

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058275.D
 Acq On : 23 Sep 2019 8:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 23 13:00:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	470201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	793108	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	735444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	366875	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	341162	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
35) Dibromofluoromethane	7.57	113	242651	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.09	98	963952	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.40	95	361893	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	171225	44.329	ug/l	98
3) Chloromethane	2.03	50	146786	49.287	ug/l	96
4) Vinyl Chloride	2.17	62	156324	47.978	ug/l	98
5) Bromomethane	2.54	94	87899	50.987	ug/l	98
6) Chloroethane	2.68	64	107581	51.642	ug/l	99
7) Trichlorofluoromethane	3.00	101	236864	44.927	ug/l	99
8) Diethyl Ether	3.39	74	111131	46.003	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.74	101	180583	47.506	ug/l	99
10) Methyl Iodide	3.93	142	149509	46.938	ug/l	100
11) Tert butyl alcohol	4.75	59	184273	236.546	ug/l	100
12) 1,1-Dichloroethene	3.72	96	141859	49.170	ug/l	93
13) Acrolein	3.59	56	37232	322.502	ug/l	100
14) Allyl chloride	4.30	41	274984	44.209	ug/l	91
15) Acrylonitrile	4.96	53	541815	261.050	ug/l	100
16) Acetone	3.79	43	655079	294.684	ug/l	98
17) Carbon Disulfide	4.03	76	191834	47.259	ug/l	98
18) Methyl Acetate	4.30	43	287383	49.130	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	720711	50.269	ug/l	99
20) Methylene Chloride	4.53	84	200247	51.457	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	154603	49.176	ug/l	97
22) Diisopropyl ether	5.93	45	811609	51.367	ug/l	99
23) Vinyl Acetate	5.87	43	2929910	271.001	ug/l	100
24) 1,1-Dichloroethane	5.82	63	419704	49.770	ug/l	99
25) 2-Butanone	6.81	43	847826	279.944	ug/l	99
26) 2,2-Dichloropropane	6.80	77	356431	49.821	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	233464	48.962	ug/l	99
28) Bromochloromethane	7.18	49	214916	53.873	ug/l	98
29) Tetrahydrofuran	7.19	42	458763	245.919	ug/l	99
30) Chloroform	7.35	83	452609	49.862	ug/l	99
31) Cyclohexane	7.63	56	264642	48.475	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	351258	50.831	ug/l	99
36) 1,1-Dichloropropene	7.78	75	260545	45.554	ug/l	100
37) Ethyl Acetate	6.91	43	300976	50.707	ug/l	100
38) Carbon Tetrachloride	7.76	117	282782	49.185	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	261706	47.329	ug/l	98
40) Benzene	8.03	78	842149	48.207	ug/l	100
41) Methacrylonitrile	7.16	41	167723	55.980	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	362496	49.452	ug/l	100
43) Isopropyl Acetate	8.15	43	535744	48.329	ug/l #	92
44) Trichloroethene	8.82	130	206759	48.365	ug/l	99
45) 1,2-Dichloropropane	9.11	63	265561	50.903	ug/l	99
46) Dibromomethane	9.20	93	156850	49.451	ug/l	99
47) Bromodichloromethane	9.39	83	356974	53.721	ug/l	100
48) Methyl methacrylate	9.19	41	261923	52.039	ug/l	99
49) 1,4-Dioxane	9.19	88	87112	1054.169	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1686155	286.370	ug/l	99
52) Toluene	10.15	92	537272	49.074	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	373321	54.846	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	395062	52.569	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	253395	52.155	ug/l	98
56) Ethyl methacrylate	10.43	69	378737	54.028	ug/l	99
57) 1,3-Dichloropropane	10.71	76	425568	50.952	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	936453	280.454	ug/l	100
59) 2-Hexanone	10.75	43	1315286	300.776	ug/l	98
60) Dibromochloromethane	10.90	129	266004	56.910	ug/l	100
61) 1,2-Dibromoethane	11.00	107	230097	51.103	ug/l	100
64) Tetrachloroethene	10.63	164	163450	45.591	ug/l	99
65) Chlorobenzene	11.43	112	633217	48.950	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	249602	53.213	ug/l	100
67) Ethyl Benzene	11.51	91	1139803	51.422	ug/l	100
68) m/p-Xylenes	11.62	106	834069	99.910	ug/l	98
69) o-Xylene	11.95	106	419262	51.075	ug/l	100
70) Styrene	11.97	104	756754	53.505	ug/l	100
71) Bromoform	12.13	173	172830	49.720	ug/l #	99
73) Isopropylbenzene	12.25	105	1197476	52.146	ug/l	99
74) N-amyl acetate	12.07	43	523253	54.467	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	398915	51.874	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	486874	74.152	ug/l #	100
77) Bromobenzene	12.53	156	282248	48.862	ug/l	98
78) n-propylbenzene	12.60	91	1421941	54.490	ug/l	99
79) 2-Chlorotoluene	12.68	91	853099	52.310	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1025575	52.813	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	107292	48.792	ug/l	99
82) 4-Chlorotoluene	12.78	91	886342	51.702	ug/l	99
83) tert-Butylbenzene	13.00	119	893636	51.604	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1048142	54.238	ug/l	99
85) sec-Butylbenzene	13.18	105	1232108	54.409	ug/l	100
86) p-Isopropyltoluene	13.30	119	1105849	54.930	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	544074	51.568	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	545312	50.627	ug/l	100
89) n-Butylbenzene	13.62	91	1022443	53.568	ug/l	100
90) Hexachloroethane	13.88	117	182037	51.476	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	543463	51.351	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	74657	53.925	ug/l	98

