

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049931.D
 Acq On : 19 Jul 2018 22:03
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 11:08:06 AM

Quant Time: Jul 20 03:14:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	589612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	883335	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	802054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	431447	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	421503	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
35) Dibromofluoromethane	7.59	113	374410	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	10.09	98	1370042	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.40	95	470541	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	261040	48.47	ug/l	97
3) Chloromethane	2.06	50	388590	48.28	ug/l	100
4) Vinyl Chloride	2.18	62	389183	45.34	ug/l	100
5) Bromomethane	2.56	94	156983	32.02	ug/l	99
6) Chloroethane	2.70	64	254173	45.34	ug/l	100
7) Trichlorofluoromethane	3.01	101	536918	45.50	ug/l	97
8) Diethyl Ether	3.41	74	200077	48.60	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	329727	45.32	ug/l	99
10) Methyl Iodide	3.95	142	343092	35.15	ug/l	97
11) Tert butyl alcohol	4.81	59	133418	231.09	ug/l	100
12) 1,1-Dichloroethene	3.73	96	298968	46.77	ug/l	100
13) Acrolein	3.61	56	75372	202.60	ug/l	95
14) Allyl chloride	4.32	41	478725	47.51	ug/l	99
15) Acrylonitrile	4.99	53	643780	253.55	ug/l	97
16) Acetone	3.82	43	471589	224.76	ug/l	99
17) Carbon Disulfide	4.05	76	820389	42.89	ug/l	99
18) Methyl Acetate	4.33	43	360299	54.73	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	918054	52.20	ug/l	98
20) Methylene Chloride	4.55	84	383583	48.07	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	329547	48.55	ug/l	99
22) Diisopropyl ether	5.96	45	1096173	53.31	ug/l	98
23) Vinyl Acetate	5.90	43	3835747	265.86	ug/l	100
24) 1,1-Dichloroethane	5.85	63	643289	48.73	ug/l	100
25) 2-Butanone	6.84	43	752570	250.97	ug/l	100
26) 2,2-Dichloropropane	6.83	77	445681	43.39	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	372757	50.05	ug/l	99
28) Bromochloromethane	7.20	49	321597	53.94	ug/l	99
29) Tetrahydrofuran	7.22	42	499550	264.45	ug/l	99
30) Chloroform	7.37	83	664582	49.04	ug/l	99
31) Cyclohexane	7.65	56	515667	48.00	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	563381	48.10	ug/l	99
36) 1,1-Dichloropropene	7.79	75	473588	48.22	ug/l	100
37) Ethyl Acetate	6.94	43	333809	49.50	ug/l	100
38) Carbon Tetrachloride	7.77	117	498297	47.36	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	483612	47.66	ug/l	97
40) Benzene	8.04	78	1449619	48.42	ug/l	100
41) Methacrylonitrile	7.17	41	169657	50.18	ug/l	94
42) 1,2-Dichloroethane	8.13	62	483493	48.76	ug/l	100
43) Isopropyl Acetate	8.17	43	659336	55.96	ug/l	99
44) Trichloroethene	8.84	130	374325	47.69	ug/l	99
45) 1,2-Dichloropropane	9.12	63	394957	48.91	ug/l	100
46) Dibromomethane	9.21	93	243381	48.60	ug/l	98
47) Bromodichloromethane	9.40	83	514152	49.64	ug/l	99
48) Methyl methacrylate	9.20	41	304845	51.58	ug/l	99
49) 1,4-Dioxane	9.20	88	83508	995.96	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1752988	266.14	ug/l	100
52) Toluene	10.16	92	909592	50.94	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	507196	49.52	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	569202	50.29	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	354871	48.11	ug/l	100
56) Ethyl methacrylate	10.43	69	461472	46.73	ug/l	99
57) 1,3-Dichloropropane	10.71	76	585402	50.39	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1108474	238.46	ug/l	99
59) 2-Hexanone	10.75	43	1186834	268.26	ug/l	100
60) Dibromochloromethane	10.90	129	400068	49.46	ug/l	99
61) 1,2-Dibromoethane	11.01	107	348326	50.53	ug/l	99
64) Tetrachloroethene	10.63	164	342563	47.53	ug/l	99
65) Chlorobenzene	11.44	112	993505	49.30	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	383391	49.12	ug/l	99
67) Ethyl Benzene	11.51	91	1703622	52.11	ug/l	100
68) m/p-Xylenes	11.62	106	1317263	106.45	ug/l	99
69) o-Xylene	11.95	106	632890	53.25	ug/l	98
70) Styrene	11.97	104	1073038	55.74	ug/l	100
71) Bromoform	12.13	173	291116	52.14	ug/l #	98
73) Isopropylbenzene	12.25	105	1692628	51.65	ug/l	100
74) N-amyl acetate	12.07	43	534531	53.58	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	473340	48.21	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	398068m	49.18	ug/l	
77) Bromobenzene	12.53	156	443025	48.95	ug/l	97
78) n-propylbenzene	12.59	91	1950125	52.34	ug/l	100
79) 2-Chlorotoluene	12.68	91	1173926	51.31	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1389760	52.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	126811	48.99	ug/l	97
82) 4-Chlorotoluene	12.78	91	1175260	51.21	ug/l	100
83) tert-Butylbenzene	12.99	119	1202294	52.12	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1429222	53.71	ug/l	100
85) sec-Butylbenzene	13.17	105	1606541	52.70	ug/l	100
86) p-Isopropyltoluene	13.29	119	1398051	53.79	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	784688	49.76	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	766462	48.48	ug/l	99
89) n-Butylbenzene	13.62	91	1130639	52.69	ug/l	99
90) Hexachloroethane	13.88	117	271100	46.48	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	777229	50.13	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	76471	50.41	ug/l	98

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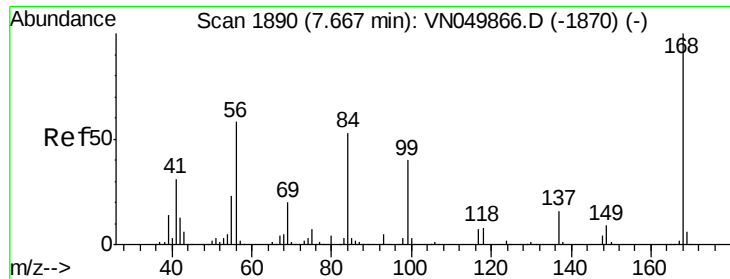
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	385822	45.47	ug/l	99
94) Hexachlorobutadiene	15.01	225	230993	45.47	ug/l	99
95) Naphthalene	15.14	128	890404	44.15	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	393661	52.93	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 589612

Ion Ratio Lower Upper

168 100

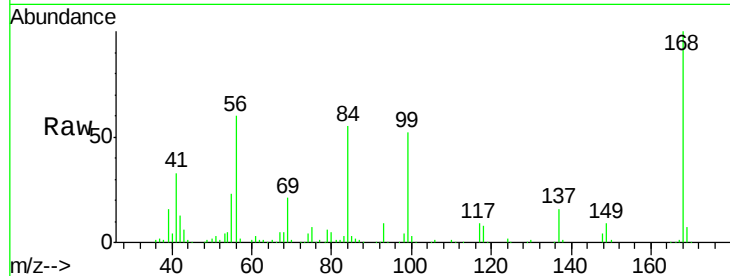
99 51.9 40.6 61.0

Manual Integrations

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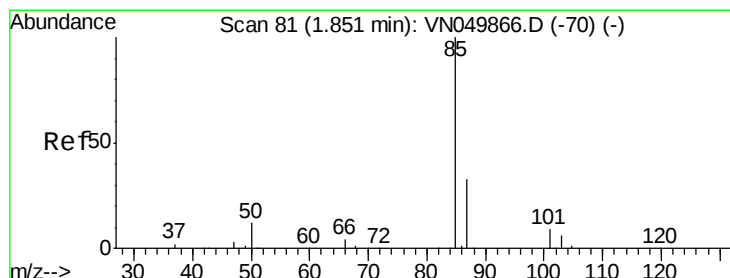
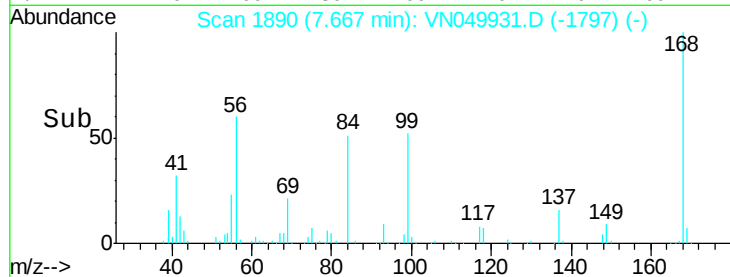
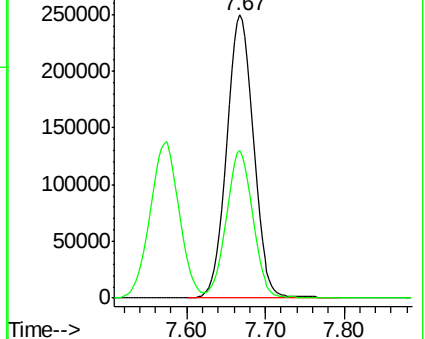
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.47 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049931.D

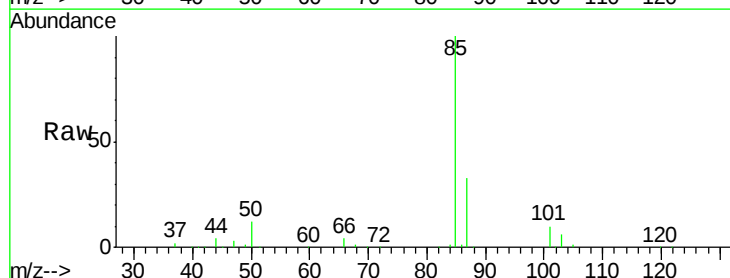
Acq: 19 Jul 2018 22:03

Tgt Ion: 85 Resp: 261040

Ion Ratio Lower Upper

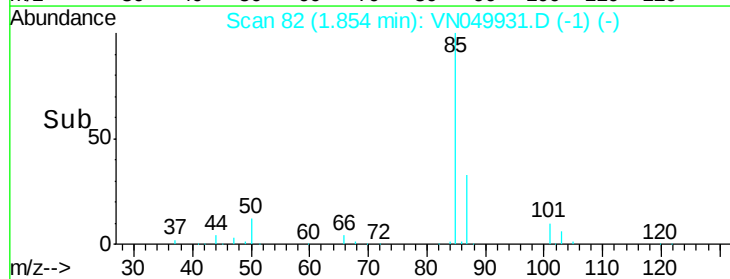
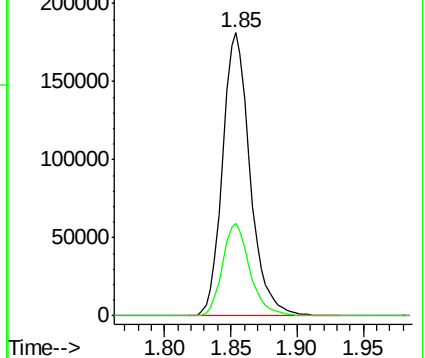
85 100

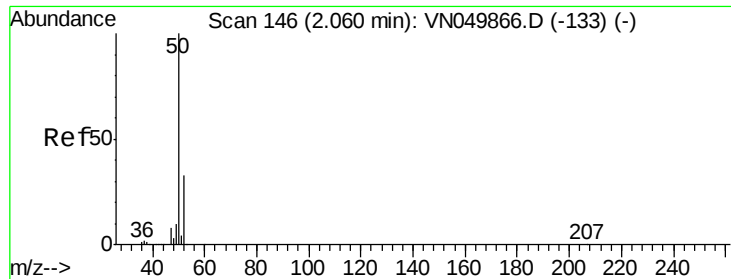
87 32.6 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.28 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 388590

Ion Ratio Lower Upper

50 100

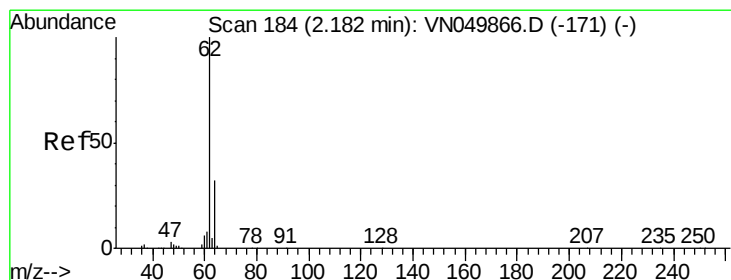
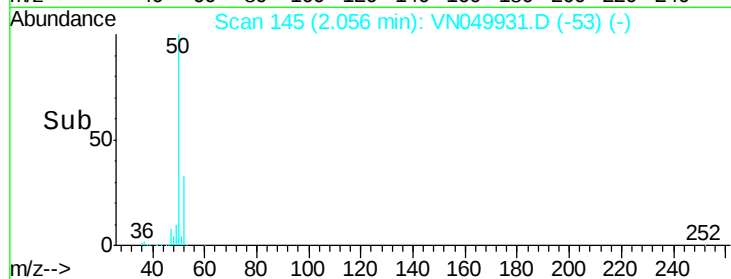
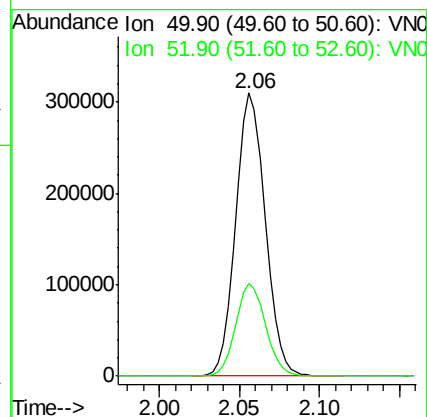
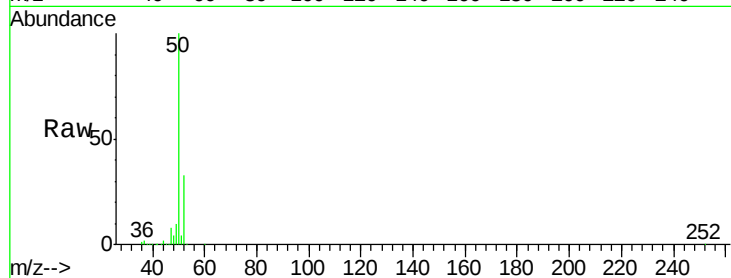
52 32.7 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.34 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049931.D

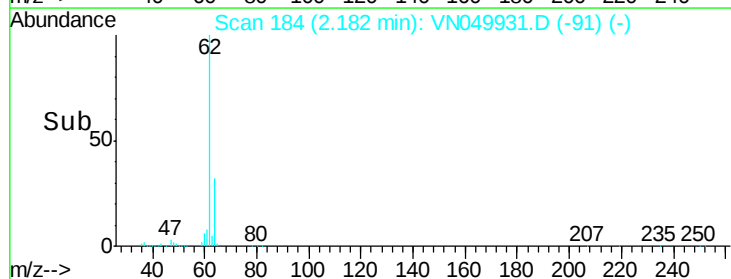
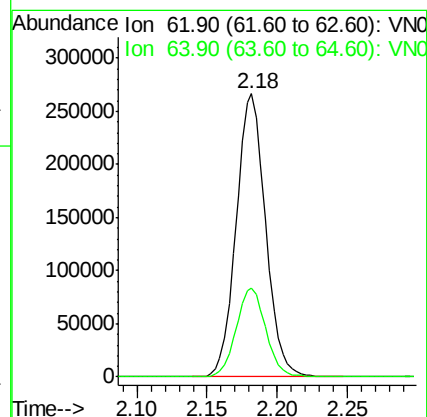
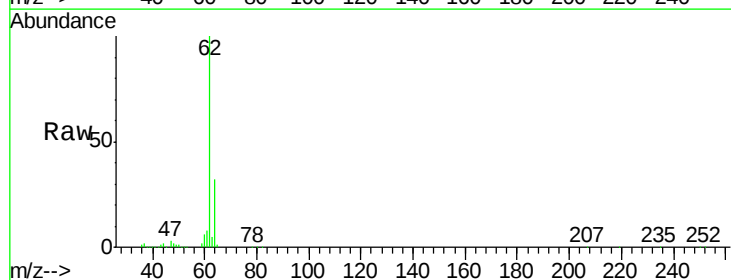
Acq: 19 Jul 2018 22:03

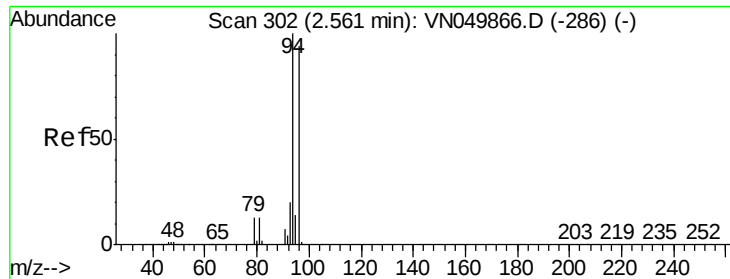
Tgt Ion: 62 Resp: 389183

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0





#5

Bromomethane

Concen: 32.02 ug/l

RT: 2.56 min Scan# 301

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 156983

Ion Ratio Lower Upper

94 100

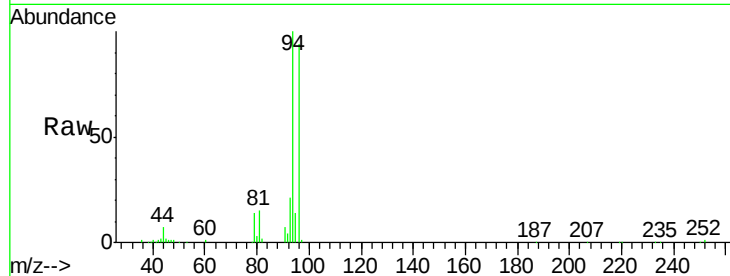
96 93.6 75.7 113.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN049866.D (-286) (-)

Ion 95.90 (95.60 to 96.60): VN049866.D (-286) (-)

80000

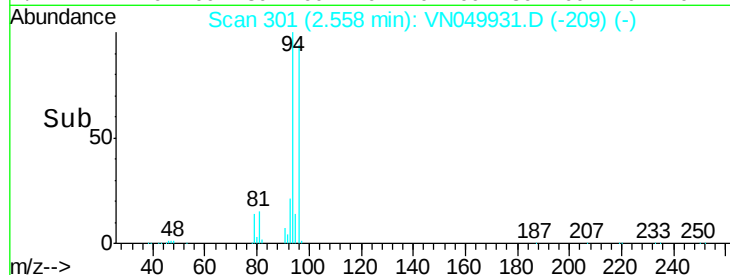
60000

40000

20000

0

Time-->



Abundance Ion 93.90 (93.60 to 94.60): VN049931.D (-209) (-)

Ion 95.90 (95.60 to 96.60): VN049931.D (-209) (-)

80000

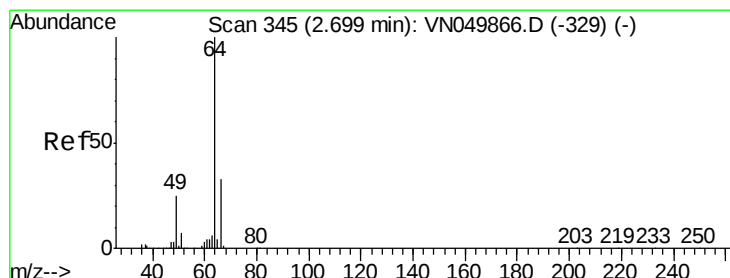
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 45.34 ug/l

RT: 2.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VN049931.D

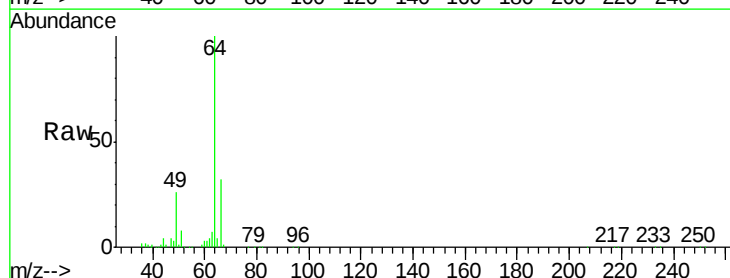
Acq: 19 Jul 2018 22:03

Tgt Ion: 64 Resp: 254173

Ion Ratio Lower Upper

64 100

66 31.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN049866.D (-329) (-)

Ion 65.90 (65.60 to 66.60): VN049866.D (-329) (-)

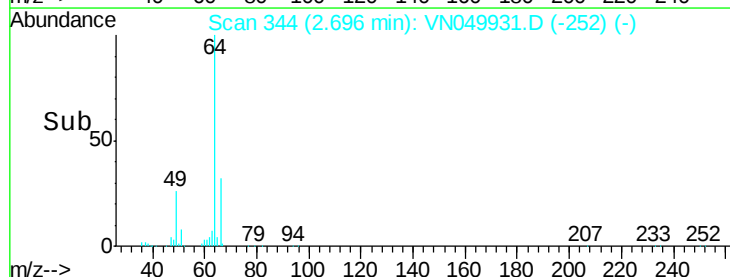
150000

100000

50000

0

Time-->



Abundance Ion 63.90 (63.60 to 64.60): VN049931.D (-252) (-)

Ion 65.90 (65.60 to 66.60): VN049931.D (-252) (-)

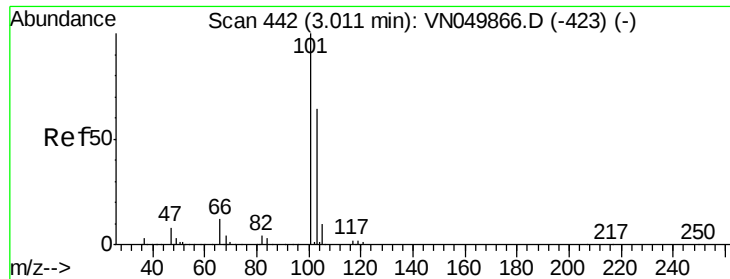
150000

100000

50000

0

Time-->



#7

Trichlorofluoromethane

Concen: 45.50 ug/l

RT: 3.01 min Scan# 442

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 536918

Ion Ratio Lower Upper

101 100

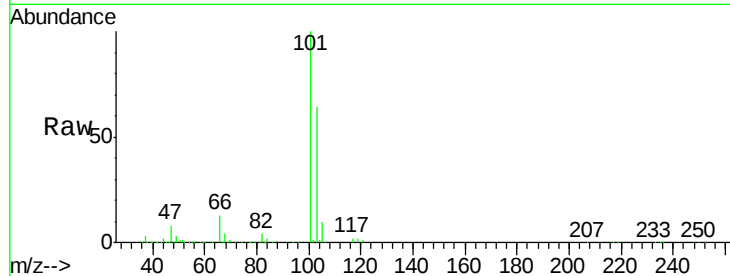
103 63.9 52.8 79.2

Manual Integrations

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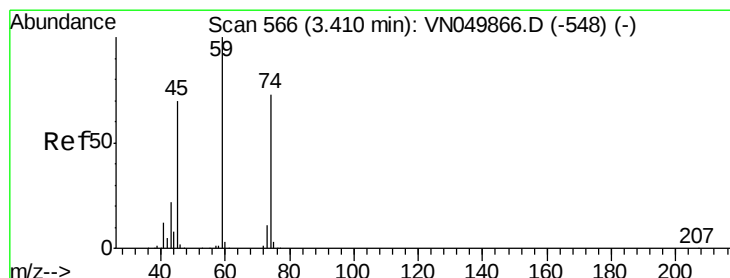
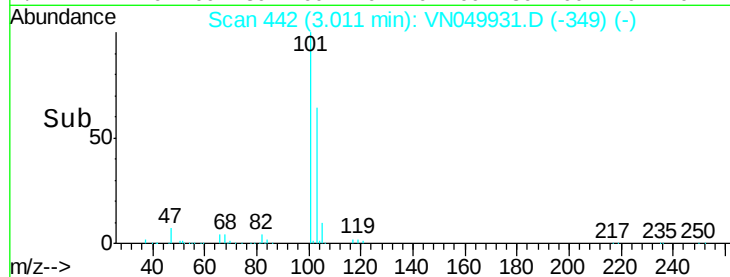
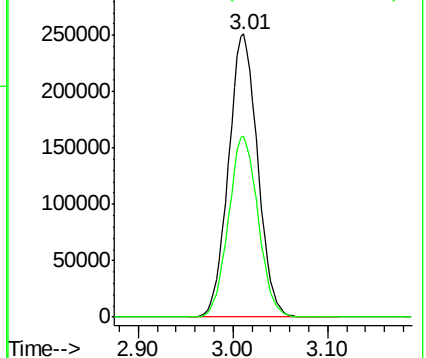
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 48.60 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN049931.D

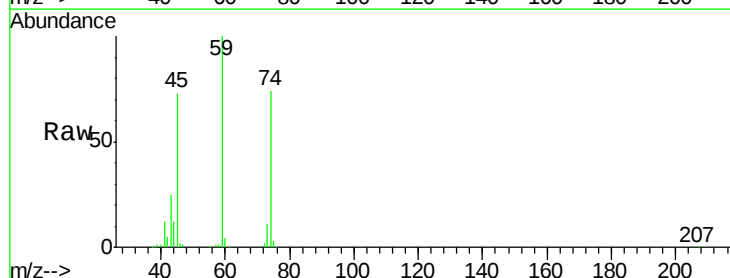
Acq: 19 Jul 2018 22:03

Tgt Ion: 74 Resp: 200077

Ion Ratio Lower Upper

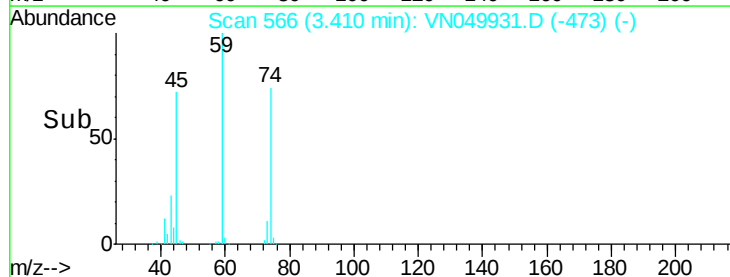
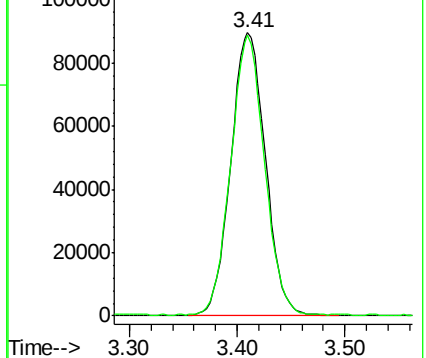
74 100

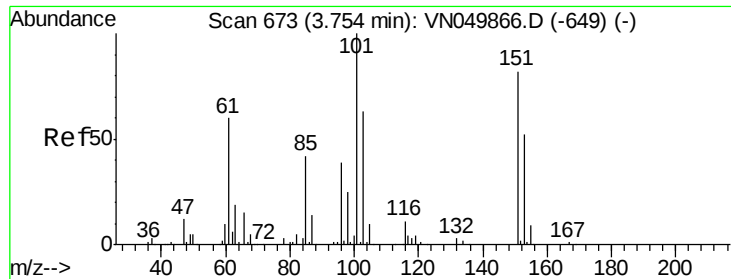
45 96.0 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.32 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

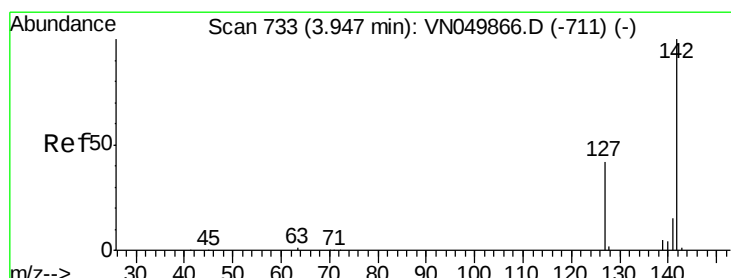
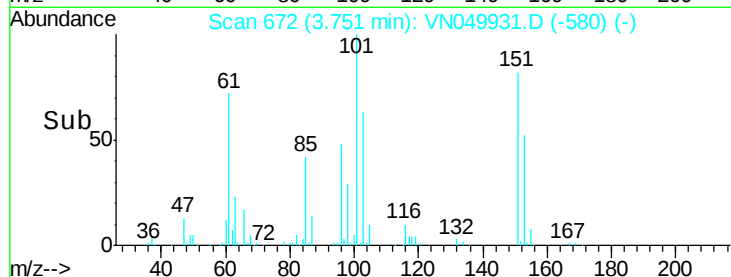
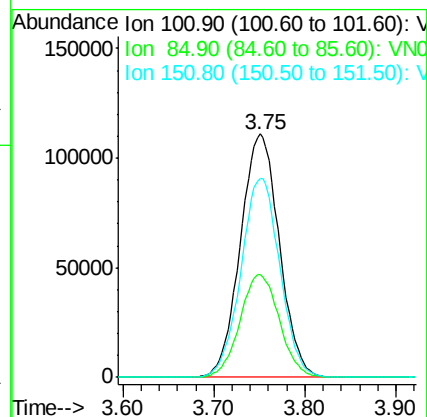
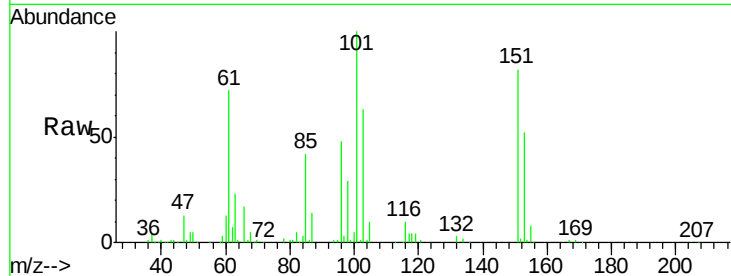
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	329727
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.4	51.6
151	81.9	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

Concen: 35.15 ug/l

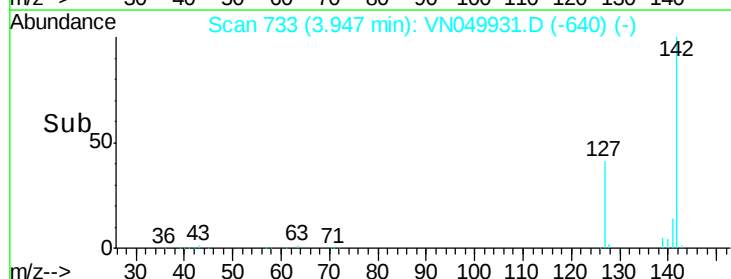
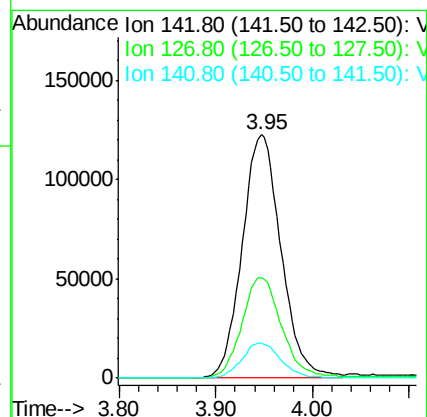
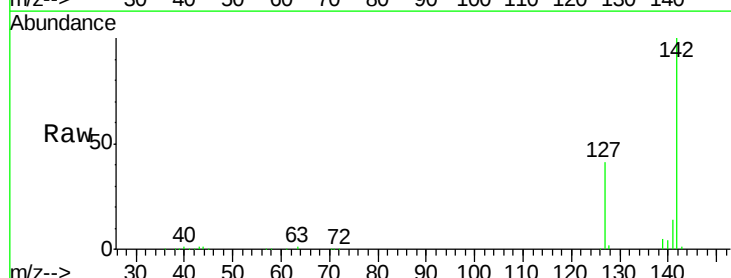
RT: 3.95 min Scan# 733

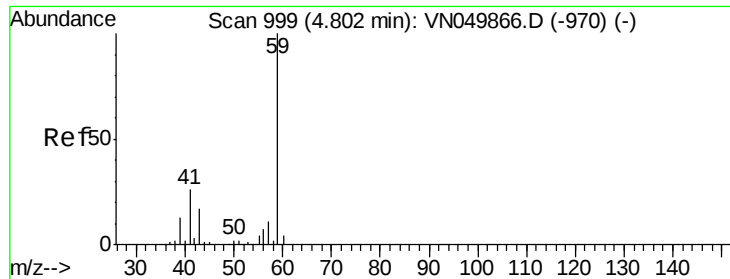
Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Tgt Ion:	142	Resp:	343092
Ion Ratio	Lower	Upper	
142	100		
127	42.5	32.5	48.7
141	14.6	11.1	16.7





