

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054817.D
 Acq On : 30 Mar 2019 21:45
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 30 22:44:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	415064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	702921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	614682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	266809	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	307376	54.94	ug/l	0.00
Spiked Amount			Recovery	=	109.88%	
35) Dibromofluoromethane	7.59	113	239856	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
50) Toluene-d8	10.09	98	883895	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.40	95	298330	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	202591	48.255	ug/l	100
3) Chloromethane	2.06	50	278966	48.056	ug/l	100
4) Vinyl Chloride	2.19	62	260888	50.045	ug/l	99
5) Bromomethane	2.57	94	88877	31.695	ug/l	99
6) Chloroethane	2.71	64	144768	49.732	ug/l	99
7) Trichlorofluoromethane	3.02	101	332593	51.894	ug/l	97
8) Diethyl Ether	3.41	74	115026	55.737	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	163909	48.582	ug/l	95
10) Methyl Iodide	3.94	142	154524	33.456	ug/l #	88
11) Tert butyl alcohol	4.83	59	113115	388.019	ug/l	97
12) 1,1-Dichloroethene	3.73	96	172865	52.983	ug/l #	76
13) Acrolein	3.61	56	65984	253.188	ug/l	98
14) Allyl chloride	4.31	41	424138	52.777	ug/l #	91
15) Acrylonitrile	5.00	53	531379	327.940	ug/l	99
16) Acetone	3.82	43	371961	278.779	ug/l #	82
17) Carbon Disulfide	4.04	76	449703	42.496	ug/l	99
18) Methyl Acetate	4.33	43	240251	69.490	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	673456	59.009	ug/l	92
20) Methylene Chloride	4.54	84	248810	52.866	ug/l #	81
21) trans-1,2-Dichloroethene	5.03	96	228228	53.256	ug/l	87
22) Diisopropyl ether	5.96	45	905889	56.994	ug/l #	93
23) Vinyl Acetate	5.90	43	3478782	314.507	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	465445	54.895	ug/l	98
25) 2-Butanone	6.85	43	683371	346.488	ug/l #	87
26) 2,2-Dichloropropane	6.83	77	244949	41.219	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	266517	55.052	ug/l	90
28) Bromochloromethane	7.20	49	241060	56.858	ug/l #	71
29) Tetrahydrofuran	7.22	42	465560	339.864	ug/l #	84
30) Chloroform	7.37	83	452106	55.920	ug/l	98
31) Cyclohexane	7.65	56	422202	54.849	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	377795	56.387	ug/l	96
36) 1,1-Dichloropropene	7.79	75	333618	50.935	ug/l	95
37) Ethyl Acetate	6.94	43	302246	62.926	ug/l #	94
38) Carbon Tetrachloride	7.77	117	318278	50.030	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	346515	48.121	ug/l	87
40) Benzene	8.04	78	1016891	54.258	ug/l	100
41) Methacrylonitrile	7.18	41	167545	62.095	ug/l	90
42) 1,2-Dichloroethane	8.13	62	367124	54.861	ug/l	98
43) Isopropyl Acetate	8.17	43	510635	65.428	ug/l #	93
44) Trichloroethene	8.84	130	255134	52.442	ug/l	90
45) 1,2-Dichloropropane	9.12	63	284788	53.291	ug/l	99
46) Dibromomethane	9.21	93	166391	55.349	ug/l	89
47) Bromodichloromethane	9.41	83	348675	55.808	ug/l	98
48) Methyl methacrylate	9.20	41	262921	62.147	ug/l	87
49) 1,4-Dioxane	9.20	88	57318	1365.455	ug/l #	81
51) 4-Methyl-2-Pentanone	9.99	43	1495731	340.878	ug/l	93
52) Toluene	10.16	92	600930	53.885	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	328402	55.878	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	388253	55.303	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	232630	56.099	ug/l	96
56) Ethyl methacrylate	10.43	69	334406	61.476	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	407242	57.124	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	663664	281.855	ug/l #	89
59) 2-Hexanone	10.75	43	951568	338.763	ug/l	90
60) Dibromochloromethane	10.90	129	246565	58.698	ug/l	100
61) 1,2-Dibromoethane	11.01	107	227971	57.527	ug/l	99
64) Tetrachloroethene	10.63	164	232692	49.332	ug/l	96
65) Chlorobenzene	11.44	112	620496	51.558	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	243156	53.979	ug/l	99
67) Ethyl Benzene	11.51	91	1128269	51.952	ug/l	97
68) m/p-Xylenes	11.62	106	830289	103.311	ug/l	94
69) o-Xylene	11.95	106	403729	51.229	ug/l	93
70) Styrene	11.97	104	685045	54.365	ug/l	97
71) Bromoform	12.13	173	159024	60.260	ug/l #	99
73) Isopropylbenzene	12.25	105	1075346	49.310	ug/l	97
74) N-amyl acetate	12.07	43	409866	60.327	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	308784	64.735	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	355931	76.791	ug/l #	100
77) Bromobenzene	12.53	156	267711	50.864	ug/l	83
78) n-propylbenzene	12.59	91	1189114	49.610	ug/l	95
79) 2-Chlorotoluene	12.68	91	725967	48.956	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	882144	49.298	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	62289	52.273	ug/l #	84
82) 4-Chlorotoluene	12.77	91	714319	49.594	ug/l	95
83) tert-Butylbenzene	12.99	119	760727	55.080	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	872852	51.201	ug/l	96
85) sec-Butylbenzene	13.17	105	950937	48.920	ug/l	96
86) p-Isopropyltoluene	13.29	119	821134	47.895	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	441249	50.074	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	432034	49.988	ug/l	99
89) n-Butylbenzene	13.62	91	663700	47.448	ug/l	98
90) Hexachloroethane	13.88	117	141805	48.715	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	446638	50.222	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48537	65.105	ug/l	82

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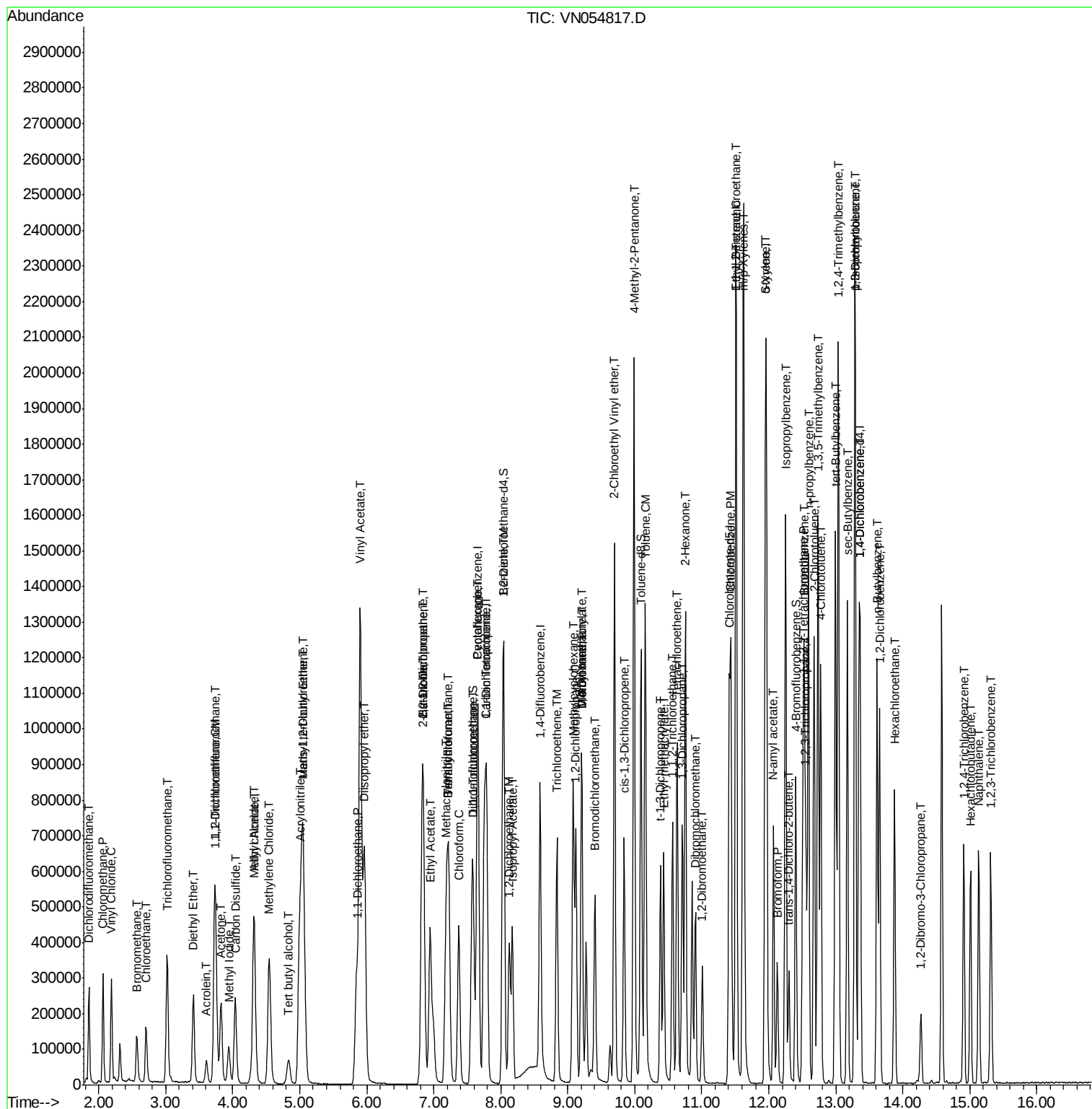
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	217280	50.678	ug/l	99
94) Hexachlorobutadiene	15.01	225	120271	47.250	ug/l	98
95) Naphthalene	15.13	128	555452	57.763	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	223235	51.555	ug/l	98

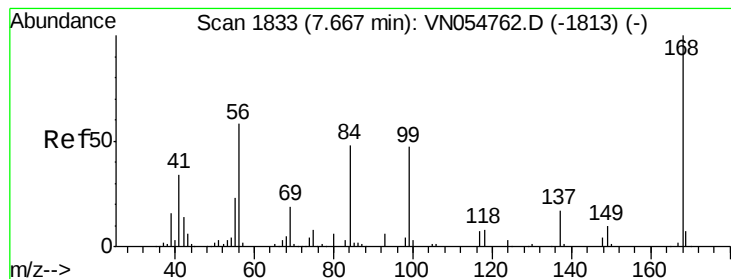
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN033019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

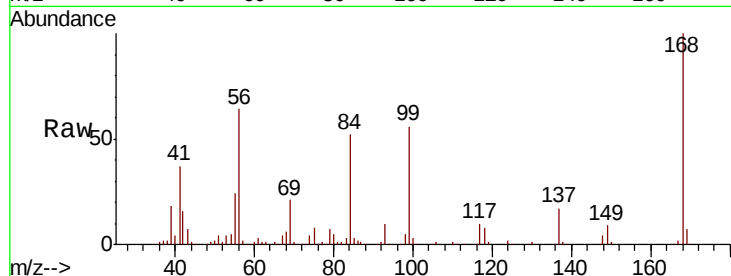
VSTDCCC050EC

Tot Ion:168 Resp: 415064

Ion Ratio Lower Upper

168 100

99 55.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

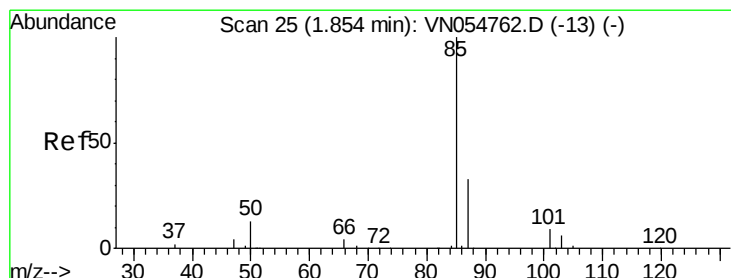
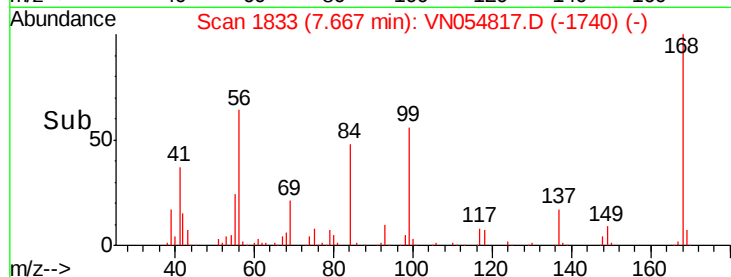
100000

50000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 48.255 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054817.D

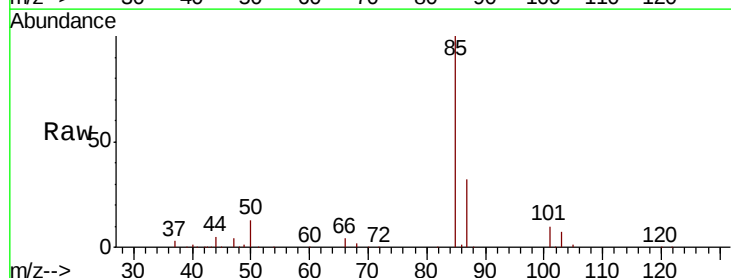
Acq: 30 Mar 2019 21:45

Tgt Ion: 85 Resp: 202591

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

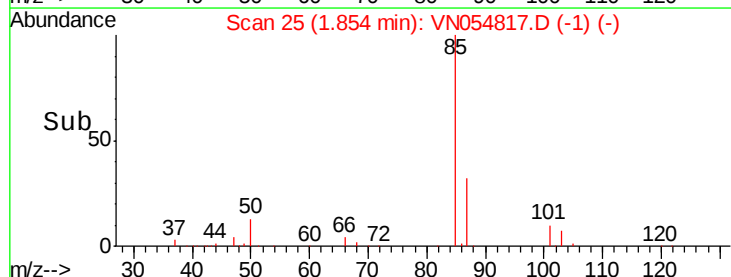
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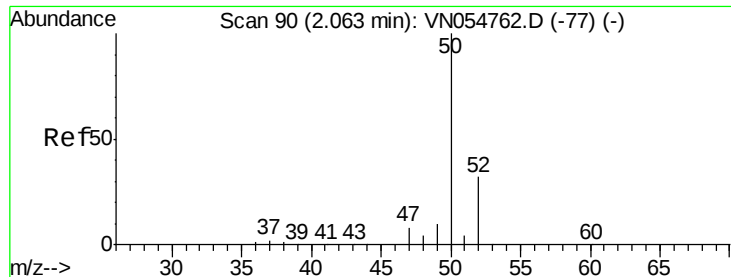
50000

0

Time-->

1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 48.056 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

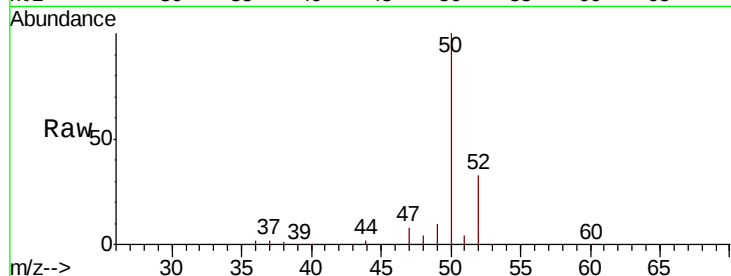
VSTDCCC050EC

Tot Ion: 50 Resp: 278966

Ion Ratio Lower Upper

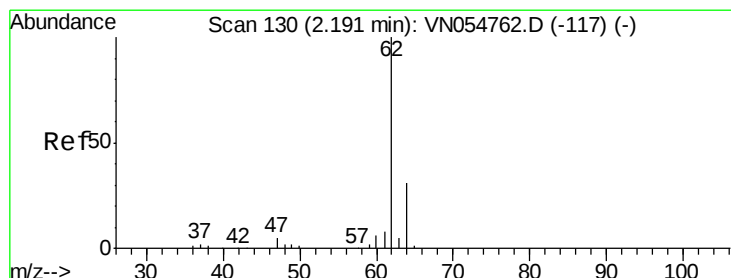
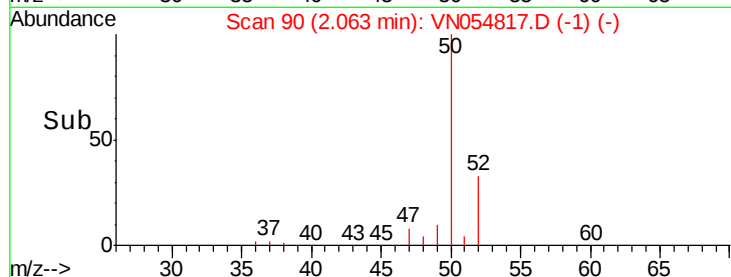
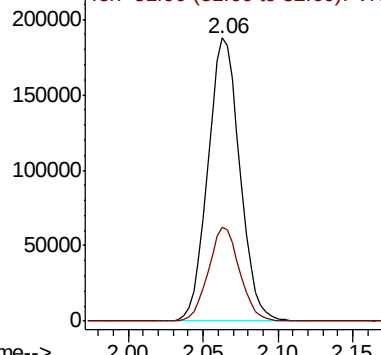
50 100

52 33.0 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 50.045 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054817.D

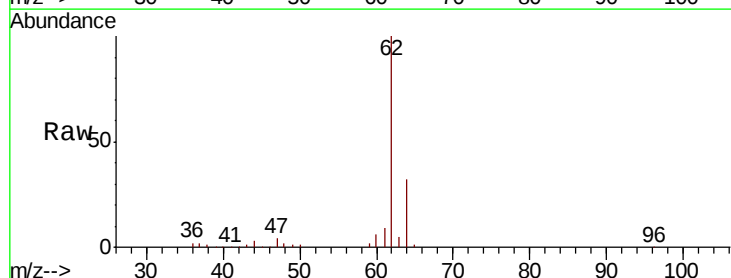
Acq: 30 Mar 2019 21:45

Tgt Ion: 62 Resp: 260888

Ion Ratio Lower Upper

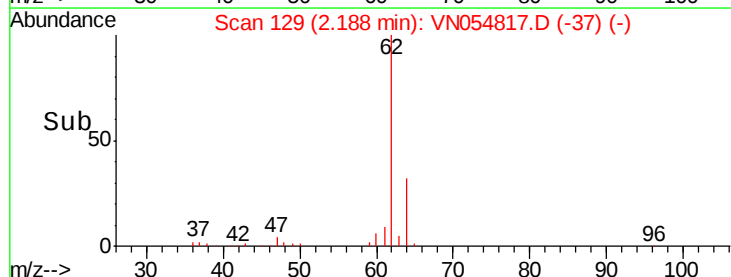
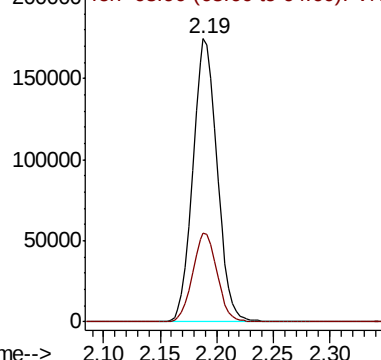
62 100

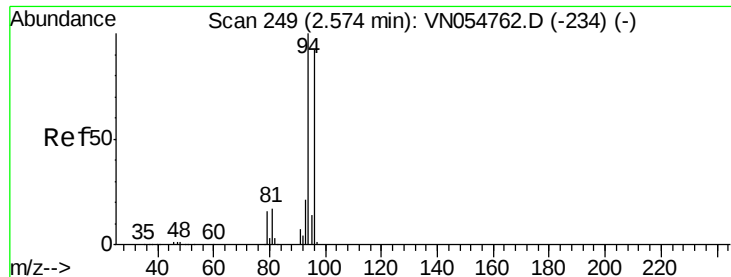
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 31.695 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054817.D

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Instrument :

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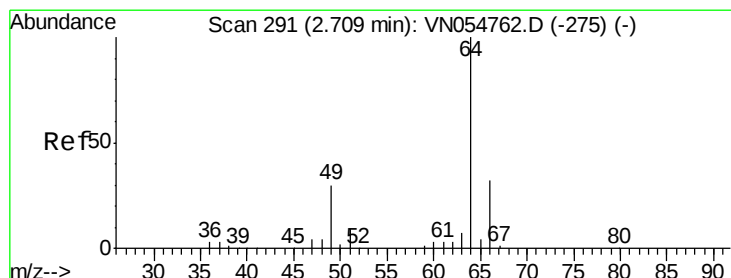
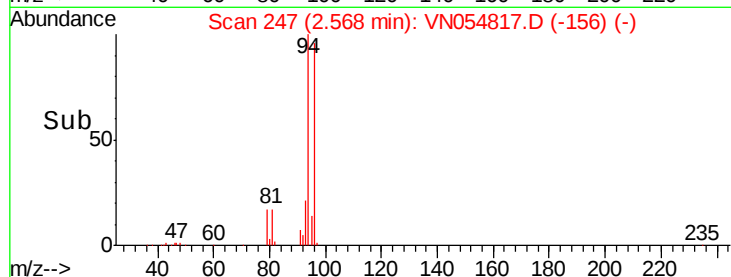
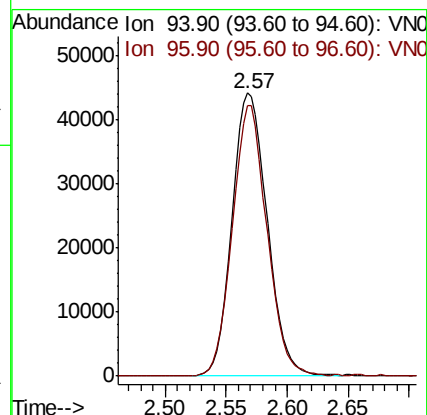
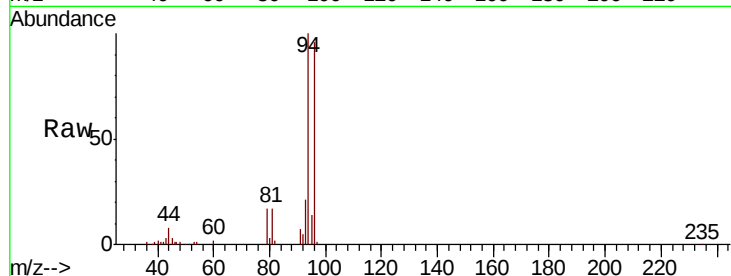
VSTDCCC050EC

Tot Ion: 94 Resp: 88877

Ion Ratio Lower Upper

94 100

96 95.7 77.0 115.4



#6

Chloroethane

Concen: 49.732 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054817.D

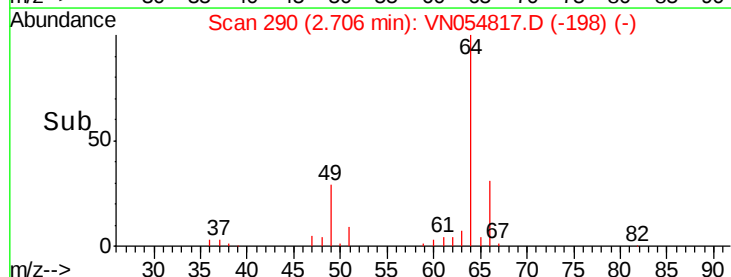
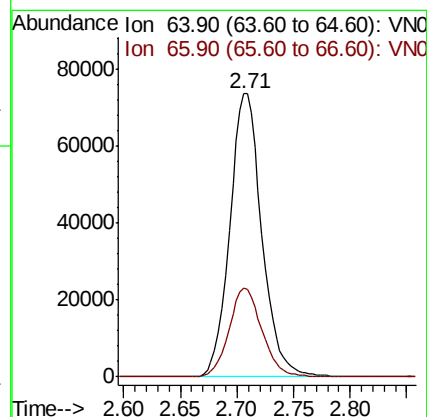
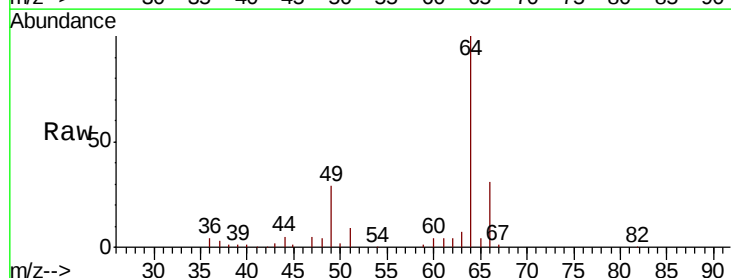
Acq: 30 Mar 2019 21:45

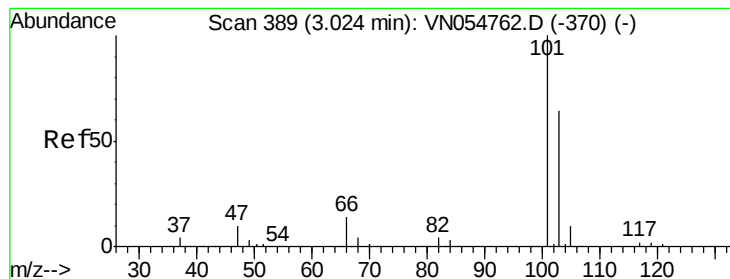
Tgt Ion: 64 Resp: 144768

Ion Ratio Lower Upper

64 100

66 31.4 25.7 38.5



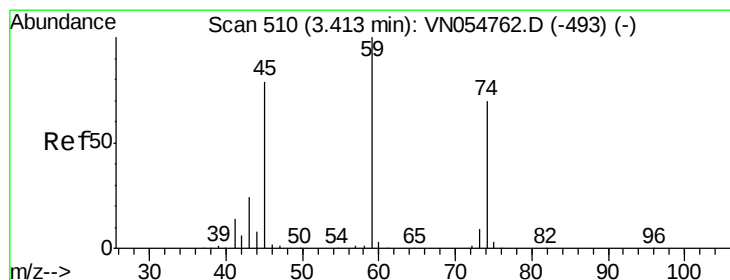
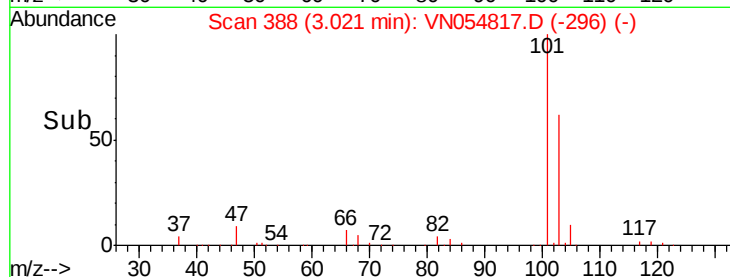
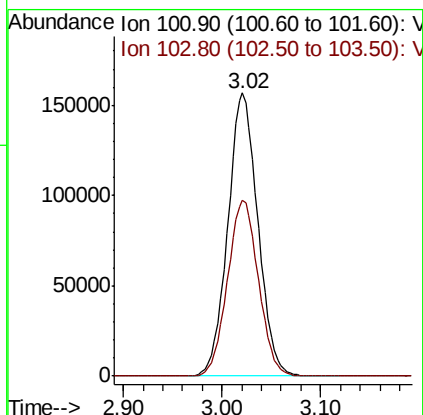
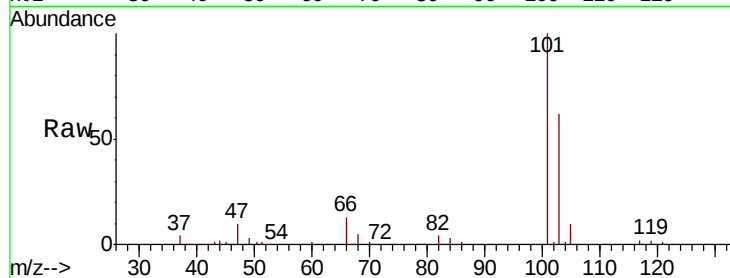


#7

Trichlorofluoromethane
Concen: 51.894 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054817.D
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Instrument :
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VSTDCCC050EC

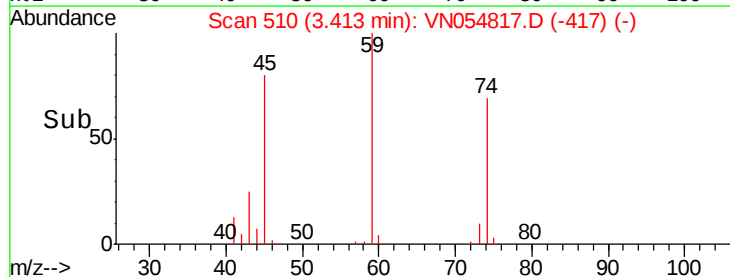
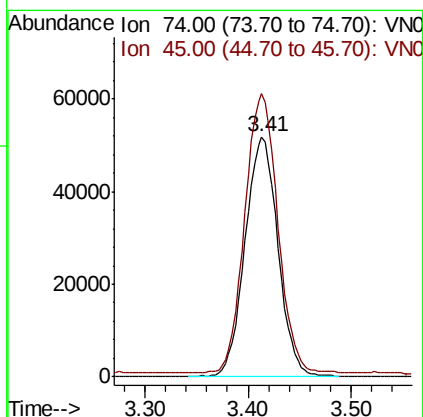
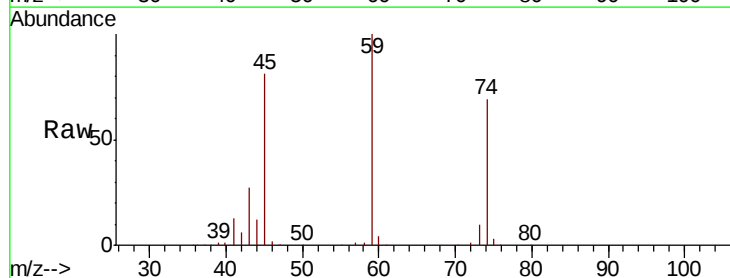
Tot Ion:101 Resp: 332593
Ion Ratio Lower Upper
101 100
103 62.2 51.4 77.2

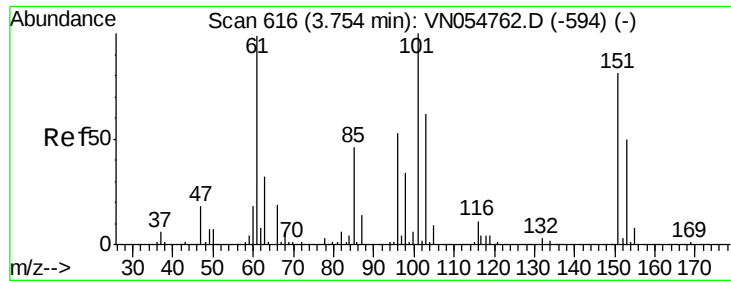


#8

Diethyl Ether
Concen: 55.737 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion: 74 Resp: 115026
Ion Ratio Lower Upper
74 100
45 115.6 43.1 129.4

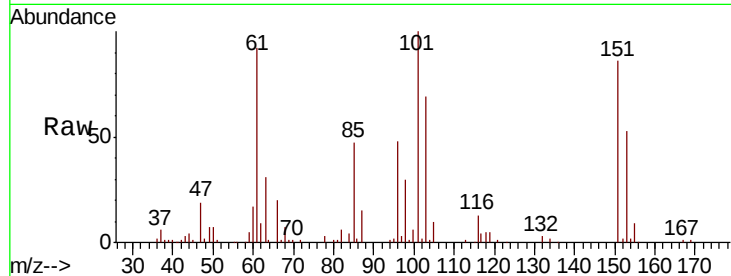




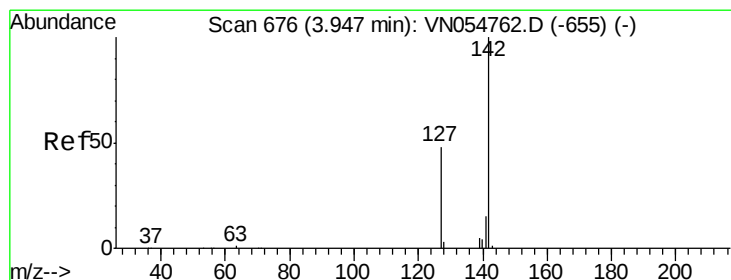
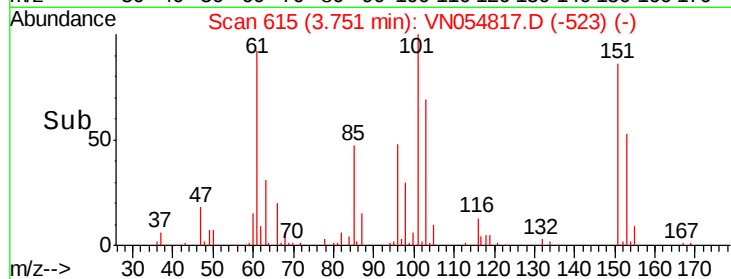
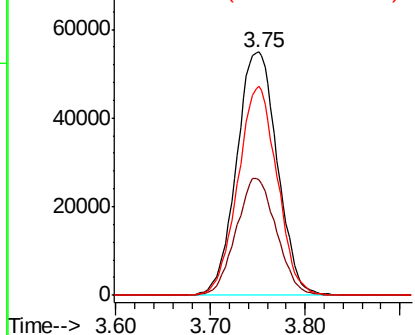
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.582 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 163909
 Ion Ratio Lower Upper
 101 100
 85 47.4 32.4 48.6
 151 83.0 68.2 102.2

