

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050073.D
 Acq On : 26 Jul 2018 10:53
 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

MMDadoda
 7/27/2018 12:15:24 PM

Quant Time: Jul 27 01:36:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	708973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	994187	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	926978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	491060	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	456715	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
35) Dibromofluoromethane	7.59	113	407021	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	10.09	98	1555166	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
62) 4-Bromofluorobenzene	12.40	95	529289	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	494097	48.50	ug/l	99
3) Chloromethane	2.06	50	477221	43.10	ug/l	98
4) Vinyl Chloride	2.18	62	507472	43.52	ug/l	97
5) Bromomethane	2.56	94	313209	48.34	ug/l	100
6) Chloroethane	2.70	64	294676	42.08	ug/l	98
7) Trichlorofluoromethane	3.01	101	660618	43.73	ug/l	100
8) Diethyl Ether	3.41	74	219889	43.66	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	410961	45.24	ug/l	99
10) Methyl Iodide	3.95	142	545699	46.81	ug/l	99
11) Tert butyl alcohol	4.79	59	144311	198.28	ug/l	100
12) 1,1-Dichloroethene	3.73	96	358716	43.90	ug/l	98
13) Acrolein	3.61	56	84776	144.97	ug/l	98
14) Allyl chloride	4.32	41	579861	45.76	ug/l	100
15) Acrylonitrile	4.99	53	668726	210.60	ug/l	100
16) Acetone	3.82	43	585411	251.27	ug/l	98
17) Carbon Disulfide	4.05	76	1071117	42.79	ug/l	100
18) Methyl Acetate	4.33	43	409856	45.06	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1001007	45.97	ug/l	99
20) Methylene Chloride	4.55	84	409336	46.59	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	383720	44.32	ug/l	99
22) Diisopropyl ether	5.95	45	1214515	48.34	ug/l	99
23) Vinyl Acetate	5.90	43	4084484	230.06	ug/l	99
24) 1,1-Dichloroethane	5.85	63	720118	43.83	ug/l	100
25) 2-Butanone	6.84	43	839776	222.57	ug/l	100
26) 2,2-Dichloropropane	6.82	77	618374	49.48	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	432280	46.38	ug/l	99
28) Bromochloromethane	7.19	49	352485	47.04	ug/l	99
29) Tetrahydrofuran	7.21	42	510488	209.38	ug/l	99
30) Chloroform	7.37	83	732963	43.72	ug/l	99
31) Cyclohexane	7.65	56	639934	46.97	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	638592	44.53	ug/l	100
36) 1,1-Dichloropropene	7.79	75	570037	50.89	ug/l	99
37) Ethyl Acetate	6.93	43	349079	44.70	ug/l	99
38) Carbon Tetrachloride	7.77	117	570420	47.99	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	627968	54.50	ug/l	98
40) Benzene	8.04	78	1664996	48.85	ug/l	100
41) Methacrylonitrile	7.18	41	181949	45.02	ug/l	85
42) 1,2-Dichloroethane	8.12	62	528330	46.46	ug/l	100
43) Isopropyl Acetate	8.17	43	665479	45.11	ug/l	99
44) Trichloroethene	8.84	130	440390	48.08	ug/l	100
45) 1,2-Dichloropropane	9.12	63	438350	48.56	ug/l	98
46) Dibromomethane	9.21	93	264604	47.20	ug/l	99
47) Bromodichloromethane	9.40	83	569933	48.17	ug/l	100
48) Methyl methacrylate	9.20	41	326316	48.52	ug/l	100
49) 1,4-Dioxane	9.20	88	85721	936.55	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1792085	233.44	ug/l	99
52) Toluene	10.16	92	1037919	51.59	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	584753	52.38	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	663076	51.97	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	377852	47.35	ug/l	98
56) Ethyl methacrylate	10.43	69	483422	44.93	ug/l	99
57) 1,3-Dichloropropane	10.71	76	632881	48.70	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1176870	233.60	ug/l	100
59) 2-Hexanone	10.75	43	1255627	223.15	ug/l	99
60) Dibromochloromethane	10.90	129	440540	49.86	ug/l	100
61) 1,2-Dibromoethane	11.01	107	378504	47.80	ug/l	99
64) Tetrachloroethene	10.63	164	426931	47.90	ug/l	98
65) Chlorobenzene	11.44	112	1128356	48.19	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	426723	47.43	ug/l	99
67) Ethyl Benzene	11.51	91	1970028	52.38	ug/l	100
68) m/p-Xylenes	11.62	106	1517338	106.65	ug/l	100
69) o-Xylene	11.95	106	720714	53.14	ug/l	99
70) Styrene	11.97	104	1180852	48.97	ug/l	99
71) Bromoform	12.13	173	307584	47.00	ug/l #	100
73) Isopropylbenzene	12.25	105	1951468	51.24	ug/l	100
74) N-amyl acetate	12.07	43	536886	46.13	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	478176	46.90	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	413479m	45.31	ug/l	
77) Bromobenzene	12.53	156	492824	46.69	ug/l	100
78) n-propylbenzene	12.59	91	2273379	53.41	ug/l	100
79) 2-Chlorotoluene	12.68	91	1326159	50.26	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1613066	53.85	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	140795	48.93	ug/l	99
82) 4-Chlorotoluene	12.77	91	1337893	51.21	ug/l	99
83) tert-Butylbenzene	12.99	119	1382497	52.88	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1656676	54.87	ug/l	99
85) sec-Butylbenzene	13.17	105	1877379	53.75	ug/l	100
86) p-Isopropyltoluene	13.29	119	1639742	55.71	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	875460	48.93	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	855400	49.05	ug/l	99
89) n-Butylbenzene	13.62	91	1368337	56.53	ug/l	100
90) Hexachloroethane	13.88	117	306143	46.84	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	854564	47.78	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	74262	43.66	ug/l	97

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Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	452008	47.79	ug/l	98
94) Hexachlorobutadiene	15.01	225	275162	50.25	ug/l	100
95) Naphthalene	15.14	128	940324	42.64	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	436044	47.32	ug/l	100

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

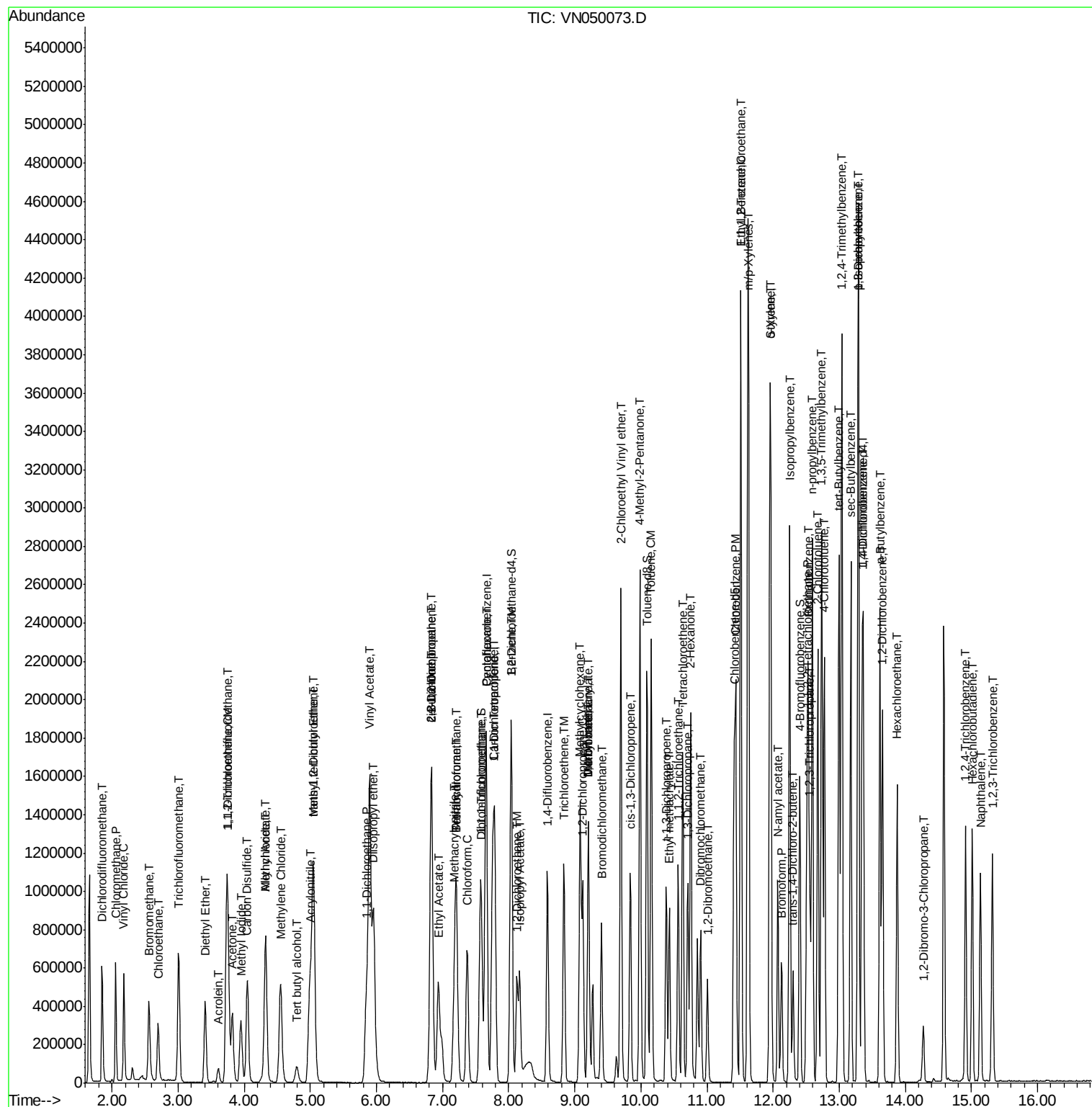
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
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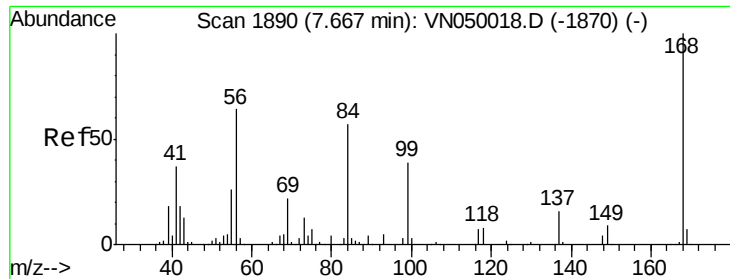
Instrument :
MSVOA_N
ClientSampleId :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 708973

Ion Ratio Lower Upper

168 100

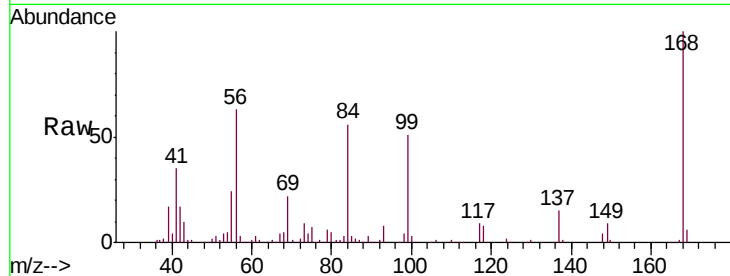
99 51.0 40.0 60.0

Manual Integrations

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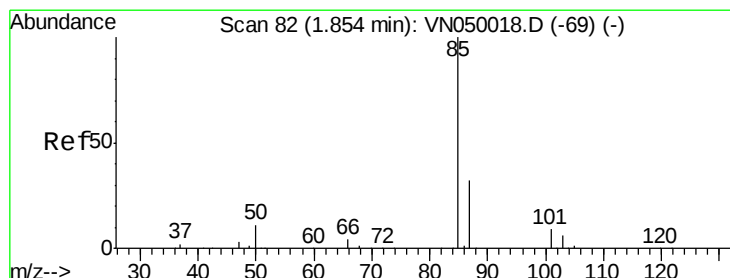
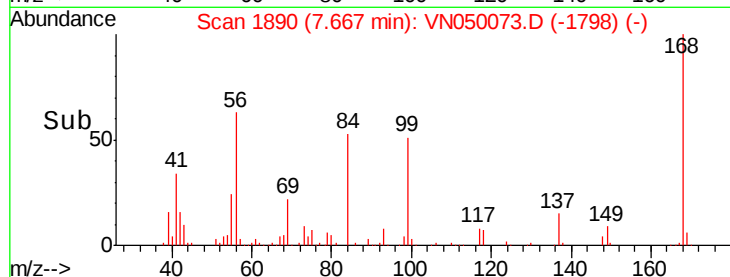
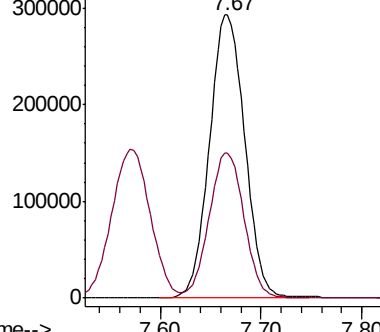
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 48.50 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050073.D

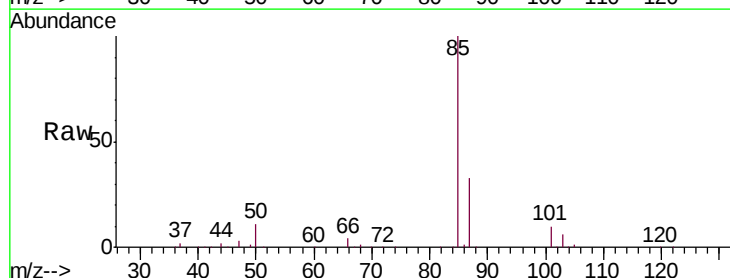
Acq: 26 Jul 2018 10:53

Tgt Ion: 85 Resp: 494097

Ion Ratio Lower Upper

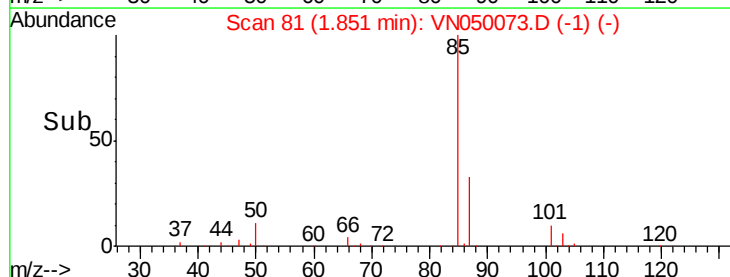
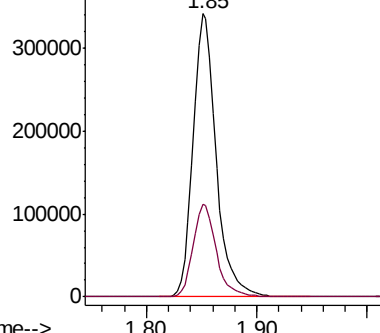
85 100

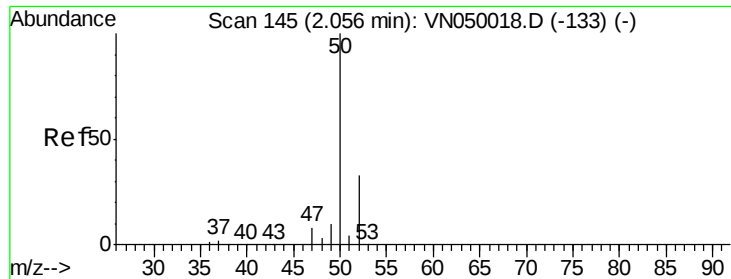
87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.10 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 477221

Ion Ratio Lower Upper

50 100

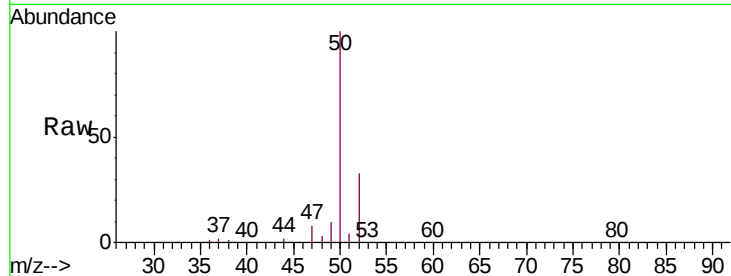
52 33.4 25.9 38.9

Manual Integrations

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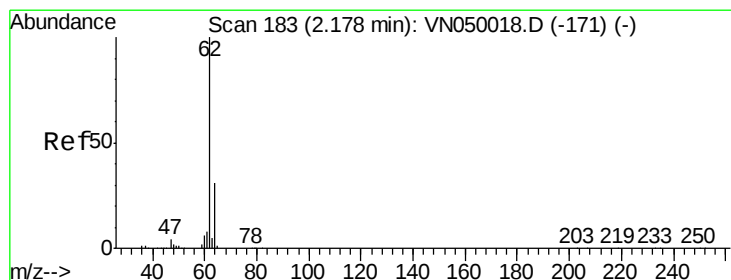
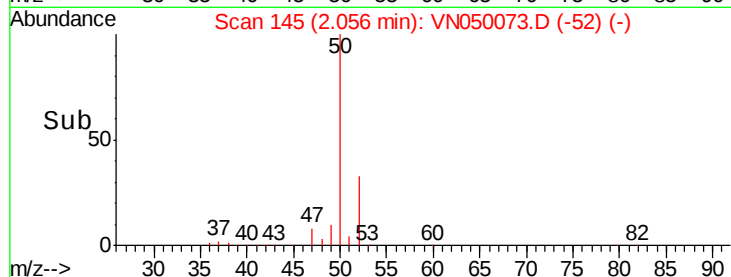
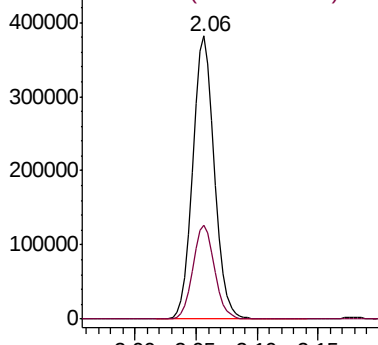
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 43.52 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050073.D

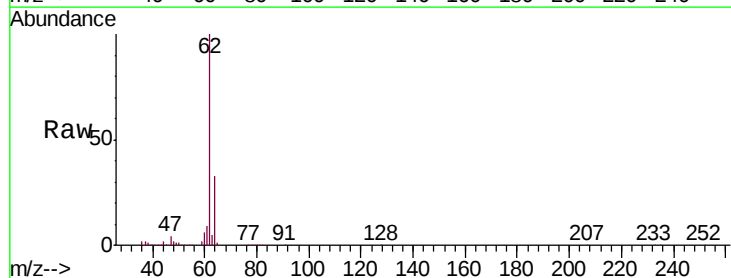
Acq: 26 Jul 2018 10:53

Tgt Ion: 62 Resp: 507472

Ion Ratio Lower Upper

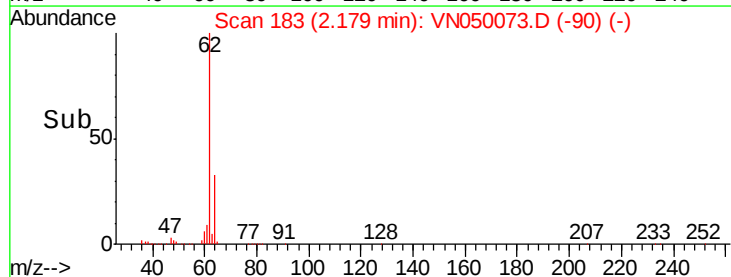
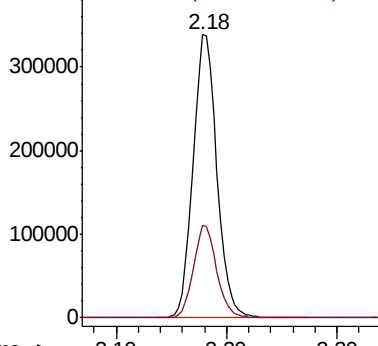
62 100

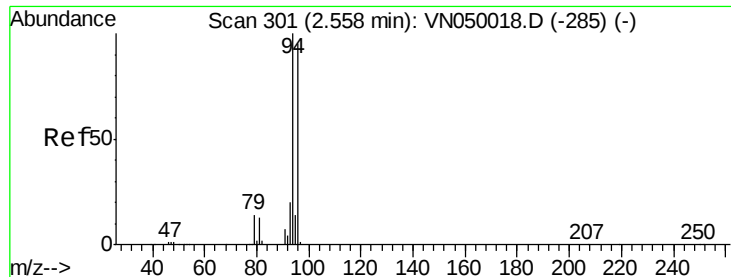
64 32.7 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 48.34 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

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Tot Ion: 94 Resp: 313209

Ion Ratio Lower Upper

94 100

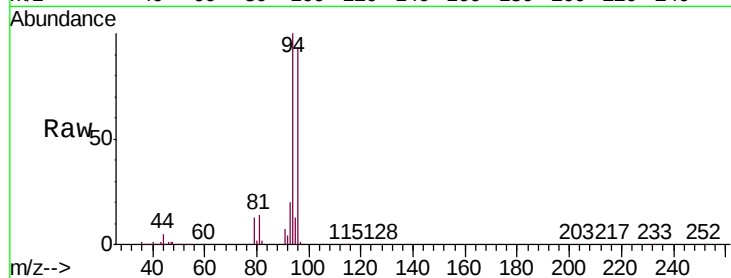
96 93.0 74.6 112.0

Manual Integrations

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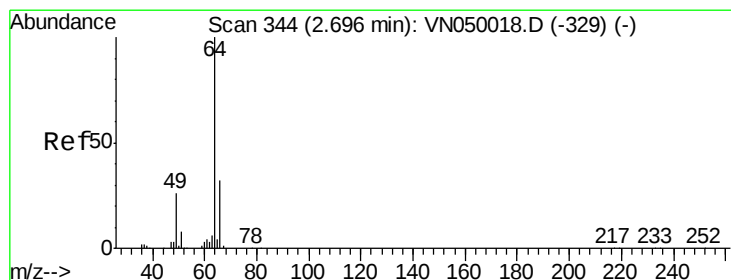
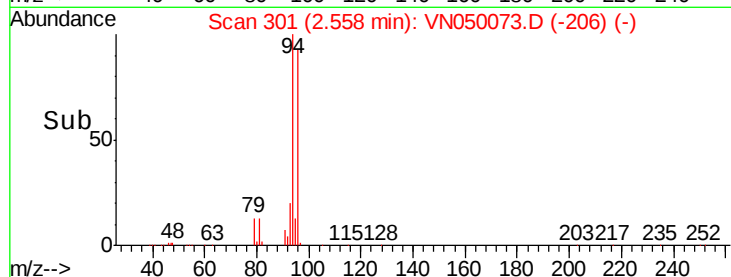
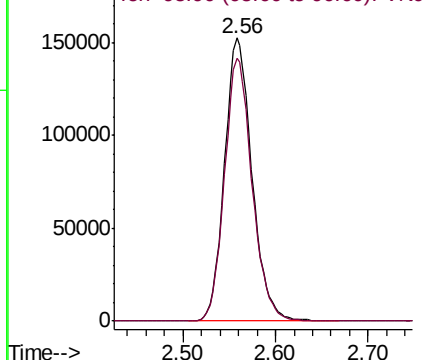
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 42.08 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050073.D

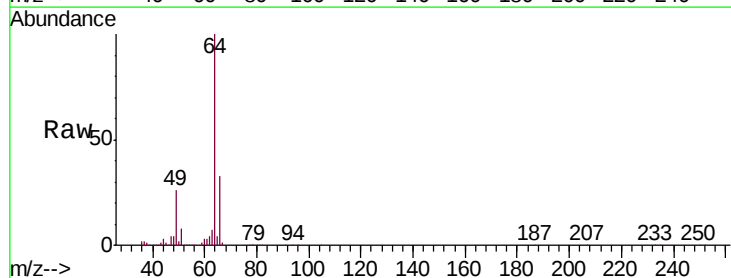
Acq: 26 Jul 2018 10:53

Tgt Ion: 64 Resp: 294676

Ion Ratio Lower Upper

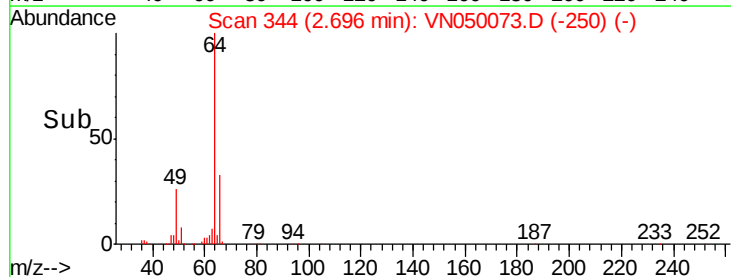
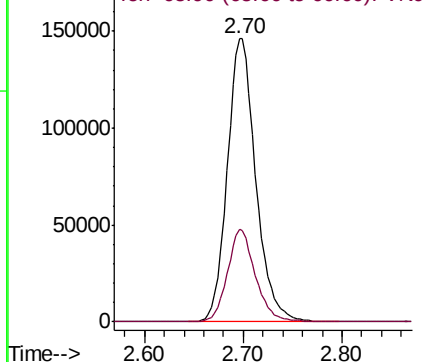
64 100

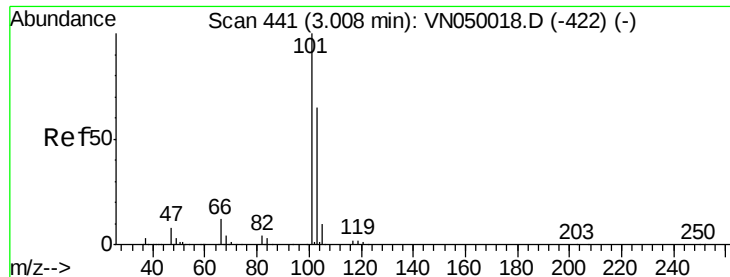
66 32.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

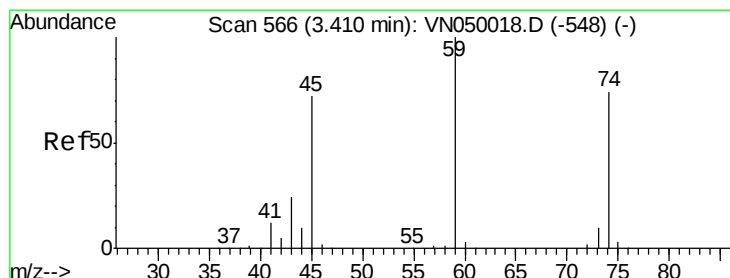
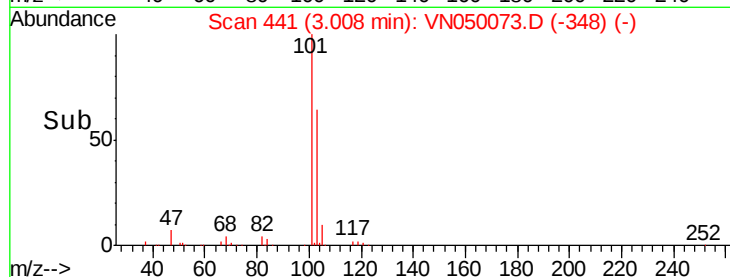
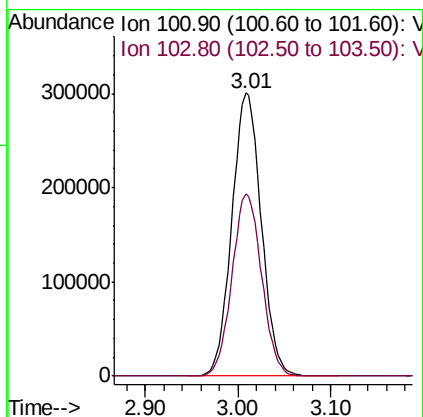
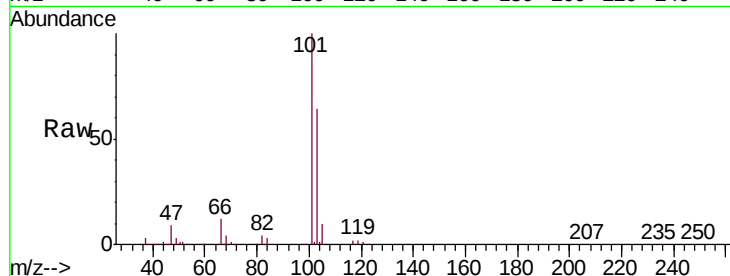
Trichlorofluoromethane
Concen: 43.73 ug/l
RT: 3.01 min Scan# 441
Delta R.T. 0.00 min
Lab File: VN050073.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.7	77.5

Manual Integrations
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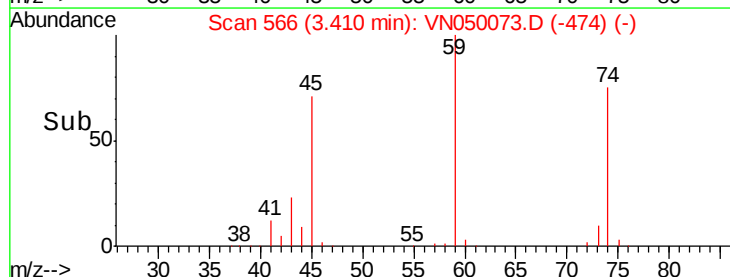
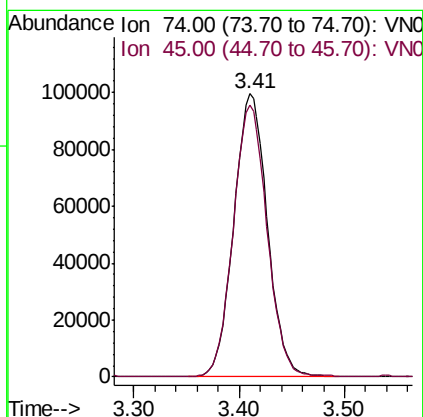
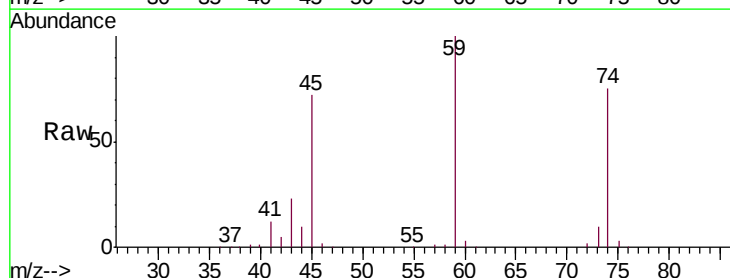
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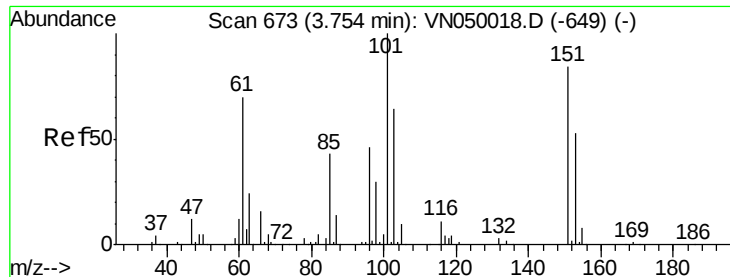


#8

Diethyl Ether
Concen: 43.66 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.24 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

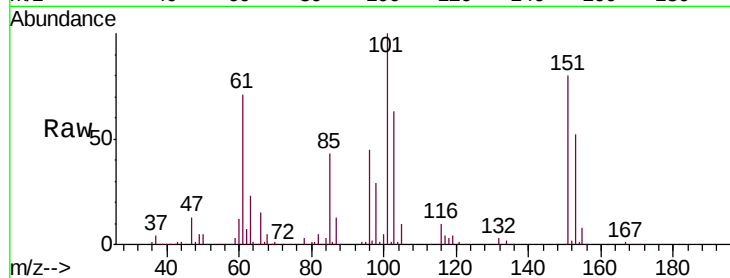
ClientSampleId :

VSTDCCC050

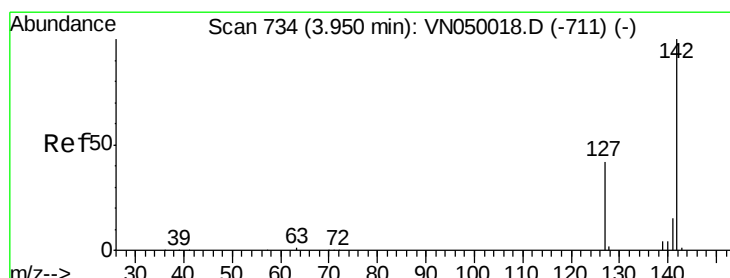
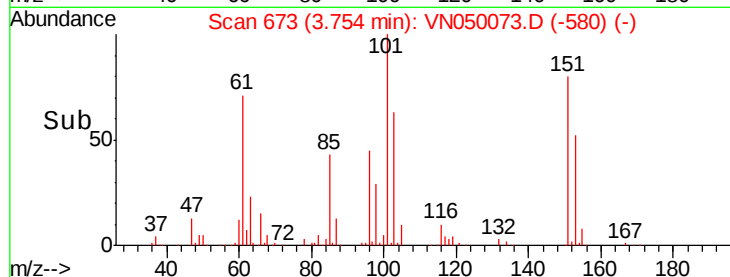
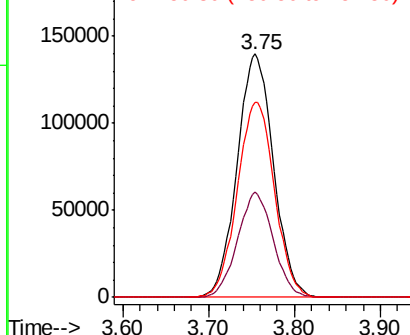
Tot Ion:	101	Resp:	410961
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.2
151	82.0	66.3	99.5