#11

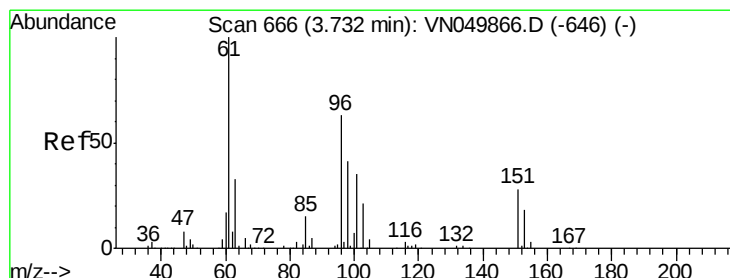
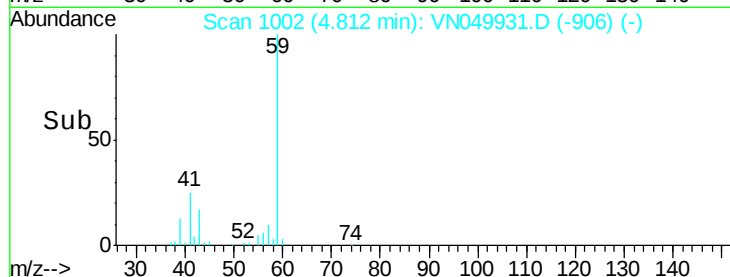
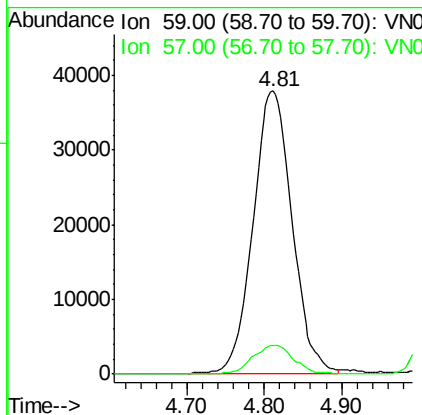
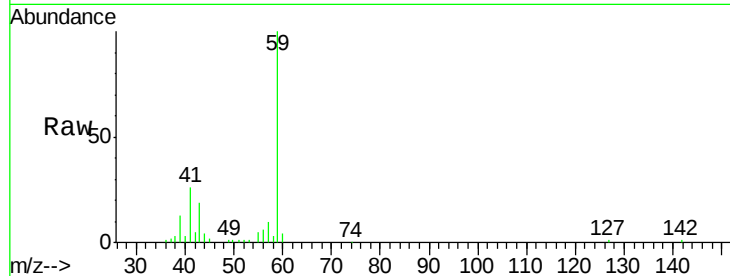
Tert butyl alcohol
Concen: 231.09 ug/l
RT: 4.81 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	59	Resp	133418
Ion Ratio	100	Lower	Upper
57	10.6	8.5	12.7

Manual Integrations
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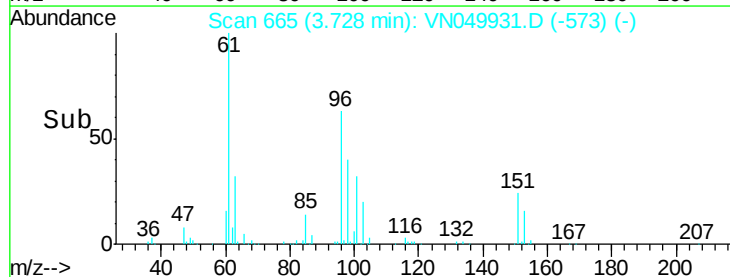
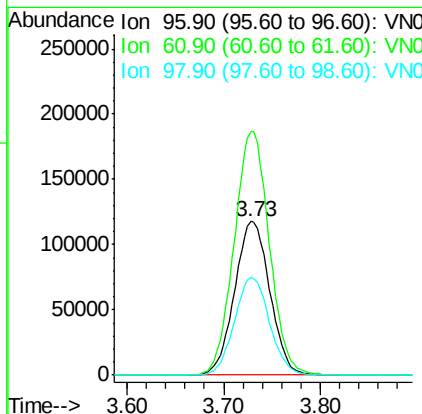
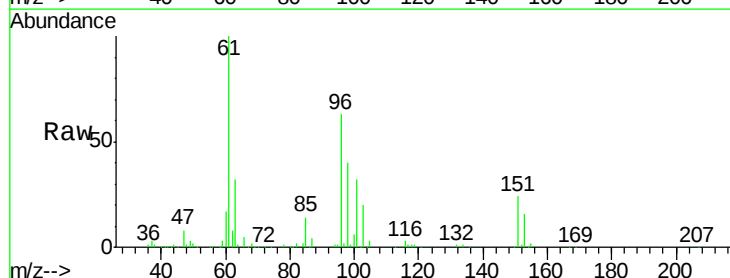
MMDadoda
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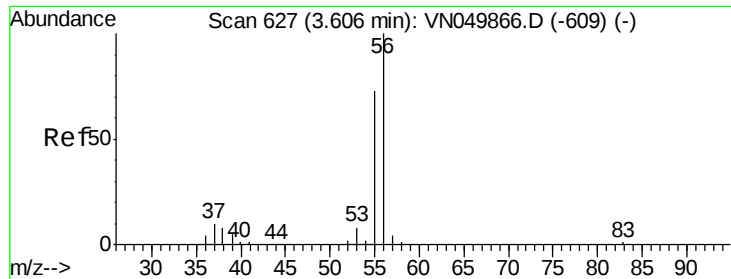


#12

1,1-Dichloroethene
Concen: 46.77 ug/l
RT: 3.73 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion	96	Resp	298968
Ion Ratio	100	Lower	Upper
61	158.4	126.5	189.7
98	63.9	51.0	76.6





#13

Acrolein

Concen: 202.60 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 75372

Ion Ratio Lower Upper

56 100

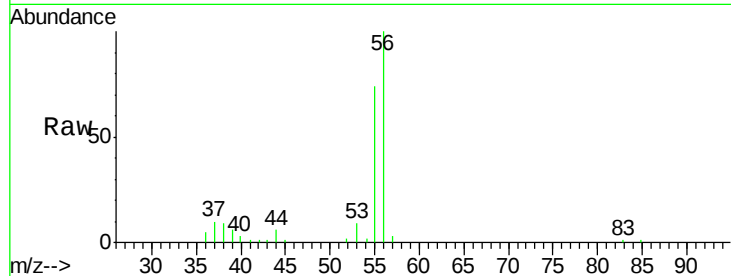
55 73.8 55.8 83.8

Manual Integrations

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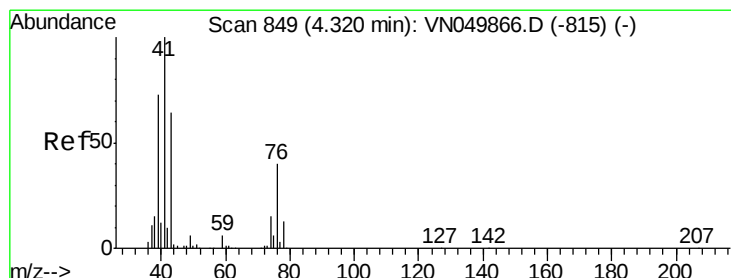
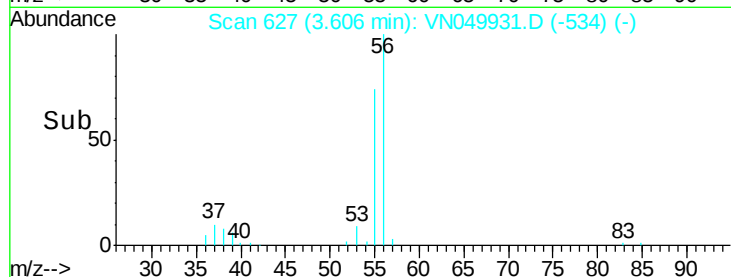
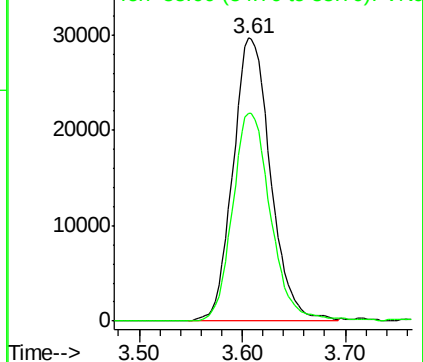
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.51 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

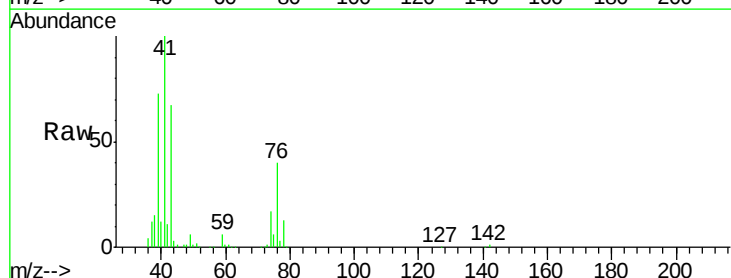
Tgt Ion: 41 Resp: 478725

Ion Ratio Lower Upper

41 100

39 68.2 53.2 79.8

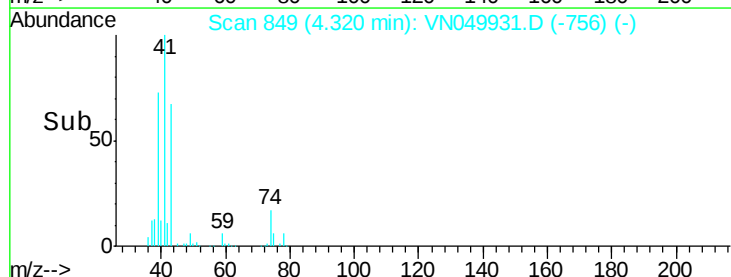
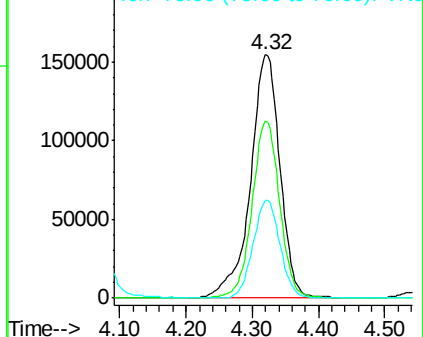
76 36.3 29.0 43.6

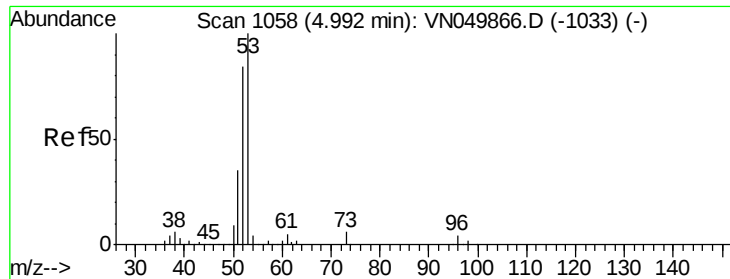


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 253.55 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

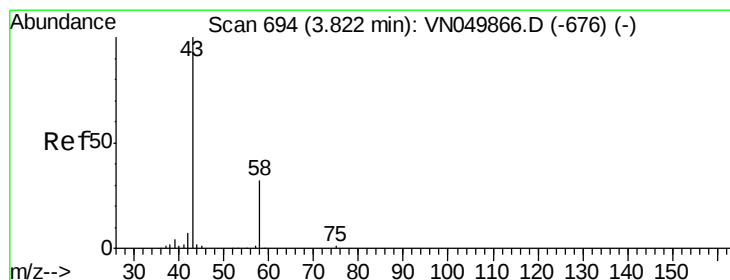
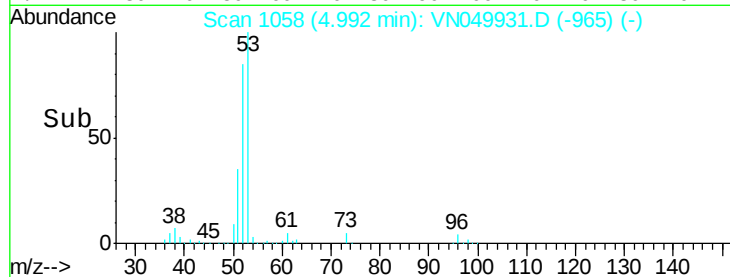
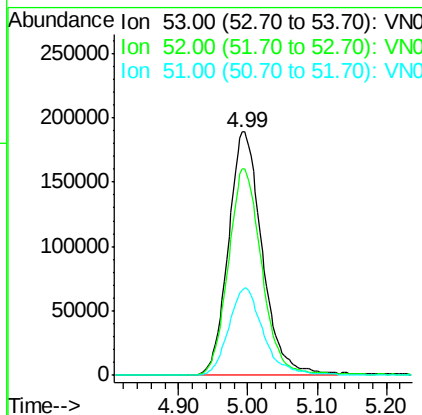
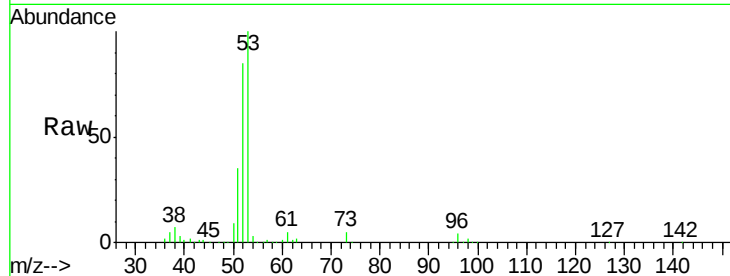
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	643780
Ion	Ratio	Lower	Upper
53	100		
52	83.9	64.8	97.2
51	36.8	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 224.76 ug/l

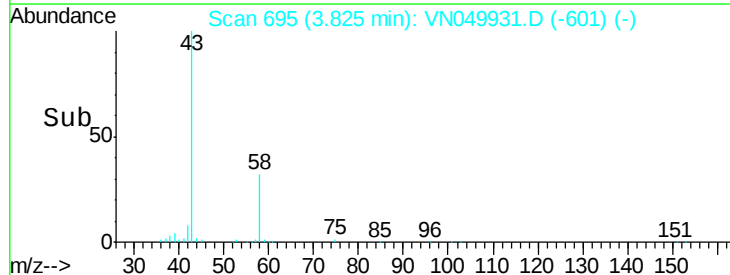
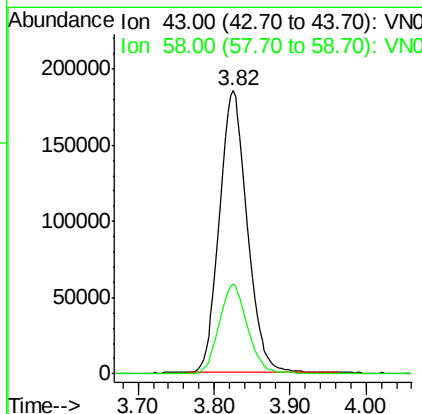
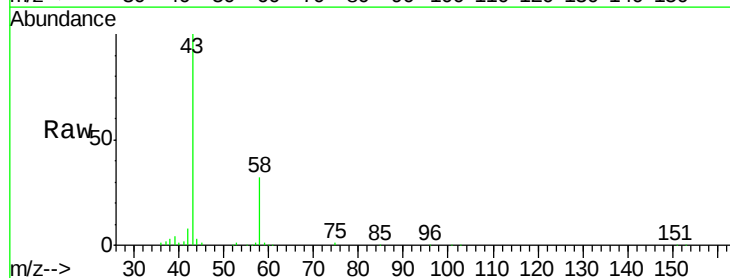
RT: 3.82 min Scan# 695

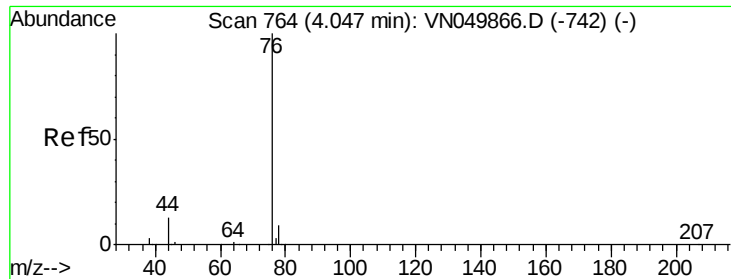
Delta R.T. 0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Tgt Ion:	43	Resp:	471589
Ion	Ratio	Lower	Upper
43	100		
58	31.7	25.9	38.9





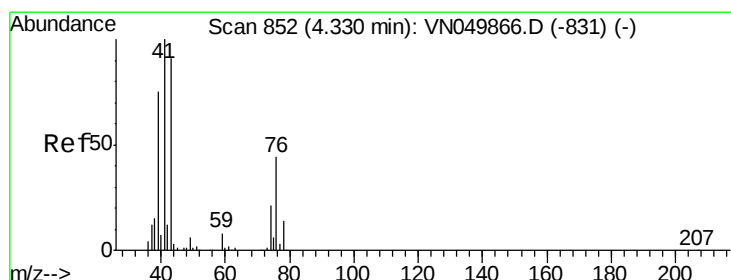
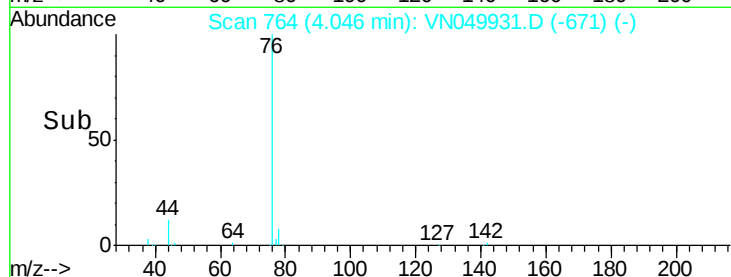
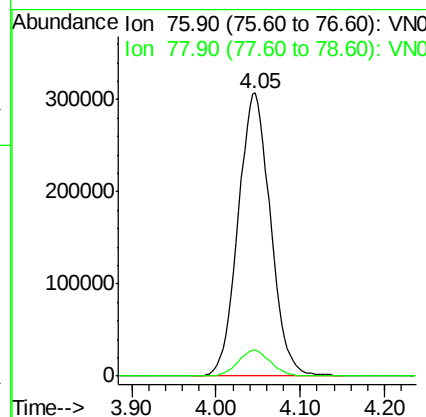
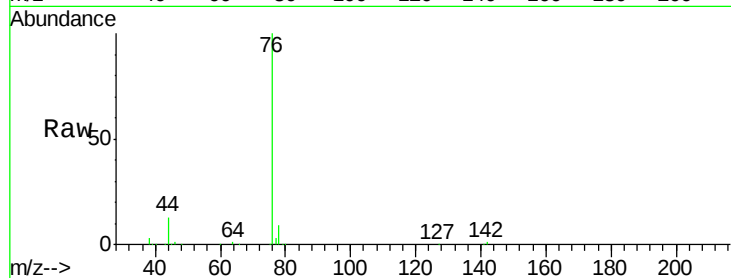
#17
Carbon Disulfide
Concen: 42.89 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

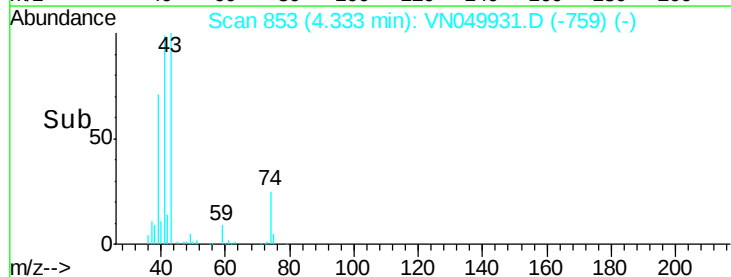
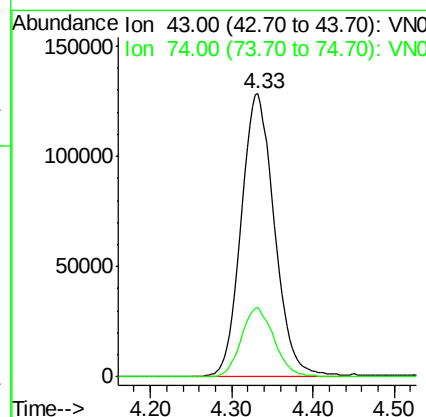
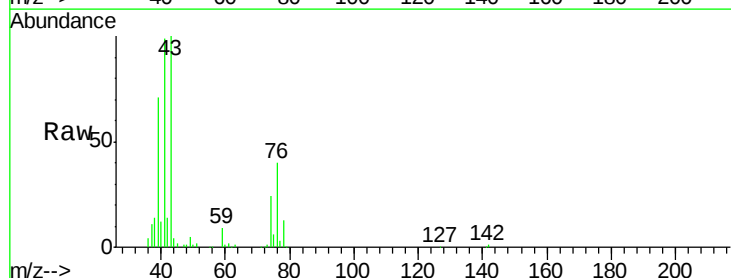
Manual Integrations
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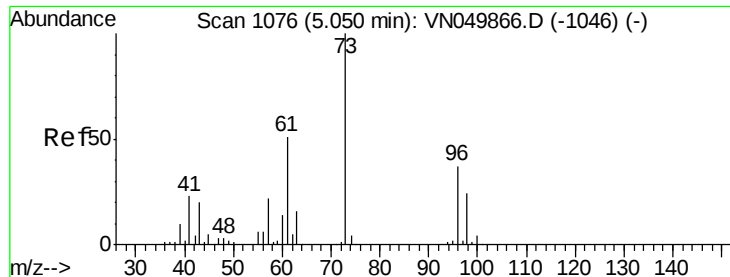
MMDadoda
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#18
Methyl Acetate
Concen: 54.73 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.8	29.8





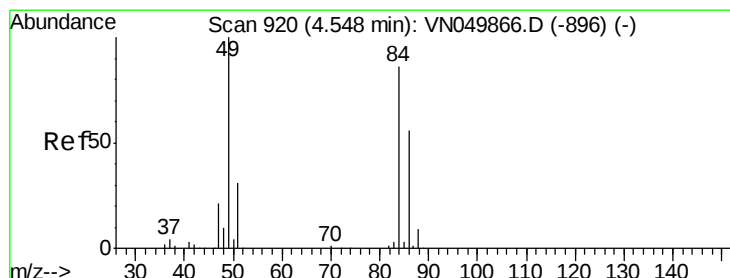
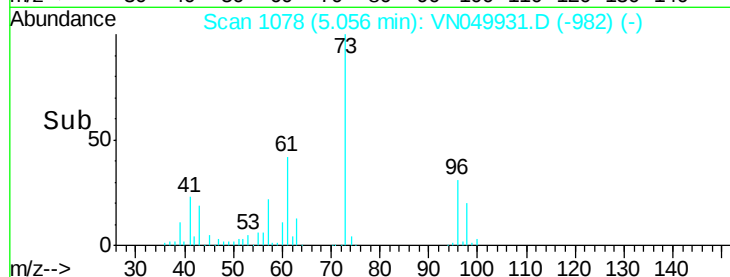
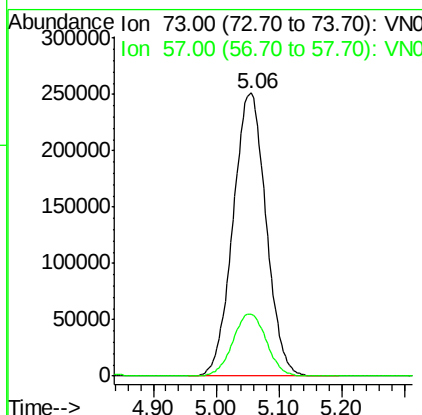
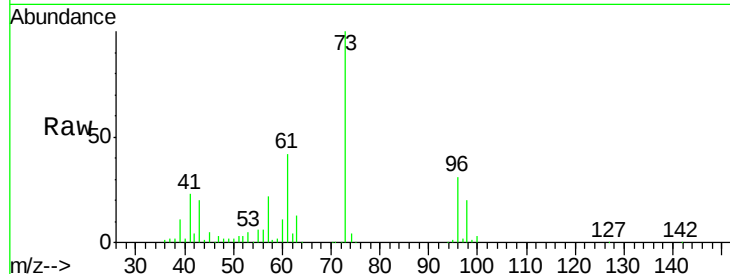
#19
Methyl tert-butyl Ether
Concen: 52.20 ug/l
RT: 5.06 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 918054
Ion Ratio Lower Upper
73 100
57 21.9 18.1 27.1

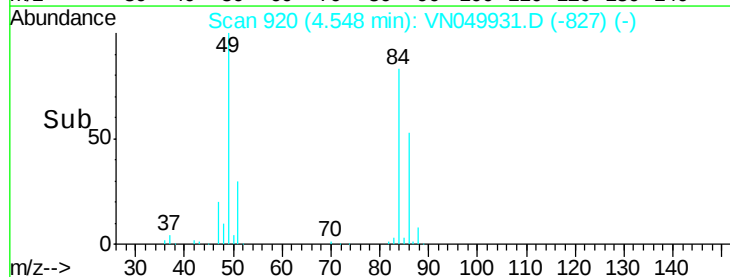
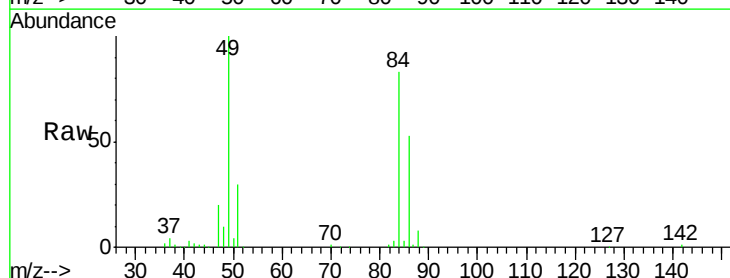
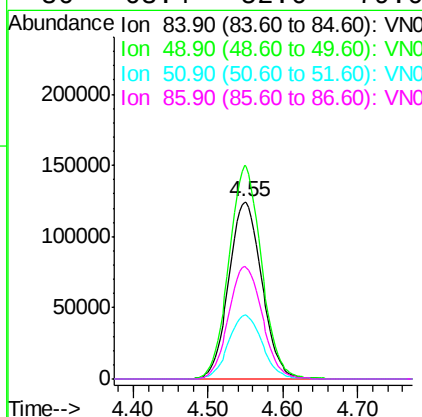
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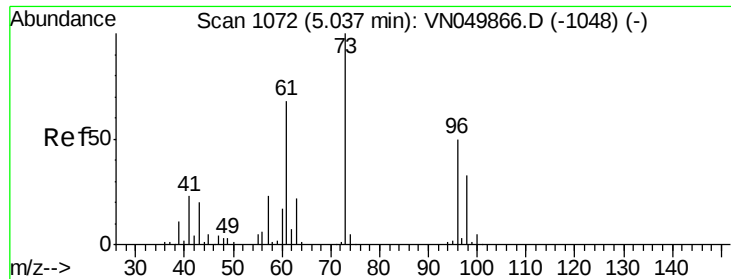
MMDadoda
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#20
Methylene Chloride
Concen: 48.07 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion: 84 Resp: 383583
Ion Ratio Lower Upper
84 100
49 120.5 95.4 143.2
51 36.1 28.4 42.6
86 63.4 52.6 79.0





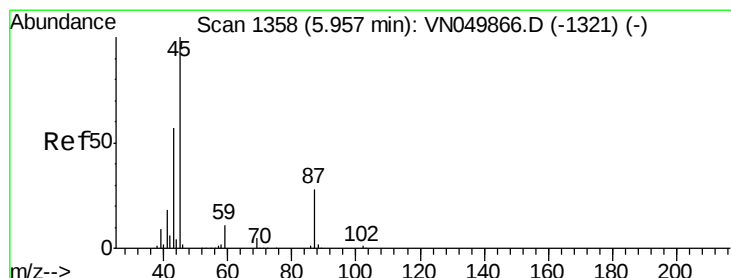
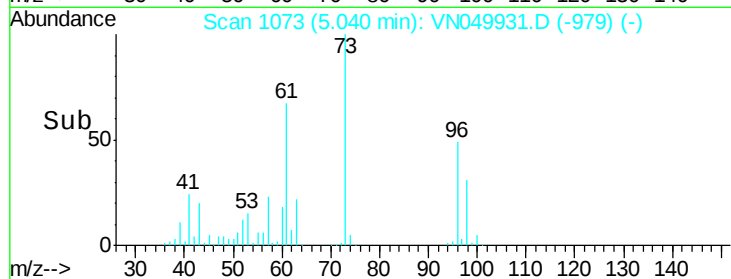
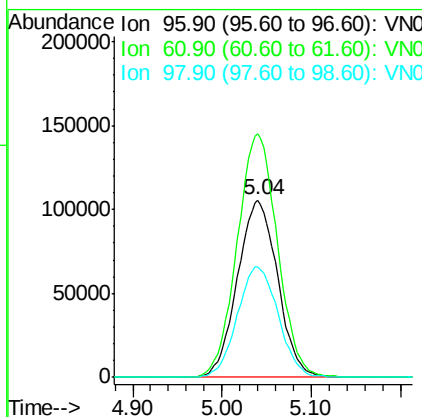
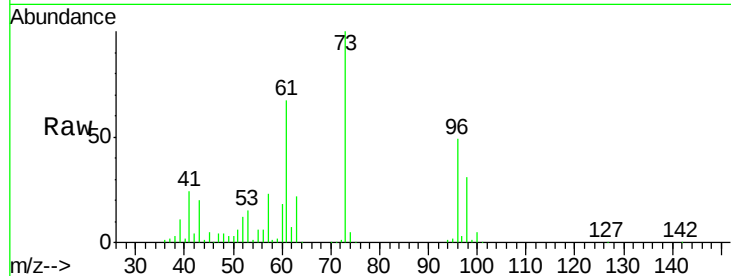
#21
trans-1,2-Dichloroethene
Concen: 48.55 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.2	109.0	163.6
98	62.4	51.1	76.7

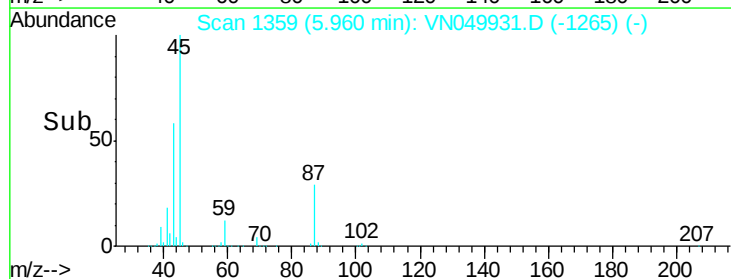
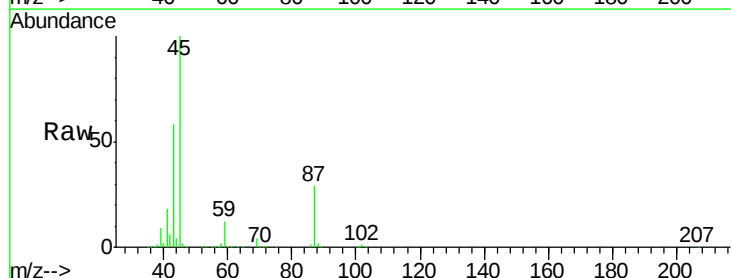
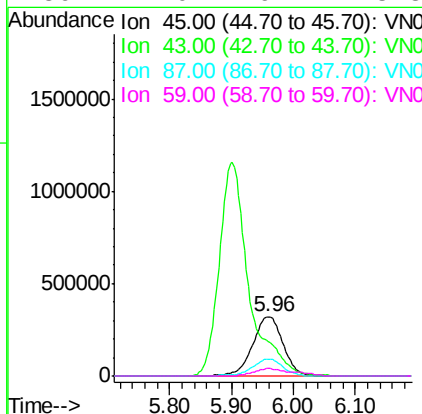
Manual Integrations
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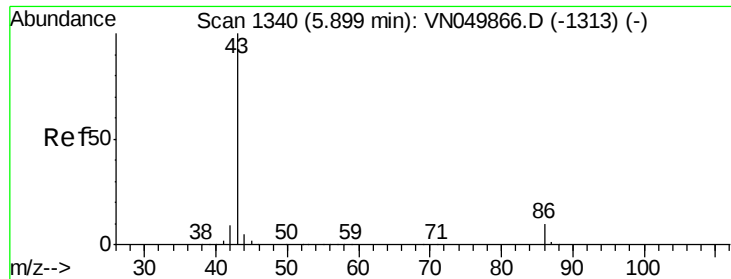
MMDadoda
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#22
Diisopropyl ether
Concen: 53.31 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.8	48.1	72.1
87	28.6	22.6	34.0
59	12.0	9.2	13.8





