

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080818\
 Data File : VN050451.D
 Acq On : 8 Aug 2018 11:13
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 08 14:34:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	795411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1145267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1058587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	547823	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	487421	45.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.72%	
35) Dibromofluoromethane	7.59	113	446314	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
50) Toluene-d8	10.09	98	1669713	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.40	95	581754	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	388796	44.03	ug/l	99
3) Chloromethane	2.06	50	463725	44.28	ug/l	99
4) Vinyl Chloride	2.18	62	506272	44.30	ug/l	98
5) Bromomethane	2.56	94	290051	52.34	ug/l	99
6) Chloroethane	2.70	64	313022	44.45	ug/l	99
7) Trichlorofluoromethane	3.01	101	671284	45.48	ug/l	100
8) Diethyl Ether	3.41	74	253707	46.87	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	424433	46.53	ug/l	98
10) Methyl Iodide	3.95	142	207975	51.75	ug/l	97
11) Tert butyl alcohol	4.79	59	158833	186.05	ug/l	99
12) 1,1-Dichloroethene	3.73	96	390958	45.46	ug/l	98
13) Acrolein	3.61	56	167224	156.53	ug/l	100
14) Allyl chloride	4.32	41	626547	45.37	ug/l	98
15) Acrylonitrile	4.99	53	731039	204.43	ug/l	99
16) Acetone	3.82	43	635379	200.40	ug/l	100
17) Carbon Disulfide	4.05	76	1141935	40.84	ug/l	99
18) Methyl Acetate	4.33	43	346685	42.07	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1168614	47.88	ug/l	98
20) Methylene Chloride	4.55	84	450860	46.40	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	431939	46.42	ug/l	98
22) Diisopropyl ether	5.95	45	1350471	47.87	ug/l	98
23) Vinyl Acetate	5.90	43	4696064	233.31	ug/l	99
24) 1,1-Dichloroethane	5.85	63	790187	45.65	ug/l	100
25) 2-Butanone	6.84	43	1066274	202.47	ug/l	98
26) 2,2-Dichloropropane	6.82	77	659710	46.23	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	497029	48.19	ug/l	98
28) Bromochloromethane	7.19	49	369522	46.37	ug/l	95
29) Tetrahydrofuran	7.21	42	553675	196.43	ug/l	98
30) Chloroform	7.37	83	808065	46.70	ug/l	100
31) Cyclohexane	7.65	56	691857	45.35	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	689705	46.41	ug/l	99
36) 1,1-Dichloropropene	7.79	75	615017	48.87	ug/l	99
37) Ethyl Acetate	6.93	43	387097	42.72	ug/l	99
38) Carbon Tetrachloride	7.77	117	606368	46.19	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	662967	48.27	ug/l	97
40) Benzene	8.04	78	1857374	48.01	ug/l	100
41) Methacrylonitrile	7.17	41	205783	42.71	ug/l #	85
42) 1,2-Dichloroethane	8.12	62	587320	47.82	ug/l	100
43) Isopropyl Acetate	8.17	43	689640	44.08	ug/l	96
44) Trichloroethene	8.83	130	503984	48.48	ug/l	100
45) 1,2-Dichloropropane	9.12	63	486038	47.79	ug/l	98
46) Dibromomethane	9.21	93	296116	47.15	ug/l	97
47) Bromodichloromethane	9.40	83	629846	48.42	ug/l	99
48) Methyl methacrylate	9.20	41	354099	45.16	ug/l	97
49) 1,4-Dioxane	9.20	88	95792	792.61	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2401383	213.15	ug/l	99
52) Toluene	10.16	92	1165775	50.17	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	659634	50.50	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	751050	51.52	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	427590	47.13	ug/l	100
56) Ethyl methacrylate	10.43	69	570550	44.63	ug/l	96
57) 1,3-Dichloropropane	10.71	76	713366	47.91	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1311250	220.03	ug/l	98
59) 2-Hexanone	10.75	43	1692929	215.32	ug/l	97
60) Dibromochloromethane	10.90	129	487001	48.73	ug/l	99
61) 1,2-Dibromoethane	11.01	107	427717	47.83	ug/l	97
64) Tetrachloroethene	10.63	164	498406	50.39	ug/l	99
65) Chlorobenzene	11.43	112	1293264	48.73	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	477370	49.42	ug/l	100
67) Ethyl Benzene	11.51	91	2204492	51.39	ug/l	100
68) m/p-Xylenes	11.62	106	1694038	103.73	ug/l	100
69) o-Xylene	11.95	106	820471	52.15	ug/l	99
70) Styrene	11.96	104	1359802	53.15	ug/l	99
71) Bromoform	12.13	173	336810	47.71	ug/l #	99
73) Isopropylbenzene	12.25	105	2148568	52.25	ug/l	100
74) N-amyl acetate	12.07	43	621797	46.65	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	519598	43.79	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	639773	64.52	ug/l #	100
77) Bromobenzene	12.53	156	563249	51.13	ug/l	97
78) n-propylbenzene	12.59	91	2420255	51.99	ug/l	99
79) 2-Chlorotoluene	12.68	91	1456053	50.65	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1755818	52.60	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	138204	48.97	ug/l	97
82) 4-Chlorotoluene	12.77	91	1487855	51.90	ug/l	98
83) tert-Butylbenzene	12.99	119	1480618	50.84	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1793157	53.03	ug/l	100
85) sec-Butylbenzene	13.17	105	1963008	50.57	ug/l	100
86) p-Isopropyltoluene	13.29	119	1741219	52.35	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	978801	49.88	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	962107	49.10	ug/l	99
89) n-Butylbenzene	13.62	91	1434066	50.64	ug/l	99
90) Hexachloroethane	13.88	117	268386	45.37	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	954033	48.50	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	80858	40.14	ug/l	95

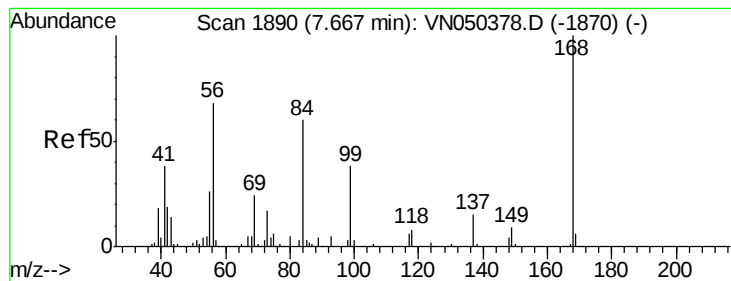
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	533451	53.25	ug/l	97
94) Hexachlorobutadiene	15.01	225	284710	52.09	ug/l	100
95) Naphthalene	15.13	128	1235776	46.83	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	505472	49.90	ug/l	99

(#) = 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: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

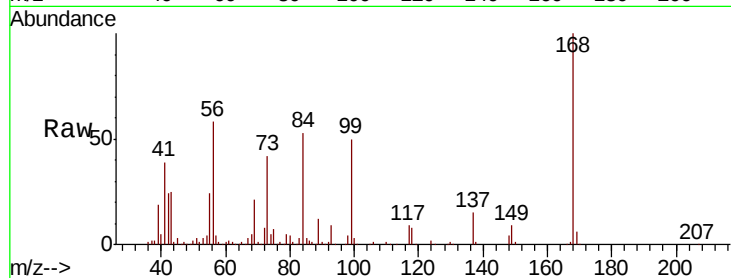
VSTDCCC050

Tot Ion:168 Resp: 795411

Ion Ratio Lower Upper

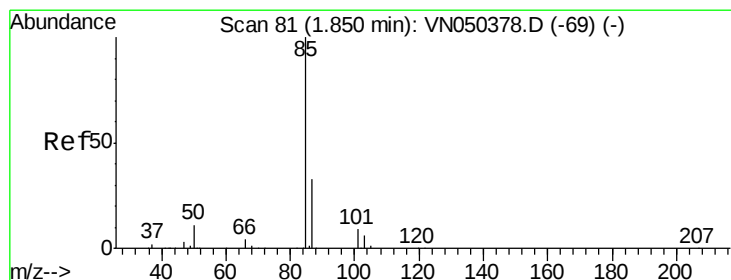
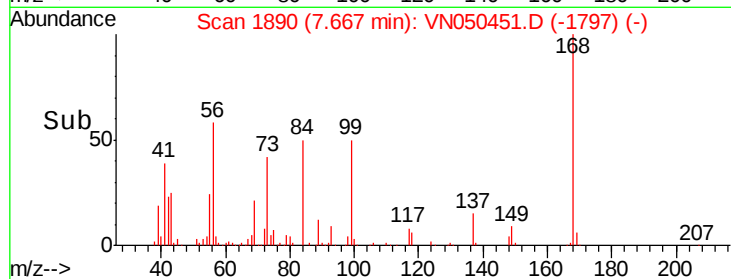
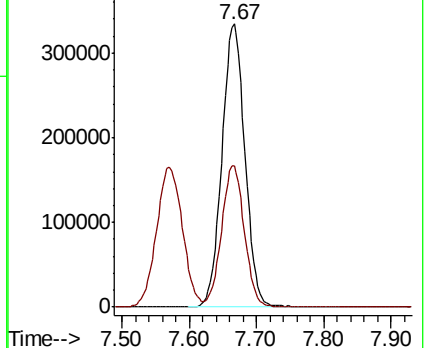
168 100

99 49.7 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.03 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050451.D

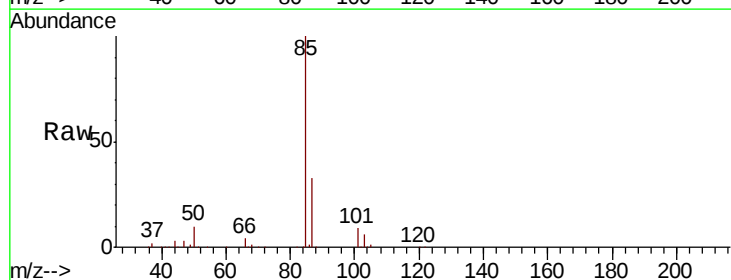
Acq: 8 Aug 2018 11:13

Tgt Ion: 85 Resp: 388796

Ion Ratio Lower Upper

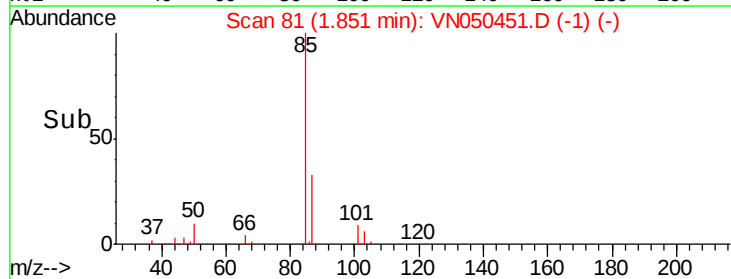
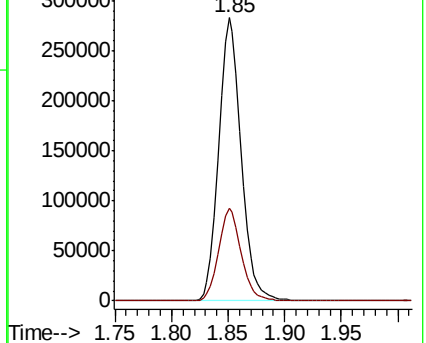
85 100

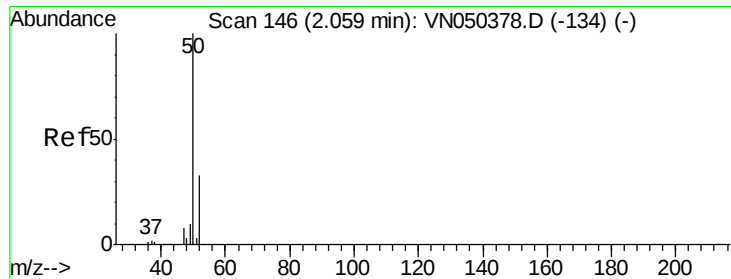
87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.28 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

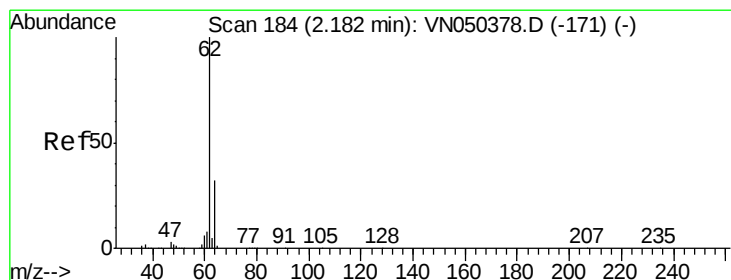
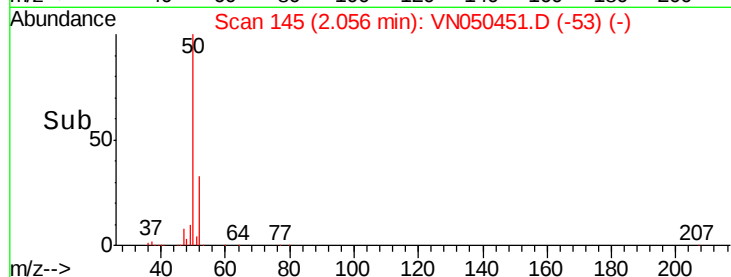
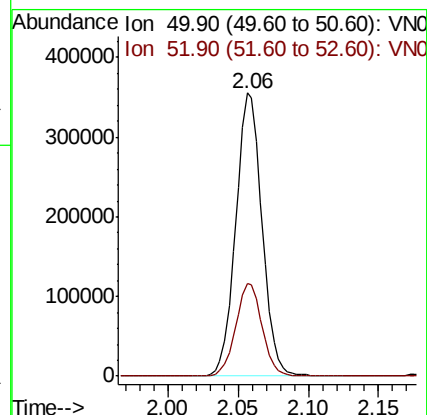
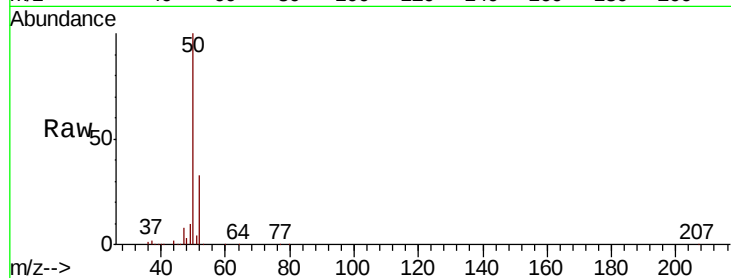
VSTDCCC050

Tot Ion: 50 Resp: 463725

Ion Ratio Lower Upper

50 100

52 32.7 25.9 38.9



#4

Vinyl Chloride

Concen: 44.30 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050451.D

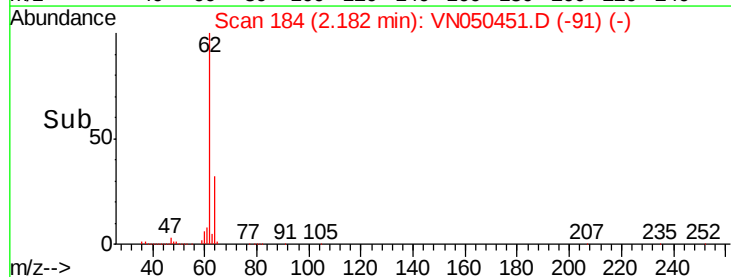
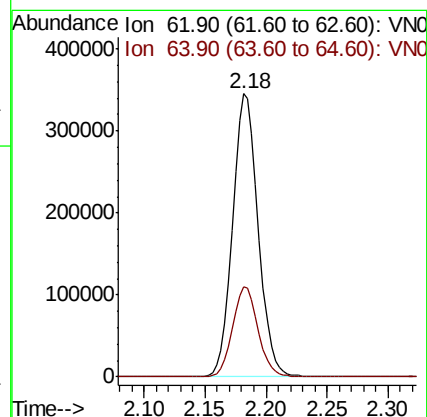
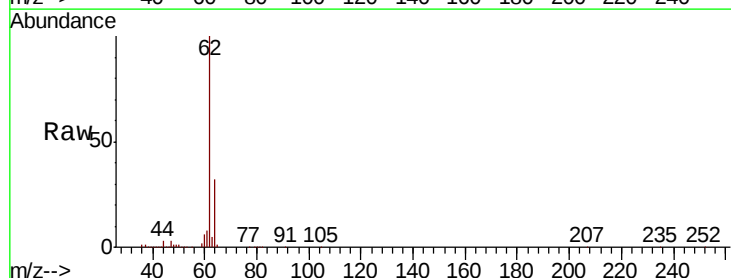
Acq: 8 Aug 2018 11:13

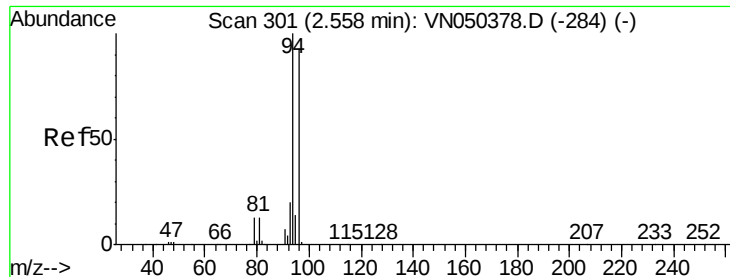
Tgt Ion: 62 Resp: 506272

Ion Ratio Lower Upper

62 100

64 31.8 24.7 37.1





#5

Bromomethane

Concen: 52.34 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

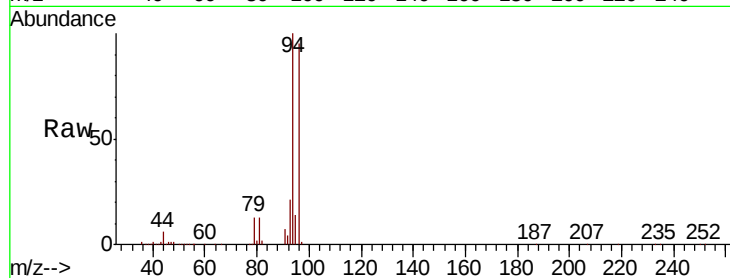
VSTDCCC050

Tot Ion: 94 Resp: 290051

Ion Ratio Lower Upper

94 100

96 94.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

150000

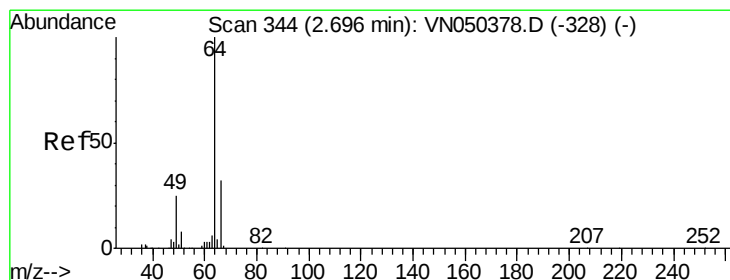
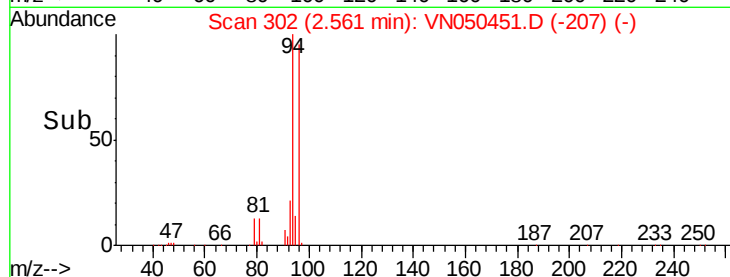
2.56

100000

50000

0

Time-->



#6

Chloroethane

Concen: 44.45 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050451.D

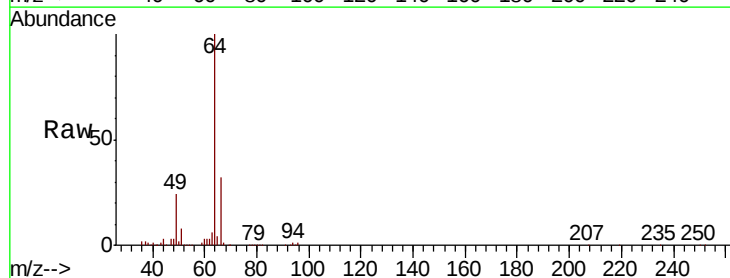
Acq: 8 Aug 2018 11:13

Tgt Ion: 64 Resp: 313022

Ion Ratio Lower Upper

64 100

66 32.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

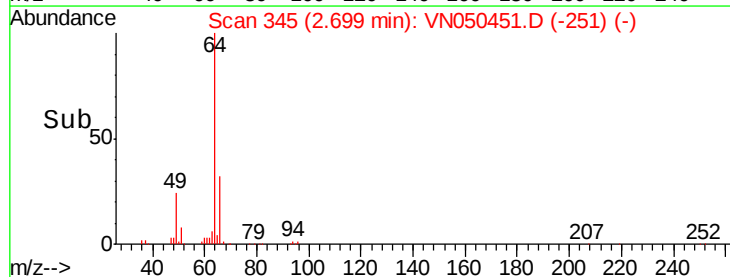
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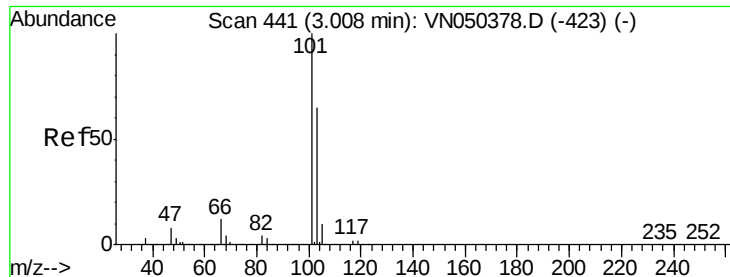
100000

50000

0

Time-->





#7

Trichlorofluoromethane

Concen: 45.48 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

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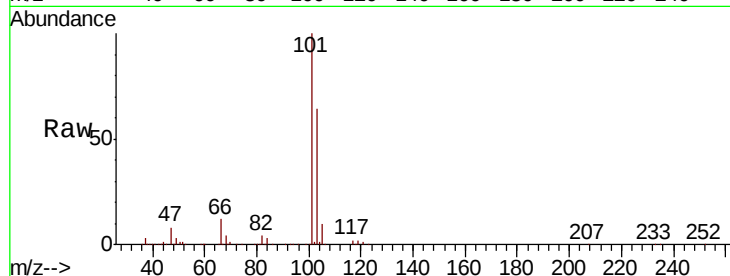
VSTDCCC050

Tot Ion:101 Resp: 671284

Ion Ratio Lower Upper

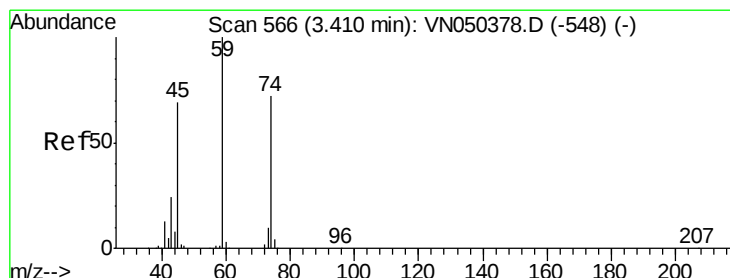
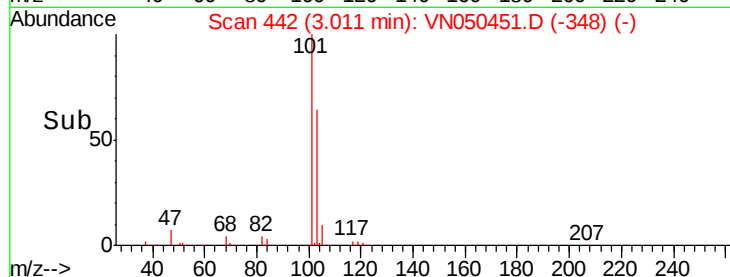
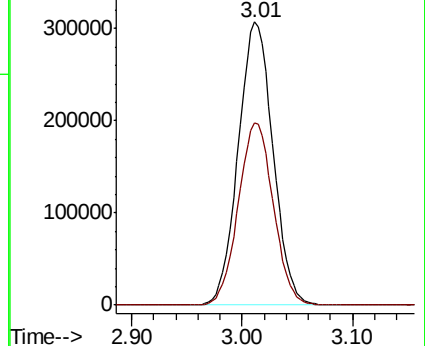
101 100

103 64.3 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 46.87 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN050451.D

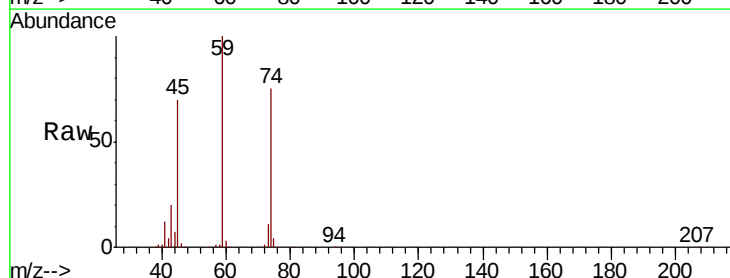
Acq: 8 Aug 2018 11:13

Tgt Ion: 74 Resp: 253707

Ion Ratio Lower Upper

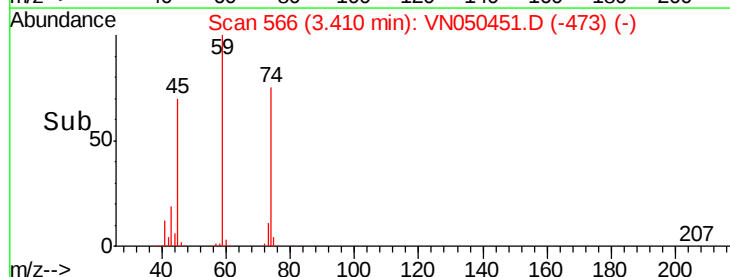
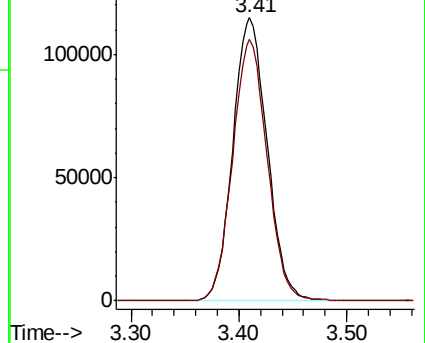
74 100

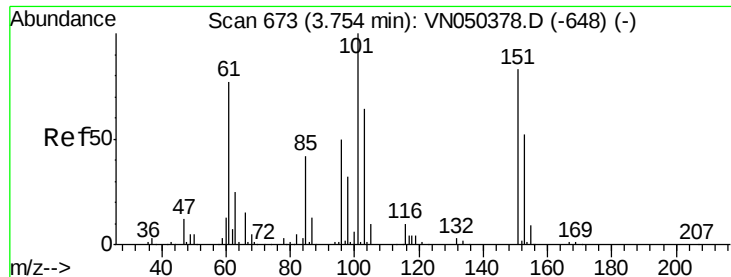
45 92.5 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.53 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

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VSTDCCC050

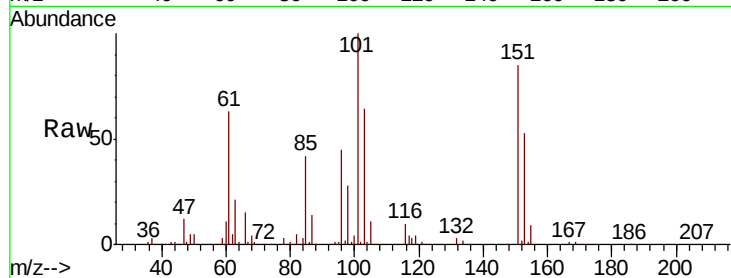
Tot Ion:101 Resp: 424433

Ion Ratio Lower Upper

101 100

85 41.7 34.2 51.2

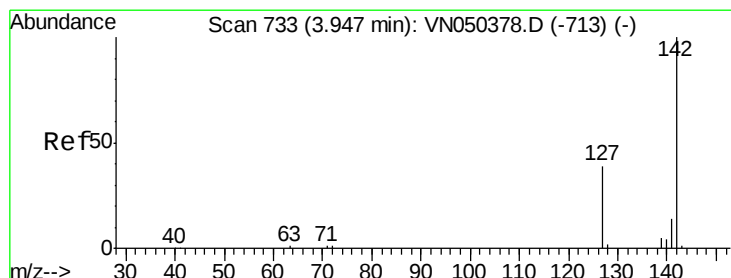
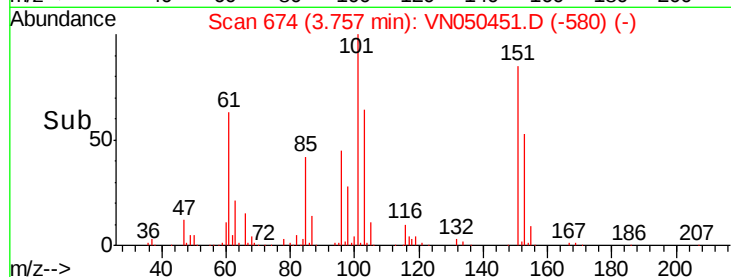
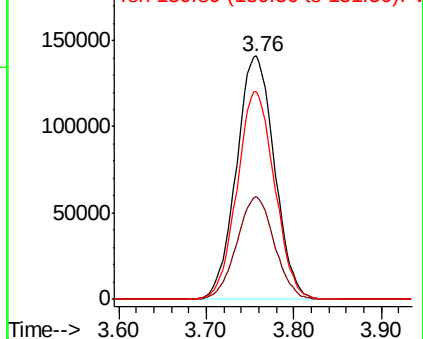
151 84.4 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.75 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

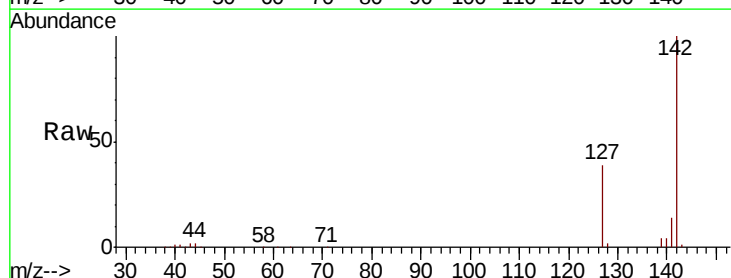
Tgt Ion:142 Resp: 207975

Ion Ratio Lower Upper

142 100

127 39.7 33.4 50.2

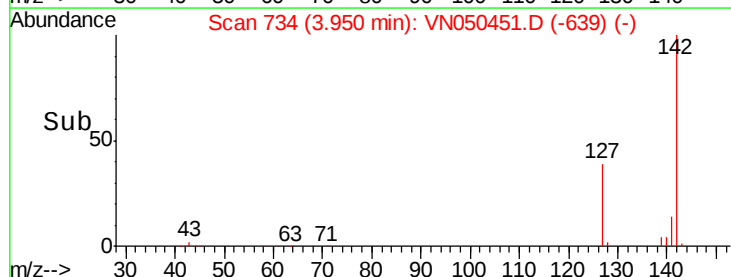
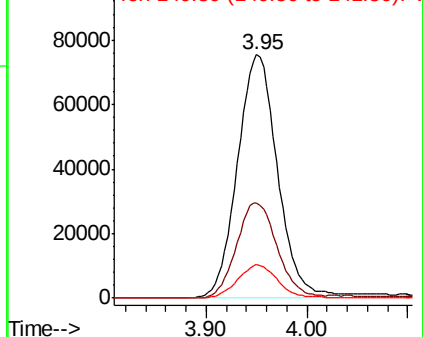
141 13.7 11.6 17.4