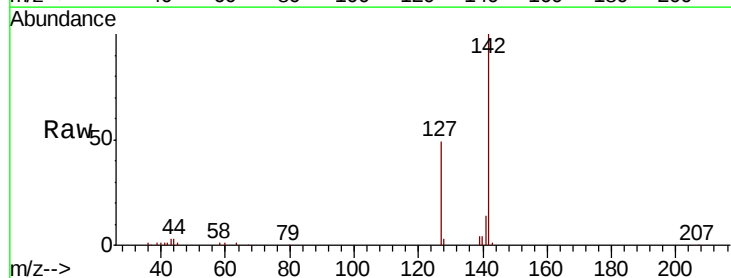


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

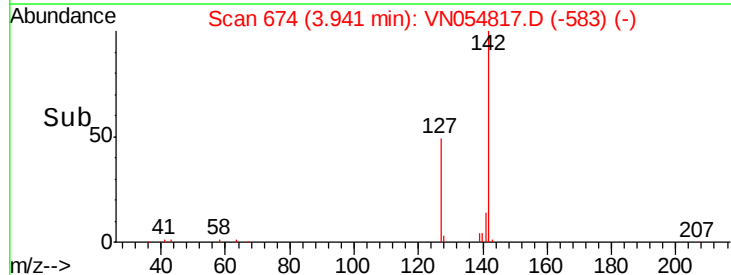
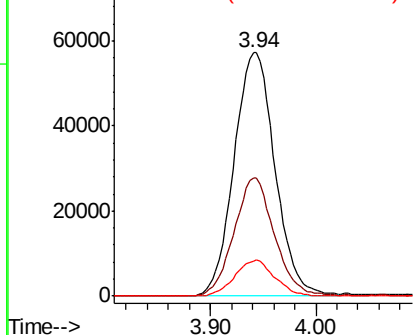


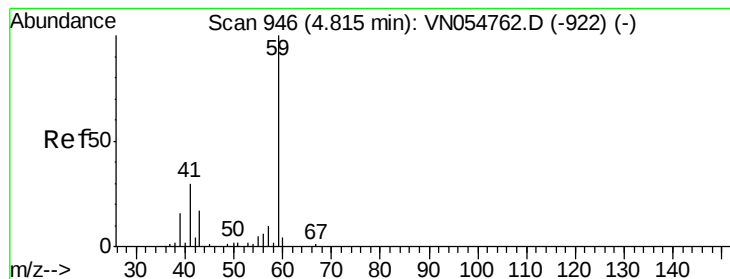
#10
 Methyl Iodide
 Concen: 33.456 ug/l
 RT: 3.94 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Tgt Ion:142 Resp: 154524
 Ion Ratio Lower Upper
 142 100
 127 47.9 30.3 45.5#
 141 14.4 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



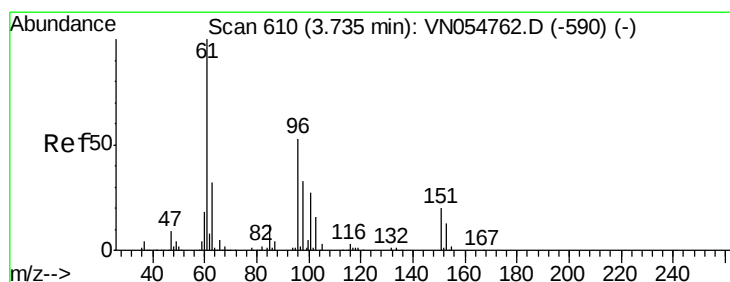
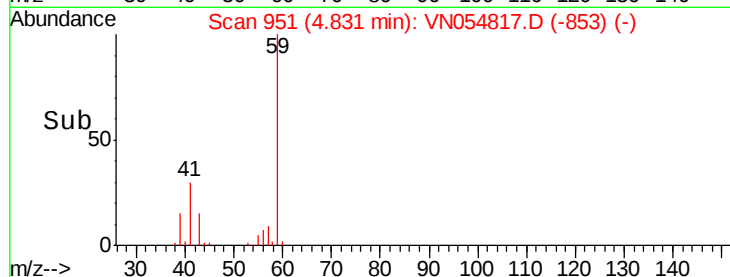
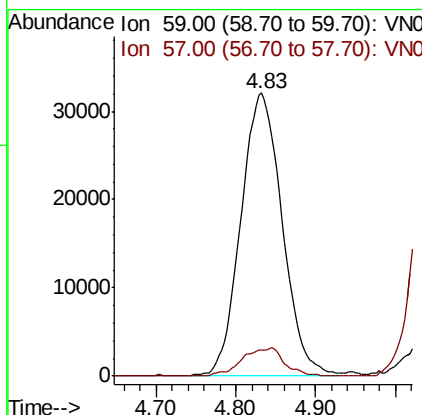
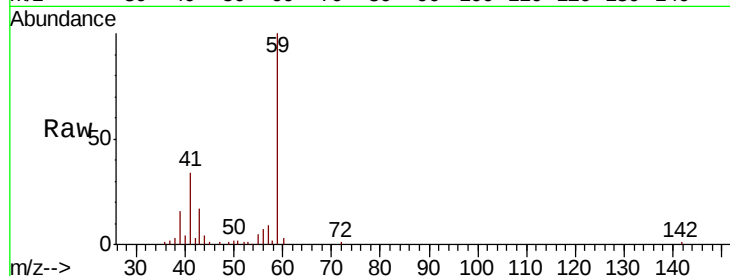


#11

Tert butyl alcohol
 Concen: 388.019 ug/l
 RT: 4.83 min Scan# 951
 Delta R.T. 0.02 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

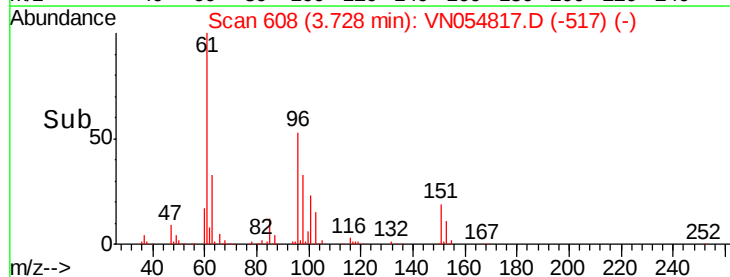
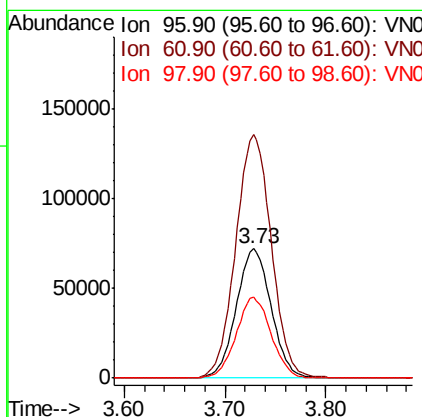
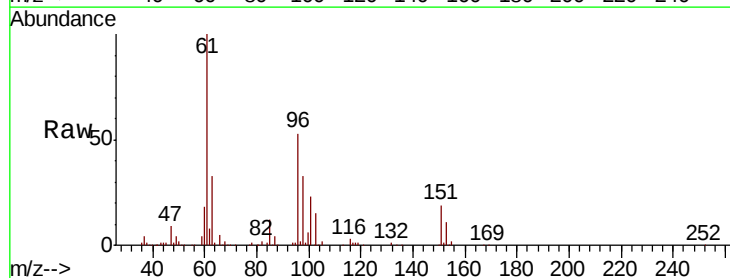
Tot Ion: 59 Resp: 113115
 Ion Ratio Lower Upper
 59 100
 57 10.2 9.0 13.6

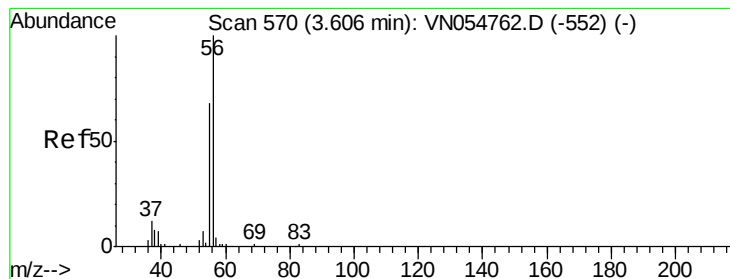


#12

1,1-Dichloroethene
 Concen: 52.983 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Tgt Ion: 96 Resp: 172865
 Ion Ratio Lower Upper
 96 100
 61 188.3 116.5 174.7#
 98 62.8 51.0 76.4





#13

Acrolein

Concen: 253.188 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

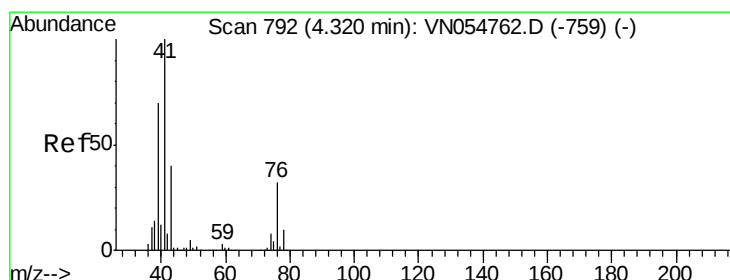
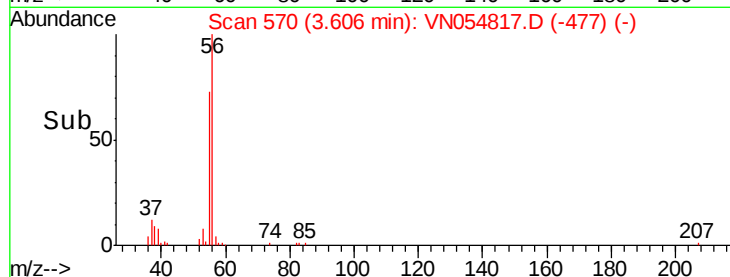
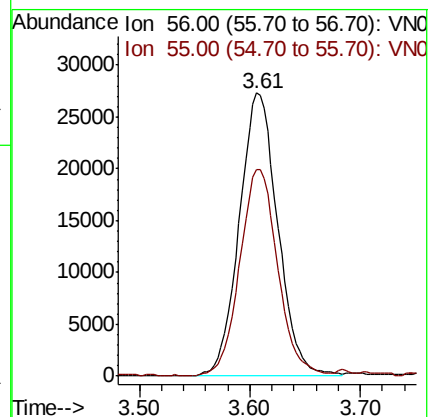
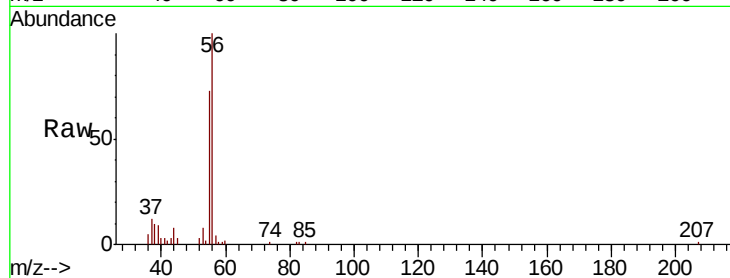
VSTDCCC050EC

Tot Ion: 56 Resp: 65984

Ion Ratio Lower Upper

56 100

55 72.4 56.7 85.1



#14

Allyl chloride

Concen: 52.777 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.01 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

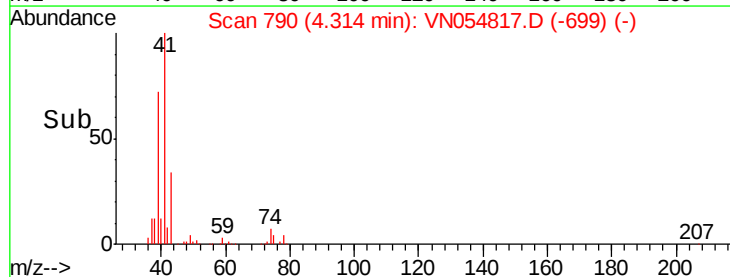
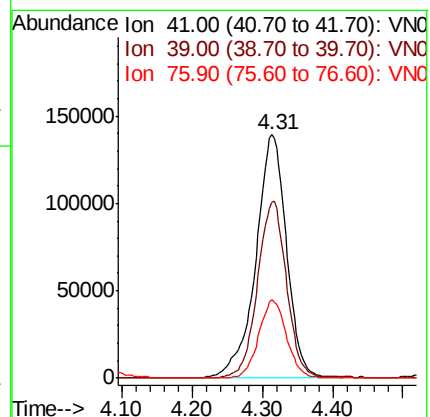
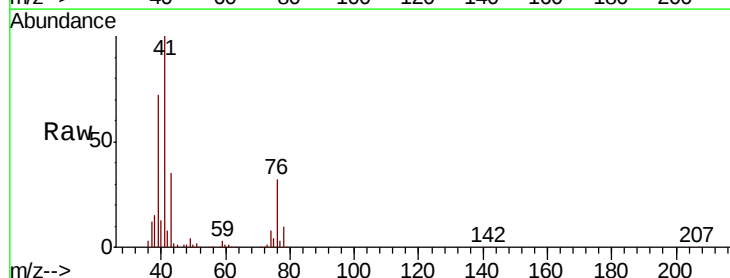
Tgt Ion: 41 Resp: 424138

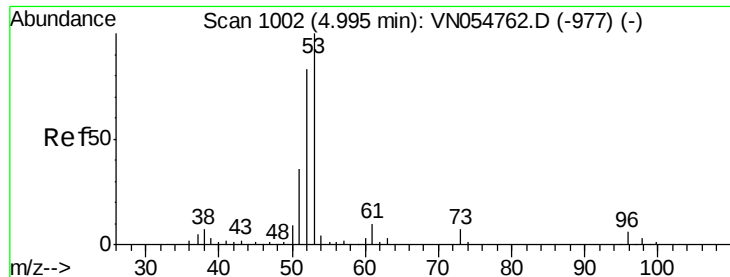
Ion Ratio Lower Upper

41 100

39 68.6 58.2 87.4

76 29.2 31.7 47.5#





#15

Acrylonitrile

Concen: 327.940 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

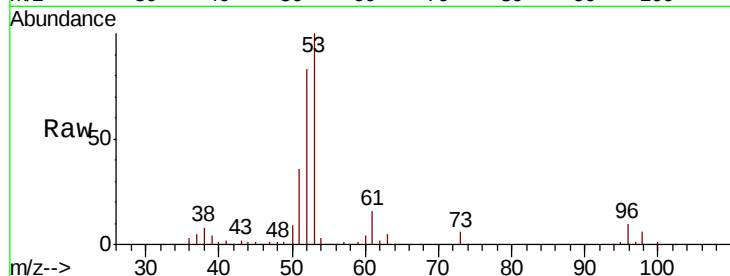
Tot Ion: 53 Resp: 531379

Ion Ratio Lower Upper

53 100

52 82.3 66.4 99.6

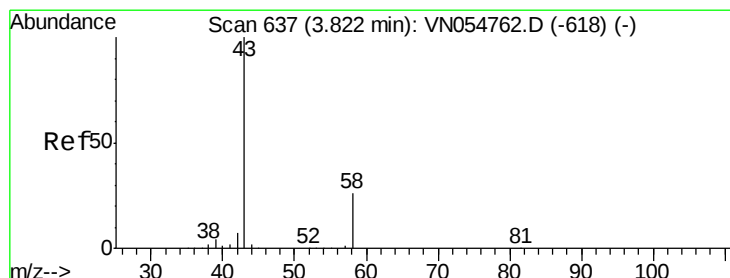
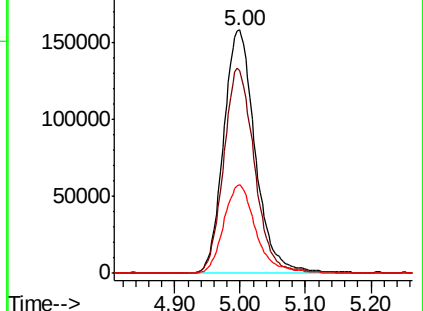
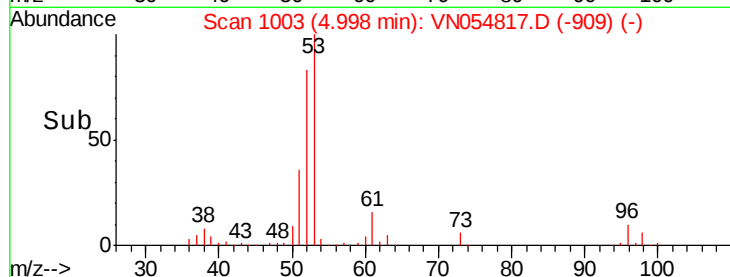
51 37.2 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN054817.D (-909) (-)

Ion 52.00 (51.70 to 52.70): VN054817.D (-909) (-)

Ion 51.00 (50.70 to 51.70): VN054817.D (-909) (-)



#16

Acetone

Concen: 278.779 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054817.D

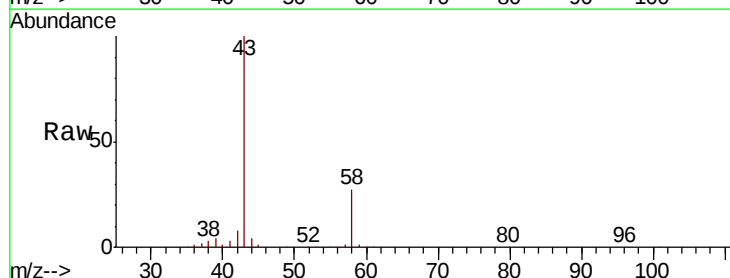
Acq: 30 Mar 2019 21:45

Tgt Ion: 43 Resp: 371961

Ion Ratio Lower Upper

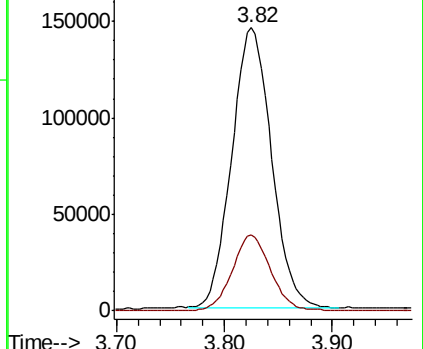
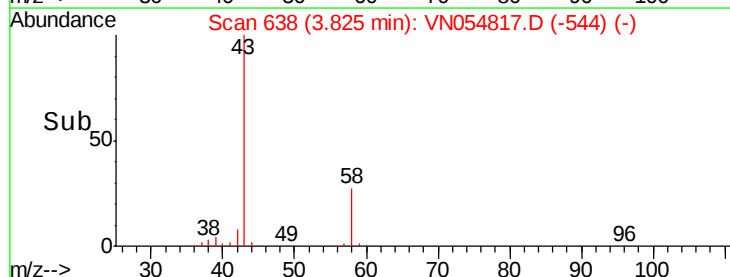
43 100

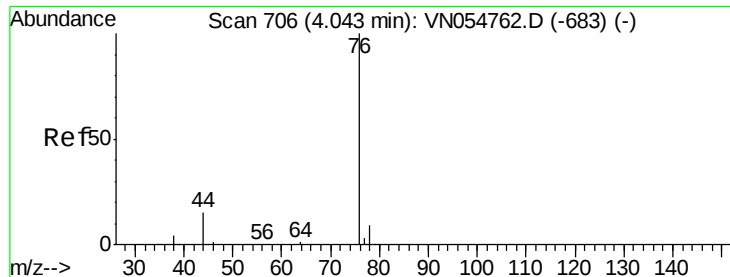
58 26.9 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN054817.D (-544) (-)

Ion 58.00 (57.70 to 58.70): VN054817.D (-544) (-)

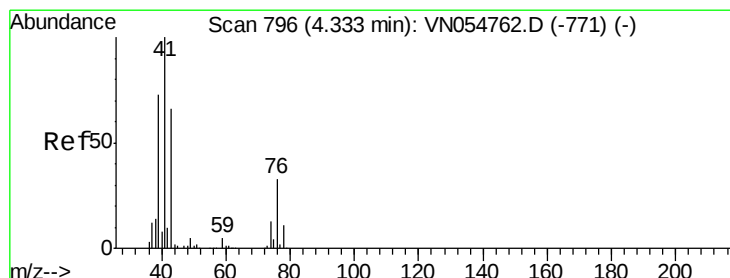
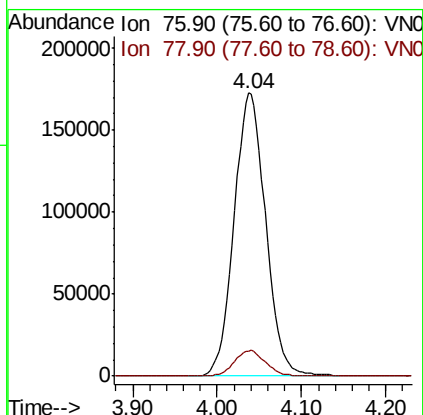
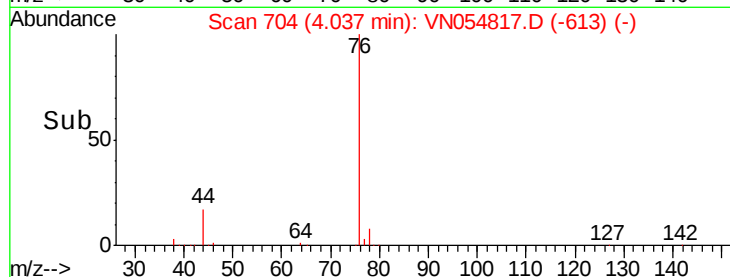
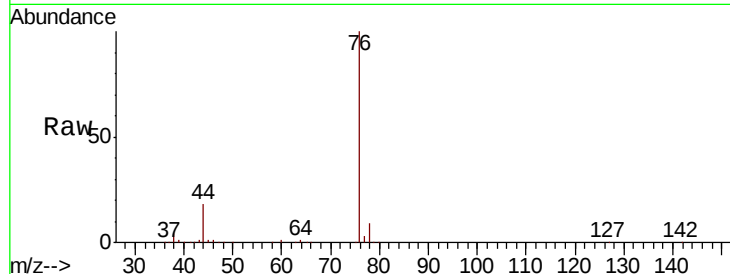




#17
Carbon Disulfide
Concen: 42.496 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.01 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

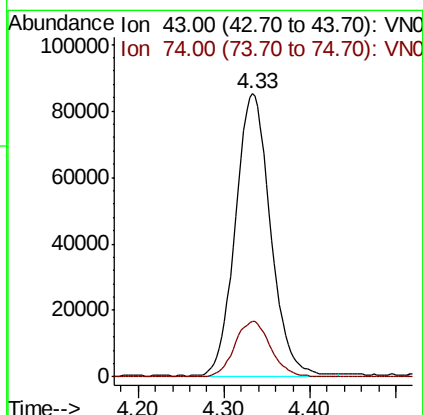
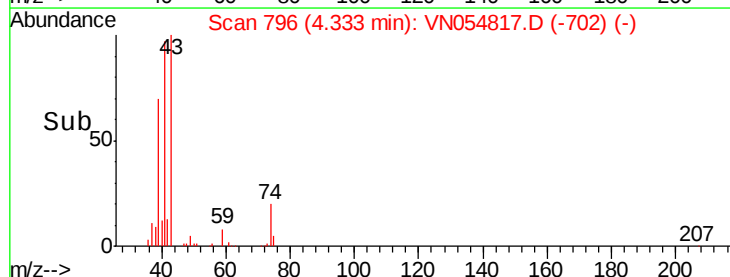
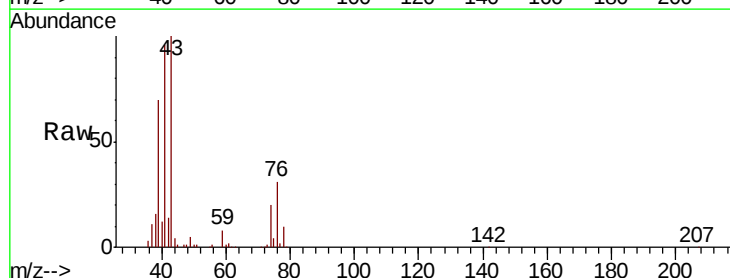
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

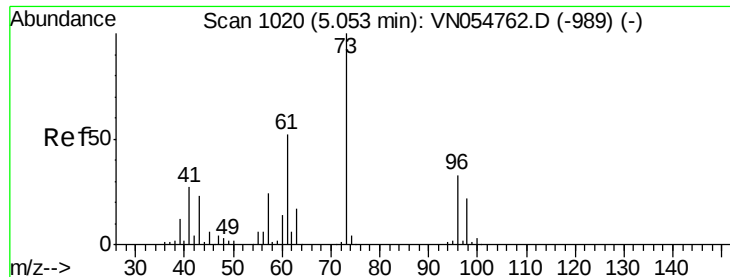
Tot Ion: 76 Resp: 449703
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3



#18
Methyl Acetate
Concen: 69.490 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion: 43 Resp: 240251
Ion Ratio Lower Upper
43 100
74 20.2 20.8 31.2#

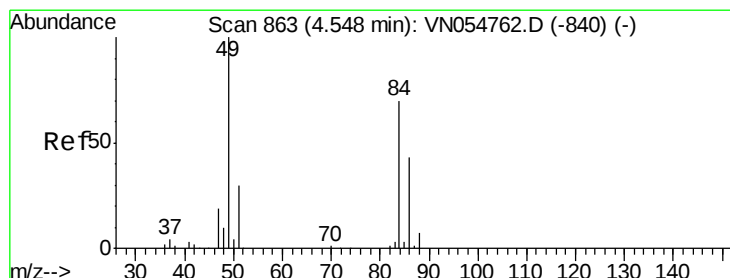
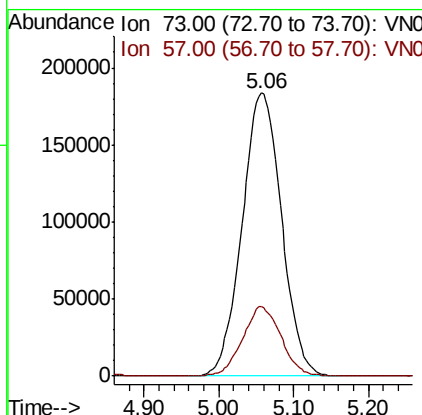
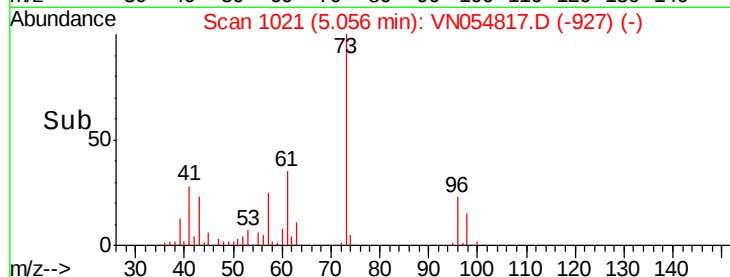
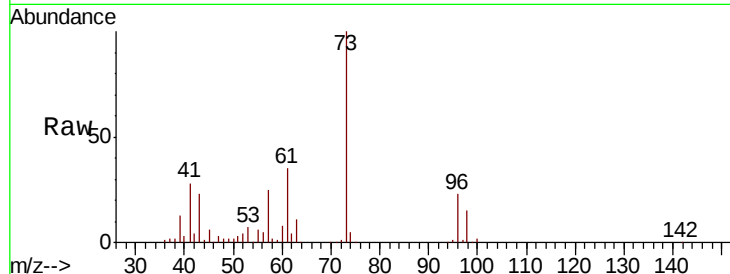




#19
Methvl tert-butvl Ether
Concen: 59.009 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

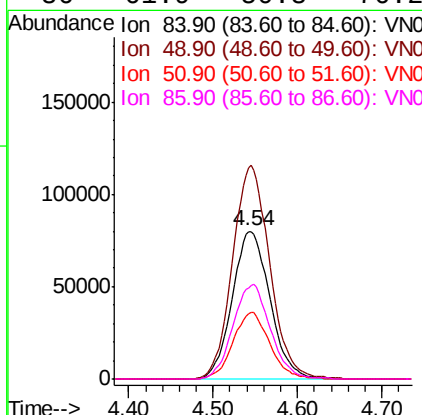
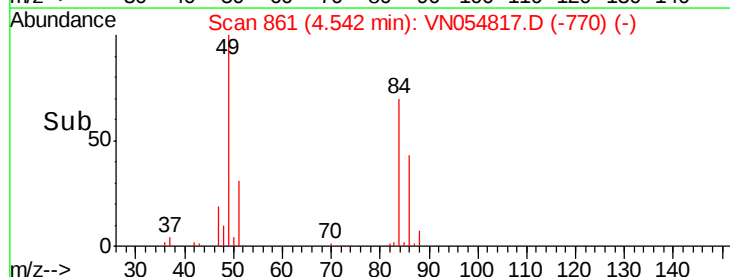
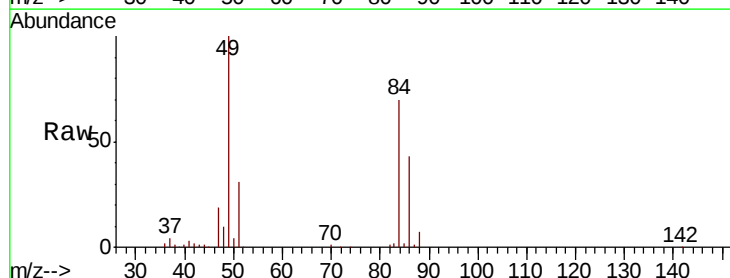
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

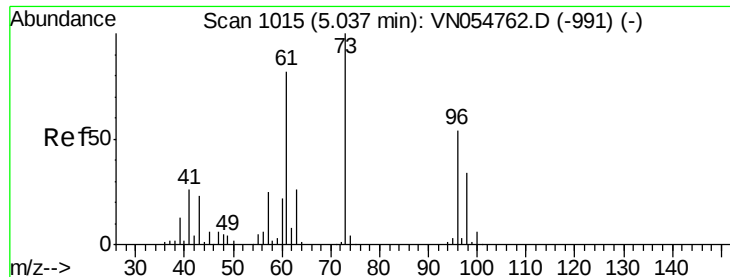
Tot Ion: 73 Resp: 673456
Ion Ratio Lower Upper
73 100
57 24.8 16.8 25.2



#20
Methylene Chloride
Concen: 52.866 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.01 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion: 84 Resp: 248810
Ion Ratio Lower Upper
84 100
49 143.3 89.7 134.5#
51 44.4 28.2 42.4#
86 61.9 50.8 76.2

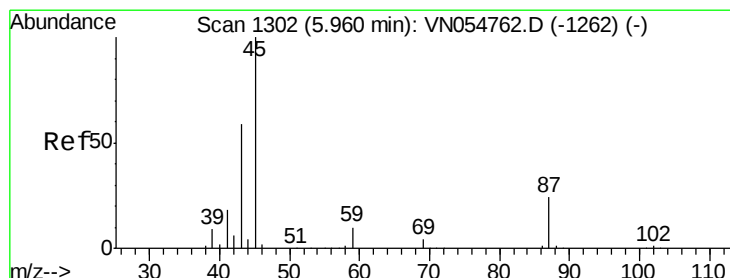
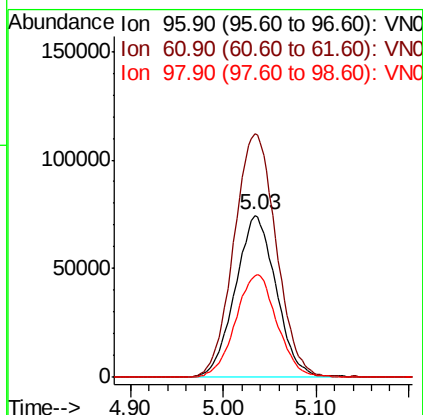
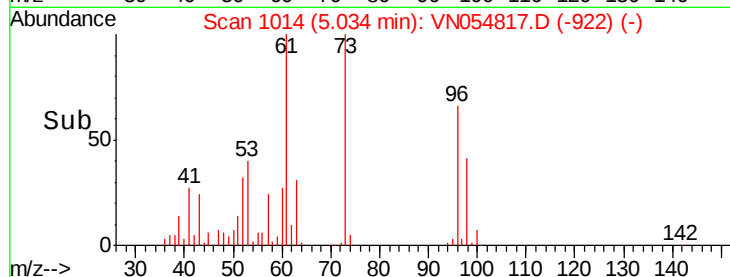
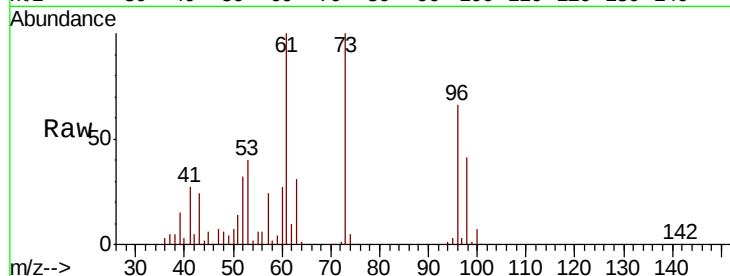




