

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054277.D
 Acq On : 14 Mar 2019 22:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 15 06:58:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1401407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2128074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1869933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	903470	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	749825	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
35) Dibromofluoromethane	7.59	113	712811	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
50) Toluene-d8	10.09	98	2563541	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	12.40	95	888395	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	651327	49.039	ug/l	99
3) Chloromethane	2.06	50	599185	46.443	ug/l	100
4) Vinyl Chloride	2.19	62	691327	46.882	ug/l	99
5) Bromomethane	2.57	94	380343	37.241	ug/l	97
6) Chloroethane	2.71	64	420114	47.087	ug/l	99
7) Trichlorofluoromethane	3.02	101	909596	46.395	ug/l	98
8) Diethyl Ether	3.41	74	465092	52.057	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	739140	50.310	ug/l	99
10) Methyl Iodide	3.94	142	862807	41.613	ug/l	98
11) Tert butyl alcohol	4.81	59	211207	207.006	ug/l	99
12) 1,1-Dichloroethene	3.73	96	745309	51.192	ug/l	96
13) Acrolein	3.61	56	183220	189.509	ug/l	100
14) Allyl chloride	4.32	41	892191	47.762	ug/l	100
15) Acrylonitrile	4.99	53	1044709	249.271	ug/l	100
16) Acetone	3.82	43	751998	176.470	ug/l	98
17) Carbon Disulfide	4.04	76	1613141	44.199	ug/l	99
18) Methyl Acetate	4.33	43	464160	53.838	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1831832	50.761	ug/l	100
20) Methylene Chloride	4.55	84	704674	50.362	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	697004	49.966	ug/l	98
22) Diisopropyl ether	5.96	45	1908361	51.188	ug/l	97
23) Vinyl Acetate	5.90	43	6792360	247.103	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1213098	50.677	ug/l	99
25) 2-Butanone	6.85	43	1174853	234.900	ug/l	99
26) 2,2-Dichloropropane	6.82	77	831977	39.522	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	815646	52.412	ug/l	96
28) Bromochloromethane	7.19	49	485782	49.640	ug/l	93
29) Tetrahydrofuran	7.22	42	780302	242.648	ug/l	98
30) Chloroform	7.37	83	1300610	52.068	ug/l	100
31) Cyclohexane	7.65	56	1080807	48.251	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1142782	50.657	ug/l	100
36) 1,1-Dichloropropene	7.79	75	962671	49.121	ug/l	99
37) Ethyl Acetate	6.94	43	540527	48.001	ug/l	99
38) Carbon Tetrachloride	7.77	117	999645	48.640	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1157960	48.023	ug/l	97
40) Benzene	8.04	78	2870095	51.178	ug/l	99
41) Methacrylonitrile	7.17	41	306752	47.710	ug/l	98
42) 1,2-Dichloroethane	8.12	62	948769	50.110	ug/l	100
43) Isopropyl Acetate	8.17	43	933335	47.220	ug/l	98
44) Trichloroethene	8.83	130	883499	50.713	ug/l	97
45) 1,2-Dichloropropane	9.12	63	721848	51.837	ug/l	99
46) Dibromomethane	9.21	93	475054	50.490	ug/l	98
47) Bromodichloromethane	9.40	83	960660	50.930	ug/l	98
48) Methyl methacrylate	9.20	41	493276	49.177	ug/l	97
49) 1,4-Dioxane	9.20	88	141825	999.594	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2633010	251.721	ug/l	99
52) Toluene	10.16	92	1825125	51.327	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	904938	42.266	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1082304	49.240	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	675410	52.019	ug/l	99
56) Ethyl methacrylate	10.43	69	791372	51.117	ug/l	97
57) 1,3-Dichloropropane	10.71	76	1092087	51.439	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1505322	225.861	ug/l	99
59) 2-Hexanone	10.75	43	1617275	232.365	ug/l	99
60) Dibromochloromethane	10.90	129	745162	50.989	ug/l	100
61) 1,2-Dibromoethane	11.01	107	678935	51.456	ug/l	98
64) Tetrachloroethene	10.63	164	894762	49.491	ug/l	99
65) Chlorobenzene	11.43	112	2123368	51.715	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	783261	52.513	ug/l	100
67) Ethyl Benzene	11.51	91	3432082	50.426	ug/l	99
68) m/p-Xylenes	11.62	106	2735064	102.815	ug/l	99
69) o-Xylene	11.95	106	1346892	51.939	ug/l	98
70) Styrene	11.96	104	2137748	52.563	ug/l	99
71) Bromoform	12.13	173	499933	44.253	ug/l #	99
73) Isopropylbenzene	12.25	105	3542548	49.009	ug/l	100
74) N-amyl acetate	12.07	43	763238	47.570	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	761423	49.442	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	899964	67.738	ug/l #	100
77) Bromobenzene	12.53	156	953082	49.828	ug/l	97
78) n-propylbenzene	12.59	91	3855459	49.157	ug/l	100
79) 2-Chlorotoluene	12.67	91	2318235	49.158	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2971866	49.429	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	146330	37.650	ug/l	90
82) 4-Chlorotoluene	12.77	91	2333505	49.555	ug/l	100
83) tert-Butylbenzene	12.99	119	2730320	49.336	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2972219	50.389	ug/l	99
85) sec-Butylbenzene	13.17	105	3482741	48.527	ug/l	100
86) p-Isopropyltoluene	13.29	119	3096596	49.181	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1642846	50.973	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1601274	50.575	ug/l	100
89) n-Butylbenzene	13.62	91	2361781	49.368	ug/l	100
90) Hexachloroethane	13.88	117	487600	46.769	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1622044	51.481	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	110765	46.479	ug/l	93

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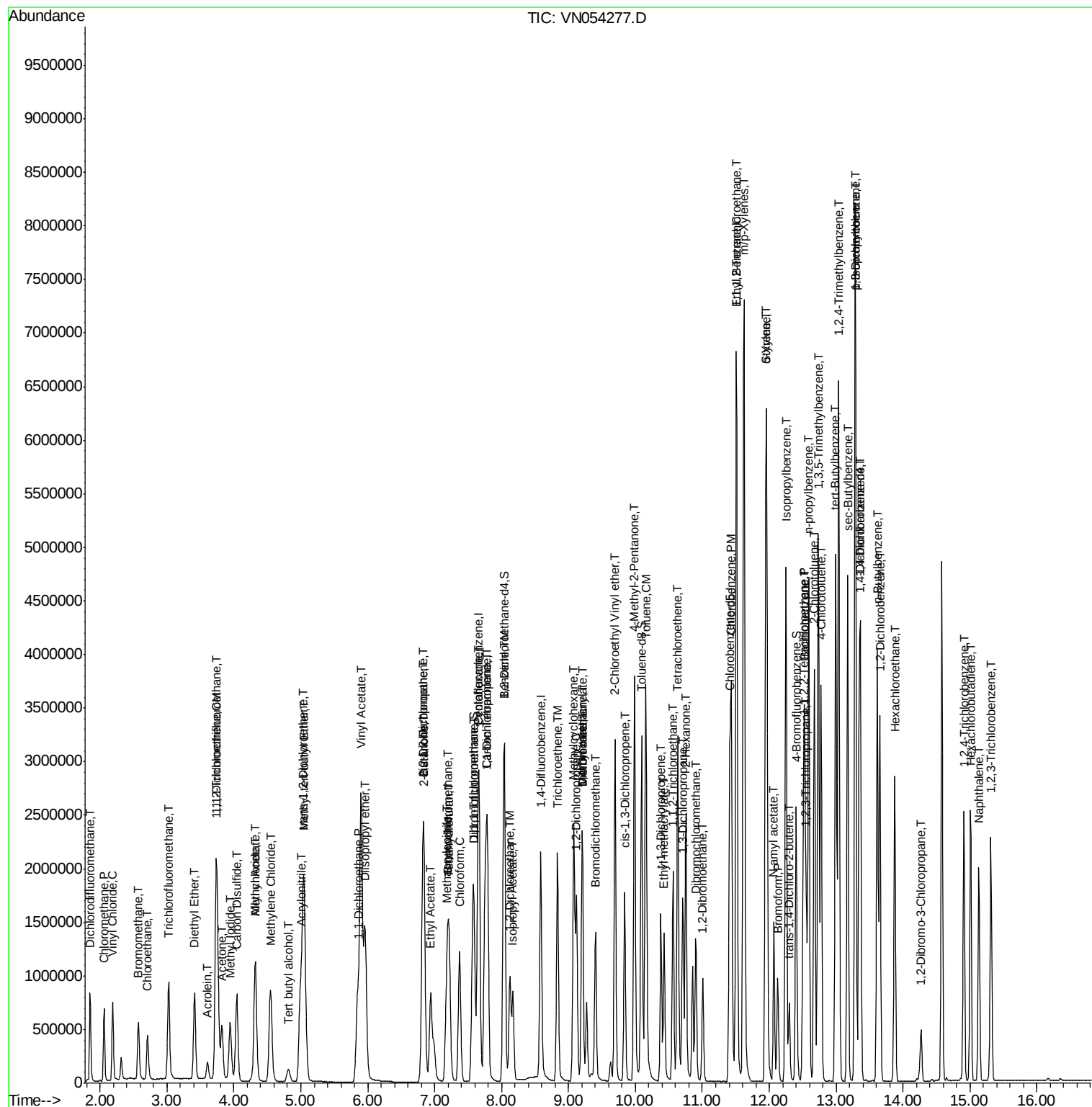
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	888349	46.867	ug/l	99
94) Hexachlorobutadiene	15.01	225	559430	46.614	ug/l	100
95) Naphthalene	15.13	128	1805006	45.859	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	889690	53.145	ug/l	99

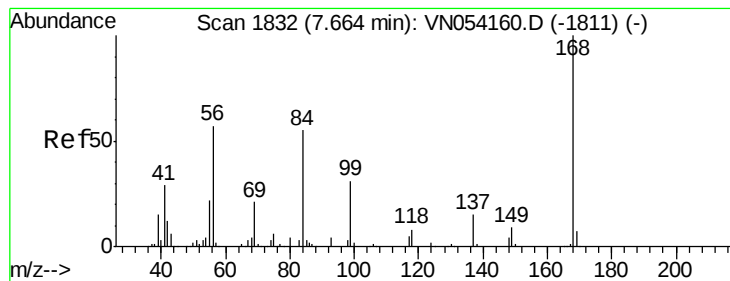
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

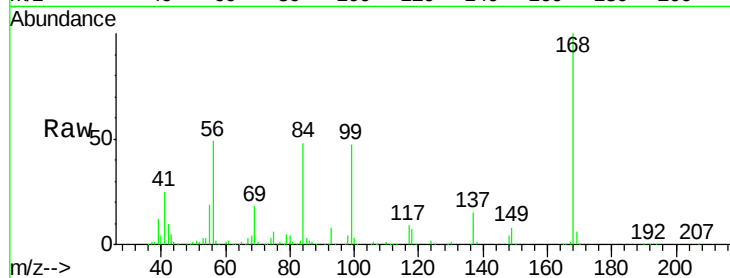
VSTDCCC050EC

Tot Ion:168 Resp: 1401407

Ion Ratio Lower Upper

168 100

99 46.2 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

600000

500000

400000

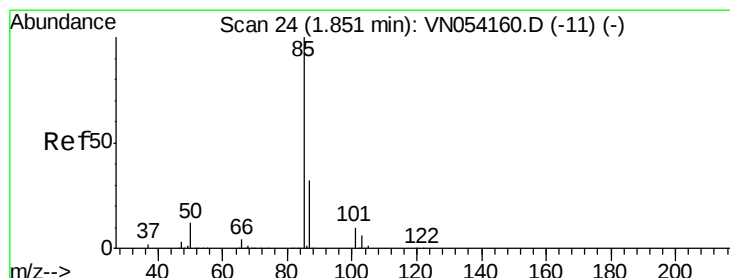
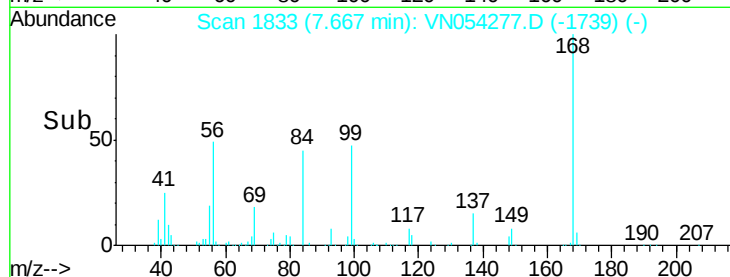
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.039 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054277.D

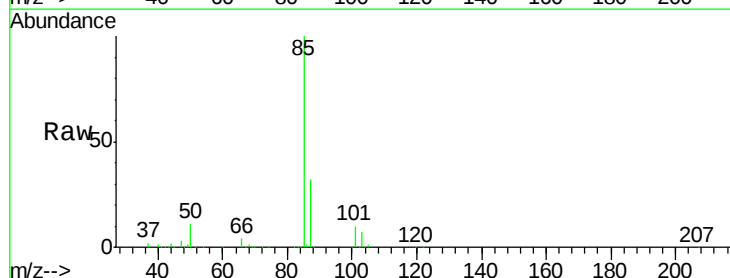
Acq: 14 Mar 2019 22:10

Tgt Ion: 85 Resp: 651327

Ion Ratio Lower Upper

85 100

87 32.1 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

500000

400000

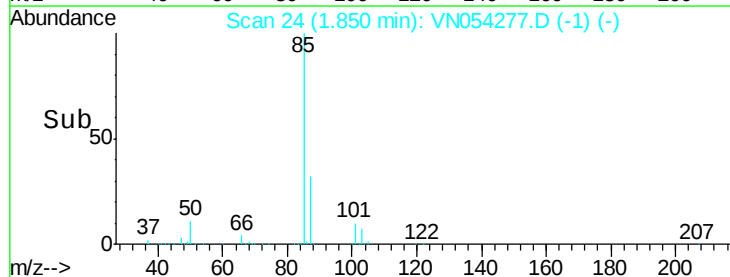
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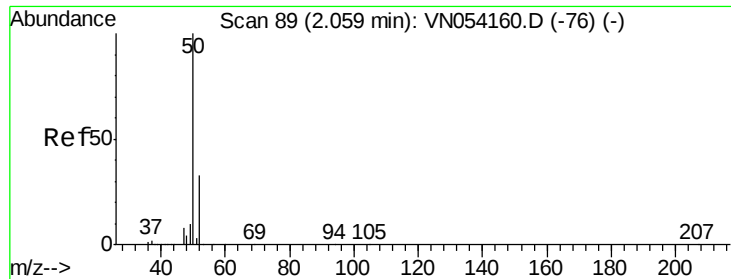
200000

100000

0

Time-->





#3

Chloromethane

Concen: 46.443 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

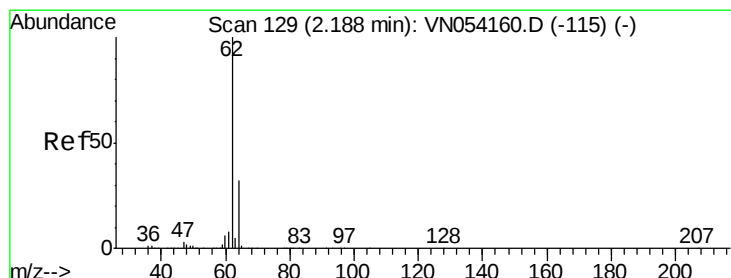
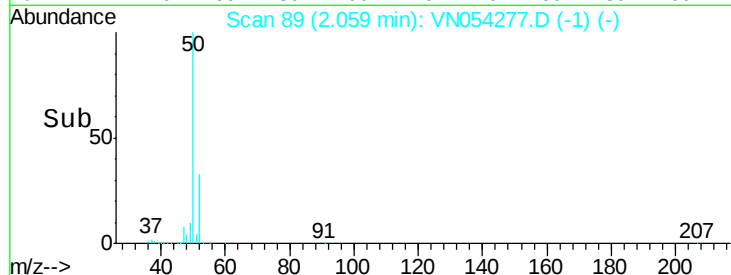
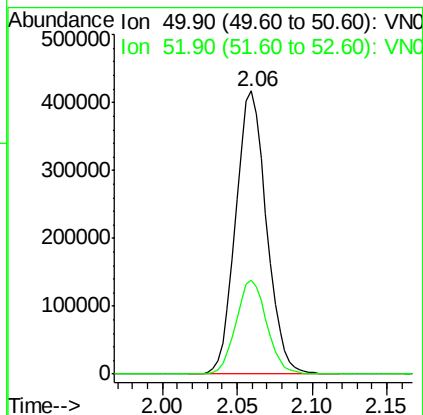
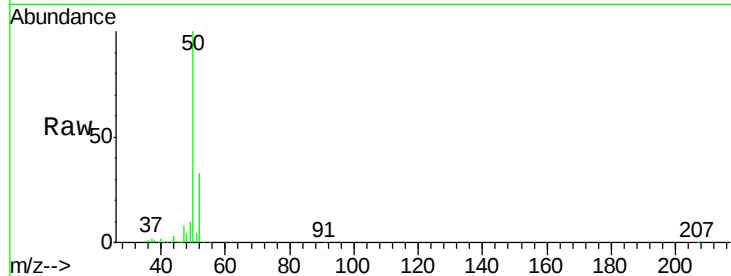
VSTDCCC050EC

Tot Ion: 50 Resp: 599185

Ion Ratio Lower Upper

50 100

52 33.3 26.4 39.6



#4

Vinyl Chloride

Concen: 46.882 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054277.D

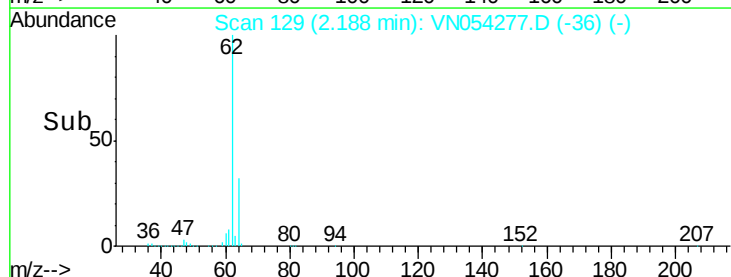
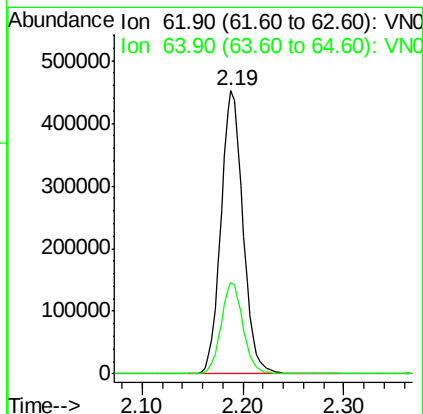
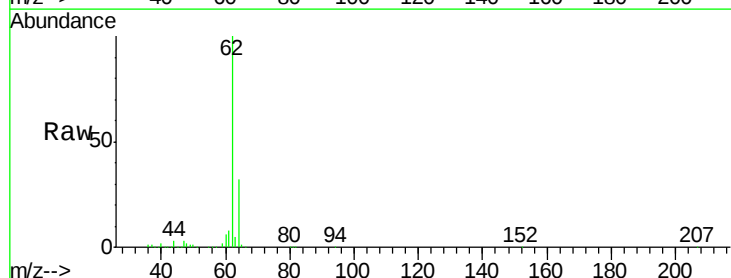
Acq: 14 Mar 2019 22:10

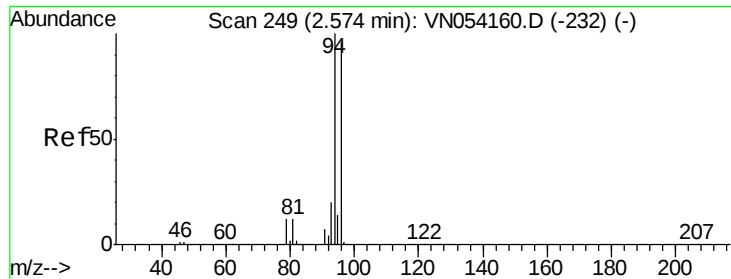
Tgt Ion: 62 Resp: 691327

Ion Ratio Lower Upper

62 100

64 32.5 25.5 38.3





#5

Bromomethane

Concen: 37.241 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

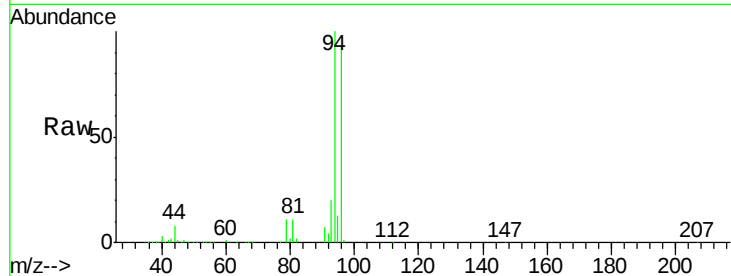
VSTDCCC050EC

Tot Ion: 94 Resp: 380343

Ion Ratio Lower Upper

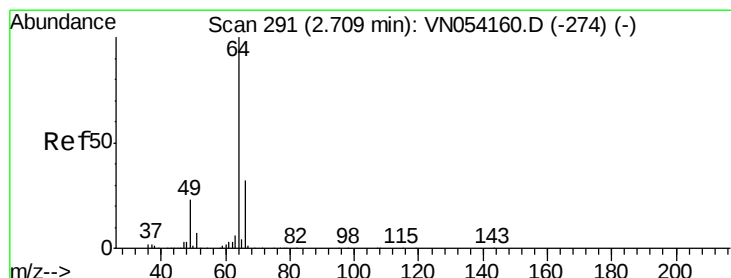
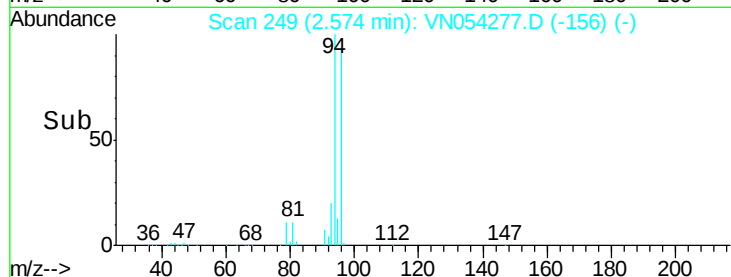
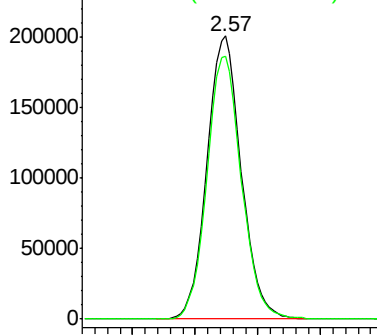
94 100

96 92.8 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.087 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054277.D

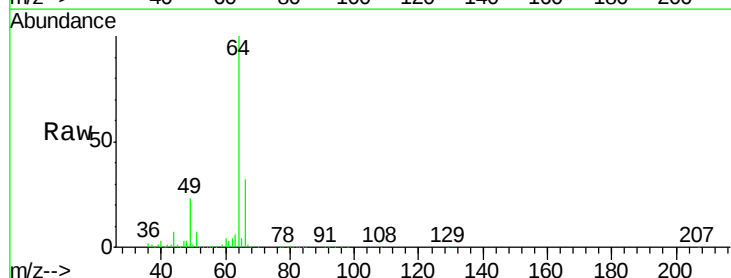
Acq: 14 Mar 2019 22:10

Tgt Ion: 64 Resp: 420114

Ion Ratio Lower Upper

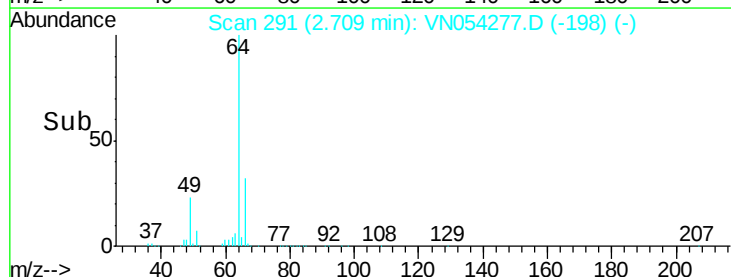
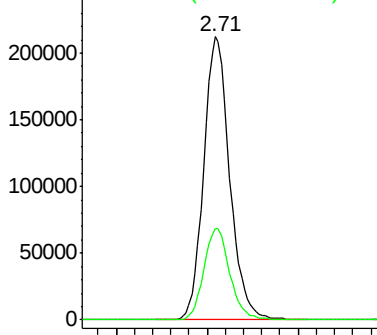
64 100

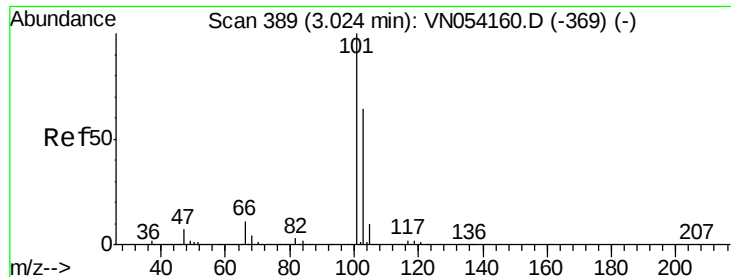
66 32.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



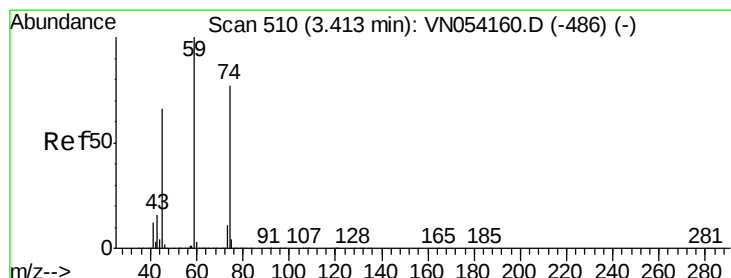
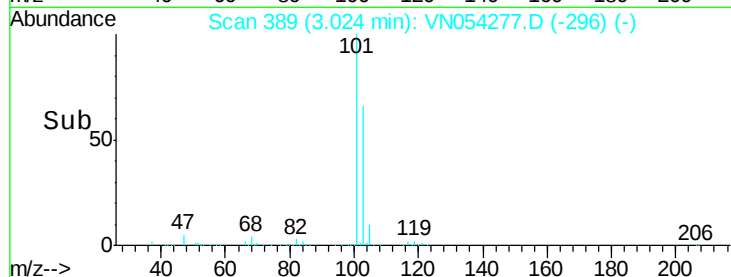
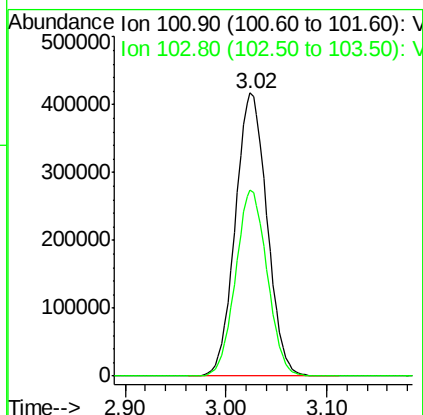
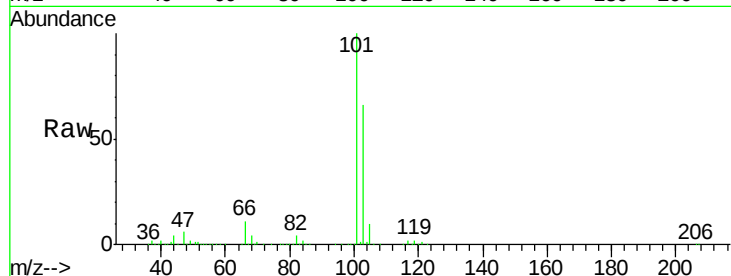


#7

Trichlorofluoromethane
 Concen: 46.395 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054277.D
 Acq: 14 Mar 2019 22:10

Instrument :
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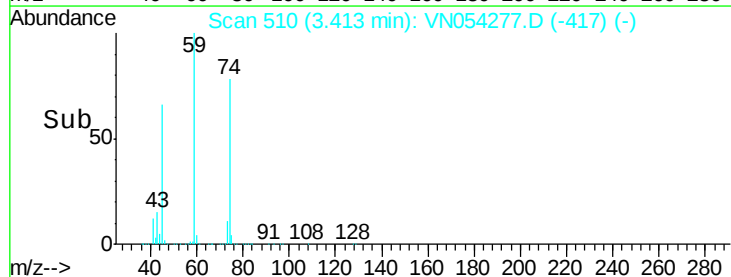
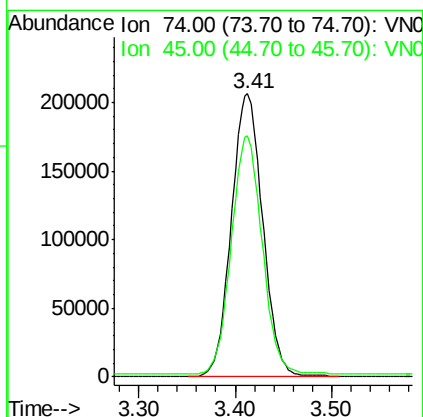
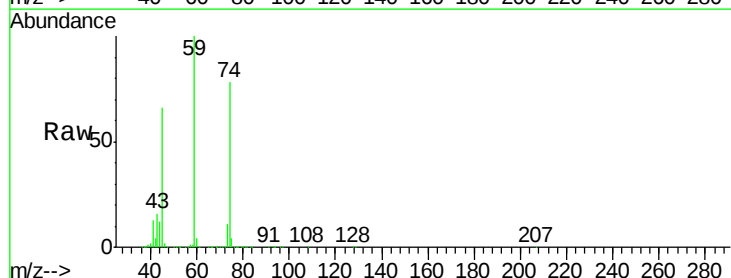
Tot Ion:101 Resp: 909596
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.4 77.2

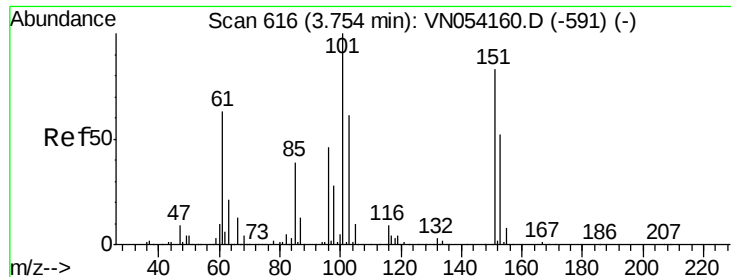


#8

Diethyl Ether
 Concen: 52.057 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054277.D
 Acq: 14 Mar 2019 22:10

Tgt Ion: 74 Resp: 465092
 Ion Ratio Lower Upper
 74 100
 45 82.5 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.310 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

