

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122418\
 Data File : VN053197.D
 Acq On : 24 Dec 2018 20:33
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 24 22:33:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	894511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1391878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1240143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	588263	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	490660	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	
35) Dibromofluoromethane	7.59	113	408031	64.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.34%	
50) Toluene-d8	10.09	98	1751856	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.40	95	611215	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	397038	43.856	ug/l	100
3) Chloromethane	2.06	50	508947	46.392	ug/l	100
4) Vinyl Chloride	2.19	62	518188	46.639	ug/l	100
5) Bromomethane	2.57	94	346685	45.037	ug/l	98
6) Chloroethane	2.71	64	313503	47.643	ug/l	100
7) Trichlorofluoromethane	3.02	101	665877	48.109	ug/l	99
8) Diethyl Ether	3.41	74	268421	51.406	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	420315	47.628	ug/l	98
10) Methyl Iodide	3.96	142	596130	48.102	ug/l	99
11) Tert butyl alcohol	4.78	59	147406	266.134	ug/l	99
12) 1,1-Dichloroethene	3.74	96	414435	48.609	ug/l	100
13) Acrolein	3.61	56	169814	338.124	ug/l	100
14) Allyl chloride	4.33	41	657344	49.775	ug/l	98
15) Acrylonitrile	4.99	53	826448	268.582	ug/l	99
16) Acetone	3.82	43	514099	288.847	ug/l	96
17) Carbon Disulfide	4.06	76	1111108	39.961	ug/l	99
18) Methyl Acetate	4.32	43	452639	55.913	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1213063	53.168	ug/l	99
20) Methylene Chloride	4.55	84	486478	50.107	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	436340	47.634	ug/l	100
22) Diisopropyl ether	5.95	45	1514268	53.718	ug/l	97
23) Vinyl Acetate	5.90	43	4439528	273.884	ug/l	99
24) 1,1-Dichloroethane	5.85	63	856471	51.131	ug/l	99
25) 2-Butanone	6.83	43	861750	288.501	ug/l	98
26) 2,2-Dichloropropane	6.83	77	587608	45.954	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	528398	50.952	ug/l	99
28) Bromochloromethane	7.20	49	390304	53.773	ug/l	98
29) Tetrahydrofuran	7.21	42	610127	273.490	ug/l	99
30) Chloroform	7.37	83	837632	50.904	ug/l	98
31) Cyclohexane	7.66	56	756170	48.092	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	693825	49.497	ug/l	99
36) 1,1-Dichloropropene	7.79	75	635592	47.576	ug/l	99
37) Ethyl Acetate	6.93	43	400923	53.758	ug/l	98
38) Carbon Tetrachloride	7.78	117	591708	48.321	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	710697	43.791	ug/l	98
40) Benzene	8.04	78	1958310	49.281	ug/l	99
41) Methacrylonitrile	7.18	41	243824	56.583	ug/l	93
42) 1,2-Dichloroethane	8.13	62	583293	49.687	ug/l	99
43) Isopropyl Acetate	8.16	43	753147	52.230	ug/l	99
44) Trichloroethene	8.84	130	535603	46.599	ug/l	99
45) 1,2-Dichloropropane	9.12	63	528518	51.062	ug/l	100
46) Dibromomethane	9.21	93	298202	49.456	ug/l	98
47) Bromodichloromethane	9.40	83	641622	50.060	ug/l	100
48) Methyl methacrylate	9.20	41	375293	51.857	ug/l	99
49) 1,4-Dioxane	9.20	88	91132	995.487	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1983457	274.623	ug/l	99
52) Toluene	10.16	92	1210948	49.164	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	662568	49.160	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	767442	49.608	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	442949	51.548	ug/l	98
56) Ethyl methacrylate	10.43	69	600719	52.818	ug/l	97
57) 1,3-Dichloropropane	10.71	76	761079	51.650	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1644042	263.299	ug/l	99
59) 2-Hexanone	10.75	43	1322201	270.577	ug/l	98
60) Dibromochloromethane	10.90	129	488468	49.661	ug/l	100
61) 1,2-Dibromoethane	11.01	107	437837	50.171	ug/l	99
64) Tetrachloroethene	10.63	164	582672	43.374	ug/l	98
65) Chlorobenzene	11.43	112	1340616	48.767	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	480738	50.288	ug/l	100
67) Ethyl Benzene	11.51	91	2310225	48.866	ug/l	100
68) m/p-Xylenes	11.62	106	1746973	97.203	ug/l	99
69) o-Xylene	11.95	106	857862	49.743	ug/l	100
70) Styrene	11.96	104	1413960	50.280	ug/l	100
71) Bromoform	12.13	173	340799	49.348	ug/l #	100
73) Isopropylbenzene	12.25	105	2255760	49.010	ug/l	99
74) N-amyl acetate	12.07	43	667437	52.231	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	508204	56.281	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	673027	67.963	ug/l #	100
77) Bromobenzene	12.53	156	588154	49.159	ug/l	99
78) n-propylbenzene	12.59	91	2525183	48.172	ug/l	99
79) 2-Chlorotoluene	12.67	91	1510497	46.488	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1801786	48.028	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	149015	48.501	ug/l	100
82) 4-Chlorotoluene	12.77	91	1541671	48.469	ug/l	100
83) tert-Butylbenzene	12.99	119	1571007	47.349	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1833531	48.617	ug/l	100
85) sec-Butylbenzene	13.17	105	2061239	45.930	ug/l	100
86) p-Isopropyltoluene	13.29	119	1791252	46.192	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1012488	47.815	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1004900	46.862	ug/l	100
89) n-Butylbenzene	13.62	91	1460366	43.774	ug/l	100
90) Hexachloroethane	13.88	117	277830	46.687	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	981557	49.252	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77062	49.358	ug/l	98

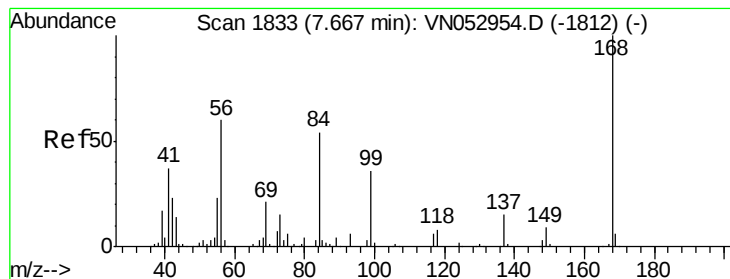
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	454844	43.161	ug/l	100
94) Hexachlorobutadiene	15.01	225	280332	51.356	ug/l	99
95) Naphthalene	15.13	128	1013118	43.945	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	408955	43.083	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

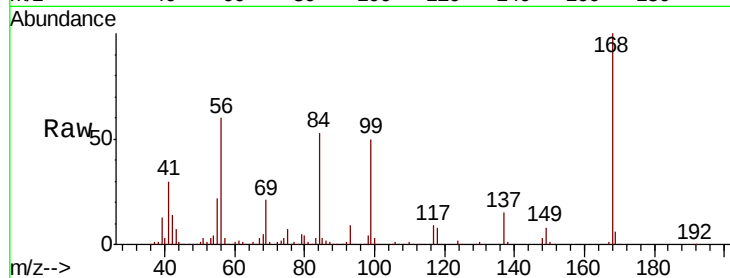
VSTDCCC050EC

Tot Ion:168 Resp: 894511

Ion Ratio Lower Upper

168 100

99 49.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

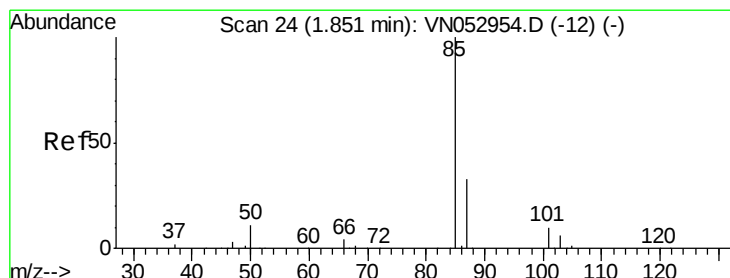
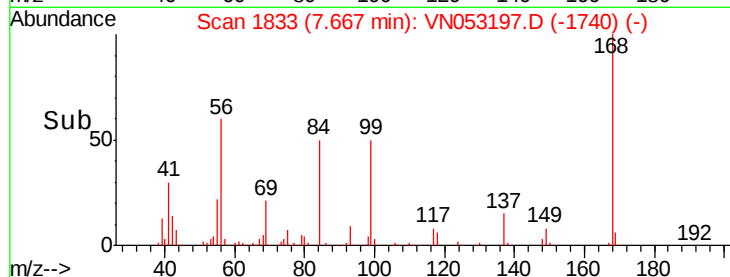
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 43.856 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053197.D

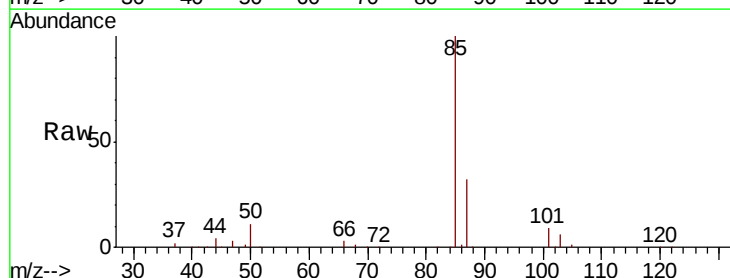
Acq: 24 Dec 2018 20:33

Tgt Ion: 85 Resp: 397038

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

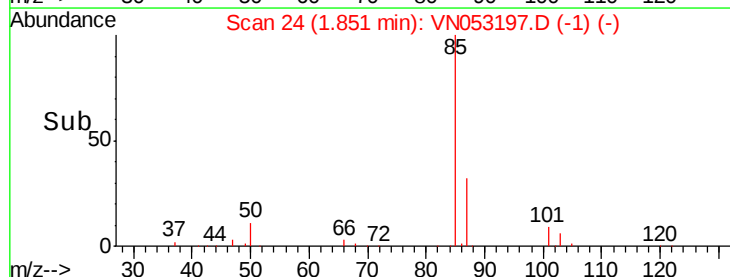
200000

100000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 46.392 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

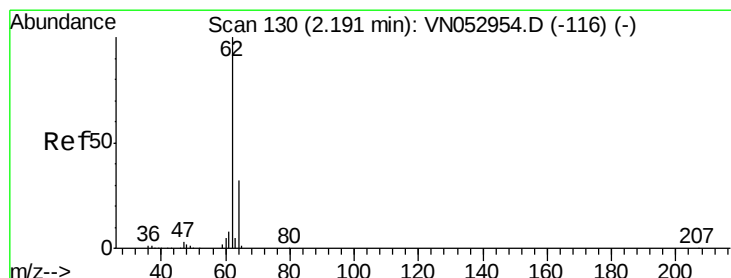
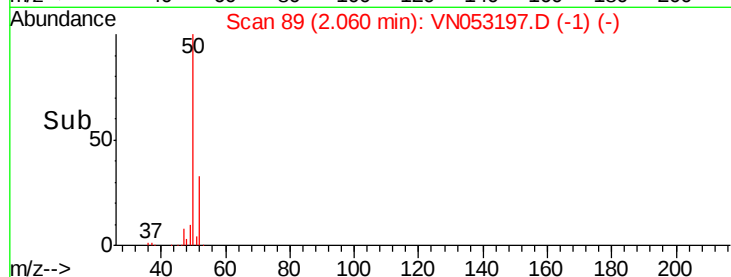
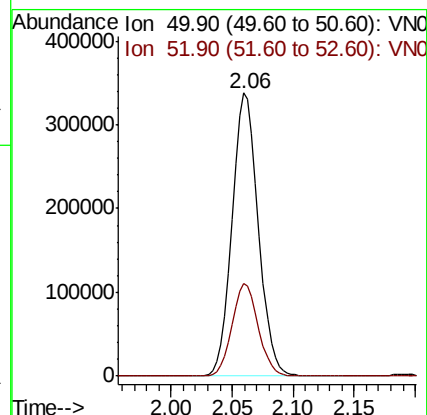
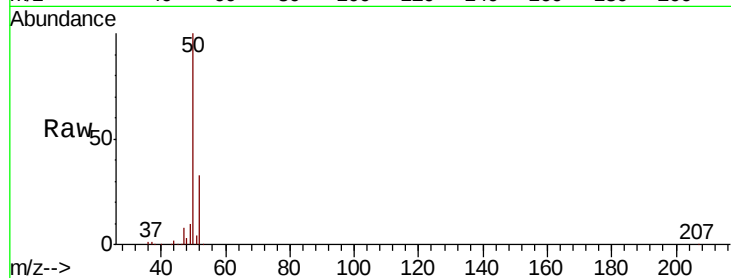
VSTDCCC050EC

Tot Ion: 50 Resp: 508947

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.4



#4

Vinyl Chloride

Concen: 46.639 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053197.D

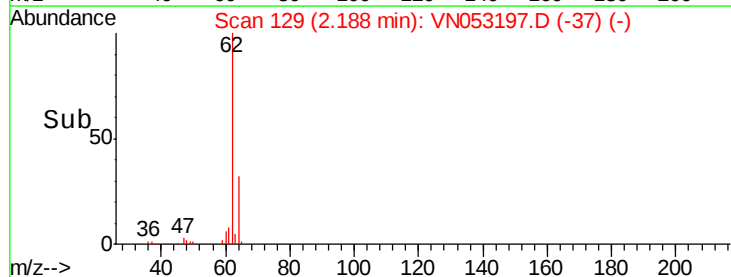
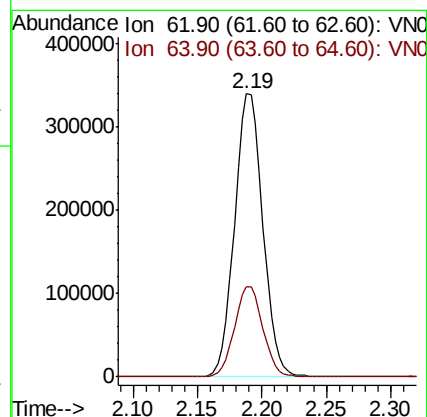
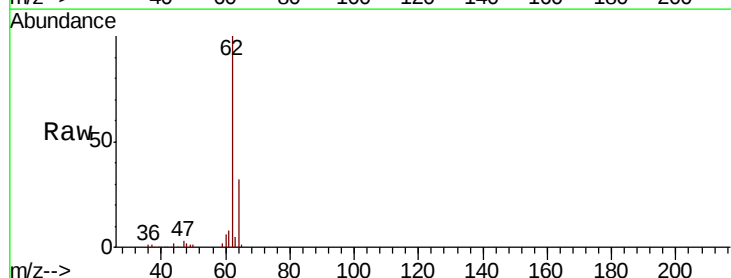
Acq: 24 Dec 2018 20:33

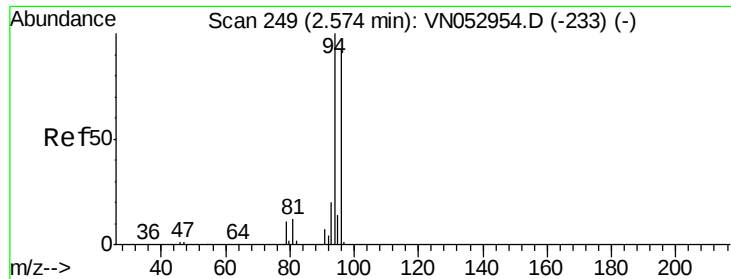
Tgt Ion: 62 Resp: 518188

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 45.037 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

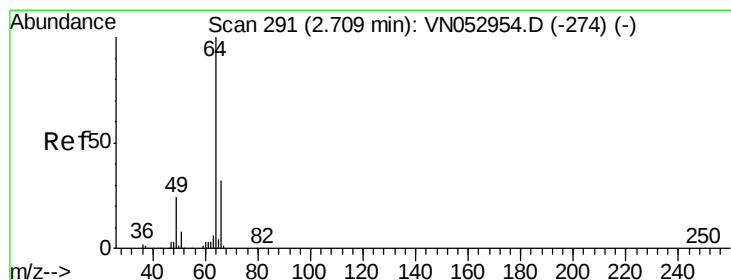
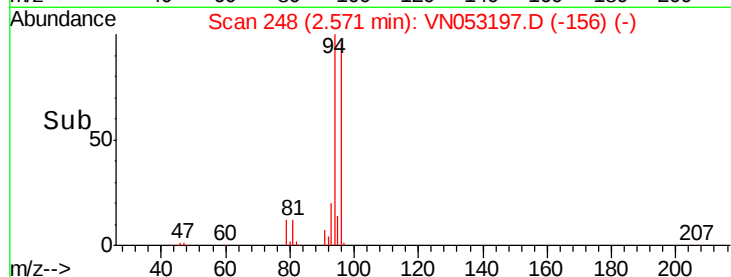
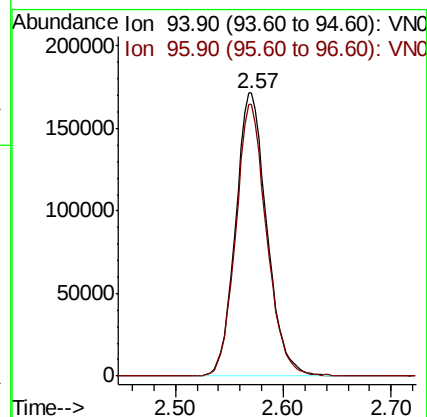
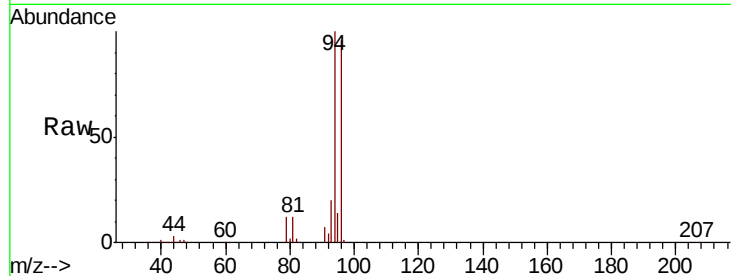
VSTDCCC050EC

Tot Ion: 94 Resp: 346685

Ion Ratio Lower Upper

94 100

96 95.9 75.0 112.4



#6

Chloroethane

Concen: 47.643 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053197.D

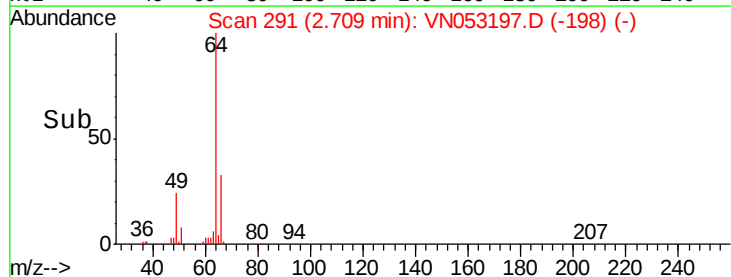
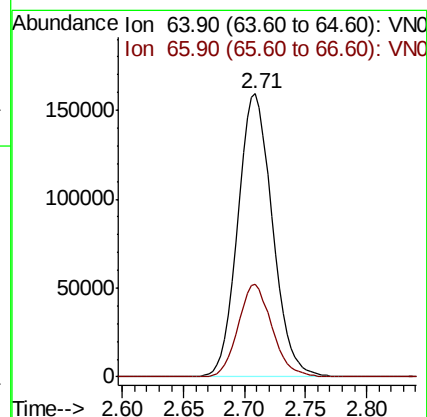
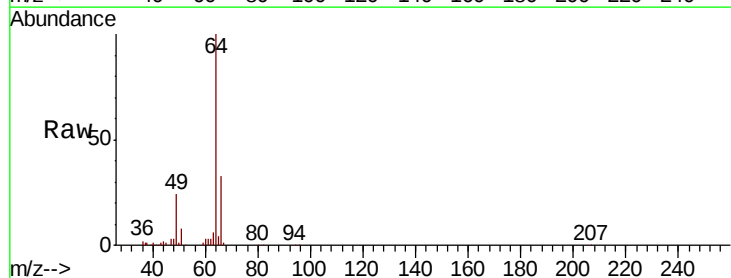
Acq: 24 Dec 2018 20:33

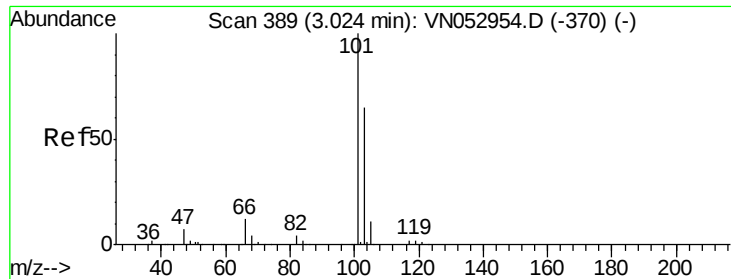
Tgt Ion: 64 Resp: 313503

Ion Ratio Lower Upper

64 100

66 32.7 26.2 39.2



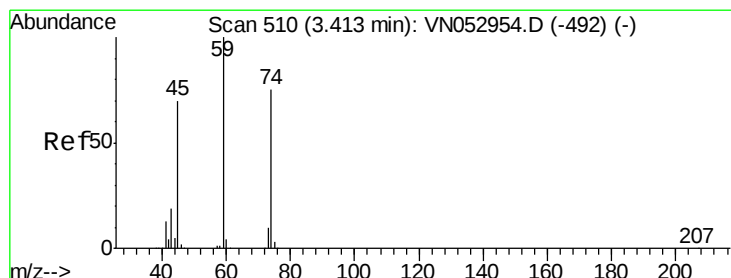
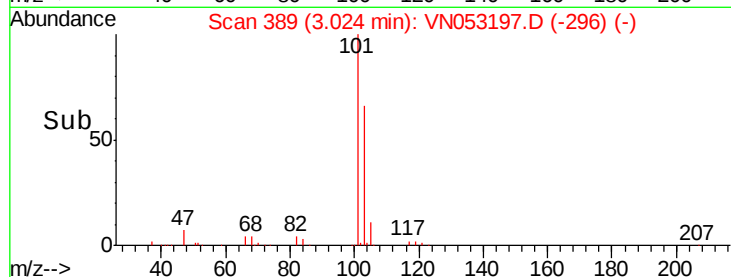
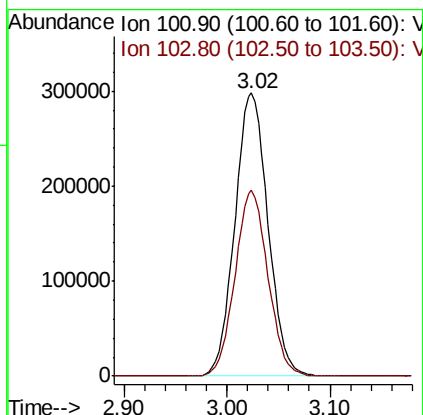
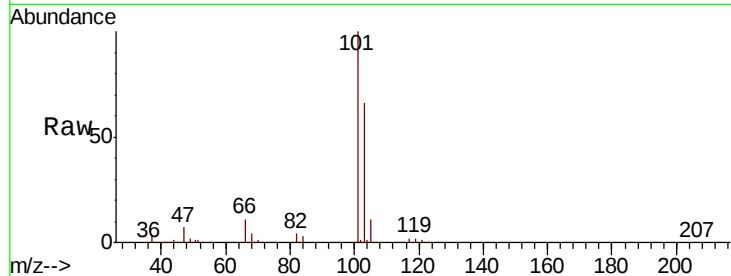


#7

Trichlorofluoromethane
 Concen: 48.109 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

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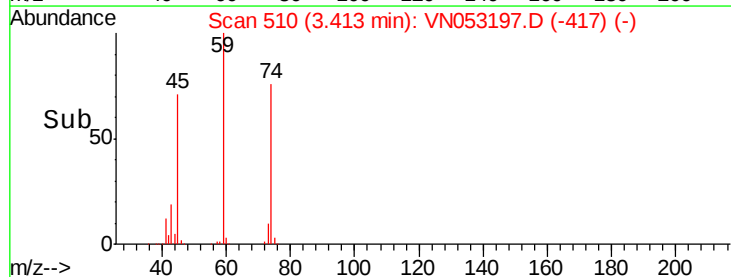
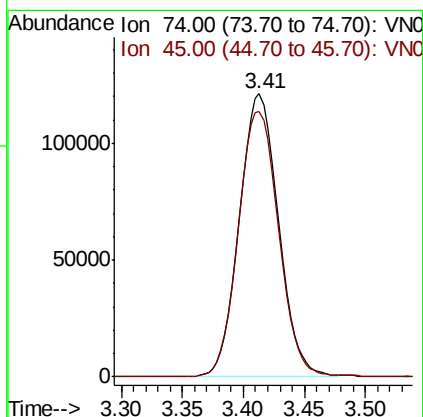
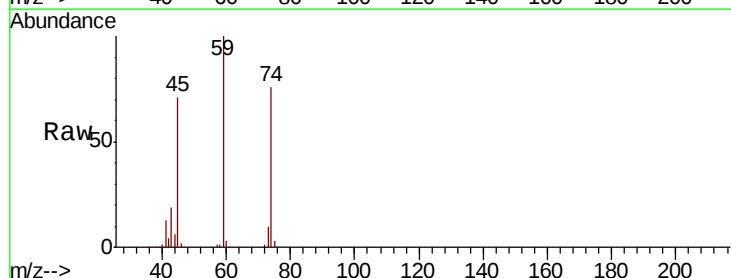
Tot Ion:101 Resp: 665877
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.8 77.6

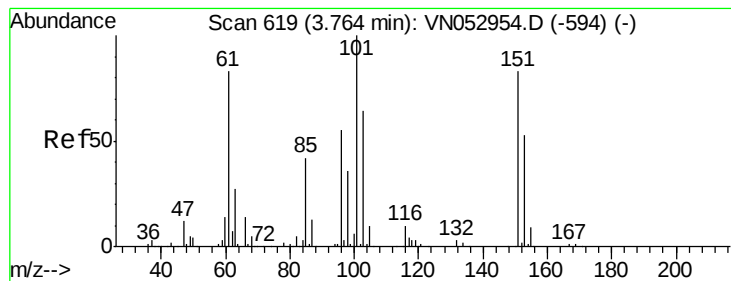


#8

Diethyl Ether
 Concen: 51.406 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Tgt Ion: 74 Resp: 268421
 Ion Ratio Lower Upper
 74 100
 45 97.2 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.628 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

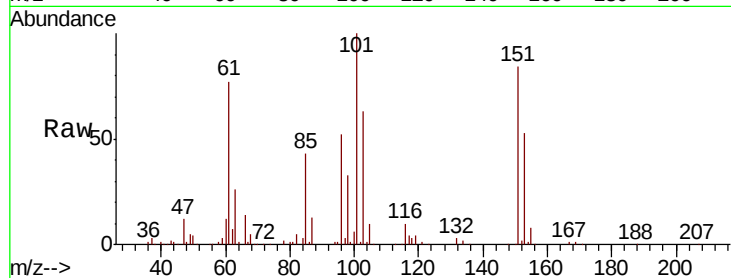
Tot Ion:101 Resp: 420315

Ion Ratio Lower Upper

101 100

85 42.0 33.6 50.4

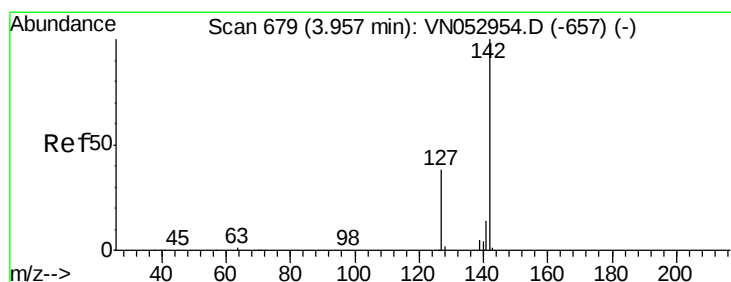
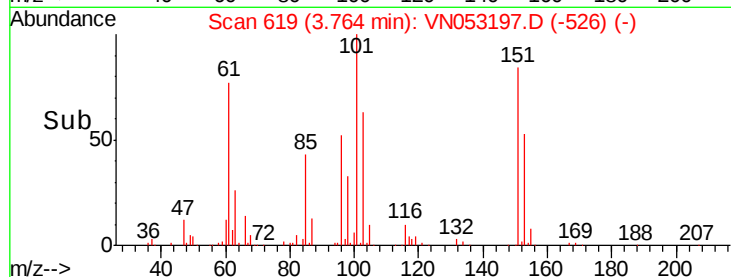
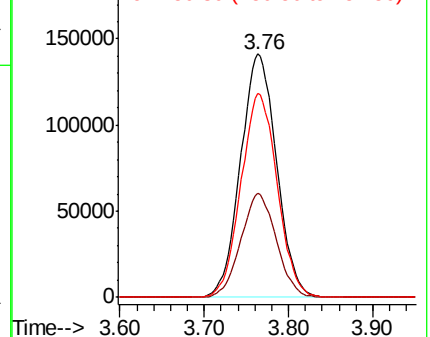
151 84.0 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.102 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

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Acq: 24 Dec 2018 20:33

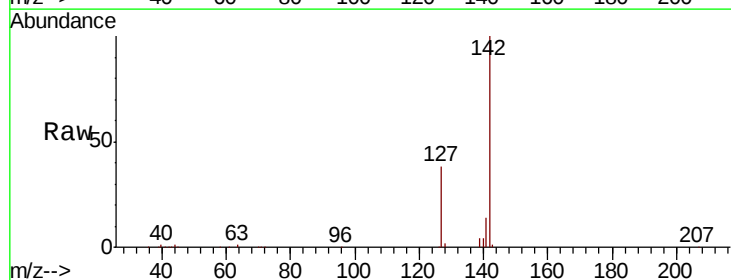
Tgt Ion:142 Resp: 596130

Ion Ratio Lower Upper

142 100

127 38.4 31.0 46.6

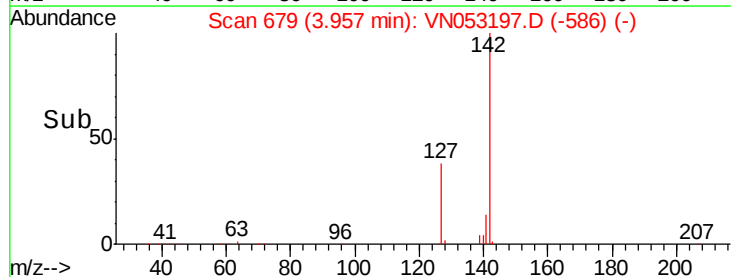
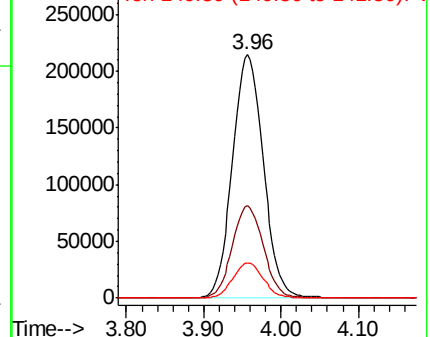
141 14.2 11.2 16.8