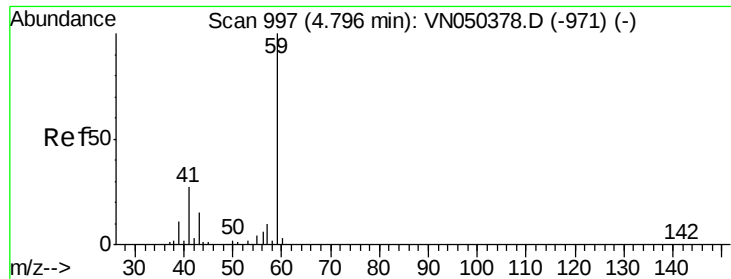


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

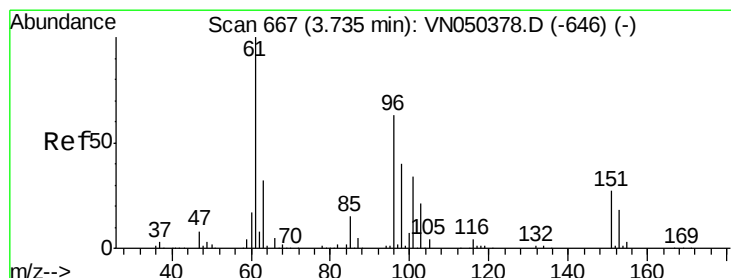
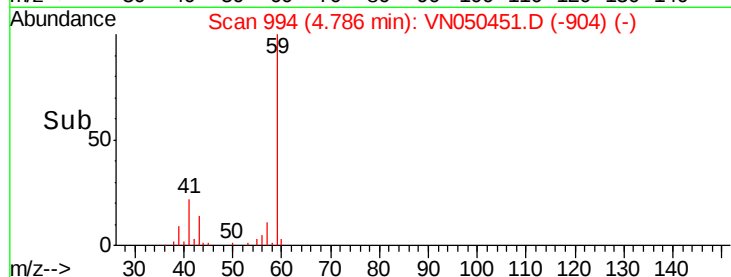
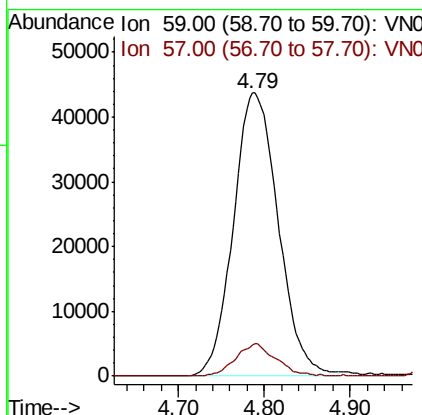
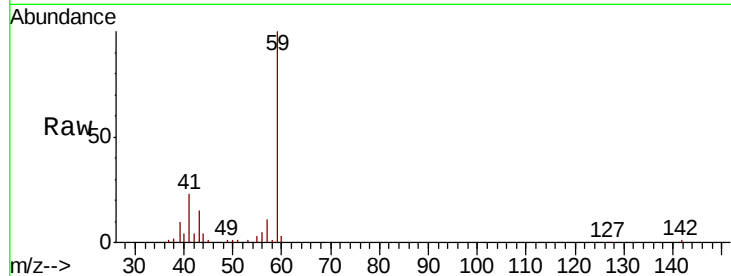




#11
Tert butyl alcohol
Concen: 186.05 ug/l
RT: 4.79 min Scan# 994
Delta R.T. -0.01 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

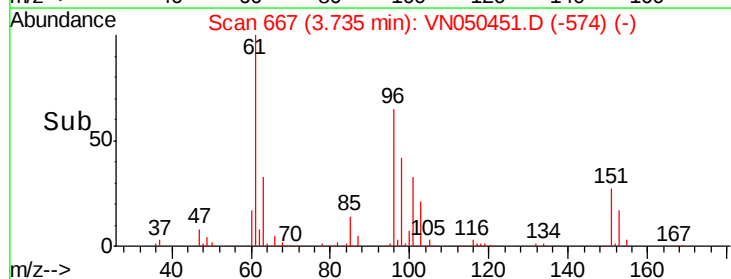
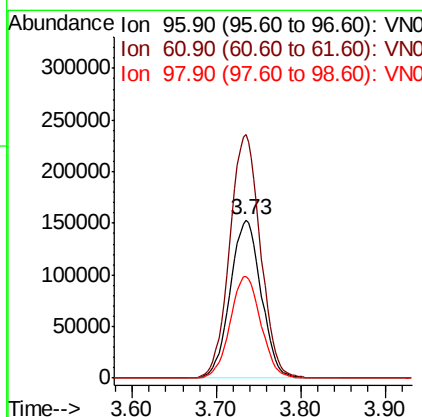
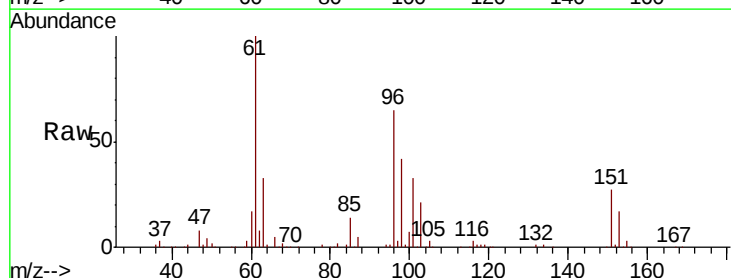
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

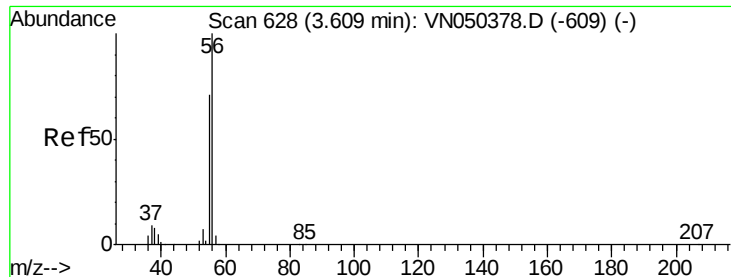
Tot Ion: 59 Resp: 158833
Ion Ratio Lower Upper
59 100
57 10.3 8.5 12.7



#12
1,1-Dichloroethene
Concen: 45.46 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

Tgt Ion: 96 Resp: 390958
Ion Ratio Lower Upper
96 100
61 153.8 124.4 186.6
98 64.3 48.3 72.5





#13

Acrolein

Concen: 156.53 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

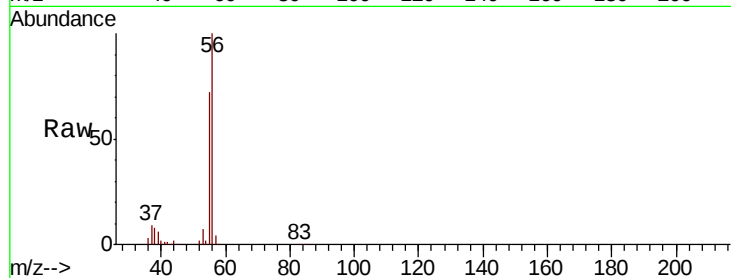
VSTDCCC050

Tot Ion: 56 Resp: 167224

Ion Ratio Lower Upper

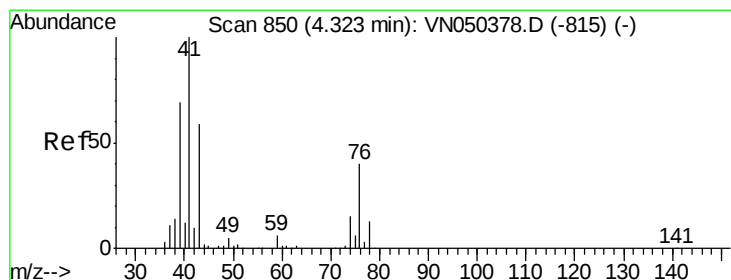
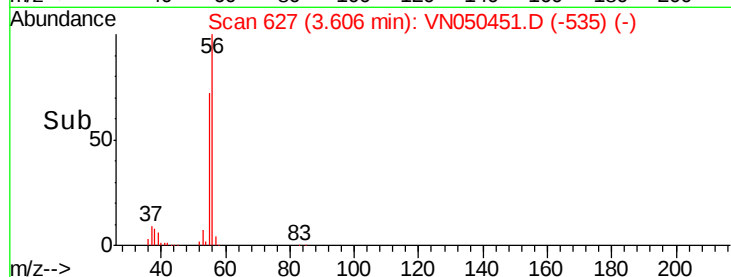
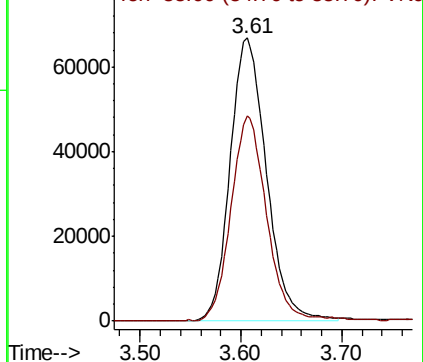
56 100

55 69.8 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 45.37 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

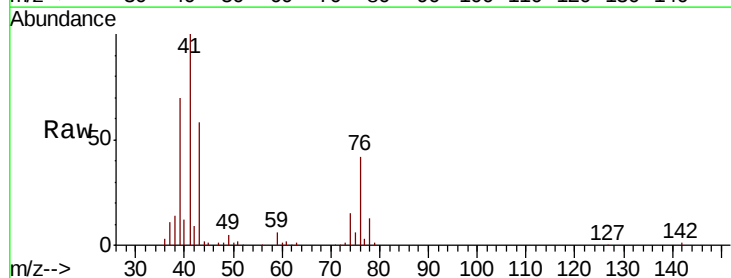
Tgt Ion: 41 Resp: 626547

Ion Ratio Lower Upper

41 100

39 66.7 54.2 81.4

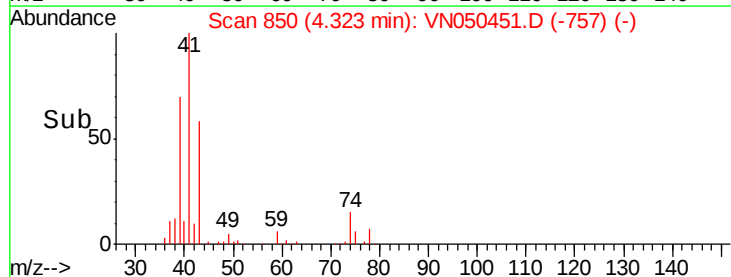
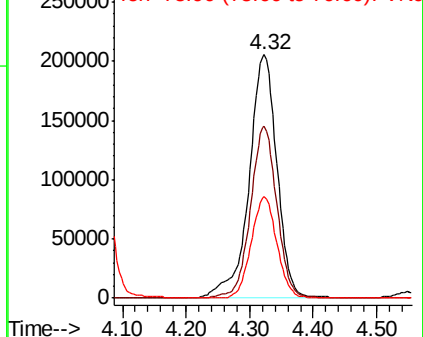
76 37.9 29.0 43.6

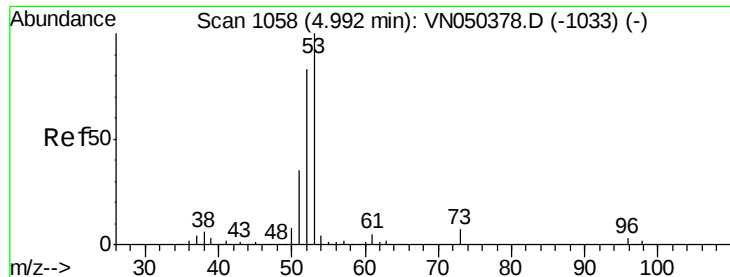


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 204.43 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

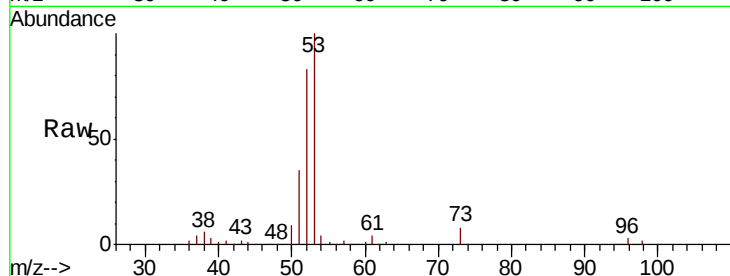
Tot Ion: 53 Resp: 731039

Ion Ratio Lower Upper

53 100

52 82.2 66.2 99.2

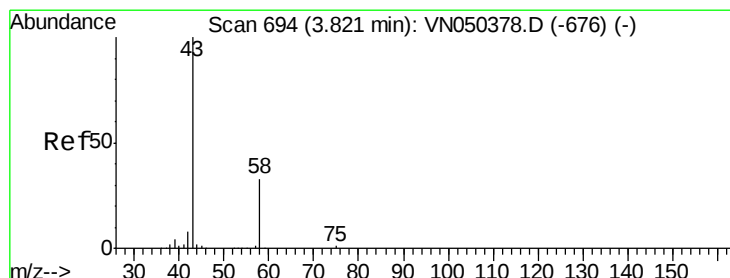
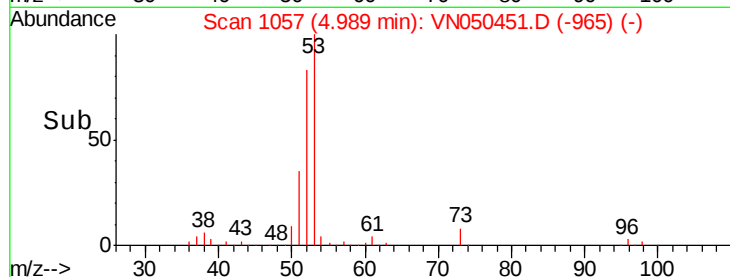
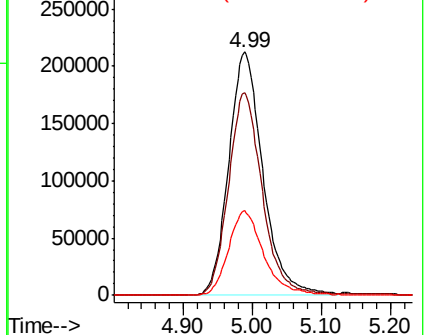
51 35.9 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 200.40 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN050451.D

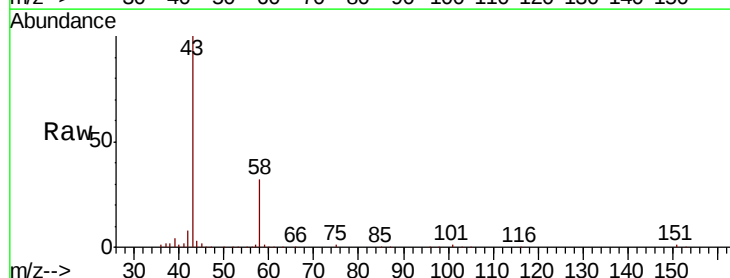
Acq: 8 Aug 2018 11:13

Tgt Ion: 43 Resp: 635379

Ion Ratio Lower Upper

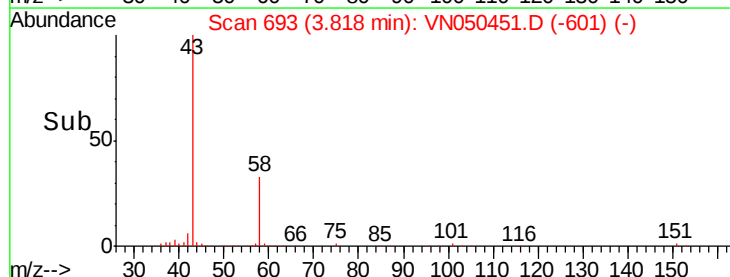
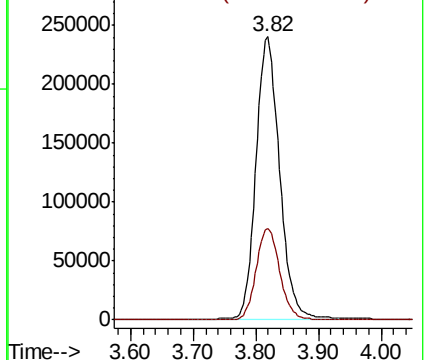
43 100

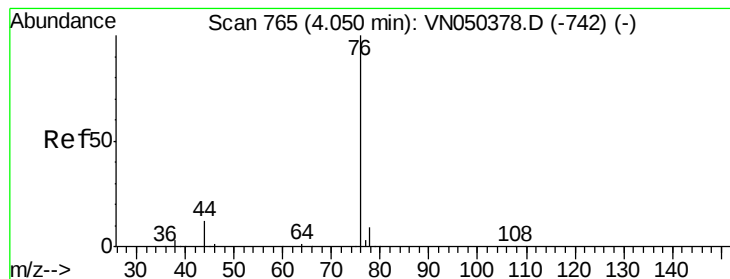
58 32.3 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 40.84 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

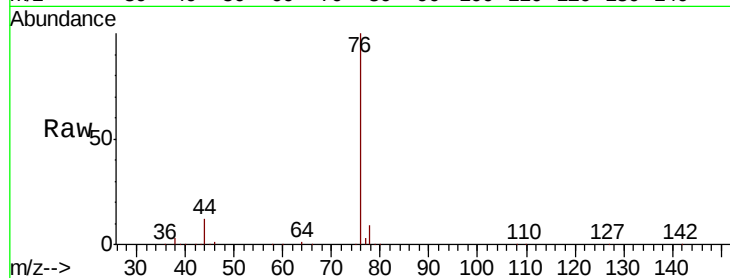
VSTDCCC050

Tot Ion: 76 Resp: 1141935

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN050378.D (-742) (-)

Ion 77.90 (77.60 to 78.60): VN050378.D (-742) (-)

4.05

400000

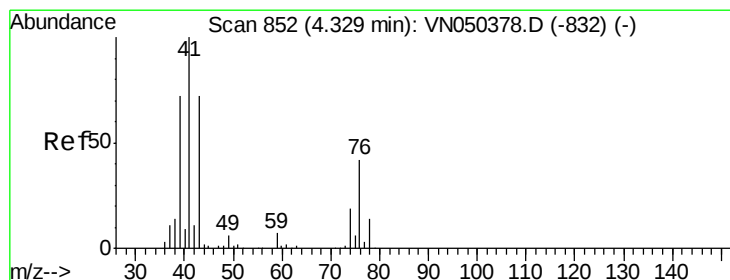
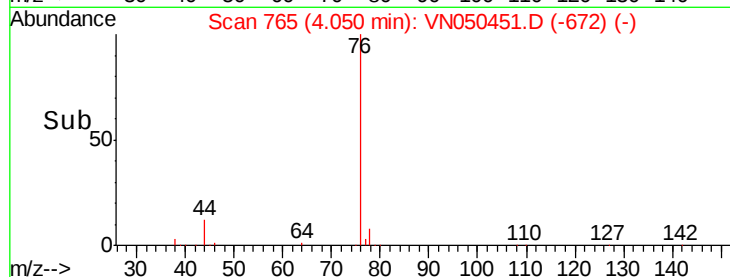
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 42.07 ug/l

RT: 4.33 min Scan# 851

Delta R.T. -0.00 min

Lab File: VN050451.D

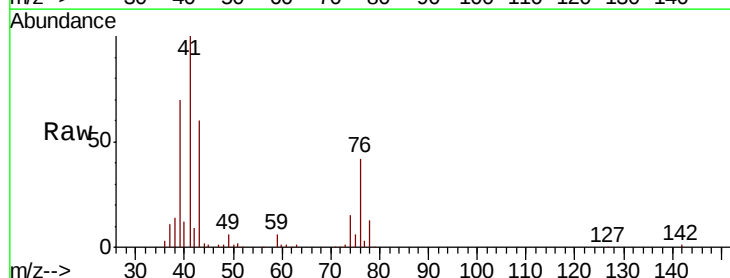
Acq: 8 Aug 2018 11:13

Tgt Ion: 43 Resp: 346685

Ion Ratio Lower Upper

43 100

74 25.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-832) (-)

Ion 74.00 (73.70 to 74.70): VN050378.D (-832) (-)

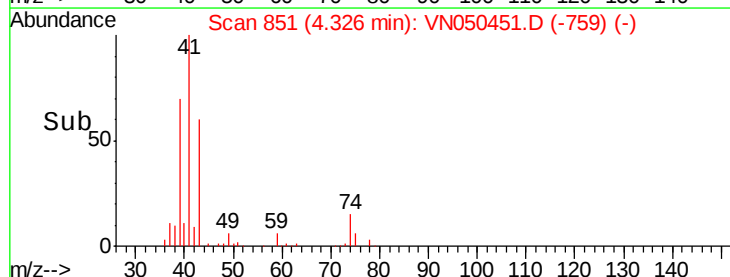
4.33

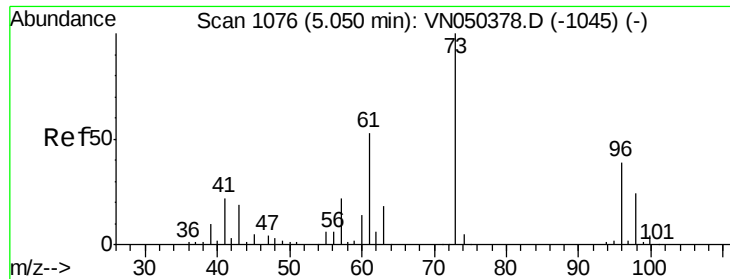
100000

50000

0

Time-->

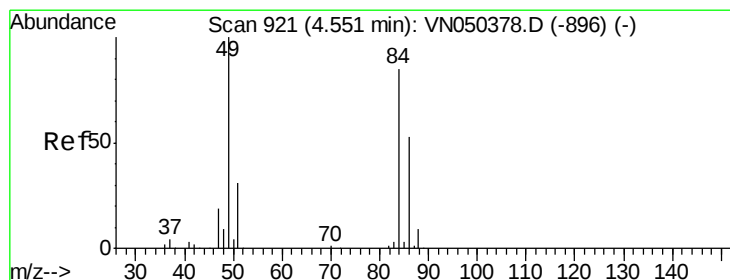
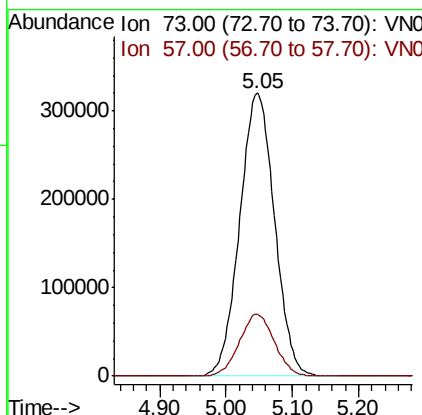
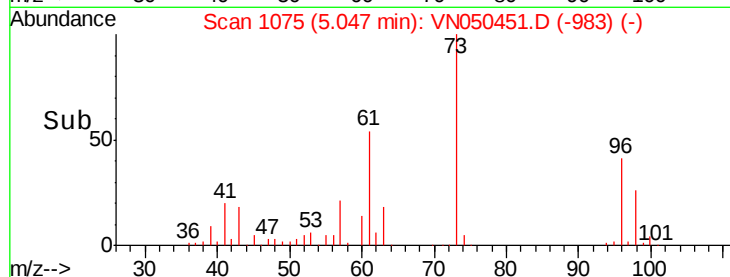
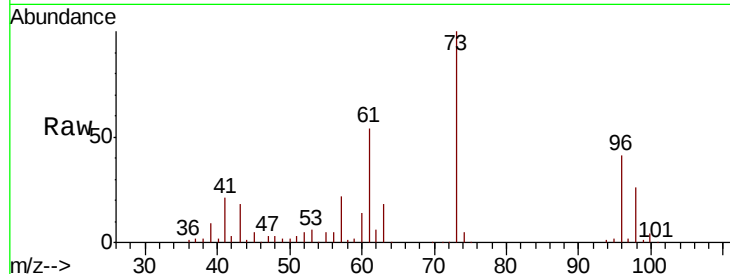




#19
Methvl tert-butvl Ether
Concen: 47.88 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

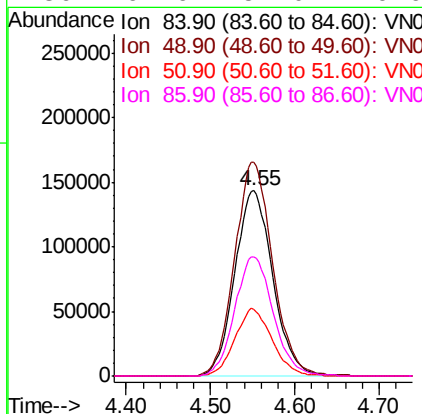
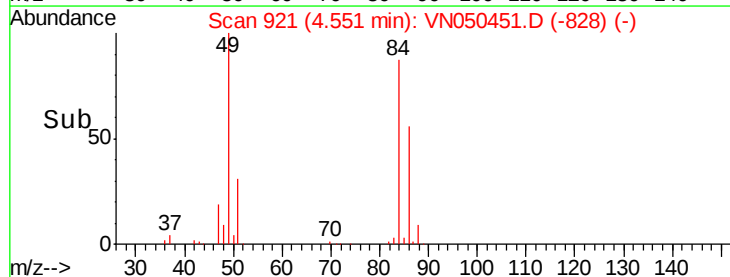
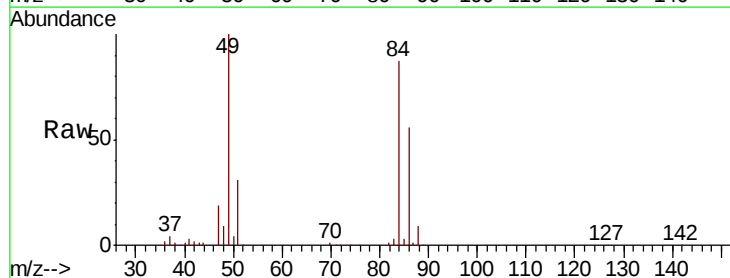
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

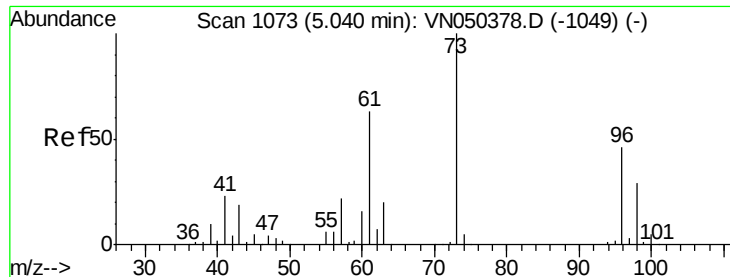
Tot Ion: 73 Resp: 1168614
Ion Ratio Lower Upper
73 100
57 21.7 18.0 27.0



#20
Methylene Chloride
Concen: 46.40 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

Tgt Ion: 84 Resp: 450860
Ion Ratio Lower Upper
84 100
49 115.3 94.8 142.2
51 35.9 28.3 42.5
86 64.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 46.42 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. 0.00 min

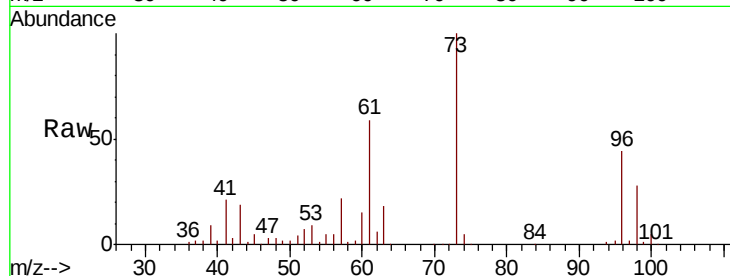
Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 431939

Ion	Ratio	Lower	Upper
96	100		
61	134.7	110.7	166.1
98	63.6	51.6	77.4

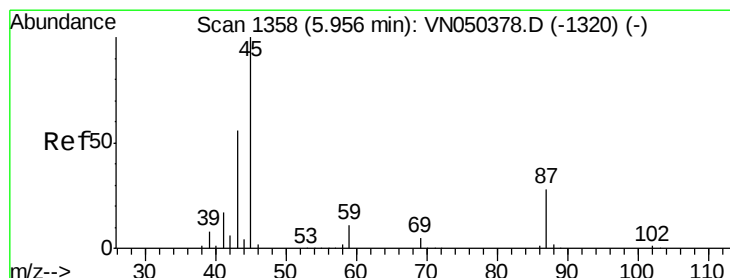
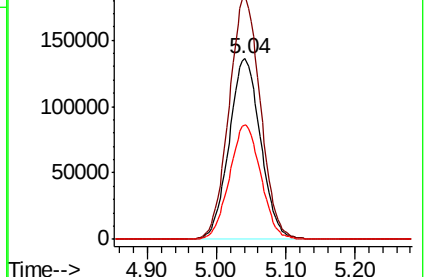
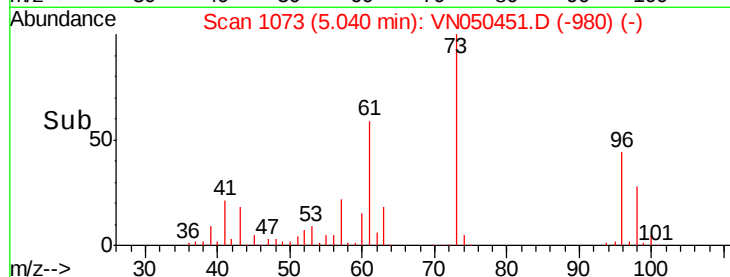


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 47.87 ug/l

RT: 5.95 min Scan# 1357

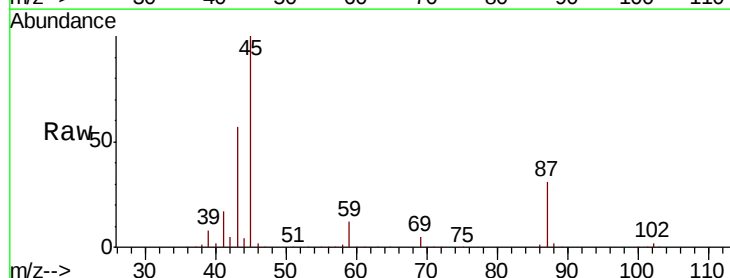
Delta R.T. -0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Tgt Ion: 45 Resp: 1350471

Ion	Ratio	Lower	Upper
45	100		
43	56.2	45.7	68.5
87	30.5	22.7	34.1
59	12.2	9.5	14.3



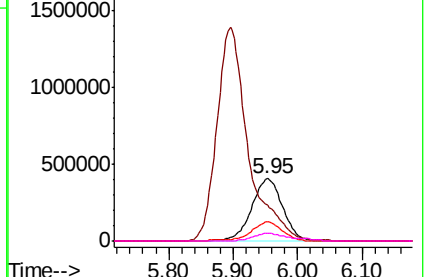
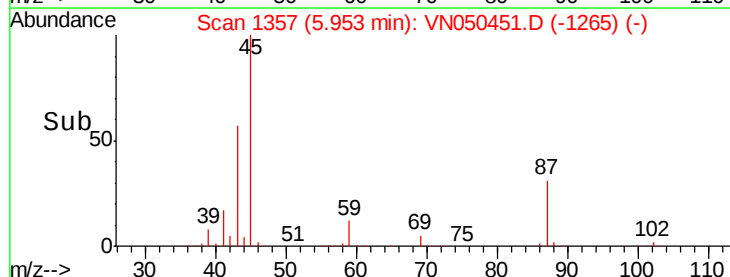
Abundance

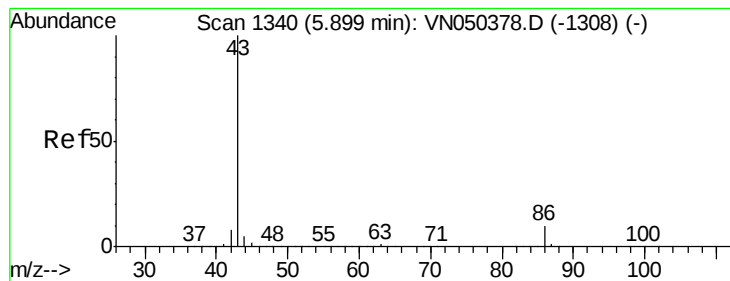
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 233.31 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