#23

Vinyl Acetate

Concen: 265.86 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3835747

Ion Ratio Lower Upper

43 100

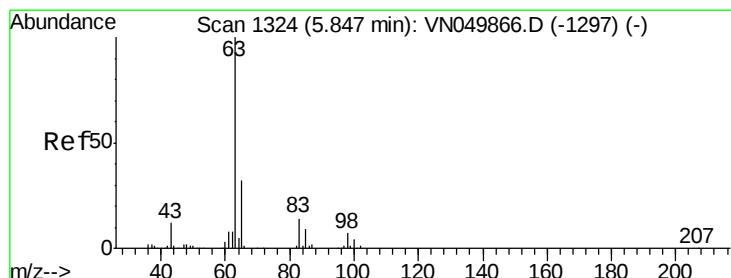
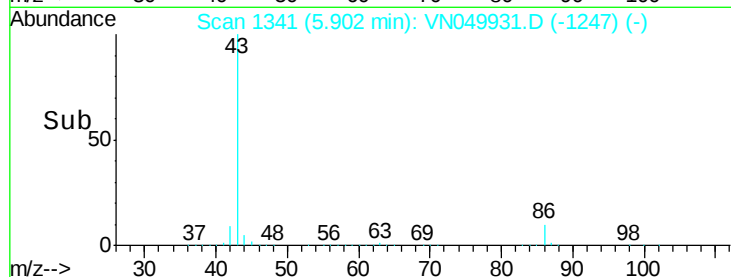
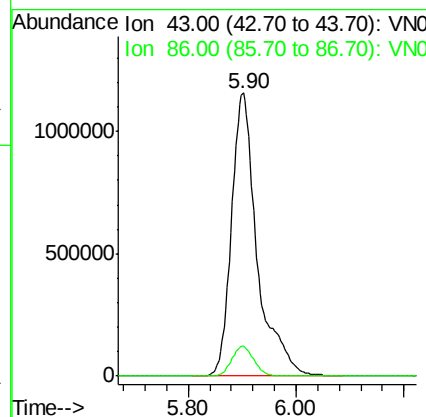
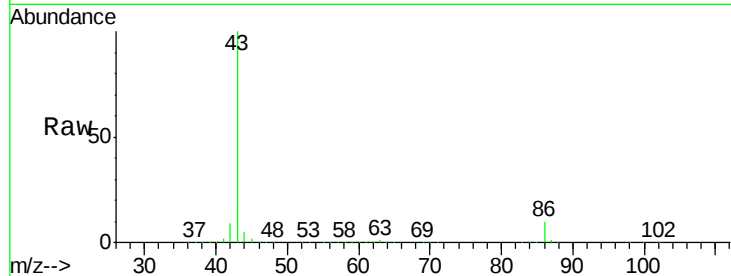
86 10.4 8.4 12.6

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 48.73 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

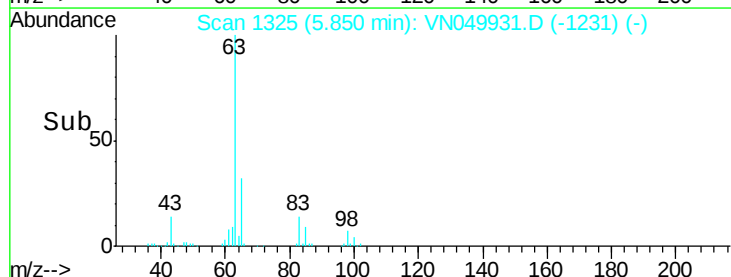
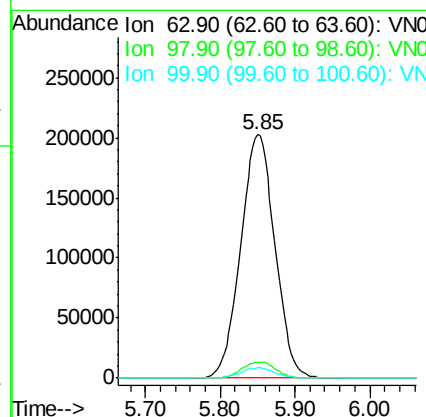
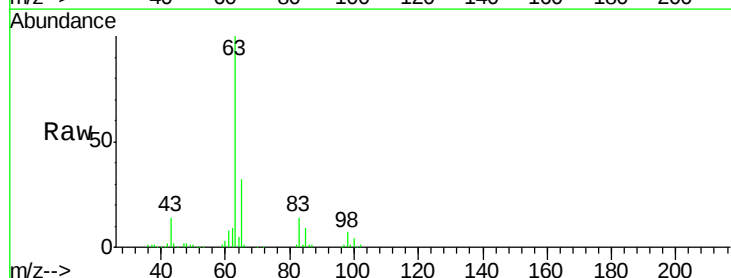
Tgt Ion: 63 Resp: 643289

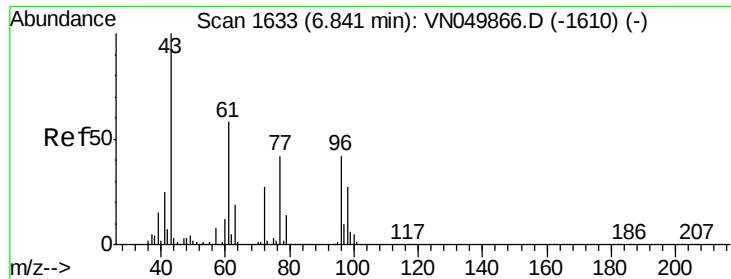
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.3 2.2 6.6





#25

2-Butanone

Concen: 250.97 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 752570

Ion Ratio Lower Upper

43 100

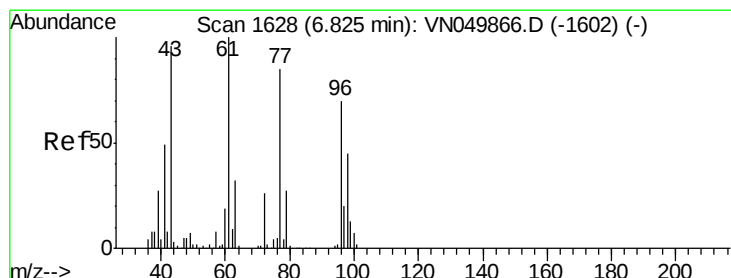
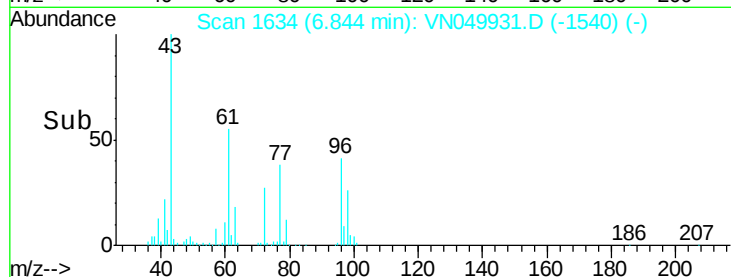
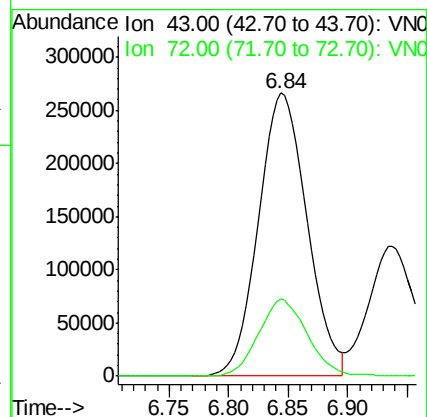
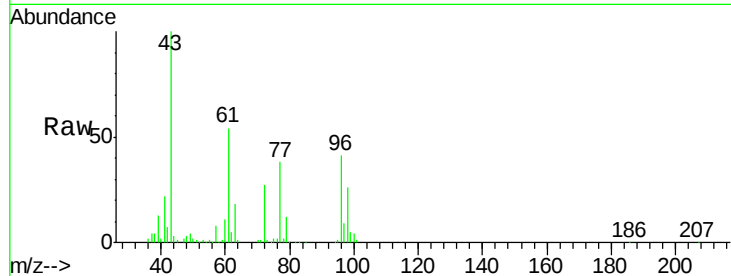
72 27.4 22.1 33.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.39 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049931.D

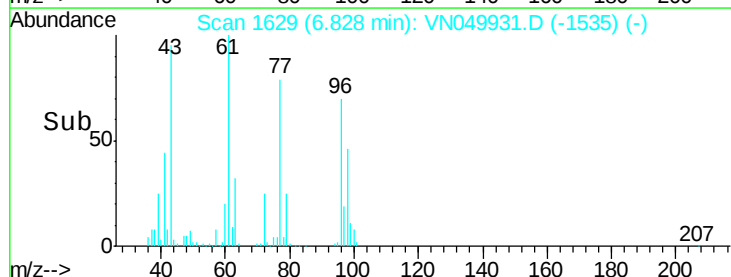
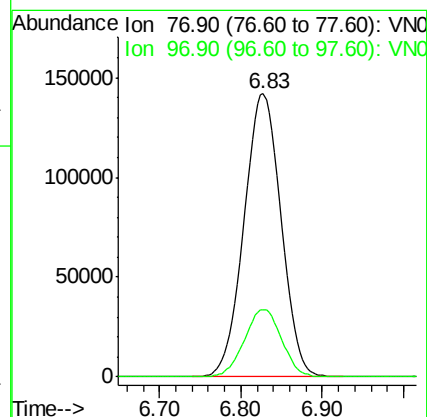
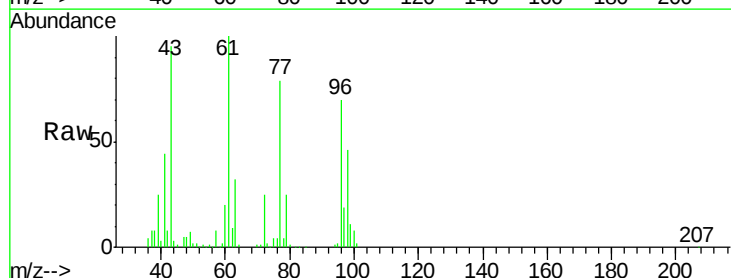
Acq: 19 Jul 2018 22:03

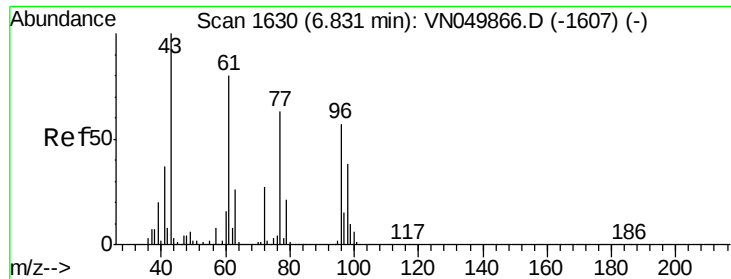
Tgt Ion: 77 Resp: 445681

Ion Ratio Lower Upper

77 100

97 23.8 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 50.05 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

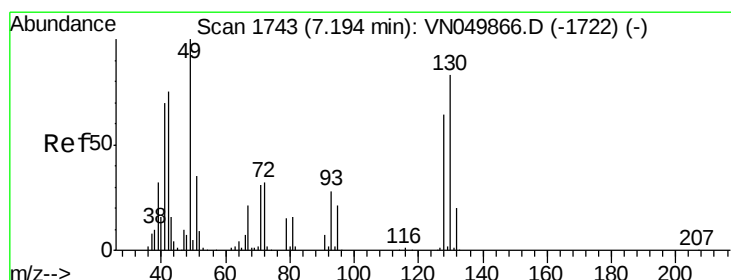
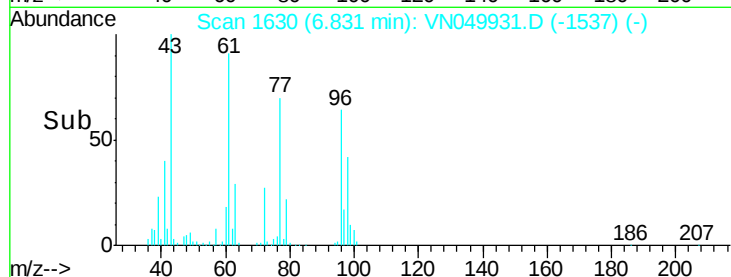
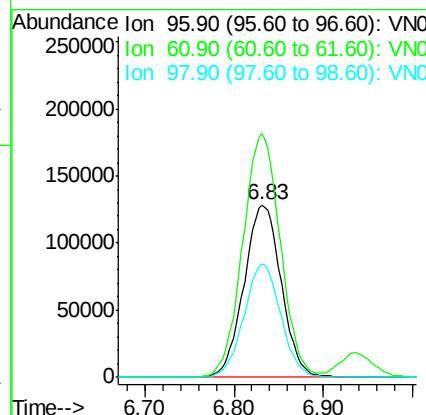
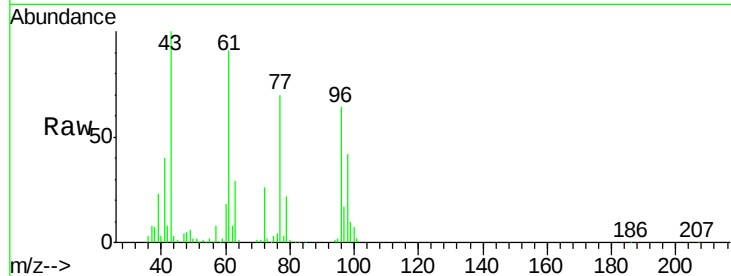
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	142.6	0.0	289.0		
98	65.0	0.0	130.2		

Manual Integrations
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#28

Bromochloromethane

Concen: 53.94 ug/l

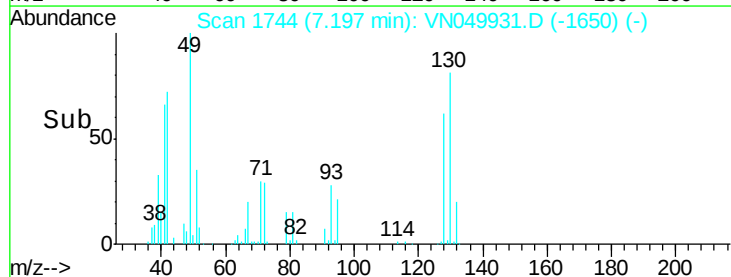
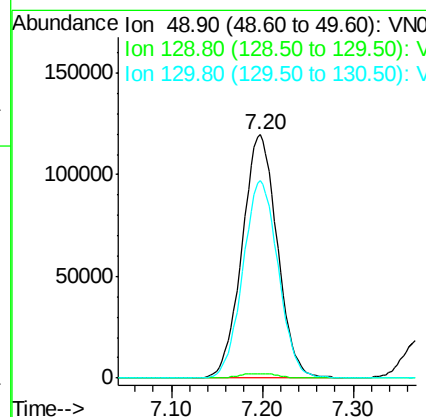
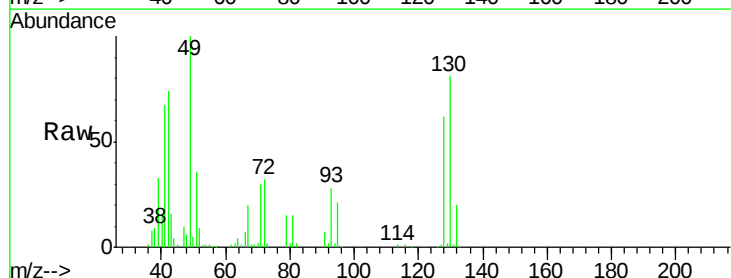
RT: 7.20 min Scan# 1744

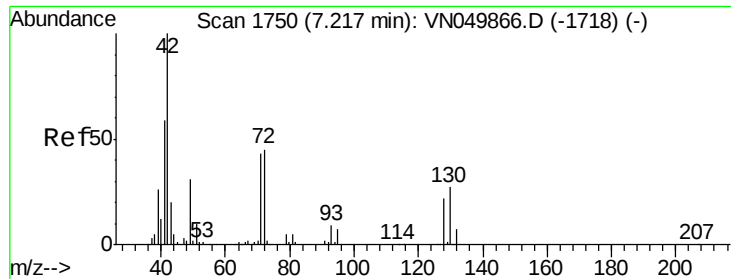
Delta R.T. 0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	1.0	0.0	4.2		
130	81.5	65.5	98.3		





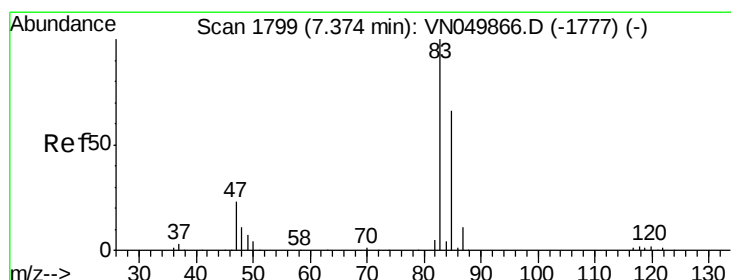
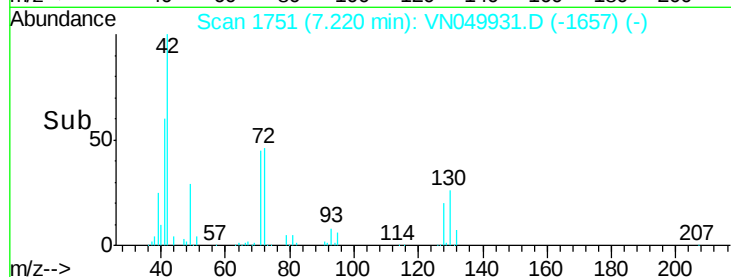
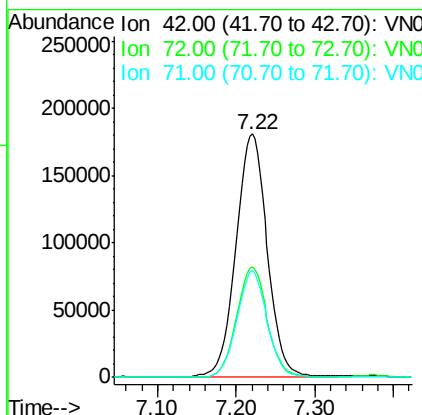
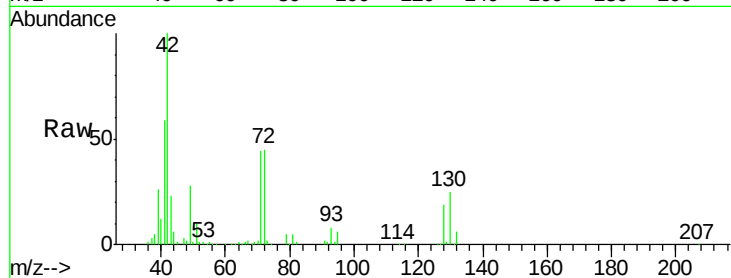
#29
Tetrahydrofuran
Concen: 264.45 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	35.6	53.4
71	42.5	34.0	51.0

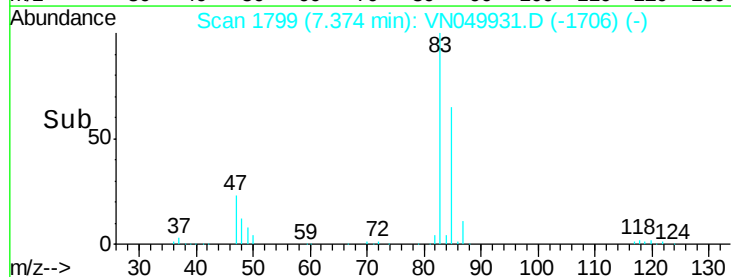
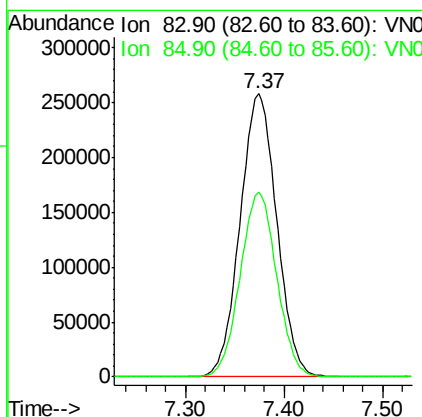
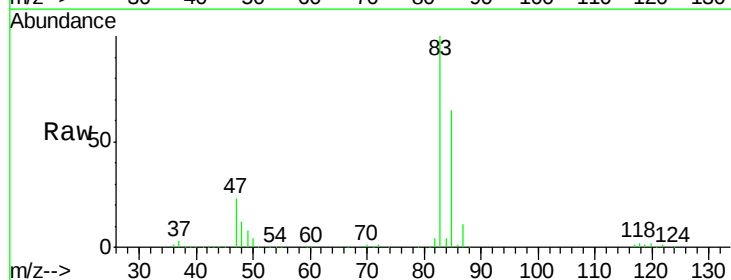
Manual Integrations
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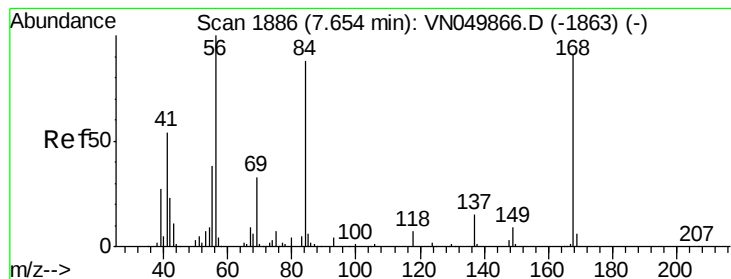
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#30
Chloroform
Concen: 49.04 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.4	77.2





#31

Cyclohexane

Concen: 48.00 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 515667

Ion Ratio Lower Upper

56 100

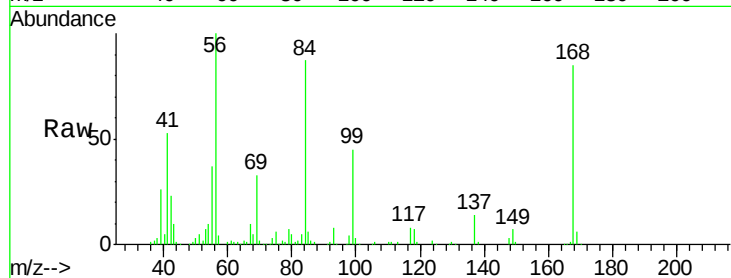
69 32.6 26.6 40.0

84 85.0 69.0 103.6

Manual Integrations
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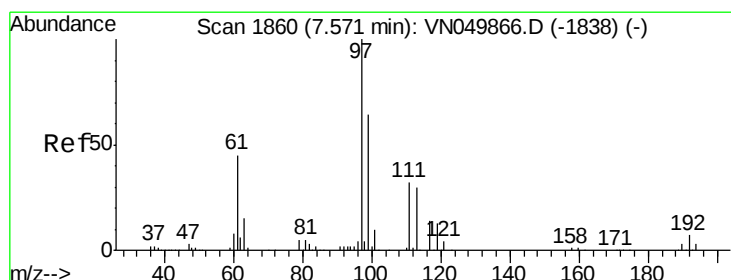
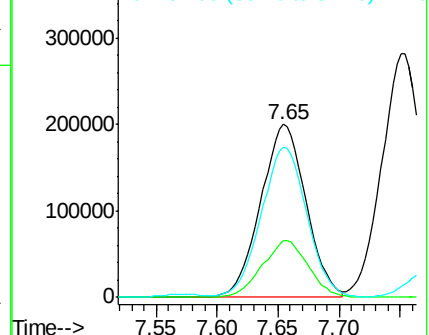
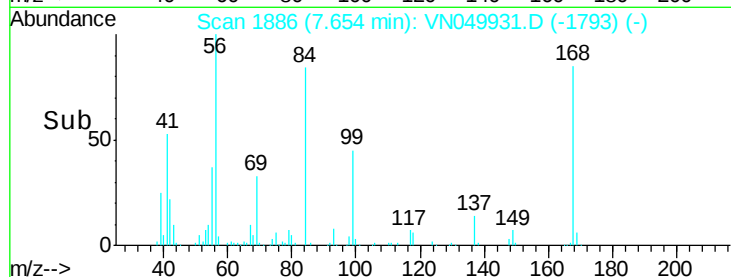
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Abundance Ion 56.00 (55.70 to 56.70): VN049931.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049931.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049931.D (-1793) (-)



#32

1,1,1-Trichloroethane

Concen: 48.10 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

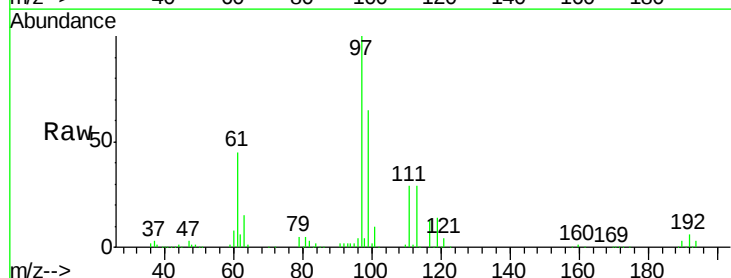
Tgt Ion: 97 Resp: 563381

Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.4

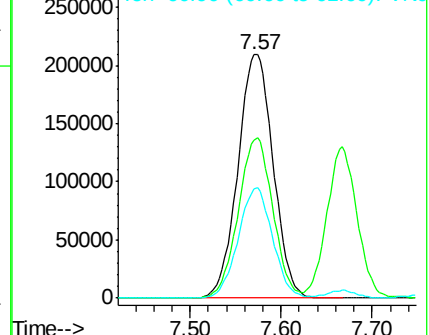
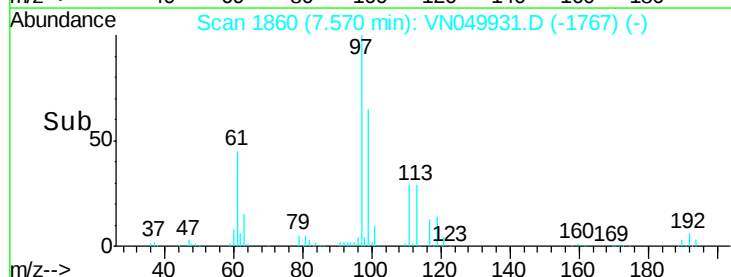
61 44.1 35.5 53.3

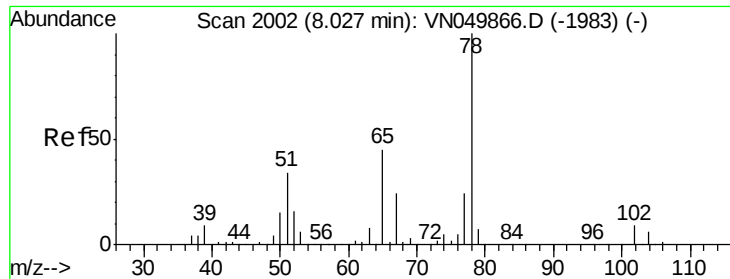


Abundance Ion 96.90 (96.60 to 97.60): VN049931.D (-1767) (-)

Ion 98.90 (98.60 to 99.60): VN049931.D (-1767) (-)

Ion 60.90 (60.60 to 61.60): VN049931.D (-1767) (-)





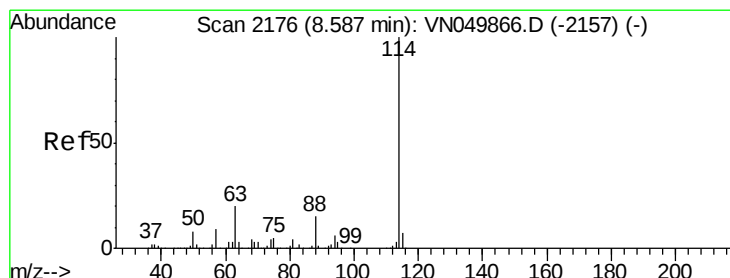
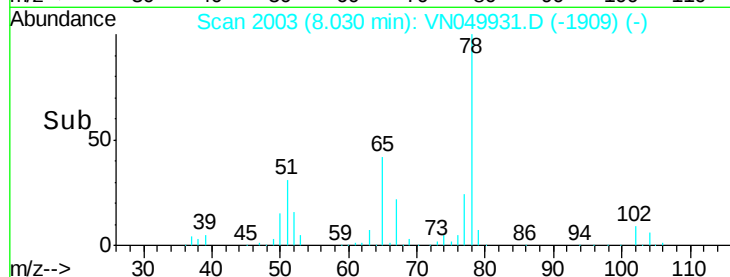
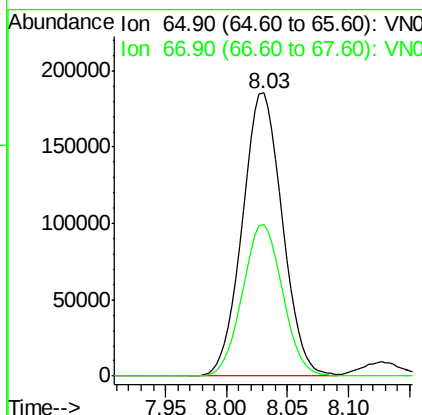
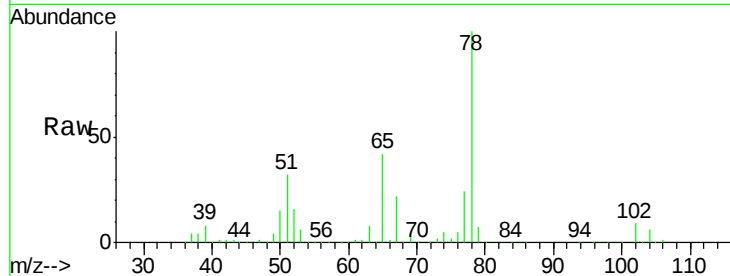
#33
 1,2-Dichloroethane-d4
 Concen: 52.01 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	421503		
67	53.7	0.0	107.2	

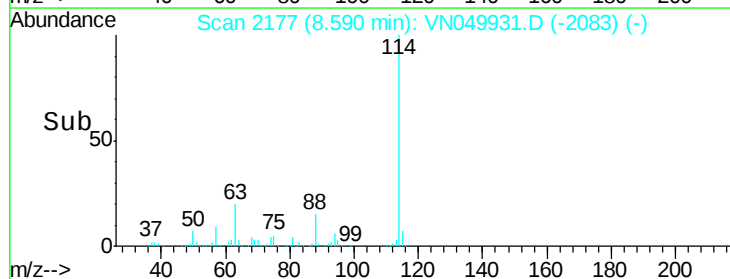
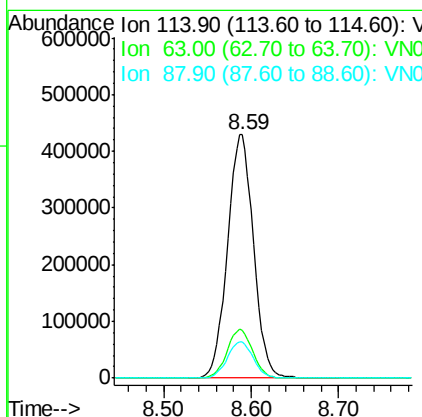
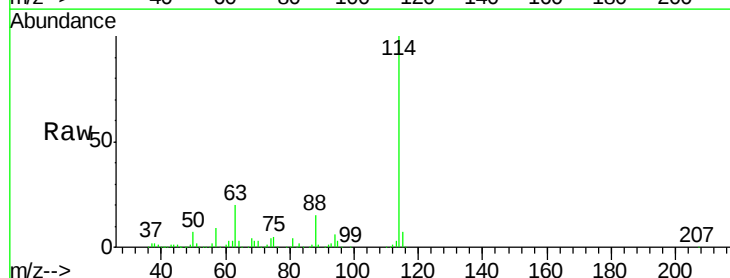
Manual Integrations
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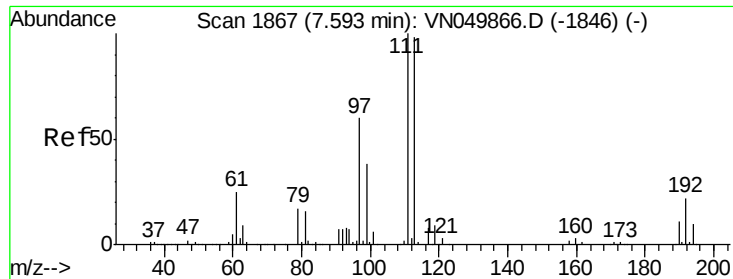
MMDadoda
 7/20/2018 11:08:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	883335		
63	19.5	0.0	39.8	
88	15.1	0.0	30.6	