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VSTDCCC050EC

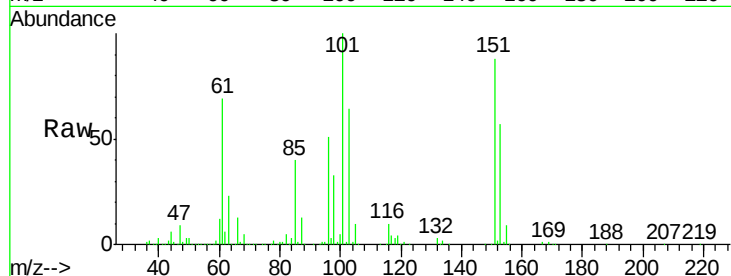
Tot Ion:101 Resp: 739140

Ion Ratio Lower Upper

101 100

85 40.4 32.4 48.6

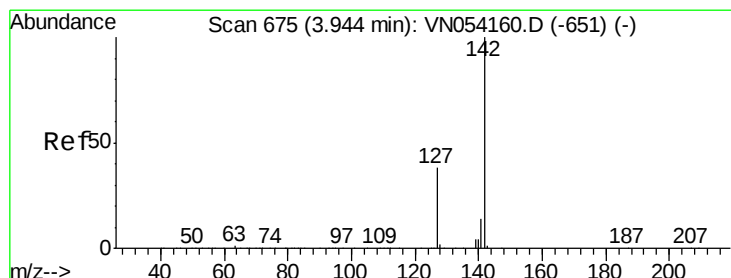
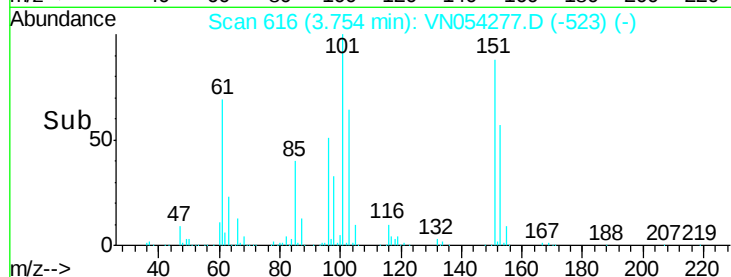
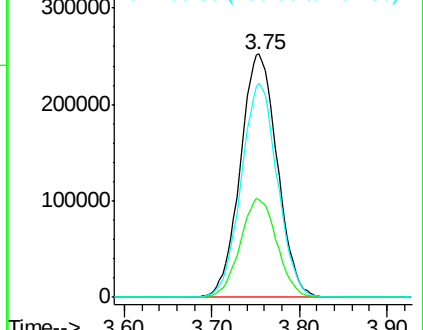
151 86.4 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.613 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

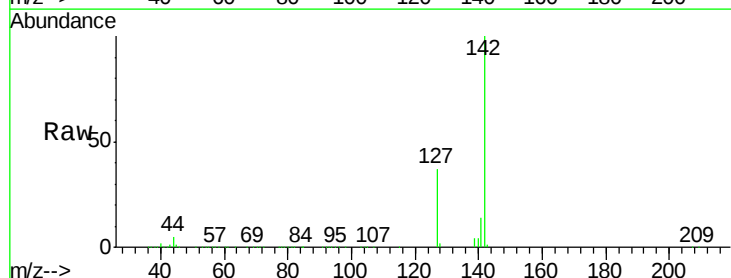
Tgt Ion:142 Resp: 862807

Ion Ratio Lower Upper

142 100

127 36.7 30.3 45.5

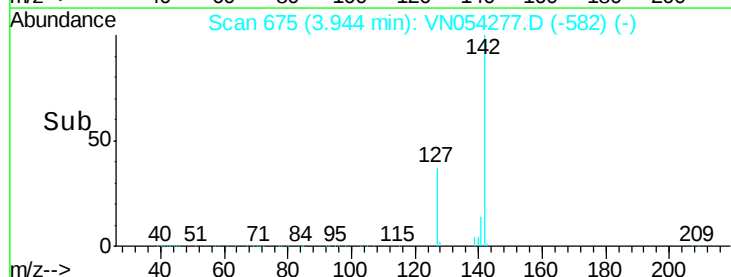
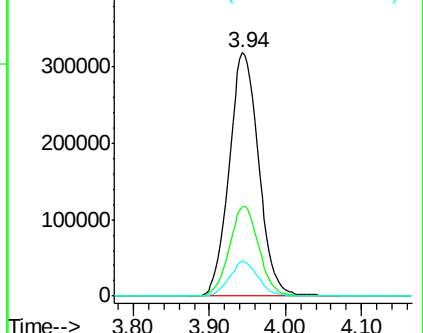
141 13.8 11.2 16.8

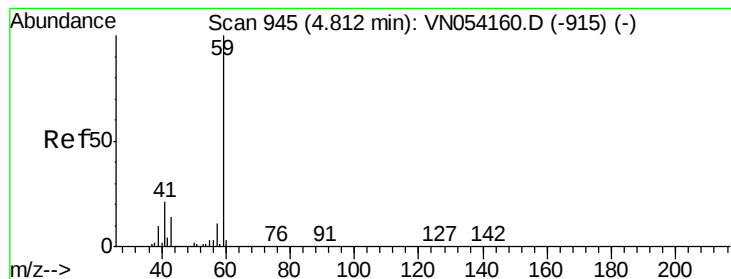


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



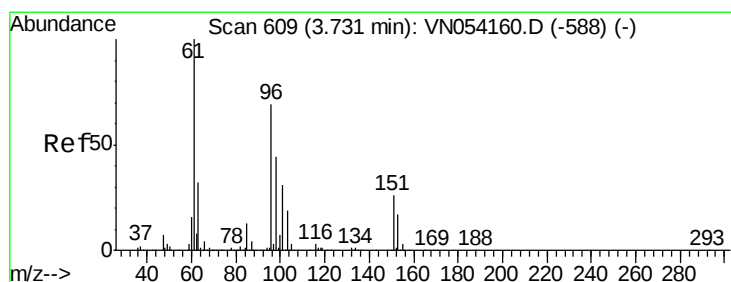
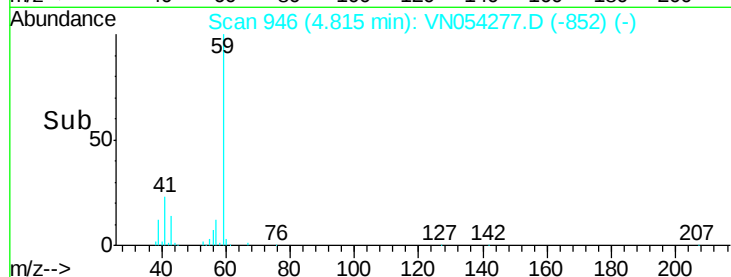
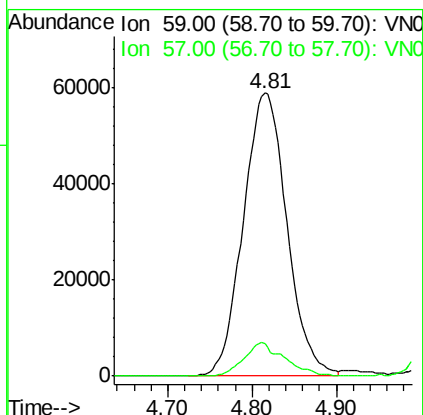
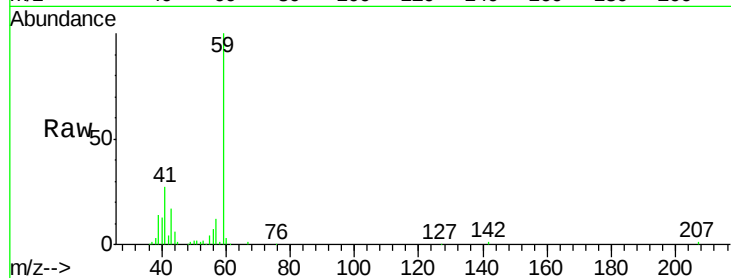


#11

Tert butyl alcohol
 Concen: 207.006 ug/l
 RT: 4.81 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN054277.D
 Acq: 14 Mar 2019 22:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

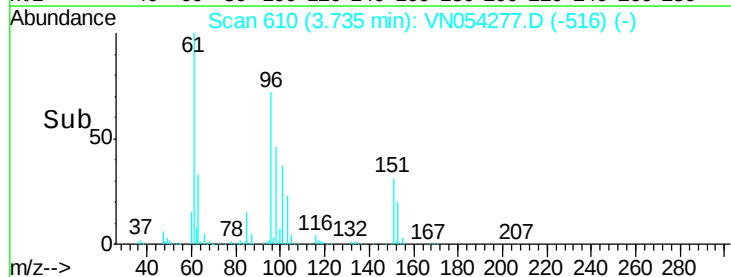
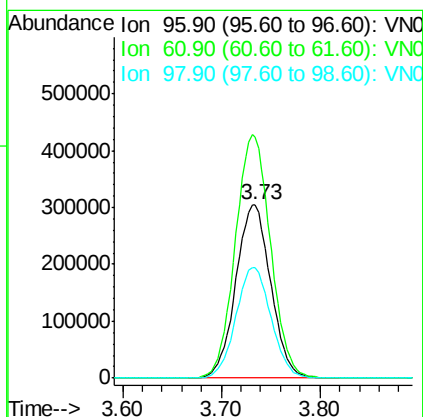
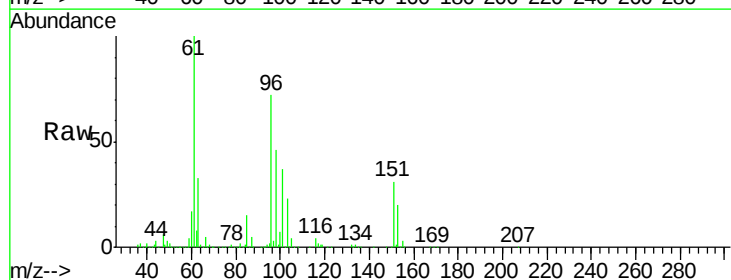
Tot Ion: 59 Resp: 211207
 Ion Ratio Lower Upper
 59 100
 57 10.9 9.0 13.6

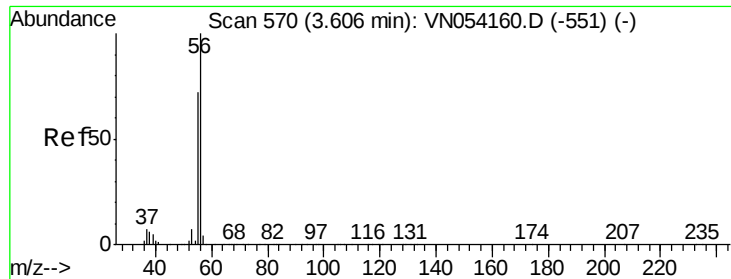


#12

1,1-Dichloroethene
 Concen: 51.192 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN054277.D
 Acq: 14 Mar 2019 22:10

Tgt Ion: 96 Resp: 745309
 Ion Ratio Lower Upper
 96 100
 61 139.2 116.5 174.7
 98 63.5 51.0 76.4





#13

Acrolein

Concen: 189.509 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

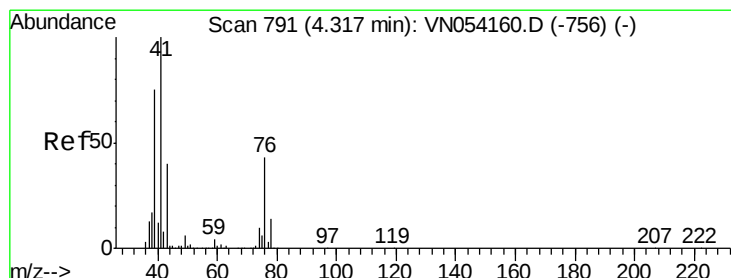
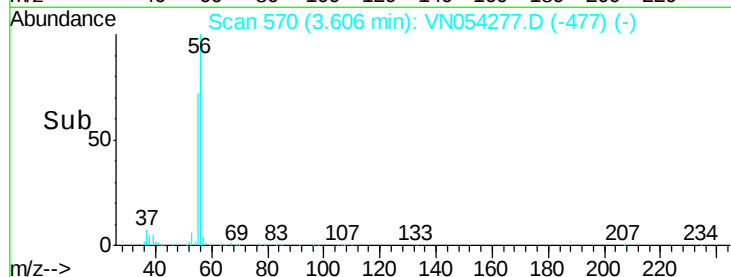
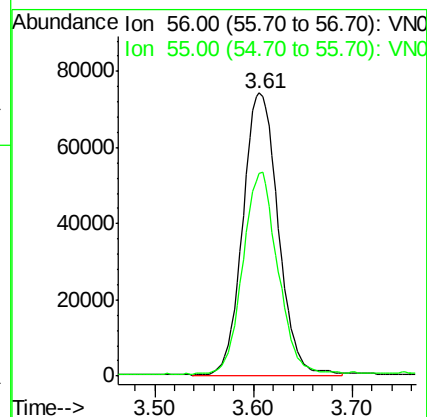
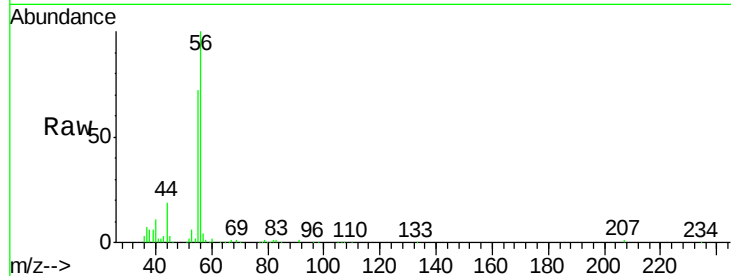
VSTDCCC050EC

Tot Ion: 56 Resp: 183220

Ion Ratio Lower Upper

56 100

55 71.3 56.7 85.1



#14

Allyl chloride

Concen: 47.762 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

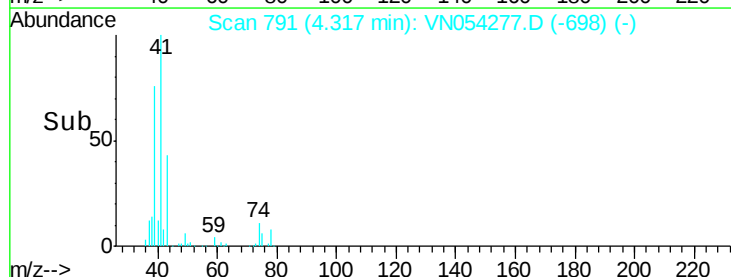
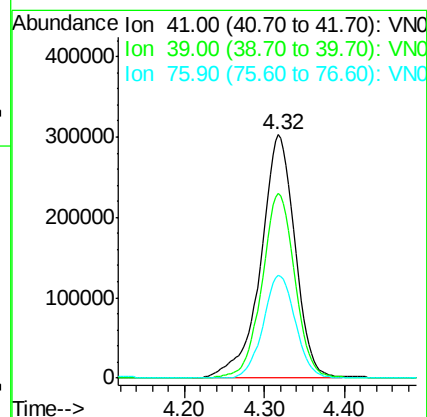
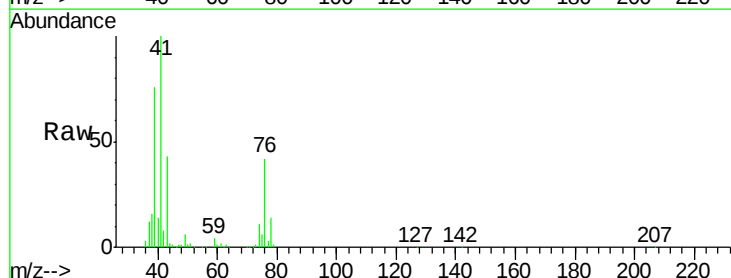
Tgt Ion: 41 Resp: 892191

Ion Ratio Lower Upper

41 100

39 72.9 58.2 87.4

76 39.5 31.7 47.5



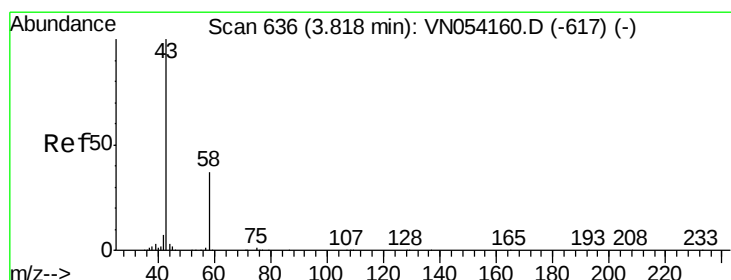
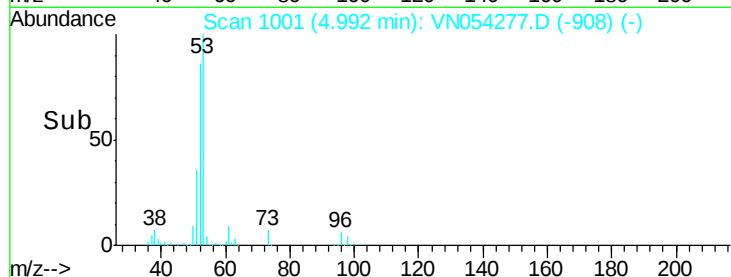
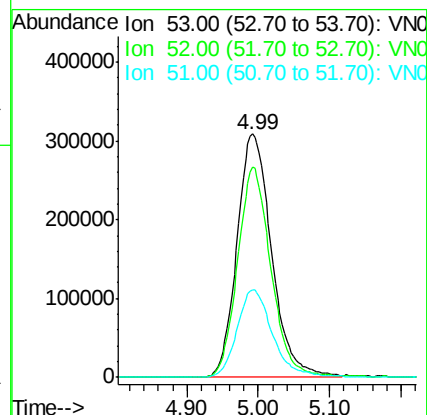
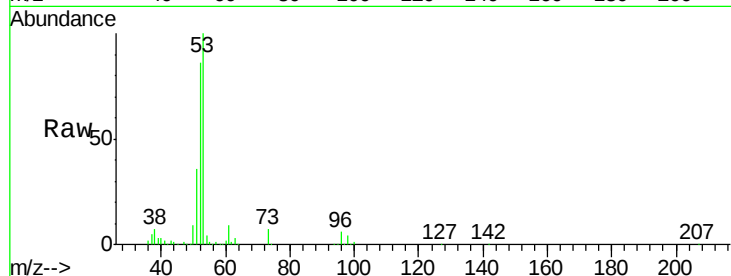


#15
 Acrylonitrile
 Concen: 249.271 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN054277.D
 Acq: 14 Mar 2019 22:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 53 Resp: 1044709

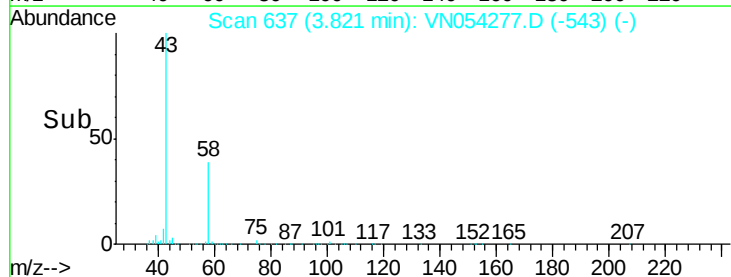
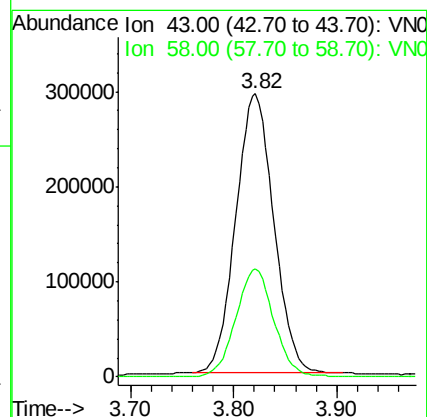
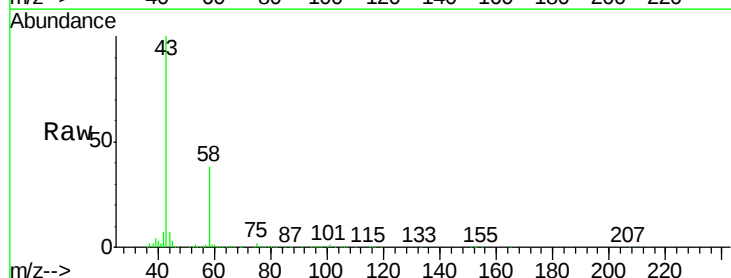
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.4	99.6
51	37.0	29.6	44.4

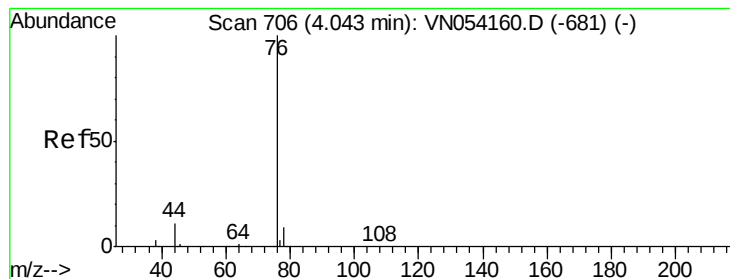


#16
 Acetone
 Concen: 176.470 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN054277.D
 Acq: 14 Mar 2019 22:10

Tgt Ion: 43 Resp: 751998

Ion	Ratio	Lower	Upper
43	100		
58	38.7	29.9	44.9





#17

Carbon Disulfide

Concen: 44.199 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

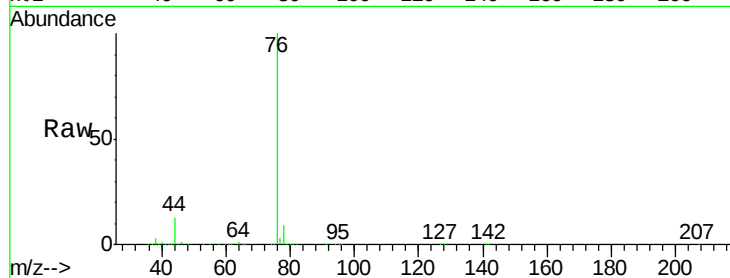
VSTDCCC050EC

Tot Ion: 76 Resp: 1613141

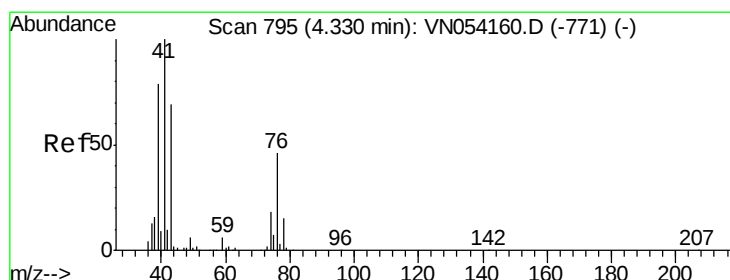
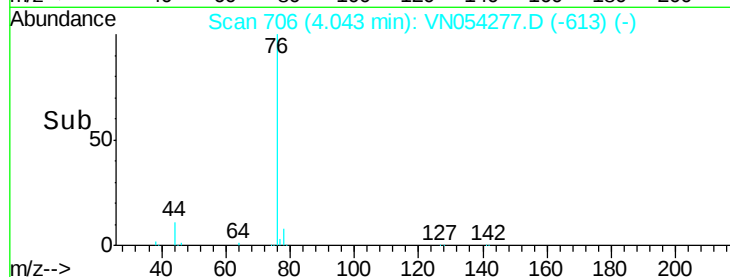
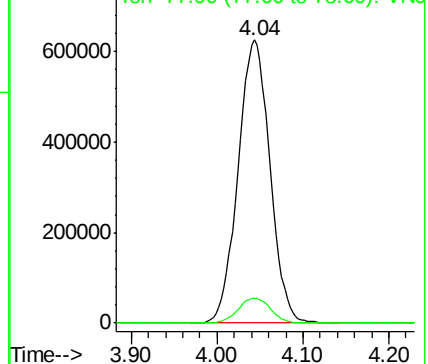
Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 53.838 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054277.D

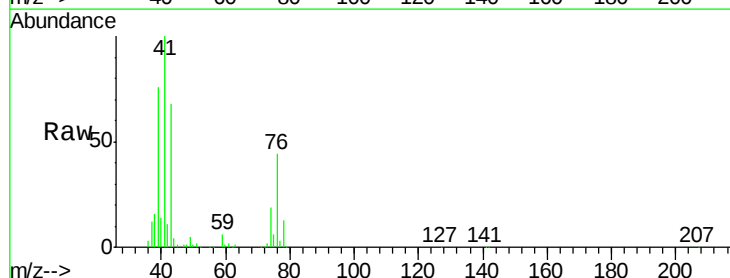
Acq: 14 Mar 2019 22:10

Tgt Ion: 43 Resp: 464160

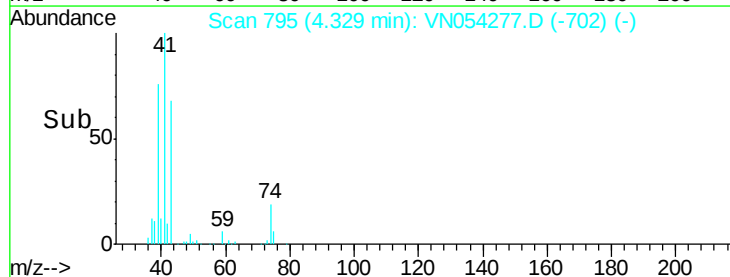
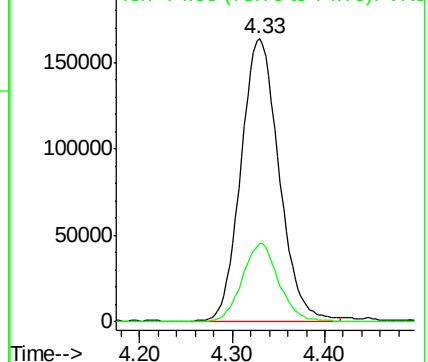
Ion Ratio Lower Upper

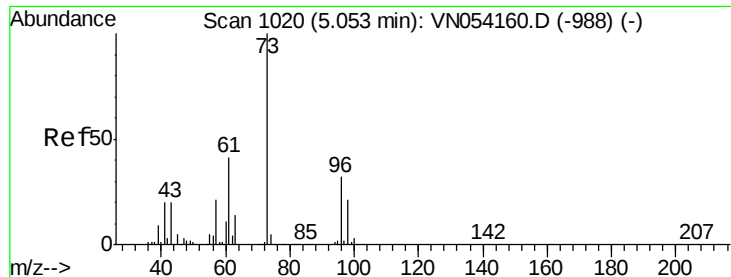
43 100

74 26.9 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

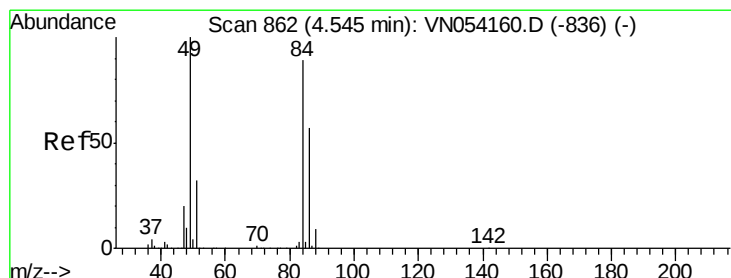
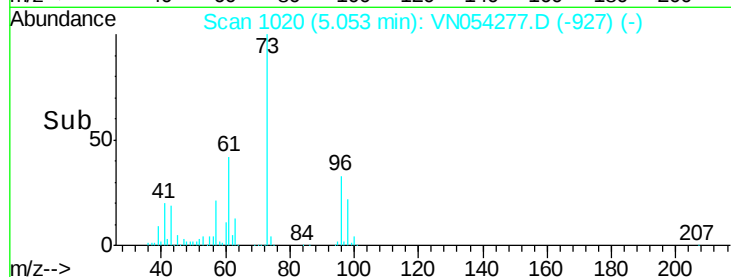
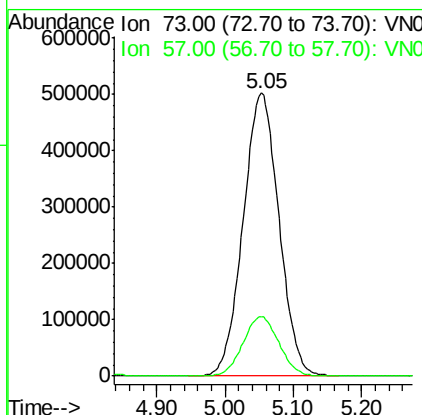
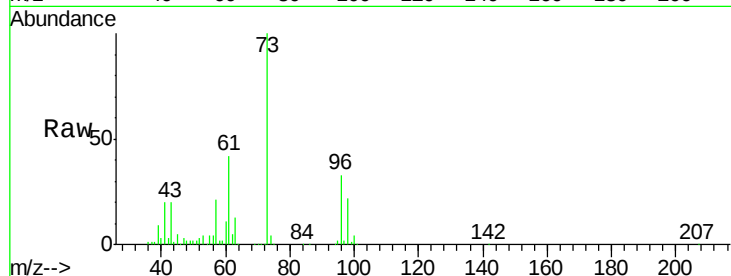




#19
Methyl tert-butyl Ether
Concen: 50.761 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

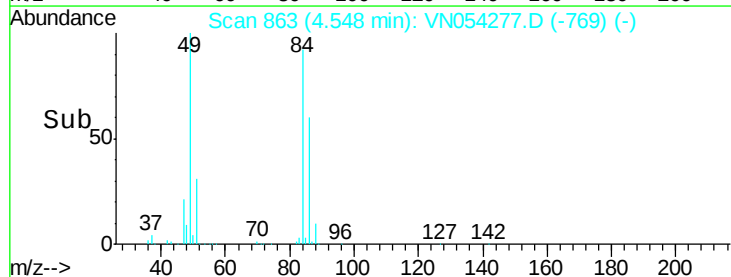
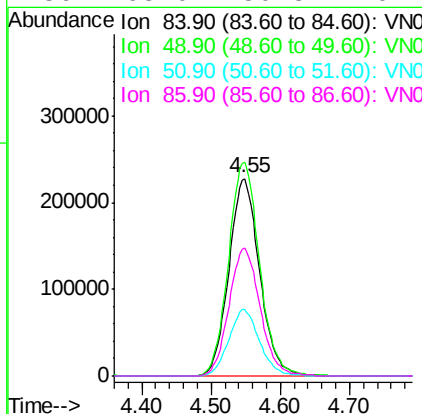
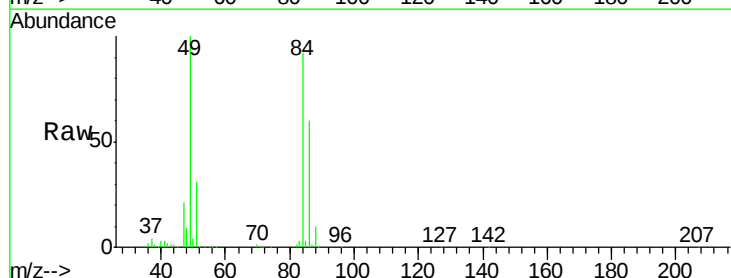
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1831832
Ion Ratio Lower Upper
73 100
57 21.0 16.8 25.2



#20
Methylene Chloride
Concen: 50.362 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

Tgt Ion: 84 Resp: 704674
Ion Ratio Lower Upper
84 100
49 108.1 89.7 134.5
51 33.4 28.2 42.4
86 65.0 50.8 76.2

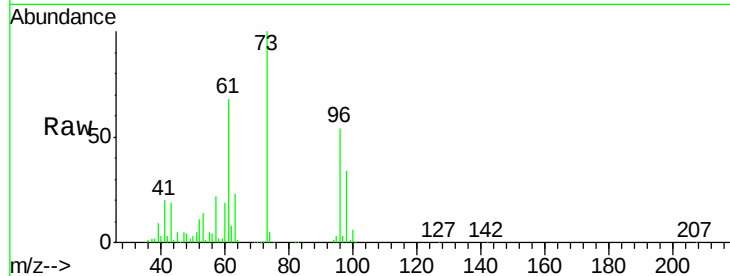




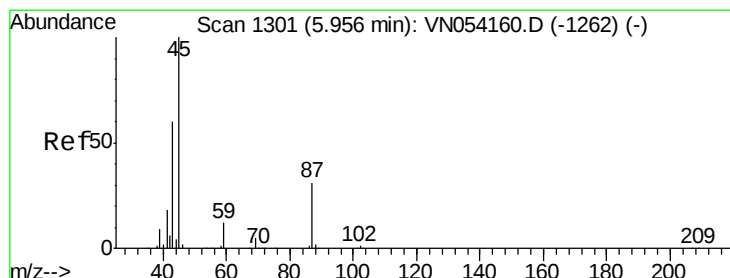
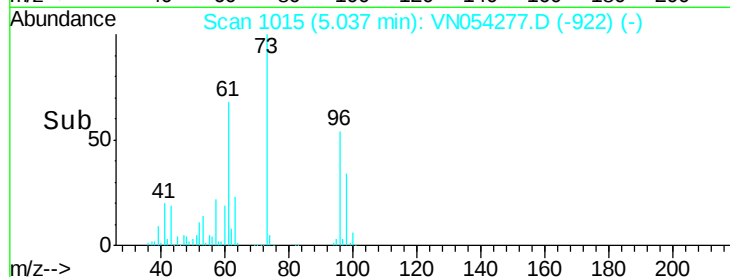
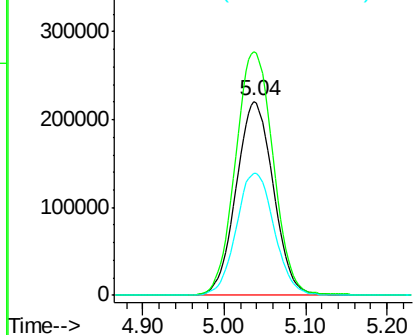
#21
trans-1,2-Dichloroethene
Concen: 49.966 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 697004
Ion Ratio Lower Upper
96 100
61 125.7 102.8 154.2
98 62.8 50.0 75.0

