

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070518\
 Data File : VN049709.D
 Acq On : 5 Jul 2018 13:19
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 7/6/2018 4:25:45 PM

Quant Time: Jul 05 16:22:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1250359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1794433	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1647151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	949192	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	759707	46.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.02%	
35) Dibromofluoromethane	7.59	113	635398	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
50) Toluene-d8	10.09	98	2487506	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
62) 4-Bromofluorobenzene	12.40	95	885853	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	650692	46.178	ug/l	96
3) Chloromethane	2.05	50	815322	46.327	ug/l	100
4) Vinyl Chloride	2.18	62	915531	48.435	ug/l	100
5) Bromomethane	2.55	94	376180	37.887	ug/l	100
6) Chloroethane	2.70	64	575449	48.099	ug/l	100
7) Trichlorofluoromethane	3.01	101	1162698	53.850	ug/l	97
8) Diethyl Ether	3.41	74	430896	49.236	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	758570	48.832	ug/l	100
10) Methyl Iodide	3.94	142	805147	41.415	ug/l	98
11) Tert butyl alcohol	4.80	59	263359	277.943	ug/l	99
12) 1,1-Dichloroethene	3.73	96	695141	47.334	ug/l	98
13) Acrolein	3.60	56	130769	147.750	ug/l	100
14) Allyl chloride	4.32	41	1021459	50.636	ug/l	99
15) Acrylonitrile	4.99	53	1319806	269.688	ug/l	98
16) Acetone	3.82	43	966593	292.857	ug/l	100
17) Carbon Disulfide	4.05	76	1980497	48.990	ug/l	99
18) Methyl Acetate	4.33	43	716079	48.815	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1980962	52.325	ug/l	100
20) Methylene Chloride	4.55	84	811319	47.716	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	756083	50.025	ug/l	100
22) Diisopropyl ether	5.95	45	2382604	52.204	ug/l	98
23) Vinyl Acetate	5.90	43	7652401	258.558	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1411141	49.079	ug/l	99
25) 2-Butanone	6.84	43	1511784	275.789	ug/l	99
26) 2,2-Dichloropropane	6.82	77	1023522	42.861	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	832837	49.329	ug/l	99
28) Bromochloromethane	7.19	49	614531	50.359	ug/l	99
29) Tetrahydrofuran	7.21	42	1018871	291.620	ug/l	100
30) Chloroform	7.37	83	1454060	49.611	ug/l	100
31) Cyclohexane	7.65	56	1220067	49.495	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1232486	49.668	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1087279	53.857	ug/l	99
37) Ethyl Acetate	6.93	43	703759	59.766	ug/l	99
38) Carbon Tetrachloride	7.77	117	1056876	53.817	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1179828	53.302	ug/l	99
40) Benzene	8.04	78	3248187	52.692	ug/l	100
41) Methacrylonitrile	7.17	41	350791	52.849	ug/l	93
42) 1,2-Dichloroethane	8.13	62	1034426	52.580	ug/l	99
43) Isopropyl Acetate	8.17	43	1287956	55.147	ug/l	99
44) Trichloroethene	8.83	130	924272	49.717	ug/l	98
45) 1,2-Dichloropropane	9.12	63	853672	53.600	ug/l	99
46) Dibromomethane	9.21	93	526095	54.601	ug/l	98
47) Bromodichloromethane	9.40	83	1099142	53.587	ug/l	98
48) Methyl methacrylate	9.20	41	626774	59.899	ug/l	99
49) 1,4-Dioxane	9.20	88	169761	1206.758	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	3543130	306.898	ug/l	99
52) Toluene	10.16	92	2033598	54.605	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1044852	53.200	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1218090	53.066	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	744009	53.654	ug/l	99
56) Ethyl methacrylate	10.43	69	982178	60.426	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1244927	55.366	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2047407	242.043	ug/l	100
59) 2-Hexanone	10.75	43	2345948	307.296	ug/l	99
60) Dibromochloromethane	10.90	129	837904	55.908	ug/l	99
61) 1,2-Dibromoethane	11.01	107	734106	55.252	ug/l	99
64) Tetrachloroethene	10.63	164	1124027	50.398	ug/l	99
65) Chlorobenzene	11.44	112	2173969	50.594	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	811890	52.585	ug/l	99
67) Ethyl Benzene	11.51	91	3808397	53.617	ug/l	100
68) m/p-Xylenes	11.62	106	3029635	111.298	ug/l	100
69) o-Xylene	11.95	106	1444391	55.422	ug/l	97
70) Styrene	11.97	104	2378482	56.405	ug/l	100
71) Bromoform	12.13	173	579750	56.511	ug/l	99
73) Isopropylbenzene	12.25	105	3786712	50.084	ug/l	100
74) N-amyl acetate	12.07	43	1111122	53.801	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	899814	57.518	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	855918m	56.225	ug/l	
77) Bromobenzene	12.53	156	966680	47.019	ug/l	100
78) n-propylbenzene	12.59	91	4523495	52.203	ug/l	100
79) 2-Chlorotoluene	12.68	91	2666243	48.618	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3277276	52.162	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	200951	44.835	ug/l	98
82) 4-Chlorotoluene	12.78	91	2711439	49.173	ug/l	100
83) tert-Butylbenzene	12.99	119	2713652	50.279	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3376406	52.299	ug/l	100
85) sec-Butylbenzene	13.17	105	3726544	52.113	ug/l	100
86) p-Isopropyltoluene	13.29	119	3331291	53.784	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1791835	51.482	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1750771	51.206	ug/l	99
89) n-Butylbenzene	13.62	91	2723208	51.356	ug/l	100
90) Hexachloroethane	13.88	117	373997	57.485	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1751786	52.444	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	148013	56.287	ug/l	98

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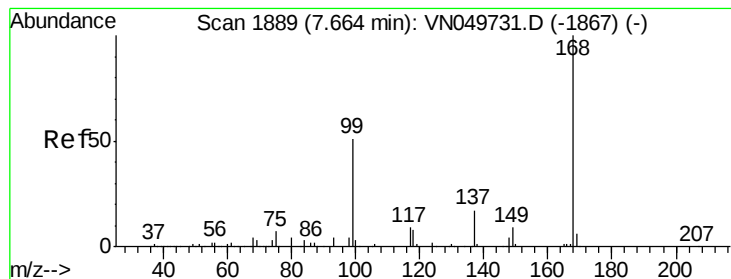
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	856989	49.048	ug/l	99
94) Hexachlorobutadiene	15.01	225	544439	54.192	ug/l	99
95) Naphthalene	15.14	128	1821978	47.486	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	842613	50.713	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 1250359

Ion Ratio Lower Upper

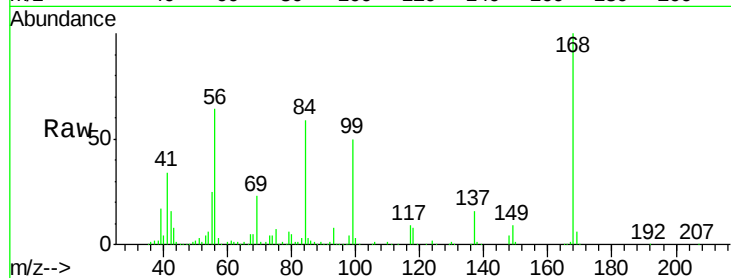
168 100

99 49.9 40.6 61.0

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

600000

500000

400000

300000

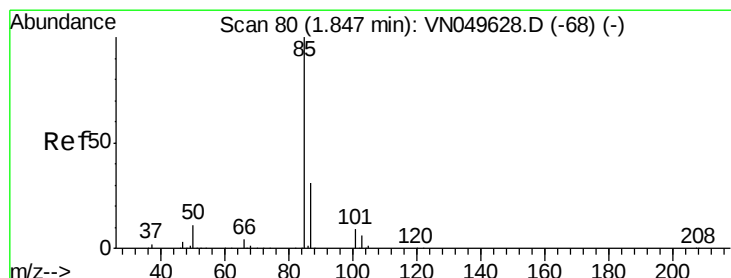
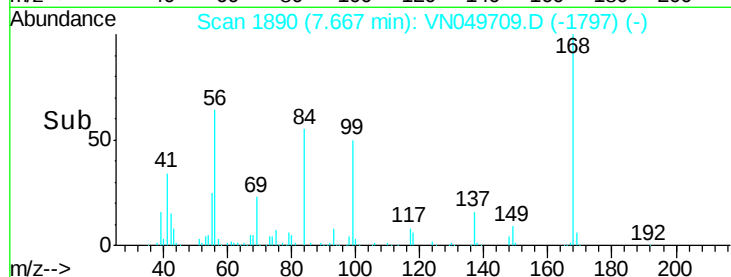
200000

100000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.178 ug/l

RT: 1.85 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN049709.D

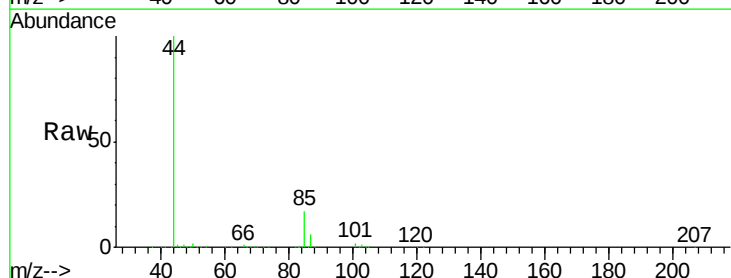
Acq: 5 Jul 2018 13:19

Tgt Ion: 85 Resp: 650692

Ion Ratio Lower Upper

85 100

87 32.6 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

500000

400000

300000

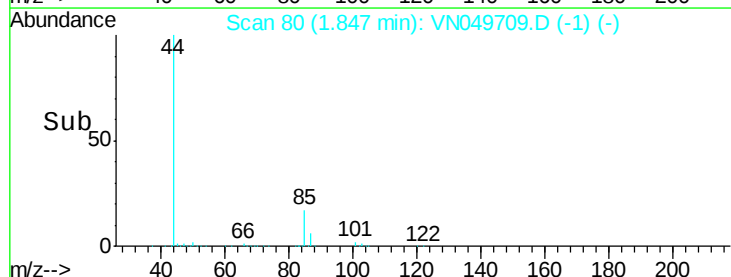
200000

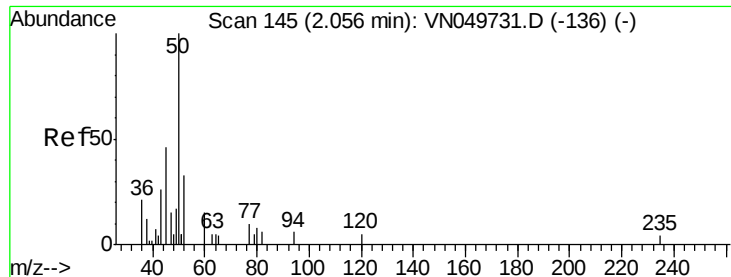
100000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 46.327 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 815322

Ion Ratio Lower Upper

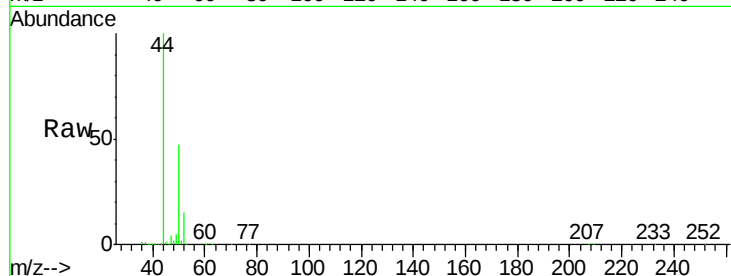
50 100

52 32.3 26.1 39.1

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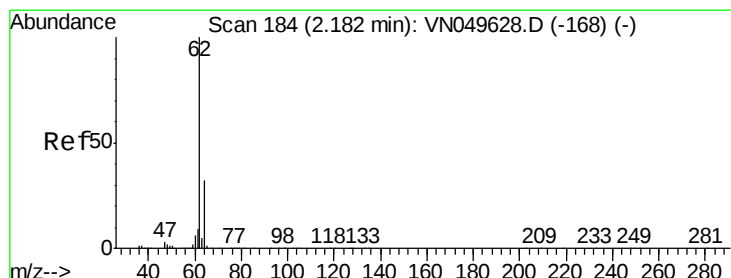
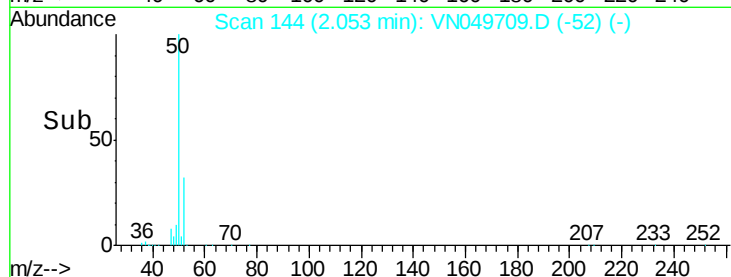
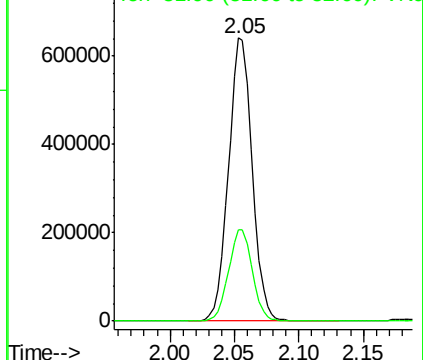
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 48.435 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN049709.D

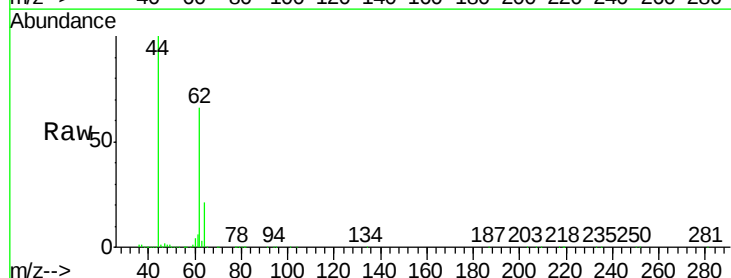
Acq: 5 Jul 2018 13:19

Tgt Ion: 62 Resp: 915531

Ion Ratio Lower Upper

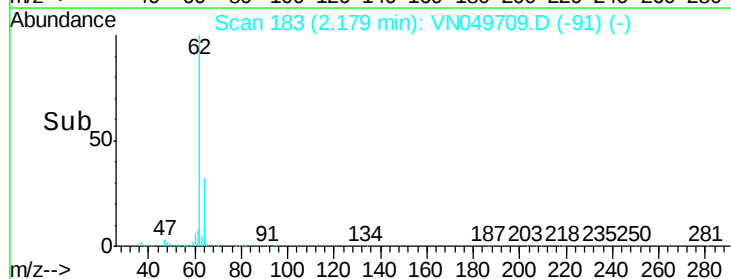
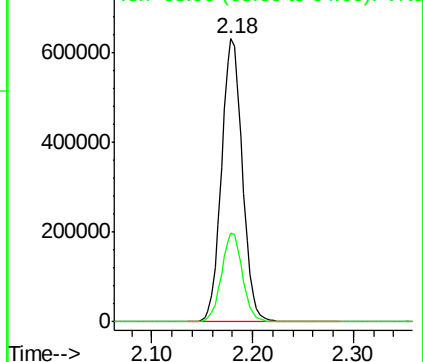
62 100

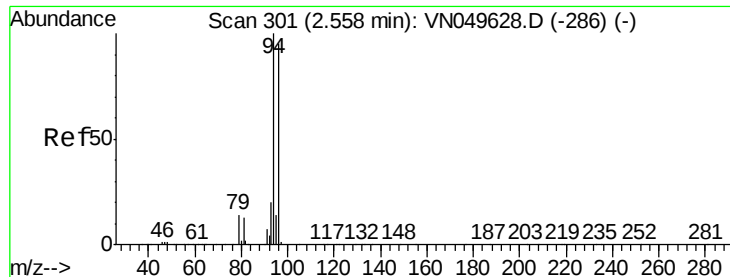
64 31.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 37.887 ug/l

RT: 2.55 min Scan# 300

Delta R.T. -0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 376180

Ion Ratio Lower Upper

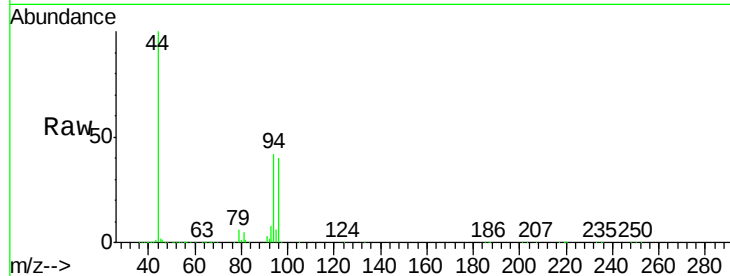
94 100

96 94.3 75.7 113.5

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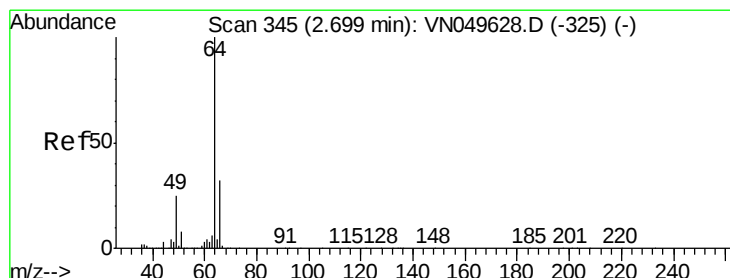
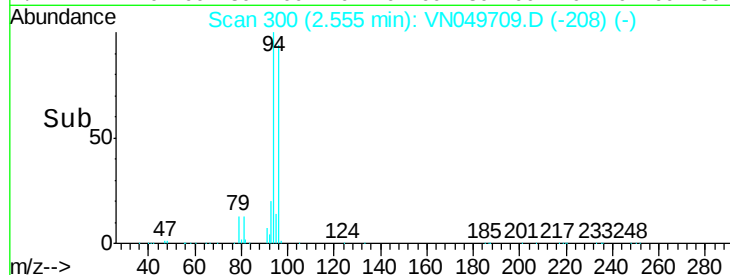
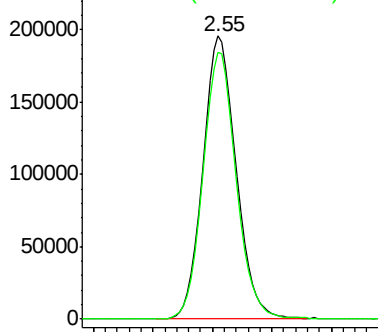
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.099 ug/l

RT: 2.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VN049709.D

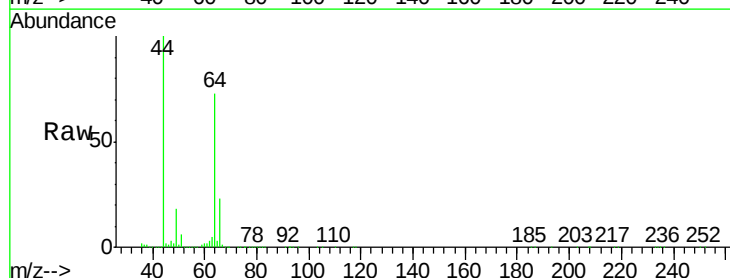
Acq: 5 Jul 2018 13:19

Tgt Ion: 64 Resp: 575449

Ion Ratio Lower Upper

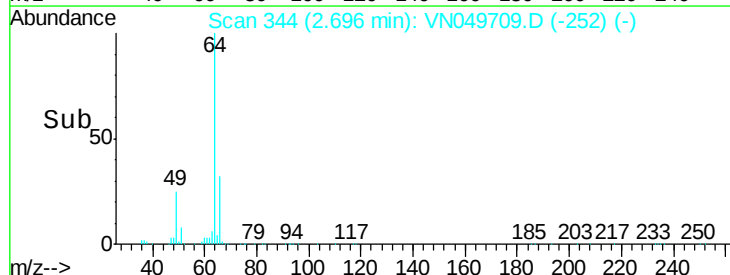
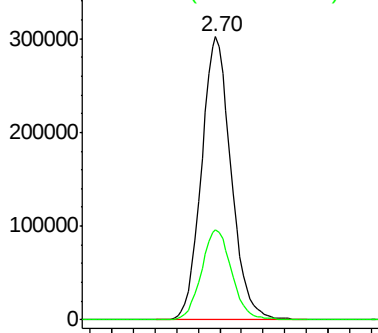
64 100

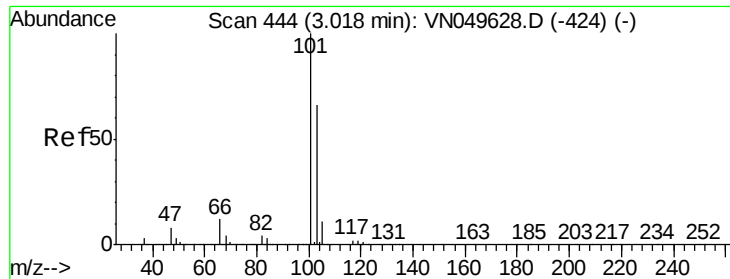
66 31.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

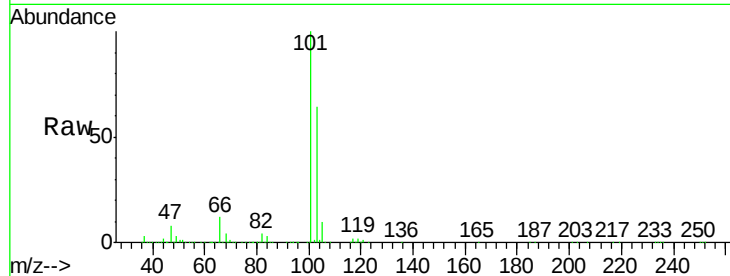
Trichlorofluoromethane
Concen: 53.850 ug/l
RT: 3.01 min Scan# 442
Delta R.T. -0.01 min
Lab File: VN049709.D
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ClientSampled :
VSTDCCC050

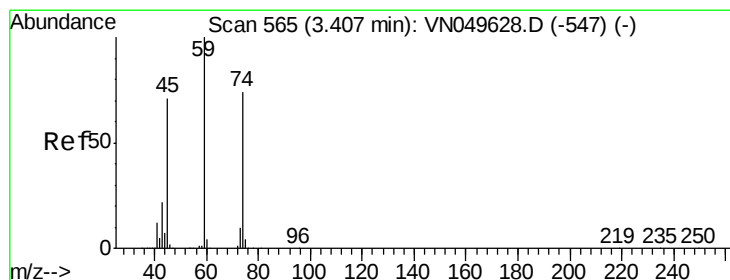
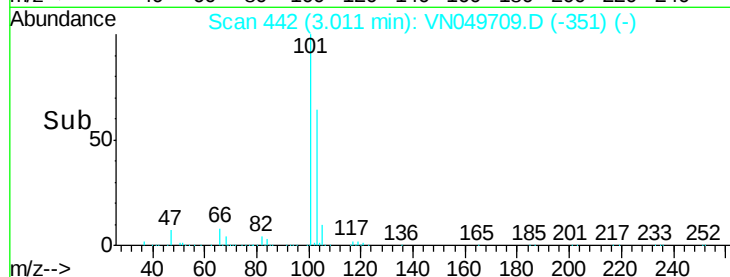
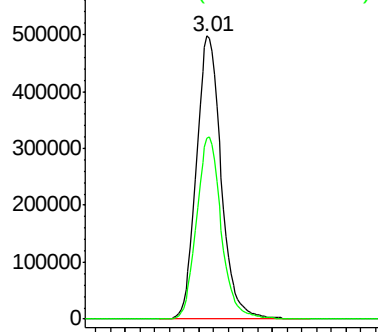
Tot Ion:101 Resp: 1162698
Ion Ratio Lower Upper
101 100
103 63.9 52.8 79.2

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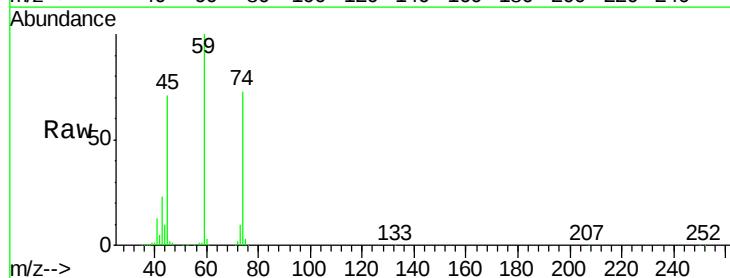
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



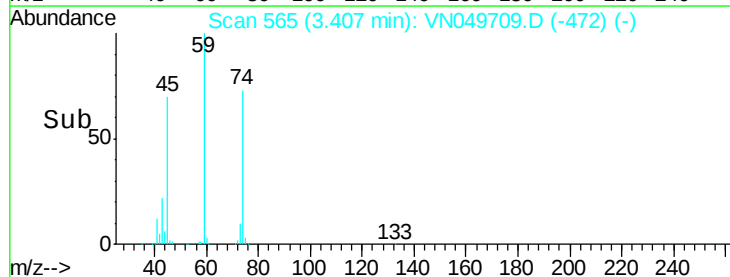
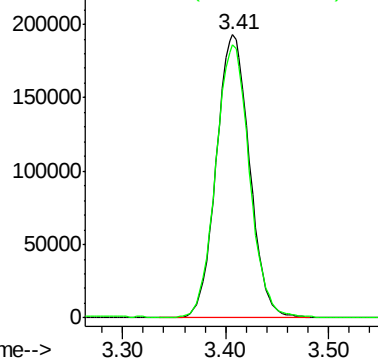
#8

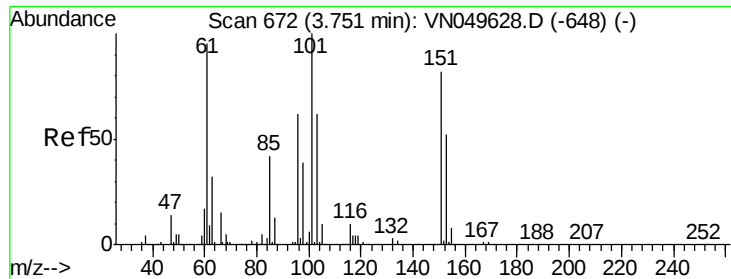
Diethyl Ether
Concen: 49.236 ug/l
RT: 3.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Tgt Ion: 74 Resp: 430896
Ion Ratio Lower Upper
74 100
45 97.3 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.832 ug/l

RT: 3.75 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN049709.D

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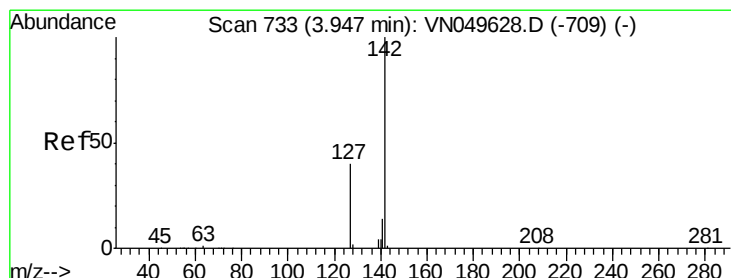
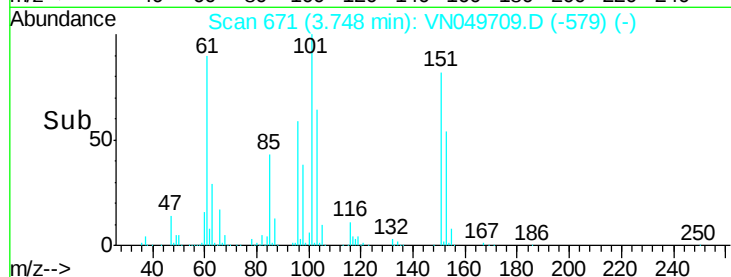
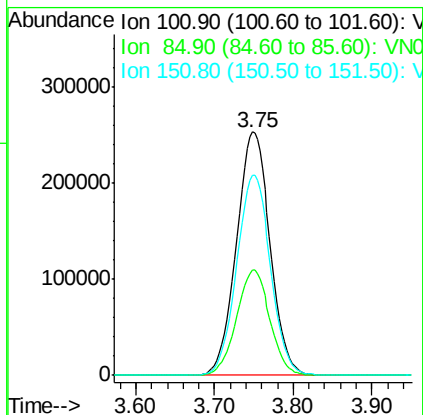
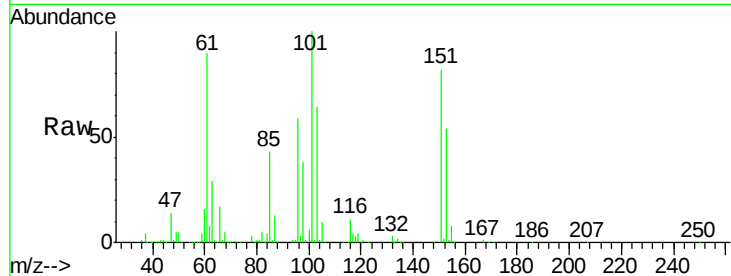
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	758570
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.4	51.6
151	82.9	66.2	99.4

Manual Integrations
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sam
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#10

Methyl Iodide

Concen: 41.415 ug/l

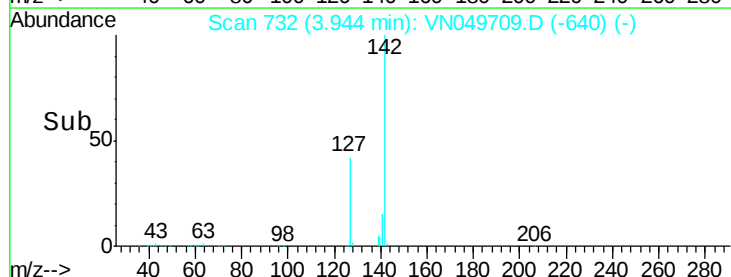
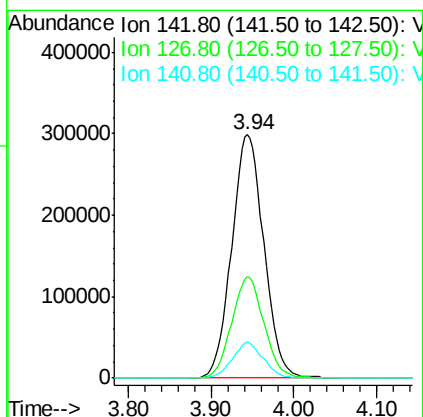
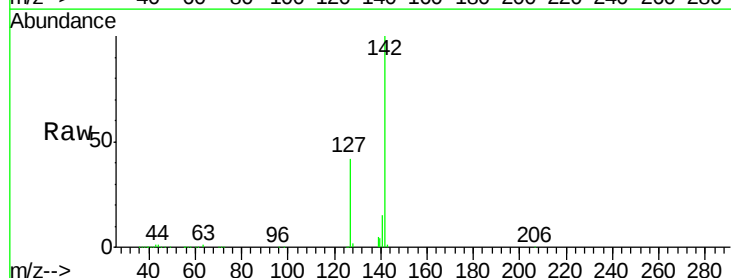
RT: 3.94 min Scan# 732

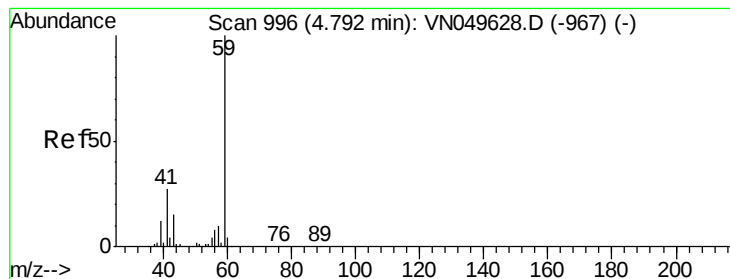
Delta R.T. -0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Tgt Ion:	142	Resp:	805147
Ion Ratio	Lower	Upper	
142	100		
127	41.7	32.5	48.7
141	14.3	11.1	16.7