#21
trans-1,2-Dichloroethene
Concen: 53.256 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

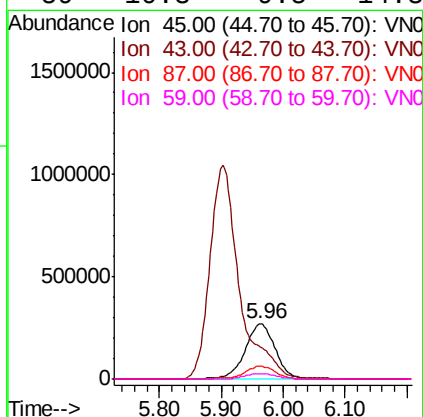
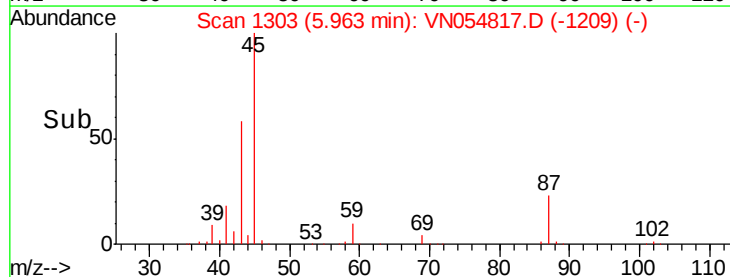
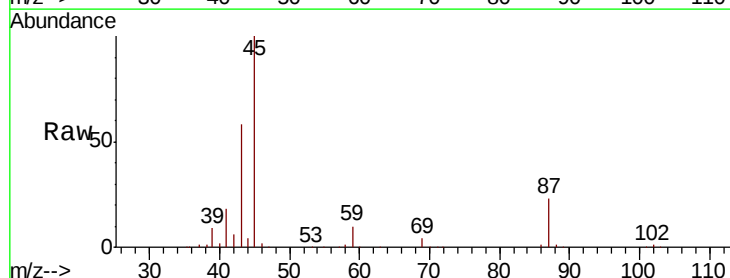
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

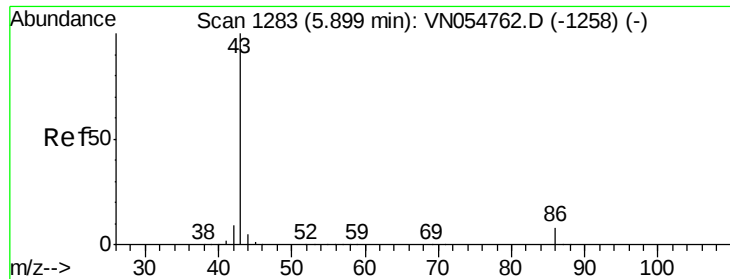
Tot Ion: 96 Resp: 228228
Ion Ratio Lower Upper
96 100
61 149.9 102.8 154.2
98 62.2 50.0 75.0



#22
Diisopropyl ether
Concen: 56.994 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion: 45 Resp: 905889
Ion Ratio Lower Upper
45 100
43 57.3 48.2 72.2
87 22.7 24.9 37.3#
59 10.3 9.5 14.3





#23

Vinyl Acetate

Concen: 314.507 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

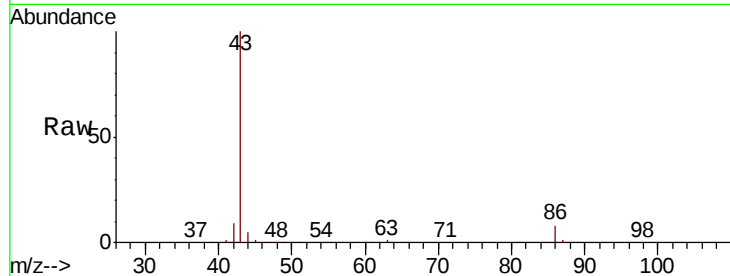
VSTDCCC050EC

Tot Ion: 43 Resp: 3478782

Ion Ratio Lower Upper

43 100

86 8.4 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN054817.D (-1190) (-)

Ion 86.00 (85.70 to 86.70): VN054817.D (-1190) (-)

1200000

1000000

800000

600000

400000

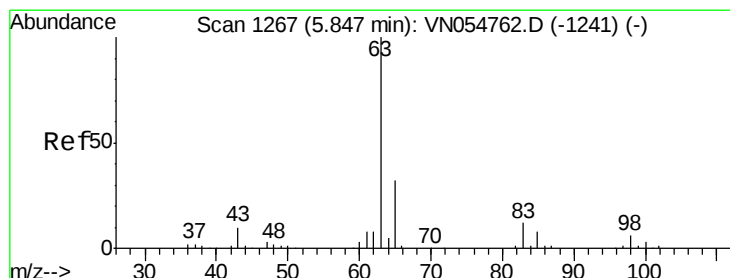
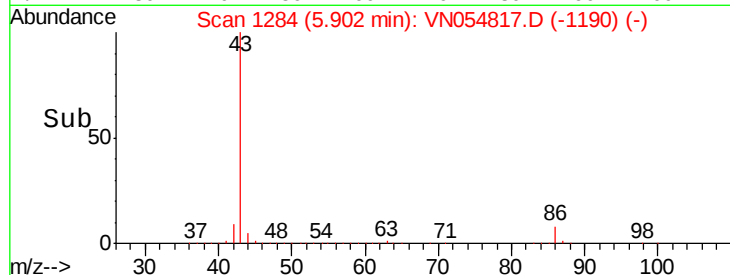
200000

0

5.80

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 54.895 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

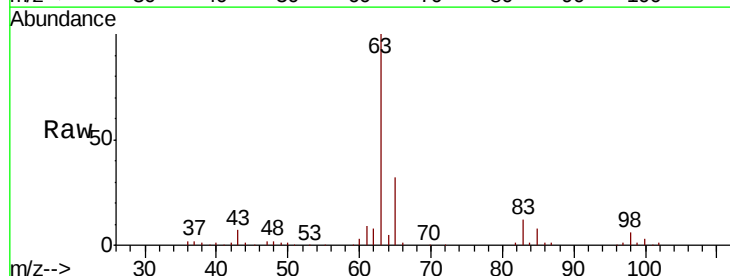
Tgt Ion: 63 Resp: 465445

Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.5

100 3.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN054817.D (-1174) (-)

Ion 97.90 (97.60 to 98.60): VN054817.D (-1174) (-)

Ion 99.90 (99.60 to 100.60): VN054817.D (-1174) (-)

200000

150000

100000

50000

0

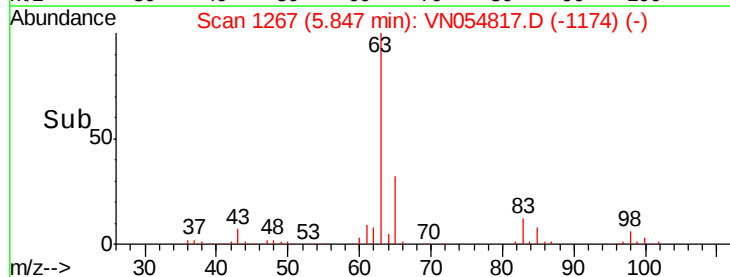
5.70

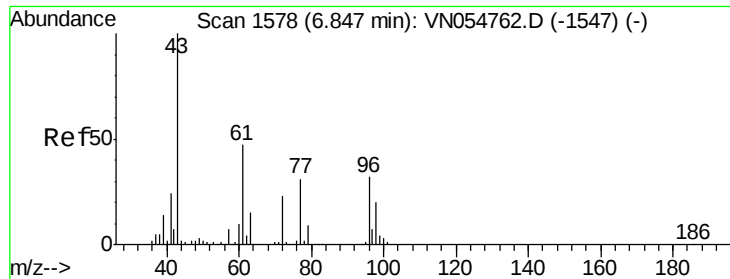
5.80

5.90

6.00

Time-->

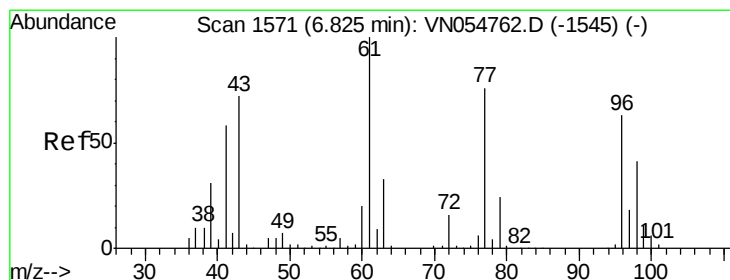
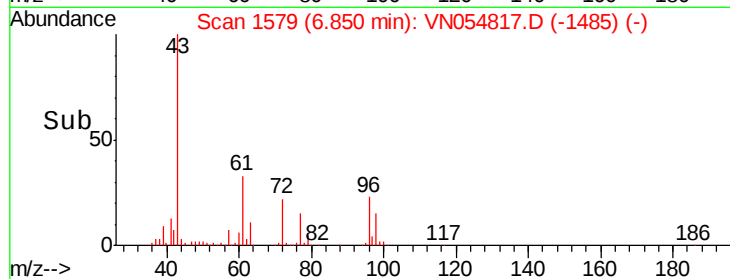
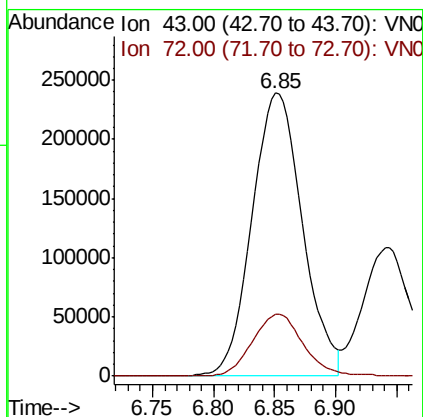
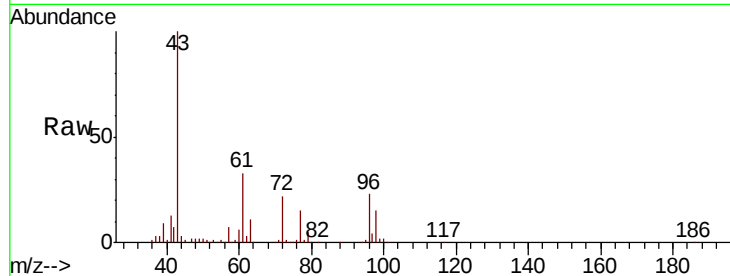




#25
 2-Butanone
 Concen: 346.488 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

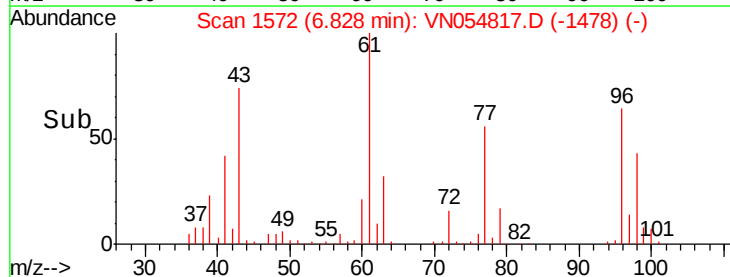
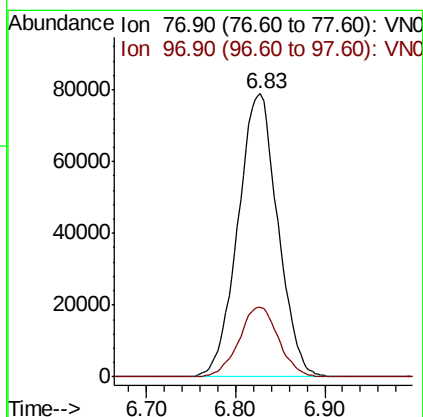
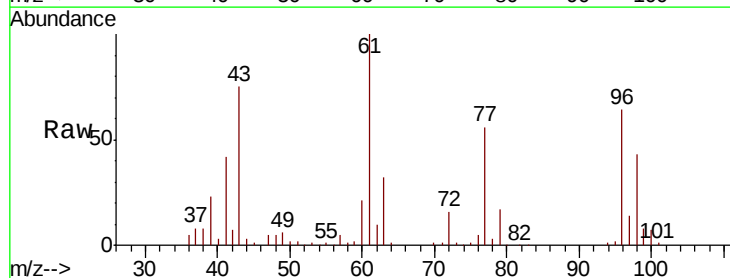
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

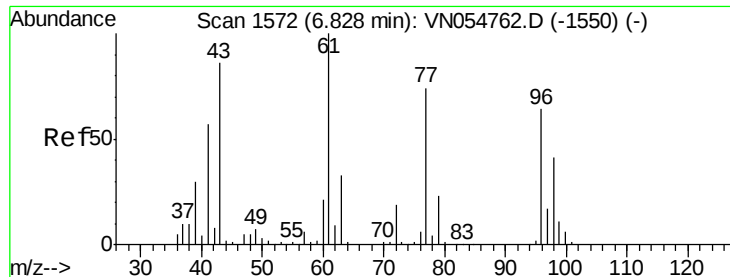
Tot Ion: 43 Resp: 683371
 Ion Ratio Lower Upper
 43 100
 72 21.9 23.0 34.6#



#26
 2,2-Dichloropropane
 Concen: 41.219 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Tgt Ion: 77 Resp: 244949
 Ion Ratio Lower Upper
 77 100
 97 24.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 55.052 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

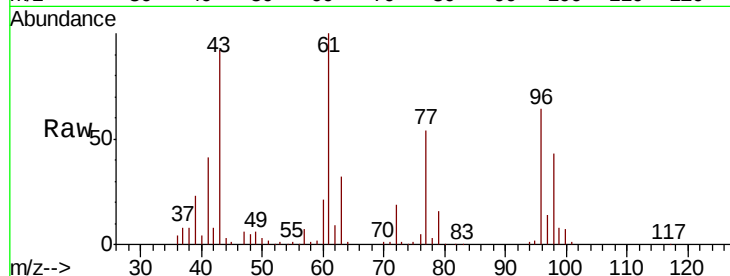
Tot Ion: 96 Resp: 266517

Ion Ratio Lower Upper

96 100

61 154.0 0.0 273.0

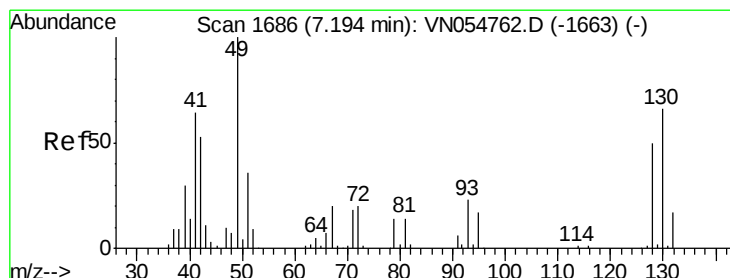
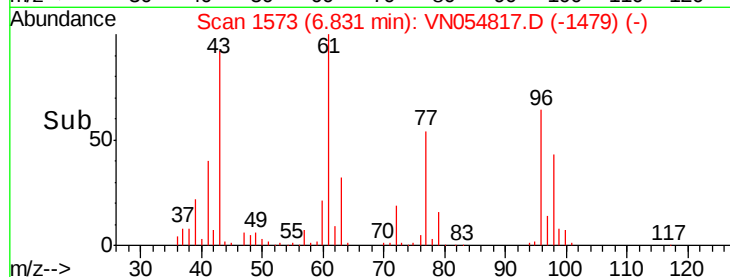
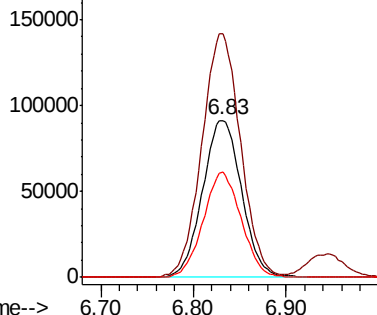
98 65.2 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 56.858 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

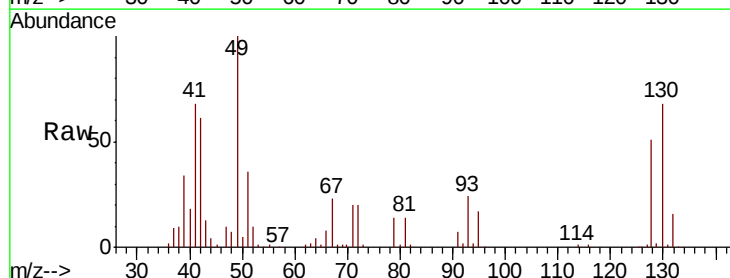
Tgt Ion: 49 Resp: 241060

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

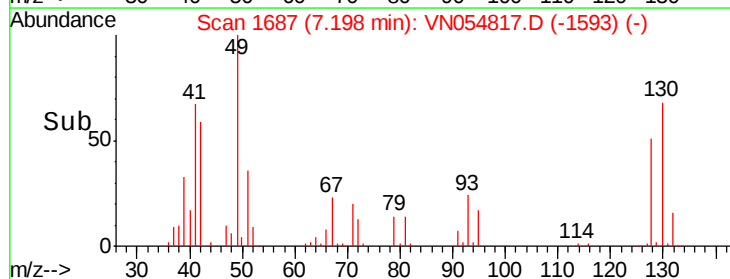
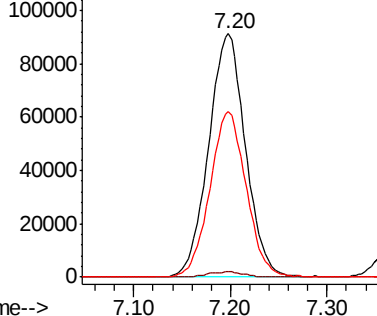
130 66.8 76.7 115.1#

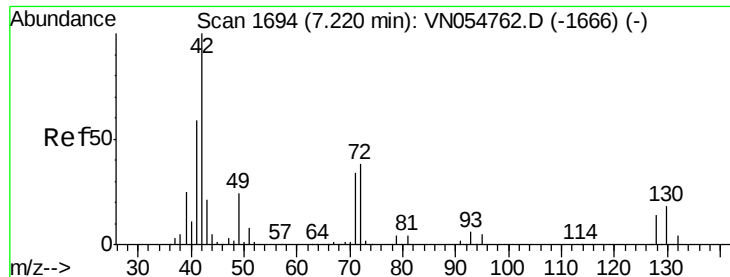


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 339.864 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

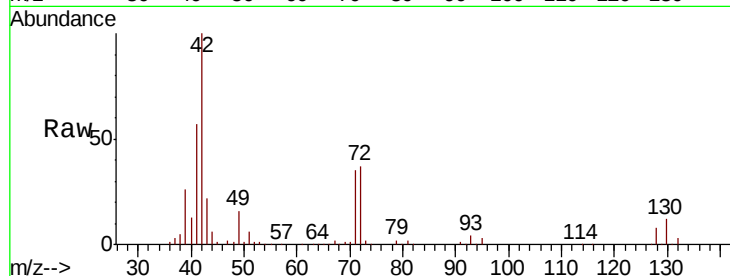
Tot Ion: 42 Resp: 465560

Ion Ratio Lower Upper

42 100

72 36.5 37.8 56.6#

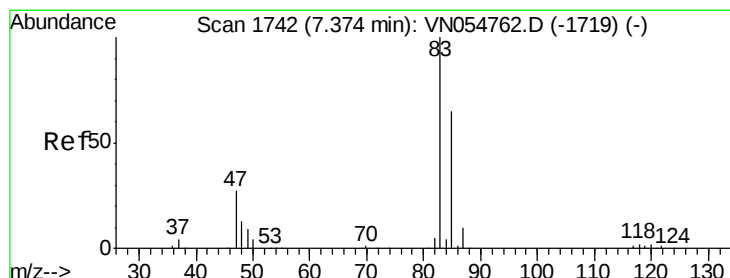
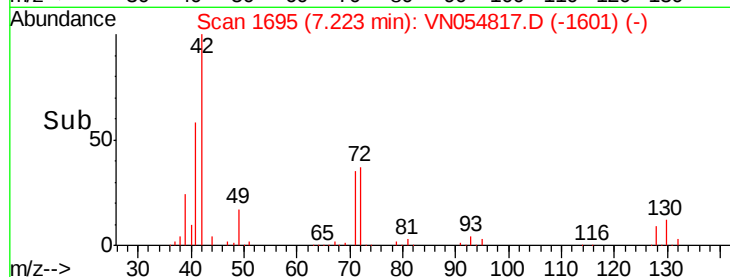
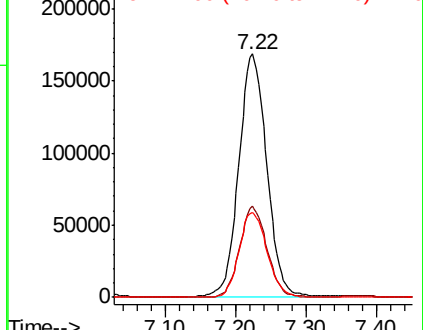
71 35.0 36.2 54.2#



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: 55.920 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN054817.D

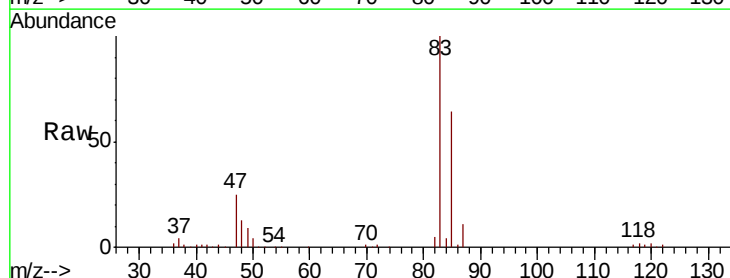
Acq: 30 Mar 2019 21:45

Tgt Ion: 83 Resp: 452106

Ion Ratio Lower Upper

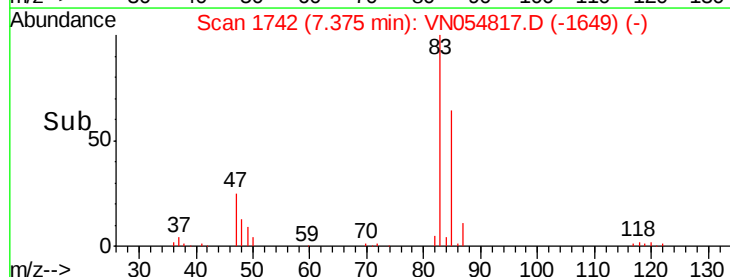
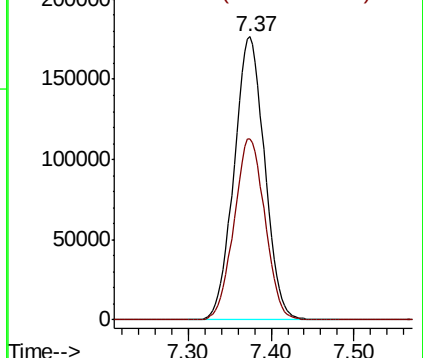
83 100

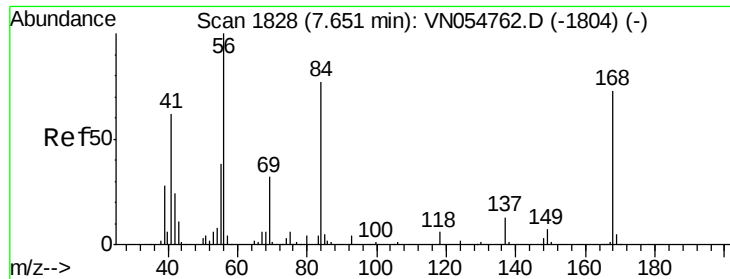
85 64.1 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 54.849 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

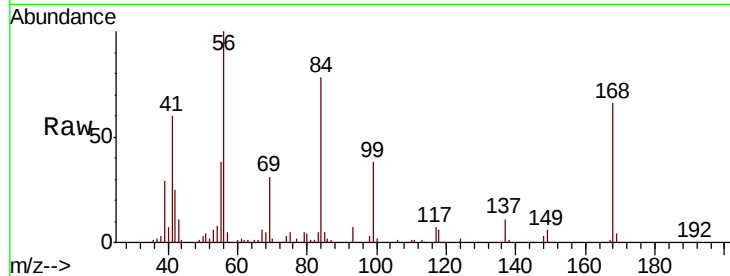
Tot Ion: 56 Resp: 422202

Ion Ratio Lower Upper

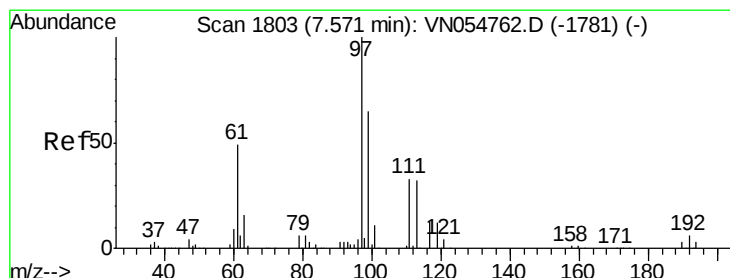
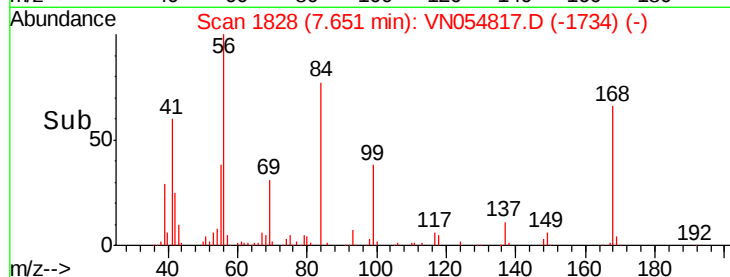
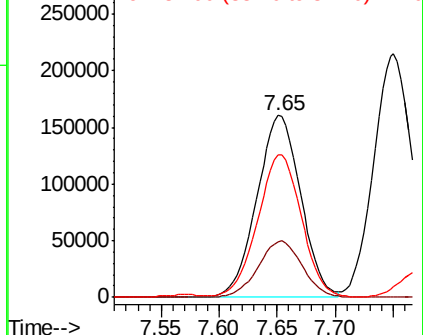
56 100

69 30.7 27.8 41.6

84 76.7 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 56.387 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

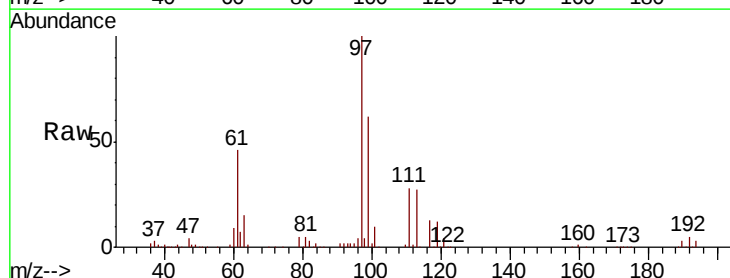
Tgt Ion: 97 Resp: 377795

Ion Ratio Lower Upper

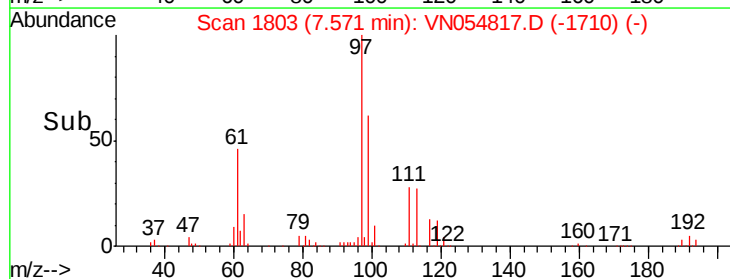
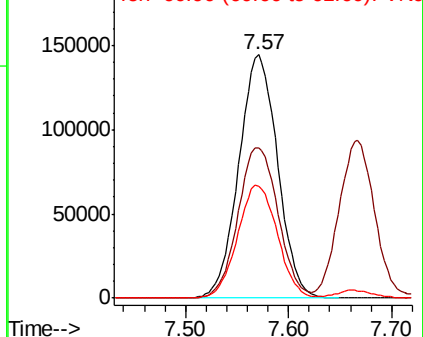
97 100

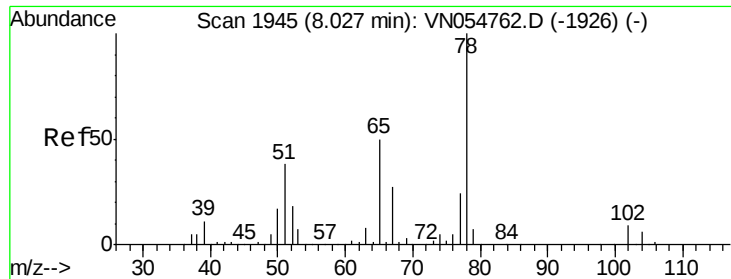
99 64.2 51.5 77.3

61 47.7 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 54.936 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

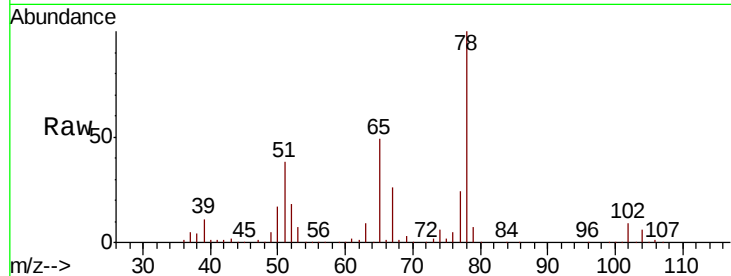
VSTDCCC050EC

Tot Ion: 65 Resp: 307376

Ion Ratio Lower Upper

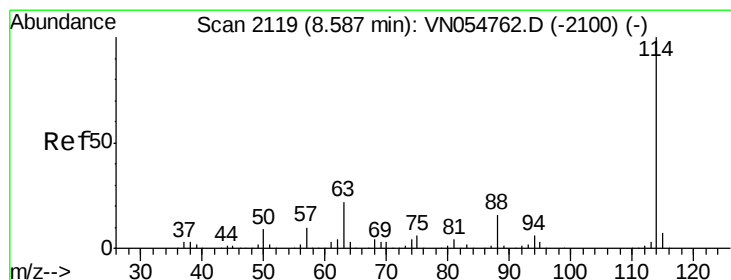
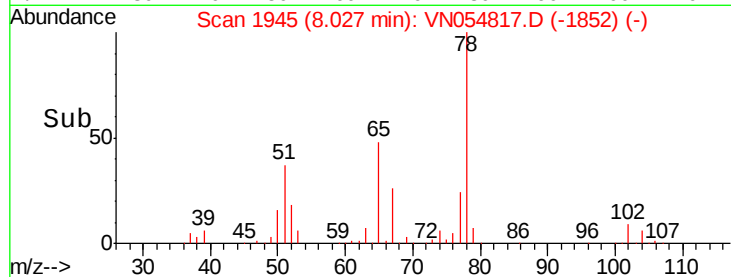
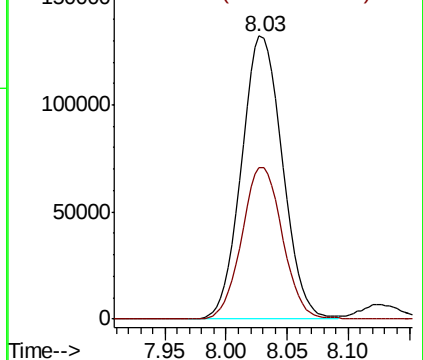
65 100

67 53.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054817.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054817.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