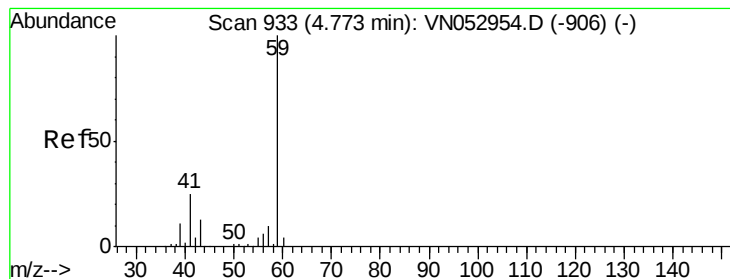


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



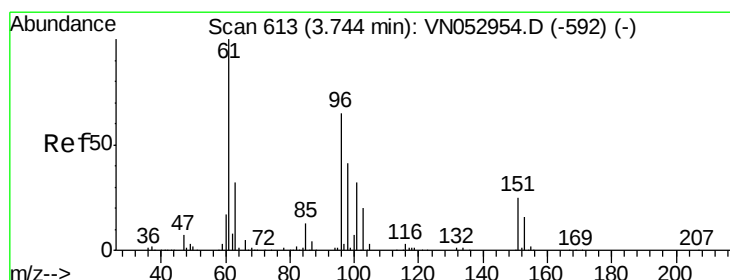
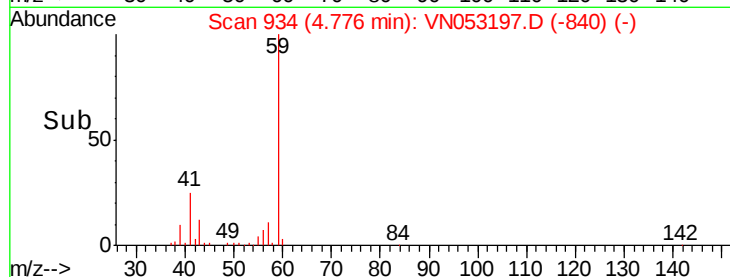
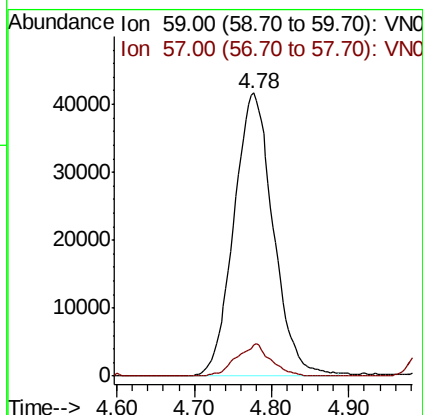
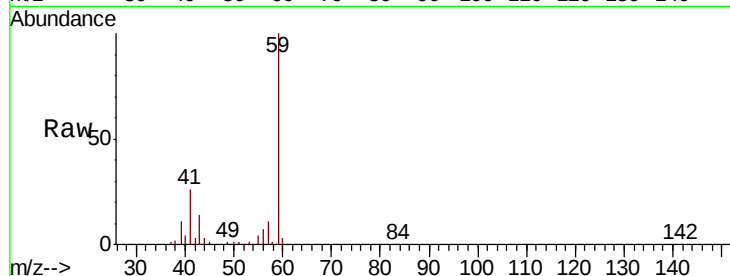


#11

Tert butyl alcohol
 Concen: 266.134 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

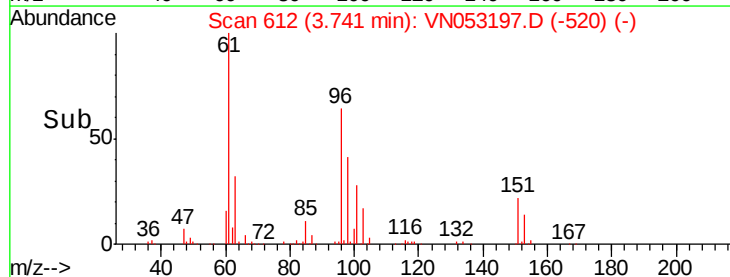
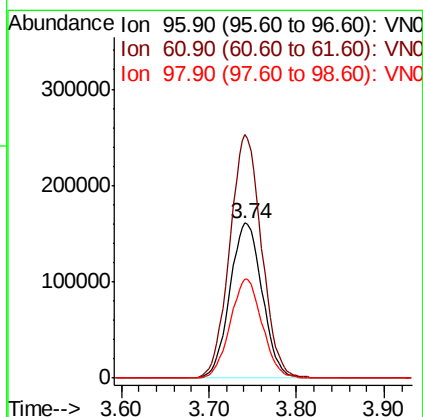
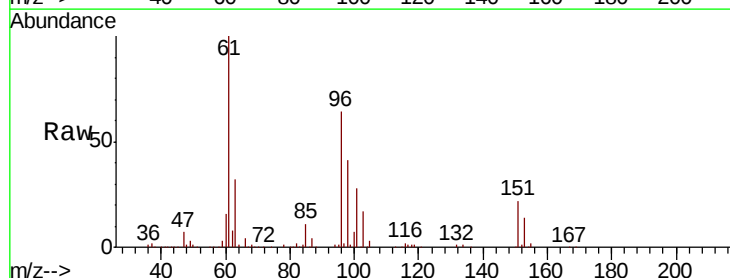
Tot Ion: 59 Resp: 147406
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.7 11.5

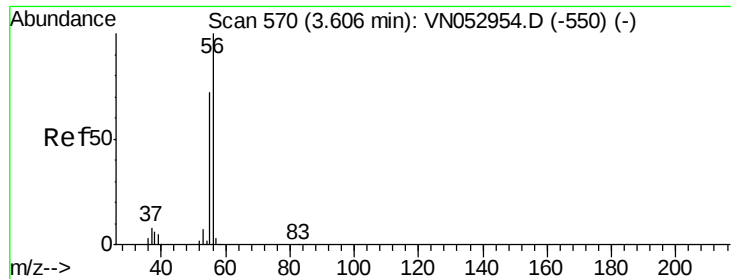


#12

1,1-Dichloroethene
 Concen: 48.609 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Tgt Ion: 96 Resp: 414435
 Ion Ratio Lower Upper
 96 100
 61 157.1 125.6 188.4
 98 63.9 50.6 75.8





#13

Acrolein

Concen: 338.124 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

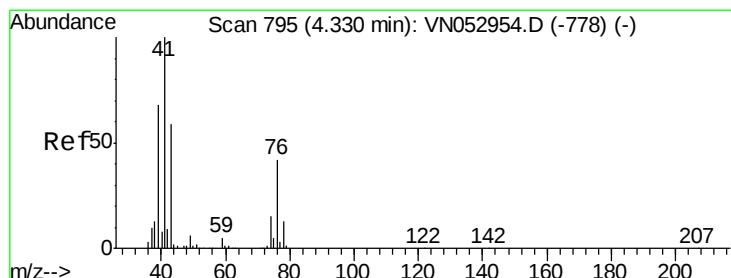
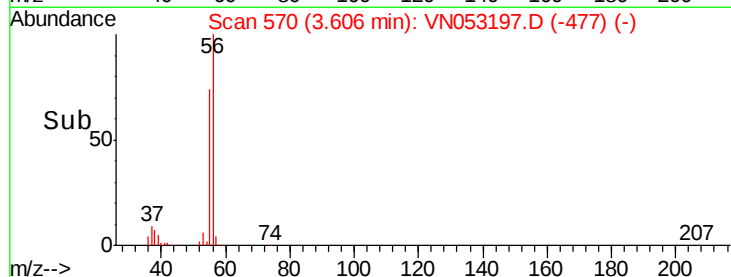
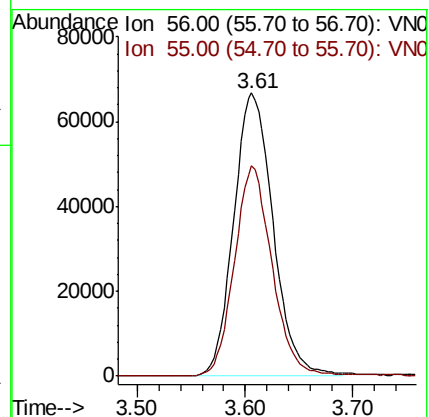
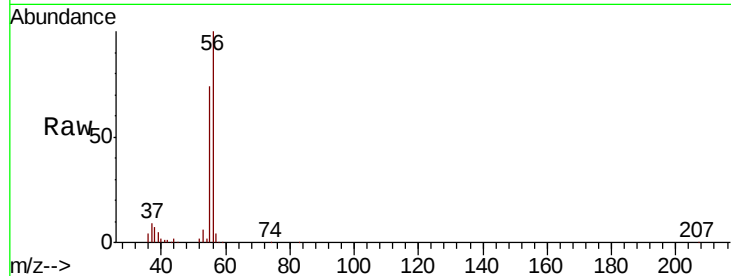
VSTDCCC050EC

Tot Ion: 56 Resp: 169814

Ion Ratio Lower Upper

56 100

55 71.0 56.6 85.0



#14

Allyl chloride

Concen: 49.775 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

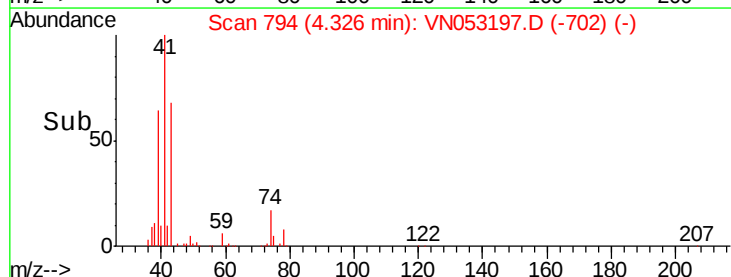
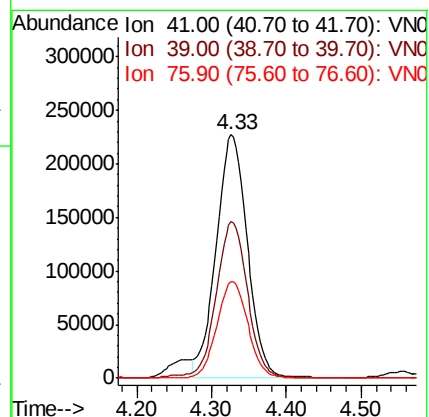
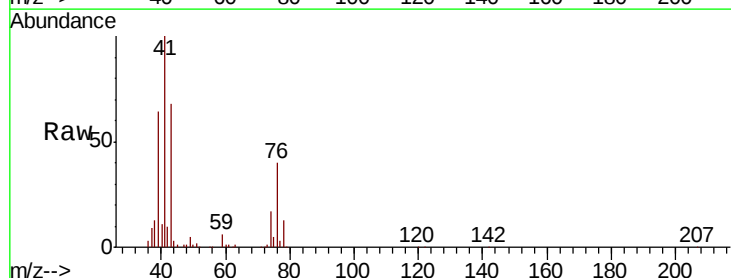
Tgt Ion: 41 Resp: 657344

Ion Ratio Lower Upper

41 100

39 65.2 54.1 81.1

76 38.8 30.3 45.5

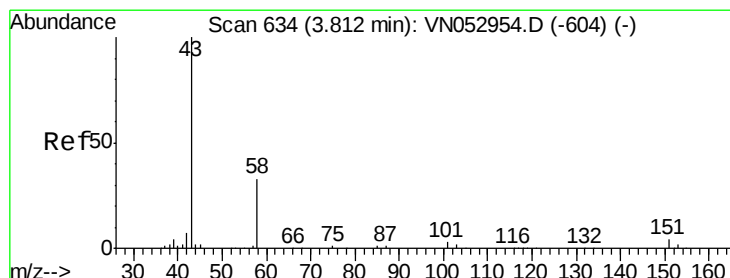
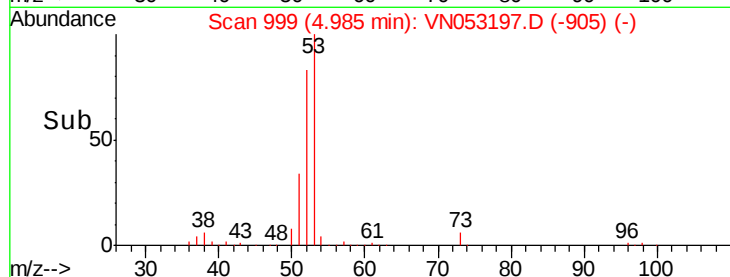
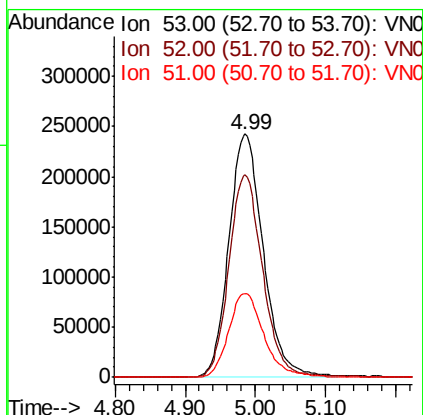
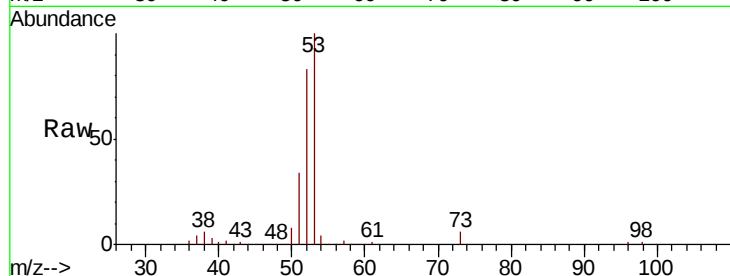




#15
 Acrylonitrile
 Concen: 268.582 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

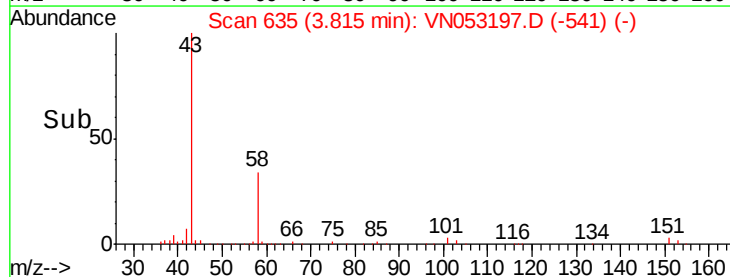
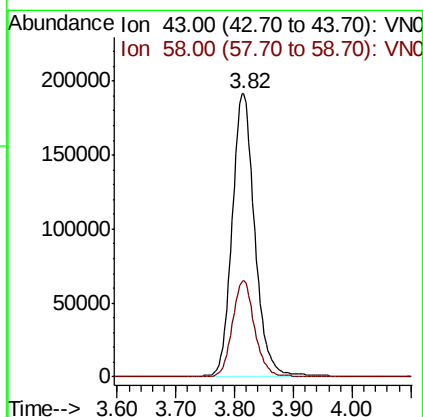
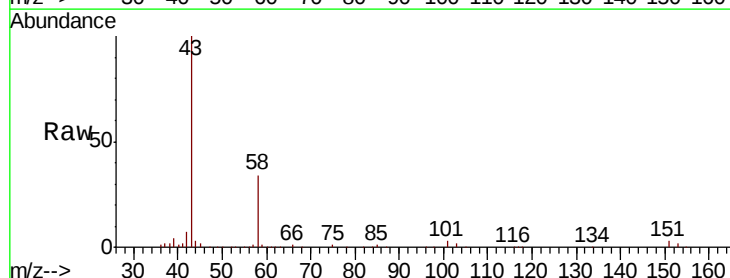
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

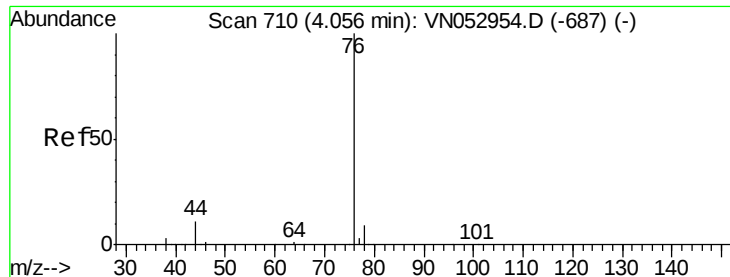
Tot Ion: 53 Resp: 826448
 Ion Ratio Lower Upper
 53 100
 52 81.8 65.1 97.7
 51 35.5 28.1 42.1



#16
 Acetone
 Concen: 288.847 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Tgt Ion: 43 Resp: 514099
 Ion Ratio Lower Upper
 43 100
 58 33.9 25.4 38.0

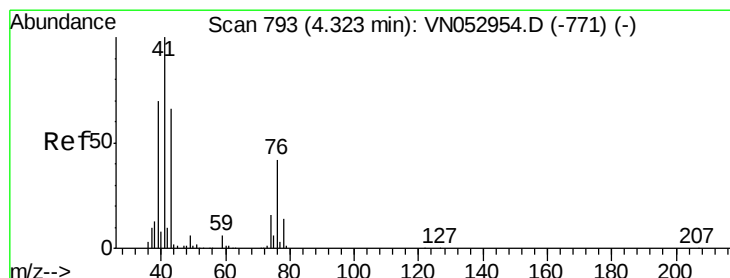
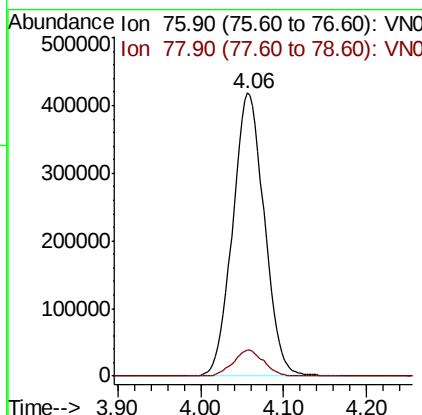
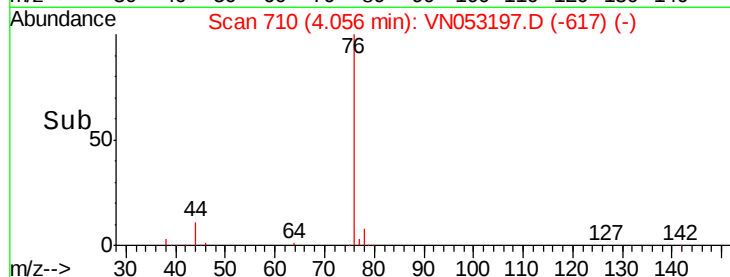
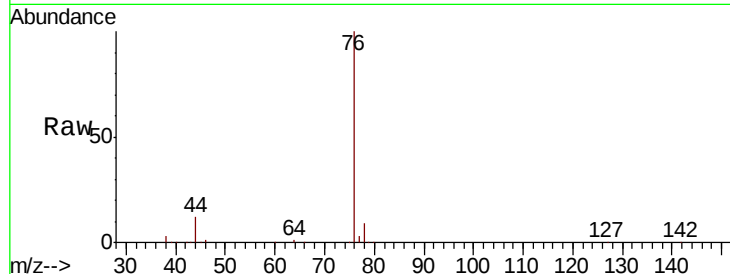




#17
Carbon Disulfide
Concen: 39.961 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

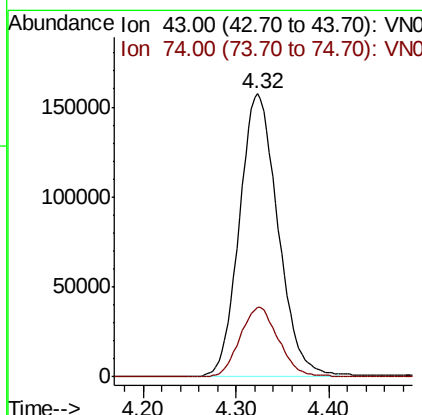
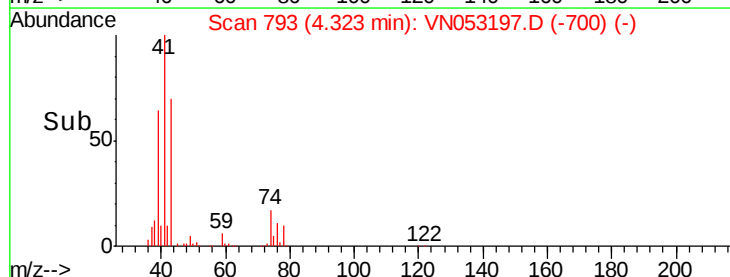
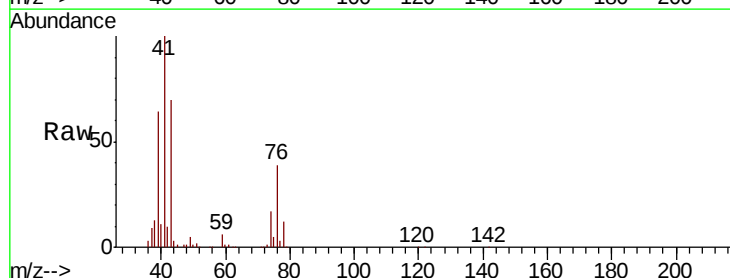
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

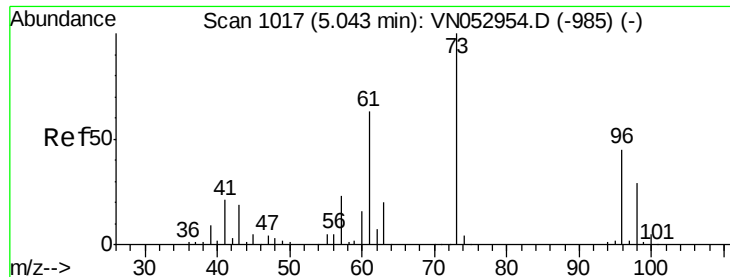
Tot Ion: 76 Resp: 1111108
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 55.913 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion: 43 Resp: 452639
Ion Ratio Lower Upper
43 100
74 24.7 19.2 28.8



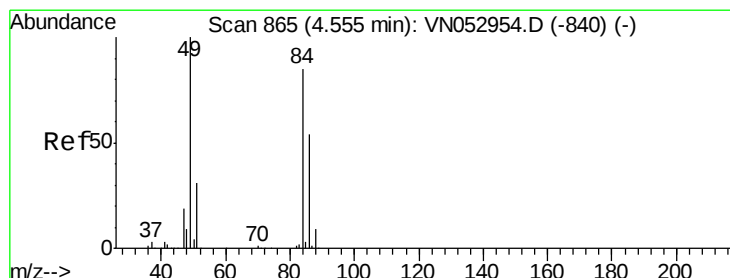
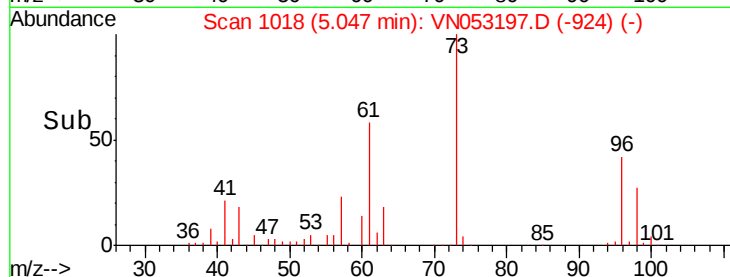
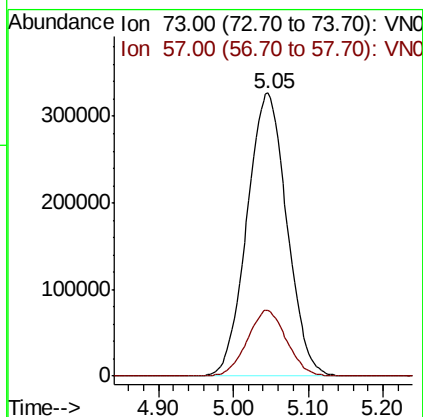
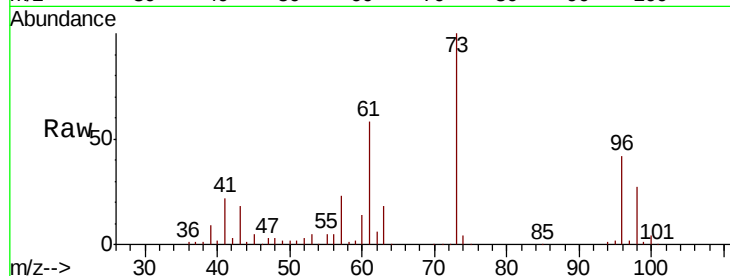


#19

Methyl tert-butyl Ether
 Concen: 53.168 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

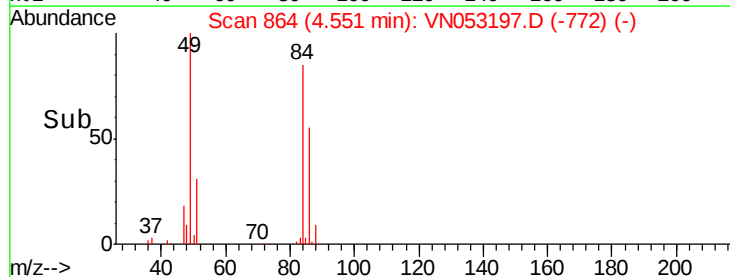
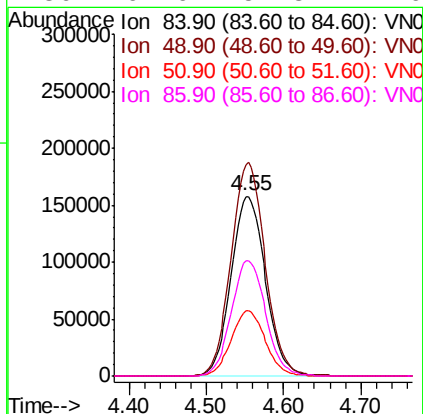
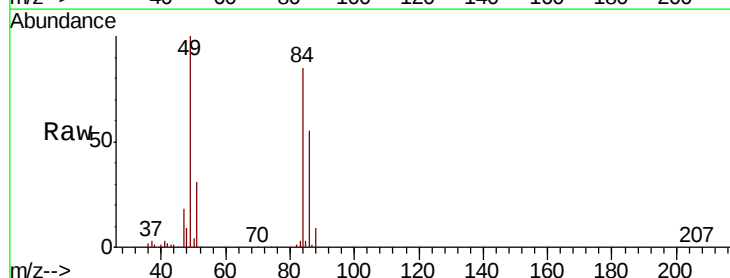
Tot Ion: 73 Resp: 1213063
 Ion Ratio Lower Upper
 73 100
 57 23.3 18.4 27.6

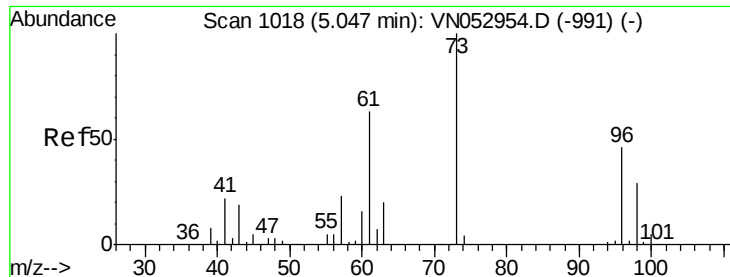


#20

Methylene Chloride
 Concen: 50.107 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Tgt Ion: 84 Resp: 486478
 Ion Ratio Lower Upper
 84 100
 49 118.0 96.8 145.2
 51 36.7 29.9 44.9
 86 64.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 47.634 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

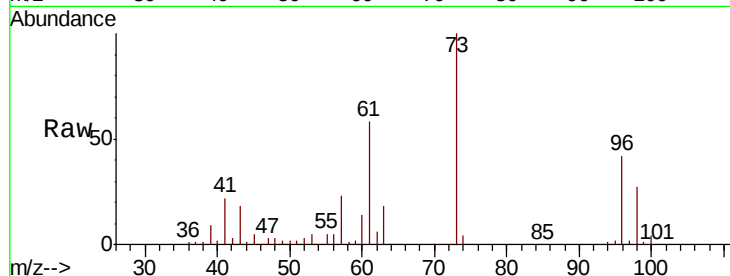
Tot Ion: 96 Resp: 436340

Ion Ratio Lower Upper

96 100

61 138.6 110.8 166.2

98 64.2 51.4 77.2

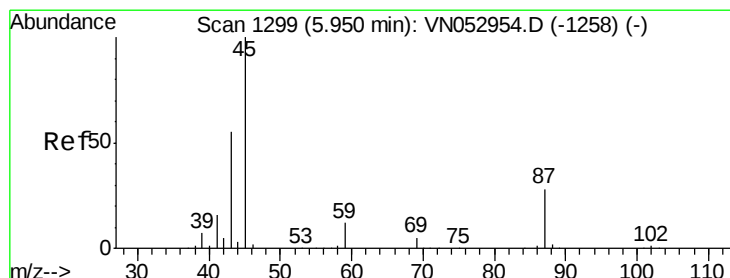
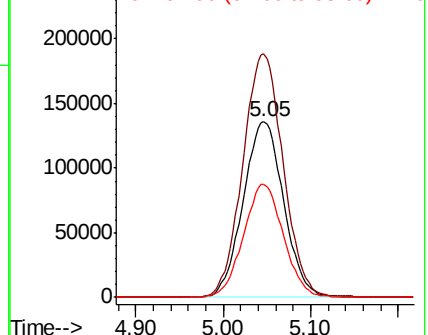
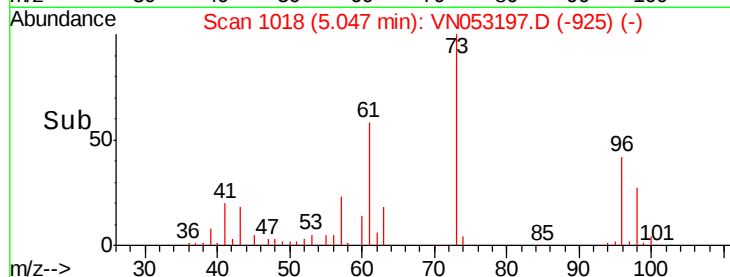


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 53.718 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Tgt Ion: 45 Resp: 1514268

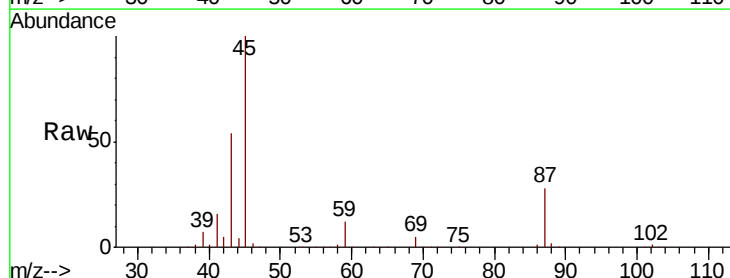
Ion Ratio Lower Upper

45 100

43 53.7 45.5 68.3

87 27.8 22.0 33.0

59 12.0 9.4 14.0



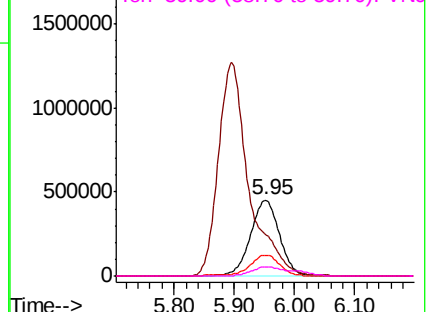
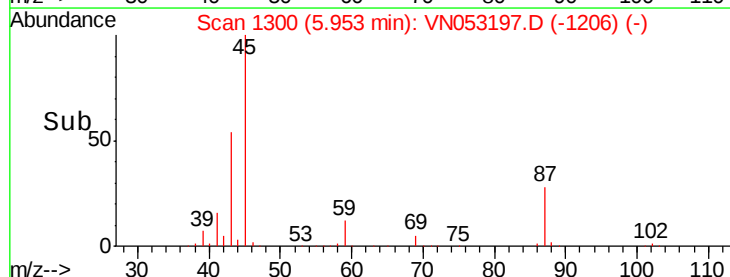
Abundance