#11

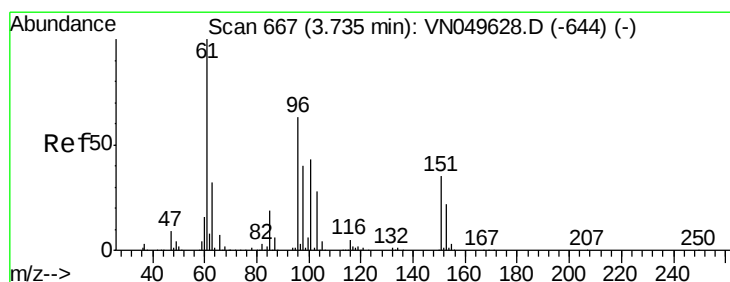
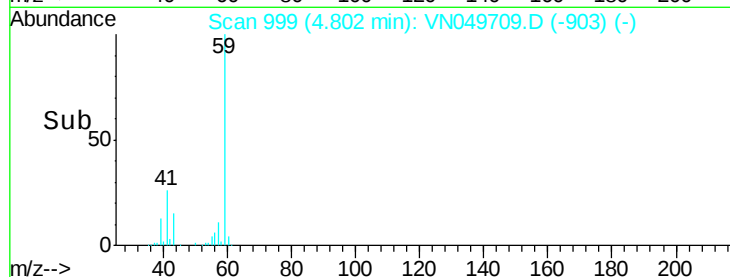
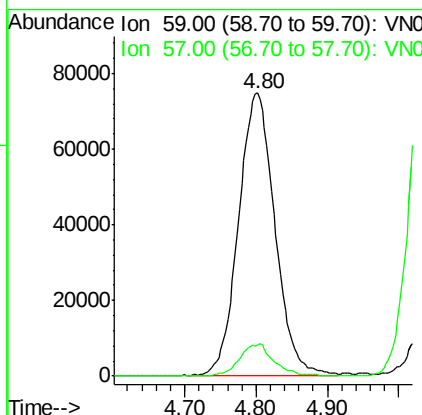
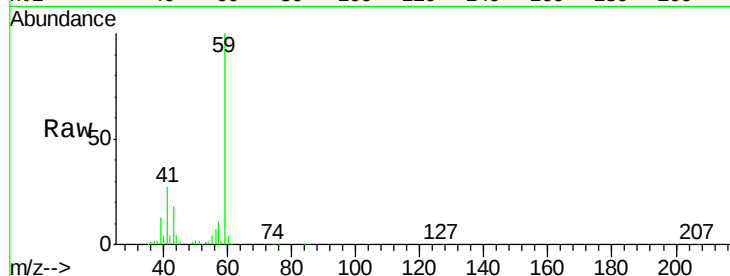
Tert butyl alcohol
Concen: 277.943 ug/l
RT: 4.80 min Scan# 999
Delta R.T. 0.01 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	263359
Ion Ratio	100	Lower	Upper
57	10.9	8.5	12.7

Manual Integrations
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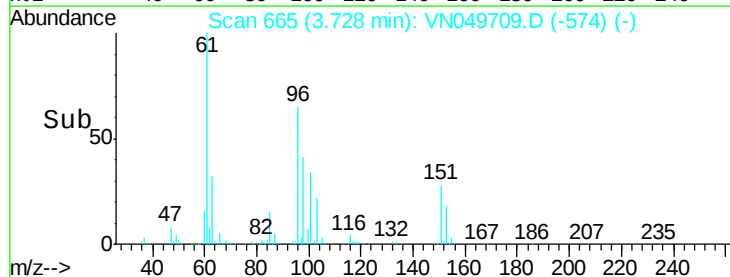
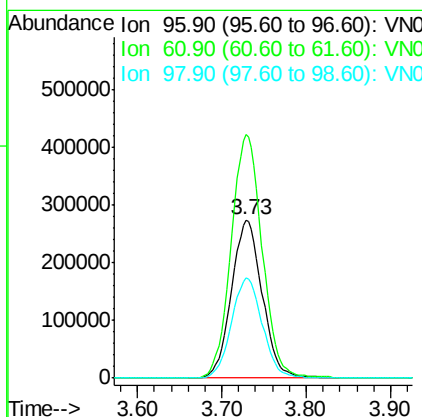
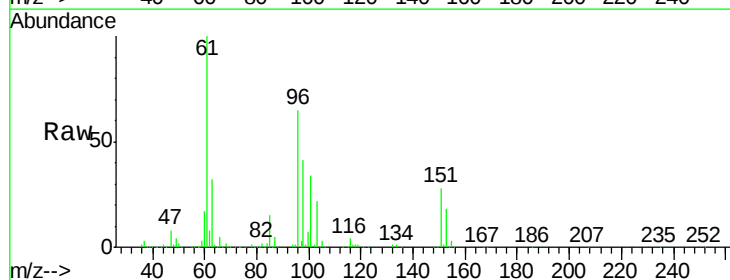
Sam
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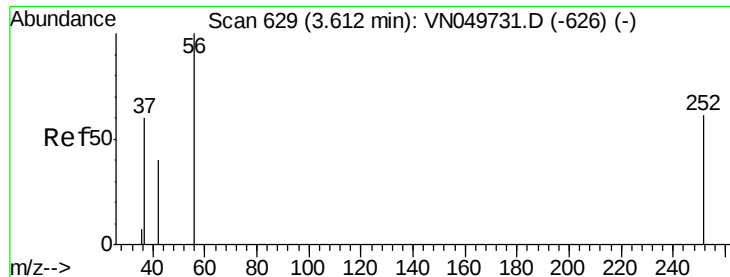


#12

1,1-Dichloroethene
Concen: 47.334 ug/l
RT: 3.73 min Scan# 665
Delta R.T. -0.01 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Tgt Ion	96	Resp	695141
Ion Ratio	100	Lower	Upper
61	154.0	126.5	189.7
98	63.5	51.0	76.6





#13

Acrolein

Concen: 147.750 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 130769

Ion Ratio Lower Upper

56 100

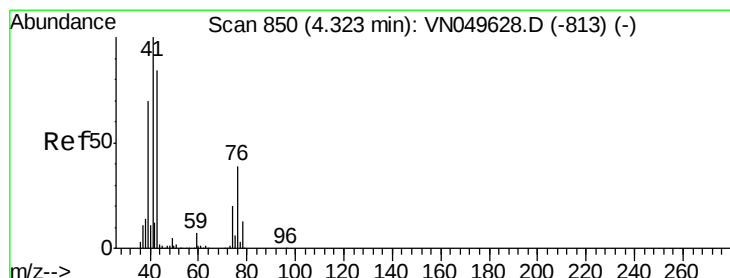
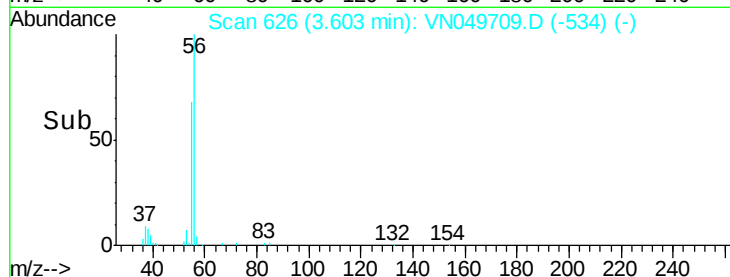
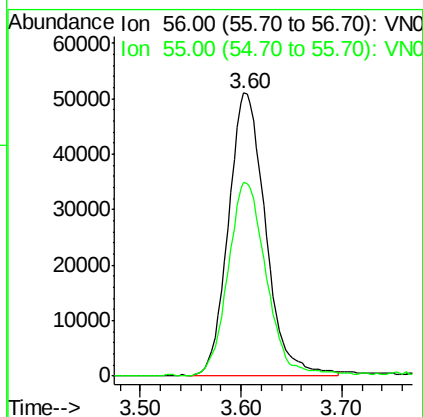
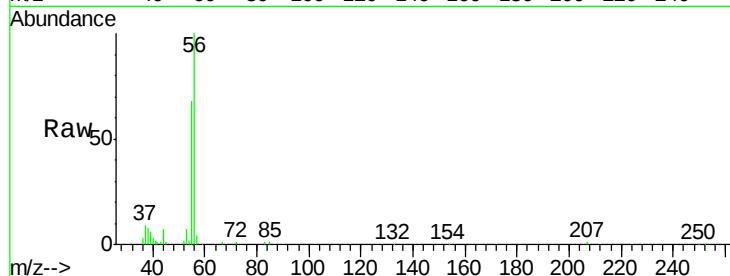
55 69.9 55.8 83.8

Manual Integrations

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sam

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#14

Allyl chloride

Concen: 50.636 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

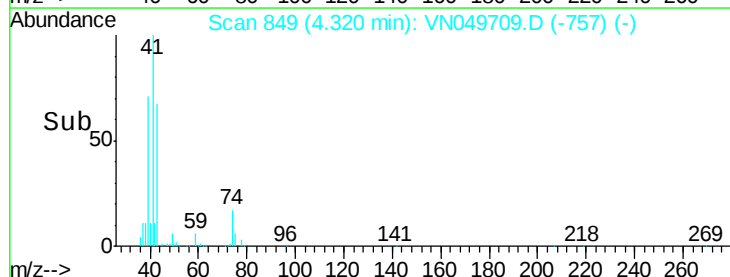
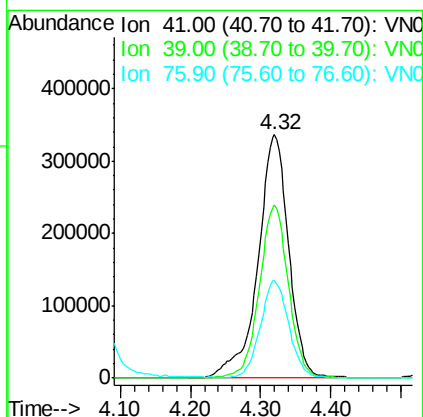
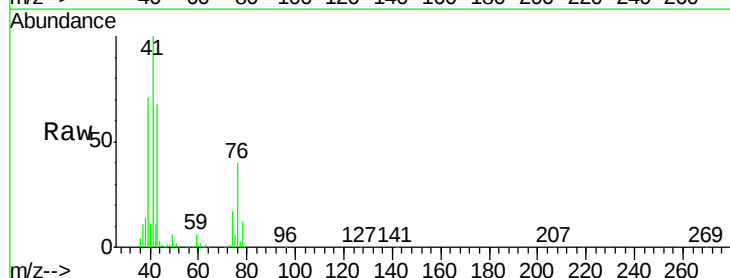
Tgt Ion: 41 Resp: 1021459

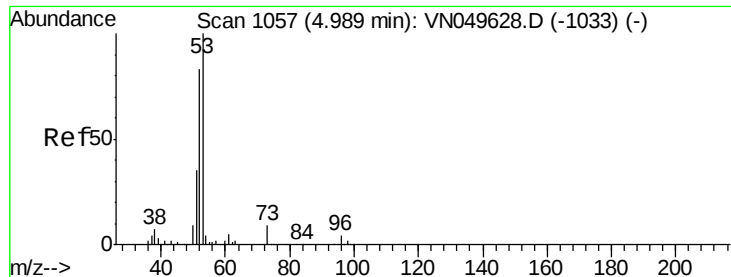
Ion Ratio Lower Upper

41 100

39 66.9 53.2 79.8

76 36.9 29.0 43.6





#15

Acrylonitrile

Concen: 269.688 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 53 Resp: 1319806

Ion Ratio Lower Upper

53 100

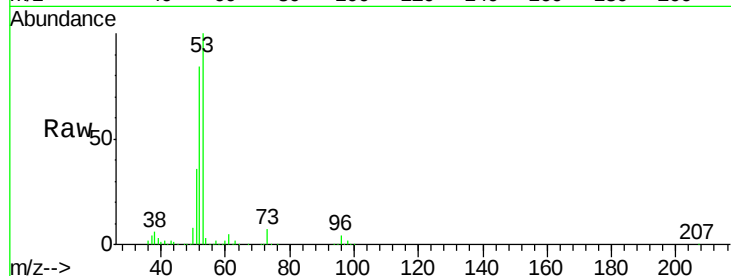
52 83.6 64.8 97.2

51 36.4 28.9 43.3

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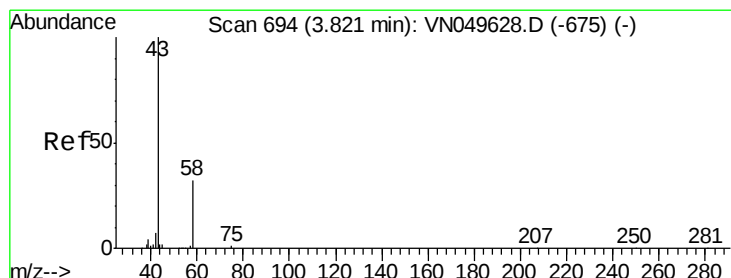
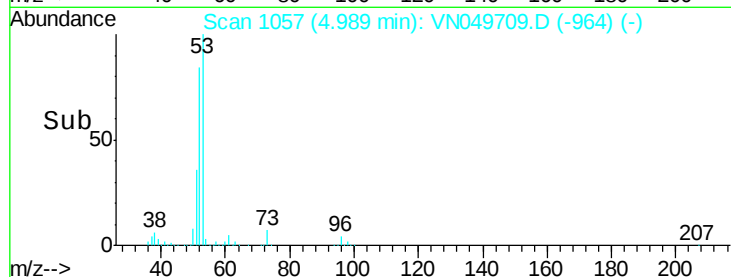
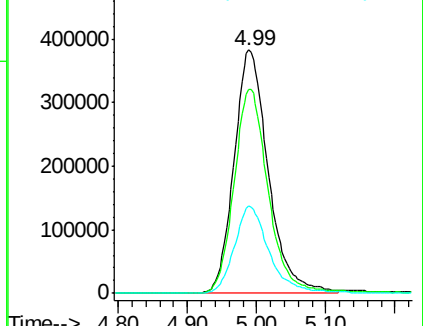
7/6/2018 4:25:45 PM



Abundance Ion 53.00 (52.70 to 53.70): VN049709.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN049709.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN049709.D (-964) (-)



#16

Acetone

Concen: 292.857 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN049709.D

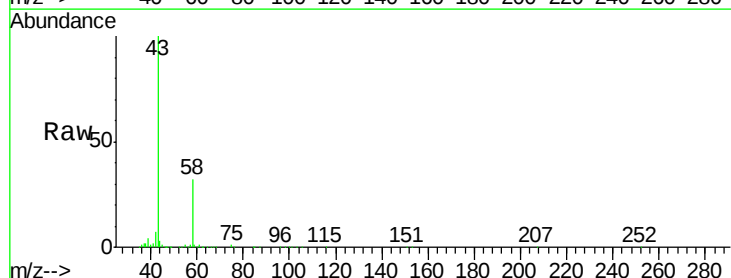
Acq: 5 Jul 2018 13:19

Tgt Ion: 43 Resp: 966593

Ion Ratio Lower Upper

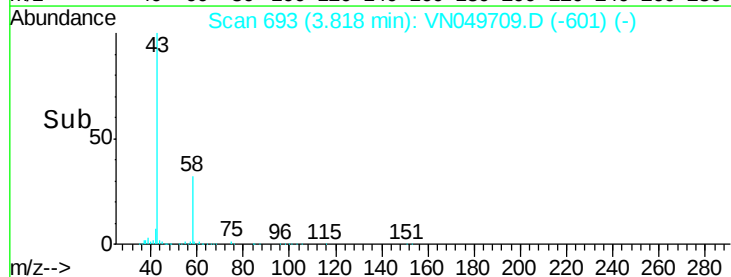
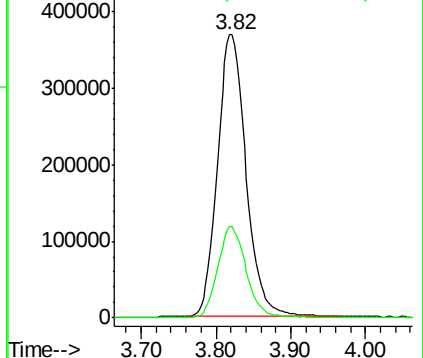
43 100

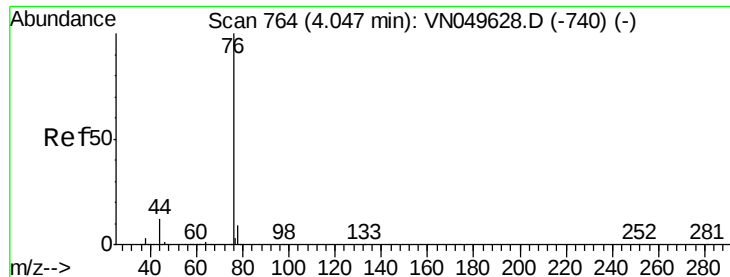
58 32.4 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049709.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN049709.D (-601) (-)





#17

Carbon Disulfide

Concen: 48.990 ug/l

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1980497

Ion Ratio Lower Upper

76 100

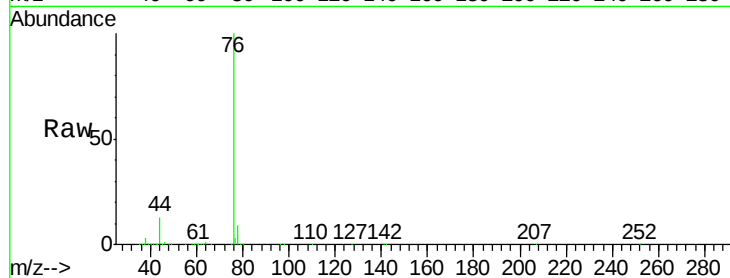
78 9.1 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

800000

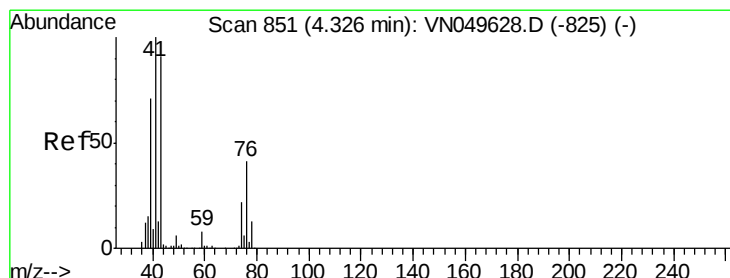
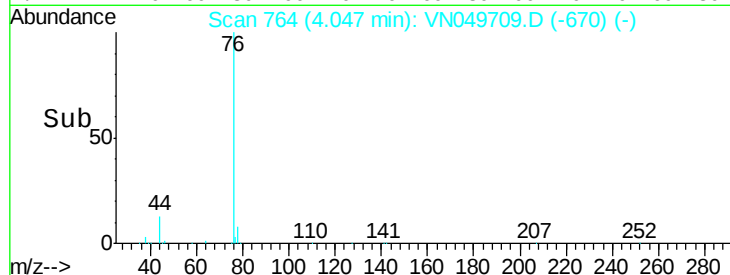
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 48.815 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049709.D

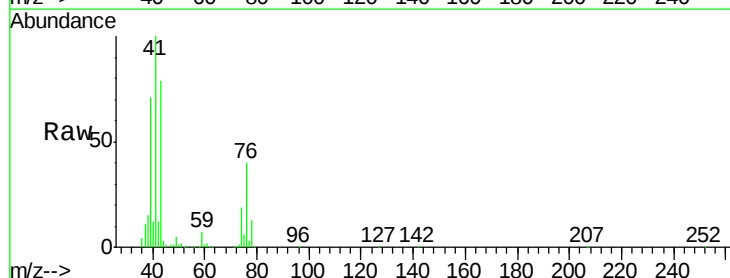
Acq: 5 Jul 2018 13:19

Tgt Ion: 43 Resp: 716079

Ion Ratio Lower Upper

43 100

74 24.2 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

250000

200000

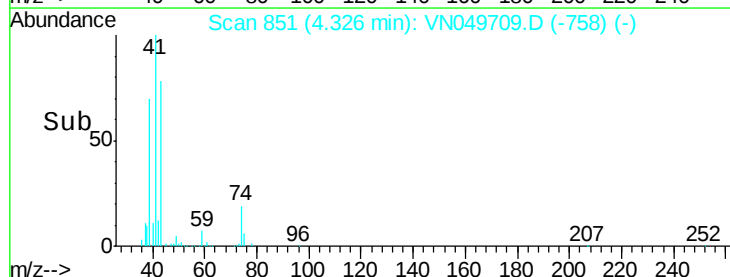
150000

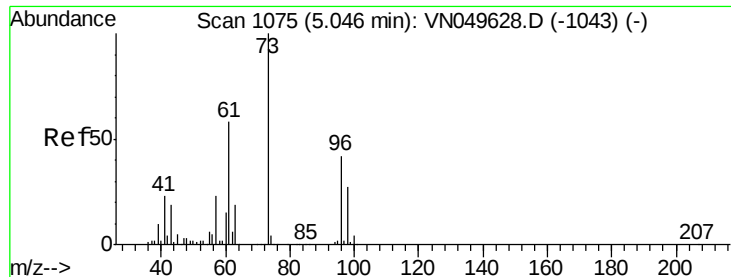
100000

50000

0

Time-->





#19

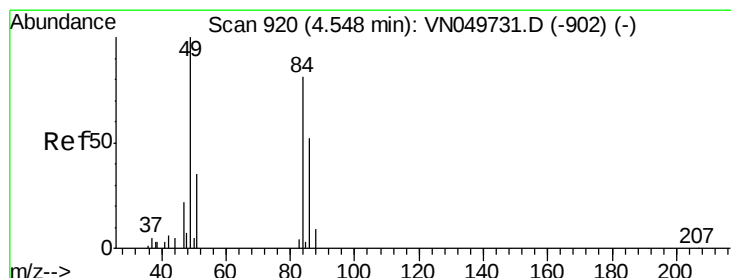
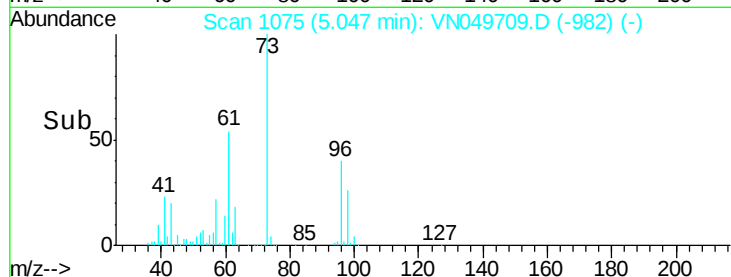
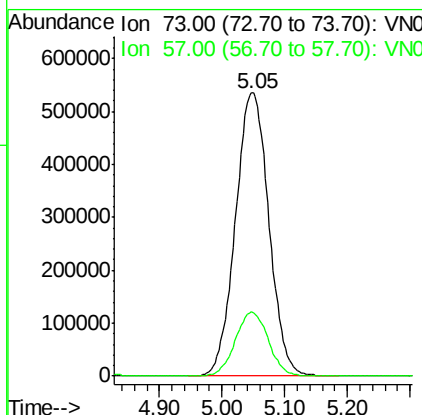
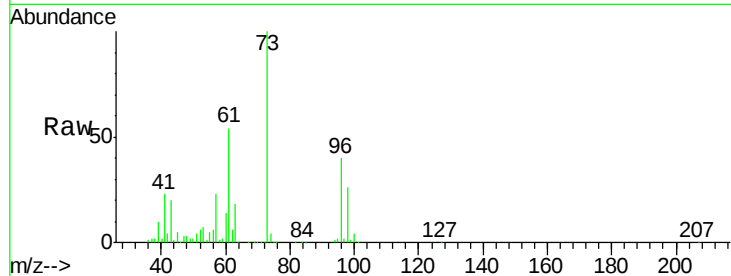
Methyl tert-butyl Ether
 Concen: 52.325 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VN049709.D
 Acq: 5 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 1980962
 Ion Ratio Lower Upper
 73 100
 57 22.6 18.1 27.1

Manual Integrations
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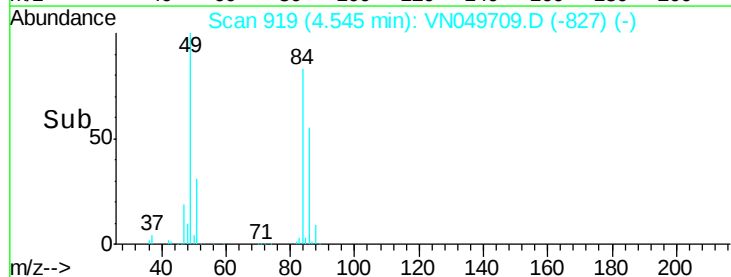
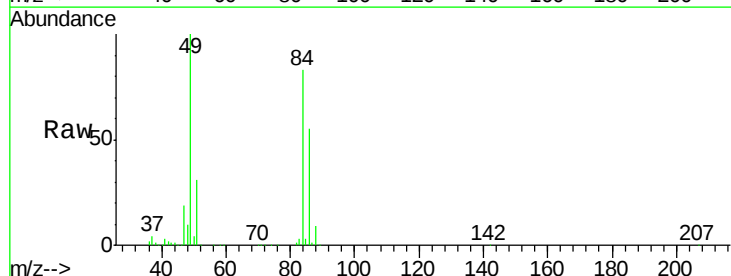
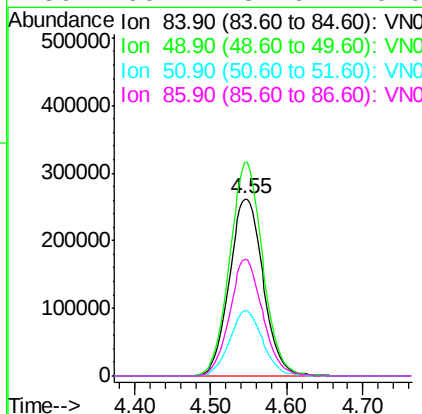
sam
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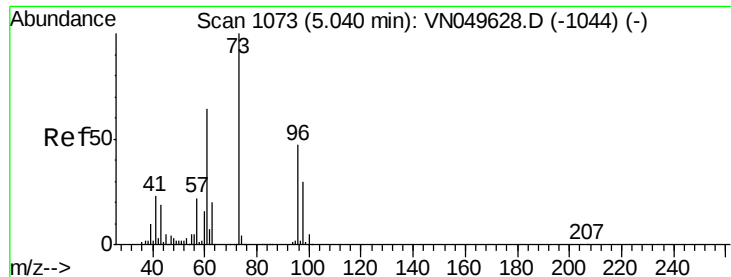


#20

Methylene Chloride
 Concen: 47.716 ug/l
 RT: 4.55 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN049709.D
 Acq: 5 Jul 2018 13:19

Tgt Ion: 84 Resp: 811319
 Ion Ratio Lower Upper
 84 100
 49 120.5 95.4 143.2
 51 36.8 28.4 42.6
 86 66.1 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 50.025 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 756083

Ion Ratio Lower Upper

96 100

61 137.0 109.0 163.6

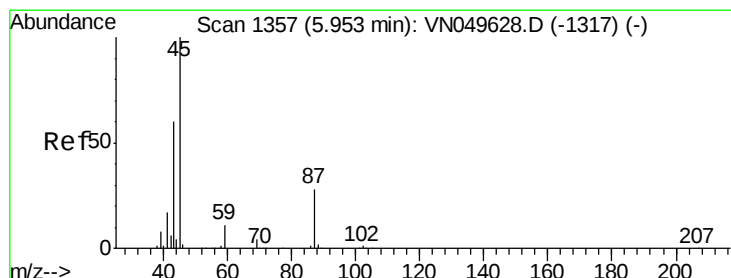
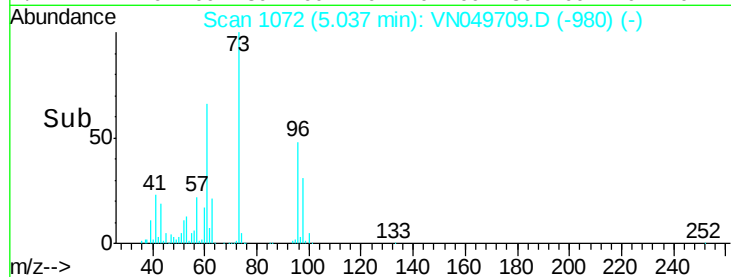
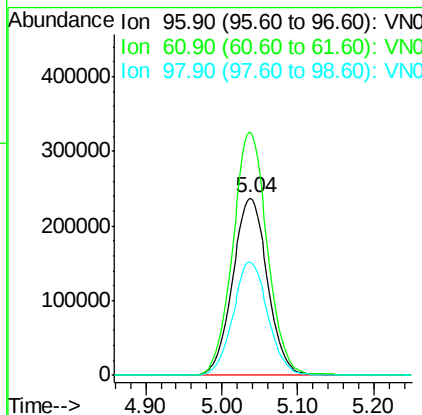
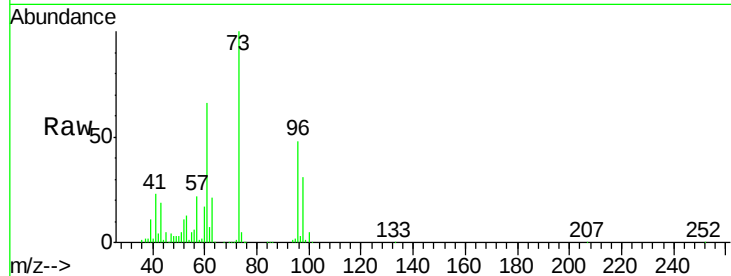
98 63.9 51.1 76.7

Manual Integrations

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sam

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#22

Diisopropyl ether

Concen: 52.204 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Tgt Ion: 45 Resp: 2382604

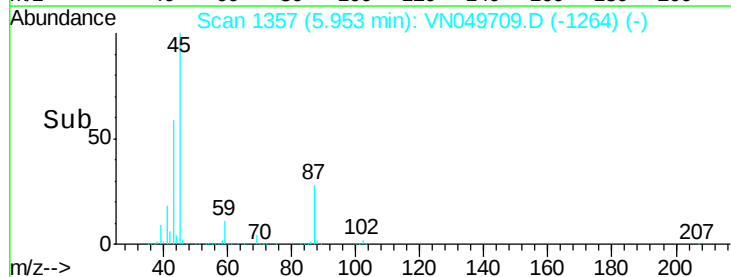
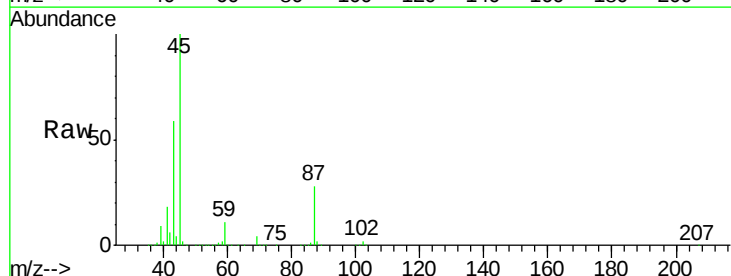
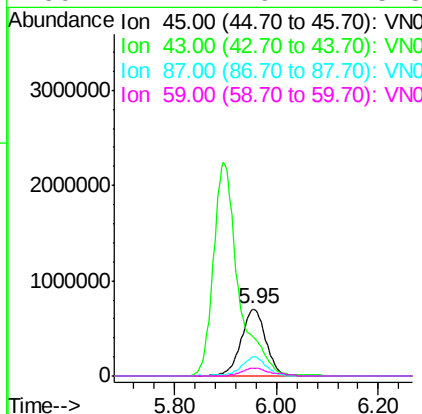
Ion Ratio Lower Upper

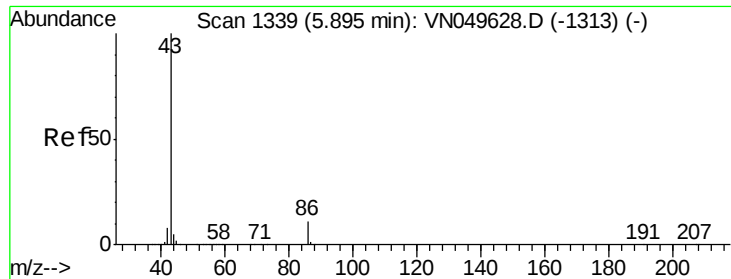
45 100

43 58.5 48.1 72.1

87 28.0 22.6 34.0

59 11.2 9.2 13.8





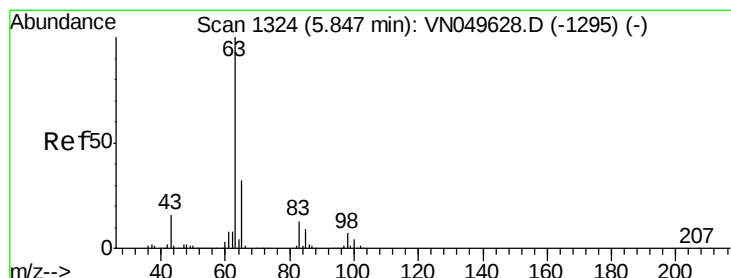
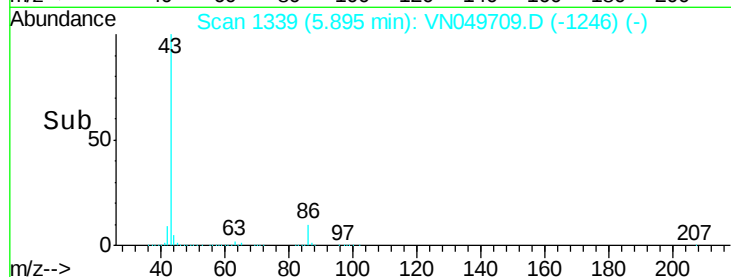
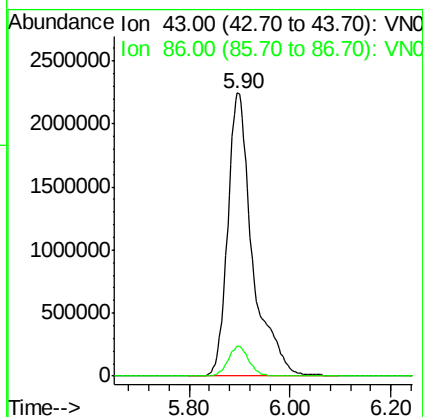
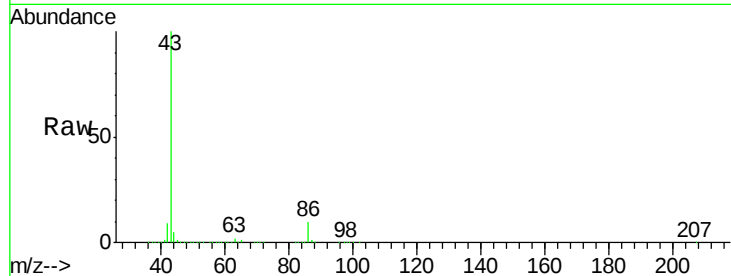
#23
 Vinyl Acetate
 Concen: 258.558 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: VN049709.D
 Acq: 5 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 7652401
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.4 12.6