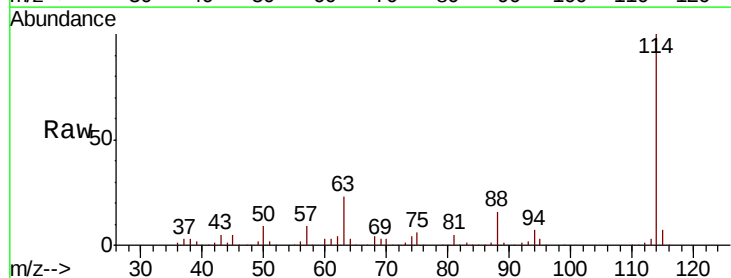
Tgt Ion: 114 Resp: 702921

Ion Ratio Lower Upper

114 100

63 22.5 0.0 35.2

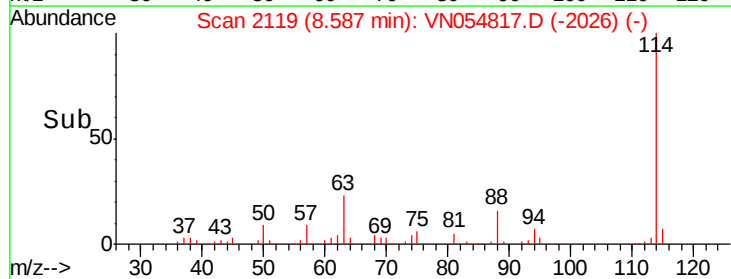
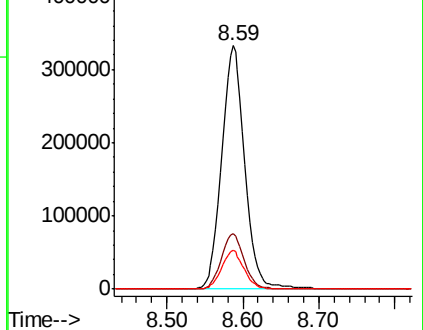
88 15.9 0.0 30.2

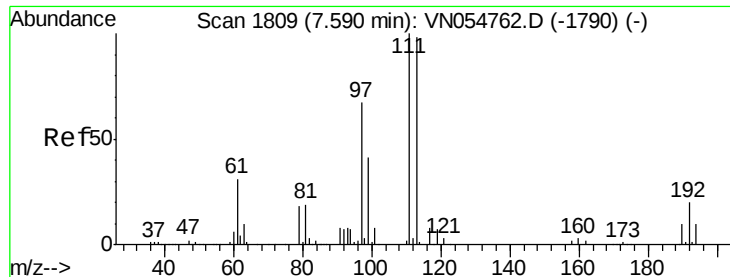


Abundance Ion 113.90 (113.60 to 114.60): VN054817.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054817.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054817.D (-2026) (-)

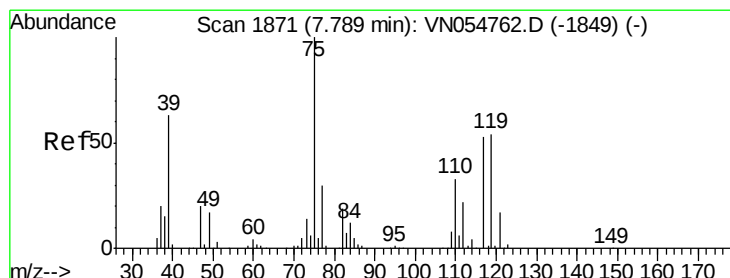
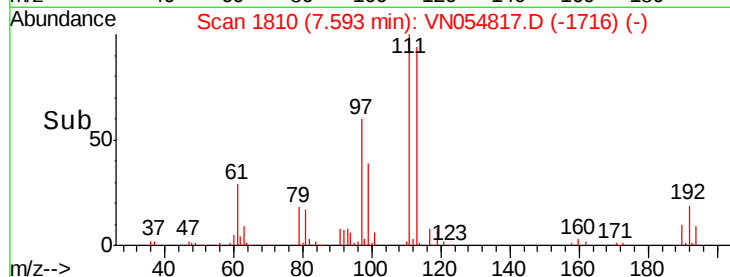
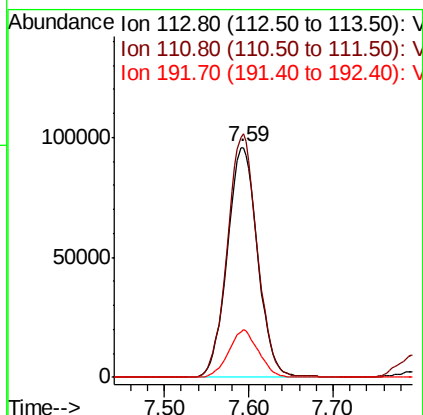
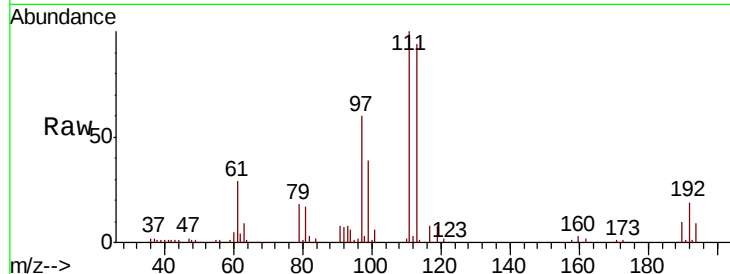




#35
 Dibromofluoromethane
 Concen: 51.182 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

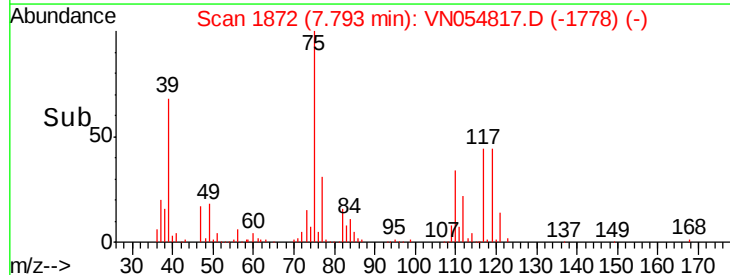
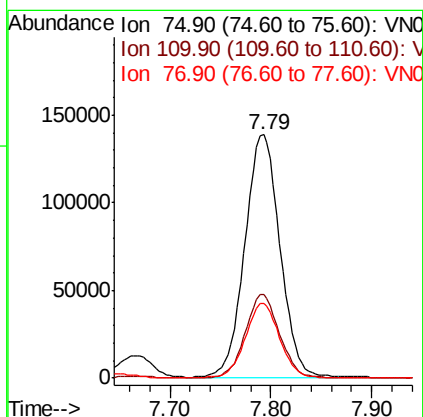
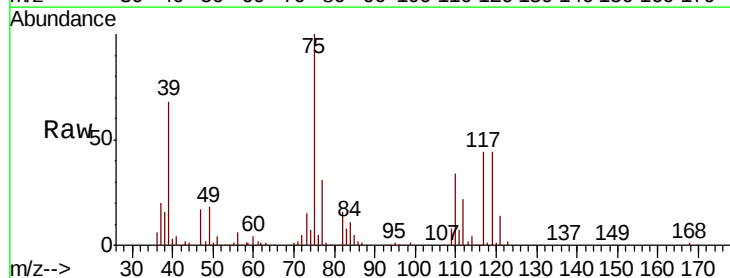
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

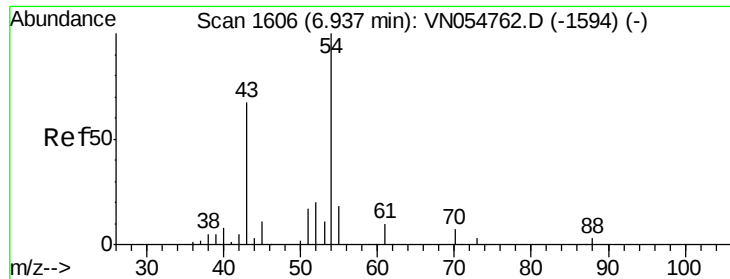
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.4
192	20.1	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 50.935 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.5	19.1	57.5
77	30.3	25.0	37.4

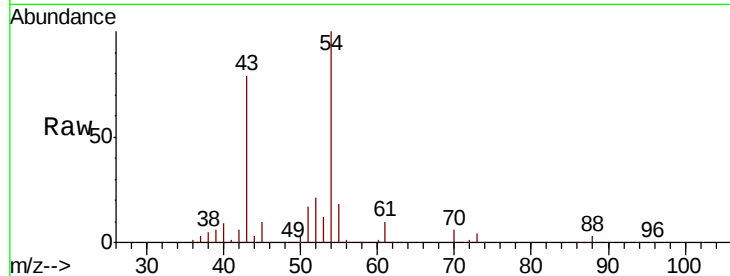




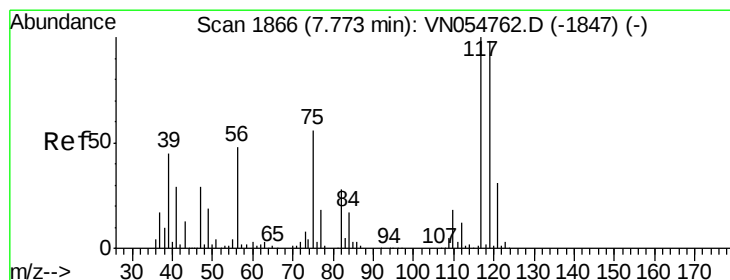
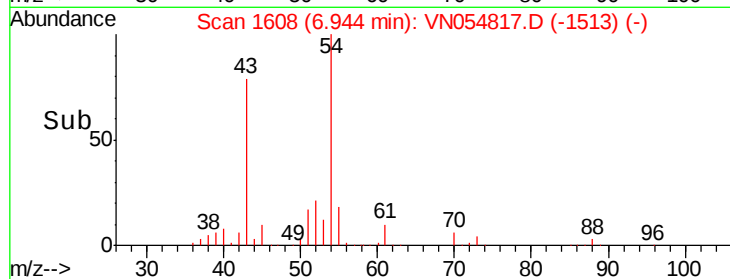
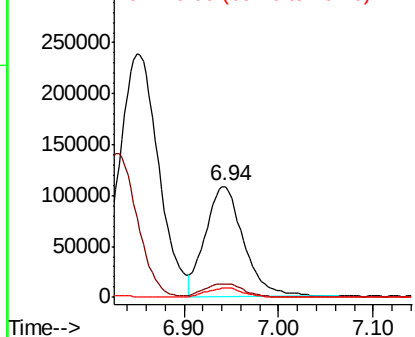
#37
Ethyl Acetate
Concen: 62.926 ug/l
RT: 6.94 min Scan# 1608
Delta R.T. 0.01 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 302246
Ion Ratio Lower Upper
43 100
61 12.1 11.8 17.6
70 8.2 8.4 12.6#

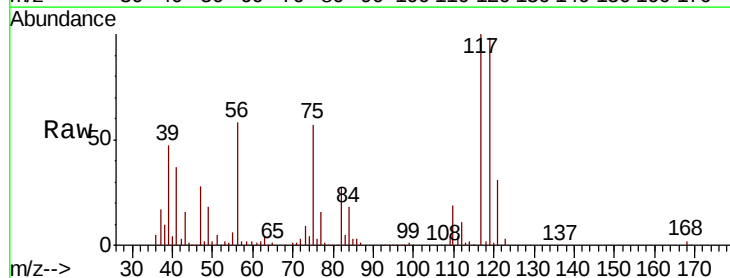


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

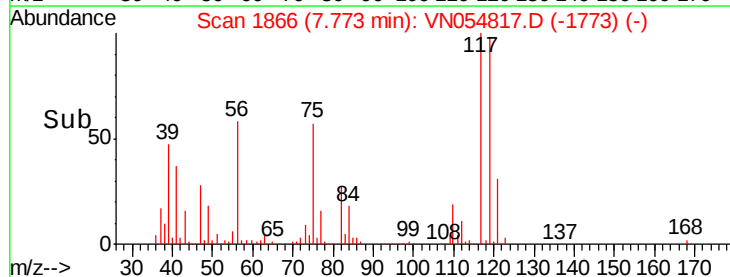
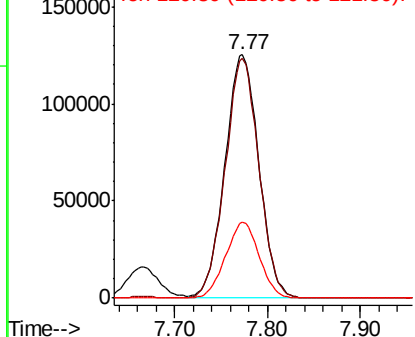


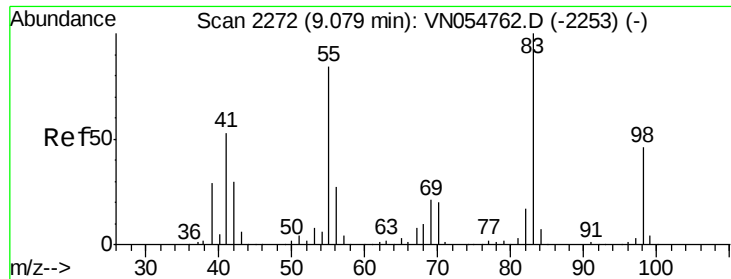
#38
Carbon Tetrachloride
Concen: 50.030 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion: 117 Resp: 318278
Ion Ratio Lower Upper
117 100
119 98.3 76.3 114.5
121 31.3 24.6 36.8



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

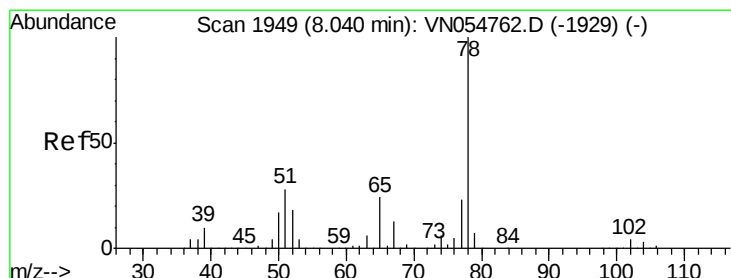
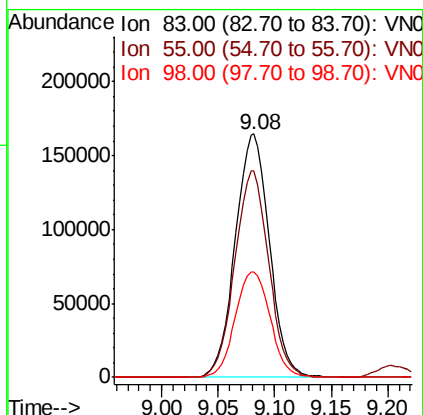
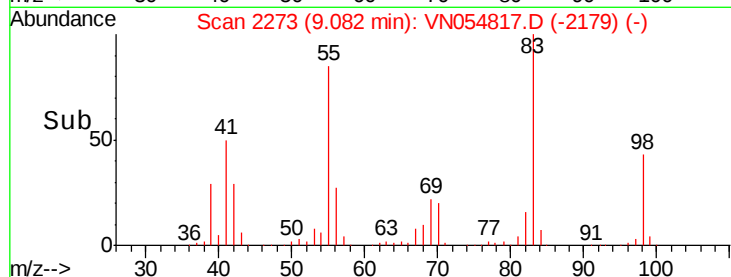
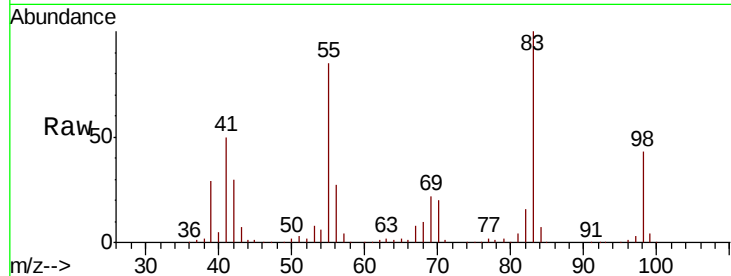




#39
Methvlcvclohexane
Concen: 48.121 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

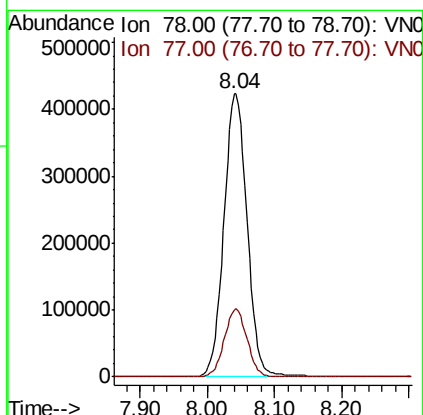
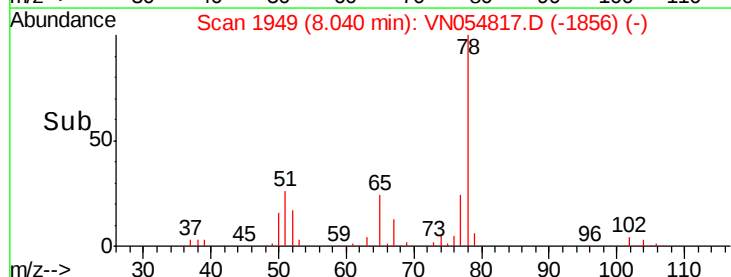
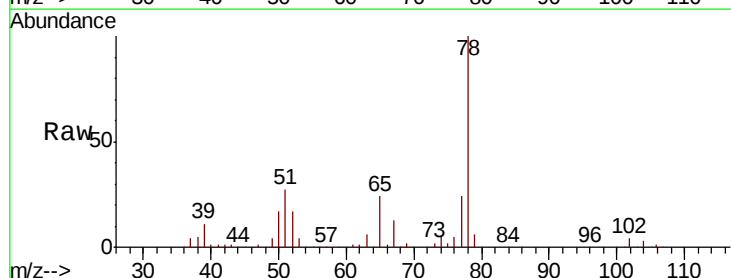
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

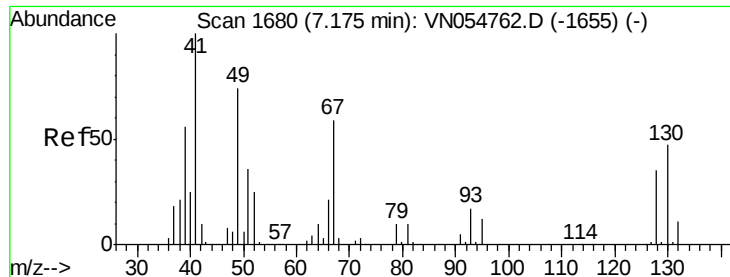
Tot Ion: 83 Resp: 346515
Ion Ratio Lower Upper
83 100
55 84.7 56.6 84.8
98 43.3 38.4 57.6



#40
Benzene
Concen: 54.258 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion: 78 Resp: 1016891
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7





#41

Methacrylonitrile

Concen: 62.095 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 167545

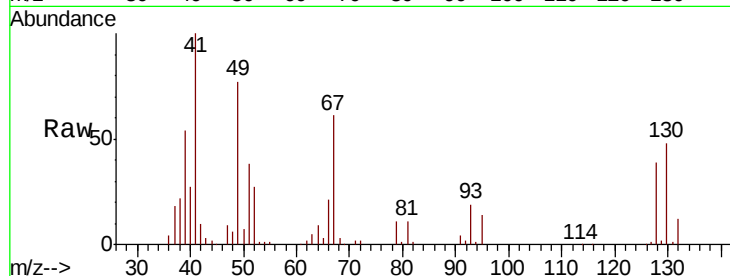
Ion Ratio Lower Upper

41 100

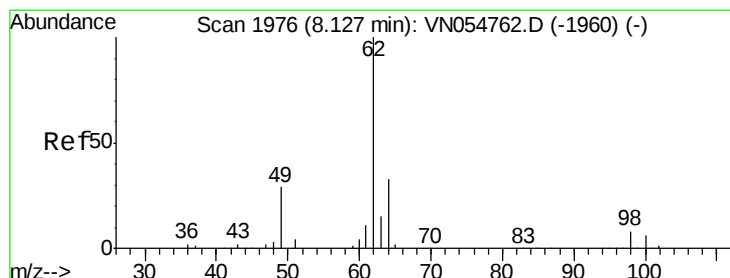
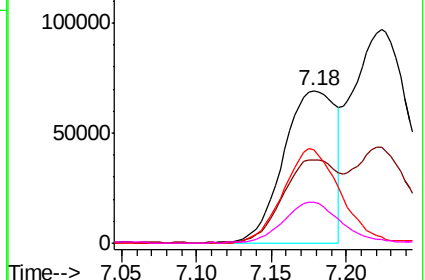
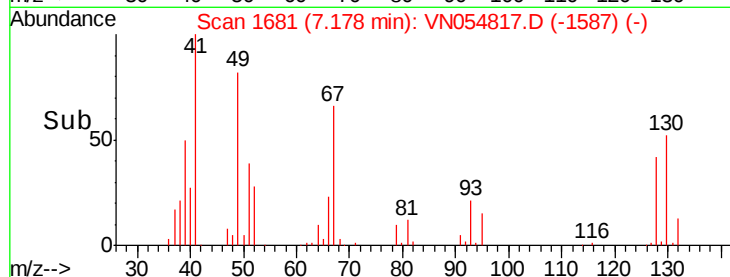
39 57.5 46.8 70.2

67 68.1 67.0 100.4

52 30.6 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VNO
150000 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: 54.861 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN054817.D

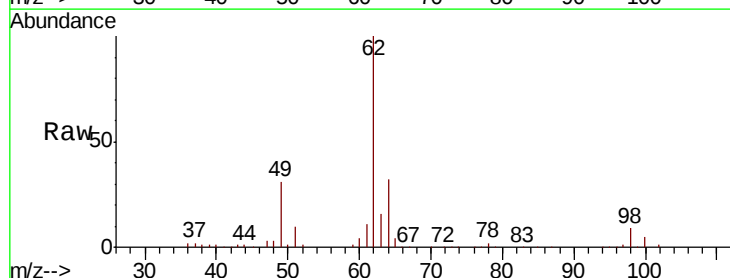
Acq: 30 Mar 2019 21:45

Tgt Ion: 62 Resp: 367124

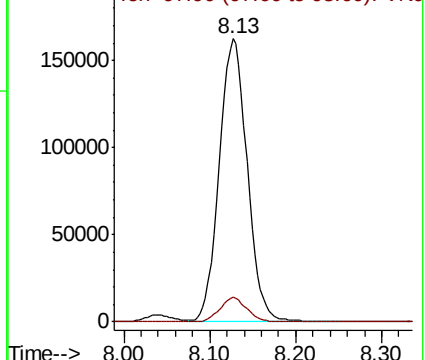
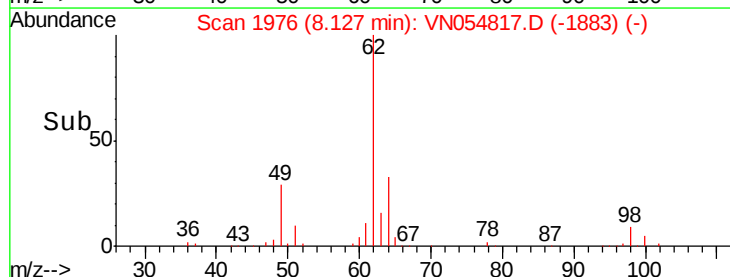
Ion Ratio Lower Upper

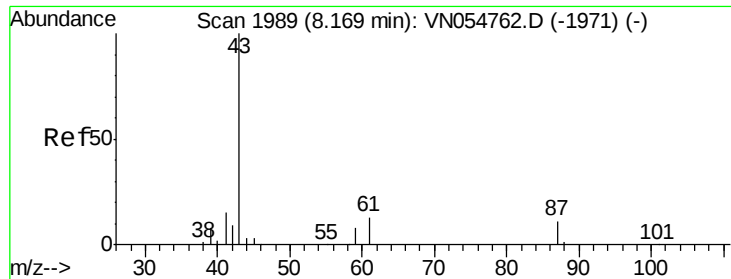
62 100

98 8.3 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 65.428 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

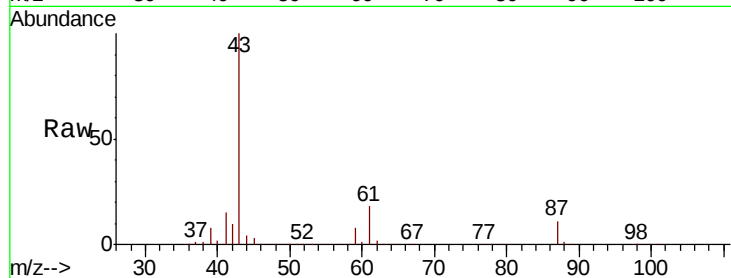
Tot Ion: 43 Resp: 510635

Ion Ratio Lower Upper

43 100

61 17.7 15.8 23.8

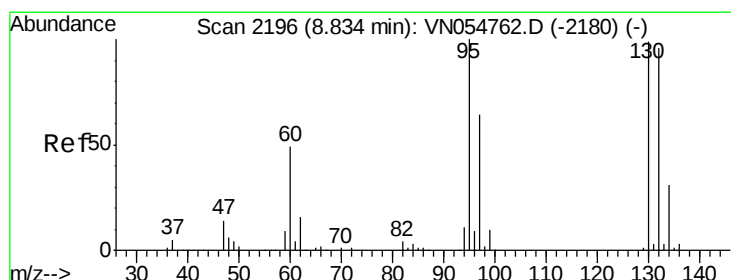
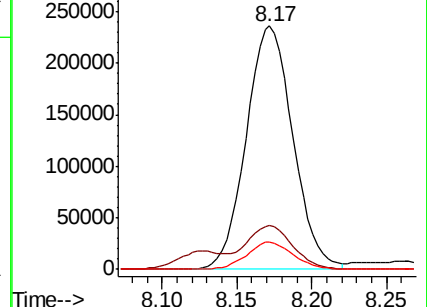
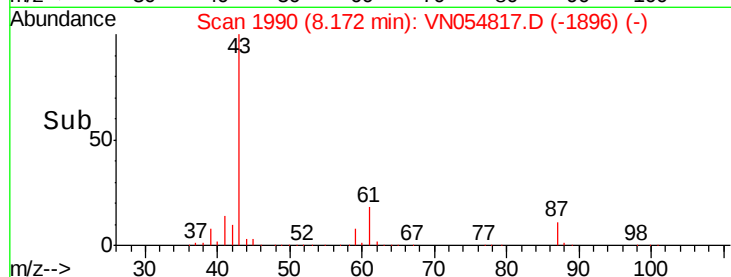
87 11.2 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054817.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054817.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054817.D (-1896) (-)



#44

Trichloroethene

Concen: 52.442 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054817.D

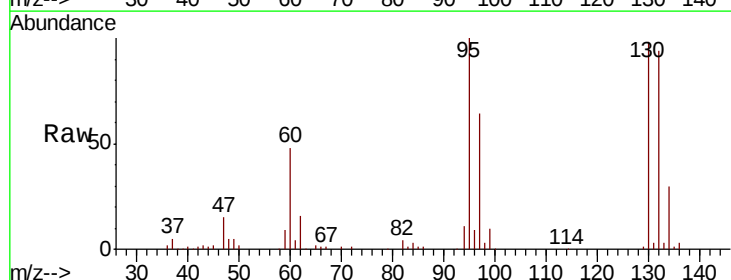
Acq: 30 Mar 2019 21:45

Tgt Ion:130 Resp: 255134

Ion Ratio Lower Upper

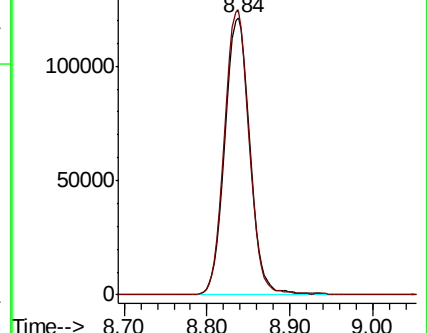
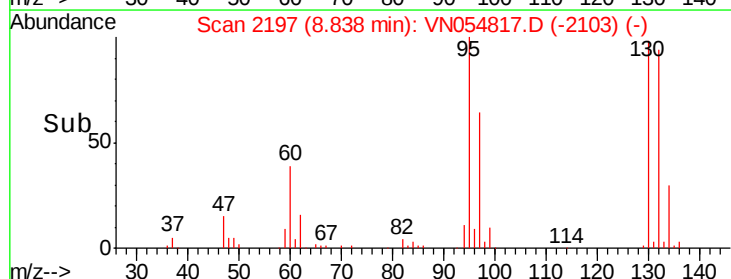
130 100

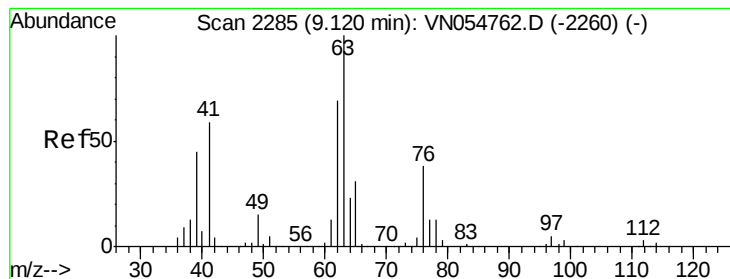
95 102.0 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054817.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054817.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 53.291 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

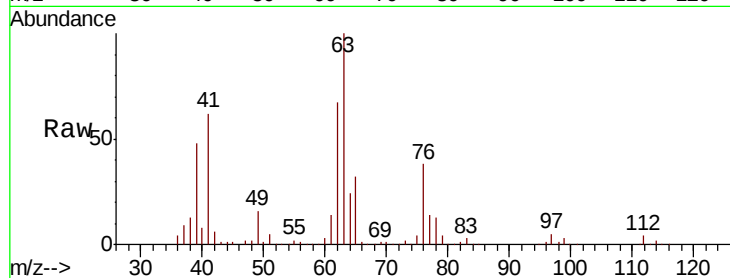
VSTDCCC050EC

Tot Ion: 63 Resp: 284788

Ion Ratio Lower Upper

63 100

65 31.7 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

150000

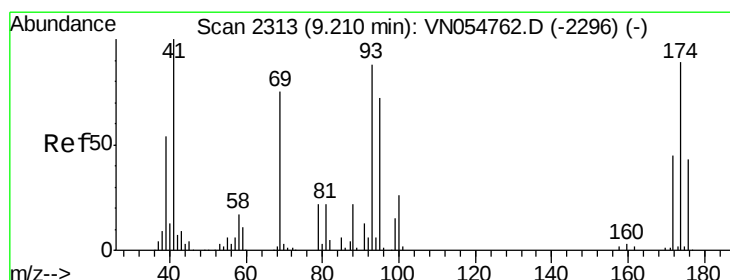
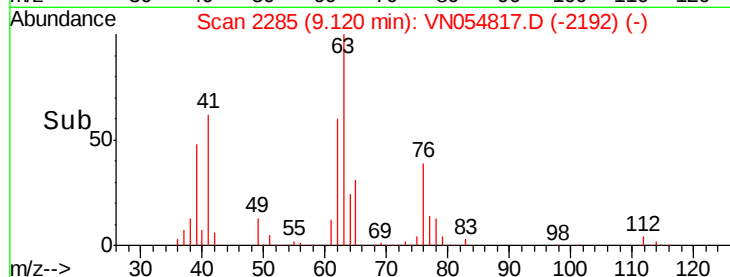
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 55.349 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

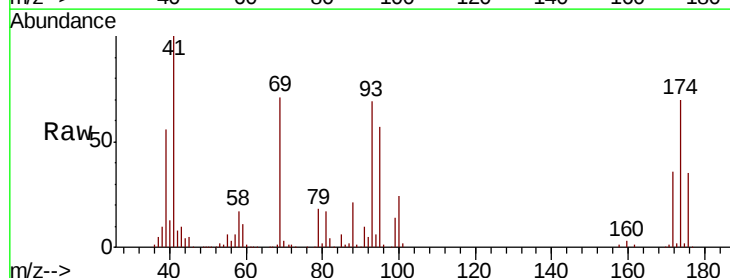
Tgt Ion: 93 Resp: 166391

Ion Ratio Lower Upper

93 100

95 84.0 66.7 100.1

174 102.5 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

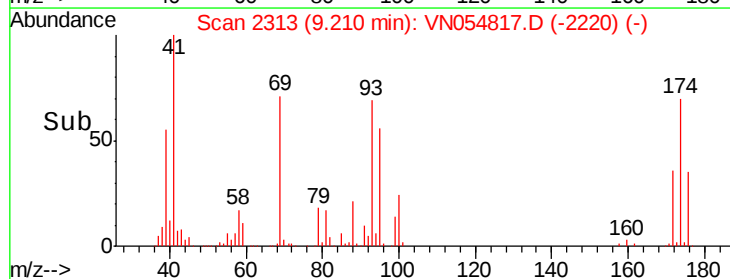
40000

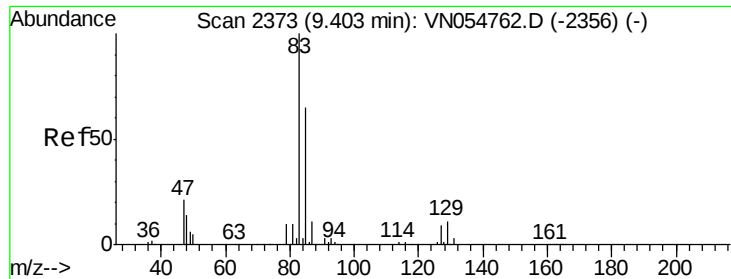
20000

0

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 55.808 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