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QLast Update : Thu Sep 19 09:27:53 2019
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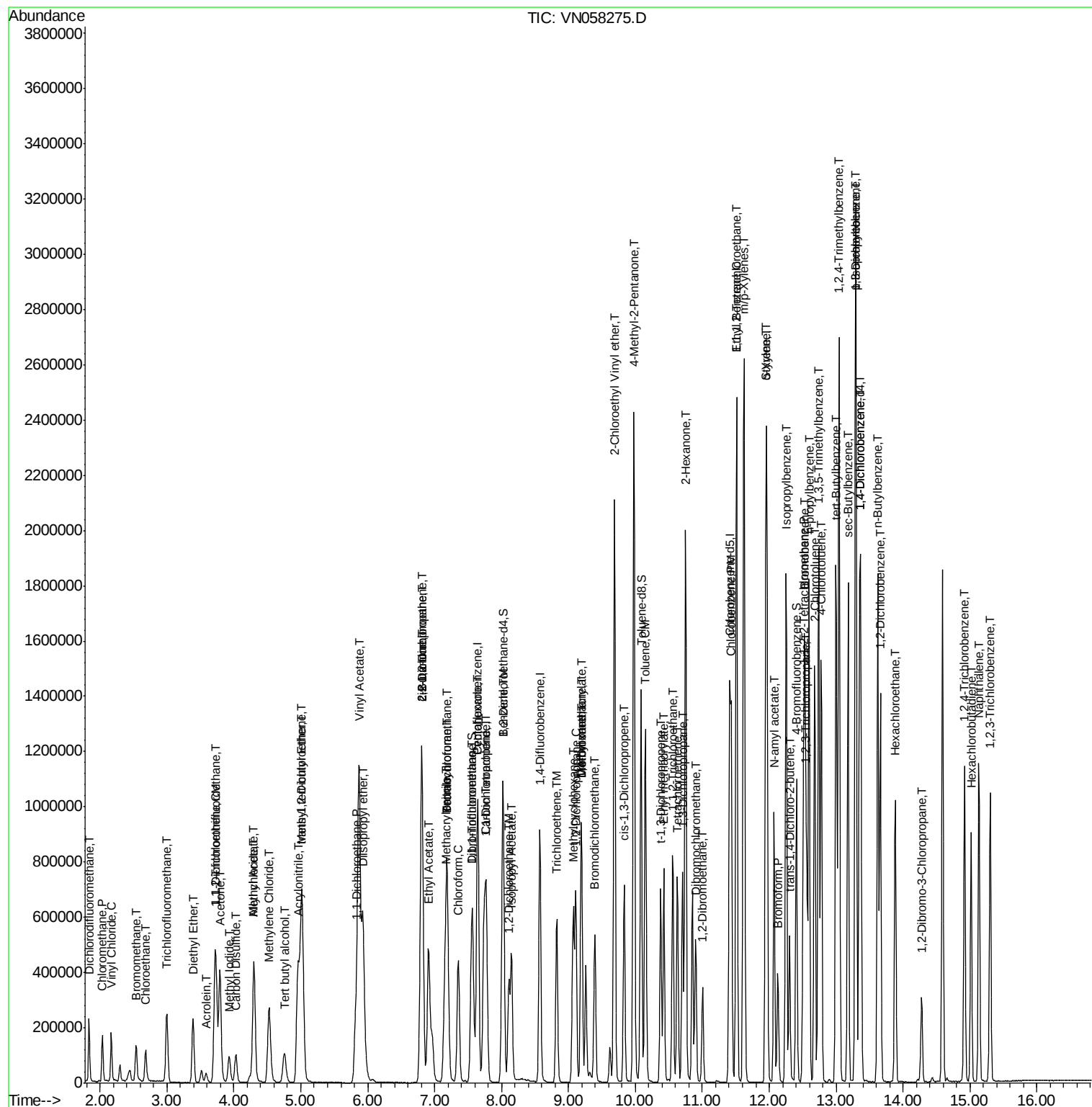
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	339058	50.142	ug/l	99
94) Hexachlorobutadiene	15.02	225	152163	46.557	ug/l	100
95) Naphthalene	15.13	128	904845	51.634	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	315907	49.428	ug/l	100