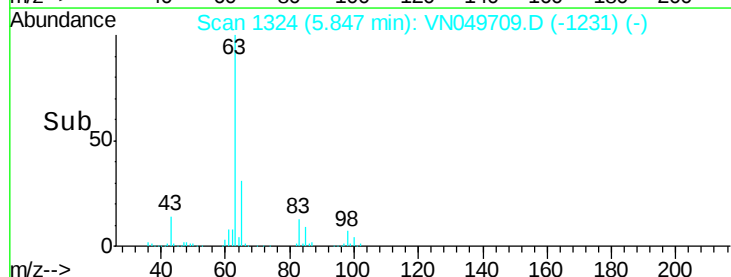
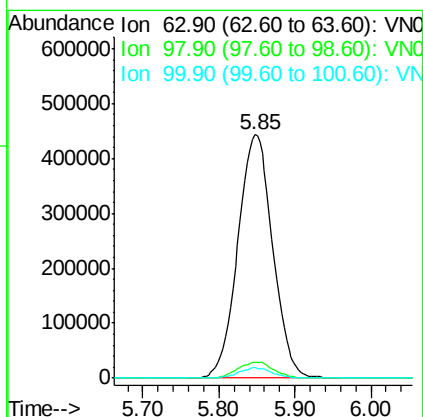
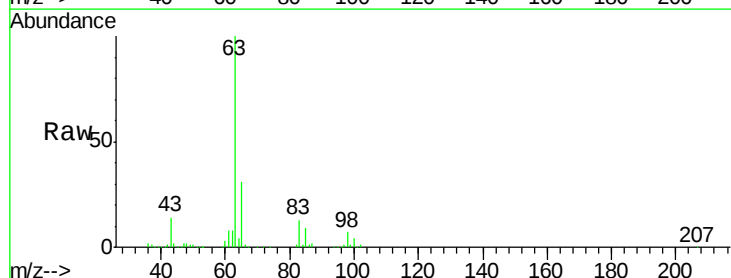
Manual Integrations
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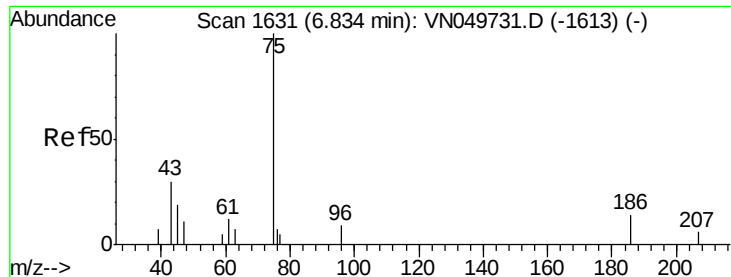
sam
 7/6/2018 4:25:45 PM



#24
 1,1-Dichloroethane
 Concen: 49.079 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VN049709.D
 Acq: 5 Jul 2018 13:19

Tgt Ion: 63 Resp: 1411141
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.2
 100 4.2 2.2 6.6





#25

2-Butanone

Concen: 275.789 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1511784

Ion Ratio Lower Upper

43 100

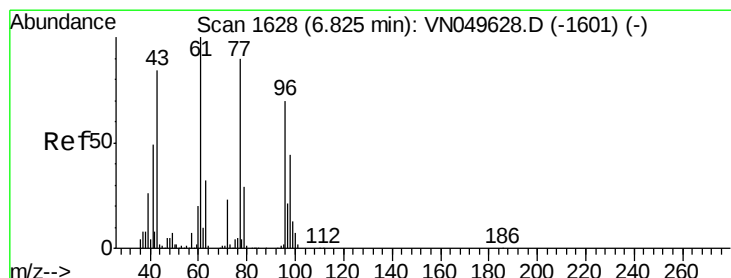
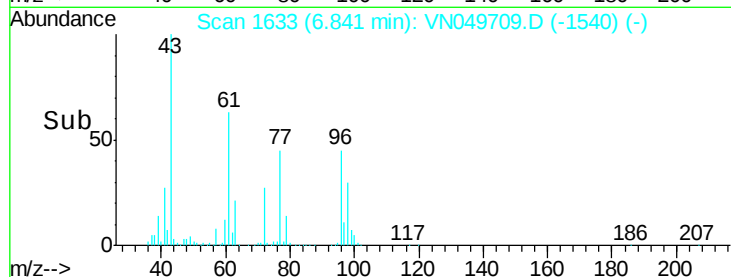
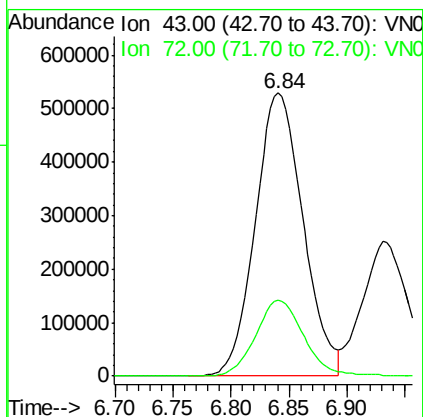
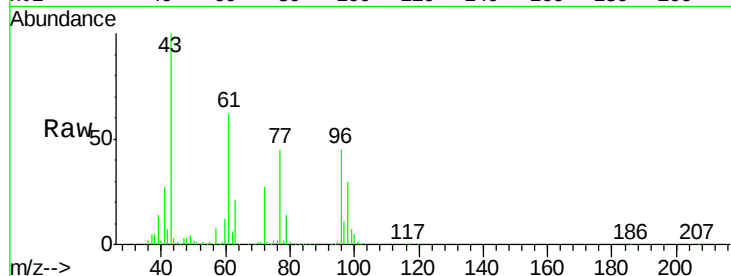
72 26.9 22.1 33.1

Manual Integrations

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sam

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#26

2,2-Dichloropropane

Concen: 42.861 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049709.D

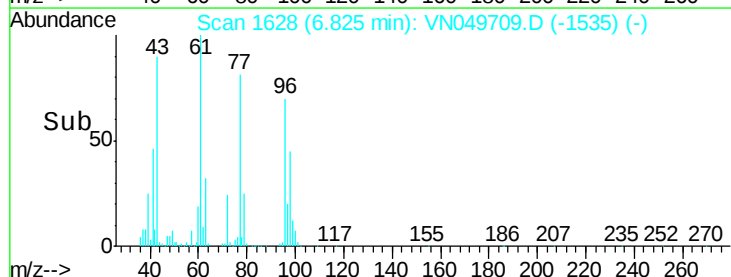
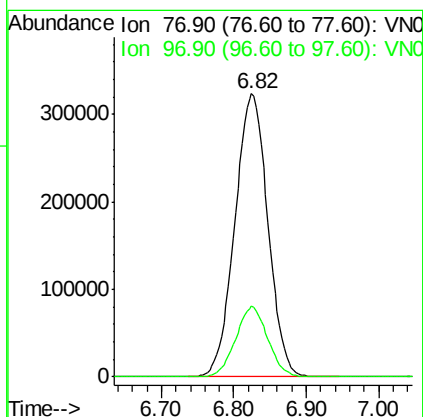
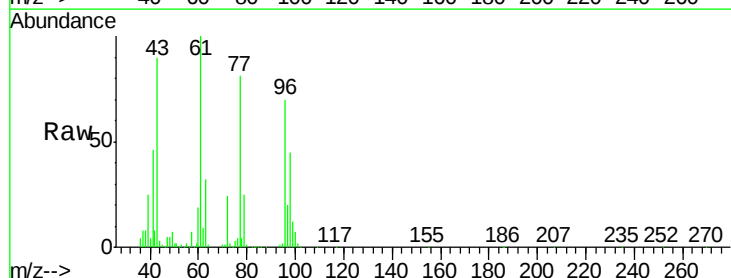
Acq: 5 Jul 2018 13:19

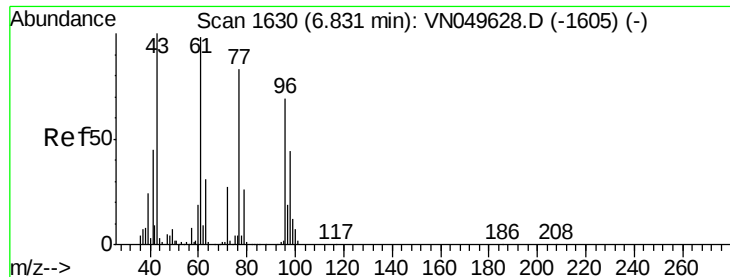
Tgt Ion: 77 Resp: 1023522

Ion Ratio Lower Upper

77 100

97 24.1 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 49.329 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Instrument :

MSVOA_N

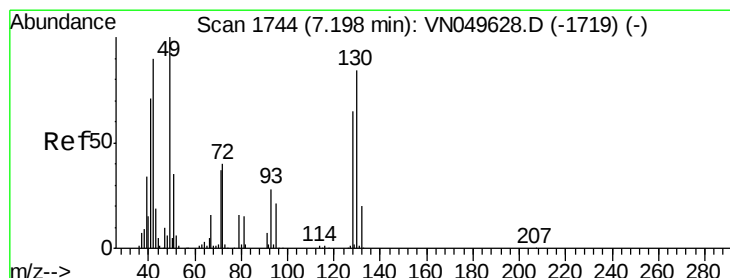
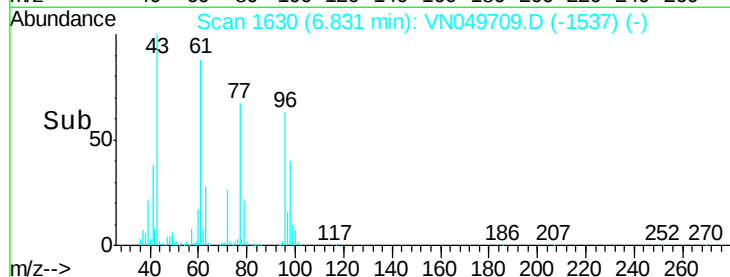
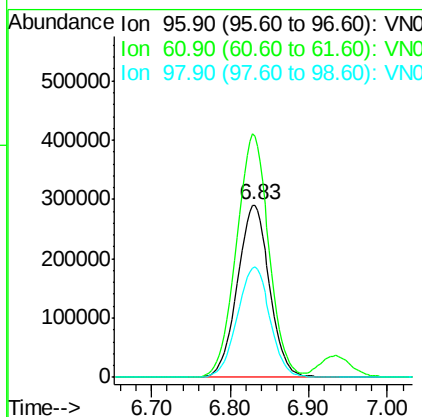
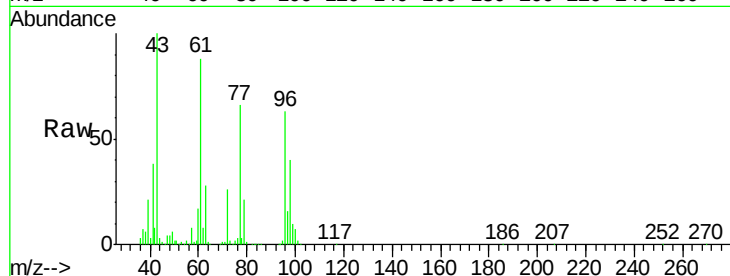
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	832837
Ion	Ratio	Lower	Upper
96	100		
61	142.6	0.0	289.0
98	65.2	0.0	130.2

Manual Integrations
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#28

Bromochloromethane

Concen: 50.359 ug/l

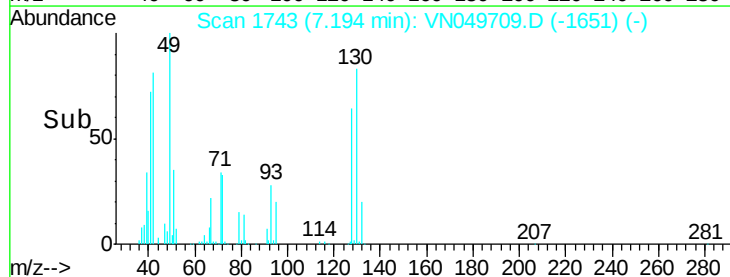
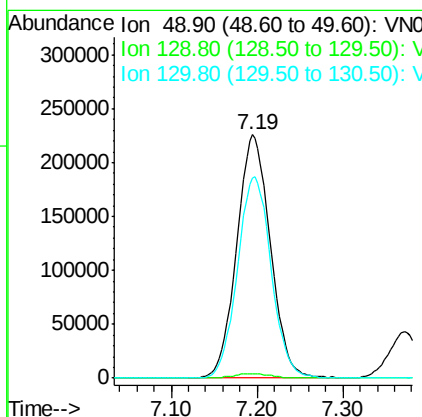
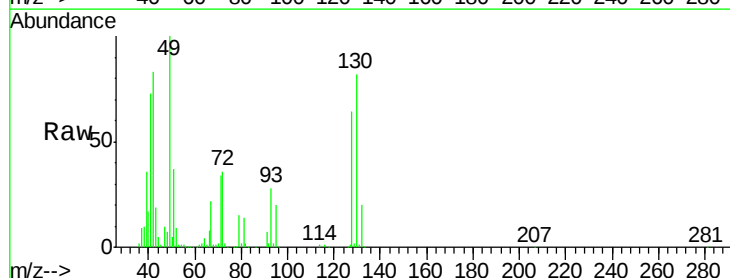
RT: 7.19 min Scan# 1743

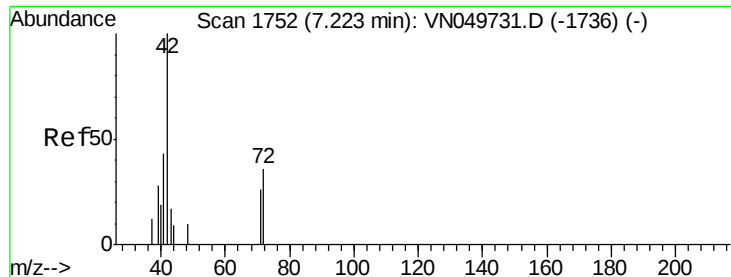
Delta R.T. -0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Tgt Ion:	49	Resp:	614531
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	82.9	65.5	98.3





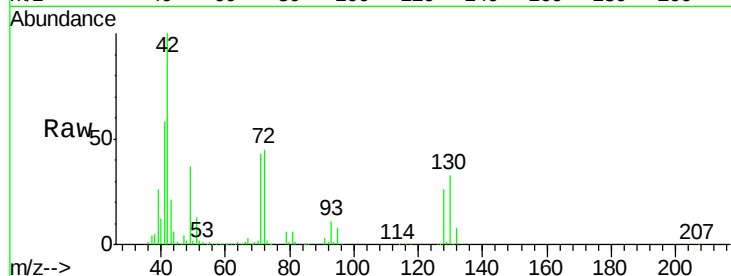
#29
Tetrahydrofuran
Concen: 291.620 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

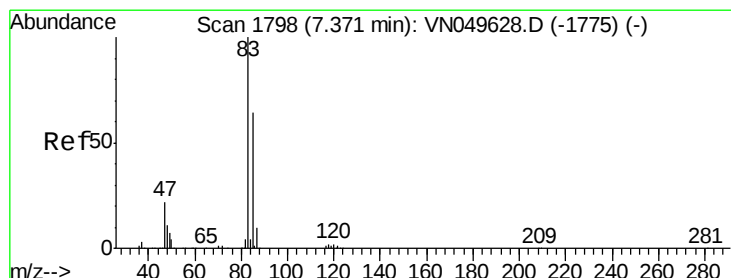
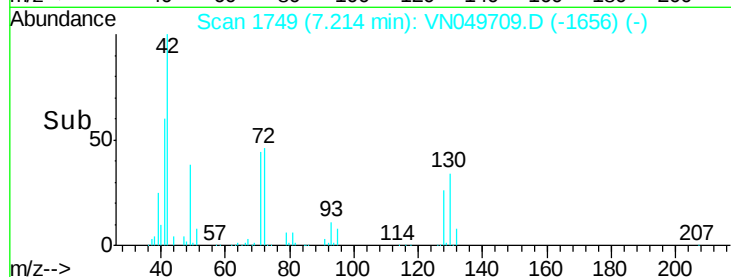
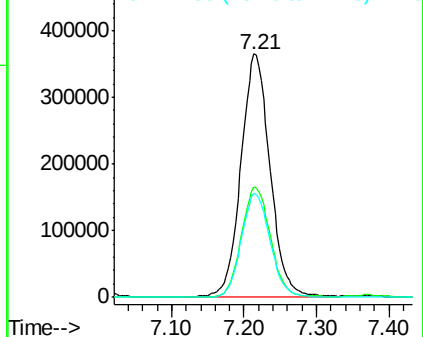
Tot Ion: 42 Resp: 1018871
Ion Ratio Lower Upper
42 100
72 44.9 35.6 53.4
71 42.5 34.0 51.0

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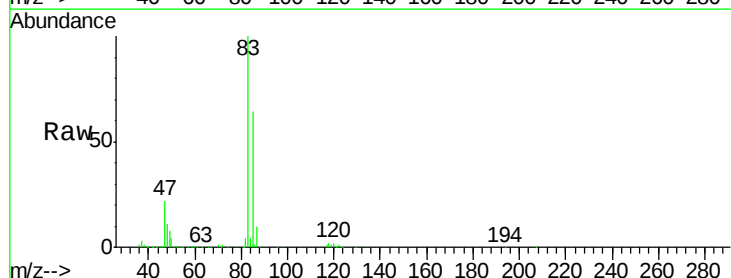


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

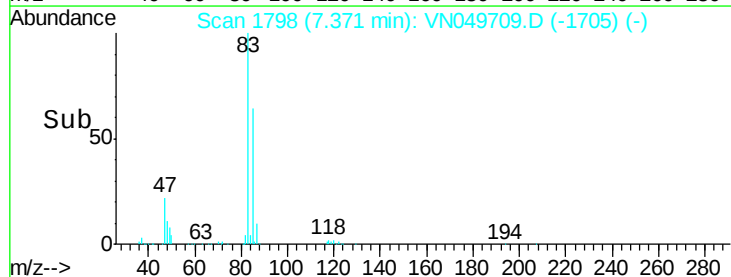
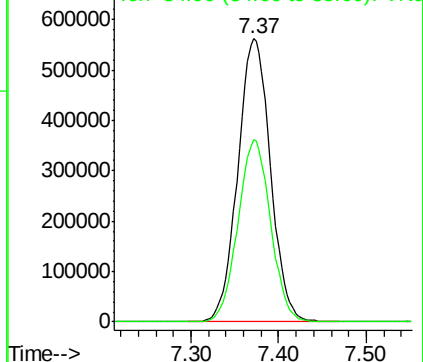


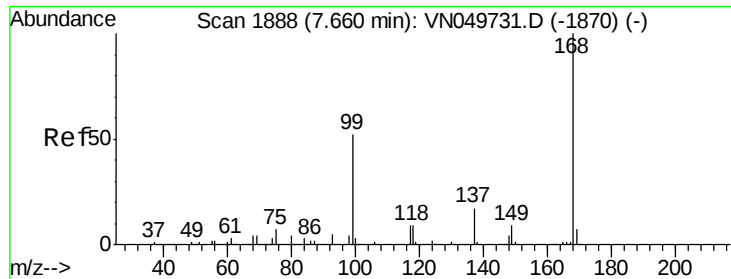
#30
Chloroform
Concen: 49.611 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Tgt Ion: 83 Resp: 1454060
Ion Ratio Lower Upper
83 100
85 64.3 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





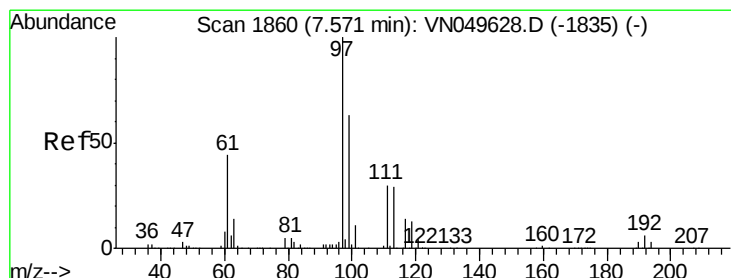
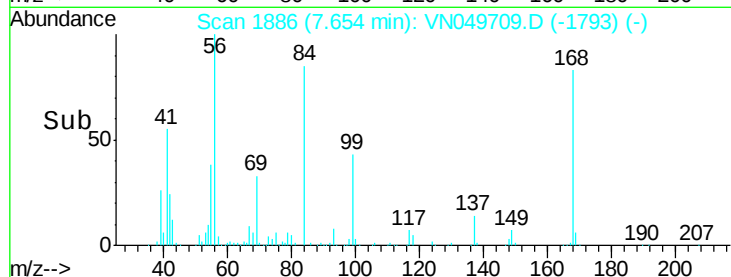
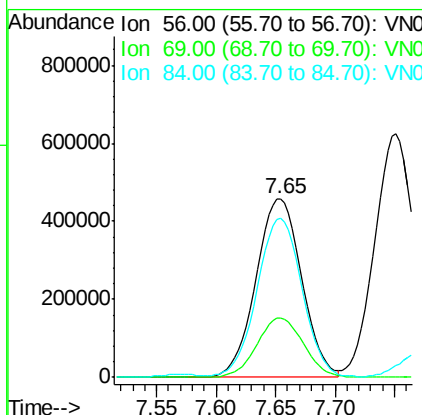
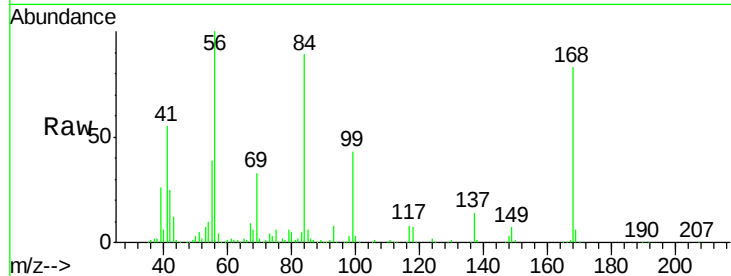
#31
Cyclohexane
Concen: 49.495 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 56 Resp: 1220067
Ion Ratio Lower Upper
56 100
69 33.0 26.6 40.0
84 87.2 69.0 103.6

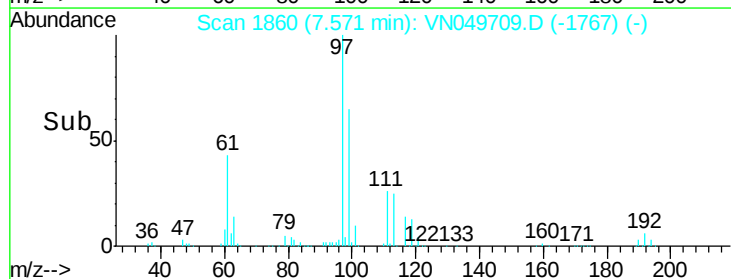
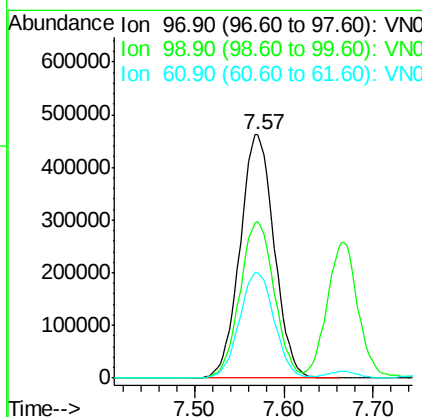
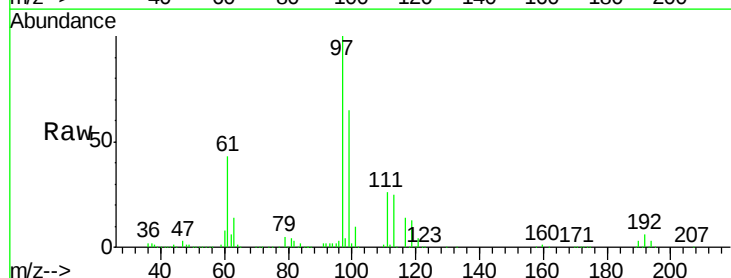
Manual Integrations
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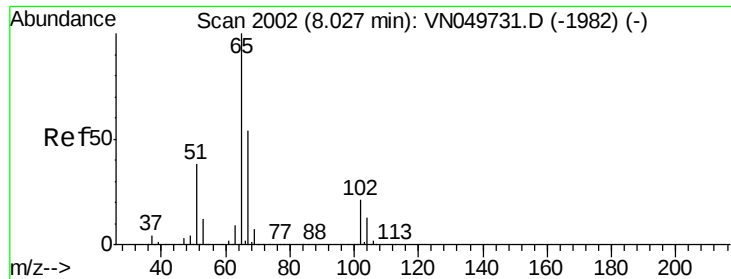
sam
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#32
1,1,1-Trichloroethane
Concen: 49.668 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Tgt Ion: 97 Resp: 1232486
Ion Ratio Lower Upper
97 100
99 64.7 51.0 76.4
61 44.1 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 46.009 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 759707

Ion Ratio Lower Upper

65 100

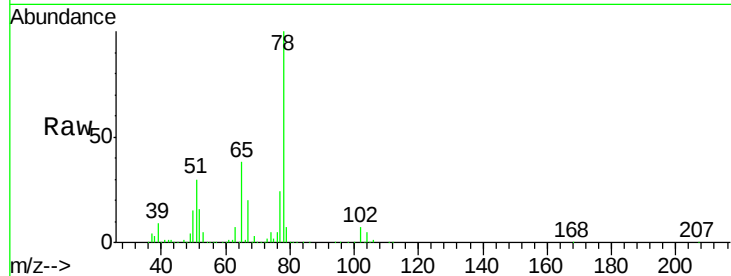
67 53.4 0.0 107.2

Manual Integrations

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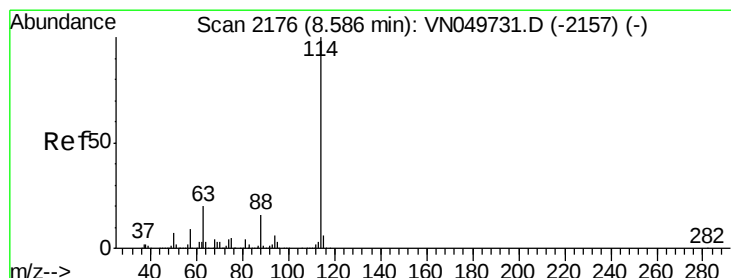
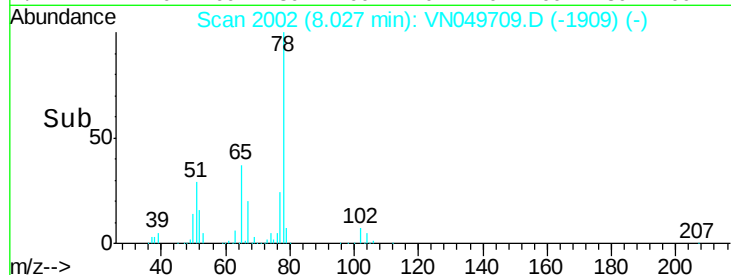
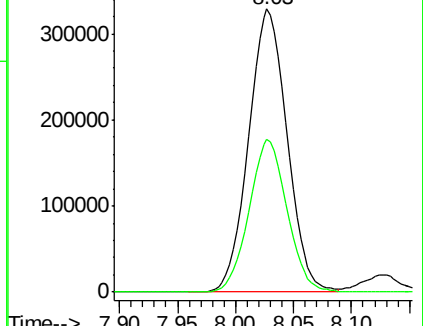
sam

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Abundance Ion 64.90 (64.60 to 65.60): VN049709.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049709.D (-1909) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

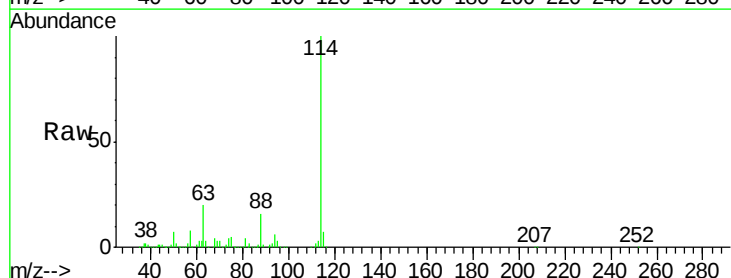
Tgt Ion: 114 Resp: 1794433

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

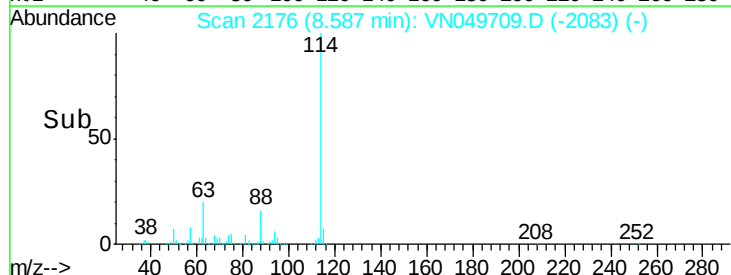
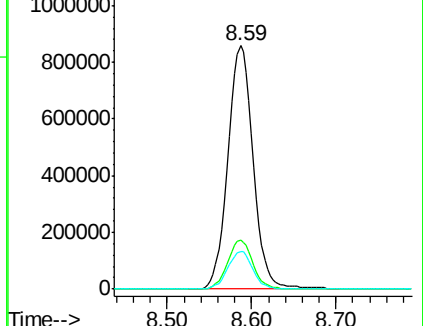
88 15.6 0.0 30.6

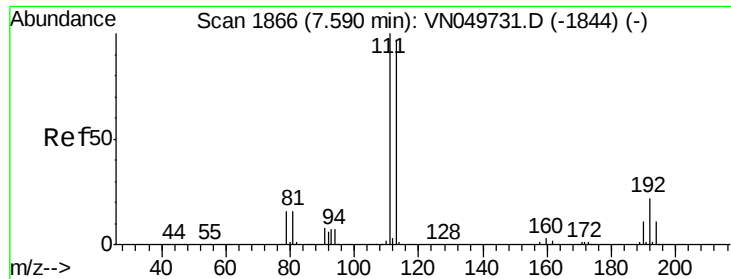


Abundance Ion 113.90 (113.60 to 114.60): VN049709.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049709.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049709.D (-2083) (-)