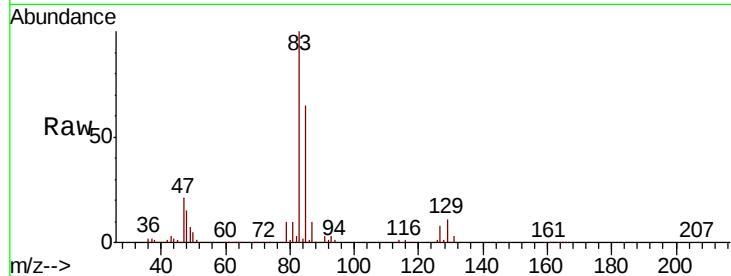
Tot Ion: 83 Resp: 348675

Ion Ratio Lower Upper

83 100

85 64.9 52.8 79.2

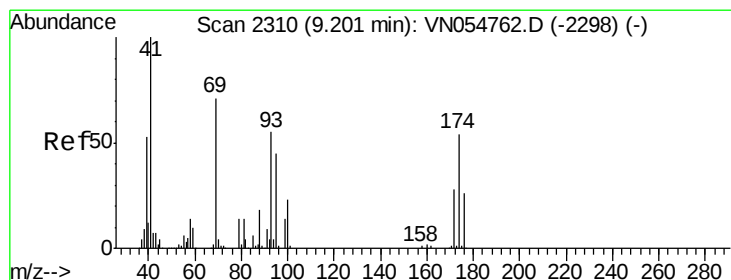
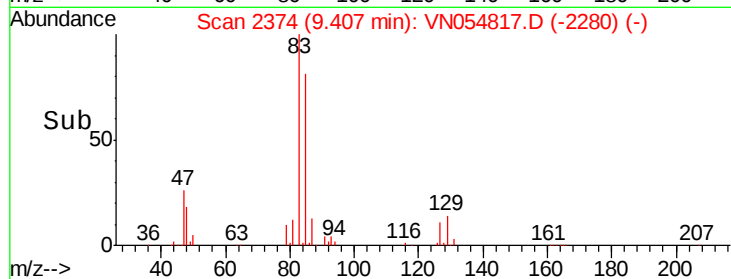
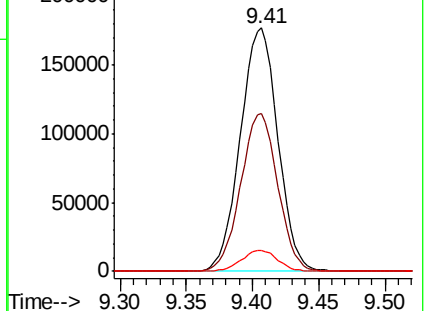
127 8.4 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 62.147 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

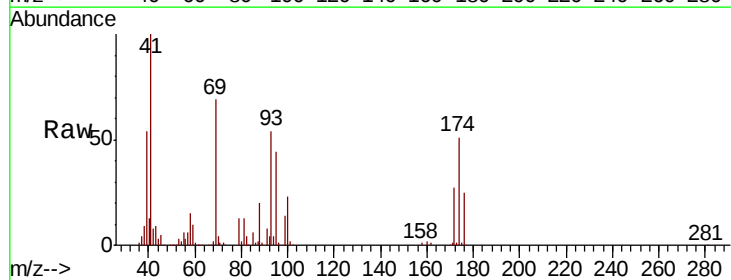
Tgt Ion: 41 Resp: 262921

Ion Ratio Lower Upper

41 100

69 72.6 72.6 108.8

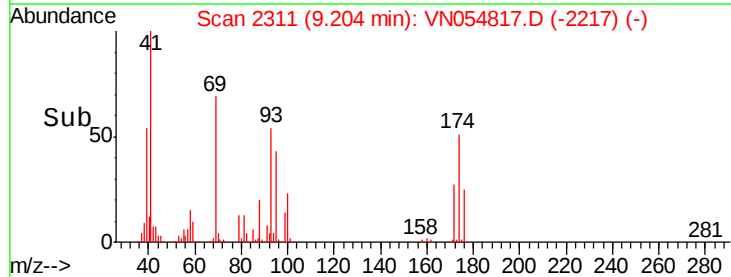
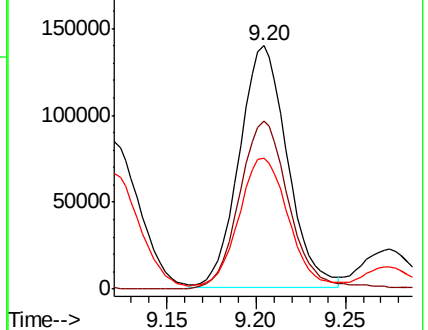
39 56.0 47.5 71.3

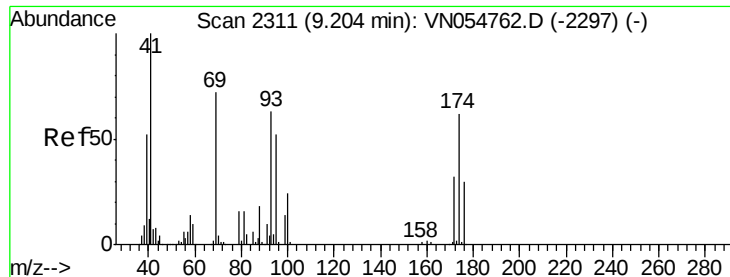


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

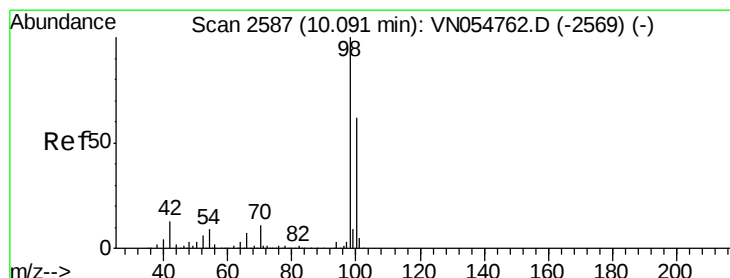
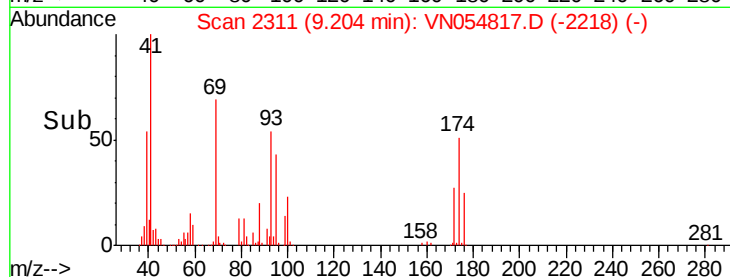
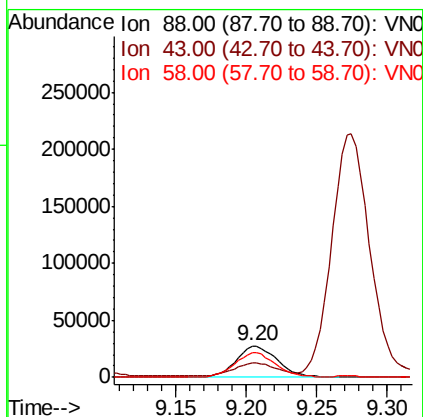
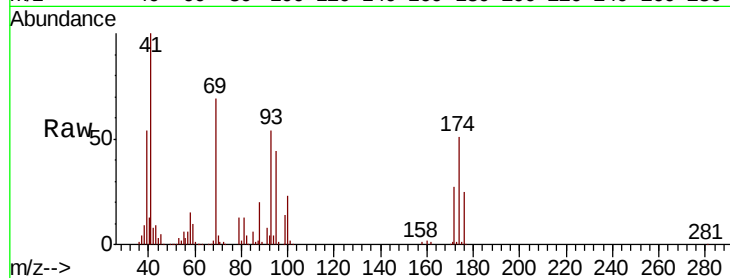




#49
1,4-Dioxane
Concen: 1365.455 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

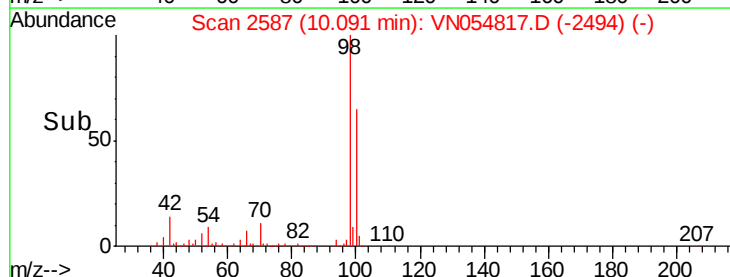
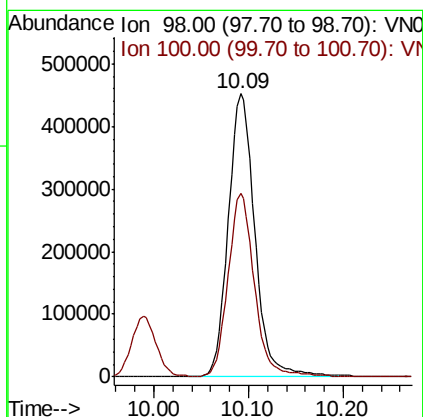
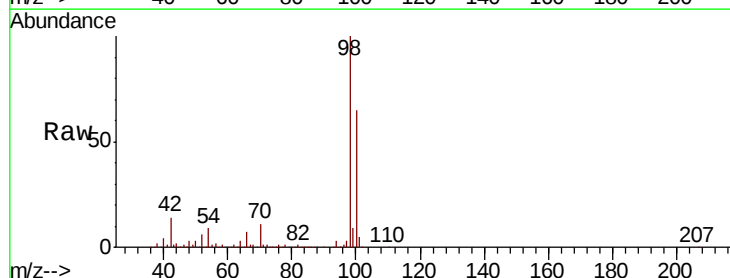
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

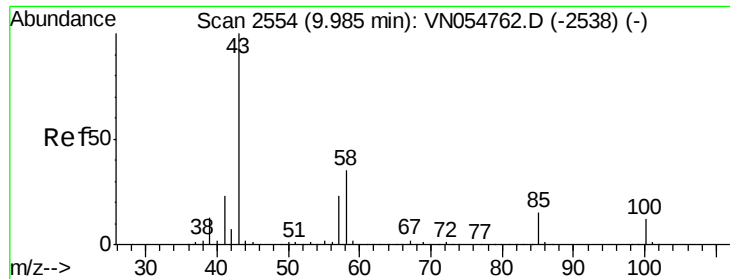
Tot Ion: 88 Resp: 57318
Ion Ratio Lower Upper
88 100
43 41.8 24.1 36.1#
58 77.0 50.8 76.2#



#50
Toluene-d8
Concen: 50.732 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion: 98 Resp: 883895
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 340.878 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

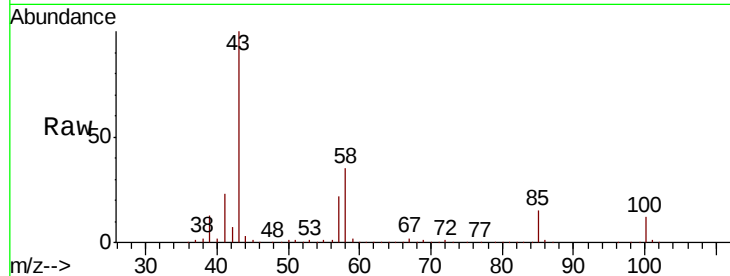
VSTDCCC050EC

Tot Ion: 43 Resp: 1495731

Ion Ratio Lower Upper

43 100

58 35.2 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

400000

200000

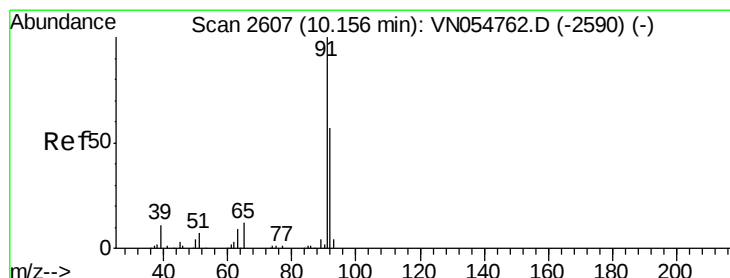
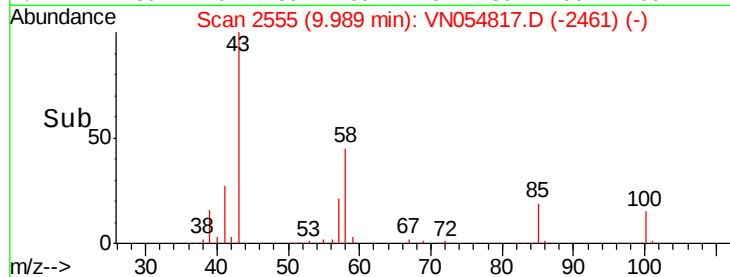
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 53.885 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054817.D

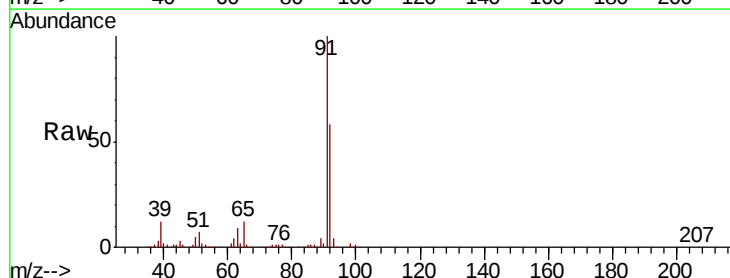
Acq: 30 Mar 2019 21:45

Tgt Ion: 92 Resp: 600930

Ion Ratio Lower Upper

92 100

91 175.6 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

200000

100000

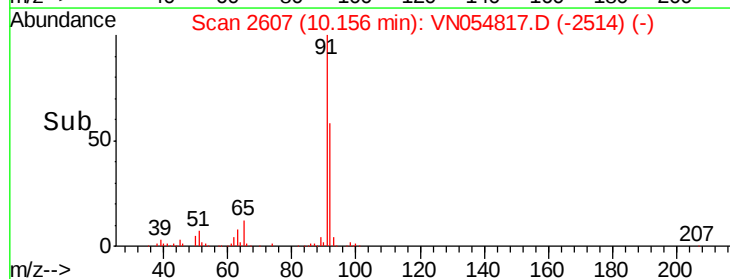
0

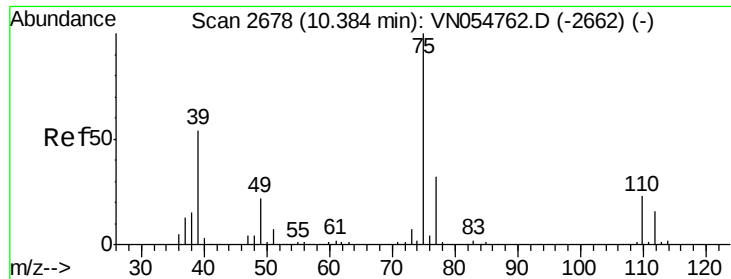
10.10

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 55.878 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

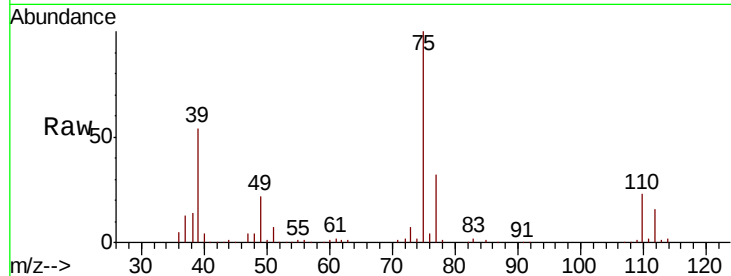
VSTDCCC050EC

Tot Ion: 75 Resp: 328402

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

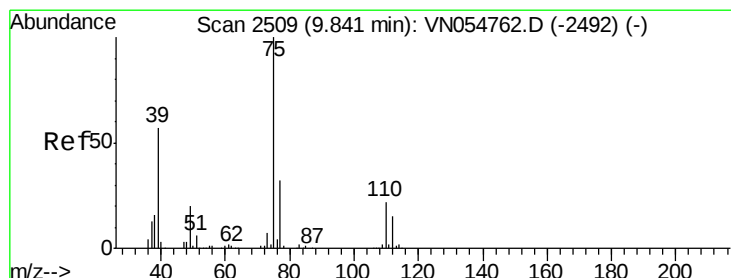
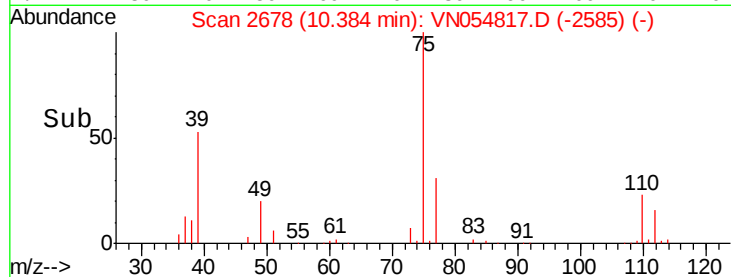
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 55.303 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

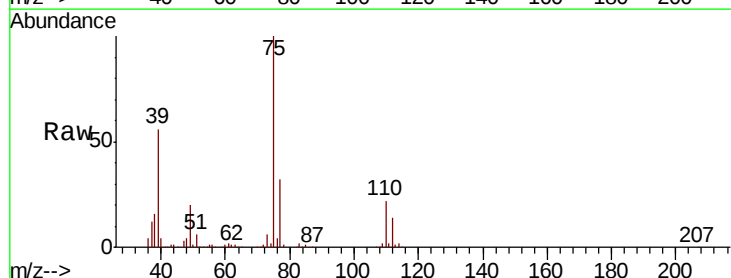
Tgt Ion: 75 Resp: 388253

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 56.1 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

250000

200000

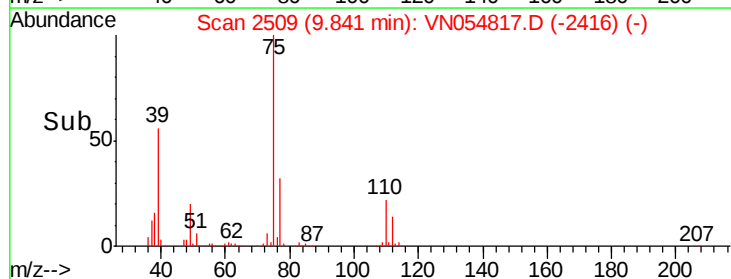
150000

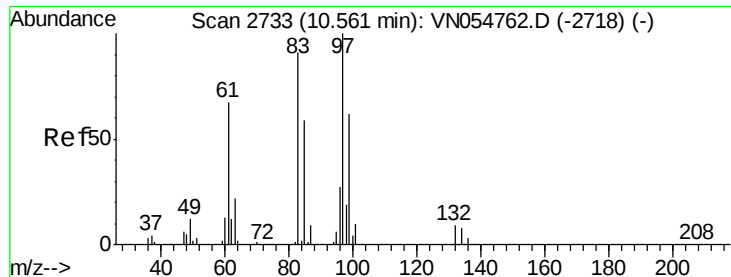
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 56.099 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 232630

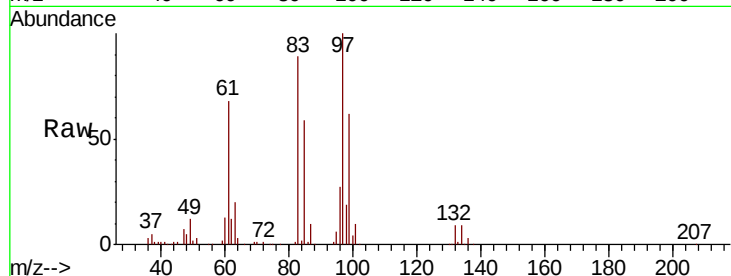
Ion Ratio Lower Upper

97 100

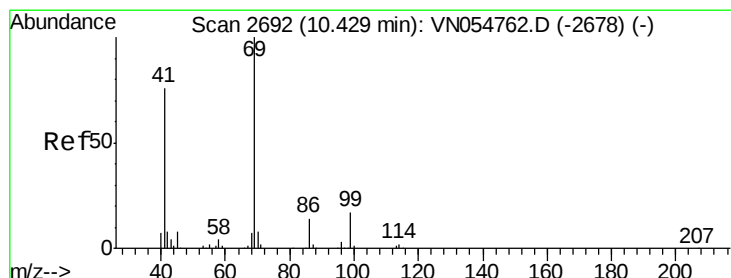
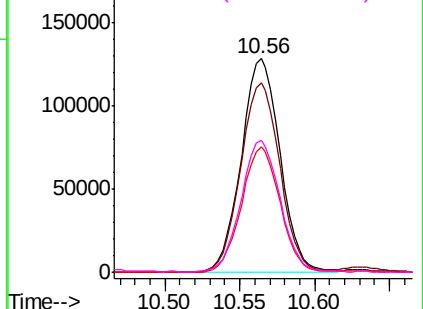
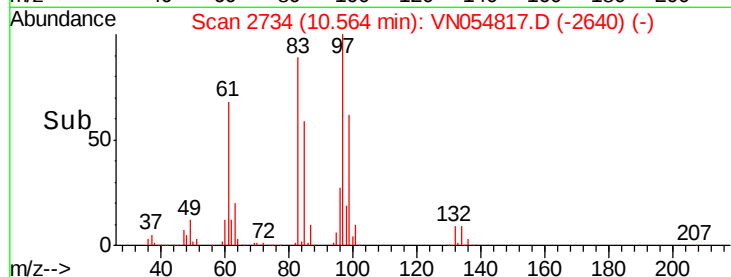
83 88.9 66.6 100.0

85 58.6 44.4 66.6

99 61.7 50.8 76.2



Abundance Ion 96.90 (96.60 to 97.60): VNO
 200000 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: 61.476 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

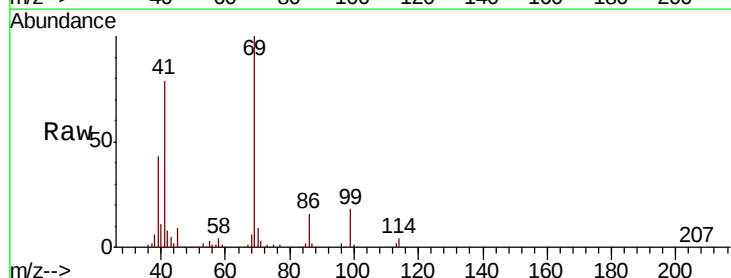
Tgt Ion: 69 Resp: 334406

Ion Ratio Lower Upper

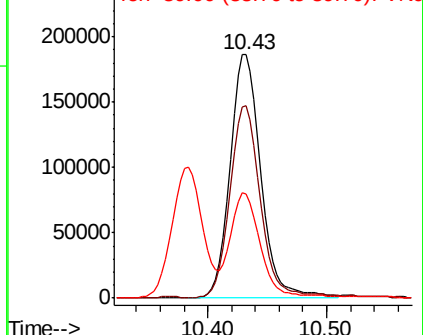
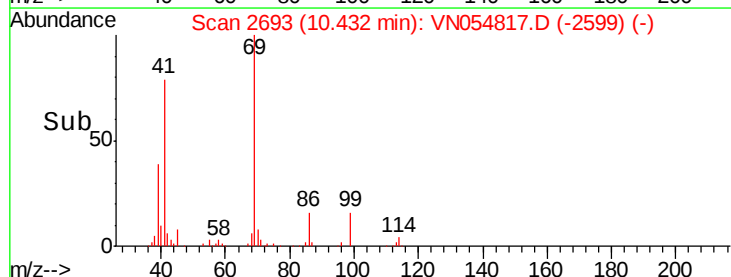
69 100

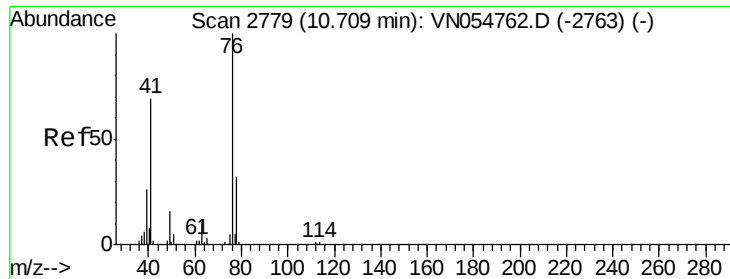
41 77.8 49.4 74.2#

39 40.9 28.3 42.5



Abundance Ion 69.00 (68.70 to 69.70): VNO
 250000 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 57.124 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

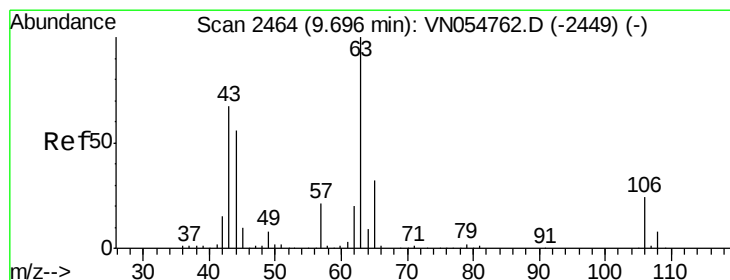
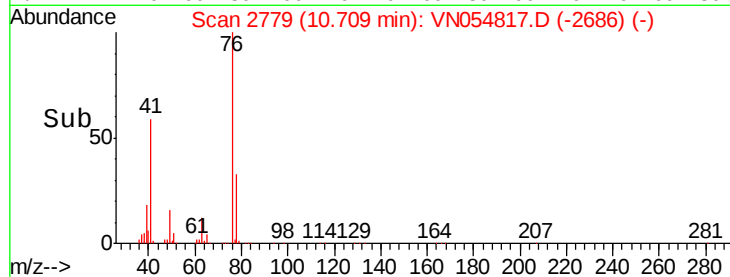
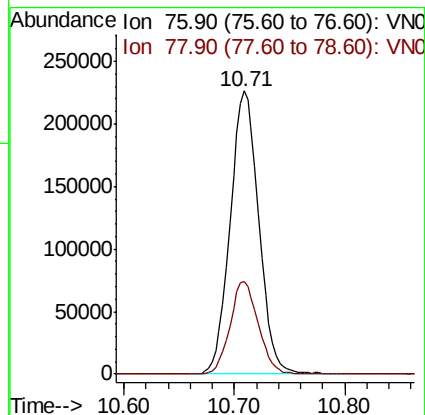
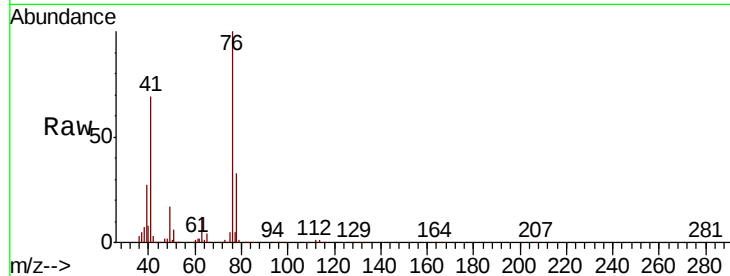
VSTDCCC050EC

Tot Ion: 76 Resp: 407242

Ion Ratio Lower Upper

76 100

78 32.5 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 281.855 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054817.D

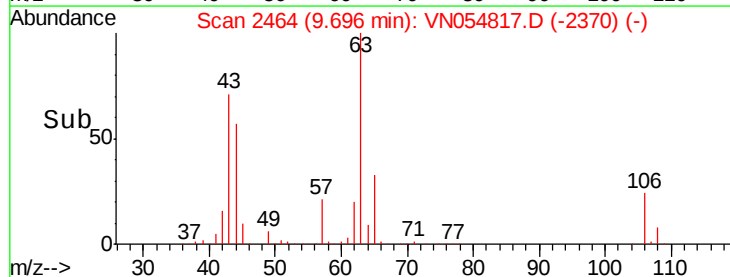
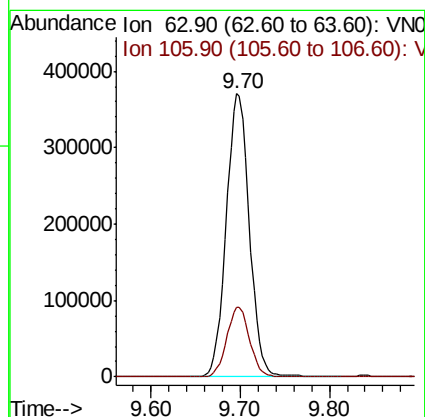
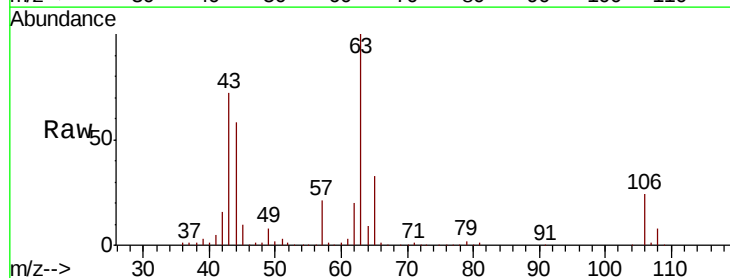
Acq: 30 Mar 2019 21:45

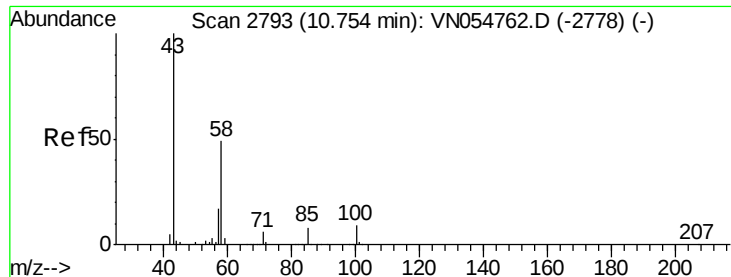
Tgt Ion: 63 Resp: 663664

Ion Ratio Lower Upper

63 100

106 24.2 24.4 36.6#

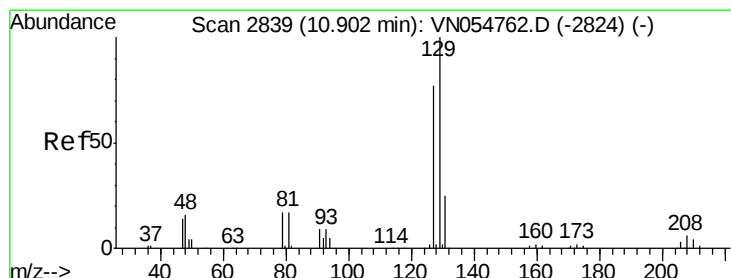
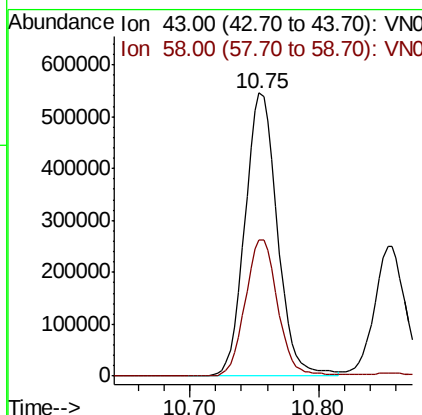
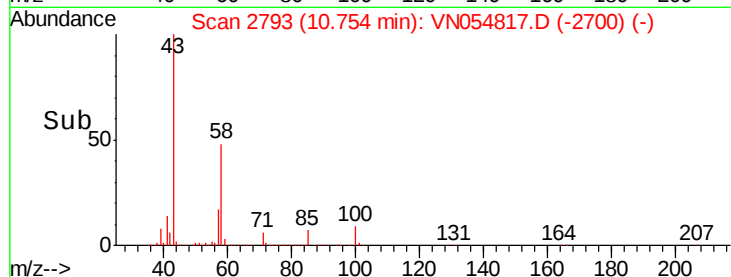
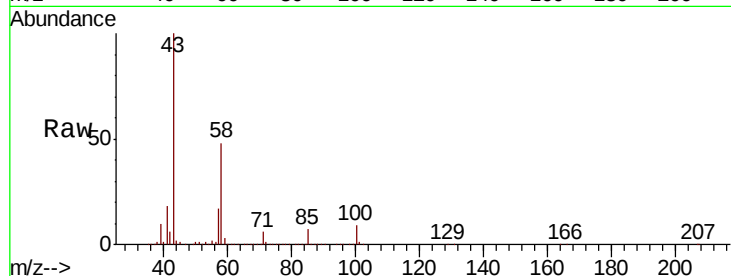