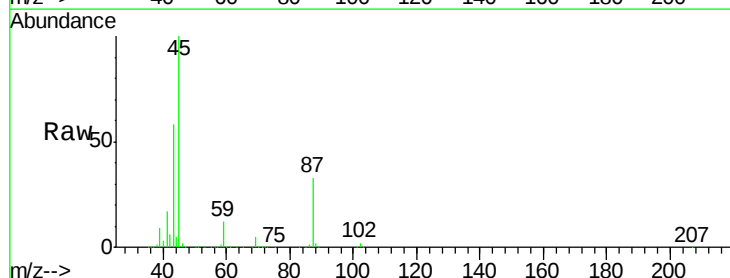


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

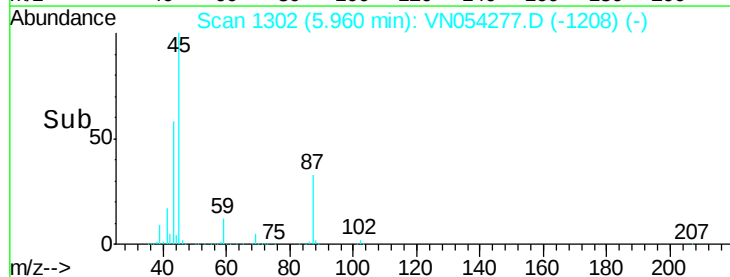
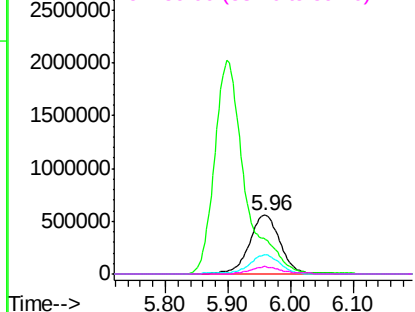


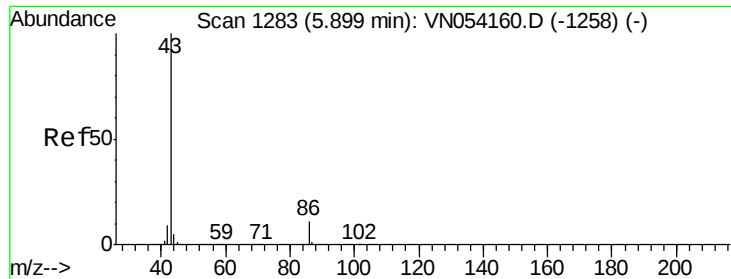
#22
Diisopropyl ether
Concen: 51.188 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

Tgt Ion: 45 Resp: 1908361
Ion Ratio Lower Upper
45 100
43 57.3 48.2 72.2
87 32.9 24.9 37.3
59 12.1 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC

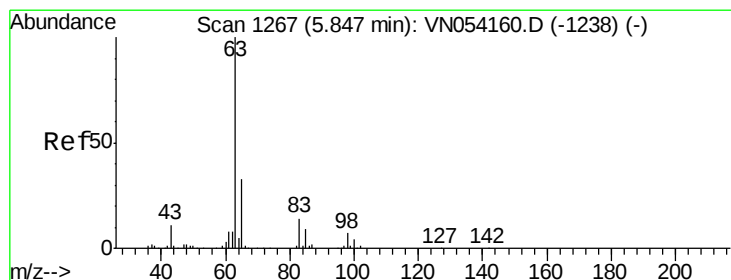
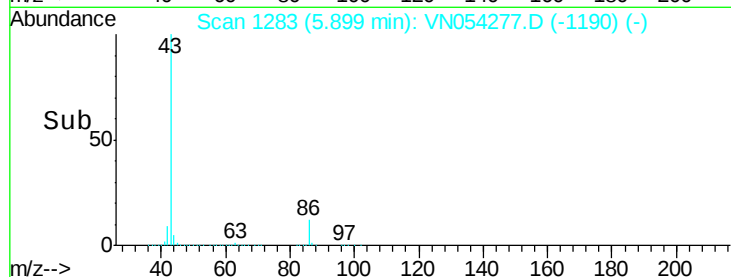
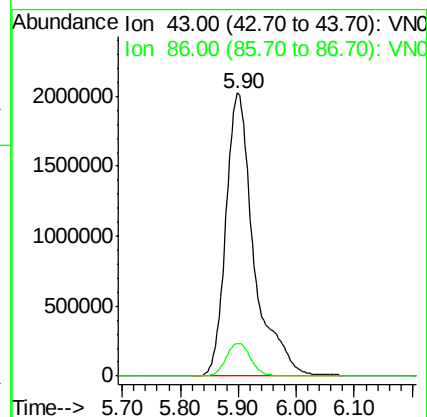
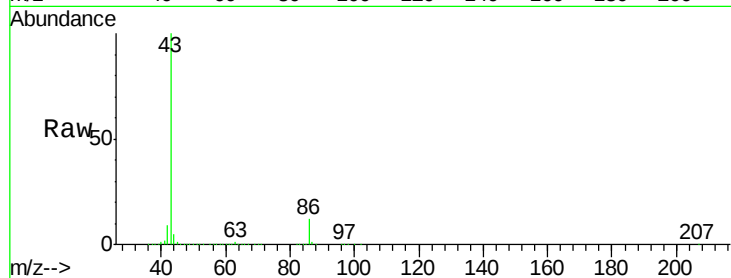




#23
 Vinyl Acetate
 Concen: 247.103 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054277.D
 Acq: 14 Mar 2019 22:10

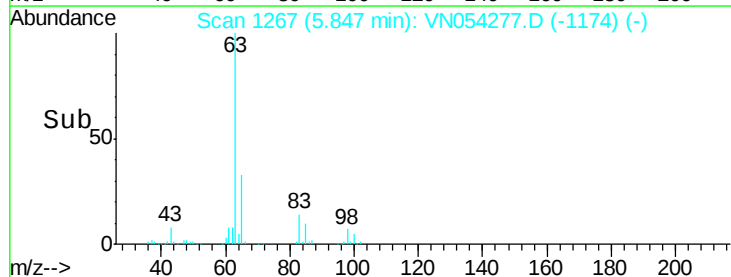
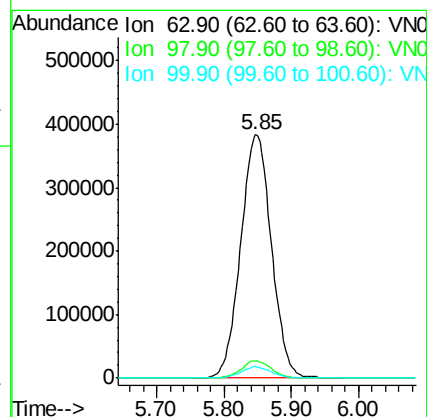
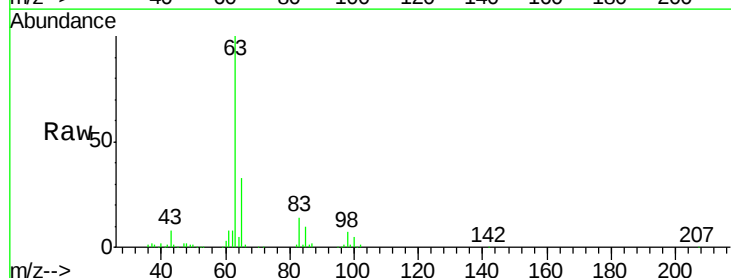
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

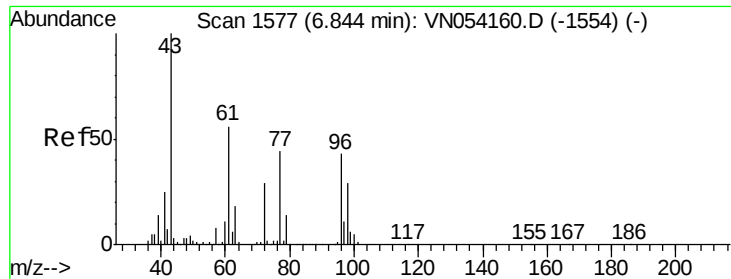
Tot Ion: 43 Resp: 6792360
 Ion Ratio Lower Upper
 43 100
 86 11.7 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 50.677 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054277.D
 Acq: 14 Mar 2019 22:10

Tgt Ion: 63 Resp: 1213098
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.5 10.5
 100 4.7 2.0 6.0





#25

2-Butanone

Concen: 234.900 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

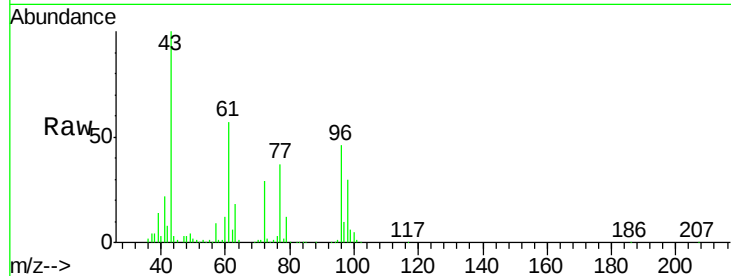
VSTDCCC050EC

Tot Ion: 43 Resp: 1174853

Ion Ratio Lower Upper

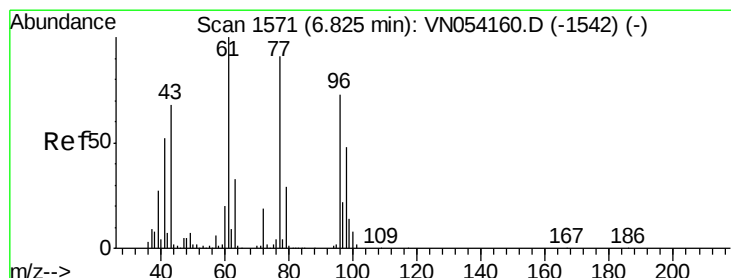
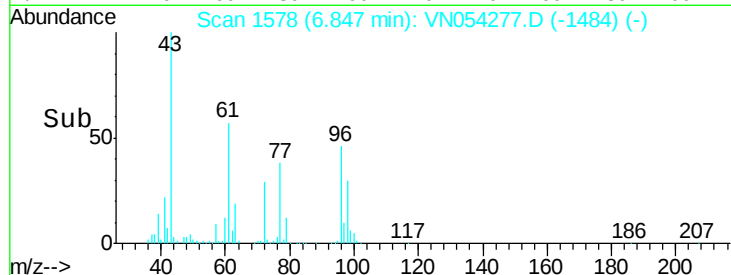
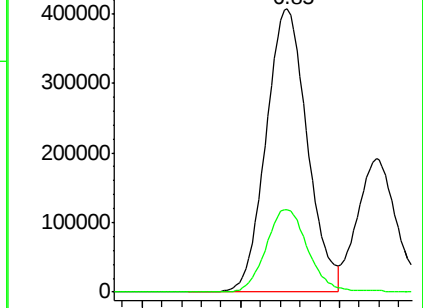
43 100

72 29.2 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 39.522 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054277.D

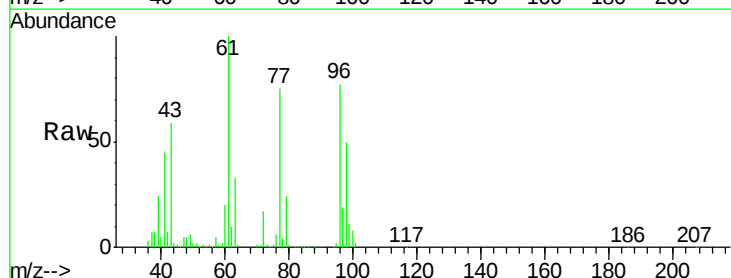
Acq: 14 Mar 2019 22:10

Tgt Ion: 77 Resp: 831977

Ion Ratio Lower Upper

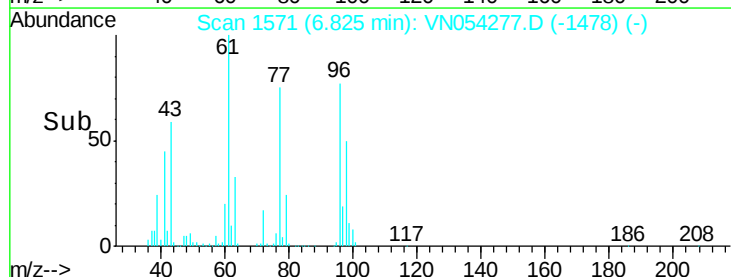
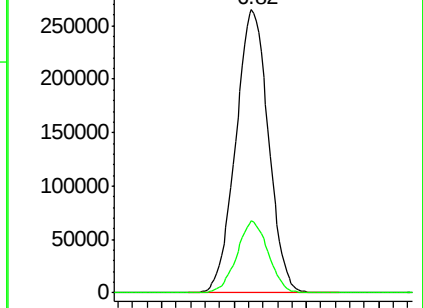
77 100

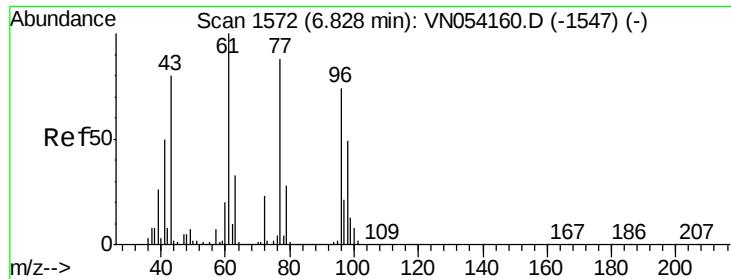
97 24.4 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 52.412 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

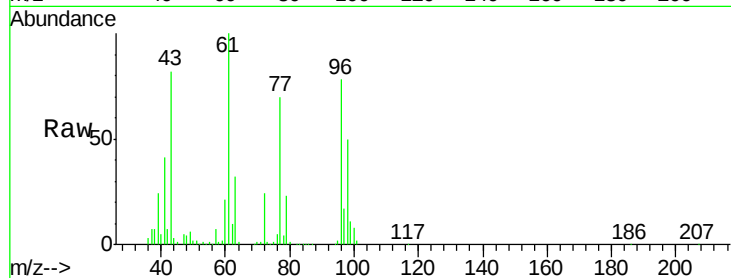
Tot Ion: 96 Resp: 815646

Ion Ratio Lower Upper

96 100

61 130.0 0.0 273.0

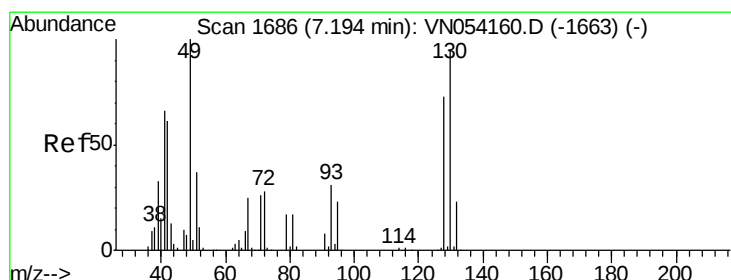
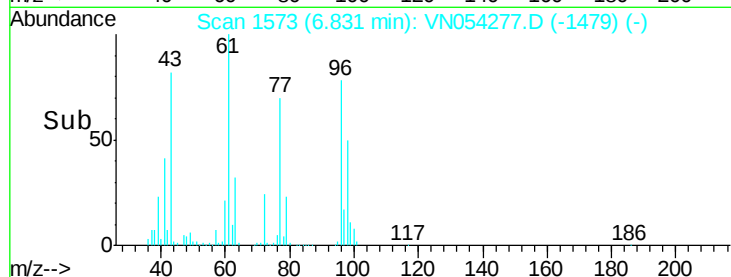
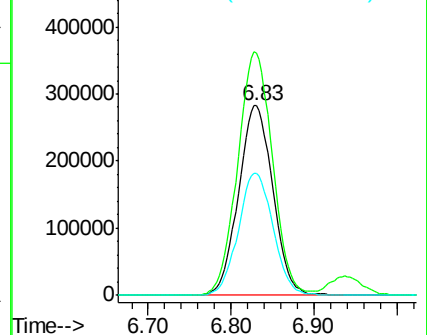
98 65.1 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN054160.D (-1547) (-)

Ion 60.90 (60.60 to 61.60): VN054160.D (-1547) (-)

Ion 97.90 (97.60 to 98.60): VN054160.D (-1547) (-)



#28

Bromochloromethane

Concen: 49.640 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

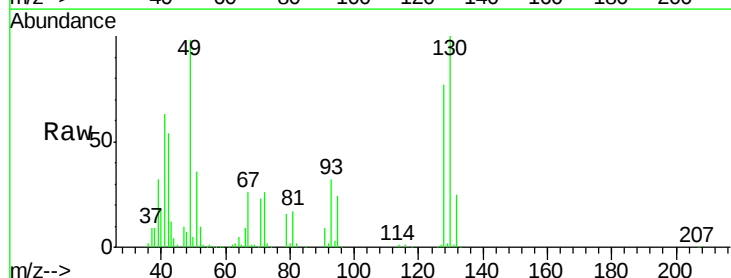
Tgt Ion: 49 Resp: 485782

Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.6

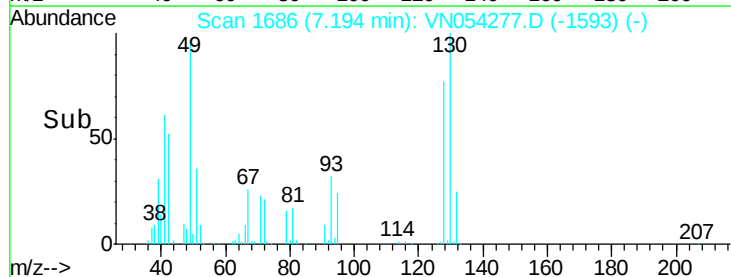
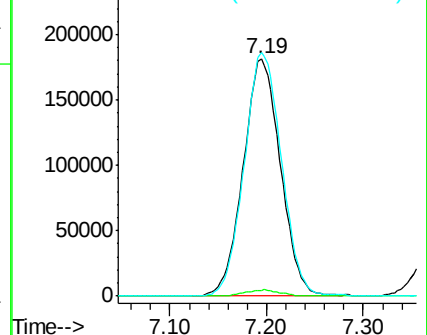
130 102.8 76.7 115.1

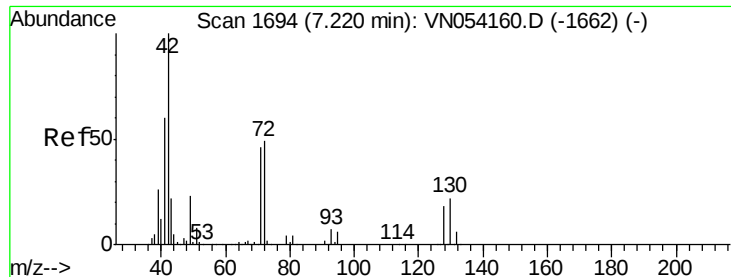


Abundance Ion 48.90 (48.60 to 49.60): VN054160.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN054160.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN054160.D (-1663) (-)

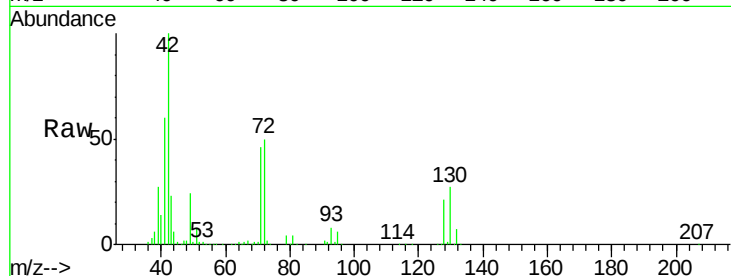




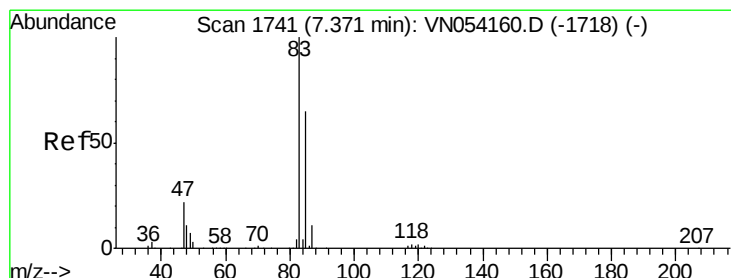
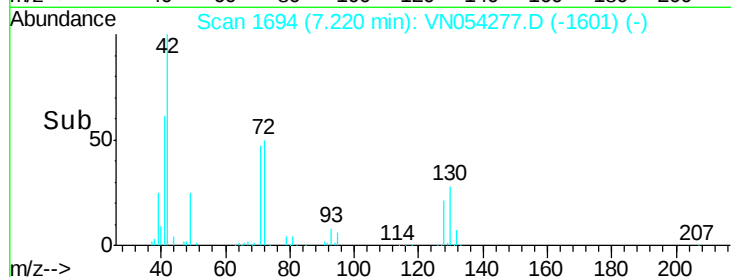
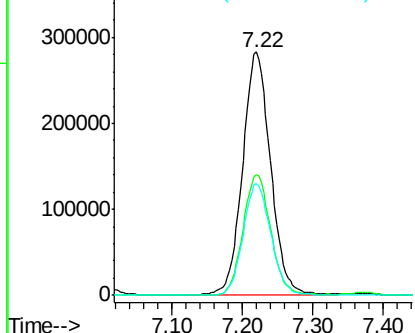
#29
Tetrahydrofuran
Concen: 242.648 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 780302
Ion Ratio Lower Upper
42 100
72 49.0 37.8 56.6
71 45.8 36.2 54.2

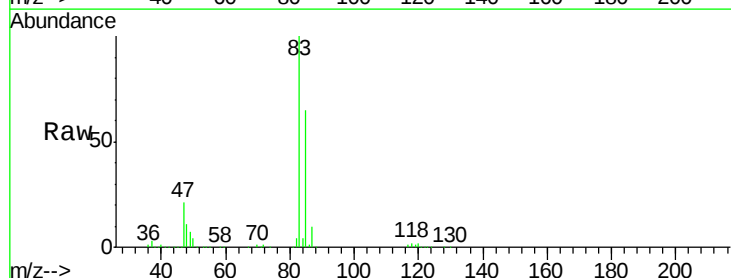


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

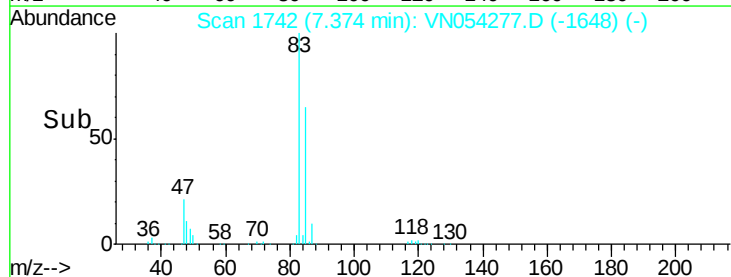
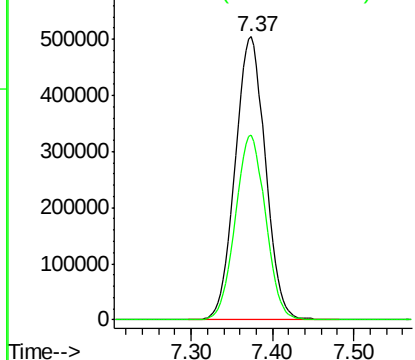


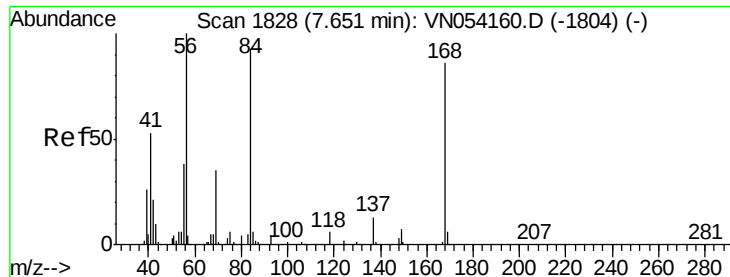
#30
Chloroform
Concen: 52.068 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

Tgt Ion: 83 Resp: 1300610
Ion Ratio Lower Upper
83 100
85 65.2 52.2 78.4



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

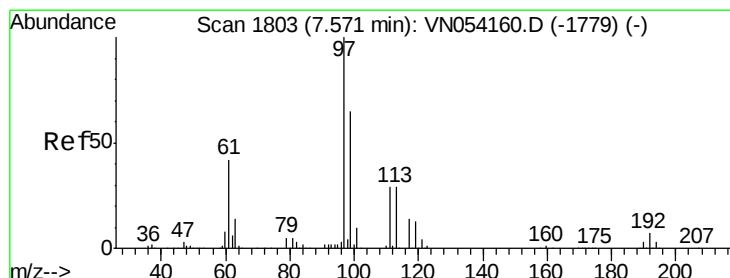
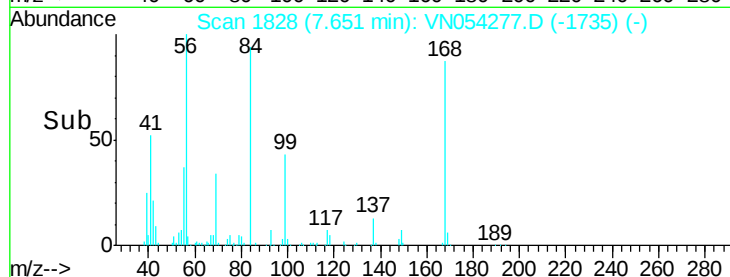
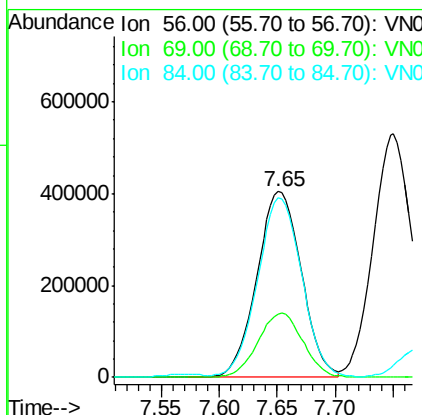
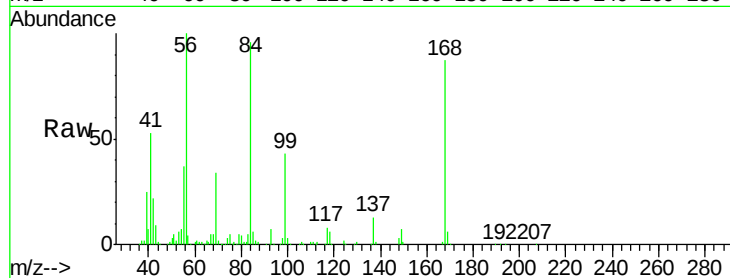




#31
Cyclohexane
Concen: 48.251 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

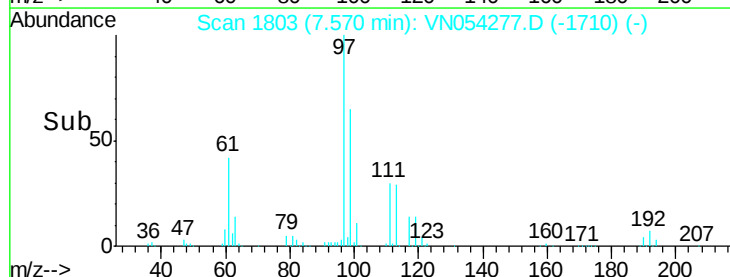
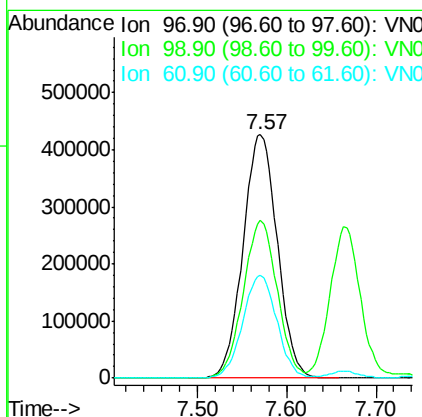
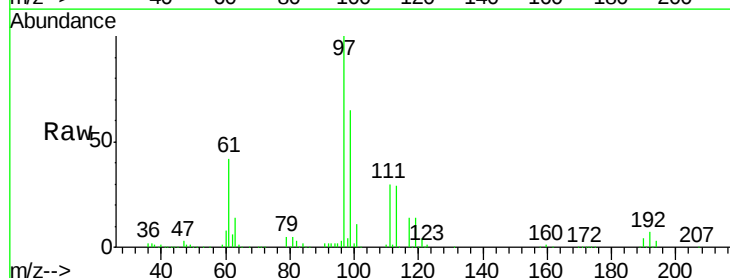
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

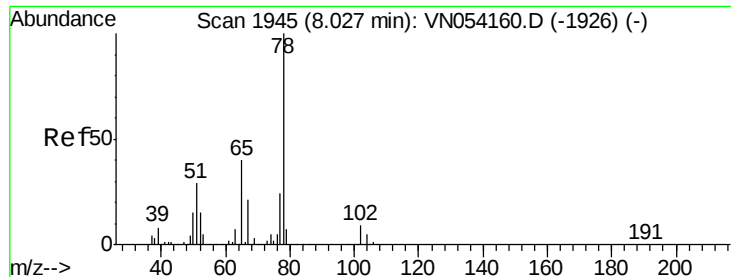
Tot Ion: 56 Resp: 1080807
Ion Ratio Lower Upper
56 100
69 34.1 27.8 41.6
84 94.8 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 50.657 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

Tgt Ion: 97 Resp: 1142782
Ion Ratio Lower Upper
97 100
99 64.2 51.5 77.3
61 41.9 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 50.381 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