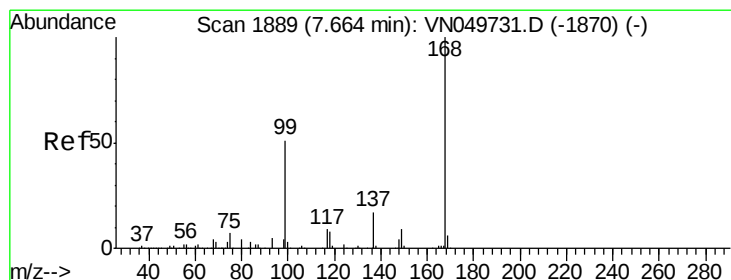
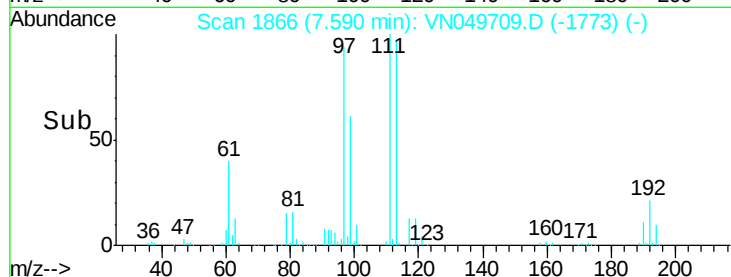
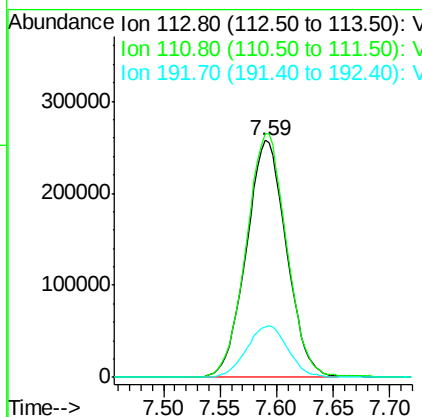
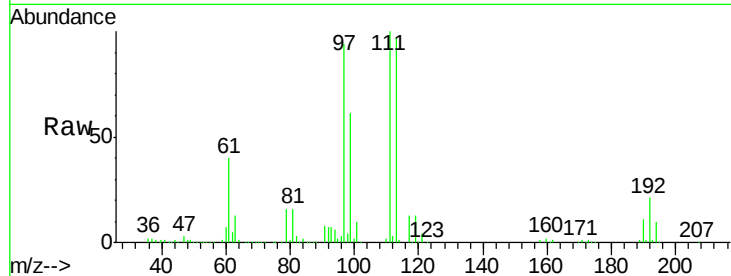
#35
 Dibromofluoromethane
 Concen: 47.364 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN049709.D
 Acq: 5 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	635398		
111	104.0	81.8	122.8	
192	22.3	17.8	26.6	

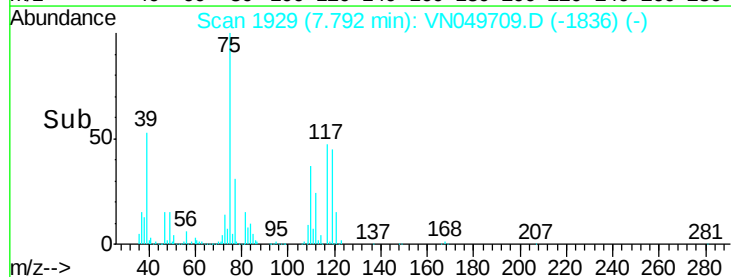
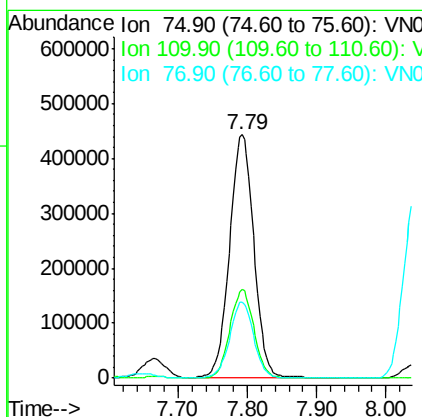
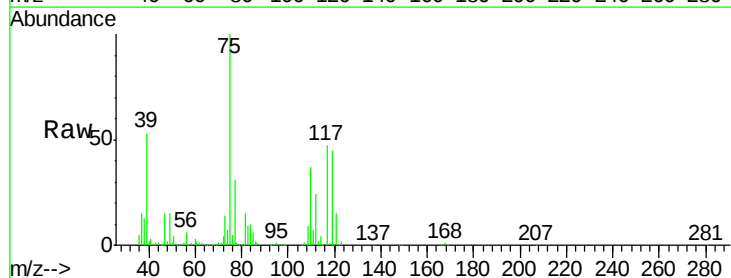
Manual Integrations
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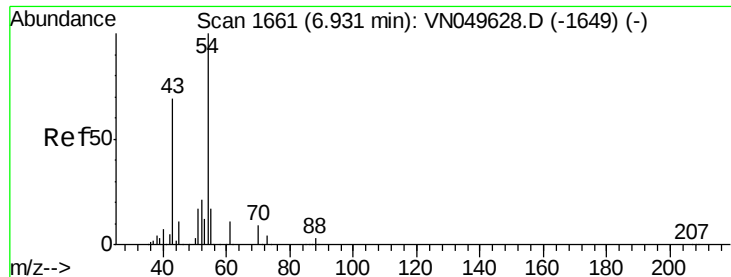
sam
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#36
 1,1-Dichloropropene
 Concen: 53.857 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049709.D
 Acq: 5 Jul 2018 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1087279		
110	36.0	18.1	54.4	
77	30.8	24.9	37.3	





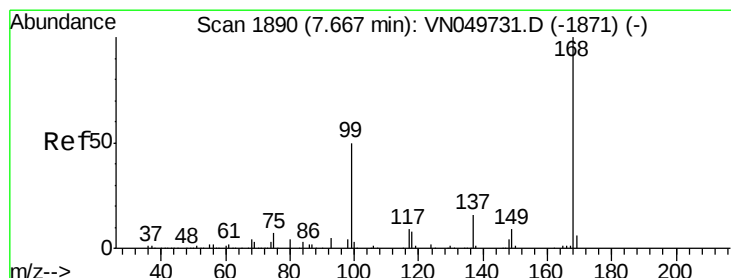
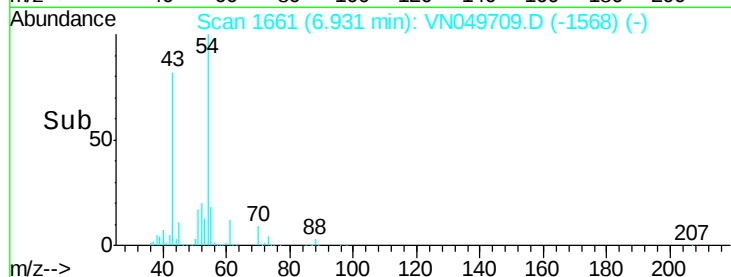
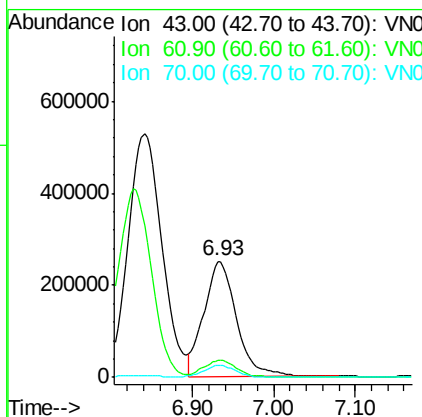
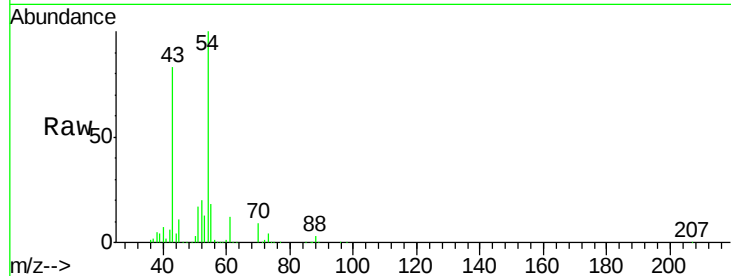
#37
Ethyl Acetate
Concen: 59.766 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.7	17.5
70	10.2	8.4	12.6

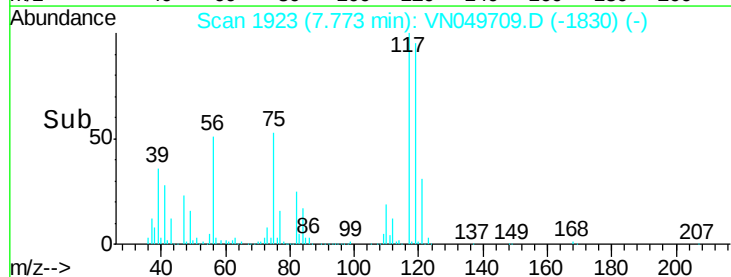
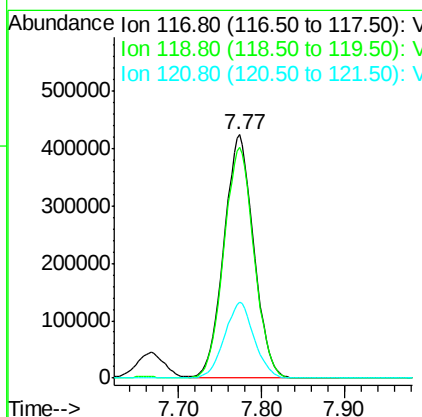
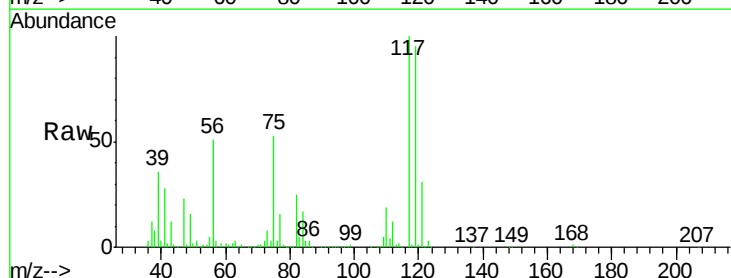
Manual Integrations
APPROVED

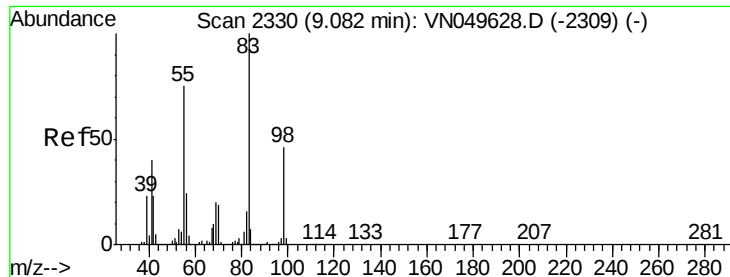
sam
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#38
Carbon Tetrachloride
Concen: 53.817 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.2	115.8
121	31.0	25.0	37.6





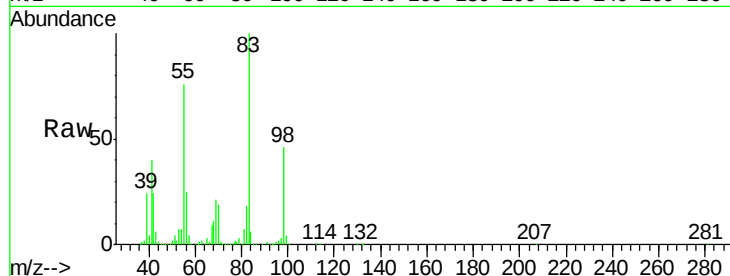
#39
Methvlcvclohexane
Concen: 53.302 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	59.7	89.5
98	46.0	36.5	54.7

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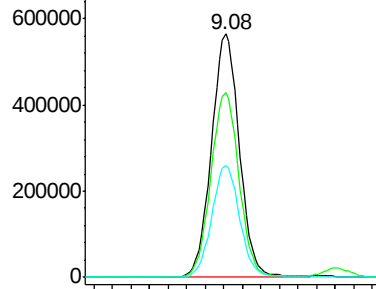
sam
7/6/2018 4:25:45 PM



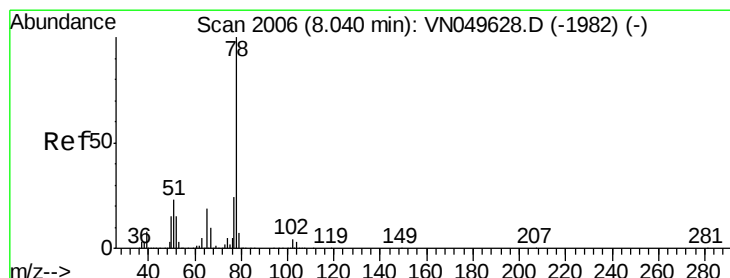
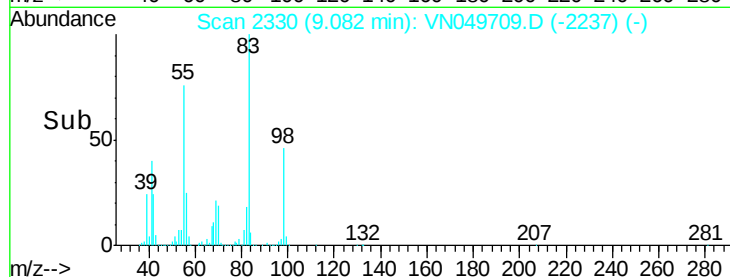
Abundance Ion 83.00 (82.70 to 83.70): VN049709.D (-2237) (-)

Ion 55.00 (54.70 to 55.70): VN049709.D (-2237) (-)

Ion 98.00 (97.70 to 98.70): VN049709.D (-2237) (-)

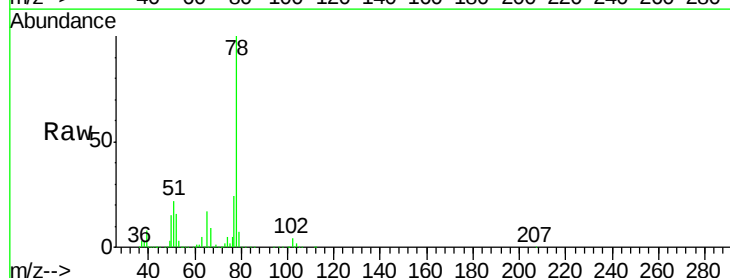


Time-->



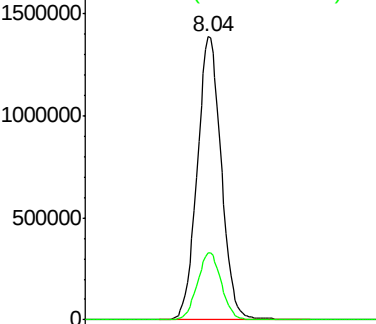
#40
Benzene
Concen: 52.692 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4

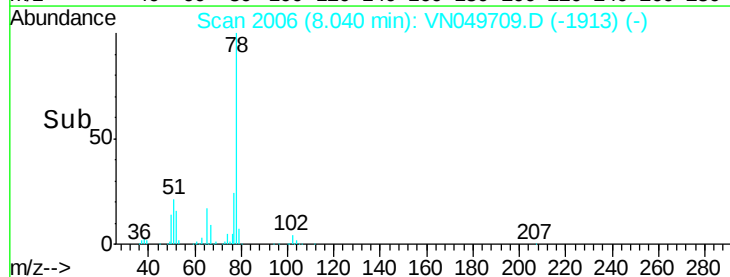


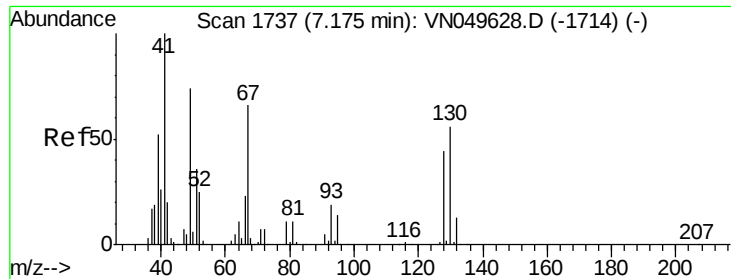
Abundance Ion 78.00 (77.70 to 78.70): VN049709.D (-1913) (-)

Ion 77.00 (76.70 to 77.70): VN049709.D (-1913) (-)



Time-->





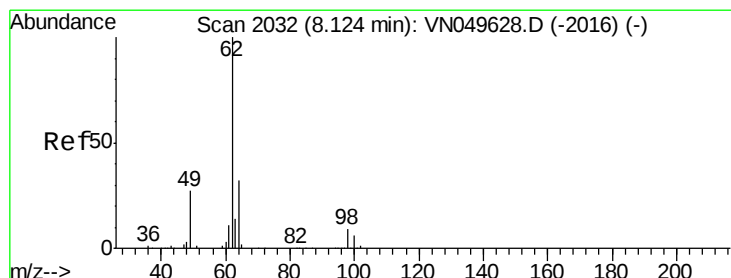
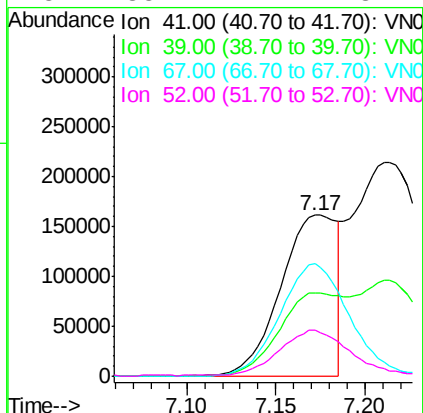
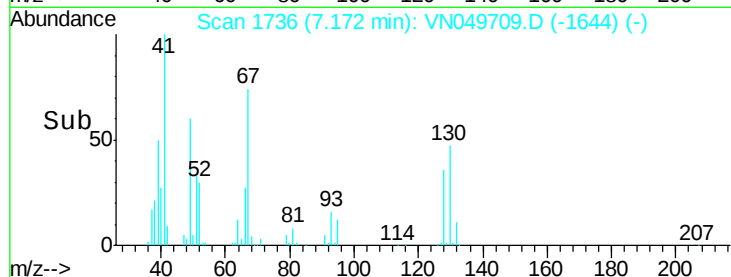
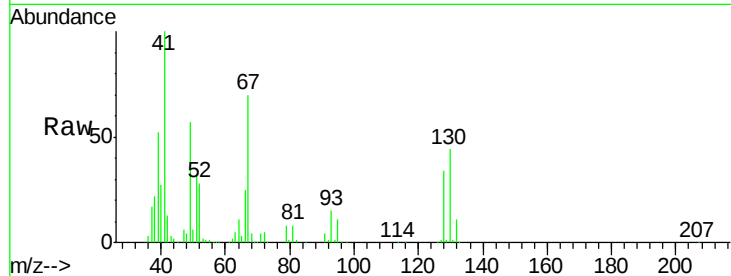
#41
Methacrylonitrile
Concen: 52.849 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		350791		
39	61.5	45.4	68.2		
67	87.1	65.4	98.0		
52	35.7	24.7	37.1		

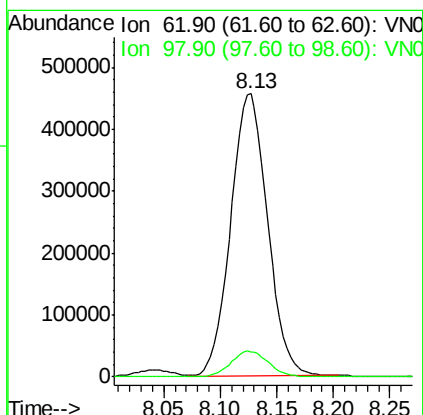
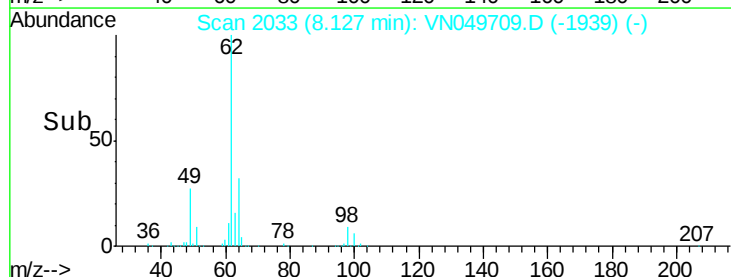
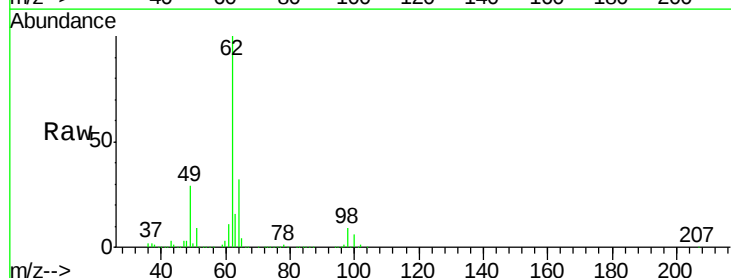
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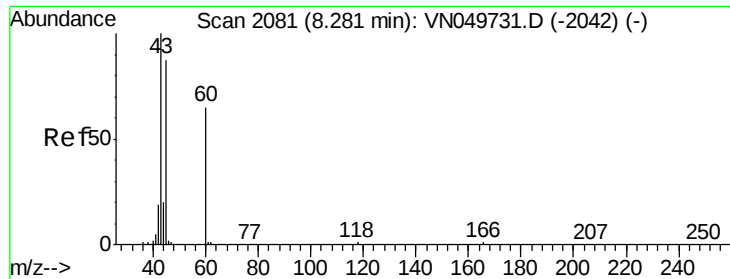
sam
7/6/2018 4:25:45 PM



#42
1,2-Dichloroethane
Concen: 52.580 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		1034426		
98	9.3	0.0	19.0		





#43

Isopropyl Acetate

Concen: 55.147 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1287956

Ion Ratio Lower Upper

43 100

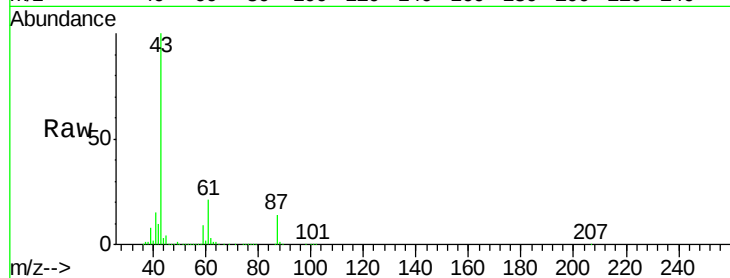
61 18.6 14.9 22.3

87 13.1 10.0 15.0

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sam

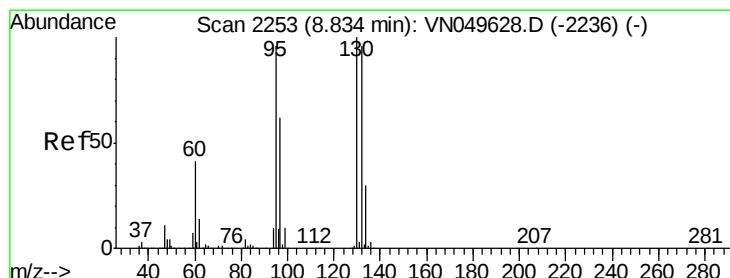
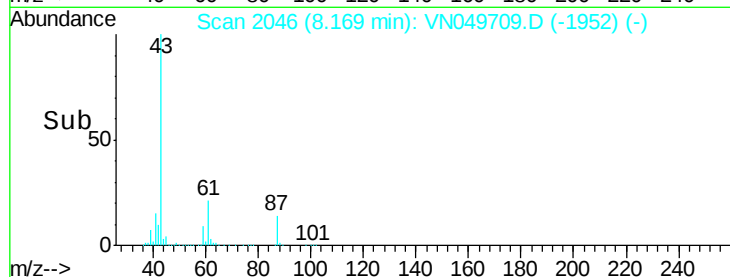
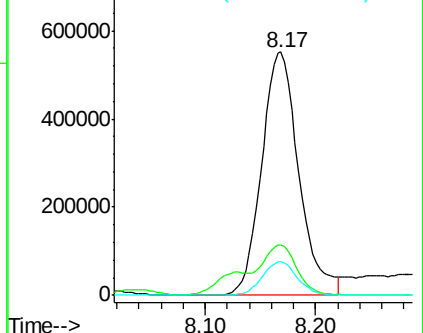
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Abundance Ion 43.00 (42.70 to 43.70): VN049709.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049709.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049709.D (-1952) (-)



#44

Trichloroethene

Concen: 49.717 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VN049709.D

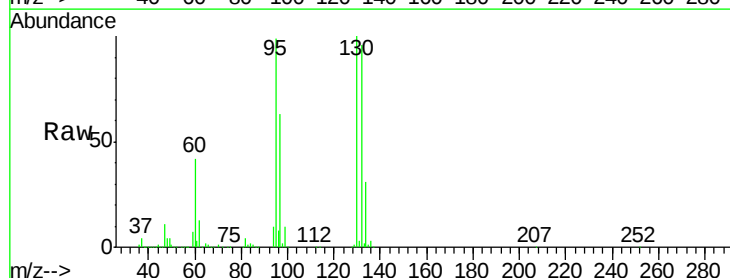
Acq: 5 Jul 2018 13:19

Tgt Ion: 130 Resp: 924272

Ion Ratio Lower Upper

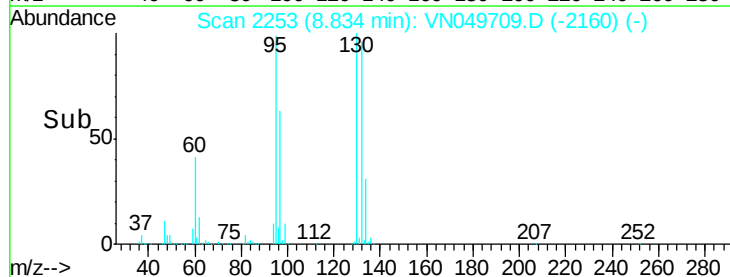
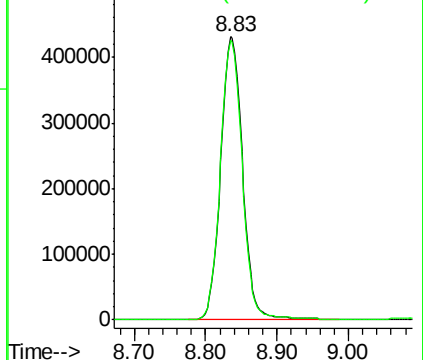
130 100

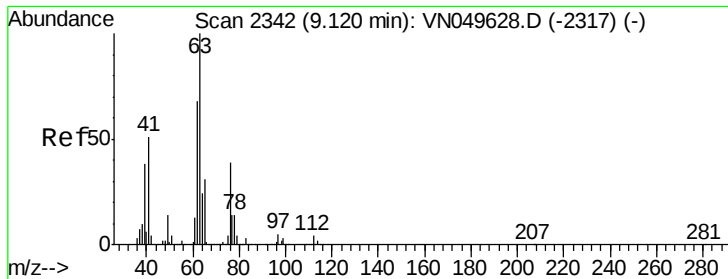
95 98.6 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049709.D (-2160) (-)

Ion 94.90 (94.60 to 95.60): VN049709.D (-2160) (-)





#45

1,2-Dichloropropane

Concen: 53.600 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Tot Ion: 63 Resp: 853672

Ion Ratio Lower Upper

63 100

65 30.6 24.7 37.1

Instrument :

MSVOA_N

ClientSampleId :

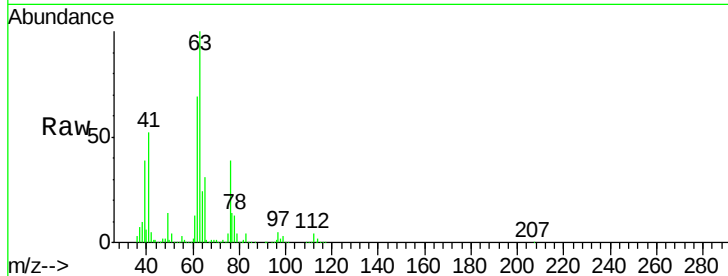
VSTDCCC050

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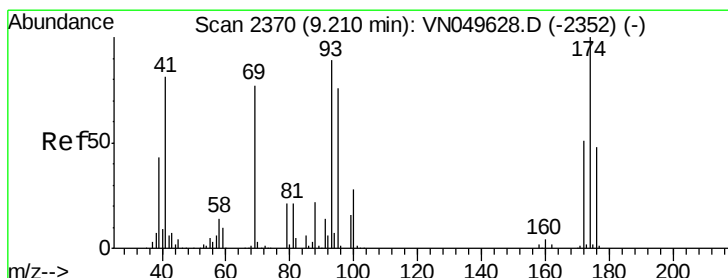
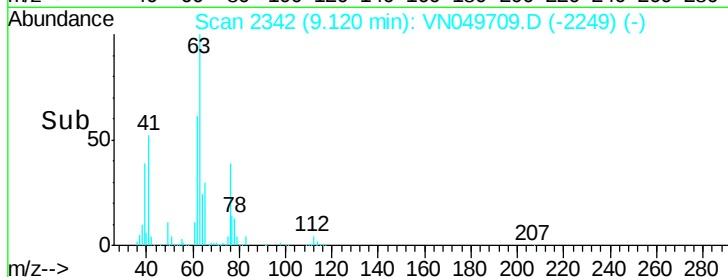
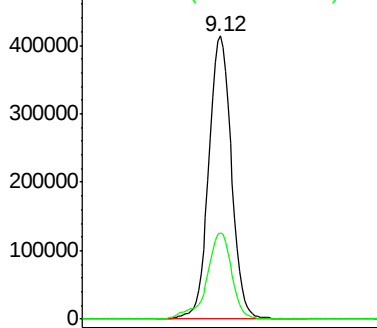
sam

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 54.601 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

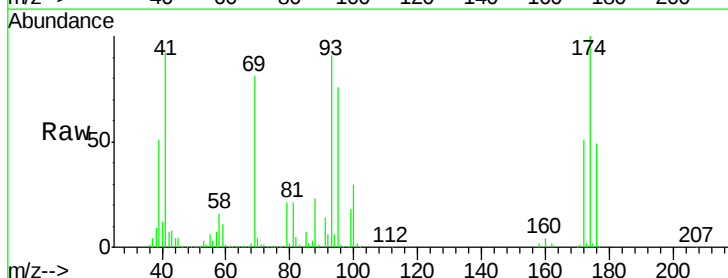
Tgt Ion: 93 Resp: 526095

Ion Ratio Lower Upper

93 100

95 82.9 67.9 101.9

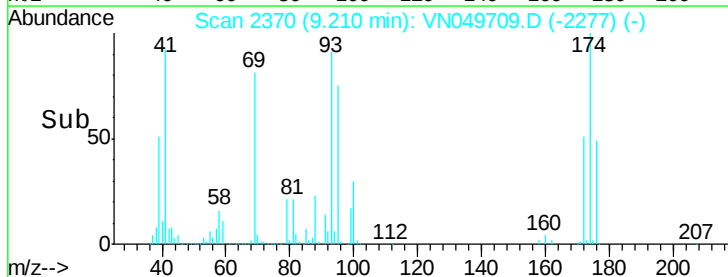
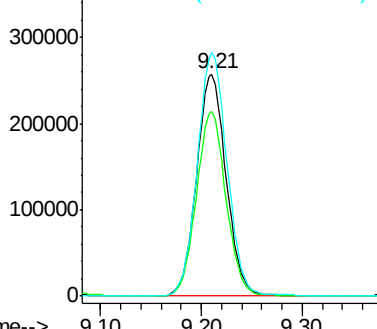
174 109.8 89.4 134.0

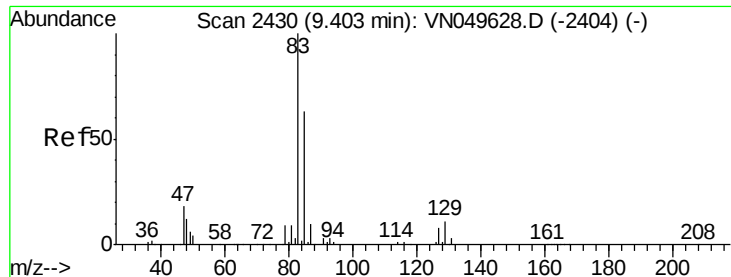


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





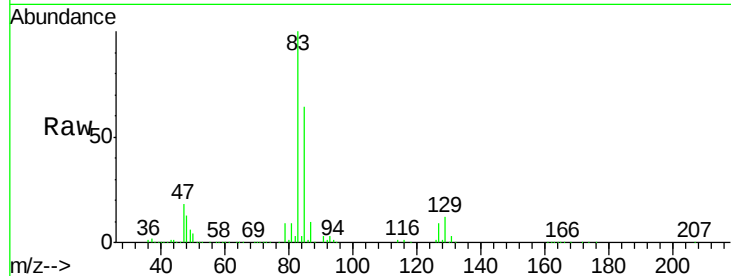
#47
Bromodichloromethane
Concen: 53.587 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

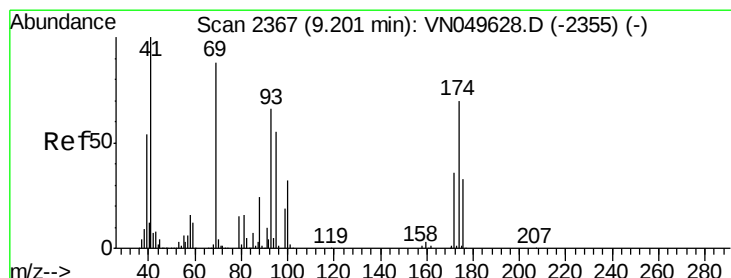
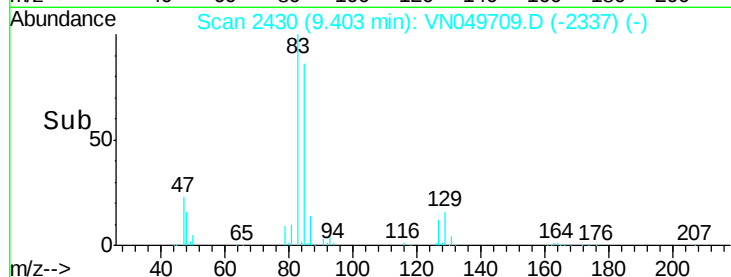
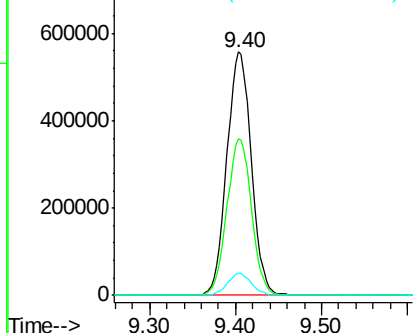
Tot Ion	83	Resp	1099142
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.5	75.7
127	8.9	6.8	10.2