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.81 ug/l

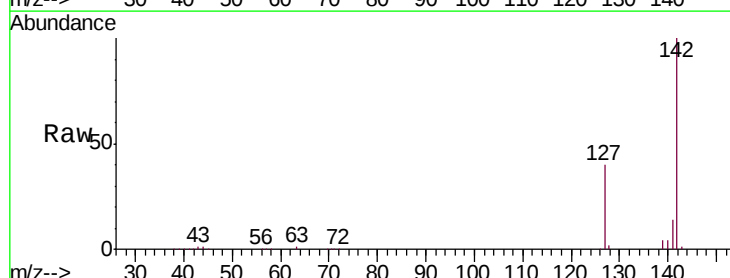
RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

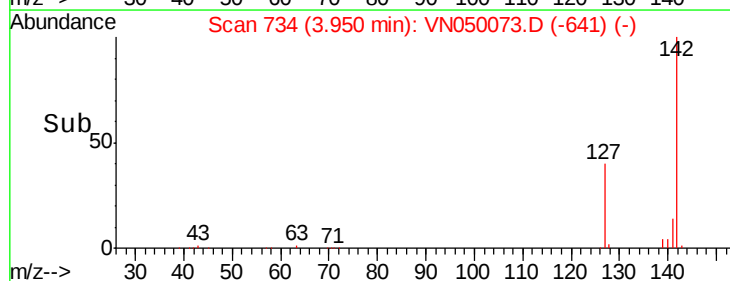
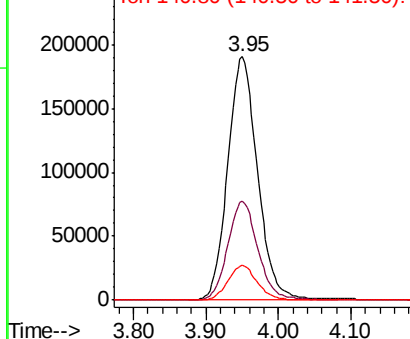
Lab File: VN050073.D

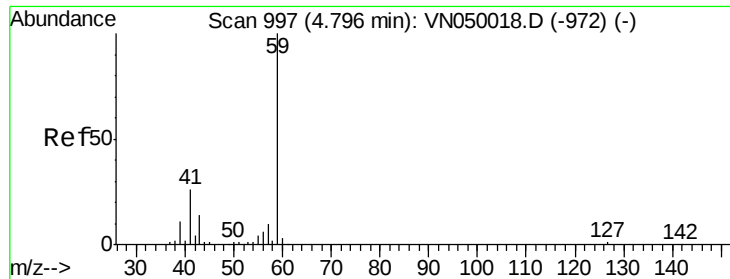
Acq: 26 Jul 2018 10:53

Tgt Ion:	142	Resp:	545699
Ion Ratio	Lower	Upper	
142	100		
127	41.0	33.4	50.2
141	14.1	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





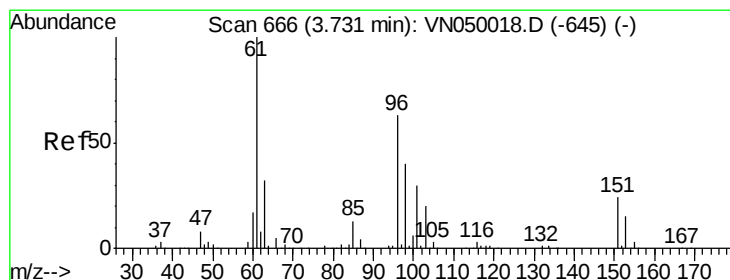
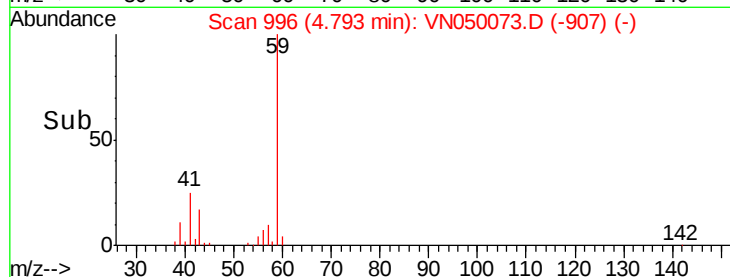
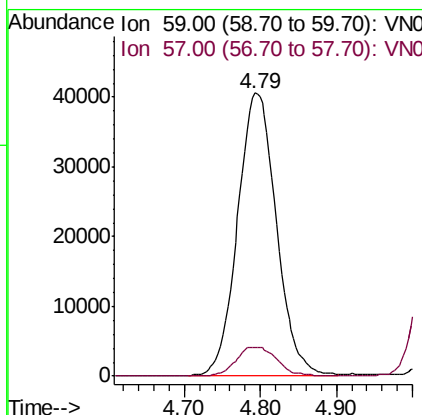
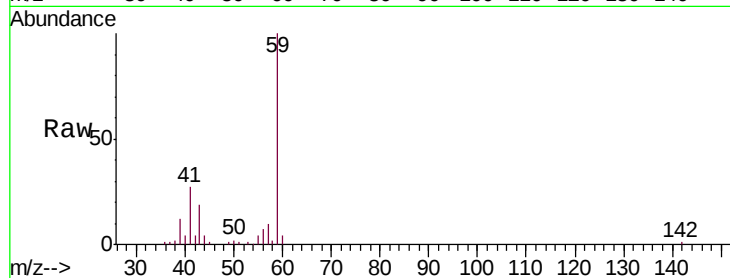
#11
Tert butyl alcohol
Concen: 198.28 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.01 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.5	12.7

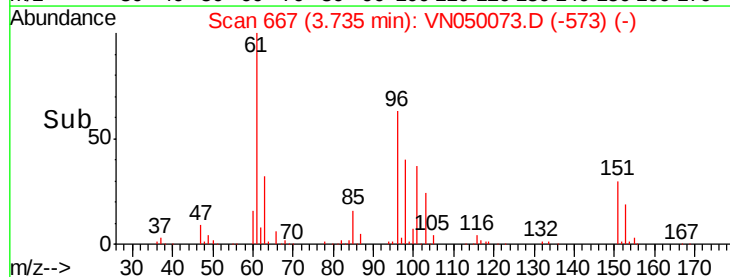
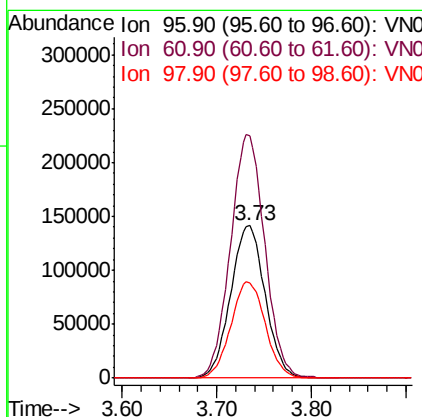
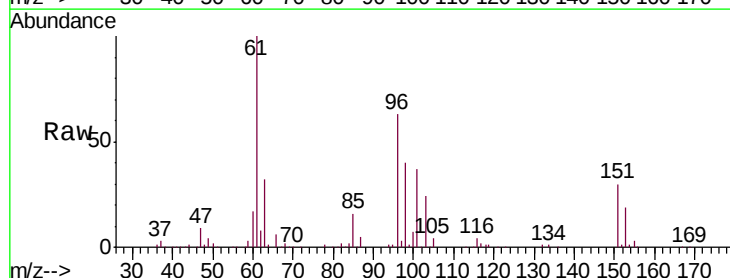
Manual Integrations
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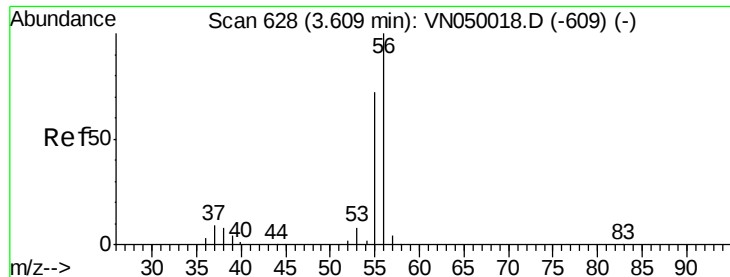
MMDadoda
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#12
1,1-Dichloroethene
Concen: 43.90 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.4	124.4	186.6
98	62.7	48.3	72.5





#13

Acrolein

Concen: 144.97 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 84776

Ion Ratio Lower Upper

56 100

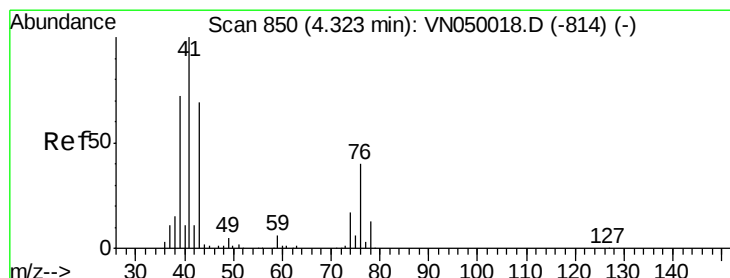
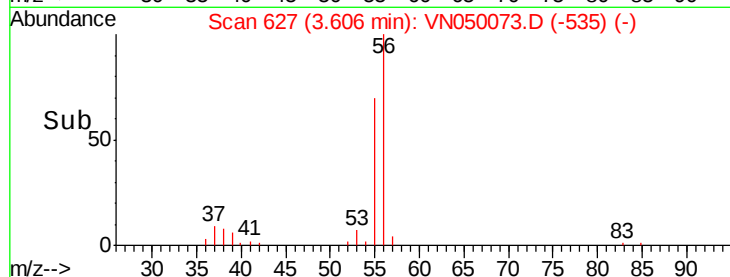
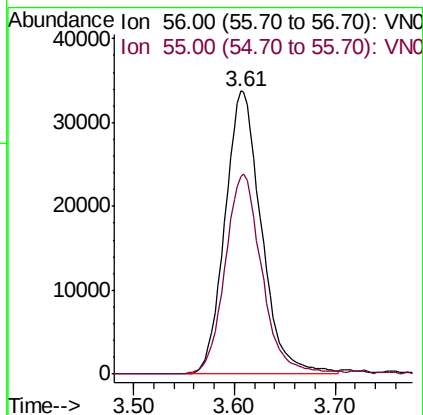
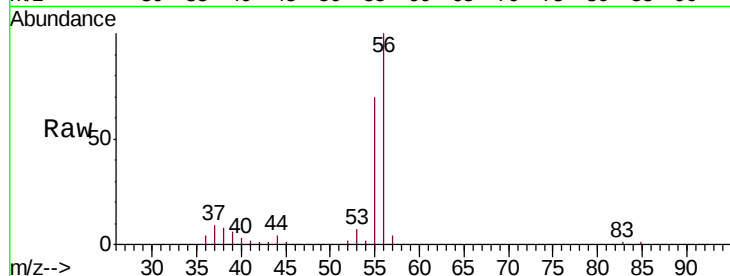
55 71.0 55.8 83.6

Manual Integrations

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#14

Allyl chloride

Concen: 45.76 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

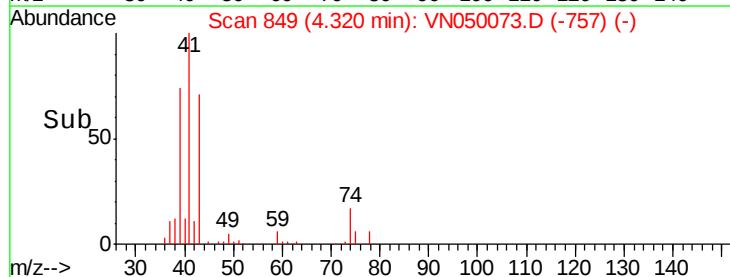
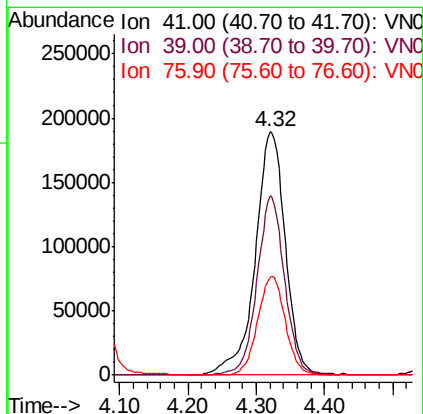
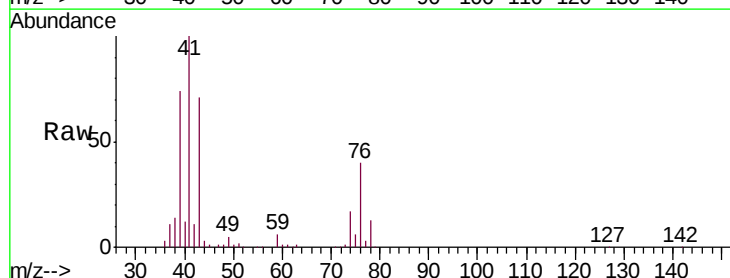
Tgt Ion: 41 Resp: 579861

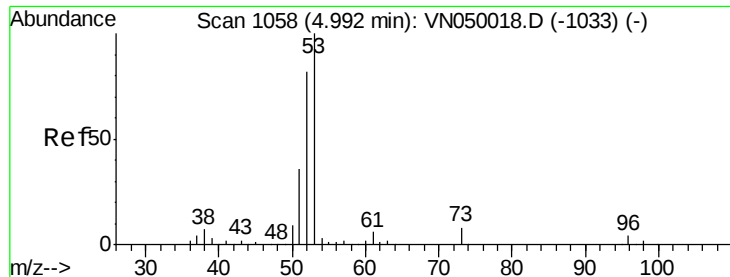
Ion Ratio Lower Upper

41 100

39 67.7 54.2 81.4

76 36.8 29.0 43.6





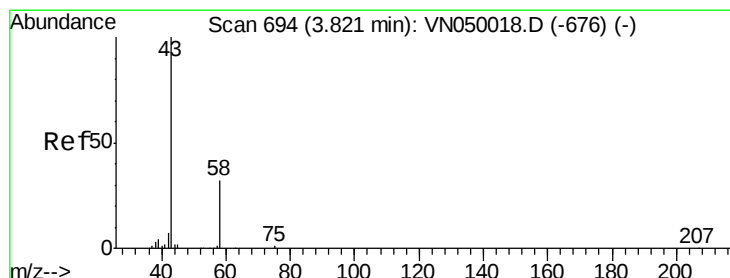
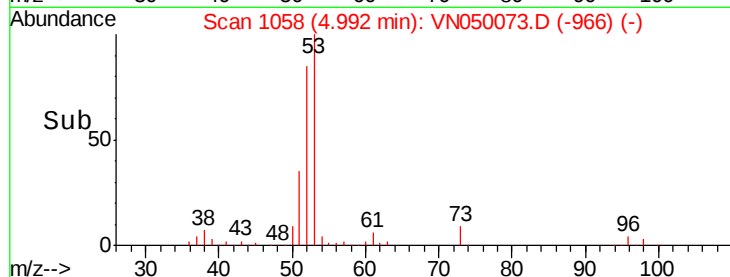
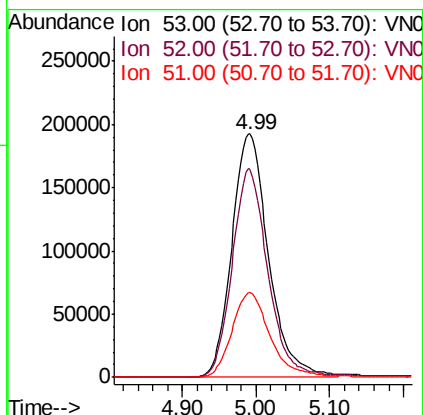
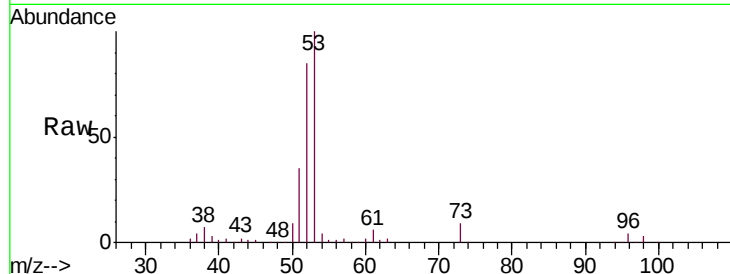
#15
 Acrylonitrile
 Concen: 210.60 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	36.3	29.3	43.9

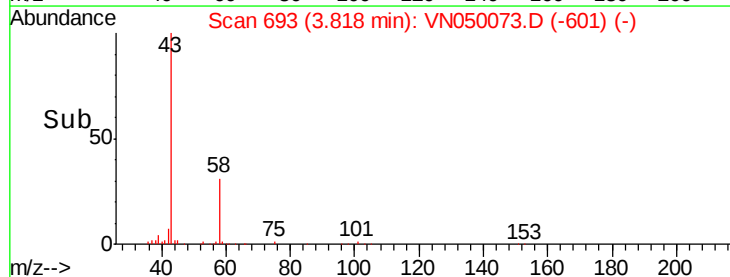
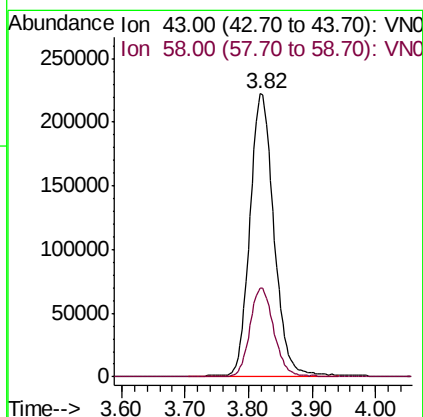
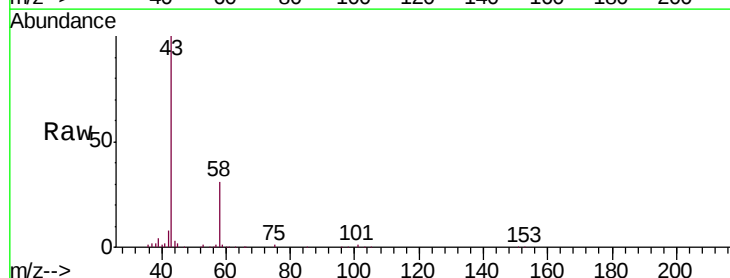
Manual Integrations
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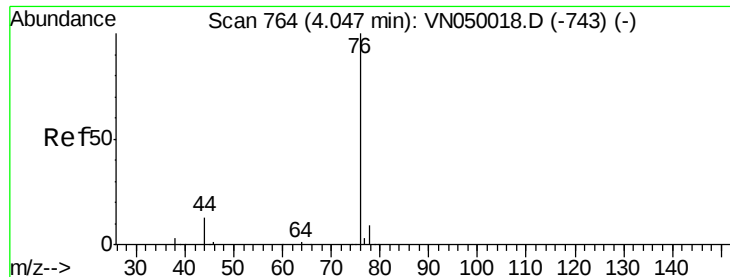
MMDadoda
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#16
 Acetone
 Concen: 251.27 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.4	25.8	38.8





#17

Carbon Disulfide

Concen: 42.79 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1071117

Ion Ratio Lower Upper

76 100

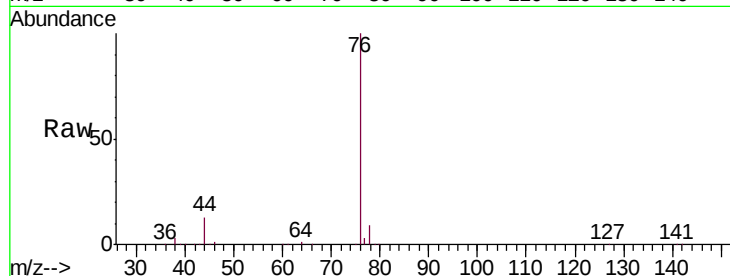
78 9.0 7.3 10.9

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

400000

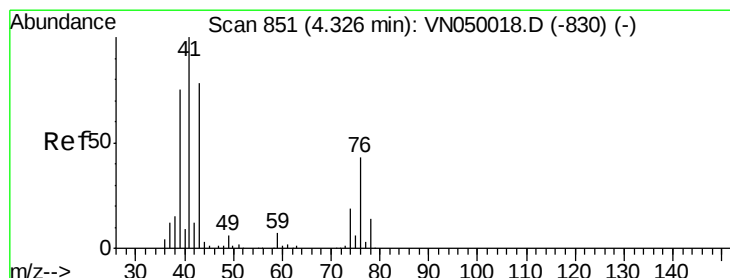
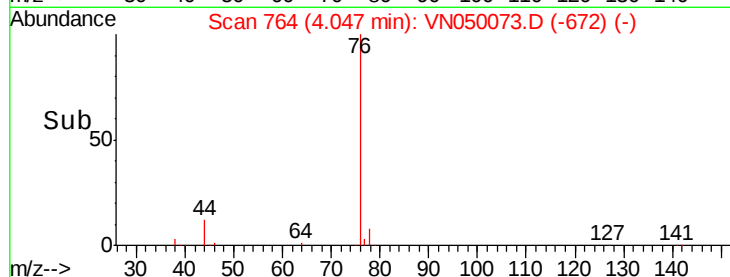
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 45.06 ug/l

RT: 4.33 min Scan# 851

Delta R.T. -0.01 min

Lab File: VN050073.D

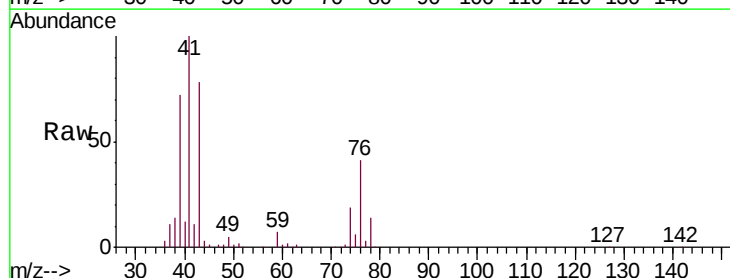
Acq: 26 Jul 2018 10:53

Tgt Ion: 43 Resp: 409856

Ion Ratio Lower Upper

43 100

74 24.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

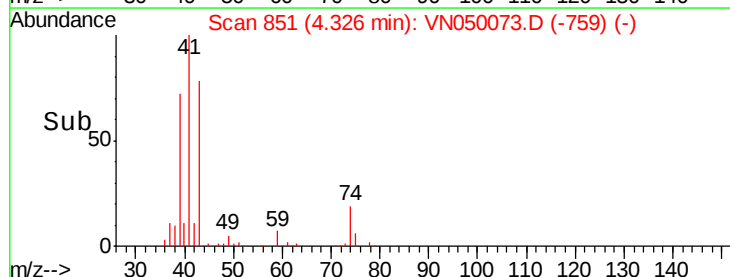
150000

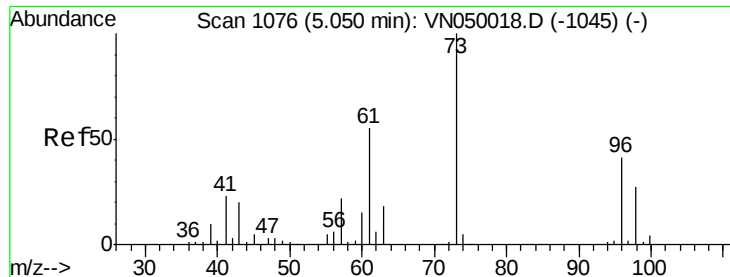
100000

50000

0

Time-->





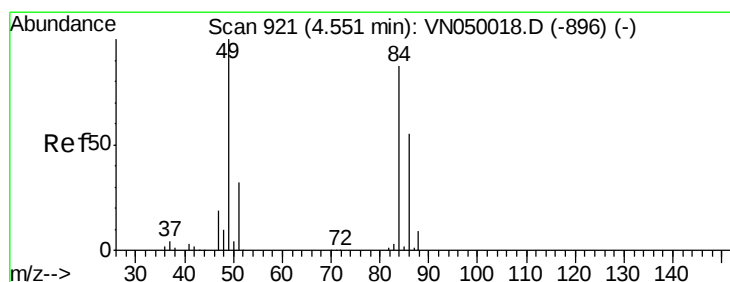
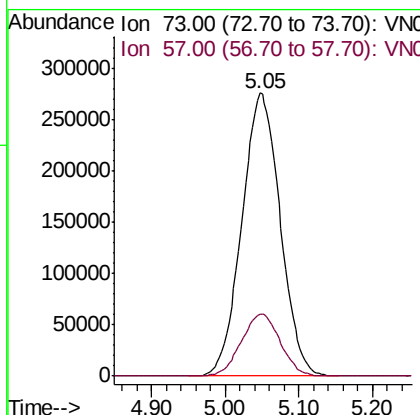
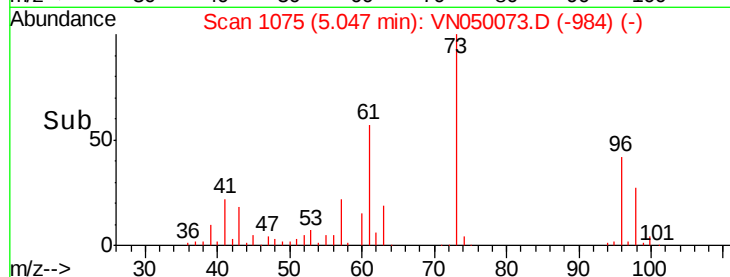
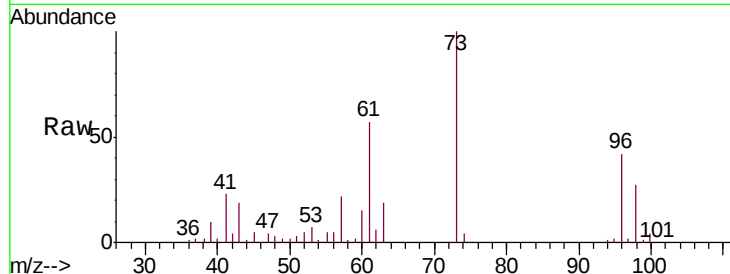
#19
Methyl tert-butyl Ether
Concen: 45.97 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1001007
Ion Ratio Lower Upper
73 100
57 21.9 18.0 27.0

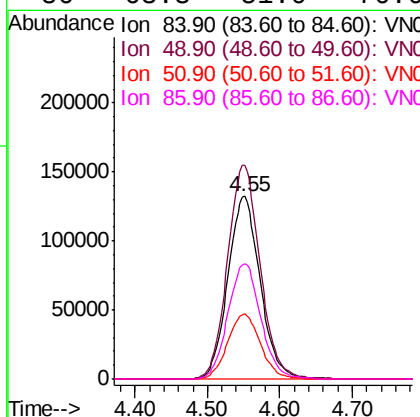
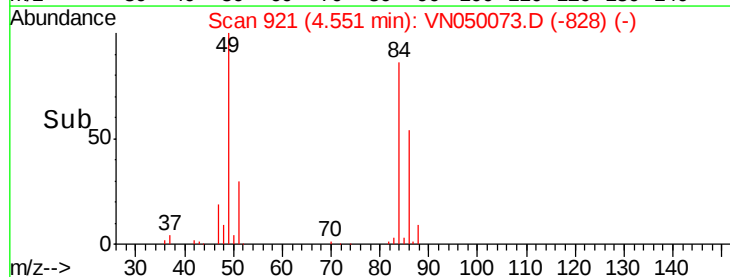
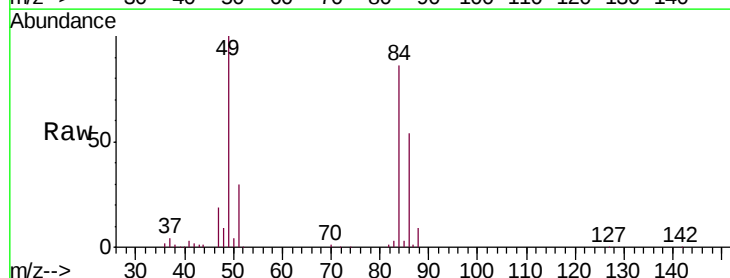
Manual Integrations
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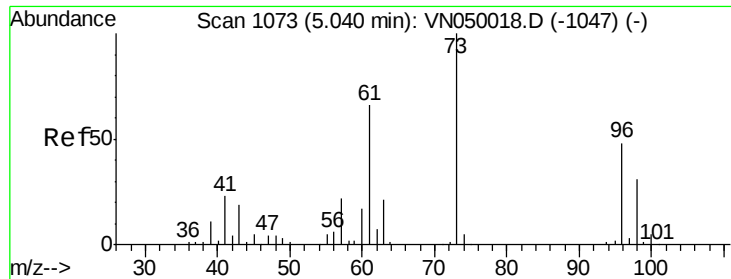
MMDadoda
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#20
Methylene Chloride
Concen: 46.59 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion: 84 Resp: 409336
Ion Ratio Lower Upper
84 100
49 116.8 94.8 142.2
51 35.5 28.3 42.5
86 63.3 51.0 76.6





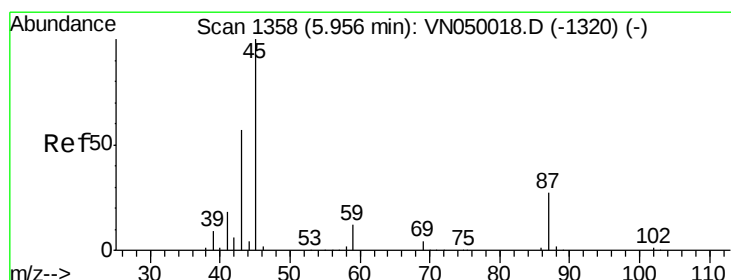
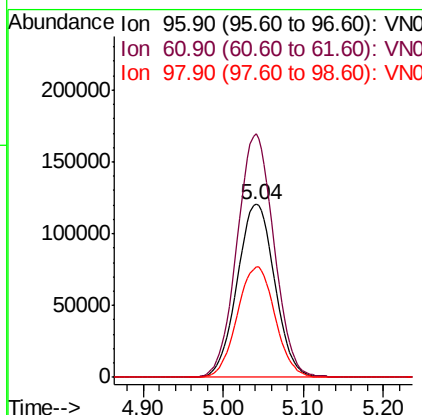
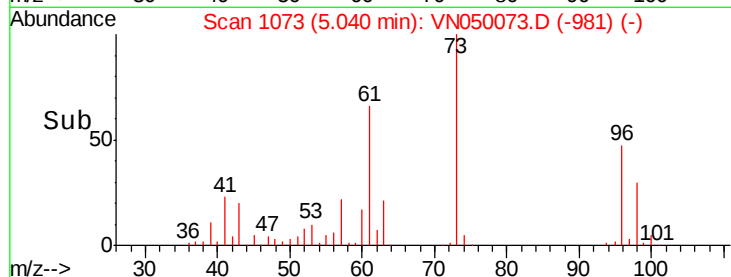
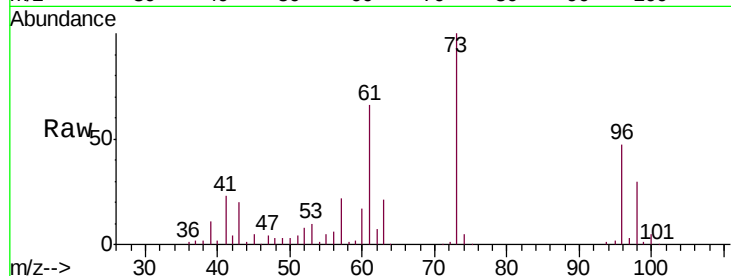
#21
trans-1,2-Dichloroethene
Concen: 44.32 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	110.7	166.1
98	64.0	51.6	77.4