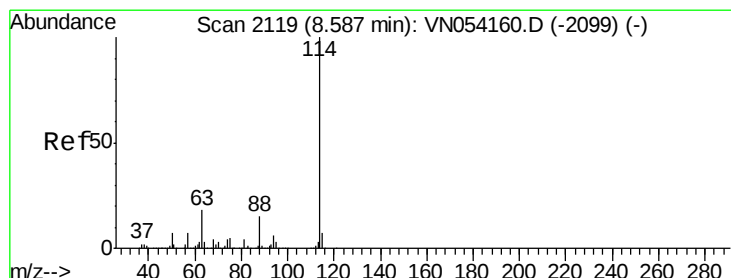
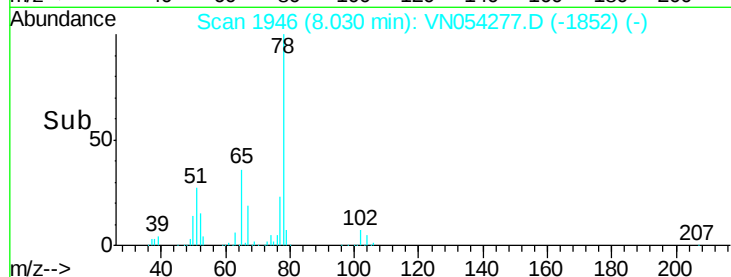
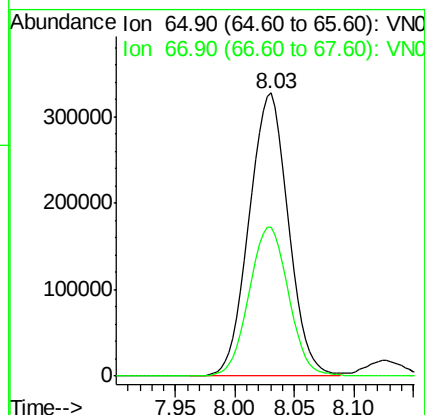
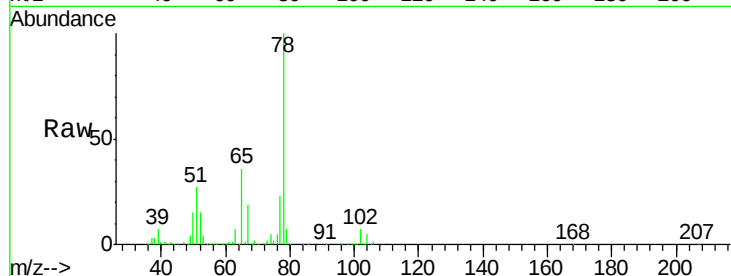
VSTDCCC050EC

Tot Ion: 65 Resp: 749825

Ion Ratio Lower Upper

65 100

67 53.2 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

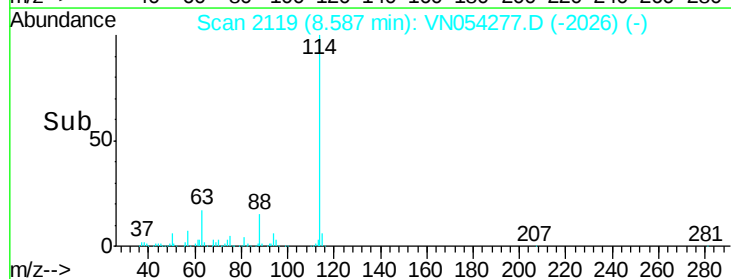
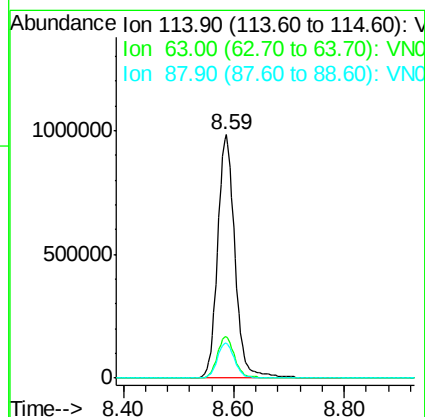
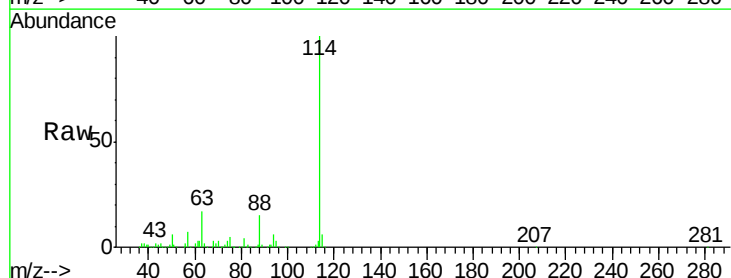
Tgt Ion: 114 Resp: 2128074

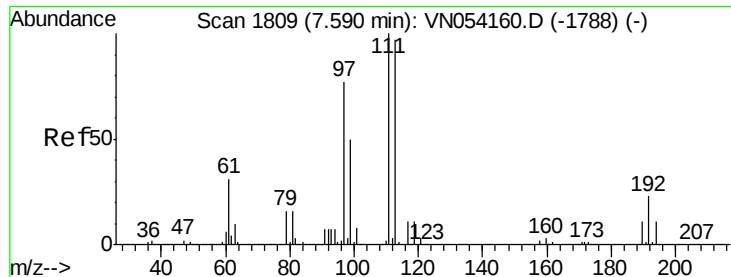
Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.2

88 14.6 0.0 30.2

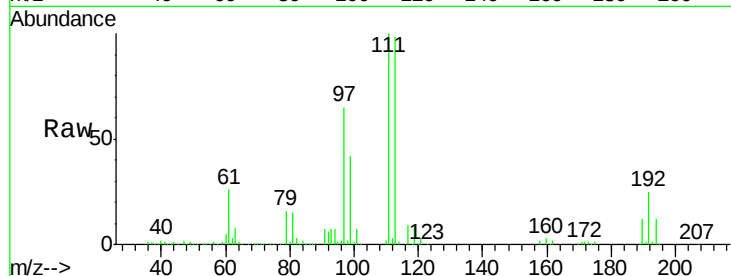




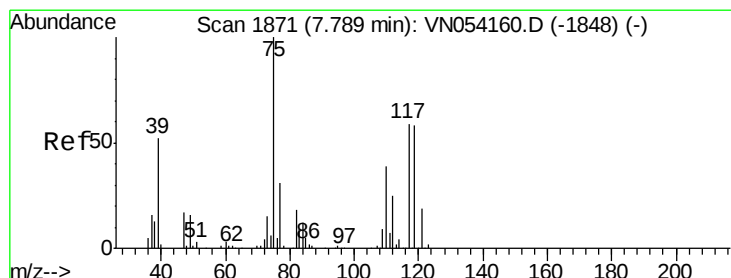
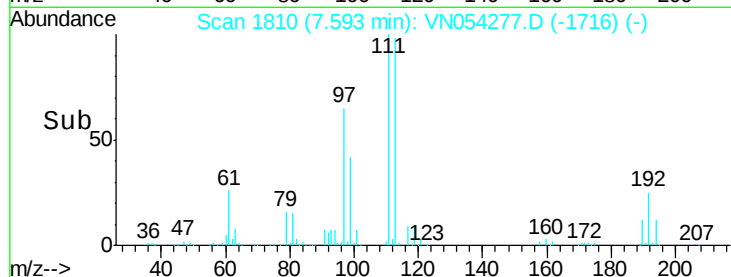
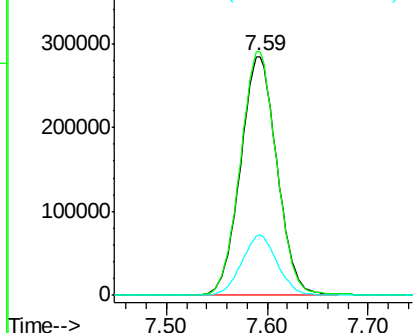
#35
Dibromofluoromethane
Concen: 51.934 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.4
192	24.5	19.2	28.8

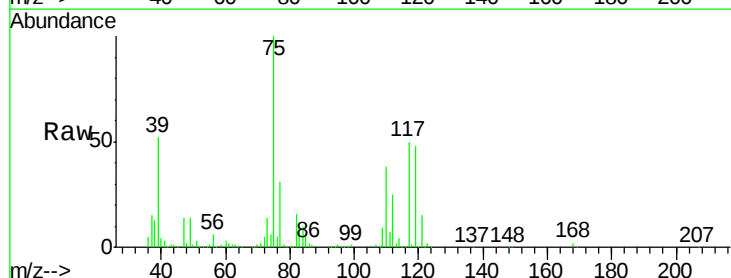


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

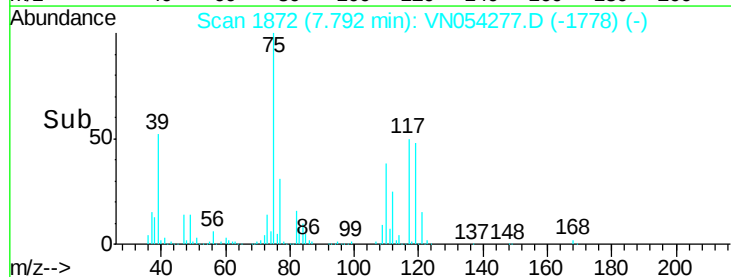
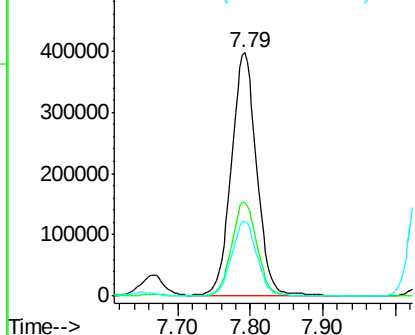


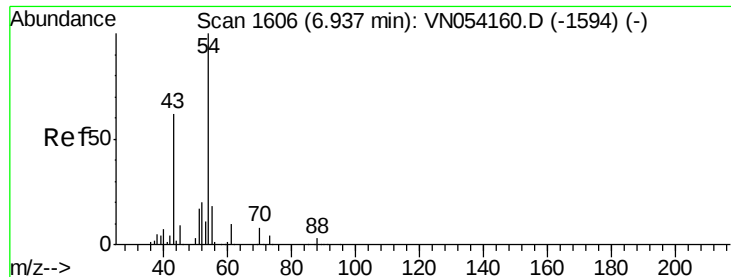
#36
1,1-Dichloropropene
Concen: 49.121 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.0	19.1	57.5
77	31.3	25.0	37.4



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

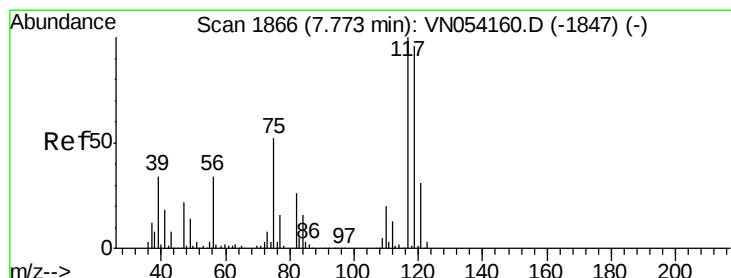
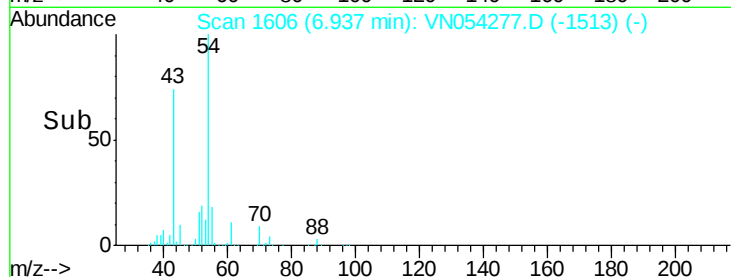
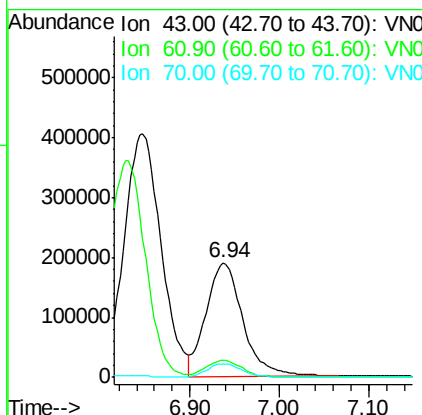
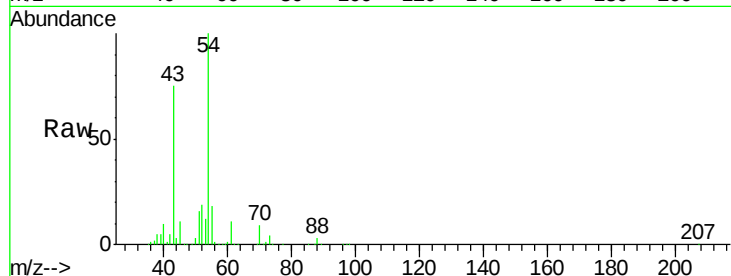




#37
Ethyl Acetate
Concen: 48.001 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

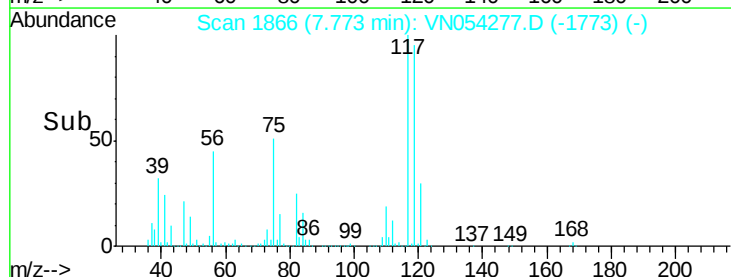
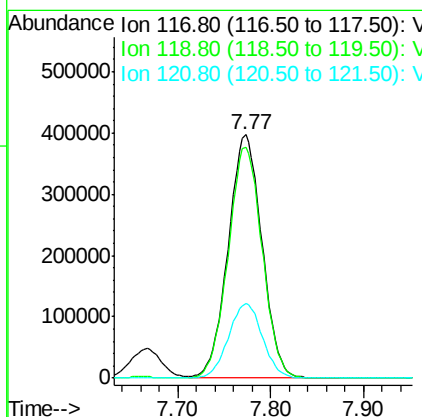
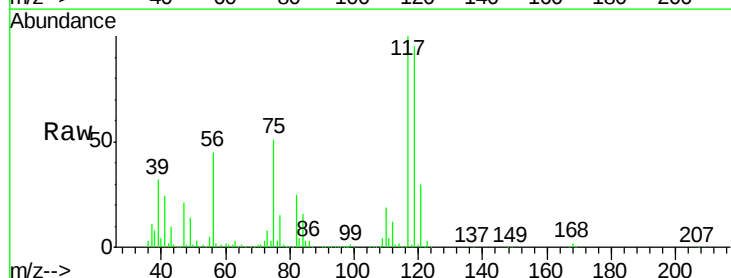
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

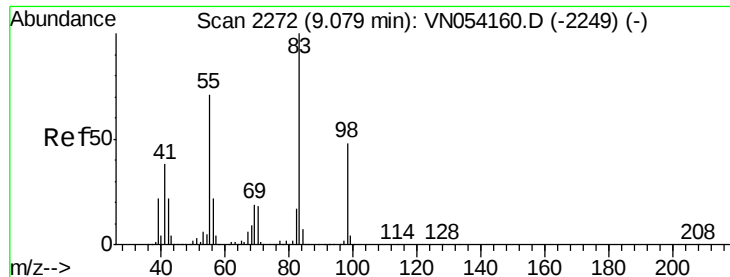
Tot Ion: 43 Resp: 540527
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.6
70 11.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 48.640 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

Tgt Ion: 117 Resp: 999645
Ion Ratio Lower Upper
117 100
119 94.8 76.3 114.5
121 30.4 24.6 36.8

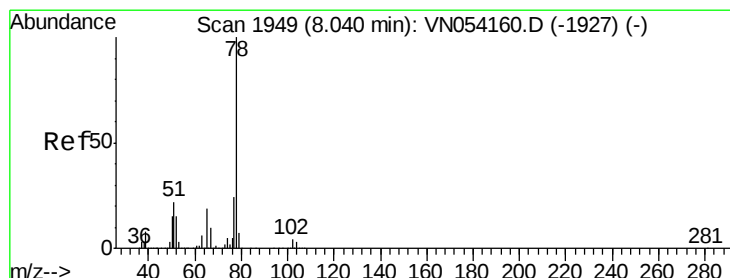
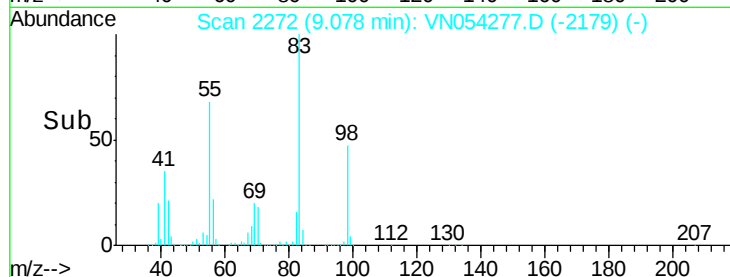
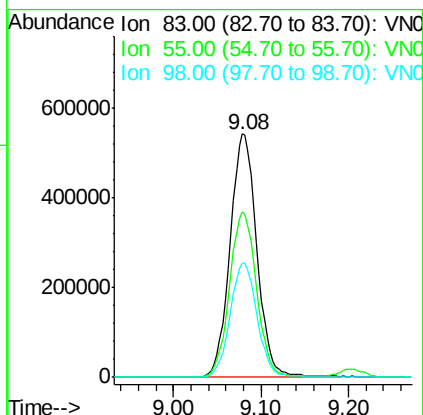
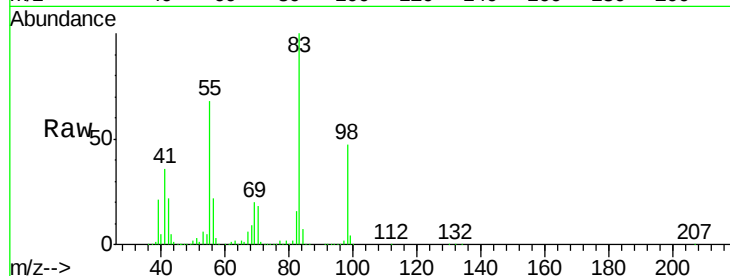




#39
Methvlcvclohexane
Concen: 48.023 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

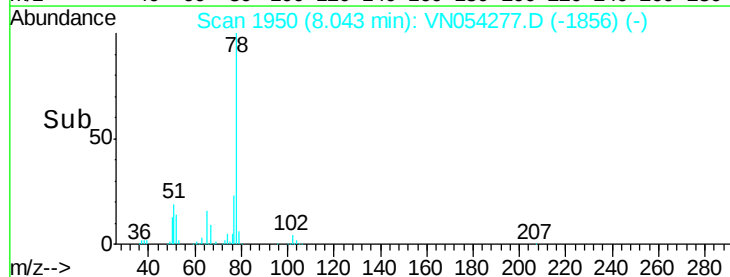
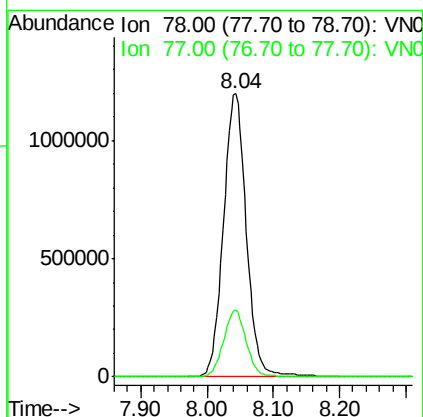
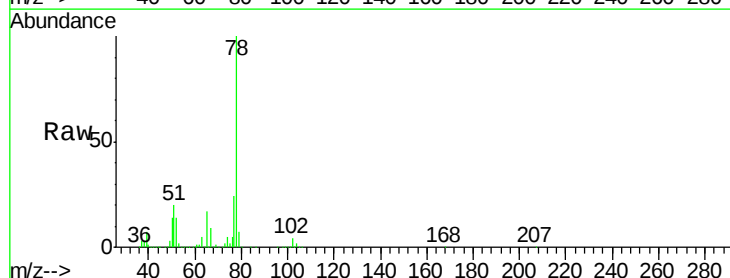
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

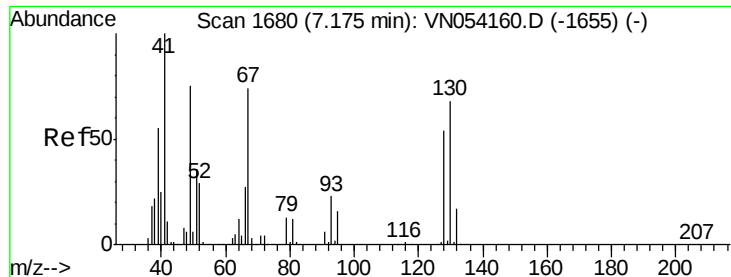
Tot Ion: 83 Resp: 1157960
Ion Ratio Lower Upper
83 100
55 68.0 56.6 84.8
98 47.1 38.4 57.6



#40
Benzene
Concen: 51.178 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

Tgt Ion: 78 Resp: 2870095
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7

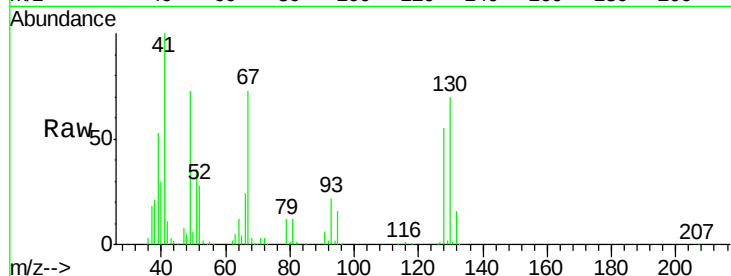




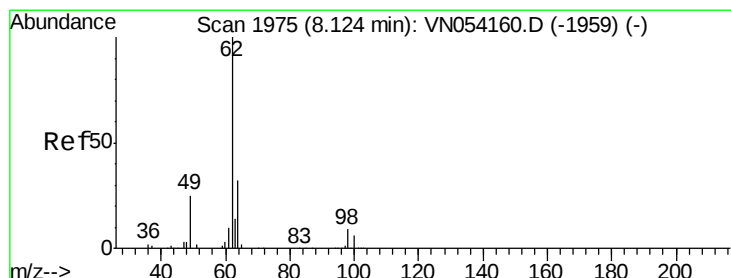
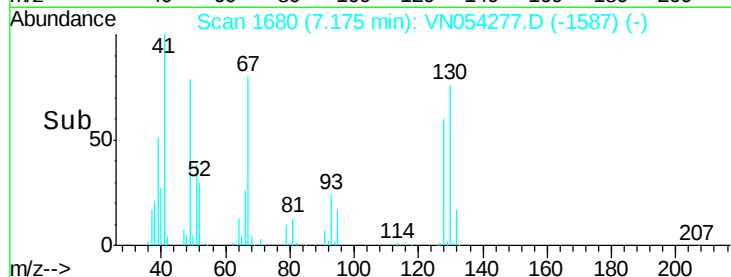
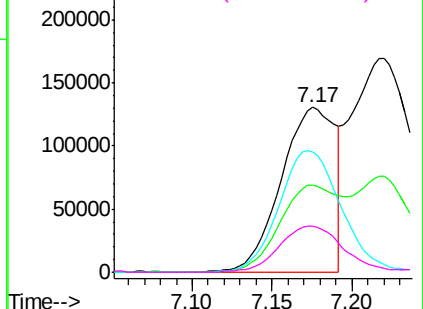
#41
Methacrylonitrile
Concen: 47.710 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 306752
Ion Ratio Lower Upper
41 100
39 61.0 46.8 70.2
67 85.0 67.0 100.4
52 33.6 26.5 39.7

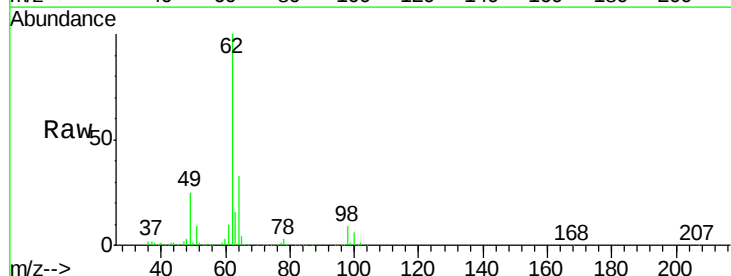


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

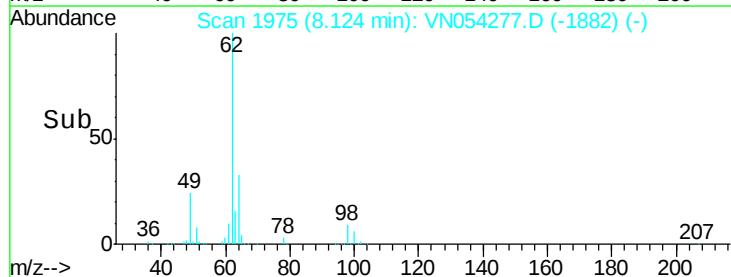
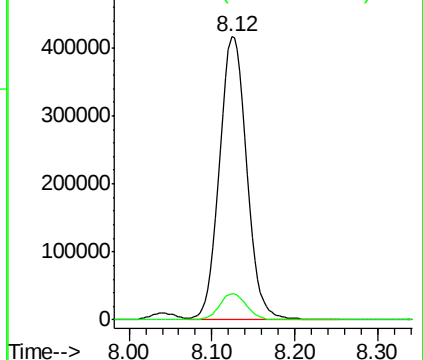


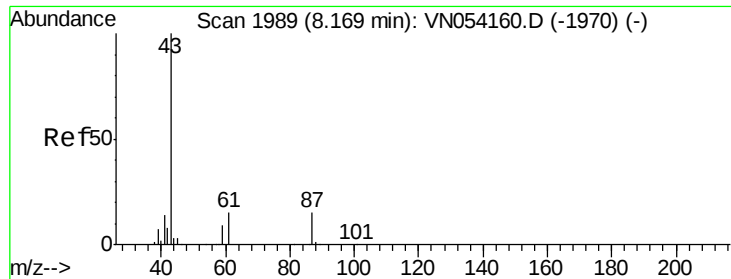
#42
1,2-Dichloroethane
Concen: 50.110 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

Tgt Ion: 62 Resp: 948769
Ion Ratio Lower Upper
62 100
98 9.3 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 47.220 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

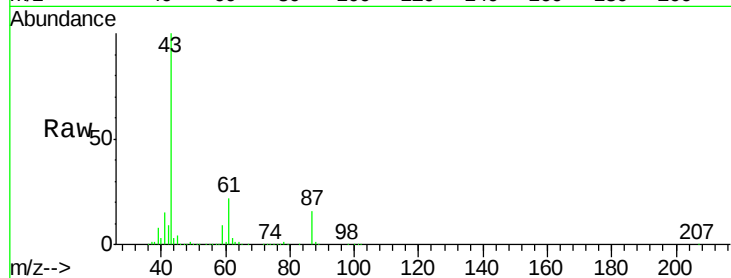
Tot Ion: 43 Resp: 933335

Ion Ratio Lower Upper

43 100

61 20.9 15.8 23.8

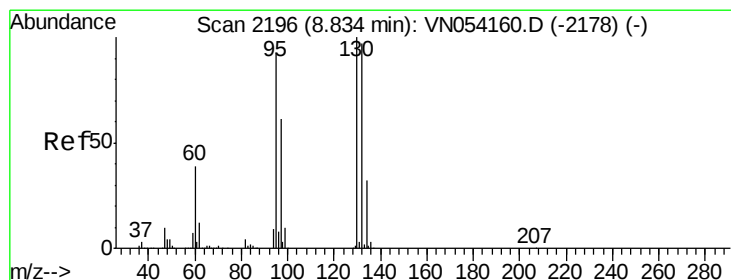
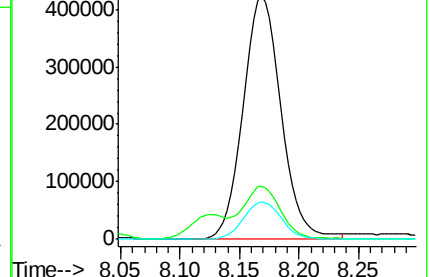
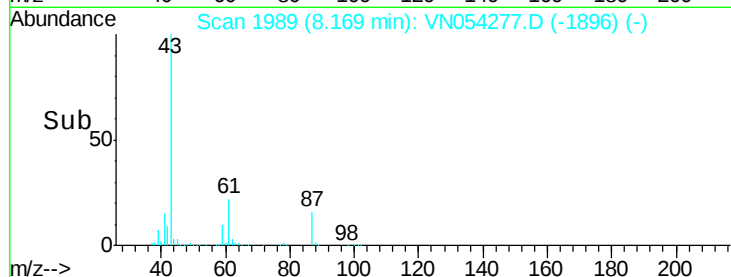
87 15.6 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN054277.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054277.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054277.D (-1896) (-)



#44

Trichloroethene

Concen: 50.713 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054277.D

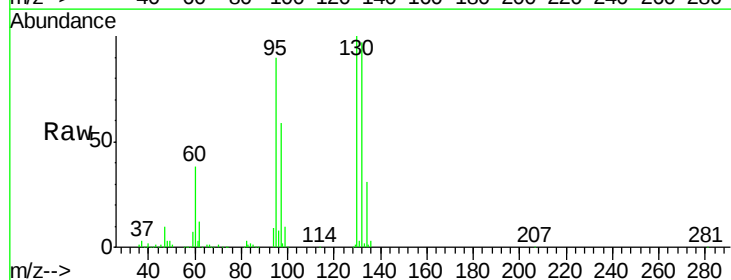
Acq: 14 Mar 2019 22:10

Tgt Ion:130 Resp: 883499

Ion Ratio Lower Upper

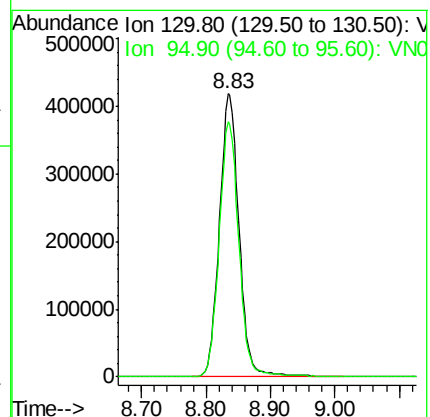
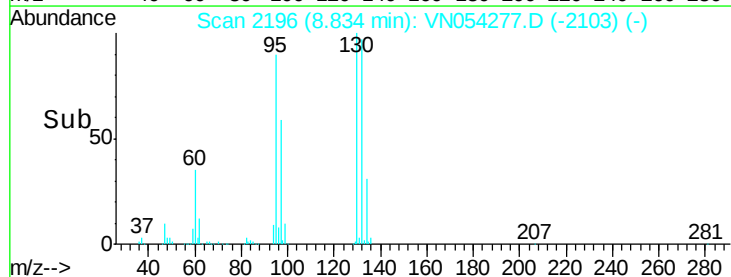
130 100

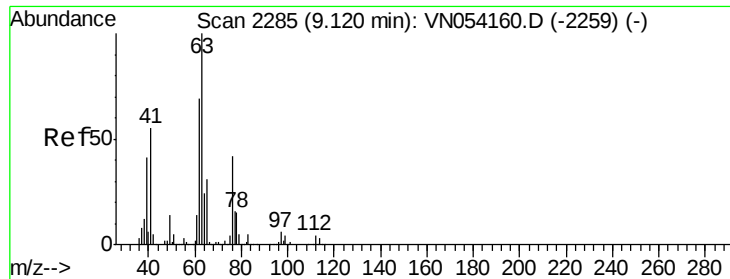
95 90.0 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054277.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054277.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 51.837 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