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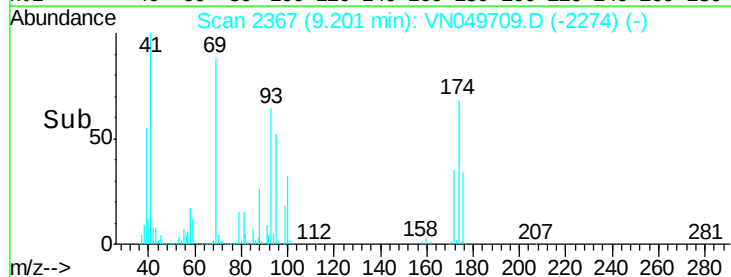
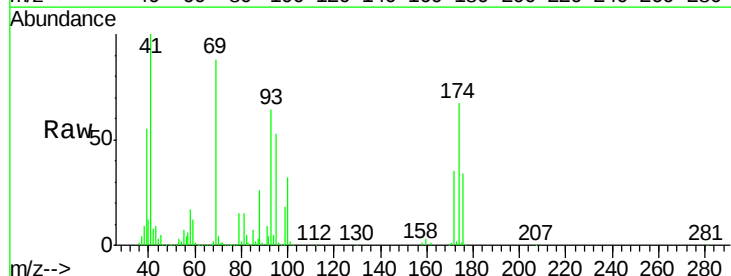
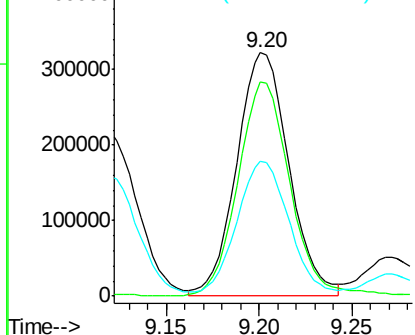
Abundance Ion 82.90 (82.60 to 83.60): VN049709.D (-2337) (-)
Ion 84.90 (84.60 to 85.60): VN049709.D (-2337) (-)
Ion 126.80 (126.50 to 127.50): VN049709.D (-2337) (-)

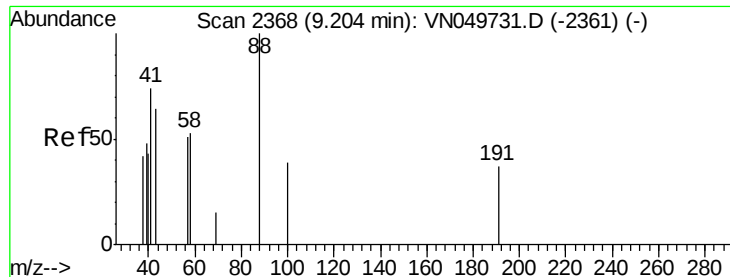


#48
Methyl methacrylate
Concen: 59.899 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Tgt Ion	41	Resp	626774
Ion	Ratio	Lower	Upper
41	100		
69	88.3	71.5	107.3
39	55.4	44.7	67.1

Abundance Ion 41.00 (40.70 to 41.70): VN049709.D (-2274) (-)
Ion 69.00 (68.70 to 69.70): VN049709.D (-2274) (-)
Ion 39.00 (38.70 to 39.70): VN049709.D (-2274) (-)





#49

1,4-Dioxane

Concen: 1206.758 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Instrument :

MSVOA_N

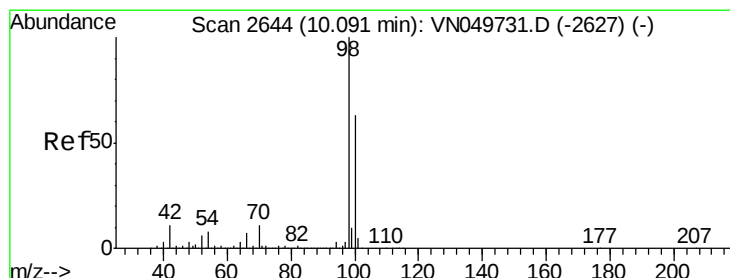
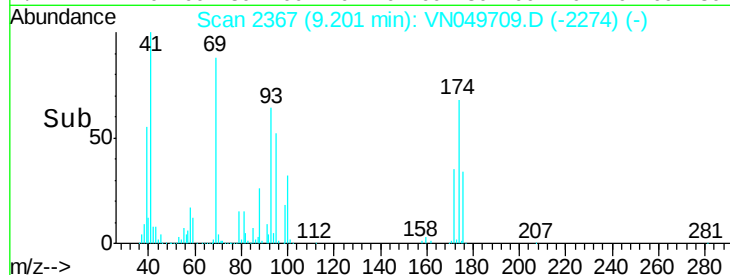
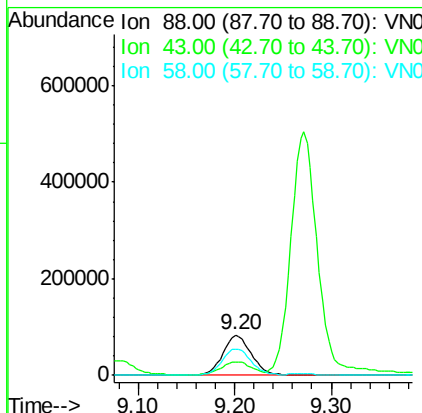
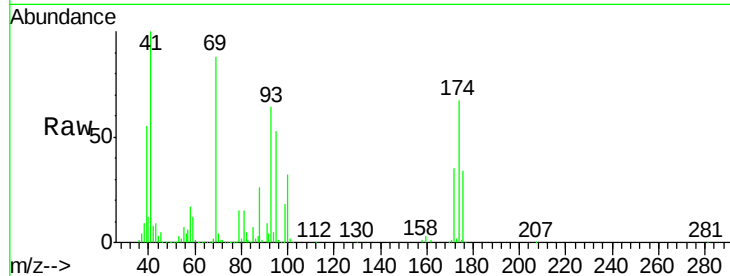
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	169761
Ion	Ratio	Lower	Upper
88	100		
43	32.4	25.1	37.7
58	67.6	52.5	78.7

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#50

Toluene-d8

Concen: 47.372 ug/l

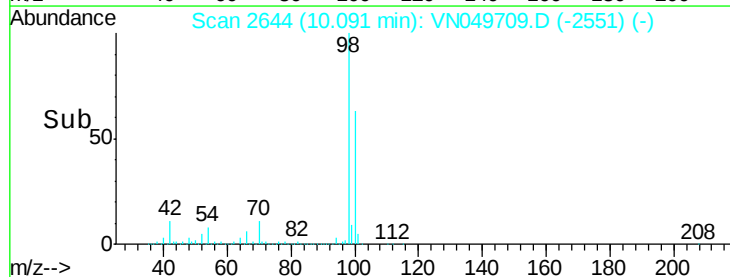
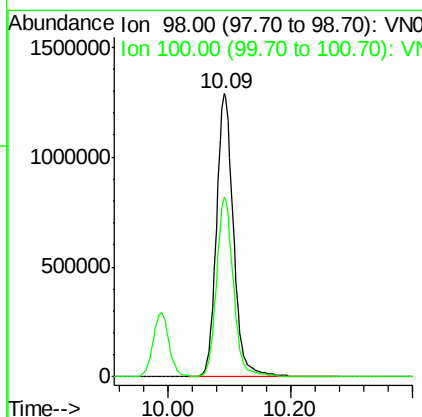
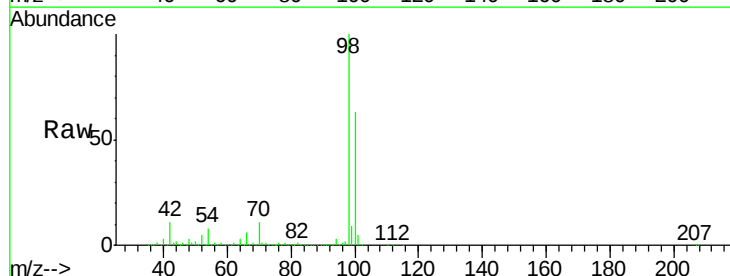
RT: 10.09 min Scan# 2644

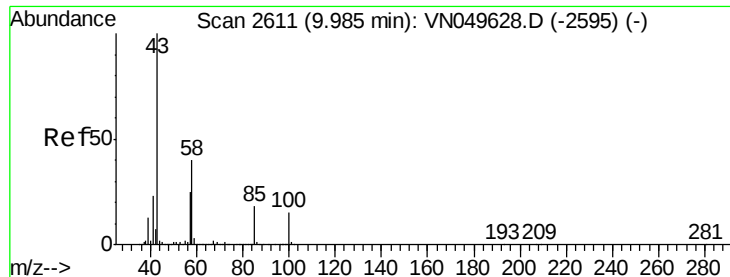
Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Tgt Ion:	98	Resp:	2487506
Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.7	77.5





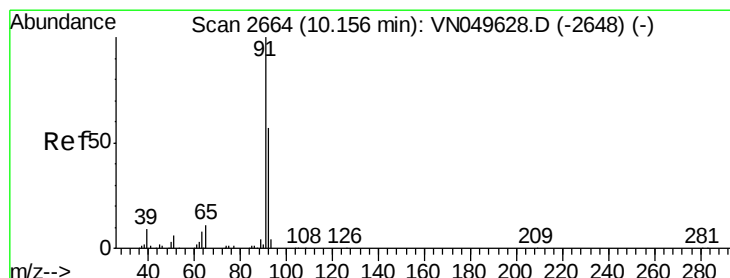
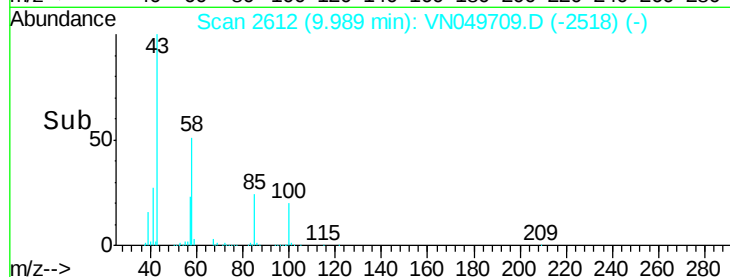
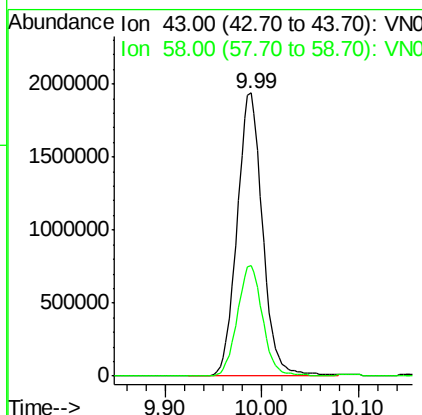
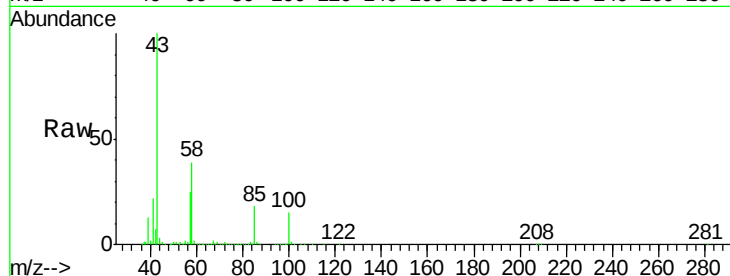
#51
4-Methyl-2-Pentanone
Concen: 306.898 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 3543130
Ion Ratio Lower Upper
43 100
58 39.0 31.8 47.8

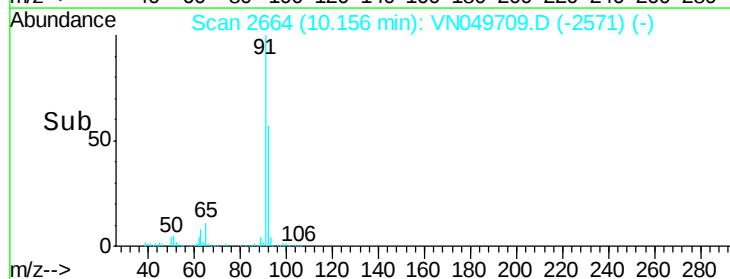
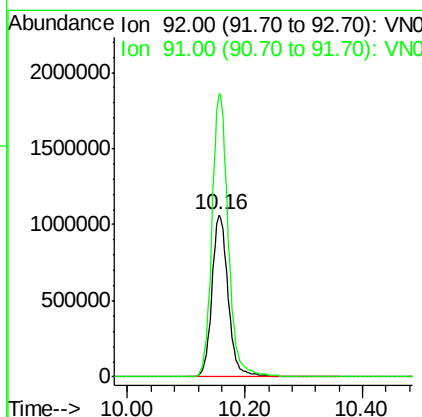
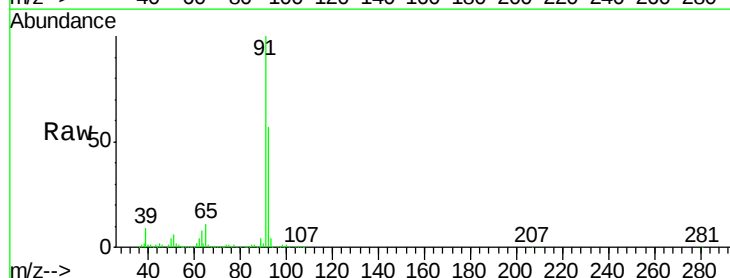
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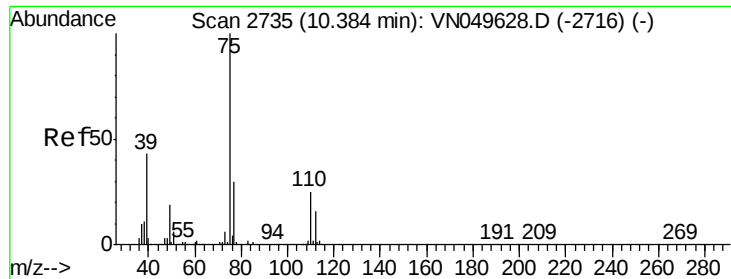
sam
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#52
Toluene
Concen: 54.605 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Tgt Ion: 92 Resp: 2033598
Ion Ratio Lower Upper
92 100
91 175.7 140.1 210.1





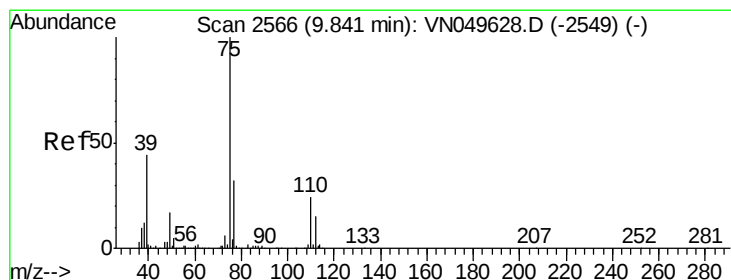
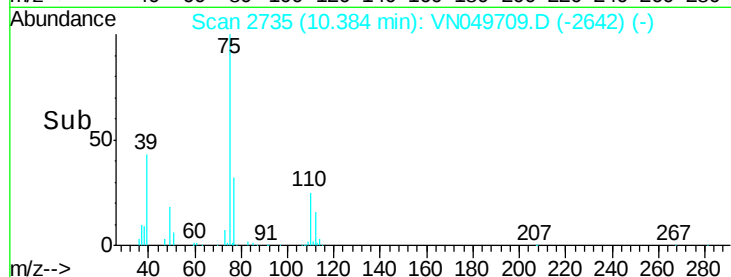
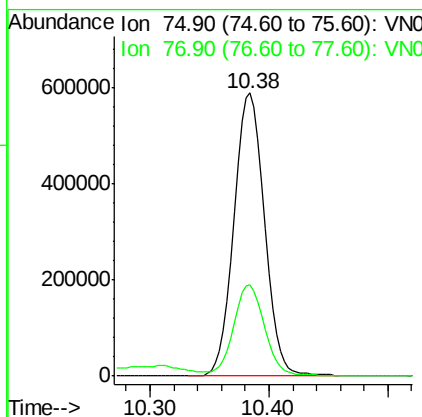
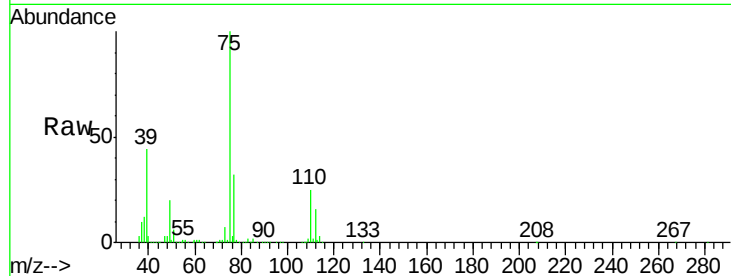
#53
t-1,3-Dichloropropene
Concen: 53.200 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 1044852
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8

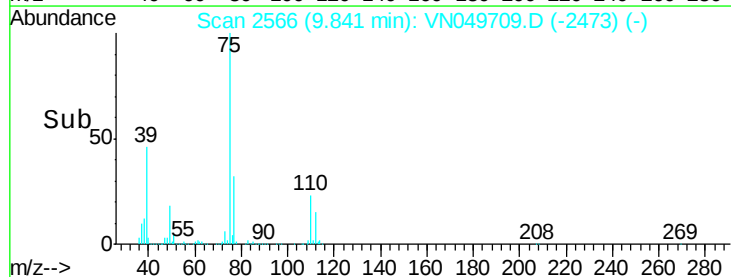
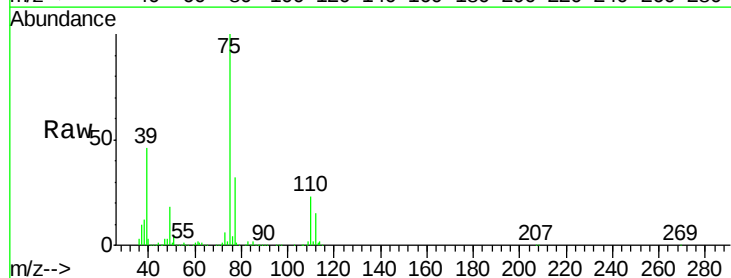
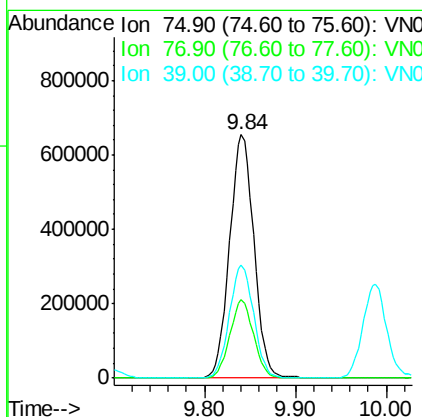
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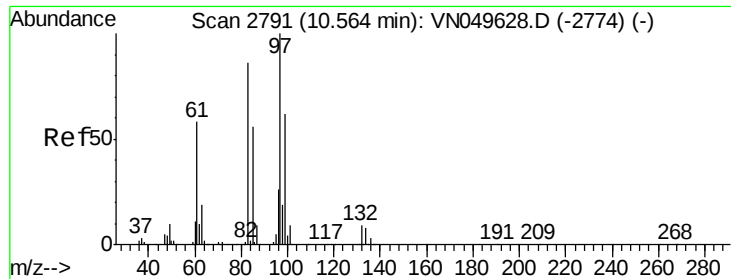
sam
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#54
cis-1,3-Dichloropropene
Concen: 53.066 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Tgt Ion: 75 Resp: 1218090
Ion Ratio Lower Upper
75 100
77 32.0 25.3 37.9
39 46.2 35.5 53.3





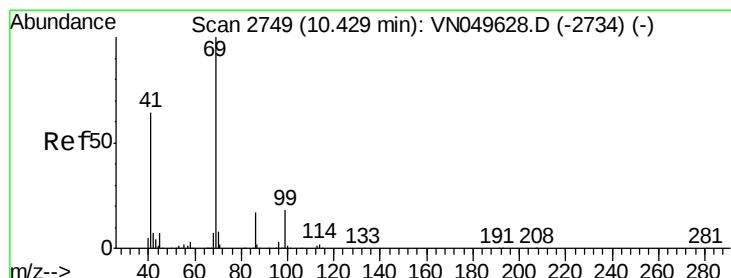
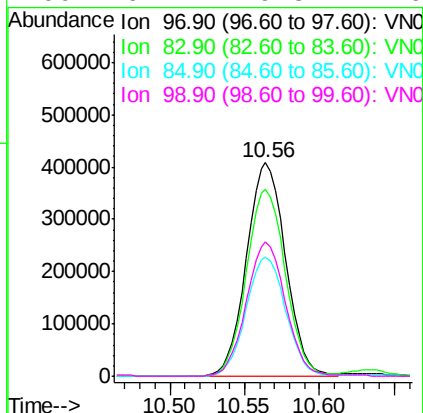
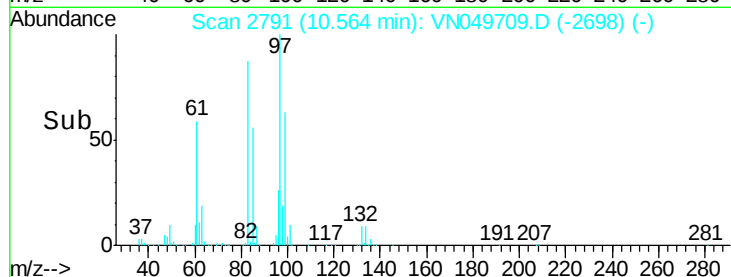
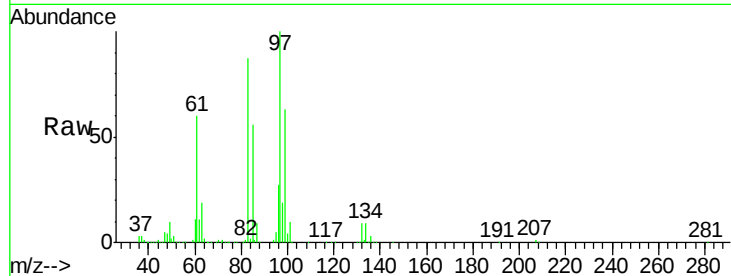
#55
 1,1,2-Trichloroethane
 Concen: 53.654 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049709.D
 Acq: 5 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	744009
Ion	Ratio	Lower	Upper
97	100		
83	87.2	69.0	103.6
85	55.9	44.9	67.3
99	62.7	49.8	74.6

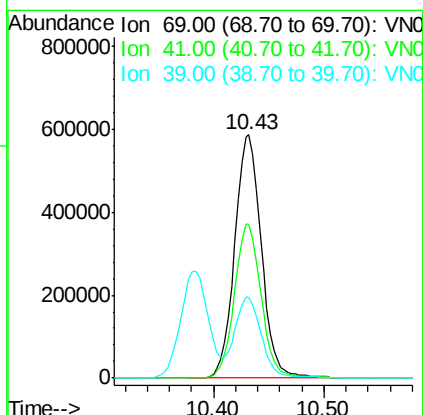
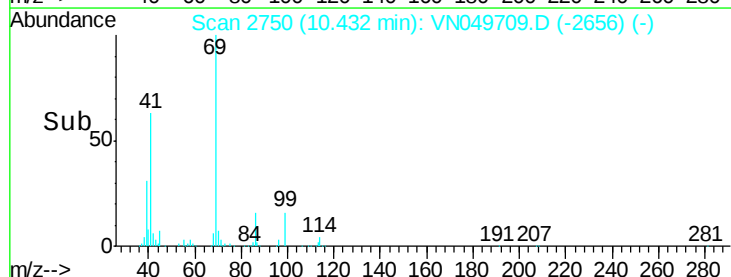
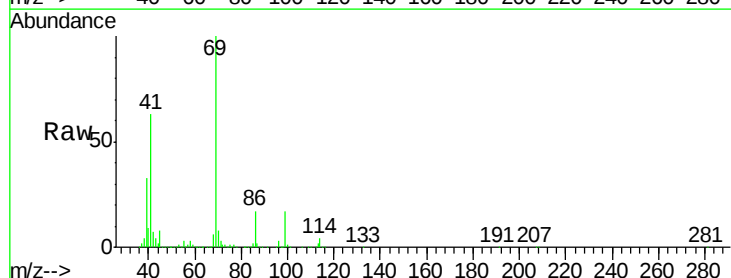
Manual Integrations
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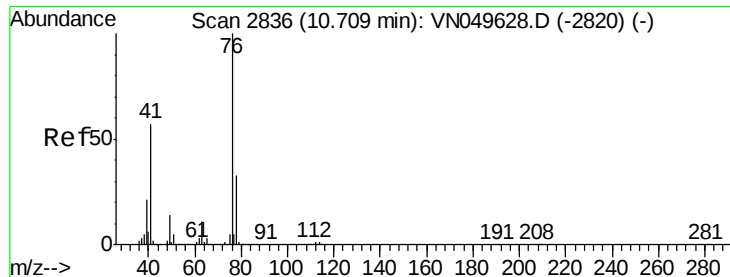
sam
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#56
 Ethyl methacrylate
 Concen: 60.426 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049709.D
 Acq: 5 Jul 2018 13:19

Tgt Ion:	69	Resp:	982178
Ion	Ratio	Lower	Upper
69	100		
41	63.6	51.6	77.4
39	32.7	25.8	38.8





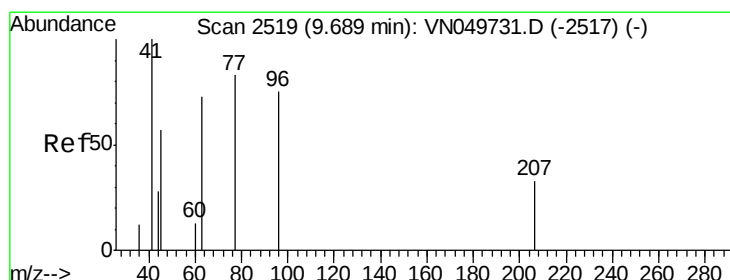
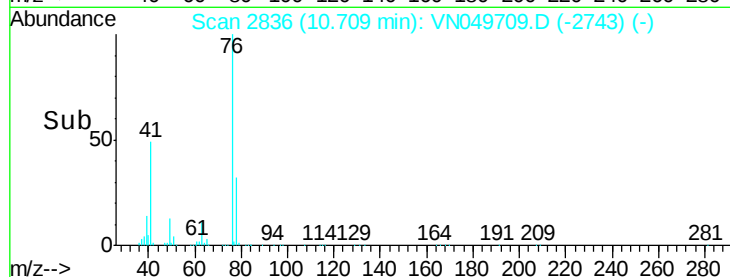
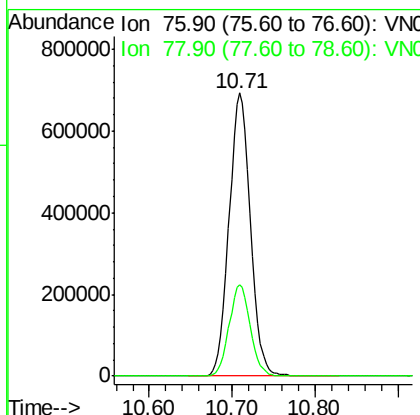
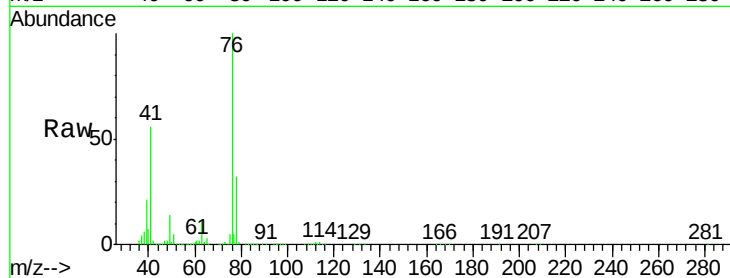
#57
 1,3-Dichloropropane
 Concen: 55.366 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049709.D
 Acq: 5 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 1244927
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

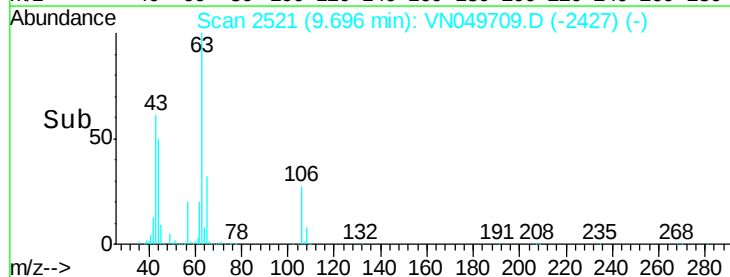
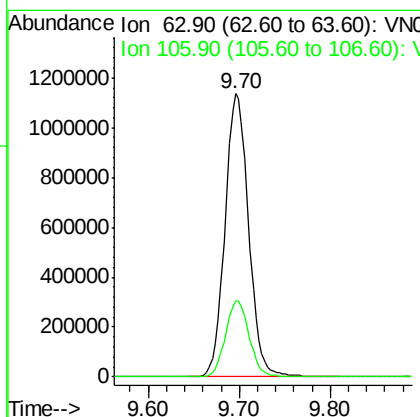
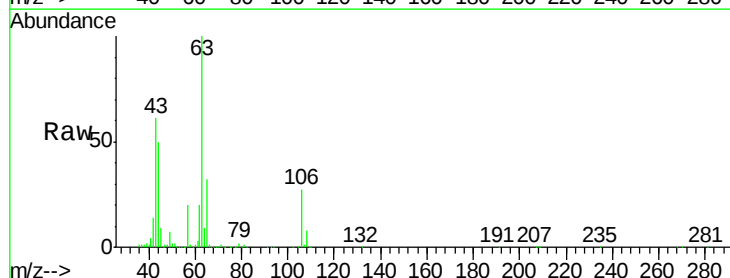
Manual Integrations
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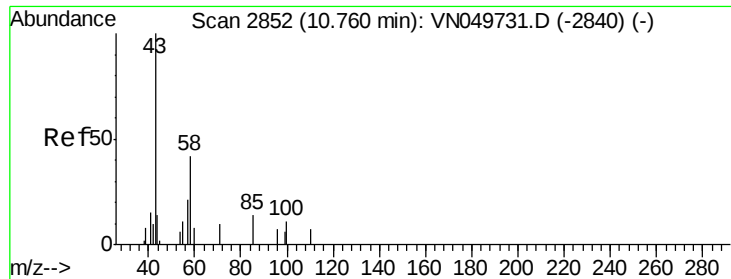
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 242.043 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049709.D
 Acq: 5 Jul 2018 13:19

Tgt Ion: 63 Resp: 2047407
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.8 32.8