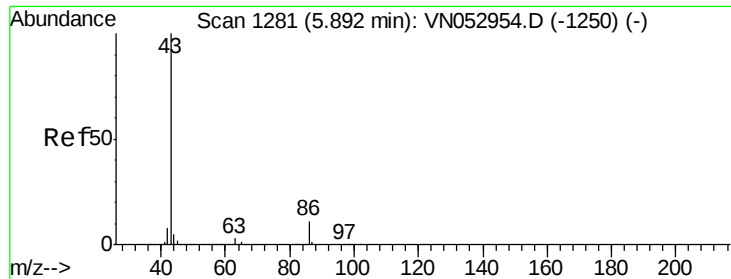
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 273.884 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

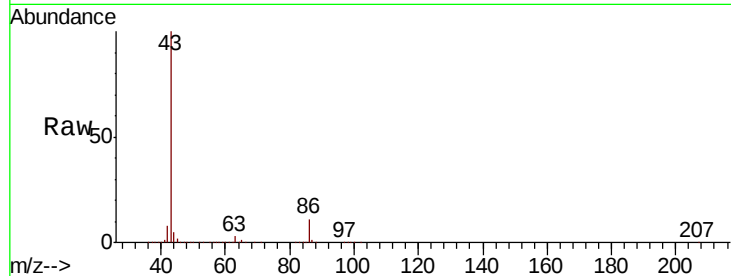
VSTDCCC050EC

Tot Ion: 43 Resp: 4439528

Ion Ratio Lower Upper

43 100

86 10.6 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN053197.D (-1282) (-)

Ion 86.00 (85.70 to 86.70): VN053197.D (-1282) (-)

5.90

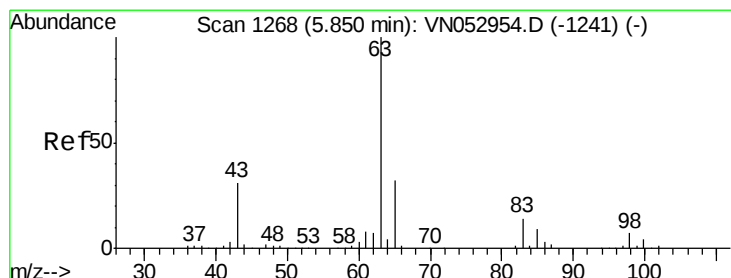
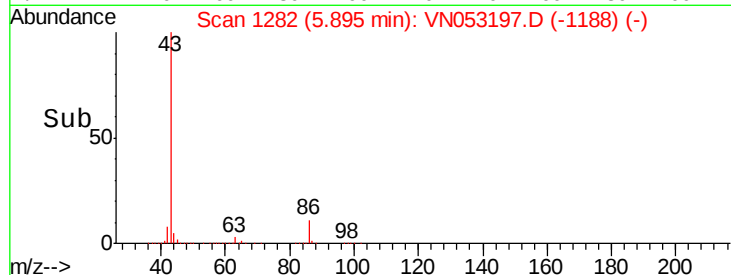
1500000

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.131 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

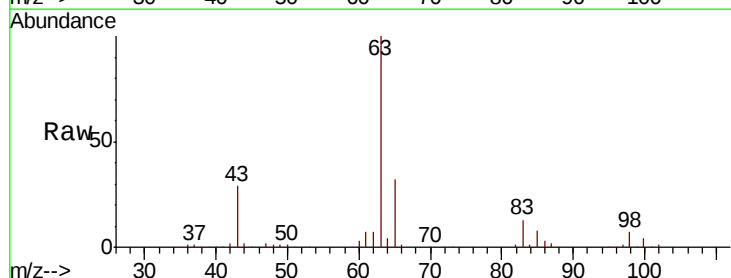
Tgt Ion: 63 Resp: 856471

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN053197.D (-1268) (-)

Ion 97.90 (97.60 to 98.60): VN053197.D (-1268) (-)

Ion 99.90 (99.60 to 100.60): VN053197.D (-1268) (-)

5.85

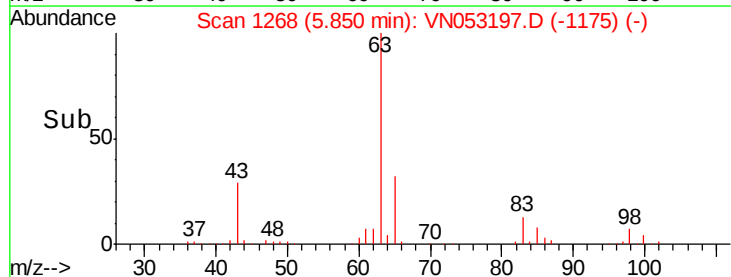
300000

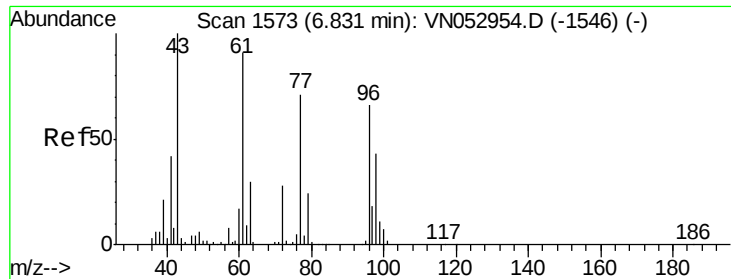
200000

100000

0

Time-->





#25

2-Butanone

Concen: 288.501 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

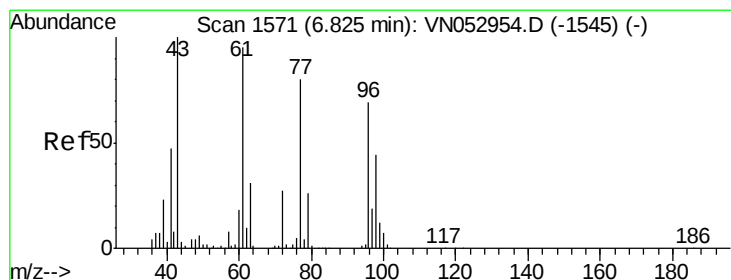
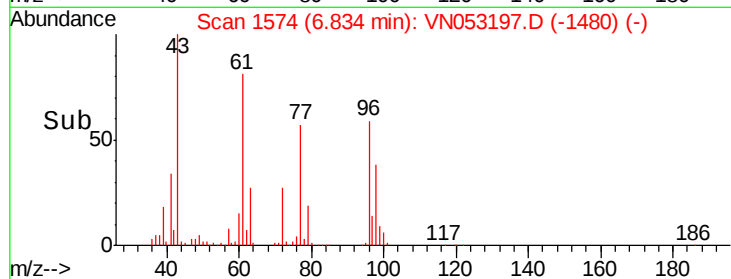
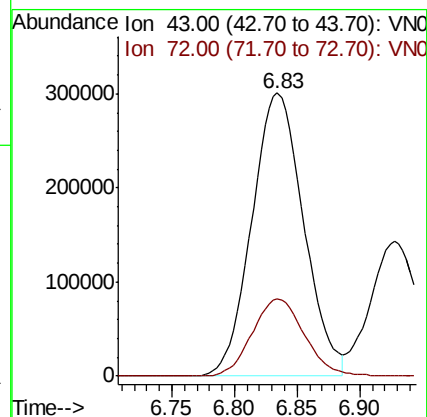
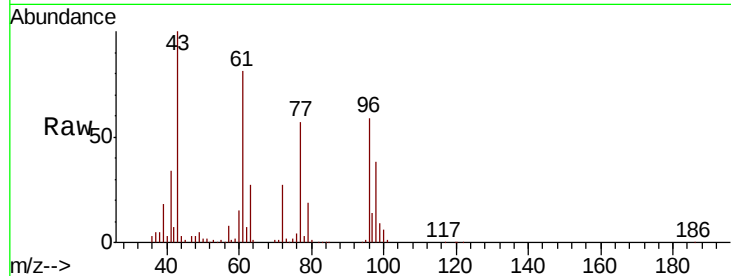
VSTDCCC050EC

Tot Ion: 43 Resp: 861750

Ion Ratio Lower Upper

43 100

72 27.1 21.0 31.6



#26

2,2-Dichloropropane

Concen: 45.954 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053197.D

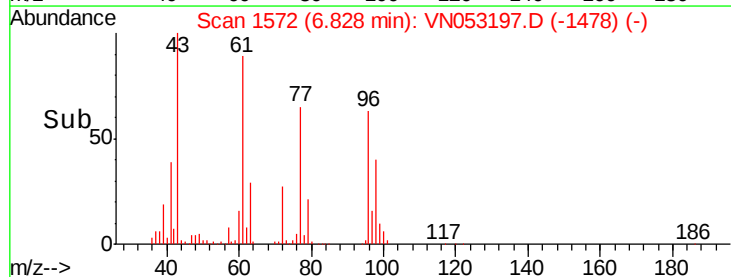
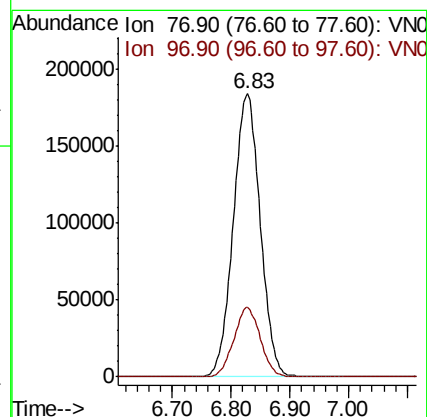
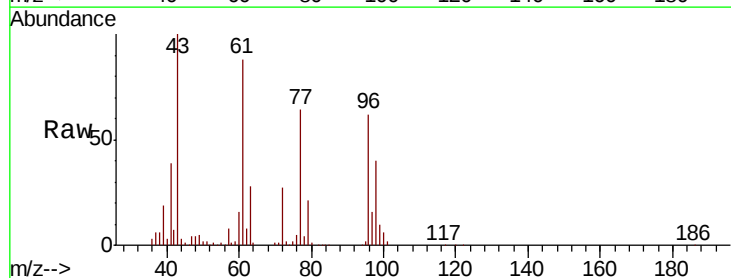
Acq: 24 Dec 2018 20:33

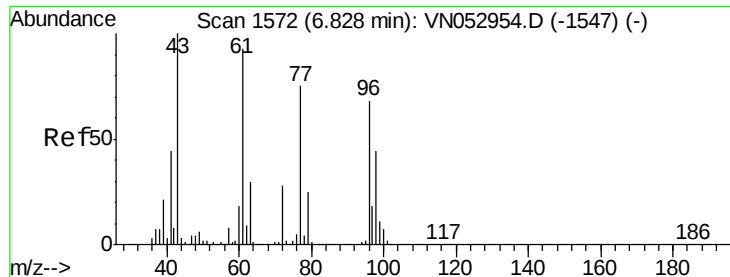
Tgt Ion: 77 Resp: 587608

Ion Ratio Lower Upper

77 100

97 24.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 50.952 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

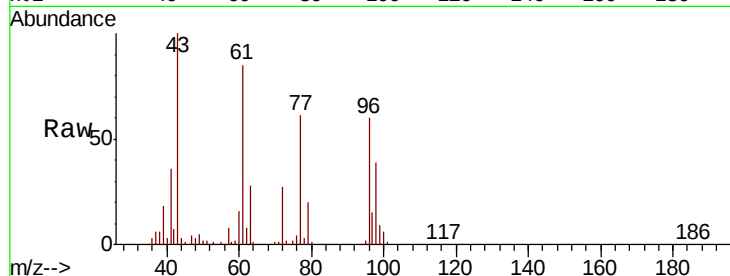
Tot Ion: 96 Resp: 528398

Ion Ratio Lower Upper

96 100

61 140.3 0.0 284.2

98 64.0 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN052954.D (-1547) (-)

Ion 60.90 (60.60 to 61.60): VN052954.D (-1547) (-)

Ion 97.90 (97.60 to 98.60): VN052954.D (-1547) (-)

6.83

300000

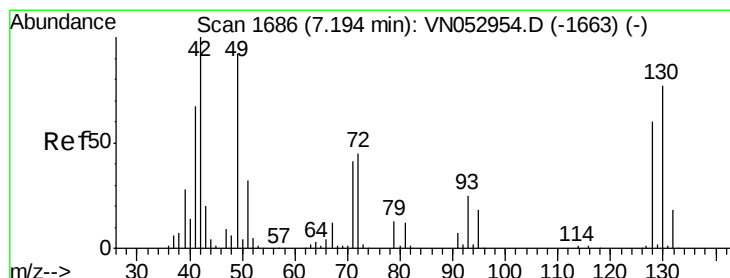
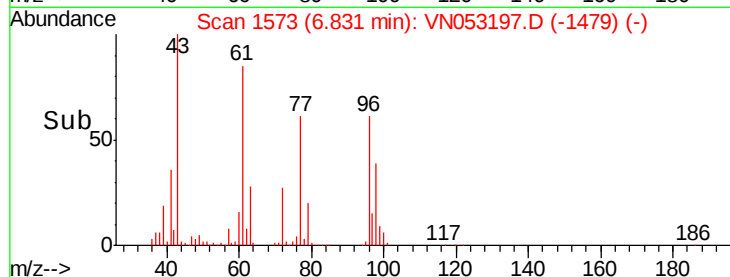
200000

100000

0

6.70 6.80 6.90 7.00

Time-->



#28

Bromochloromethane

Concen: 53.773 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

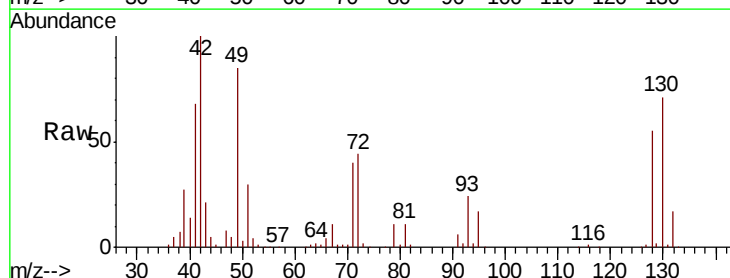
Tgt Ion: 49 Resp: 390304

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

130 80.9 63.3 94.9



Abundance Ion 48.90 (48.60 to 49.60): VN052954.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN052954.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN052954.D (-1663) (-)

7.20

200000

150000

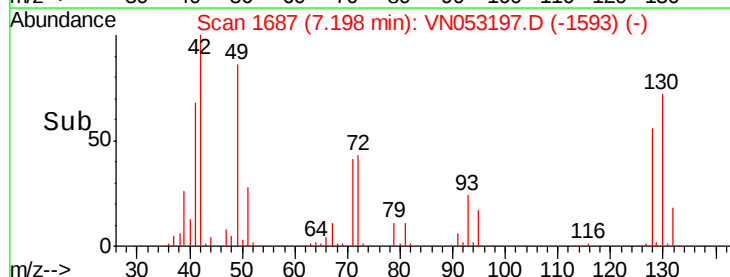
100000

50000

0

7.10 7.20 7.30

Time-->

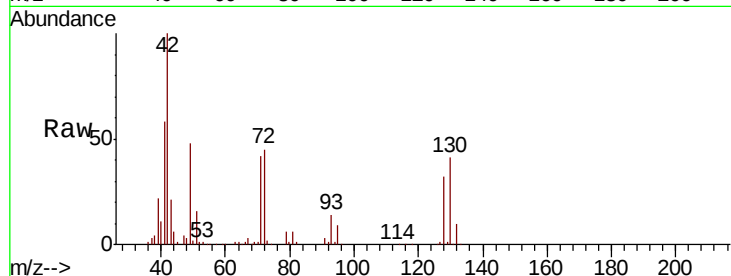




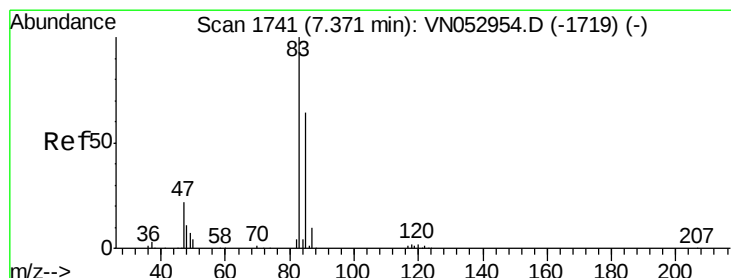
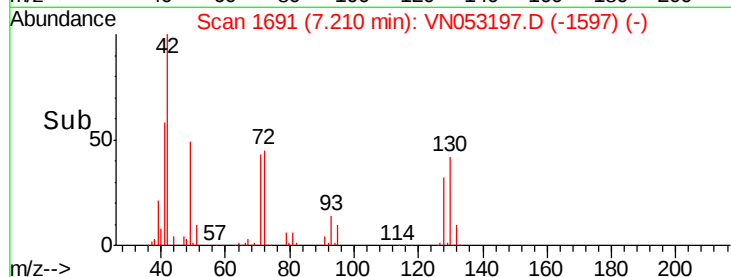
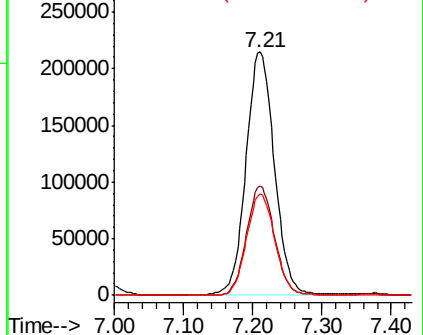
#29
Tetrahydrofuran
Concen: 273.490 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 610127
Ion Ratio Lower Upper
42 100
72 44.2 34.7 52.1
71 41.4 32.3 48.5

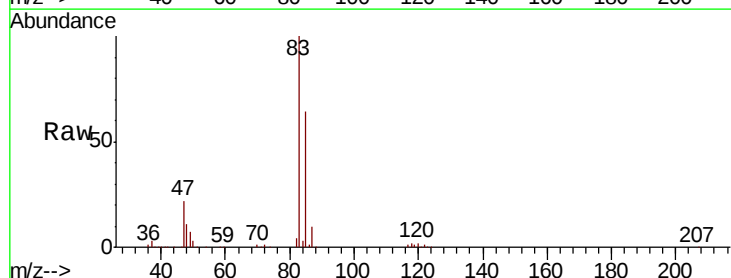


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

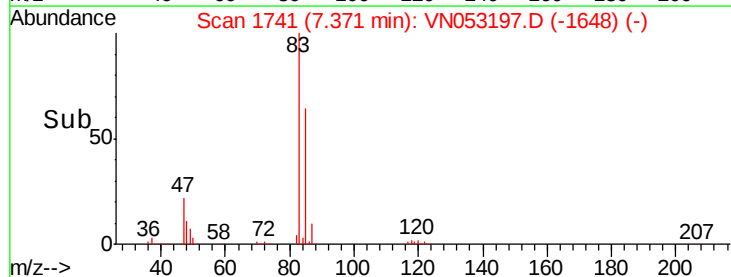
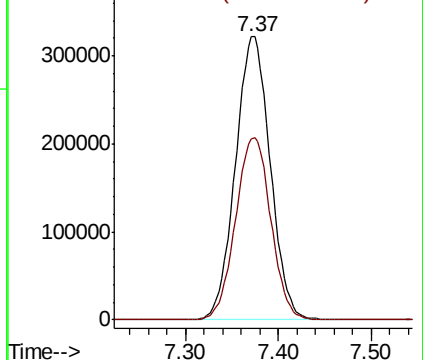


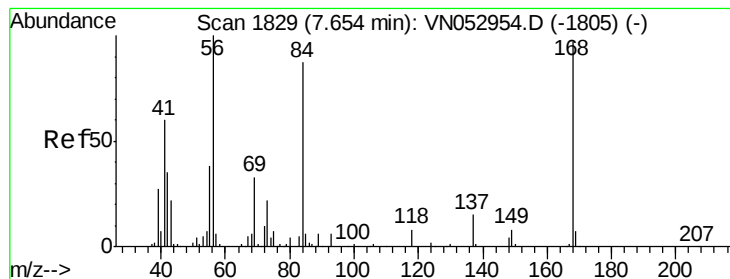
#30
Chloroform
Concen: 50.904 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion: 83 Resp: 837632
Ion Ratio Lower Upper
83 100
85 63.9 52.1 78.1



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





#31

Cvclohexane

Concen: 48.092 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

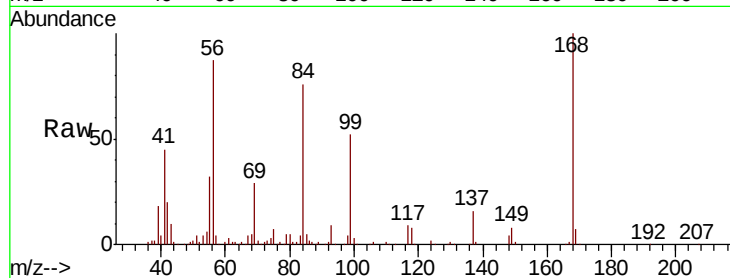
Tot Ion: 56 Resp: 756170

Ion Ratio Lower Upper

56 100

69 32.9 26.6 39.8

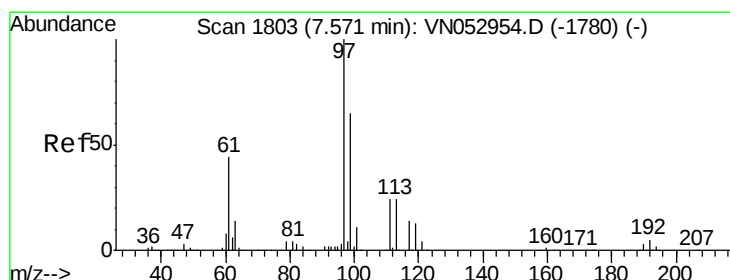
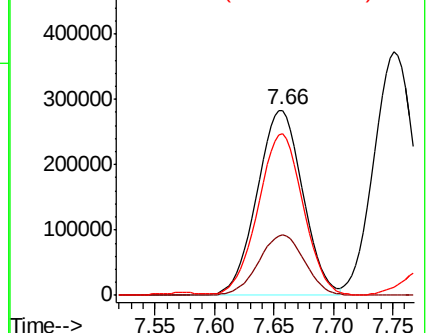
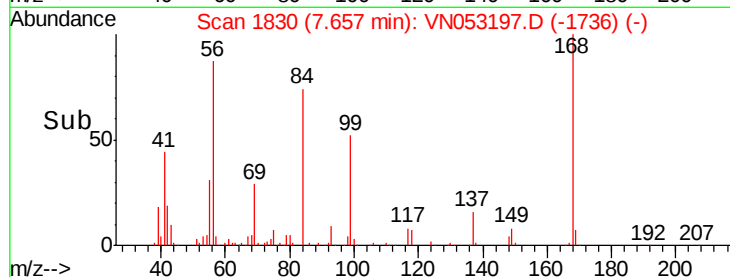
84 86.1 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN053197.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053197.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053197.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 49.497 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

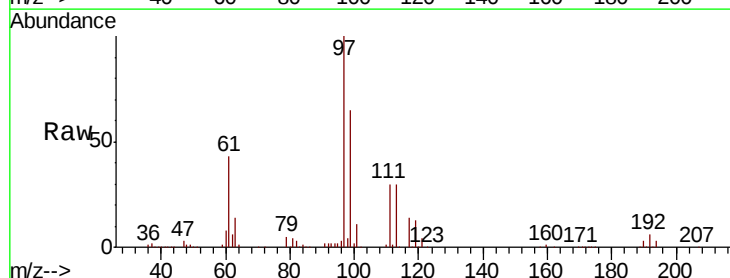
Tgt Ion: 97 Resp: 693825

Ion Ratio Lower Upper

97 100

99 64.8 51.1 76.7

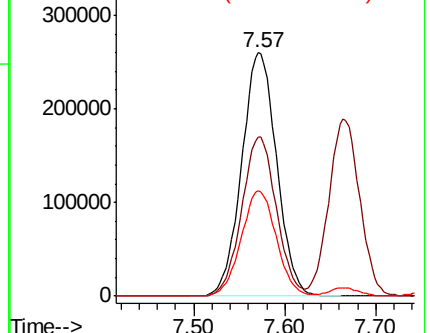
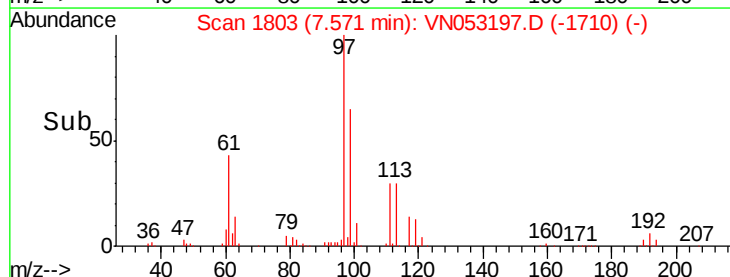
61 43.5 35.0 52.6

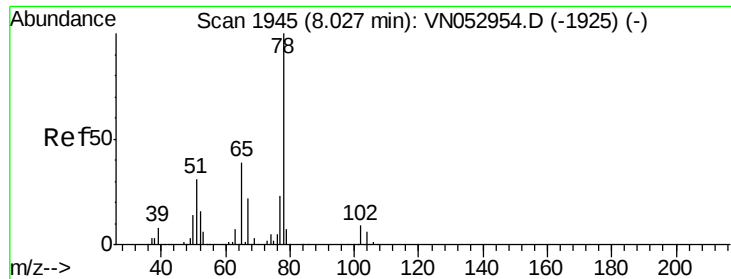


Abundance Ion 96.90 (96.60 to 97.60): VN053197.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053197.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053197.D (-1710) (-)

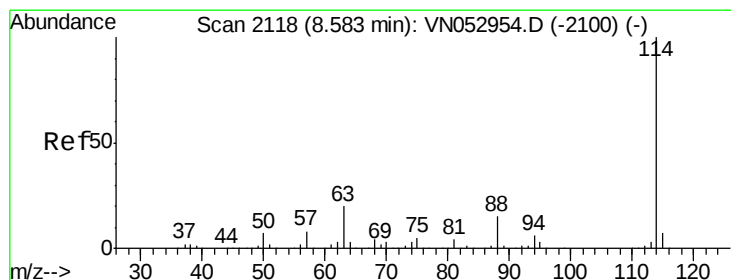
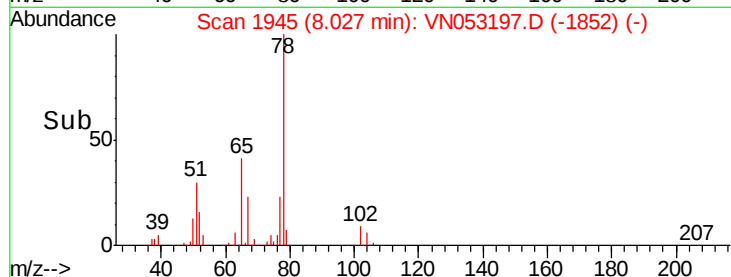
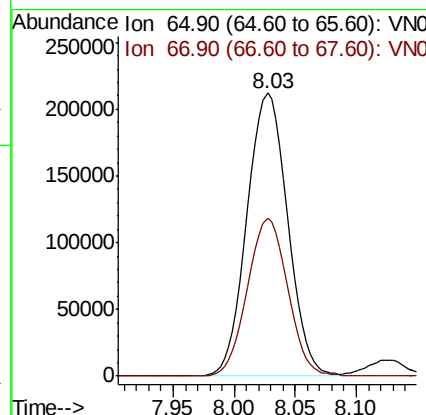
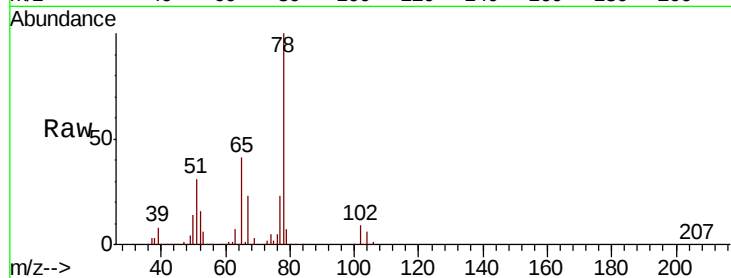




#33
 1,2-Dichloroethane-d4
 Concen: 49.497 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

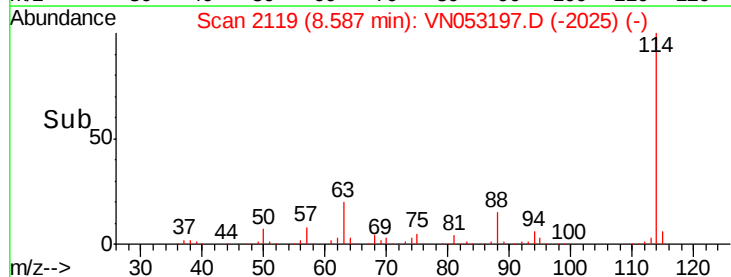
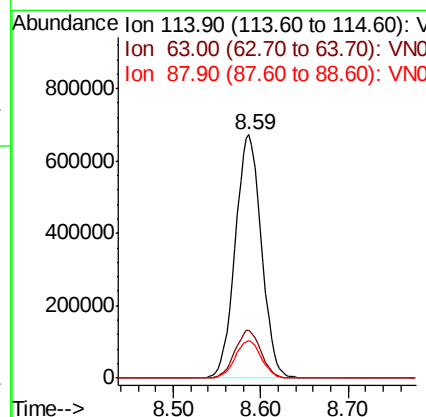
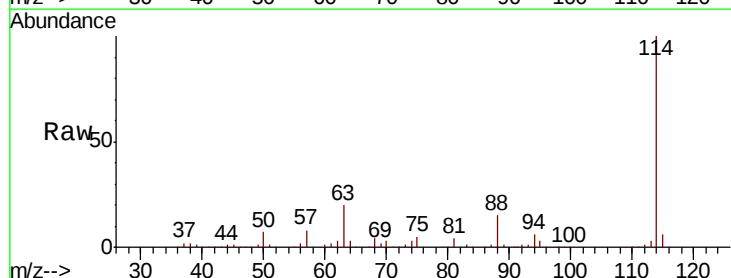
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

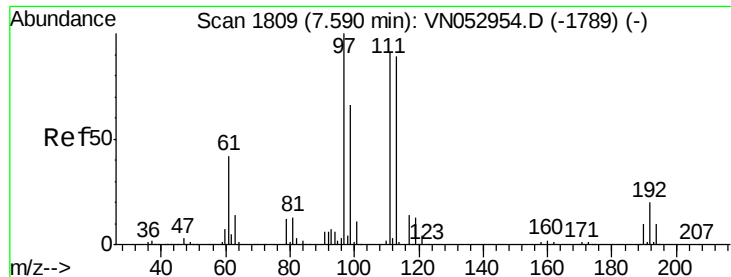
Tot Ion: 65 Resp: 490660
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Tgt Ion: 114 Resp: 1391878
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.3 0.0 31.0