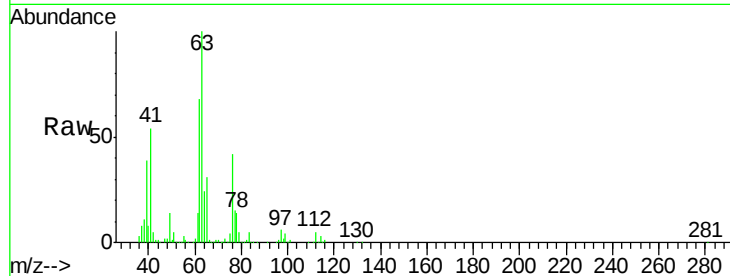
VSTDCCC050EC

Tot Ion: 63 Resp: 721848

Ion Ratio Lower Upper

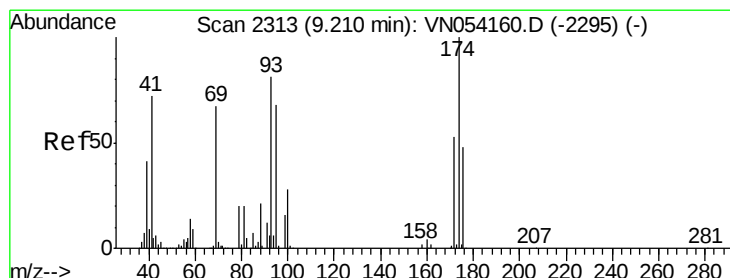
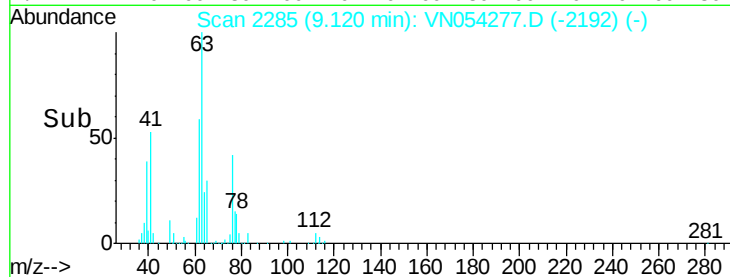
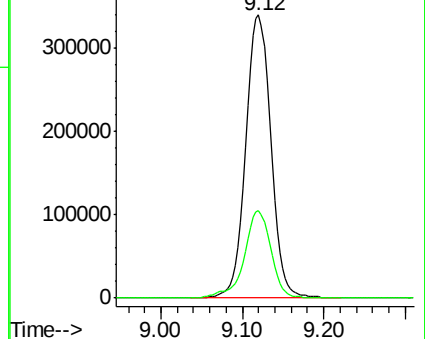
63 100

65 30.8 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN054277.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN054277.D (-2192) (-)



#46

Dibromomethane

Concen: 50.490 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

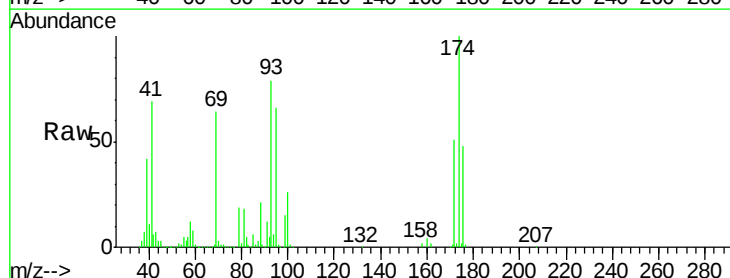
Tgt Ion: 93 Resp: 475054

Ion Ratio Lower Upper

93 100

95 82.6 66.7 100.1

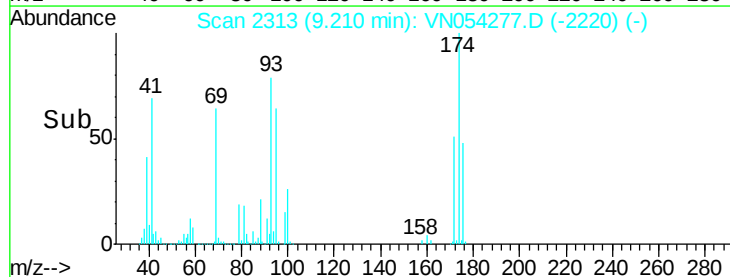
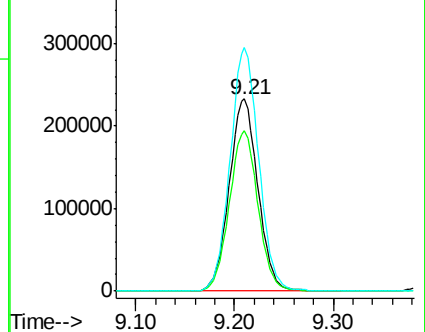
174 125.7 98.5 147.7

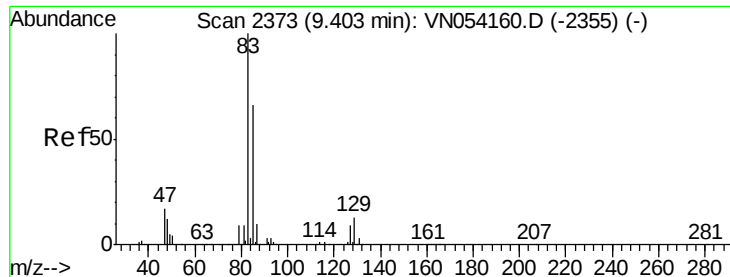


Abundance Ion 92.80 (92.50 to 93.50): VN054277.D (-2220) (-)

Ion 94.80 (94.50 to 95.50): VN054277.D (-2220) (-)

Ion 173.70 (173.40 to 174.40): VN054277.D (-2220) (-)





#47

Bromodichloromethane

Concen: 50.930 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

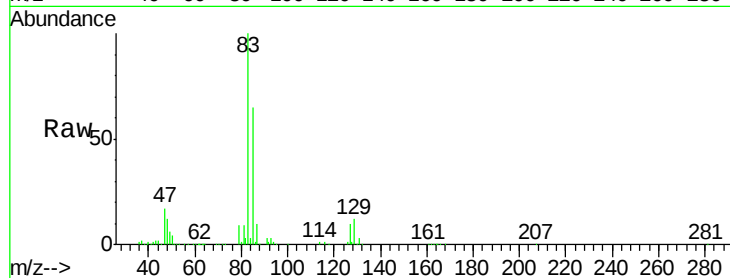
Tot Ion: 83 Resp: 960660

Ion Ratio Lower Upper

83 100

85 64.7 52.8 79.2

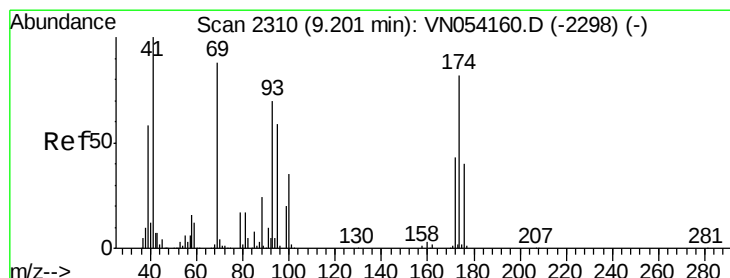
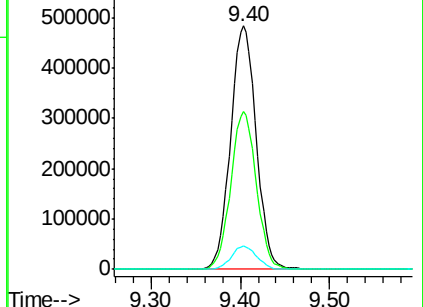
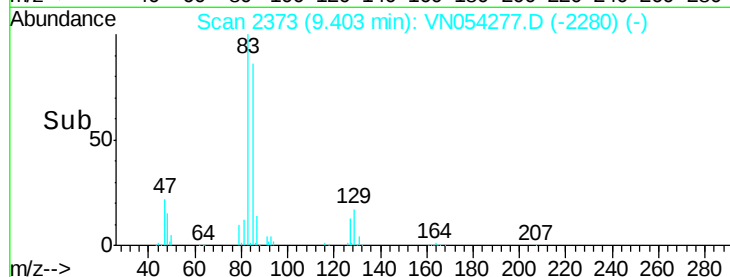
127 9.6 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054277.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054277.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054277.D (-2280) (-)



#48

Methyl methacrylate

Concen: 49.177 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

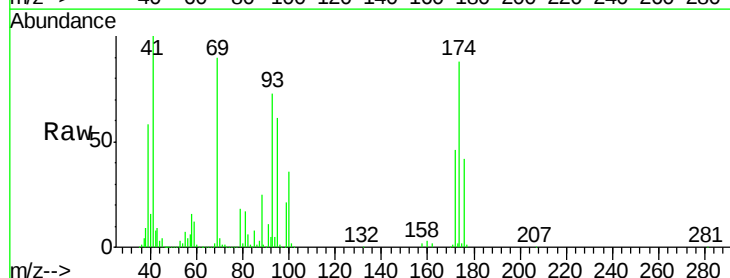
Tgt Ion: 41 Resp: 493276

Ion Ratio Lower Upper

41 100

69 94.6 72.6 108.8

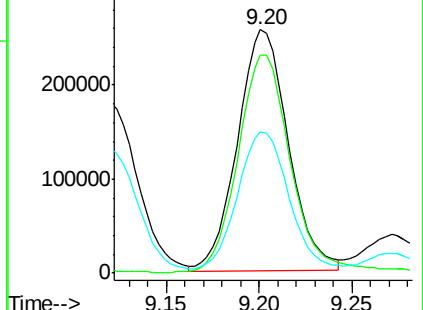
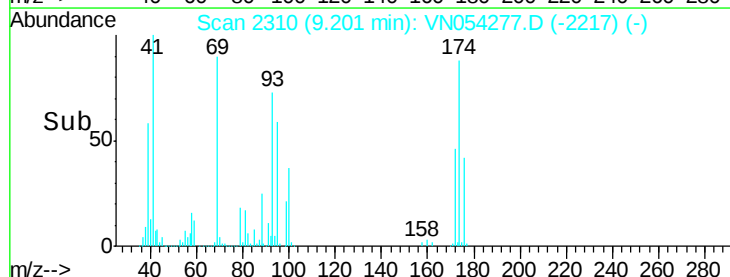
39 60.0 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VN054277.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054277.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054277.D (-2217) (-)





#49

1,4-Dioxane

Concen: 999.594 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

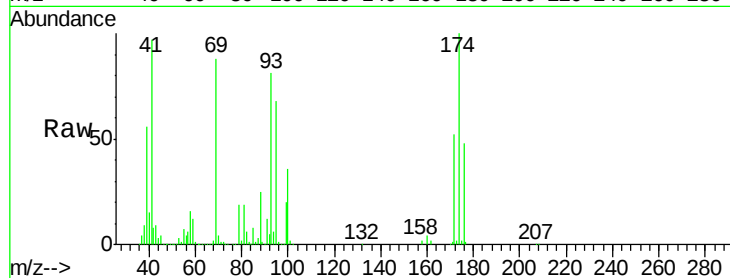
Tot Ion: 88 Resp: 141825

Ion Ratio Lower Upper

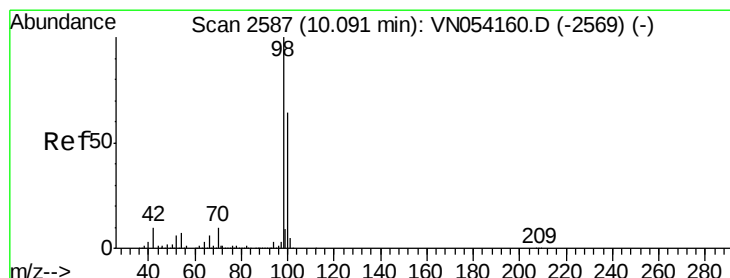
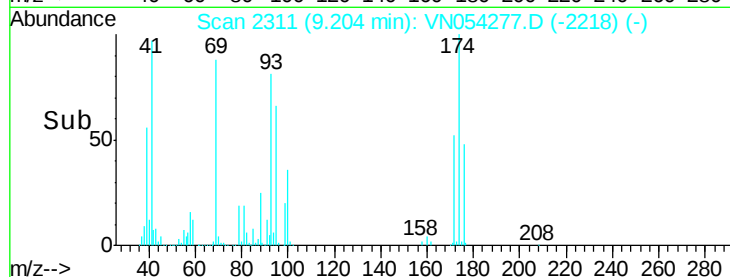
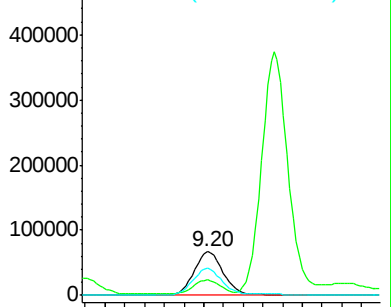
88 100

43 30.3 24.1 36.1

58 61.3 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.574 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054277.D

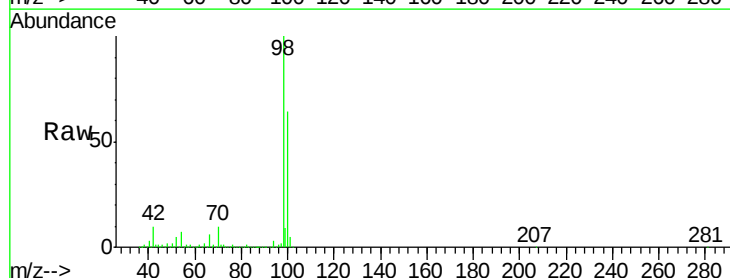
Acq: 14 Mar 2019 22:10

Tgt Ion: 98 Resp: 2563541

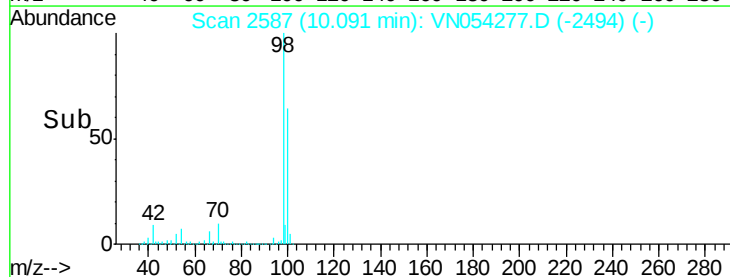
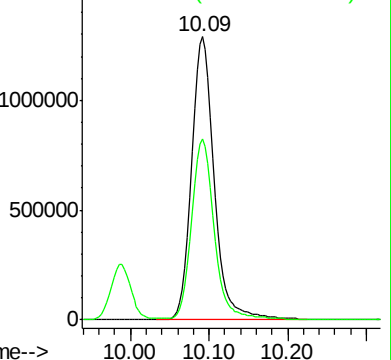
Ion Ratio Lower Upper

98 100

100 64.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 251.721 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

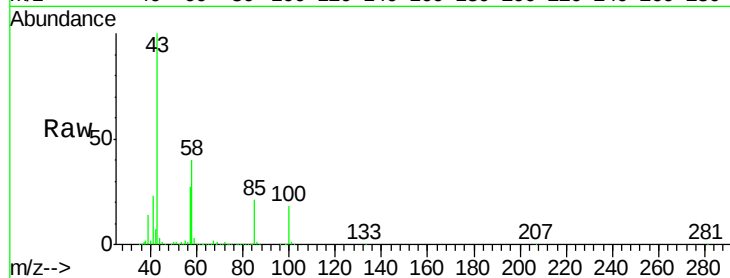
VSTDCCC050EC

Tot Ion: 43 Resp: 2633010

Ion Ratio Lower Upper

43 100

58 40.3 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1500000

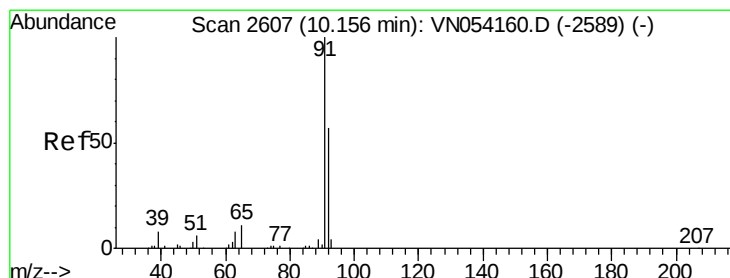
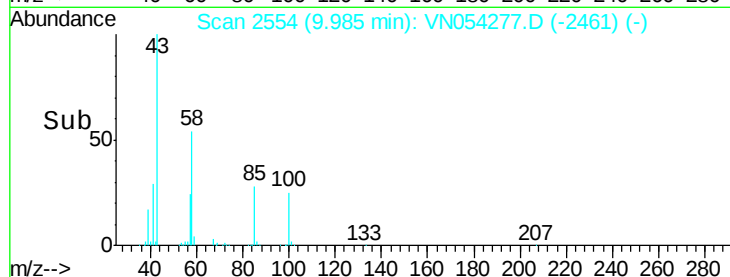
1000000

500000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 51.327 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054277.D

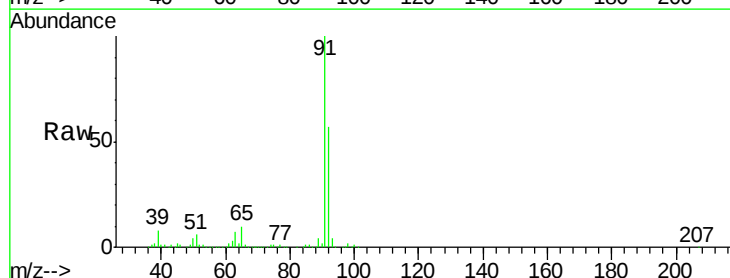
Acq: 14 Mar 2019 22:10

Tgt Ion: 92 Resp: 1825125

Ion Ratio Lower Upper

92 100

91 175.5 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

1500000

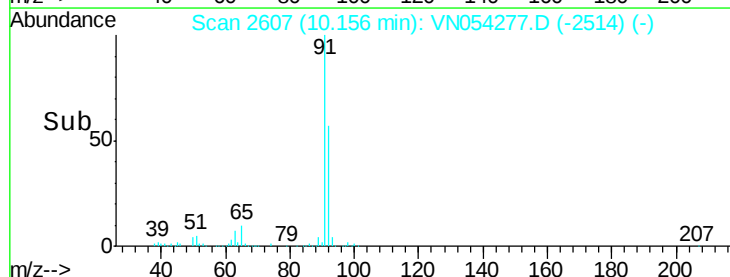
1000000

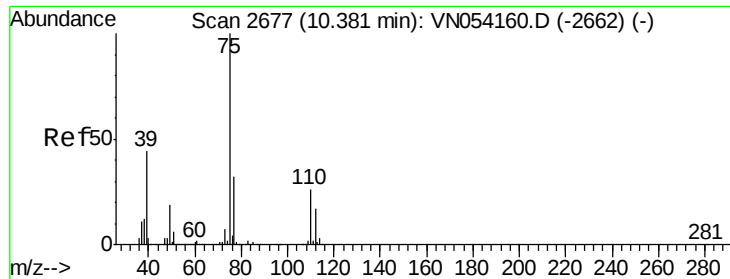
500000

0

10.00 10.20 10.40

Time-->





#53

t-1,3-Dichloropropene

Concen: 42.266 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

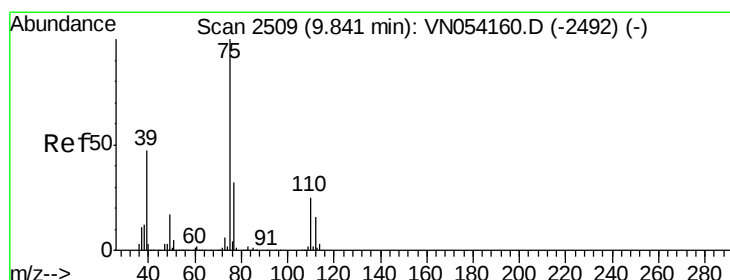
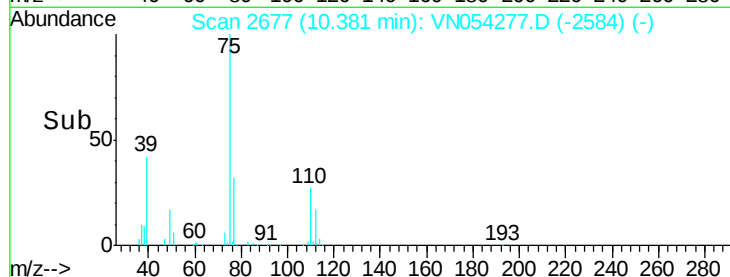
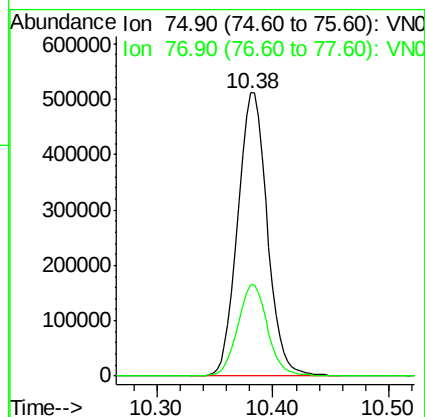
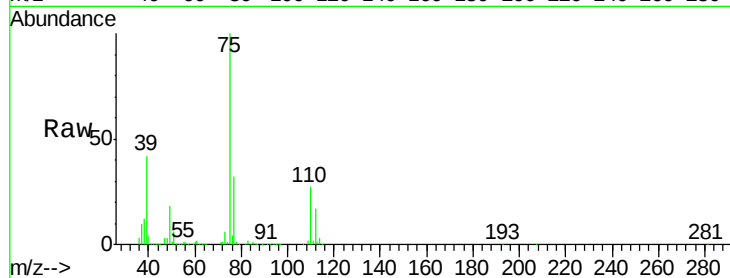
VSTDCCC050EC

Tot Ion: 75 Resp: 904938

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 49.240 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

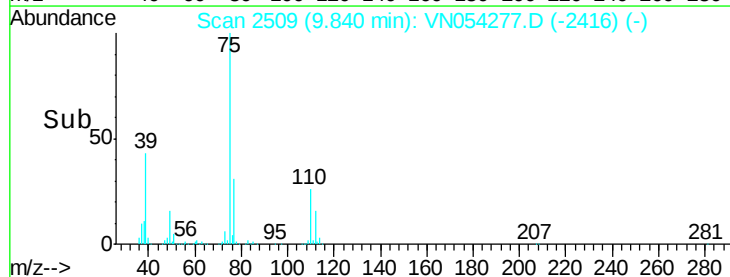
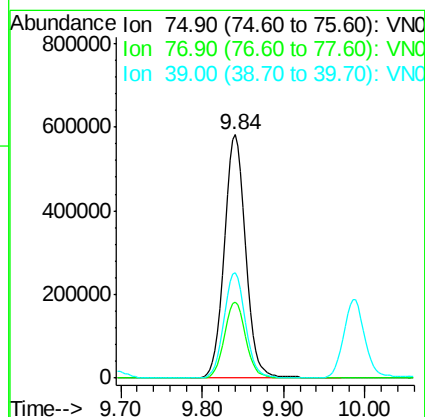
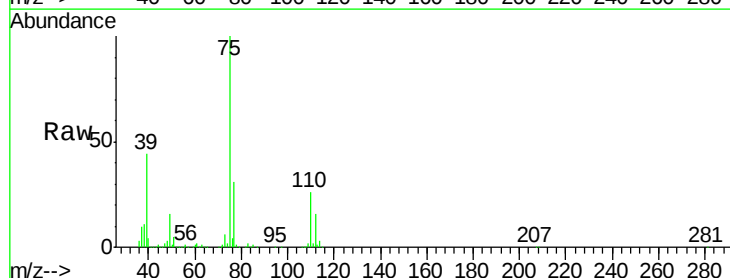
Tgt Ion: 75 Resp: 1082304

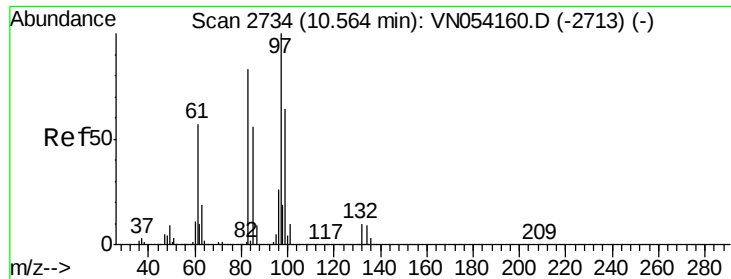
Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 43.5 37.2 55.8

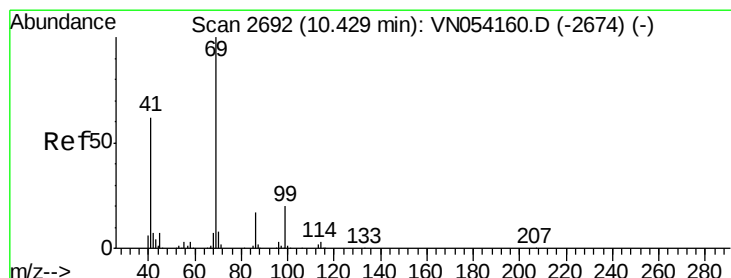
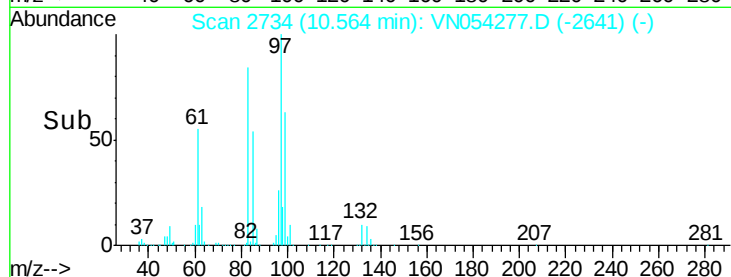
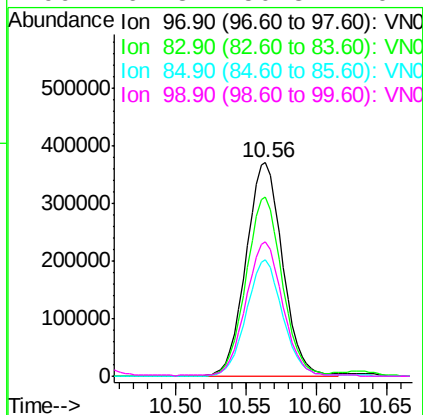
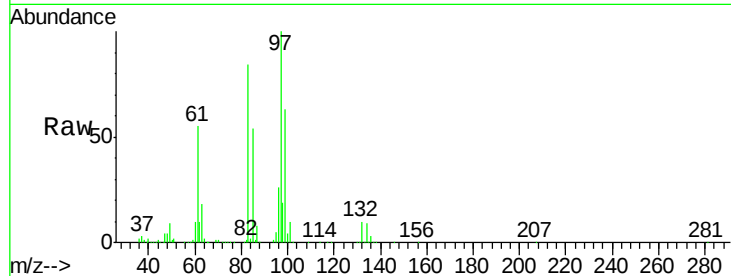




#55
 1,1,2-Trichloroethane
 Concen: 52.019 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN054277.D
 Acq: 14 Mar 2019 22:10

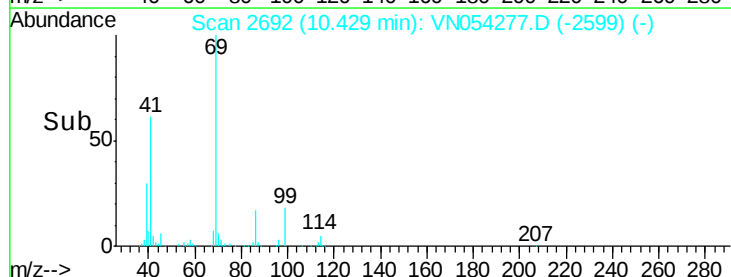
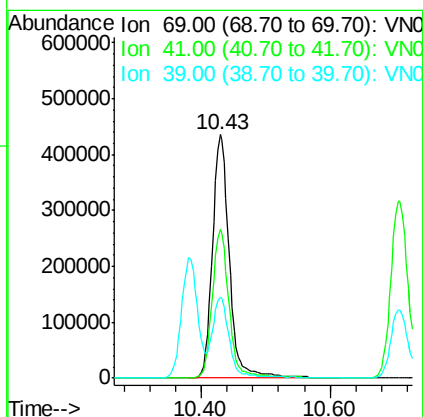
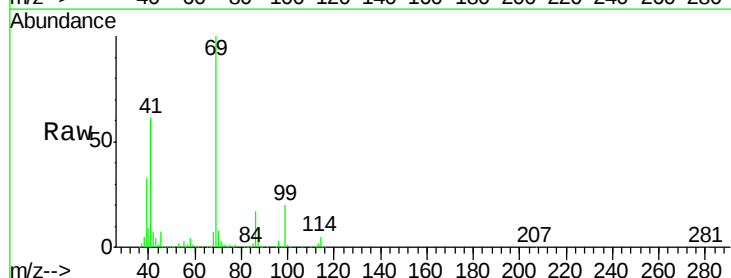
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

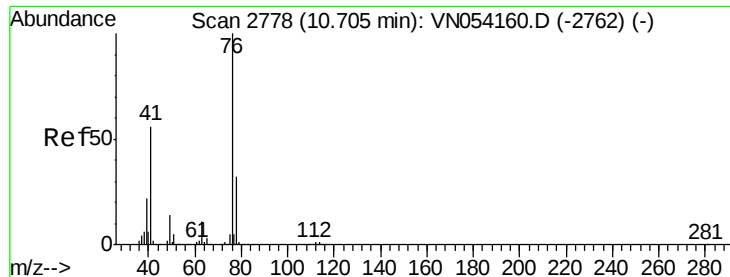
Tot Ion:	97	Resp:	675410
Ion	Ratio	Lower	Upper
97	100		
83	83.7	66.6	100.0
85	54.5	44.4	66.6
99	62.8	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 51.117 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054277.D
 Acq: 14 Mar 2019 22:10

Tgt Ion:	69	Resp:	791372
Ion	Ratio	Lower	Upper
69	100		
41	59.6	49.4	74.2
39	32.9	28.3	42.5





#57

1,3-Dichloropropane

Concen: 51.439 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

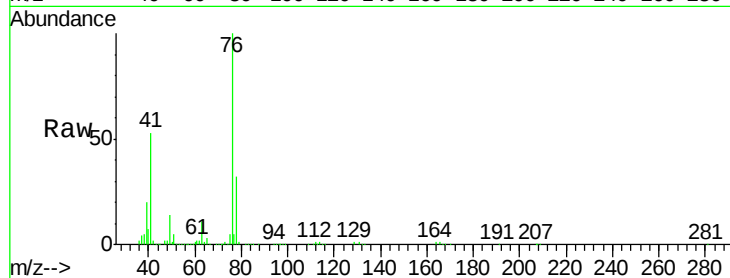
VSTDCCC050EC

Tot Ion: 76 Resp: 1092087

Ion Ratio Lower Upper

76 100

78 32.4 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

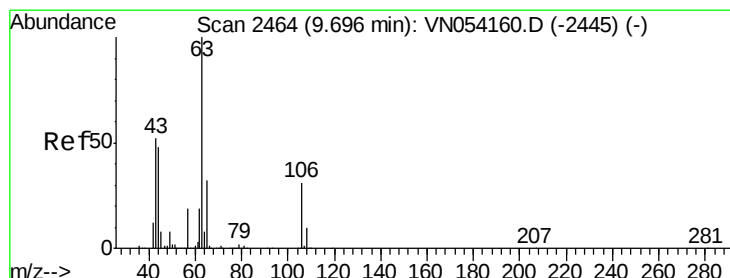
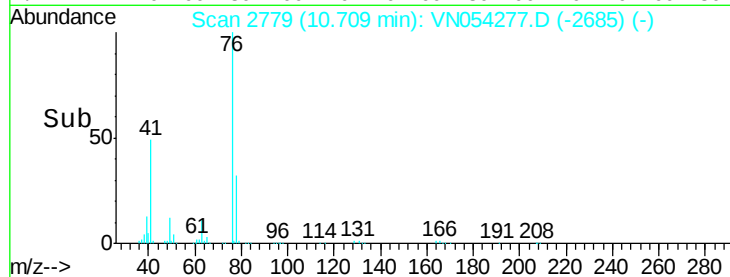
600000

400000

200000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 225.861 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054277.D