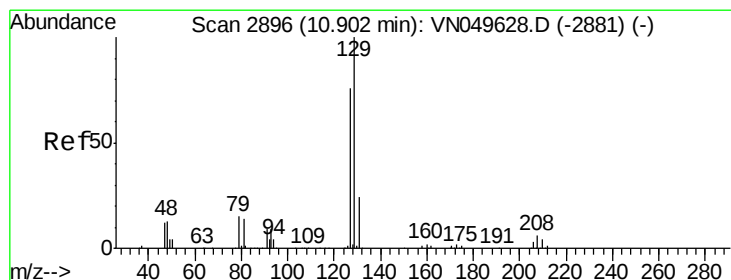
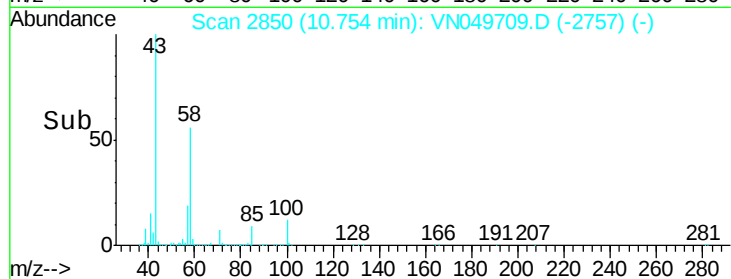
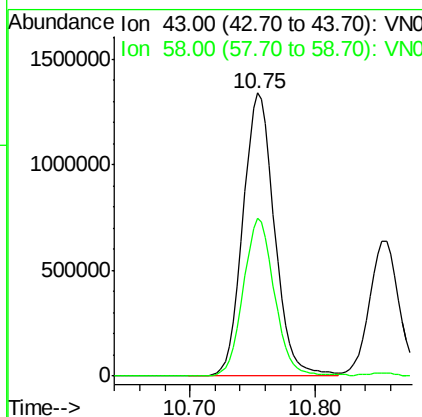
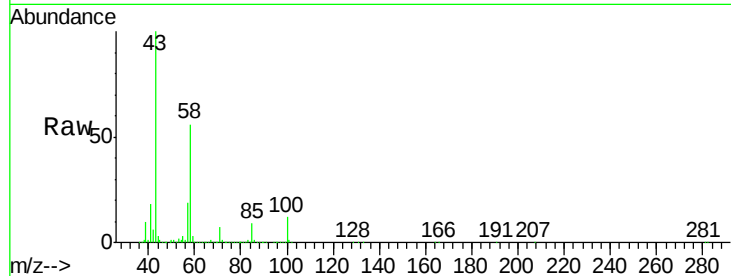
#59
2-Hexanone
Concen: 307.296 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2345948
Ion Ratio Lower Upper
43 100
58 55.1 27.8 83.4

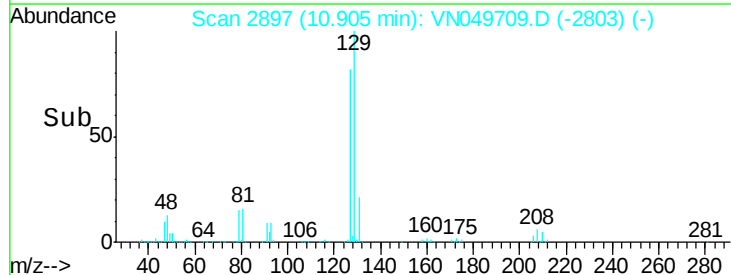
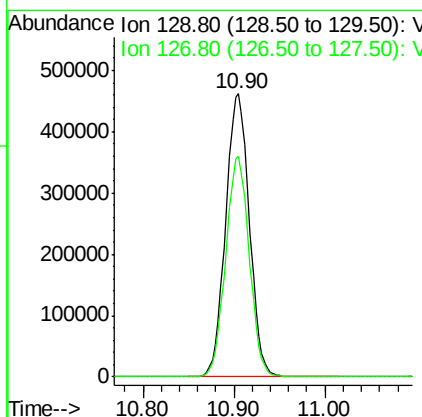
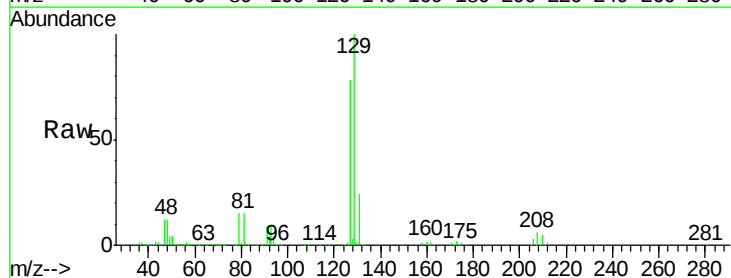
Manual Integrations
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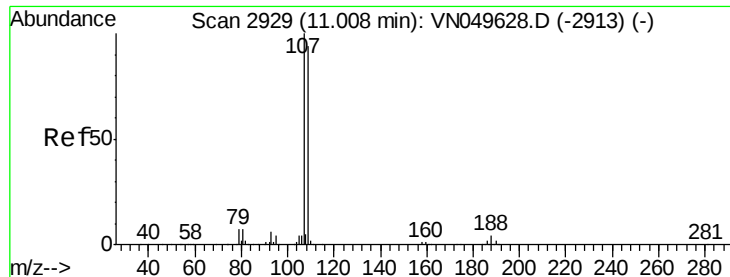
sam
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#60
Dibromochloromethane
Concen: 55.908 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Tgt Ion: 129 Resp: 837904
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.9





#61

1,2-Dibromoethane

Concen: 55.252 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 734106

Ion Ratio Lower Upper

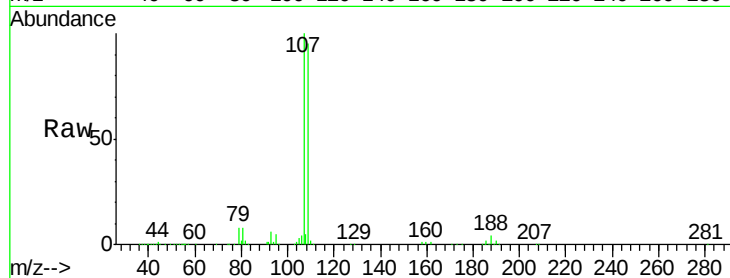
107 100

109 94.5 75.0 112.6

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

400000

300000

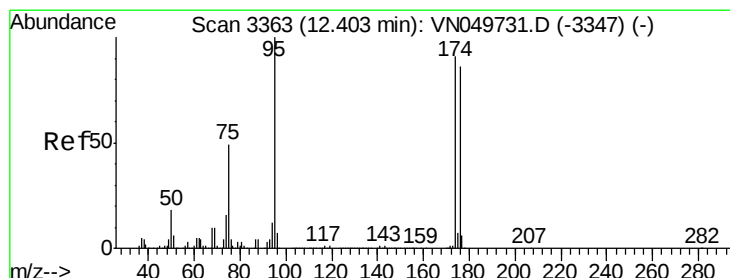
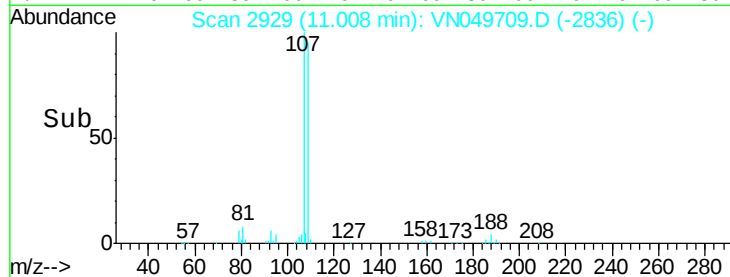
200000

100000

0

Time-->

10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 49.412 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

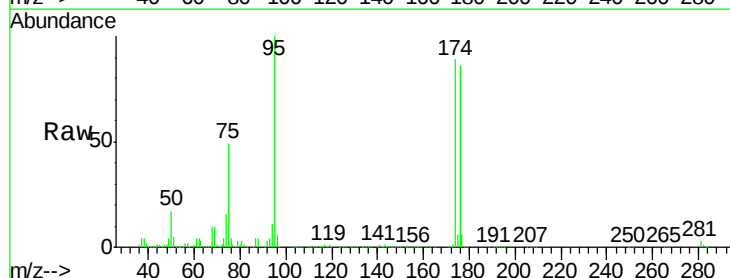
Tgt Ion: 95 Resp: 885853

Ion Ratio Lower Upper

95 100

174 90.1 0.0 179.6

176 86.5 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

600000

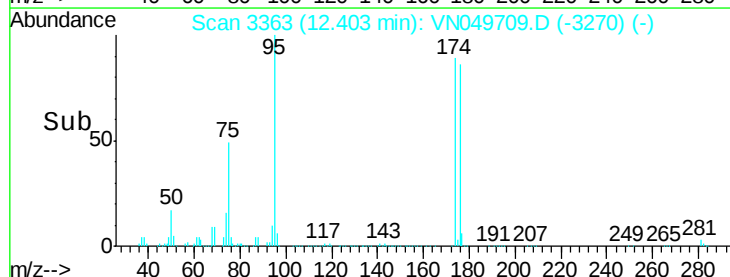
400000

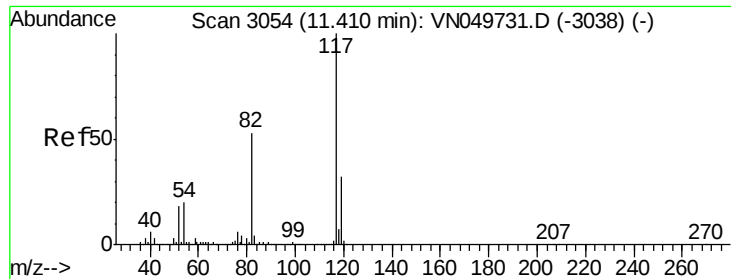
200000

0

Time-->

12.30 12.35 12.40 12.45





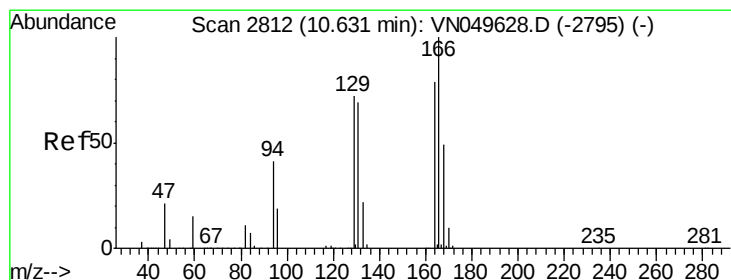
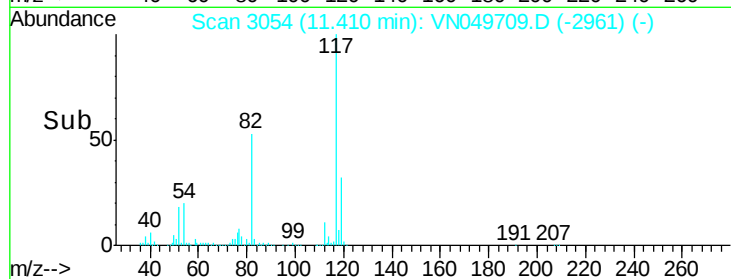
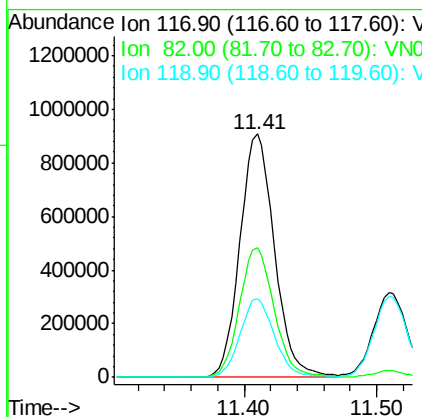
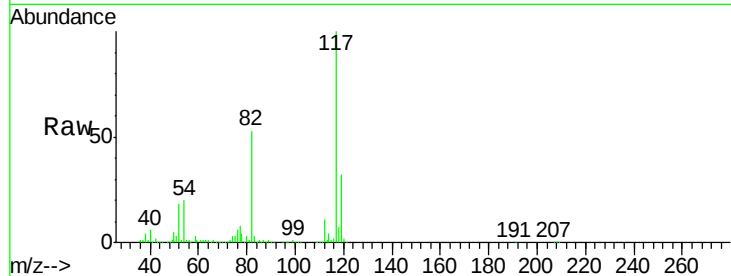
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	41.9	62.9
119	32.2	25.4	38.2

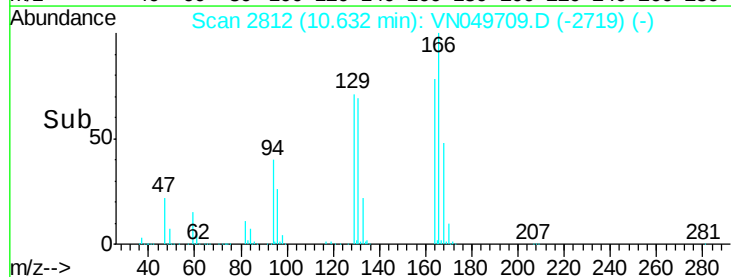
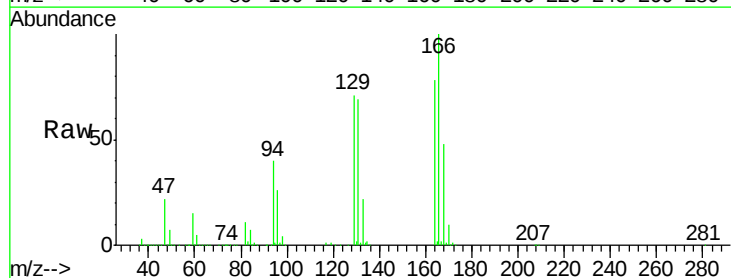
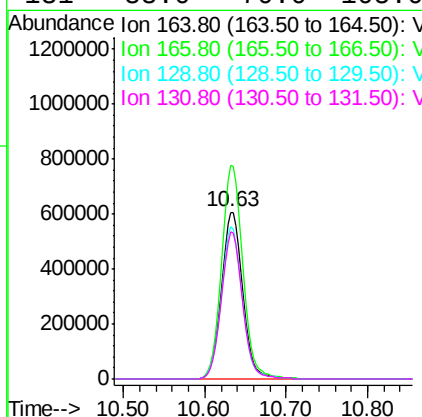
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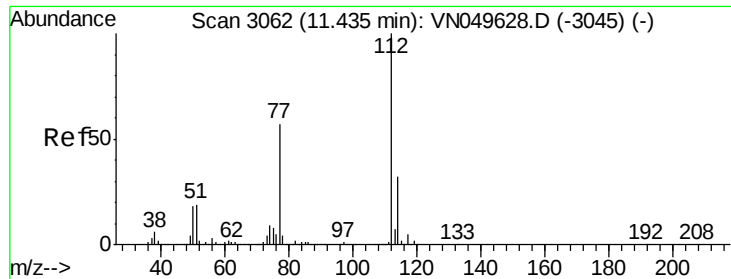
sam
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#64
Tetrachloroethene
Concen: 50.398 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	101.8	152.6
129	91.4	72.8	109.2
131	88.0	70.0	105.0





#65

Chlorobenzene

Concen: 50.594 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 2173969

Ion Ratio Lower Upper

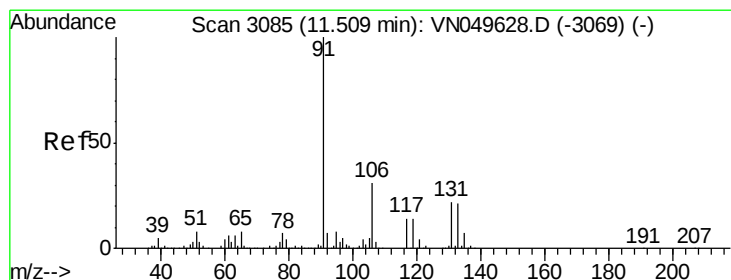
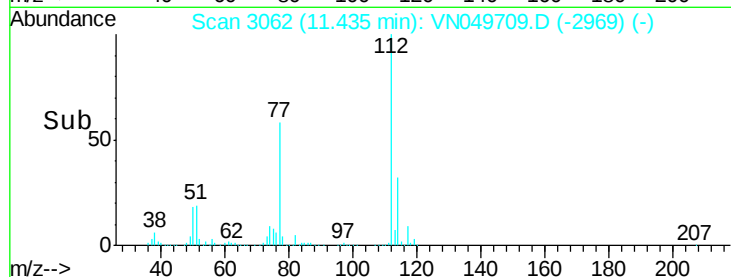
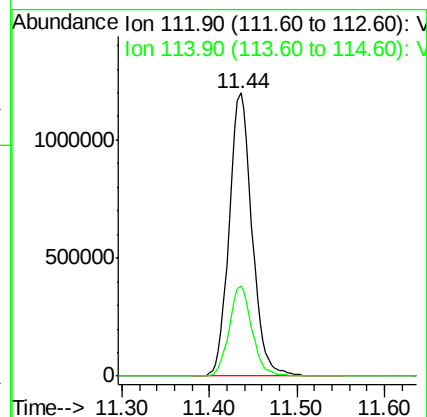
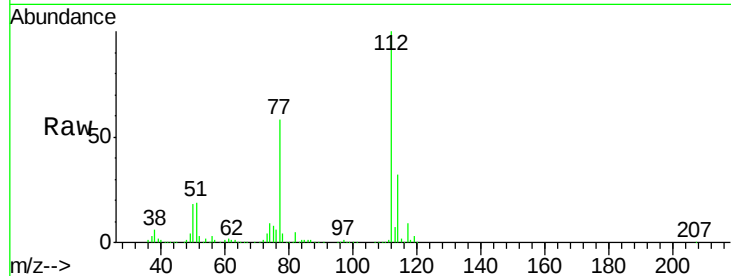
112 100

114 31.9 25.4 38.0

Manual Integrations
APPROVED

sam

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#66

1,1,1,2-Tetrachloroethane

Concen: 52.585 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

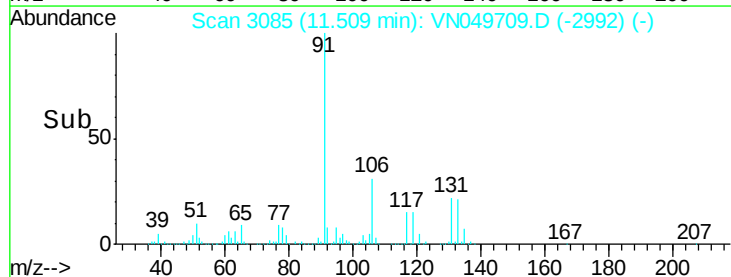
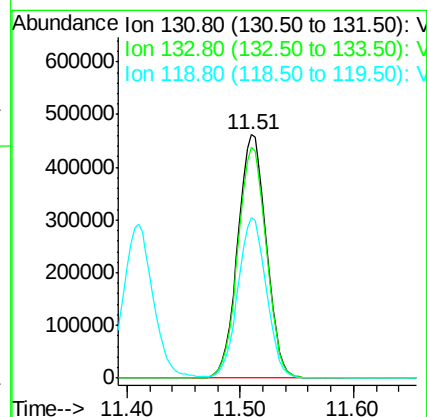
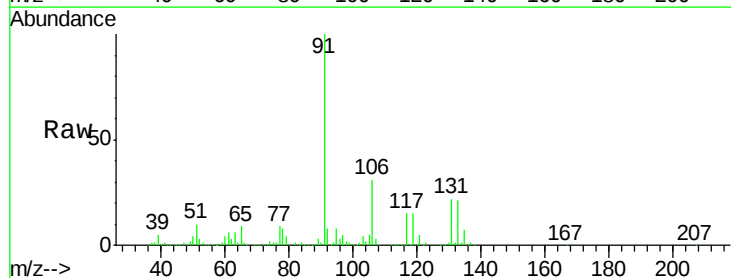
Tgt Ion:131 Resp: 811890

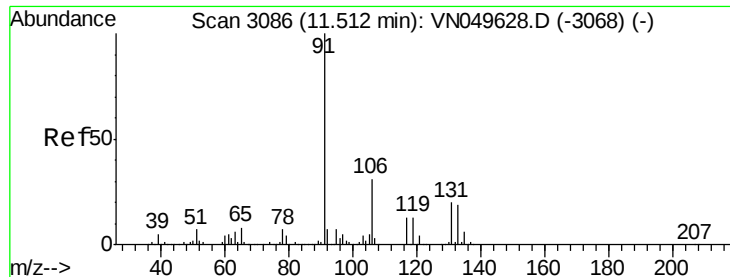
Ion Ratio Lower Upper

131 100

133 94.7 47.5 142.6

119 65.7 33.1 99.3





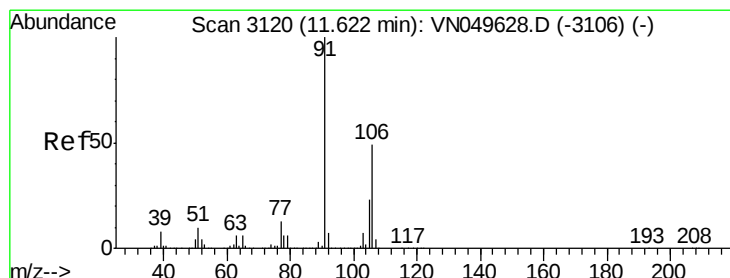
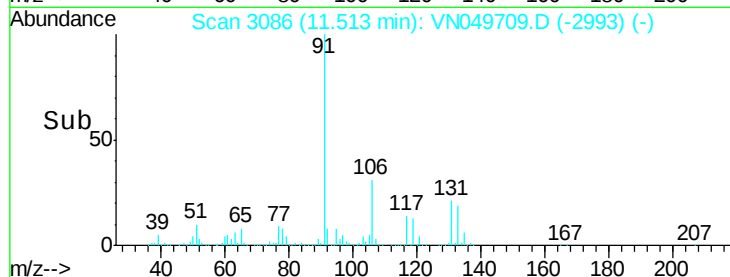
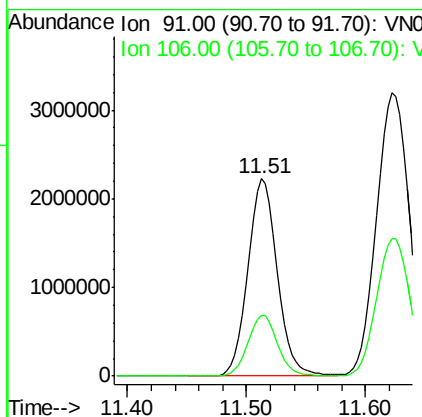
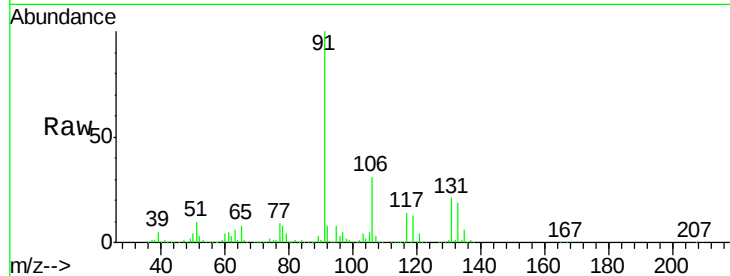
#67
Ethyl Benzene
Concen: 53.617 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 3808397
Ion Ratio Lower Upper
91 100
106 31.0 24.8 37.2

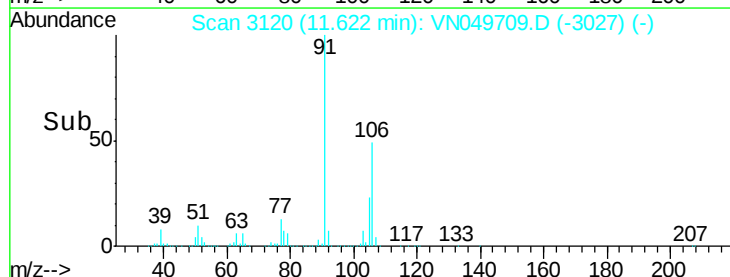
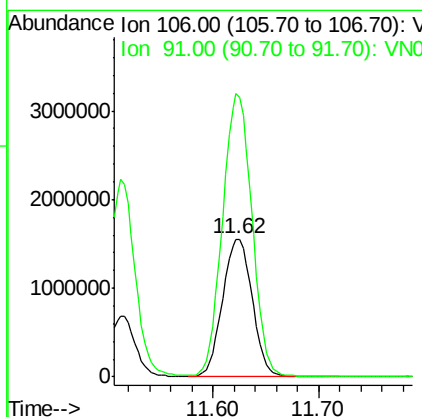
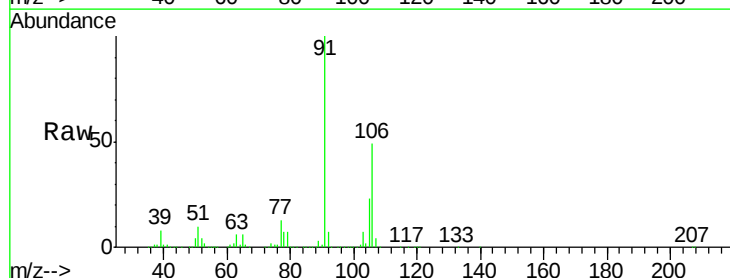
Manual Integrations
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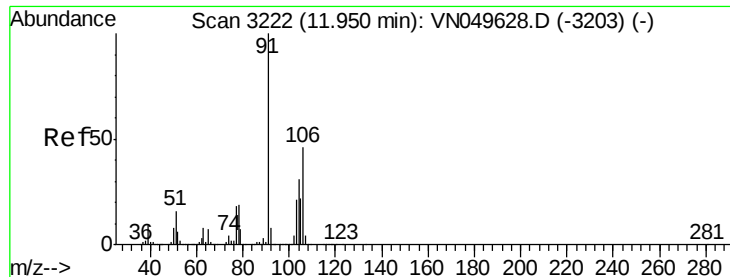
sam
7/6/2018 4:25:45 PM



#68
m/p-Xylenes
Concen: 111.298 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Tgt Ion: 106 Resp: 3029635
Ion Ratio Lower Upper
106 100
91 203.6 163.4 245.2





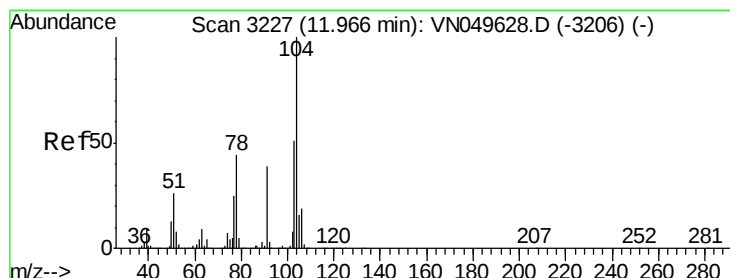
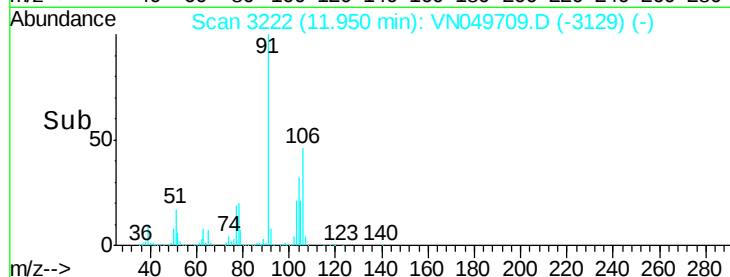
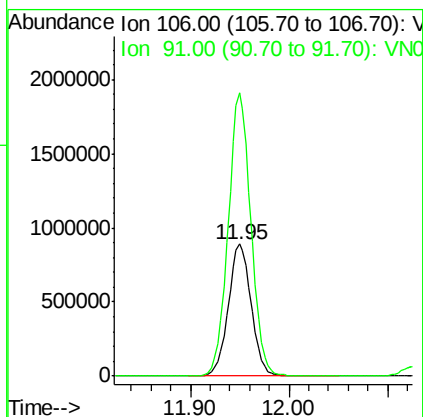
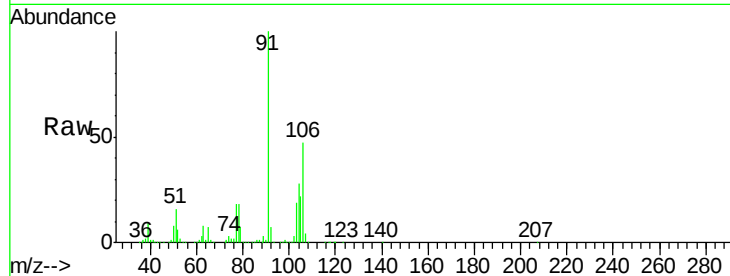
#69
o-Xylene
Concen: 55.422 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 1444391
Ion Ratio Lower Upper
106 100
91 213.0 108.7 326.1

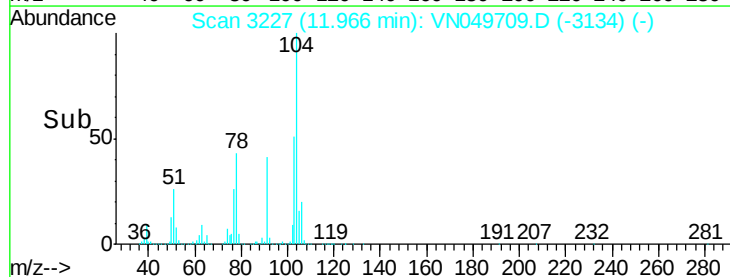
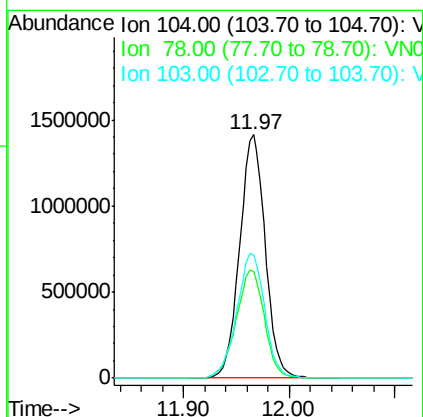
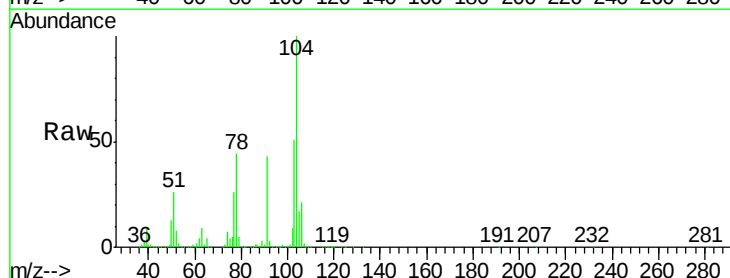
Manual Integrations
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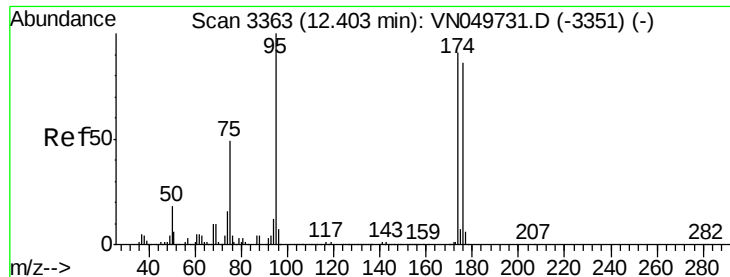
Sam
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#70
Styrene
Concen: 56.405 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Tgt Ion:104 Resp: 2378482
Ion Ratio Lower Upper
104 100
78 48.9 39.2 58.8
103 55.8 44.6 67.0





#71

Bromoform

Concen: 56.511 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Instrument :

MSVOA_N

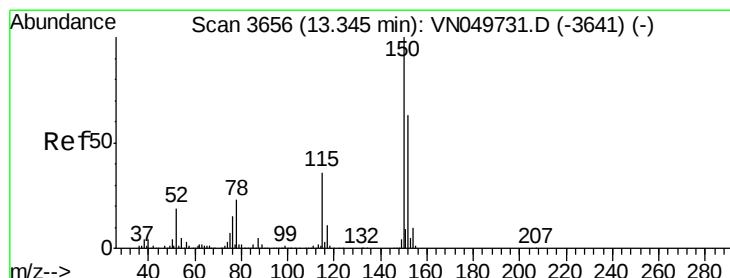
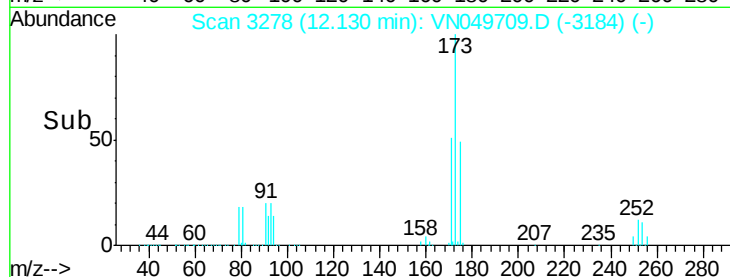
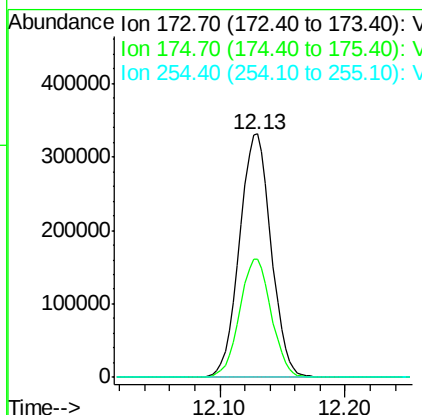
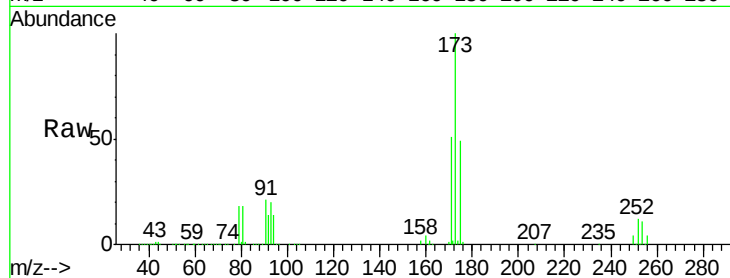
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	73.8
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