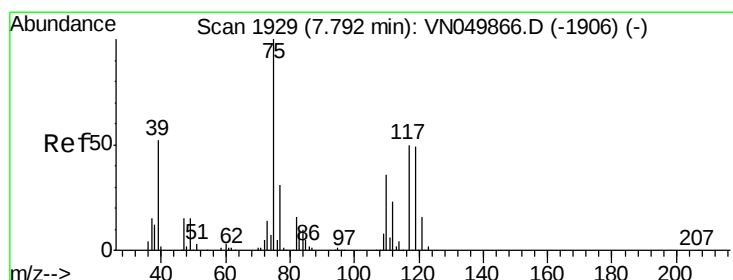
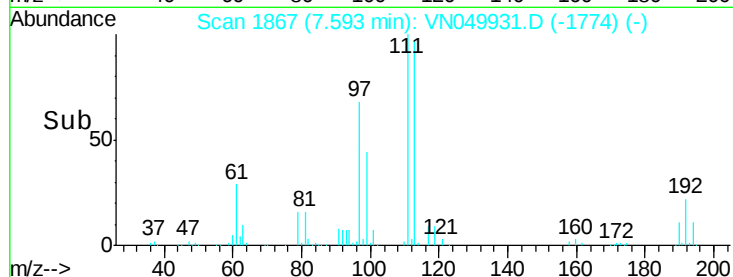
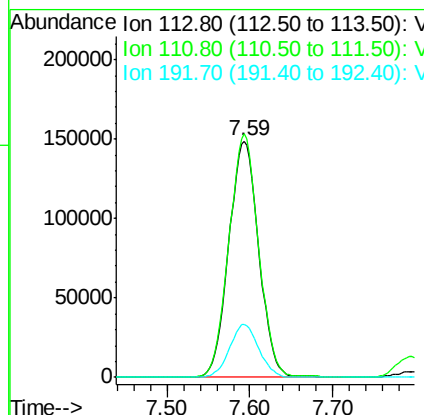
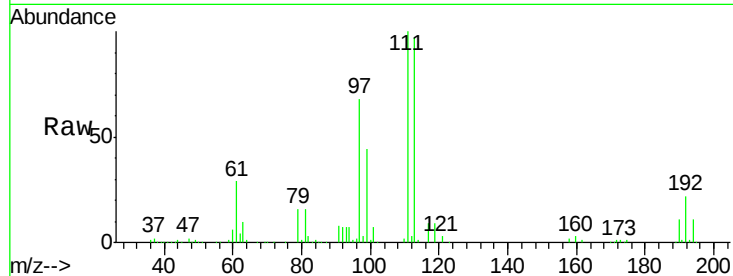
#35
Dibromofluoromethane
Concen: 50.49 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	374410		
111	102.0	81.8	122.8	
192	21.9	17.8	26.6	

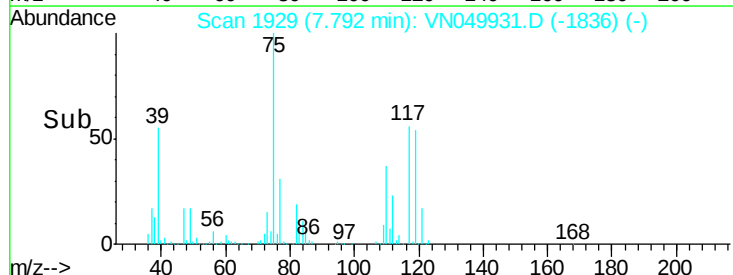
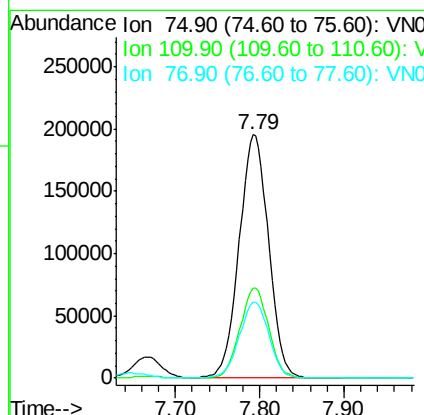
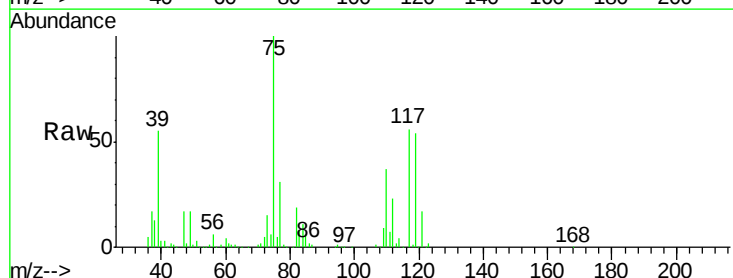
Manual Integrations
APPROVED

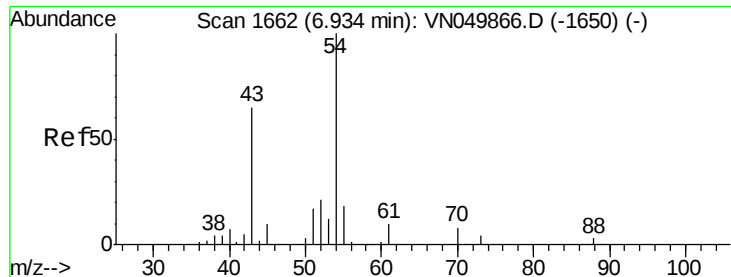
MMDadoda
7/20/2018 11:08:06 AM



#36
1,1-Dichloropropene
Concen: 48.22 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	473588		
110	36.3	18.1	54.4	
77	31.3	24.9	37.3	





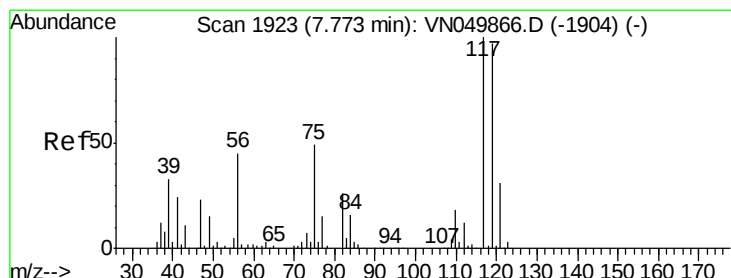
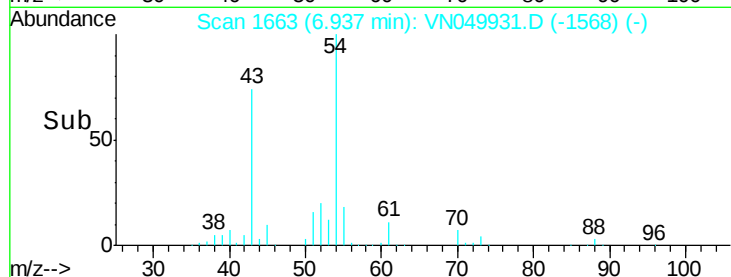
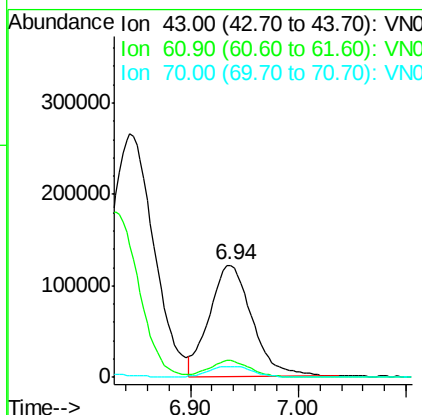
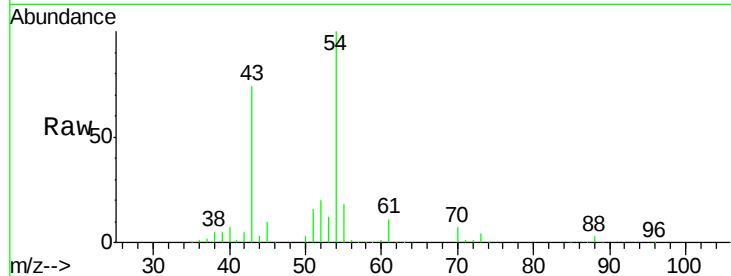
#37
Ethyl Acetate
Concen: 49.50 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70
Resp	333809		
Ratio	100	14.7	10.7
Lower		11.7	8.4
Upper		17.5	12.6

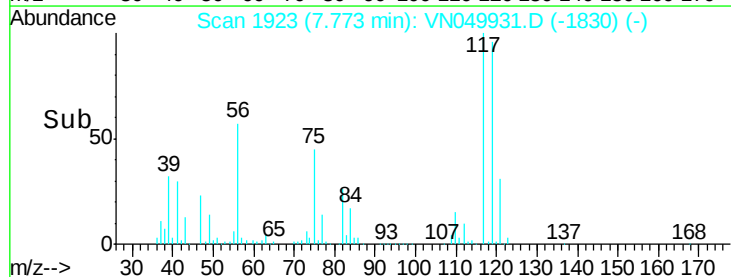
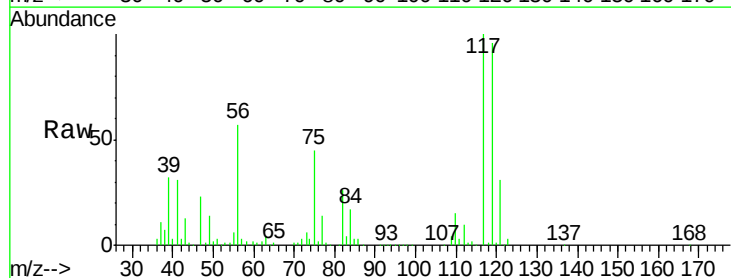
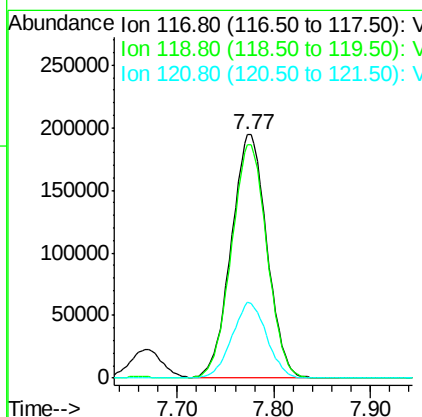
Manual Integrations
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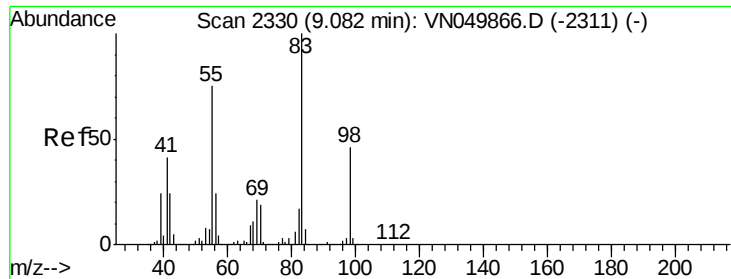
MMDadoda
7/20/2018 11:08:06 AM



#38
Carbon Tetrachloride
Concen: 47.36 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion	117	119	121
Resp	498297		
Ratio	100	96.1	31.0
Lower		77.2	25.0
Upper		115.8	37.6





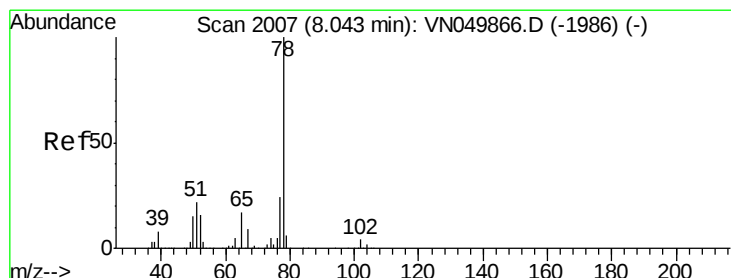
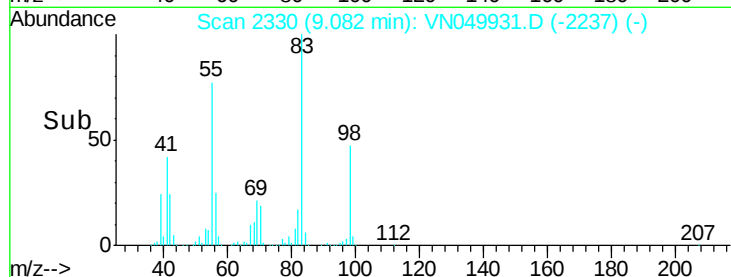
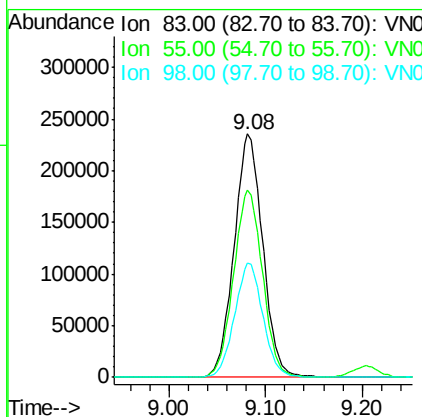
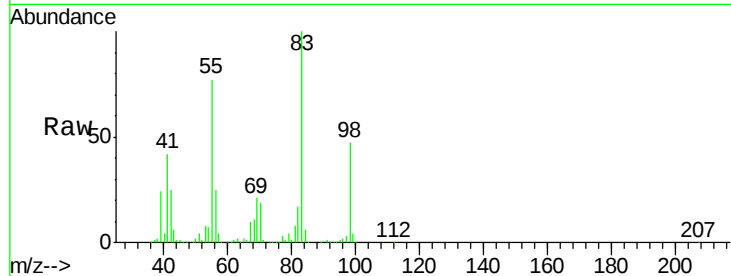
#39
Methvlcvclohexane
Concen: 47.66 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	483612
Ion Ratio	Lower	Upper	
83	100		
55	77.1	59.7	89.5
98	46.9	36.5	54.7

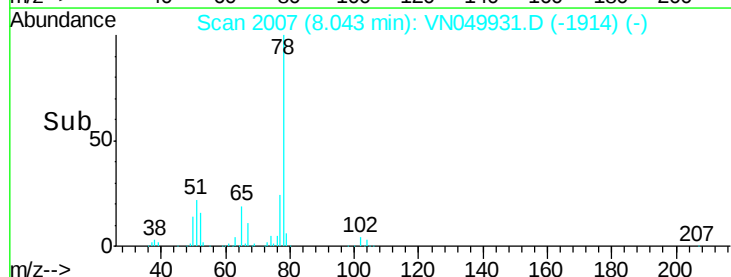
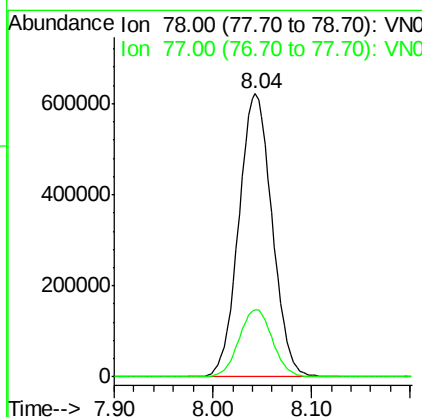
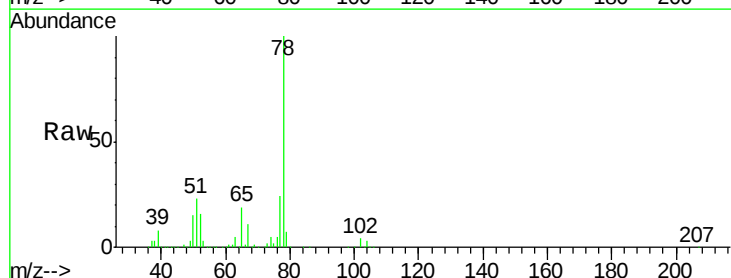
Manual Integrations
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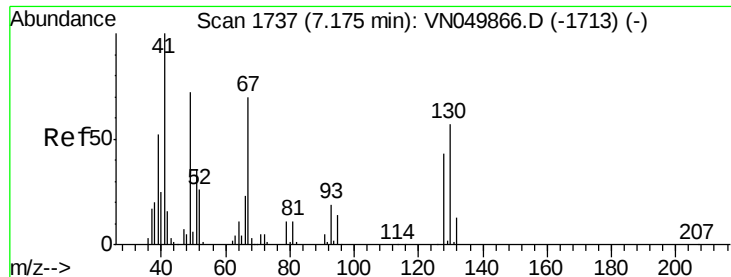
MMDadoda
7/20/2018 11:08:06 AM



#40
Benzene
Concen: 48.42 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion	78	Resp	1449619
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.0	28.4





#41

Methacrylonitrile

Concen: 50.18 ug/l

RT: 7.17 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

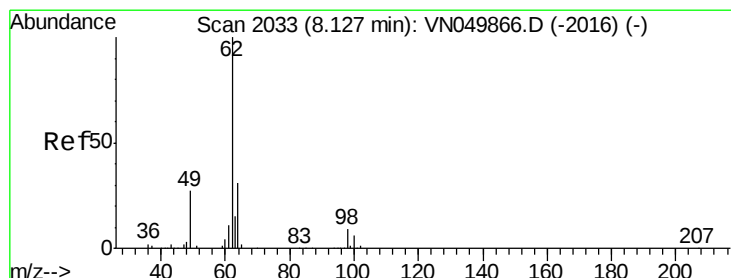
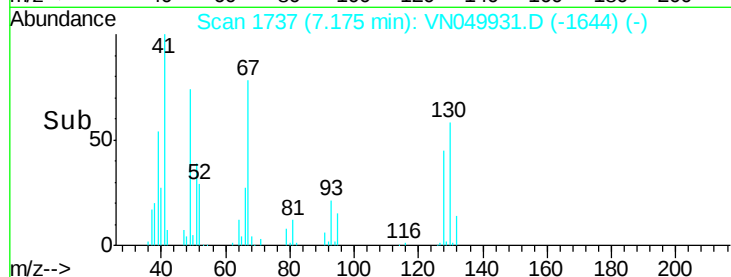
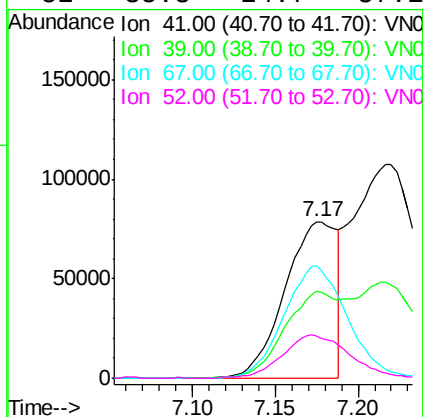
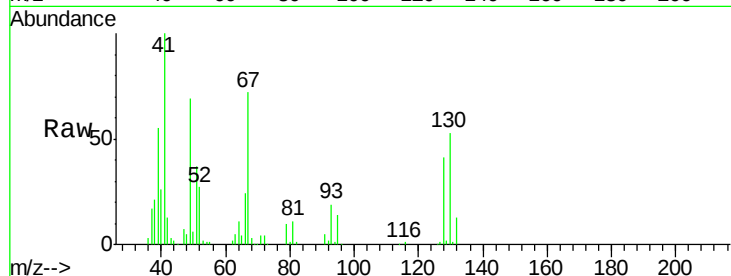
ClientSampleId :

VSTDCCC050

Tot Ion	41	Resp	169657
Ion	Ratio	Lower	Upper
41	100		
39	55.4	45.4	68.2
67	89.4	65.4	98.0
52	35.3	24.7	37.1

Manual Integrations
APPROVED

MMDadoda
7/20/2018 11:08:06 AM



#42

1,2-Dichloroethane

Concen: 48.76 ug/l

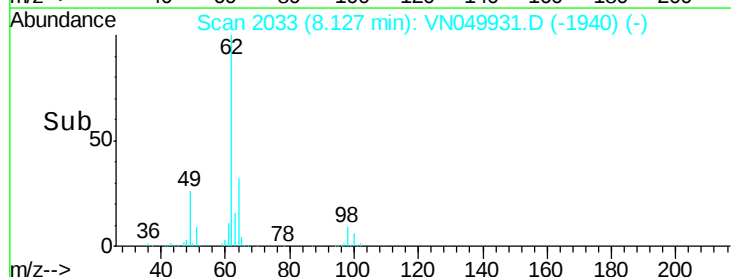
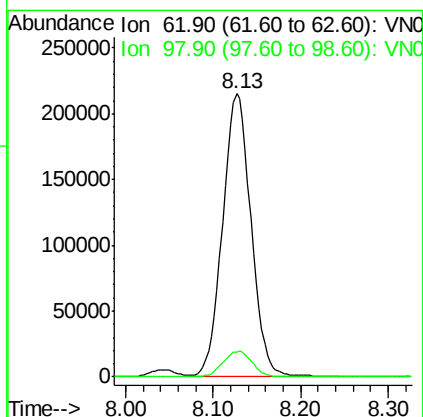
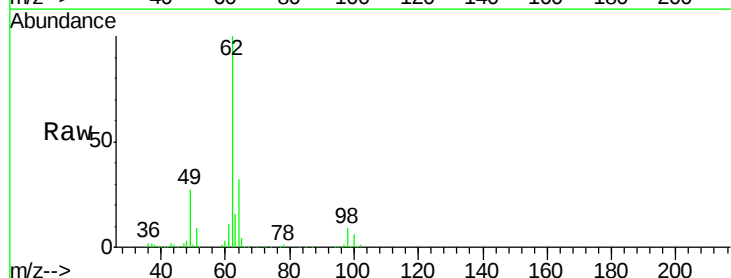
RT: 8.13 min Scan# 2033

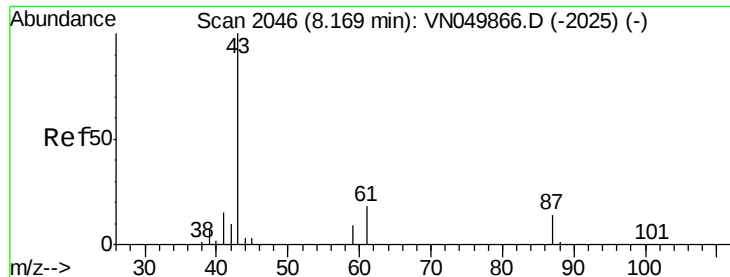
Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Tgt Ion	62	Resp	483493
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.0





#43

Isopropyl Acetate

Concen: 55.96 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

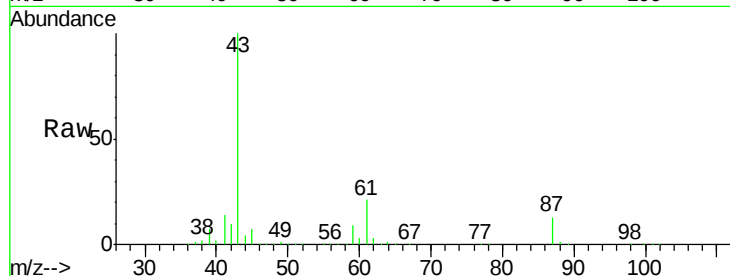
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	659336
Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.9	22.3
87	12.1	10.0	15.0

Manual Integrations
APPROVED

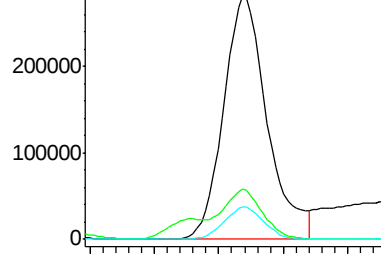
MMDadoda
7/20/2018 11:08:06 AM



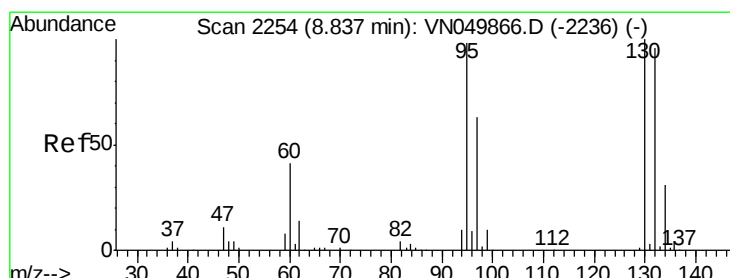
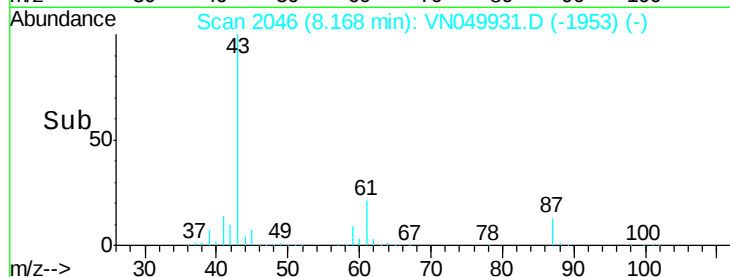
Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-2025) (-)

Ion 61.00 (60.70 to 61.70): VN049866.D (-2025) (-)

Ion 87.00 (86.70 to 87.70): VN049866.D (-2025) (-)



Time-->



#44

Trichloroethene

Concen: 47.69 ug/l

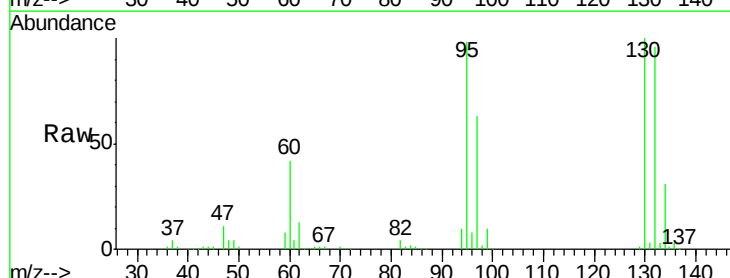
RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN049931.D

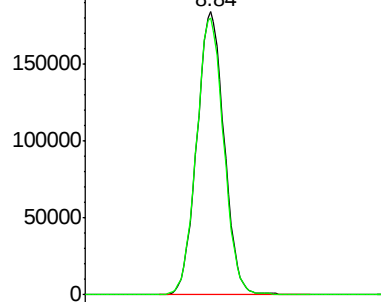
Acq: 19 Jul 2018 22:03

Tgt Ion:	130	Resp:	374325
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	192.8

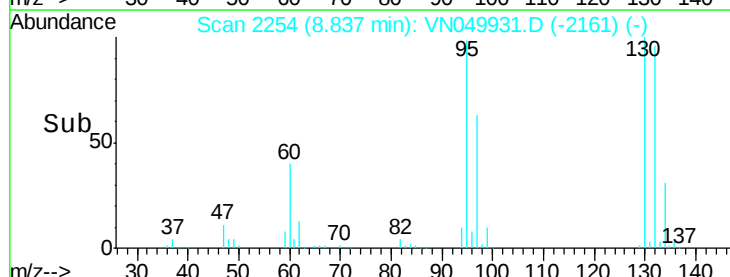


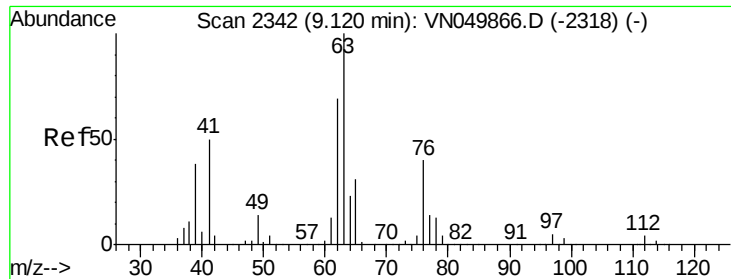
Abundance Ion 129.80 (129.50 to 130.50): VN049866.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN049866.D (-2236) (-)



Time-->





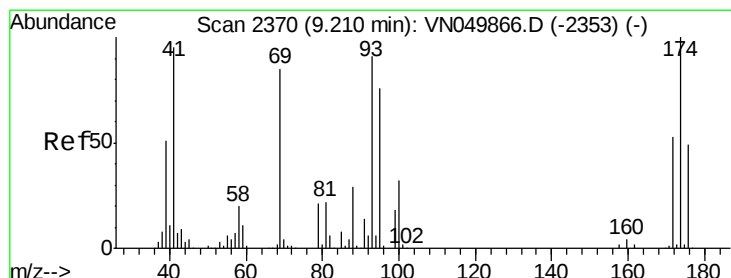
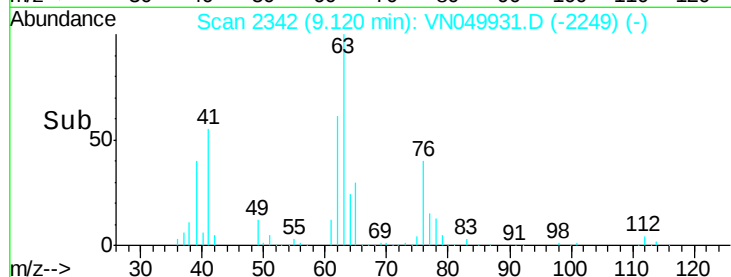
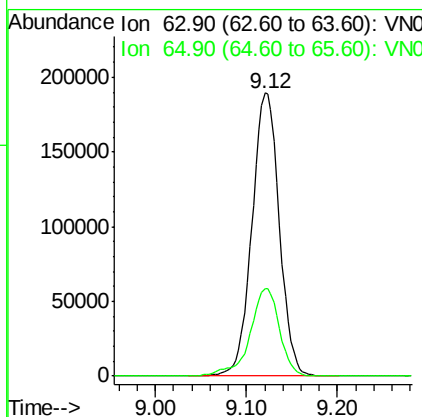
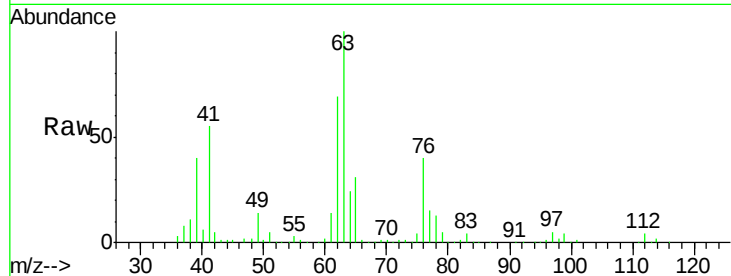
#45
 1,2-Dichloropropane
 Concen: 48.91 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 394957
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1

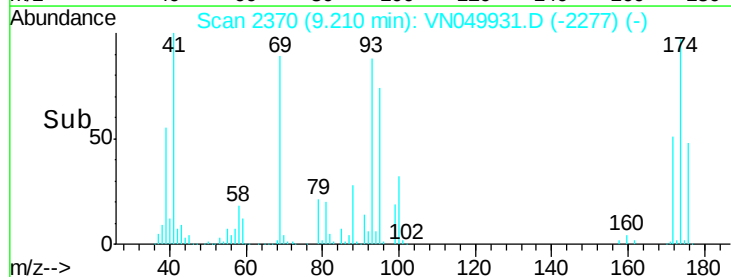
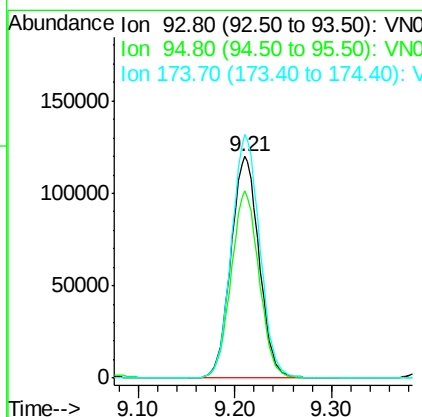
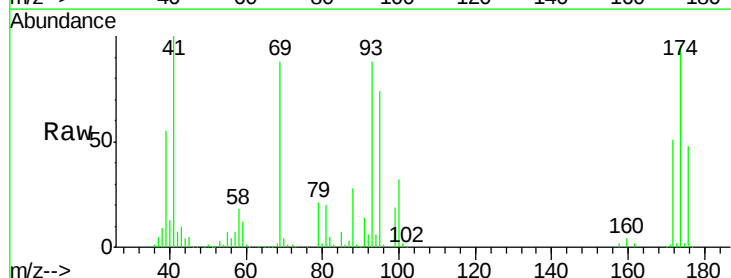
Manual Integrations
 APPROVED

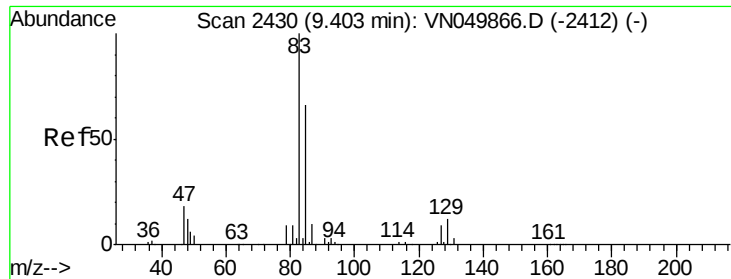
MMDadoda
 7/20/2018 11:08:06 AM



#46
 Dibromomethane
 Concen: 48.60 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Tgt Ion: 93 Resp: 243381
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.9 101.9
 174 109.4 89.4 134.0