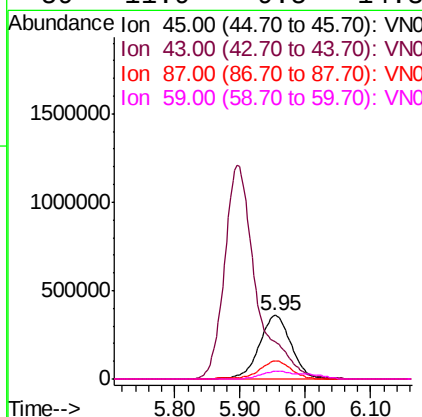
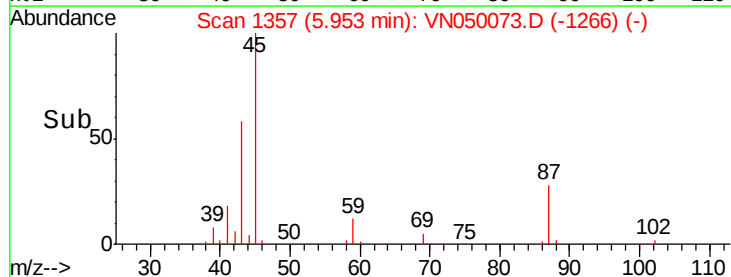
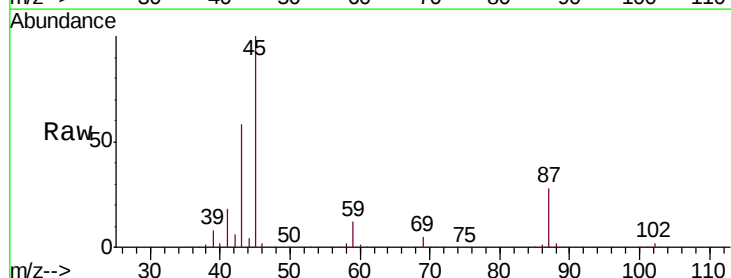
Manual Integrations
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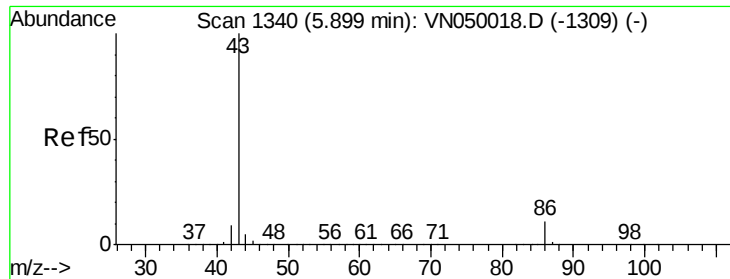
MMDadoda
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#22
Diisopropyl ether
Concen: 48.34 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.2	45.7	68.5
87	27.9	22.7	34.1
59	11.9	9.5	14.3





#23

Vinyl Acetate

Concen: 230.06 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 4084484

Ion Ratio Lower Upper

43 100

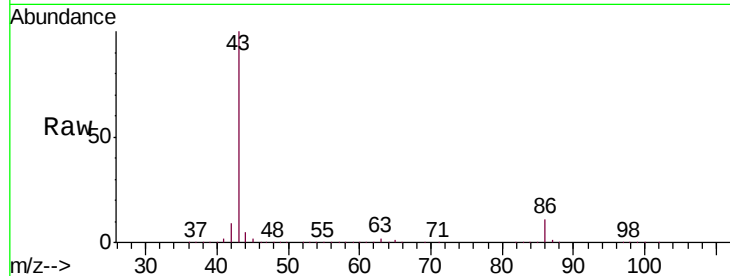
86 10.5 8.6 13.0

Manual Integrations

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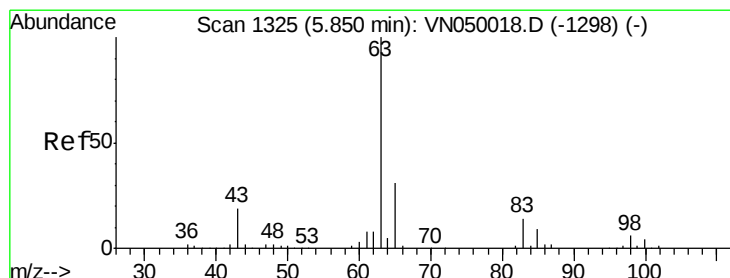
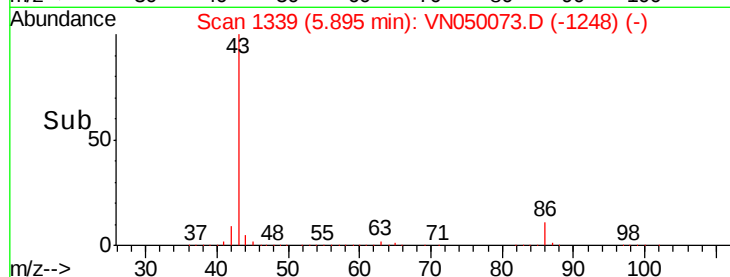
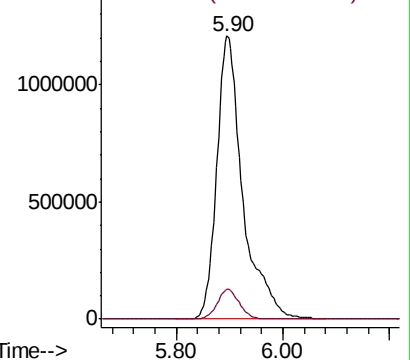
MMDadoda

7/27/2018 12:15:24 PM



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-1309) (-)

Ion 86.00 (85.70 to 86.70): VN050018.D (-1309) (-)



#24

1,1-Dichloroethane

Concen: 43.83 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

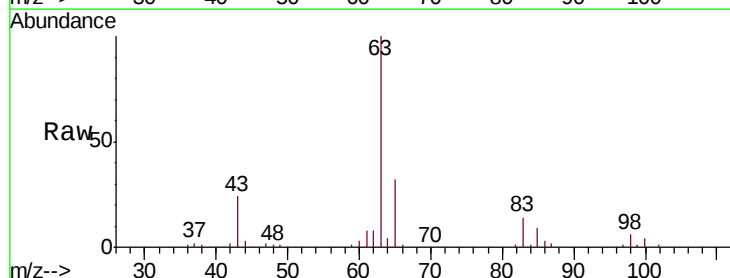
Tgt Ion: 63 Resp: 720118

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

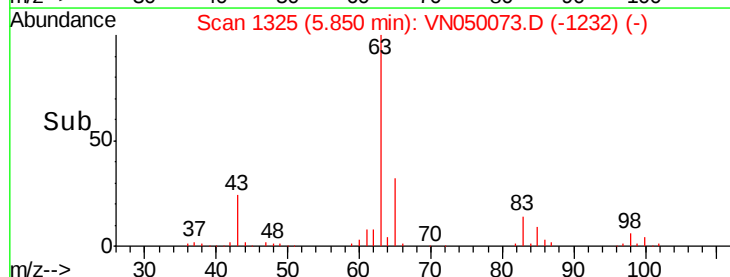
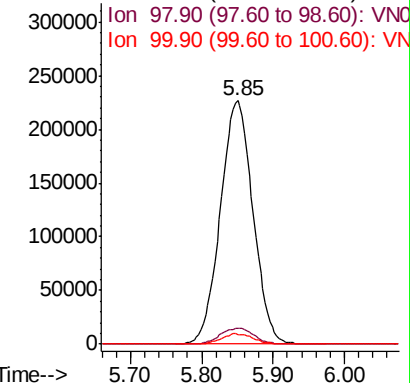
100 4.1 2.1 6.3

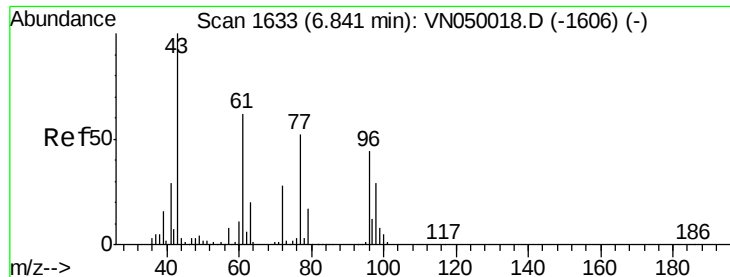


Abundance Ion 62.90 (62.60 to 63.60): VN050018.D (-1298) (-)

Ion 97.90 (97.60 to 98.60): VN050018.D (-1298) (-)

Ion 99.90 (99.60 to 100.60): VN050018.D (-1298) (-)





#25

2-Butanone

Concen: 222.57 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 839776

Ion Ratio Lower Upper

43 100

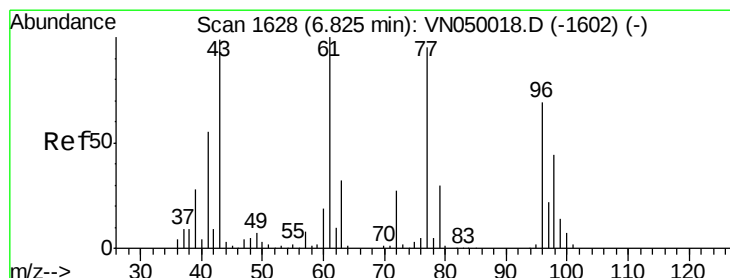
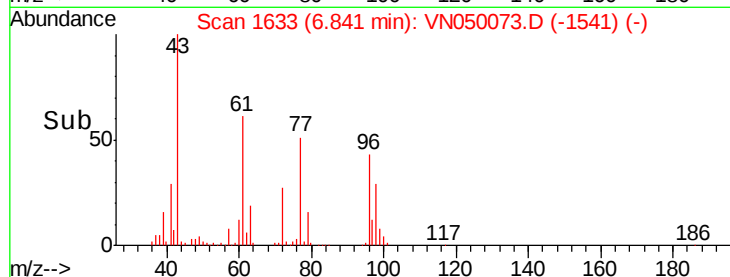
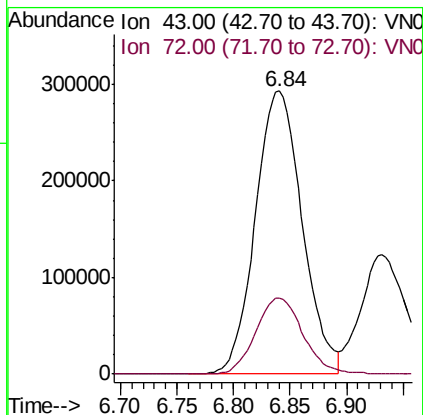
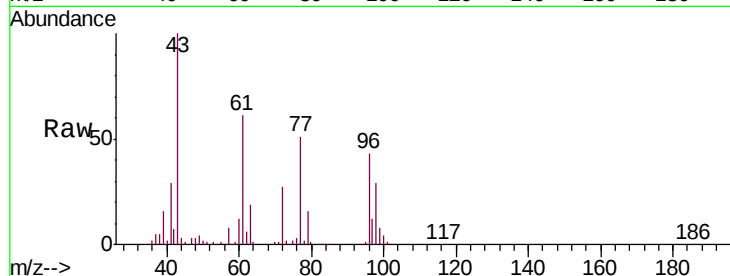
72 27.0 21.5 32.3

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#26

2,2-Dichloropropane

Concen: 49.48 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050073.D

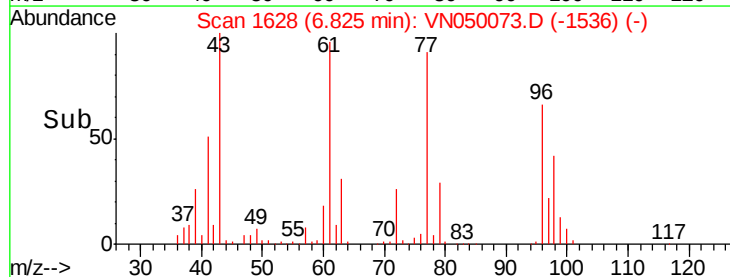
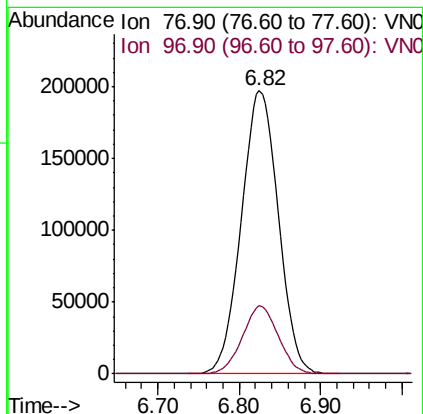
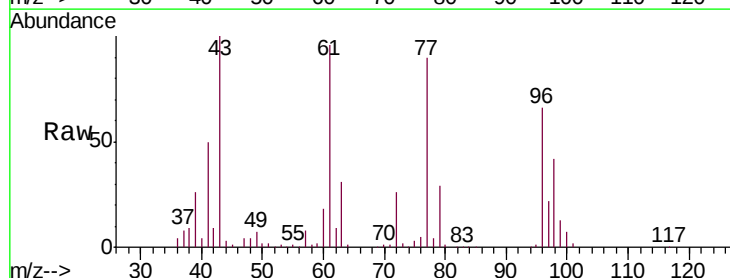
Acq: 26 Jul 2018 10:53

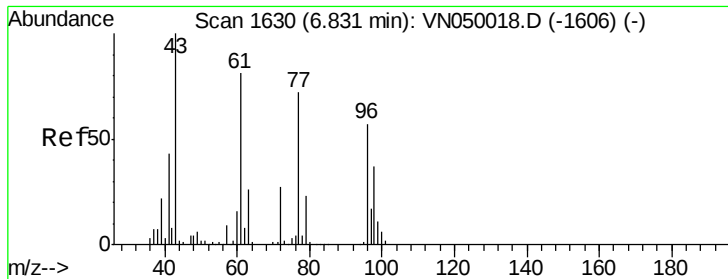
Tgt Ion: 77 Resp: 618374

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 46.38 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

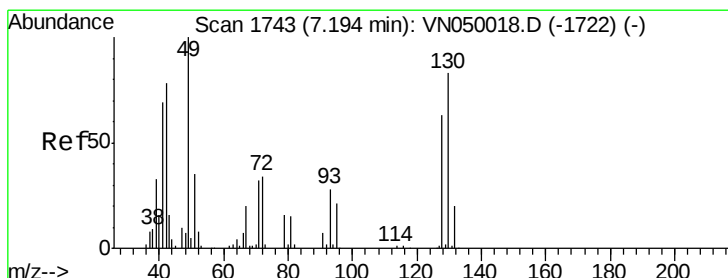
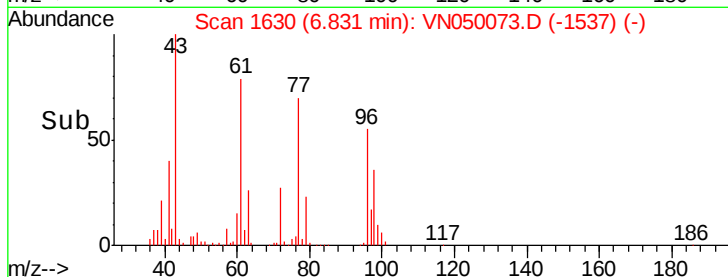
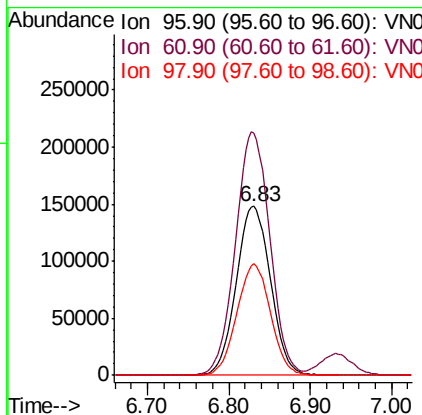
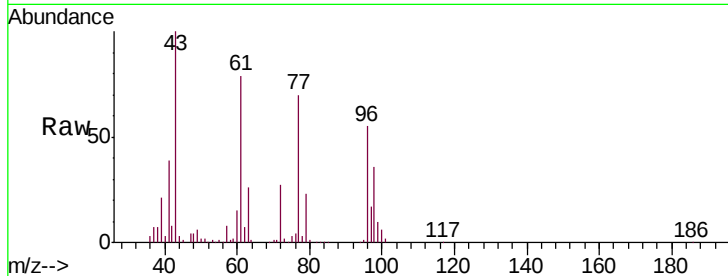
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	432280
Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	285.0
98	64.8	0.0	129.2

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#28

Bromochloromethane

Concen: 47.04 ug/l

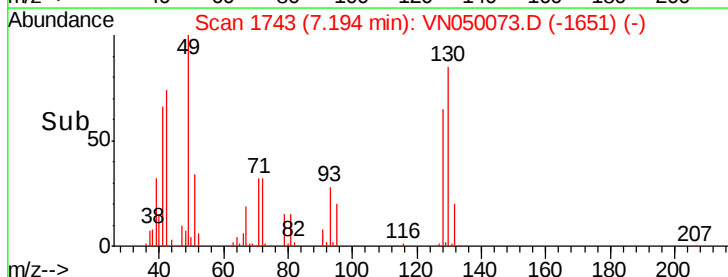
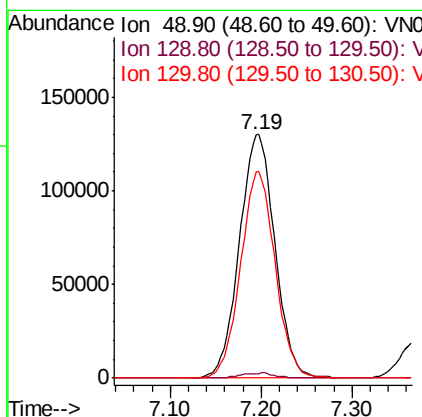
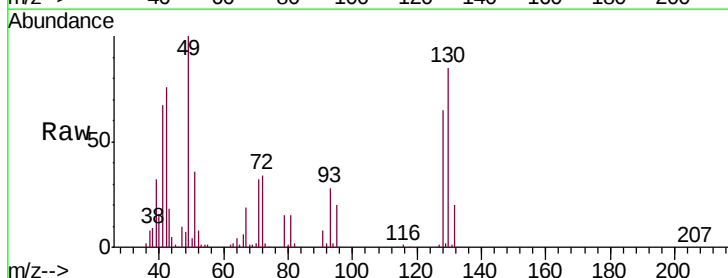
RT: 7.19 min Scan# 1743

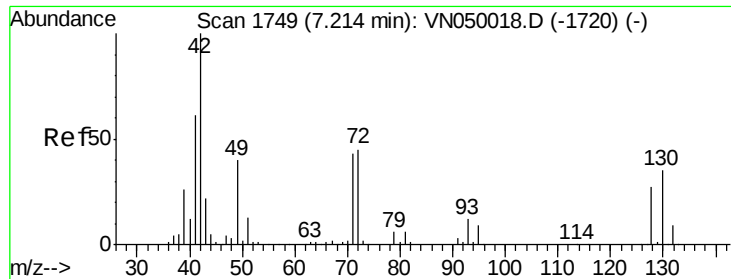
Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Tgt Ion:	49	Resp:	352485
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	82.4	66.3	99.5





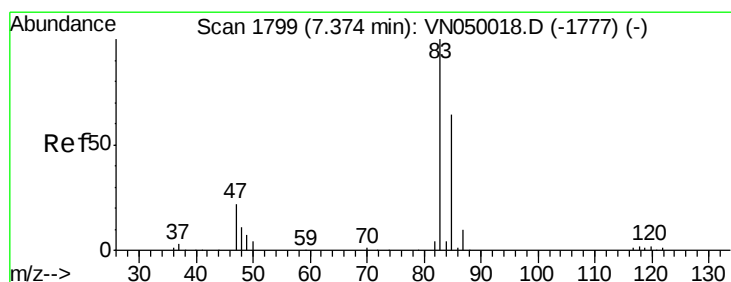
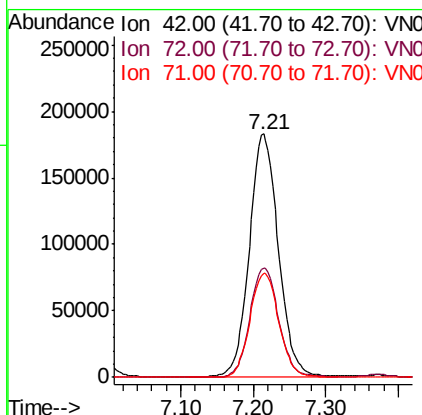
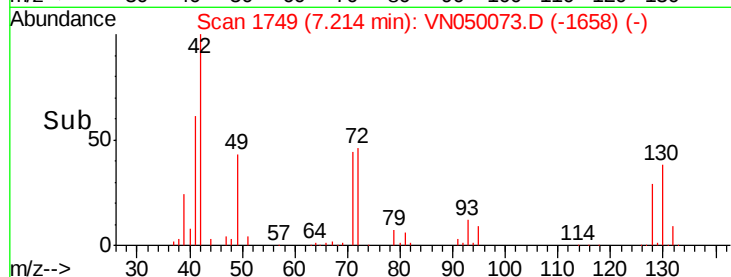
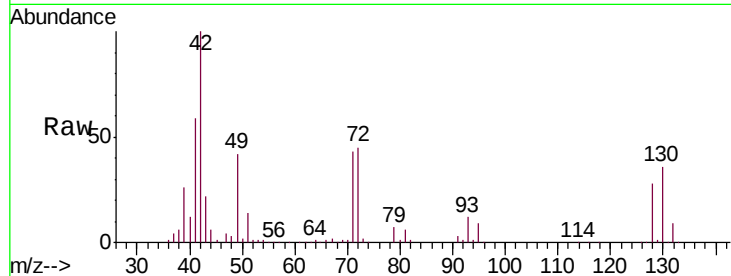
#29
Tetrahydrofuran
Concen: 209.38 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.9	53.9
71	42.6	33.7	50.5

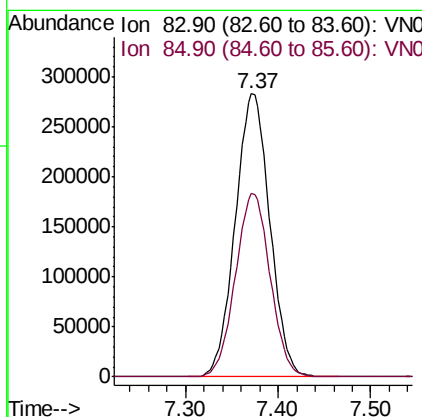
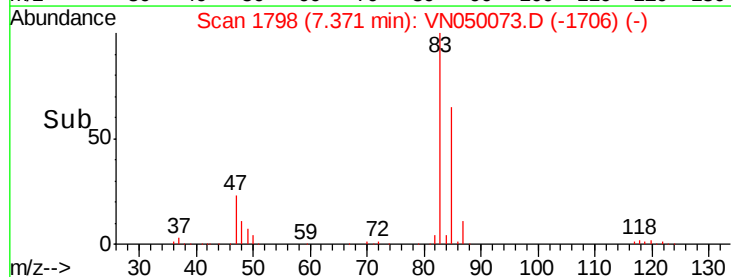
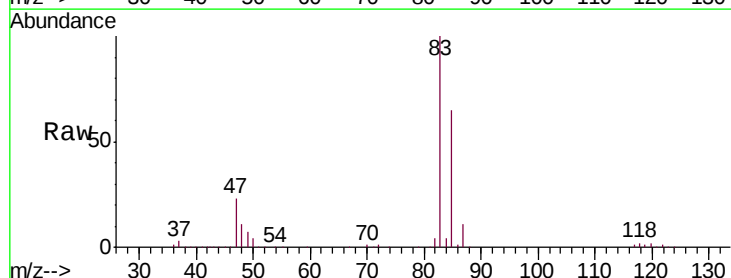
Manual Integrations
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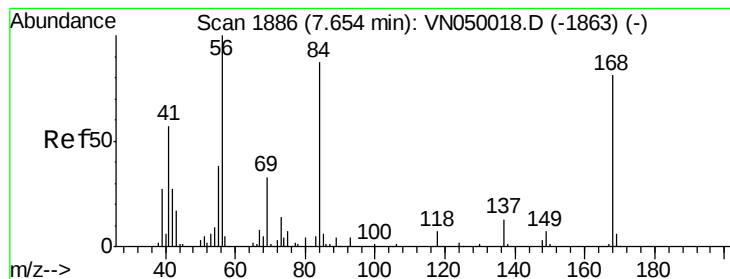
MMDadoda
7/27/2018 12:15:24 PM



#30
Chloroform
Concen: 43.72 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7





#31

Cyclohexane

Concen: 46.97 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 639934

Ion Ratio Lower Upper

56 100

69 33.6 26.2 39.4

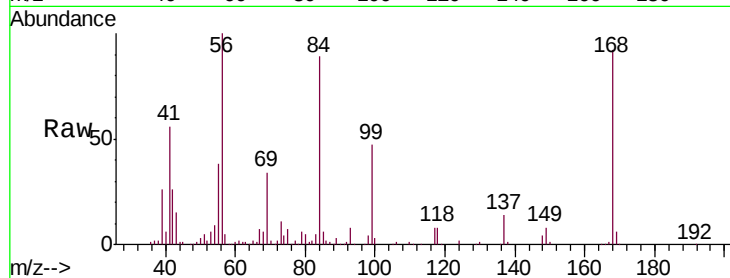
84 87.5 67.4 101.0

Manual Integrations

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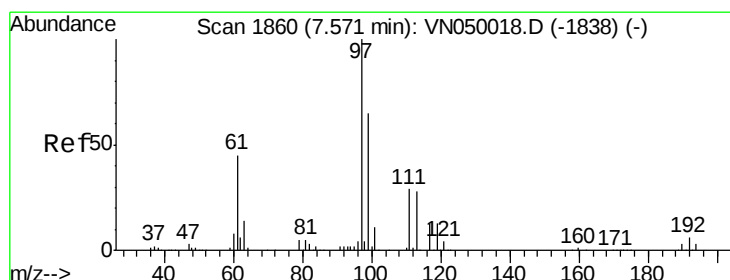
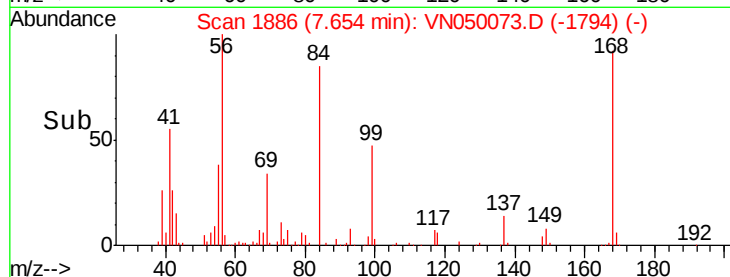
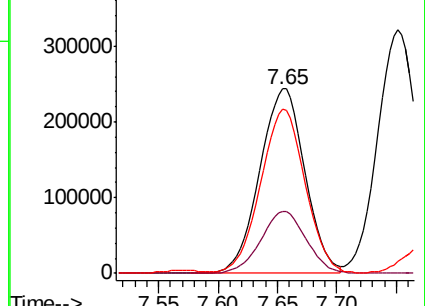
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Abundance Ion 56.00 (55.70 to 56.70): VN050018.D (-1863) (-)

Ion 69.00 (68.70 to 69.70): VN050018.D (-1863) (-)

Ion 84.00 (83.70 to 84.70): VN050018.D (-1863) (-)



#32

1,1,1-Trichloroethane

Concen: 44.53 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

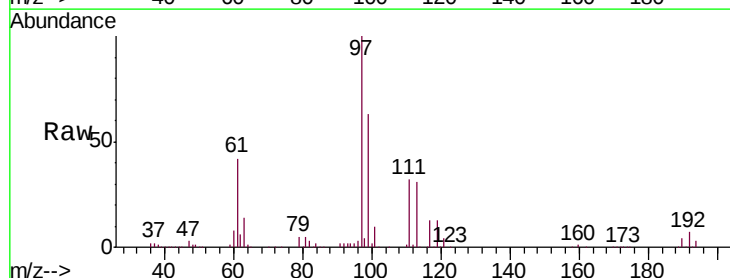
Tgt Ion: 97 Resp: 638592

Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

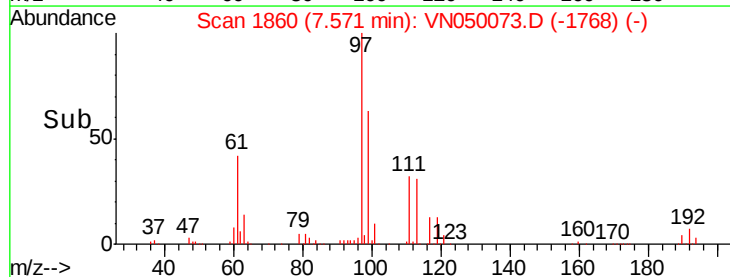
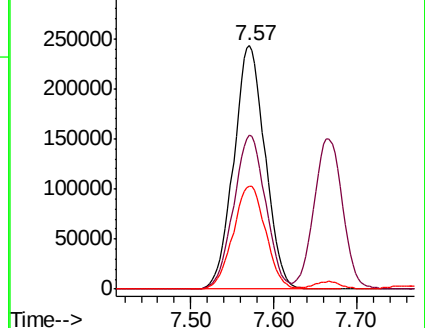
61 44.0 35.4 53.0

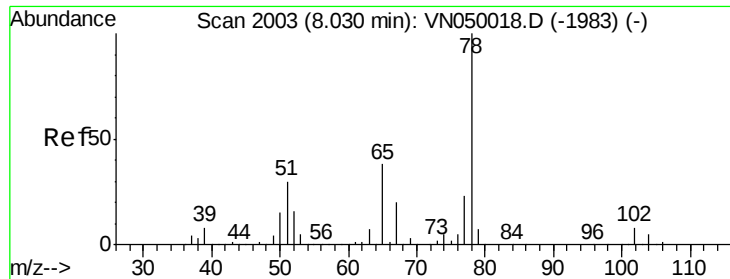


Abundance Ion 96.90 (96.60 to 97.60): VN050018.D (-1838) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1838) (-)

Ion 60.90 (60.60 to 61.60): VN050018.D (-1838) (-)





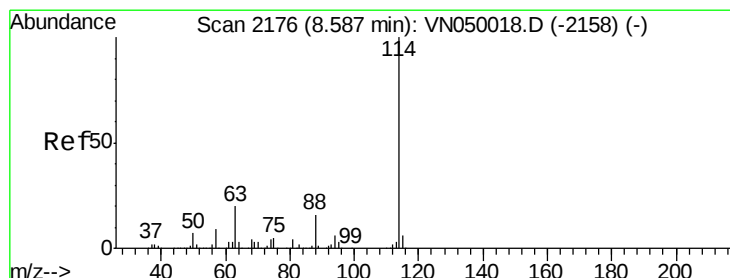
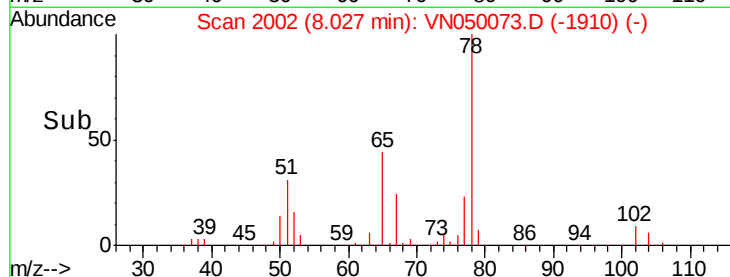
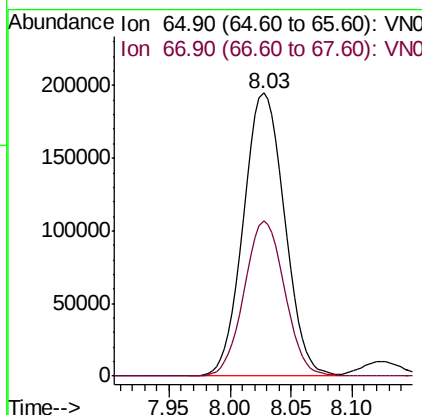
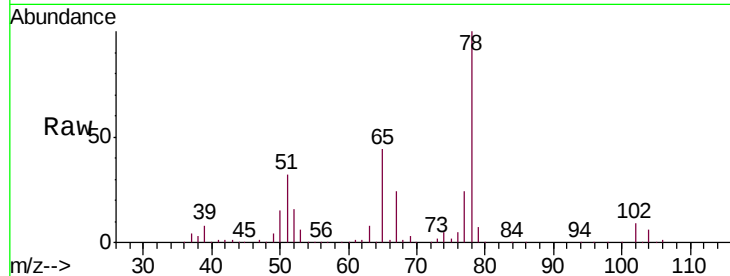
#33
 1,2-Dichloroethane-d4
 Concen: 46.17 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	456715		
67	53.8	0.0	108.4	