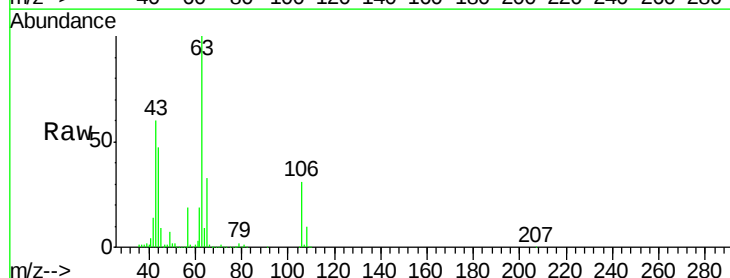
Acq: 14 Mar 2019 22:10

Tgt Ion: 63 Resp: 1505322

Ion Ratio Lower Upper

63 100

106 30.8 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

800000

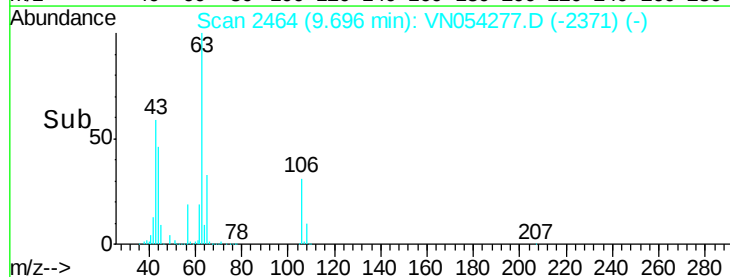
600000

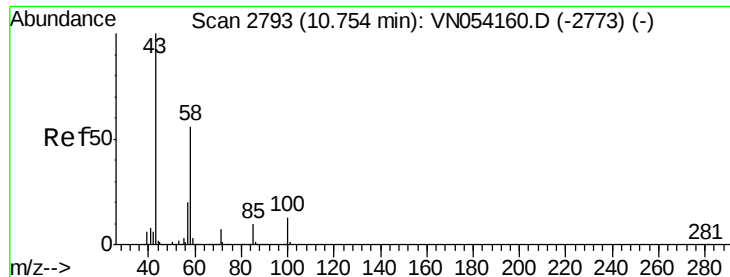
400000

200000

0

Time--> 9.60 9.70 9.80

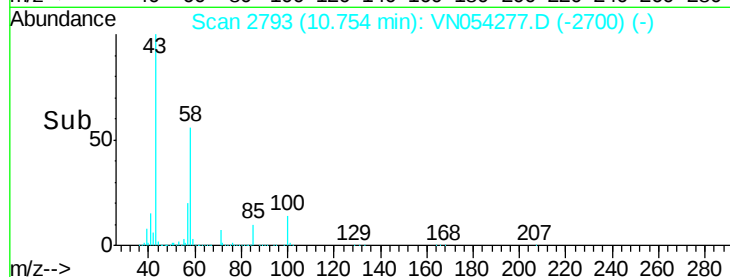
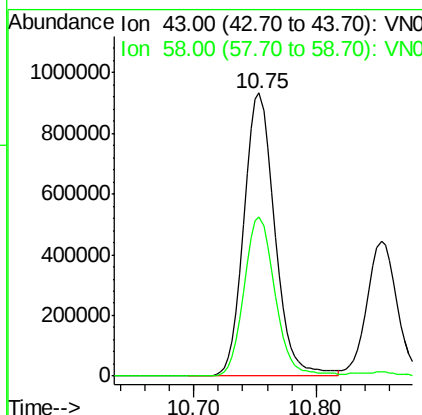
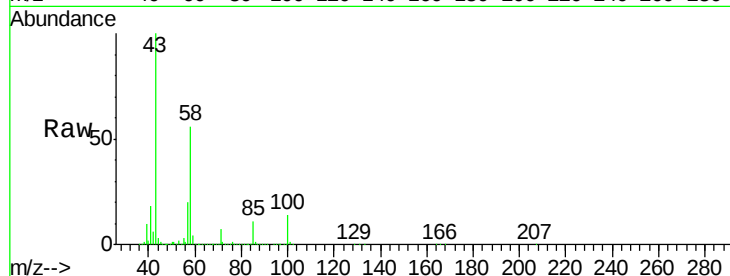




#59
2-Hexanone
Concen: 232.365 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

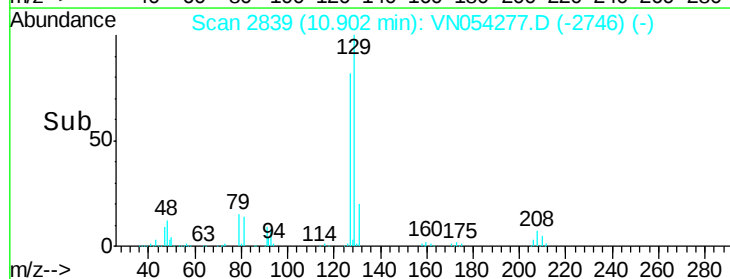
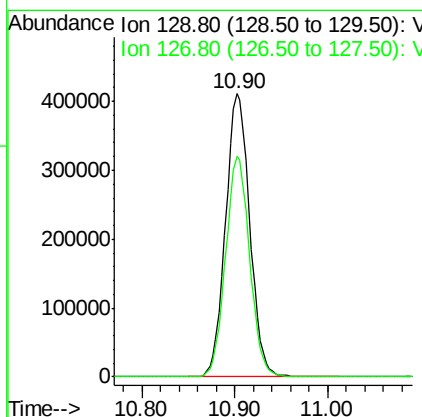
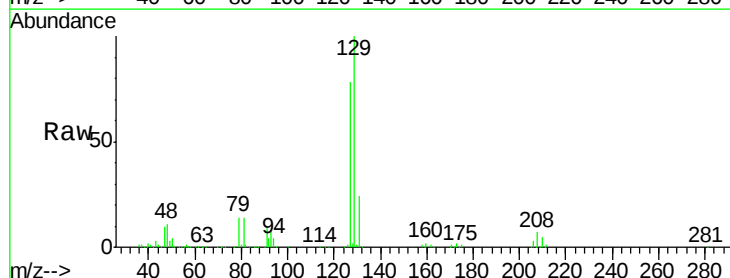
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

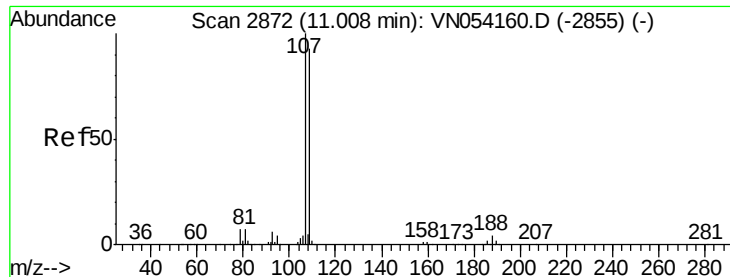
Tot Ion: 43 Resp: 1617275
Ion Ratio Lower Upper
43 100
58 56.7 28.0 83.9



#60
Dibromochloromethane
Concen: 50.989 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

Tgt Ion: 129 Resp: 745162
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 51.456 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

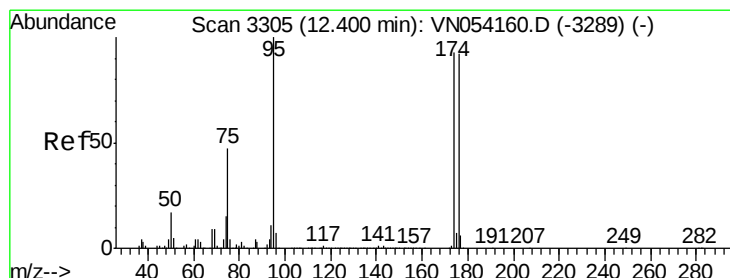
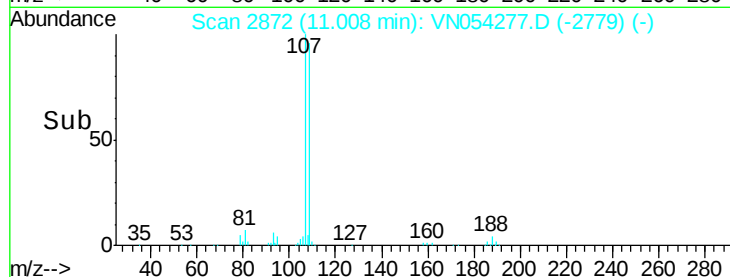
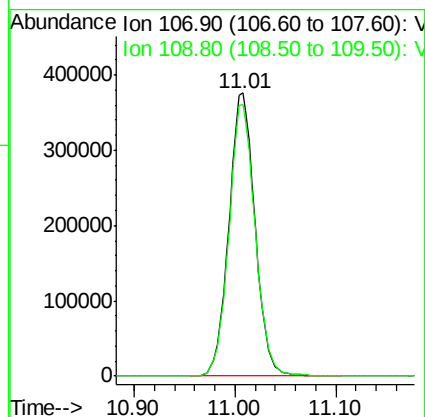
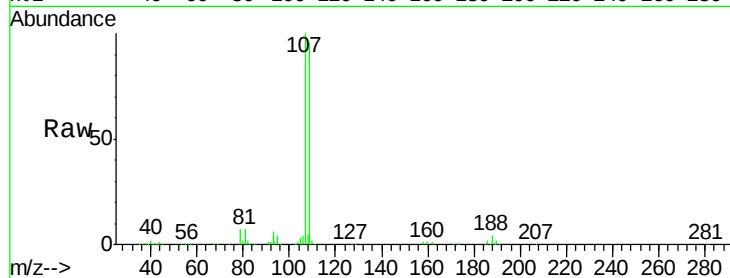
VSTDCCC050EC

Tot Ion:107 Resp: 678935

Ion Ratio Lower Upper

107 100

109 96.6 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 50.089 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

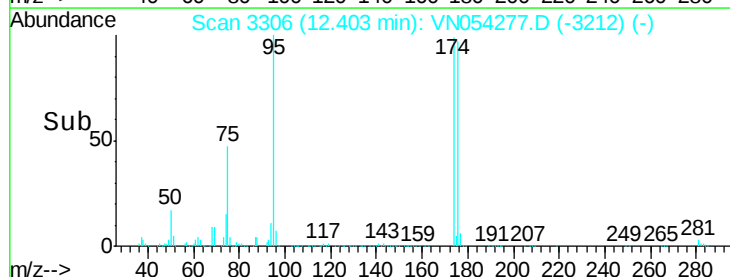
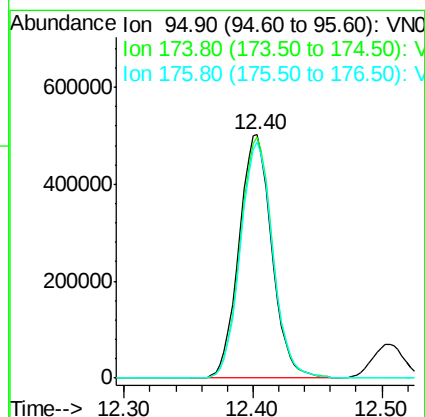
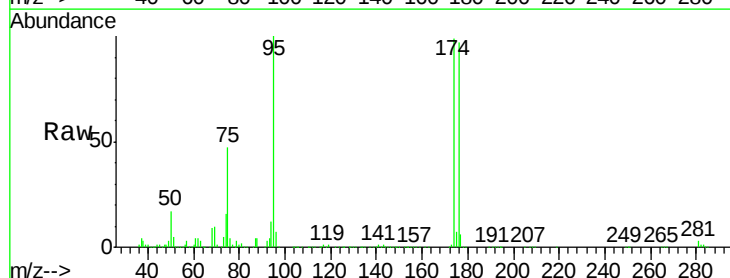
Tgt Ion: 95 Resp: 888395

Ion Ratio Lower Upper

95 100

174 98.2 0.0 191.0

176 96.1 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: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

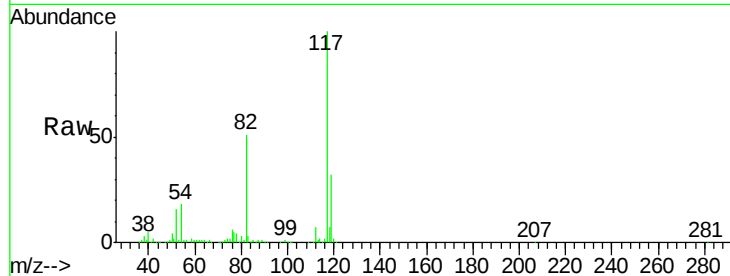
Tot Ion:117 Resp: 1869933

Ion Ratio Lower Upper

117 100

82 50.5 40.0 60.0

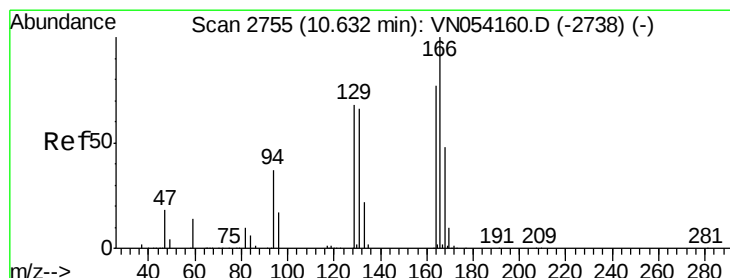
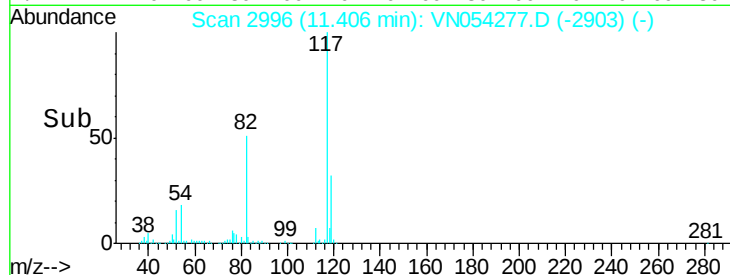
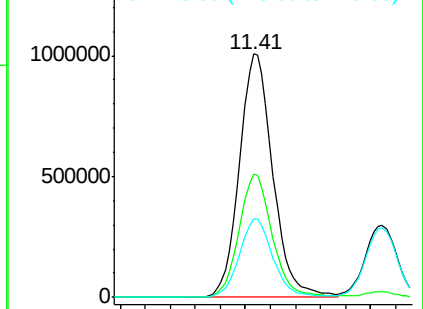
119 32.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 49.491 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Tgt Ion:164 Resp: 894762

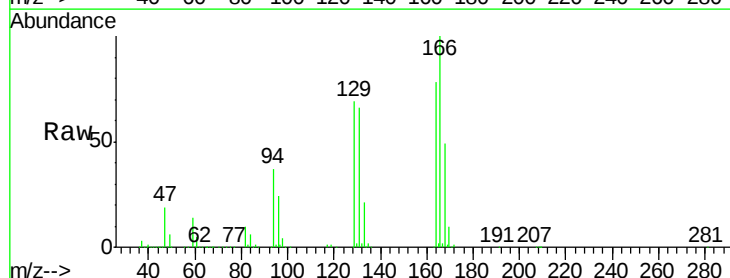
Ion Ratio Lower Upper

164 100

166 128.2 103.9 155.9

129 88.9 71.1 106.7

131 85.0 68.2 102.4

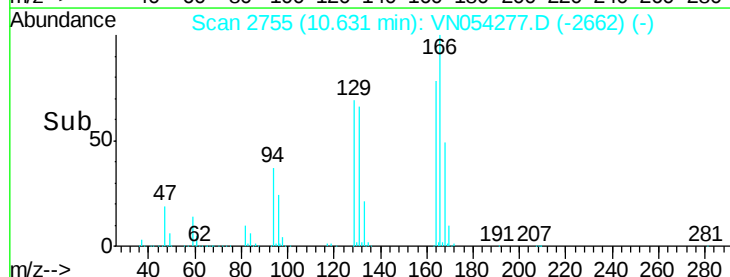
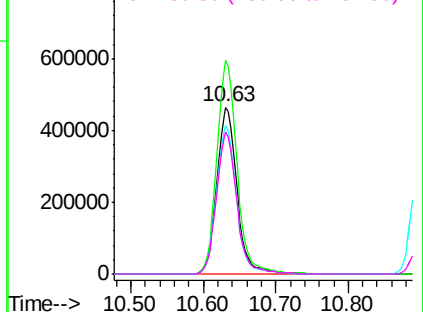


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 51.715 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

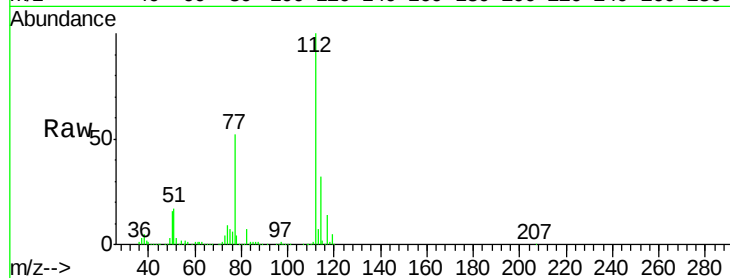
VSTDCCC050EC

Tot Ion:112 Resp: 2123368

Ion Ratio Lower Upper

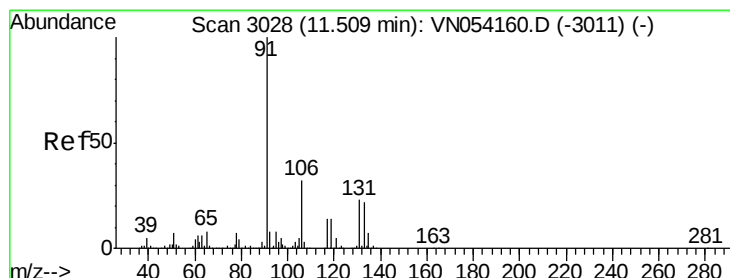
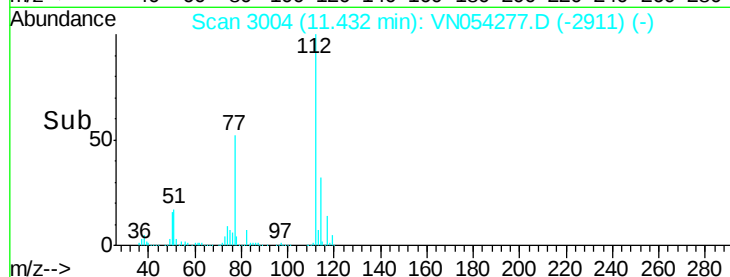
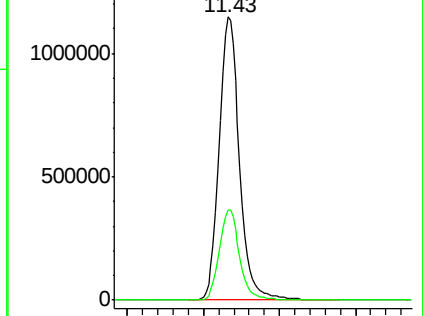
112 100

114 31.7 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.513 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

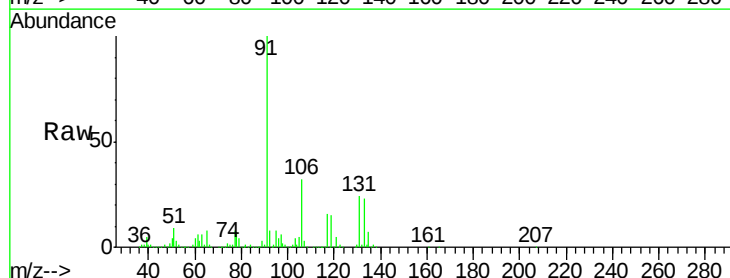
Tgt Ion:131 Resp: 783261

Ion Ratio Lower Upper

131 100

133 95.2 47.6 142.9

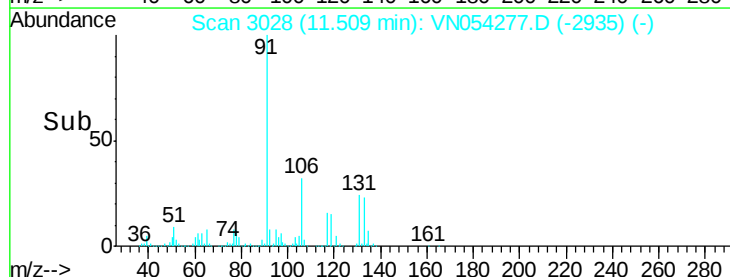
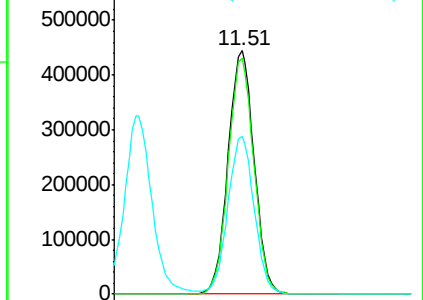
119 65.4 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

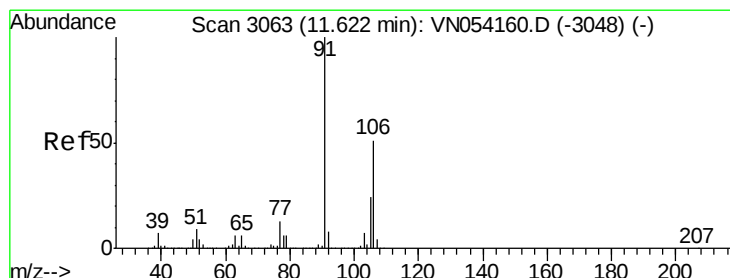
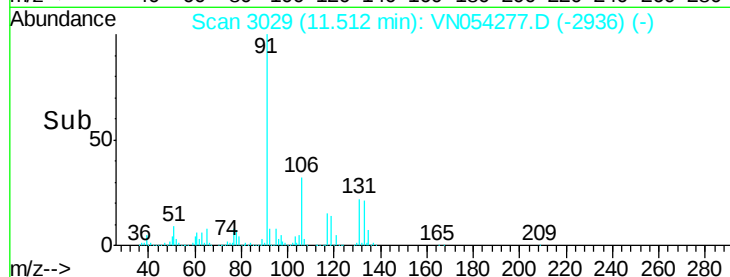
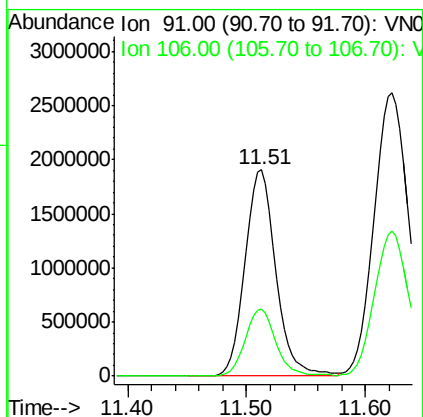
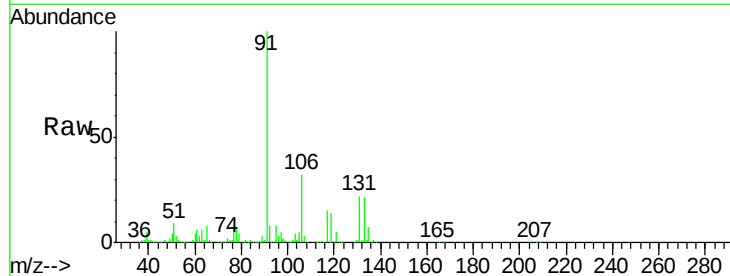




#67
Ethyl Benzene
Concen: 50.426 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

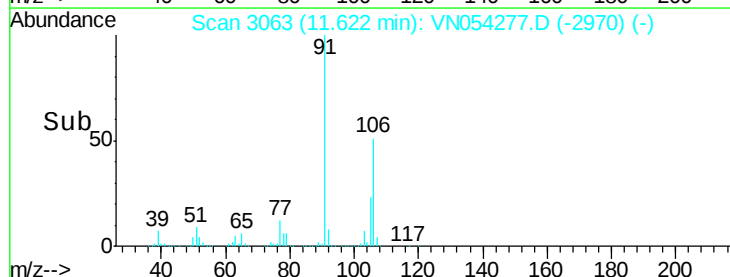
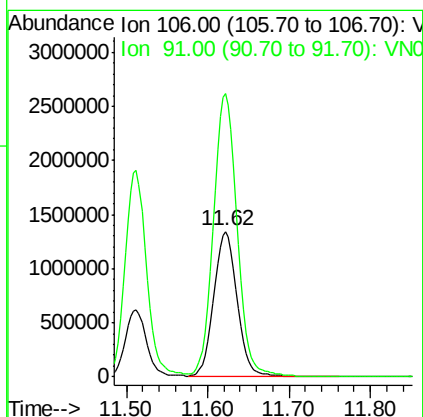
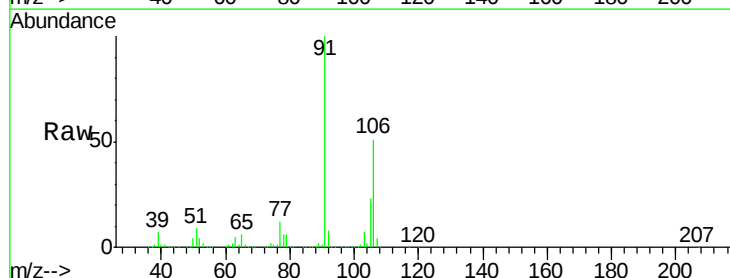
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

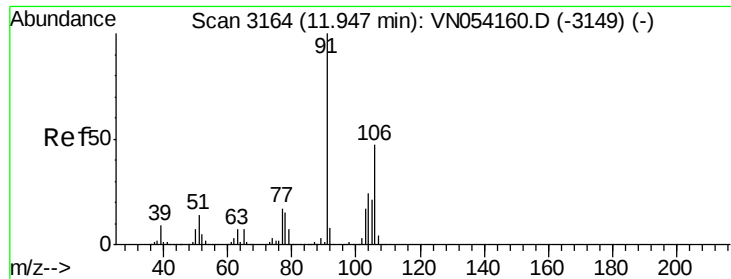
Tot Ion: 91 Resp: 3432082
Ion Ratio Lower Upper
91 100
106 32.5 25.5 38.3



#68
m/p-Xylenes
Concen: 102.815 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

Tgt Ion: 106 Resp: 2735064
Ion Ratio Lower Upper
106 100
91 197.7 159.4 239.2

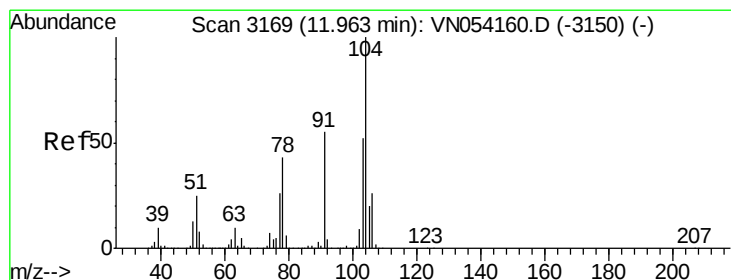
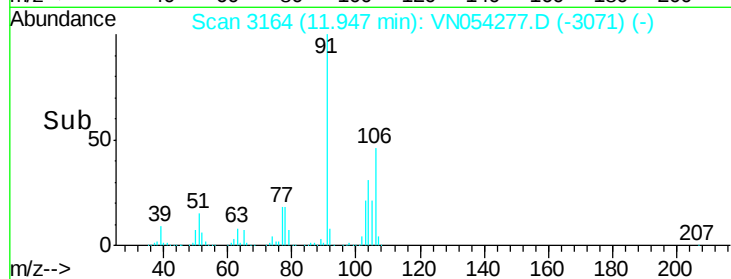
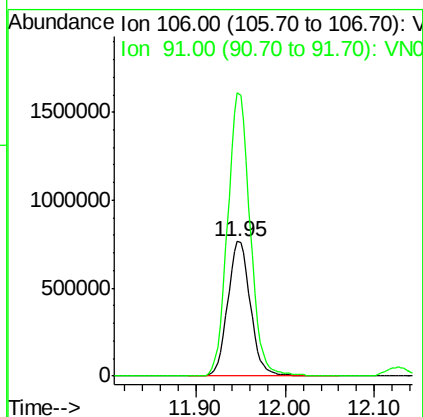
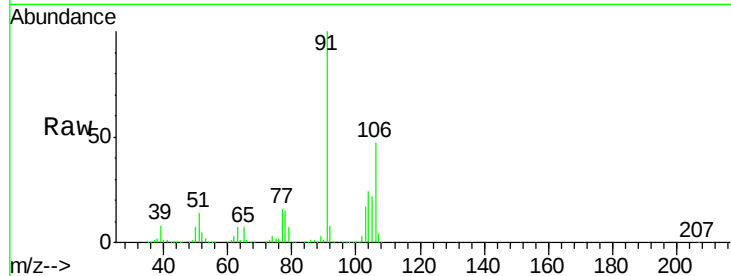




#69
o-Xylene
Concen: 51.939 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

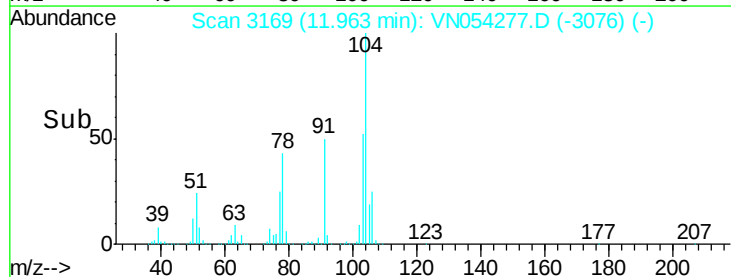
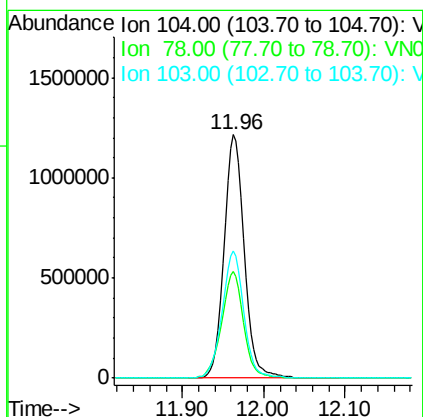
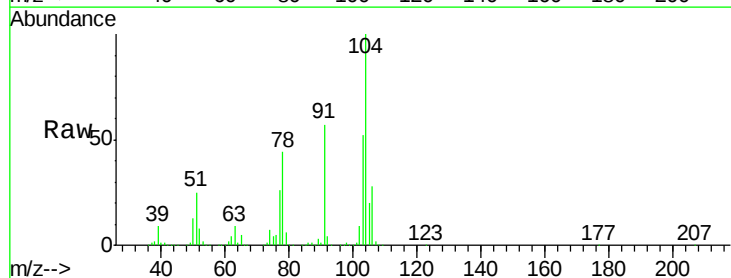
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

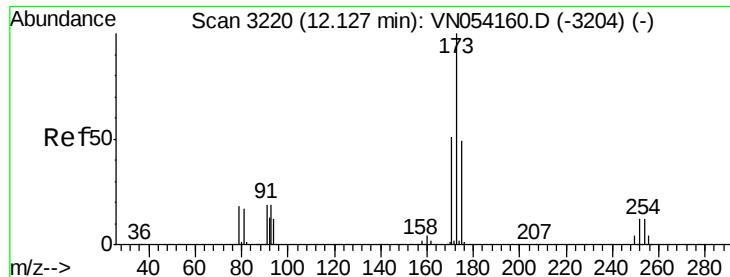
Tot Ion:106 Resp: 1346892
Ion Ratio Lower Upper
106 100
91 208.9 105.7 317.1



#70
Styrene
Concen: 52.563 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

Tgt Ion:104 Resp: 2137748
Ion Ratio Lower Upper
104 100
78 47.2 38.2 57.2
103 55.9 44.4 66.6