#59
2-Hexanone
Concen: 338.763 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

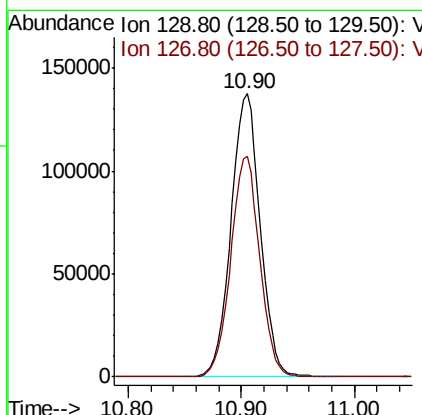
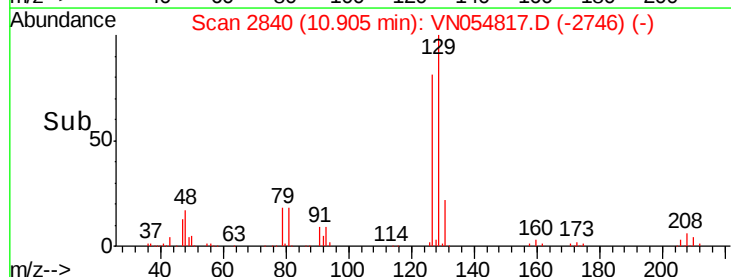
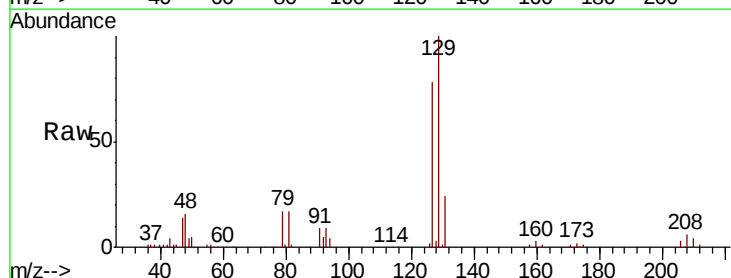
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

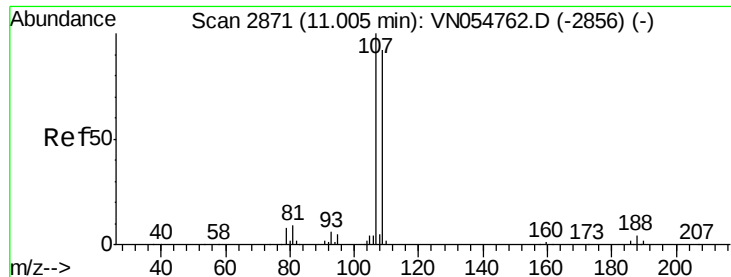
Tot Ion: 43 Resp: 951568
Ion Ratio Lower Upper
43 100
58 48.8 28.0 83.9



#60
Dibromochloromethane
Concen: 58.698 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion: 129 Resp: 246565
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 57.527 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

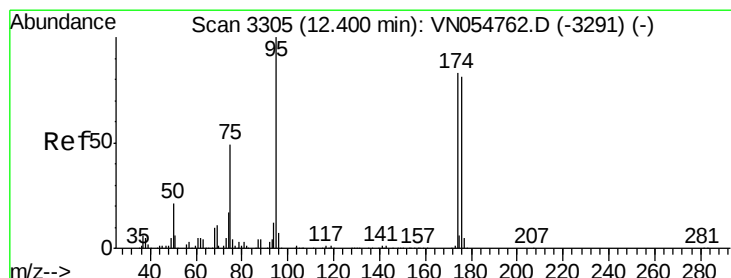
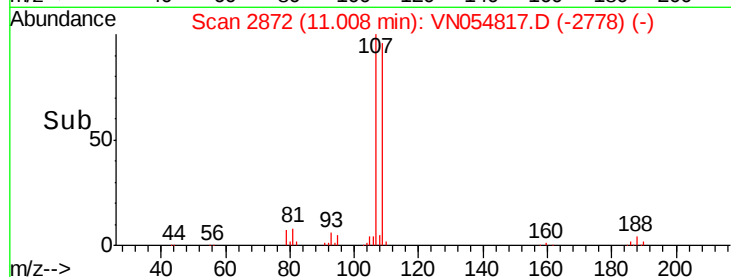
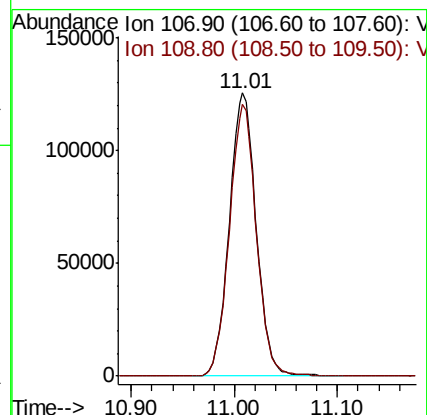
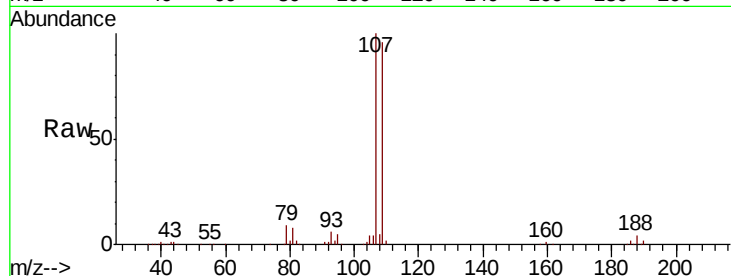
VSTDCCC050EC

Tot Ion:107 Resp: 227971

Ion Ratio Lower Upper

107 100

109 96.2 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 51.486 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

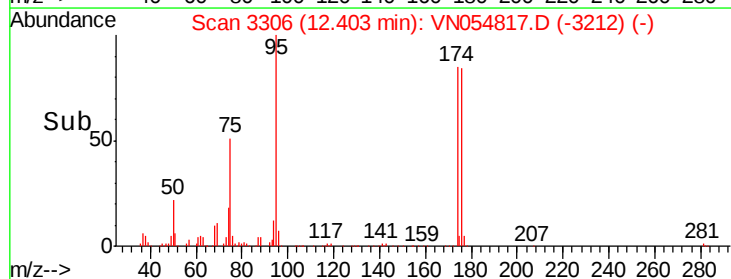
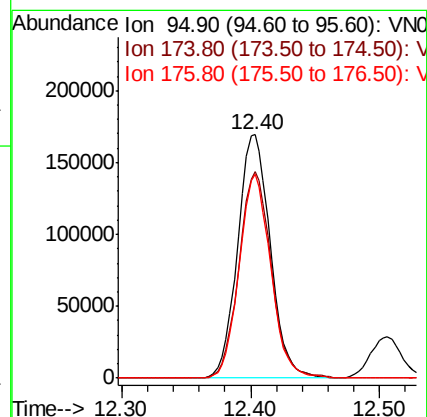
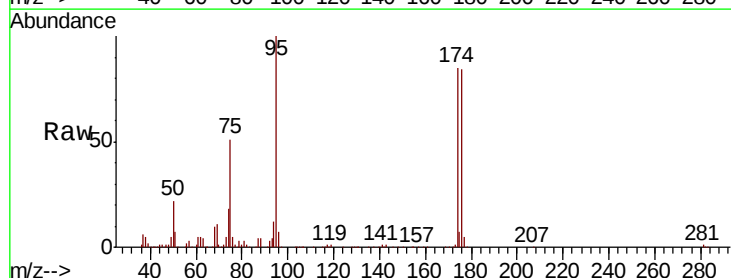
Tgt Ion: 95 Resp: 298330

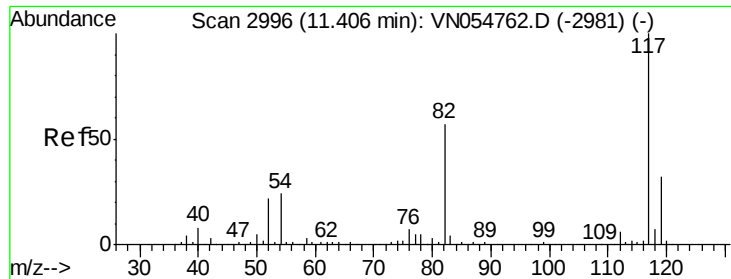
Ion Ratio Lower Upper

95 100

174 84.1 0.0 191.0

176 80.9 0.0 187.4

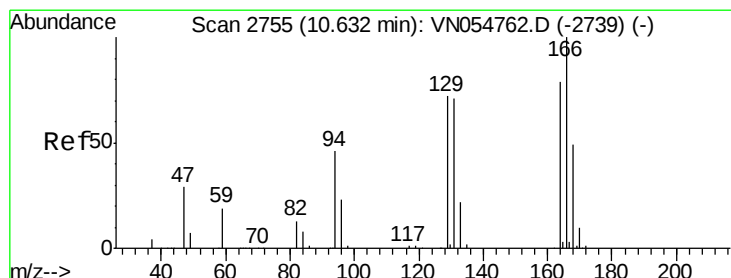
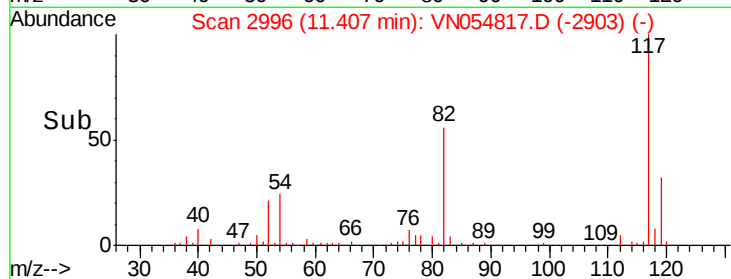
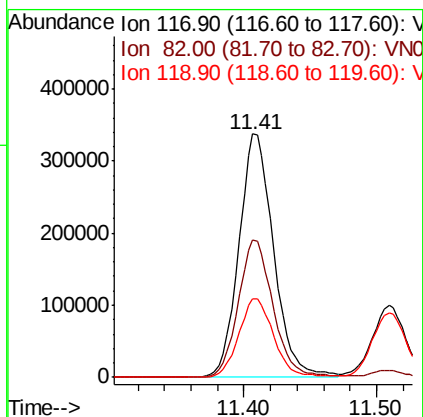
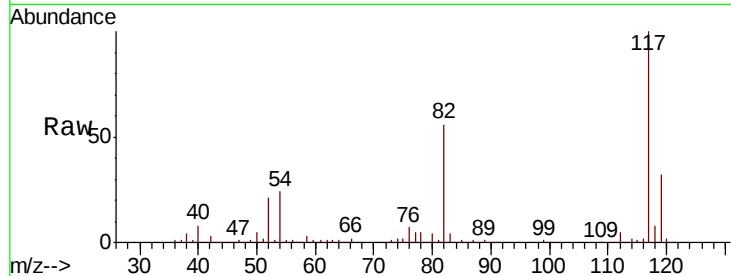




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

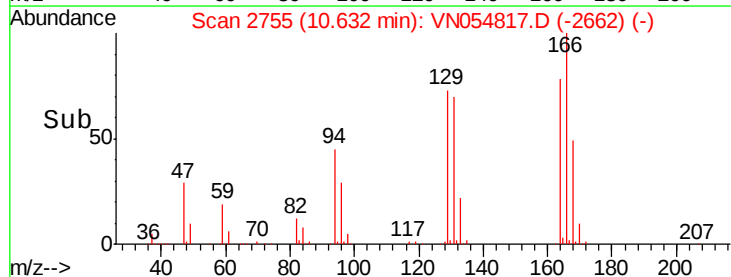
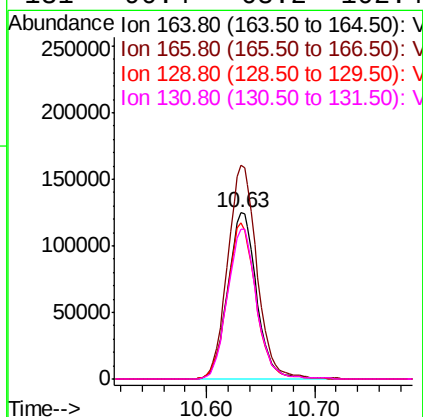
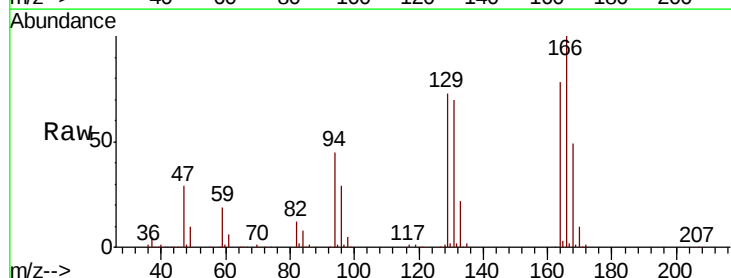
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

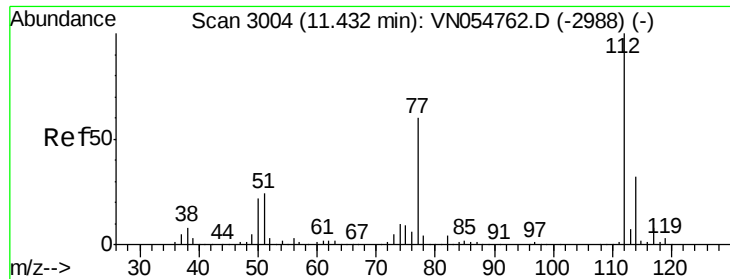
Tot Ion:117 Resp: 614682
Ion Ratio Lower Upper
117 100
82 56.5 40.0 60.0
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 49.332 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion:164 Resp: 232692
Ion Ratio Lower Upper
164 100
166 128.8 103.9 155.9
129 94.4 71.1 106.7
131 90.4 68.2 102.4

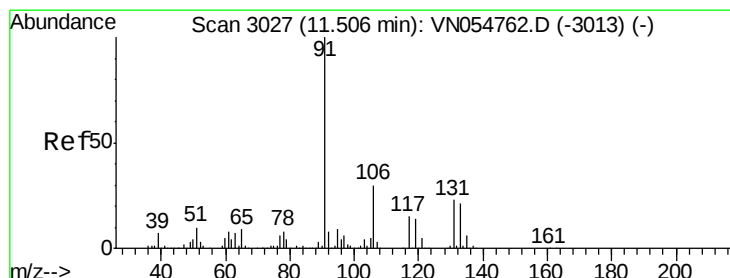
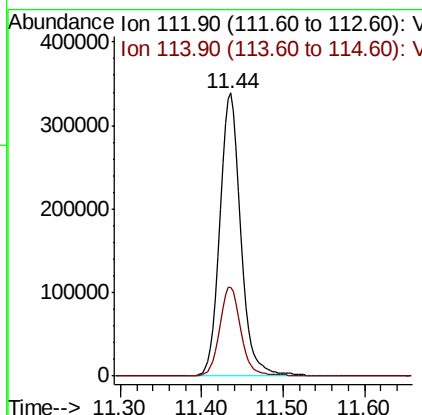
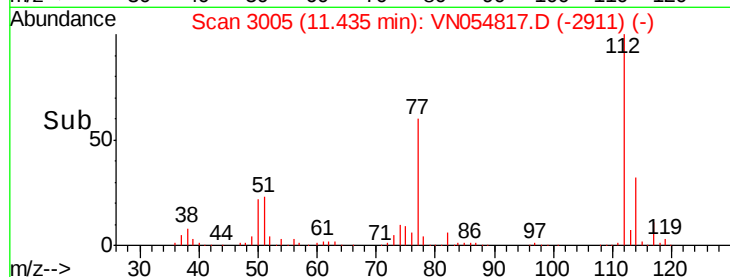
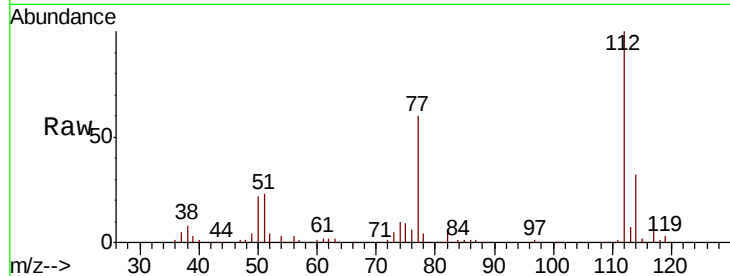




#65
Chlorobenzene
Concen: 51.558 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

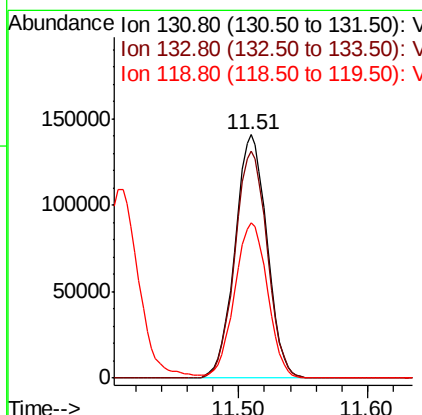
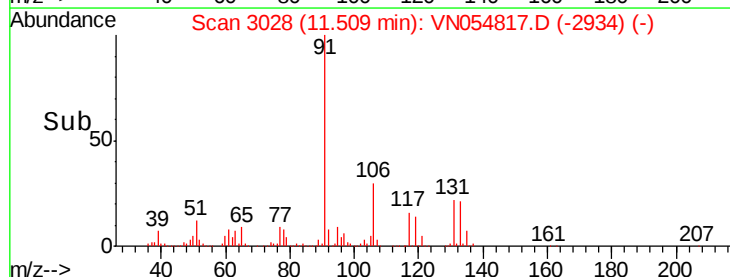
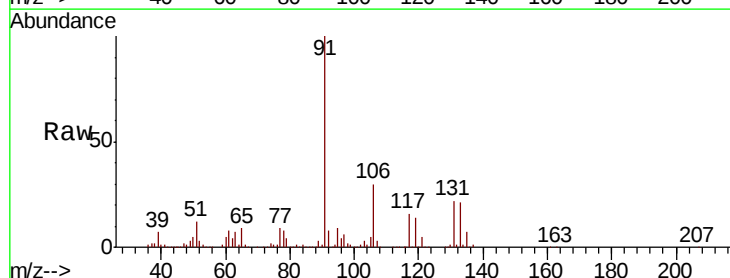
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

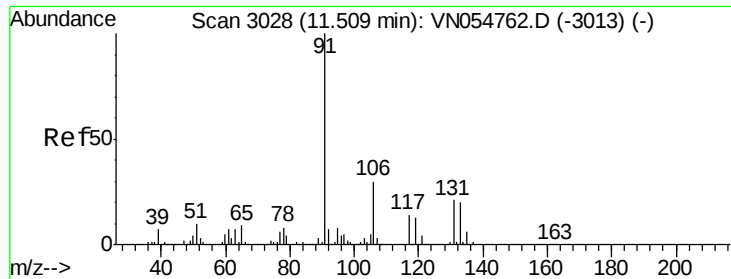
Tot Ion:112 Resp: 620496
Ion Ratio Lower Upper
112 100
114 31.5 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.979 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion:131 Resp: 243156
Ion Ratio Lower Upper
131 100
133 94.4 47.6 142.9
119 65.6 32.4 97.0

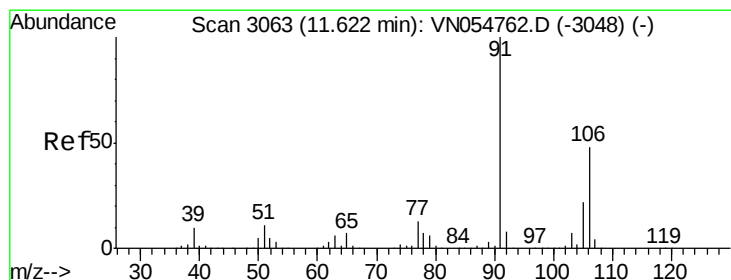
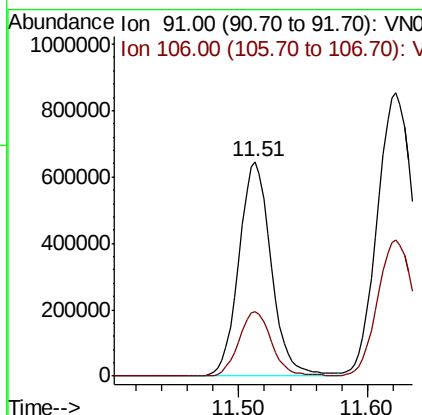
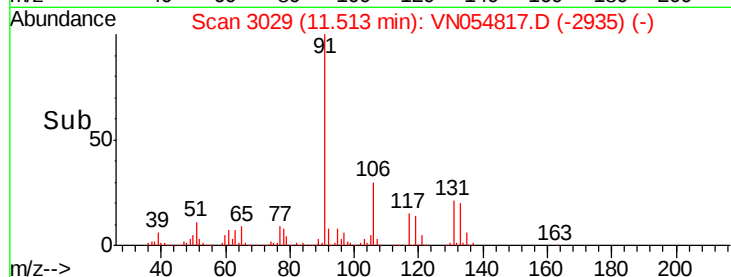
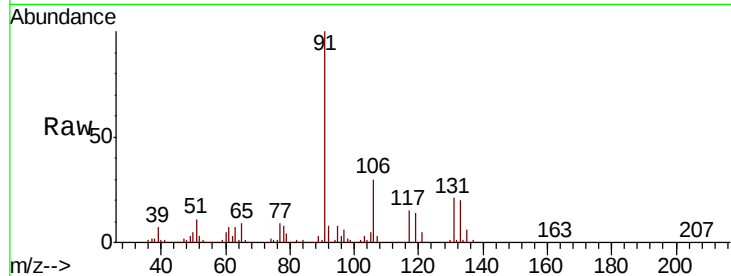




#67
Ethyl Benzene
Concen: 51.952 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

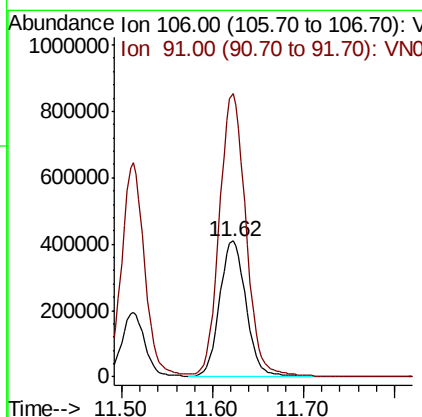
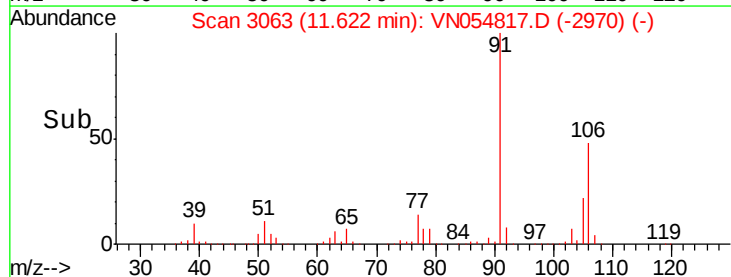
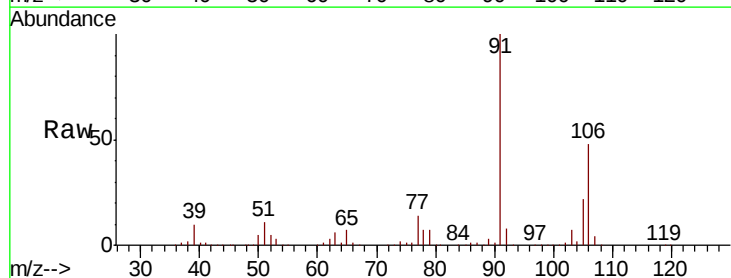
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

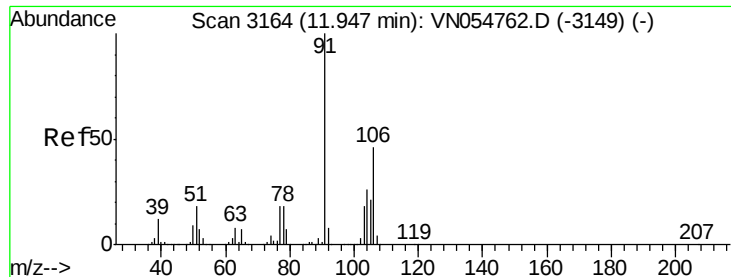
Tot Ion: 91 Resp: 1128269
Ion Ratio Lower Upper
91 100
106 30.0 25.5 38.3



#68
m/p-Xylenes
Concen: 103.311 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion: 106 Resp: 830289
Ion Ratio Lower Upper
106 100
91 208.8 159.4 239.2

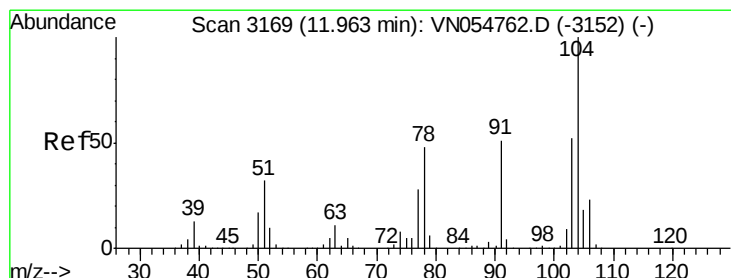
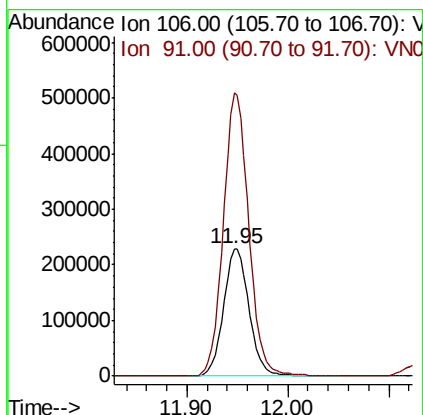
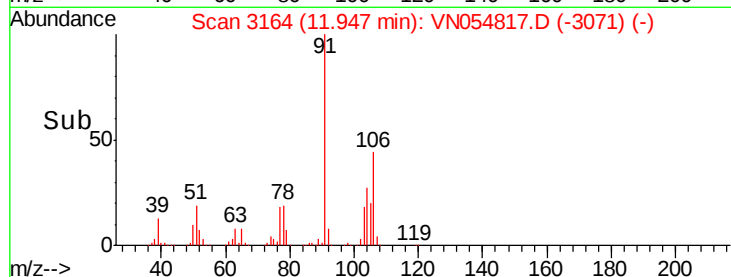
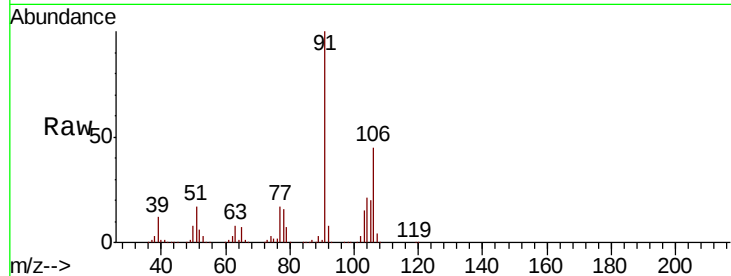




#69
o-Xylene
Concen: 51.229 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

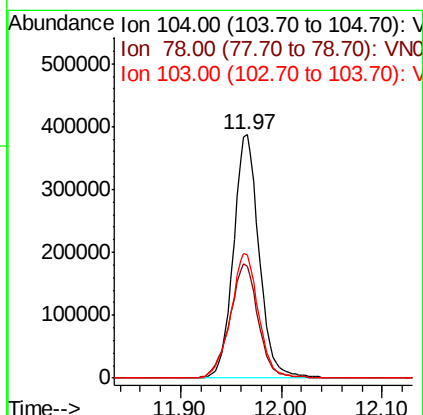
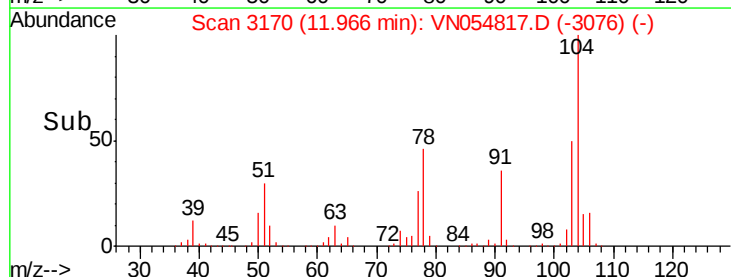
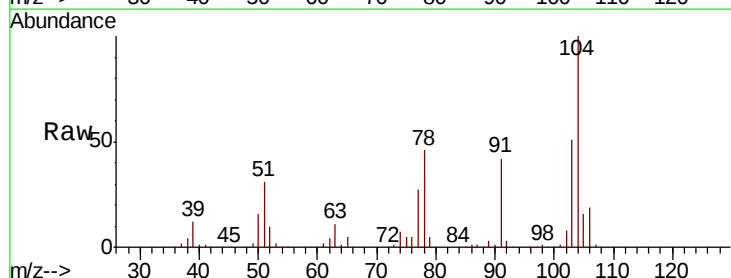
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

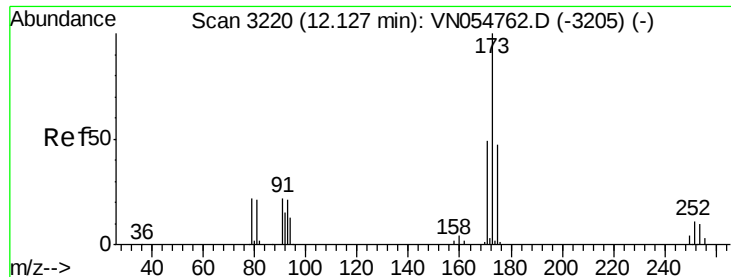
Tot Ion:106 Resp: 403729
Ion Ratio Lower Upper
106 100
91 221.9 105.7 317.1



#70
Styrene
Concen: 54.365 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion:104 Resp: 685045
Ion Ratio Lower Upper
104 100
78 51.9 38.2 57.2
103 55.6 44.4 66.6





#71

Bromoform

Concen: 60.260 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

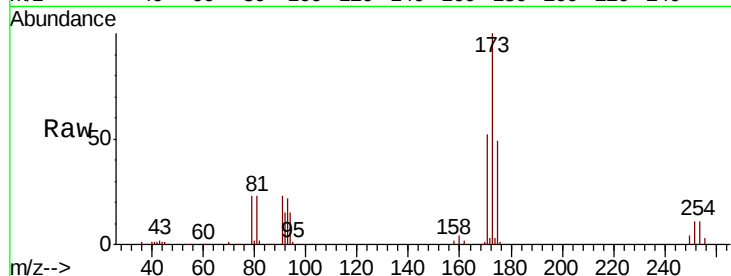
Tot Ion:173 Resp: 159024

Ion Ratio Lower Upper

173 100

175 48.5 24.4 73.2

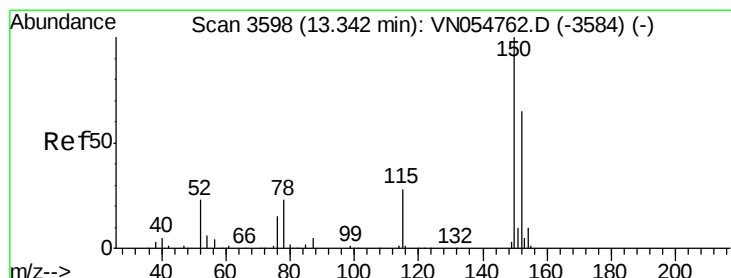
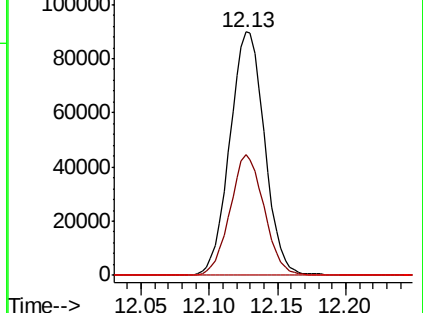
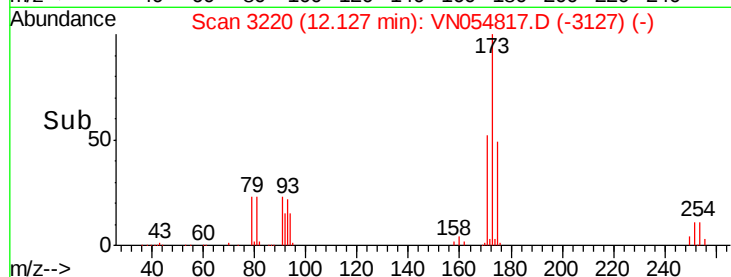
254 0.0 0.1 0.1#