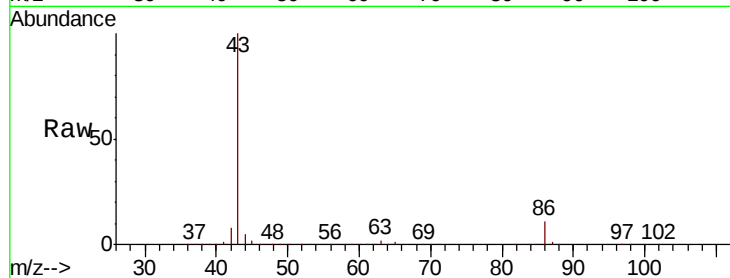
VSTDCCC050

Tot Ion: 43 Resp: 4696064

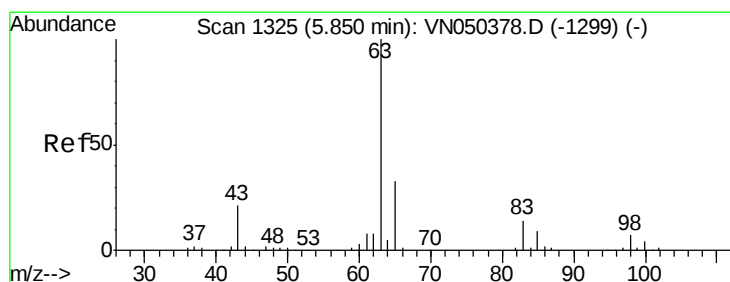
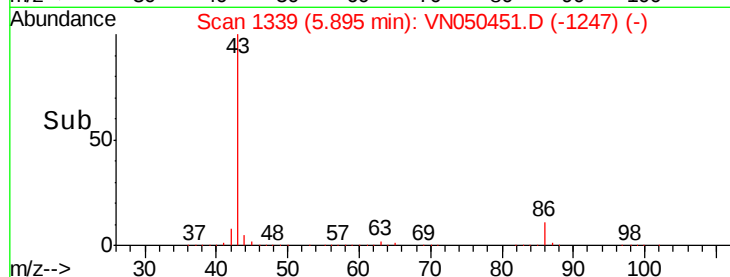
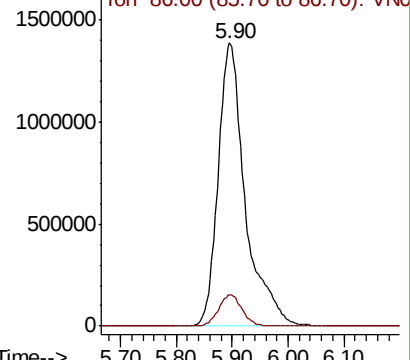
Ion Ratio Lower Upper

43 100

86 11.2 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN050451.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 45.65 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

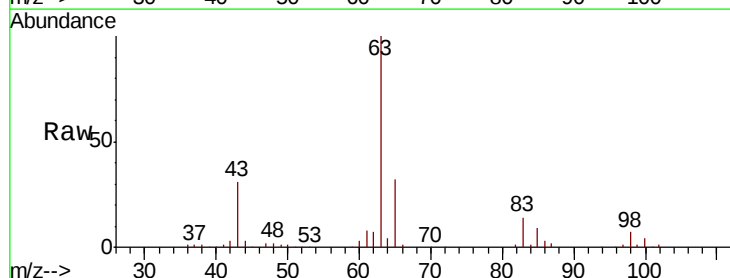
Tgt Ion: 63 Resp: 790187

Ion Ratio Lower Upper

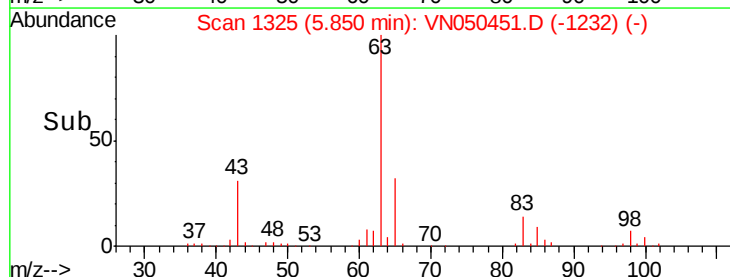
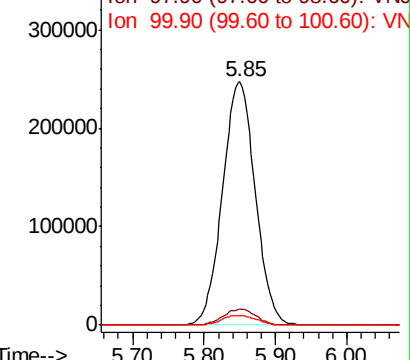
63 100

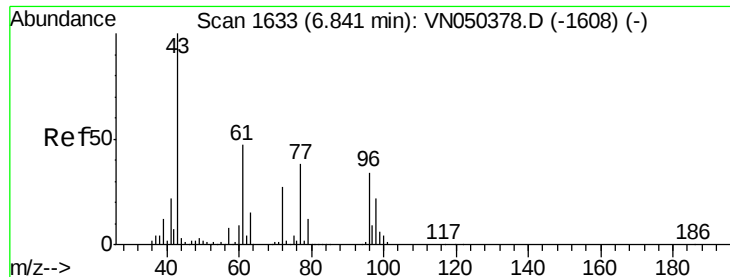
98 6.5 3.3 9.8

100 4.0 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN050451.D (-1232) (-)





#25

2-Butanone

Concen: 202.47 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

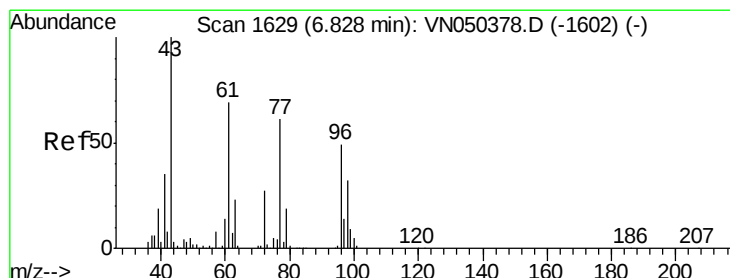
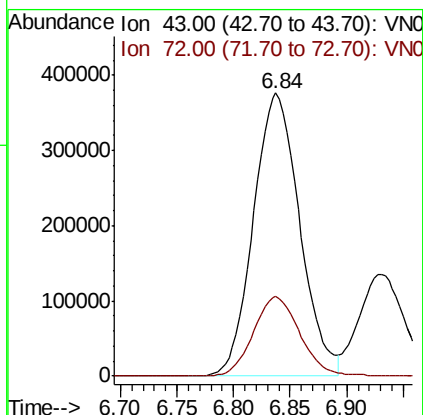
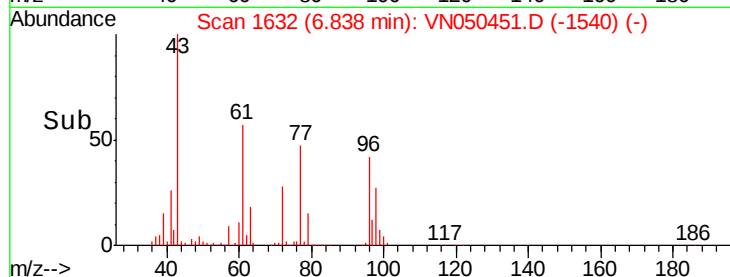
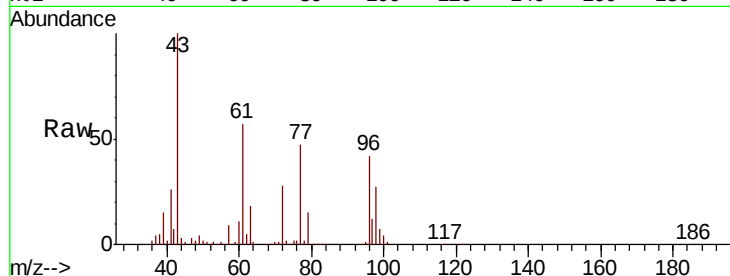
VSTDCCC050

Tot Ion: 43 Resp: 1066274

Ion Ratio Lower Upper

43 100

72 28.0 21.5 32.3



#26

2,2-Dichloropropane

Concen: 46.23 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050451.D

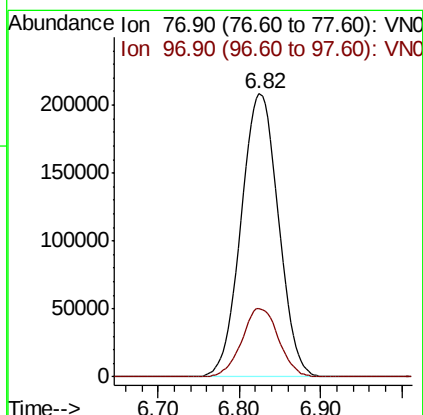
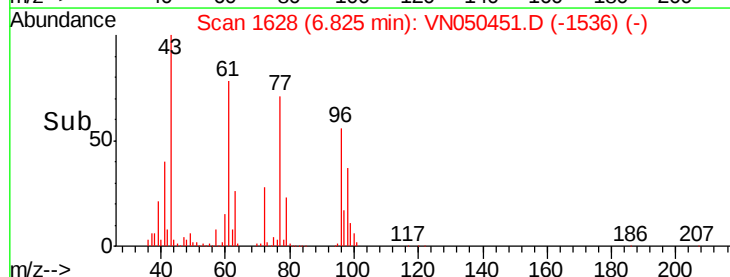
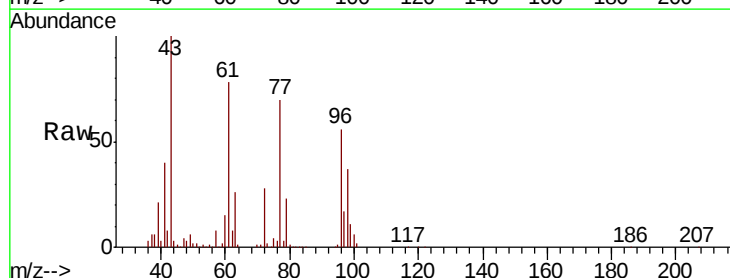
Acq: 8 Aug 2018 11:13

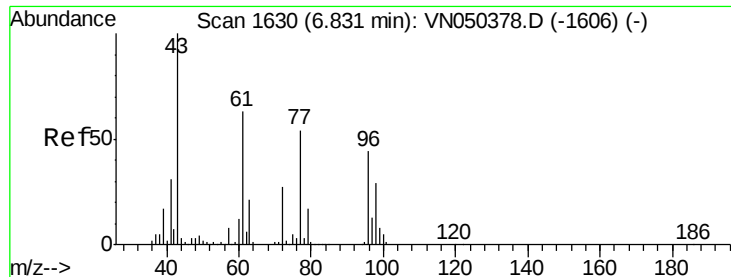
Tgt Ion: 77 Resp: 659710

Ion Ratio Lower Upper

77 100

97 23.9 11.8 35.3

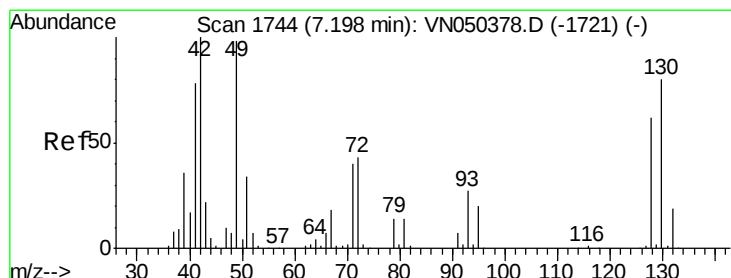
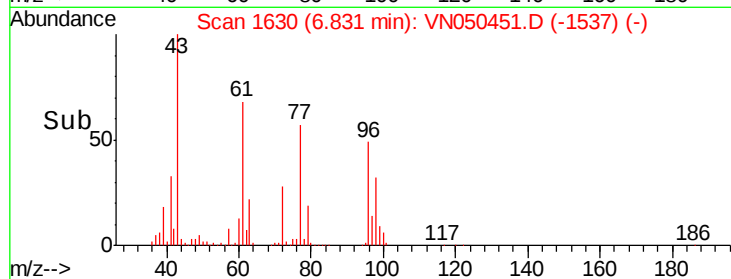
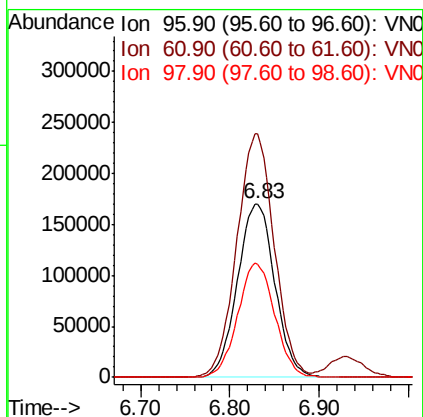
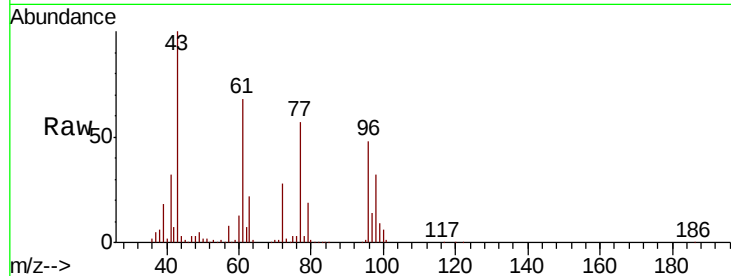




#27
 cis-1,2-Dichloroethene
 Concen: 48.19 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050451.D
 Acq: 8 Aug 2018 11:13

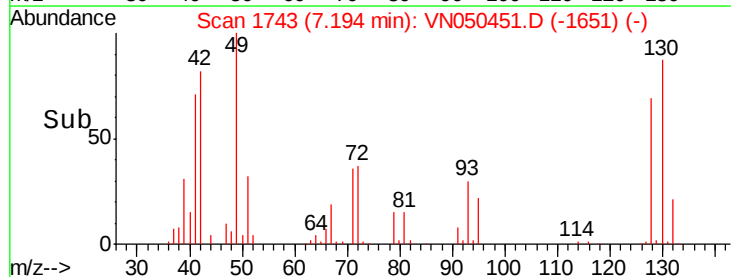
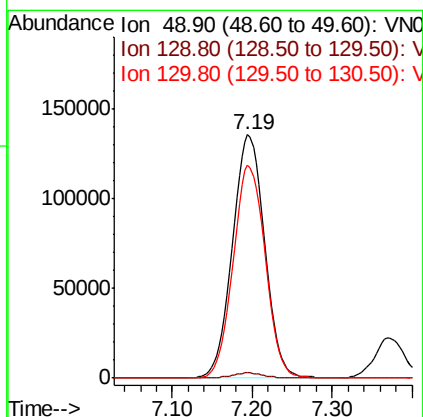
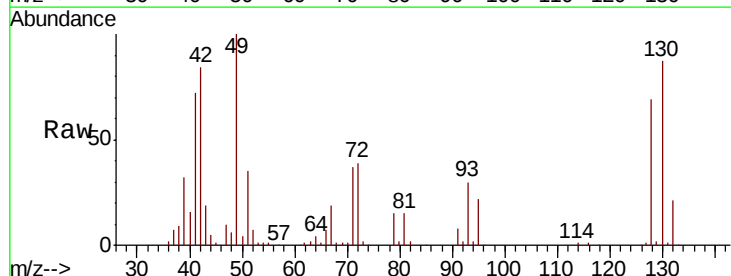
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

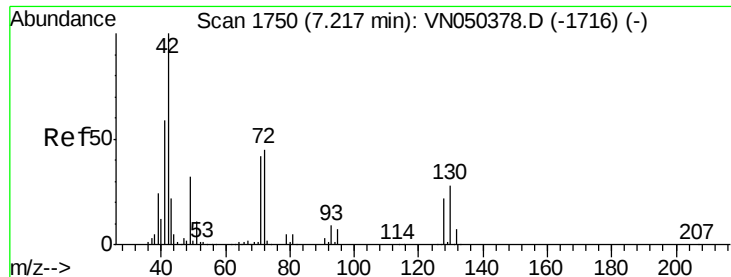
Tot Ion: 96 Resp: 497029
 Ion Ratio Lower Upper
 96 100
 61 140.3 0.0 285.0
 98 65.3 0.0 129.2



#28
 Bromochloromethane
 Concen: 46.37 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN050451.D
 Acq: 8 Aug 2018 11:13

Tgt Ion: 49 Resp: 369522
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.0
 130 87.1 66.3 99.5

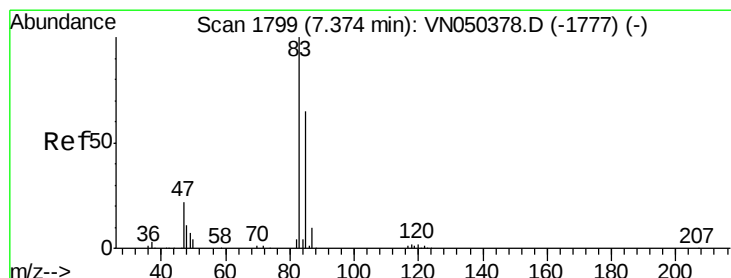
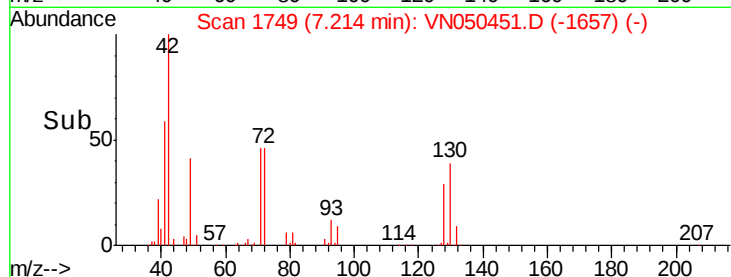
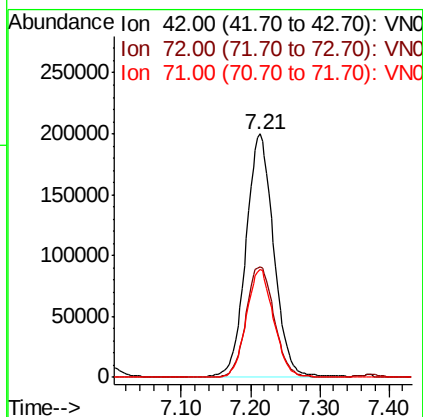
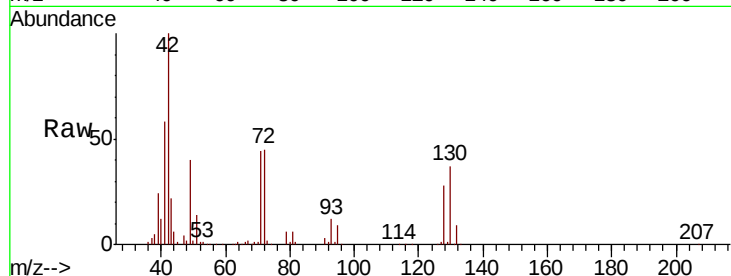




#29
Tetrahydrofuran
Concen: 196.43 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

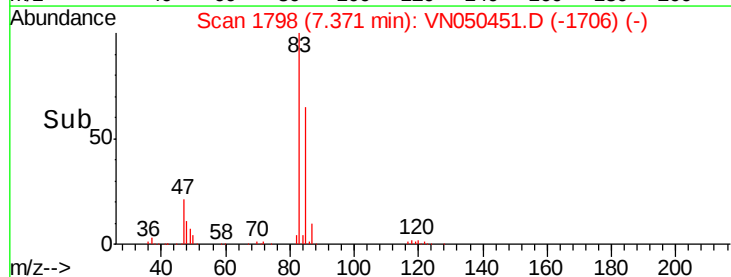
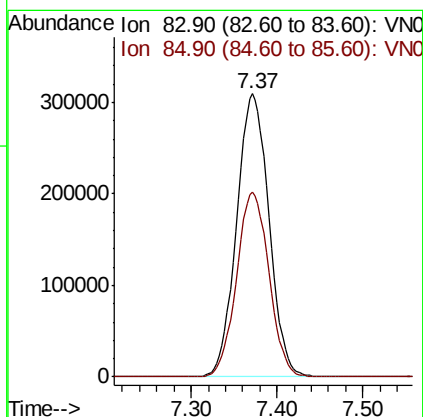
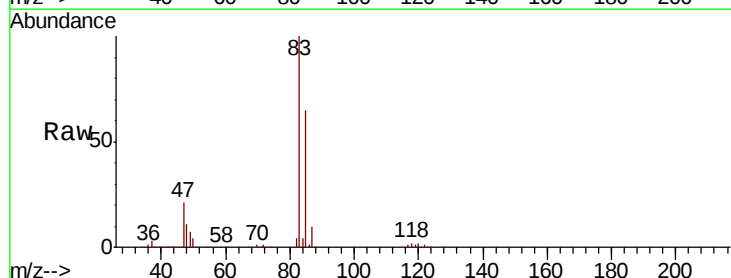
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

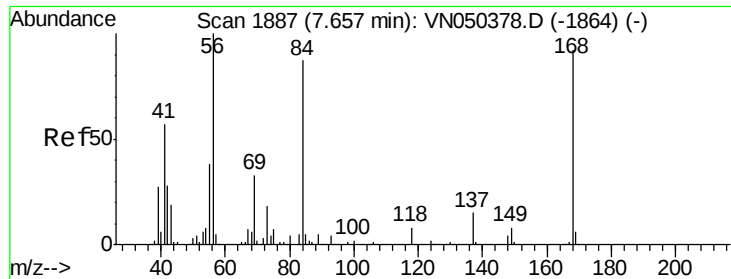
Tot Ion: 42 Resp: 553675
Ion Ratio Lower Upper
42 100
72 46.3 35.9 53.9
71 43.7 33.7 50.5



#30
Chloroform
Concen: 46.70 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

Tgt Ion: 83 Resp: 808065
Ion Ratio Lower Upper
83 100
85 65.2 52.5 78.7

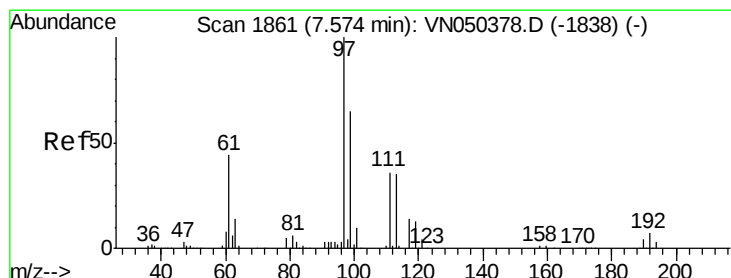
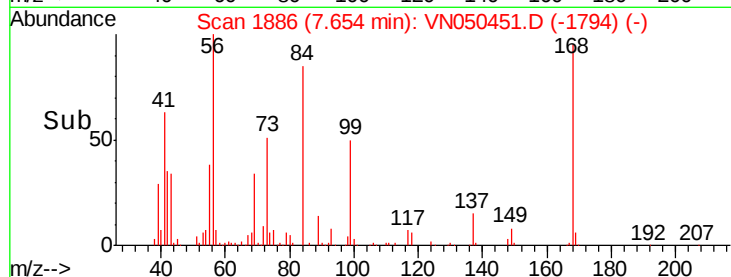
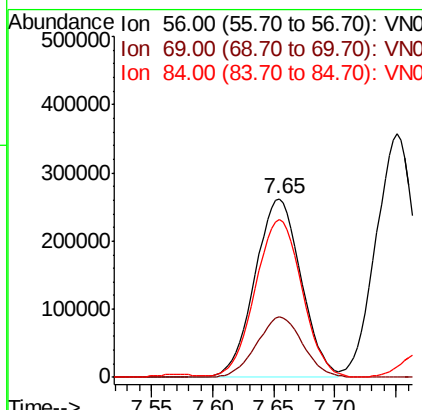
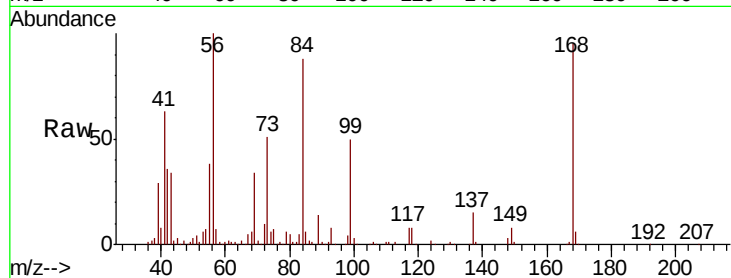




#31
Cyclohexane
Concen: 45.35 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

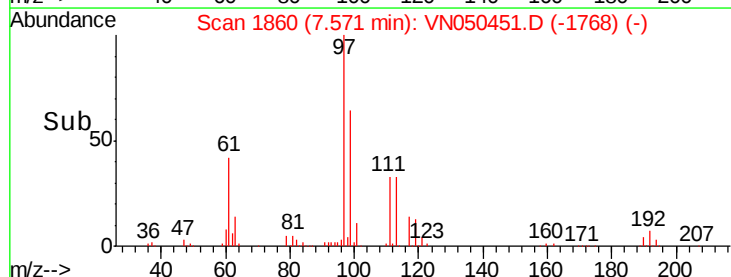
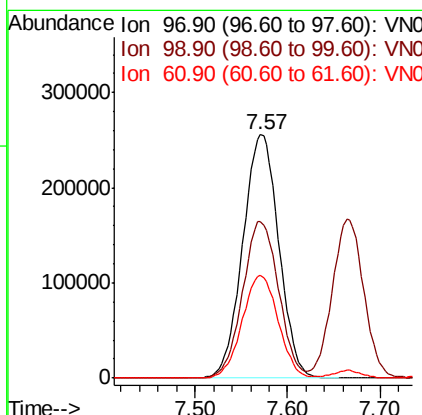
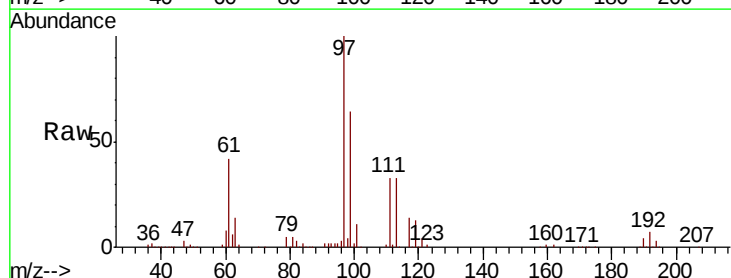
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

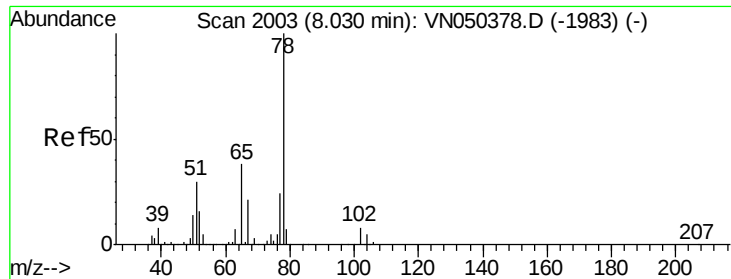
Tot Ion: 56 Resp: 691857
Ion Ratio Lower Upper
56 100
69 33.7 26.2 39.4
84 87.0 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 46.41 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

Tgt Ion: 97 Resp: 689705
Ion Ratio Lower Upper
97 100
99 64.5 51.4 77.0
61 42.3 35.4 53.0

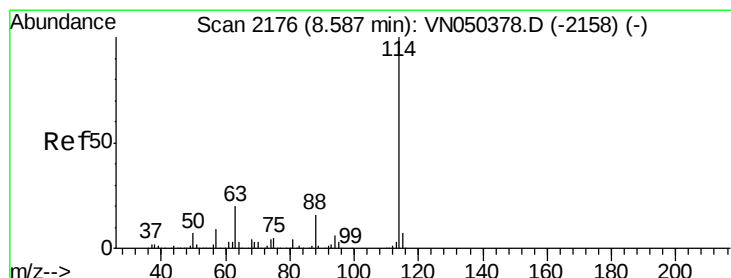
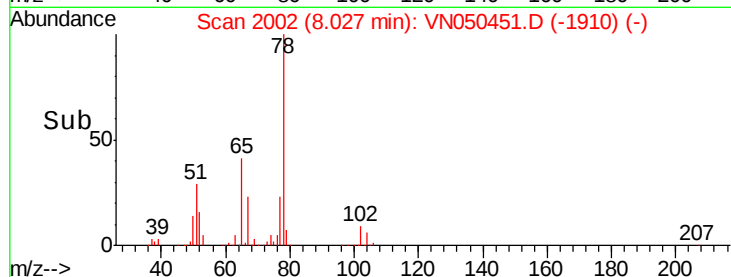
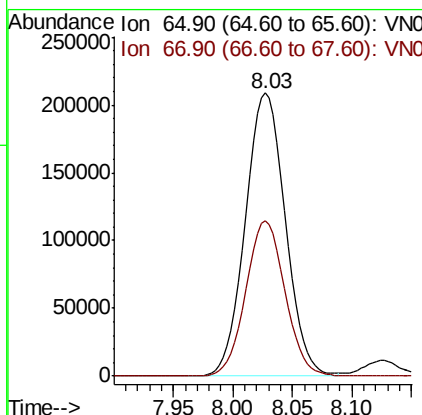
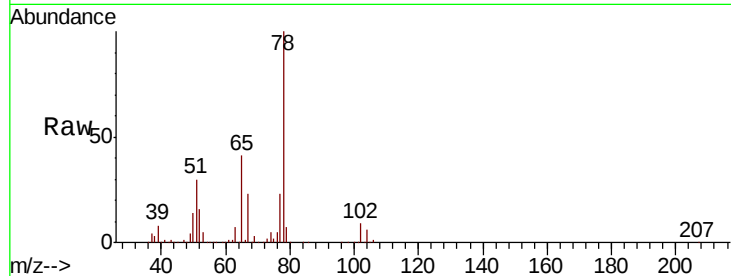




#33
 1,2-Dichloroethane-d4
 Concen: 45.86 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050451.D
 Acq: 8 Aug 2018 11:13

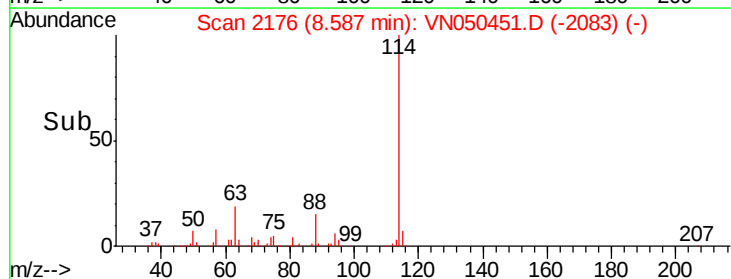
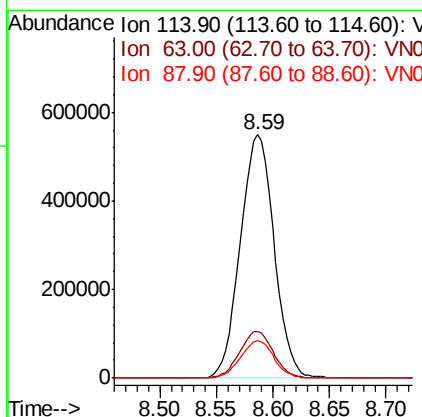
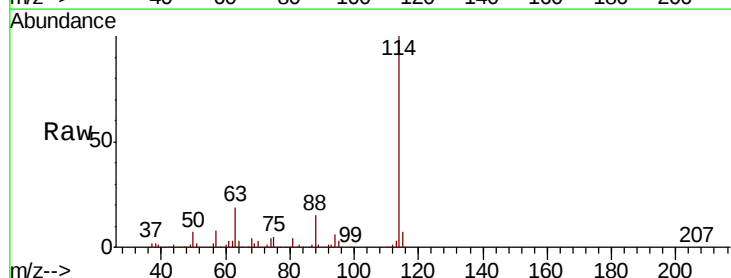
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

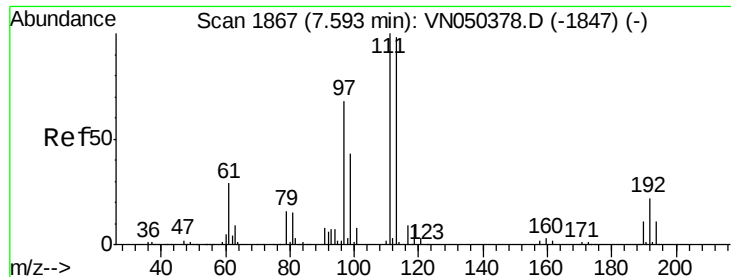
Tot Ion: 65 Resp: 487421
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050451.D
 Acq: 8 Aug 2018 11:13