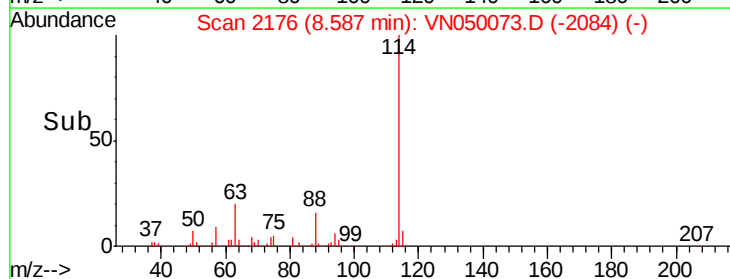
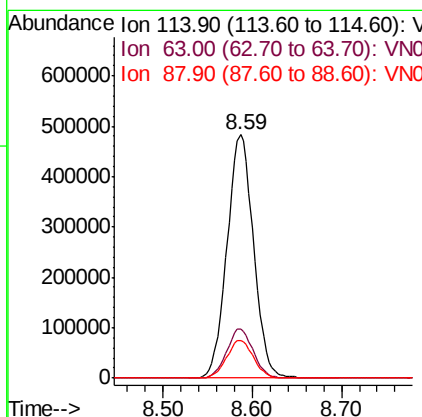
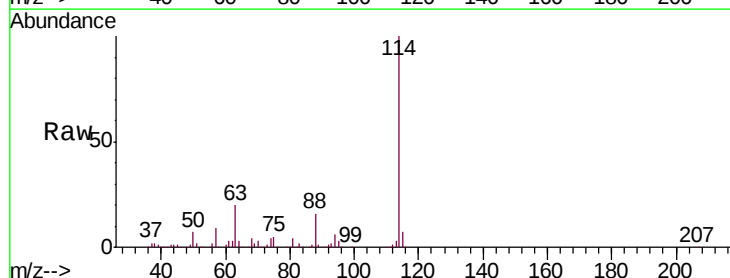
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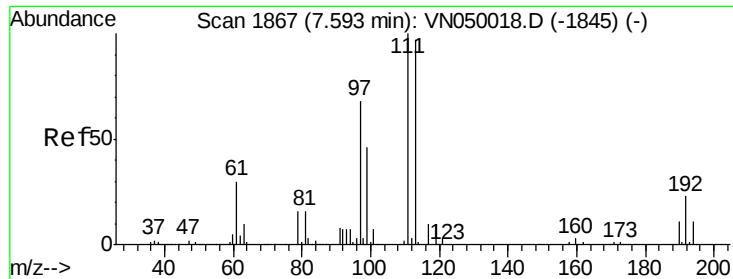
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	994187		
63	20.2	0.0	40.0	
88	15.6	0.0	31.2	





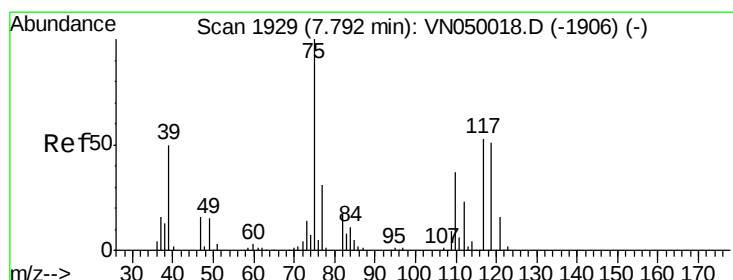
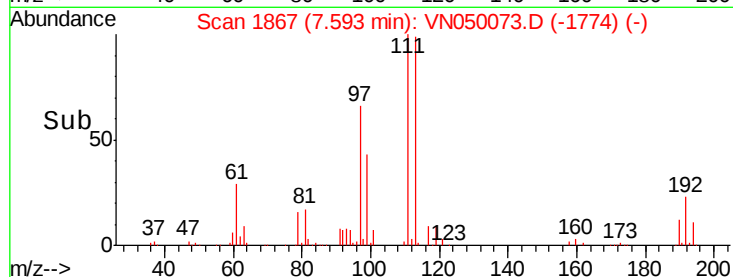
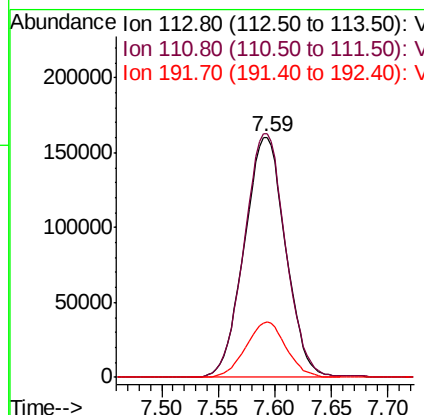
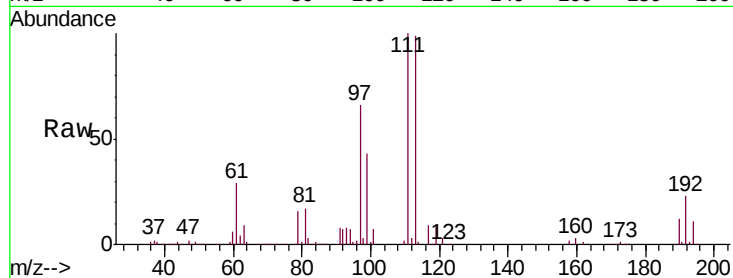
#35
Dibromofluoromethane
Concen: 50.14 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.5	80.7	121.1	
192	22.5	17.8	26.6	

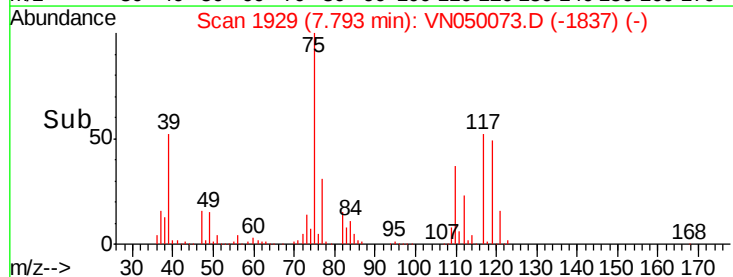
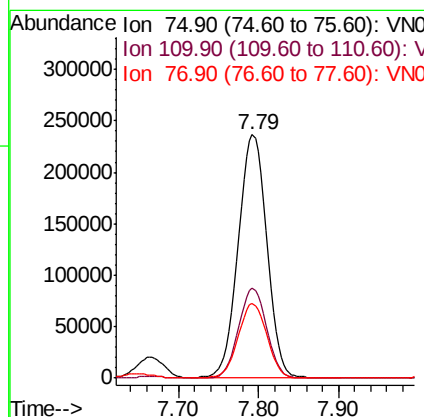
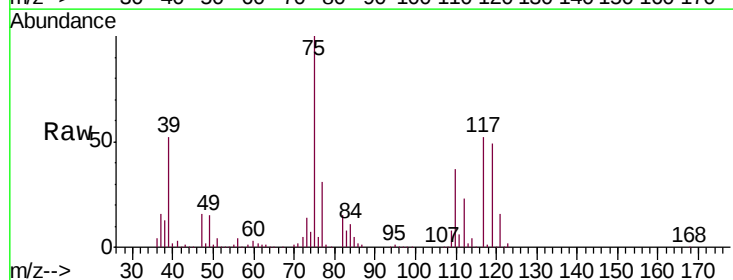
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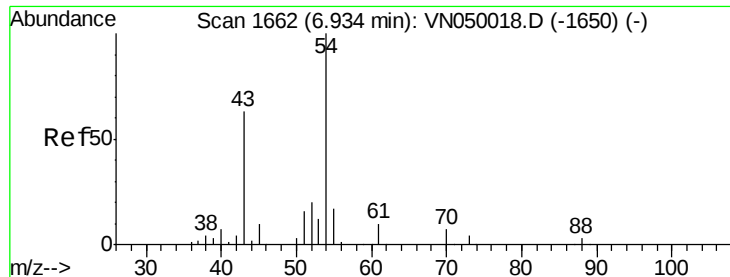
MMDadoda
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#36
1,1-Dichloropropene
Concen: 50.89 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.2	18.4	55.2	
77	30.9	25.3	37.9	





#37

Ethyl Acetate

Concen: 44.70 ug/l

RT: 6.93 min Scan# 1661

Delta R.T. -0.01 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

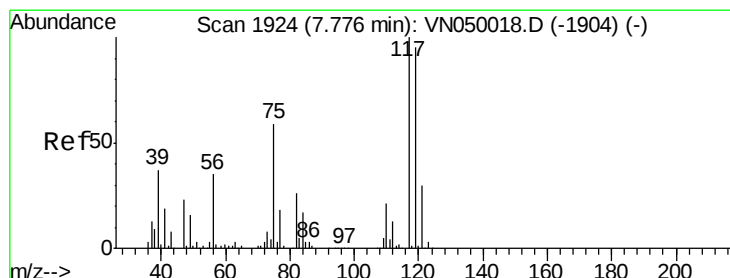
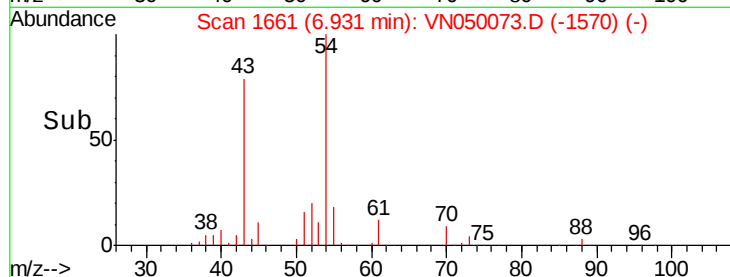
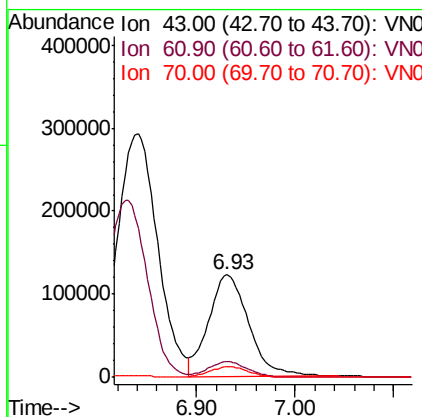
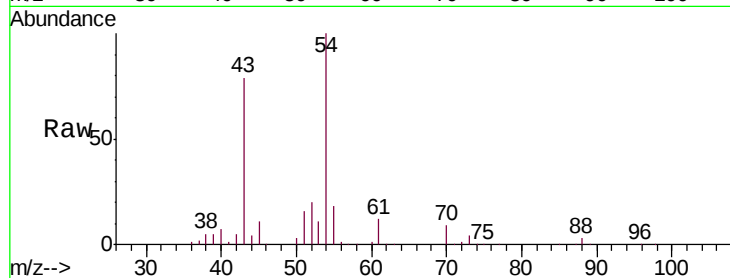
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	349079
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.8
70	10.7	8.4	12.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 47.99 ug/l

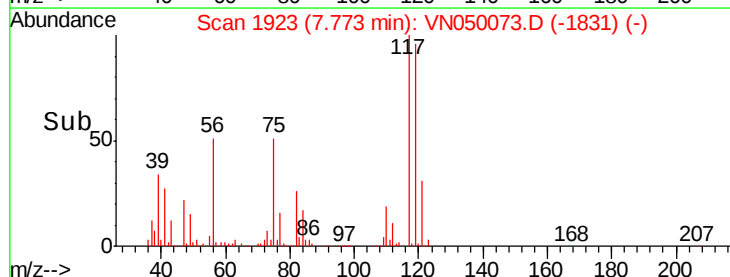
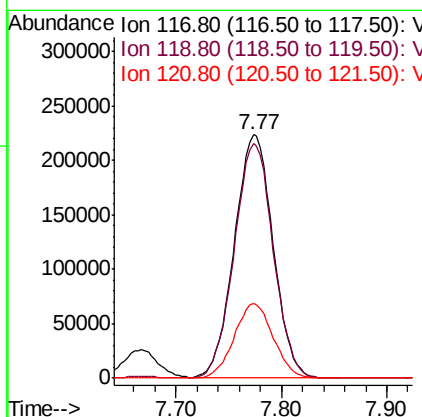
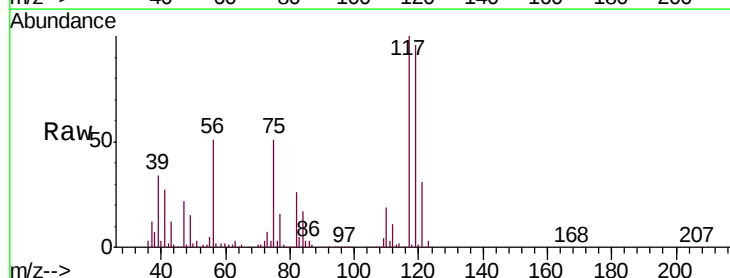
RT: 7.77 min Scan# 1923

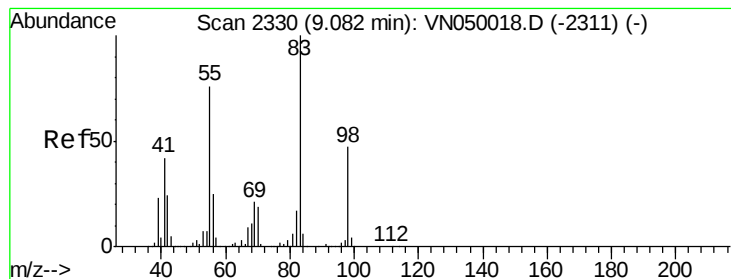
Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Tgt Ion:	117	Resp:	570420
Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.4	116.0
121	30.9	23.9	35.9





#39

Methvlcvclohexane

Concen: 54.50 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

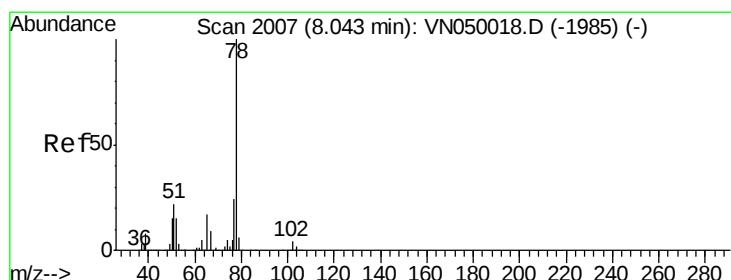
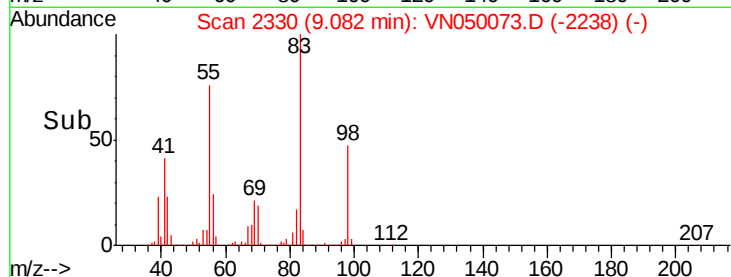
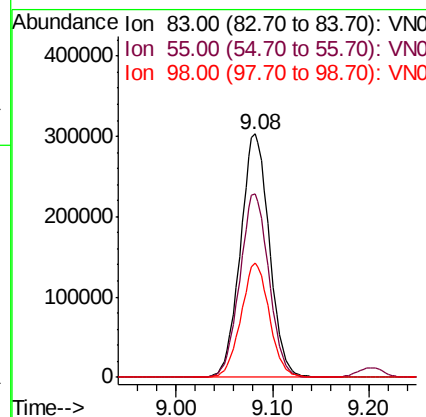
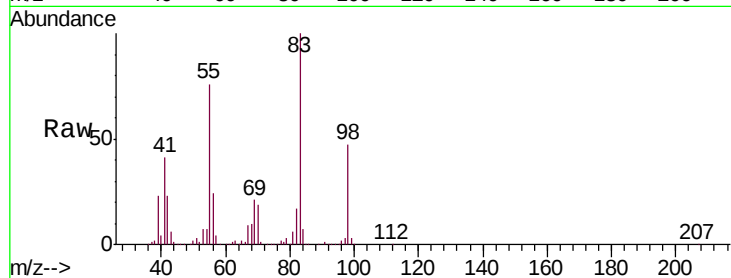
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	627968
Ion	Ratio	Lower	Upper
83	100		
55	75.6	61.8	92.8
98	47.0	36.5	54.7

Manual Integrations
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#40

Benzene

Concen: 48.85 ug/l

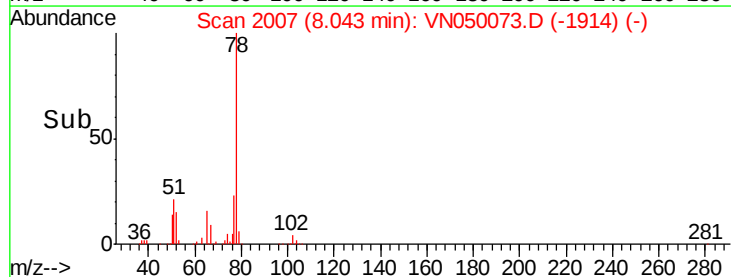
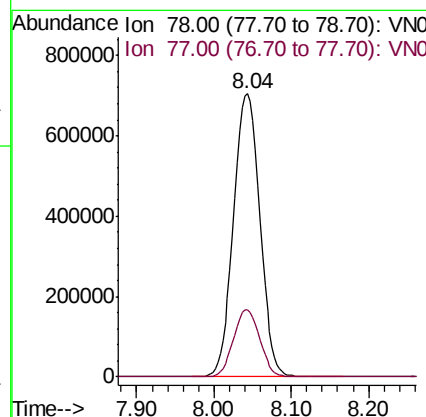
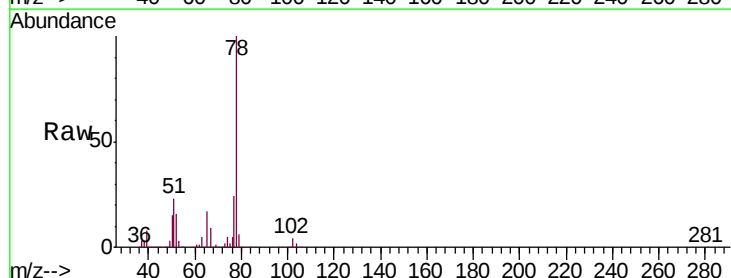
RT: 8.04 min Scan# 2007

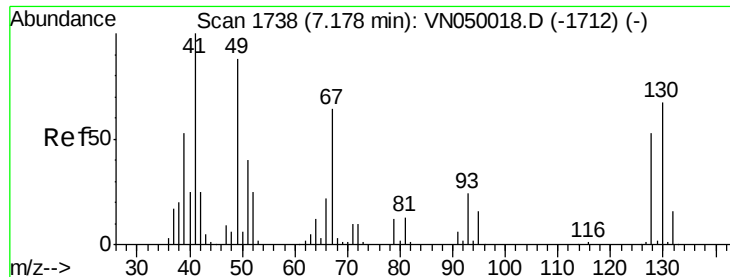
Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Tgt Ion:	78	Resp:	1664996
Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1





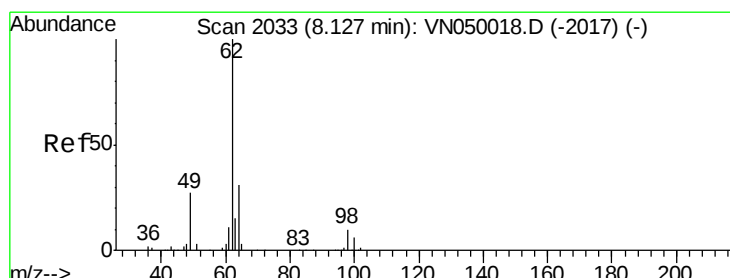
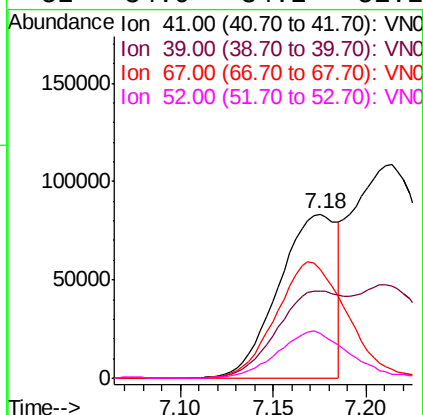
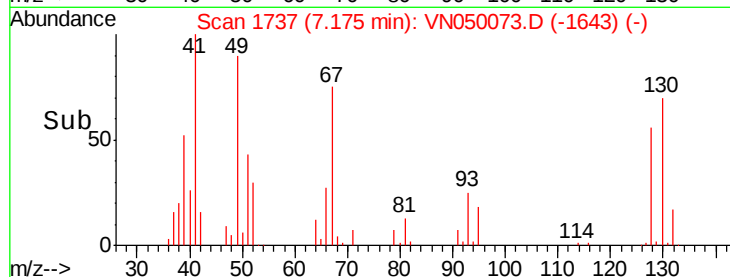
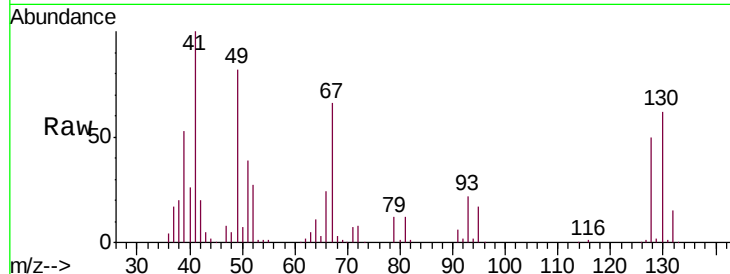
#41
Methacrylonitrile
Concen: 45.02 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.4	55.8	83.6
67	87.5	84.3	126.5
52	34.9	34.2	51.2

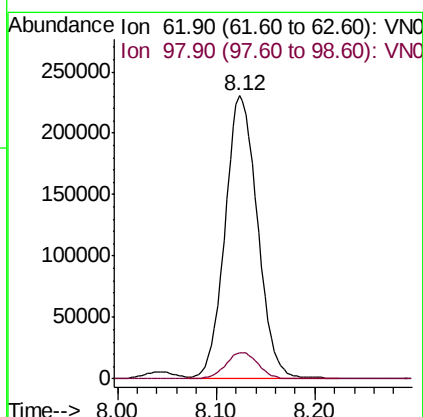
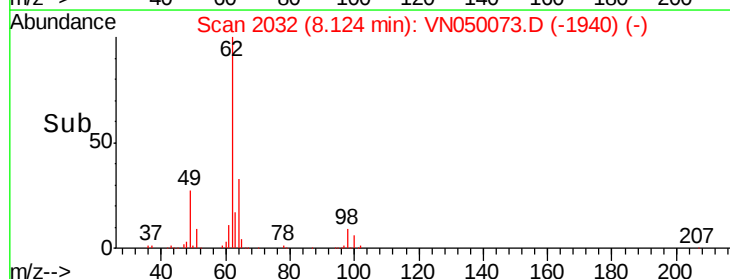
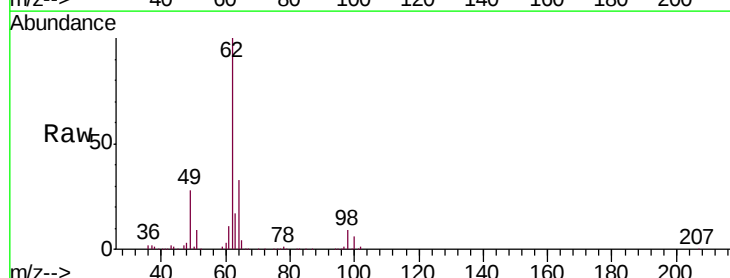
Manual Integrations
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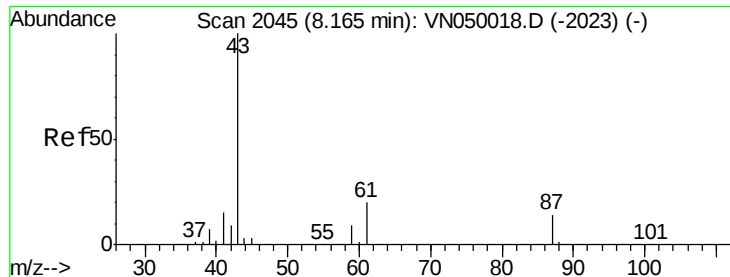
MMDadoda
7/27/2018 12:15:24 PM



#42
1,2-Dichloroethane
Concen: 46.46 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.8





#43

Isopropyl Acetate

Concen: 45.11 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

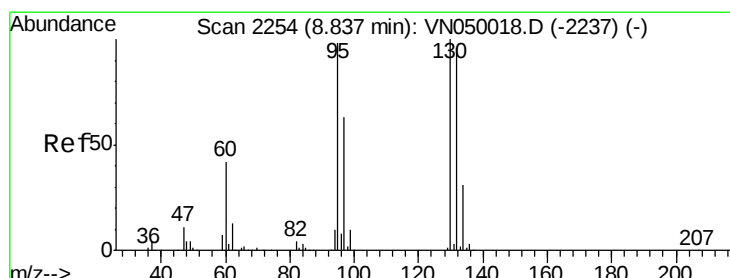
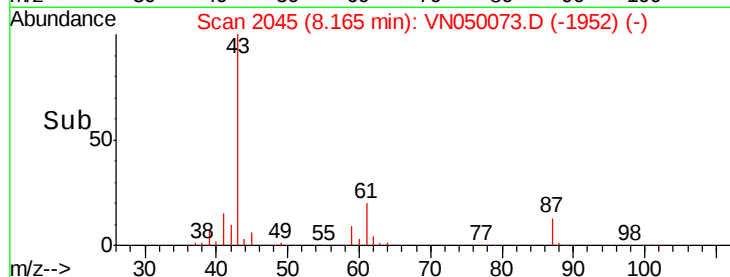
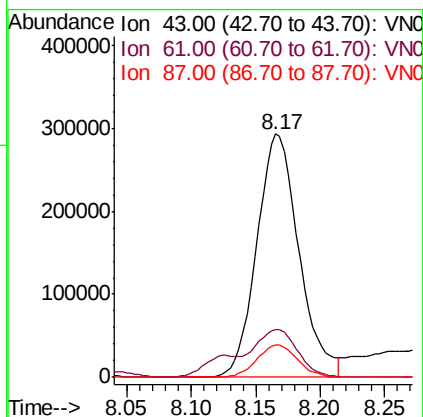
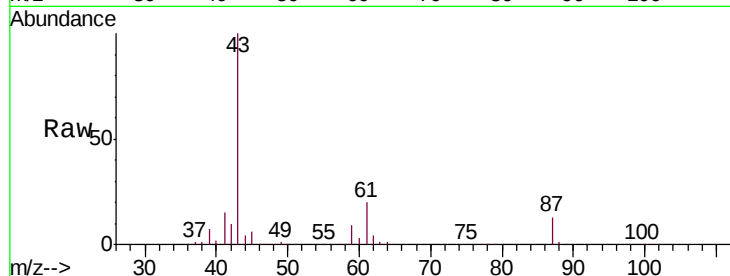
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	665479
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.8	23.6
87	13.0	10.3	15.5

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#44

Trichloroethene

Concen: 48.08 ug/l

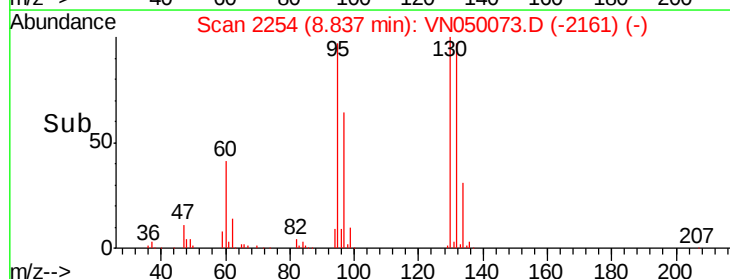
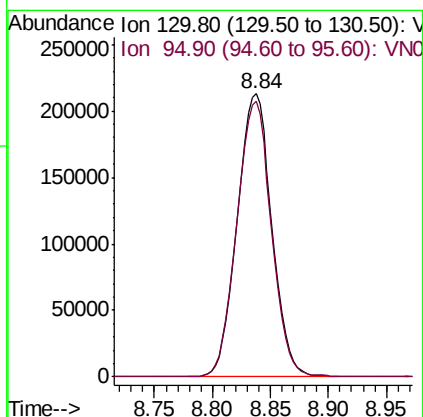
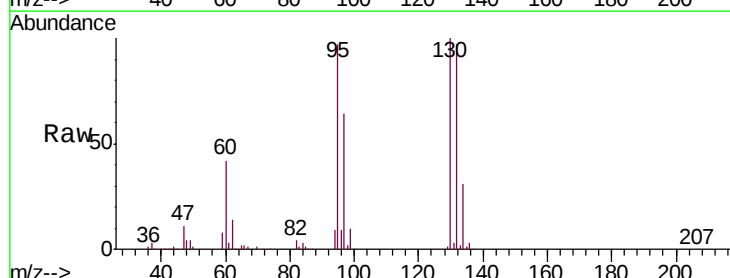
RT: 8.84 min Scan# 2254

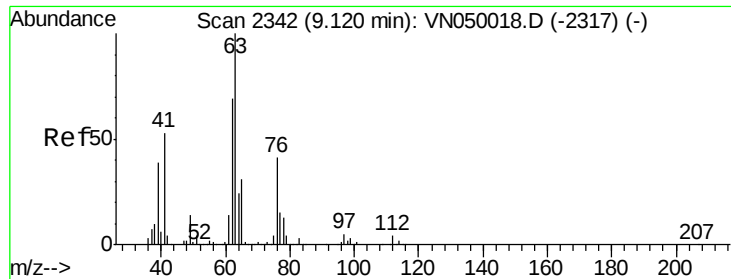
Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Tgt Ion:	130	Resp:	440390
Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	194.6





#45

1,2-Dichloropropane

Concen: 48.56 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 438350

Ion Ratio Lower Upper

63 100

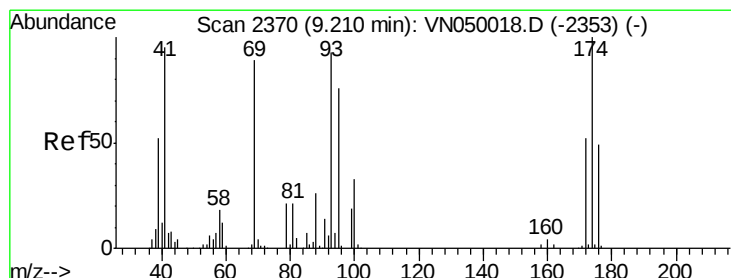
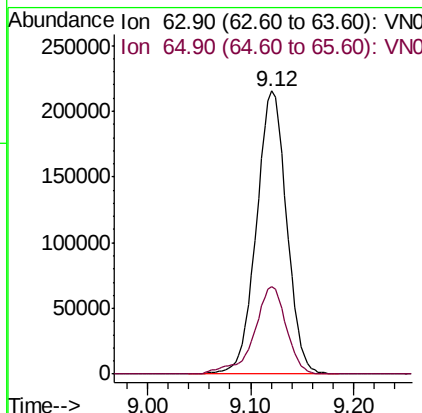
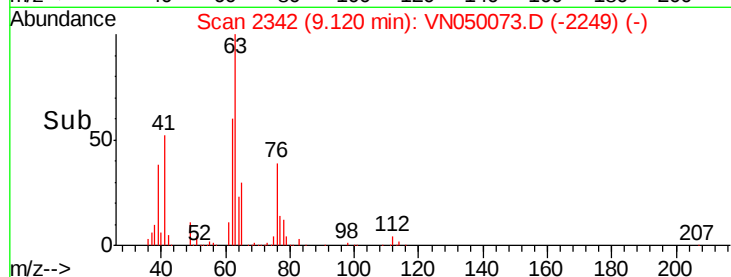
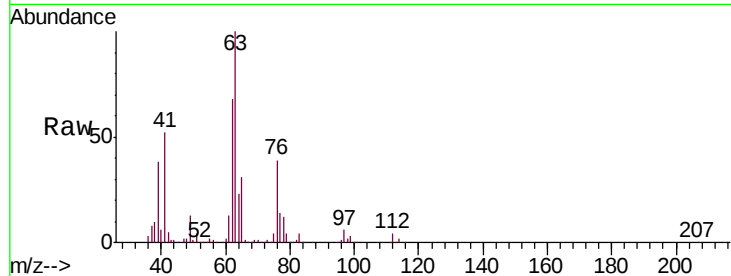
65 31.0 25.5 38.3