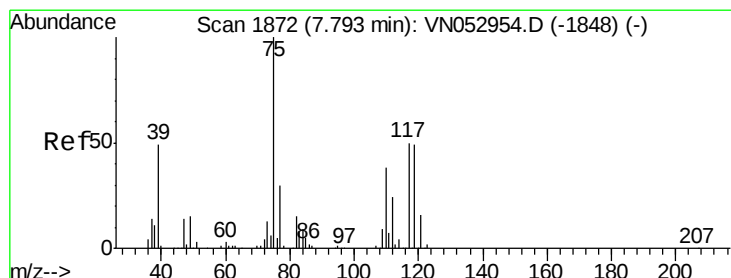
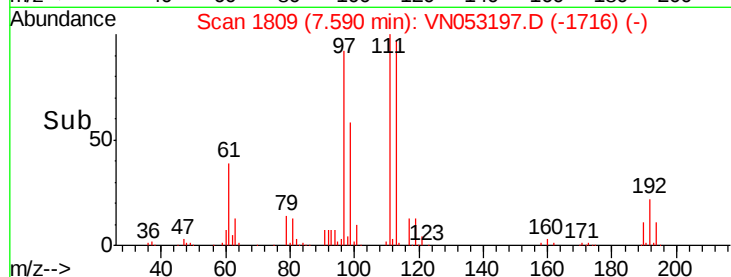
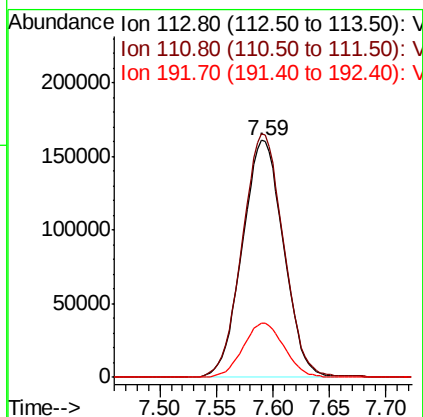
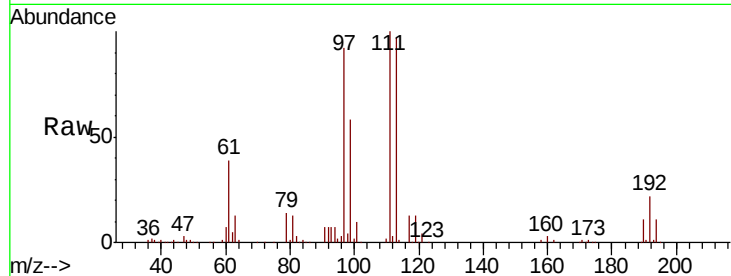




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

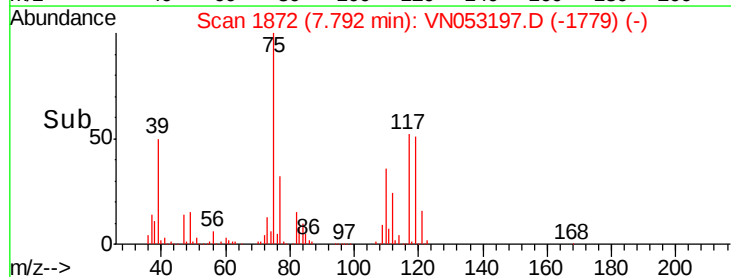
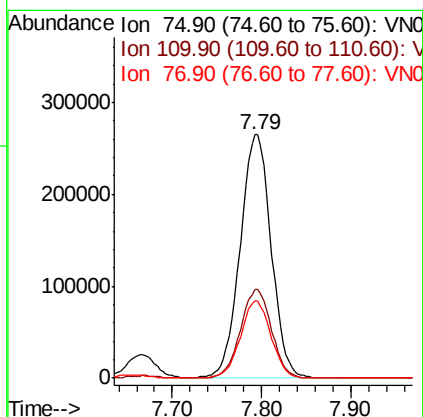
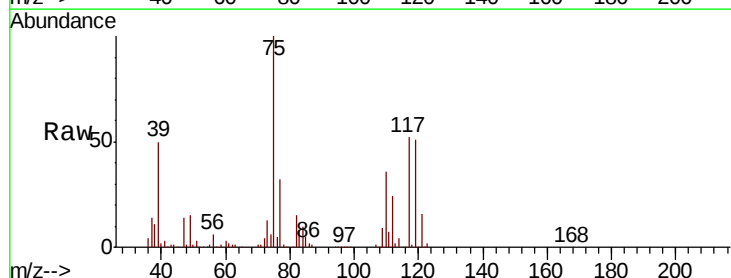
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

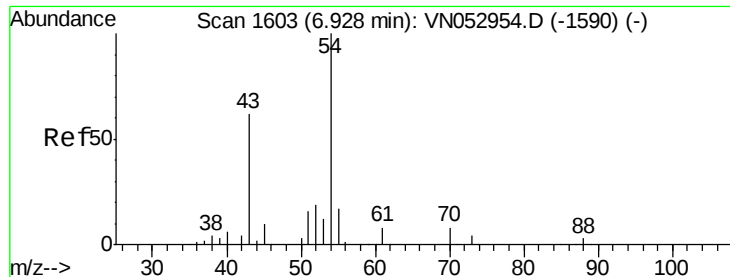
Tot Ion:113 Resp: 408031
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.4
192 22.8 17.5 26.3



#36
1,1-Dichloropropene
Concen: 47.576 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion: 75 Resp: 635592
Ion Ratio Lower Upper
75 100
110 36.5 18.2 54.6
77 31.6 24.9 37.3

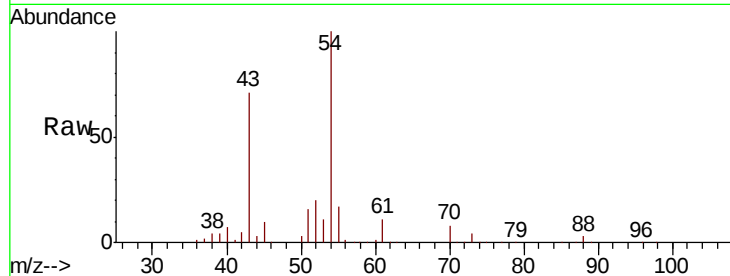




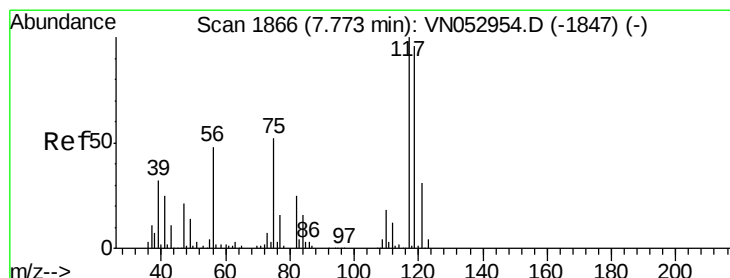
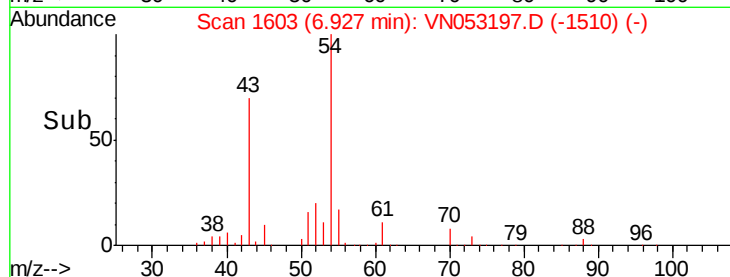
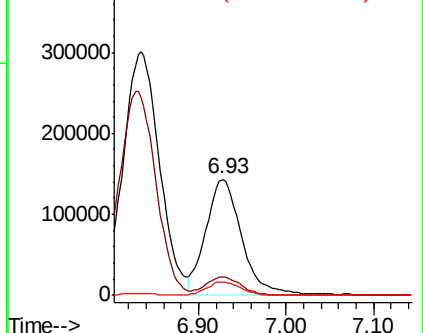
#37
Ethyl Acetate
Concen: 53.758 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 400923
Ion Ratio Lower Upper
43 100
61 15.7 11.8 17.6
70 11.0 8.4 12.6

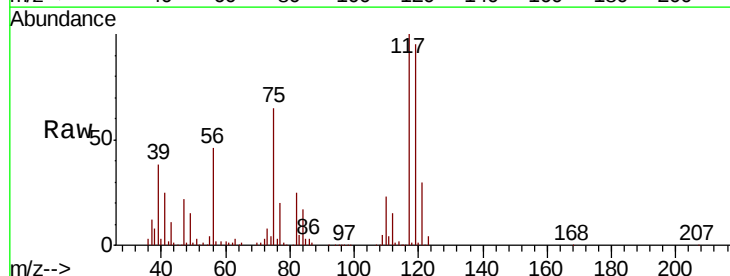


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

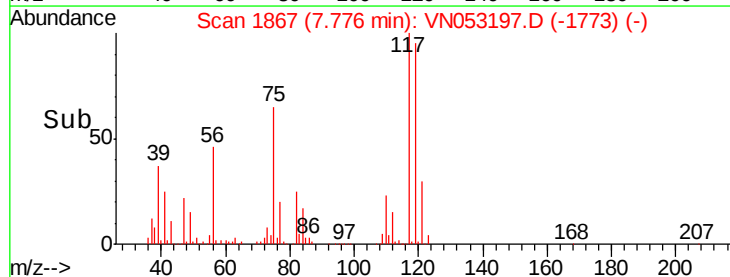
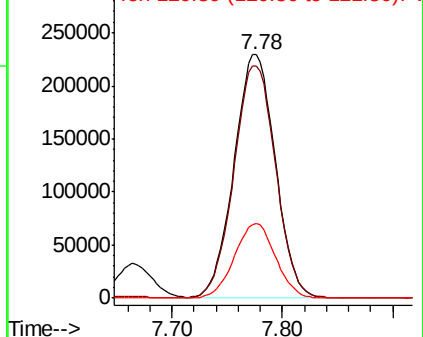


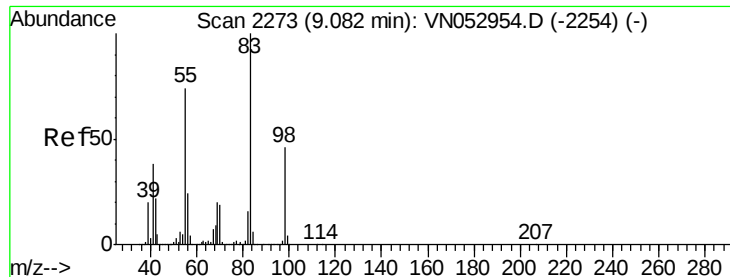
#38
Carbon Tetrachloride
Concen: 48.321 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion: 117 Resp: 591708
Ion Ratio Lower Upper
117 100
119 95.5 77.1 115.7
121 30.5 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

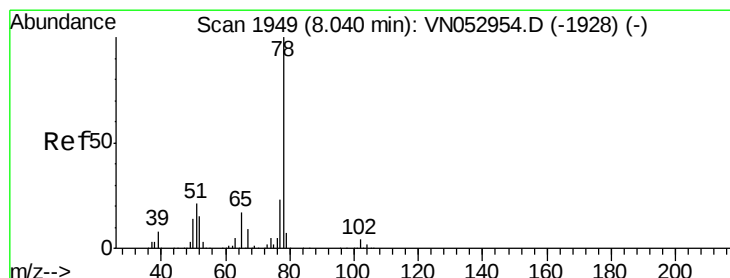
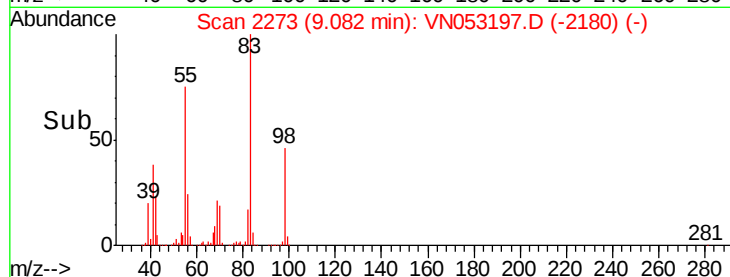
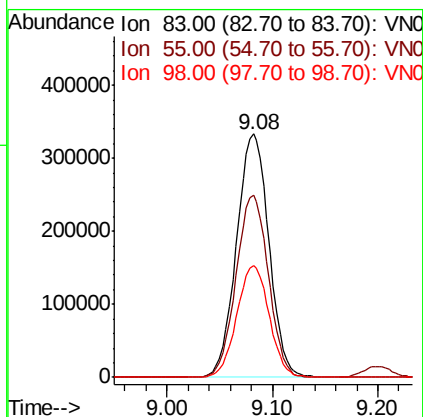
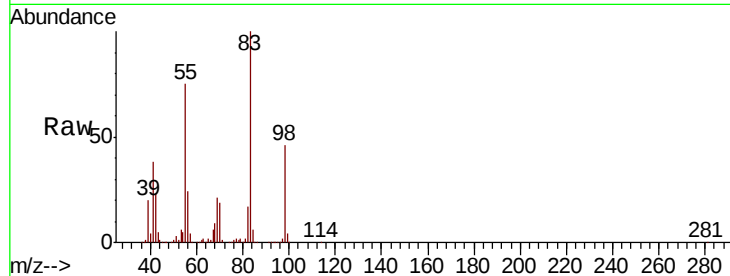




#39
Methylcyclohexane
Concen: 43.791 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

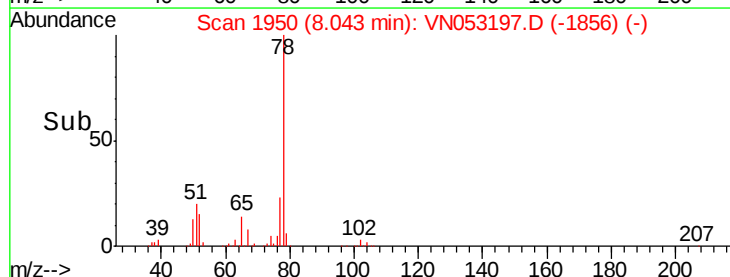
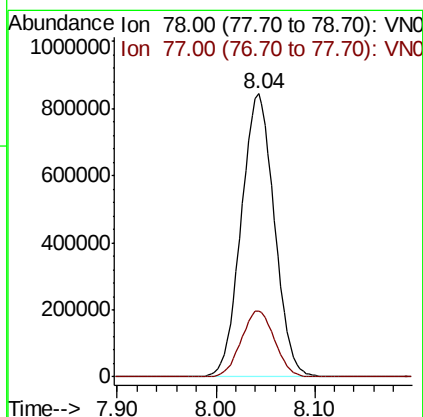
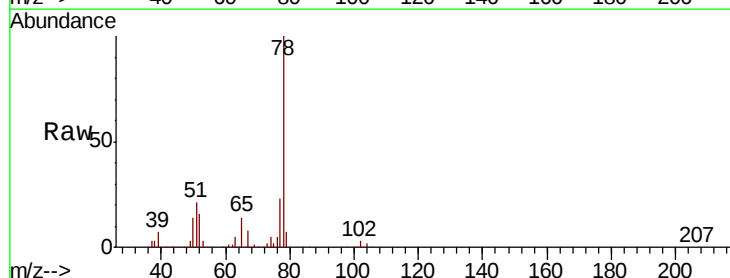
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

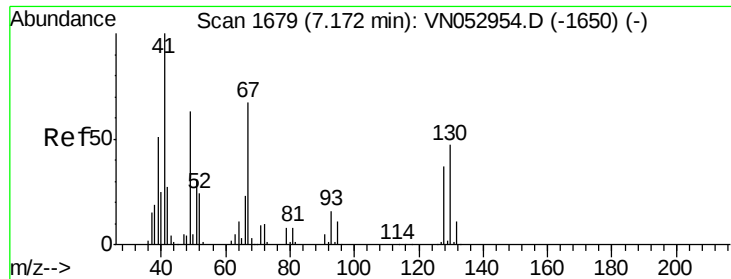
Tot Ion: 83 Resp: 710697
Ion Ratio Lower Upper
83 100
55 74.7 61.3 91.9
98 45.7 37.0 55.4



#40
Benzene
Concen: 49.281 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion: 78 Resp: 1958310
Ion Ratio Lower Upper
78 100
77 23.4 18.5 27.7

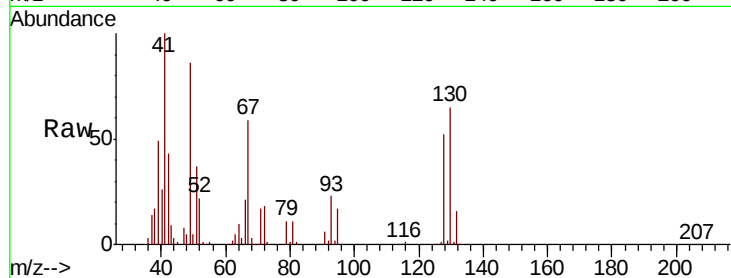




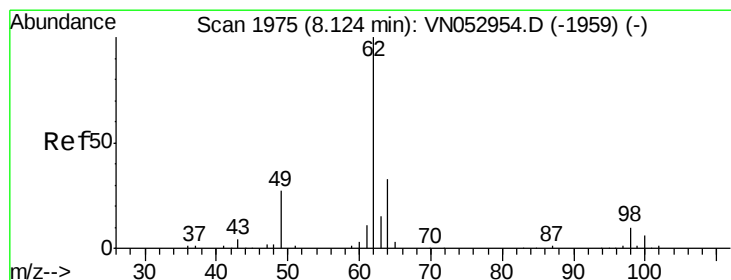
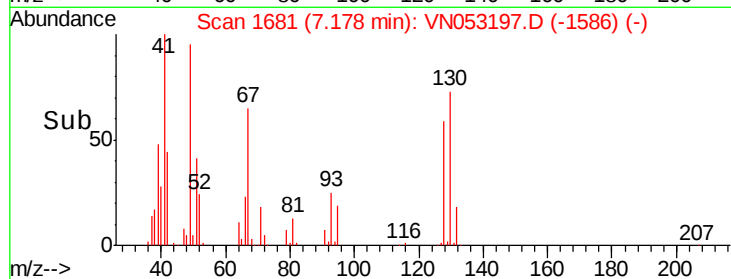
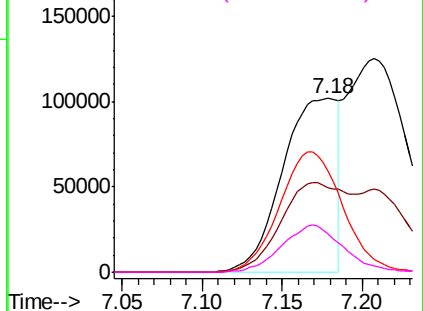
#41
Methacrylonitrile
Concen: 56.583 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 243824
Ion Ratio Lower Upper
41 100
39 63.0 48.0 72.0
67 80.2 70.3 105.5
52 29.8 26.9 40.3

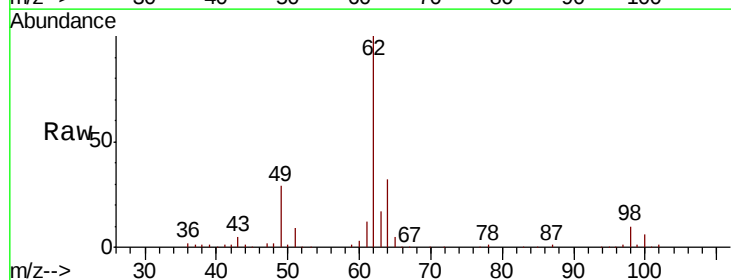


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

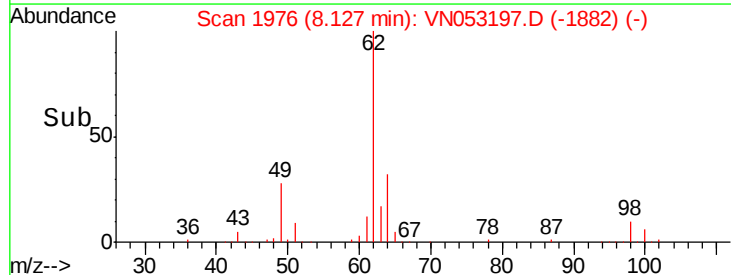
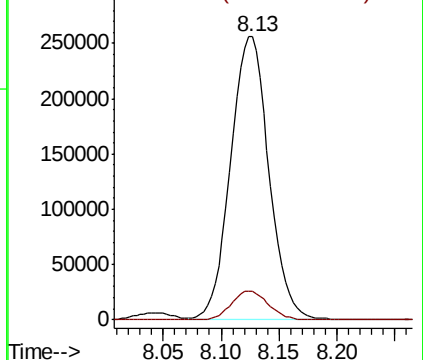


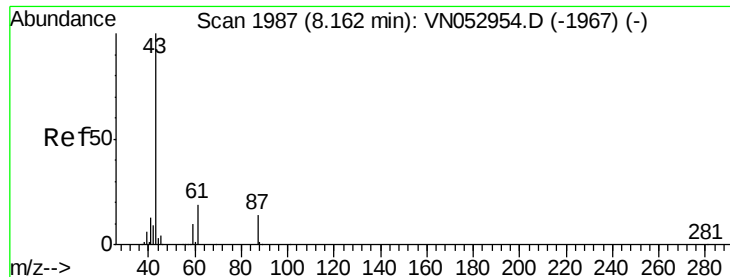
#42
1,2-Dichloroethane
Concen: 49.687 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion: 62 Resp: 583293
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 52.230 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

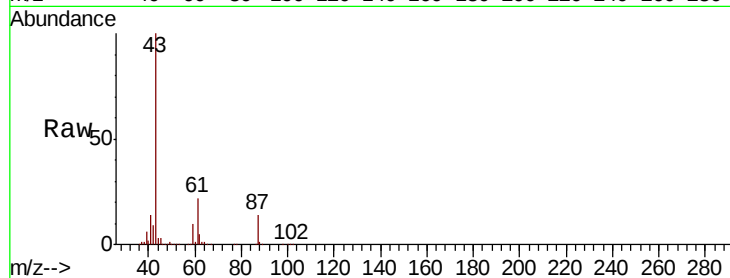
Tot Ion: 43 Resp: 753147

Ion Ratio Lower Upper

43 100

61 29.1 22.9 34.3

87 13.5 10.6 15.8

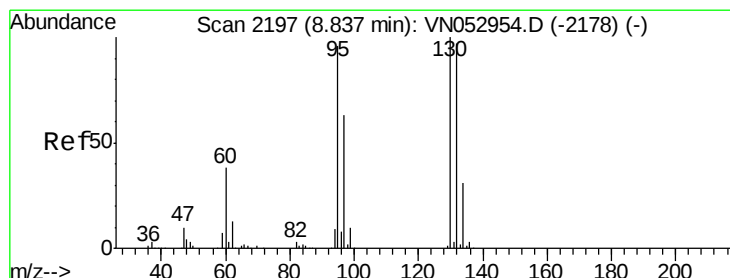
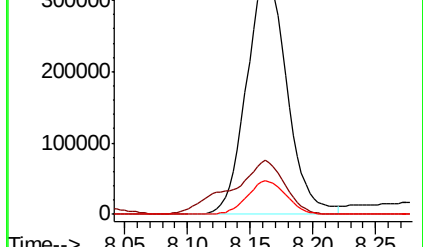
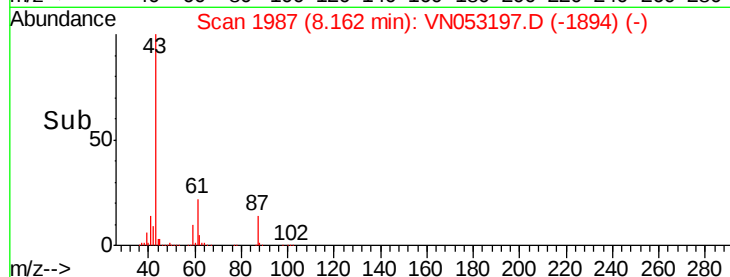


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

Time-->



#44

Trichloroethene

Concen: 46.599 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053197.D

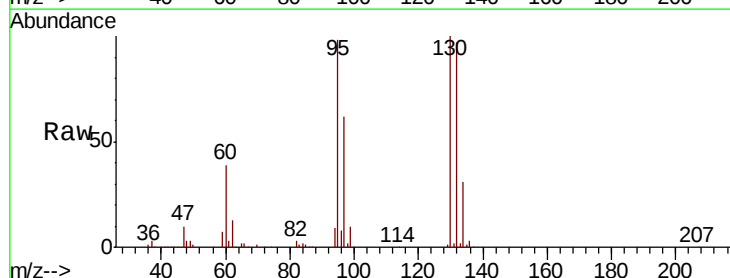
Acq: 24 Dec 2018 20:33

Tgt Ion: 130 Resp: 535603

Ion Ratio Lower Upper

130 100

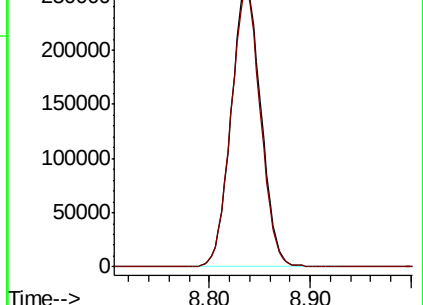
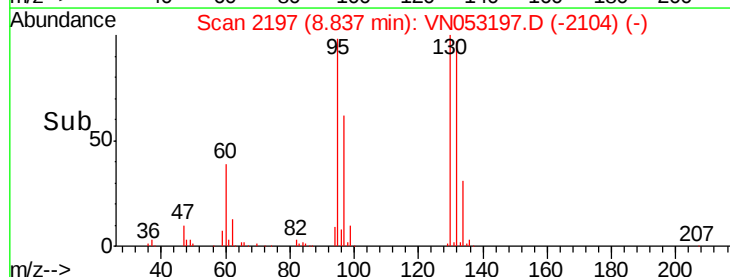
95 97.7 0.0 197.8

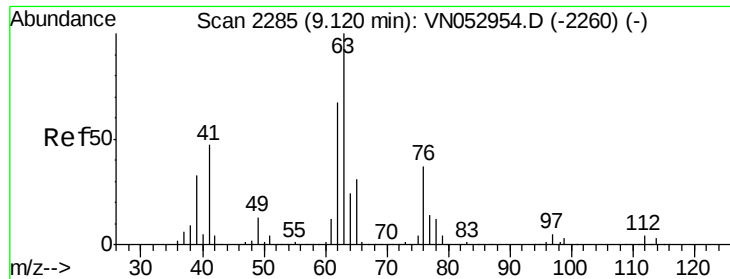


Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

Time-->

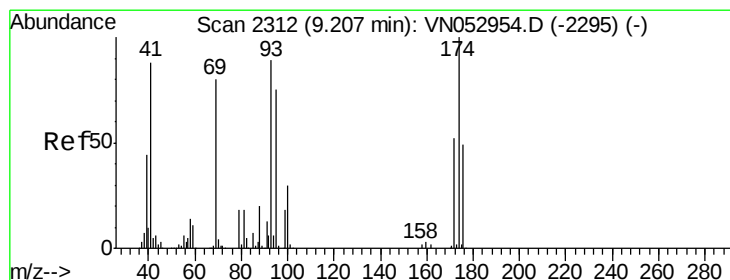
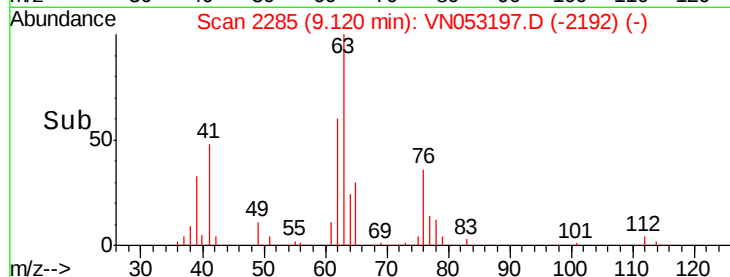
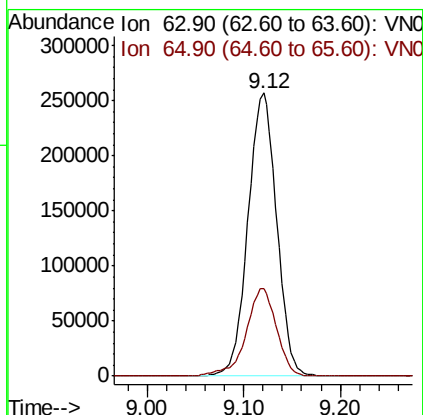
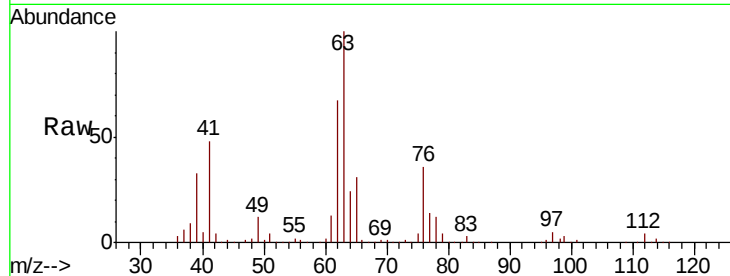




#45
 1,2-Dichloropropane
 Concen: 51.062 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

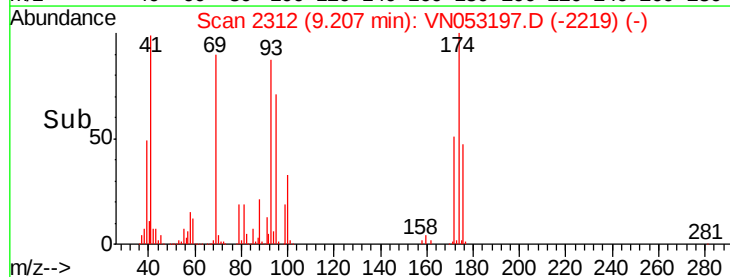
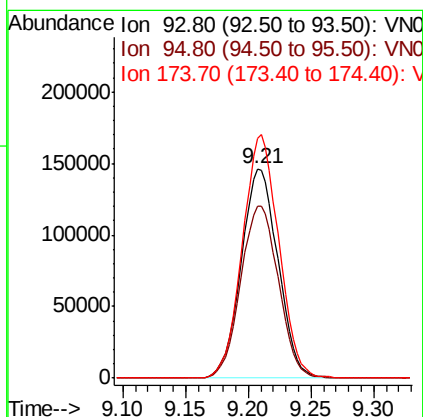
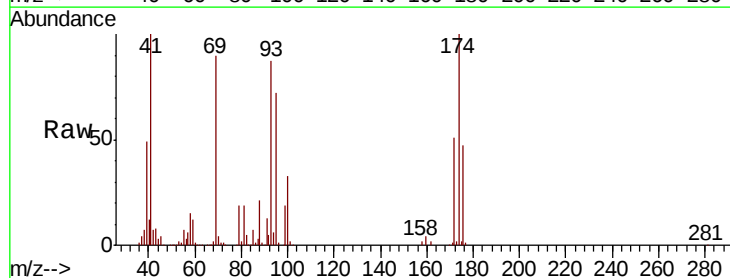
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

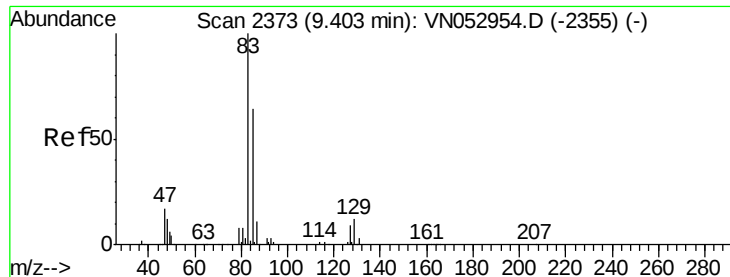
Tot Ion: 63 Resp: 528518
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 37.0