Tgt Ion: 114 Resp: 1145267
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 15.3 0.0 31.2

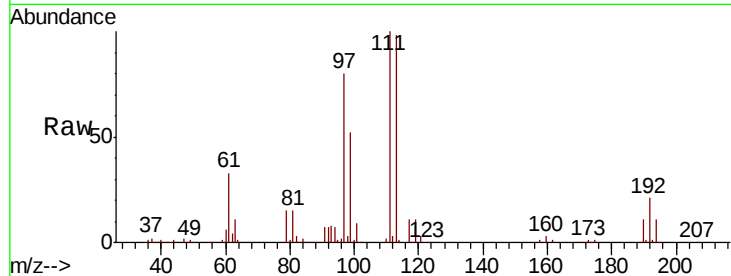




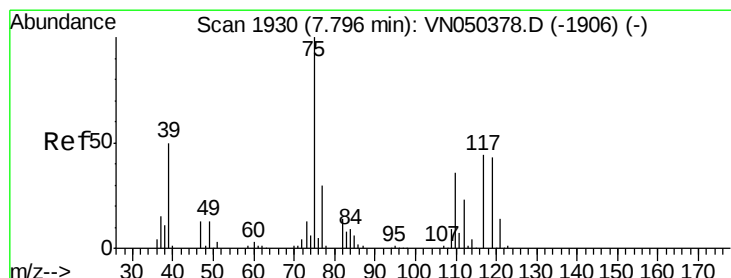
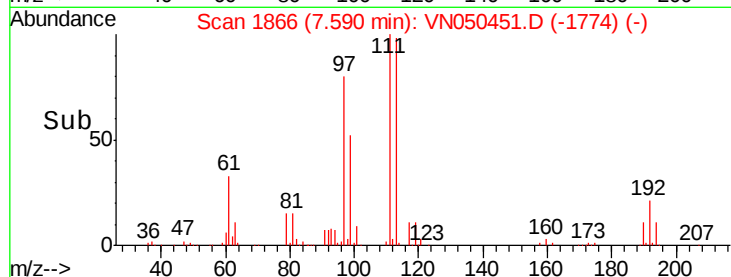
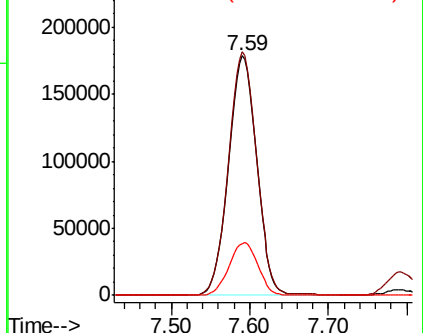
#35
 Dibromofluoromethane
 Concen: 48.57 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050451.D
 Acq: 8 Aug 2018 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 446314
 Ion Ratio Lower Upper
 113 100
 111 101.4 80.7 121.1
 192 22.5 17.8 26.6

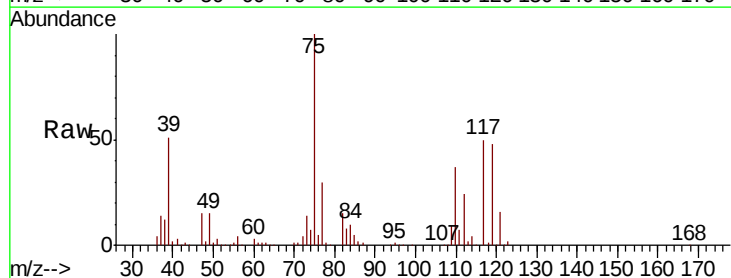


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

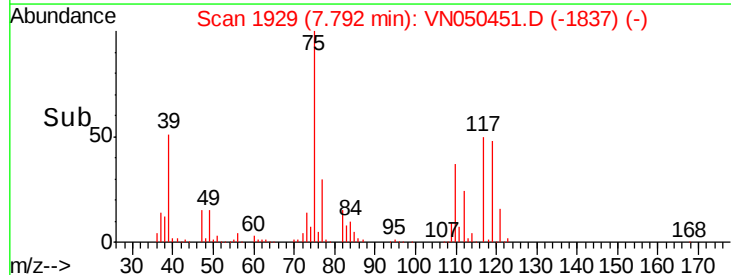
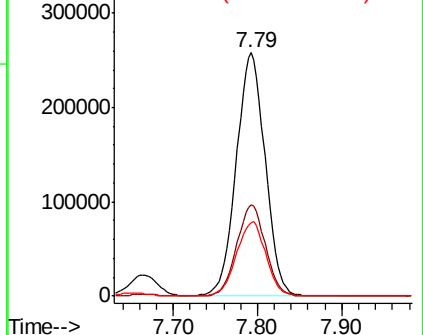


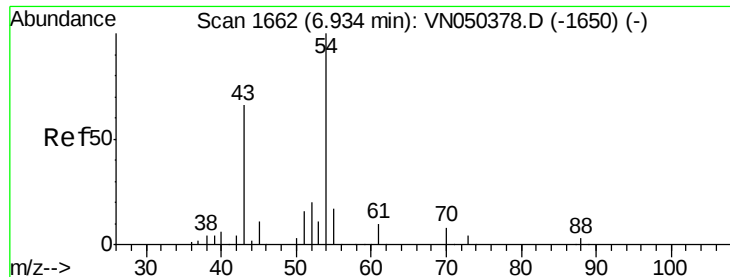
#36
 1,1-Dichloropropene
 Concen: 48.87 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050451.D
 Acq: 8 Aug 2018 11:13

Tgt Ion: 75 Resp: 615017
 Ion Ratio Lower Upper
 75 100
 110 37.2 18.4 55.2
 77 31.2 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

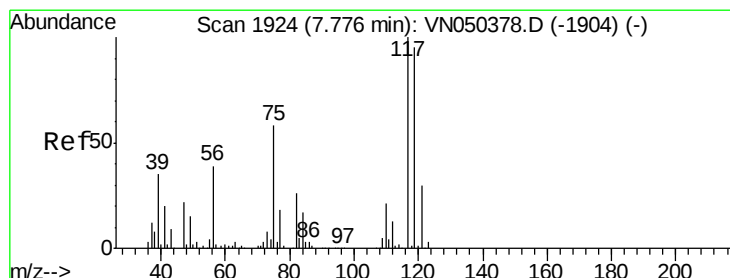
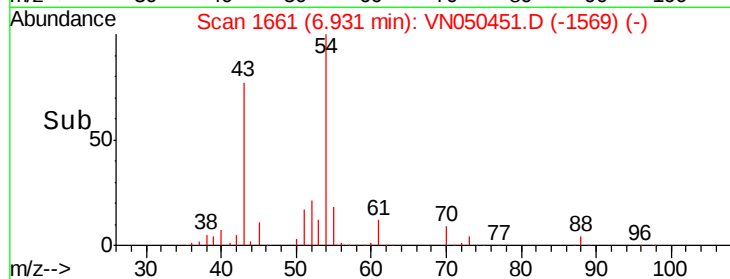
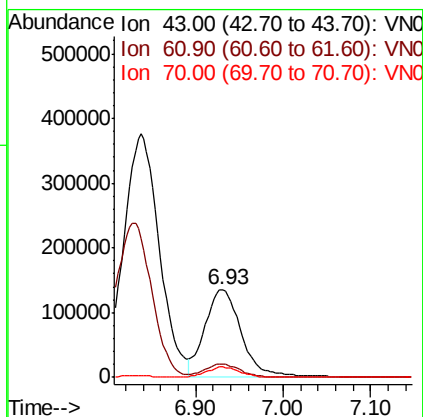
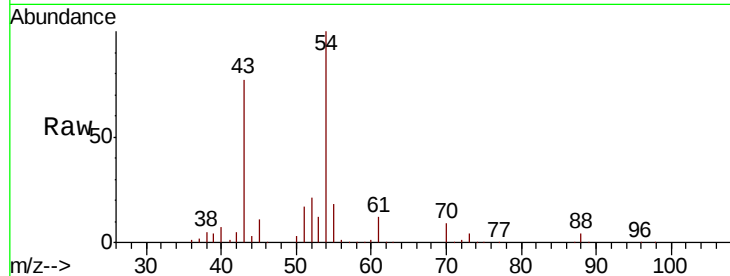




#37
Ethyl Acetate
Concen: 42.72 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

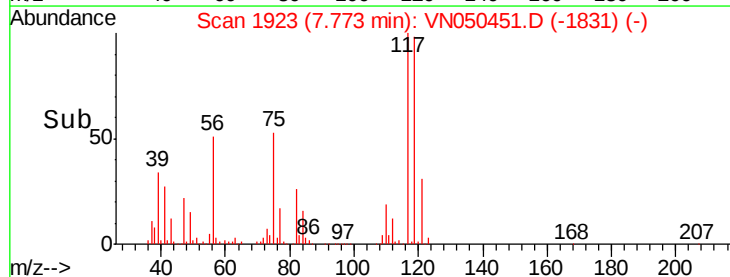
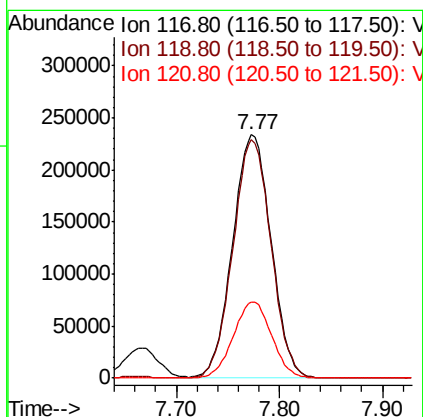
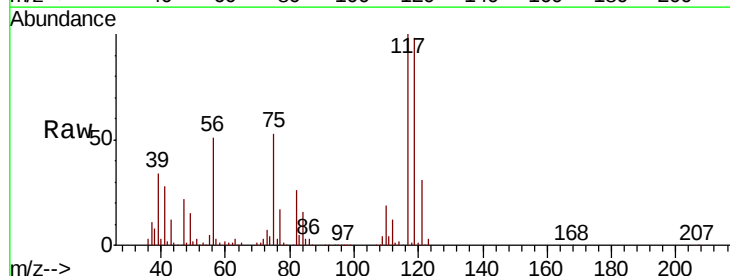
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

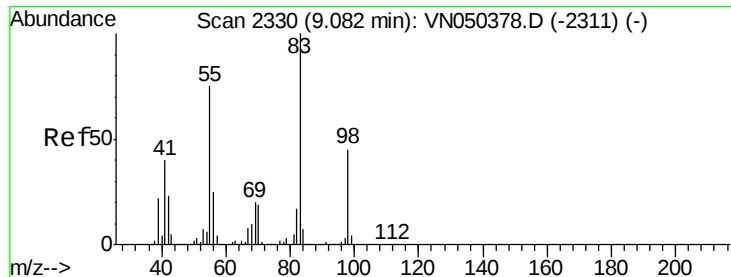
Tot Ion: 43 Resp: 387097
Ion Ratio Lower Upper
43 100
61 14.7 11.8 17.8
70 11.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 46.19 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

Tgt Ion: 117 Resp: 606368
Ion Ratio Lower Upper
117 100
119 97.8 77.4 116.0
121 31.4 23.9 35.9

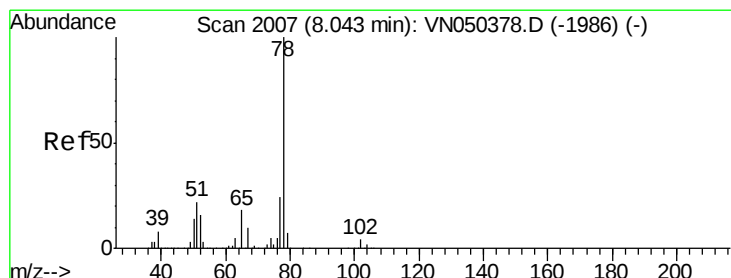
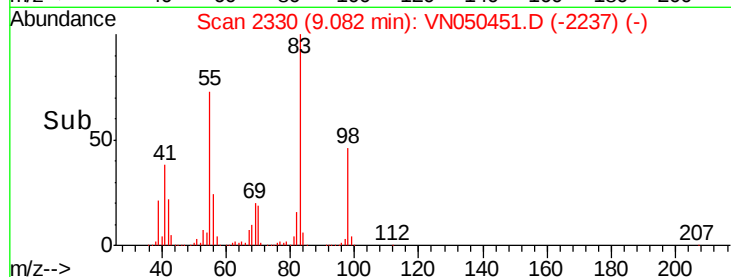
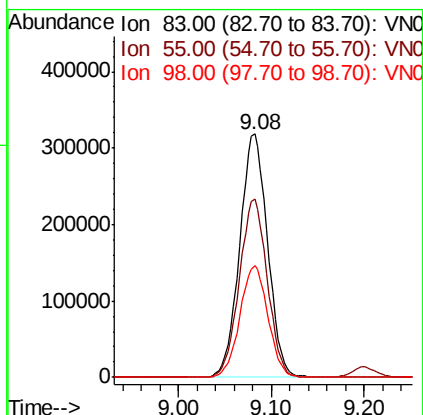
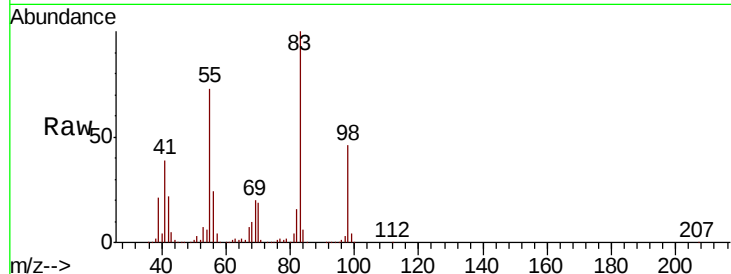




#39
Methvlcvclohexane
Concen: 48.27 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

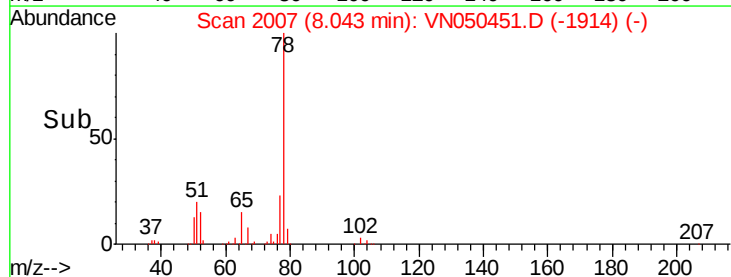
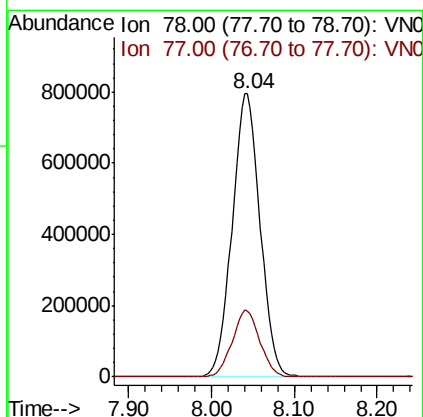
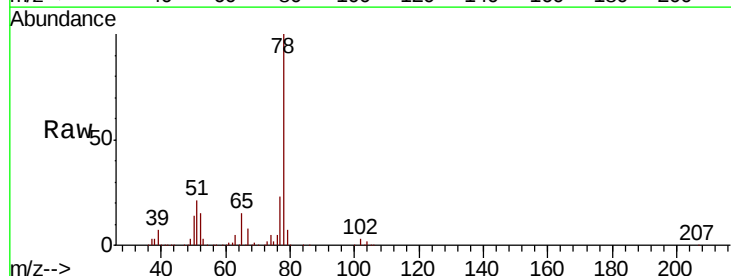
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

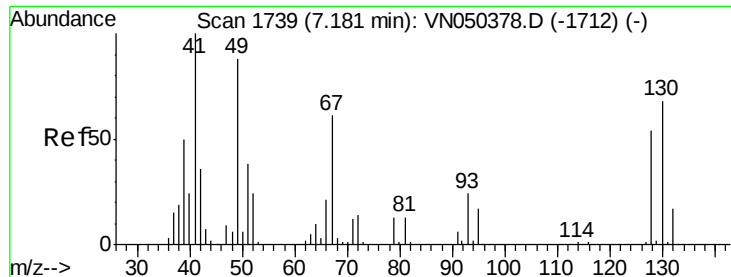
Tot Ion: 83 Resp: 662967
Ion Ratio Lower Upper
83 100
55 73.1 61.8 92.8
98 45.7 36.5 54.7



#40
Benzene
Concen: 48.01 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

Tgt Ion: 78 Resp: 1857374
Ion Ratio Lower Upper
78 100
77 23.4 18.7 28.1

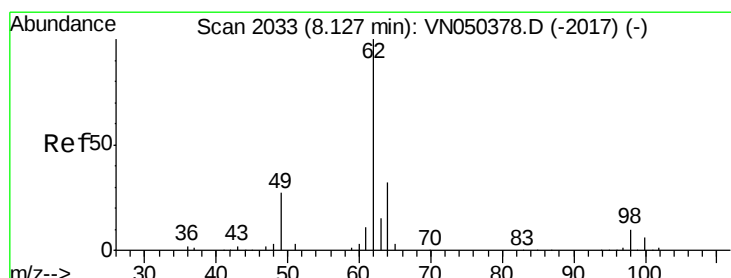
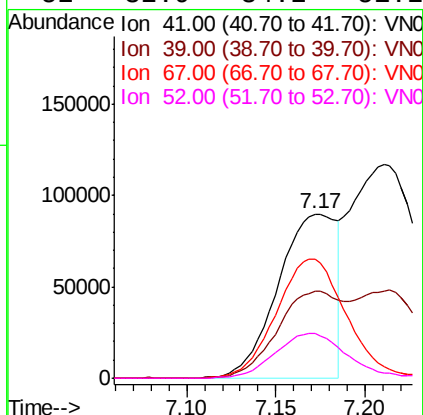
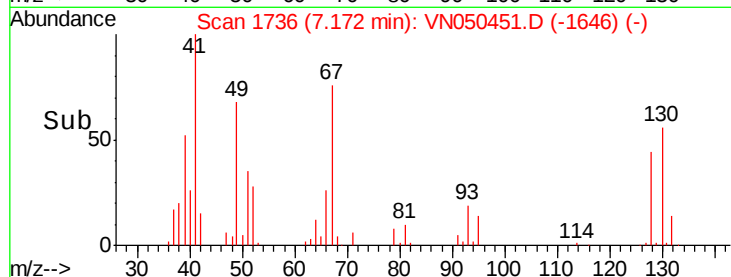
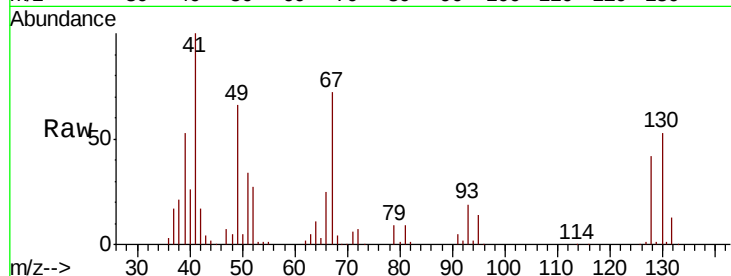




#41
Methacrylonitrile
Concen: 42.71 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

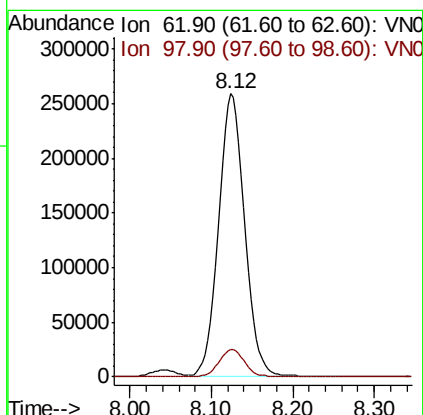
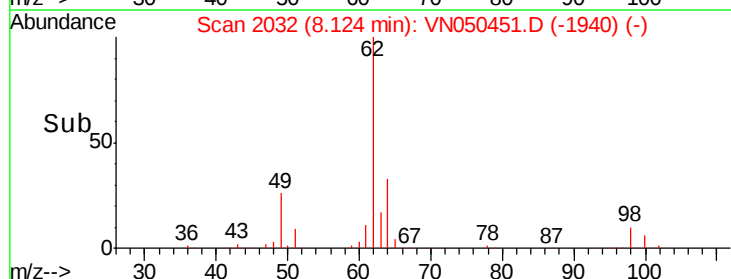
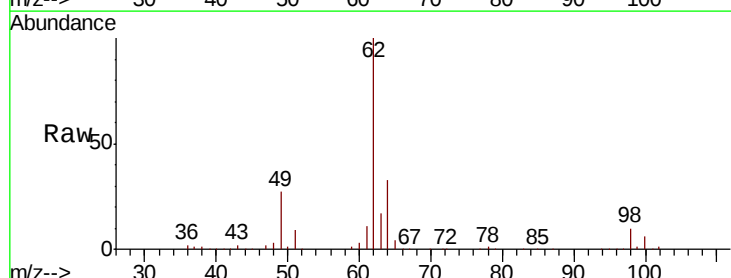
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

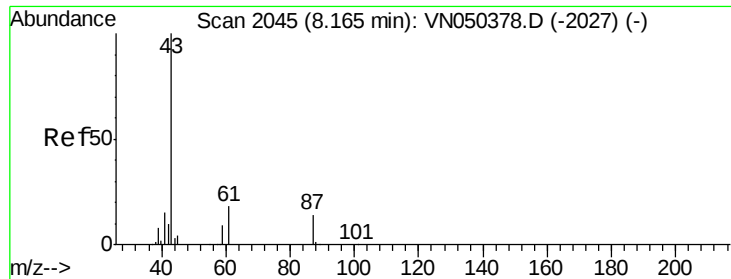
Tot Ion: 41 Resp: 205783
Ion Ratio Lower Upper
41 100
39 60.3 55.8 83.6
67 86.7 84.3 126.5
52 32.9 34.2 51.2#



#42
1,2-Dichloroethane
Concen: 47.82 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

Tgt Ion: 62 Resp: 587320
Ion Ratio Lower Upper
62 100
98 9.5 0.0 18.8



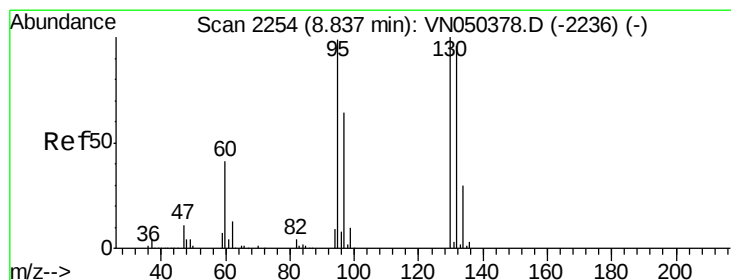
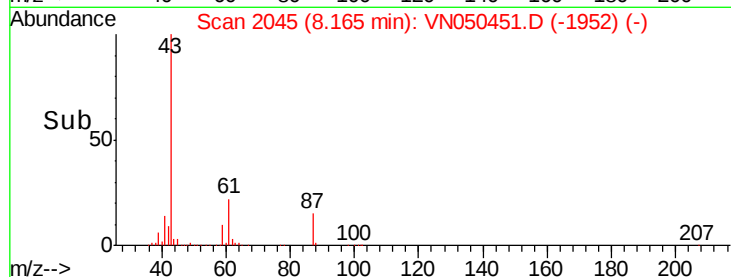
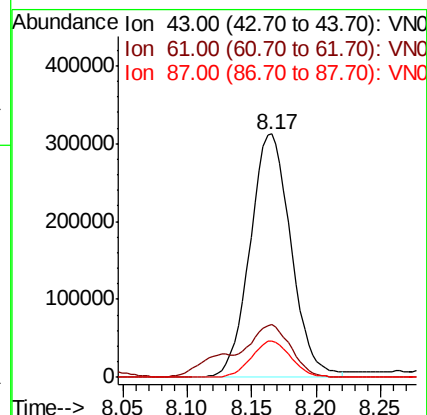
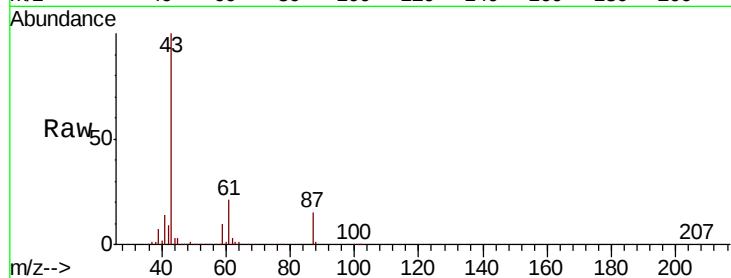


#43

Isopropyl Acetate
 Concen: 44.08 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050451.D
 Acq: 8 Aug 2018 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

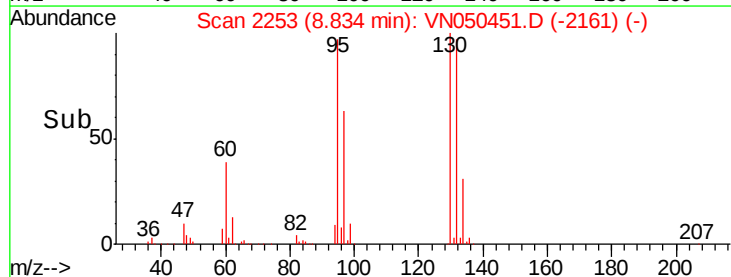
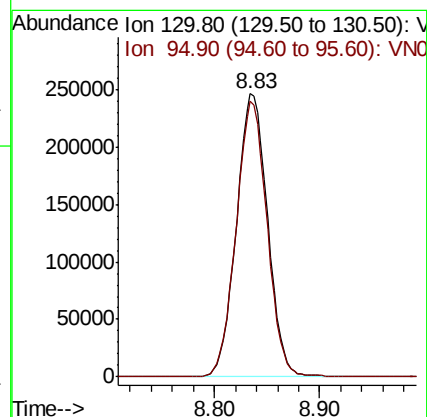
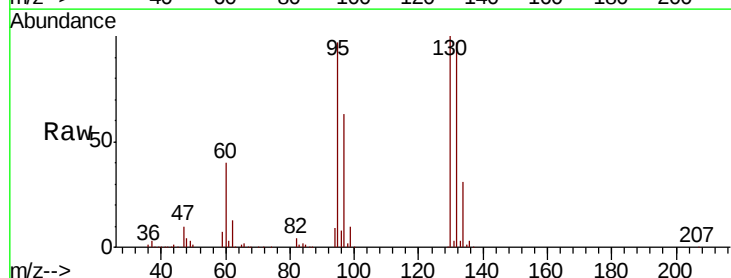
Tot Ion	43	Resp	689640
Ion Ratio	Lower	Upper	
43	100		
61	21.3	15.8	23.6
87	14.7	10.3	15.5

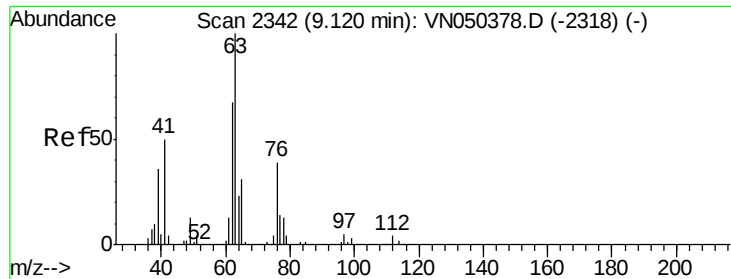


#44

Trichloroethene
 Concen: 48.48 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN050451.D
 Acq: 8 Aug 2018 11:13

Tgt Ion	130	Resp	503984
Ion Ratio	Lower	Upper	
130	100		
95	97.2	0.0	194.6

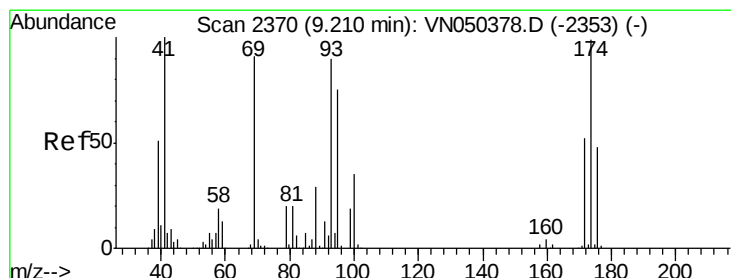
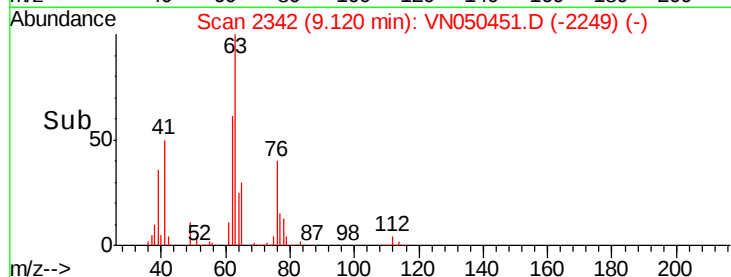
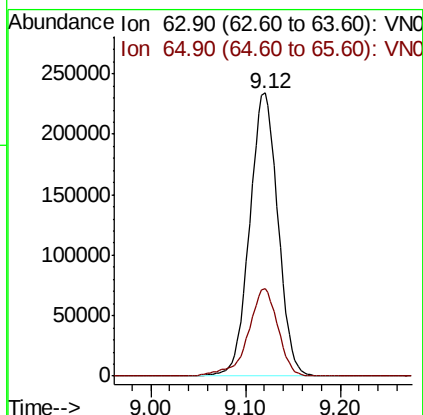
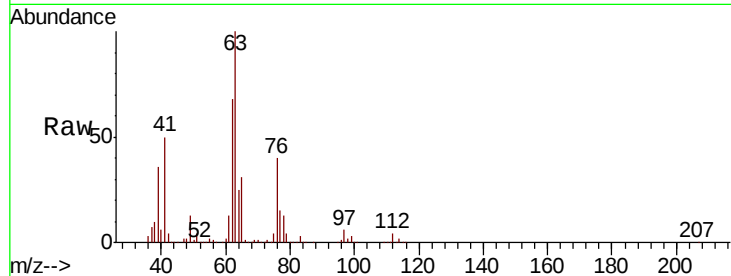




#45
 1,2-Dichloropropane
 Concen: 47.79 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050451.D
 Acq: 8 Aug 2018 11:13

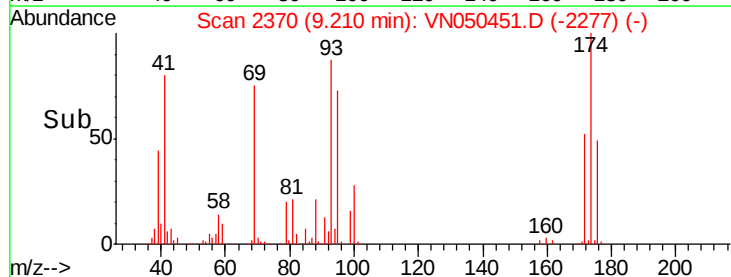
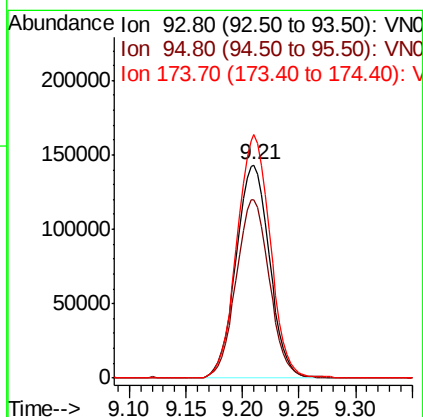
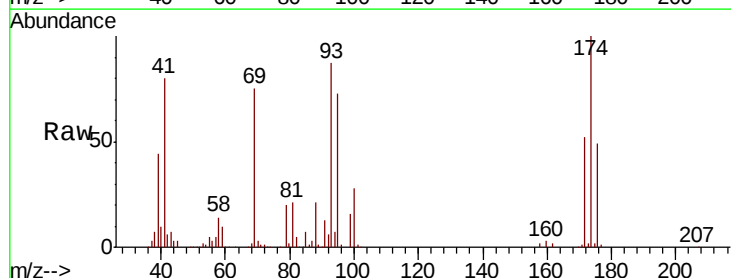
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