#71

Bromoform

Concen: 44.253 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

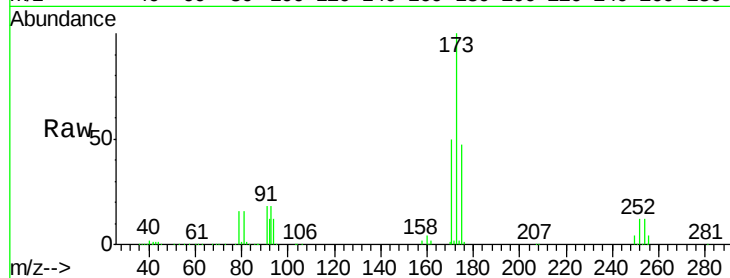
Tot Ion:173 Resp: 499933

Ion Ratio Lower Upper

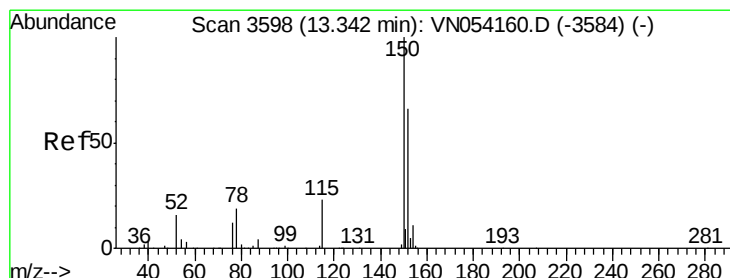
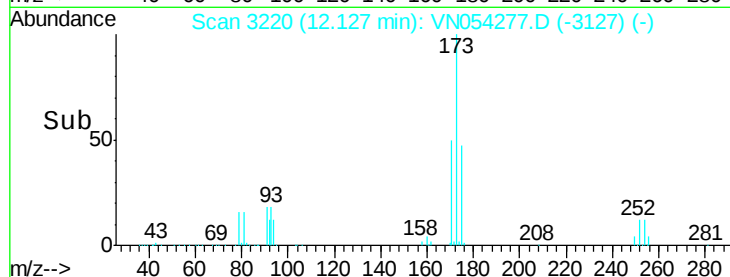
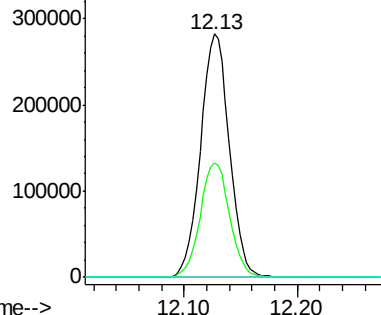
173 100

175 48.1 24.4 73.2

254 0.1 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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

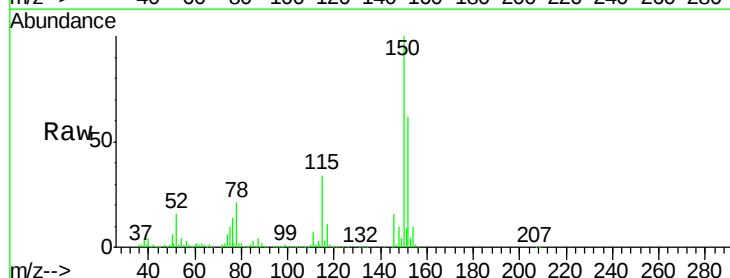
Tgt Ion:152 Resp: 903470

Ion Ratio Lower Upper

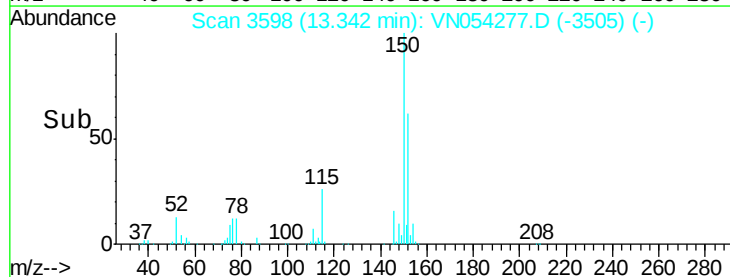
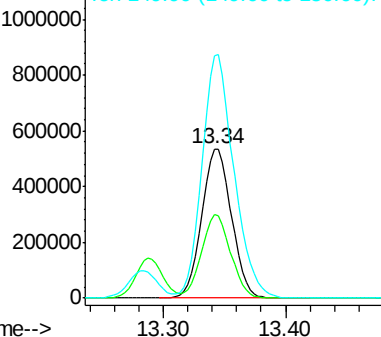
152 100

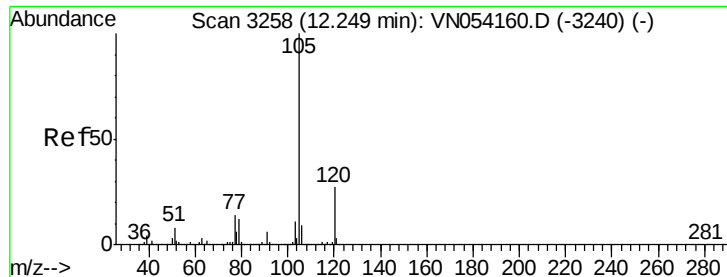
115 54.6 27.2 81.6

150 175.5 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: 49.009 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

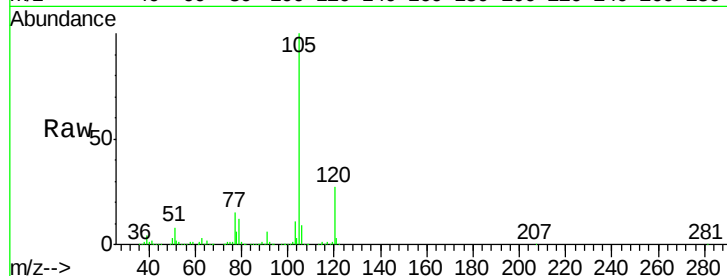
VSTDCCC050EC

Tot Ion:105 Resp: 3542548

Ion Ratio Lower Upper

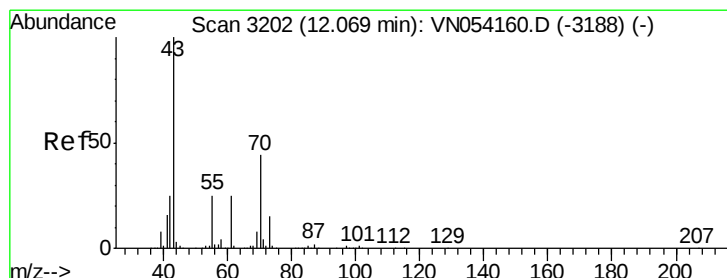
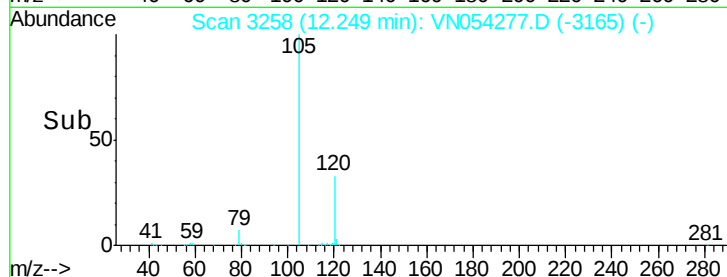
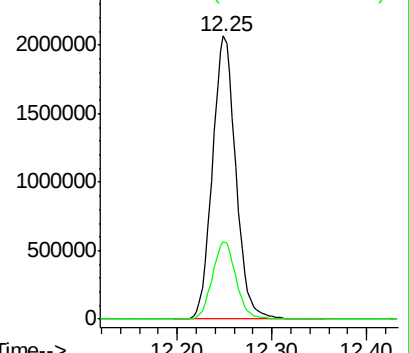
105 100

120 27.7 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: 47.570 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Tgt Ion: 43 Resp: 763238

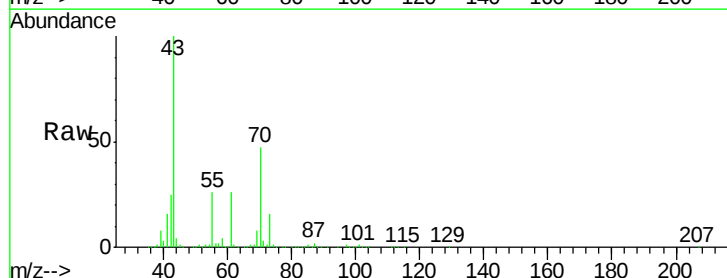
Ion Ratio Lower Upper

43 100

70 46.9 35.4 53.0

55 26.0 19.8 29.6

61 26.0 19.8 29.6

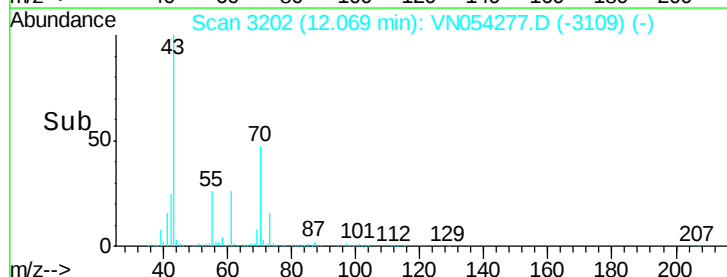
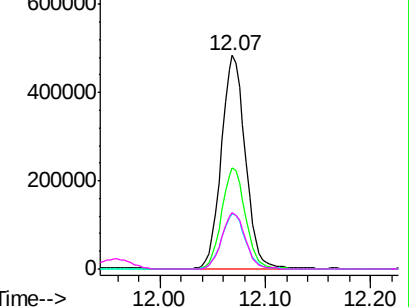


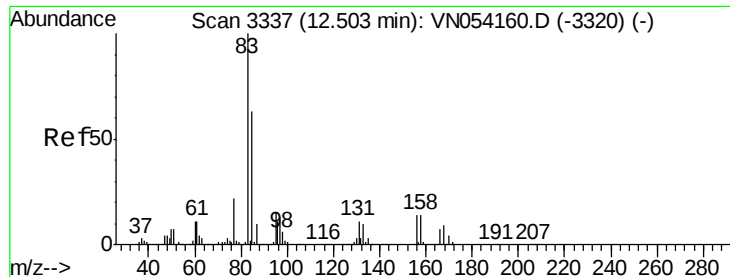
Abundance Ion 43.00 (42.70 to 43.70): V

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: 49.442 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

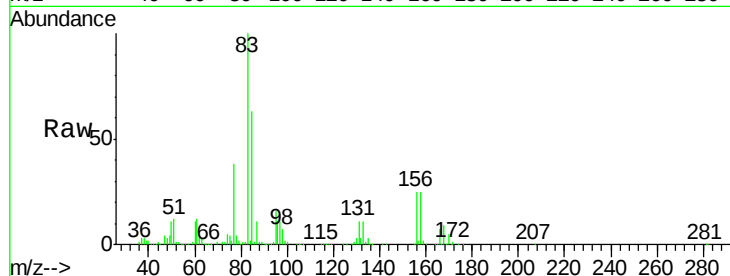
Tot Ion: 83 Resp: 761423

Ion Ratio Lower Upper

83 100

131 11.6 5.8 17.4

85 64.0 32.2 96.6

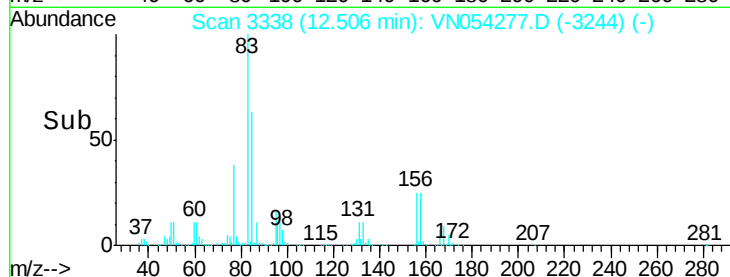


Abundance Ion 82.90 (82.60 to 83.60): VN054160.D (-3320) (-)

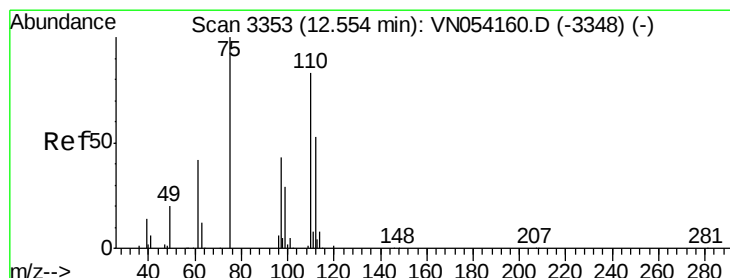
Ion 130.80 (130.50 to 131.50): VN054160.D (-3320) (-)

Ion 84.90 (84.60 to 85.60): VN054160.D (-3320) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 67.738 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054277.D

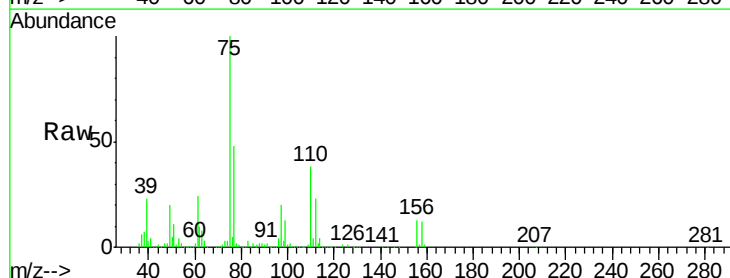
Acq: 14 Mar 2019 22:10

Tgt Ion: 75 Resp: 899964

Ion Ratio Lower Upper

75 100

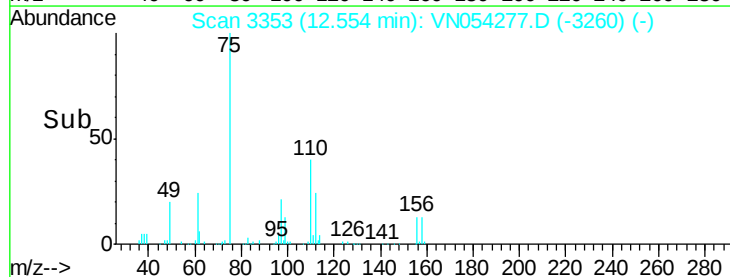
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054160.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054160.D (-3348) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 49.828 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

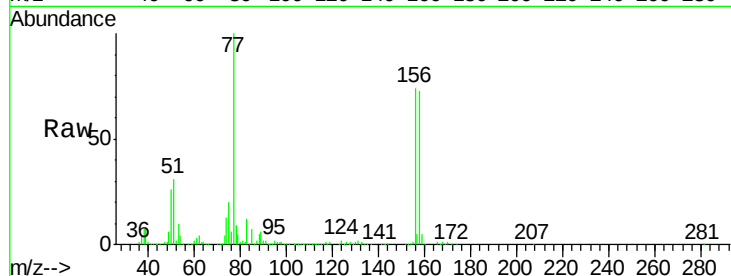
Tot Ion:156 Resp: 953082

Ion Ratio Lower Upper

156 100

77 157.4 81.5 244.4

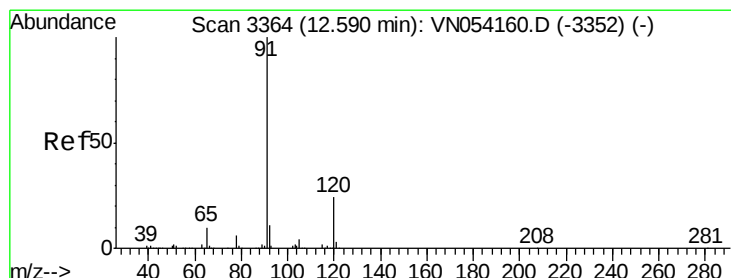
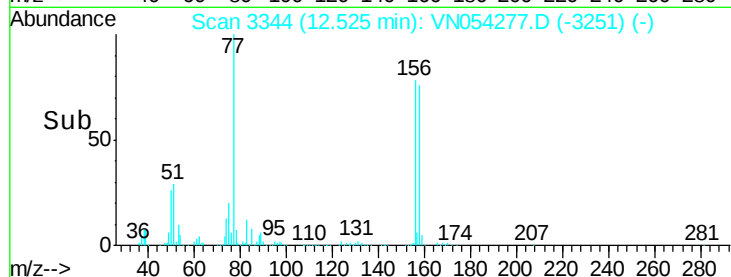
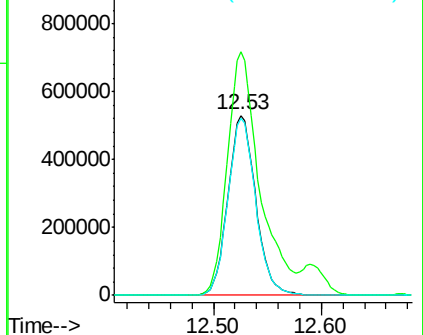
158 98.4 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.157 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054277.D

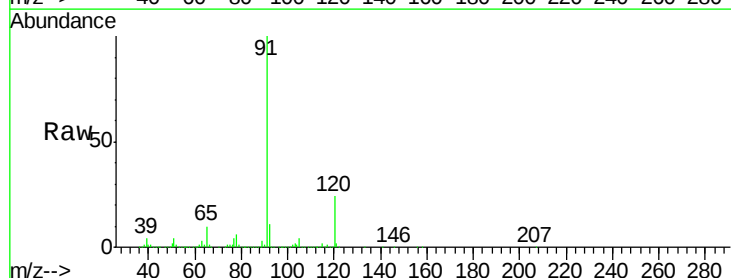
Acq: 14 Mar 2019 22:10

Tgt Ion: 91 Resp: 3855459

Ion Ratio Lower Upper

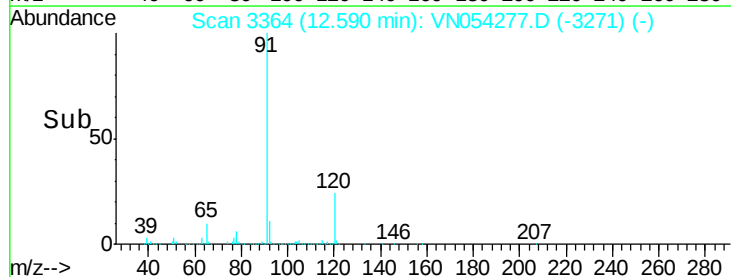
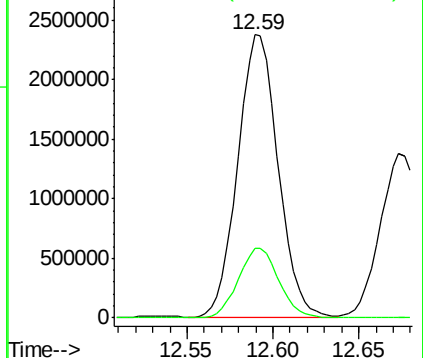
91 100

120 24.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

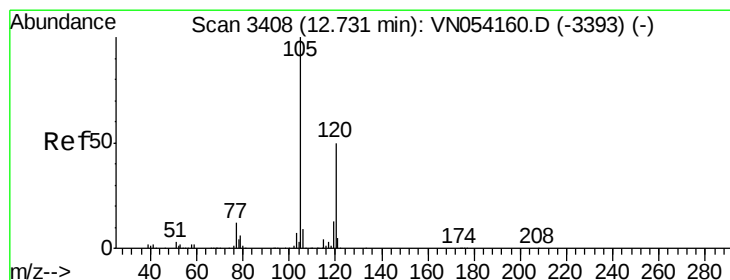
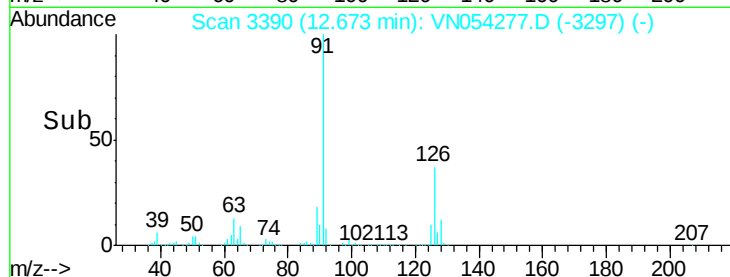
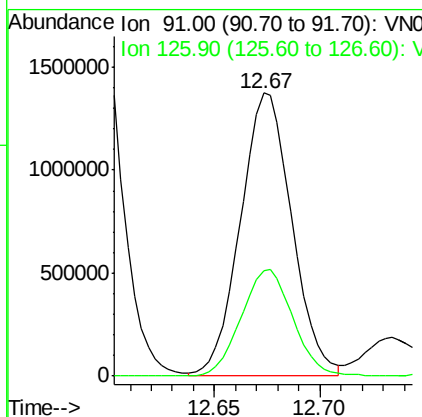
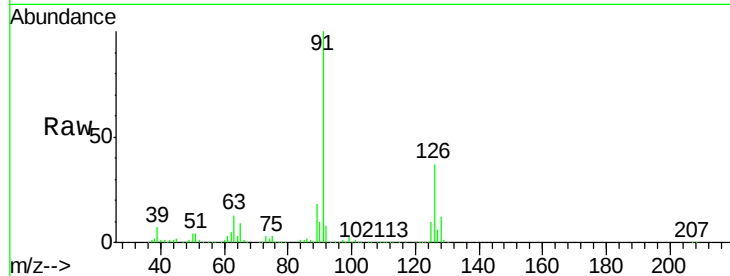




#79
 2-Chlorotoluene
 Concen: 49.158 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN054277.D
 Acq: 14 Mar 2019 22:10

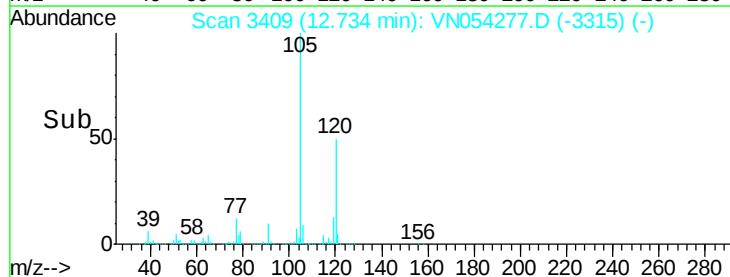
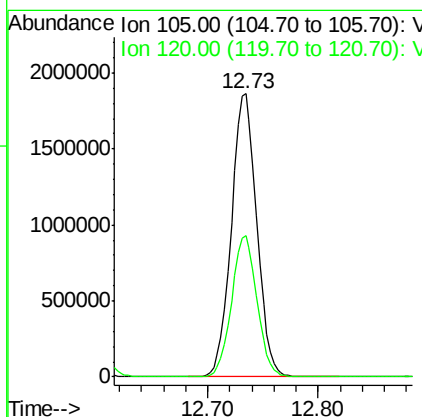
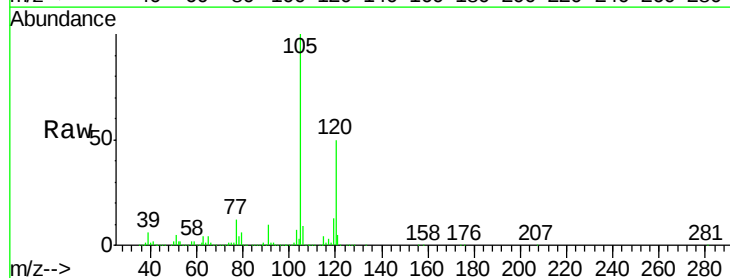
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

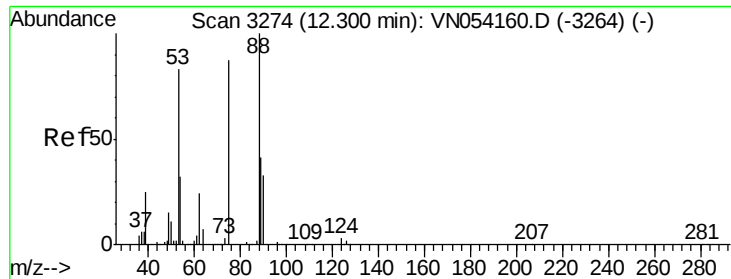
Tot Ion: 91 Resp: 2318235
 Ion Ratio Lower Upper
 91 100
 126 38.2 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 49.429 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN054277.D
 Acq: 14 Mar 2019 22:10

Tgt Ion:105 Resp: 2971866
 Ion Ratio Lower Upper
 105 100
 120 50.0 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 37.650 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

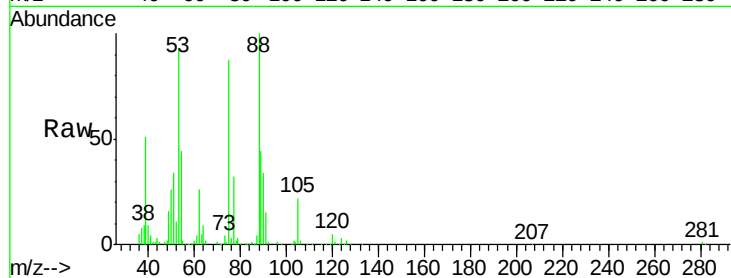
Tot Ion: 75 Resp: 146330

Ion Ratio Lower Upper

75 100

53 109.2 76.2 114.2

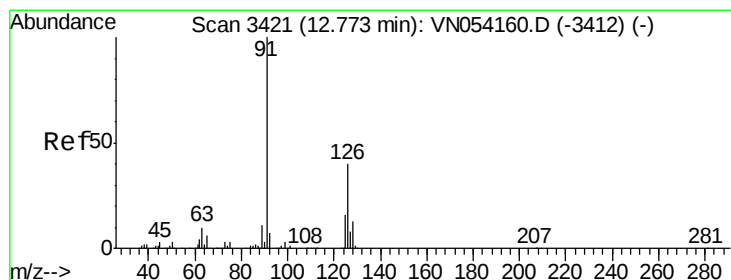
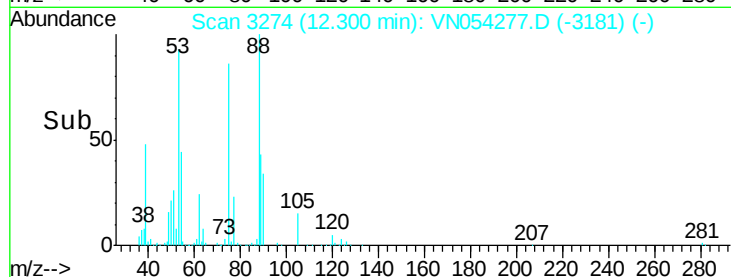
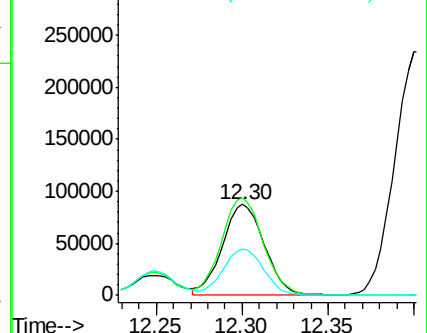
89 50.4 39.2 58.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.555 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054277.D

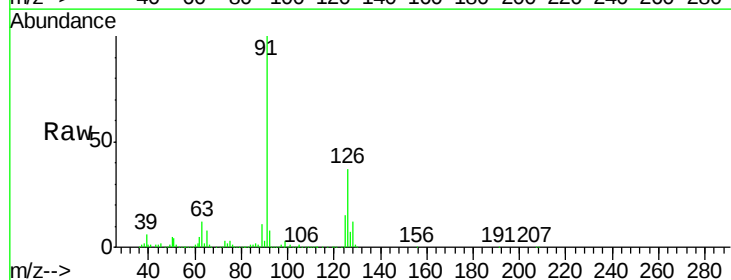
Acq: 14 Mar 2019 22:10

Tgt Ion: 91 Resp: 2333505

Ion Ratio Lower Upper

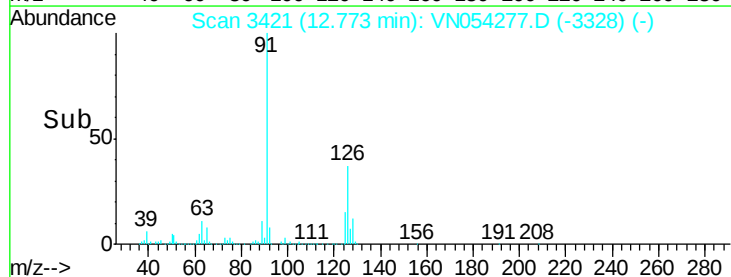
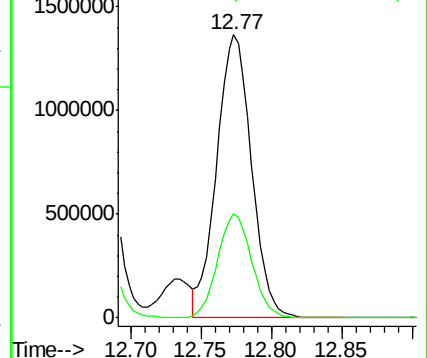
91 100

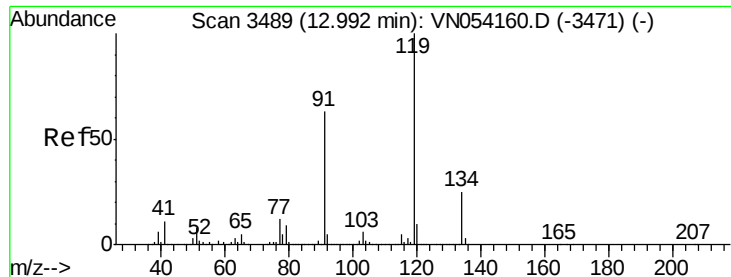
126 36.1 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

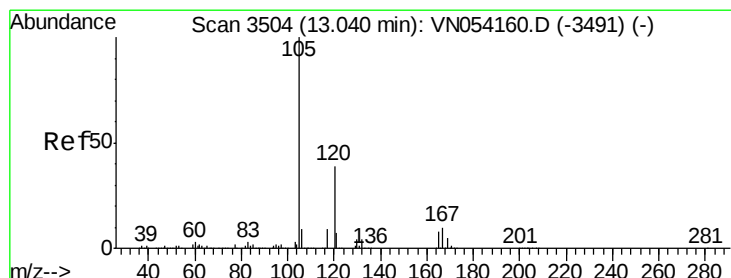
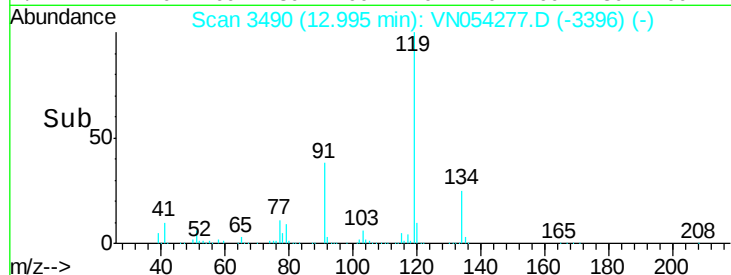
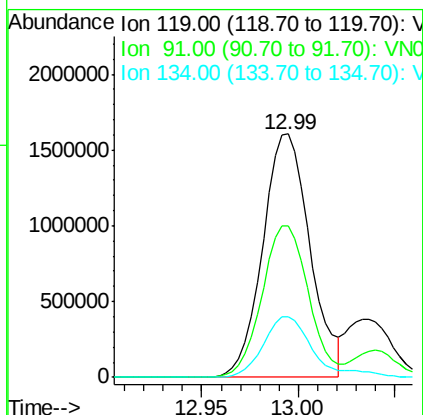
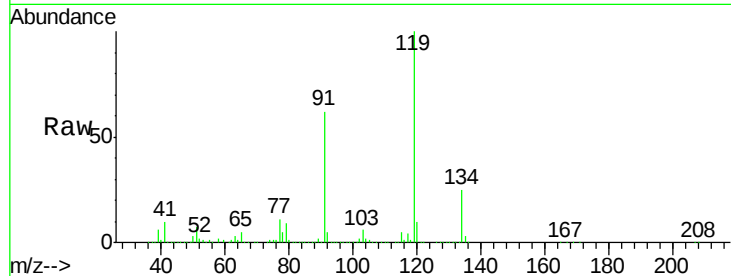




#83
 tert-Butylbenzene
 Concen: 49.336 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054277.D
 Acq: 14 Mar 2019 22:10