#46
 Dibromomethane
 Concen: 49.456 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Tgt Ion: 93 Resp: 298202
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.8 101.6
 174 115.2 89.0 133.4





#47

Bromodichloromethane

Concen: 50.060 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

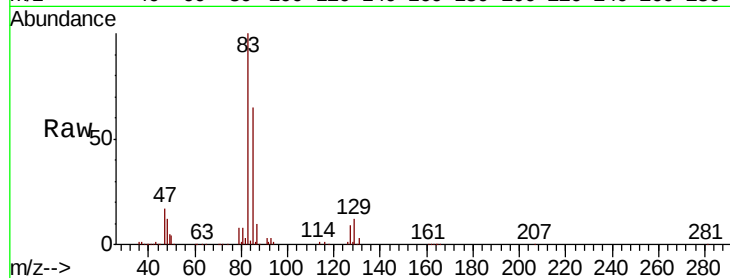
Tot Ion: 83 Resp: 641622

Ion Ratio Lower Upper

83 100

85 64.7 51.6 77.4

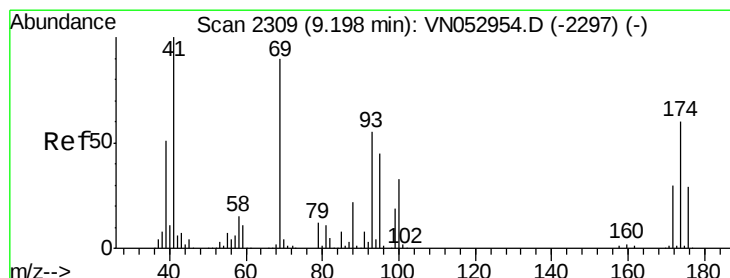
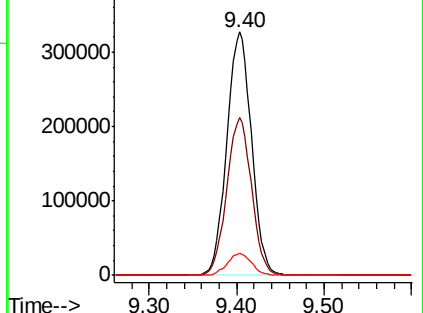
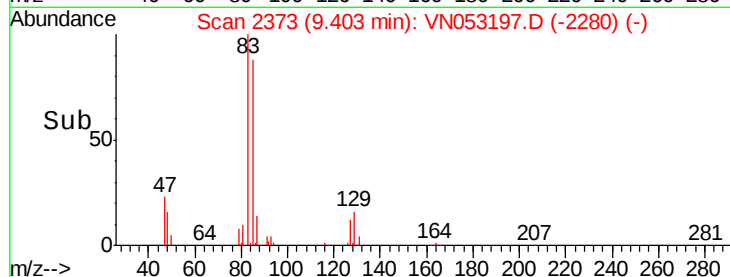
127 9.0 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN053197.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053197.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053197.D (-2280) (-)



#48

Methyl methacrylate

Concen: 51.857 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

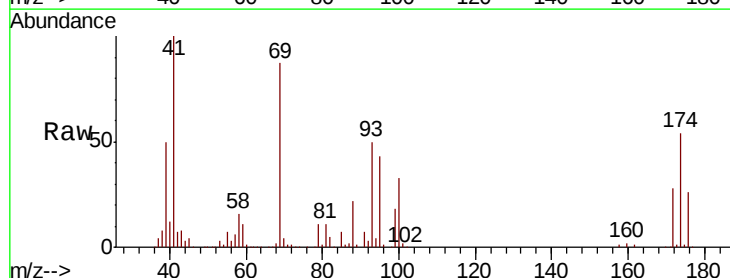
Tgt Ion: 41 Resp: 375293

Ion Ratio Lower Upper

41 100

69 91.8 72.2 108.2

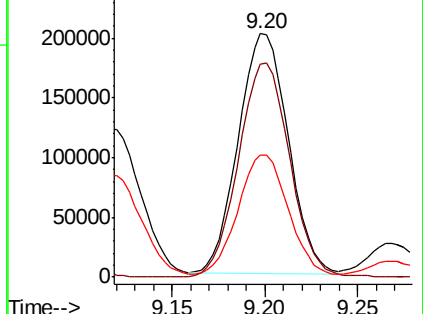
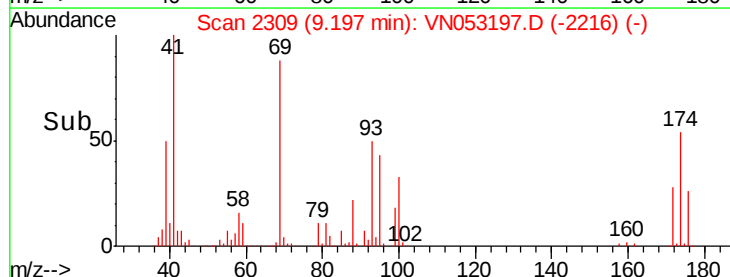
39 52.1 41.9 62.9

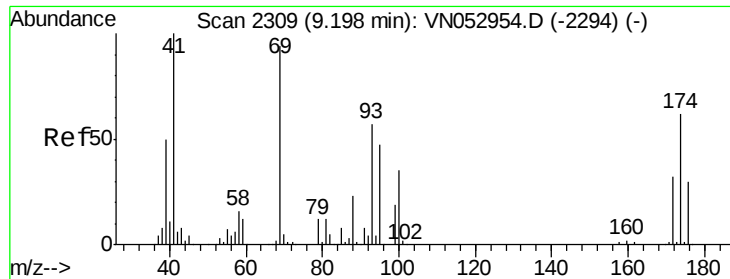


Abundance Ion 41.00 (40.70 to 41.70): VN053197.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053197.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053197.D (-2216) (-)





#49

1,4-Dioxane

Concen: 995.487 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

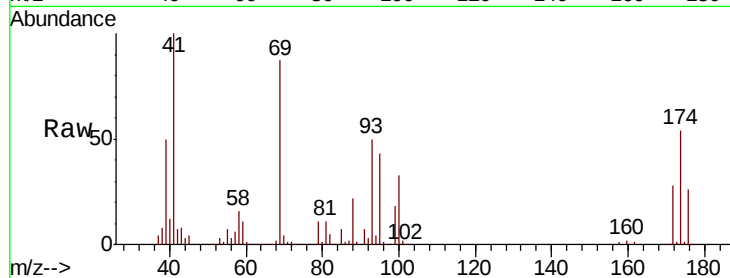
Tot Ion: 88 Resp: 91132

Ion Ratio Lower Upper

88 100

43 32.8 26.6 40.0

58 70.9 58.4 87.6

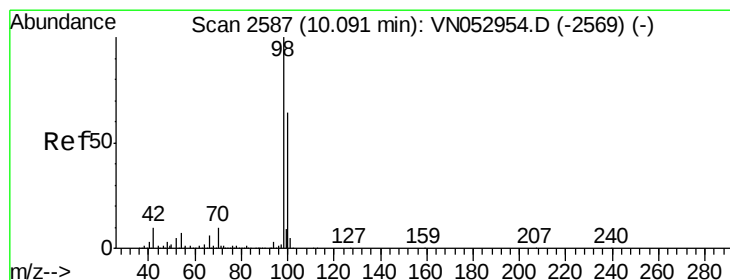
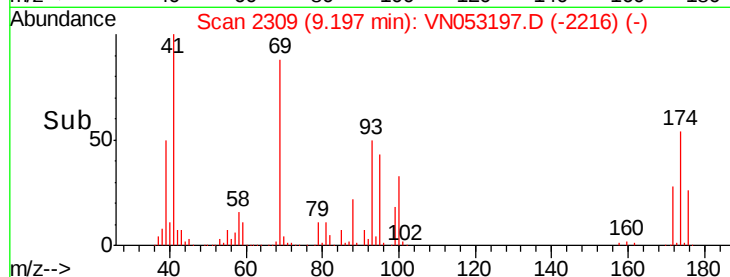
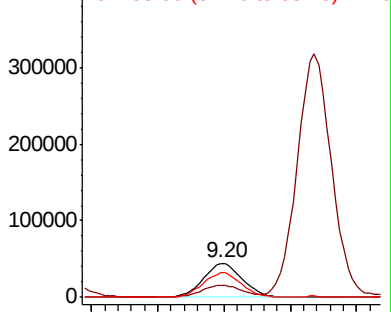


Abundance

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: 995.487 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053197.D

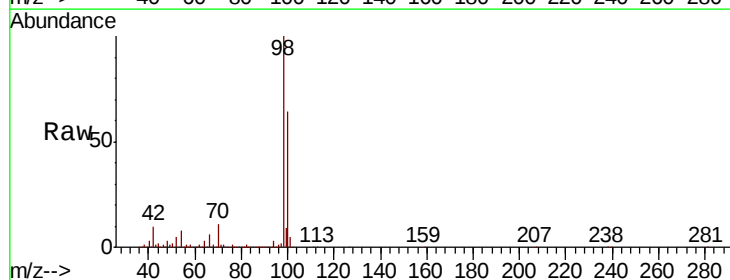
Acq: 24 Dec 2018 20:33

Tgt Ion: 98 Resp: 1751856

Ion Ratio Lower Upper

98 100

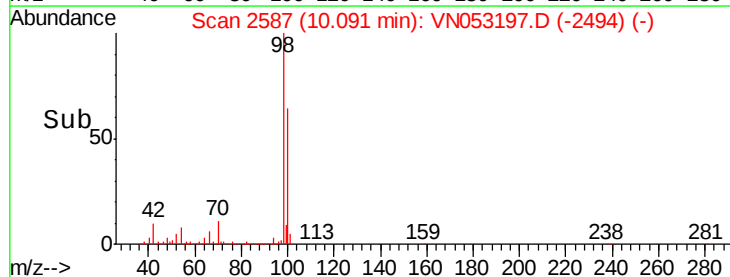
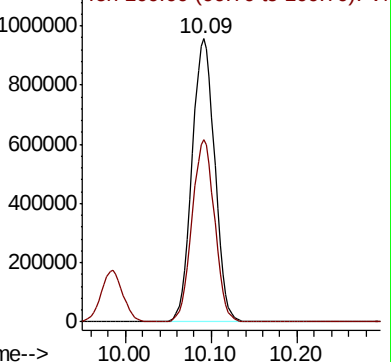
100 64.2 51.6 77.4

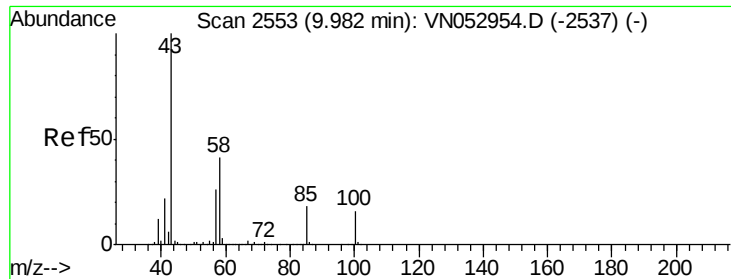


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

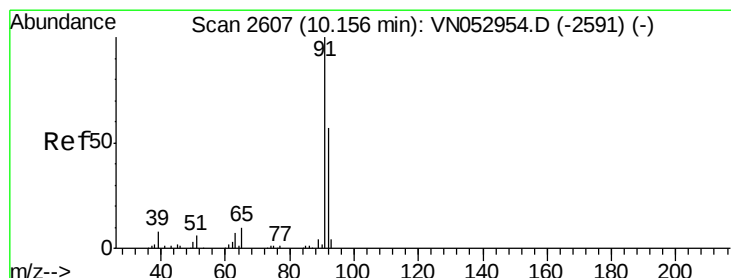
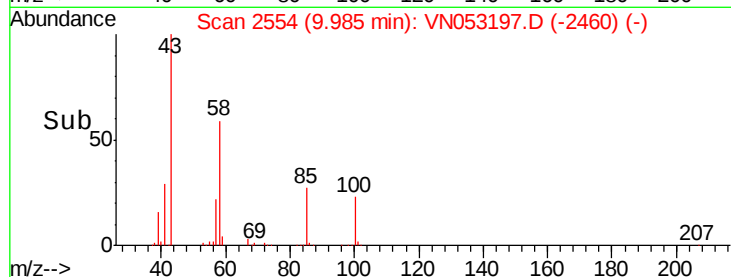
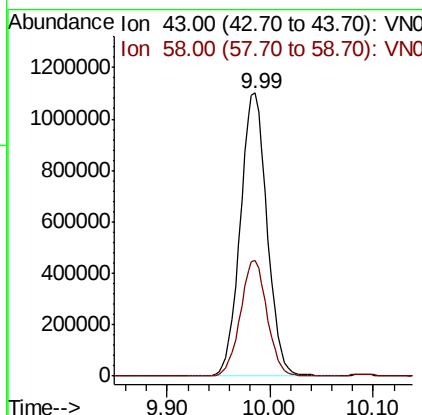
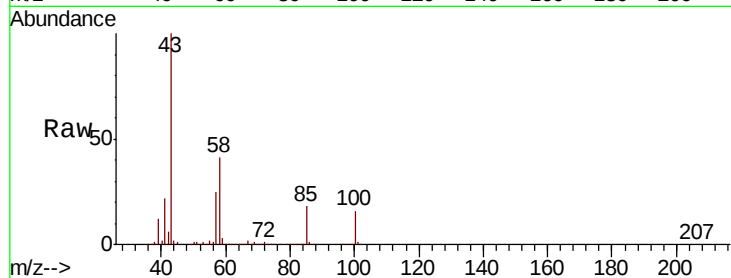




#51
 4-Methyl-2-Pentanone
 Concen: 274.623 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

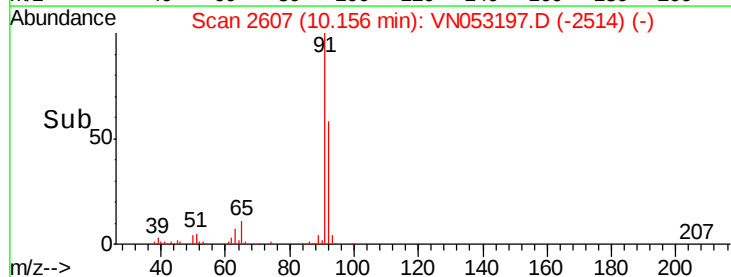
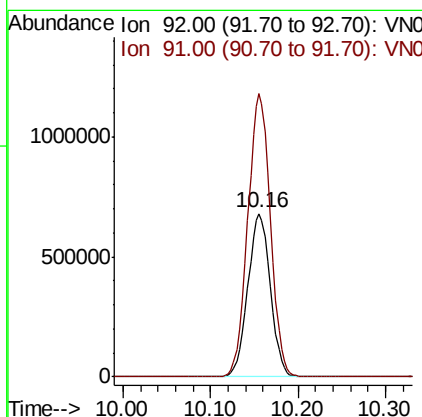
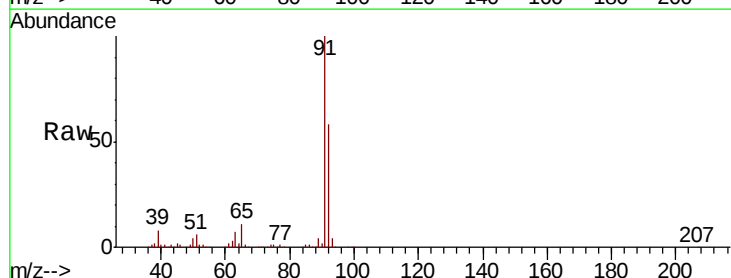
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1983457
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.2 48.4



#52
 Toluene
 Concen: 49.164 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Tgt Ion: 92 Resp: 1210948
 Ion Ratio Lower Upper
 92 100
 91 174.6 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 49.160 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

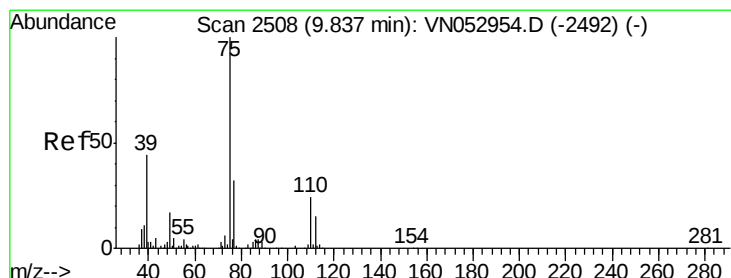
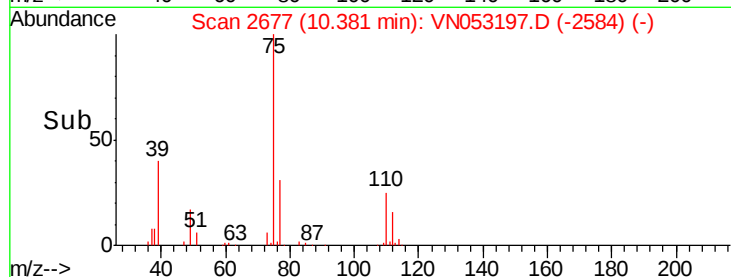
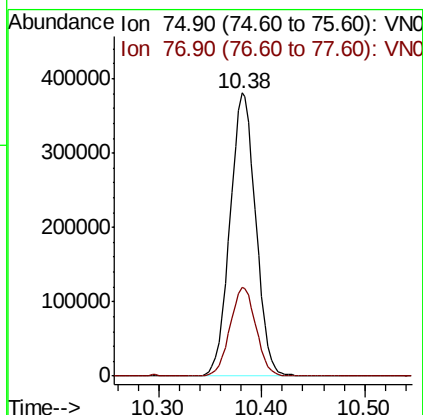
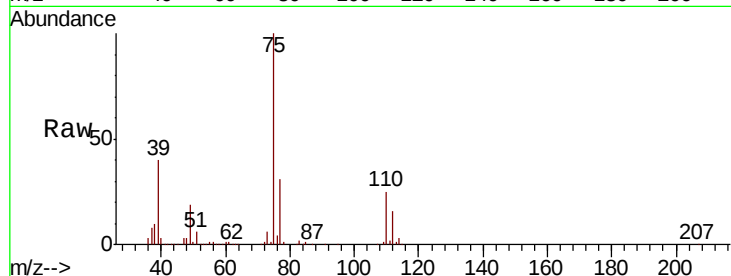
VSTDCCC050EC

Tot Ion: 75 Resp: 662568

Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 49.608 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

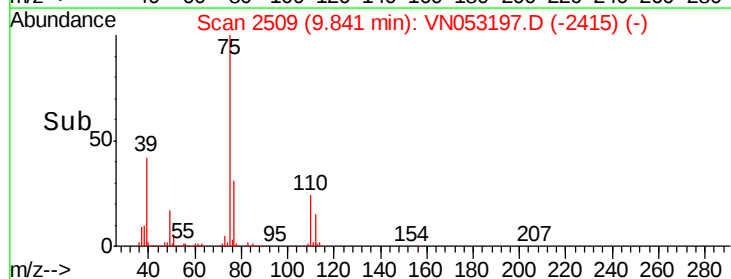
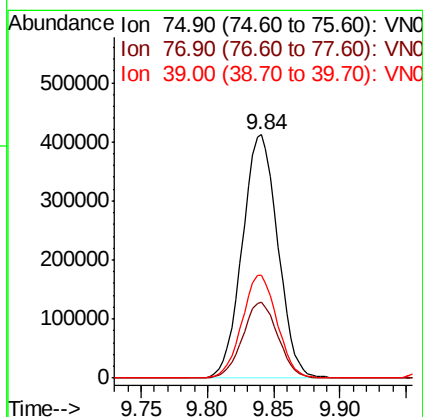
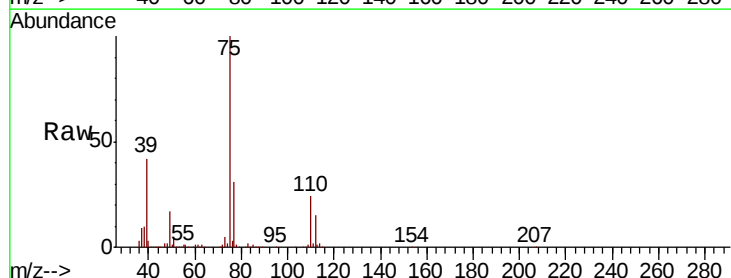
Tgt Ion: 75 Resp: 767442

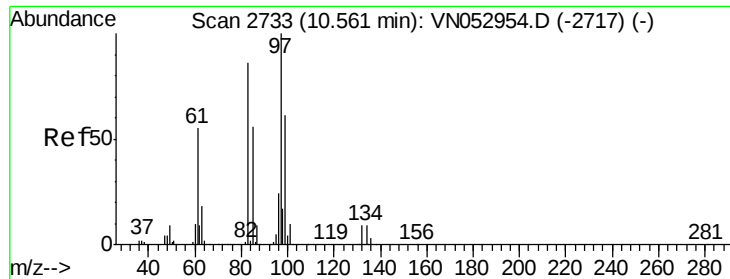
Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.8

39 42.0 34.8 52.2

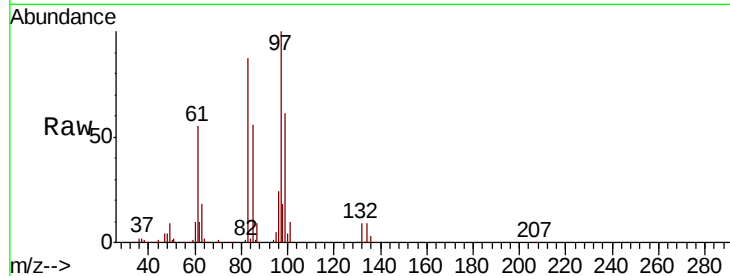




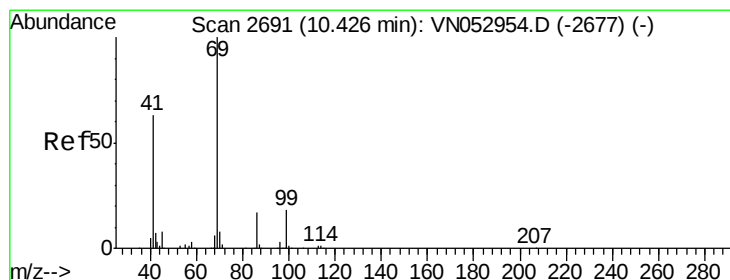
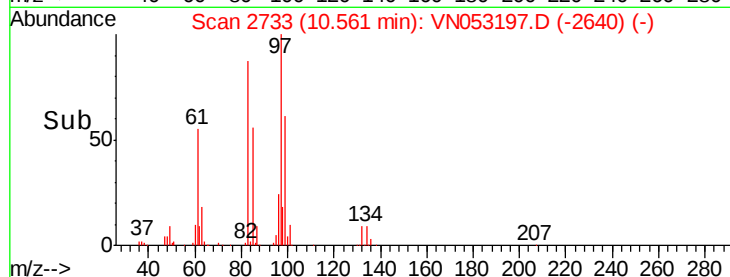
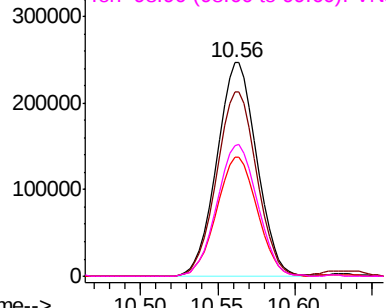
#55
 1,1,2-Trichloroethane
 Concen: 51.548 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	442949
Ion	Ratio	Lower	Upper
97	100		
83	86.6	70.9	106.3
85	55.8	45.4	68.2
99	61.4	50.4	75.6

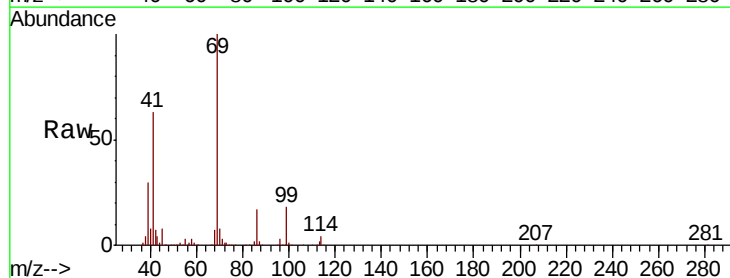


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

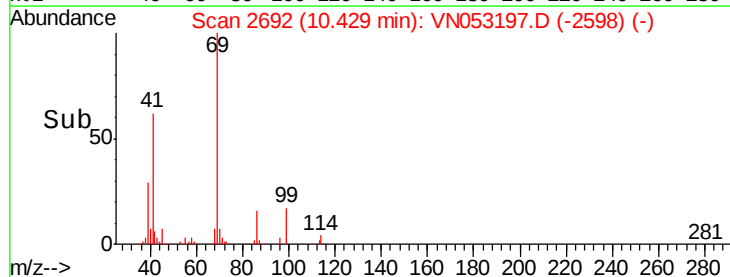
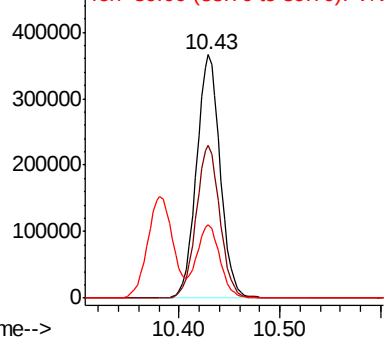


#56
 Ethyl methacrylate
 Concen: 52.818 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Tgt Ion:	69	Resp:	600719
Ion	Ratio	Lower	Upper
69	100		
41	62.2	51.7	77.5
39	29.6	24.6	37.0



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: 51.650 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

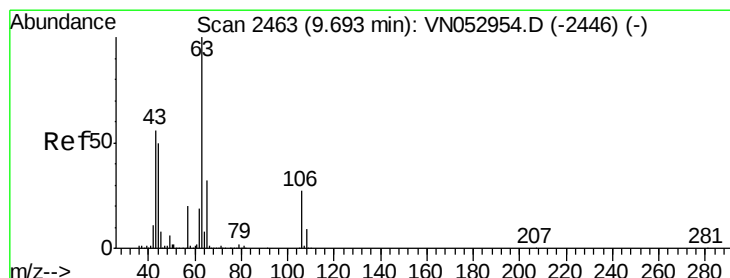
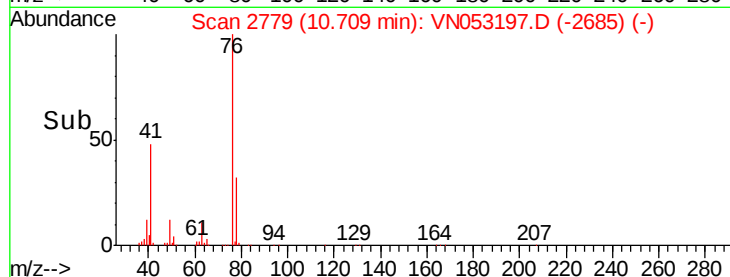
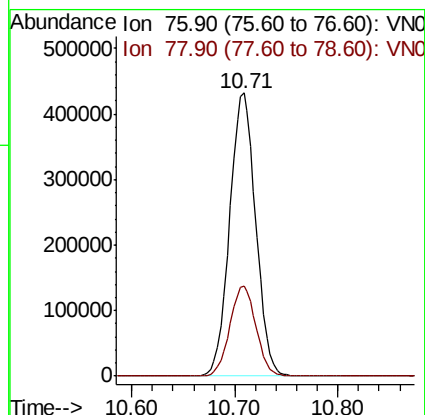
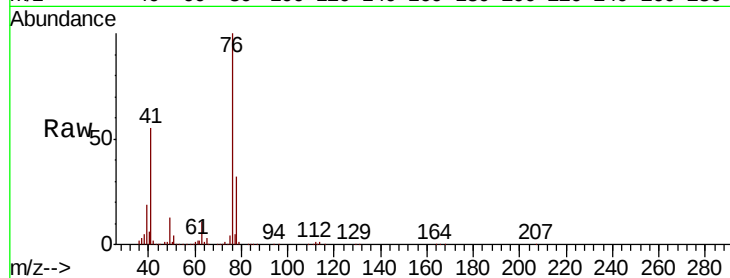
VSTDCCC050EC

Tot Ion: 76 Resp: 761079

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 263.299 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053197.D

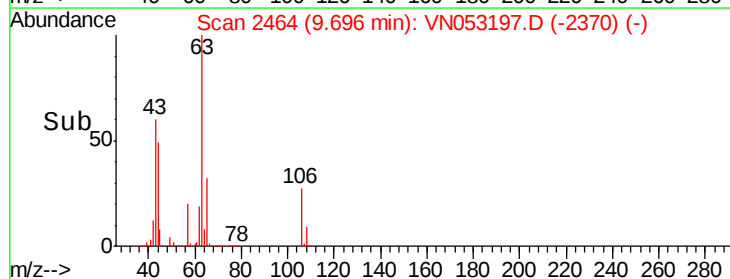
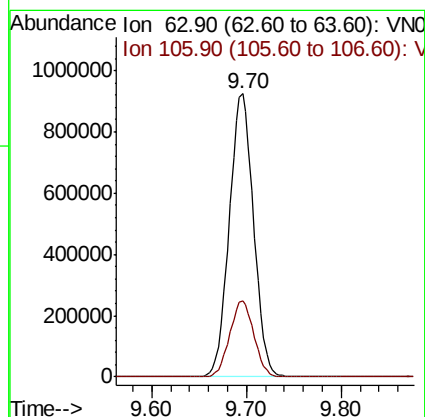
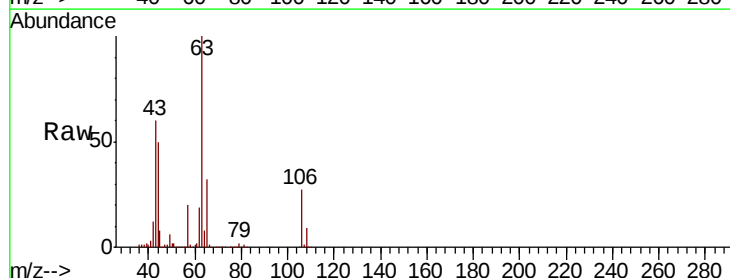
Acq: 24 Dec 2018 20:33