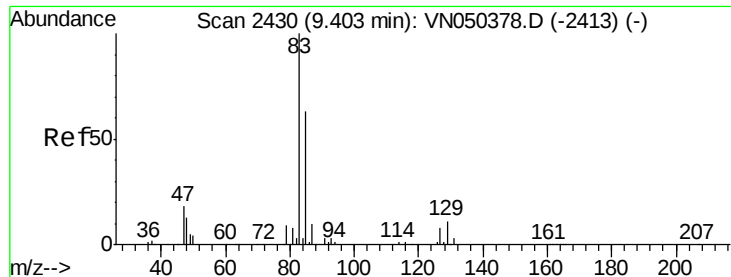
Tot Ion: 63 Resp: 486038
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.5 38.3



#46
 Dibromomethane
 Concen: 47.15 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050451.D
 Acq: 8 Aug 2018 11:13

Tgt Ion: 93 Resp: 296116
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 113.7 87.1 130.7

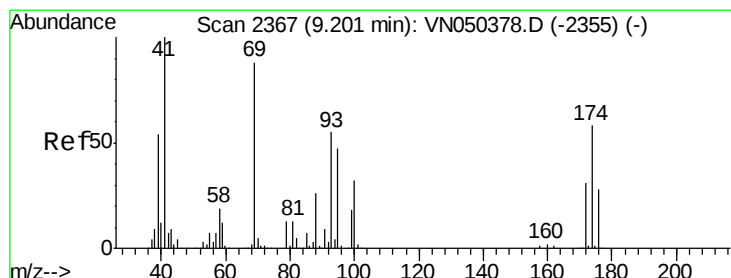
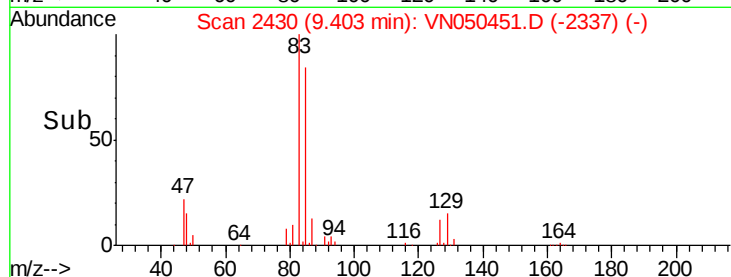
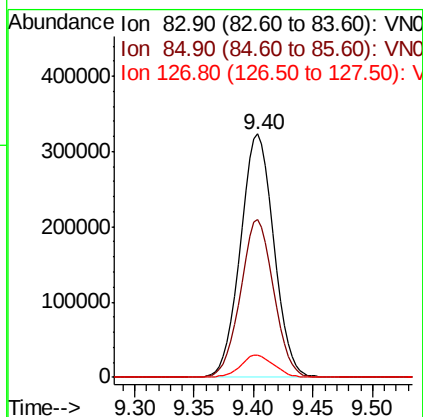
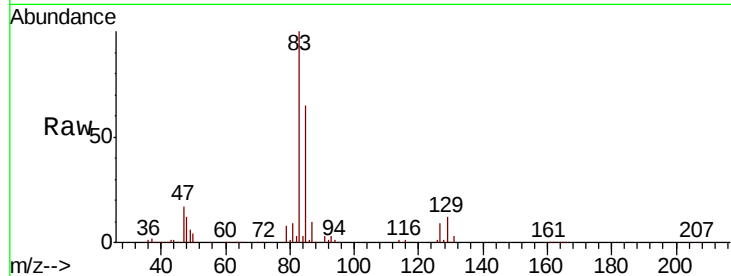




#47
Bromodichloromethane
Concen: 48.42 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

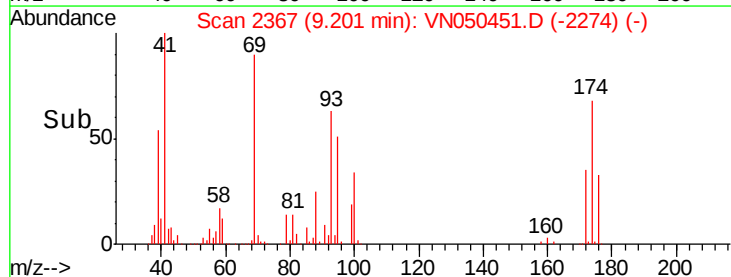
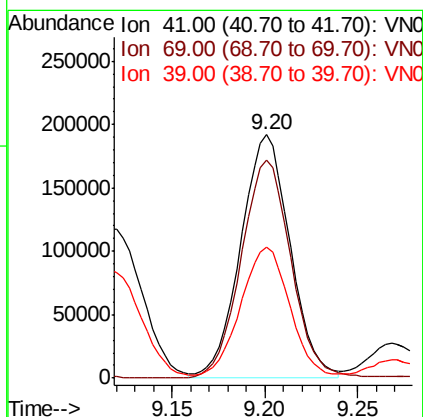
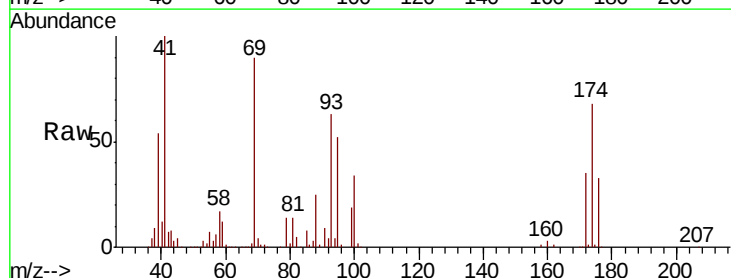
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

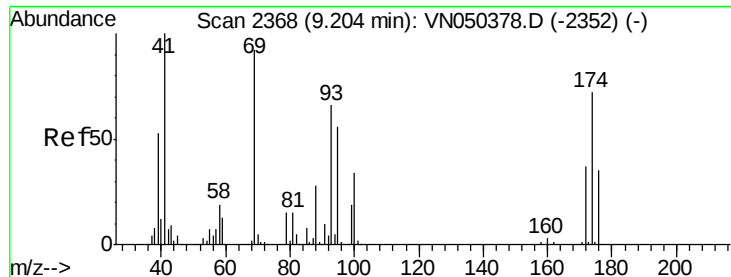
Tot Ion: 83 Resp: 629846
Ion Ratio Lower Upper
83 100
85 64.8 51.1 76.7
127 9.3 7.0 10.4



#48
Methyl methacrylate
Concen: 45.16 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

Tgt Ion: 41 Resp: 354099
Ion Ratio Lower Upper
41 100
69 91.7 70.6 105.8
39 53.9 43.9 65.9





#49

1,4-Dioxane

Concen: 792.61 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

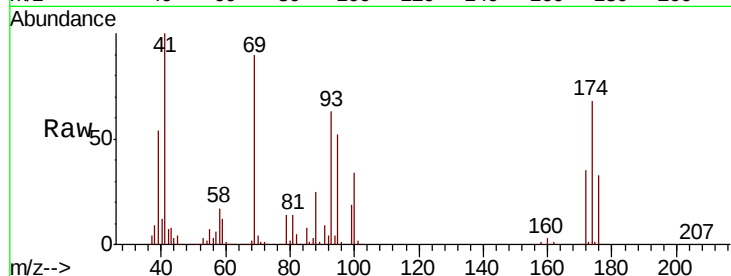
Tot Ion: 88 Resp: 95792

Ion Ratio Lower Upper

88 100

43 31.5 26.9 40.3

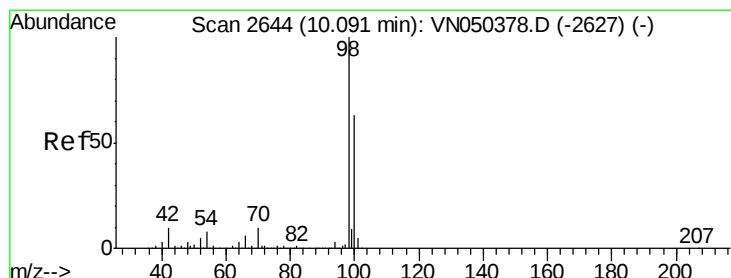
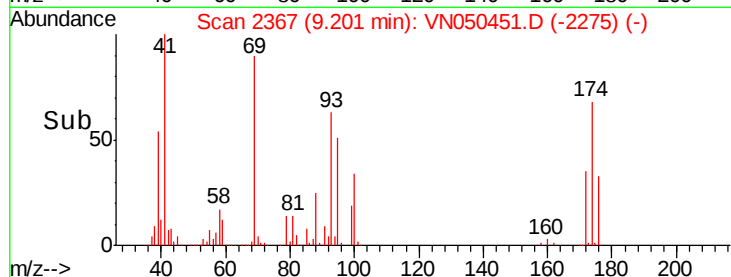
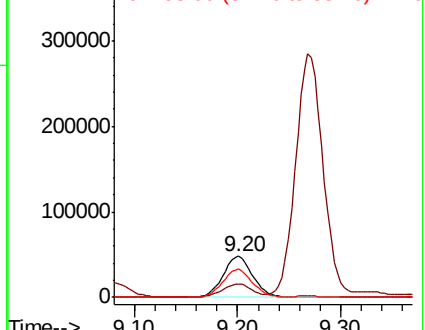
58 67.9 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.33 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050451.D

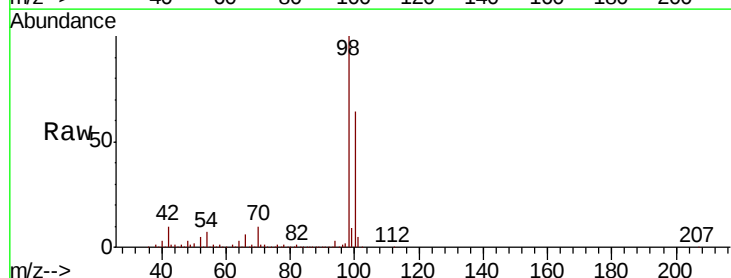
Acq: 8 Aug 2018 11:13

Tgt Ion: 98 Resp: 1669713

Ion Ratio Lower Upper

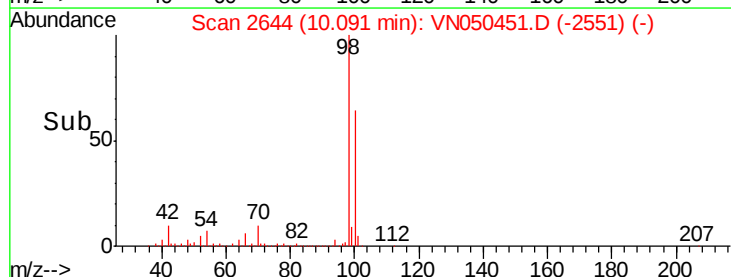
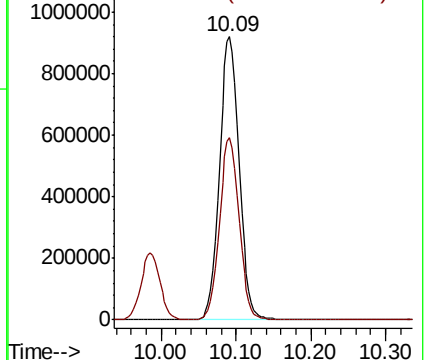
98 100

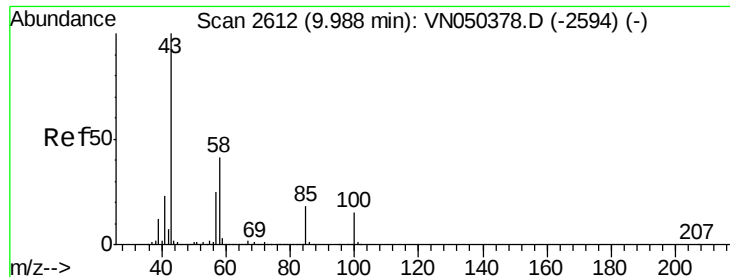
100 64.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 213.15 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

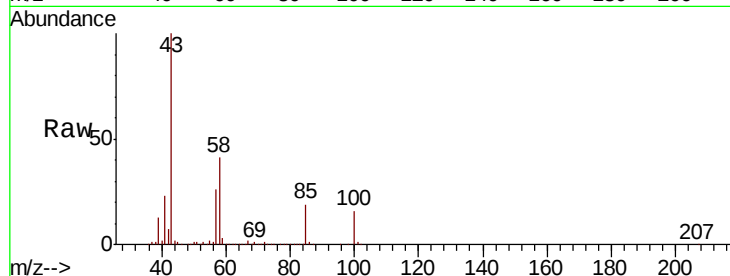
VSTDCCC050

Tot Ion: 43 Resp: 2401383

Ion Ratio Lower Upper

43 100

58 40.8 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2594) (-)

Ion 58.00 (57.70 to 58.70): VN050378.D (-2594) (-)

9.99

1500000

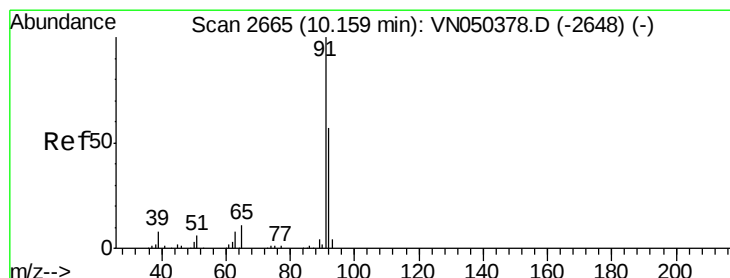
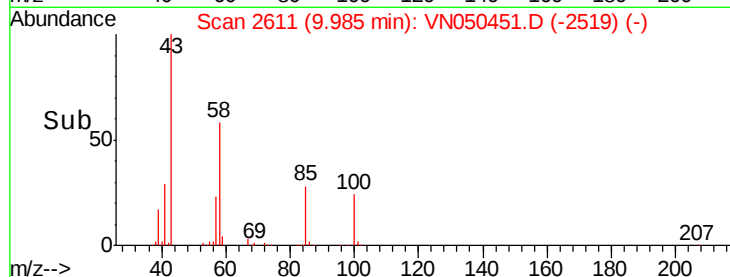
1000000

500000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 50.17 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050451.D

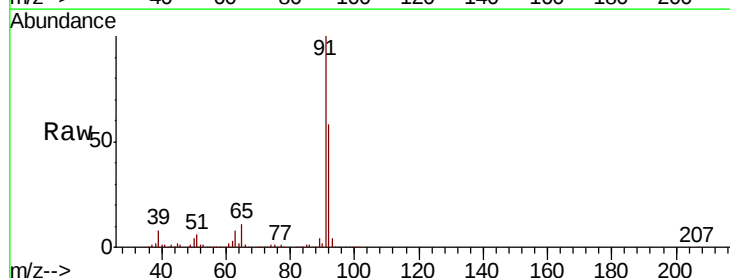
Acq: 8 Aug 2018 11:13

Tgt Ion: 92 Resp: 1165775

Ion Ratio Lower Upper

92 100

91 174.1 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN050378.D (-2648) (-)

Ion 91.00 (90.70 to 91.70): VN050378.D (-2648) (-)

10.16

1200000

1000000

800000

600000

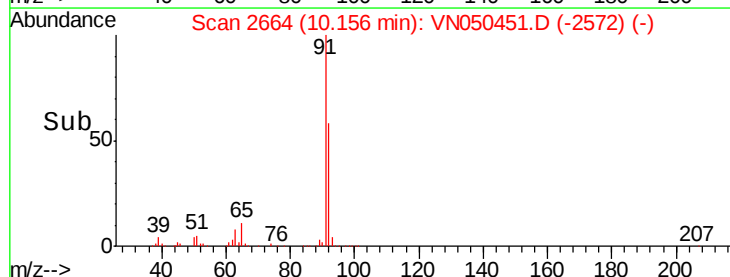
400000

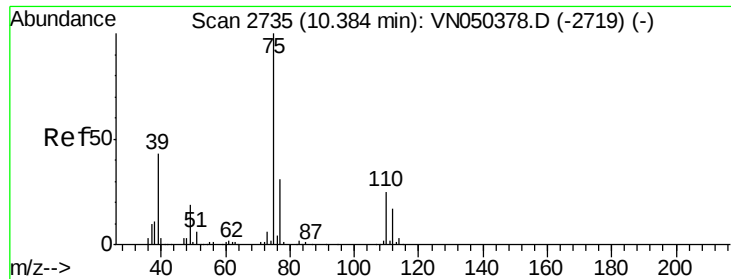
200000

0

10.10 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.50 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

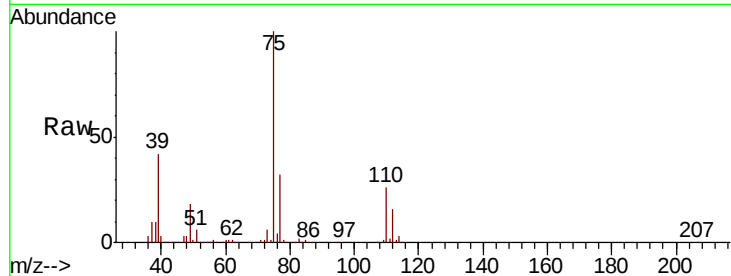
VSTDCCC050

Tot Ion: 75 Resp: 659634

Ion Ratio Lower Upper

75 100

77 31.7 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

400000

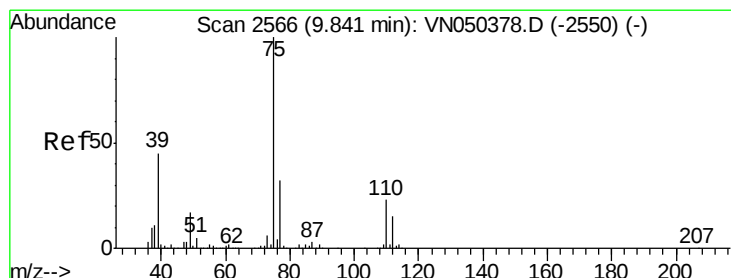
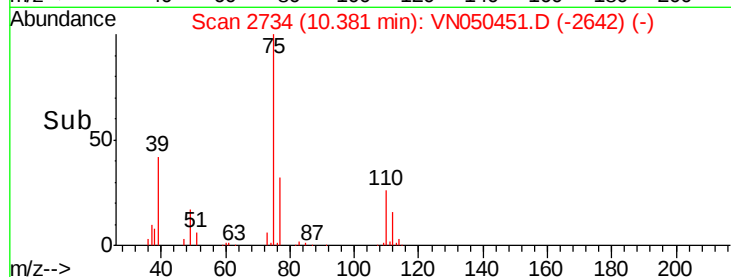
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.52 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

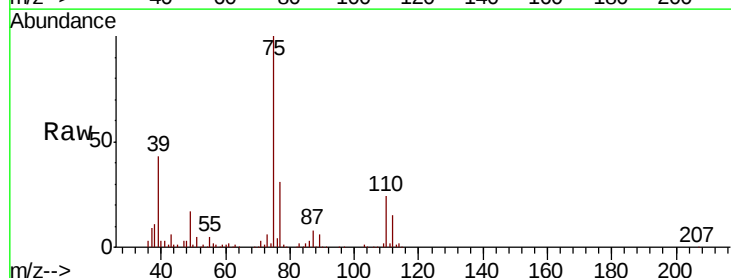
Tgt Ion: 75 Resp: 751050

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

39 43.2 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

500000

400000

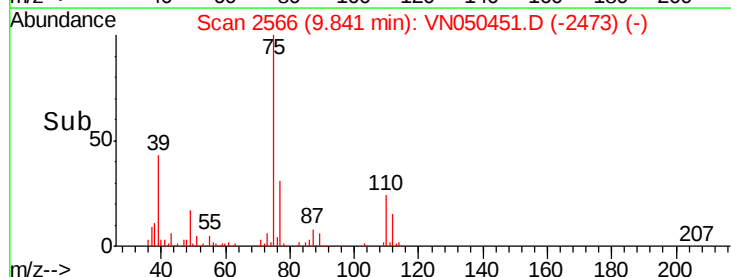
300000

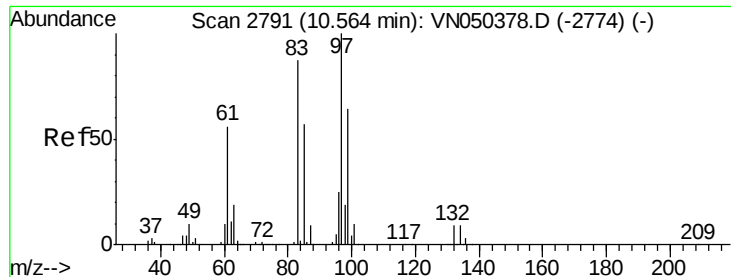
200000

100000

0

Time-->

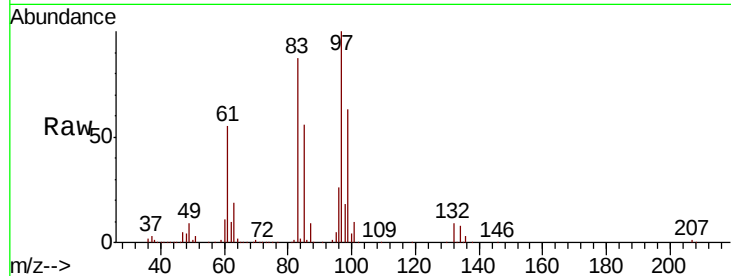




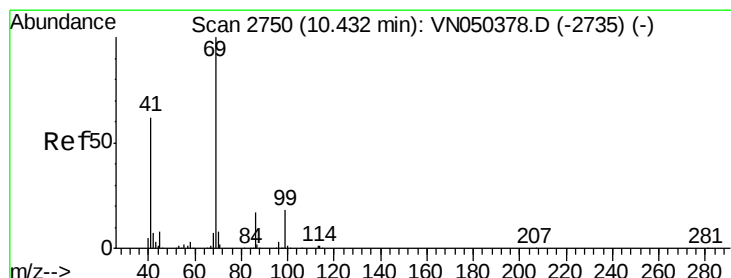
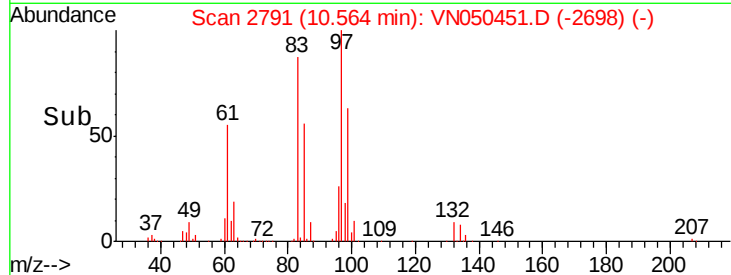
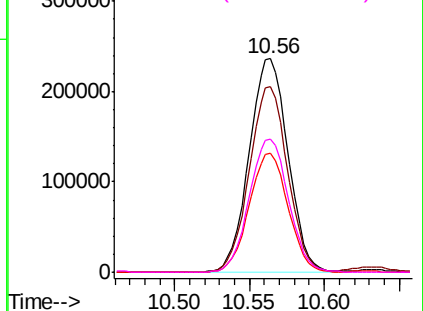
#55
 1,1,2-Trichloroethane
 Concen: 47.13 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050451.D
 Acq: 8 Aug 2018 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	427590
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.2	103.8
85	55.6	44.0	66.0
99	62.5	49.9	74.9

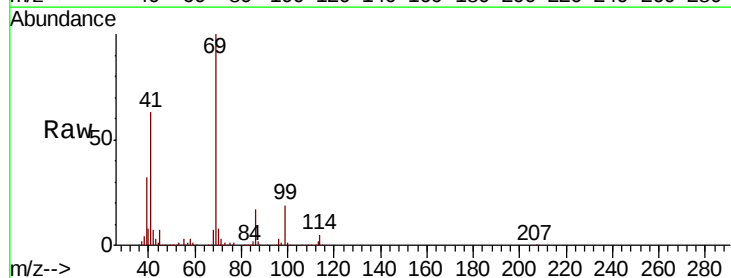


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

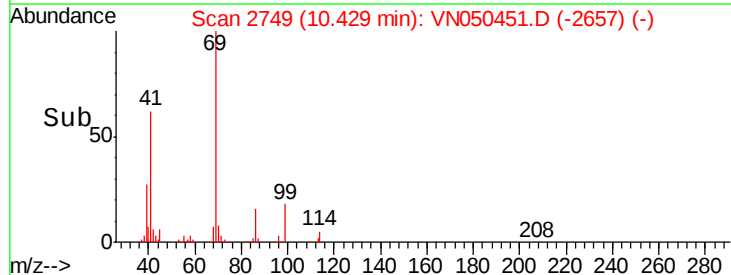
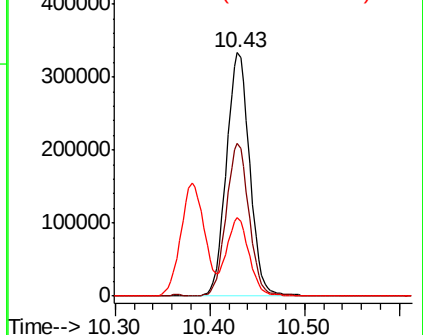


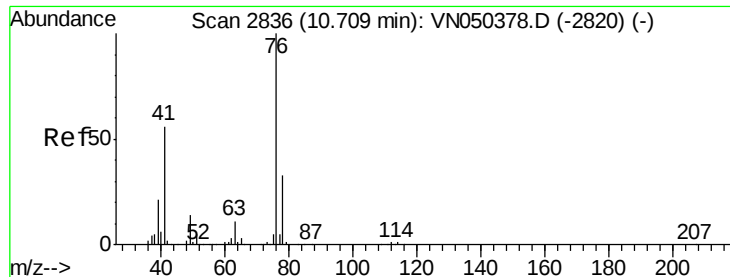
#56
 Ethyl methacrylate
 Concen: 44.63 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050451.D
 Acq: 8 Aug 2018 11:13

Tgt Ion:	69	Resp:	570550
Ion	Ratio	Lower	Upper
69	100		
41	60.9	51.0	76.4
39	31.2	26.6	40.0



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 47.91 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

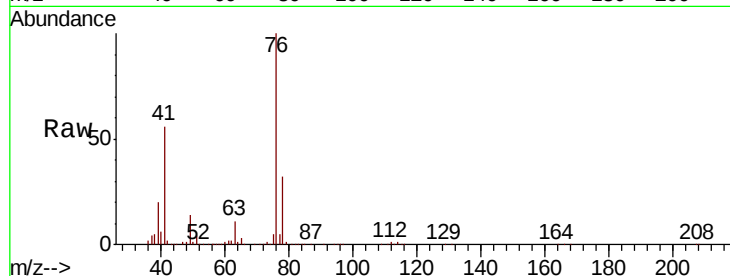
VSTDCCC050

Tot Ion: 76 Resp: 713366

Ion Ratio Lower Upper

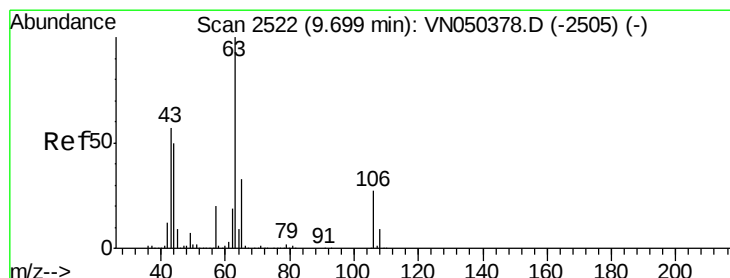
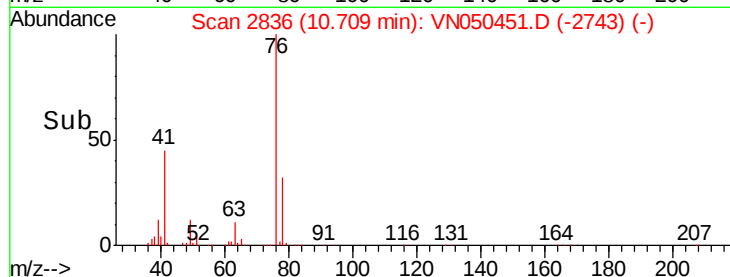
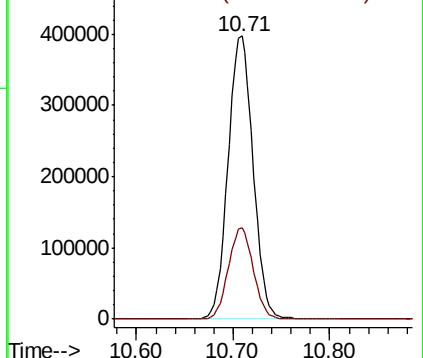
76 100

78 32.3 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 220.03 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050451.D

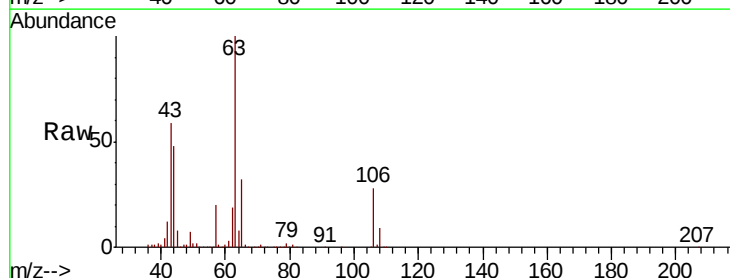
Acq: 8 Aug 2018 11:13

Tgt Ion: 63 Resp: 1311250

Ion Ratio Lower Upper

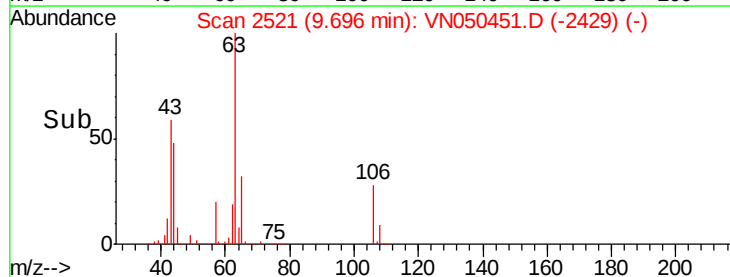
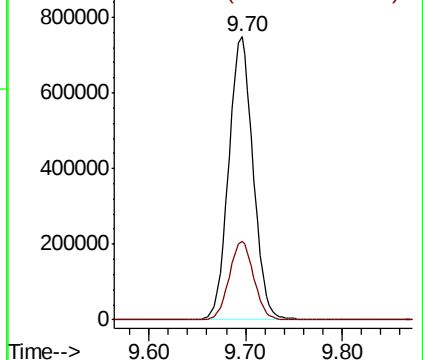
63 100

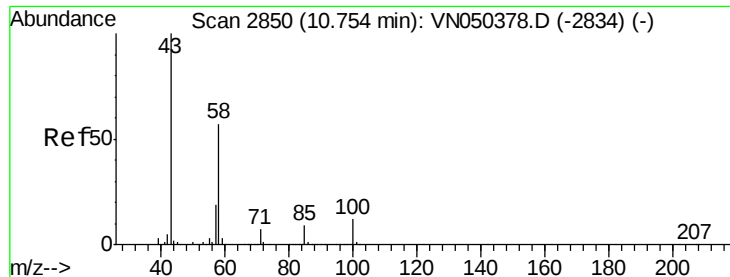
106 28.0 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