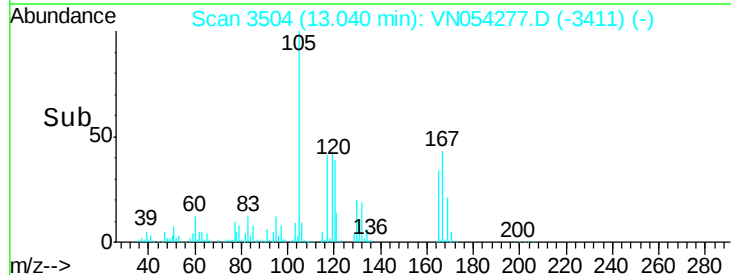
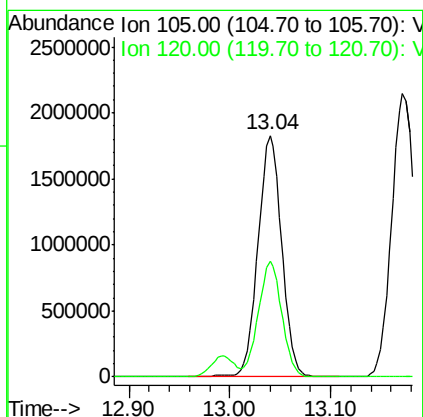
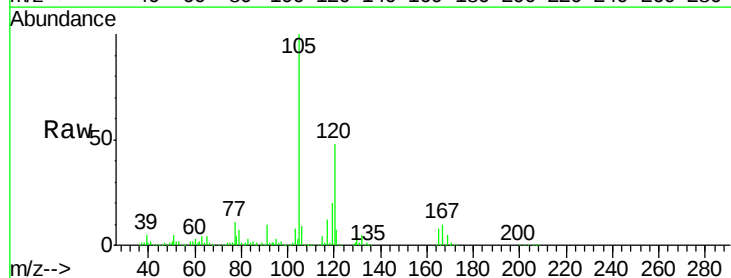
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

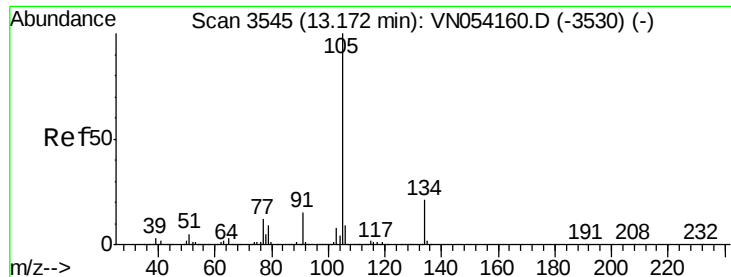
Tot Ion:119 Resp: 2730320
 Ion Ratio Lower Upper
 119 100
 91 61.6 30.9 92.8
 134 26.4 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 50.389 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054277.D
 Acq: 14 Mar 2019 22:10

Tgt Ion:105 Resp: 2972219
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.4 70.3





#85

sec-Butylbenzene

Concen: 48.527 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

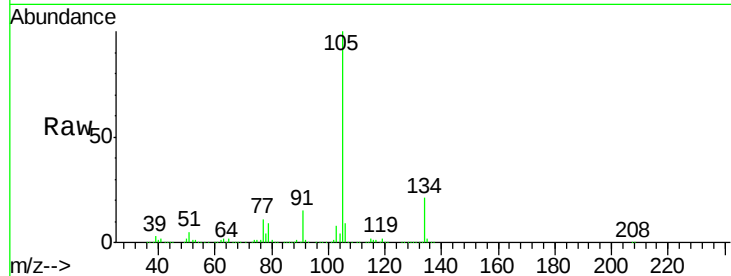
VSTDCCC050EC

Tot Ion:105 Resp: 3482741

Ion Ratio Lower Upper

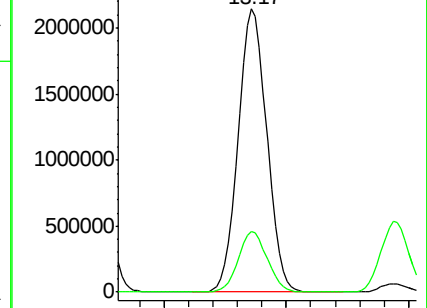
105 100

134 21.6 10.7 32.1

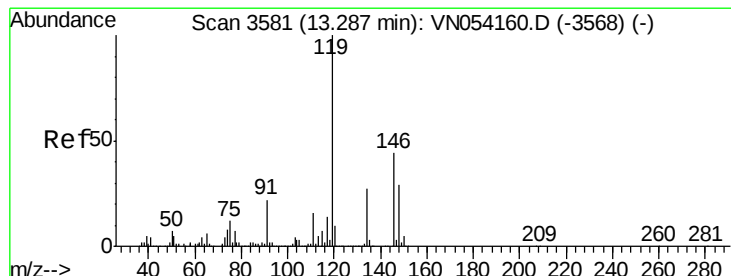
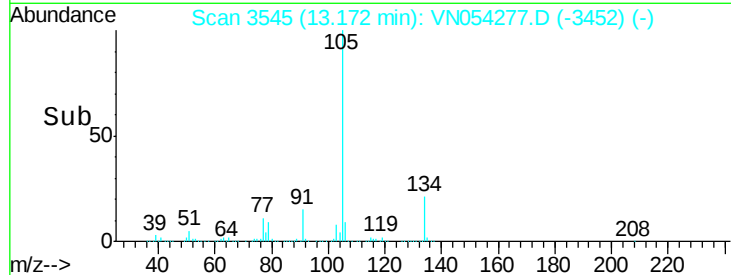


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 49.181 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

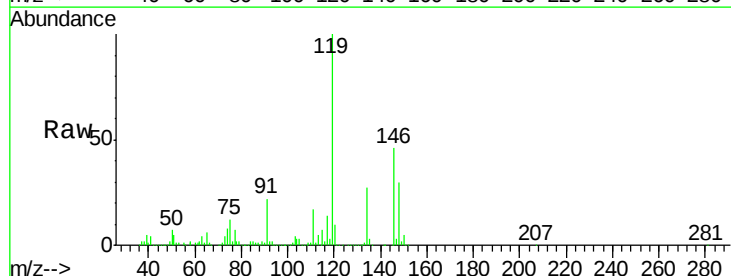
Tgt Ion:119 Resp: 3096596

Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.8

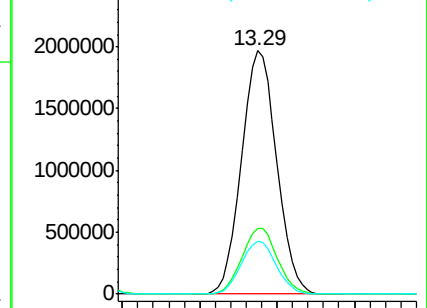
91 21.7 11.1 33.3



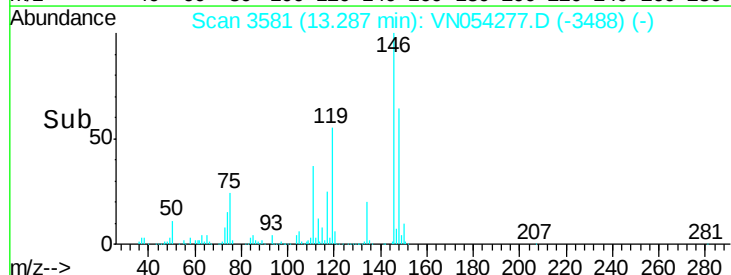
Abundance Ion 119.00 (118.70 to 119.70): V

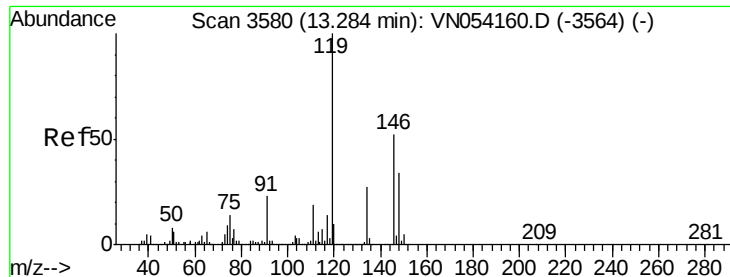
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->

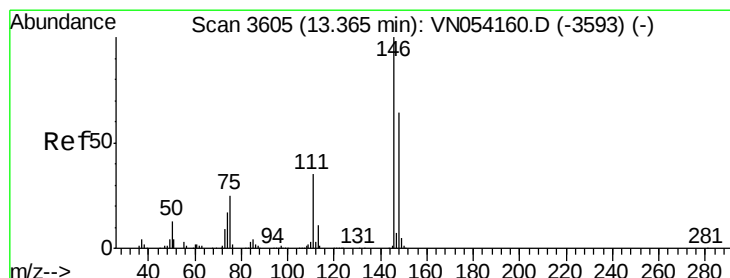
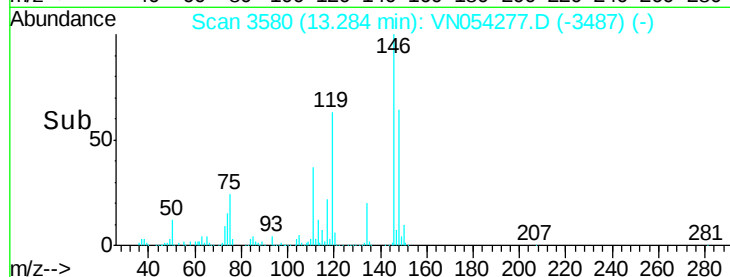
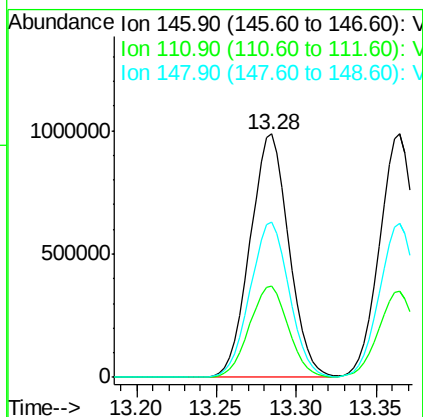
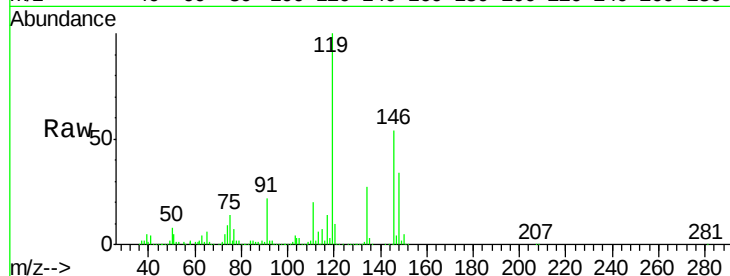




#87
 1,3-Dichlorobenzene
 Concen: 50.973 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN054277.D
 Acq: 14 Mar 2019 22:10

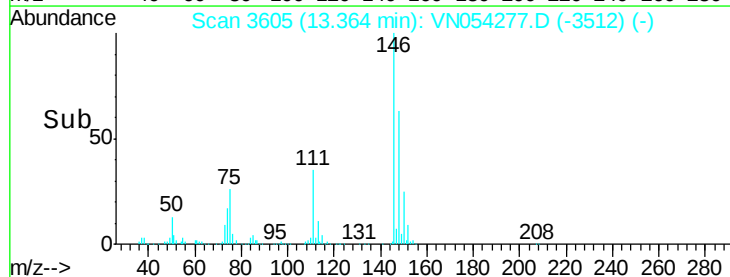
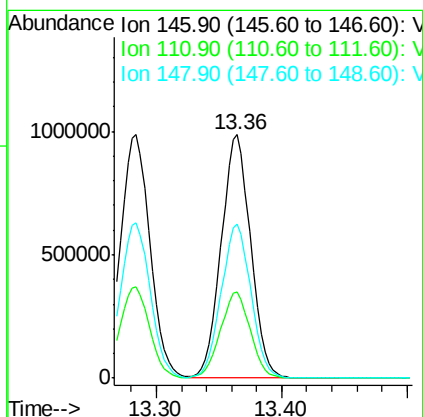
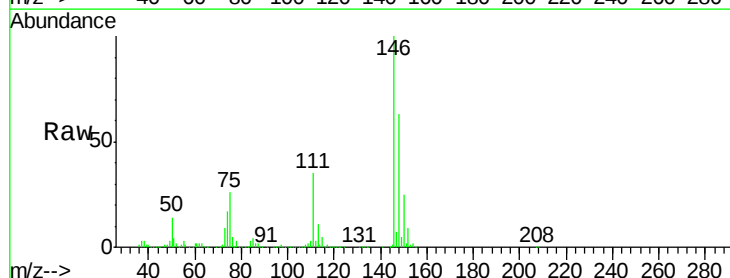
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

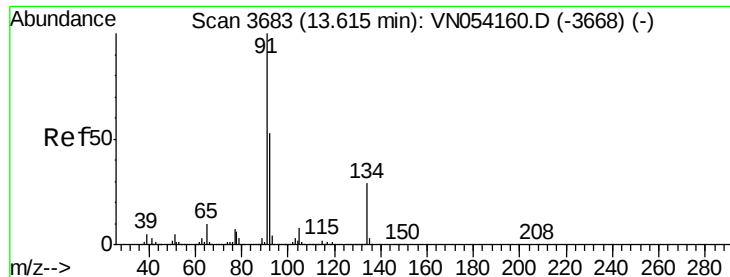
Tot Ion:146 Resp: 1642846
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.8 56.3
 148 64.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 50.575 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN054277.D
 Acq: 14 Mar 2019 22:10

Tgt Ion:146 Resp: 1601274
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.1 54.1
 148 64.1 32.0 96.0





#89

n-Butylbenzene

Concen: 49.368 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

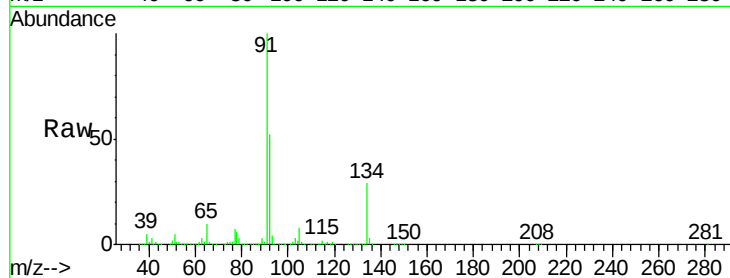
Tot Ion: 91 Resp: 2361781

Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.6
134	28.9	14.3	42.9

91 100

92 52.4 26.2 78.6

134 28.9 14.3 42.9

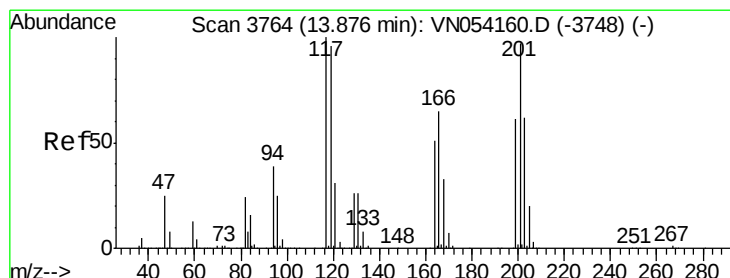
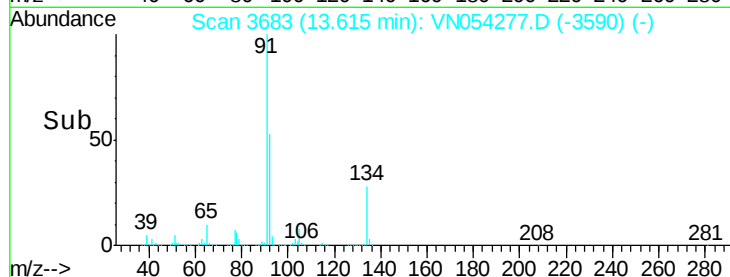
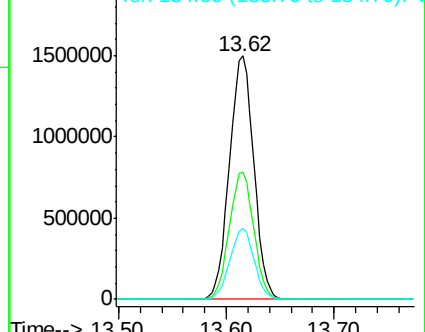


Abundance

Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054160.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054160.D (-3668) (-)



#90

Hexachloroethane

Concen: 46.769 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN054277.D

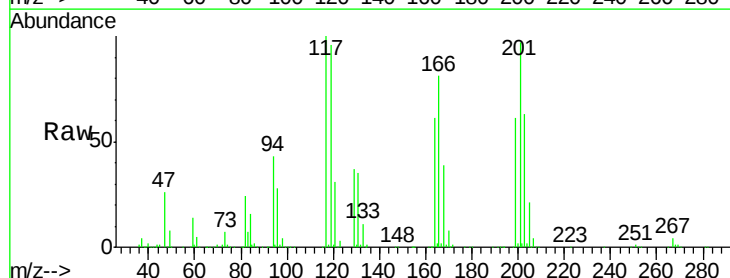
Acq: 14 Mar 2019 22:10

Tgt Ion: 117 Resp: 487600

Ion	Ratio	Lower	Upper
117	100		
201	98.2	48.1	144.4

117 100

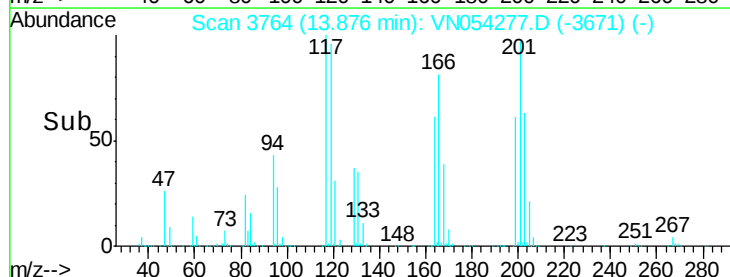
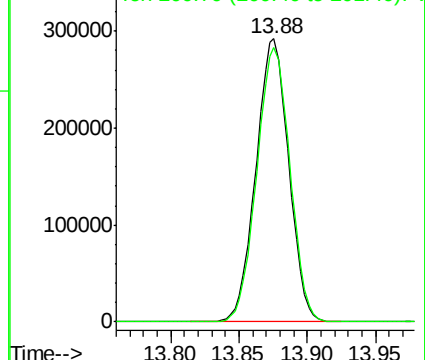
201 98.2 48.1 144.4



Abundance

Ion 116.80 (116.50 to 117.50): VN054160.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054160.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 51.481 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

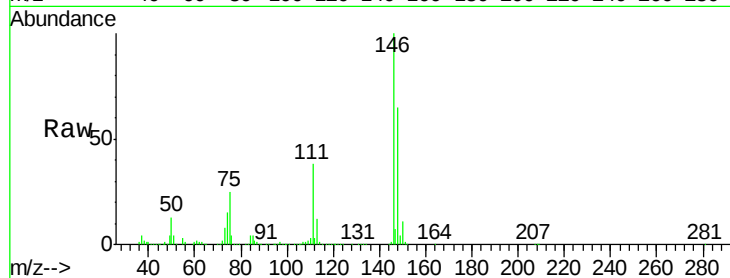
Tot Ion:146 Resp: 1622044

Ion Ratio Lower Upper

146 100

111 38.4 19.1 57.3

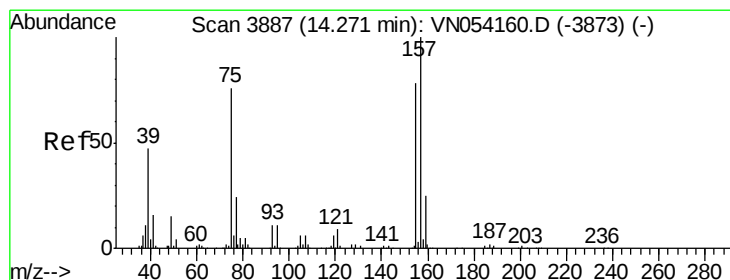
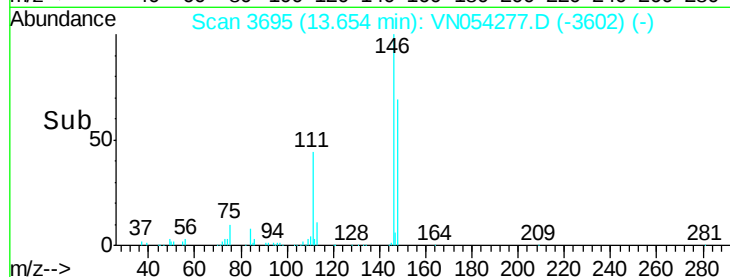
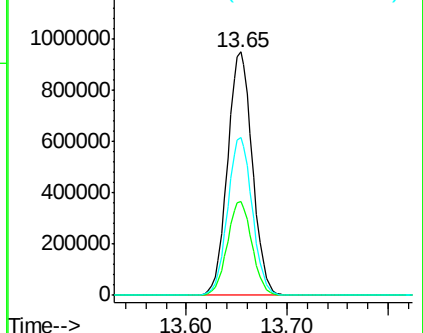
148 64.5 32.4 97.0



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: 46.479 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN054277.D

Acq: 14 Mar 2019 22:10

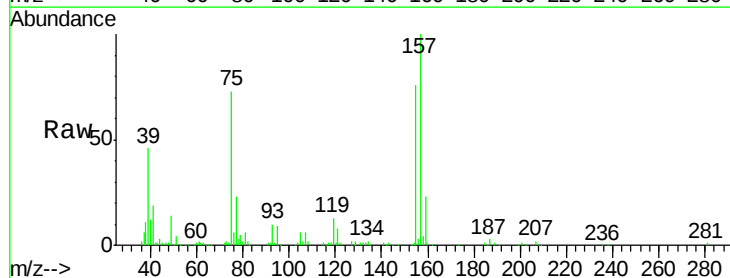
Tgt Ion: 75 Resp: 110765

Ion Ratio Lower Upper

75 100

155 104.4 50.1 150.3

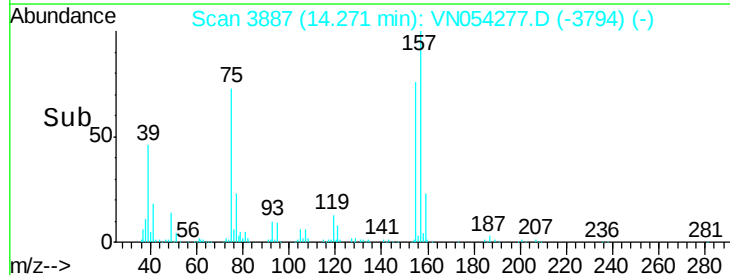
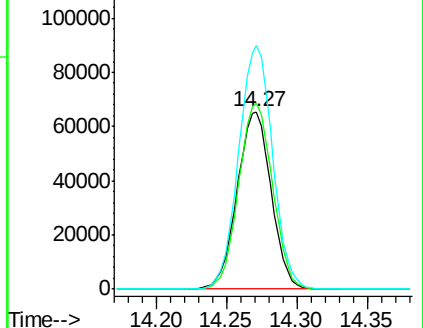
157 136.8 63.1 189.3

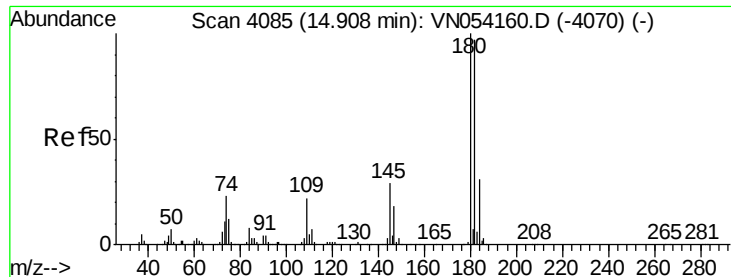


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

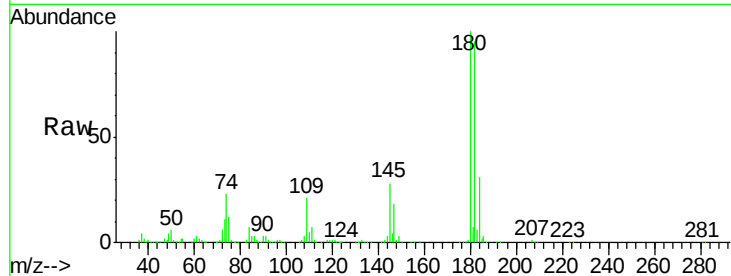




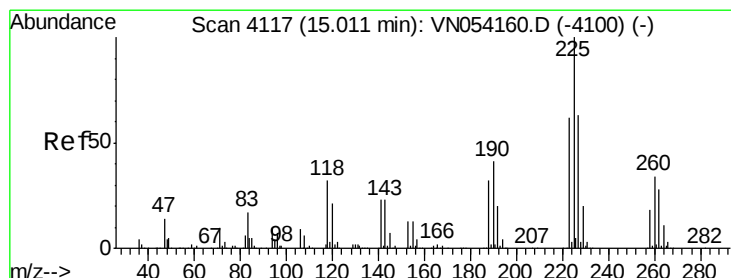
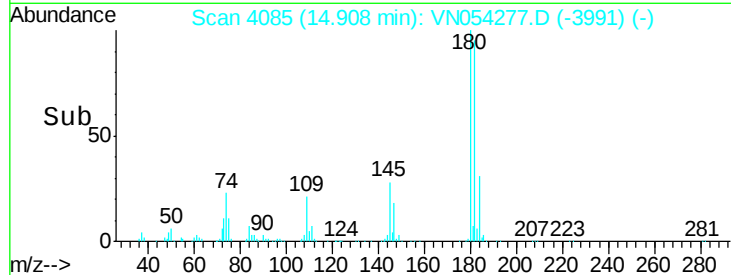
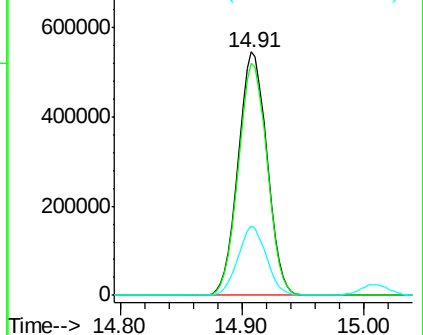
#93
 1,2,4-Trichlorobenzene
 Concen: 46.867 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054277.D
 Acq: 14 Mar 2019 22:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 888349
 Ion Ratio Lower Upper
 180 100
 182 95.6 48.0 144.2
 145 27.8 14.2 42.8

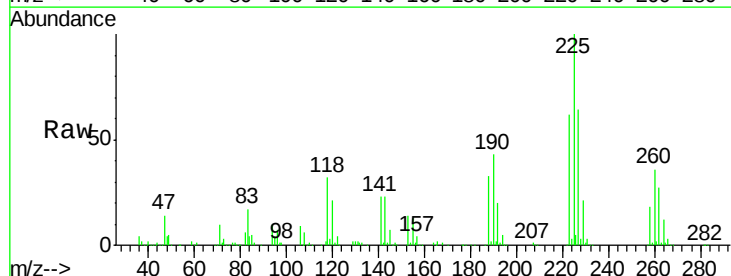


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

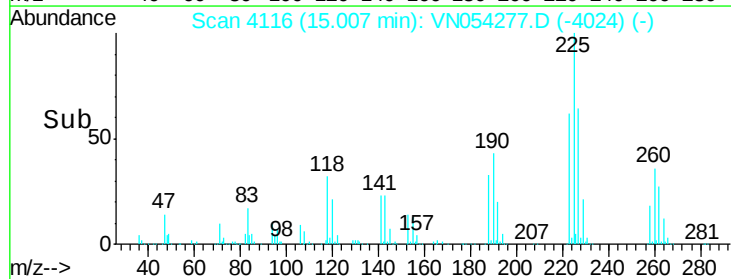
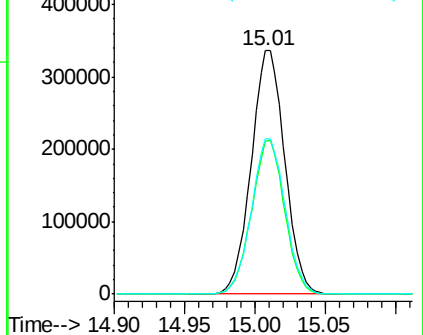


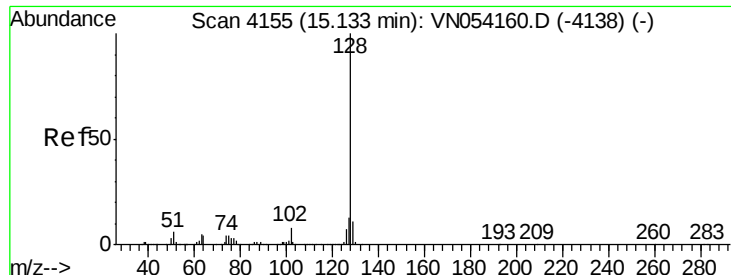
#94
 Hexachlorobutadiene
 Concen: 46.614 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054277.D
 Acq: 14 Mar 2019 22:10

Tgt Ion:225 Resp: 559430
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.1 93.5
 227 64.1 31.9 95.9



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

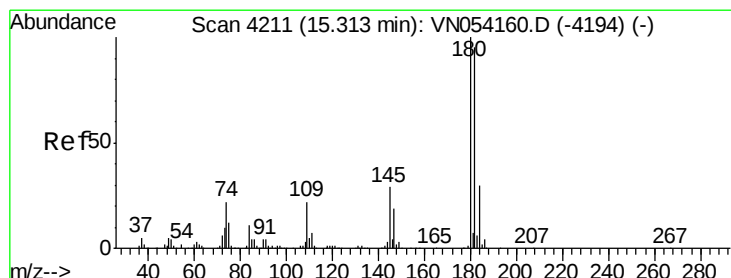
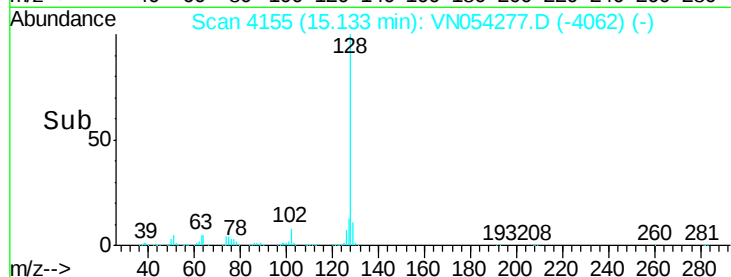
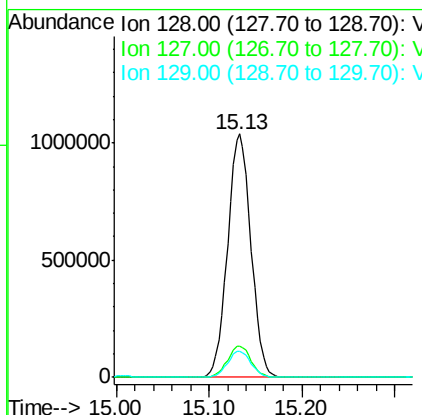
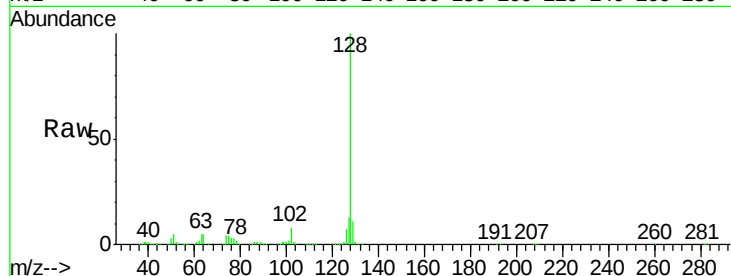




#95
Naphthalene
Concen: 45.859 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 1805006
Ion Ratio Lower Upper
128 100
127 13.0 10.1 15.1
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 53.145 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054277.D
Acq: 14 Mar 2019 22:10

Tgt Ion:180 Resp: 889690
Ion Ratio Lower Upper
180 100
182 96.2 47.5 142.6
145 29.0 14.8 44.3