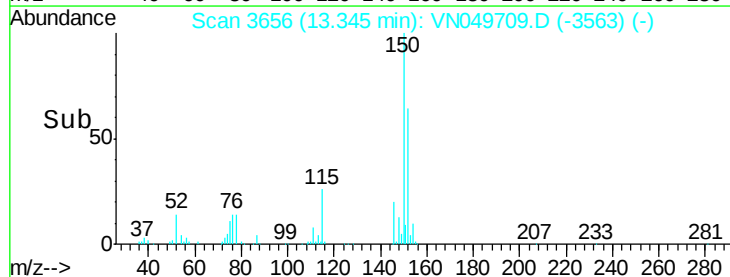
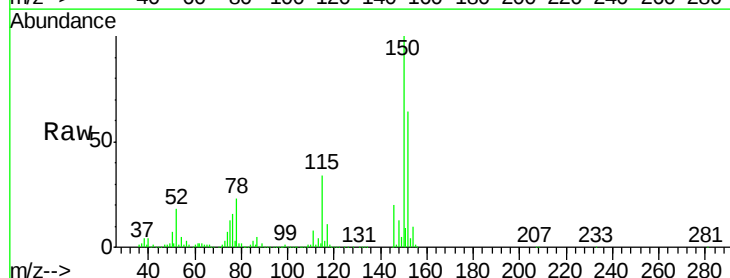
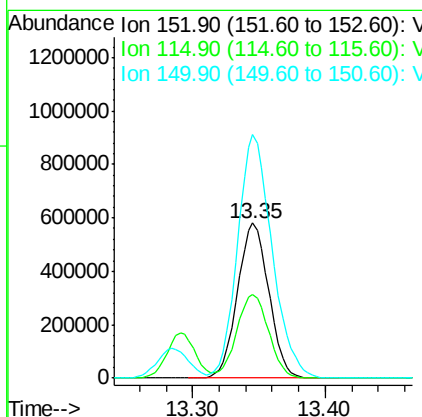
RT: 13.35 min Scan# 3656

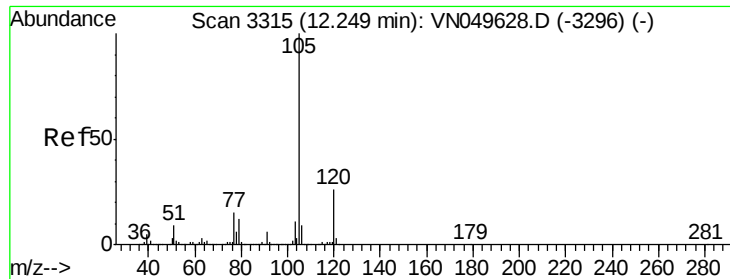
Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	28.1	84.2
150	173.5	0.0	347.6





#73

Isopropylbenzene

Concen: 50.084 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 3786712

Ion Ratio Lower Upper

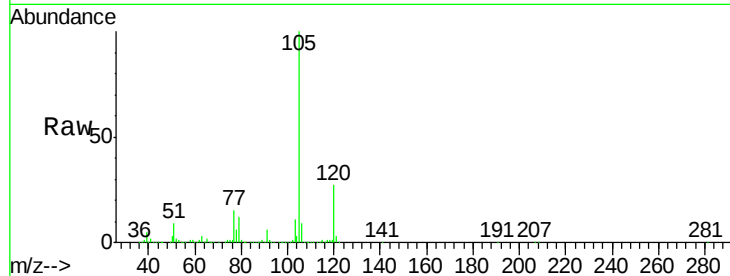
105 100

120 26.6 13.3 39.8

Manual Integrations
APPROVED

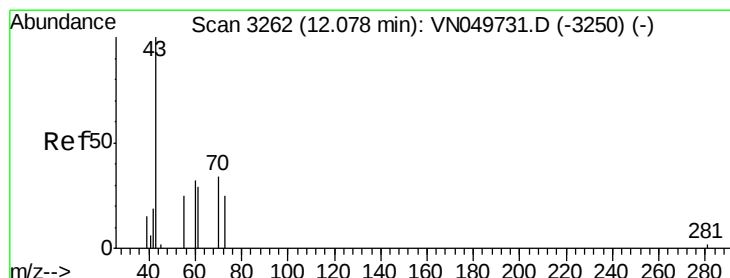
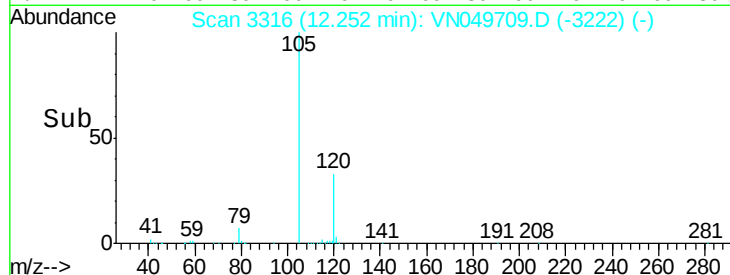
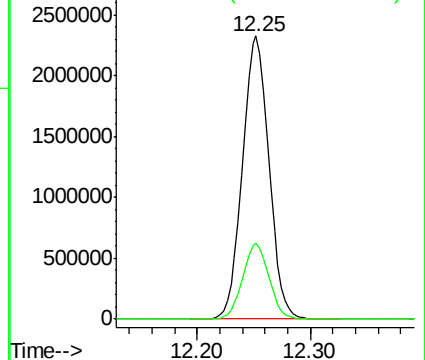
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.801 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Tgt Ion: 43 Resp: 1111122

Ion Ratio Lower Upper

43 100

70 42.7 34.8 52.2

55 25.8 20.9 31.3

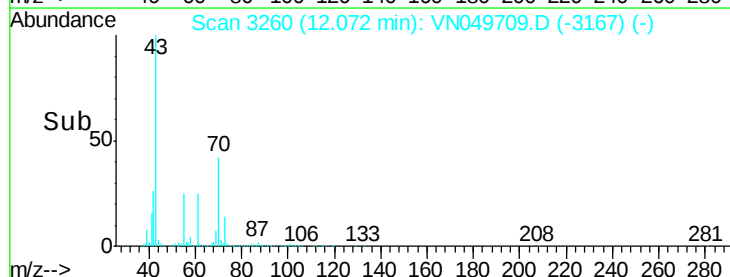
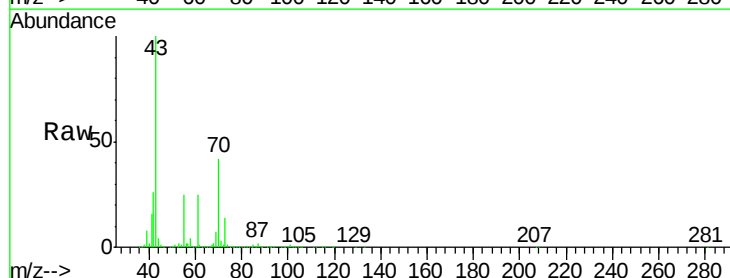
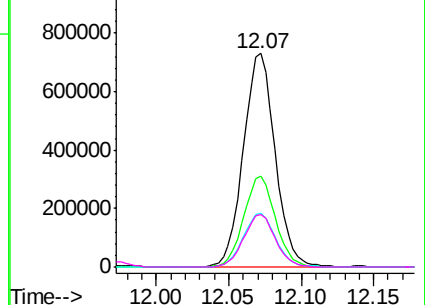
61 24.7 19.9 29.9

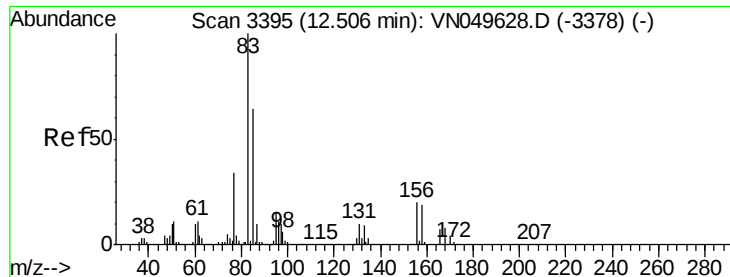
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 57.518 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Instrument :

MSVOA_N

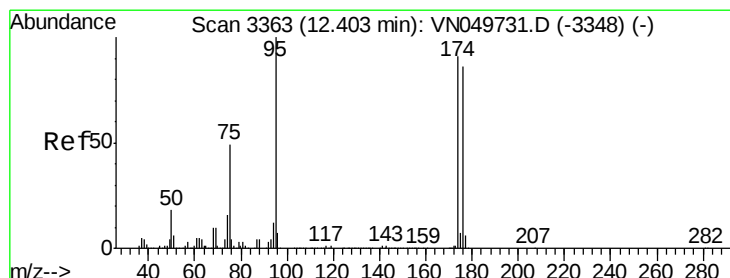
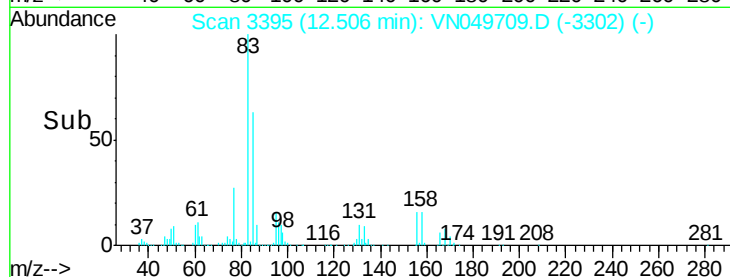
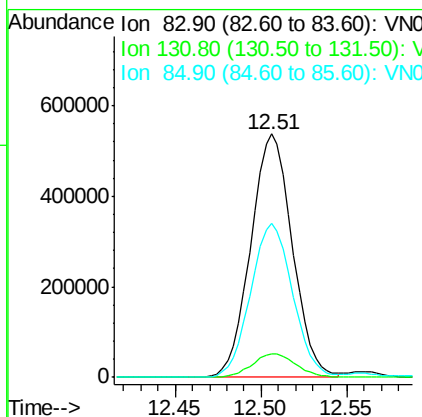
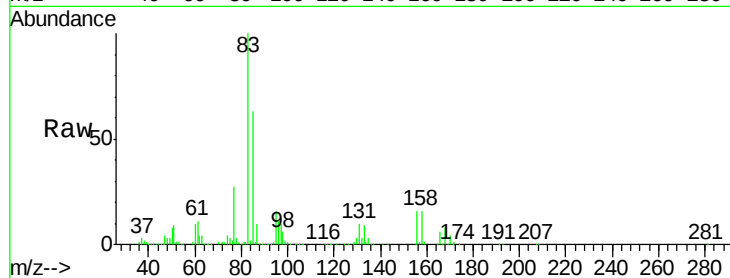
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	899814
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	64.0	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.225 ug/l m

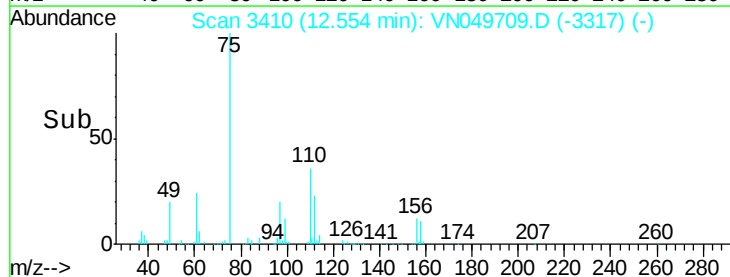
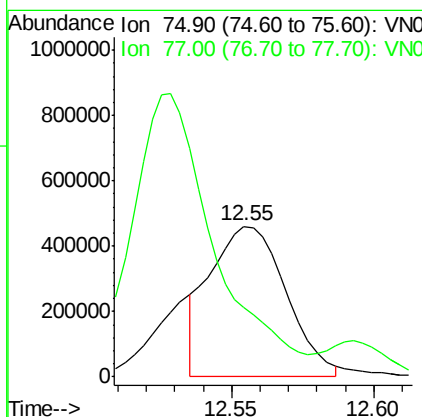
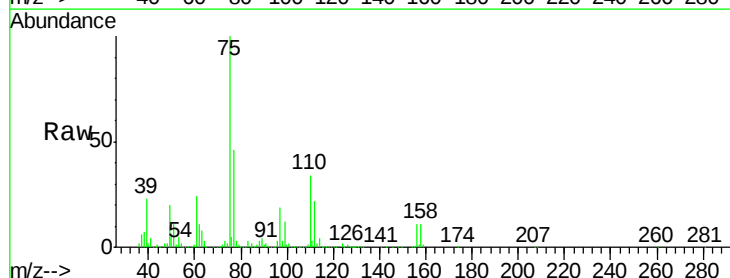
RT: 12.55 min Scan# 3410

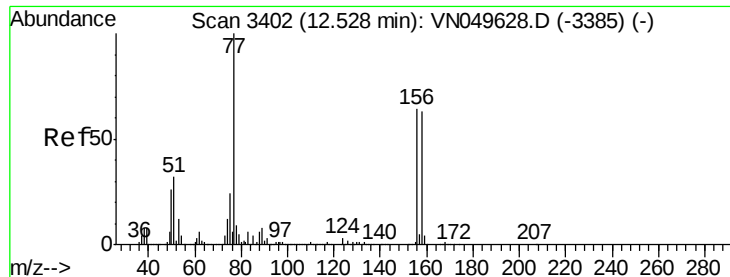
Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Tgt Ion:	75	Resp:	855918
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.019 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Instrument :

MSVOA_N

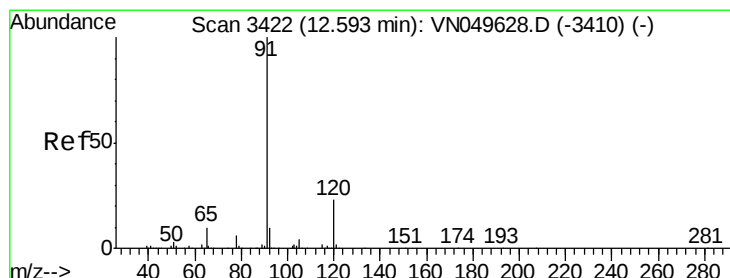
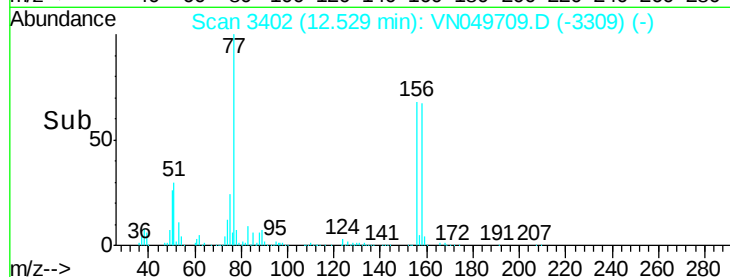
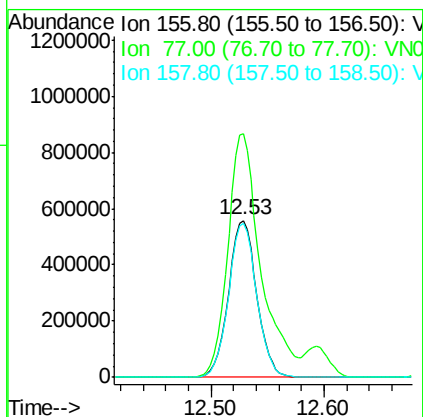
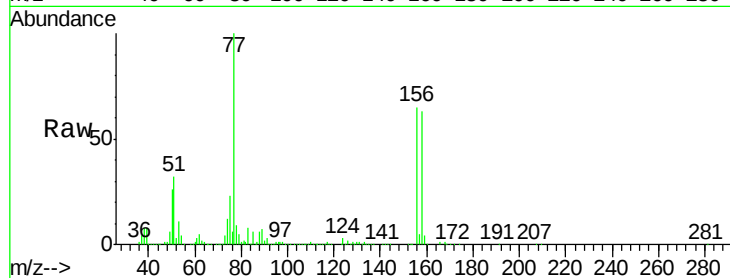
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	966680
Ion Ratio	Lower	Upper	
156	100		
77	181.0	90.2	270.6
158	98.2	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 52.203 ug/l

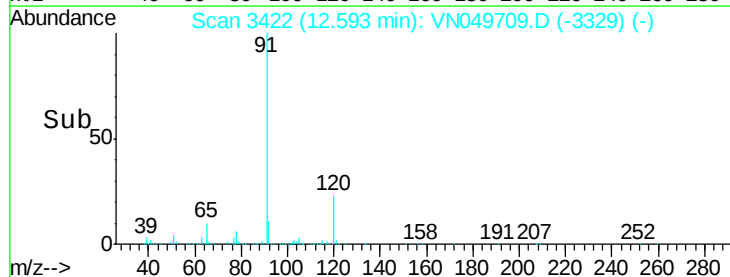
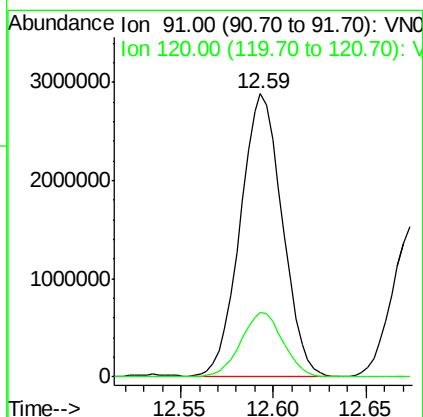
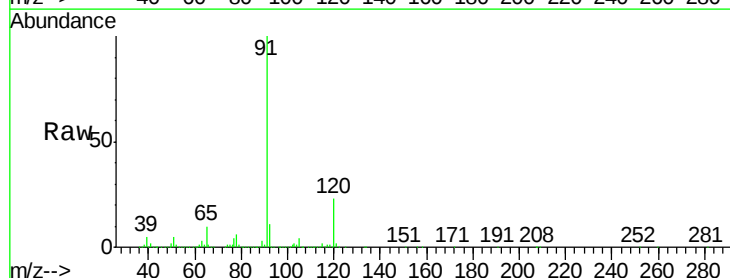
RT: 12.59 min Scan# 3422

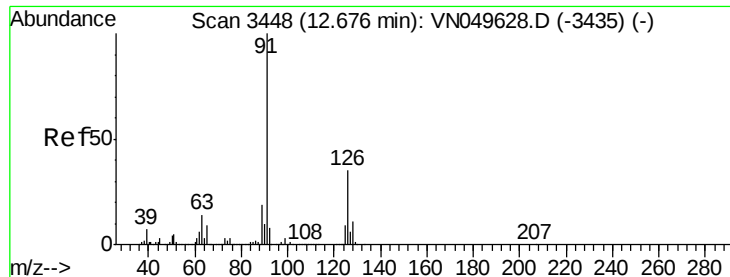
Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Tgt Ion:	91	Resp:	4523495
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.4





#79

2-Chlorotoluene

Concen: 48.618 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2666243

Ion Ratio Lower Upper

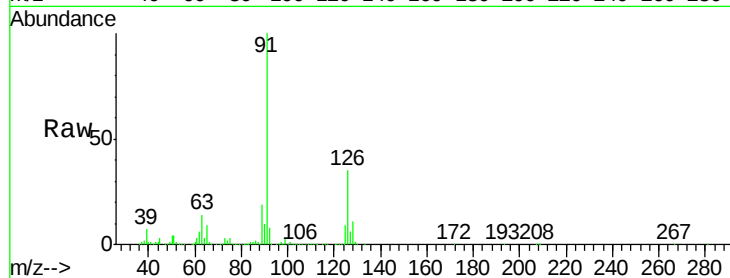
91 100

126 34.7 17.5 52.5

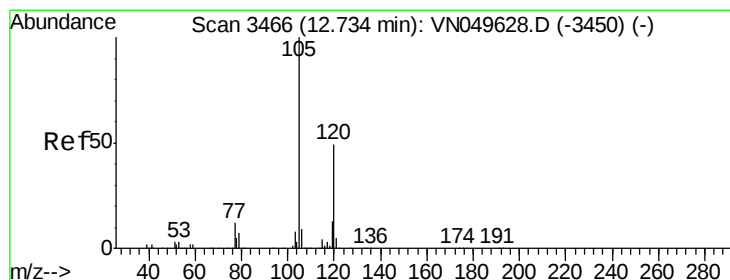
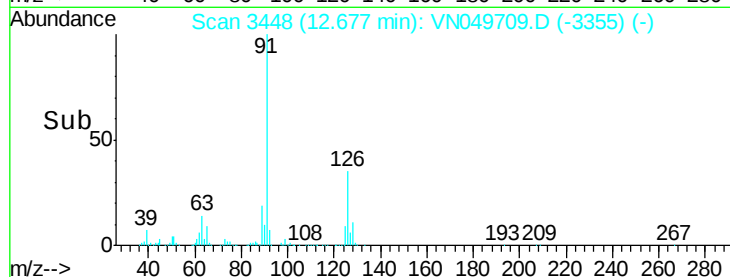
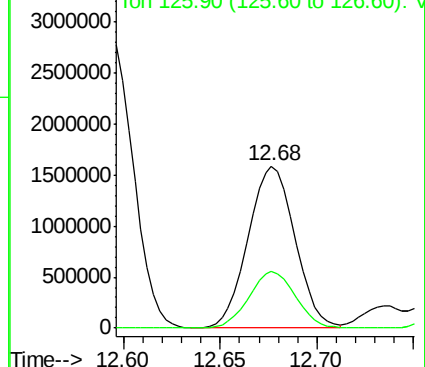
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN049628.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.162 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049709.D

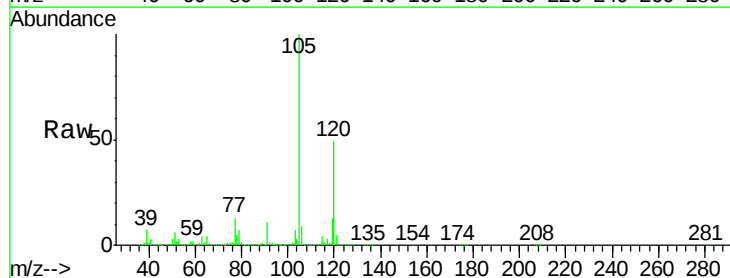
Acq: 5 Jul 2018 13:19

Tgt Ion: 105 Resp: 3277276

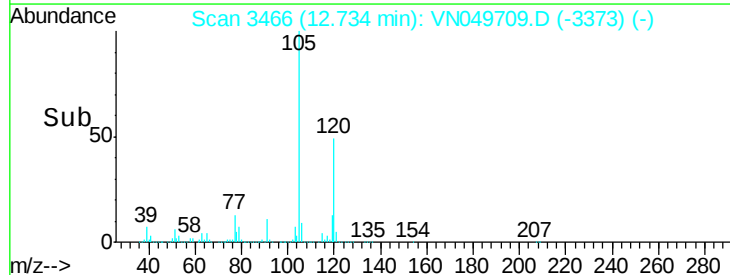
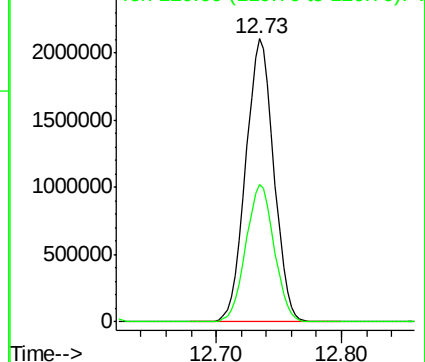
Ion Ratio Lower Upper

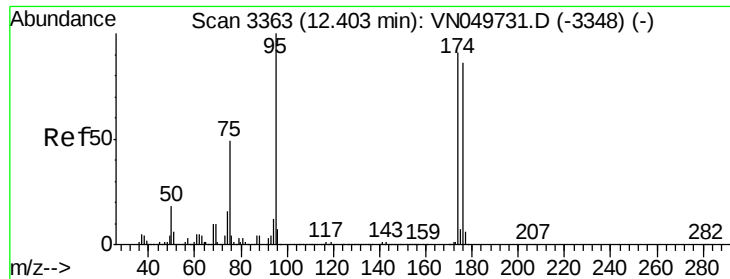
105 100

120 48.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049628.D (-3450) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 44.835 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Instrument :

MSVOA_N

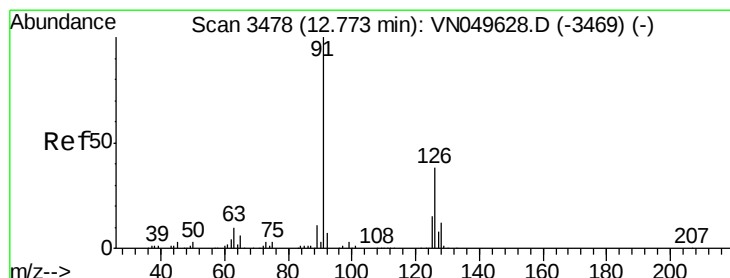
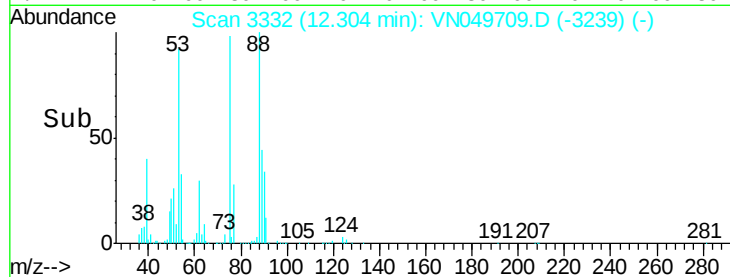
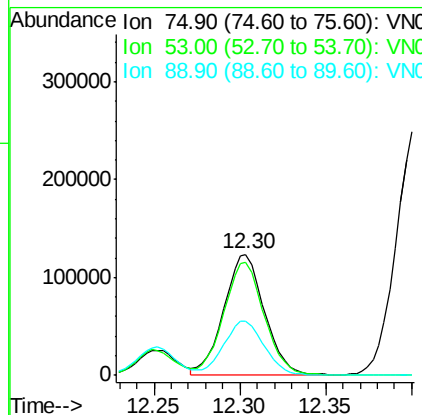
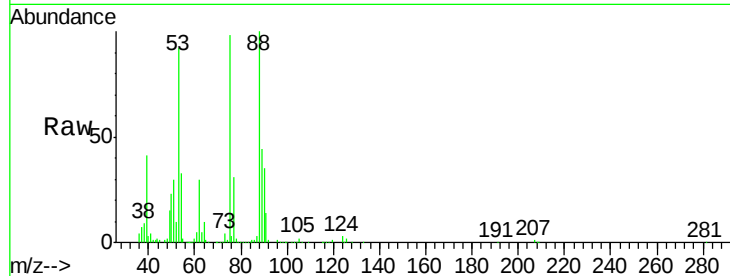
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	200951
Ion	Ratio	Lower	Upper
75	100		
53	94.8	73.9	110.9
89	46.2	35.9	53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.173 ug/l

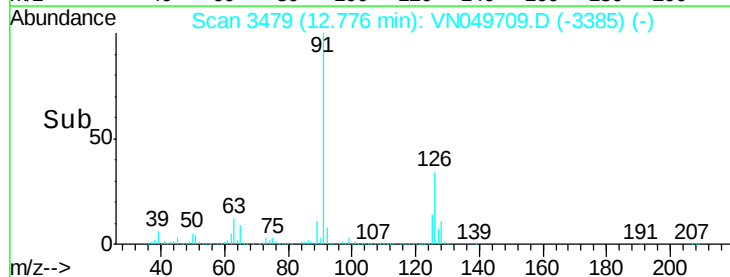
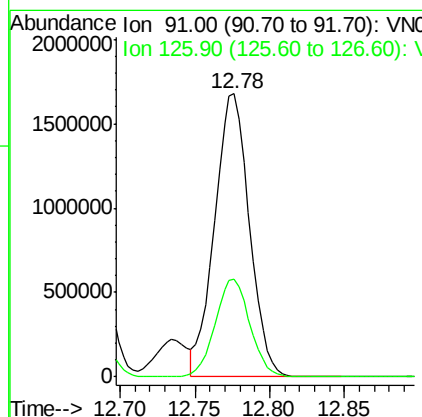
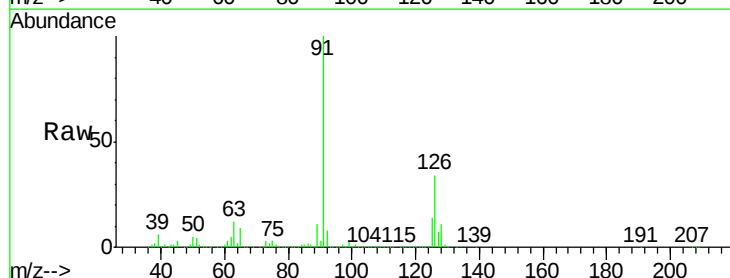
RT: 12.78 min Scan# 3479

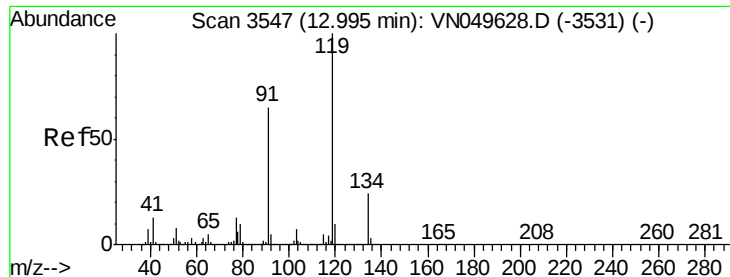
Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Tgt Ion:	91	Resp:	2711439
Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.2	51.6





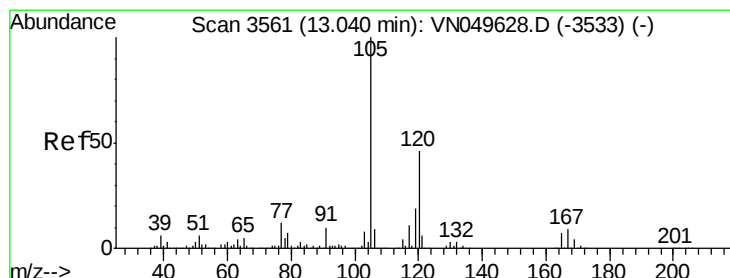
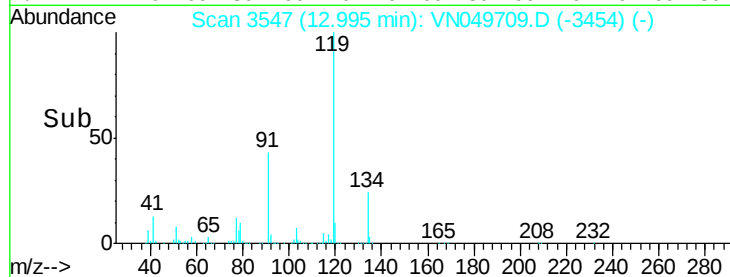
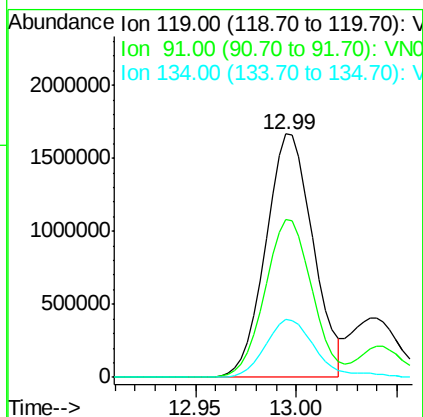
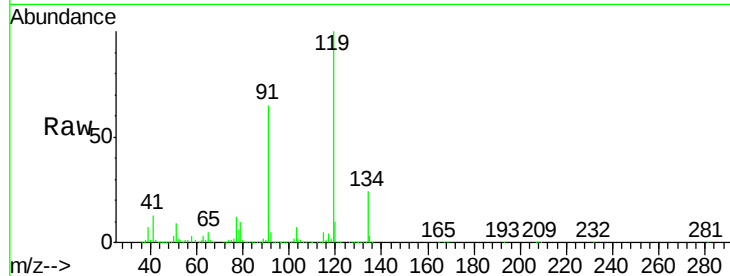
#83
tert-Butylbenzene
Concen: 50.279 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.7	32.0	96.2
134	25.4	12.8	38.4