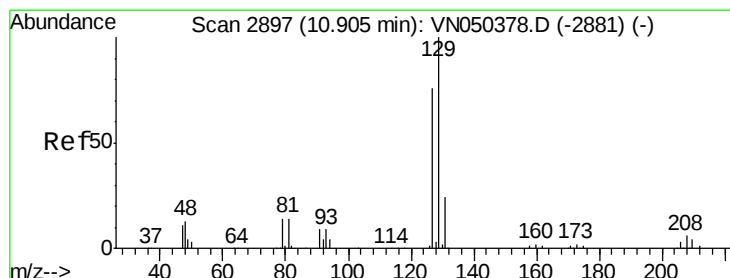
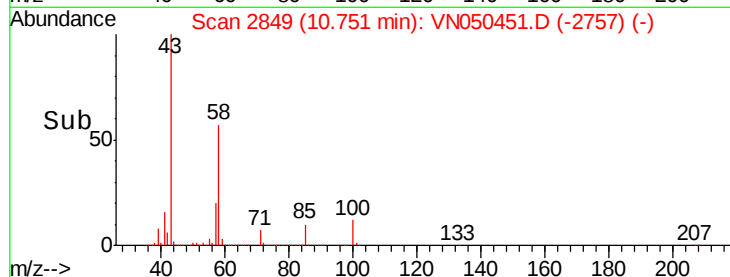
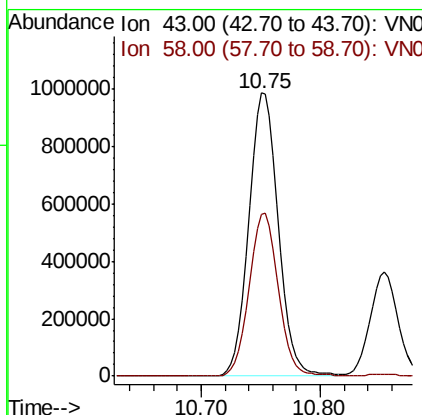
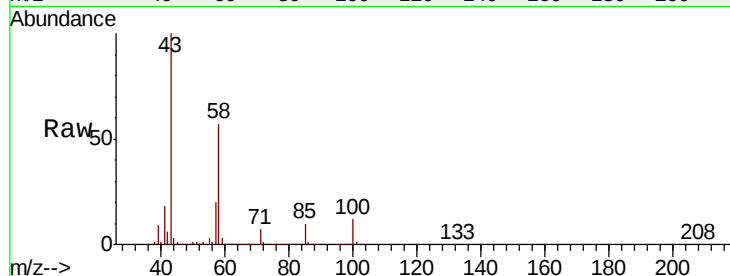




#59
2-Hexanone
Concen: 215.32 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

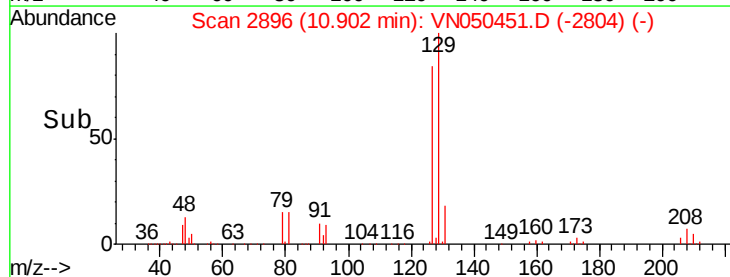
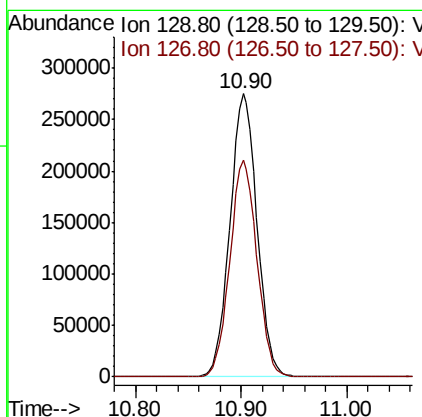
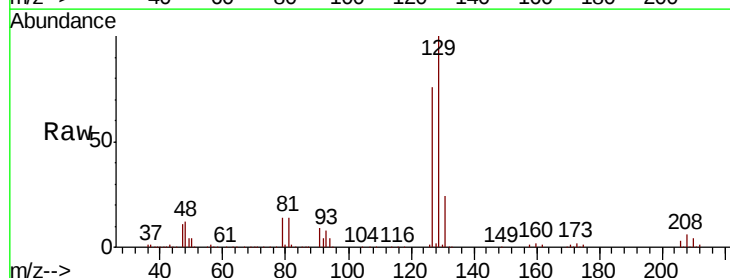
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

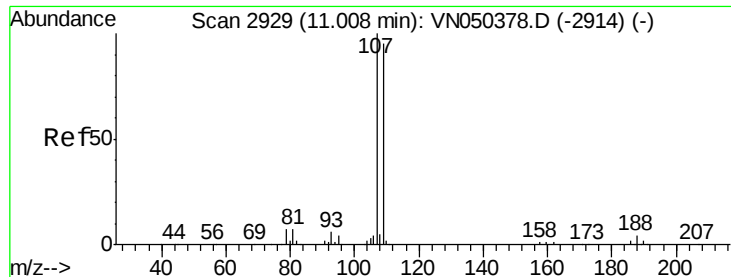
Tot Ion: 43 Resp: 1692929
Ion Ratio Lower Upper
43 100
58 57.0 27.6 82.7



#60
Dibromochloromethane
Concen: 48.73 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

Tgt Ion: 129 Resp: 487001
Ion Ratio Lower Upper
129 100
127 76.8 38.0 113.9

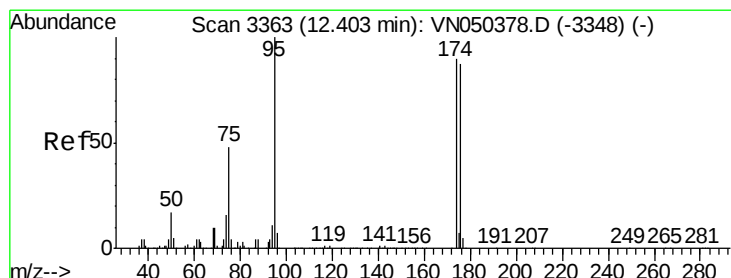
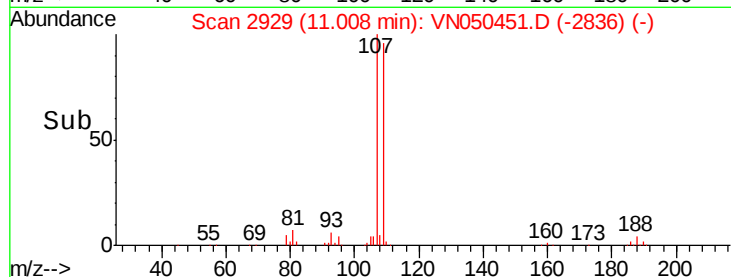
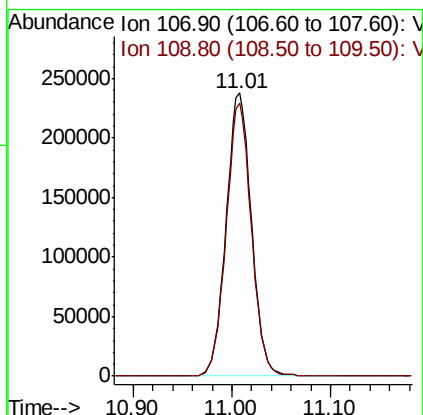
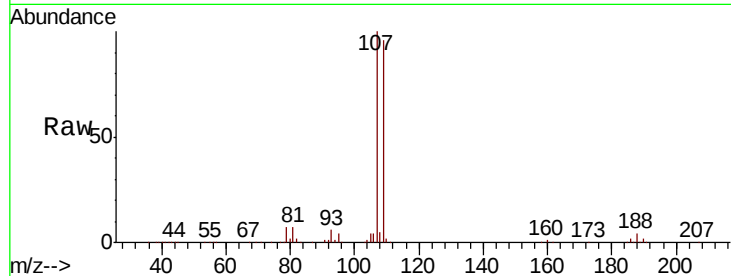




#61
1,2-Dibromoethane
Concen: 47.83 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

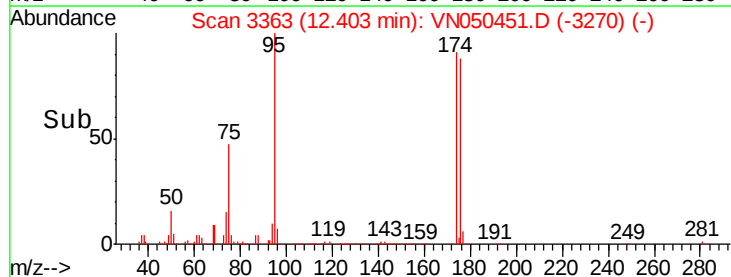
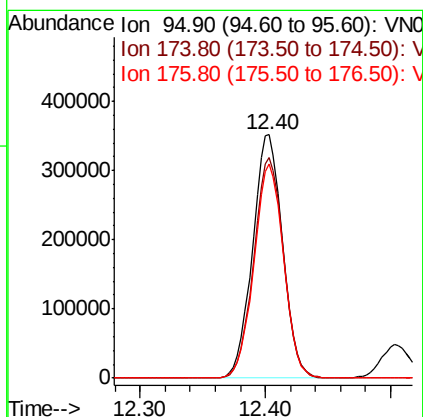
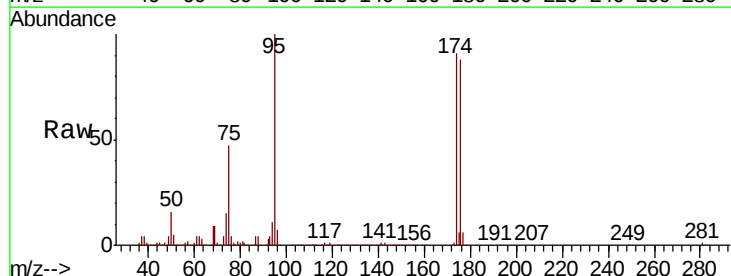
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

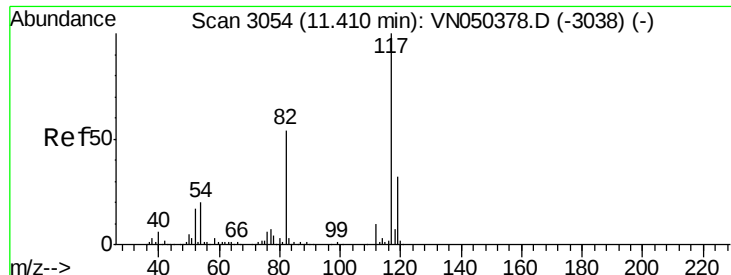
Tot Ion:107 Resp: 427717
Ion Ratio Lower Upper
107 100
109 95.9 74.6 112.0



#62
4-Bromofluorobenzene
Concen: 49.40 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

Tgt Ion: 95 Resp: 581754
Ion Ratio Lower Upper
95 100
174 90.7 0.0 178.2
176 87.2 0.0 173.4

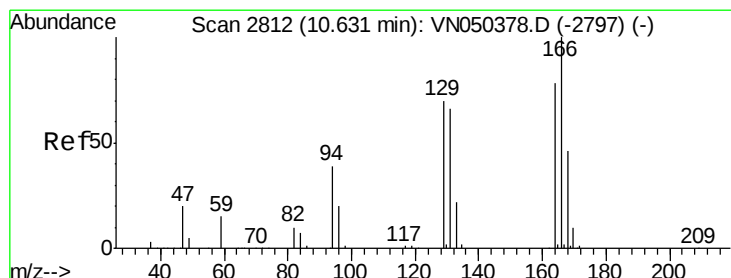
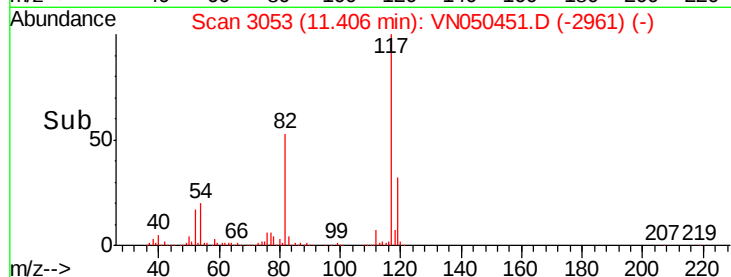
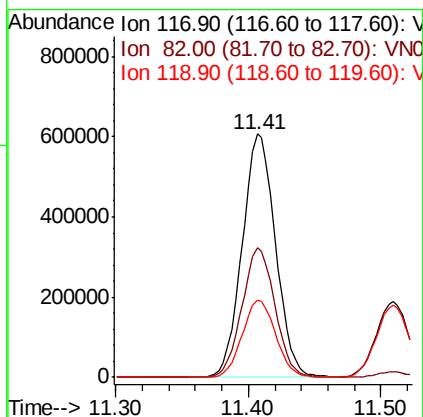
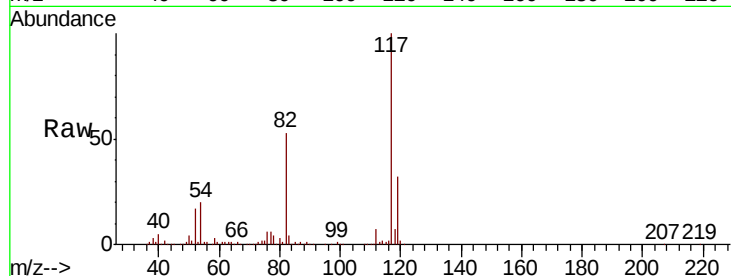




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

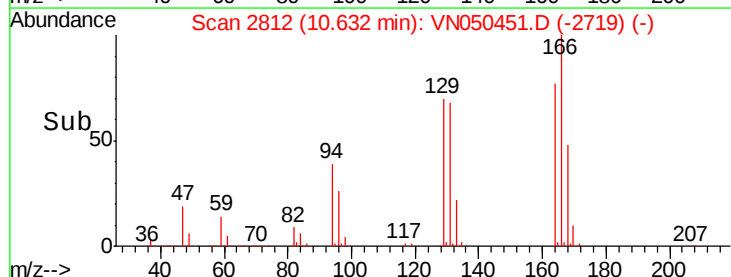
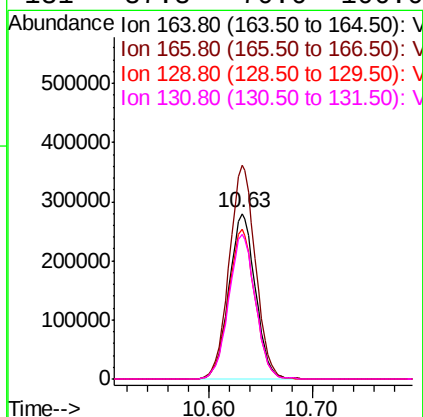
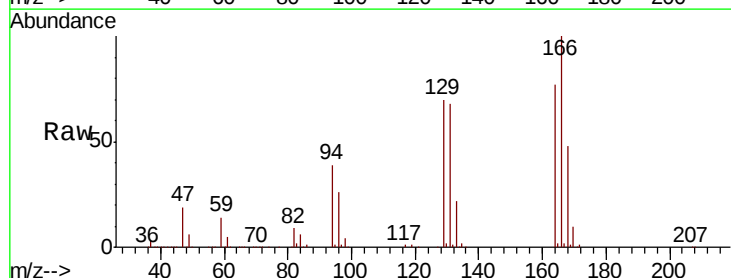
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

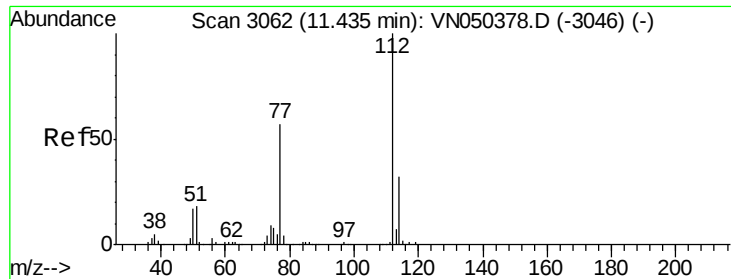
Tot Ion:117 Resp: 1058587
Ion Ratio Lower Upper
117 100
82 53.0 43.7 65.5
119 31.9 26.1 39.1



#64
Tetrachloroethene
Concen: 50.39 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

Tgt Ion:164 Resp: 498406
Ion Ratio Lower Upper
164 100
166 129.3 102.1 153.1
129 90.9 73.2 109.8
131 87.8 70.6 106.0

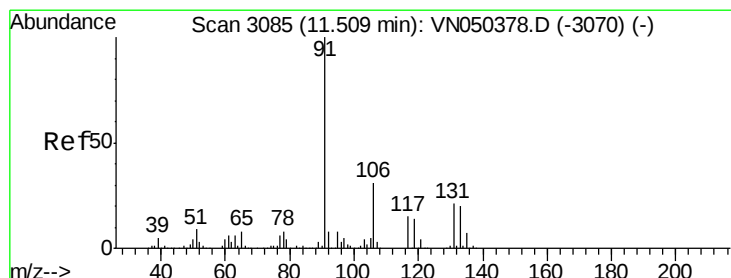
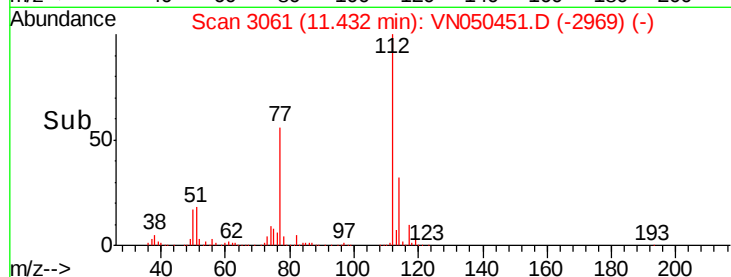
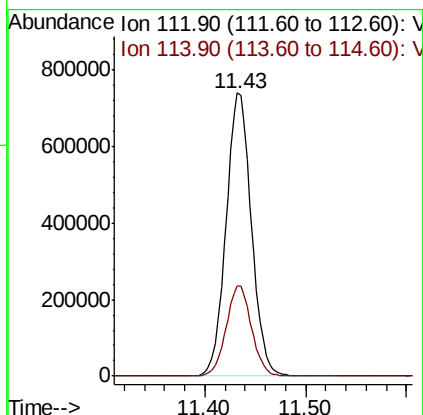
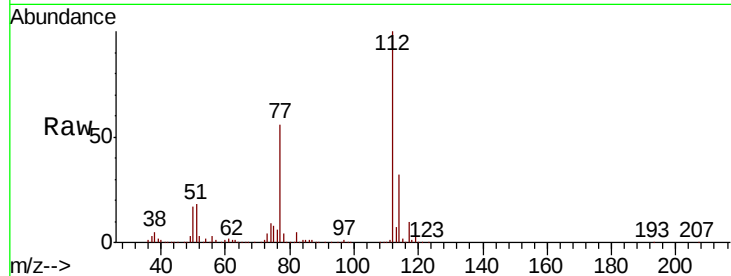




#65
Chlorobenzene
Concen: 48.73 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

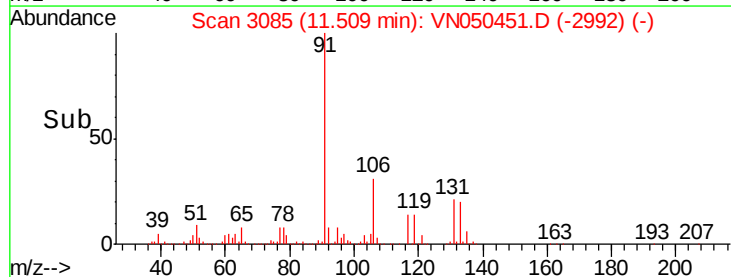
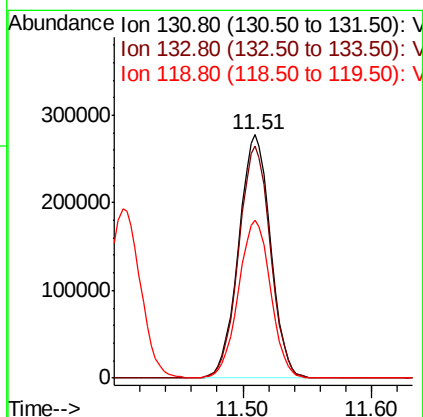
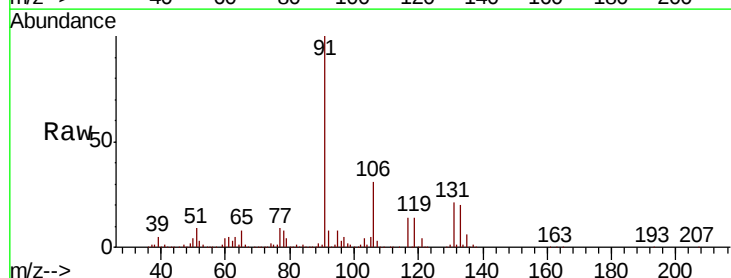
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

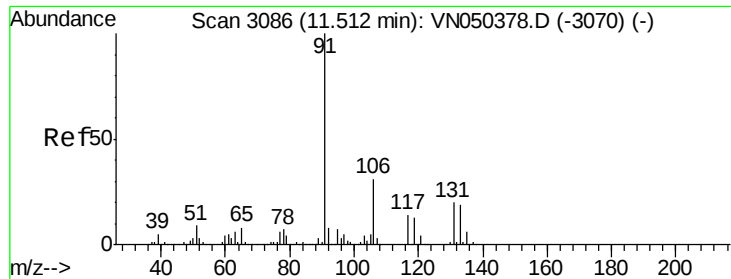
Tot Ion:112 Resp: 1293264
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.42 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

Tgt Ion:131 Resp: 477370
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.9
119 65.5 32.9 98.7





#67

Ethyl Benzene

Concen: 51.39 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

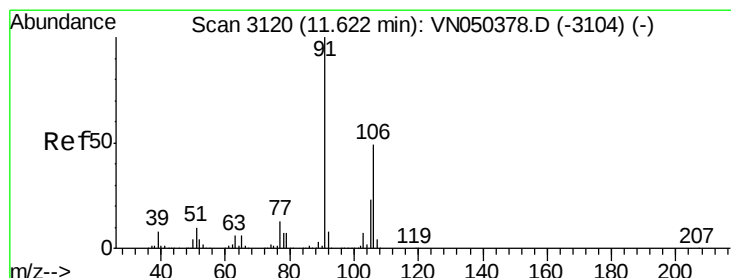
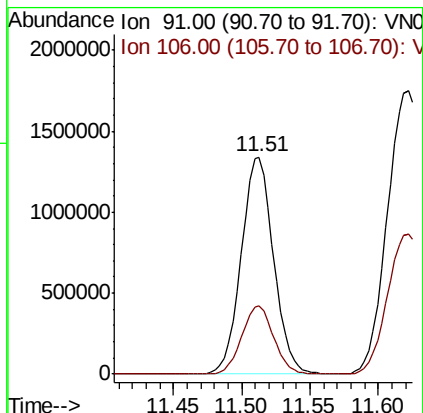
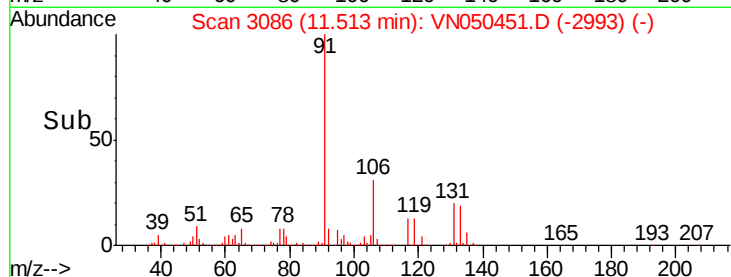
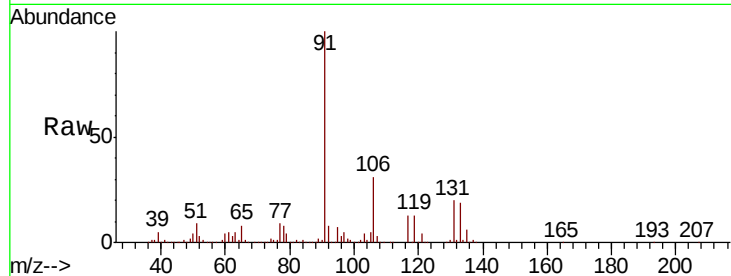
VSTDCCC050

Tot Ion: 91 Resp: 2204492

Ion Ratio Lower Upper

91 100

106 31.3 25.0 37.4



#68

m/p-Xylenes

Concen: 103.73 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050451.D

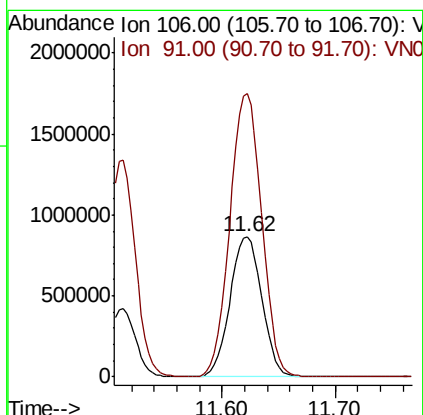
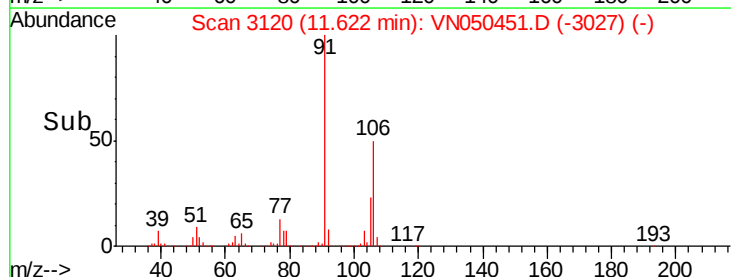
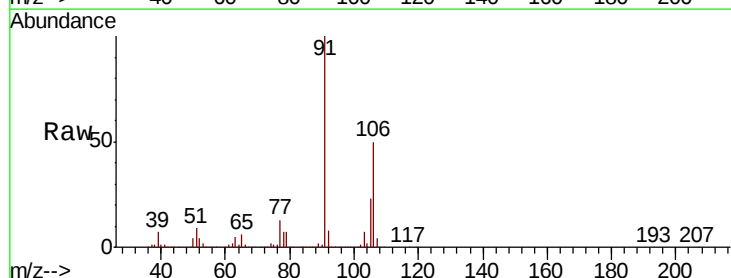
Acq: 8 Aug 2018 11:13

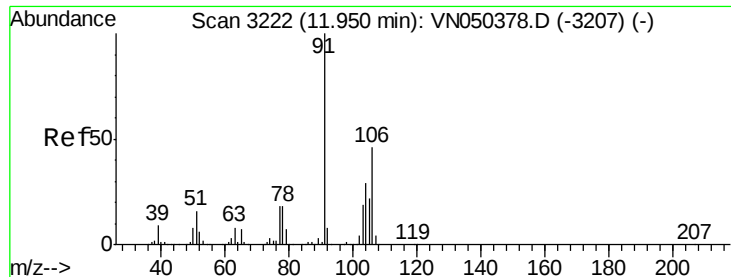
Tgt Ion:106 Resp: 1694038

Ion Ratio Lower Upper

106 100

91 202.2 162.2 243.2

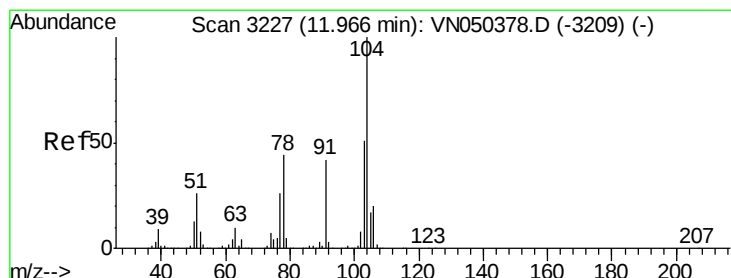
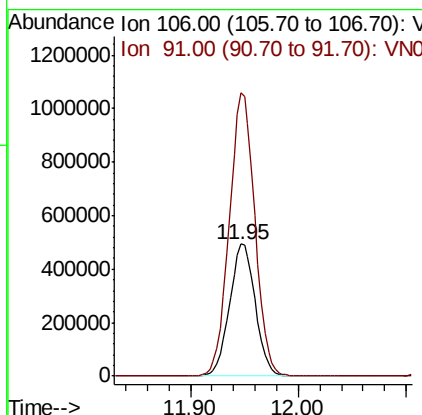
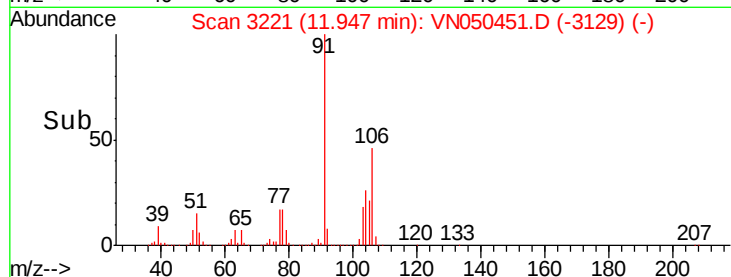
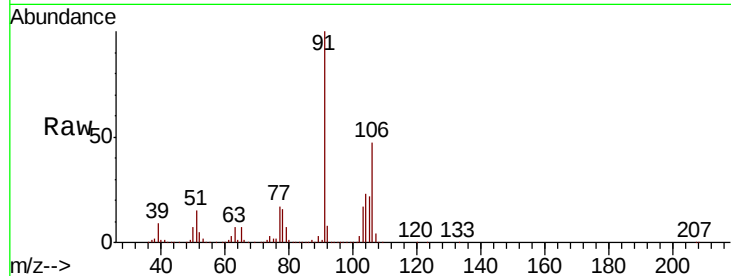




#69
o-Xylene
Concen: 52.15 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

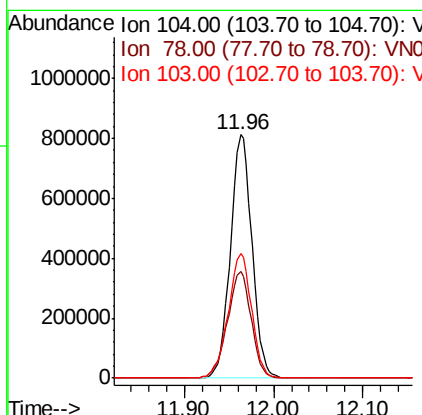
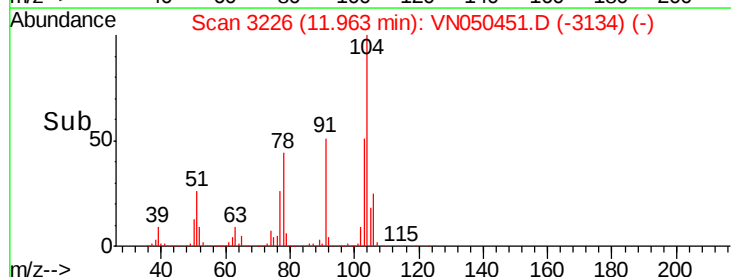
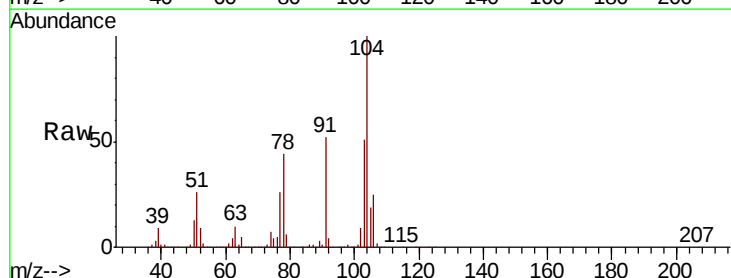
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

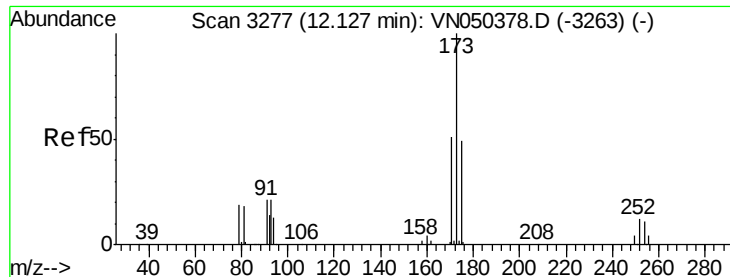
Tot Ion:106 Resp: 820471
Ion Ratio Lower Upper
106 100
91 213.1 107.7 323.1



#70
Styrene
Concen: 53.15 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

Tgt Ion:104 Resp: 1359802
Ion Ratio Lower Upper
104 100
78 48.2 39.3 58.9
103 55.3 45.0 67.6