Manual Integrations

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#46

Dibromomethane

Concen: 47.20 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

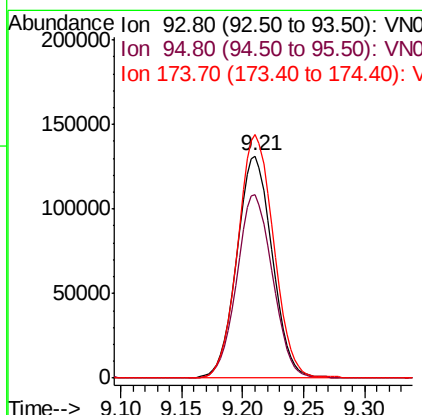
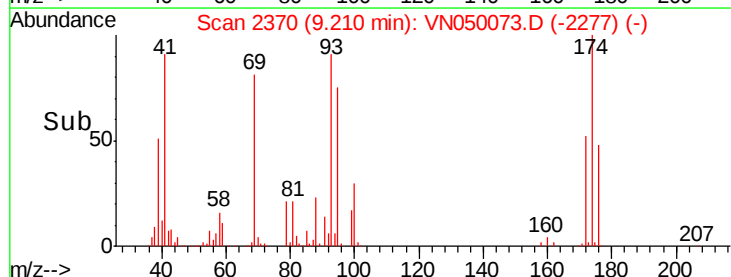
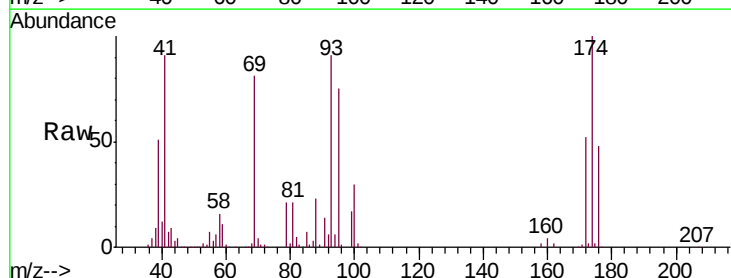
Tgt Ion: 93 Resp: 264604

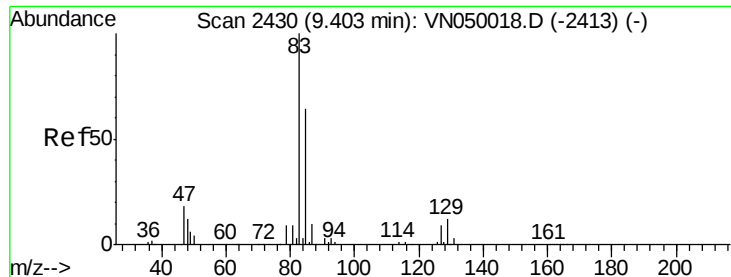
Ion Ratio Lower Upper

93 100

95 83.5 66.6 100.0

174 110.9 87.1 130.7





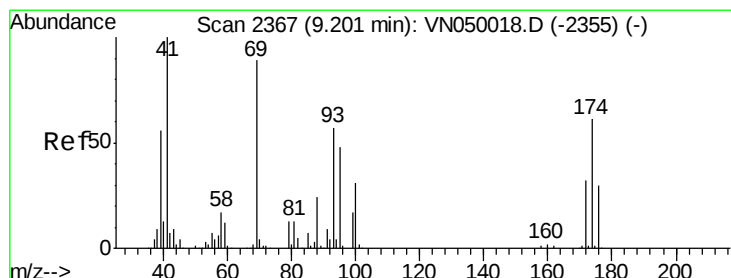
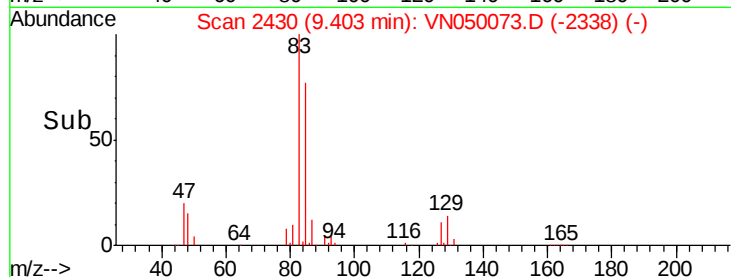
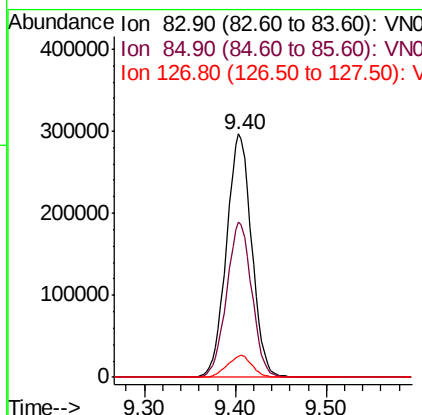
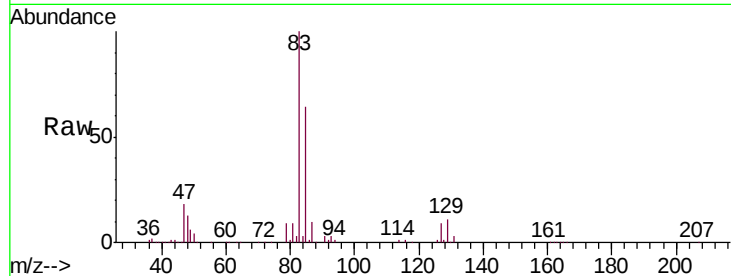
#47
Bromodichloromethane
Concen: 48.17 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	569933		
85	63.7		51.1	76.7
127	8.7		7.0	10.4

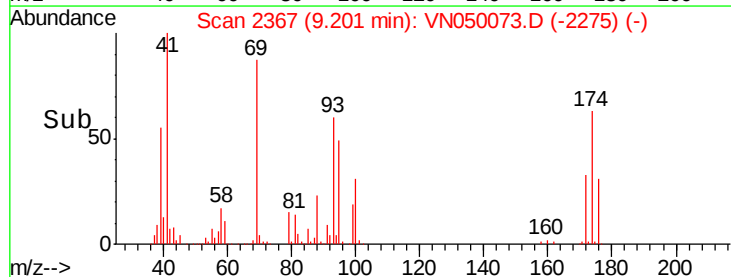
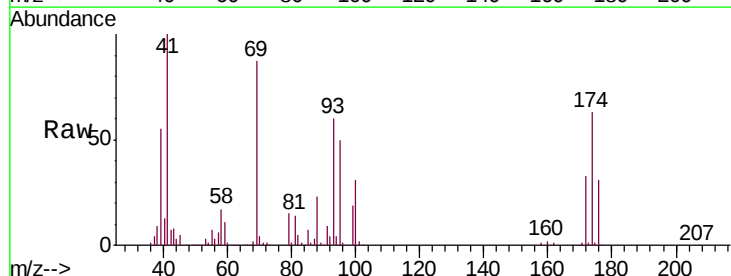
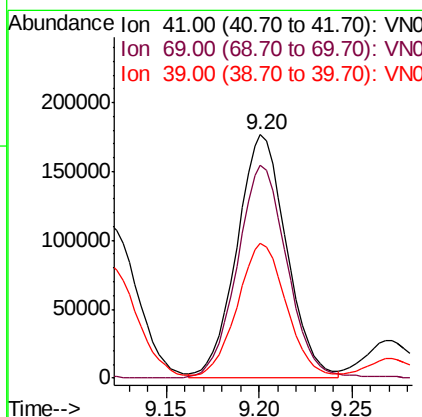
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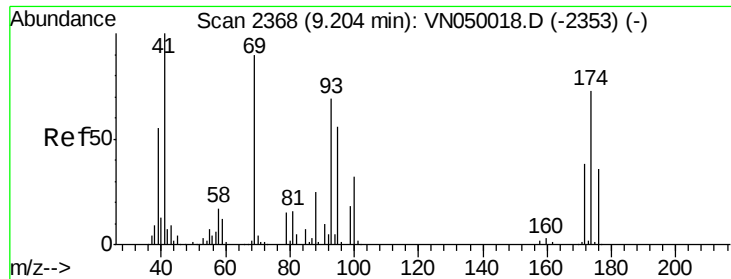
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#48
Methyl methacrylate
Concen: 48.52 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	326316		
69	88.2		70.6	105.8
39	54.9		43.9	65.9





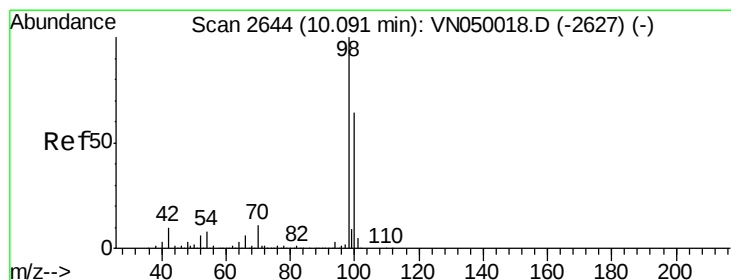
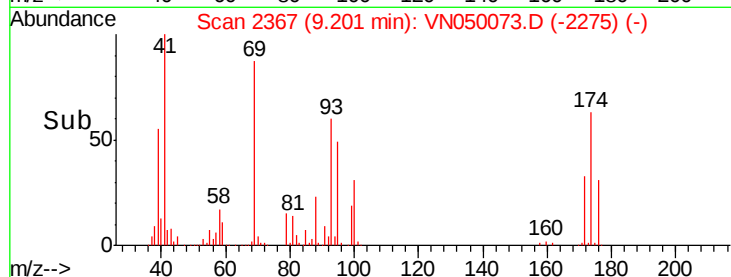
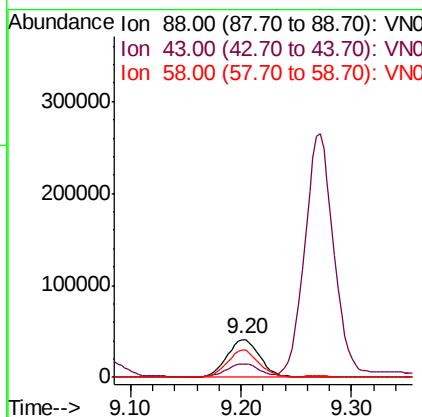
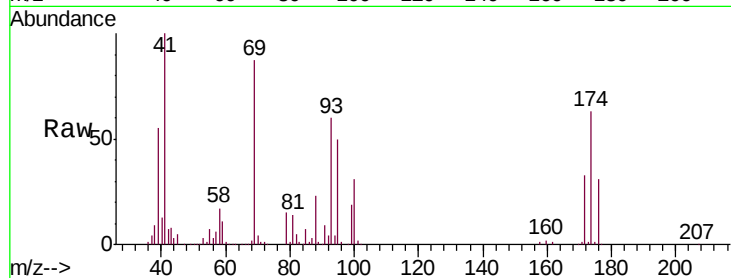
#49
1,4-Dioxane
Concen: 936.55 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	85721
Ion	Ratio	Lower	Upper
88	100		
43	31.9	26.9	40.3
58	68.9	57.3	85.9

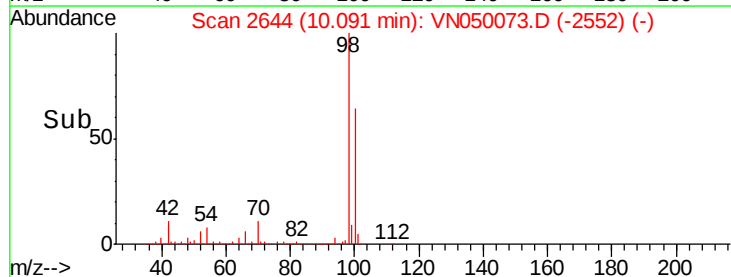
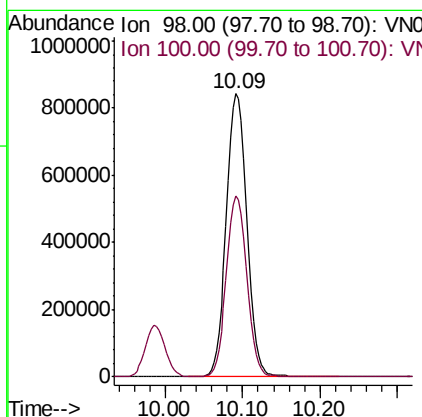
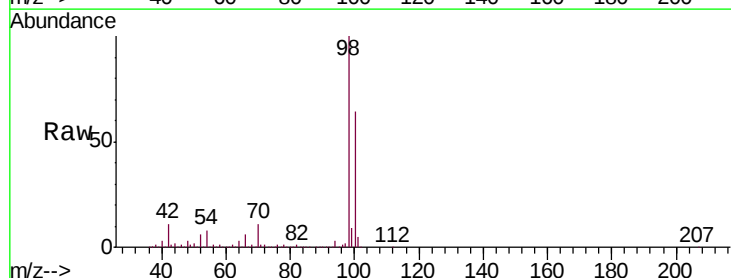
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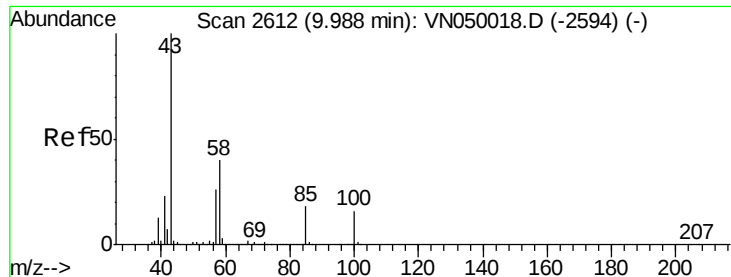
MMDadoda
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#50
Toluene-d8
Concen: 52.11 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion	98	Resp	1555166
Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.7	76.1





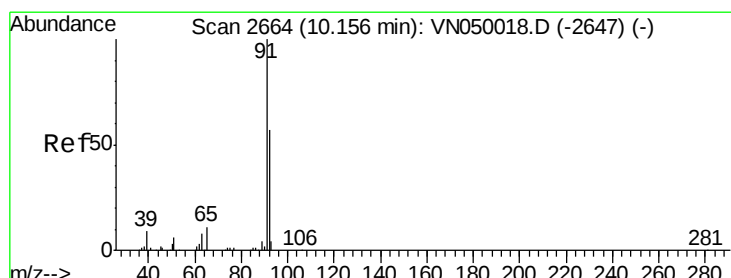
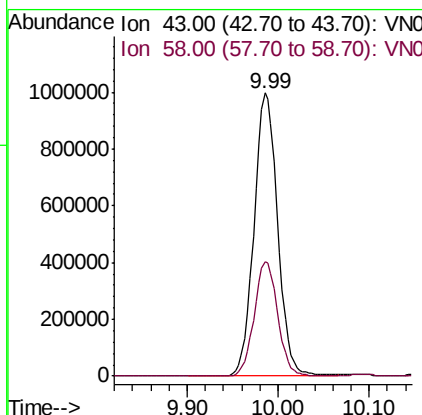
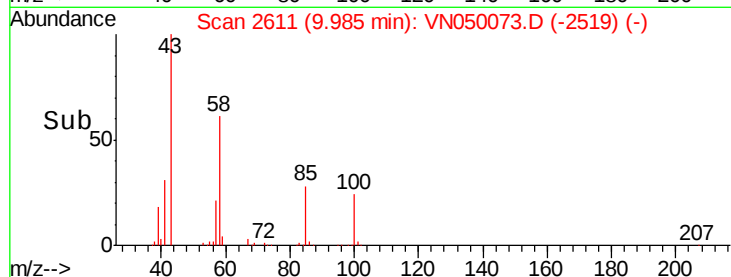
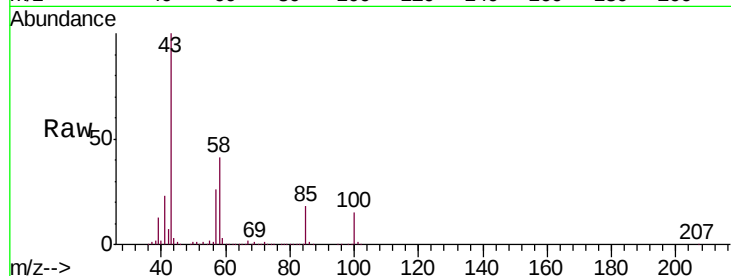
#51
4-Methyl-2-Pentanone
Concen: 233.44 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1792085
Ion Ratio Lower Upper
43 100
58 40.4 31.9 47.9

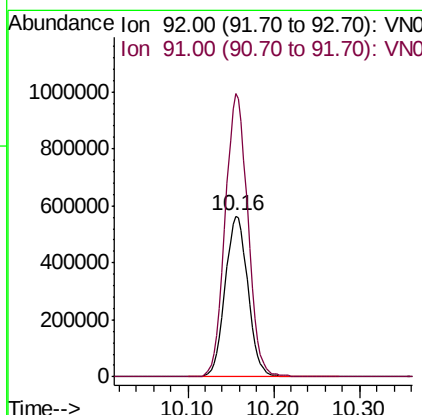
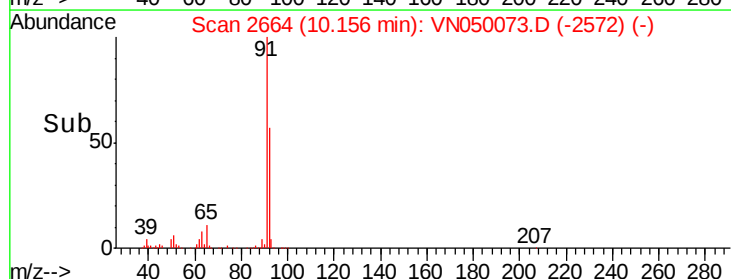
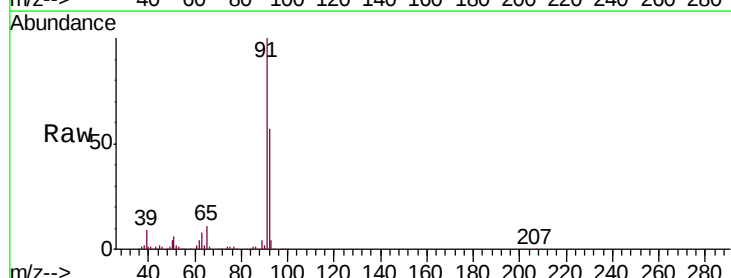
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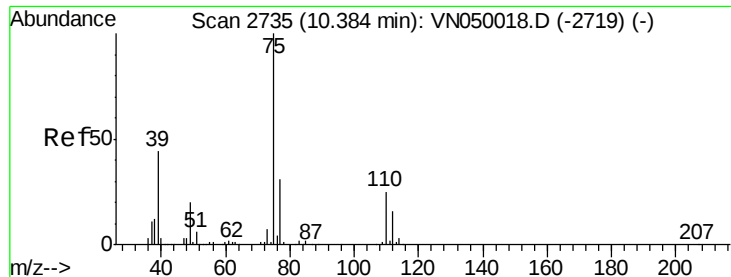
MMDadoda
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#52
Toluene
Concen: 51.59 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion: 92 Resp: 1037919
Ion Ratio Lower Upper
92 100
91 175.7 140.3 210.5





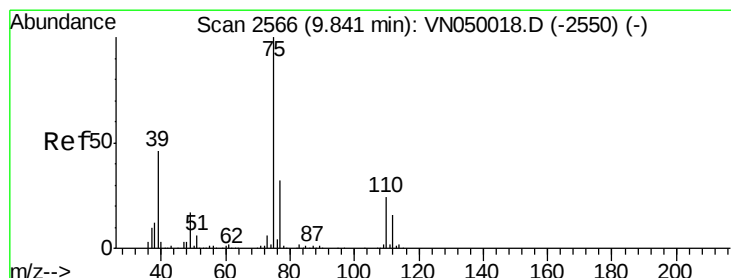
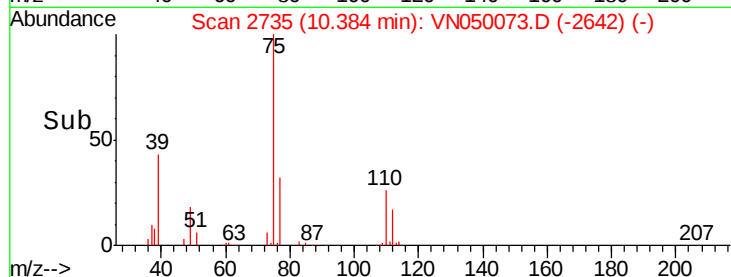
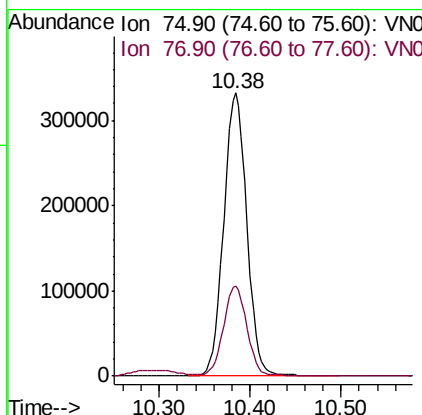
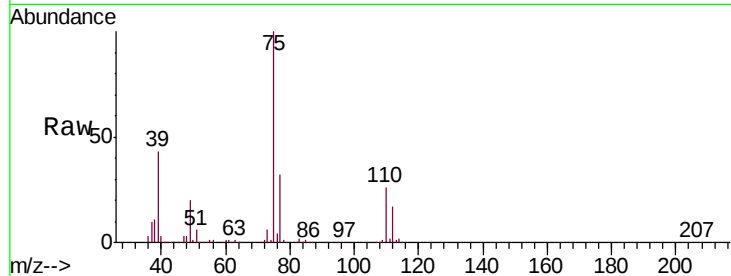
#53
t-1,3-Dichloropropene
Concen: 52.38 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.9	37.3

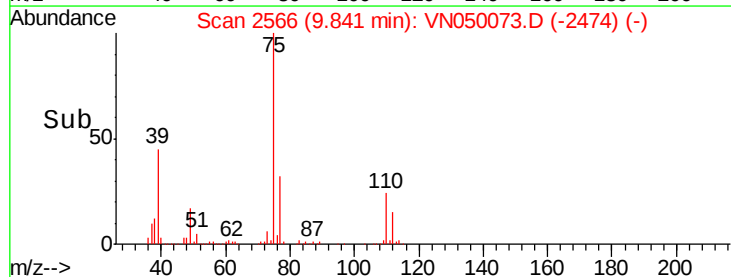
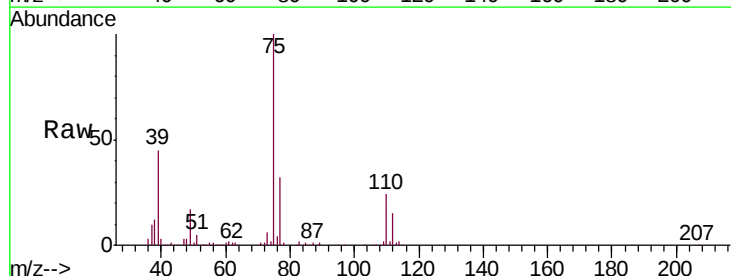
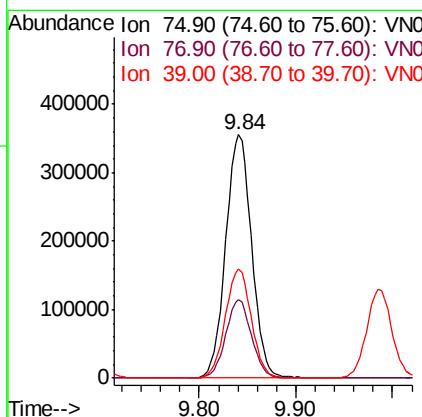
Manual Integrations
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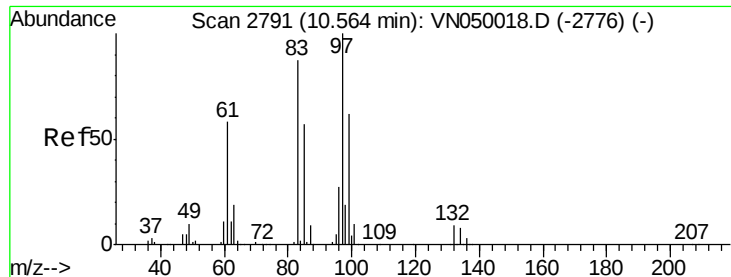
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#54
cis-1,3-Dichloropropene
Concen: 51.97 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.5	38.3
39	45.0	36.6	55.0





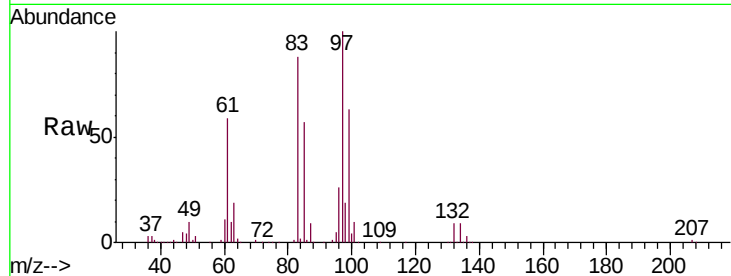
#55
 1,1,2-Trichloroethane
 Concen: 47.35 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.2	103.8
85	56.8	44.0	66.0
99	62.8	49.9	74.9

Manual Integrations
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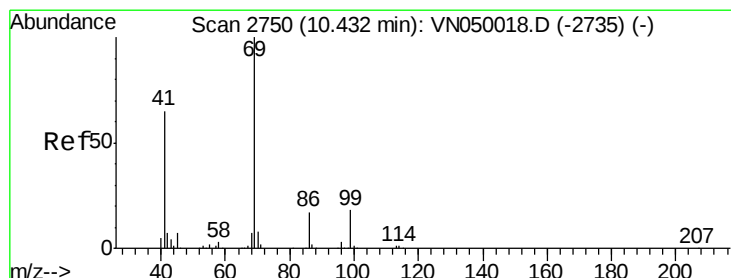
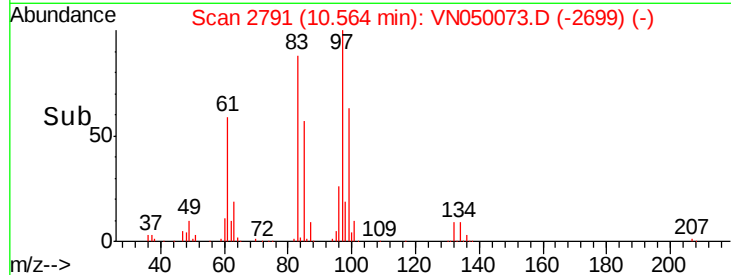
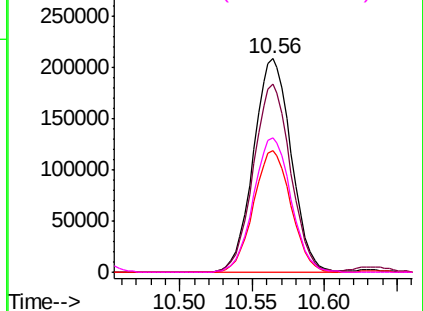
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 44.93 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

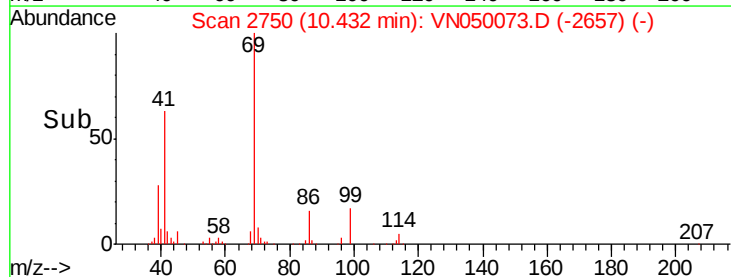
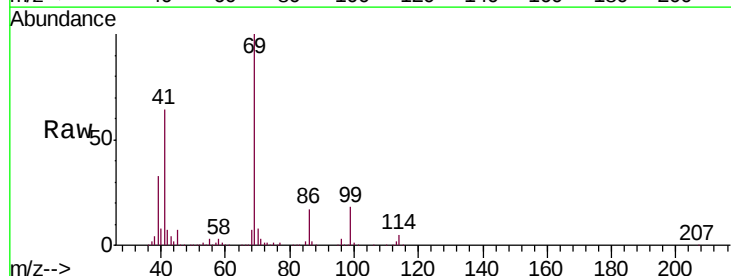
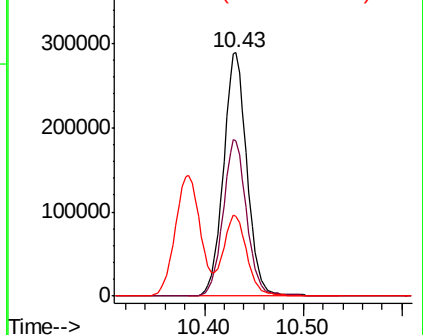
Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.1	51.0	76.4
39	32.5	26.6	40.0

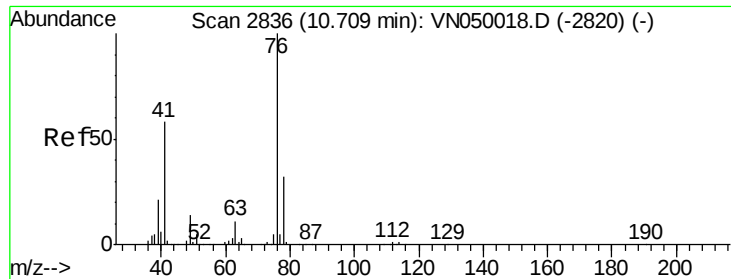
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 48.70 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 632881

Ion Ratio Lower Upper

76 100

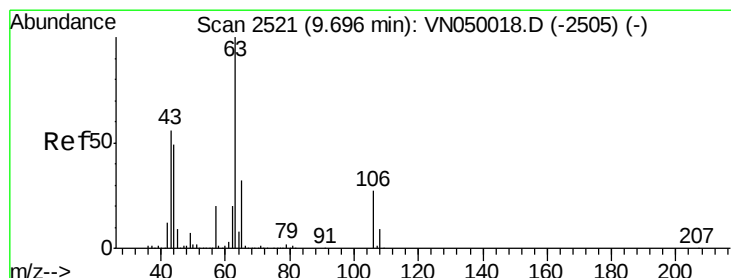
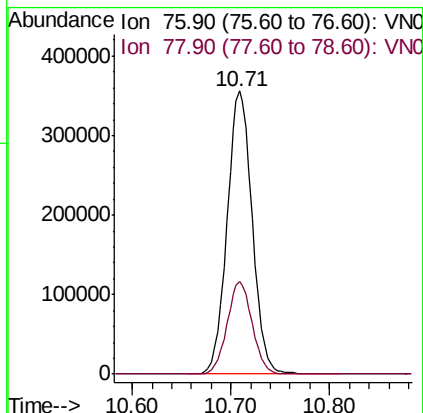
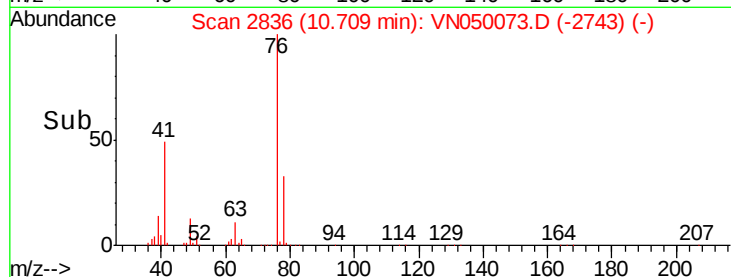
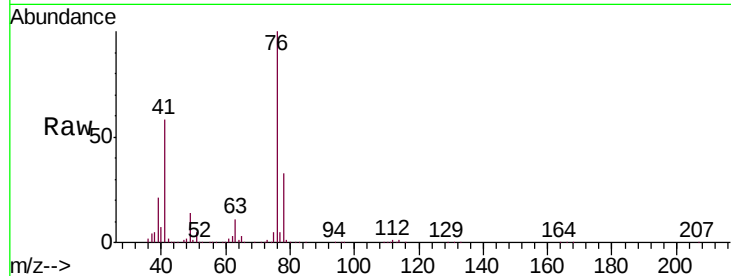
78 32.7 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 233.60 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050073.D

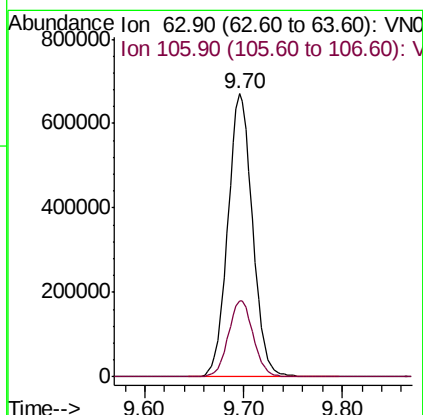
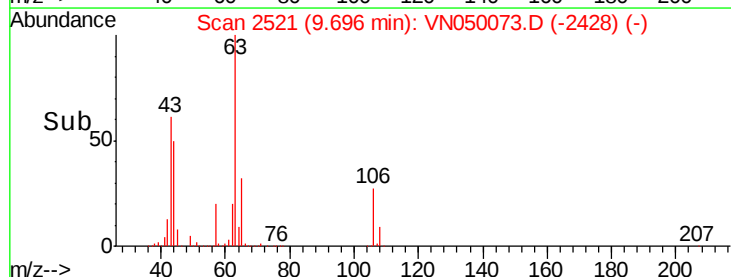
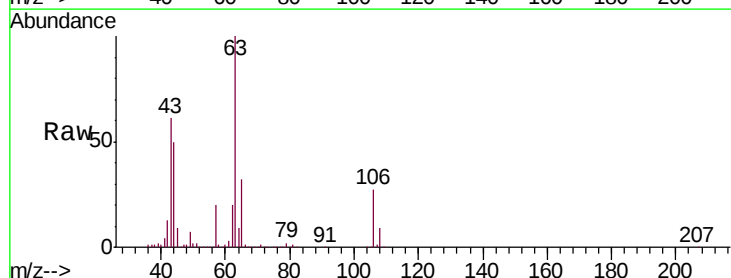
Acq: 26 Jul 2018 10:53