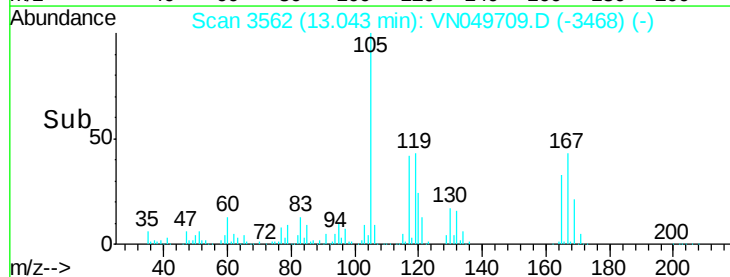
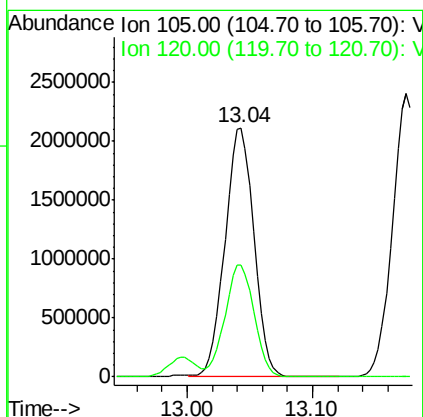
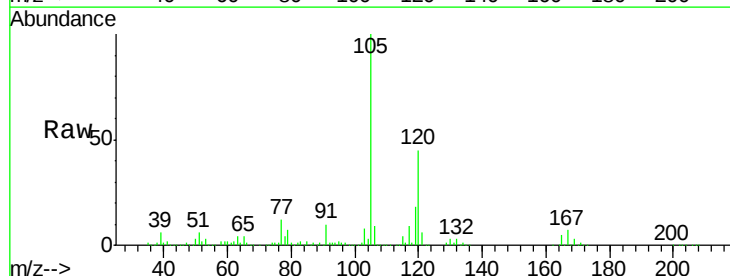
Manual Integrations
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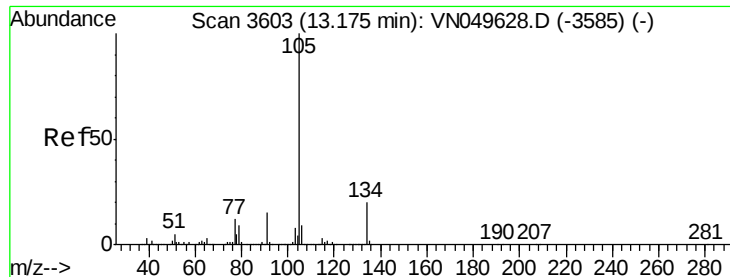
sam
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#84
1,2,4-Trimethylbenzene
Concen: 52.299 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.7	68.1





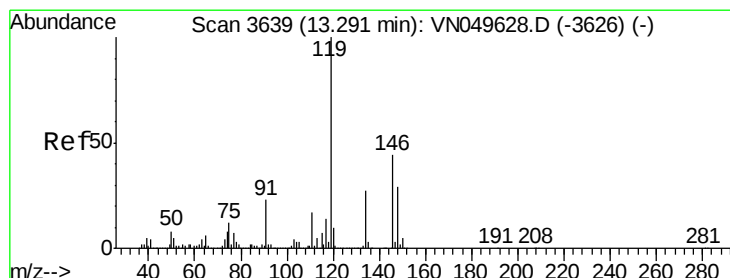
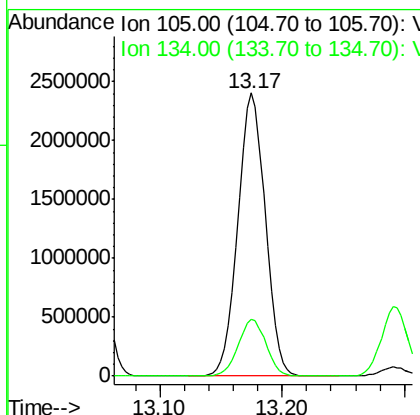
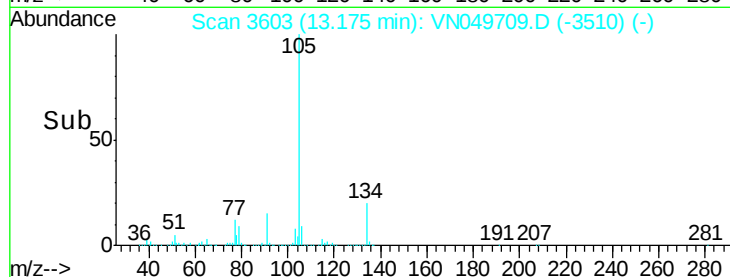
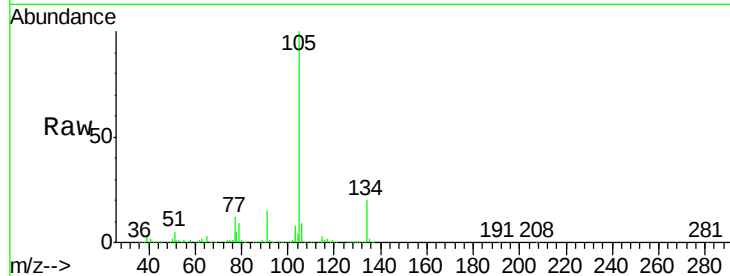
#85
 sec-Butylbenzene
 Concen: 52.113 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN049709.D
 Acq: 5 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 3726544
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.1

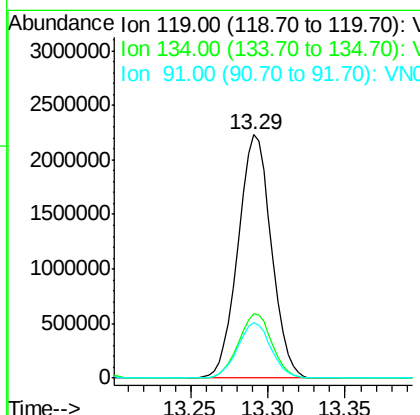
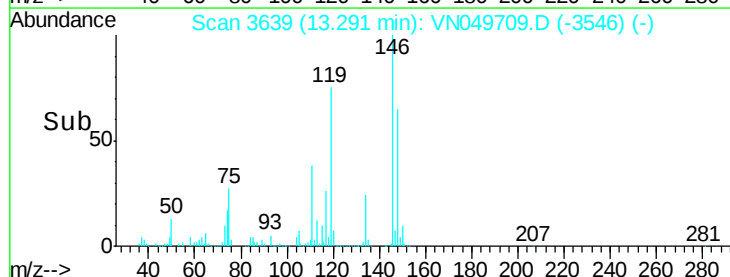
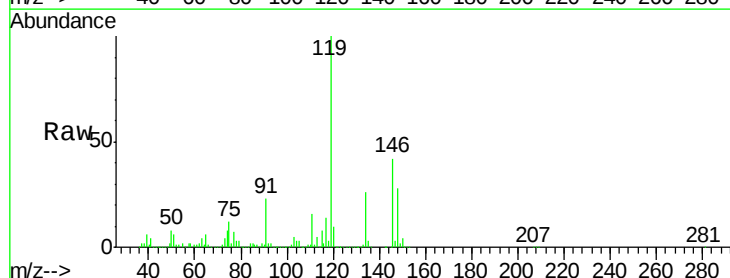
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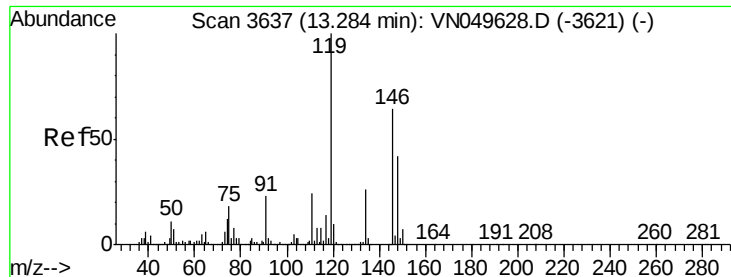
sam
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#86
 p-Isopropyltoluene
 Concen: 53.784 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN049709.D
 Acq: 5 Jul 2018 13:19

Tgt Ion:119 Resp: 3331291
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.9
 91 22.6 11.4 34.1





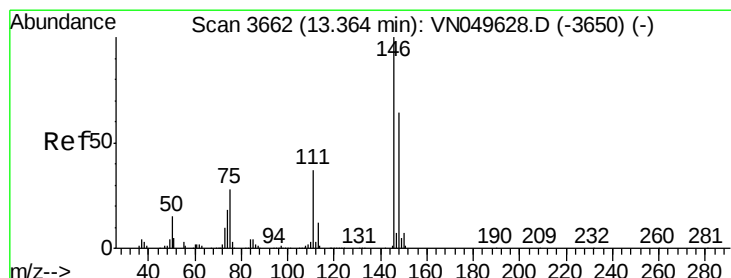
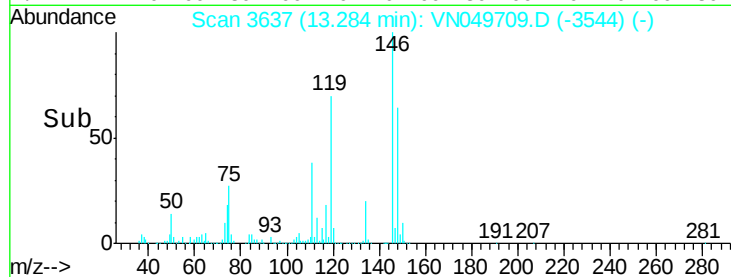
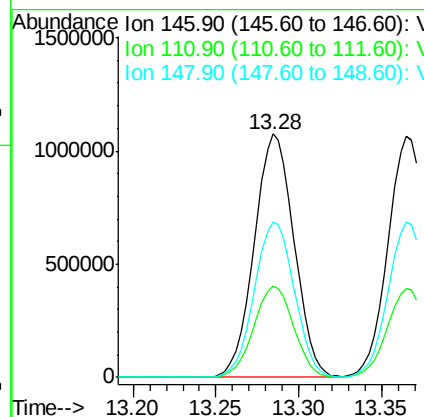
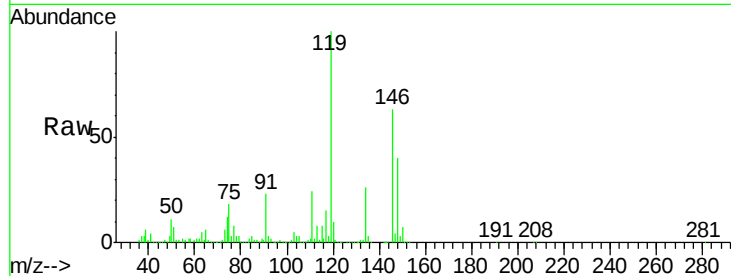
#87
 1,3-Dichlorobenzene
 Concen: 51.482 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049709.D
 Acq: 5 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.0	57.0
148	64.2	32.5	97.5

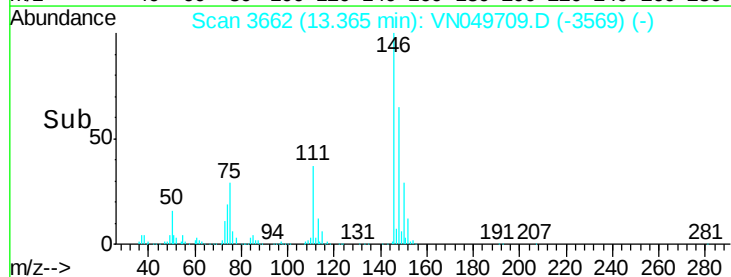
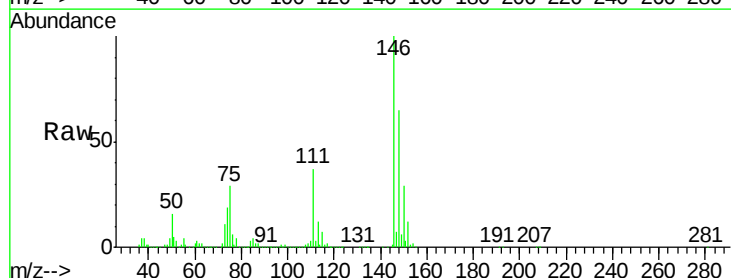
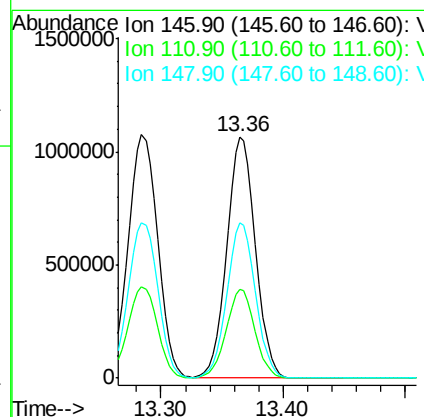
Manual Integrations
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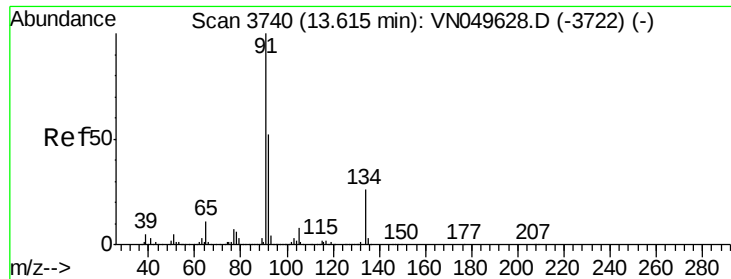
sam
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#88
 1,4-Dichlorobenzene
 Concen: 51.206 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049709.D
 Acq: 5 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.5
148	64.5	32.1	96.3





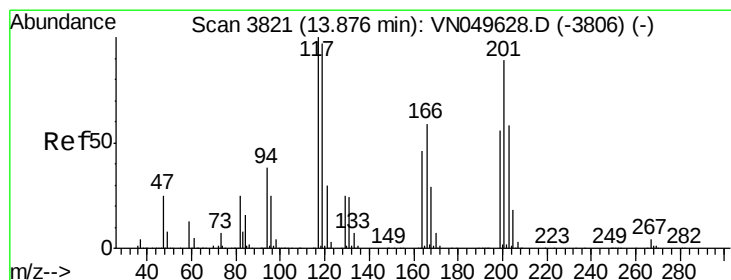
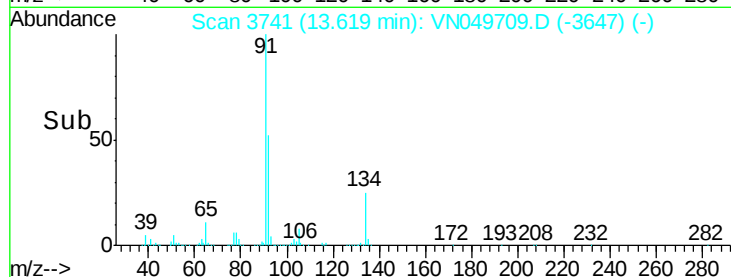
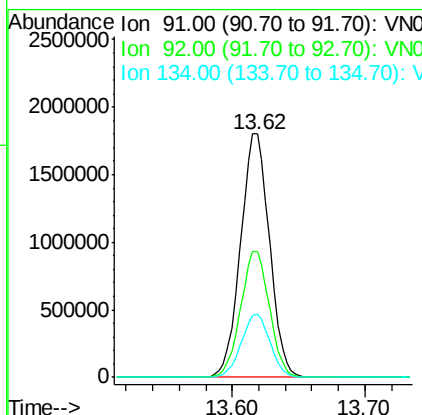
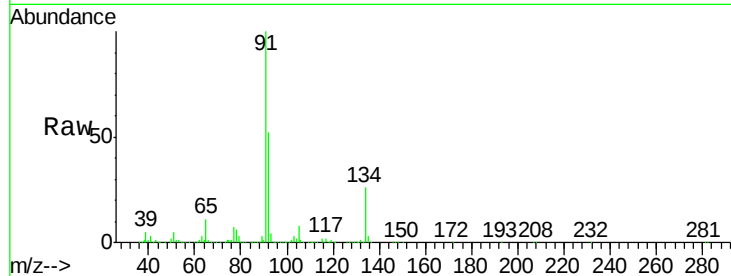
#89
n-Butylbenzene
Concen: 51.356 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.8	77.3
134	25.8	13.0	38.9

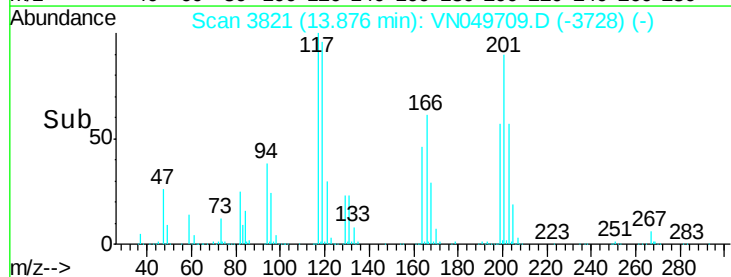
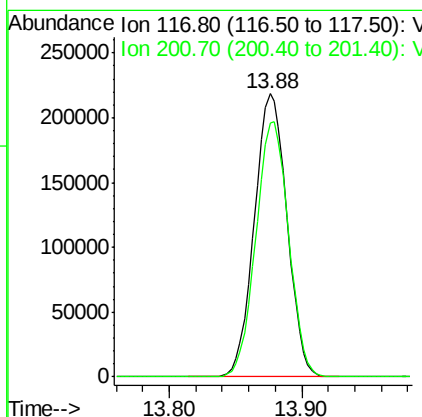
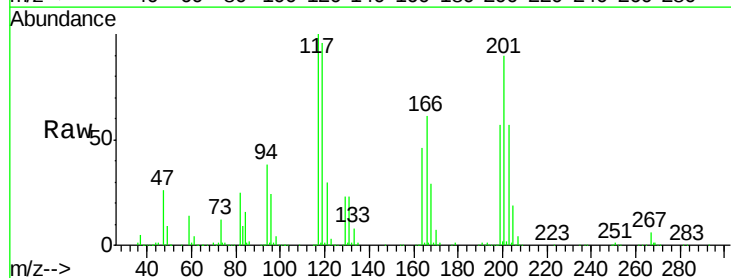
Manual Integrations
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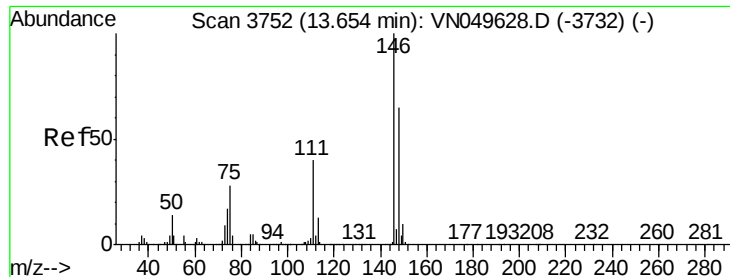
sam
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#90
Hexachloroethane
Concen: 57.485 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049709.D
Acq: 5 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.2	45.3	135.8





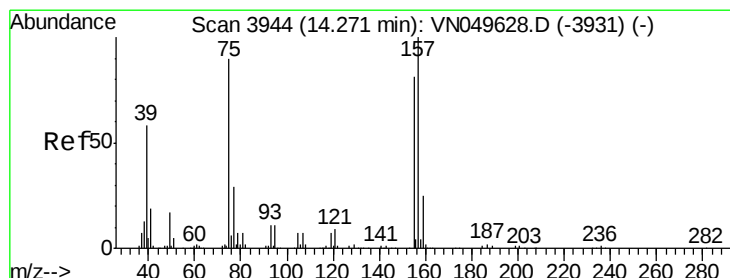
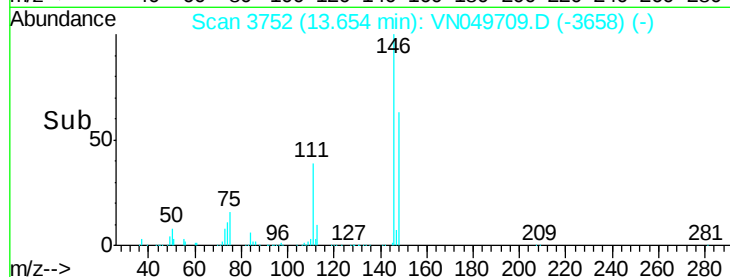
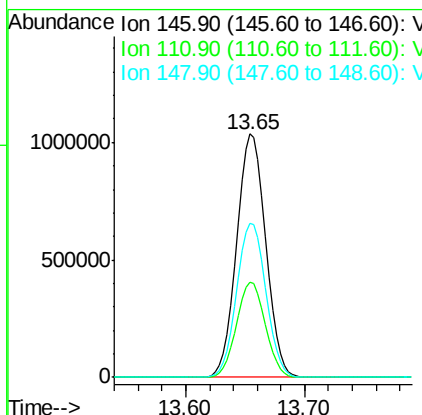
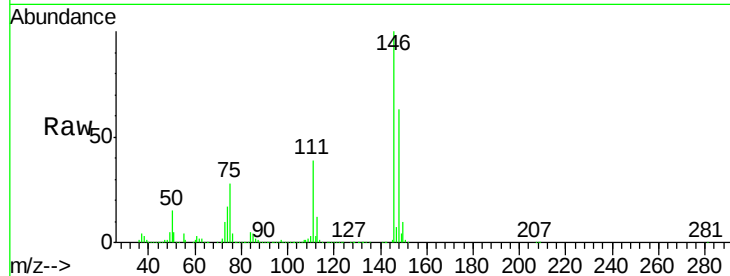
#91
 1,2-Dichlorobenzene
 Concen: 52.444 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049709.D
 Acq: 5 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.1
148	63.9	32.0	96.2

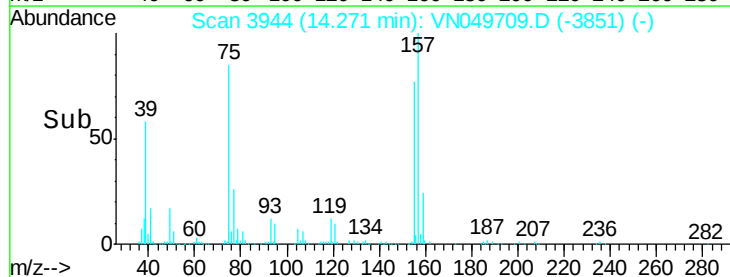
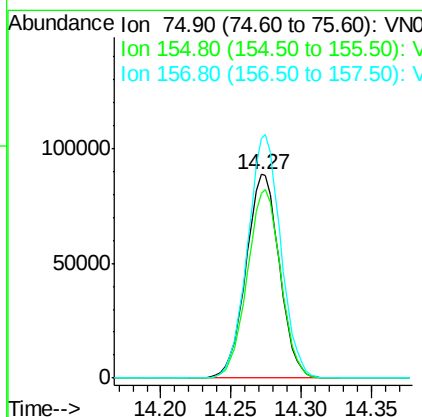
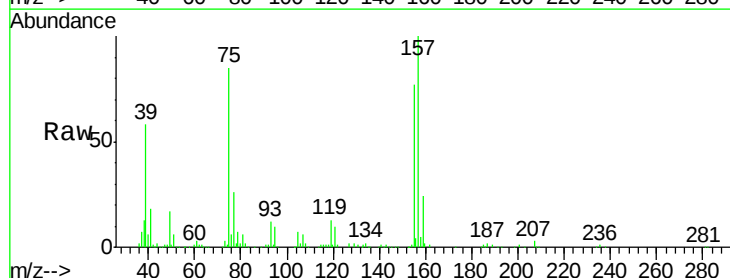
Manual Integrations
 APPROVED

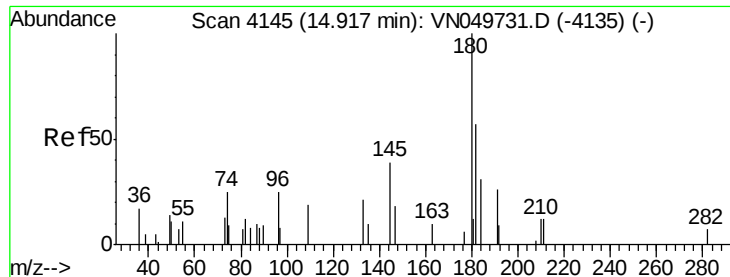
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.287 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049709.D
 Acq: 5 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.8	45.7	137.1
157	117.9	56.9	170.7





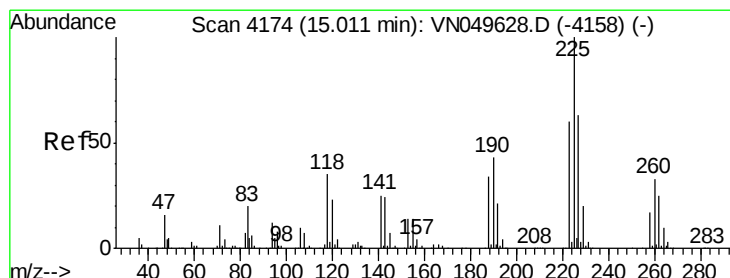
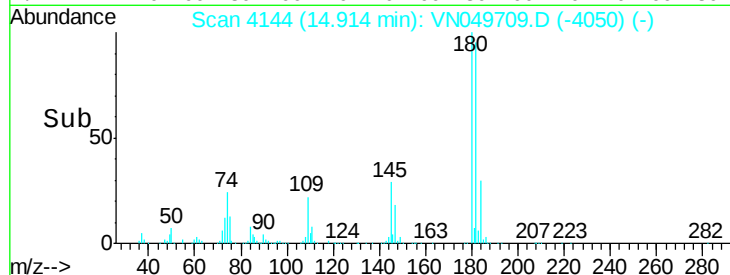
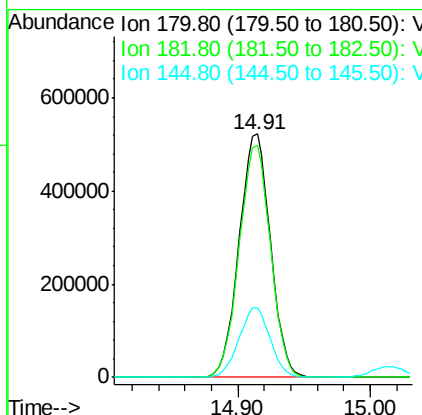
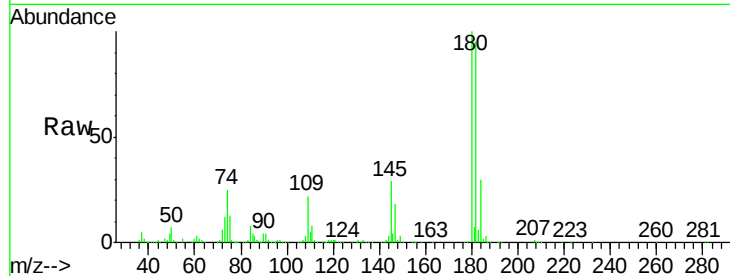
#93
 1,2,4-Trichlorobenzene
 Concen: 49.048 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049709.D
 Acq: 5 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	47.3	141.9	
145	28.4	14.4	43.0	

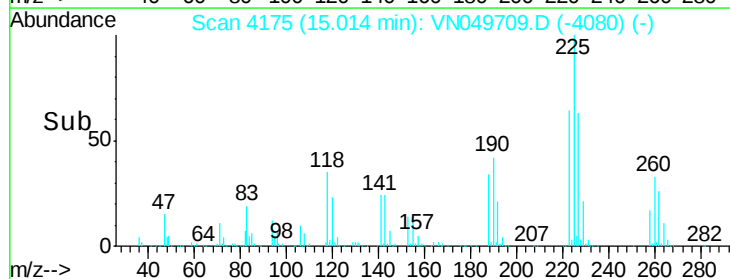
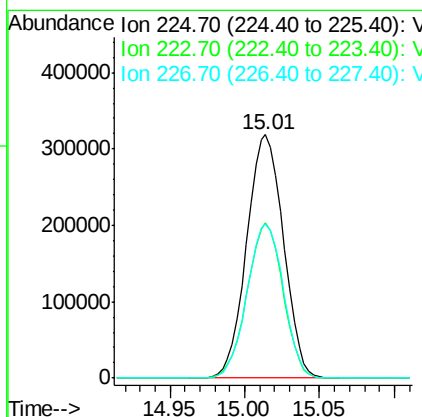
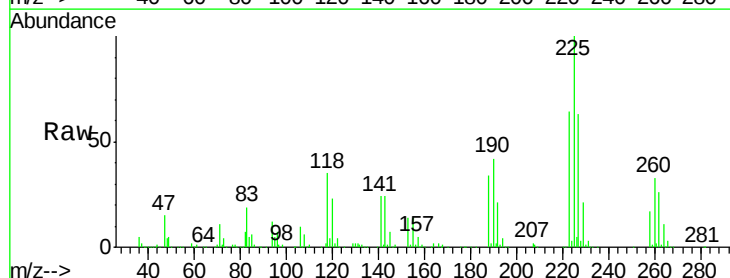
Manual Integrations
 APPROVED

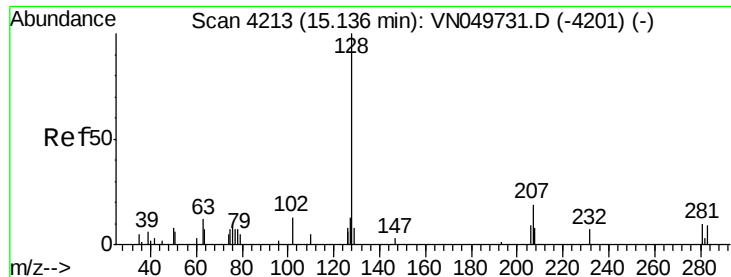
sam
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#94
 Hexachlorobutadiene
 Concen: 54.192 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049709.D
 Acq: 5 Jul 2018 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	30.9	92.7	
227	62.9	31.8	95.4	





#95

Naphthalene

Concen: 47.486 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1821978

Ion Ratio Lower Upper

128 100

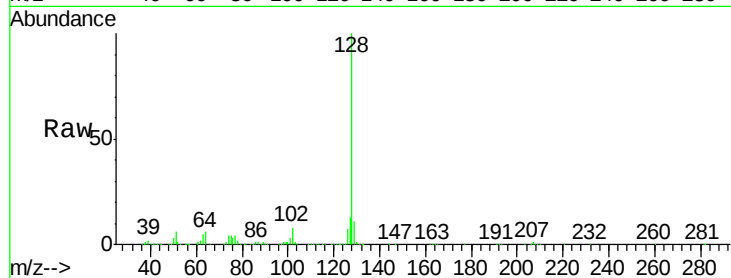
127 13.2 10.4 15.6

129 10.8 8.6 13.0

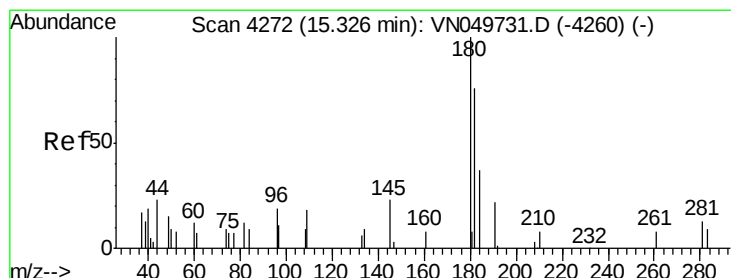
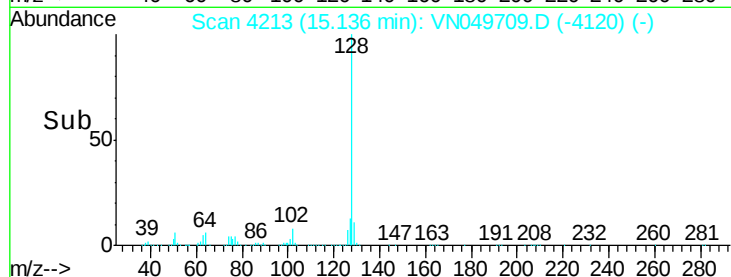
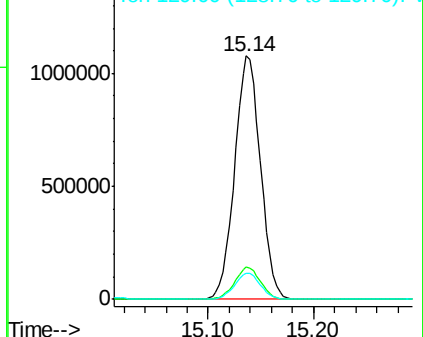
Manual Integrations
APPROVED

sam

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.713 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049709.D

Acq: 5 Jul 2018 13:19

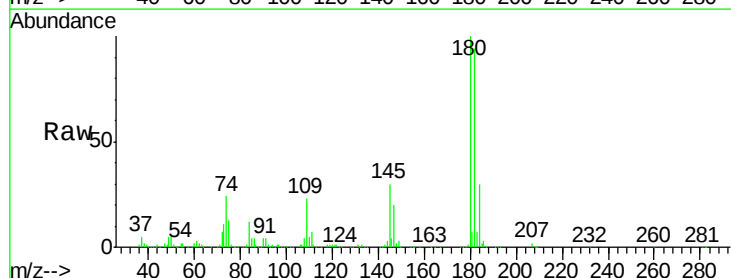
Tgt Ion:180 Resp: 842613

Ion Ratio Lower Upper

180 100

182 95.1 47.4 142.2

145 30.4 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