#71

Bromoform

Concen: 47.71 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

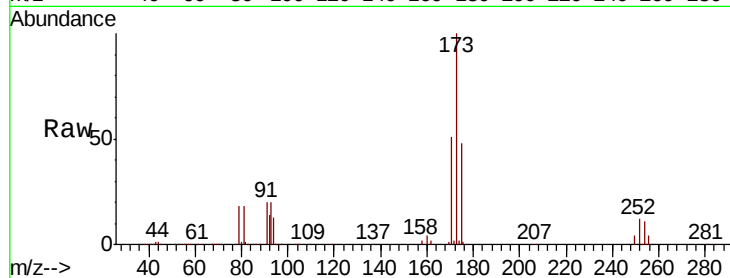
Tot Ion:173 Resp: 336810

Ion Ratio Lower Upper

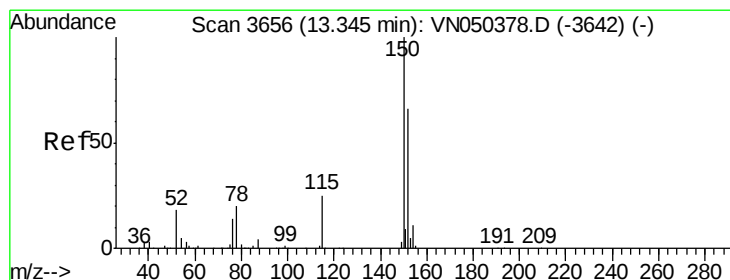
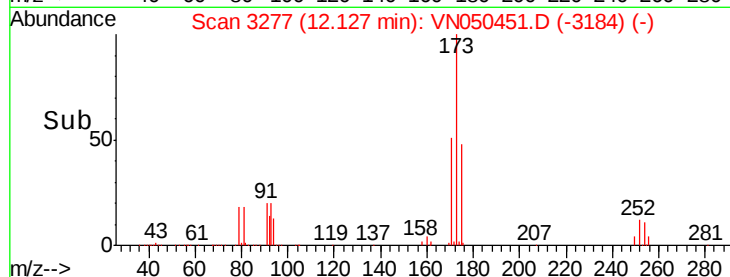
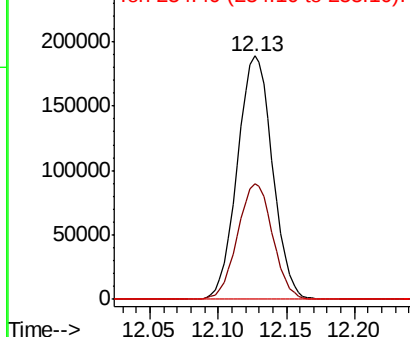
173 100

175 47.7 24.1 72.2

254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

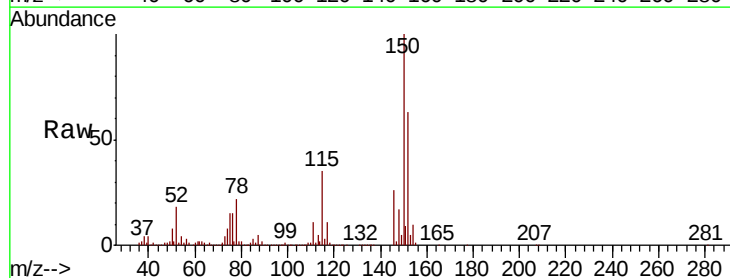
Tgt Ion:152 Resp: 547823

Ion Ratio Lower Upper

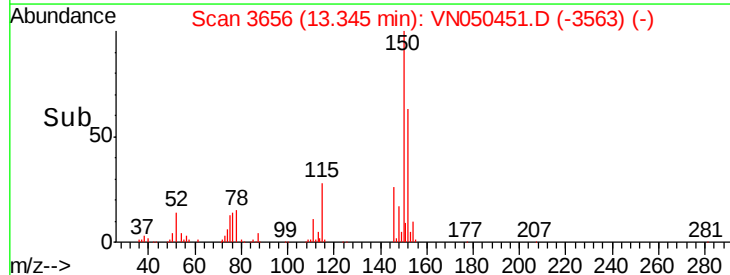
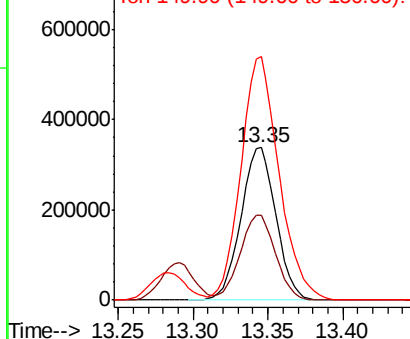
152 100

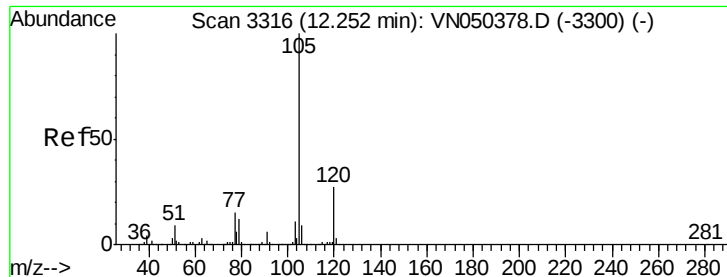
115 56.3 27.8 83.3

150 174.4 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.25 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

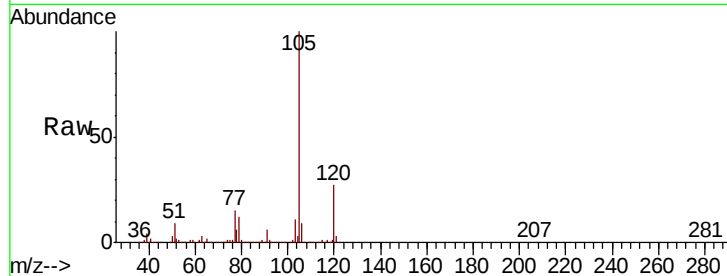
VSTDCCC050

Tot Ion:105 Resp: 2148568

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

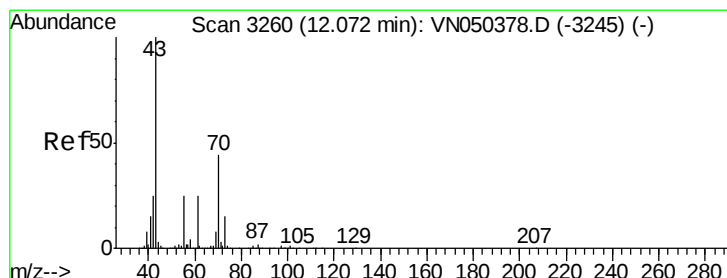
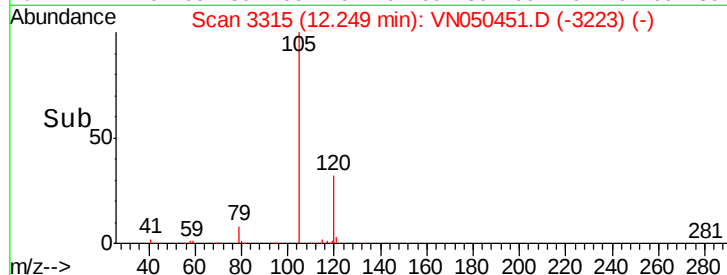
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 46.65 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Tgt Ion: 43 Resp: 621797

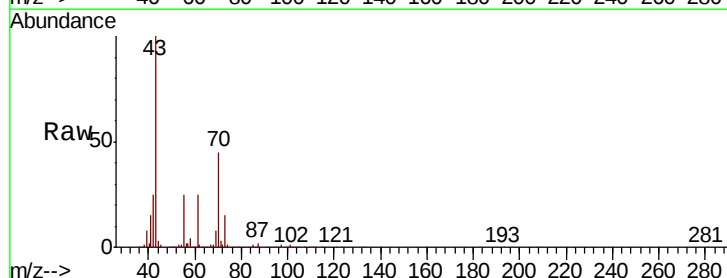
Ion Ratio Lower Upper

43 100

70 45.3 34.4 51.6

55 25.4 20.8 31.2

61 25.9 19.7 29.5



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

600000

500000

400000

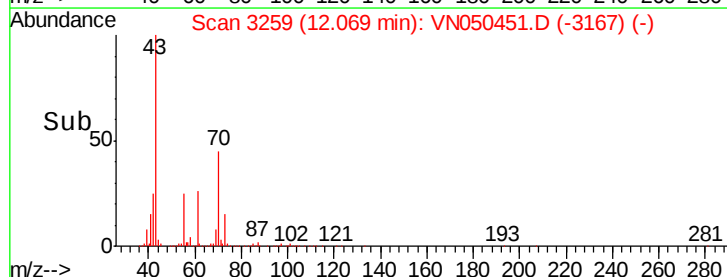
300000

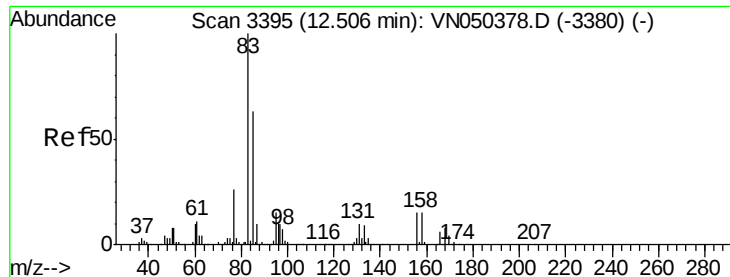
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 43.79 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

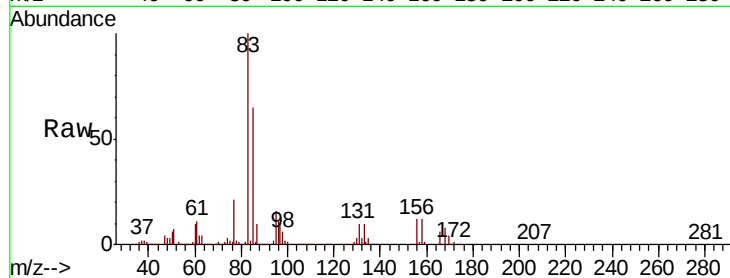
Tot Ion: 83 Resp: 519598

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.3

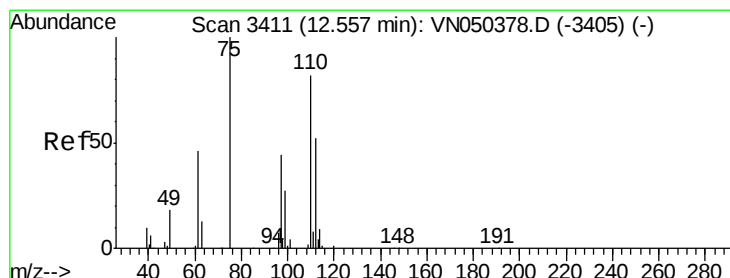
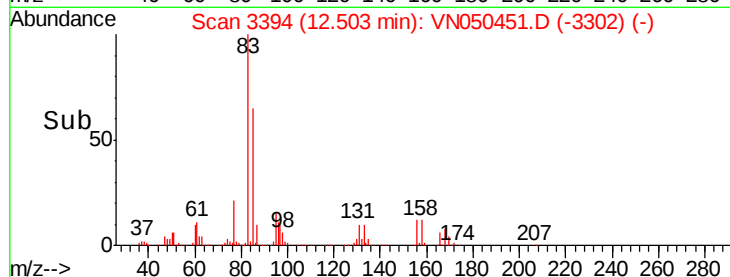
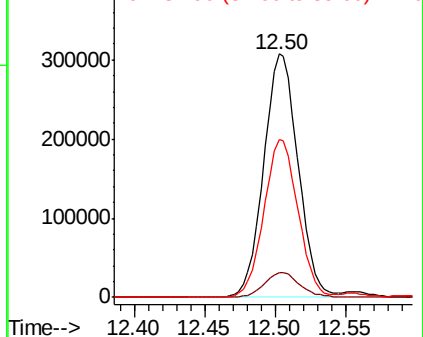
85 64.4 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN050378.D (-3380) (-)

Ion 130.80 (130.50 to 131.50): VN050378.D (-3380) (-)

Ion 84.90 (84.60 to 85.60): VN050378.D (-3380) (-)



#76

1,2,3-Trichloropropane

Concen: 64.52 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050451.D

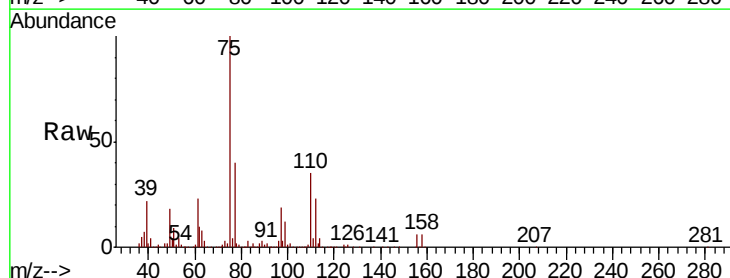
Acq: 8 Aug 2018 11:13

Tgt Ion: 75 Resp: 639773

Ion Ratio Lower Upper

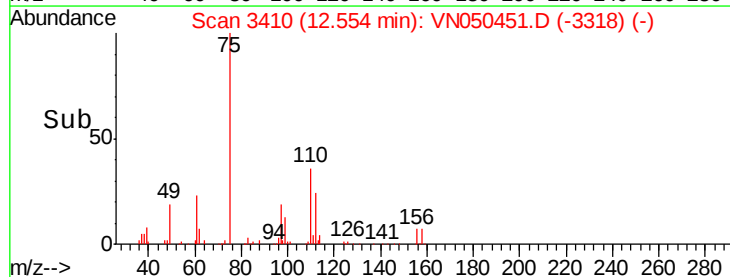
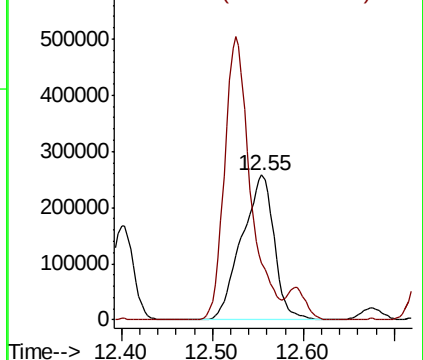
75 100

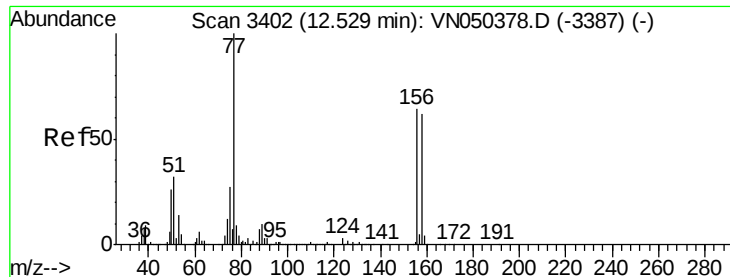
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050378.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN050378.D (-3405) (-)





#77

Bromobenzene

Concen: 51.13 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

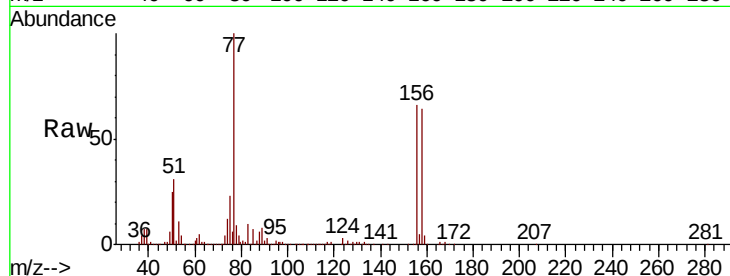
Tot Ion:156 Resp: 563249

Ion Ratio Lower Upper

156 100

77 177.8 91.7 275.1

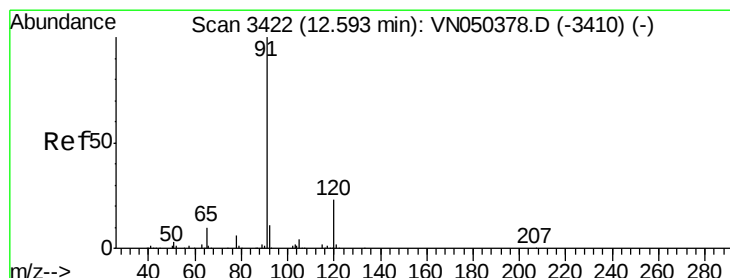
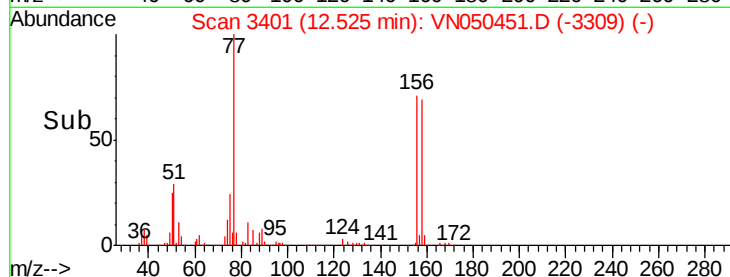
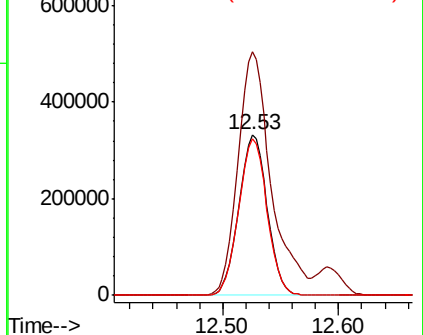
158 97.6 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.99 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050451.D

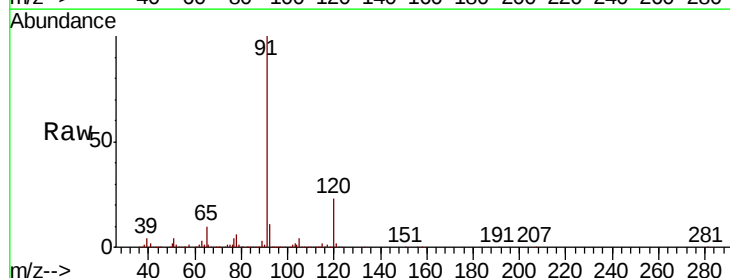
Acq: 8 Aug 2018 11:13

Tgt Ion: 91 Resp: 2420255

Ion Ratio Lower Upper

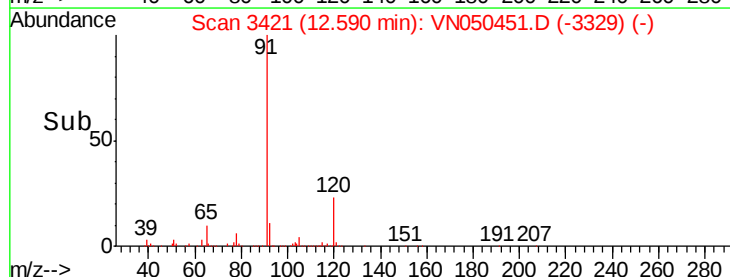
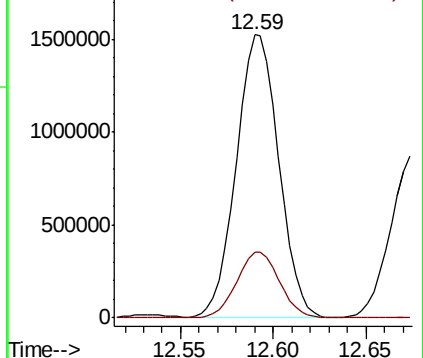
91 100

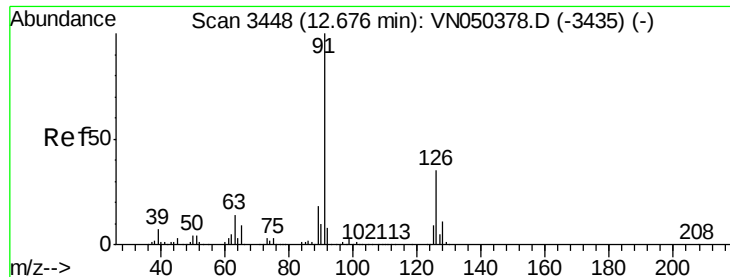
120 23.3 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.65 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

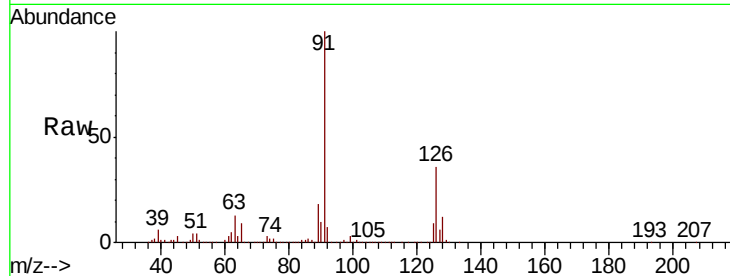
VSTDCCC050

Tot Ion: 91 Resp: 1456053

Ion Ratio Lower Upper

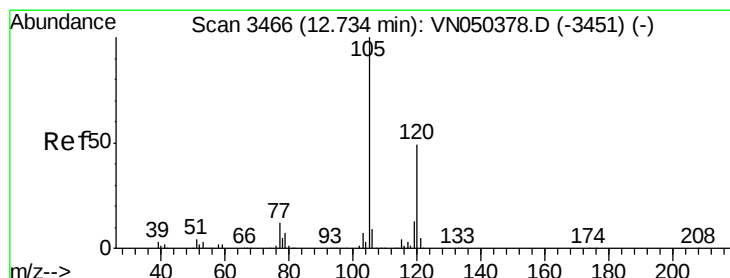
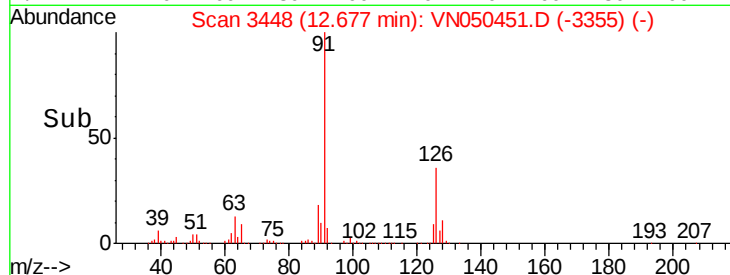
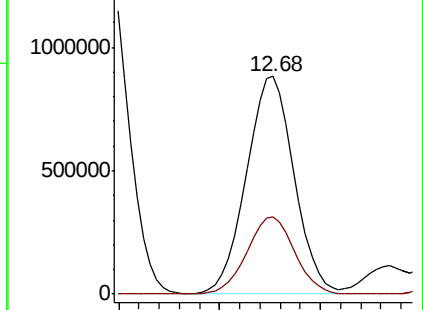
91 100

126 35.6 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050378.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.60 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050451.D

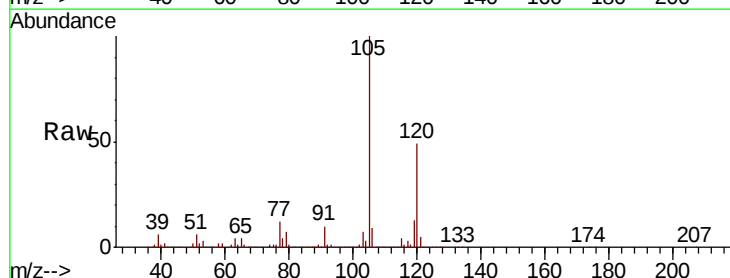
Acq: 8 Aug 2018 11:13

Tgt Ion: 105 Resp: 1755818

Ion Ratio Lower Upper

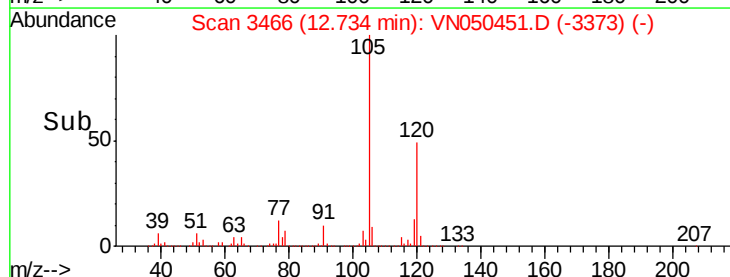
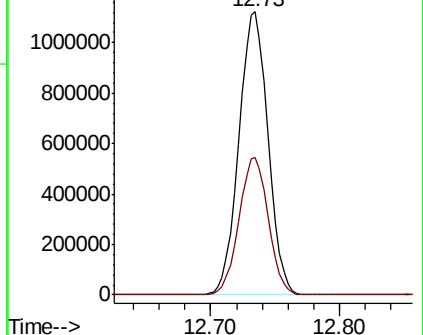
105 100

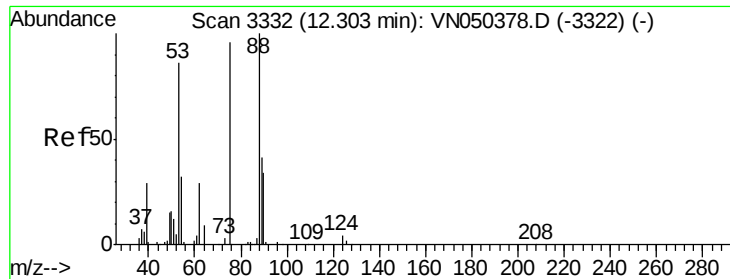
120 48.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050378.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN050378.D (-3451) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.97 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

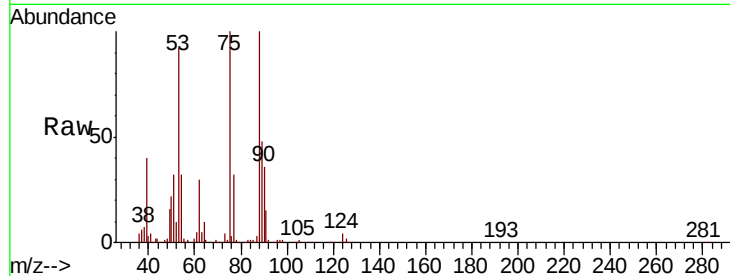
Tot Ion: 75 Resp: 138204

Ion Ratio Lower Upper

75 100

53 89.7 73.5 110.3

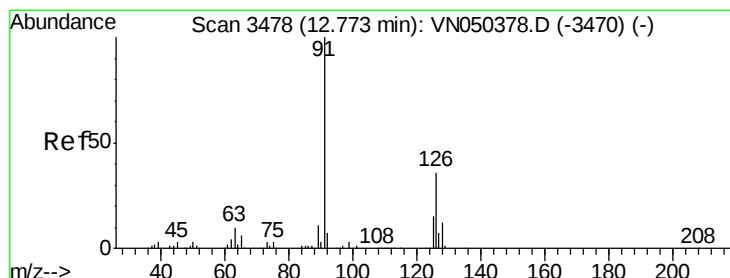
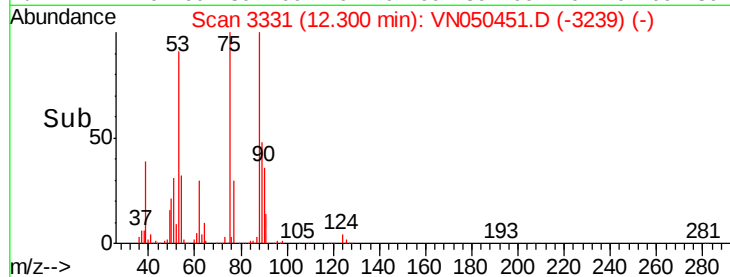
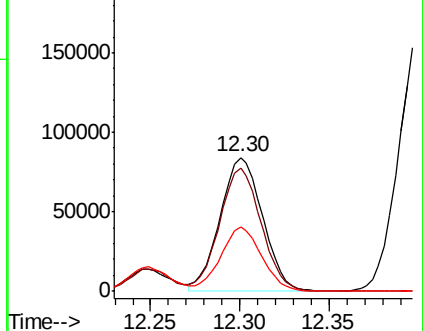
89 47.1 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 51.90 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050451.D

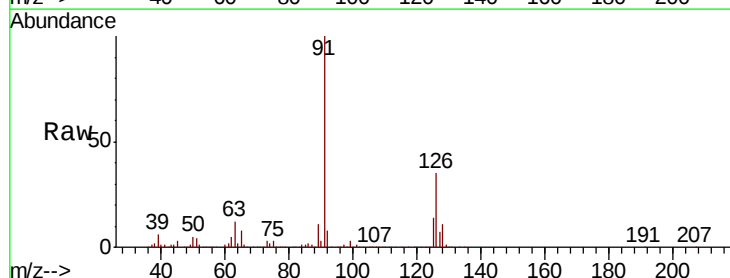
Acq: 8 Aug 2018 11:13

Tgt Ion: 91 Resp: 1487855

Ion Ratio Lower Upper

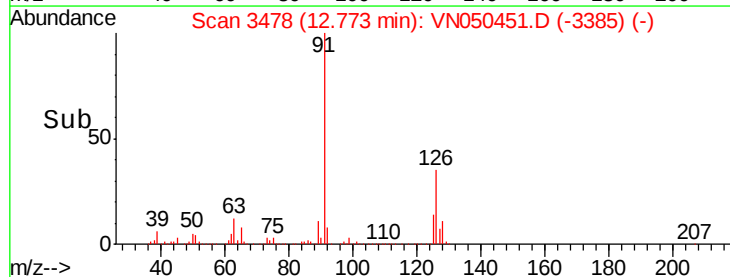
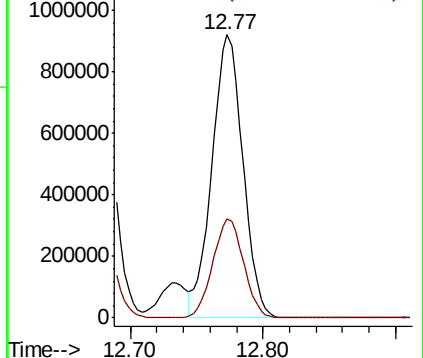
91 100

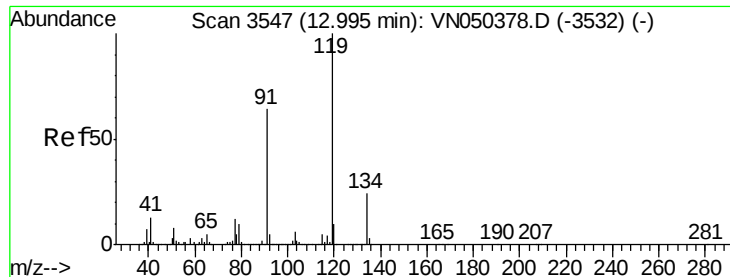
126 34.9 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 50.84 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

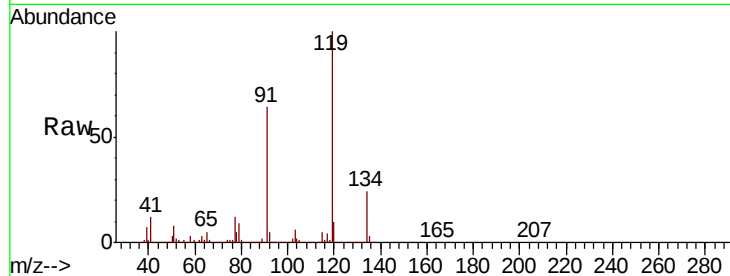
Tot Ion:119 Resp: 1480618

Ion Ratio Lower Upper

119 100

91 63.3 32.1 96.3

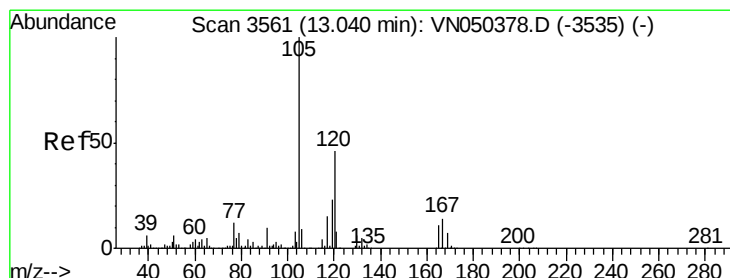
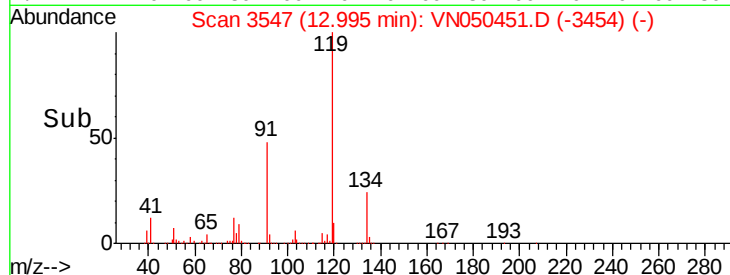
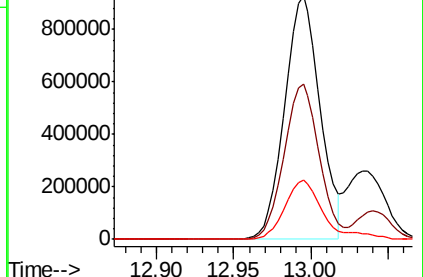
134 24.6 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.03 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN050451.D