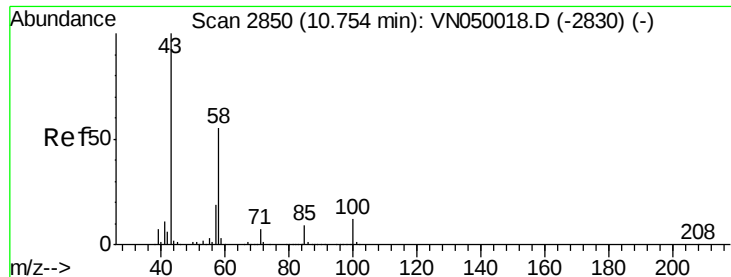
Tgt Ion: 63 Resp: 1176870

Ion Ratio Lower Upper

63 100

106 27.2 21.7 32.5





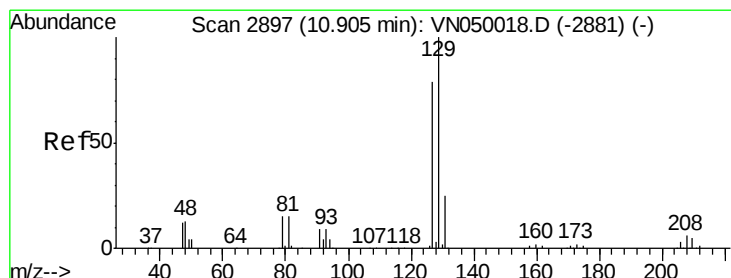
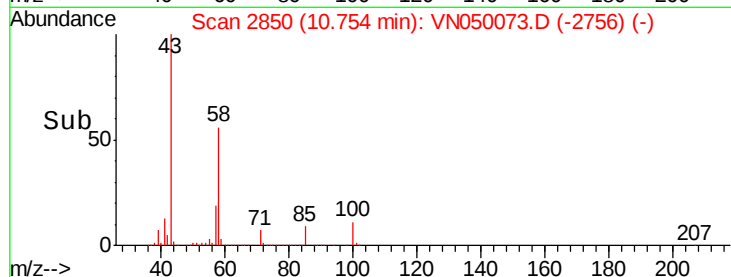
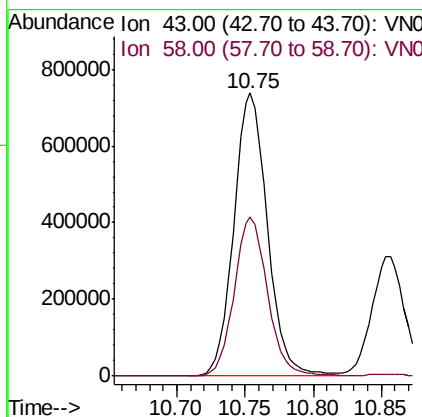
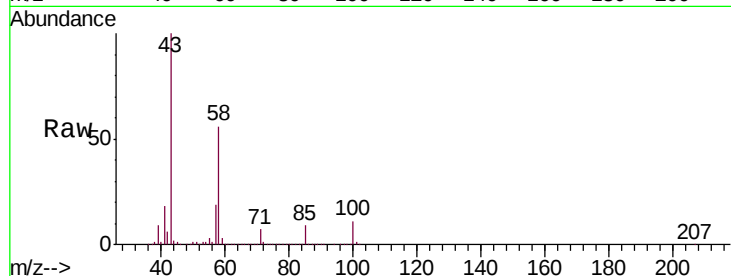
#59
2-Hexanone
Concen: 223.15 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1255627
Ion Ratio Lower Upper
43 100
58 56.0 27.6 82.7

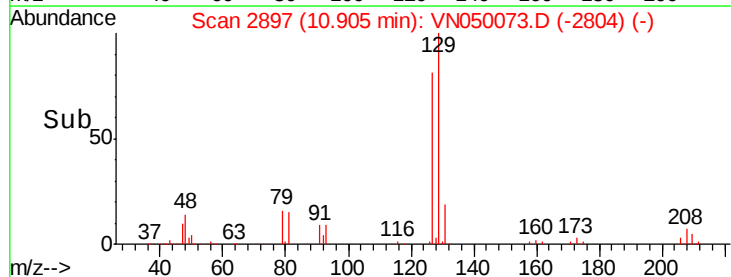
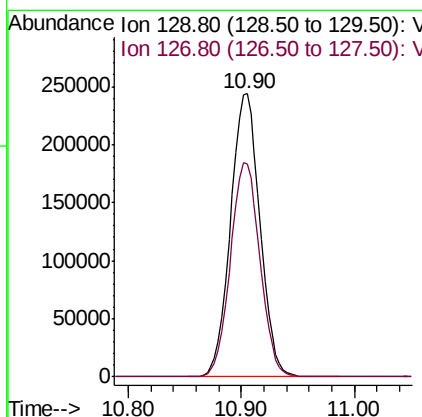
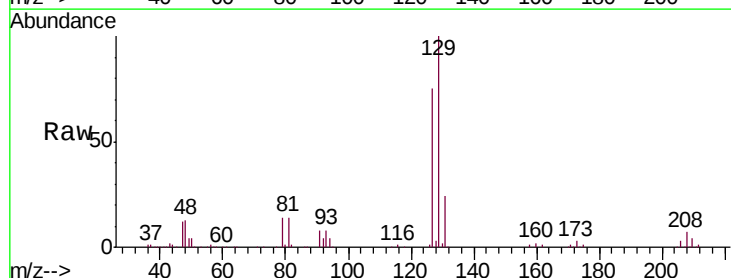
Manual Integrations
APPROVED

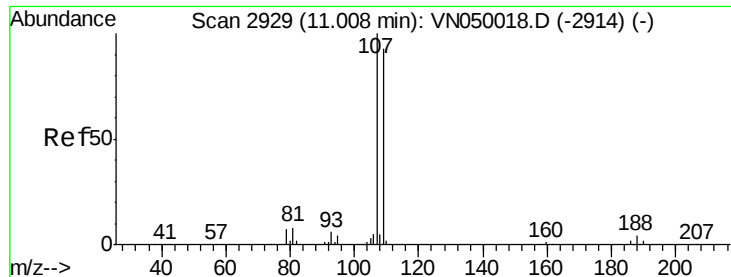
MMDadoda
7/27/2018 12:15:24 PM



#60
Dibromochloromethane
Concen: 49.86 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion: 129 Resp: 440540
Ion Ratio Lower Upper
129 100
127 76.2 38.0 113.9





#61

1,2-Dibromoethane

Concen: 47.80 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 378504

Ion Ratio Lower Upper

107 100

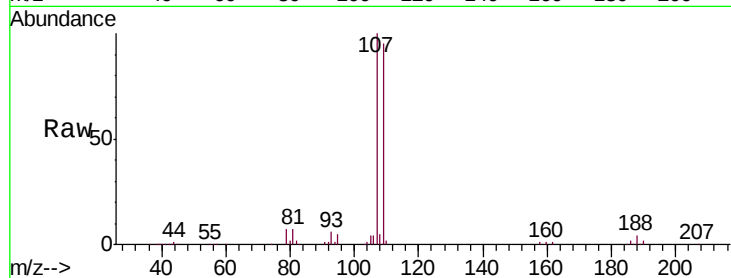
109 94.3 74.6 112.0

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

250000

200000

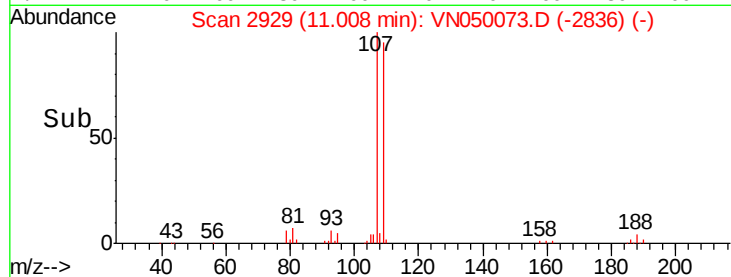
150000

100000

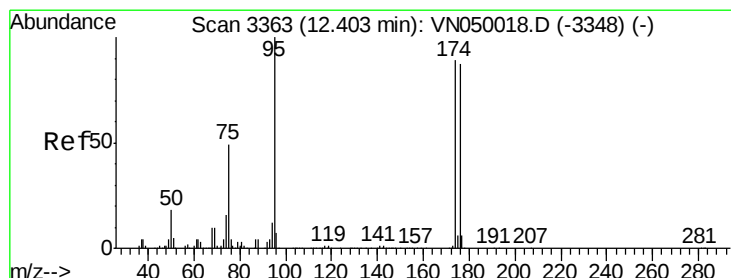
50000

0

Time-->



Time-->



#62

4-Bromofluorobenzene

Concen: 53.86 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

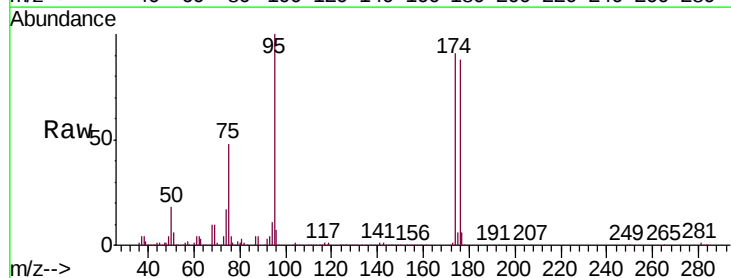
Tgt Ion: 95 Resp: 529289

Ion Ratio Lower Upper

95 100

174 90.1 0.0 178.2

176 86.9 0.0 173.4



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

400000

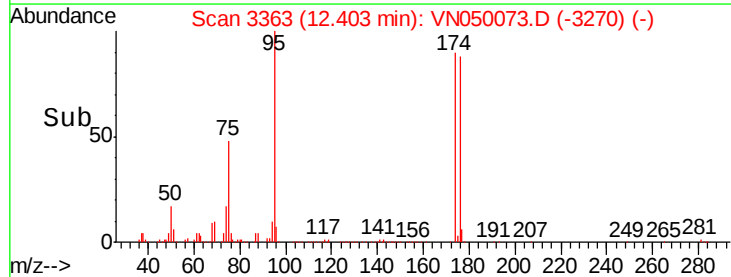
300000

200000

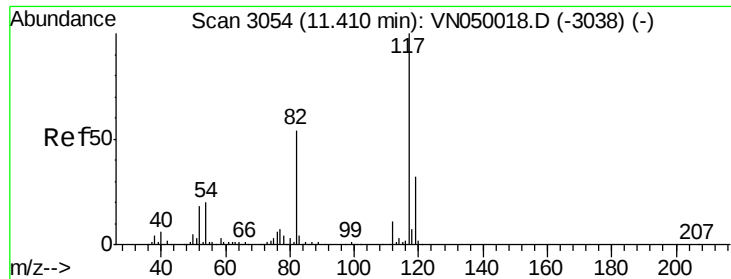
100000

0

Time-->



Time-->



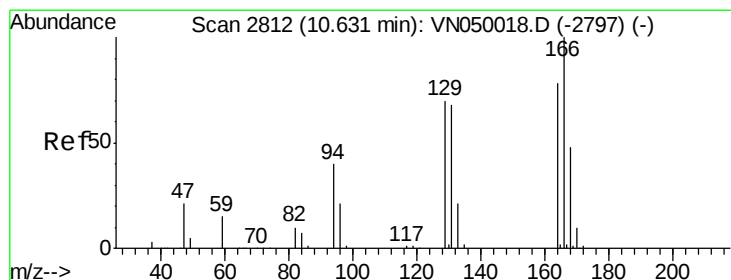
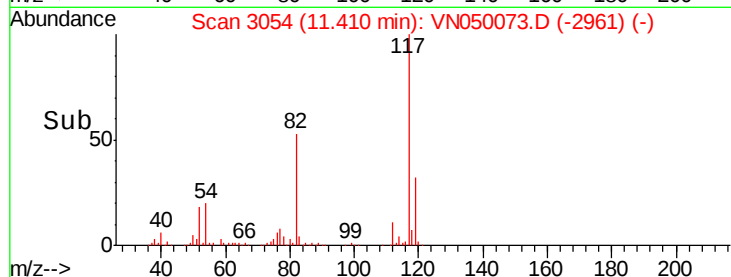
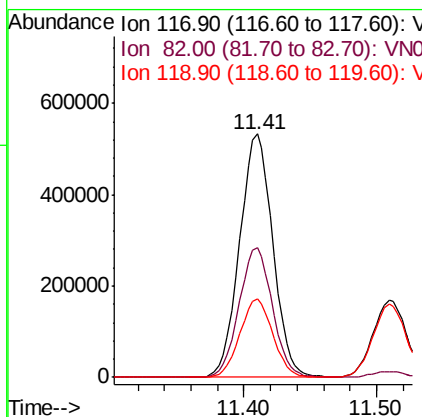
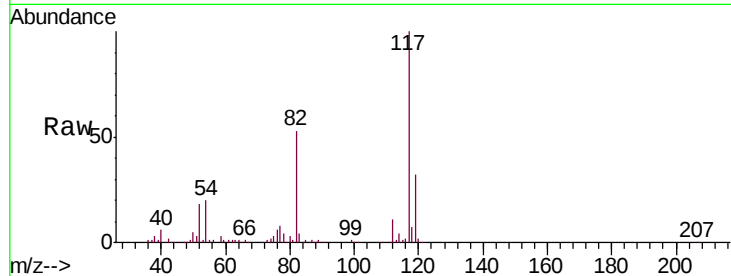
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	43.7	65.5
119	32.2	26.1	39.1

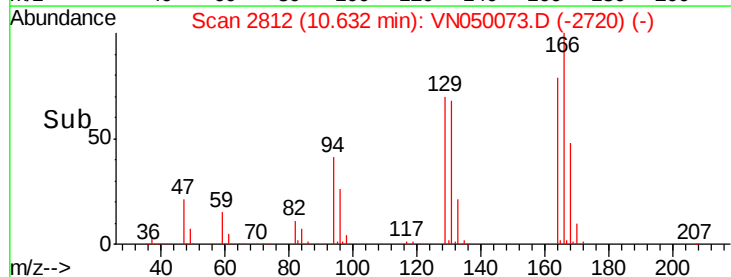
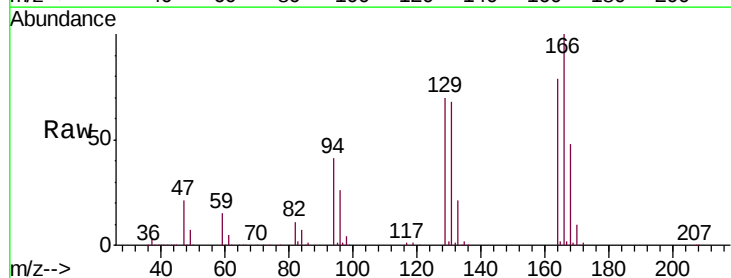
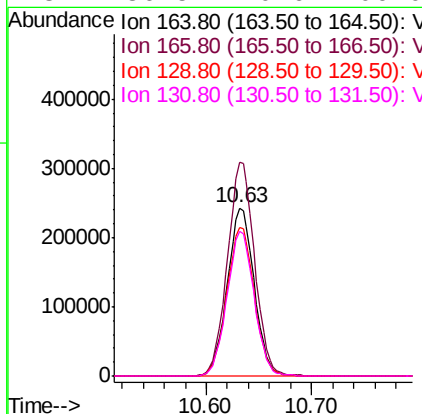
Manual Integrations
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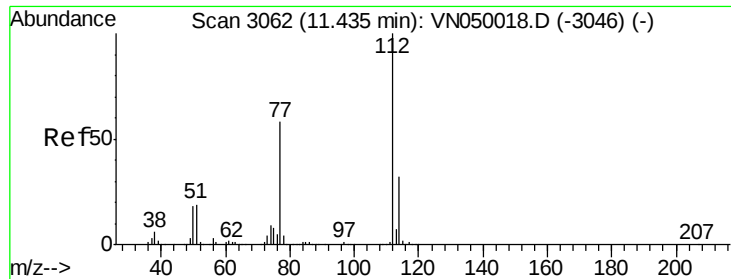
MMDadoda
7/27/2018 12:15:24 PM



#64
Tetrachloroethene
Concen: 47.90 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	102.1	153.1
129	88.5	73.2	109.8
131	86.5	70.6	106.0





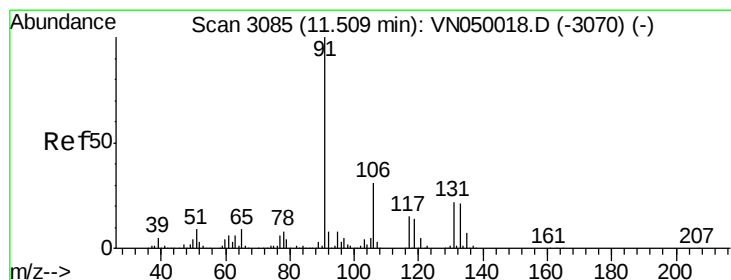
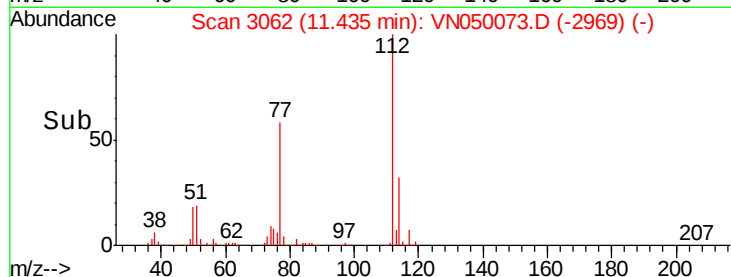
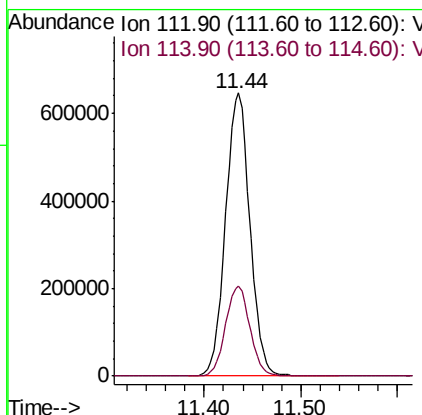
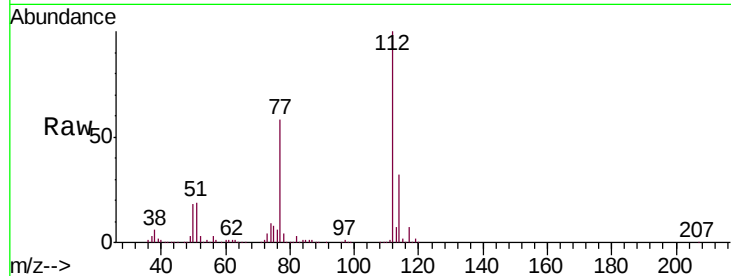
#65
Chlorobenzene
Concen: 48.19 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1128356
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4

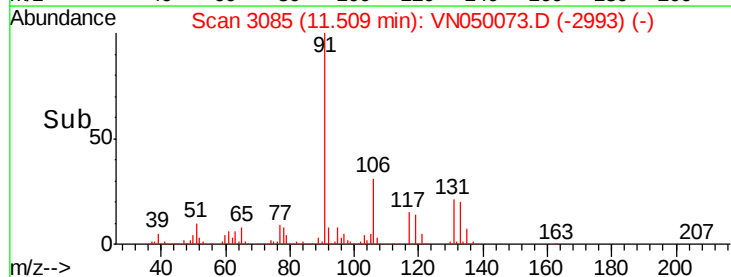
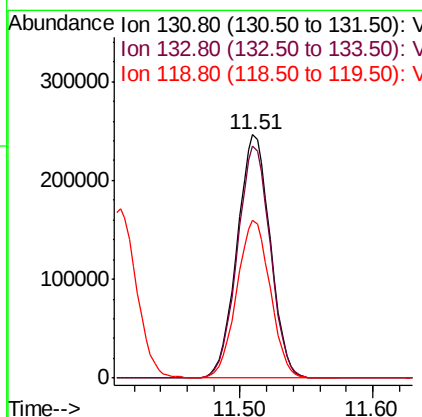
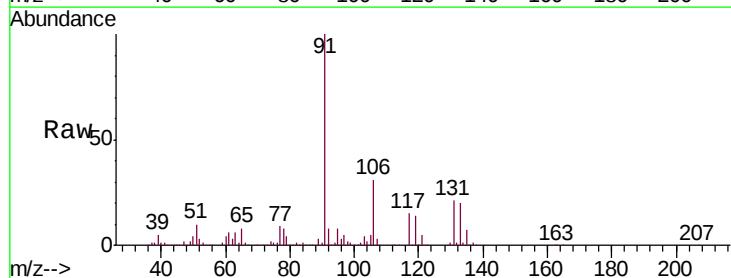
Manual Integrations
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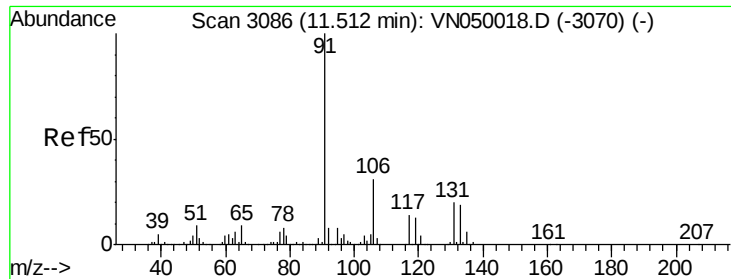
MMDadoda
7/27/2018 12:15:24 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.43 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion:131 Resp: 426723
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.9
119 65.5 32.9 98.7





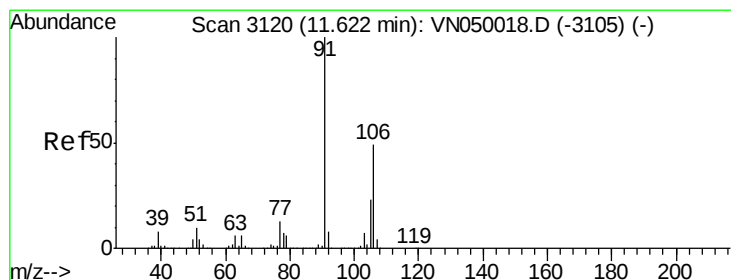
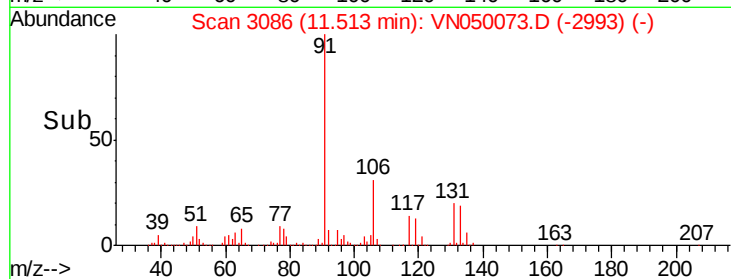
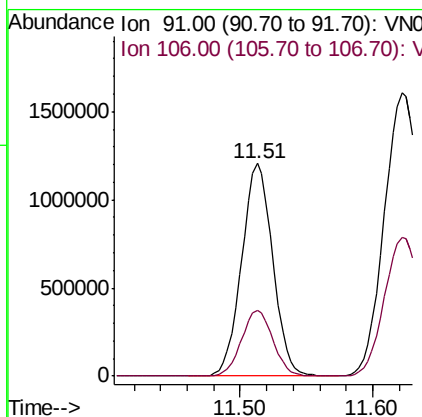
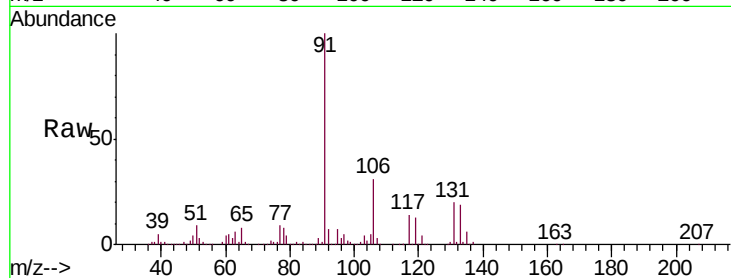
#67
Ethyl Benzene
Concen: 52.38 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1970028
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.4

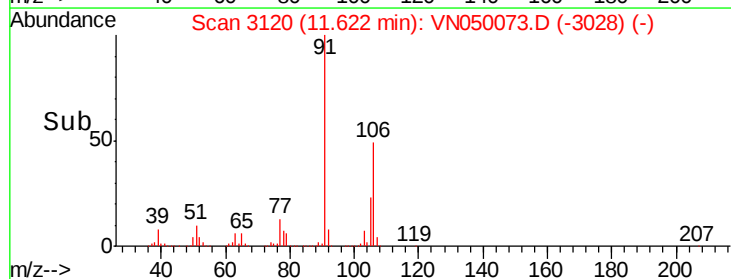
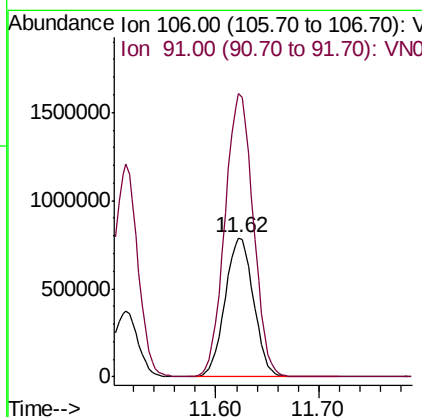
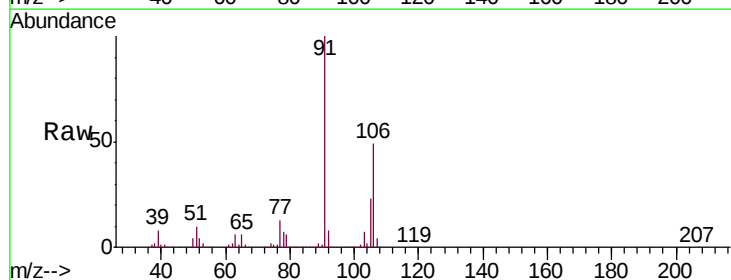
Manual Integrations
APPROVED

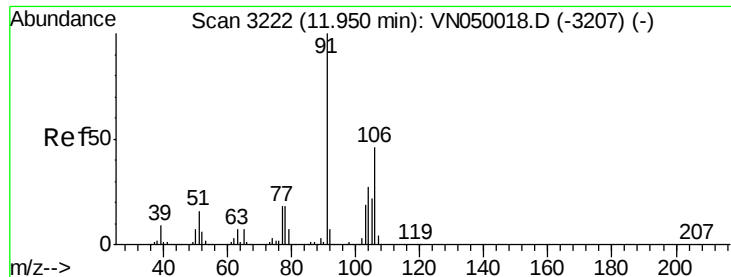
MMDadoda
7/27/2018 12:15:24 PM



#68
m/p-Xylenes
Concen: 106.65 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion: 106 Resp: 1517338
Ion Ratio Lower Upper
106 100
91 203.5 162.2 243.2





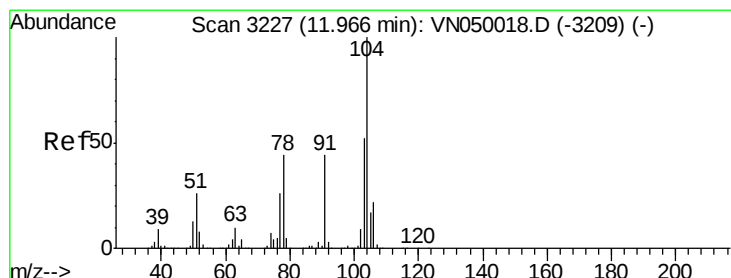
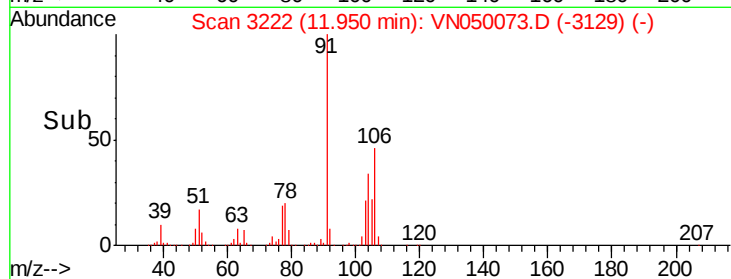
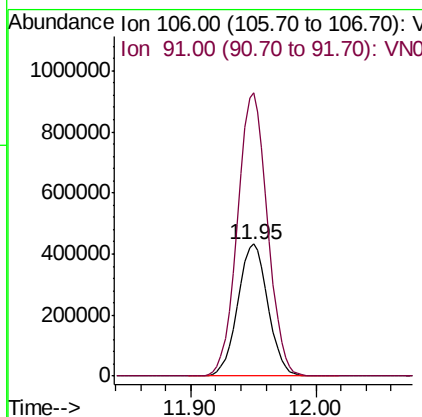
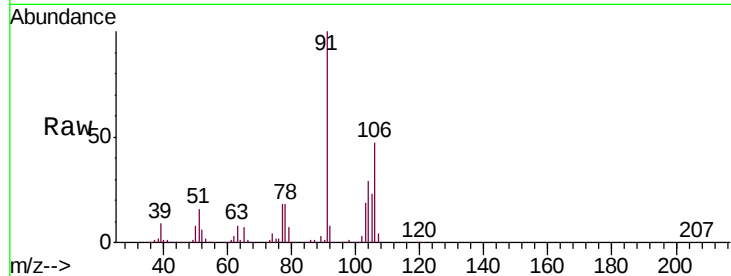
#69
o-Xylene
Concen: 53.14 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 720714
Ion Ratio Lower Upper
106 100
91 213.9 107.7 323.1

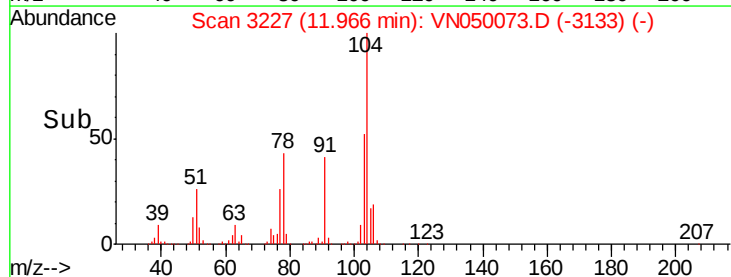
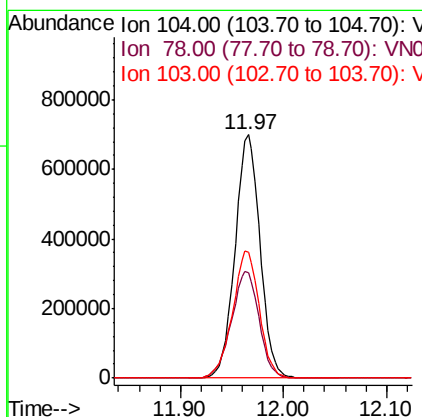
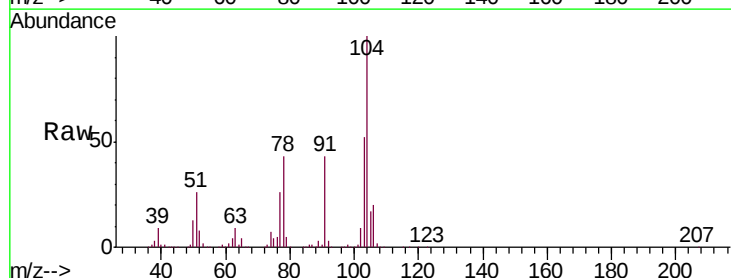
Manual Integrations
APPROVED

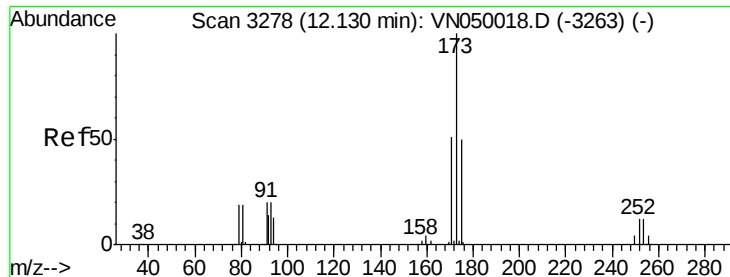
MMDadoda
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#70
Styrene
Concen: 48.97 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion:104 Resp: 1180852
Ion Ratio Lower Upper
104 100
78 48.6 39.3 58.9
103 55.8 45.0 67.6