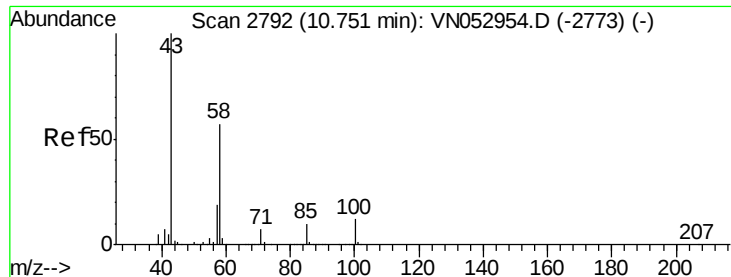
Tgt Ion: 63 Resp: 1644042

Ion Ratio Lower Upper

63 100

106 26.9 21.0 31.6

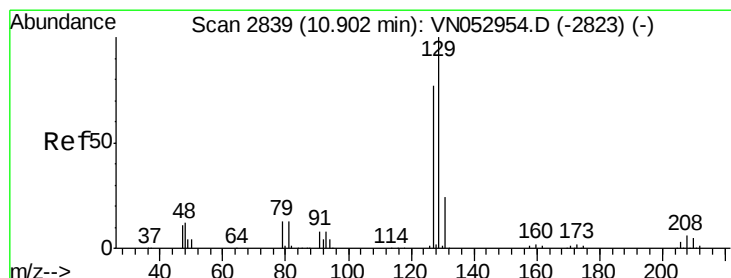
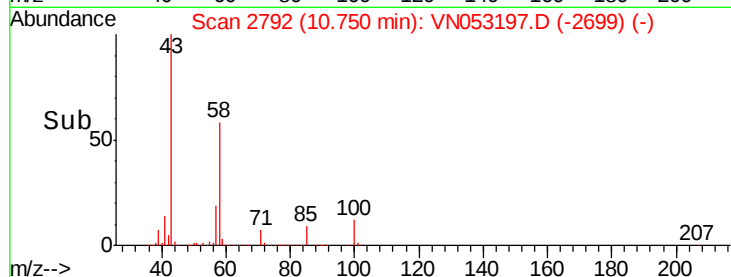
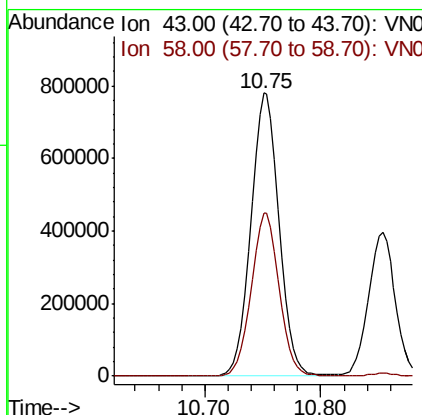
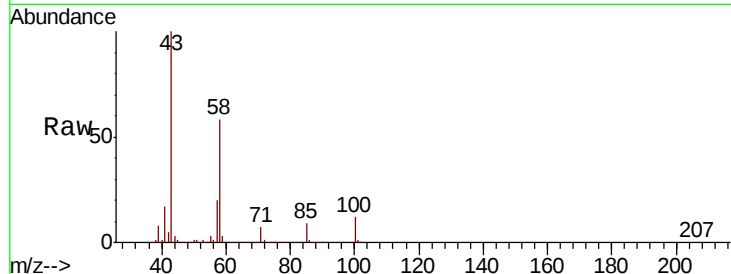




#59
2-Hexanone
Concen: 270.577 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

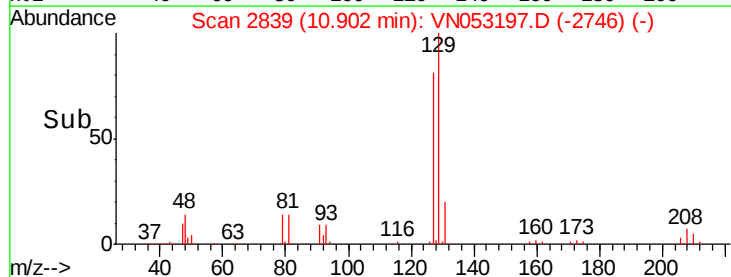
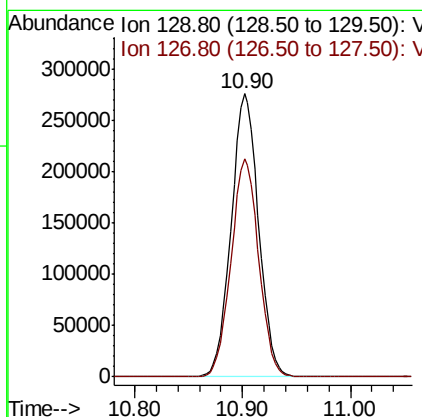
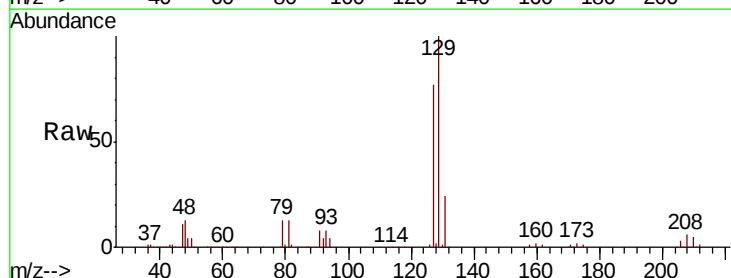
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

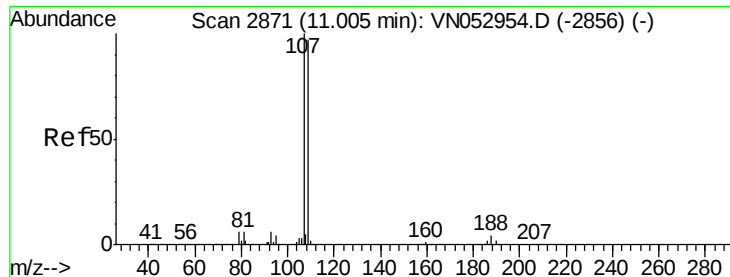
Tot Ion: 43 Resp: 1322201
Ion Ratio Lower Upper
43 100
58 57.3 28.1 84.3



#60
Dibromochloromethane
Concen: 49.661 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion: 129 Resp: 488468
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.171 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

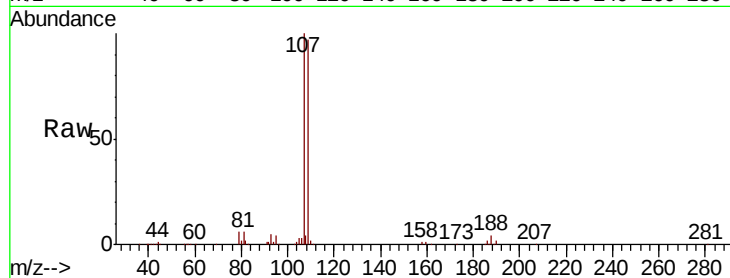
VSTDCCC050EC

Tot Ion:107 Resp: 437837

Ion Ratio Lower Upper

107 100

109 94.9 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

250000

200000

150000

100000

50000

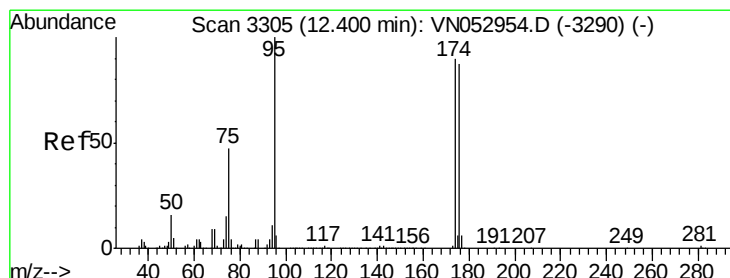
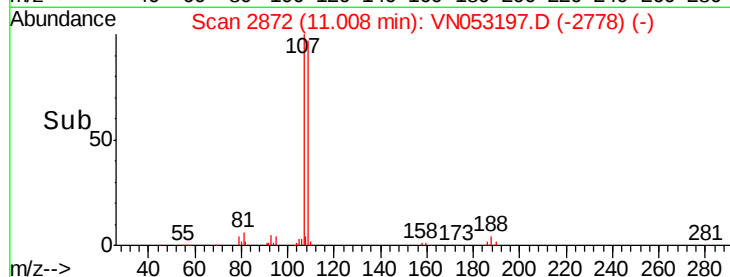
0

11.01

10.90

11.10

Time-->



#62

4-Bromofluorobenzene

Concen: 50.171 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

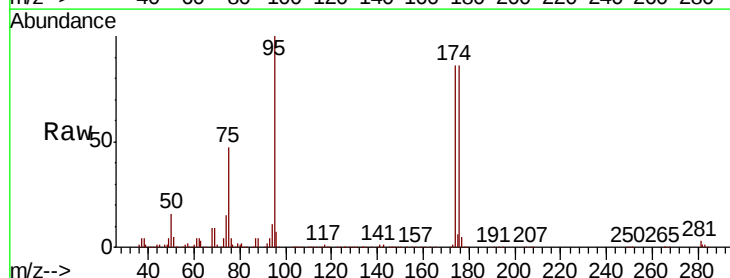
Tgt Ion: 95 Resp: 611215

Ion Ratio Lower Upper

95 100

174 89.7 0.0 178.8

176 87.7 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

500000

400000

300000

200000

100000

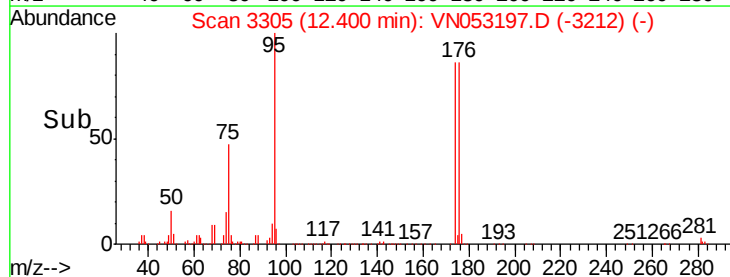
0

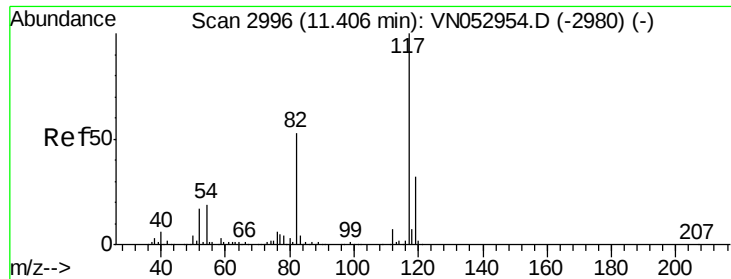
12.40

12.35

12.45

Time-->

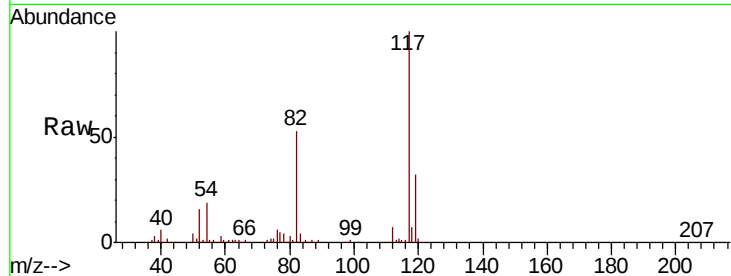




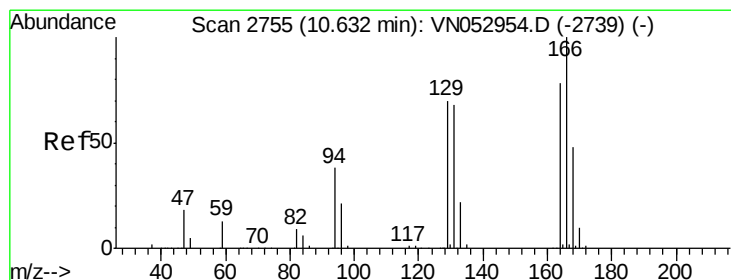
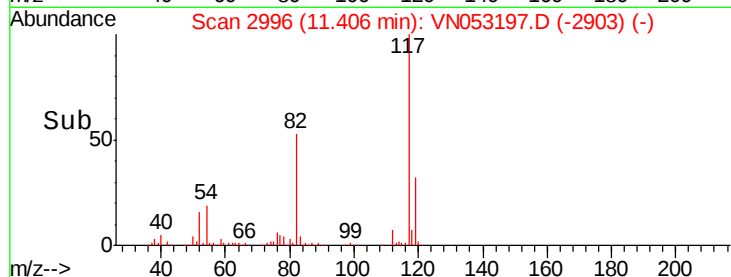
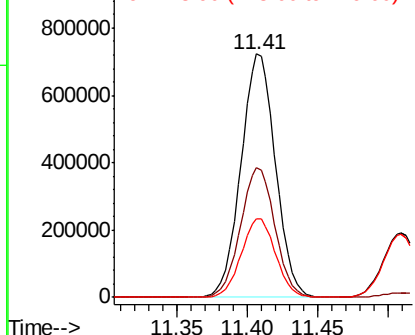
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1240143
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 32.3 25.5 38.3

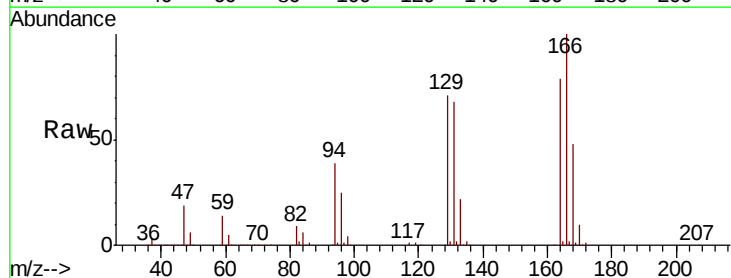


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

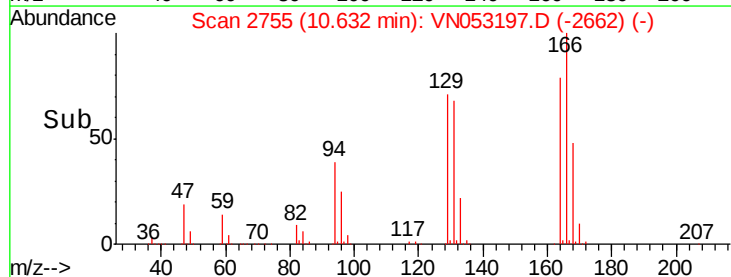
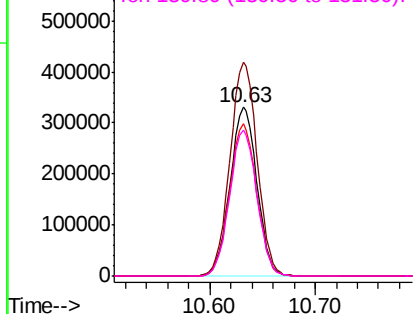


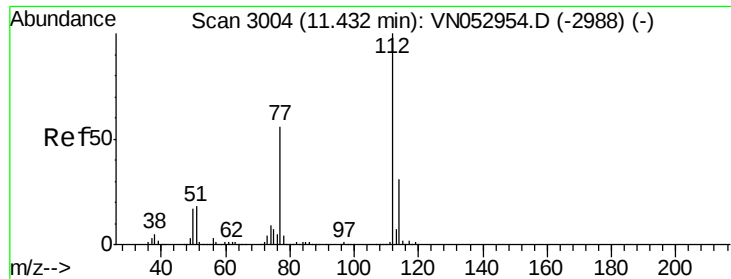
#64
Tetrachloroethene
Concen: 43.374 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion:164 Resp: 582672
Ion Ratio Lower Upper
164 100
166 126.5 102.9 154.3
129 90.0 73.7 110.5
131 86.5 70.7 106.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

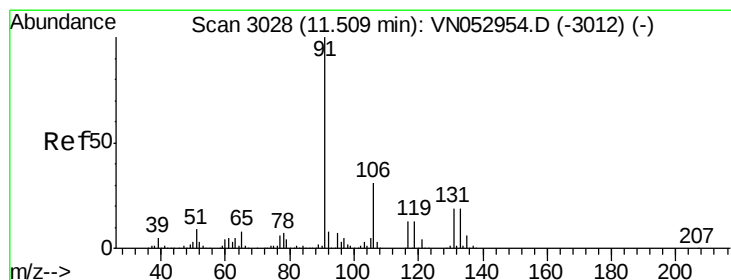
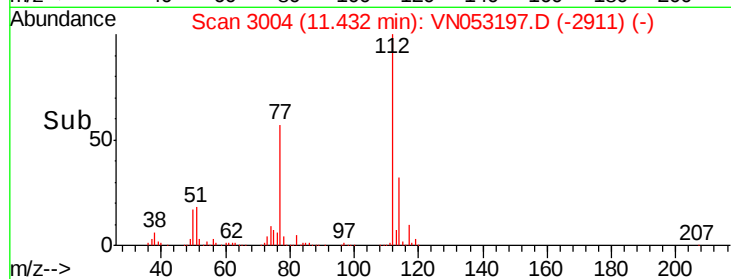
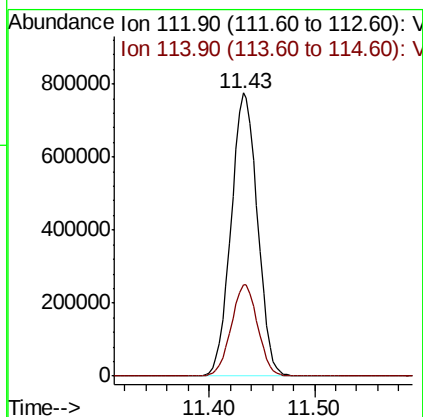
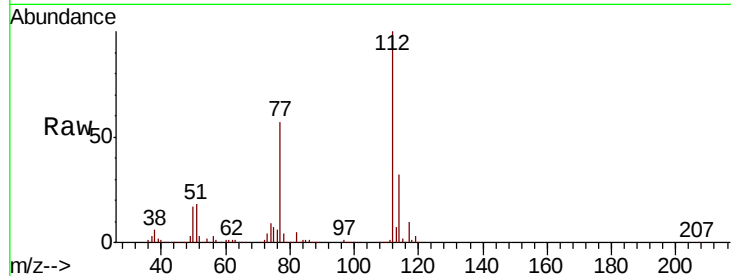




#65
Chlorobenzene
Concen: 48.767 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

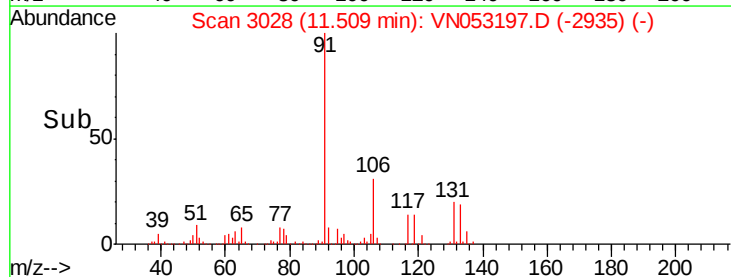
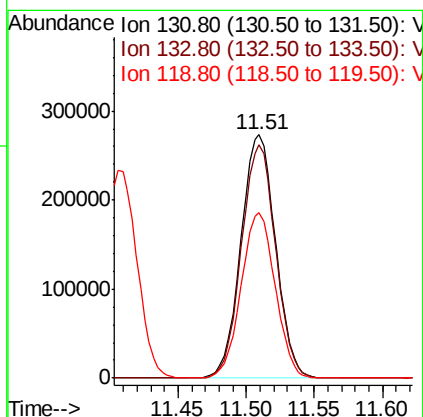
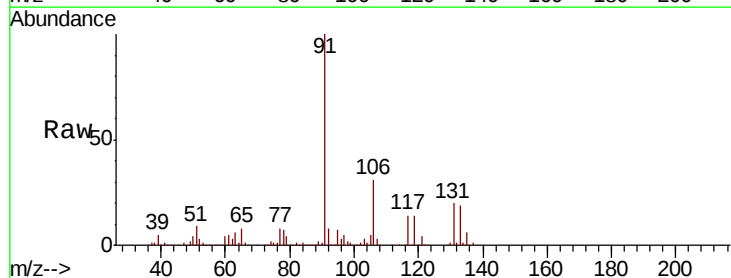
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

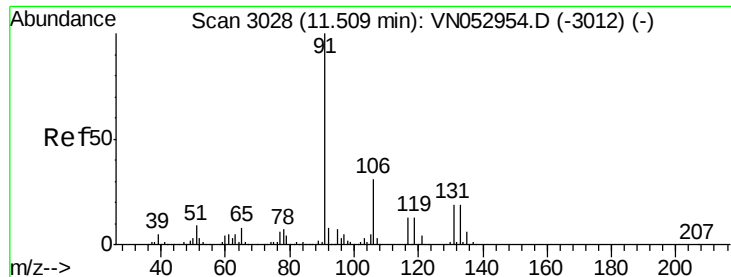
Tot Ion:112 Resp: 1340616
Ion Ratio Lower Upper
112 100
114 32.2 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 50.288 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion:131 Resp: 480738
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.9
119 67.1 33.3 99.8

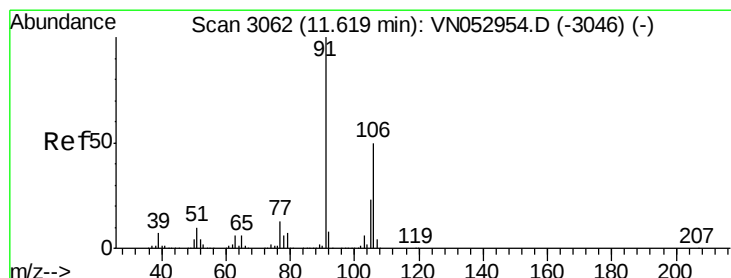
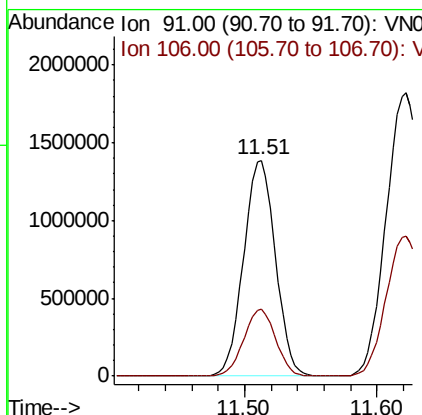
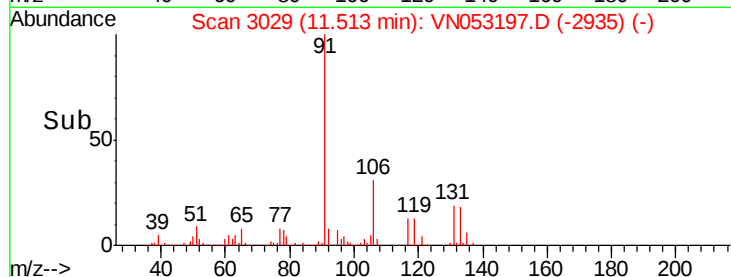
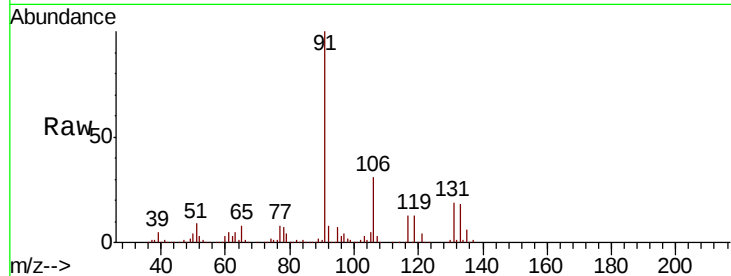




#67
Ethvl Benzene
Concen: 48.866 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

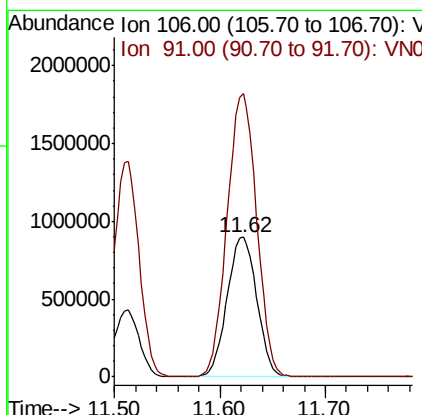
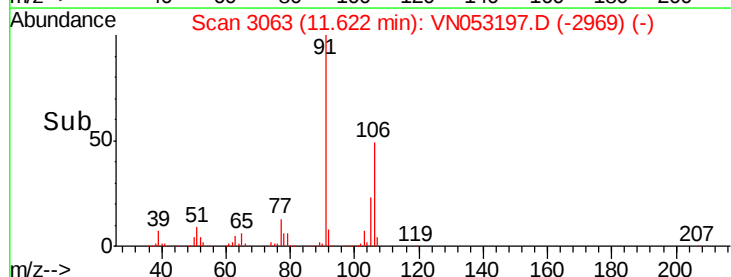
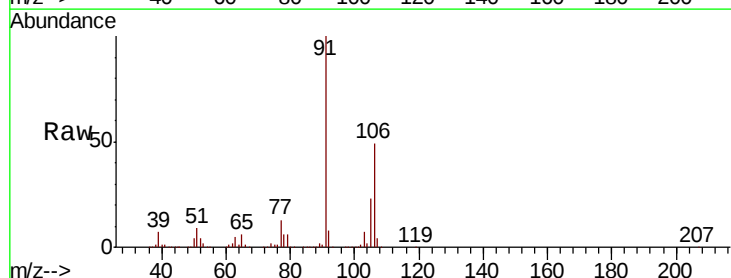
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

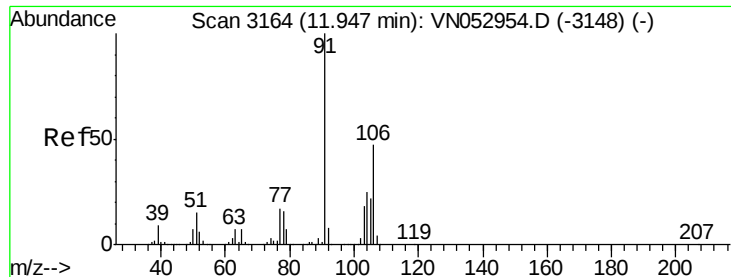
Tot Ion: 91 Resp: 2310225
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3



#68
m/p-Xylenes
Concen: 97.203 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion:106 Resp: 1746973
Ion Ratio Lower Upper
106 100
91 201.8 162.2 243.4

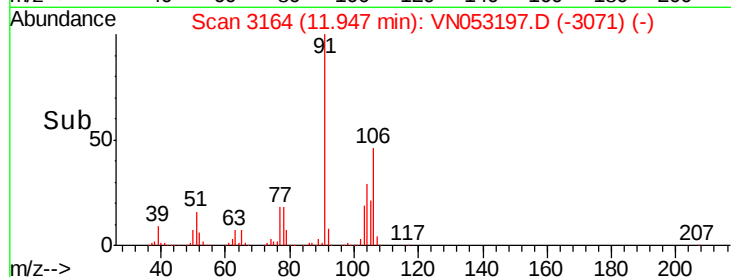
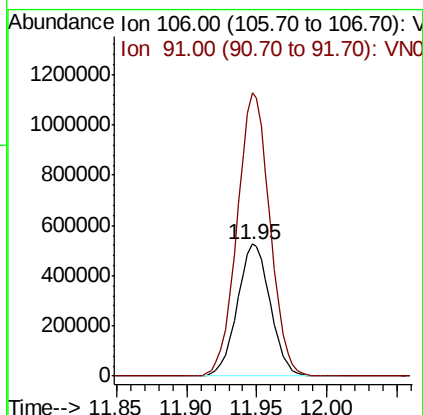
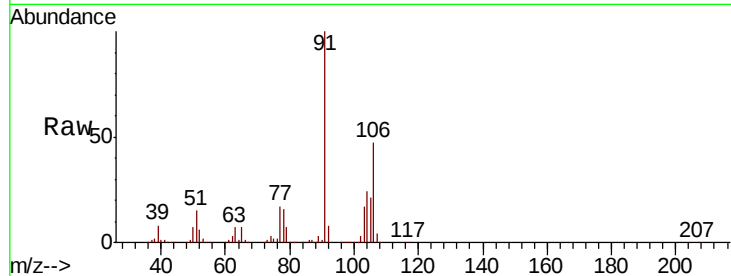




#69
o-Xylene
Concen: 49.743 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

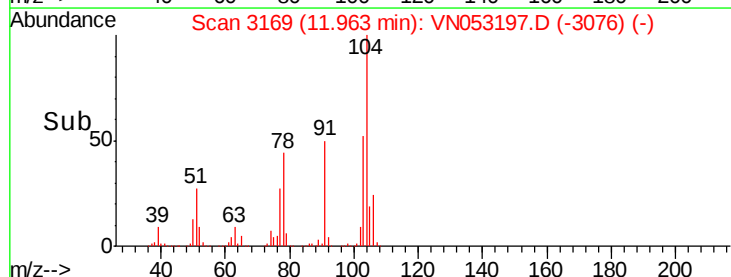
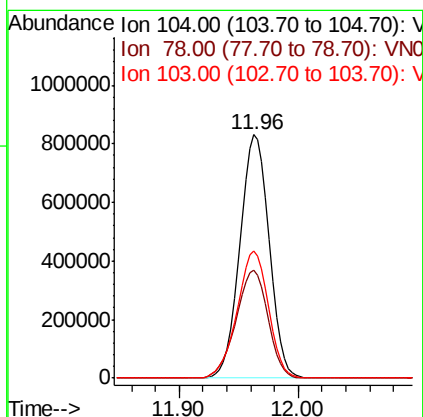
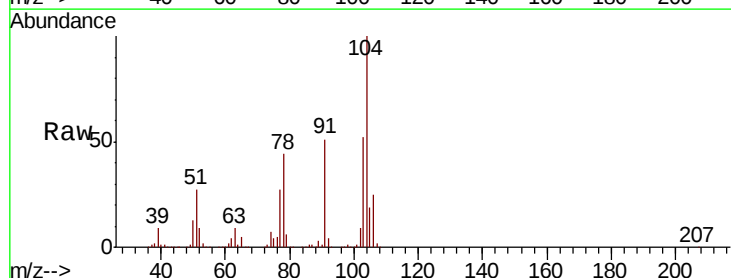
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

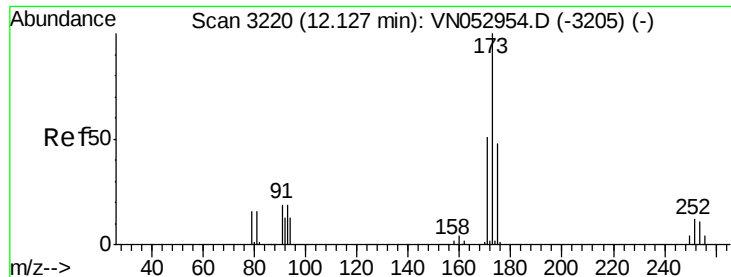
Tot Ion:106 Resp: 857862
Ion Ratio Lower Upper
106 100
91 213.3 106.6 319.8



#70
Styrene
Concen: 50.280 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion:104 Resp: 1413960
Ion Ratio Lower Upper
104 100
78 48.6 38.9 58.3
103 55.8 44.3 66.5