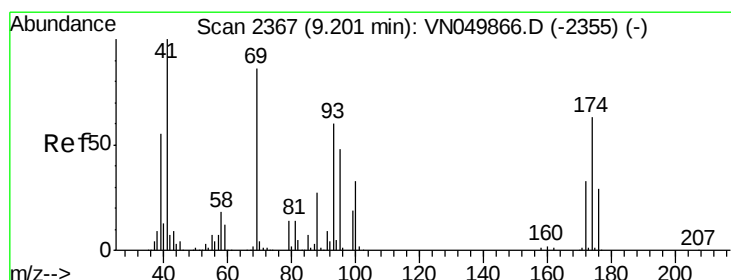
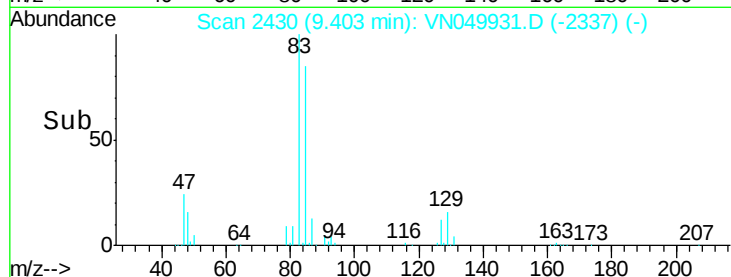
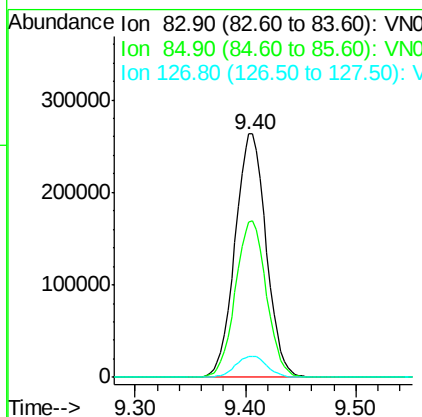
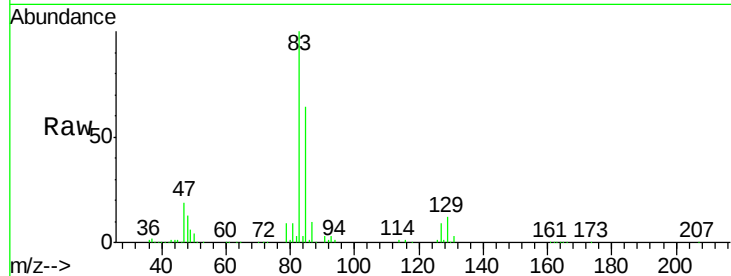
#47
Bromodichloromethane
Concen: 49.64 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.5	75.7
127	8.7	6.8	10.2

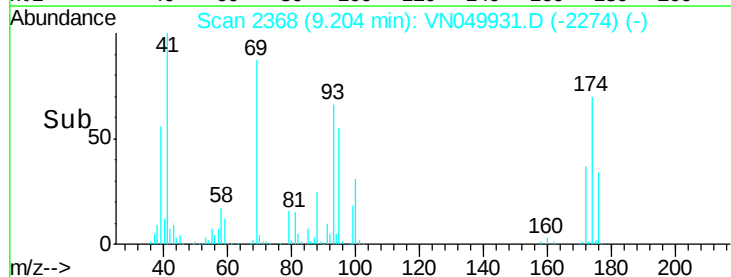
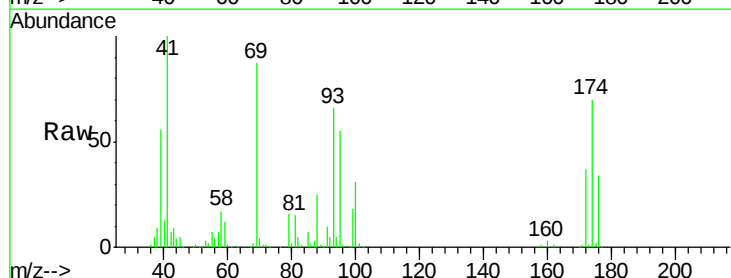
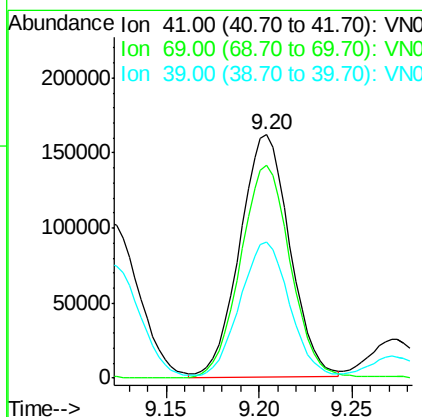
Manual Integrations
APPROVED

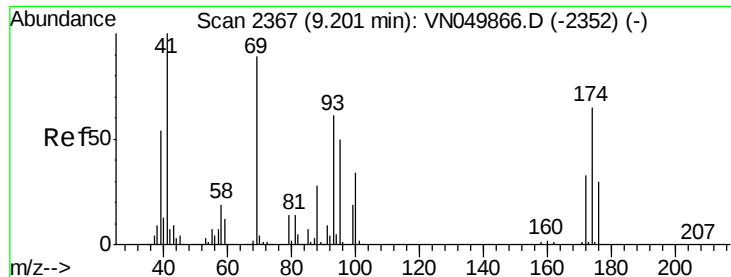
MMDadoda
7/20/2018 11:08:06 AM



#48
Methyl methacrylate
Concen: 51.58 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.9	71.5	107.3
39	55.7	44.7	67.1





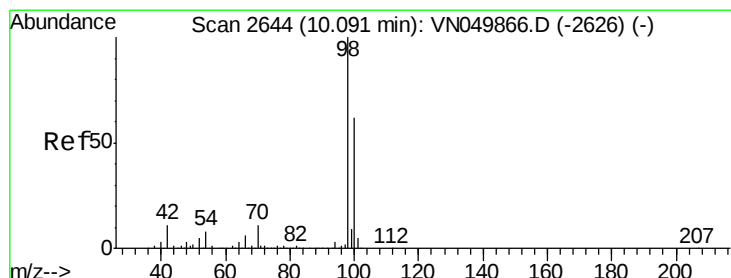
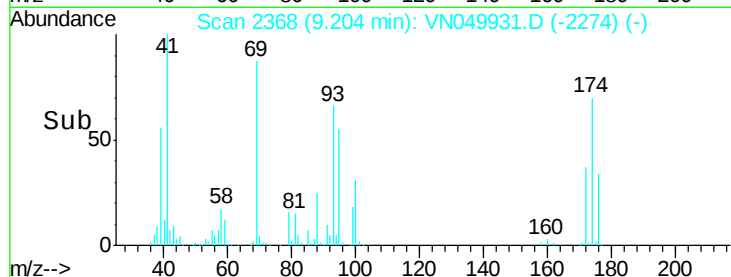
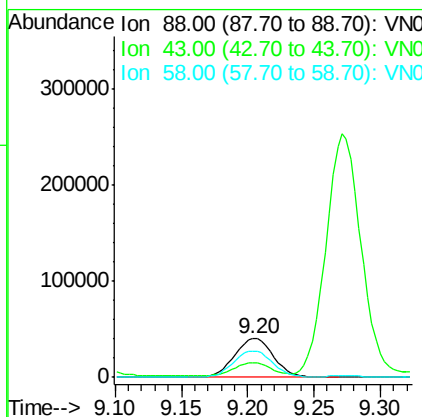
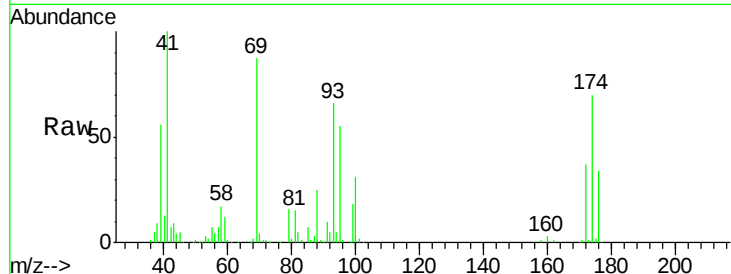
#49
1,4-Dioxane
Concen: 995.96 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	83508
Ion Ratio	Lower	Upper	
88	100		
43	33.1	25.1	37.7
58	68.5	52.5	78.7

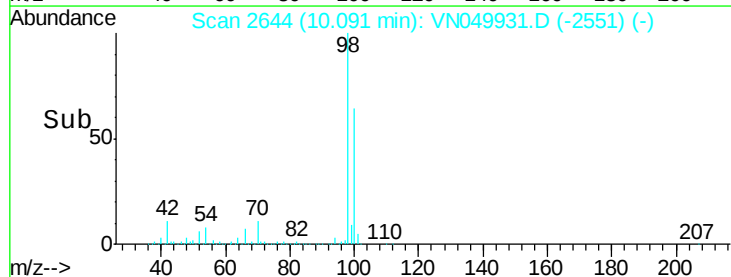
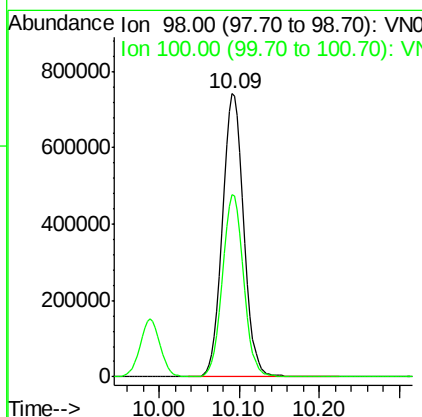
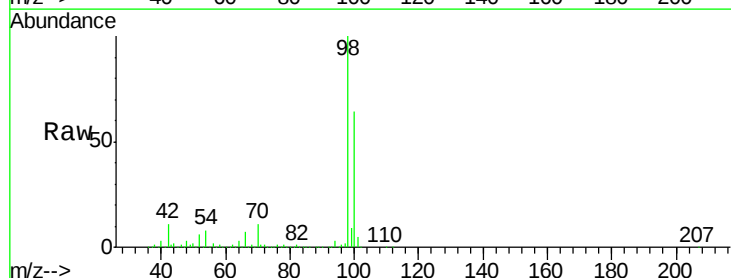
Manual Integrations
APPROVED

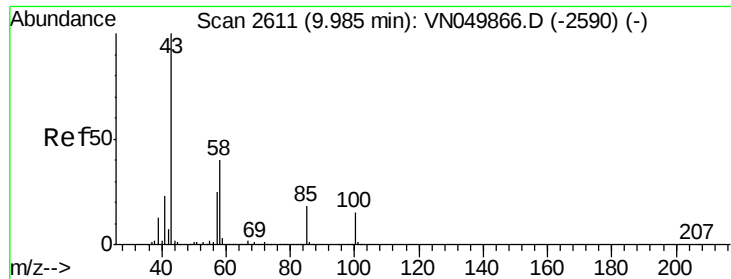
MMDadoda
7/20/2018 11:08:06 AM



#50
Toluene-d8
Concen: 50.71 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion	98	Resp	1370042
Ion Ratio	Lower	Upper	
98	100		
100	64.0	51.7	77.5





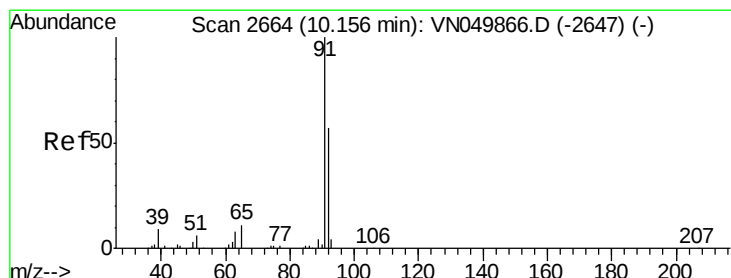
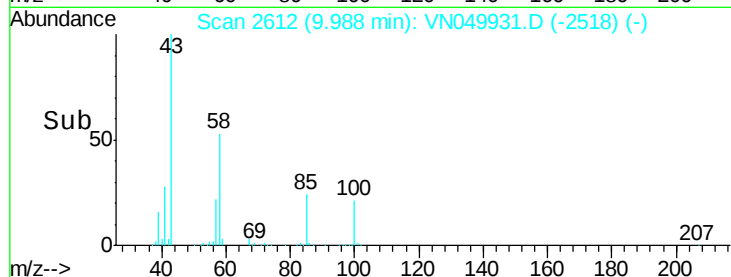
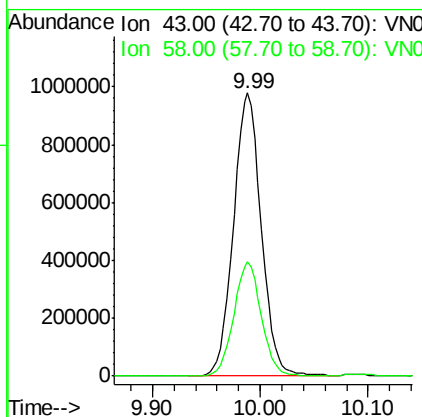
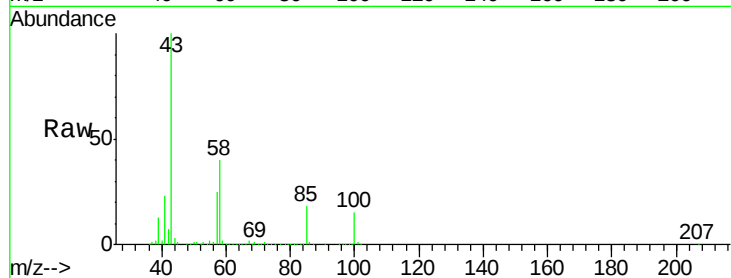
#51
4-Methyl-2-Pentanone
Concen: 266.14 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 1752988
Ion Ratio Lower Upper
43 100
58 40.0 31.8 47.8

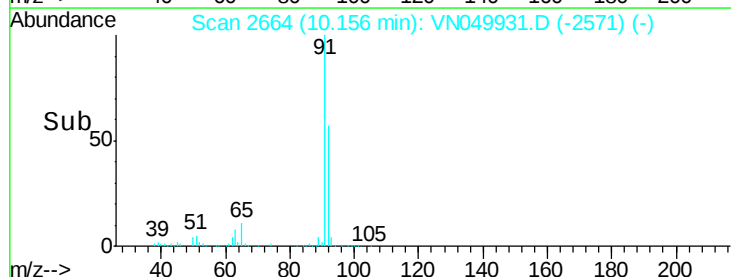
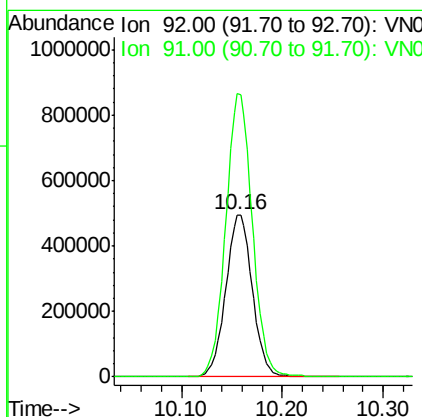
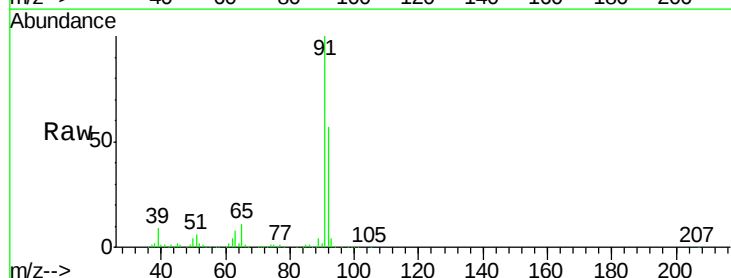
Manual Integrations
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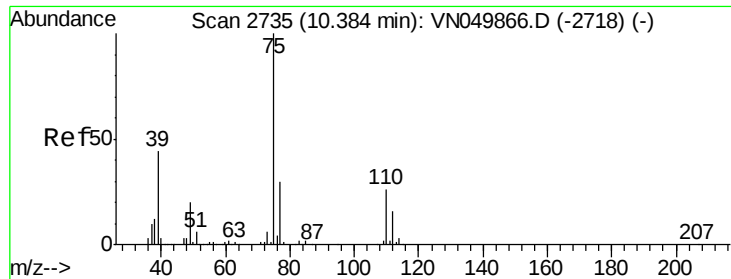
MMDadoda
7/20/2018 11:08:06 AM



#52
Toluene
Concen: 50.94 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion: 92 Resp: 909592
Ion Ratio Lower Upper
92 100
91 175.2 140.1 210.1





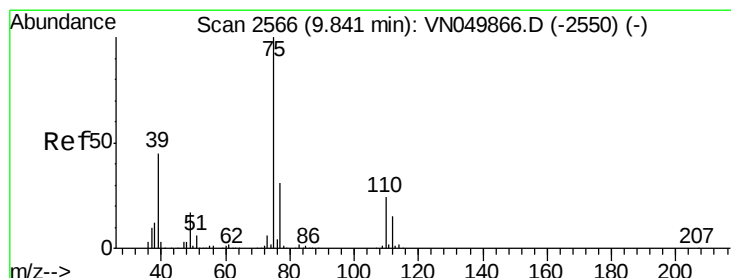
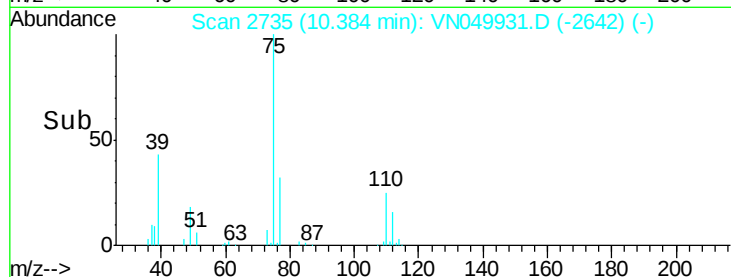
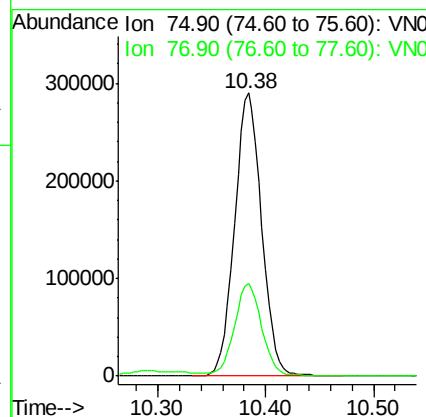
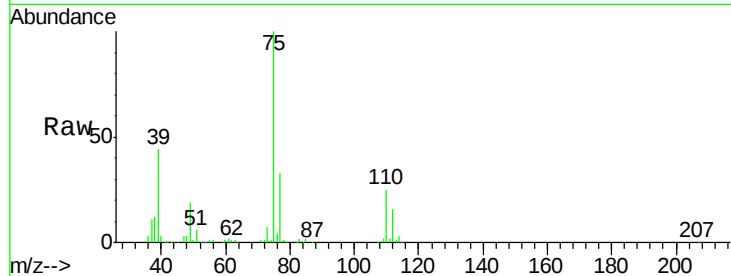
#53
t-1,3-Dichloropropene
Concen: 49.52 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.2	37.8

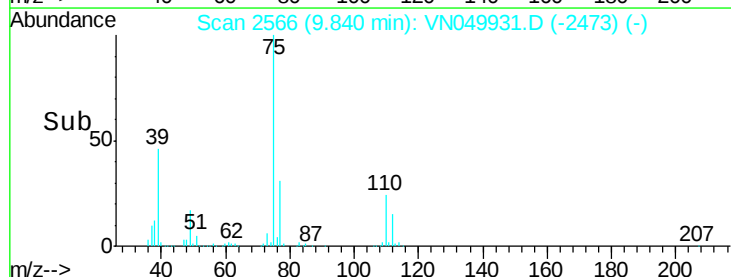
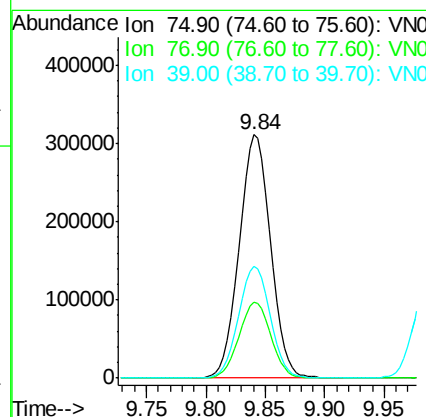
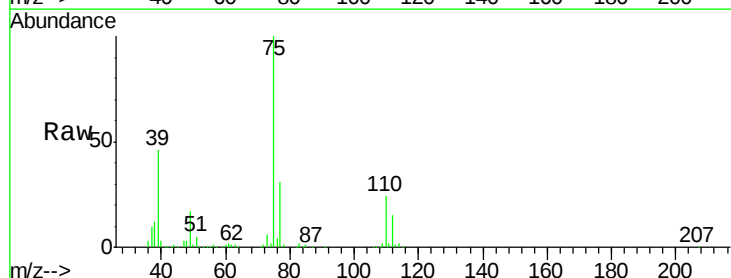
Manual Integrations
APPROVED

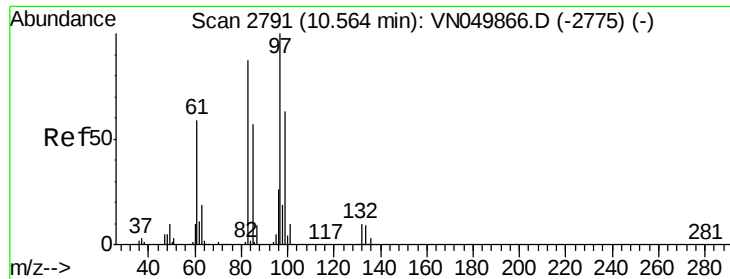
MMDadoda
7/20/2018 11:08:06 AM



#54
cis-1,3-Dichloropropene
Concen: 50.29 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.3	37.9
39	45.8	35.5	53.3





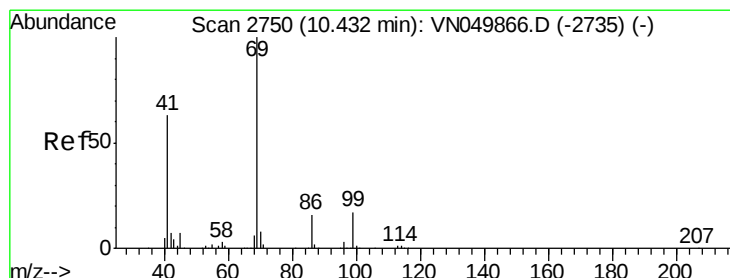
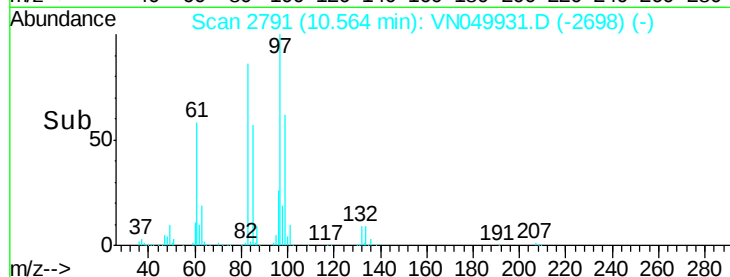
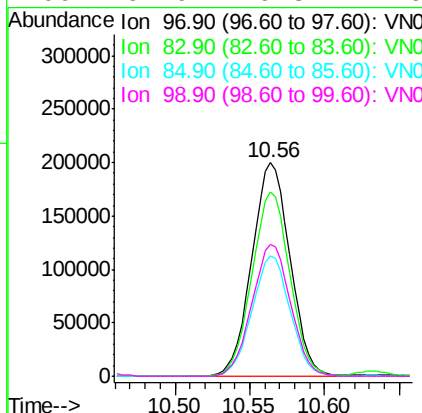
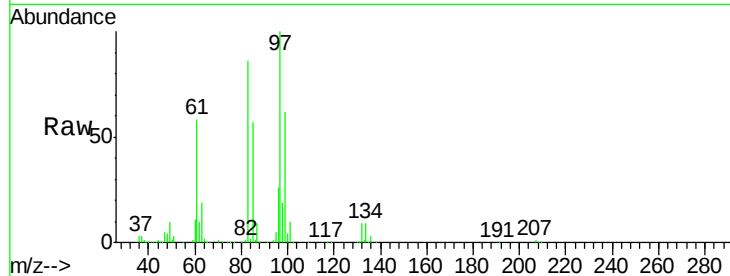
#55
 1,1,2-Trichloroethane
 Concen: 48.11 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	86.3	69.0	103.6	
85	56.6	44.9	67.3	
99	61.9	49.8	74.6	

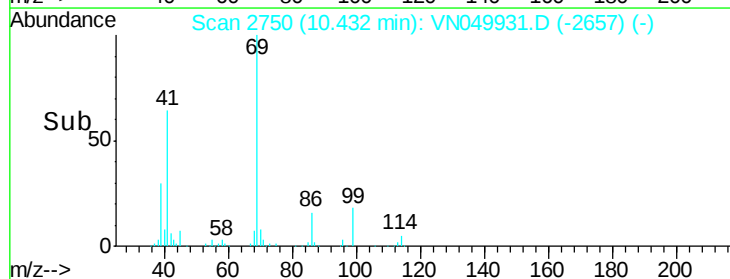
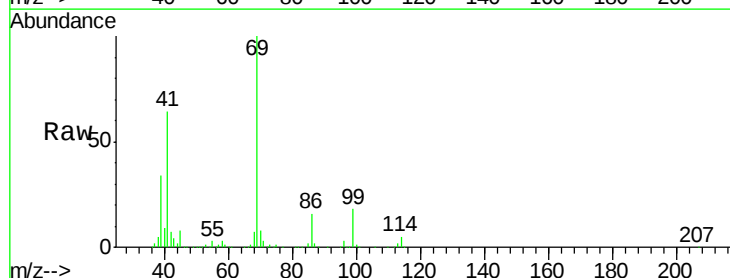
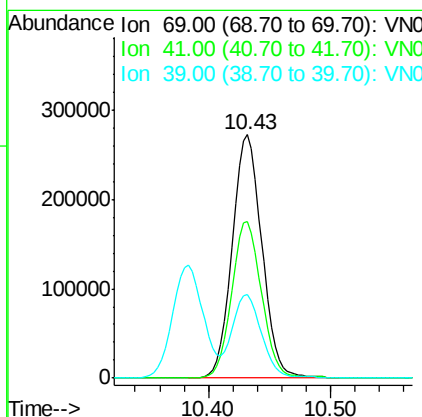
Manual Integrations
 APPROVED

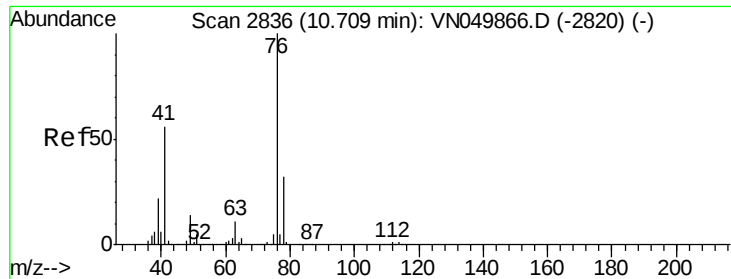
MMDadoda
 7/20/2018 11:08:06 AM



#56
 Ethyl methacrylate
 Concen: 46.73 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	64.1	51.6	77.4	
39	33.8	25.8	38.8	





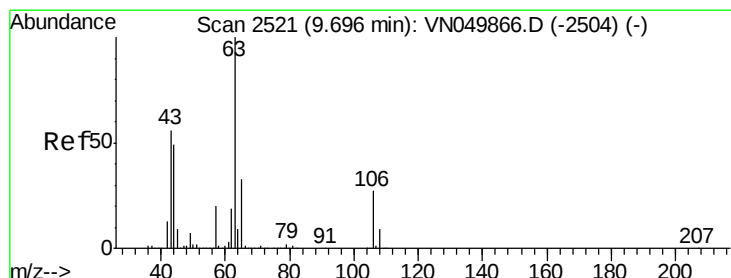
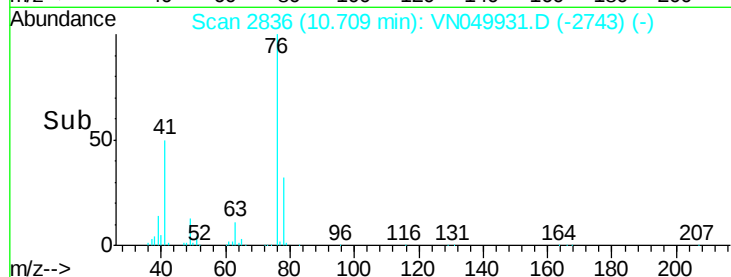
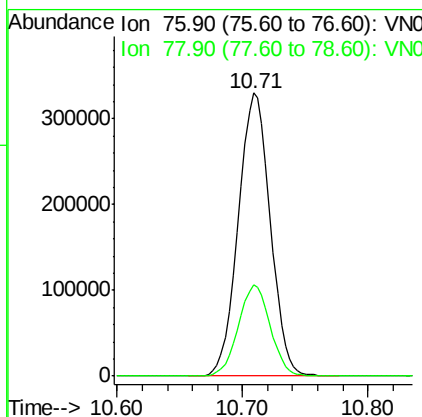
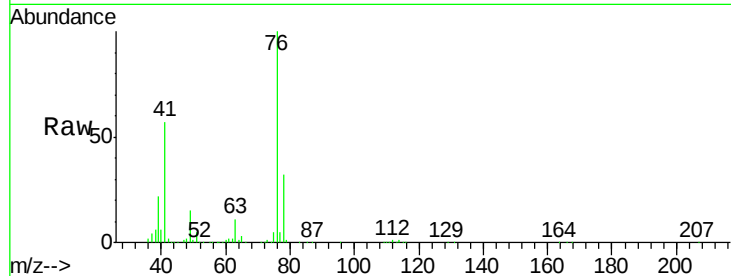
#57
 1,3-Dichloropropane
 Concen: 50.39 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

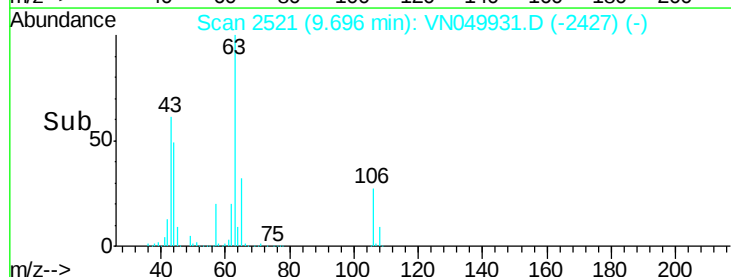
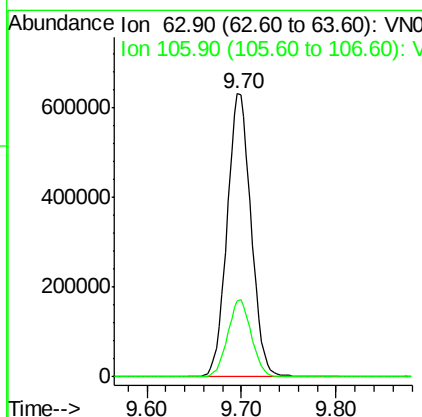
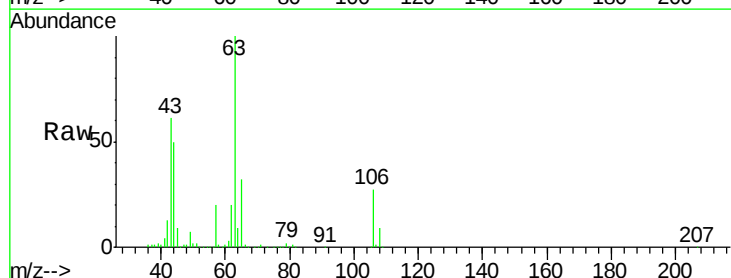
Manual Integrations
 APPROVED

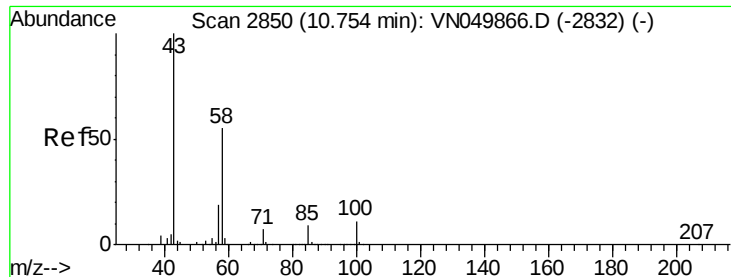
MMDadoda
 7/20/2018 11:08:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.46 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.8	32.8