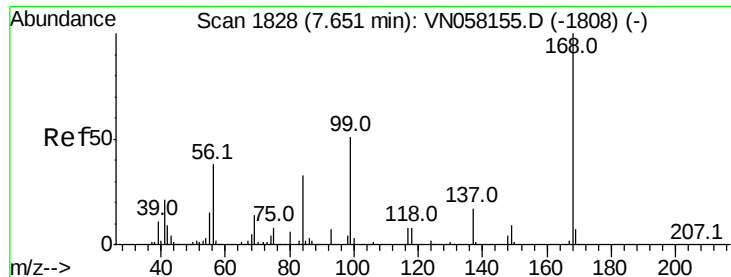
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

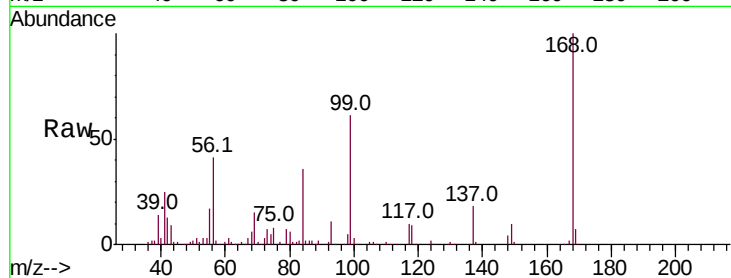
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 470201

Ion Ratio Lower Upper

168 100

99 60.1 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

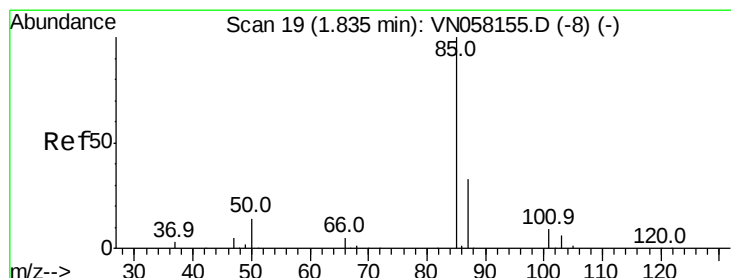
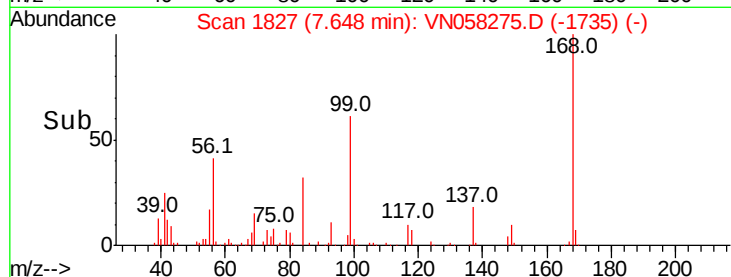
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 44.329 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058275.D