#71

Bromoform

Concen: 47.00 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

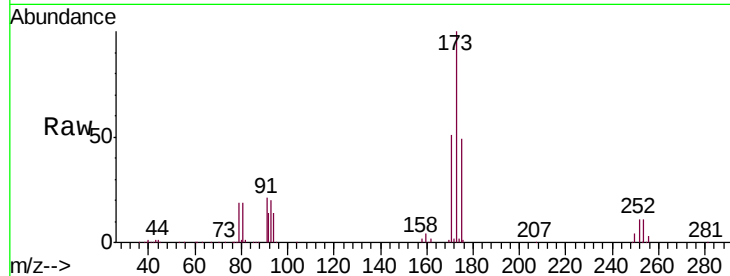
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.2
254	0.1	0.2	0.2#

Manual Integrations
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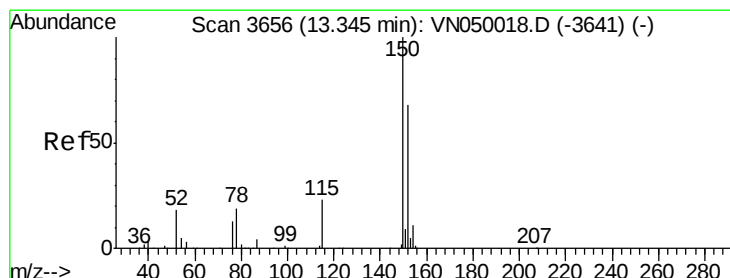
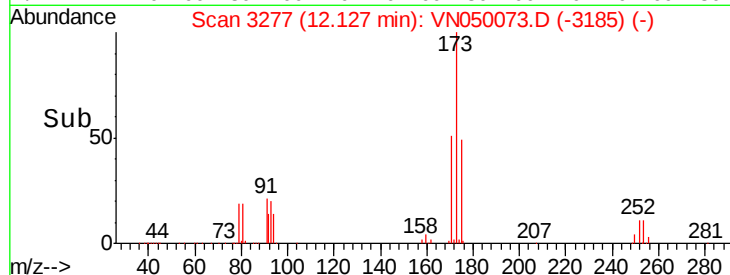
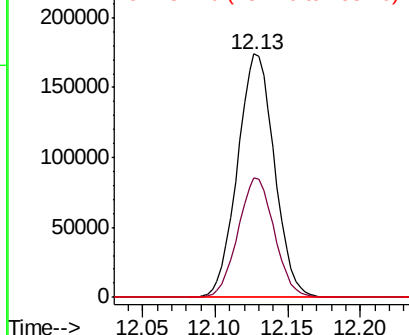


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

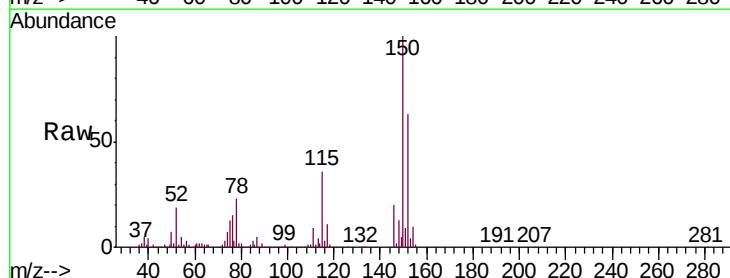
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	27.8	83.3
150	174.0	0.0	348.6

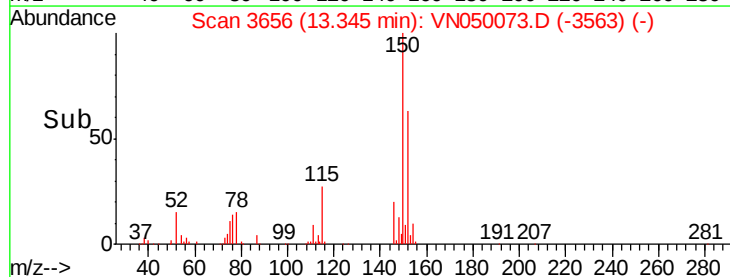
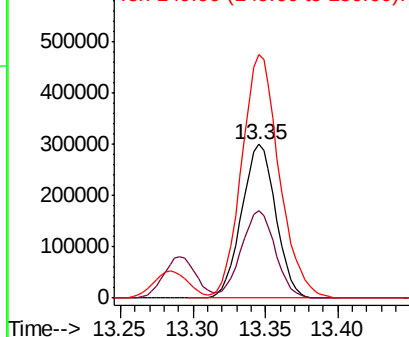


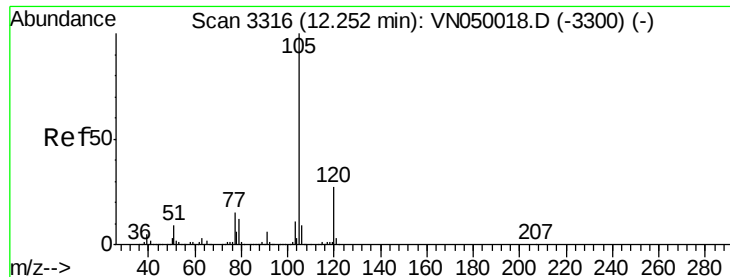
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.24 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 105 Resp: 1951468

Ion Ratio Lower Upper

105 100

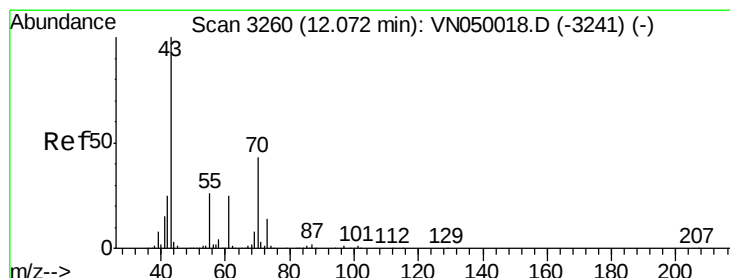
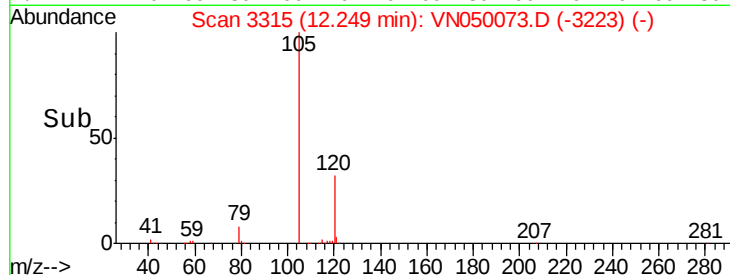
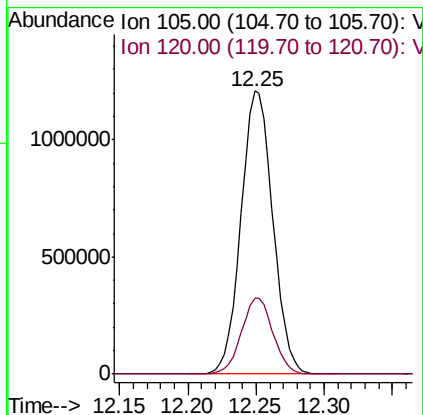
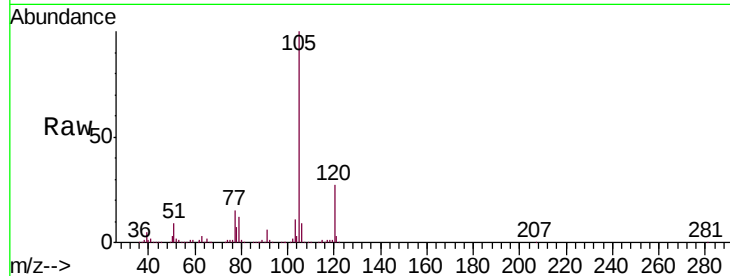
120 26.7 13.3 39.8

Manual Integrations

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7/27/2018 12:15:24 PM



#74

N-ethyl acetate

Concen: 46.13 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Tgt Ion: 43 Resp: 536886

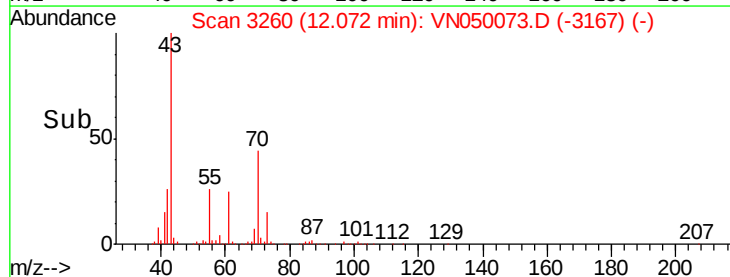
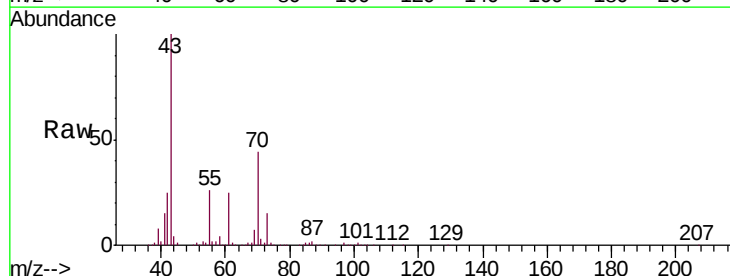
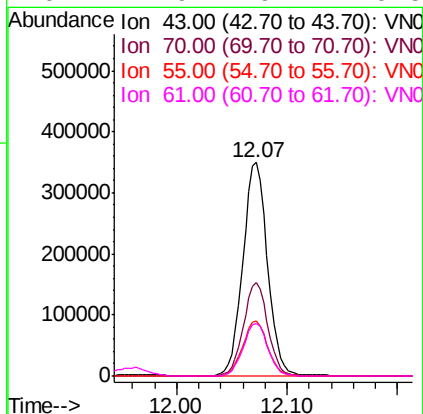
Ion Ratio Lower Upper

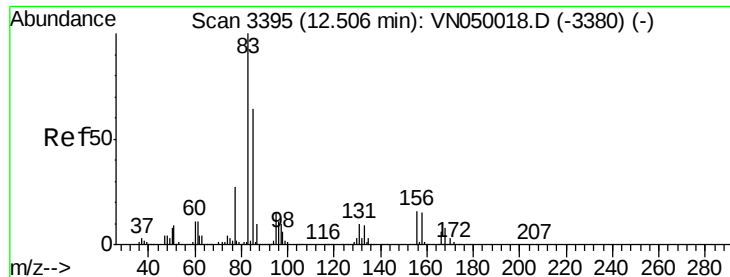
43 100

70 43.5 34.4 51.6

55 26.3 20.8 31.2

61 24.9 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.90 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 478176
Ion Ratio Lower Upper

83 100

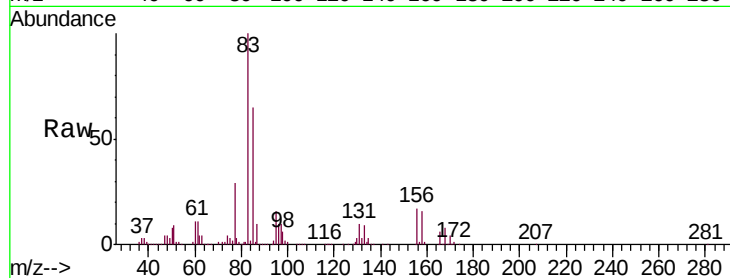
131 10.1 5.1 15.3

85 65.0 32.3 96.8

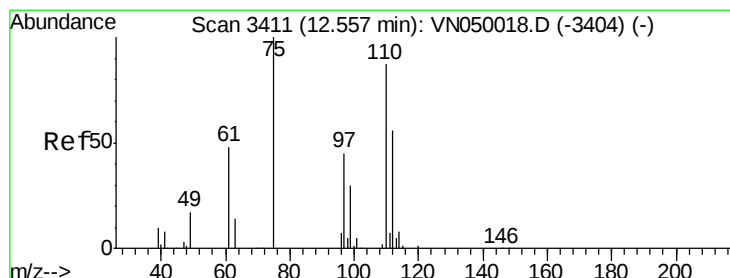
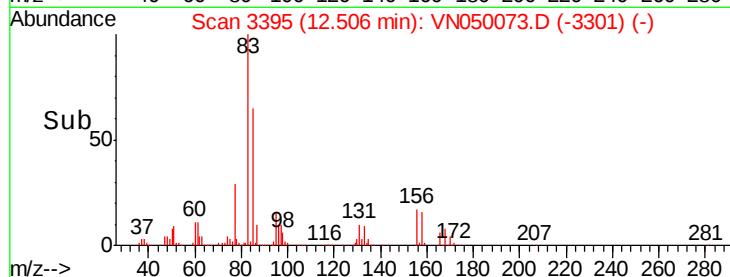
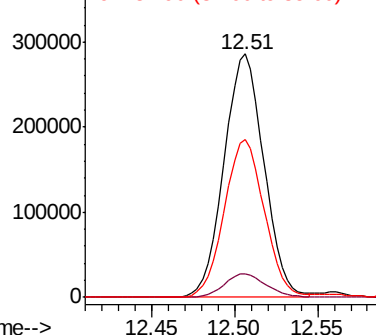
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN0
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 45.31 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

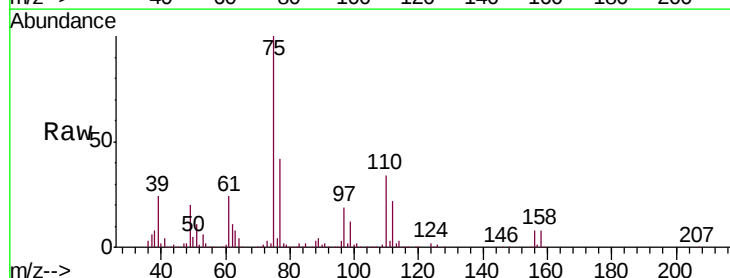
Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

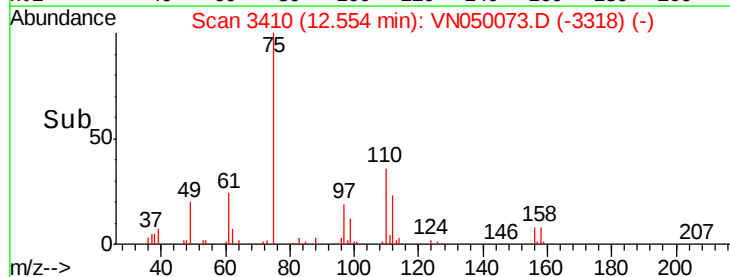
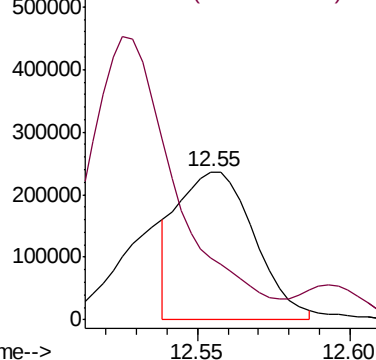
Tgt Ion: 75 Resp: 413479
Ion Ratio Lower Upper

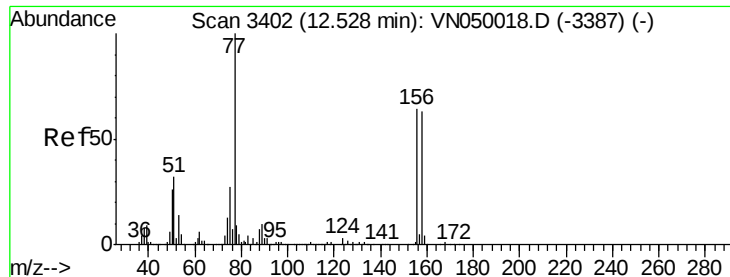
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





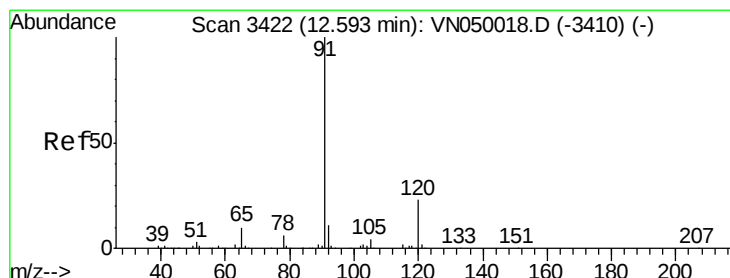
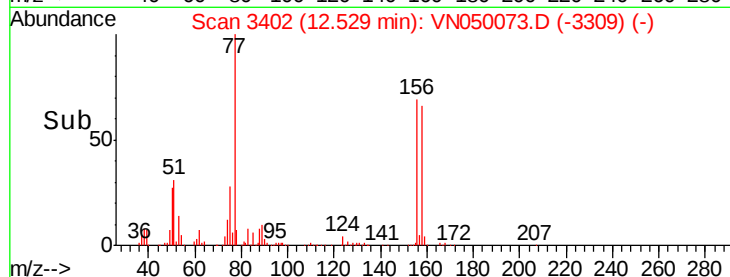
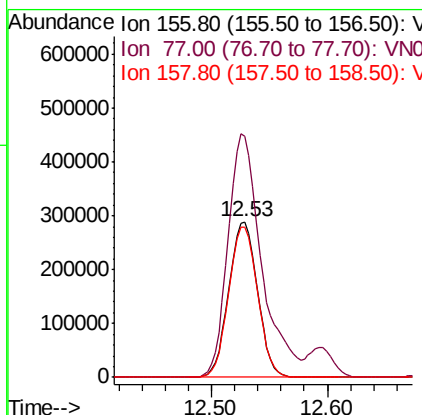
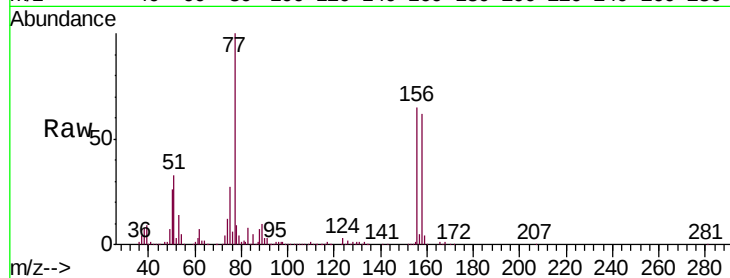
#77
Bromobenzene
Concen: 46.69 ug/l
RT: 12.53 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	183.7	91.7	275.1
158	97.5	48.9	146.6

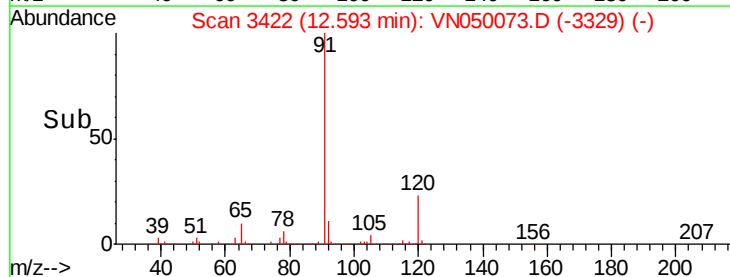
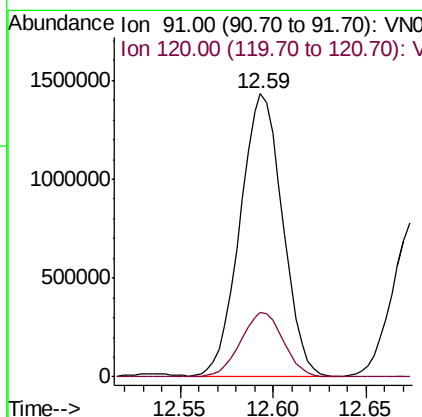
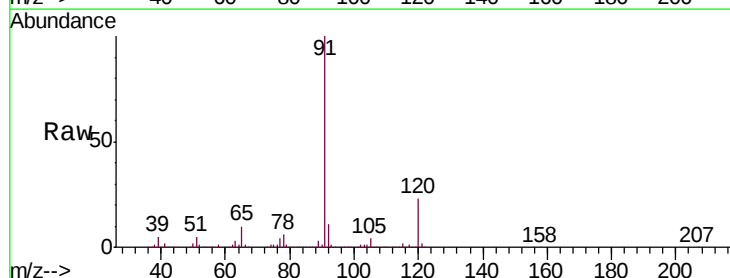
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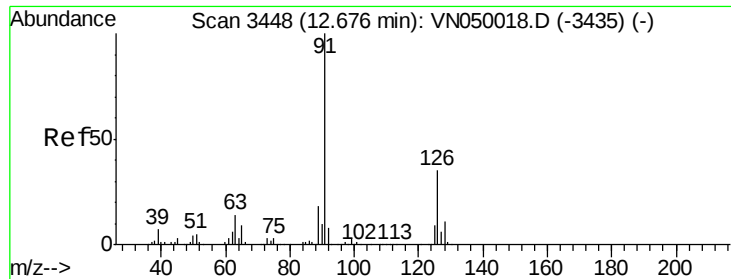
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#78
n-propylbenzene
Concen: 53.41 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.6	34.7





#79

2-Chlorotoluene

Concen: 50.26 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1326159

Ion Ratio Lower Upper

91 100

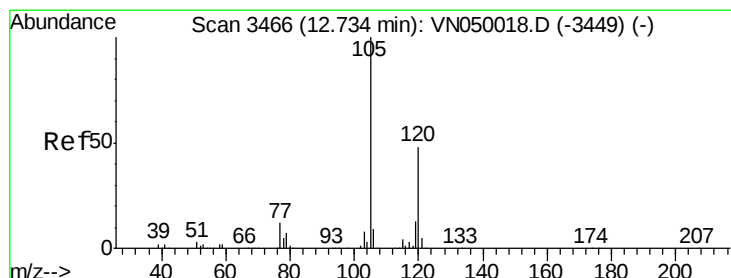
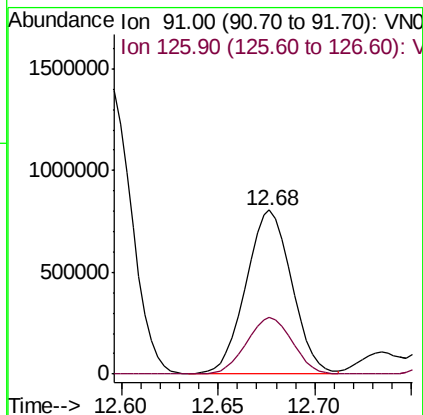
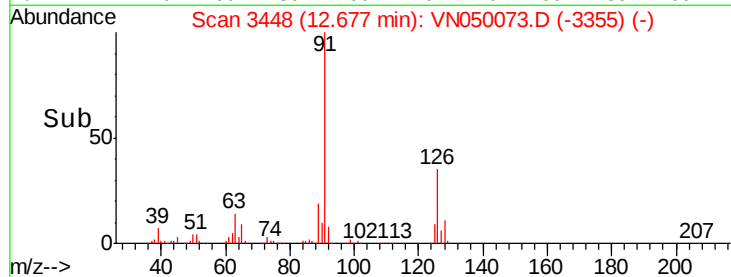
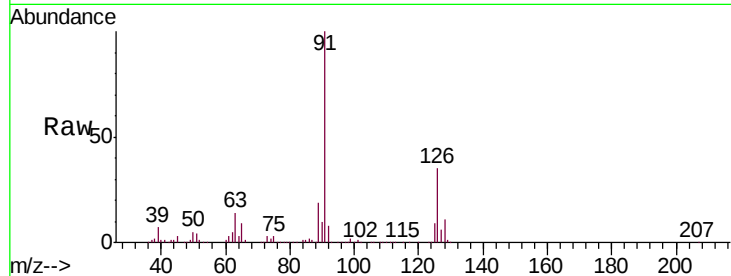
126 35.0 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 53.85 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050073.D

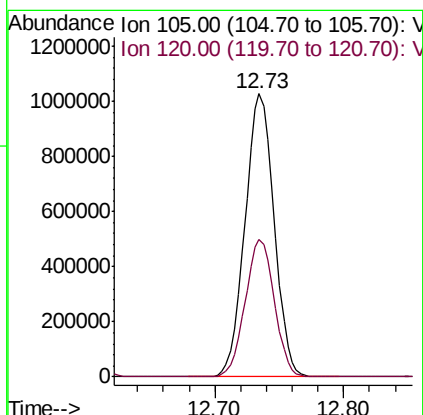
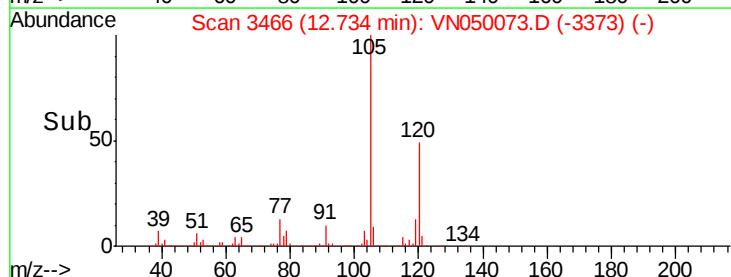
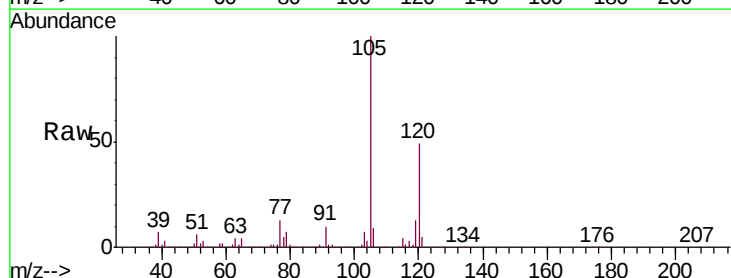
Acq: 26 Jul 2018 10:53

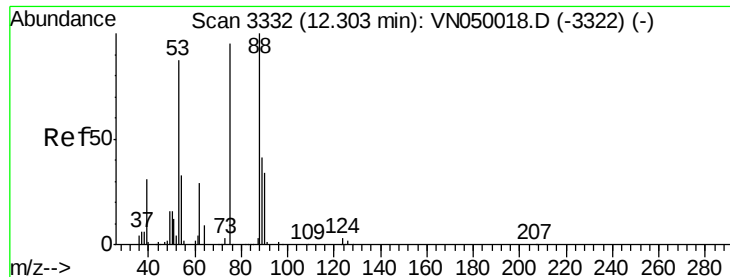
Tgt Ion:105 Resp: 1613066

Ion Ratio Lower Upper

105 100

120 48.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 48.93 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

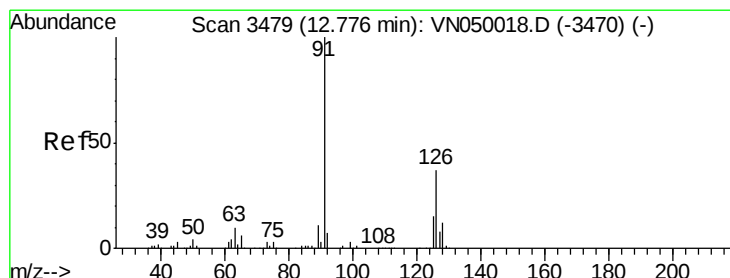
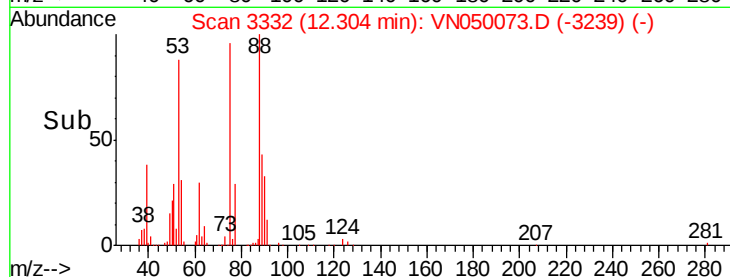
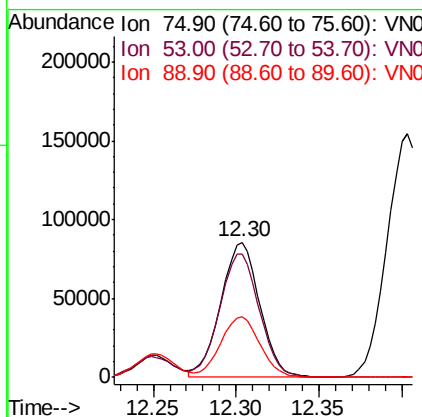
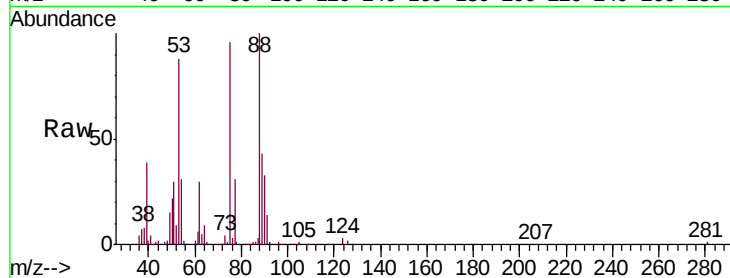
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	140795
Ion	Ratio	Lower	Upper
75	100		
53	92.9	73.5	110.3
89	45.1	36.0	54.0

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#82

4-Chlorotoluene

Concen: 51.21 ug/l

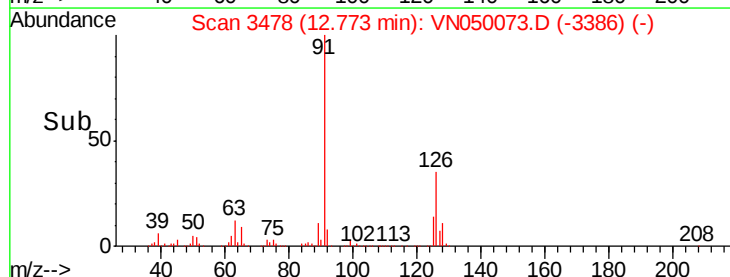
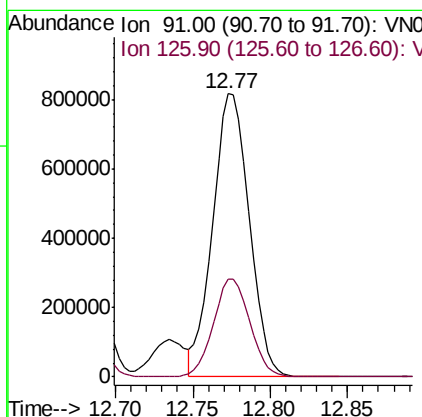
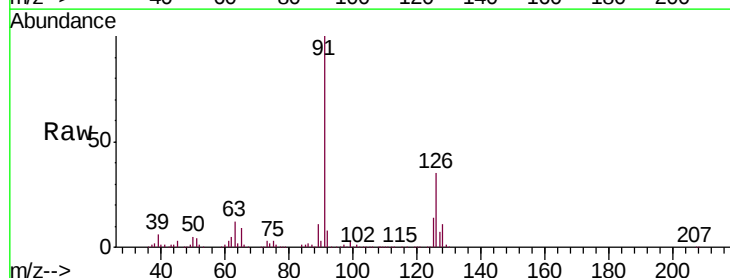
RT: 12.77 min Scan# 3478

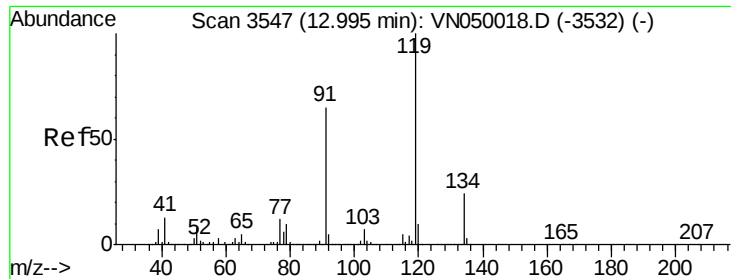
Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Tgt Ion:	91	Resp:	1337893
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.0	51.0