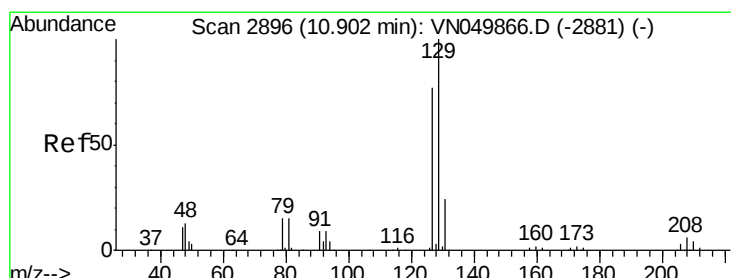
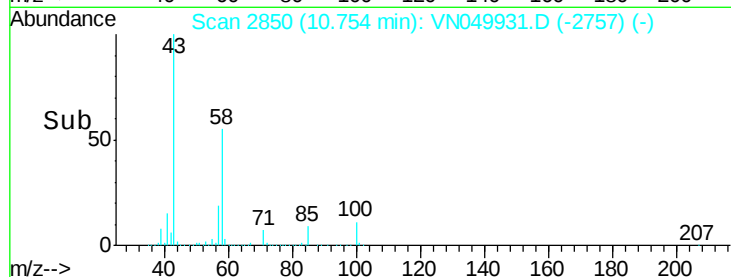
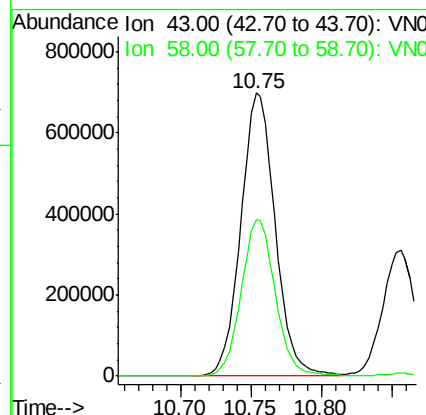
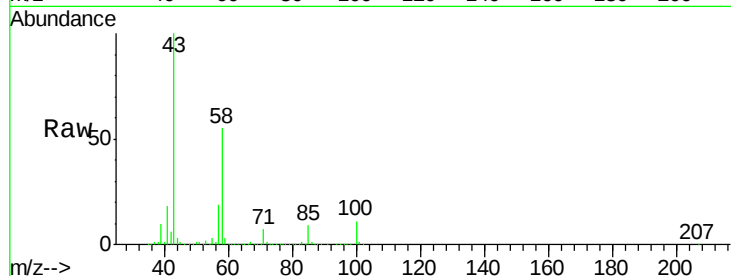
#59
2-Hexanone
Concen: 268.26 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1186834
Ion Ratio Lower Upper
43 100
58 55.3 27.8 83.4

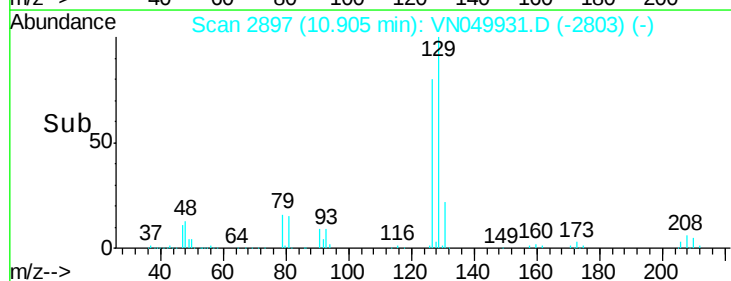
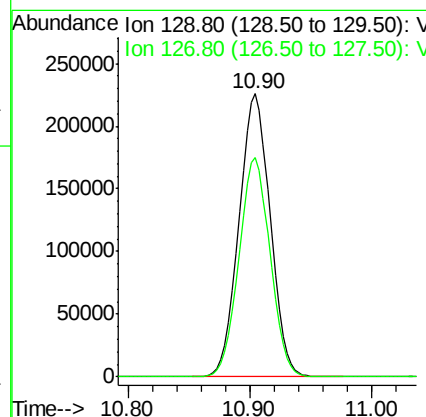
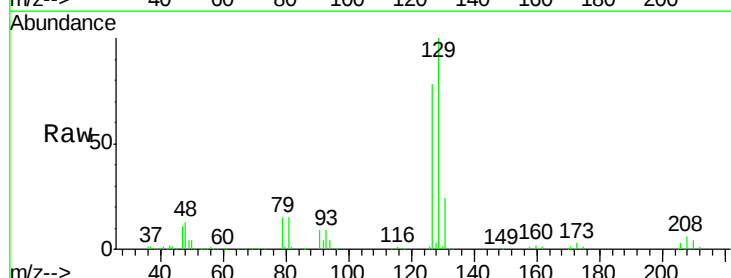
Manual Integrations
APPROVED

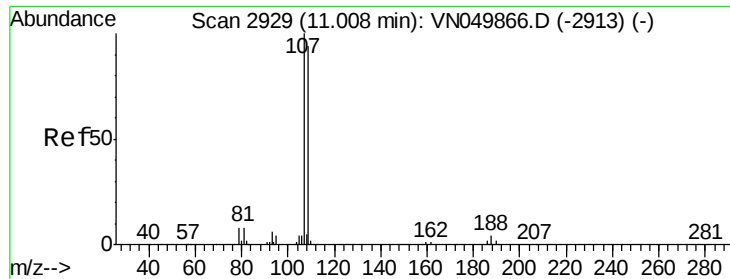
MMDadoda
7/20/2018 11:08:06 AM



#60
Dibromochloromethane
Concen: 49.46 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion: 129 Resp: 400068
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.9





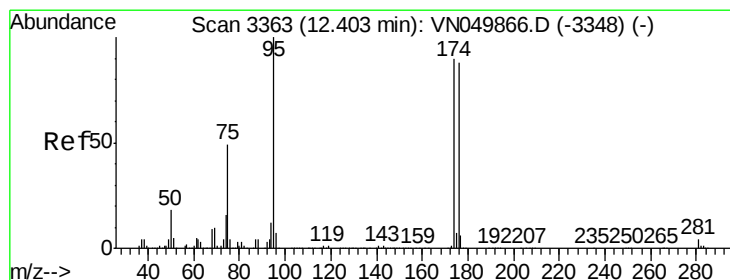
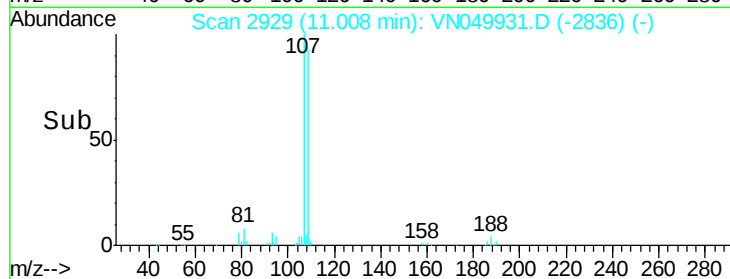
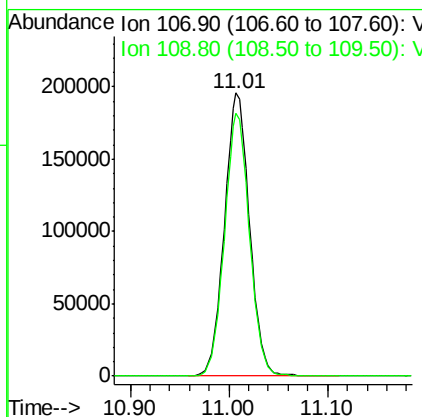
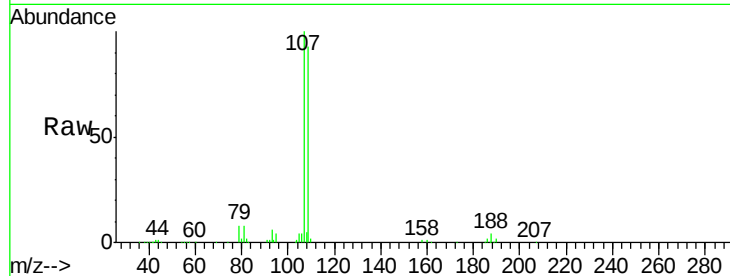
#61
 1,2-Dibromoethane
 Concen: 50.53 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 348326
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.0 112.6

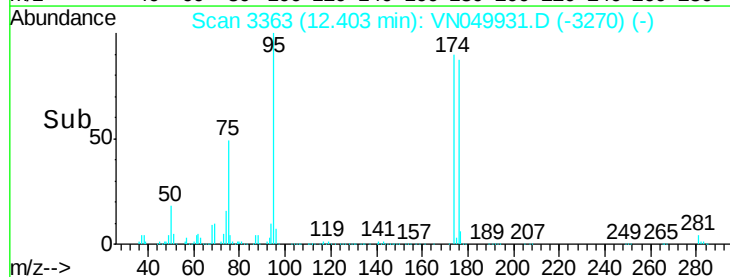
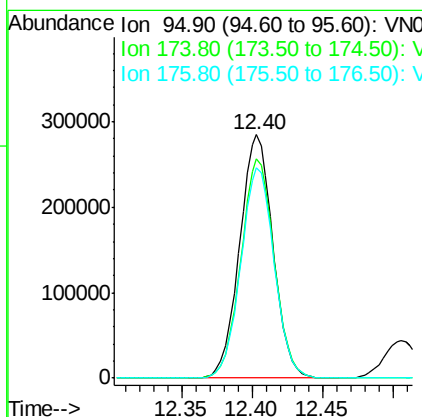
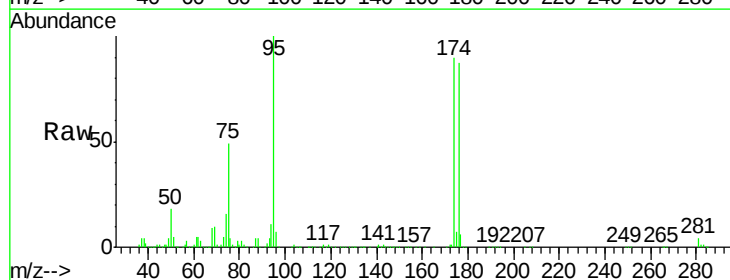
Manual Integrations
 APPROVED

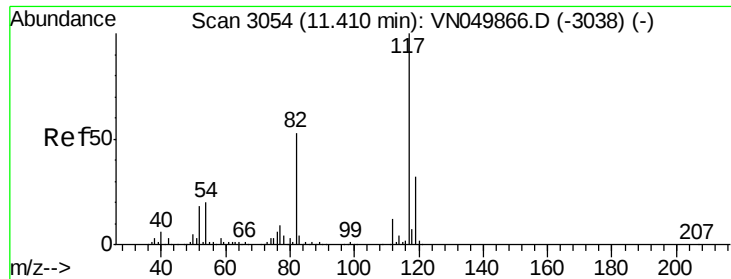
MMDadoda
 7/20/2018 11:08:06 AM



#62
 4-Bromofluorobenzene
 Concen: 50.57 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Tgt Ion: 95 Resp: 470541
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 179.6
 176 86.9 0.0 174.0





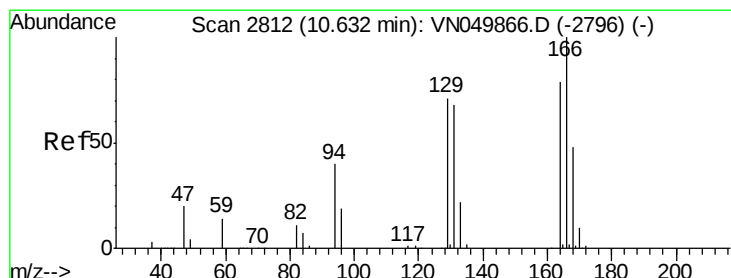
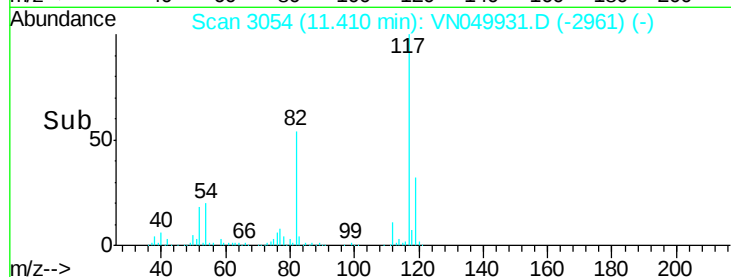
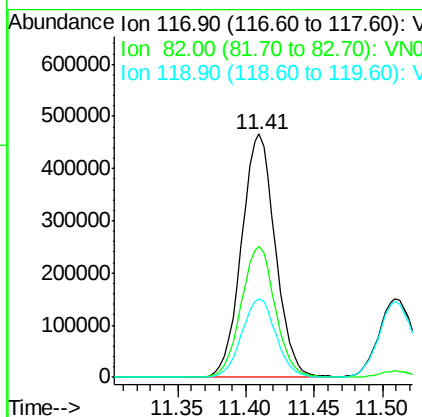
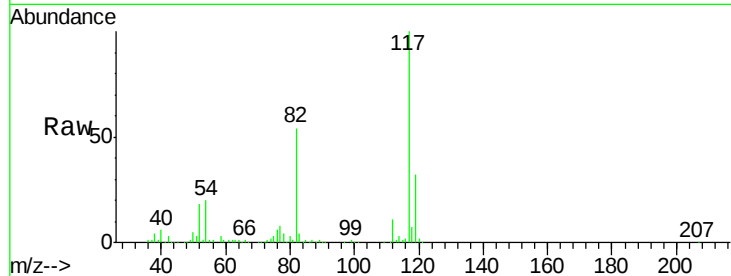
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	41.9	62.9
119	32.3	25.4	38.2

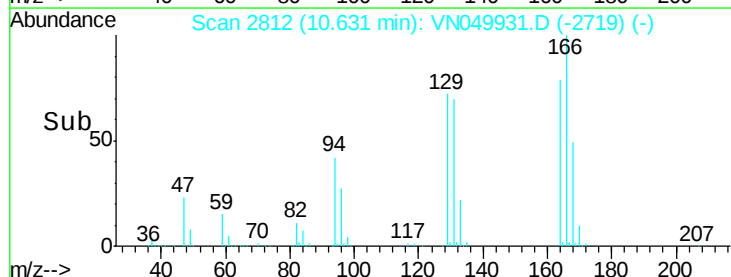
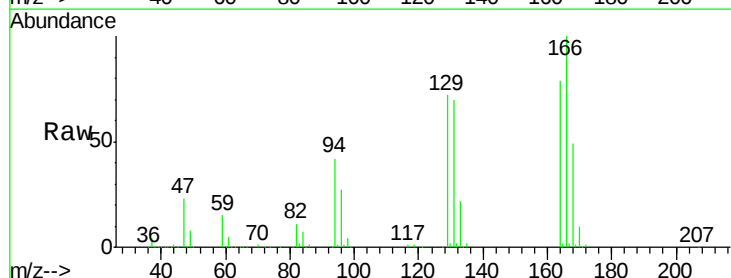
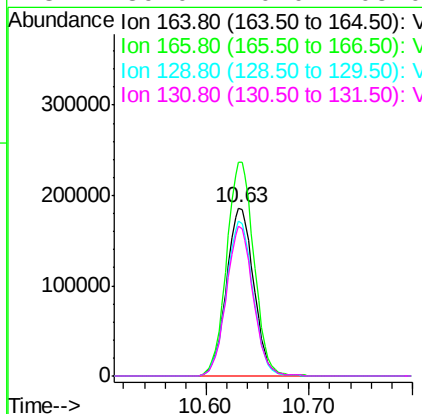
Manual Integrations
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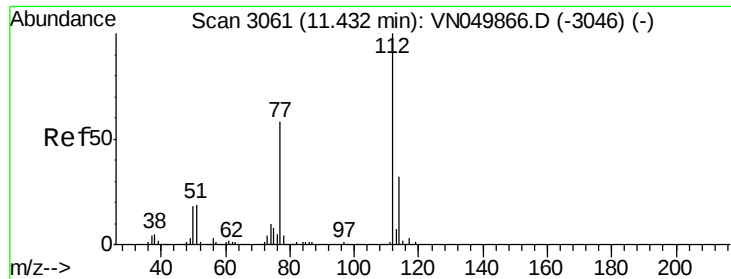
MMDadoda
7/20/2018 11:08:06 AM



#64
Tetrachloroethene
Concen: 47.53 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	101.8	152.6
129	92.1	72.8	109.2
131	89.0	70.0	105.0





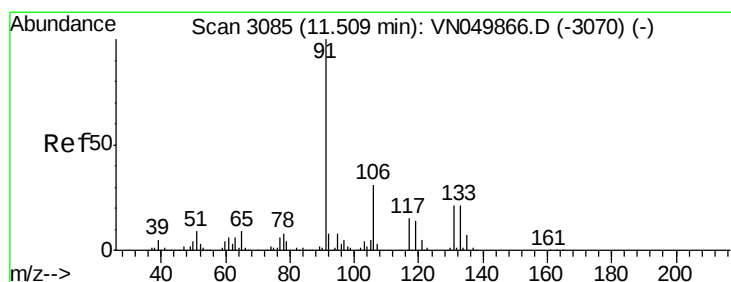
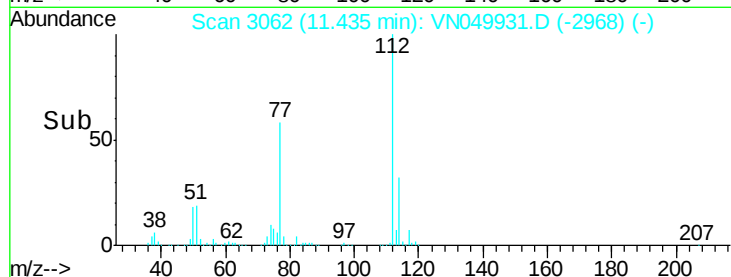
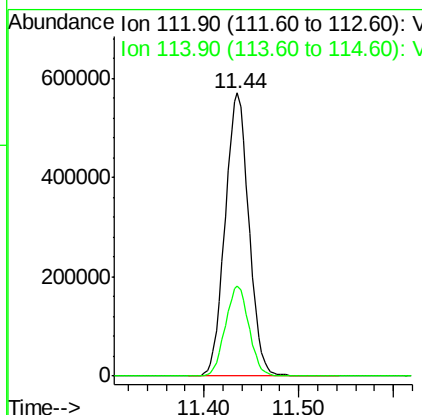
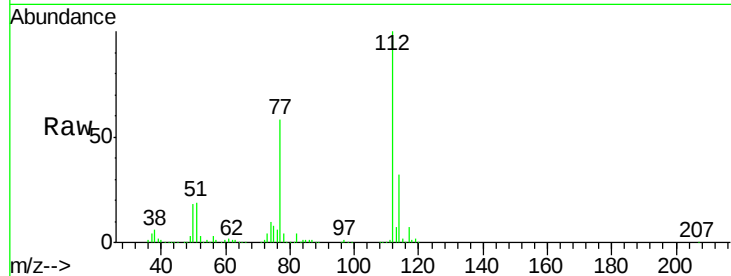
#65
Chlorobenzene
Concen: 49.30 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 993505
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0

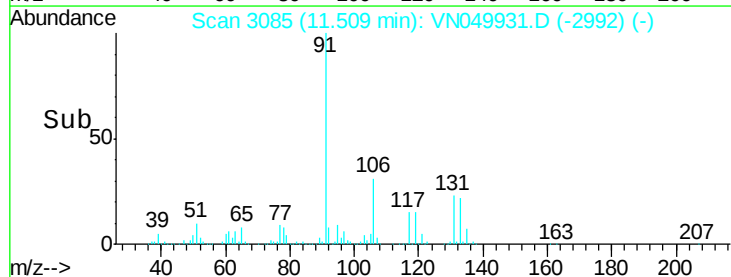
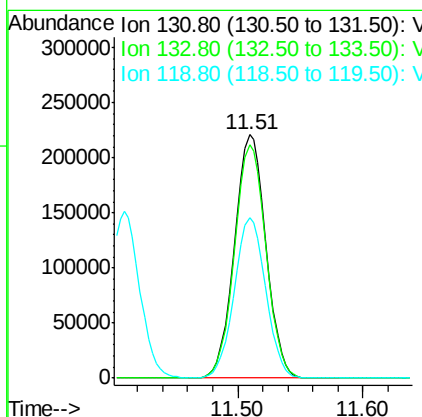
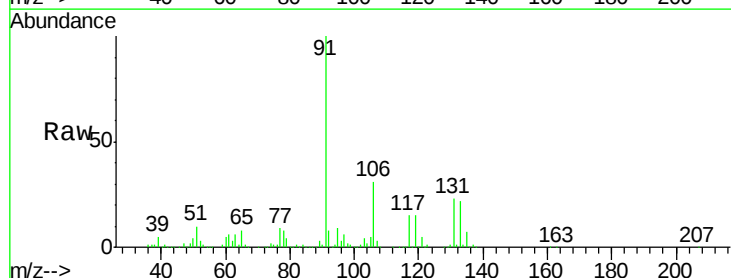
Manual Integrations
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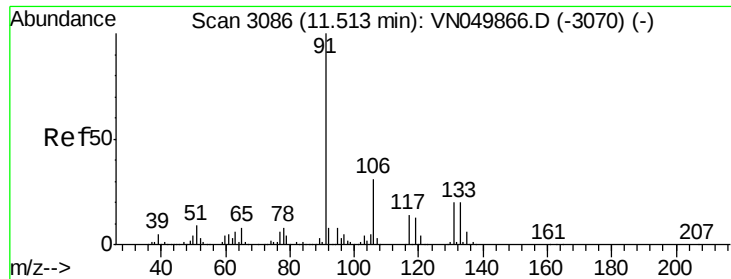
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.12 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion:131 Resp: 383391
Ion Ratio Lower Upper
131 100
133 96.3 47.5 142.6
119 66.0 33.1 99.3





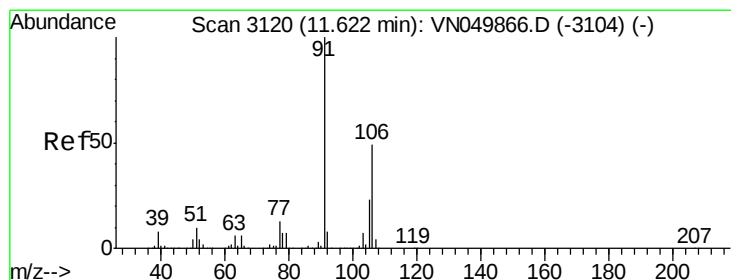
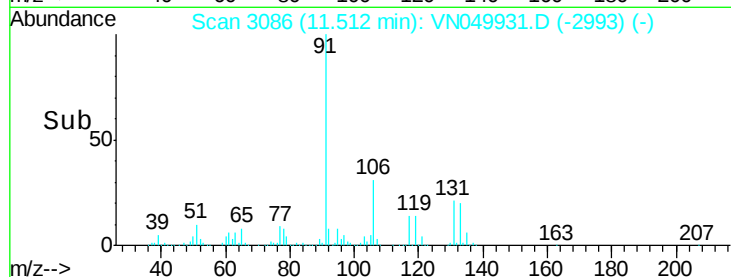
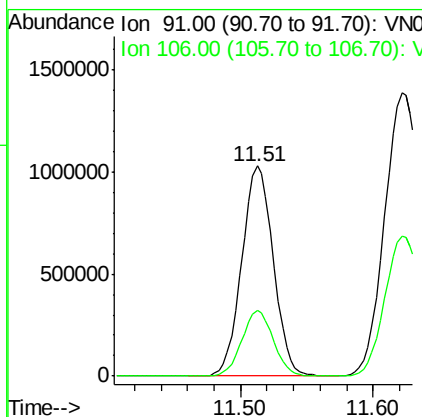
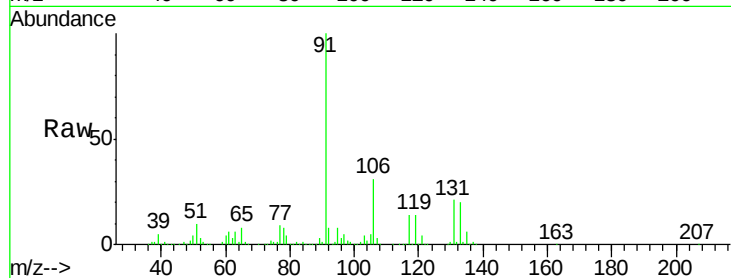
#67
Ethyl Benzene
Concen: 52.11 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1703622
Ion Ratio Lower Upper
91 100
106 31.3 24.8 37.2

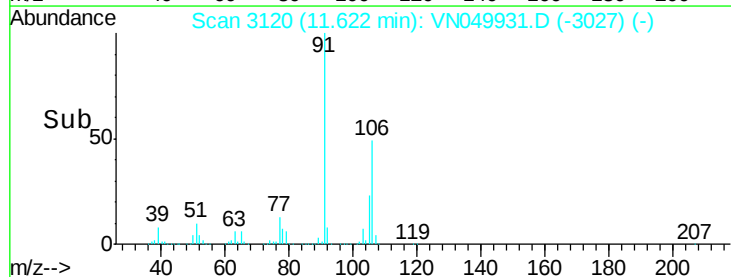
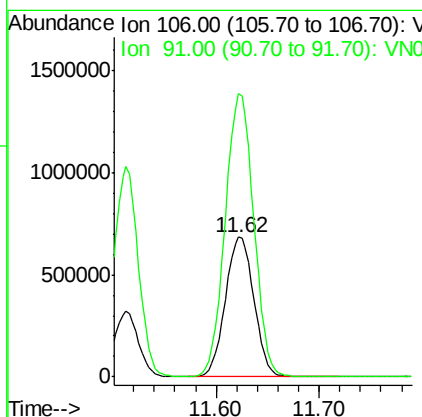
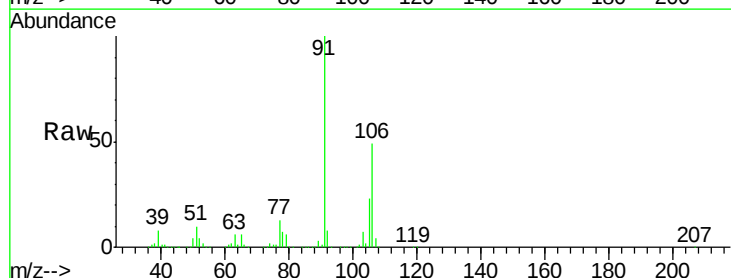
Manual Integrations
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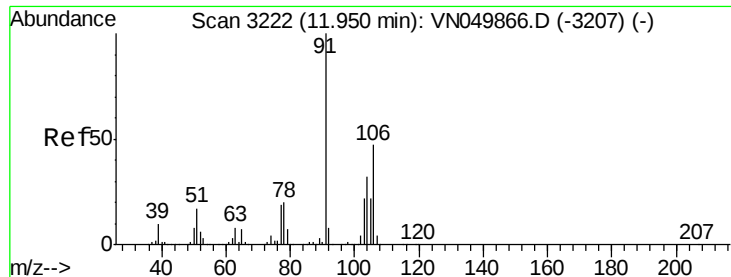
MMDadoda
7/20/2018 11:08:06 AM



#68
m/p-Xylenes
Concen: 106.45 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion: 106 Resp: 1317263
Ion Ratio Lower Upper
106 100
91 203.3 163.4 245.2





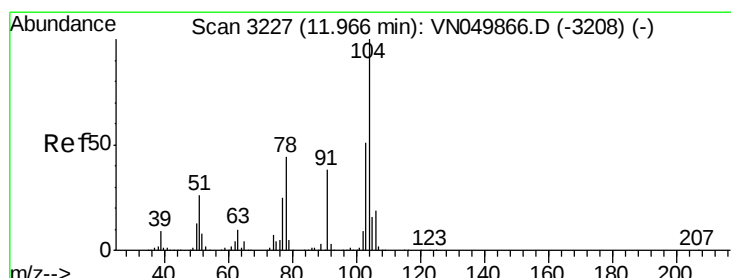
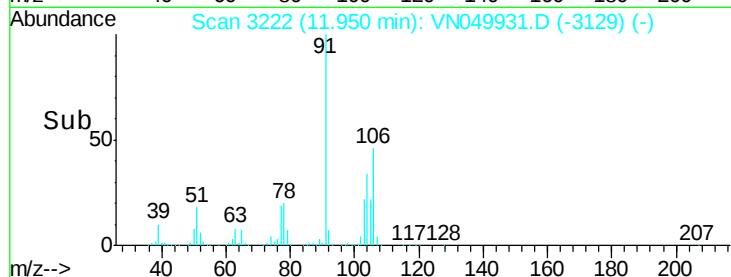
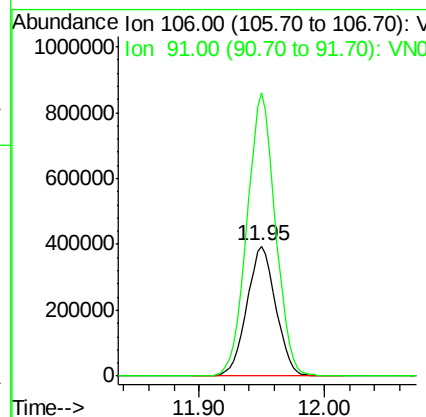
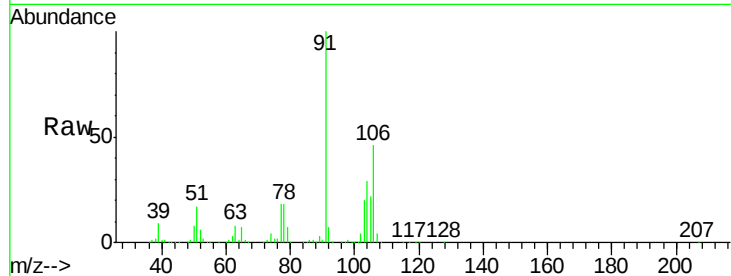
#69
o-Xylene
Concen: 53.25 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.2	108.7	326.1

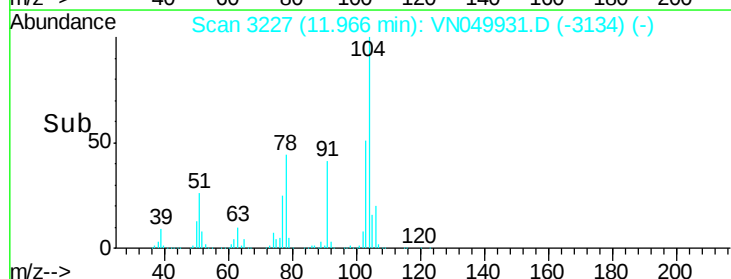
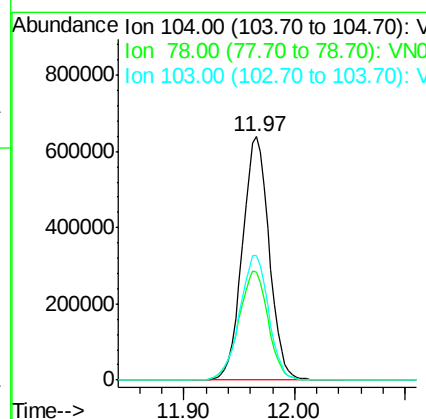
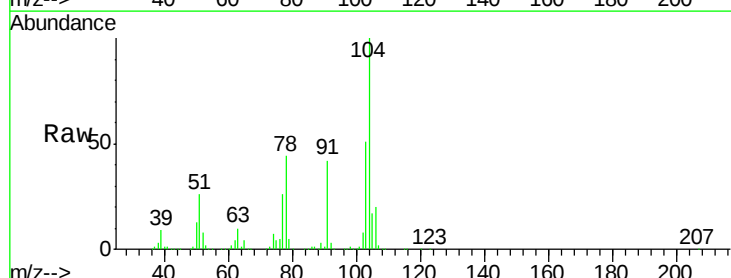
Manual Integrations
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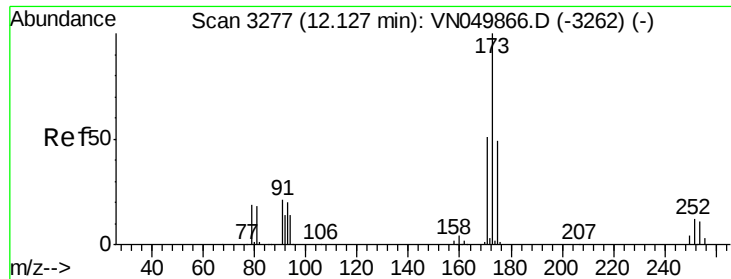
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#70
Styrene
Concen: 55.74 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.2	58.8
103	55.6	44.6	67.0