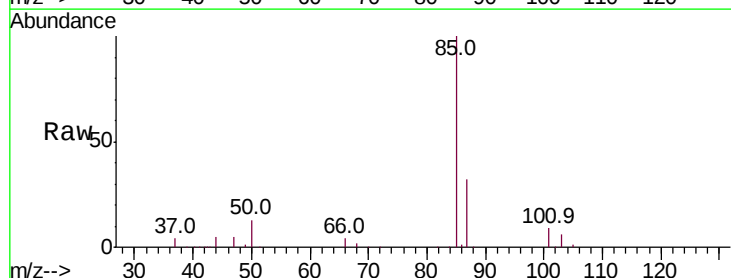
Acq: 23 Sep 2019 8:42

Tgt Ion: 85 Resp: 171225

Ion Ratio Lower Upper

85 100

87 31.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

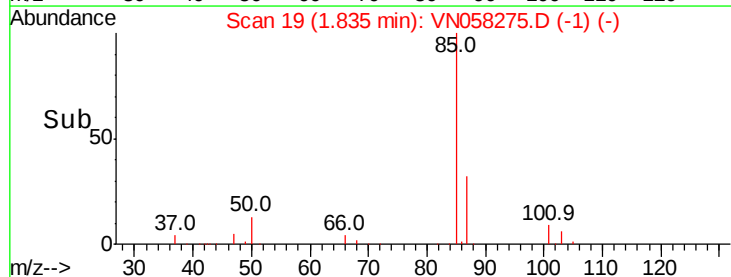
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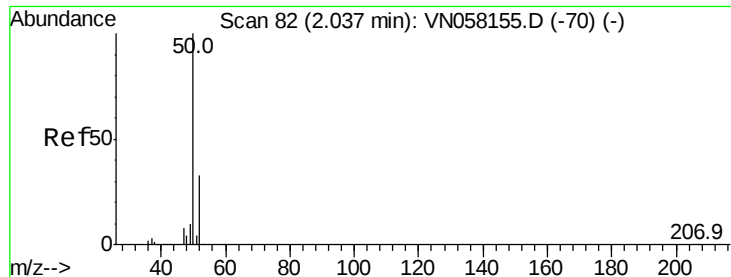
50000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 49.287 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

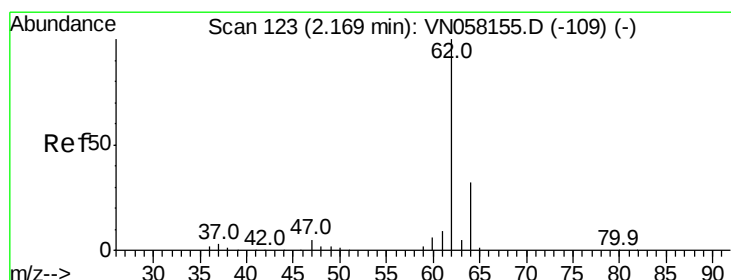
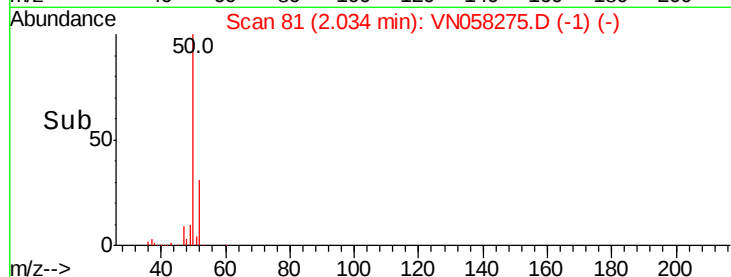
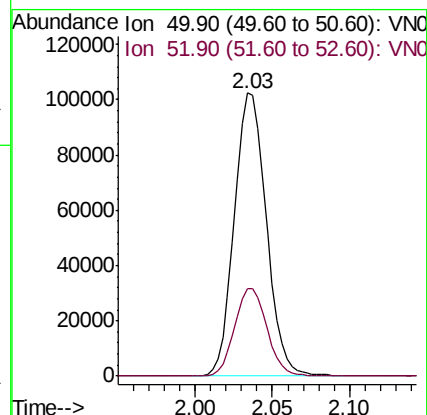
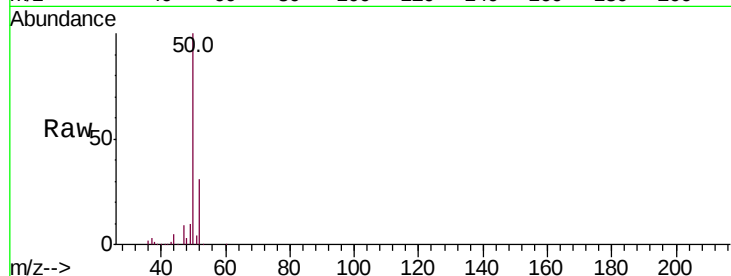
ClientSampled :