#71

Bromoform

Concen: 49.348 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

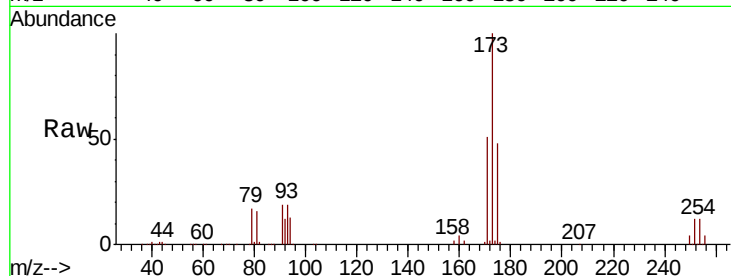
Tot Ion:173 Resp: 340799

Ion Ratio Lower Upper

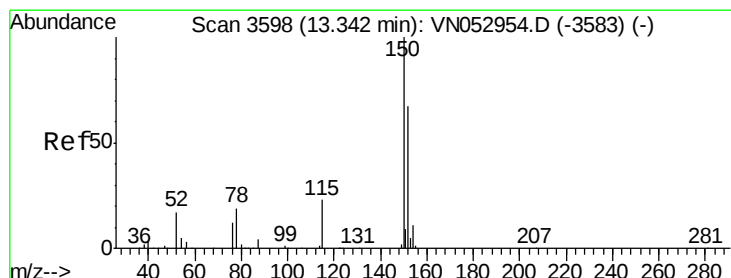
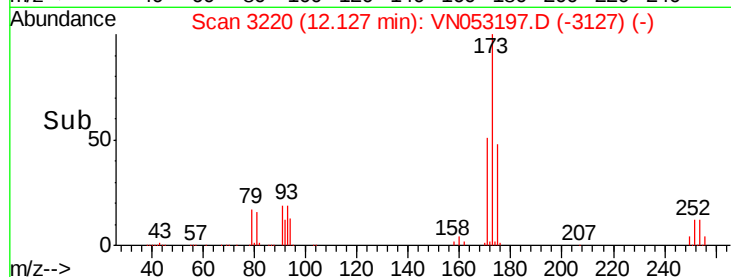
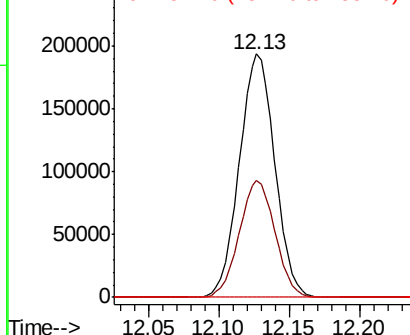
173 100

175 48.4 24.3 72.9

254 0.2 0.1 0.1#



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: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

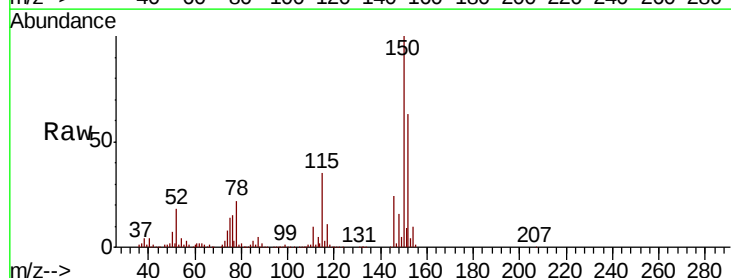
Tgt Ion:152 Resp: 588263

Ion Ratio Lower Upper

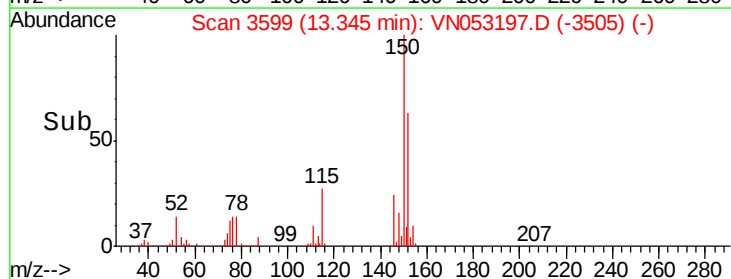
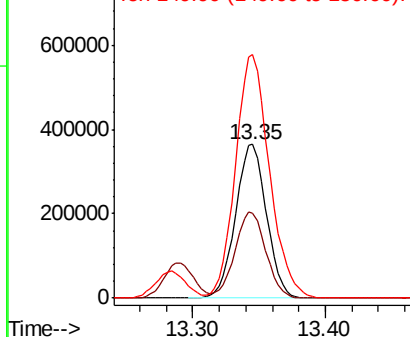
152 100

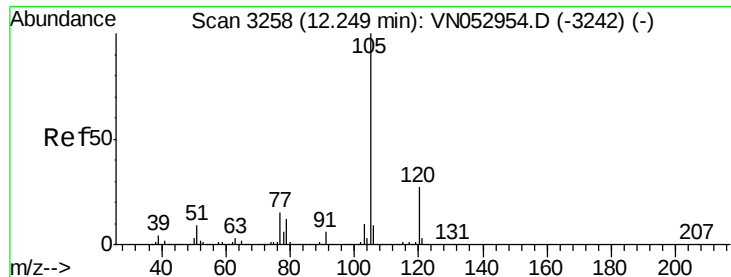
115 56.0 28.3 85.0

150 174.1 0.0 347.8



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: 49.010 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

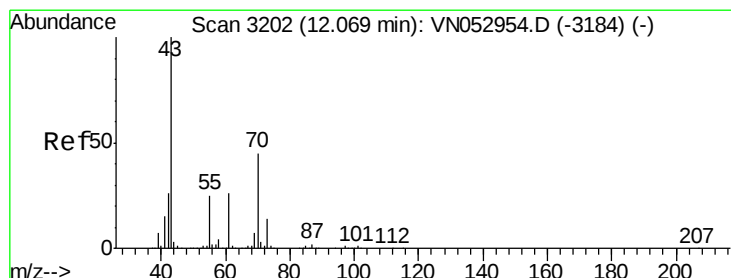
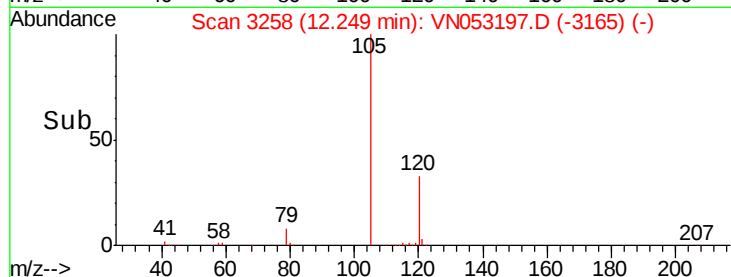
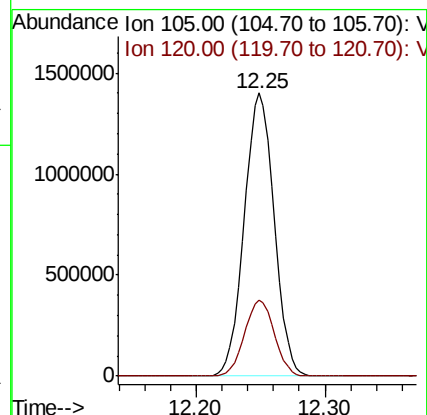
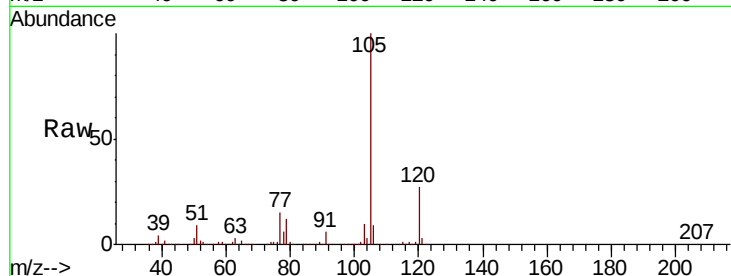
VSTDCCC050EC

Tot Ion:105 Resp: 2255760

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 52.231 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Tgt Ion: 43 Resp: 667437

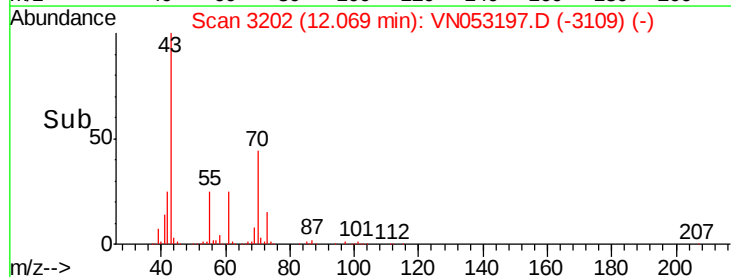
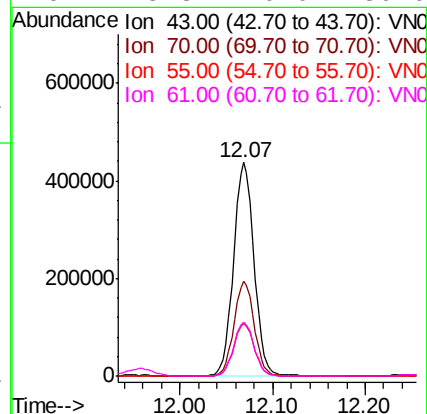
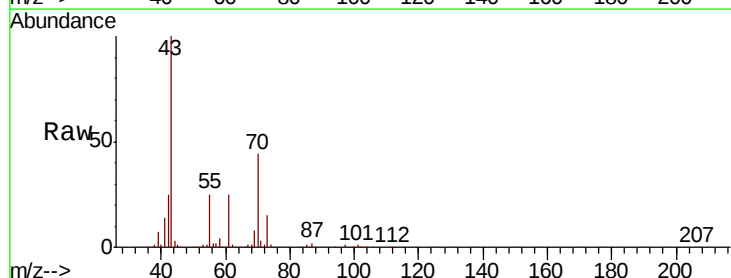
Ion Ratio Lower Upper

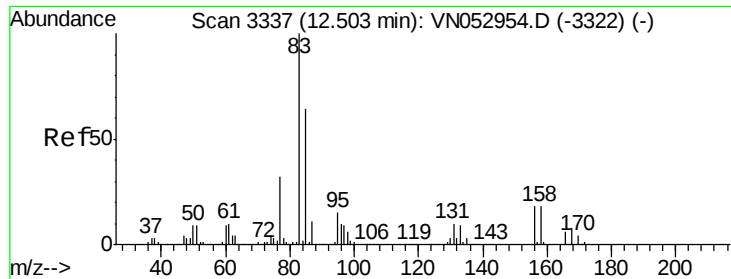
43 100

70 44.0 34.2 51.4

55 24.9 20.3 30.5

61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.281 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

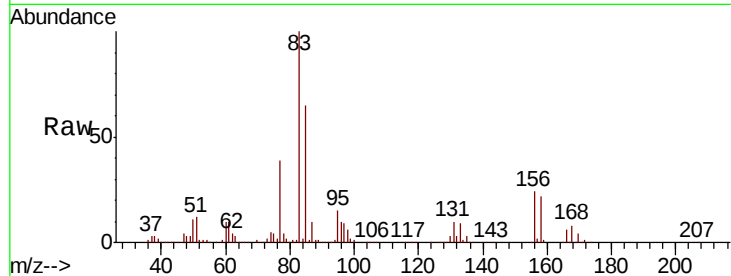
Tot Ion: 83 Resp: 508204

Ion Ratio Lower Upper

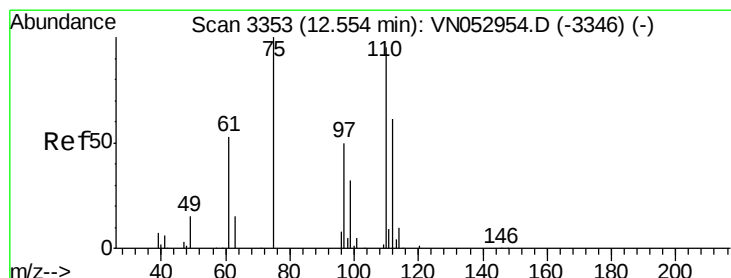
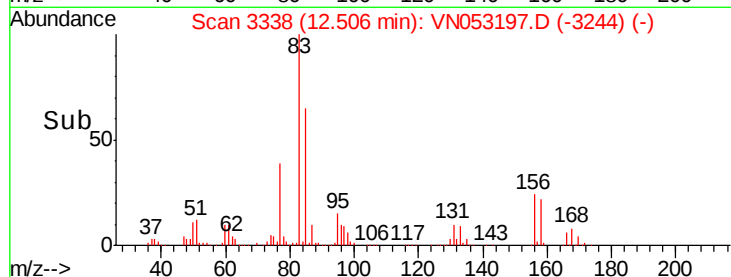
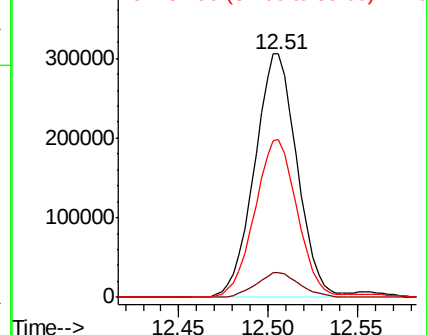
83 100

131 10.3 5.2 15.6

85 65.0 32.4 97.0



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



#76

1,2,3-Trichloropropane

Concen: 67.963 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053197.D

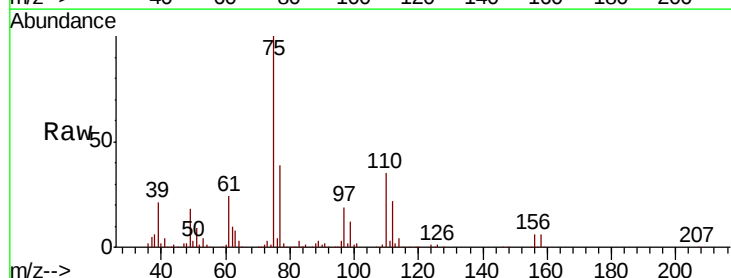
Acq: 24 Dec 2018 20:33

Tgt Ion: 75 Resp: 673027

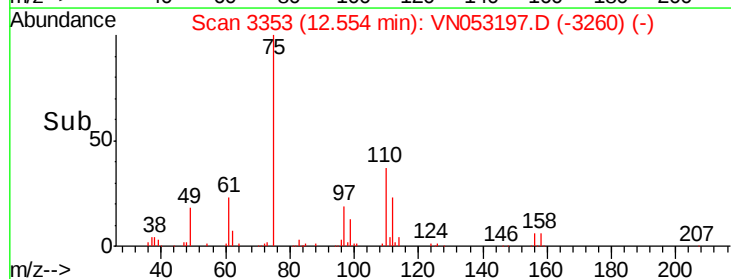
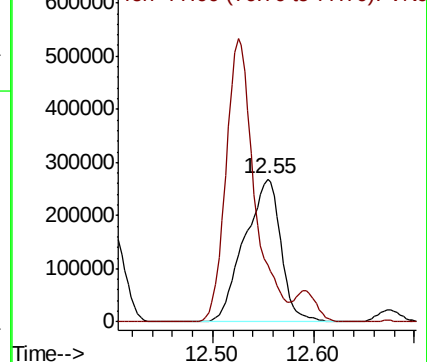
Ion Ratio Lower Upper

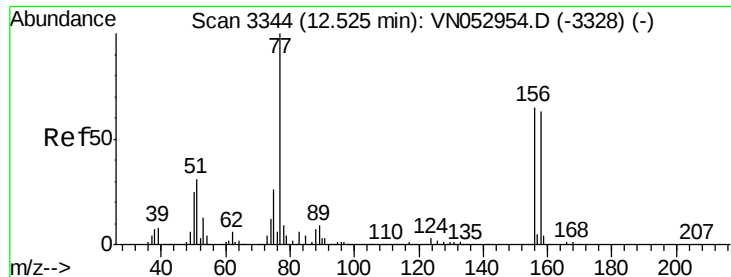
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 49.159 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

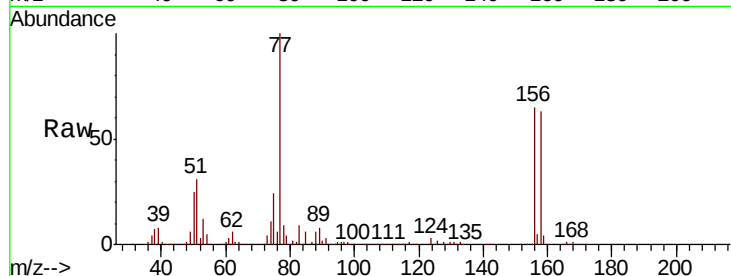
Tot Ion:156 Resp: 588154

Ion Ratio Lower Upper

156 100

77 180.2 91.3 273.8

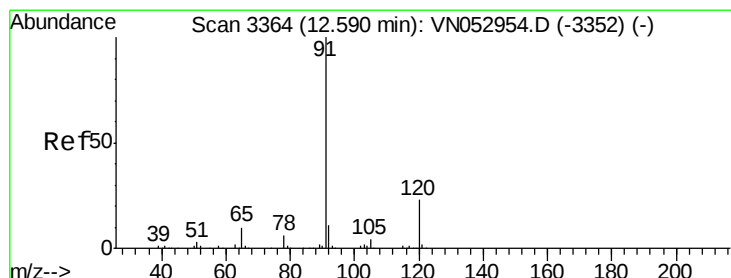
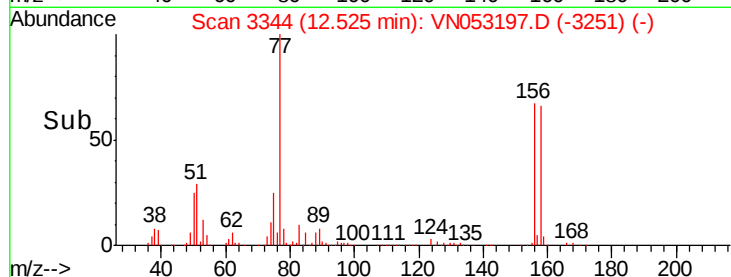
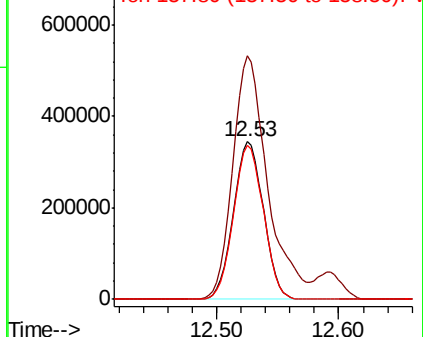
158 97.4 49.0 147.2



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: 48.172 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053197.D

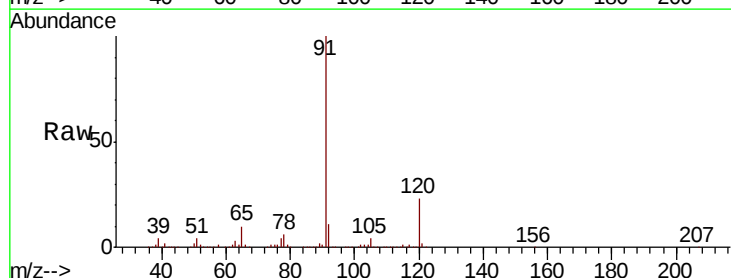
Acq: 24 Dec 2018 20:33

Tgt Ion: 91 Resp: 2525183

Ion Ratio Lower Upper

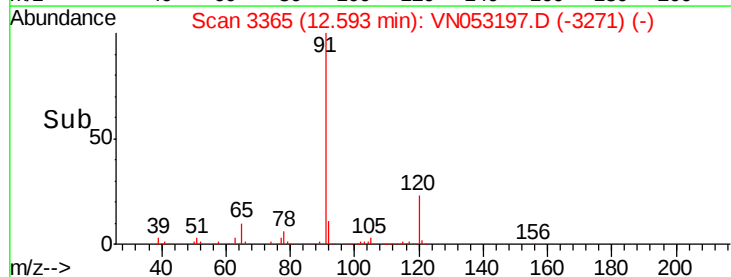
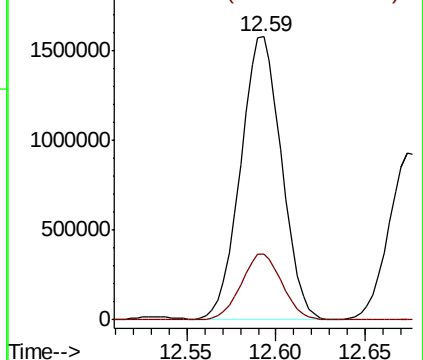
91 100

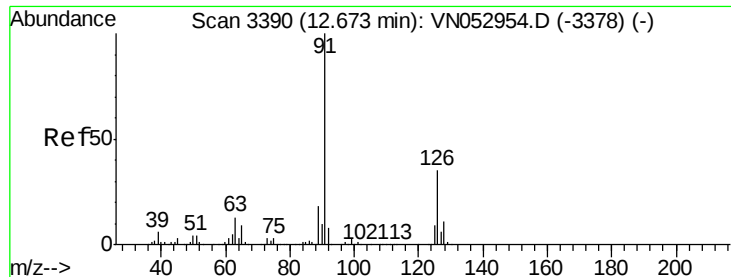
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.488 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

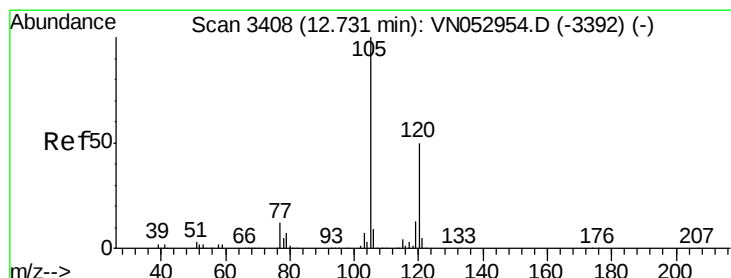
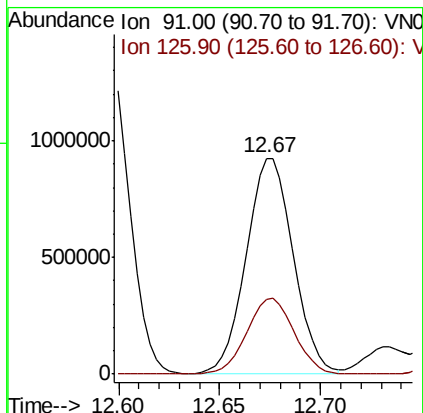
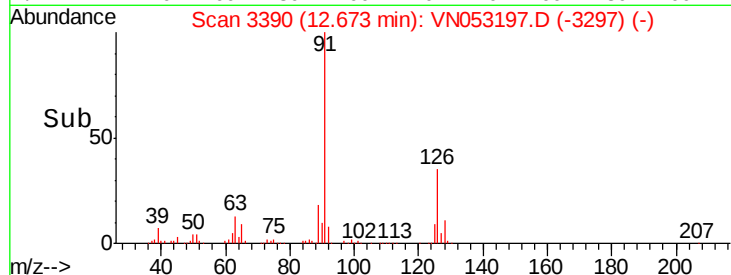
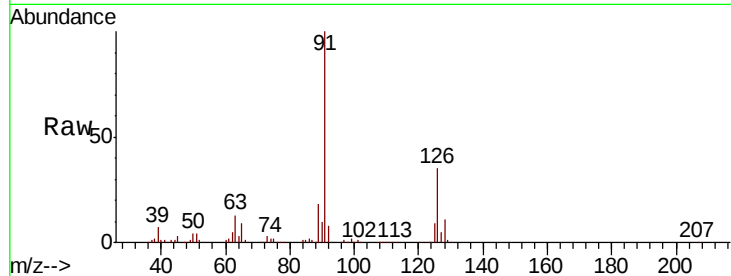
VSTDCCC050EC

Tot Ion: 91 Resp: 1510497

Ion Ratio Lower Upper

91 100

126 35.2 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 48.028 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053197.D

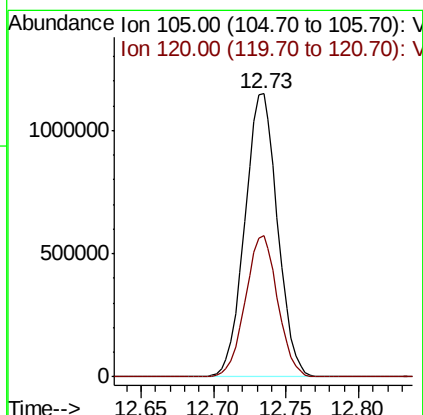
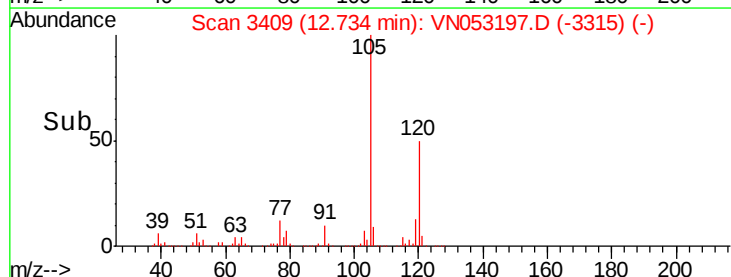
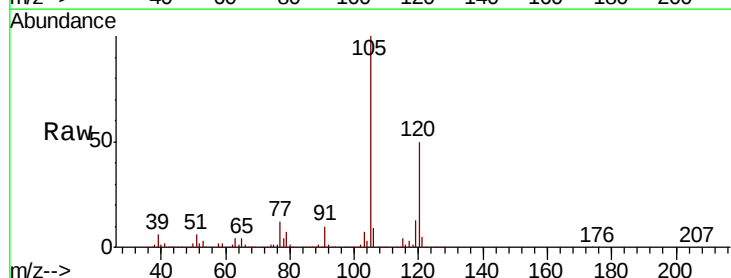
Acq: 24 Dec 2018 20:33

Tgt Ion: 105 Resp: 1801786

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 48.501 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

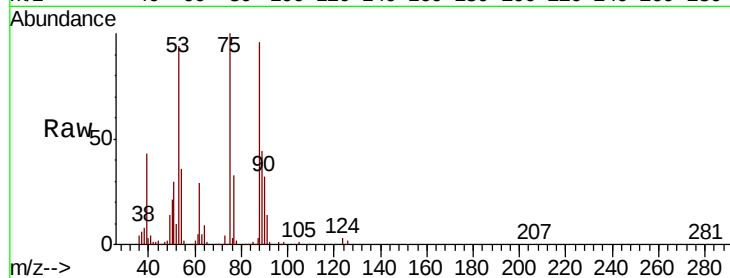
Tot Ion: 75 Resp: 149015

Ion Ratio Lower Upper

75 100

53 92.9 74.7 112.1

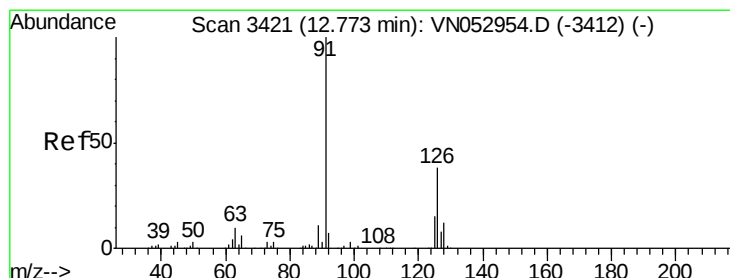
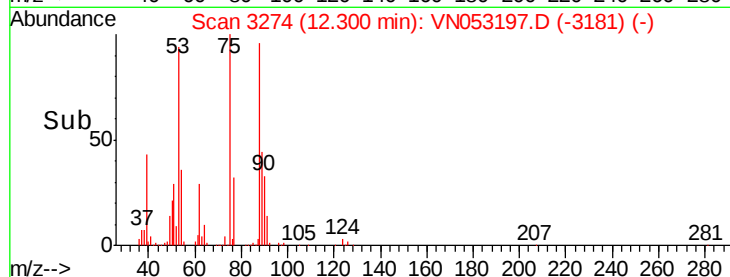
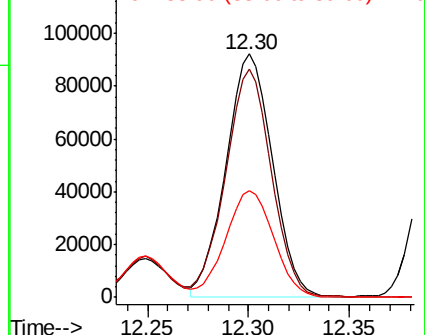
89 45.2 36.1 54.1



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: 48.469 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053197.D

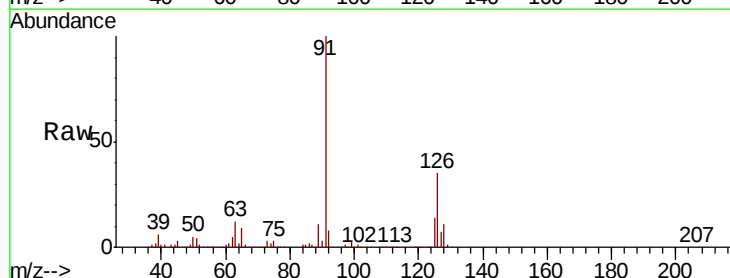
Acq: 24 Dec 2018 20:33

Tgt Ion: 91 Resp: 1541671

Ion Ratio Lower Upper

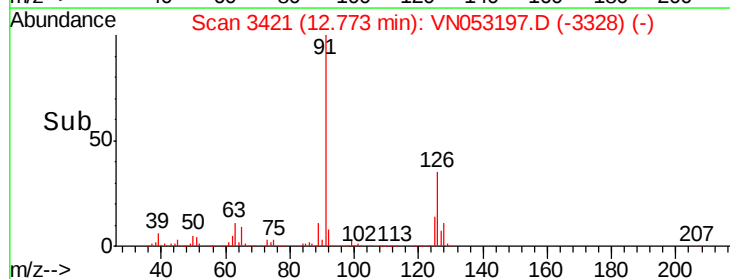
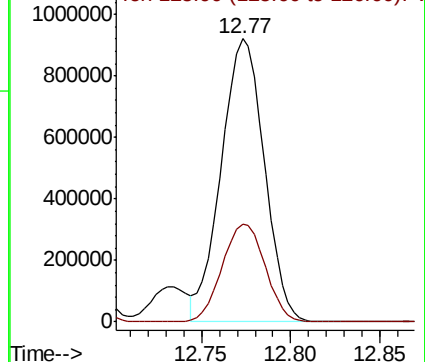
91 100

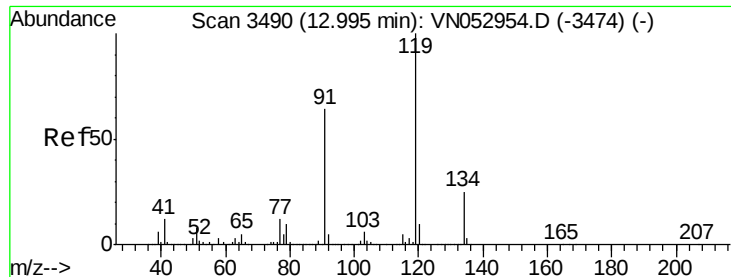
126 34.7 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

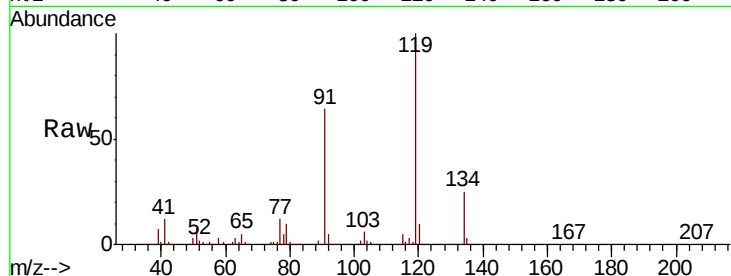




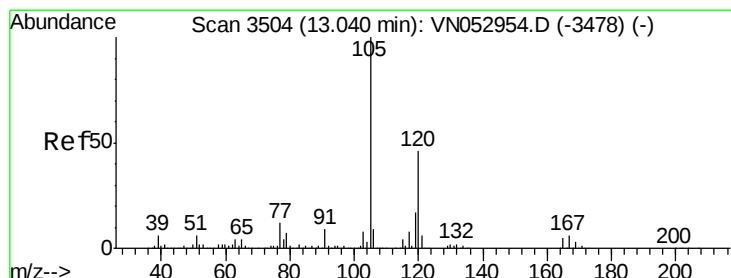
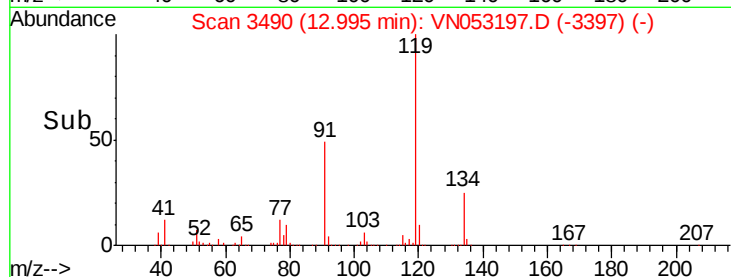
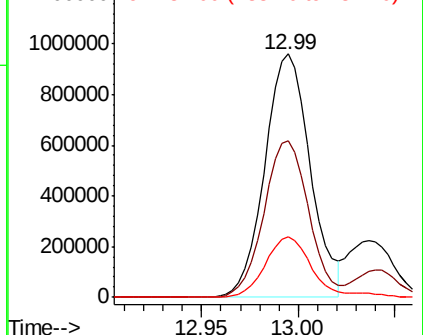
#83
tert-Butylbenzene
Concen: 47.349 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1571007
Ion Ratio Lower Upper
119 100
91 63.6 31.9 95.5
134 25.8 12.8 38.4