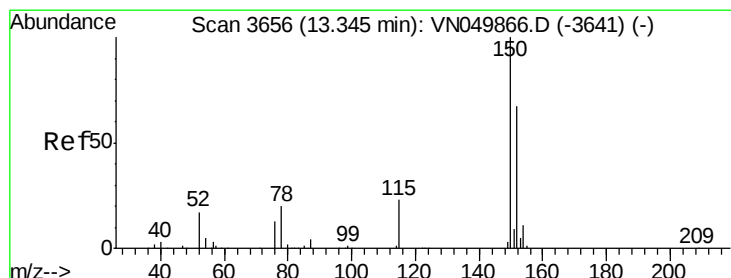
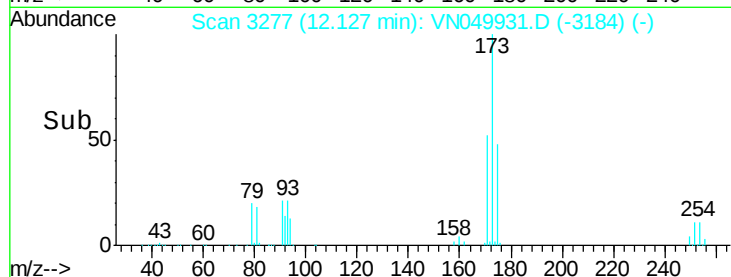
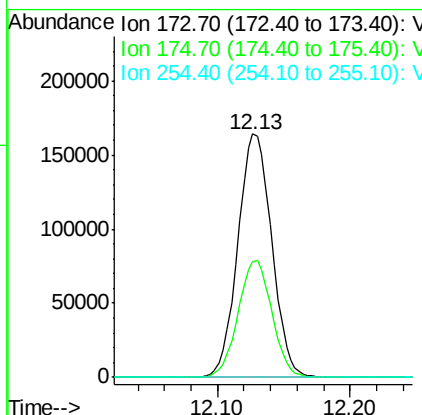
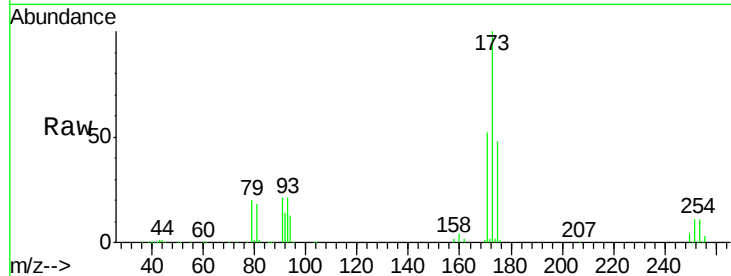
#71
Bromoform
Concen: 52.14 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.6	73.8
254	0.0	0.2	0.2#

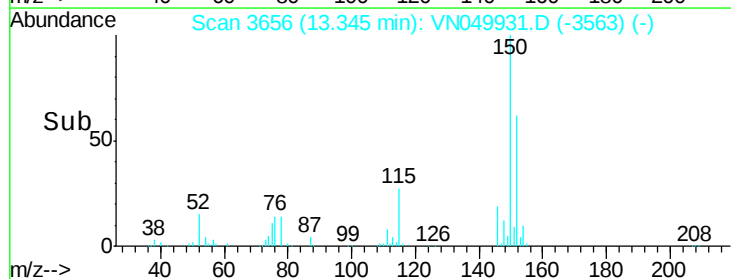
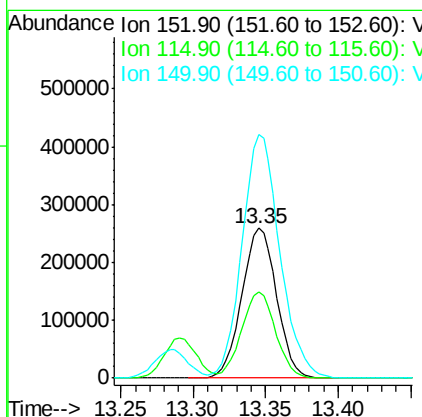
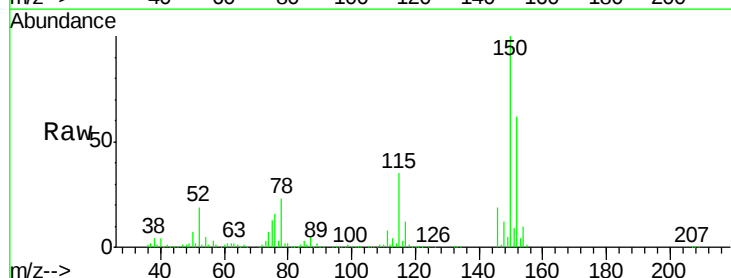
Manual Integrations
APPROVED

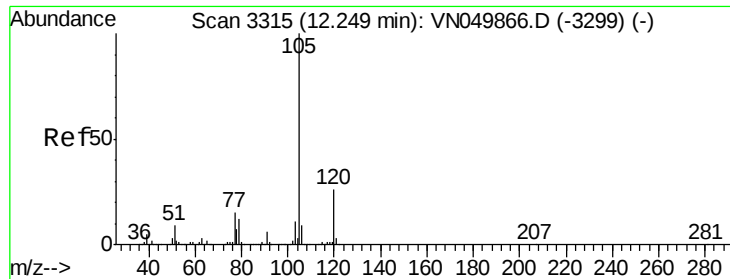
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.1	84.2
150	176.6	0.0	347.6





#73

Isopropylbenzene

Concen: 51.65 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1692628

Ion Ratio Lower Upper

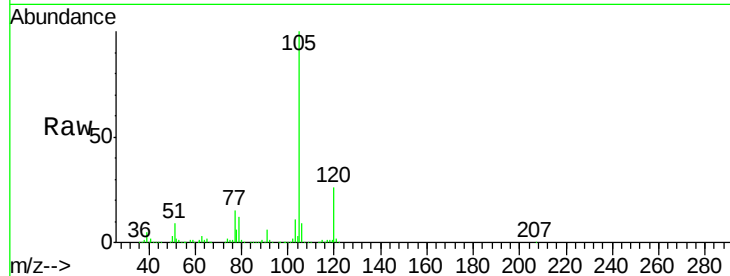
105 100

120 26.7 13.3 39.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

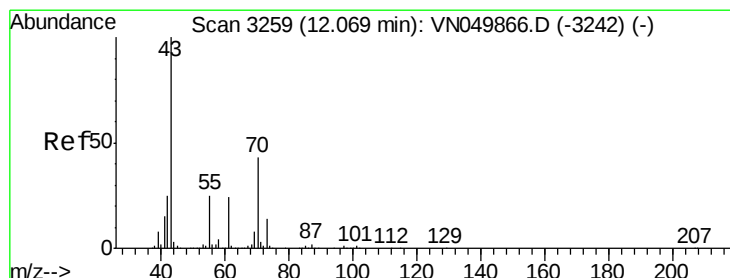
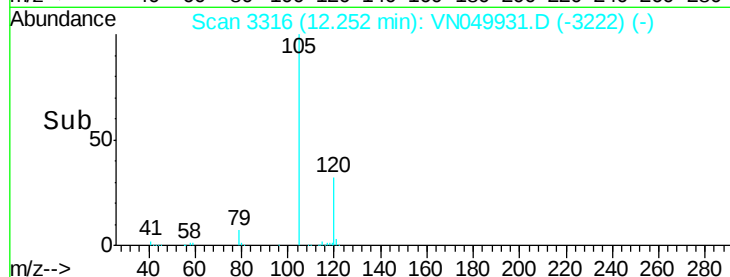
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 53.58 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Tgt Ion: 43 Resp: 534531

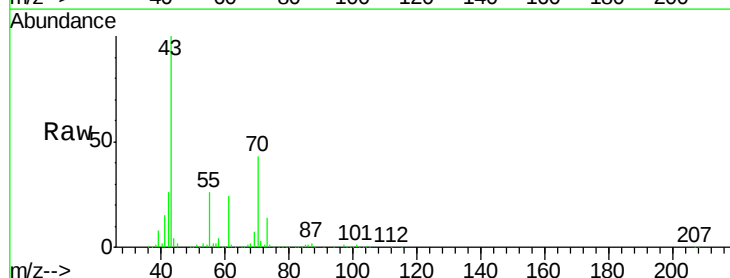
Ion Ratio Lower Upper

43 100

70 42.3 34.8 52.2

55 26.0 20.9 31.3

61 23.9 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

500000

400000

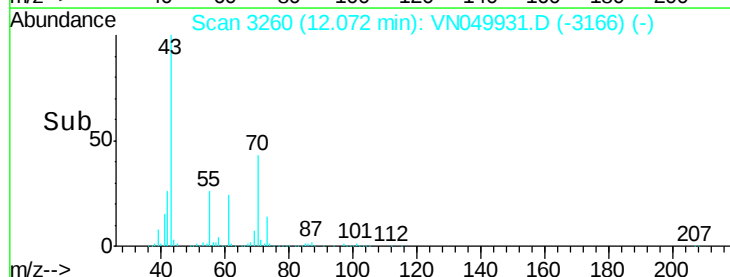
300000

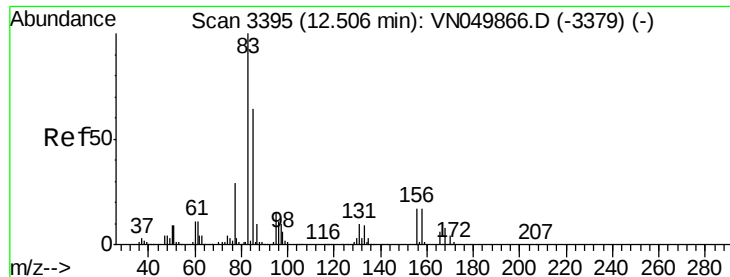
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.21 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

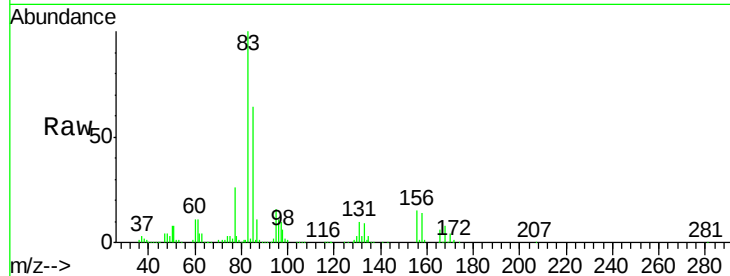
ClientSampleId :

VSTDCCC050

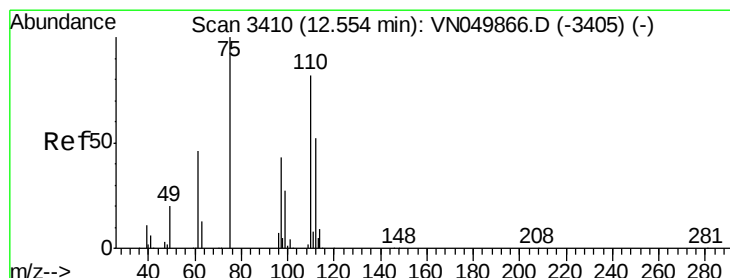
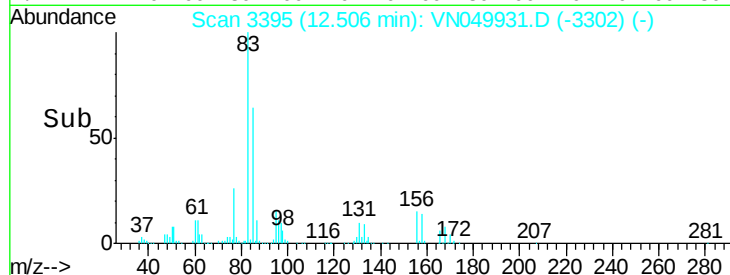
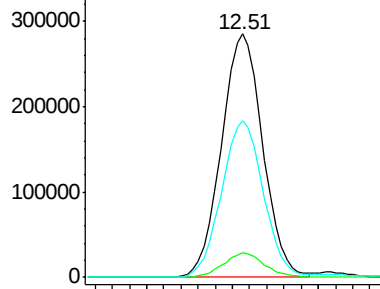
Tot Ion:	83	Resp:	473340
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.2	15.6
85	65.0	32.5	97.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN049931.D (-3302) (-)



#76

1,2,3-Trichloropropane

Concen: 49.18 ug/l m

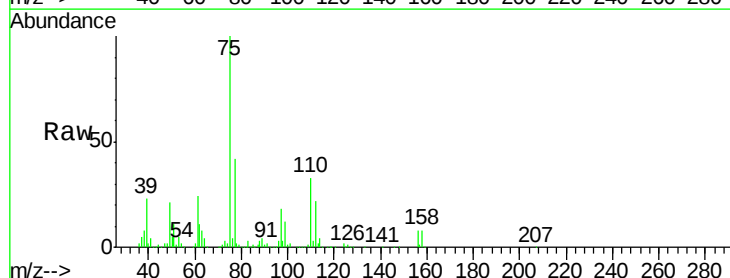
RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

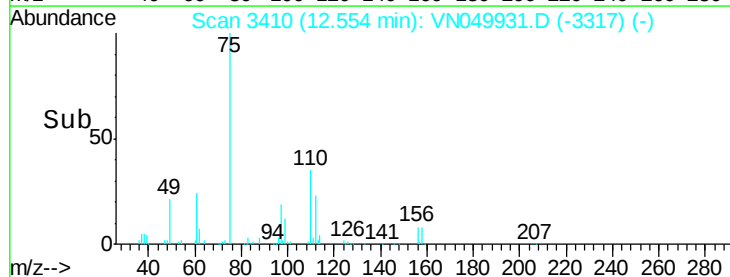
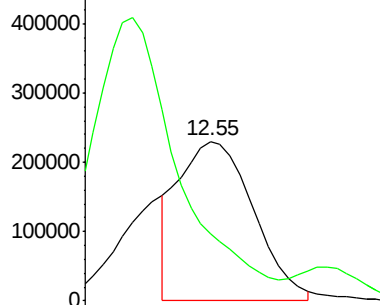
Lab File: VN049931.D

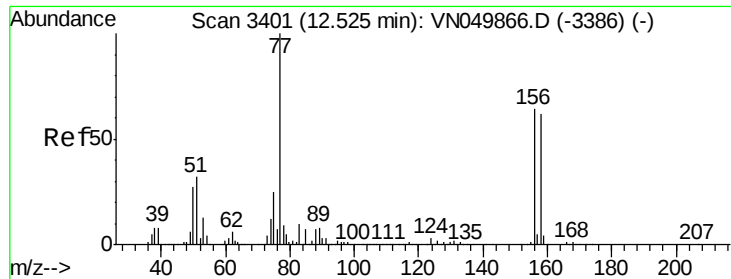
Acq: 19 Jul 2018 22:03

Tgt Ion:	75	Resp:	398068
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049931.D (-3317) (-)





#77

Bromobenzene

Concen: 48.95 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

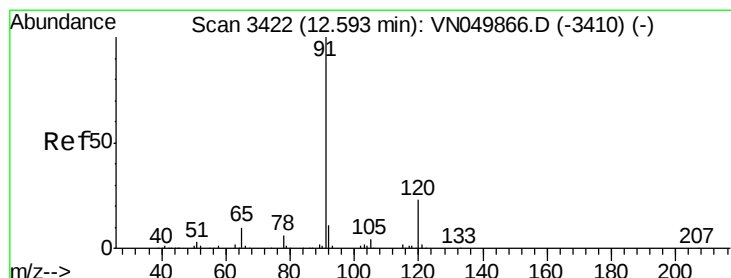
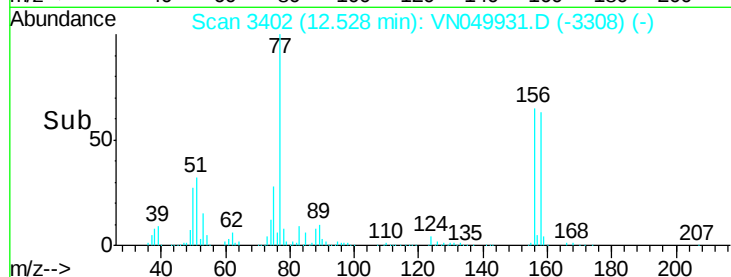
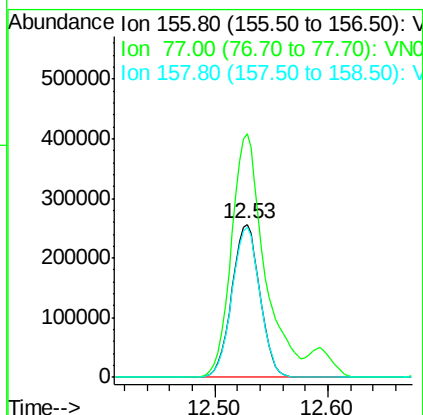
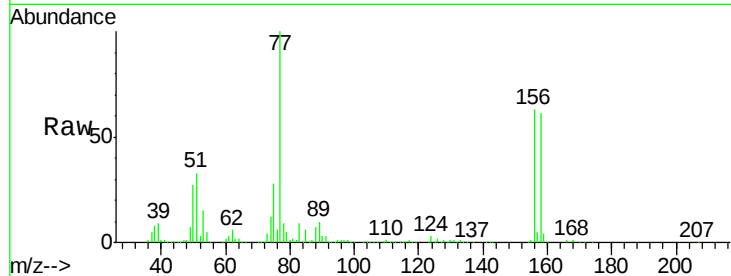
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	443025
Ion Ratio	Lower	Upper	
156	100		
77	186.4	90.2	270.6
158	97.8	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 52.34 ug/l

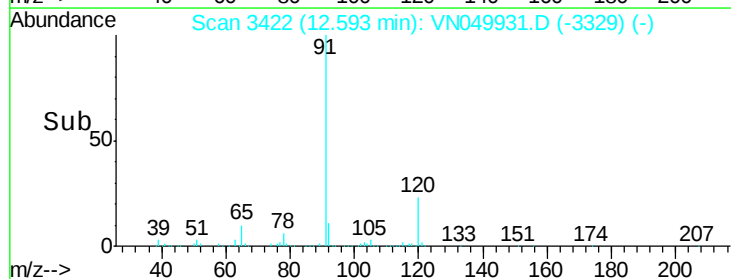
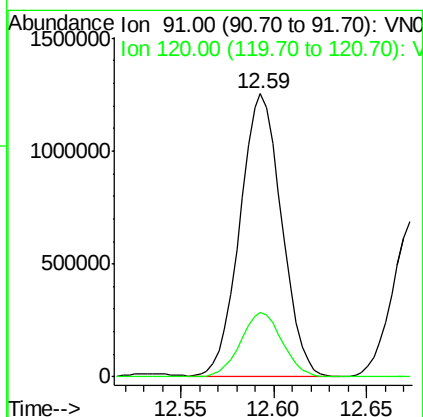
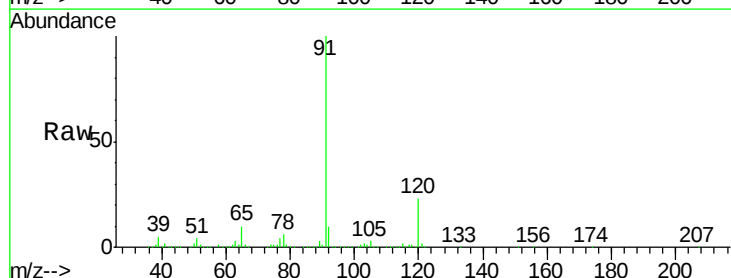
RT: 12.59 min Scan# 3422

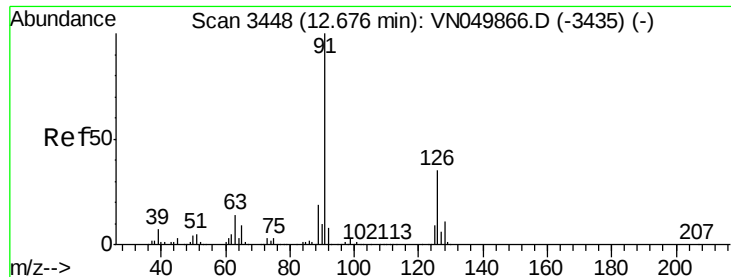
Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Tgt Ion:	91	Resp:	1950125
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.5	34.4





#79

2-Chlorotoluene

Concen: 51.31 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1173926

Ion Ratio Lower Upper

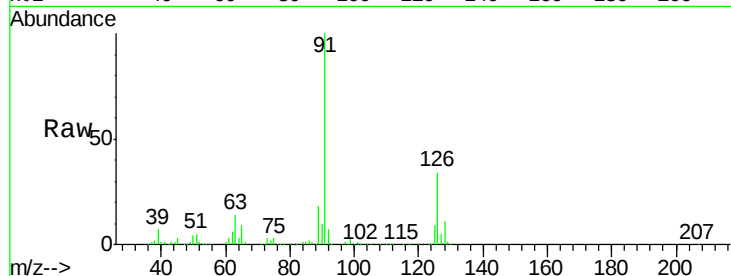
91 100

126 34.6 17.5 52.5

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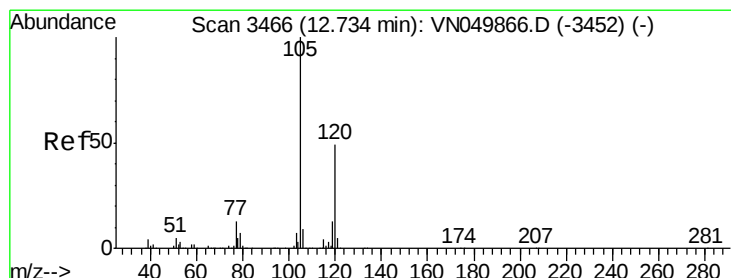
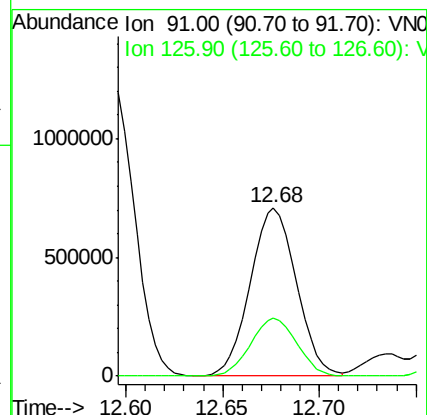
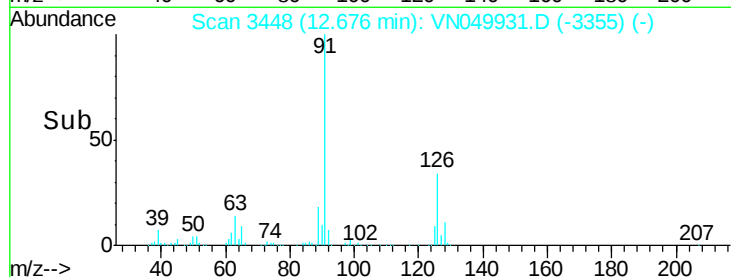
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Abundance Ion 91.00 (90.70 to 91.70): VN049931.D (-3355) (-)

Ion 125.90 (125.60 to 126.60): VN049931.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.91 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049931.D

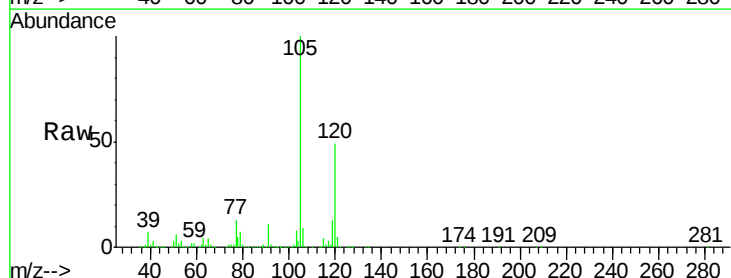
Acq: 19 Jul 2018 22:03

Tgt Ion:105 Resp: 1389760

Ion Ratio Lower Upper

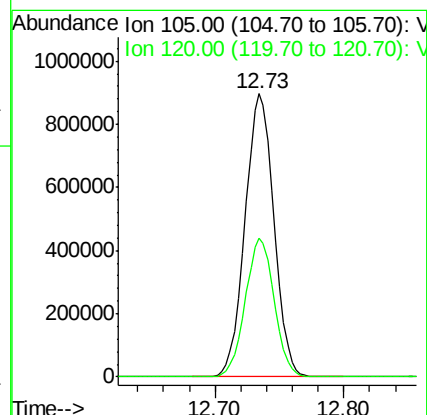
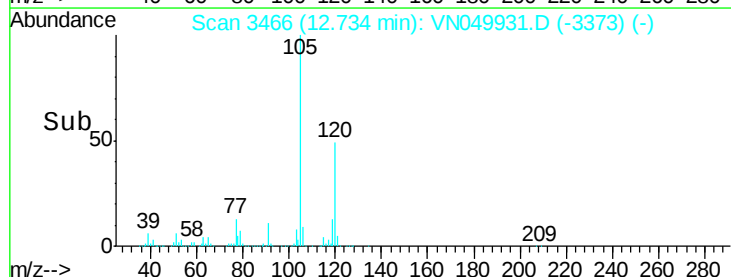
105 100

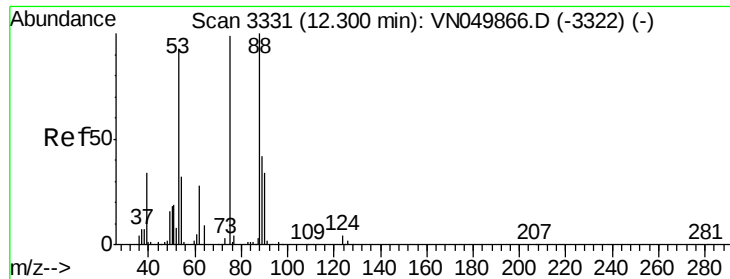
120 48.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049931.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049931.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.99 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

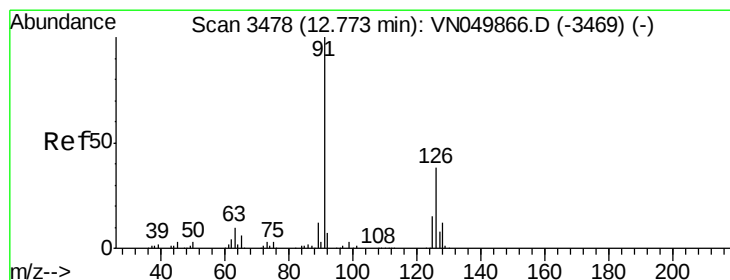
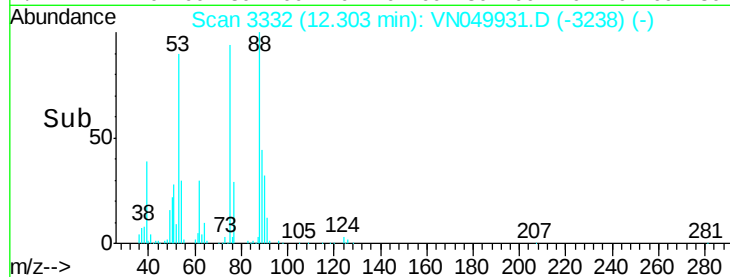
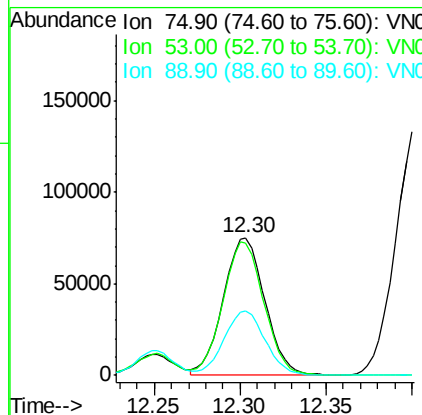
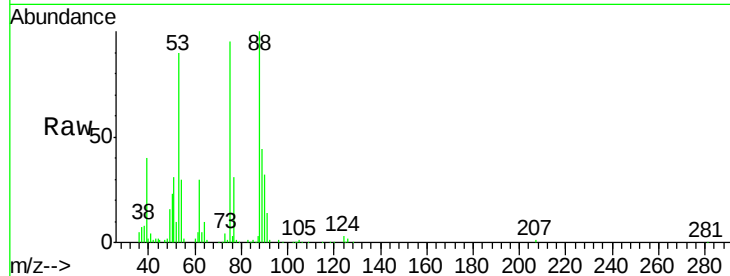
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	126811
Ion	Ratio	Lower	Upper
75	100		
53	95.5	73.9	110.9
89	46.2	35.9	53.9

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#82

4-Chlorotoluene

Concen: 51.21 ug/l

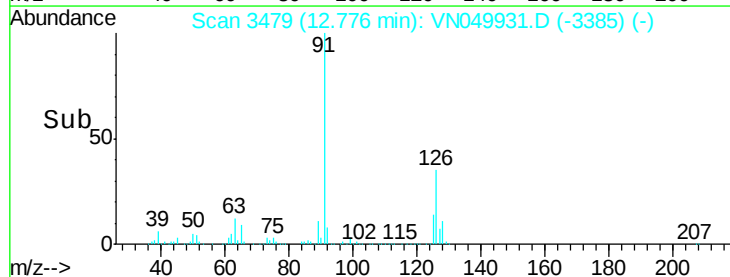
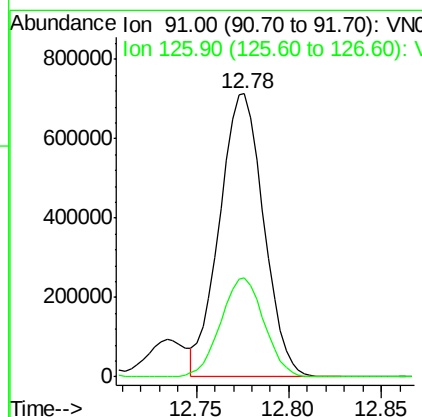
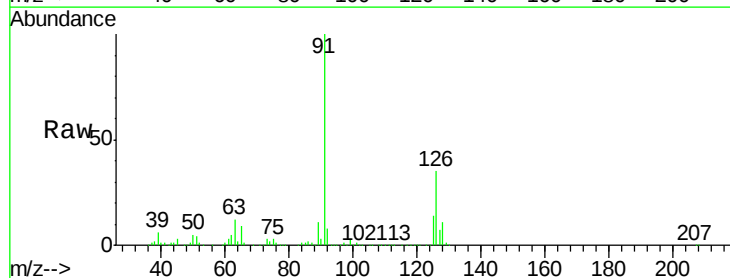
RT: 12.78 min Scan# 3479

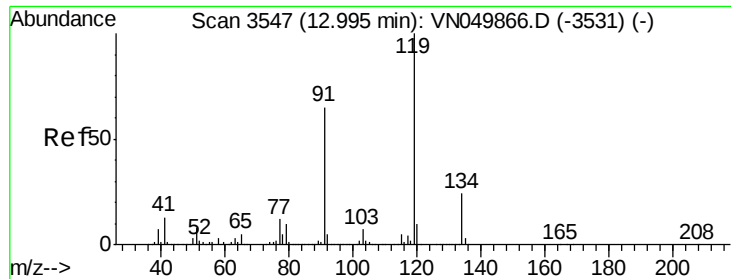
Delta R.T. 0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Tgt Ion:	91	Resp:	1175260
Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.2	51.6





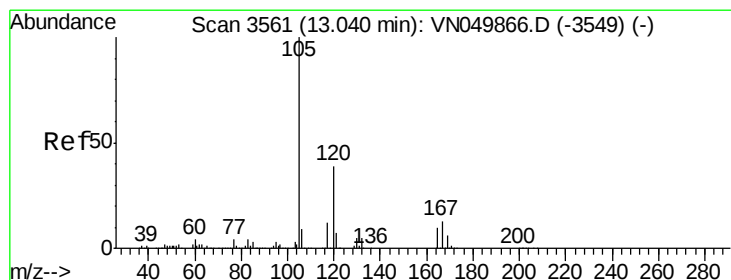
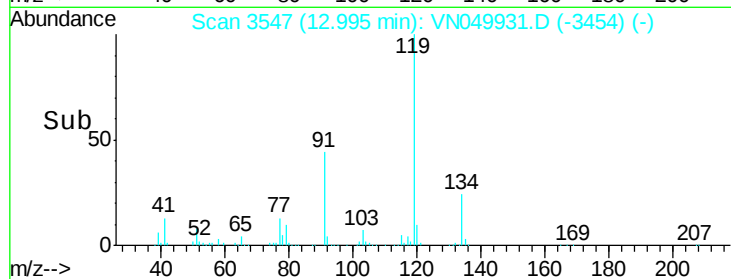
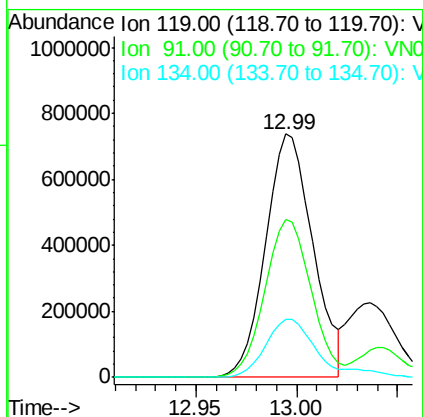
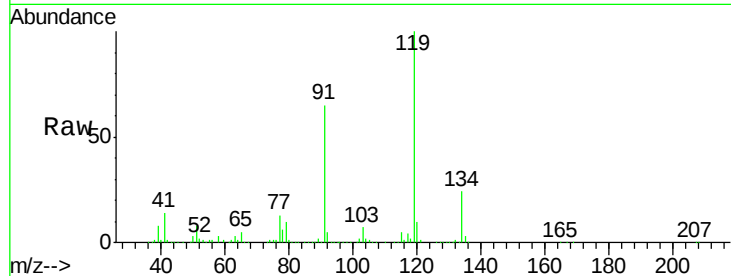
#83
tert-Butylbenzene
Concen: 52.12 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	32.0	96.2
134	26.4	12.8	38.4