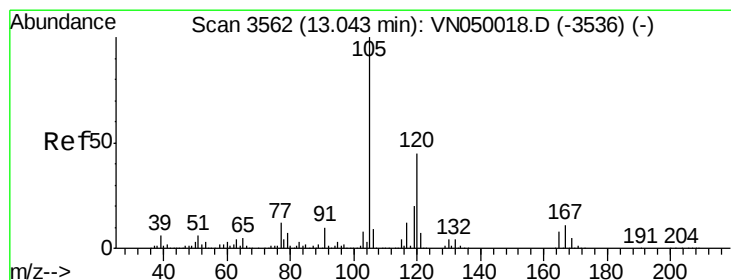
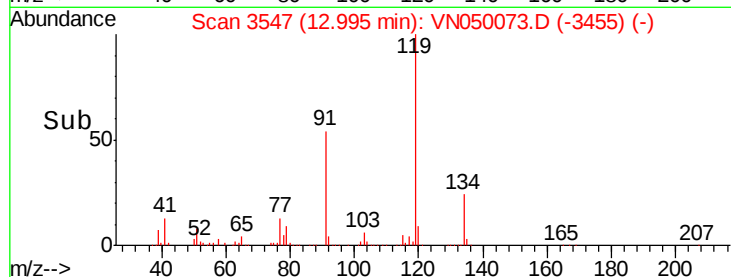
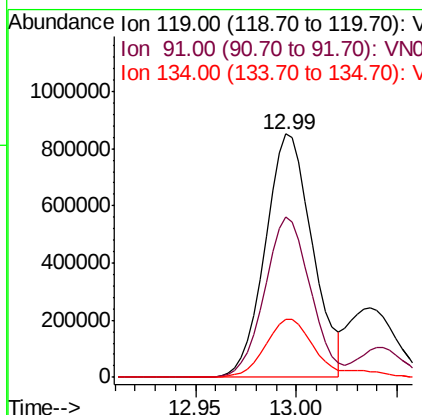
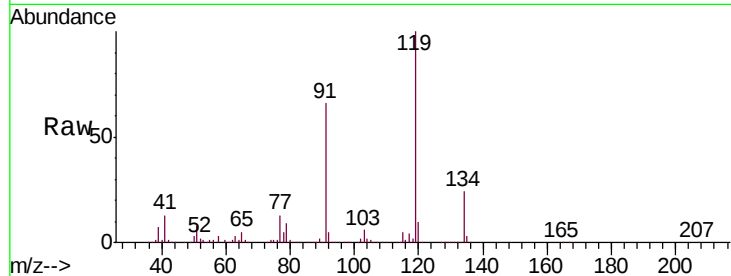
#83
 tert-Butylbenzene
 Concen: 52.88 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:119 Resp: 1382497
 Ion Ratio Lower Upper
 119 100
 91 64.1 32.1 96.3
 134 24.5 13.2 39.5

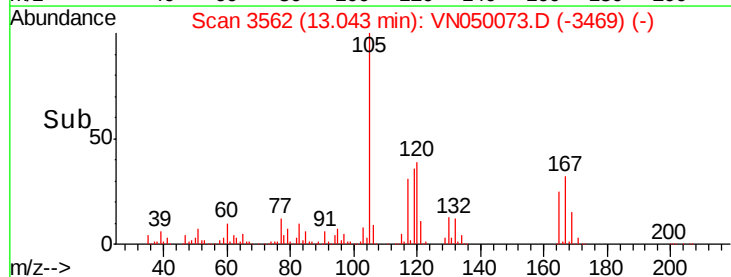
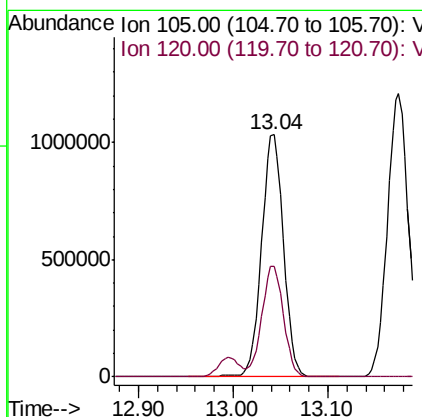
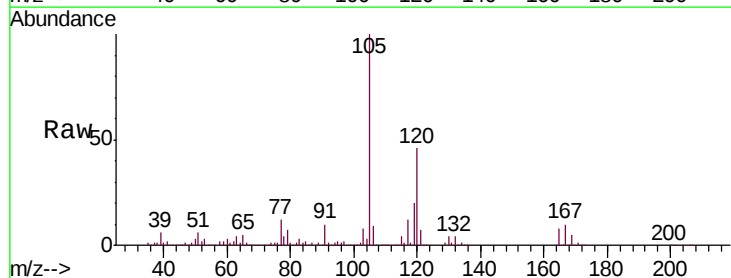
Manual Integrations
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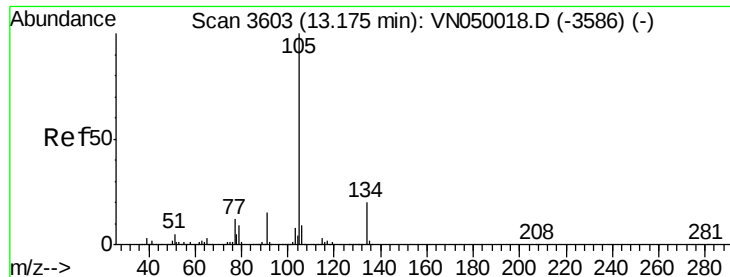
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.87 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Tgt Ion:105 Resp: 1656676
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.9 68.7





#85

sec-Butylbenzene

Concen: 53.75 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1877379

Ion Ratio Lower Upper

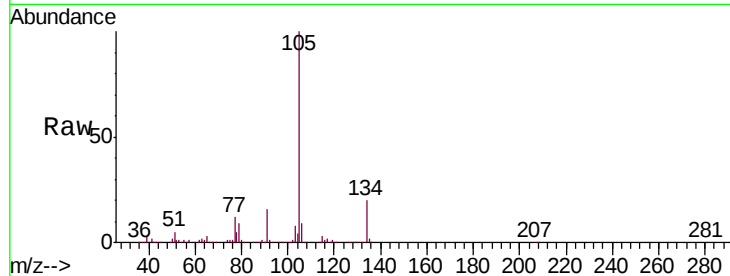
105 100

134 20.1 10.1 30.1

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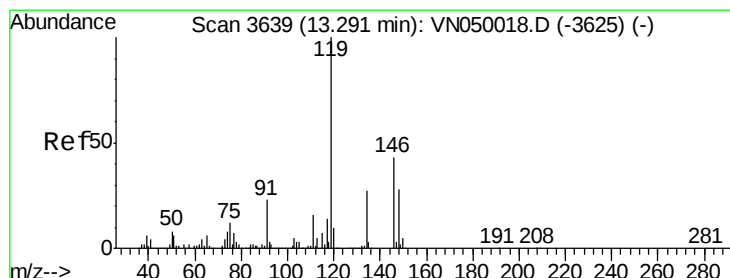
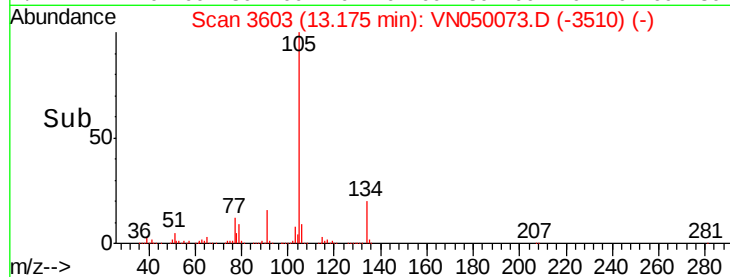
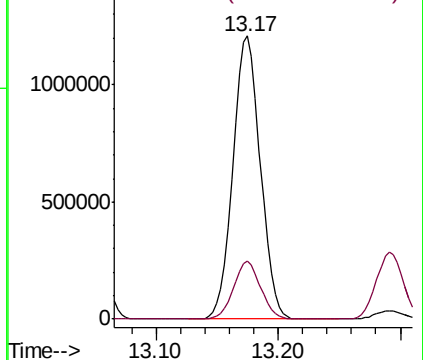
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.71 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

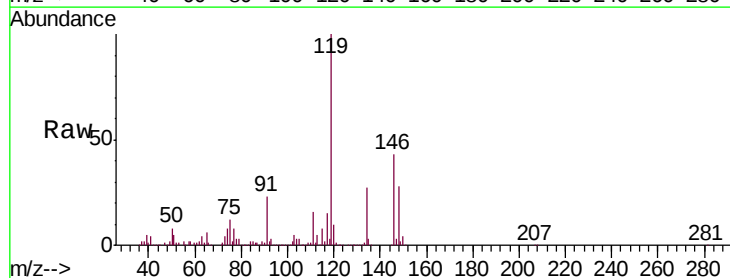
Tgt Ion:119 Resp: 1639742

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

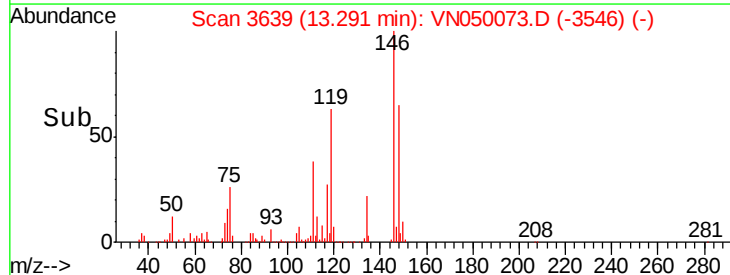
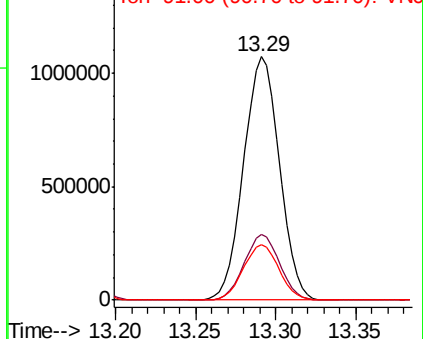
91 22.7 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





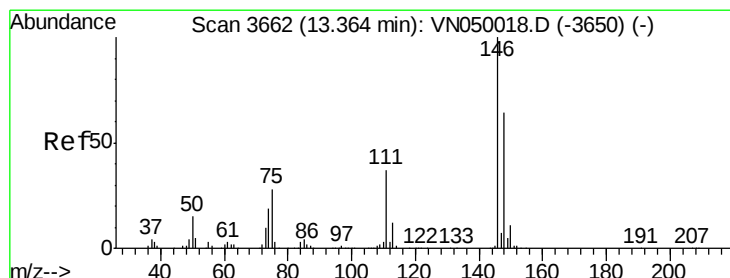
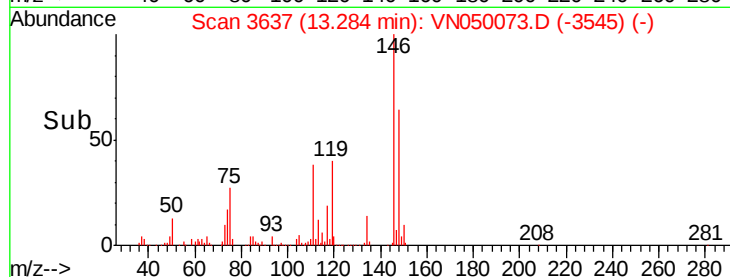
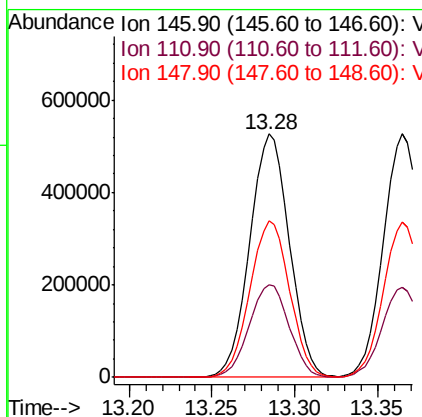
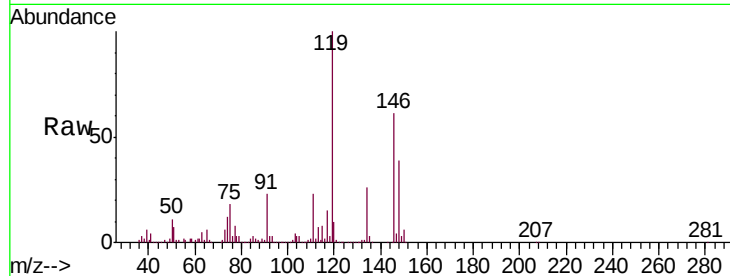
#87
 1,3-Dichlorobenzene
 Concen: 48.93 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.8	56.4
148	64.4	31.9	95.9

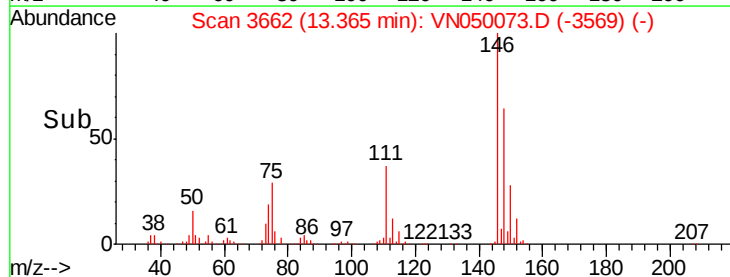
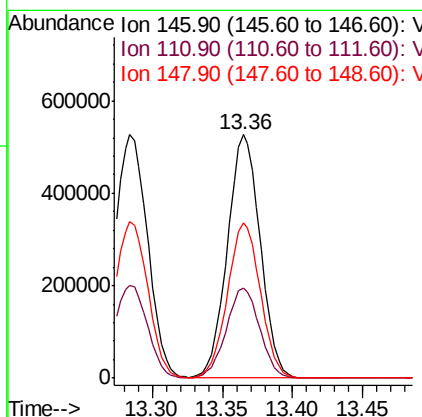
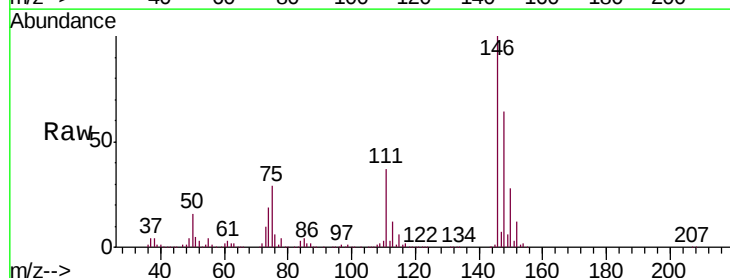
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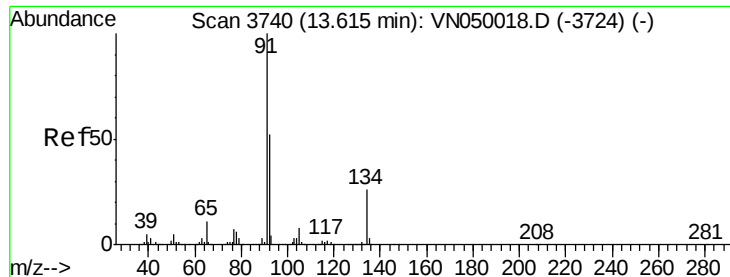
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#88
 1,4-Dichlorobenzene
 Concen: 49.05 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.3	54.9
148	64.1	31.9	95.9





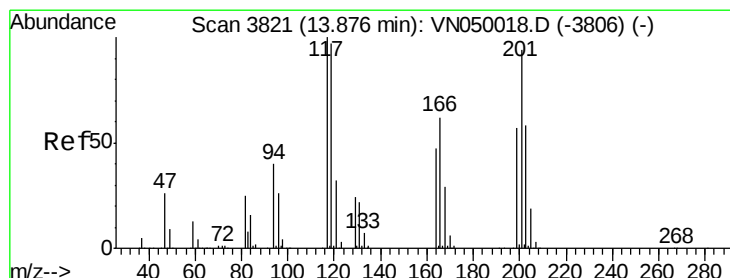
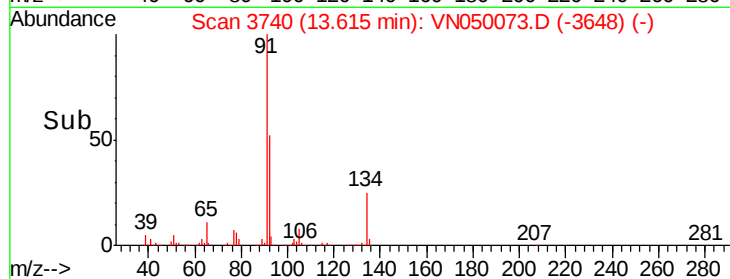
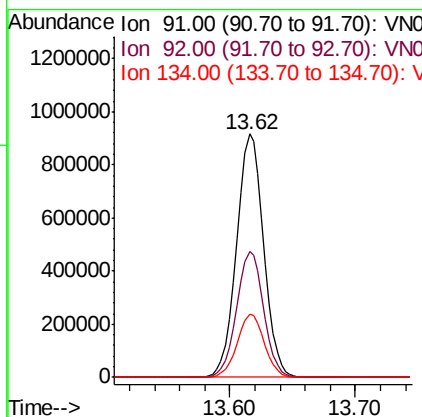
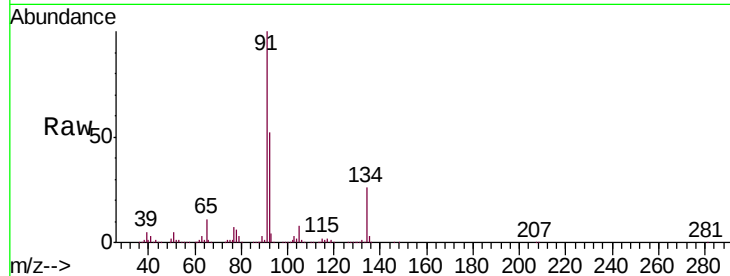
#89
n-Butylbenzene
Concen: 56.53 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.8	77.4
134	26.0	12.8	38.4

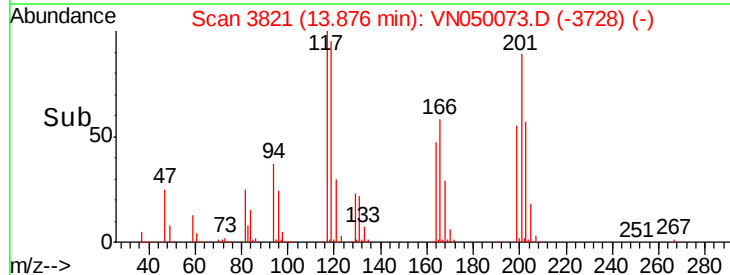
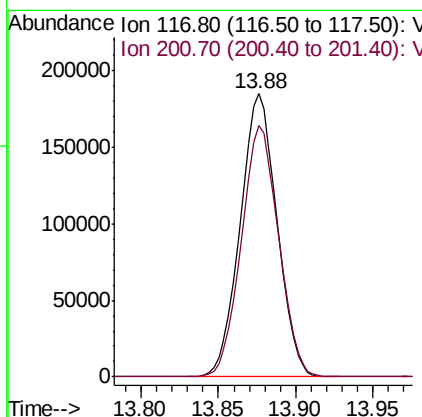
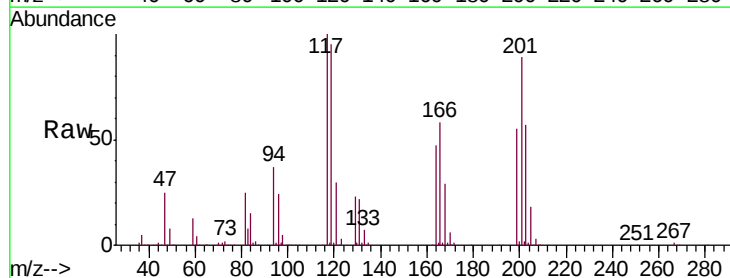
Manual Integrations
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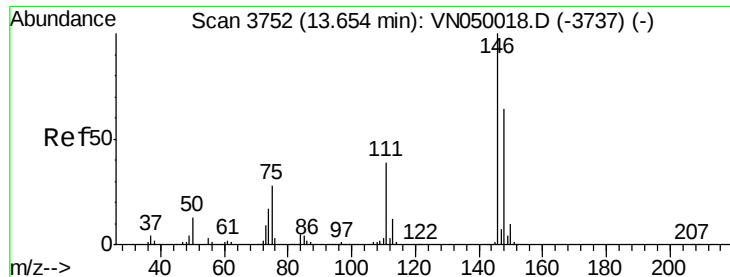
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#90
Hexachloroethane
Concen: 46.84 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.6	45.6	136.8





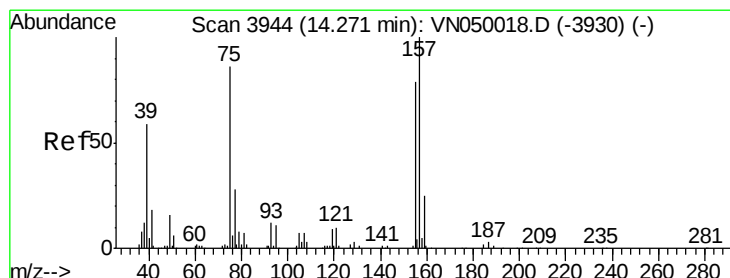
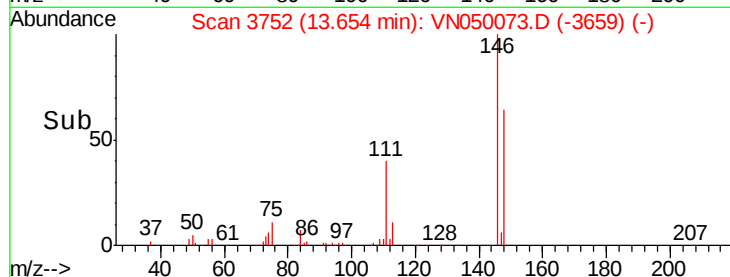
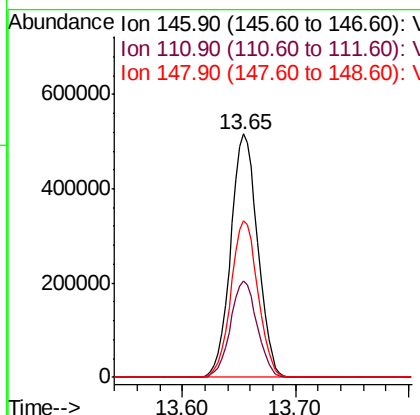
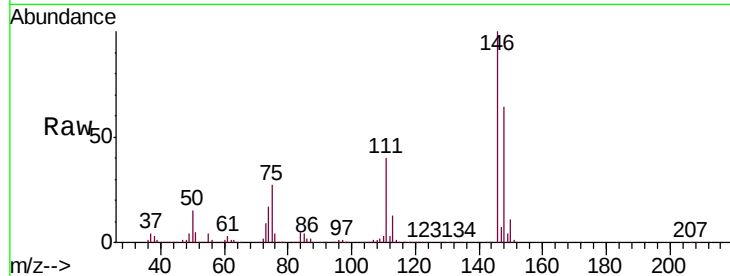
#91
 1,2-Dichlorobenzene
 Concen: 47.78 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.7
148	64.2	32.1	96.3

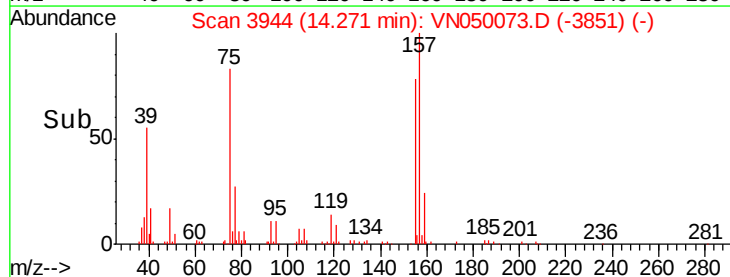
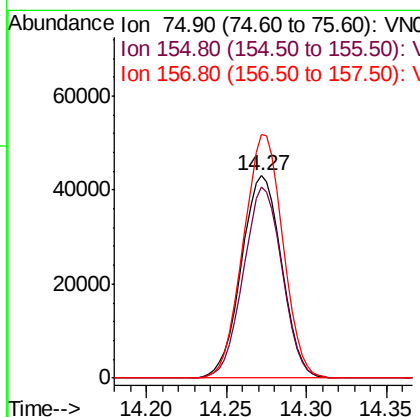
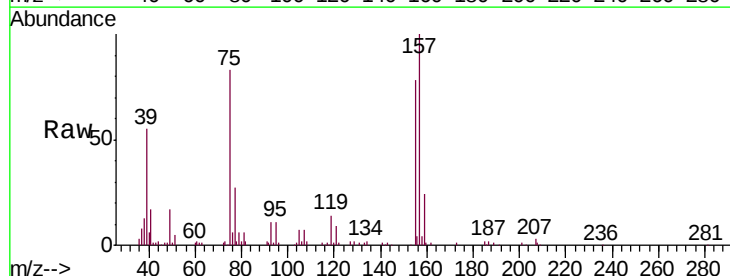
Manual Integrations
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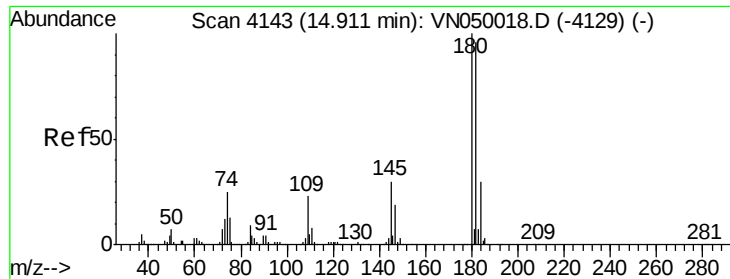
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.66 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.8	44.8	134.4
157	118.2	57.2	171.6





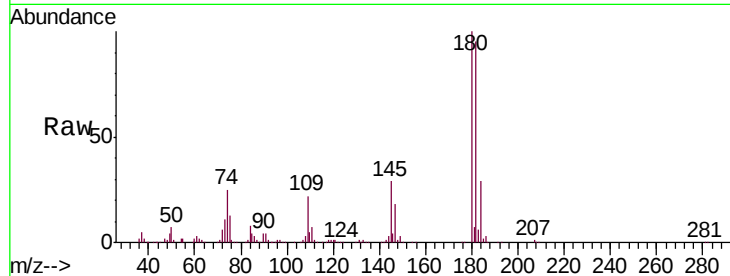
#93
 1,2,4-Trichlorobenzene
 Concen: 47.79 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

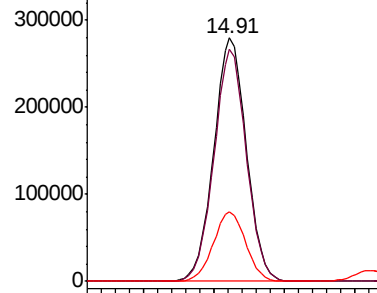
Tot Ion	Ratio	Resp	Lower	Upper
180	100	452008		
182	94.9	46.7	140.1	
145	28.4	13.8	41.4	

Manual Integrations
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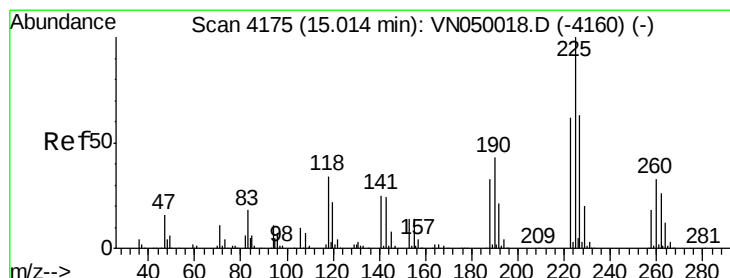
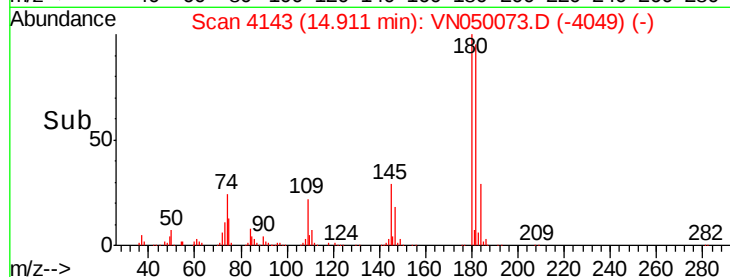
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

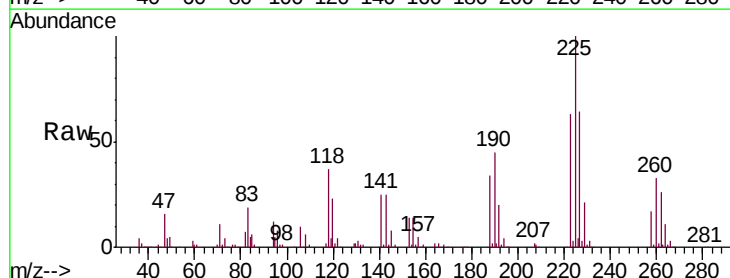


Time-->

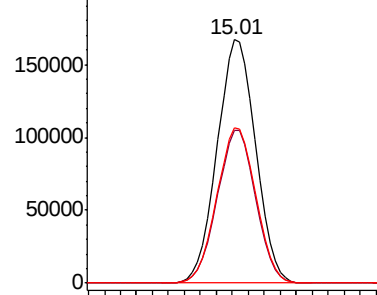


#94
 Hexachlorobutadiene
 Concen: 50.25 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

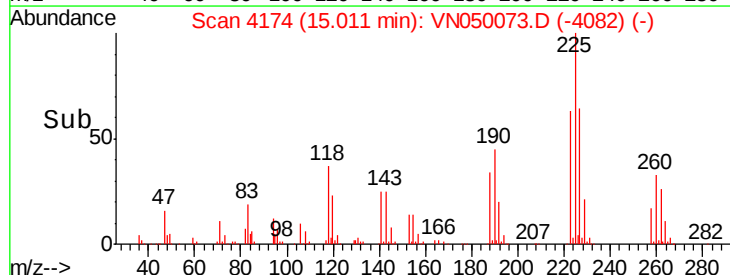
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	275162		
223	62.7	31.4	94.2	
227	64.5	32.1	96.5	

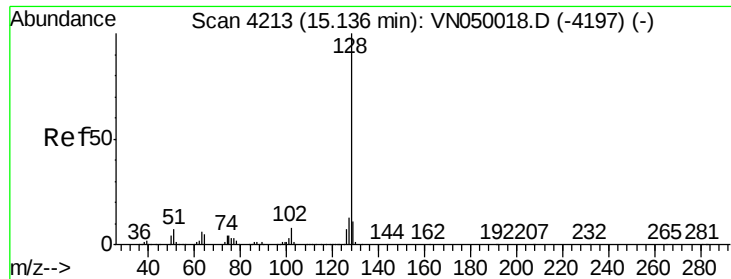


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





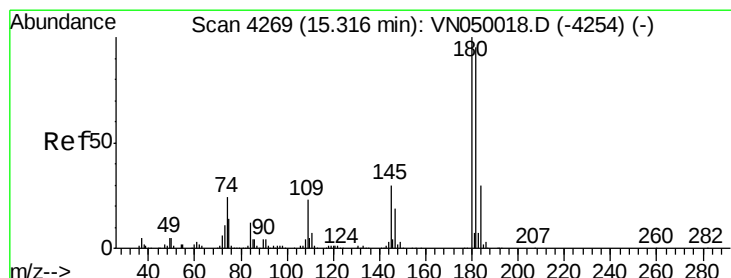
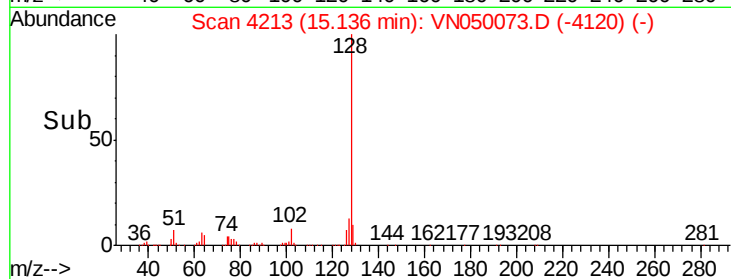
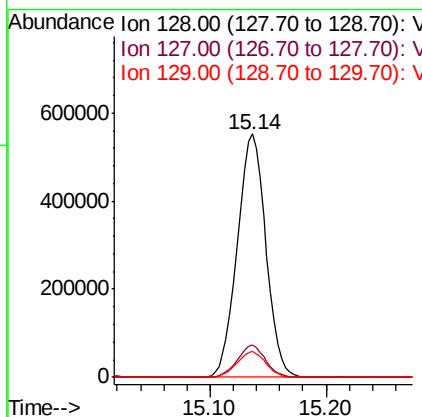
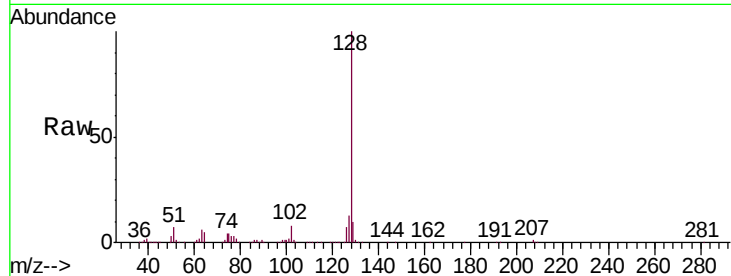
#95
Naphthalene
Concen: 42.64 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 47.32 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.1	144.4
145	31.0	15.3	45.9