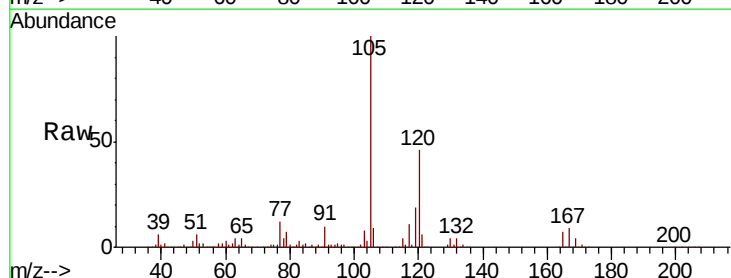


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V

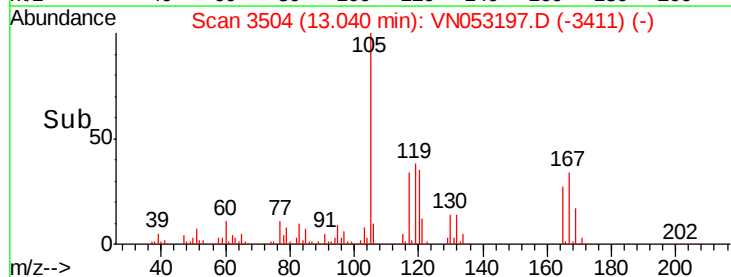
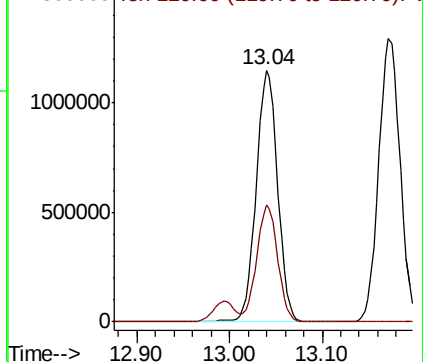


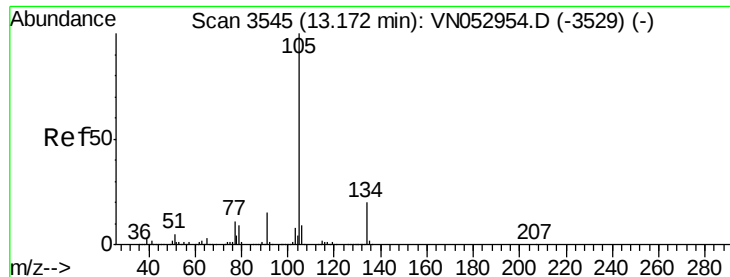
#84
1,2,4-Trimethylbenzene
Concen: 48.617 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion:105 Resp: 1833531
Ion Ratio Lower Upper
105 100
120 45.7 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 45.930 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

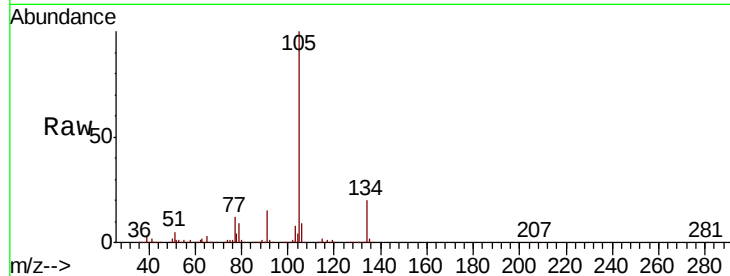
VSTDCCC050EC

Tot Ion:105 Resp: 2061239

Ion Ratio Lower Upper

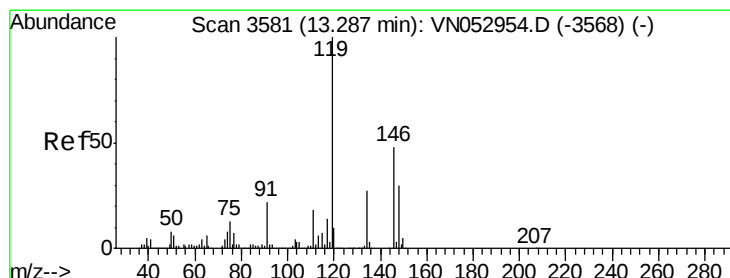
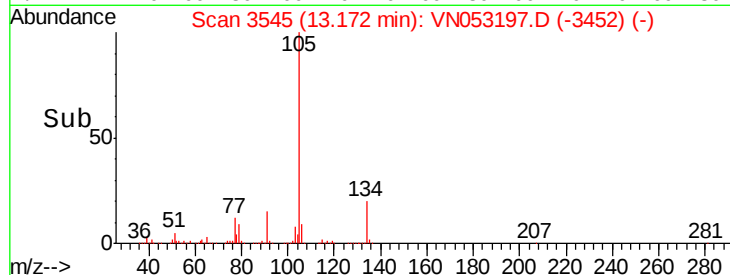
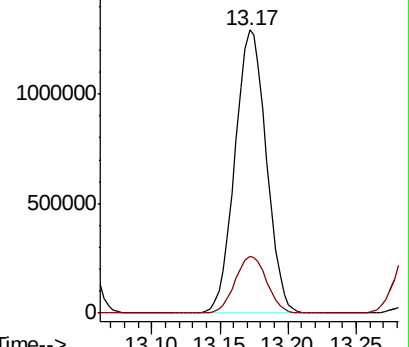
105 100

134 20.2 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.192 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

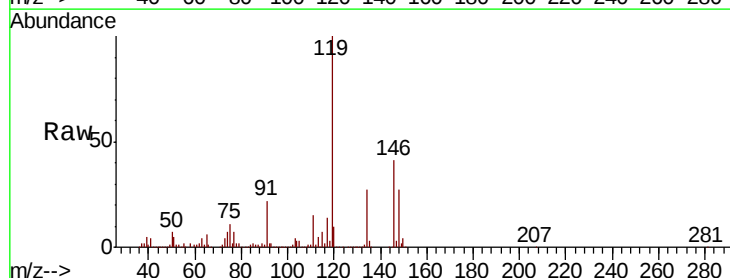
Tgt Ion:119 Resp: 1791252

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

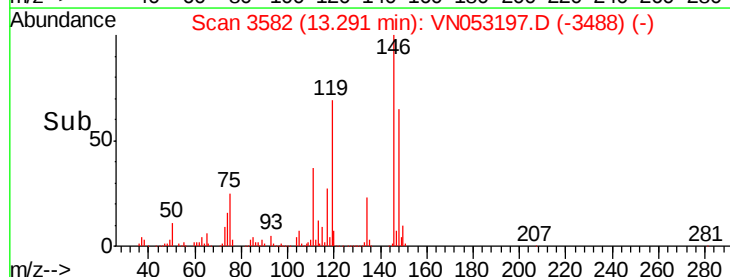
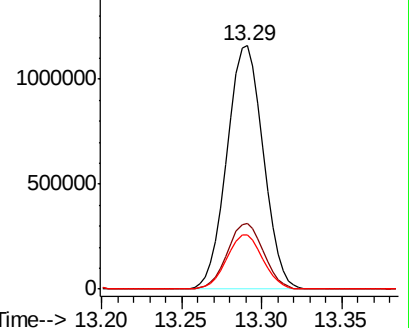
91 22.0 11.1 33.3

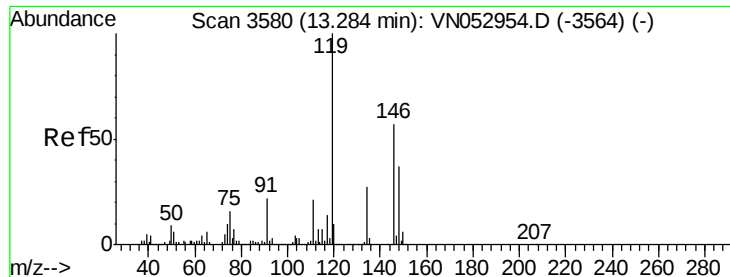


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.815 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

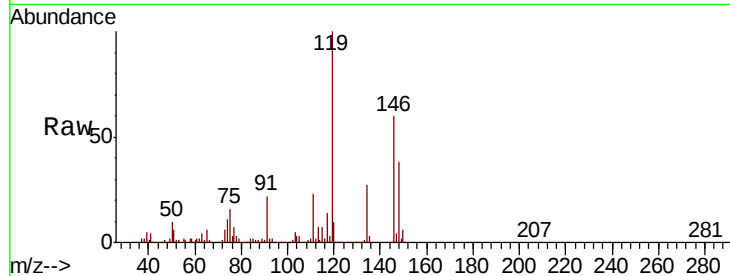
Tot Ion:146 Resp: 1012488

Ion Ratio Lower Upper

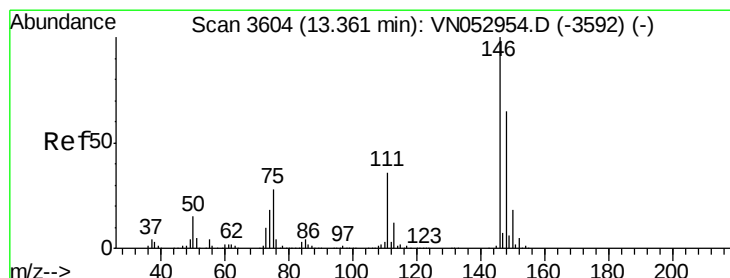
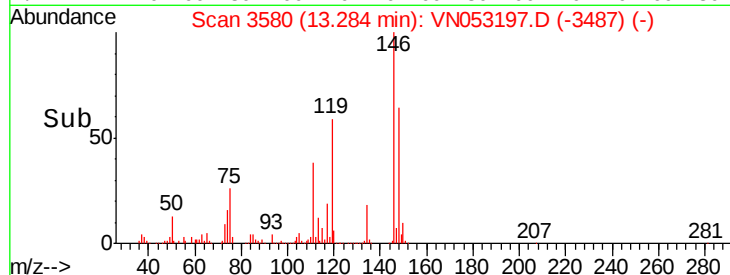
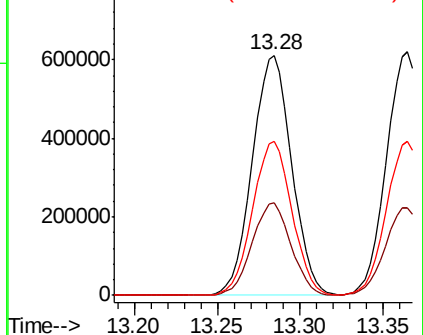
146 100

111 38.0 19.1 57.1

148 64.2 32.0 96.0



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: 46.862 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

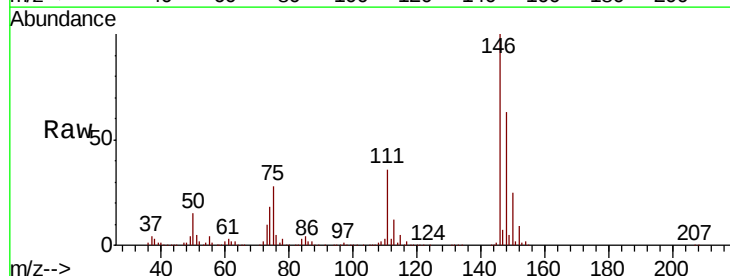
Tgt Ion:146 Resp: 1004900

Ion Ratio Lower Upper

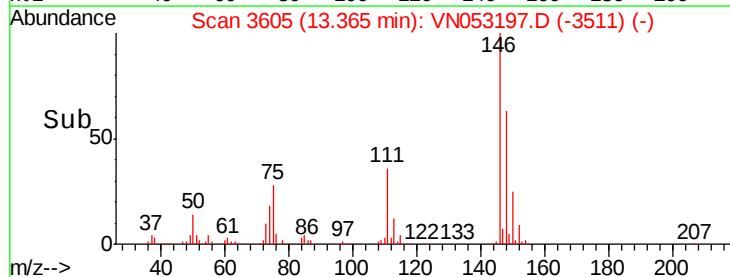
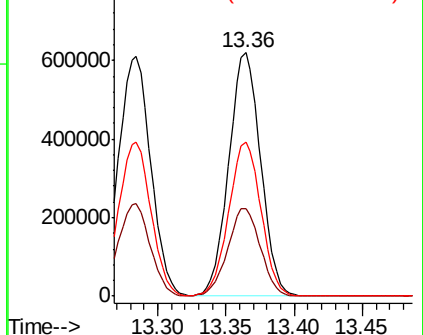
146 100

111 36.9 18.6 55.8

148 64.0 32.1 96.5



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: 43.774 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

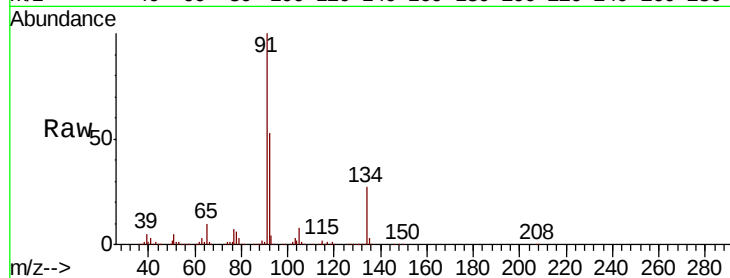
Tot Ion: 91 Resp: 1460366

Ion Ratio Lower Upper

91 100

92 52.5 26.3 78.9

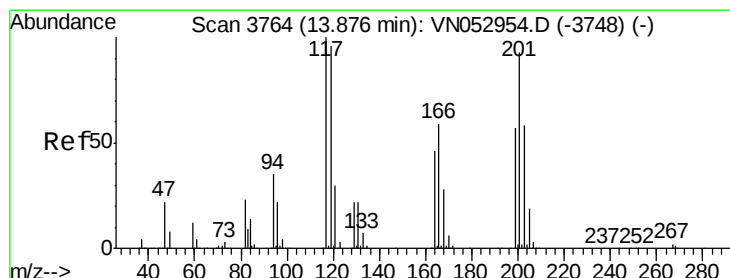
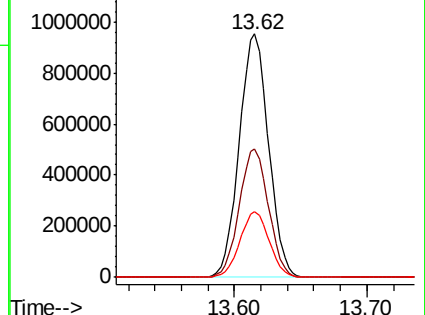
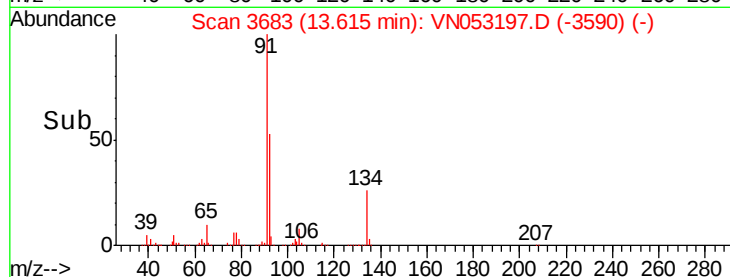
134 27.0 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052954.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052954.D (-3667) (-)



#90

Hexachloroethane

Concen: 46.687 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053197.D

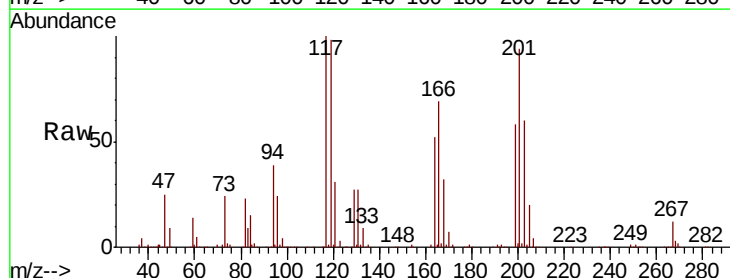
Acq: 24 Dec 2018 20:33

Tgt Ion: 117 Resp: 277830

Ion Ratio Lower Upper

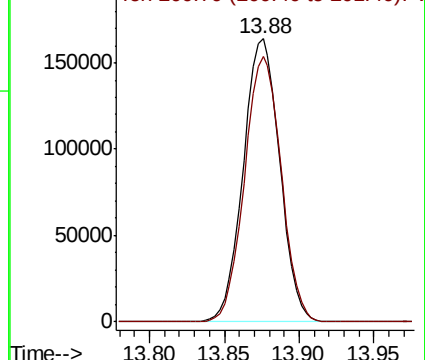
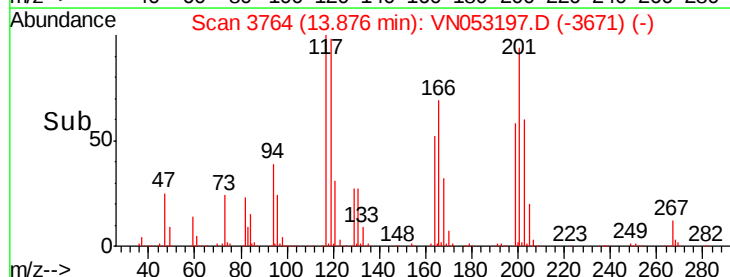
117 100

201 94.1 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN052954.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052954.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 49.252 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

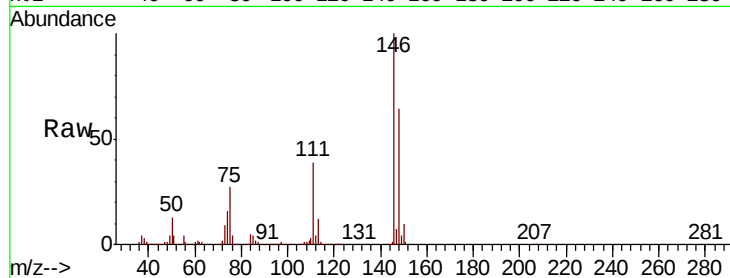
Tot Ion:146 Resp: 981557

Ion Ratio Lower Upper

146 100

111 39.4 19.7 59.0

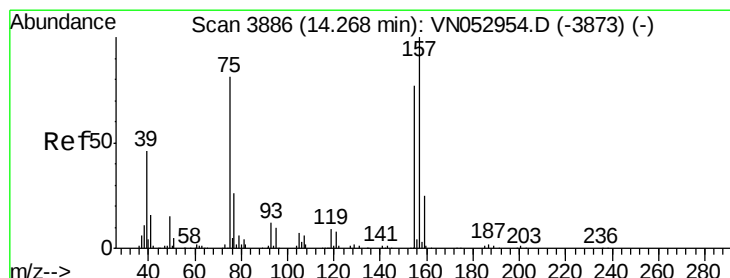
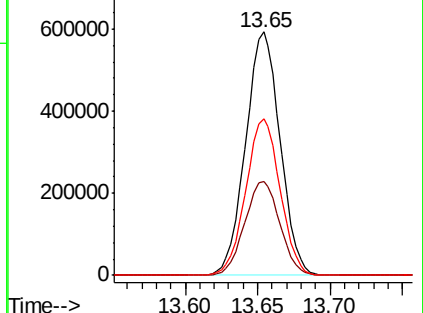
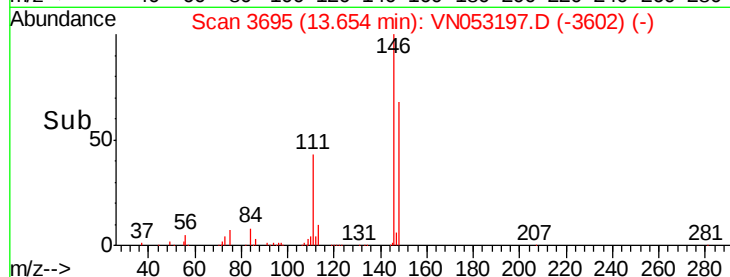
148 64.0 32.0 96.0



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: 49.358 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

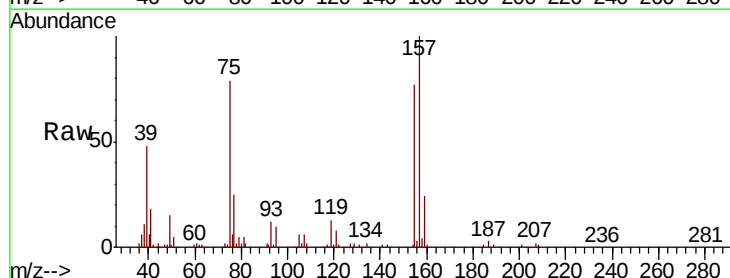
Tgt Ion: 75 Resp: 77062

Ion Ratio Lower Upper

75 100

155 95.2 48.2 144.6

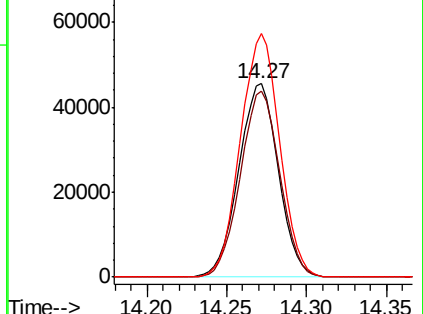
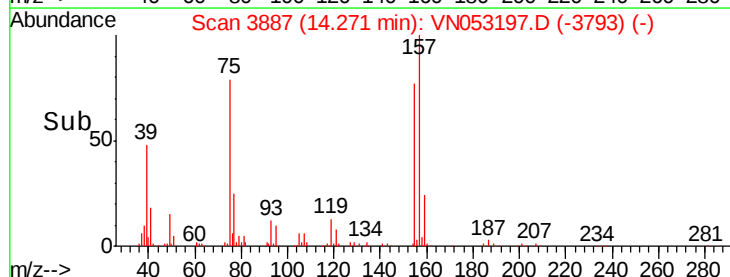
157 124.4 61.2 183.5



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

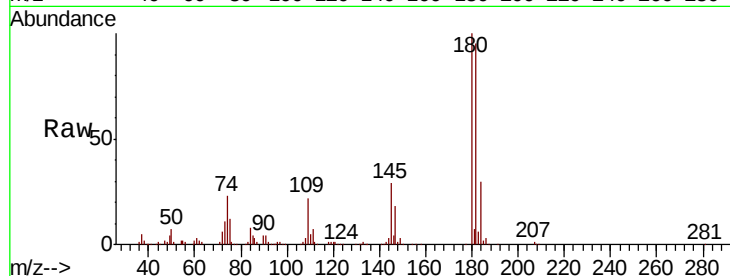




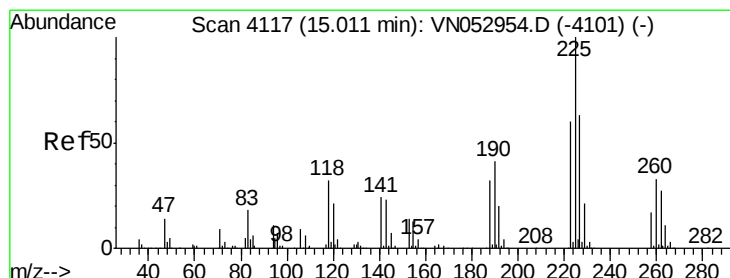
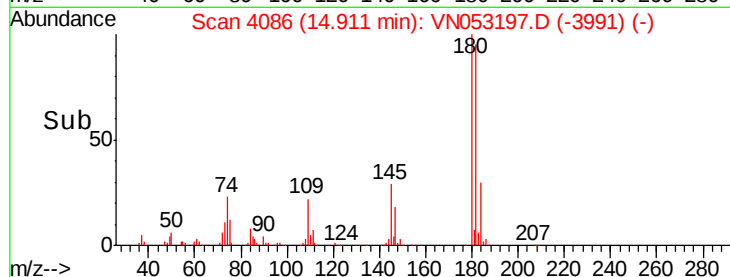
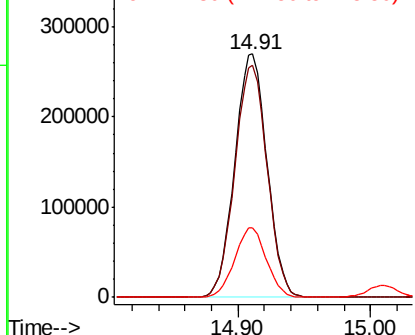
#93
 1,2,4-Trichlorobenzene
 Concen: 43.161 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 454844
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.8 143.3
 145 28.1 14.2 42.6

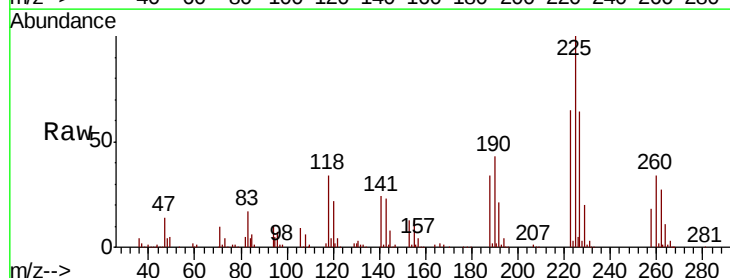


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

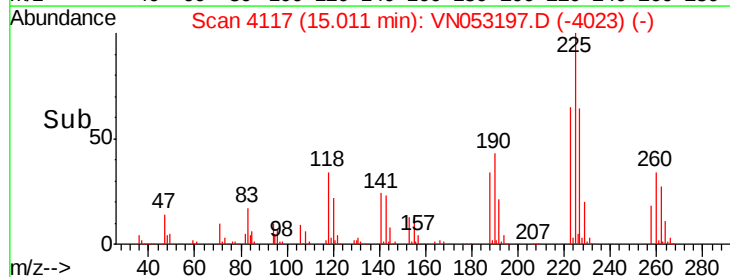
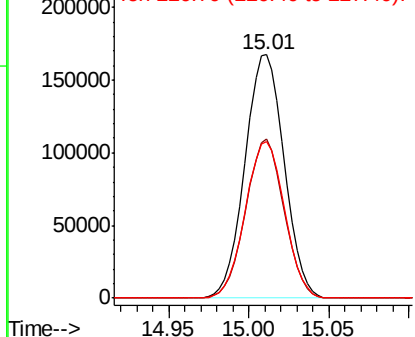


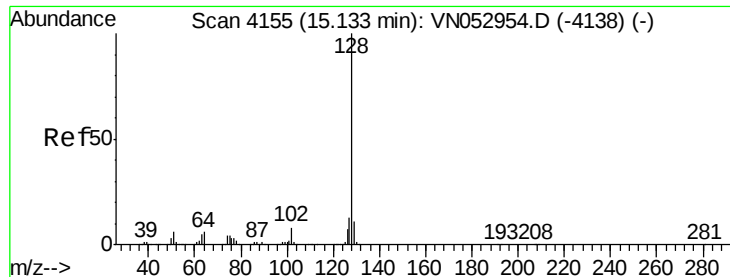
#94
 Hexachlorobutadiene
 Concen: 51.356 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Tgt Ion:225 Resp: 280332
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.5 94.5
 227 64.6 31.9 95.7



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





#95

Naphthalene

Concen: 43.945 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

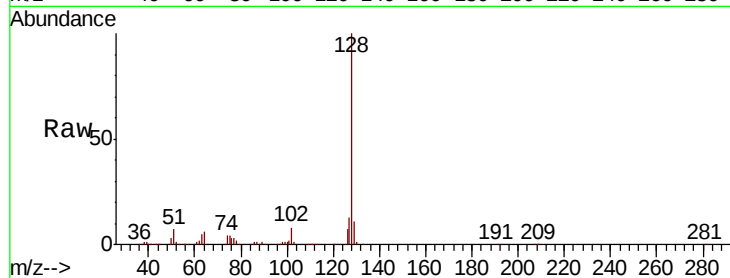
Tot Ion:128 Resp: 1013118

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

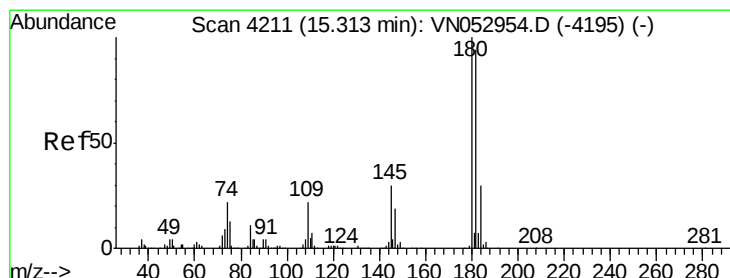
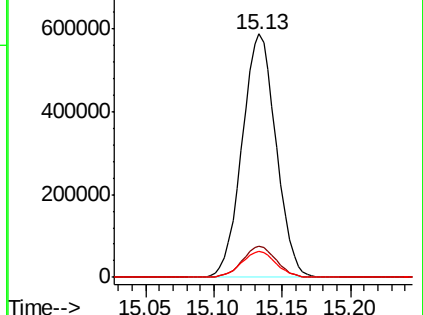
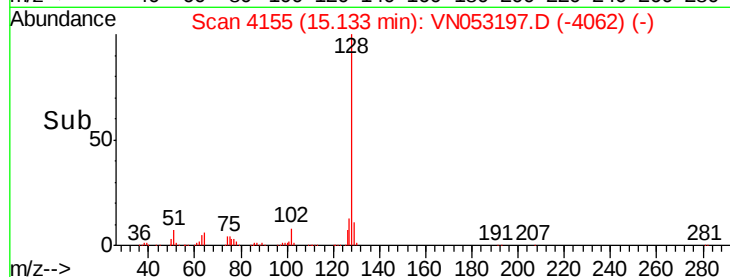
129 10.8 8.6 13.0



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: 43.083 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

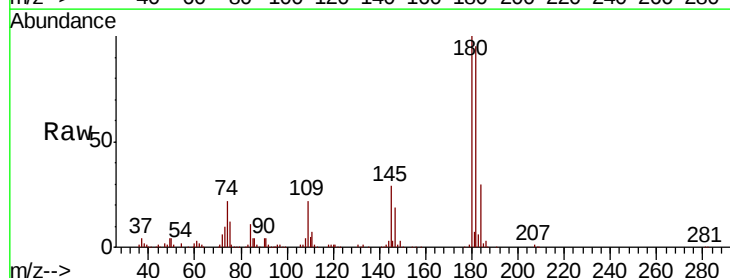
Tgt Ion:180 Resp: 408955

Ion Ratio Lower Upper

180 100

182 95.3 47.9 143.7

145 29.2 15.0 45.0



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