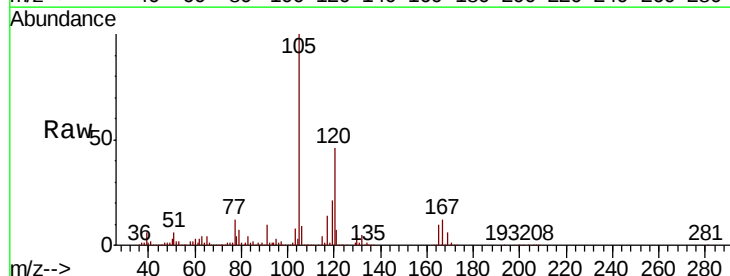
Acq: 8 Aug 2018 11:13

Tgt Ion:105 Resp: 1793157

Ion Ratio Lower Upper

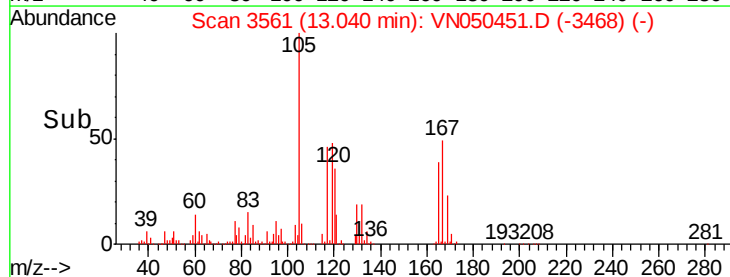
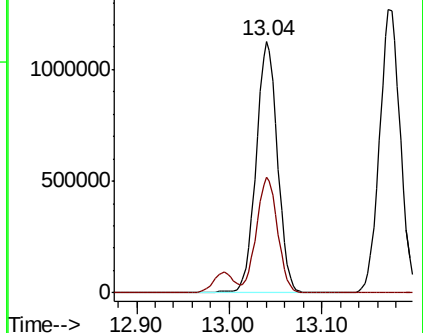
105 100

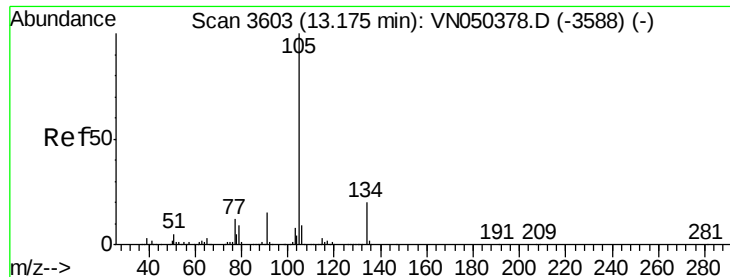
120 45.9 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.57 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

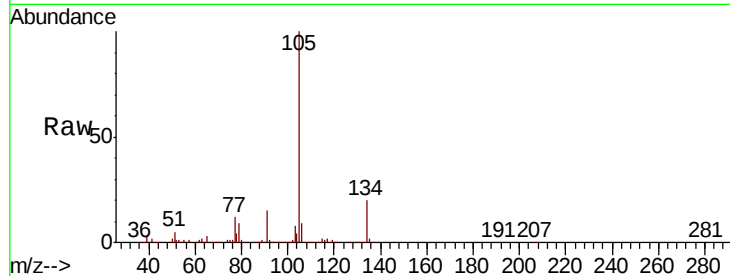
VSTDCCC050

Tot Ion:105 Resp: 1963008

Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1500000

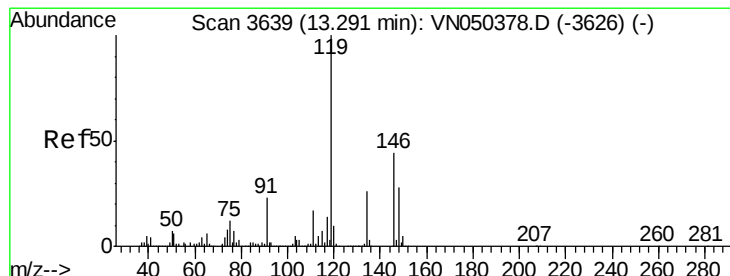
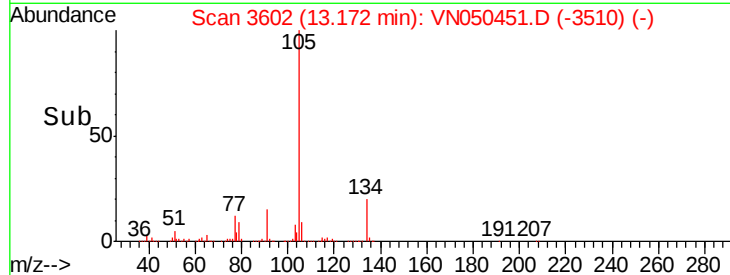
1000000

500000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 52.35 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

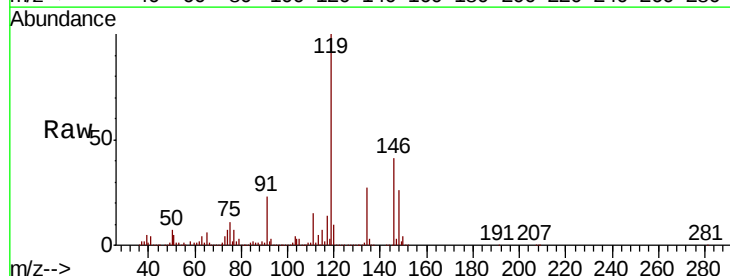
Tgt Ion:119 Resp: 1741219

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 22.5 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1500000

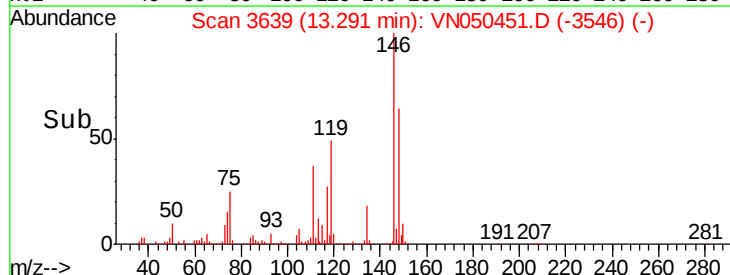
1000000

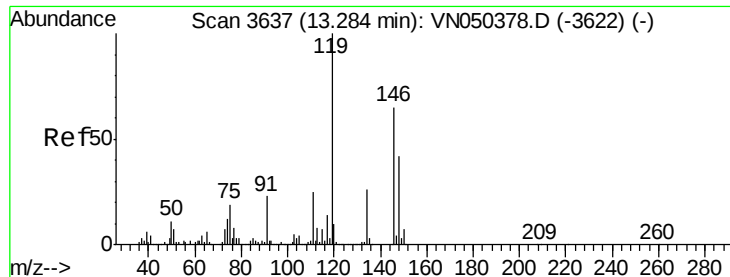
500000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.88 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

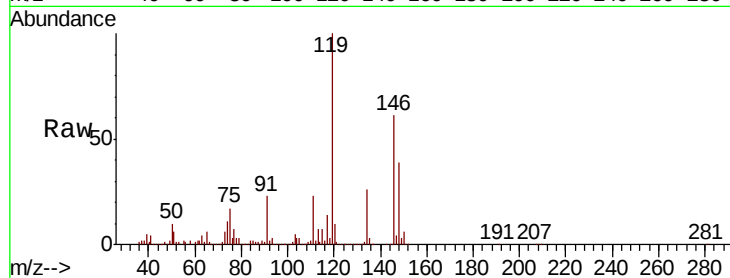
Tot Ion:146 Resp: 978801

Ion Ratio Lower Upper

146 100

111 38.1 18.8 56.4

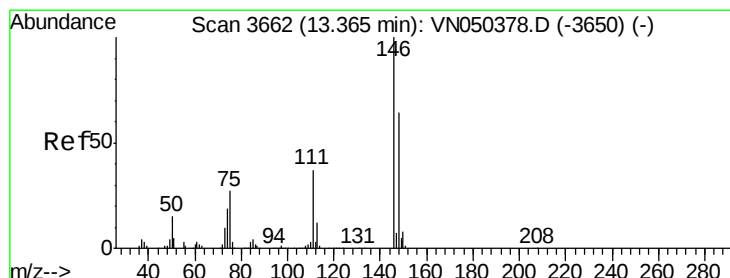
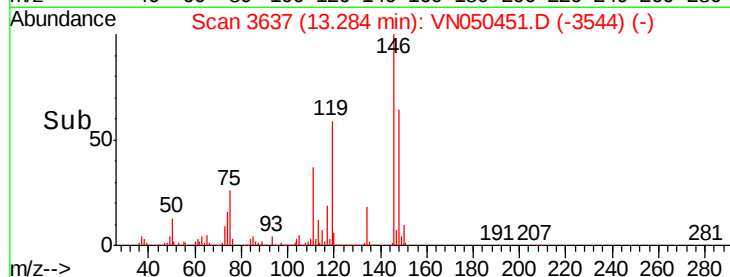
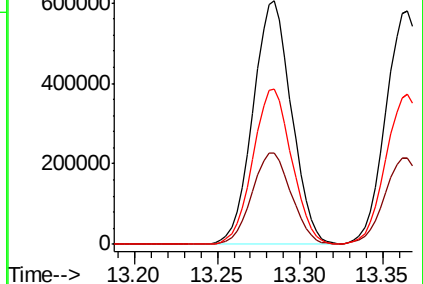
148 64.1 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.10 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

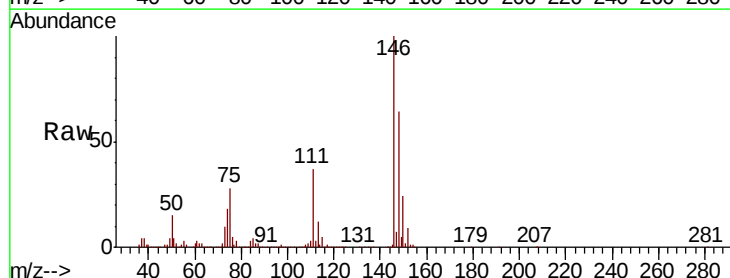
Tgt Ion:146 Resp: 962107

Ion Ratio Lower Upper

146 100

111 37.3 18.3 54.9

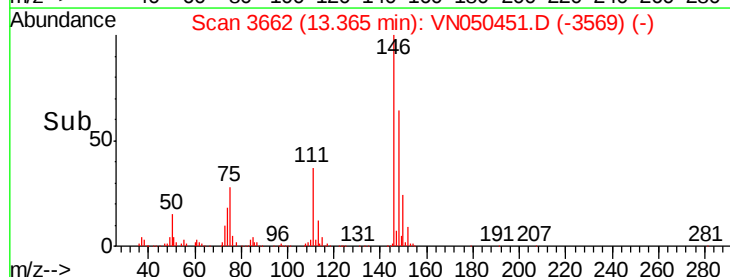
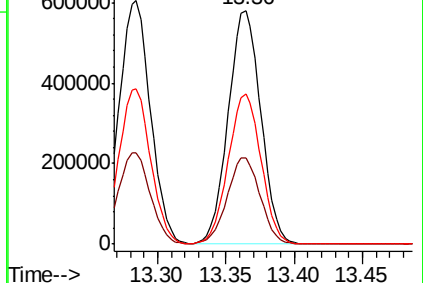
148 64.6 31.9 95.9

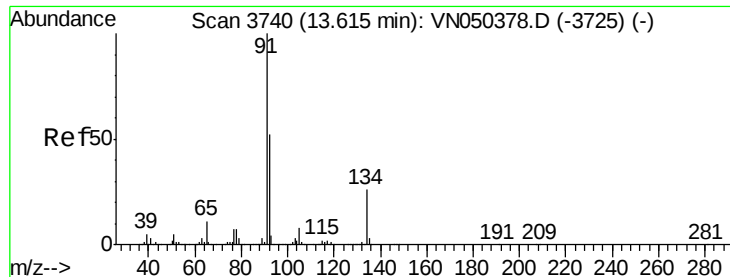


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

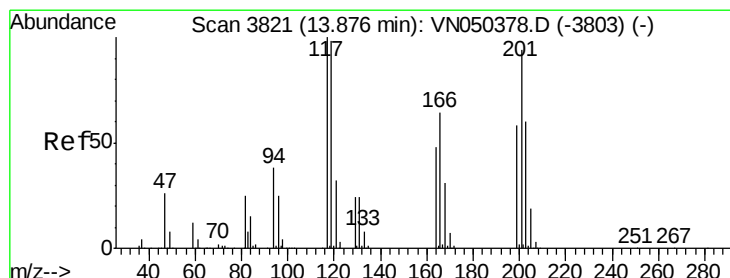
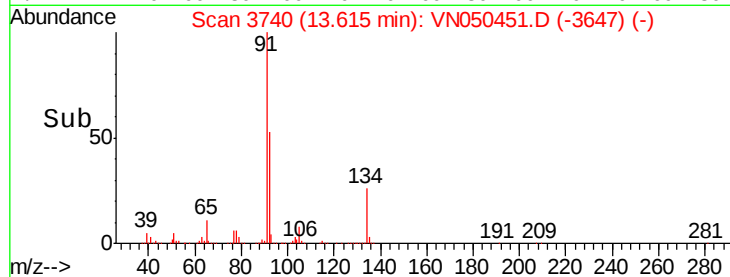
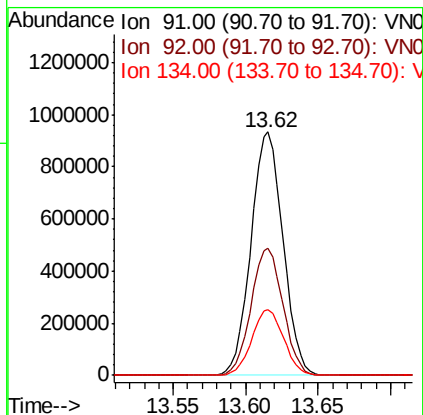
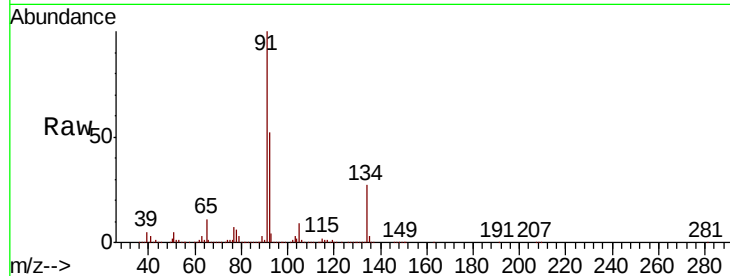




#89
n-Butylbenzene
Concen: 50.64 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

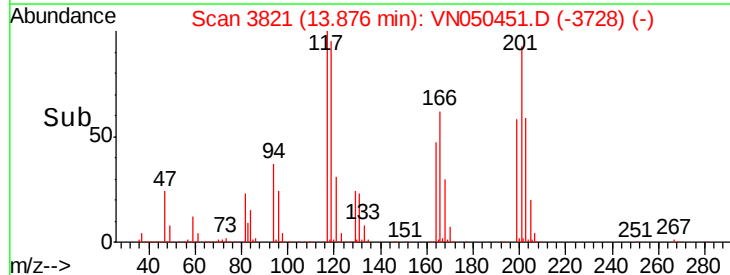
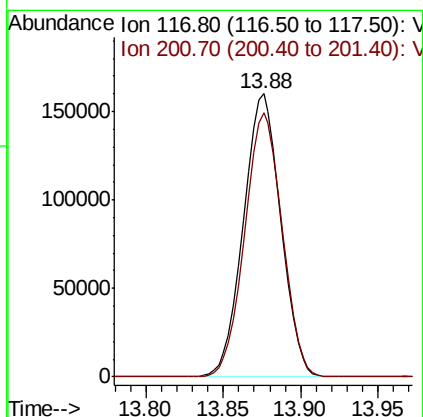
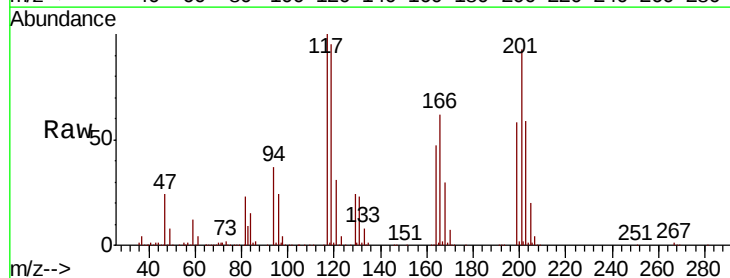
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

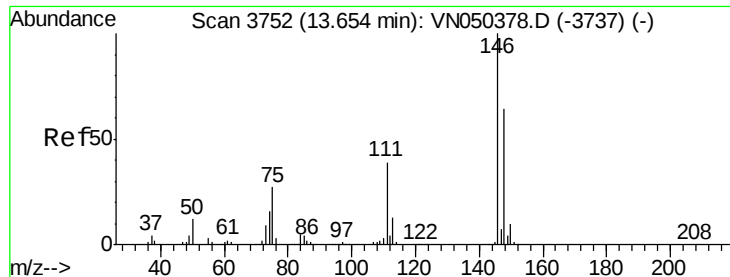
Tot Ion: 91 Resp: 1434066
Ion Ratio Lower Upper
91 100
92 52.1 25.8 77.4
134 26.9 12.8 38.4



#90
Hexachloroethane
Concen: 45.37 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050451.D
Acq: 8 Aug 2018 11:13

Tgt Ion: 117 Resp: 268386
Ion Ratio Lower Upper
117 100
201 93.7 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 48.50 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

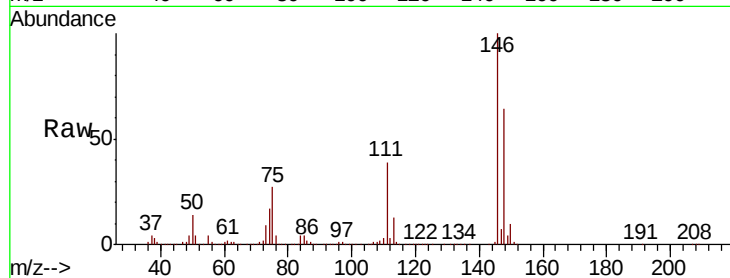
Tot Ion:146 Resp: 954033

Ion Ratio Lower Upper

146 100

111 39.0 19.6 58.7

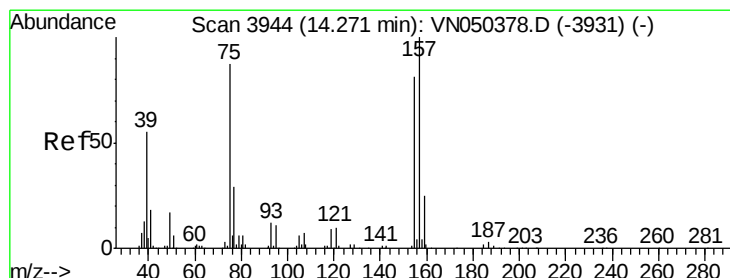
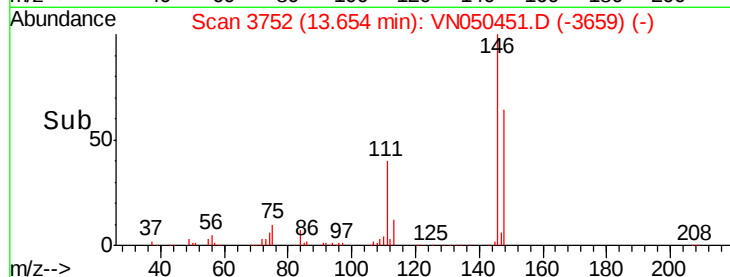
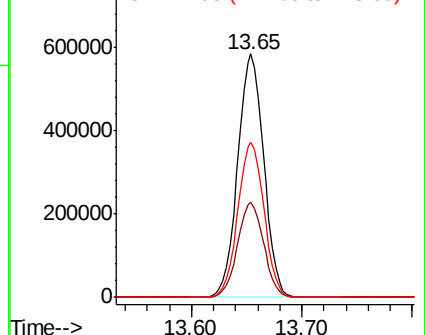
148 63.8 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 40.14 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

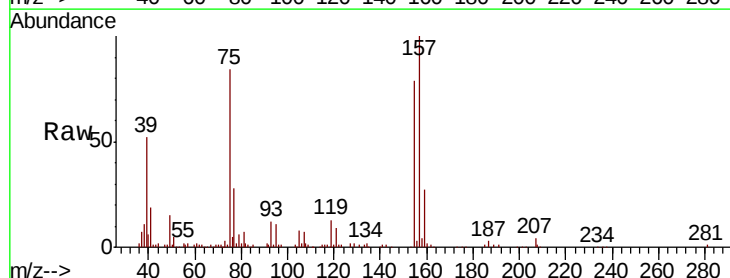
Tgt Ion: 75 Resp: 80858

Ion Ratio Lower Upper

75 100

155 94.6 44.8 134.4

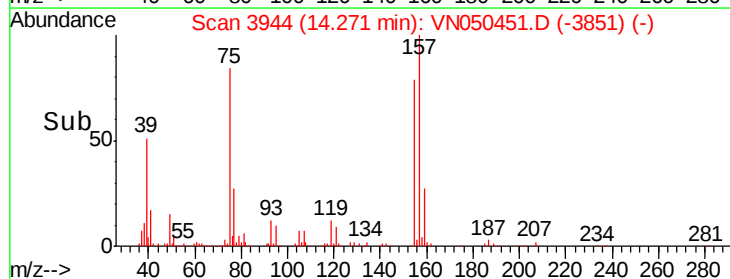
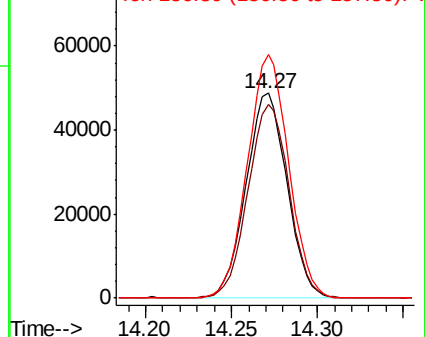
157 119.3 57.2 171.6

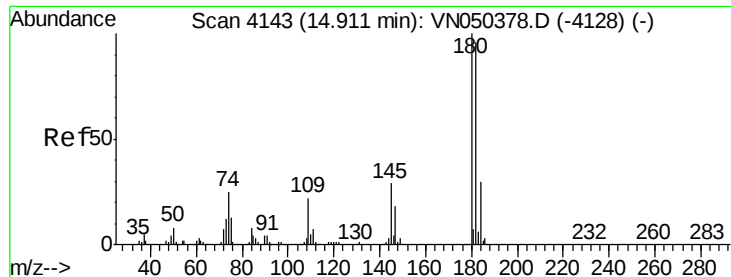


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

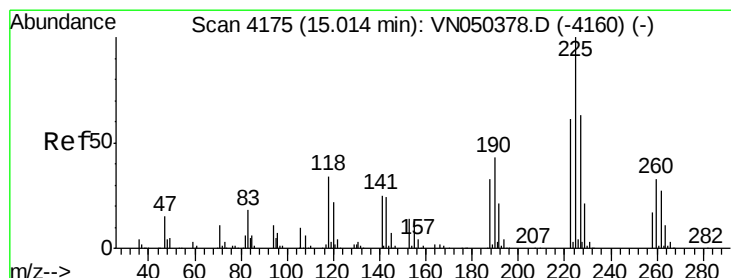
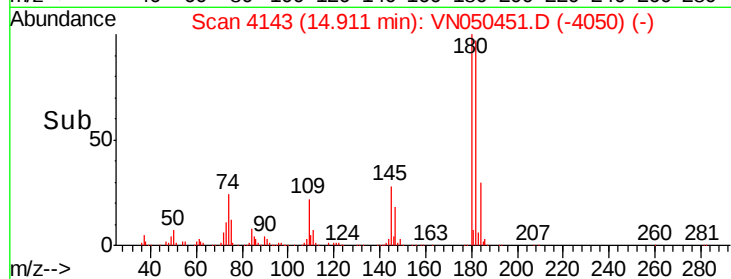
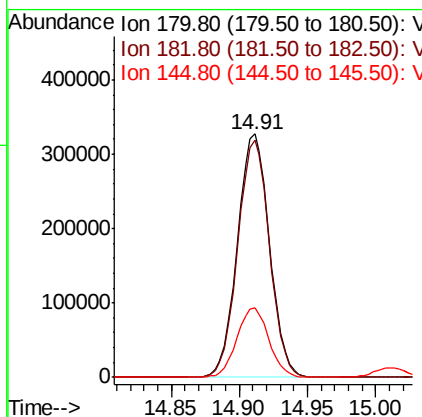
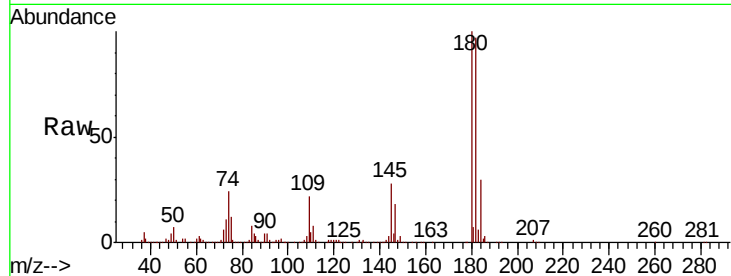




#93
 1,2,4-Trichlorobenzene
 Concen: 53.25 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050451.D
 Acq: 8 Aug 2018 11:13

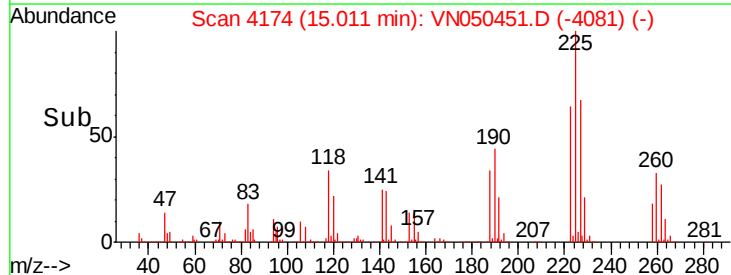
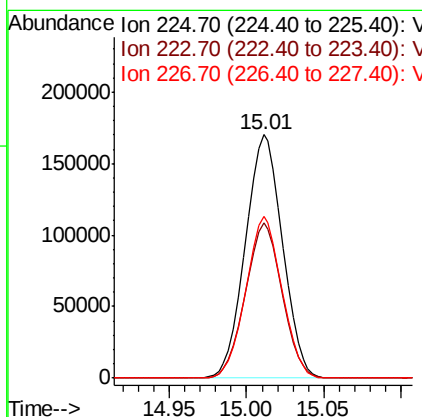
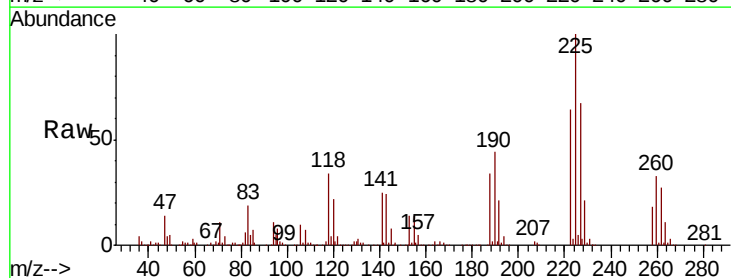
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

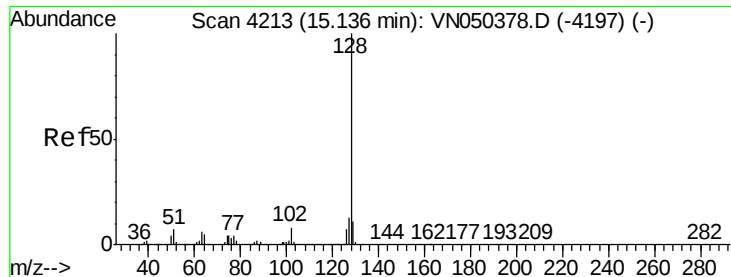
Tot Ion:180 Resp: 533451
 Ion Ratio Lower Upper
 180 100
 182 96.4 46.7 140.1
 145 28.5 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 52.09 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050451.D
 Acq: 8 Aug 2018 11:13

Tgt Ion:225 Resp: 284710
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.4 94.2
 227 64.3 32.1 96.5





#95

Naphthalene

Concen: 46.83 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Instrument :

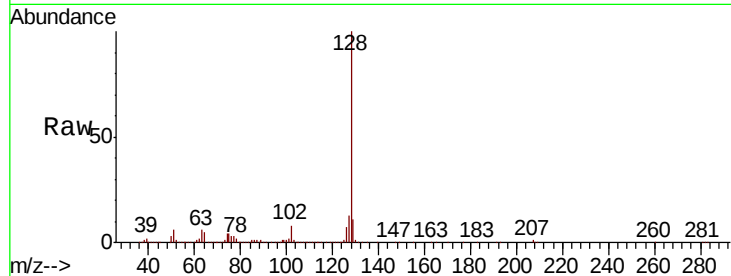
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1235776

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.0	8.8	13.2

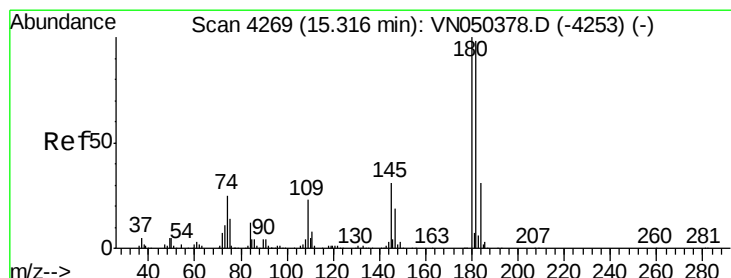
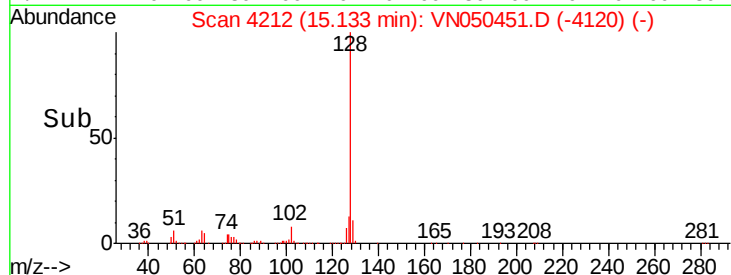
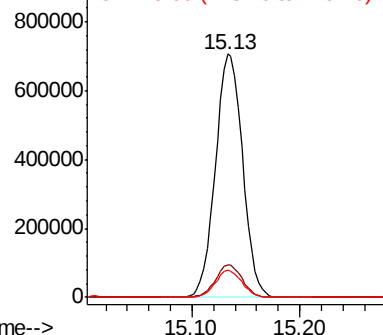


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.90 ug/l

RT: 15.32 min Scan# 4269

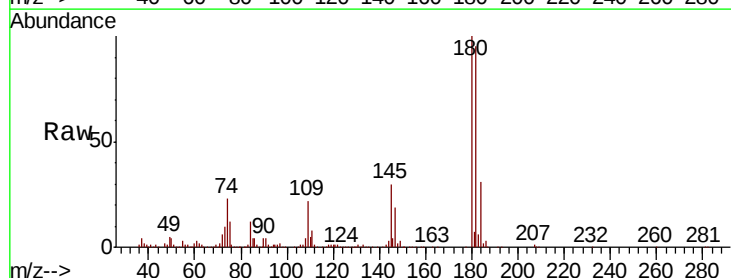
Delta R.T. 0.00 min

Lab File: VN050451.D

Acq: 8 Aug 2018 11:13

Tgt Ion:180 Resp: 505472

Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.1	144.4
145	30.3	15.3	45.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