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: VN054817.D

Acq: 30 Mar 2019 21:45

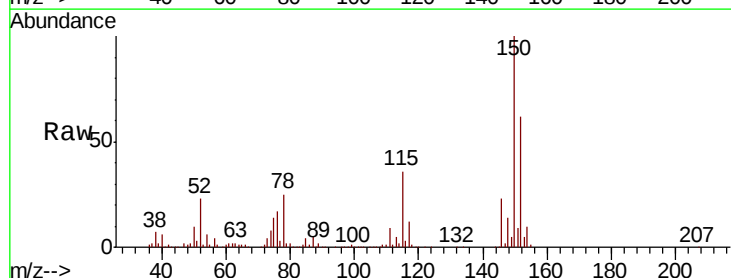
Tgt Ion:152 Resp: 266809

Ion Ratio Lower Upper

152 100

115 59.3 27.2 81.6

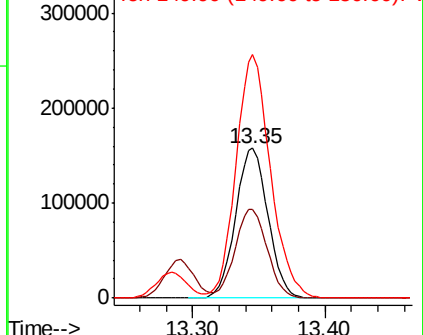
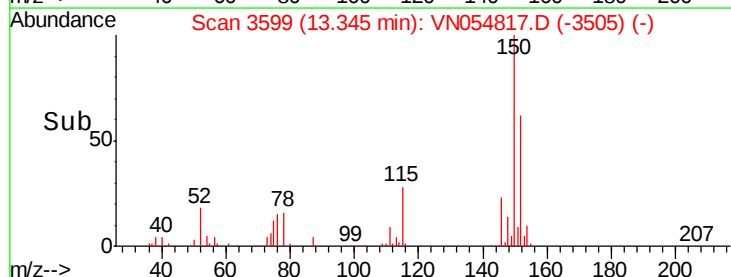
150 173.0 0.0 349.2

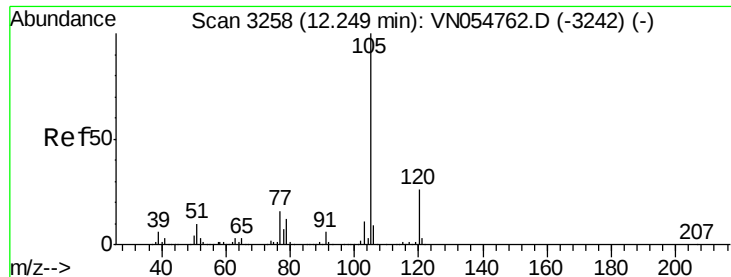


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.310 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

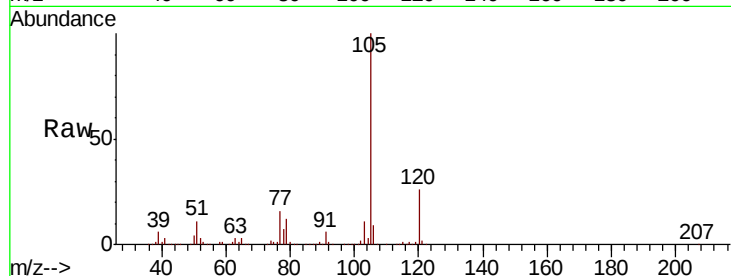
VSTDCCC050EC

Tot Ion:105 Resp: 1075346

Ion Ratio Lower Upper

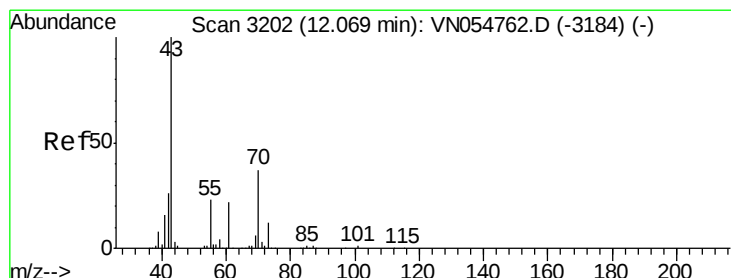
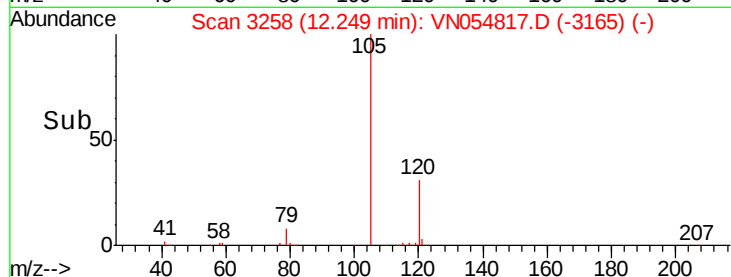
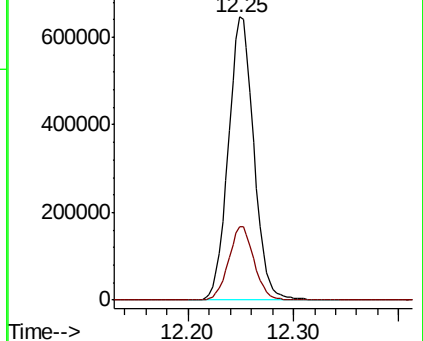
105 100

120 26.0 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 60.327 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Tgt Ion: 43 Resp: 409866

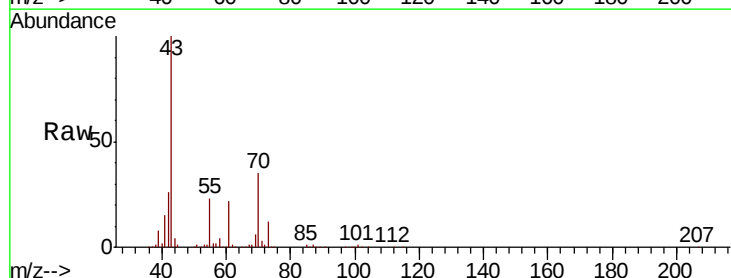
Ion Ratio Lower Upper

43 100

70 36.1 35.4 53.0

55 23.4 19.8 29.6

61 22.0 19.8 29.6

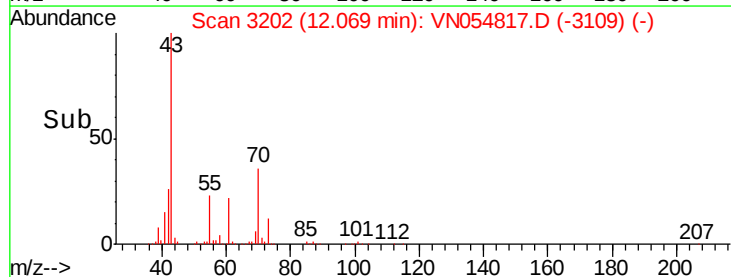
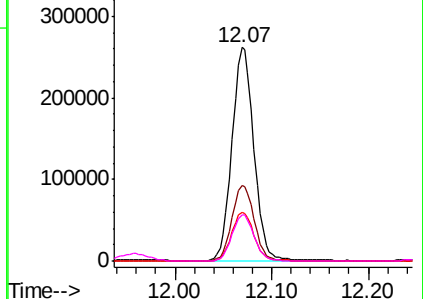


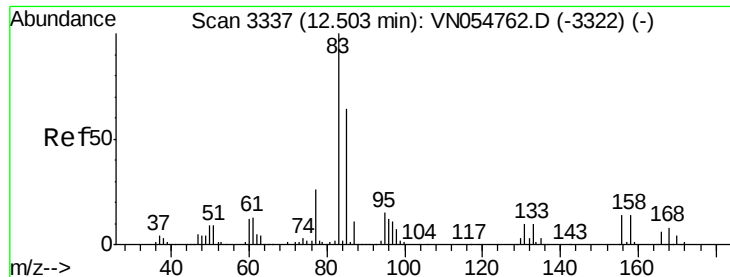
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 64.735 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

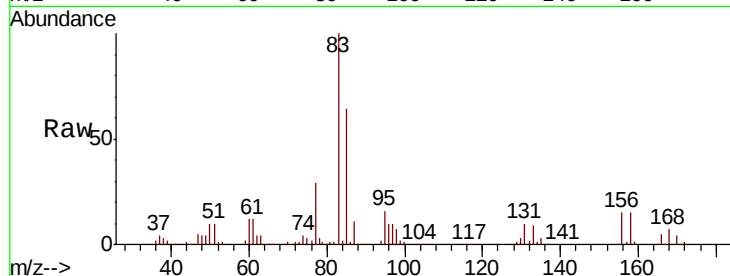
Tot Ion: 83 Resp: 308784

Ion Ratio Lower Upper

83 100

131 9.9 5.8 17.4

85 63.9 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054817.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN054817.D (-3338) (-)

Ion 84.90 (84.60 to 85.60): VN054817.D (-3339) (-)

12.51

250000

200000

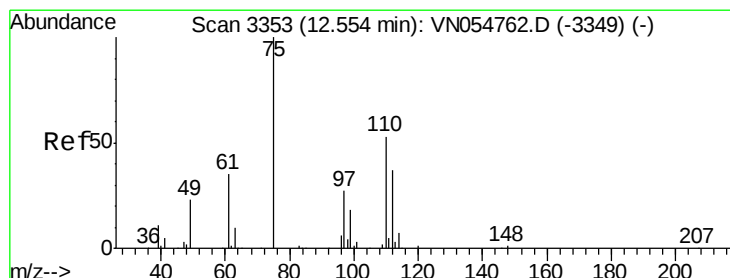
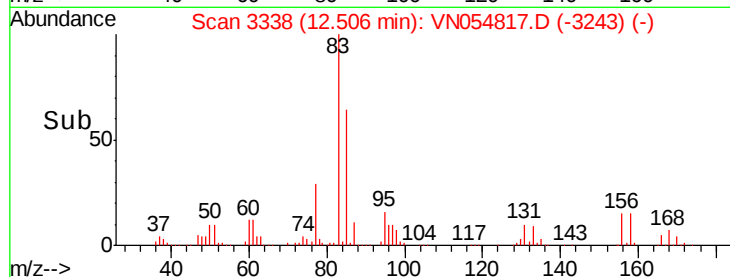
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 76.791 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054817.D

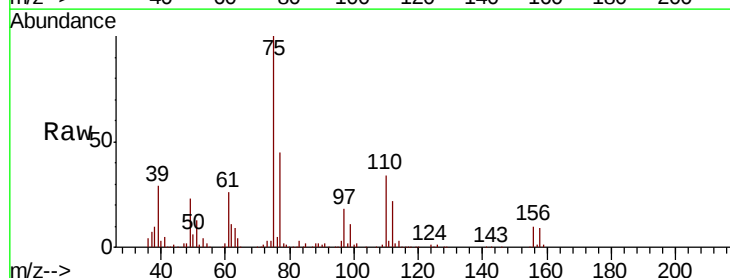
Acq: 30 Mar 2019 21:45

Tgt Ion: 75 Resp: 355931

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054817.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN054817.D (-3354) (-)

300000

250000

200000

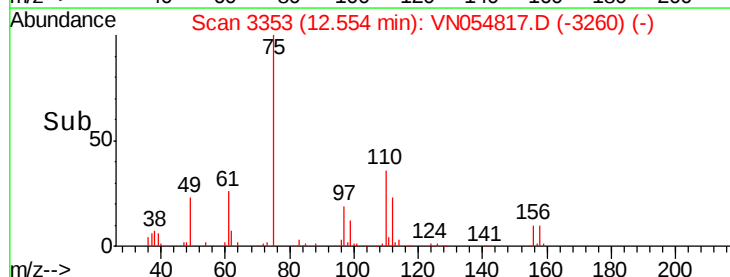
150000

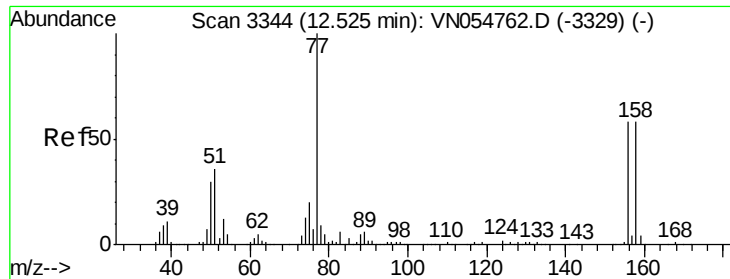
100000

50000

0

Time-->

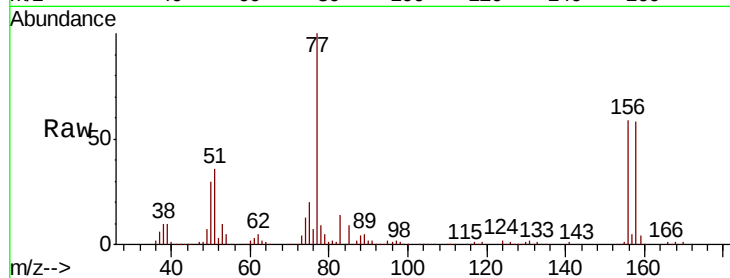




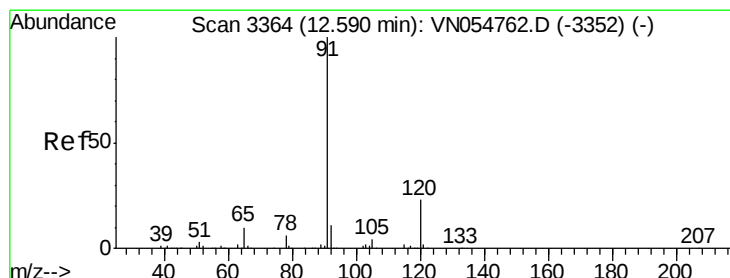
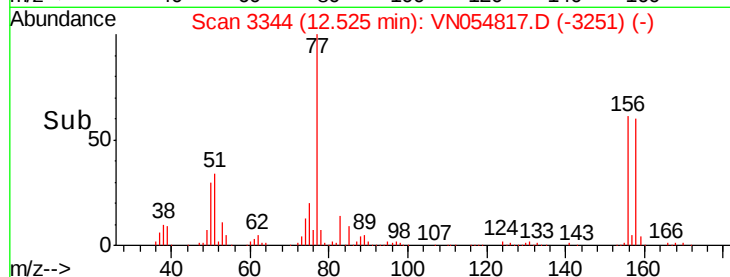
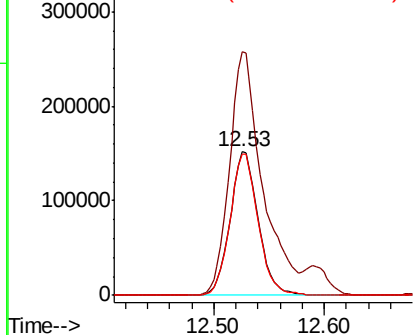
#77
Bromobenzene
Concen: 50.864 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:156 Resp: 267711
Ion Ratio Lower Upper
156 100
77 199.2 81.5 244.4
158 98.6 49.0 147.2

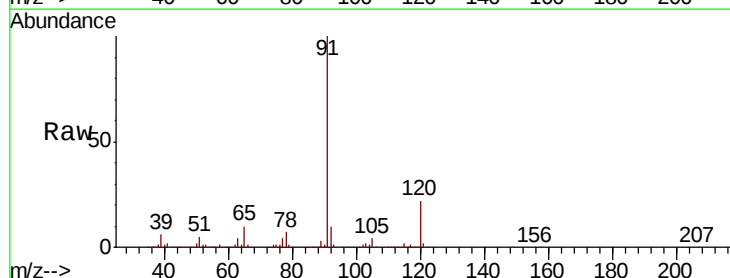


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

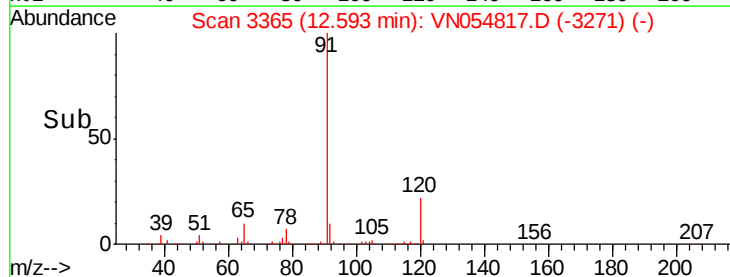
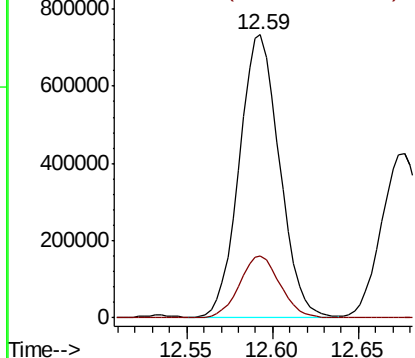


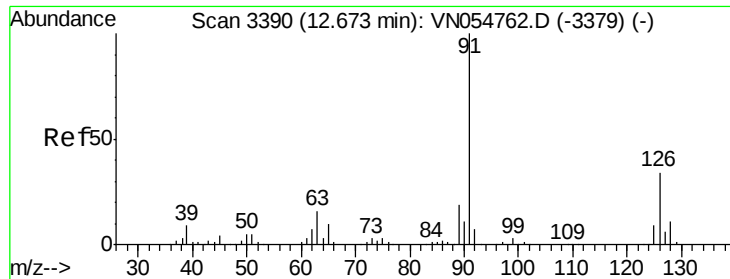
#78
n-propylbenzene
Concen: 49.610 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion: 91 Resp: 1189114
Ion Ratio Lower Upper
91 100
120 22.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V

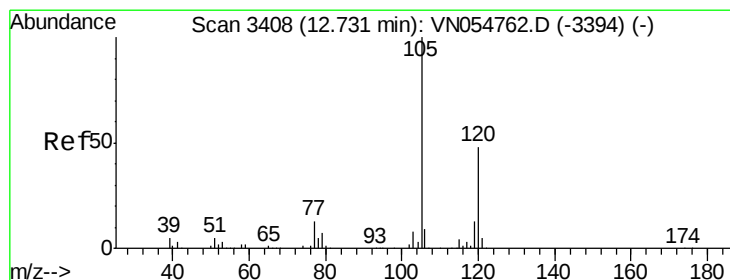
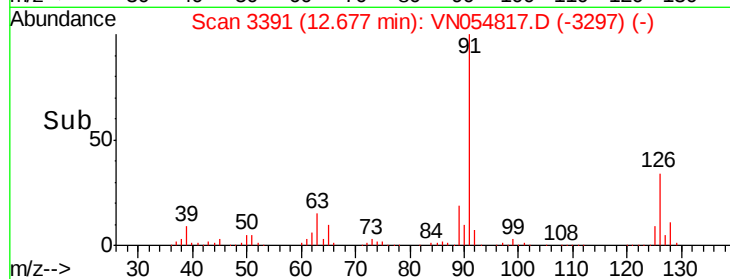
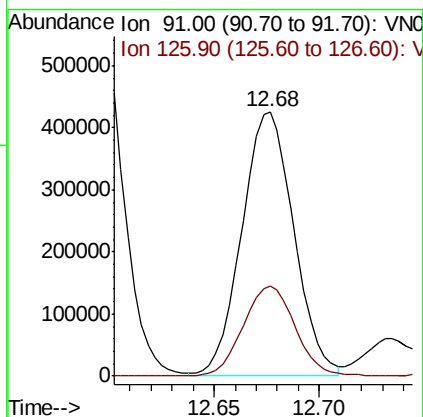
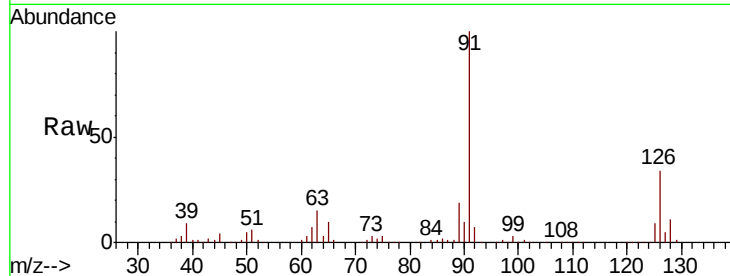




#79
 2-Chlorotoluene
 Concen: 48.956 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

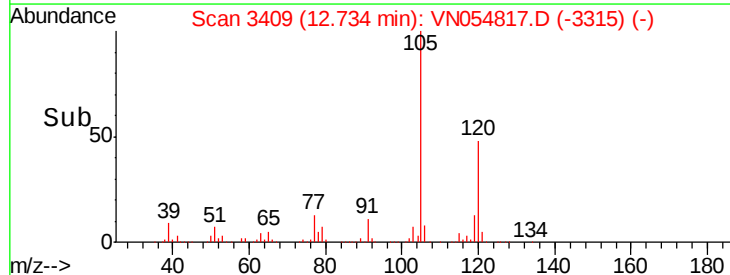
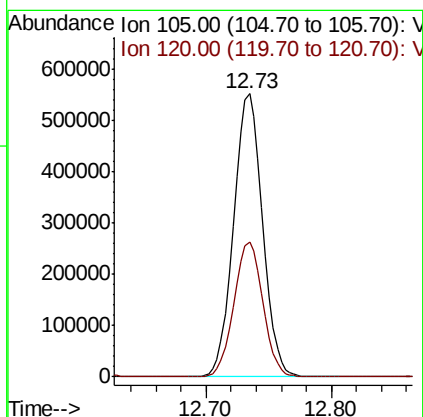
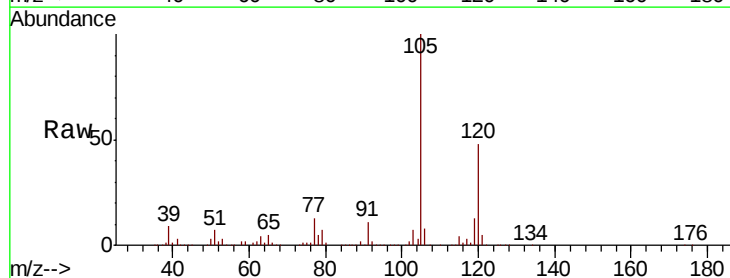
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

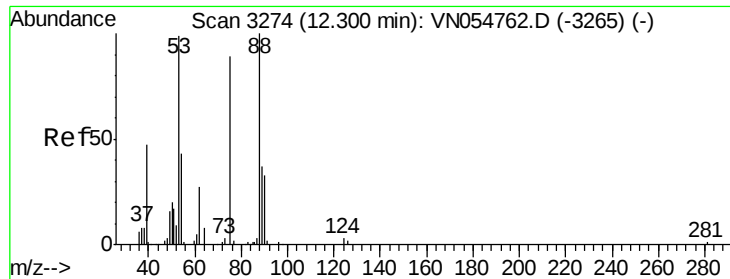
Tot Ion: 91 Resp: 725967
 Ion Ratio Lower Upper
 91 100
 126 34.4 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 49.298 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Tgt Ion: 105 Resp: 882144
 Ion Ratio Lower Upper
 105 100
 120 47.8 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.273 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

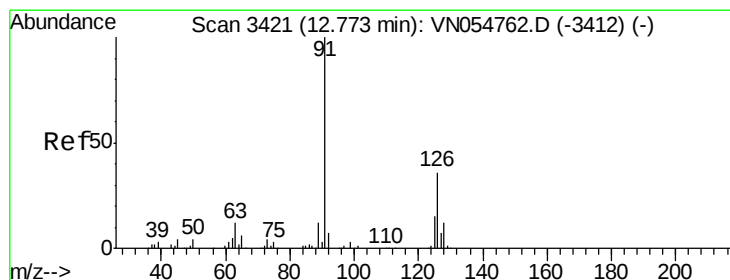
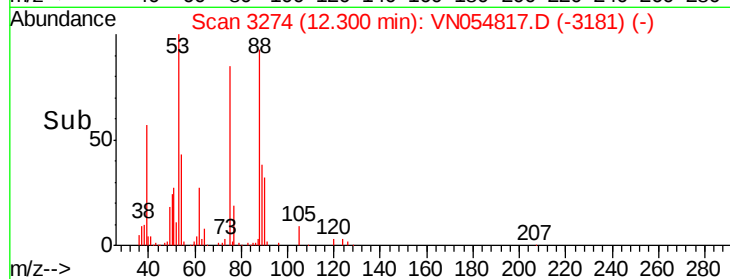
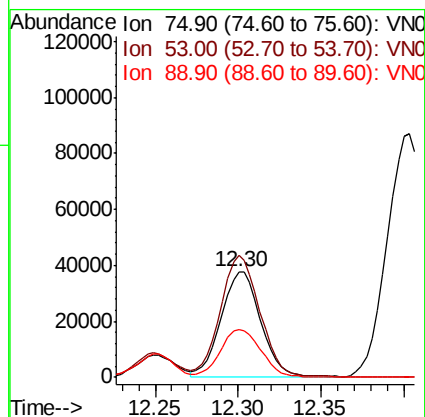
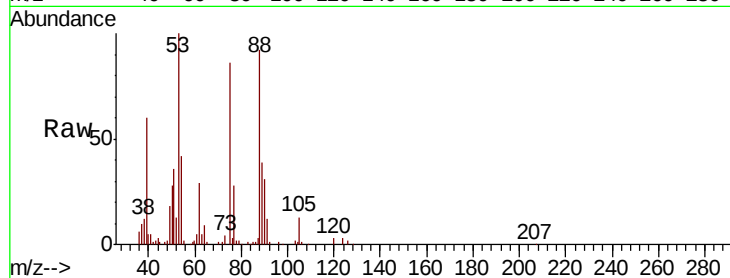
Tot Ion: 75 Resp: 62289

Ion Ratio Lower Upper

75 100

53 117.0 76.2 114.2#

89 46.7 39.2 58.8



#82

4-Chlorotoluene

Concen: 49.594 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054817.D

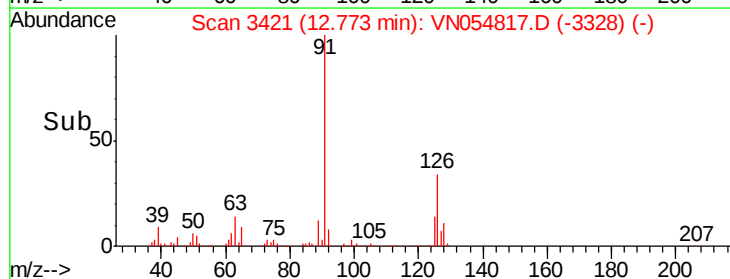
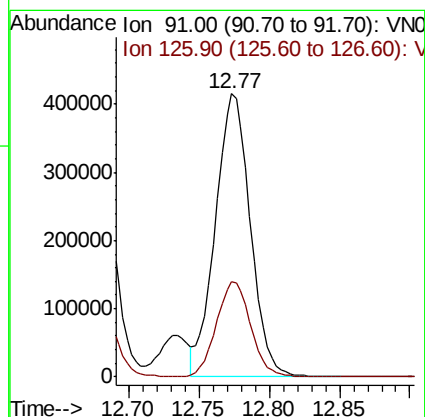
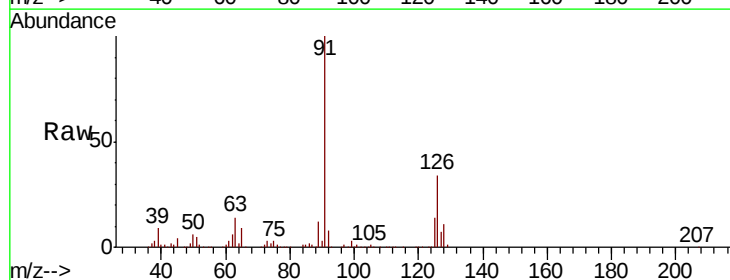
Acq: 30 Mar 2019 21:45

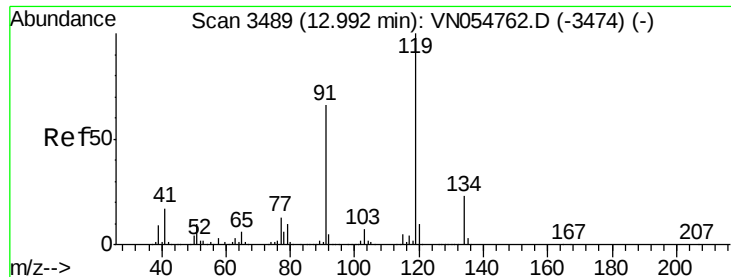
Tgt Ion: 91 Resp: 714319

Ion Ratio Lower Upper

91 100

126 33.1 18.1 54.1

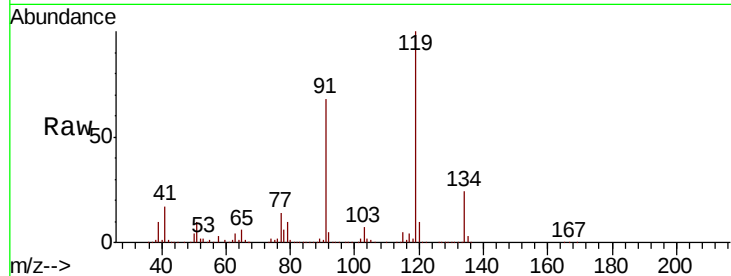




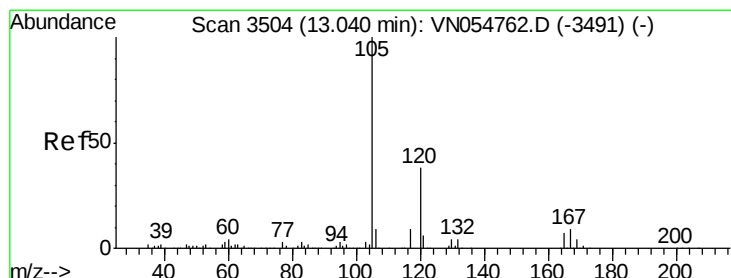
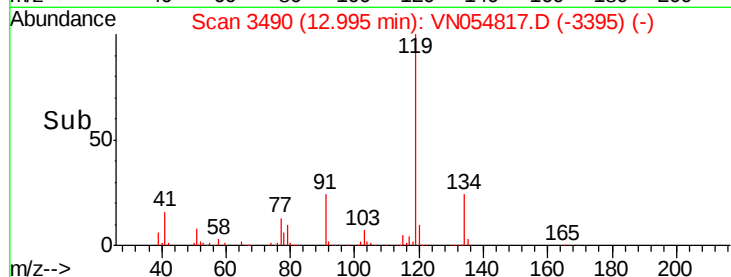
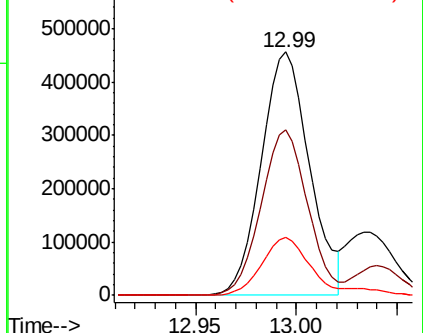
#83
 tert-Butylbenzene
 Concen: 55.080 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 760727
 Ion Ratio Lower Upper
 119 100
 91 65.2 30.9 92.8
 134 23.4 13.2 39.6