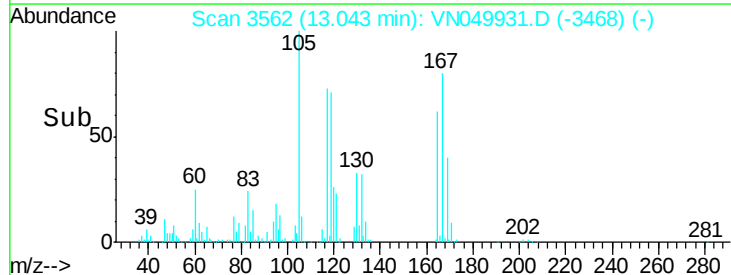
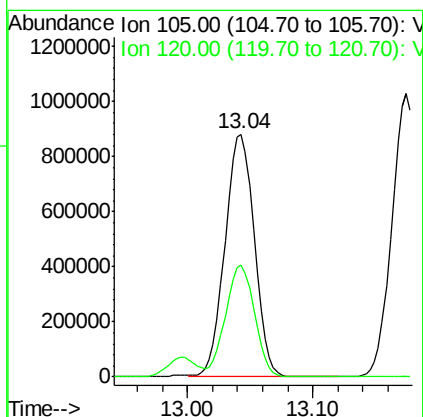
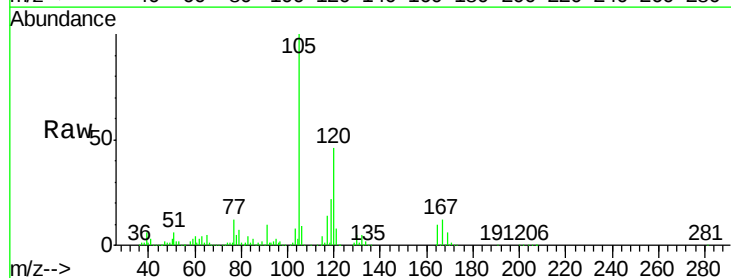
Manual Integrations
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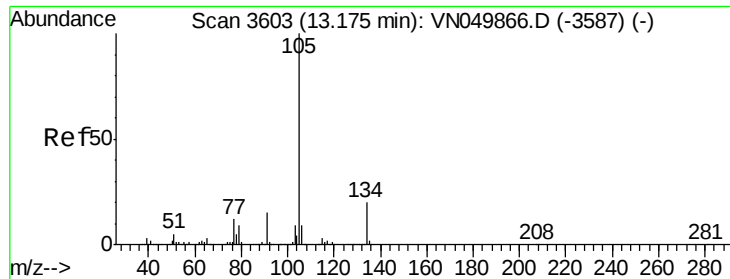
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#84
1,2,4-Trimethylbenzene
Concen: 53.71 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.7	68.1





#85

sec-Butylbenzene

Concen: 52.70 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1606541

Ion Ratio Lower Upper

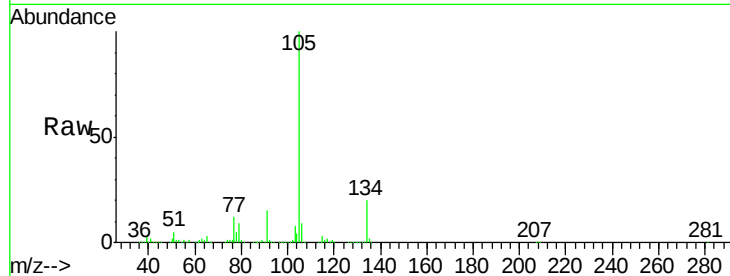
105 100

134 20.1 10.1 30.1

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1200000

1000000

800000

600000

400000

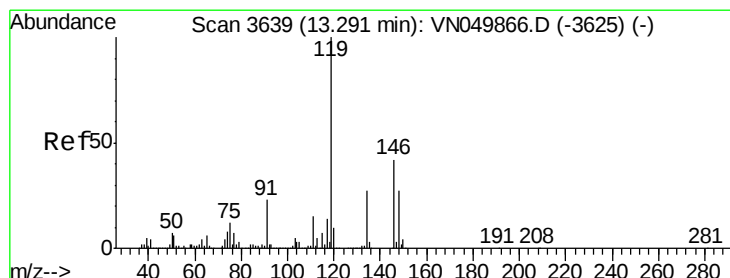
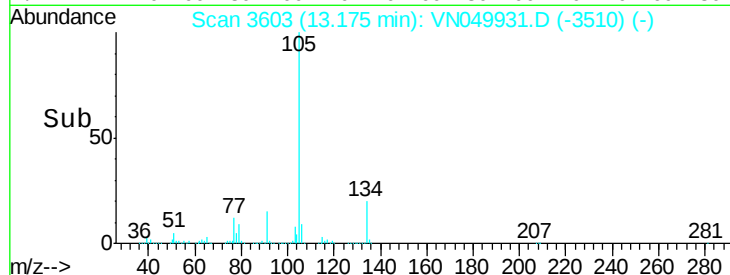
200000

0

13.10

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 53.79 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

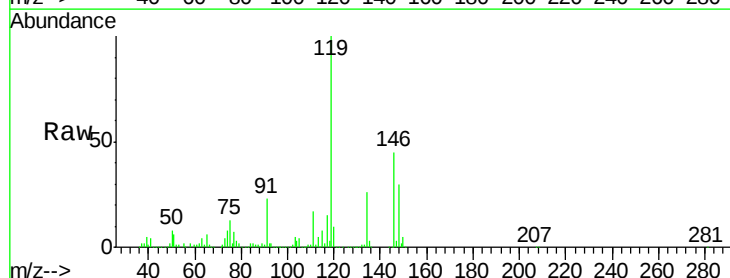
Tgt Ion:119 Resp: 1398051

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

91 22.9 11.4 34.1



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

1200000

1000000

800000

600000

400000

200000

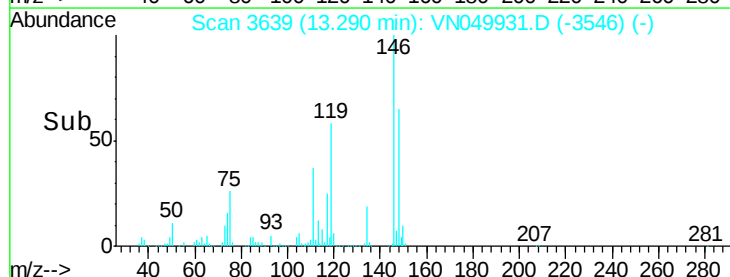
0

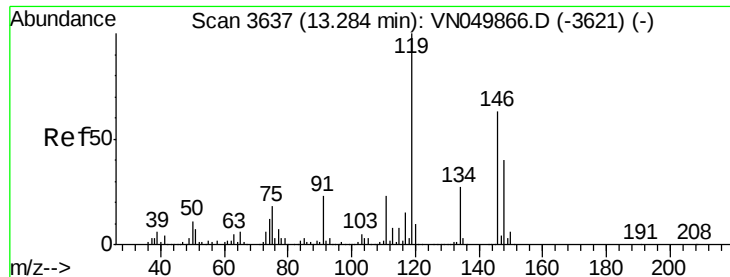
13.25

13.30

13.35

Time-->





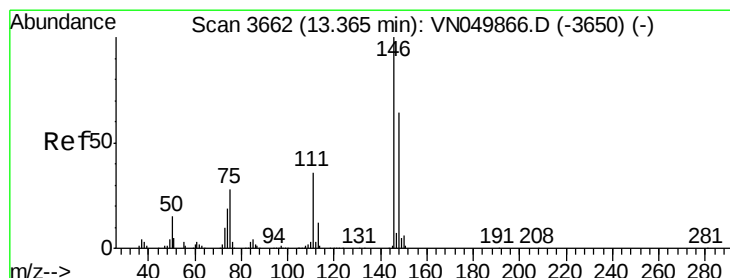
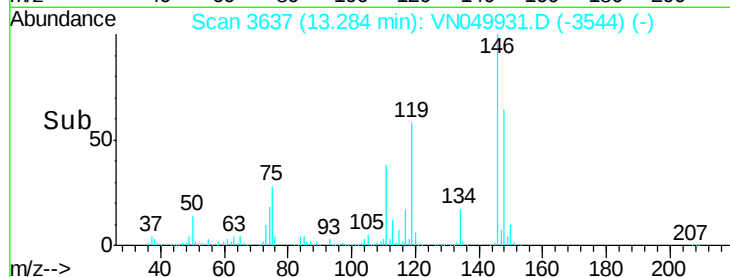
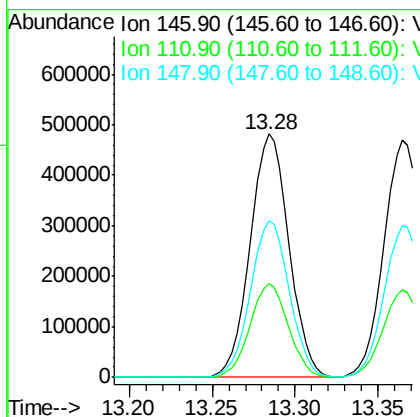
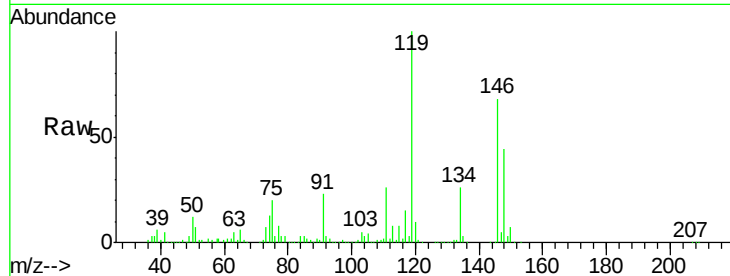
#87
 1,3-Dichlorobenzene
 Concen: 49.76 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.0	57.0
148	64.7	32.5	97.5

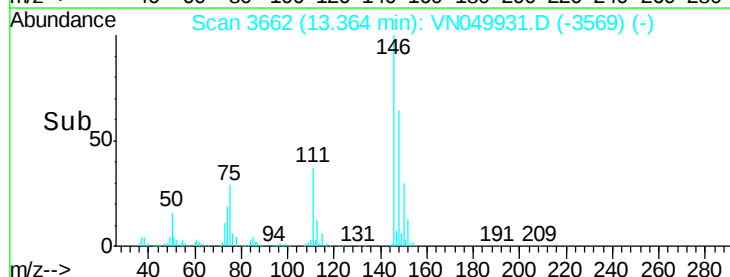
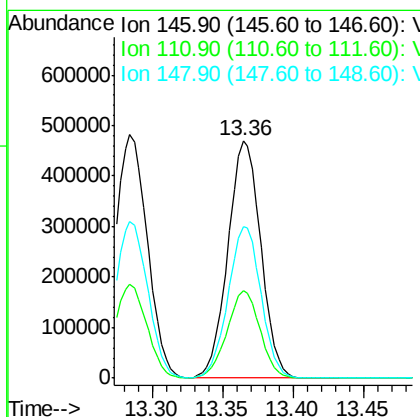
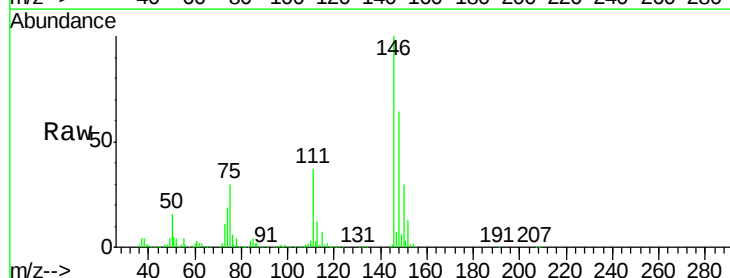
Manual Integrations
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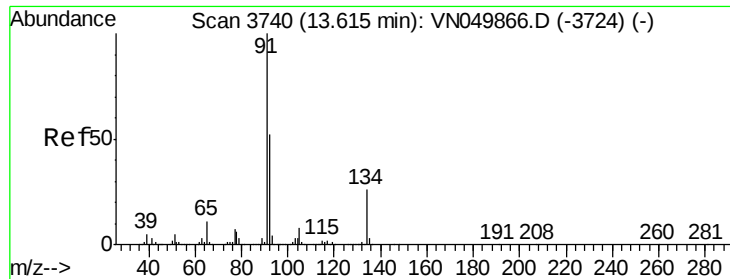
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#88
 1,4-Dichlorobenzene
 Concen: 48.48 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.5
148	63.9	32.1	96.3





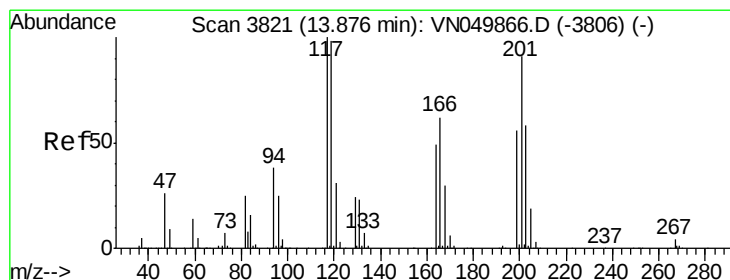
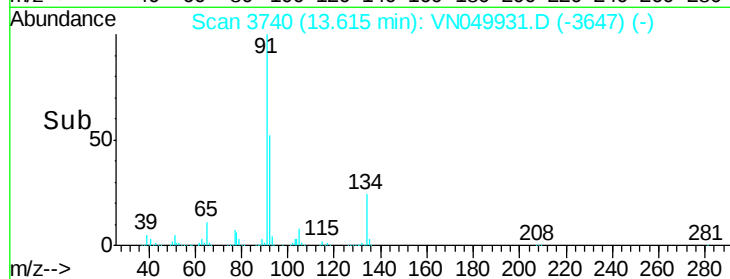
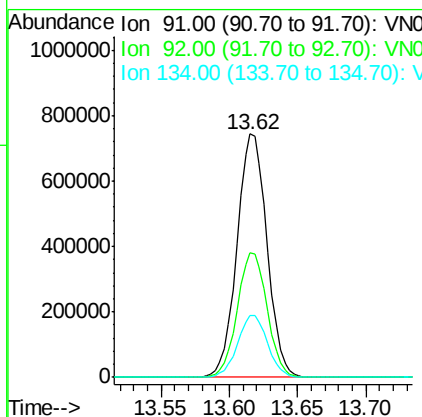
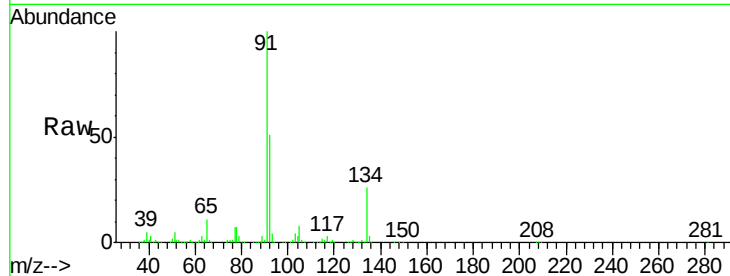
#89
n-Butylbenzene
Concen: 52.69 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.8	77.3
134	25.5	13.0	38.9

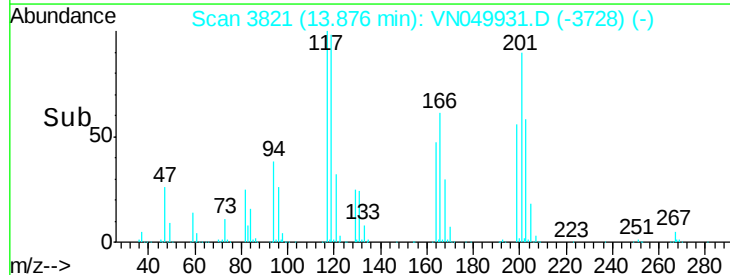
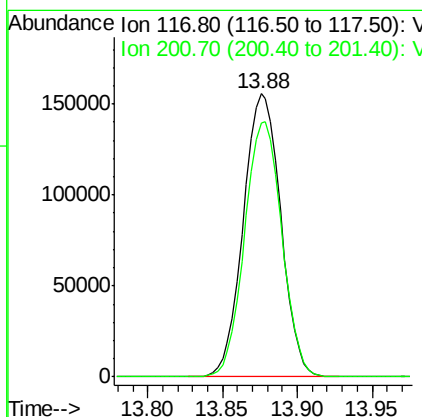
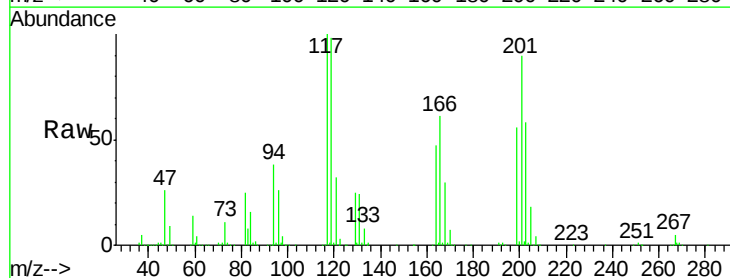
Manual Integrations
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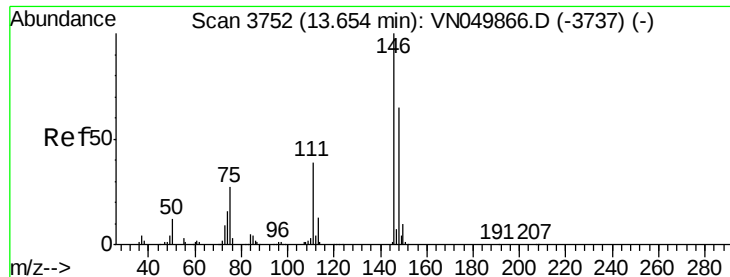
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#90
Hexachloroethane
Concen: 46.48 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.6	45.3	135.8





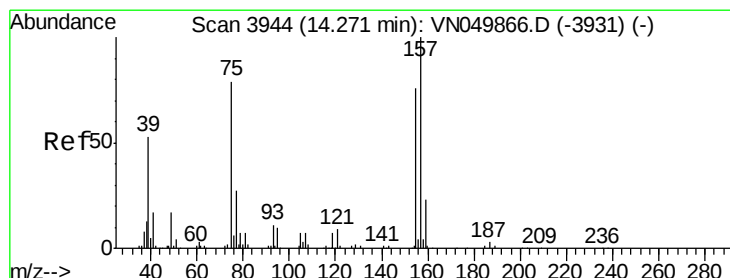
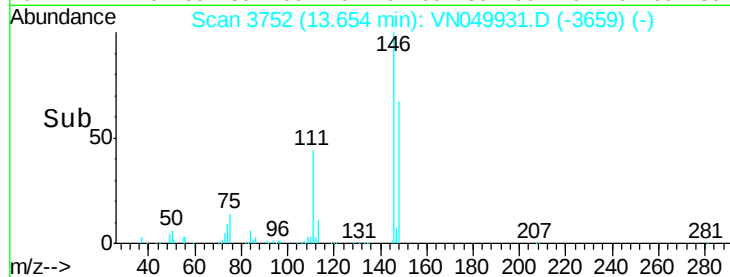
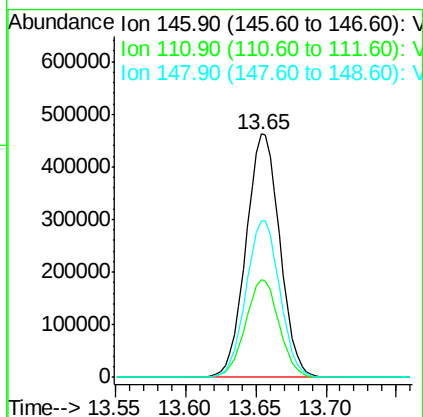
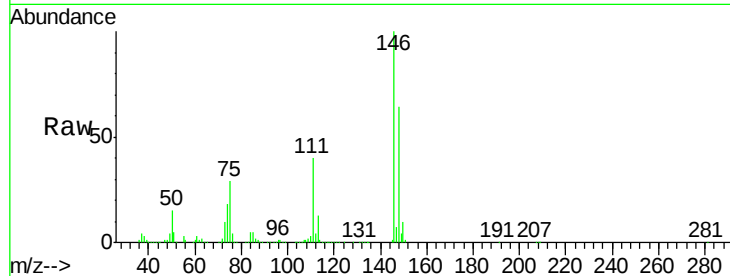
#91
 1,2-Dichlorobenzene
 Concen: 50.13 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.7	59.1
148	64.1	32.0	96.2

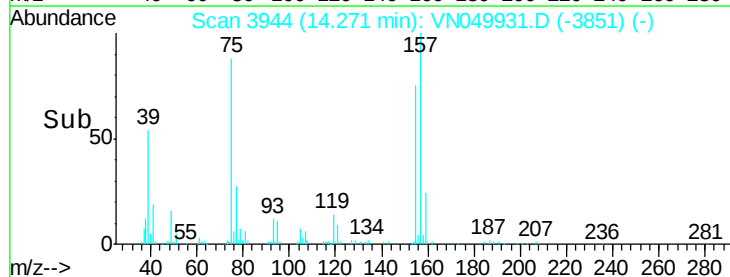
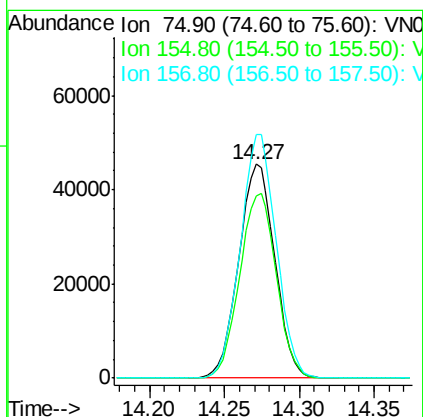
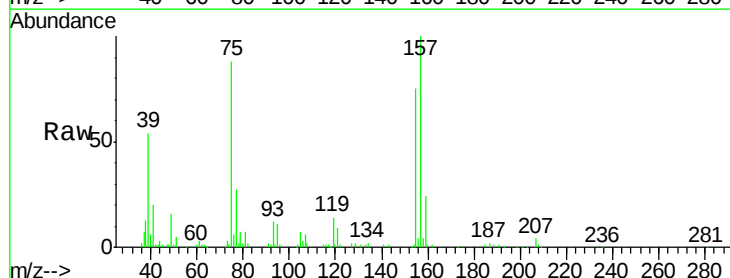
Manual Integrations
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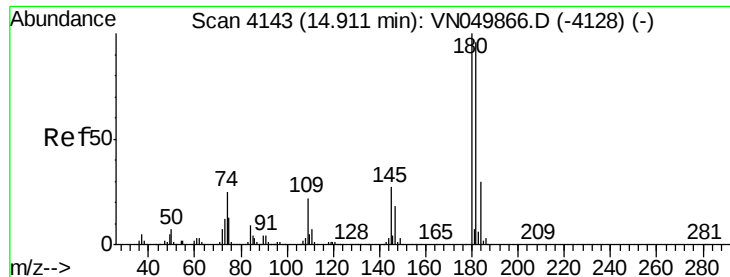
MMDadoda
 7/20/2018 11:08:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.41 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.3	45.7	137.1
157	113.1	56.9	170.7





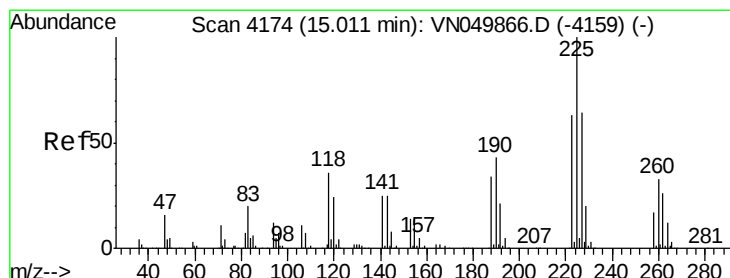
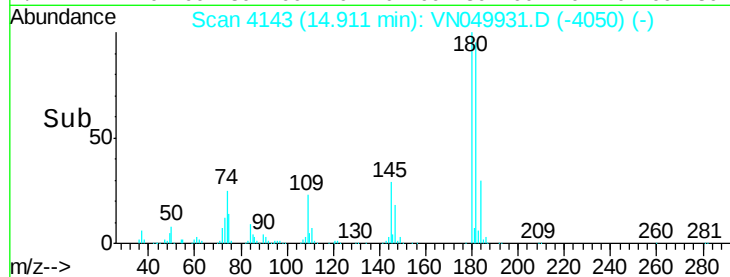
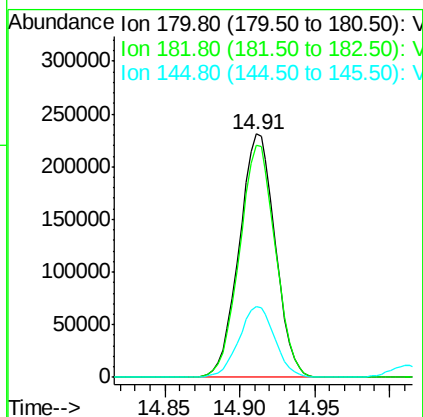
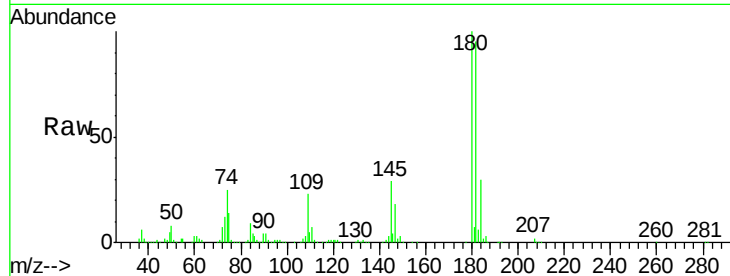
#93
1,2,4-Trichlorobenzene
Concen: 45.47 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	385822		
182	95.2	47.3	141.9	
145	28.9	14.4	43.0	

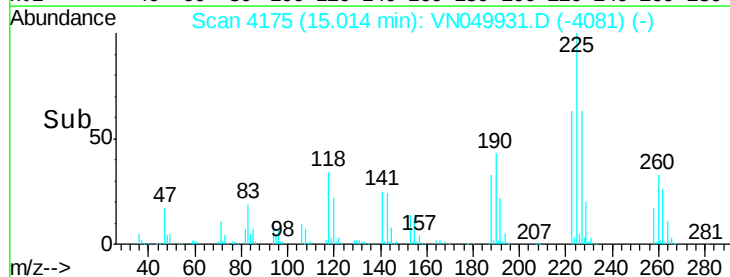
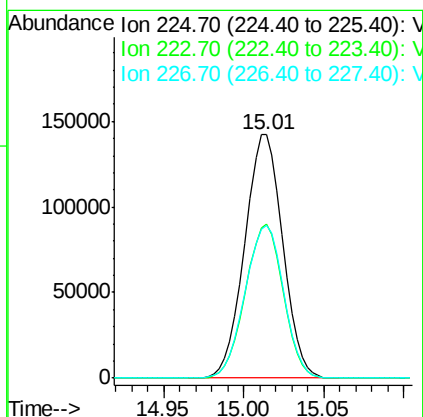
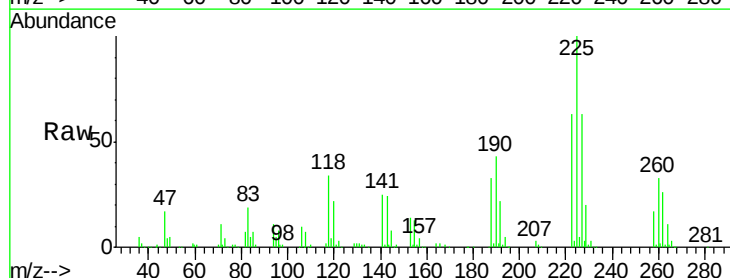
Manual Integrations
APPROVED

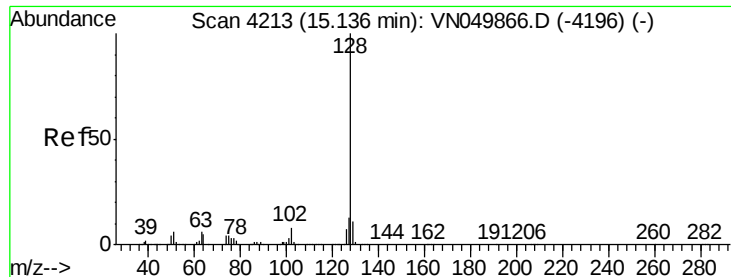
MMDadoda
7/20/2018 11:08:06 AM



#94
Hexachlorobutadiene
Concen: 45.47 ug/l
RT: 15.01 min Scan# 4175
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	230993		
223	62.9	30.9	92.7	
227	63.5	31.8	95.4	





#95

Naphthalene

Concen: 44.15 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

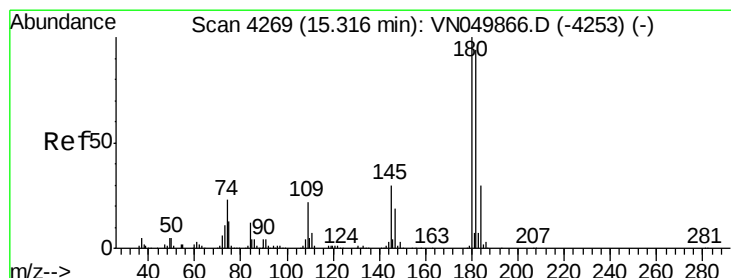
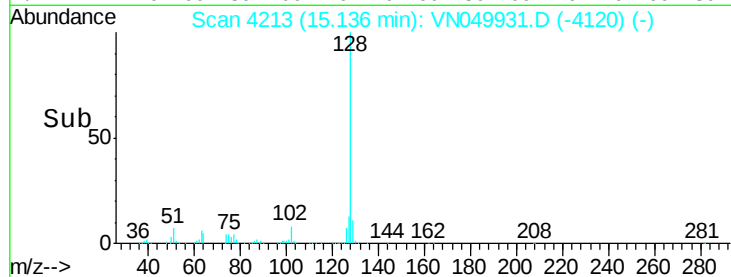
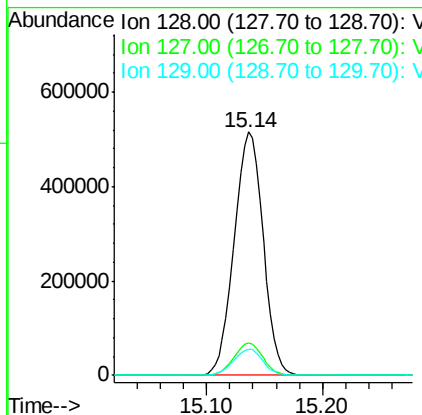
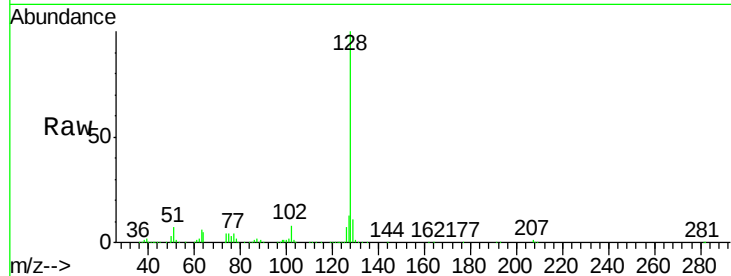
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	890404
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

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7/20/2018 11:08:06 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.93 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Tgt Ion:	180	Resp:	393661
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.4	142.2
145	30.2	15.2	45.6