Tot Ion: 50 Resp: 146786

Ion Ratio Lower Upper

50 100

52 30.8 26.3 39.5



#4

Vinyl Chloride

Concen: 47.978 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058275.D

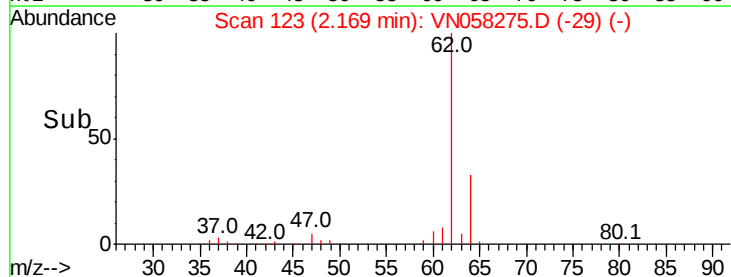
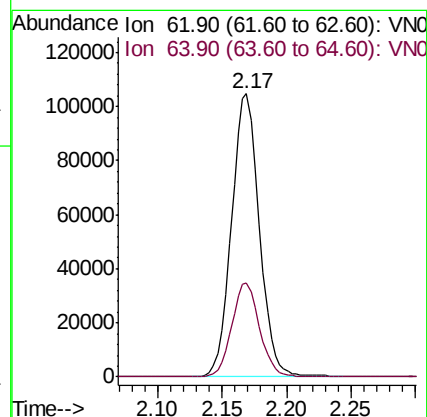
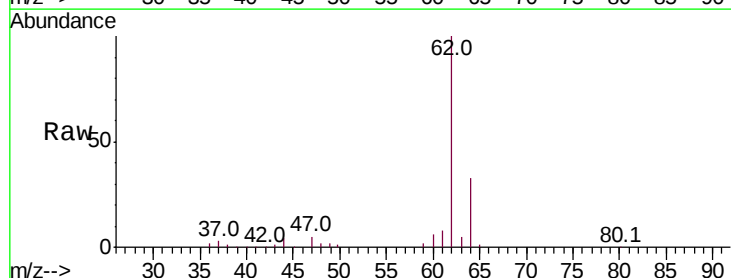
Acq: 23 Sep 2019 8:42

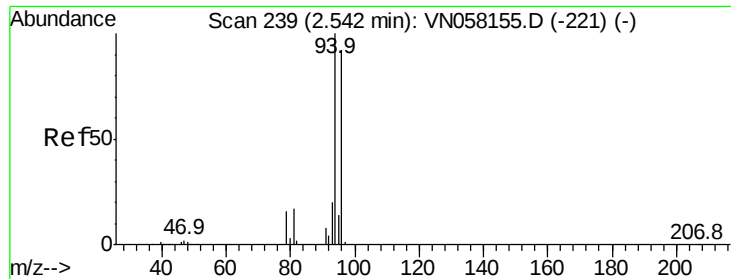
Tgt Ion: 62 Resp: 156324

Ion Ratio Lower Upper

62 100

64 33.2 25.4 38.2

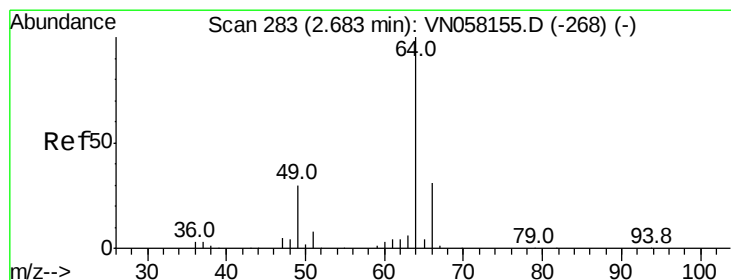
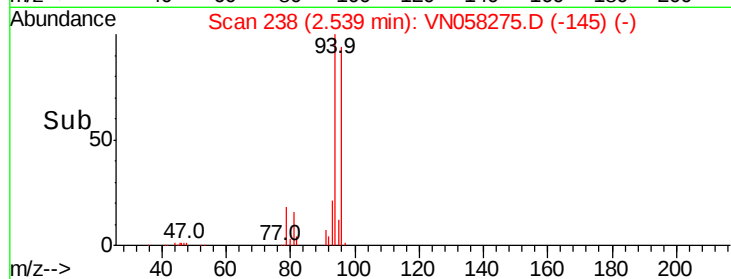
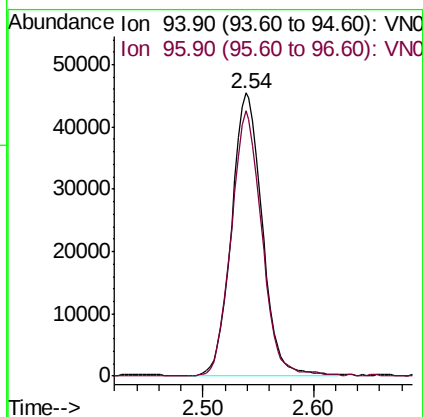
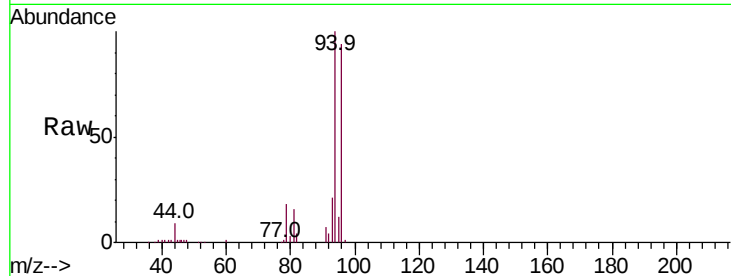