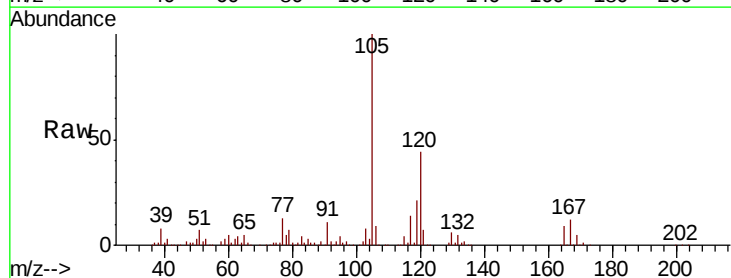


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

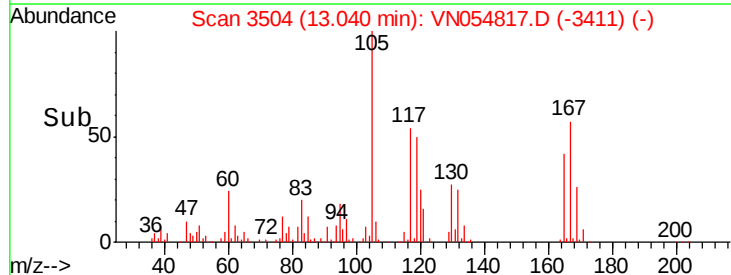
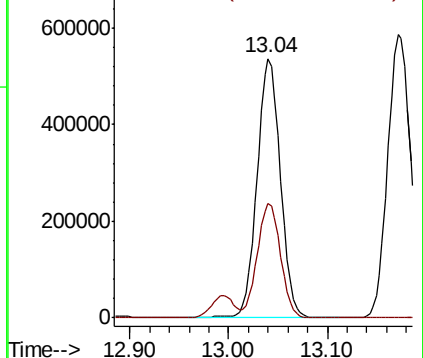


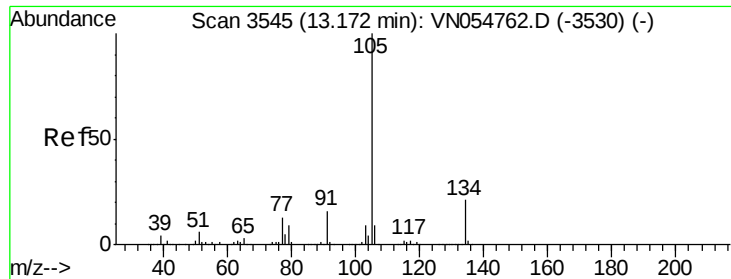
#84
 1,2,4-Trimethylbenzene
 Concen: 51.201 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Tgt Ion:105 Resp: 872852
 Ion Ratio Lower Upper
 105 100
 120 44.3 23.4 70.3



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





#85

sec-Butylbenzene

Concen: 48.920 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

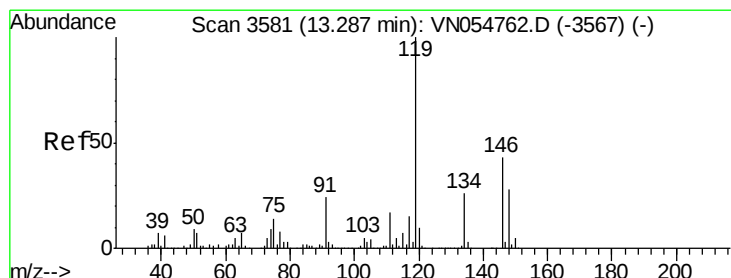
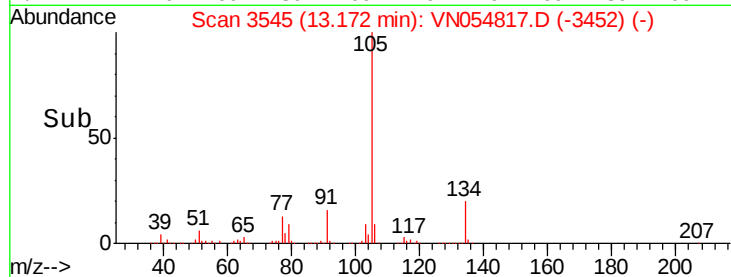
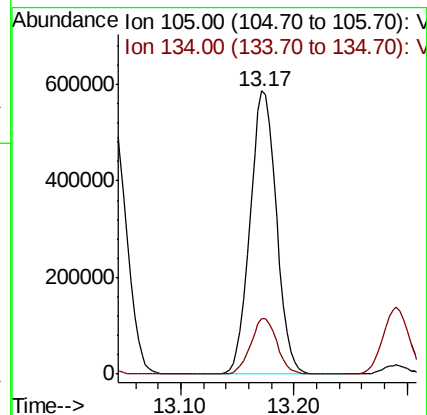
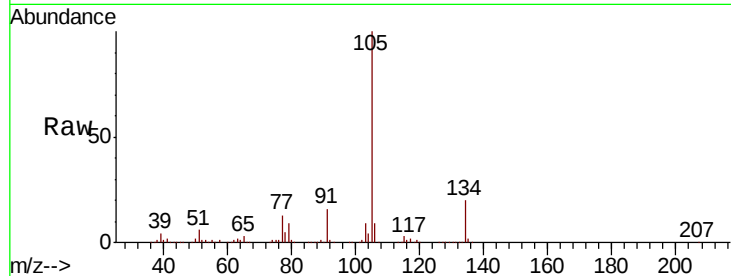
VSTDCCC050EC

Tot Ion:105 Resp: 950937

Ion Ratio Lower Upper

105 100

134 19.7 10.7 32.1



#86

p-Isopropyltoluene

Concen: 47.895 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

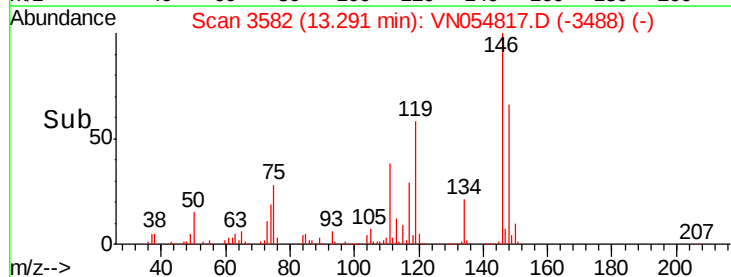
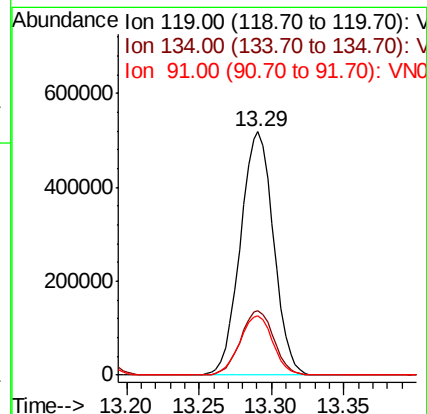
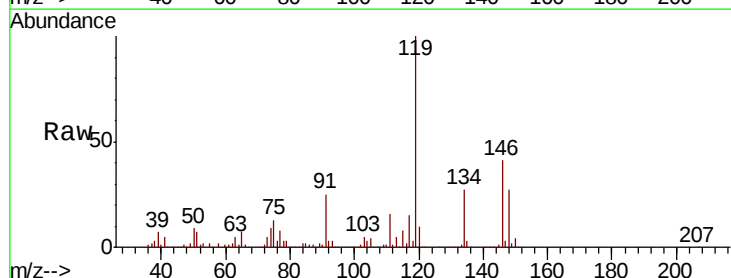
Tgt Ion:119 Resp: 821134

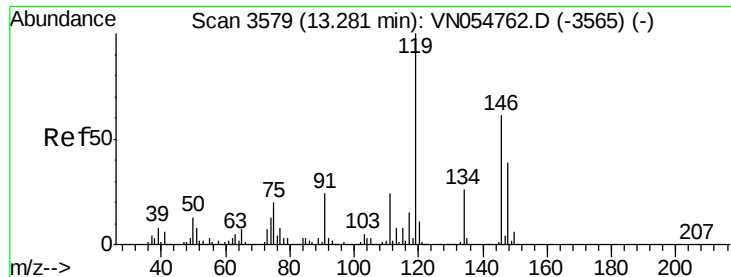
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

91 24.4 11.1 33.3

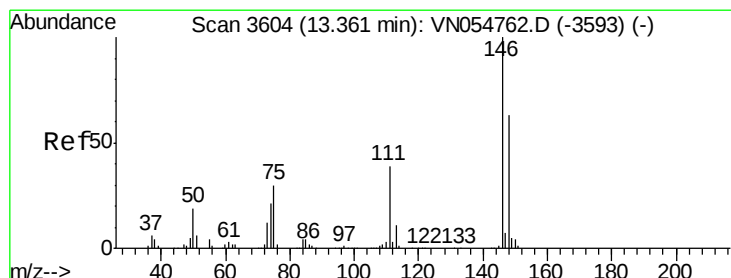
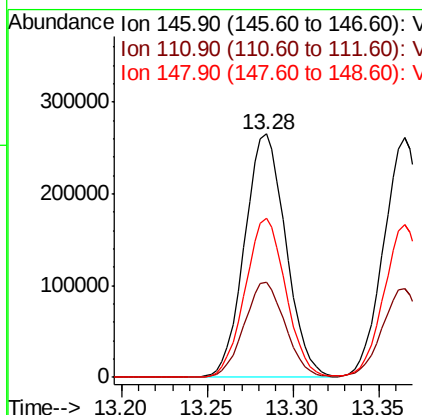
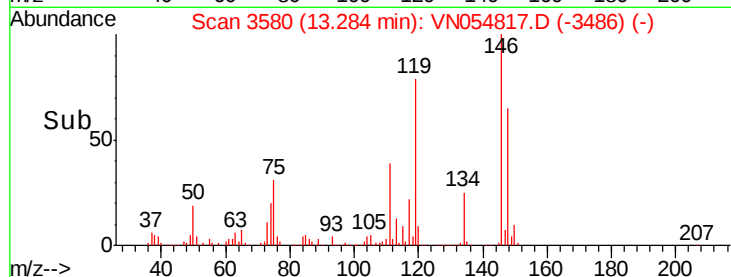
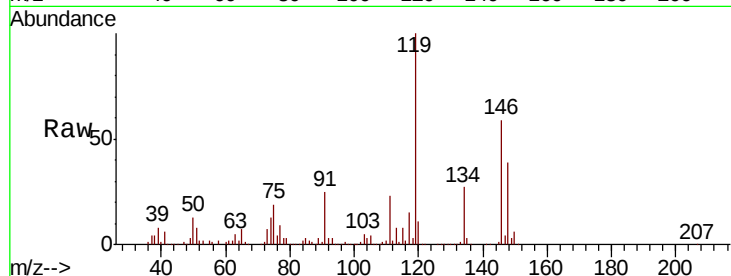




#87
 1,3-Dichlorobenzene
 Concen: 50.074 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

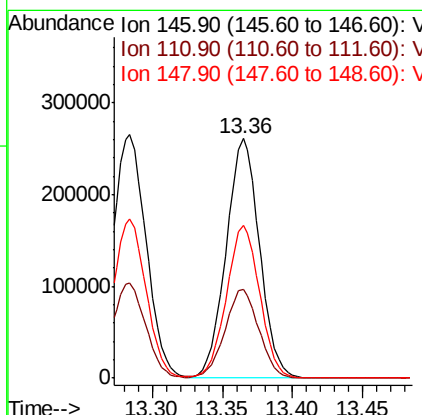
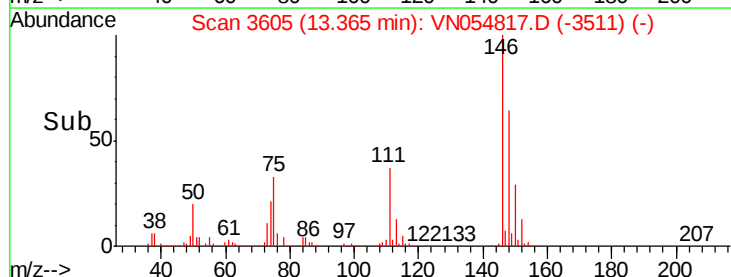
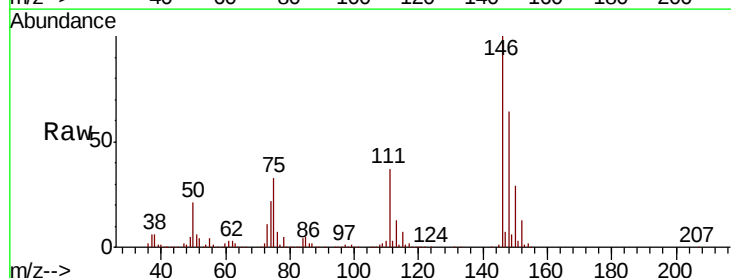
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

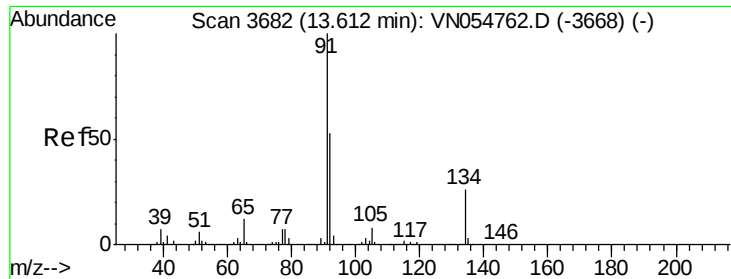
Tot Ion:146 Resp: 441249
 Ion Ratio Lower Upper
 146 100
 111 38.9 18.8 56.3
 148 64.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 49.988 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Tgt Ion:146 Resp: 432034
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.1 54.1
 148 63.3 32.0 96.0





#89

n-Butylbenzene

Concen: 47.448 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

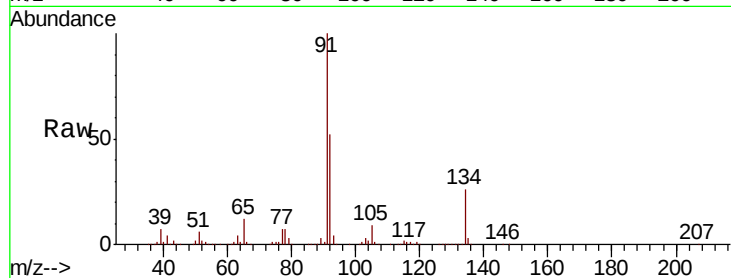
Tot Ion: 91 Resp: 663700

Ion Ratio Lower Upper

91 100

92 52.1 26.2 78.6

134 25.3 14.3 42.9

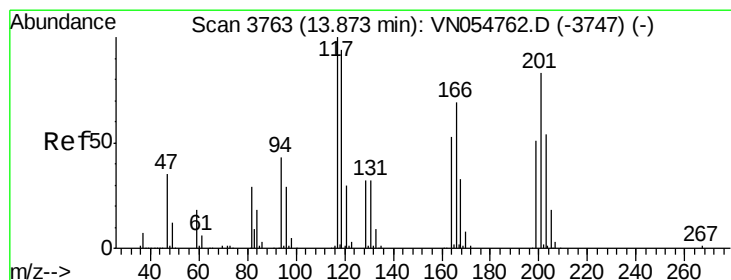
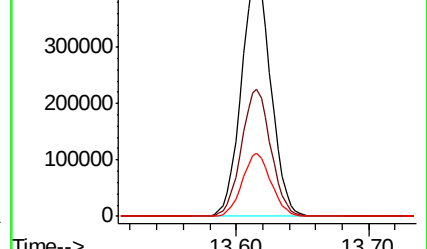
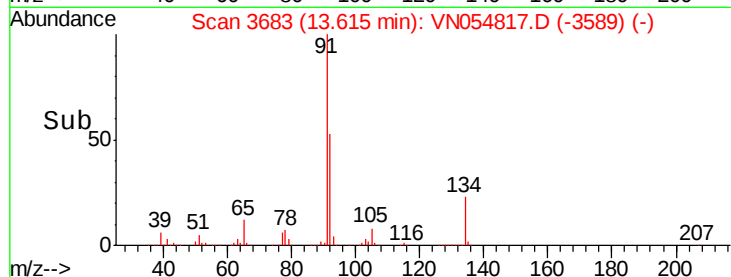


Abundance Ion 91.00 (90.70 to 91.70): VN054817.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN054817.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN054817.D (-3682) (-)

Time-->



#90

Hexachloroethane

Concen: 48.715 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054817.D

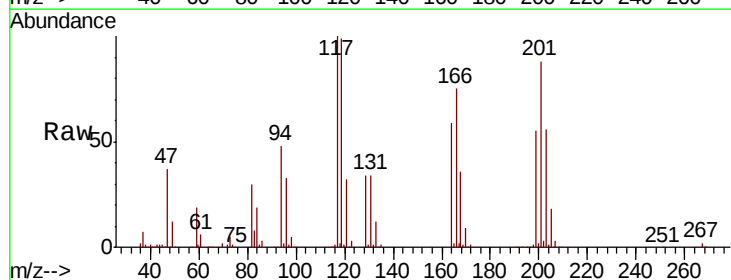
Acq: 30 Mar 2019 21:45

Tgt Ion: 117 Resp: 141805

Ion Ratio Lower Upper

117 100

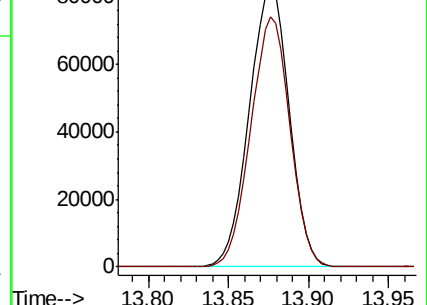
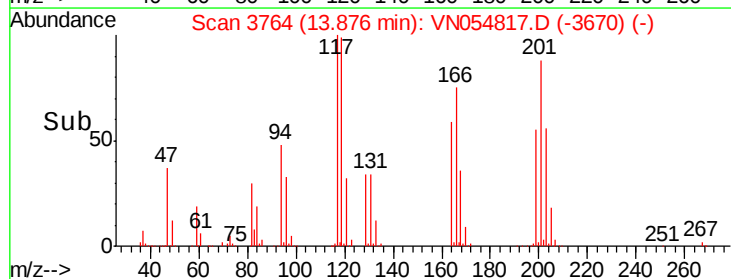
201 87.6 48.1 144.4

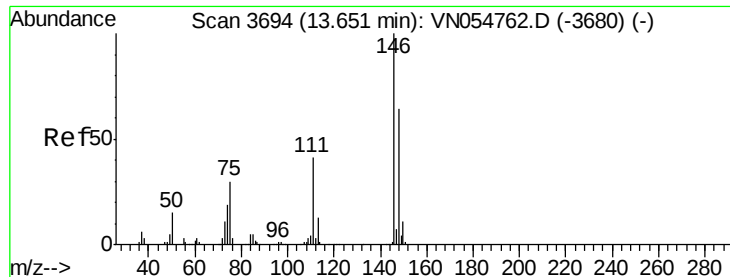


Abundance Ion 116.80 (116.50 to 117.50): VN054817.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN054817.D (-3763) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 50.222 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

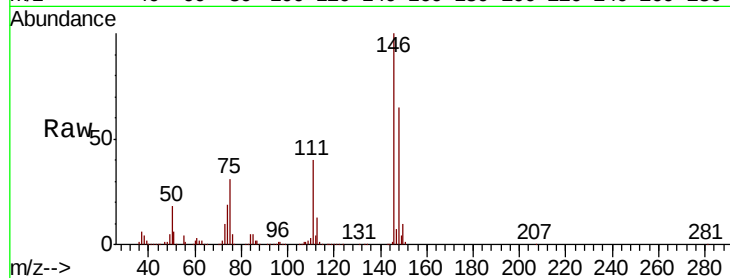
Tot Ion:146 Resp: 446638

Ion Ratio Lower Upper

146 100

111 40.3 19.1 57.3

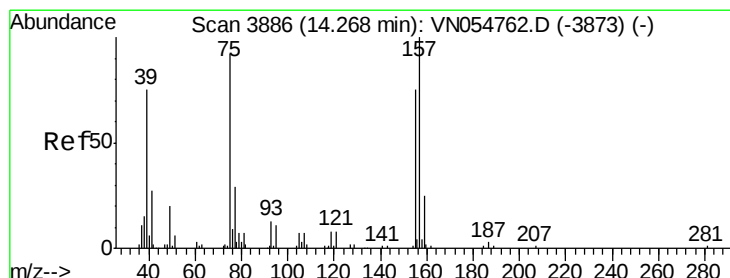
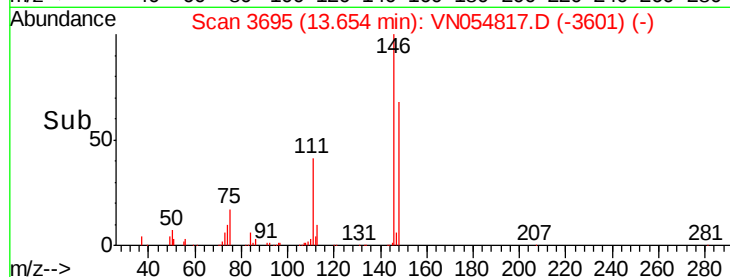
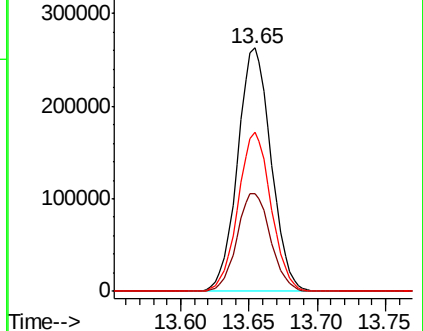
148 64.6 32.4 97.0



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: 65.105 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

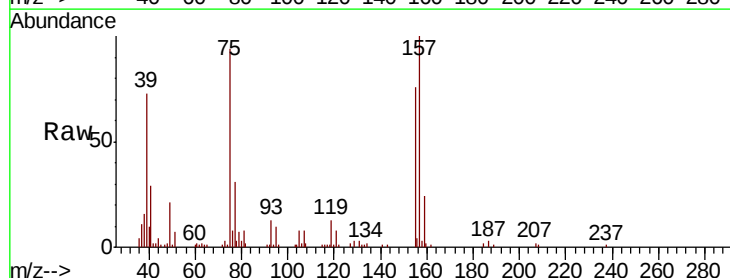
Tgt Ion: 75 Resp: 48537

Ion Ratio Lower Upper

75 100

155 81.8 50.1 150.3

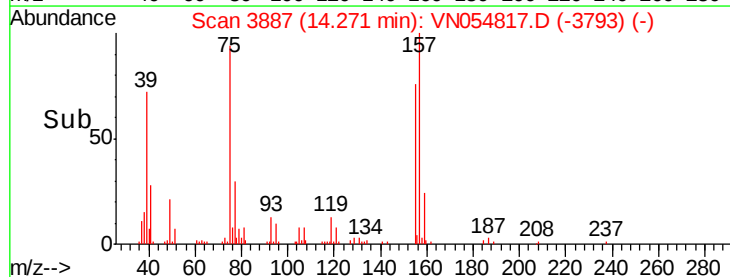
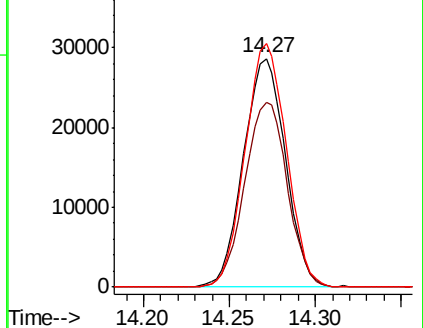
157 105.0 63.1 189.3

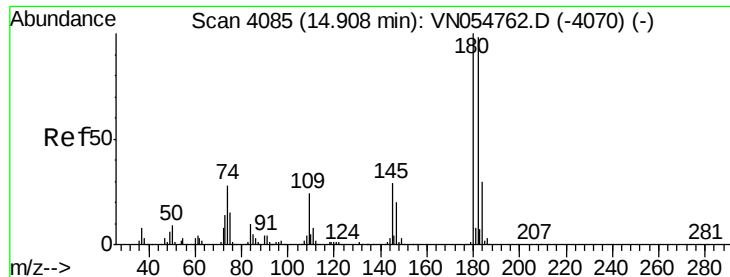


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

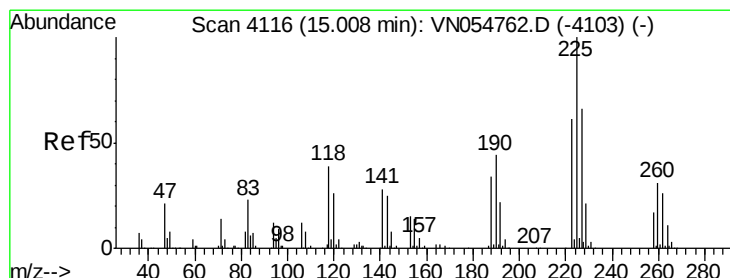
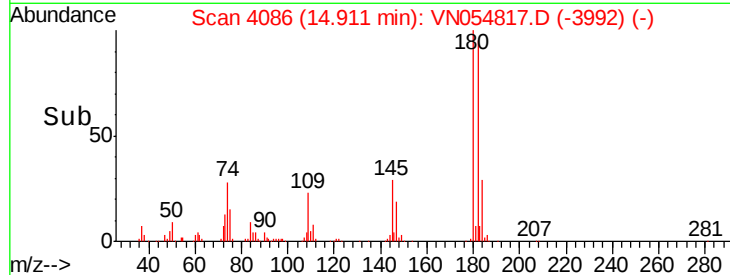
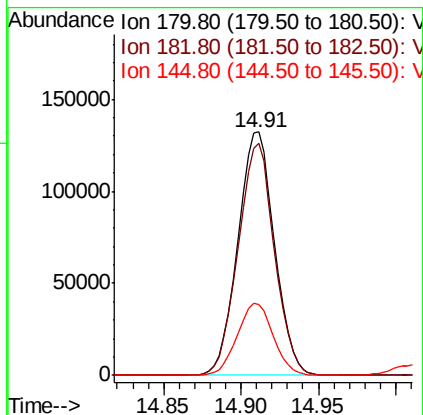
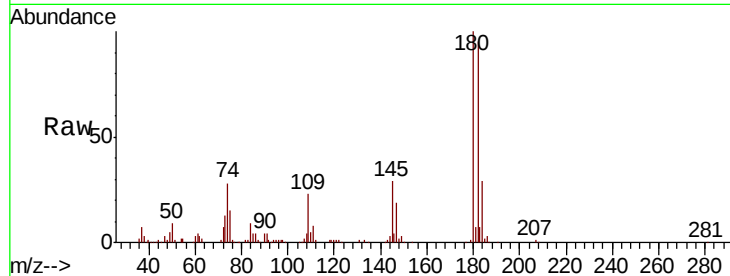




#93
 1,2,4-Trichlorobenzene
 Concen: 50.678 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

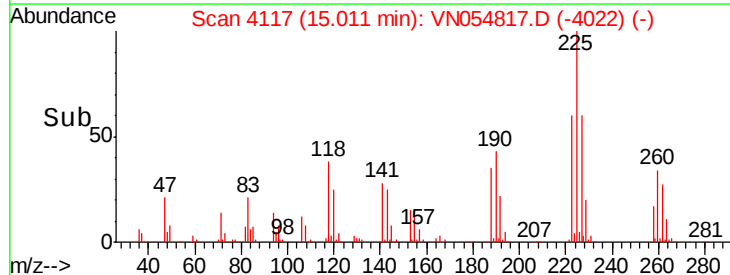
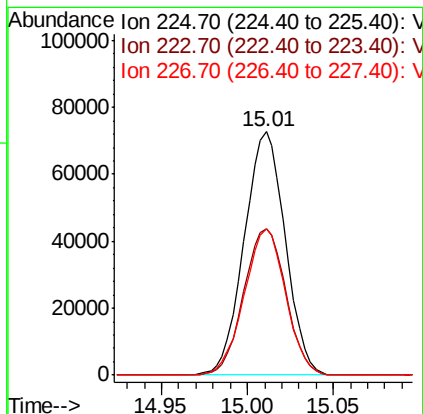
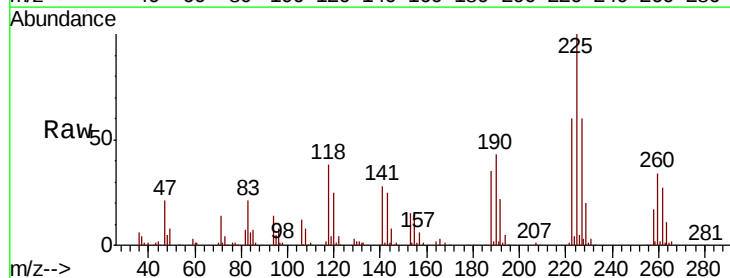
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

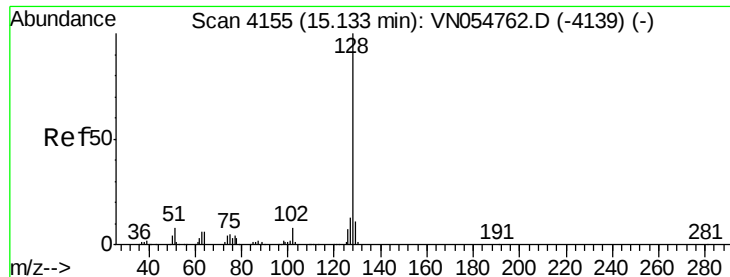
Tot Ion:180 Resp: 217280
 Ion Ratio Lower Upper
 180 100
 182 94.6 48.0 144.2
 145 29.0 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 47.250 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Tgt Ion:225 Resp: 120271
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.1 93.5
 227 60.7 31.9 95.9





#95

Naphthalene

Concen: 57.763 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

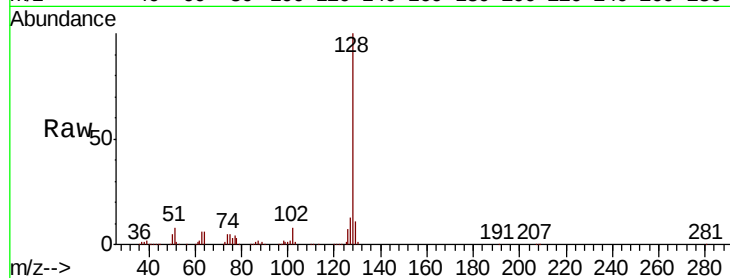
Tot Ion:128 Resp: 555452

Ion Ratio Lower Upper

128 100

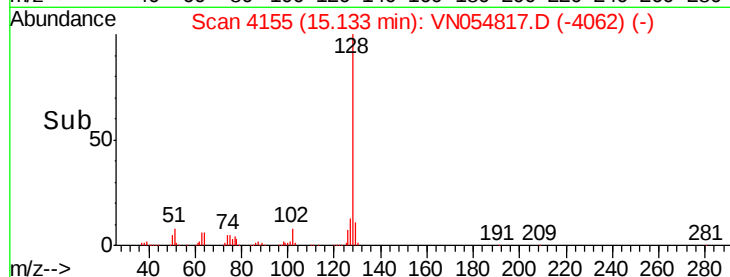
127 13.1 10.1 15.1

129 11.0 8.7 13.1

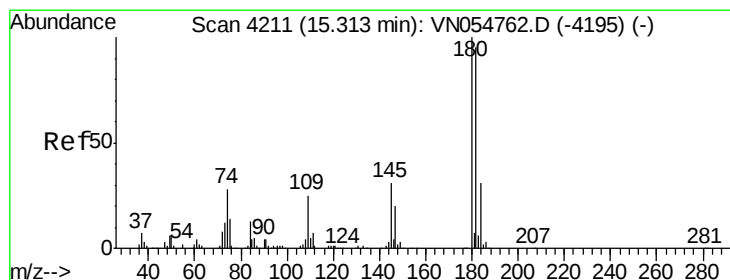


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

15.13



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 51.555 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

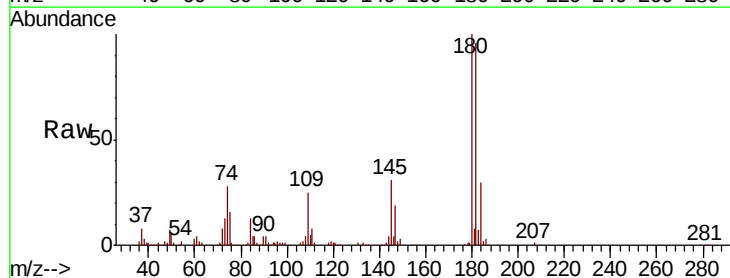
Tgt Ion:180 Resp: 223235

Ion Ratio Lower Upper

180 100

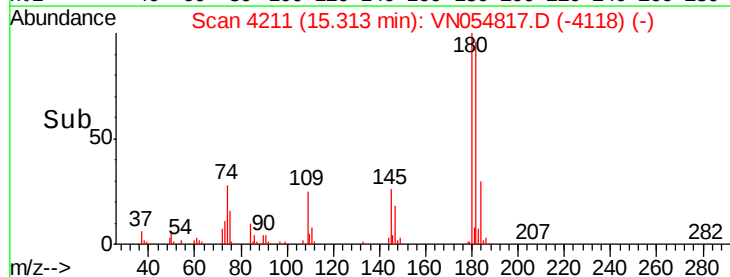
182 96.1 47.5 142.6

145 31.7 14.8 44.3



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

15.31



Time-->