#5
Bromomethane
Concen: 50.987 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

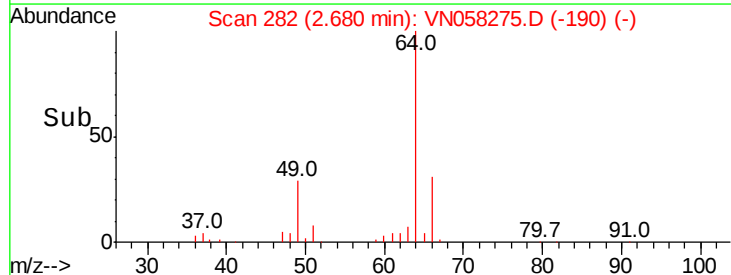
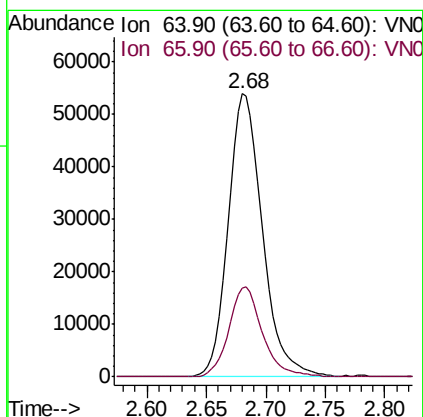
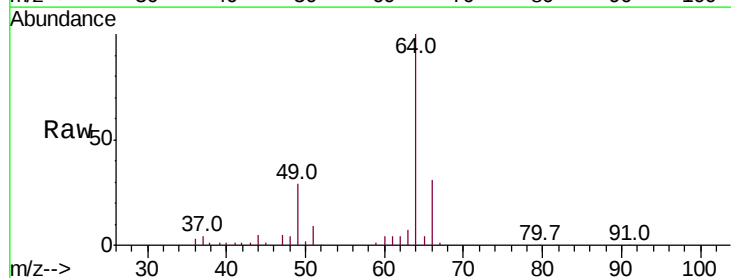
Instrument :
MSVOA_N
ClientSampled :

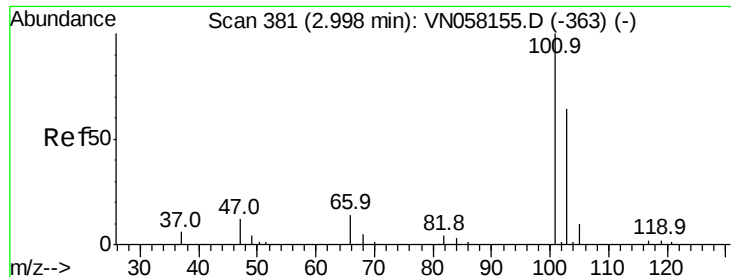
Tot Ion: 94 Resp: 87899
Ion Ratio Lower Upper
94 100
96 93.6 73.3 109.9



#6
Chloroethane
Concen: 51.642 ug/l
RT: 2.68 min Scan# 282
Delta R.T. -0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion: 64 Resp: 107581
Ion Ratio Lower Upper
64 100
66 31.4 24.6 37.0



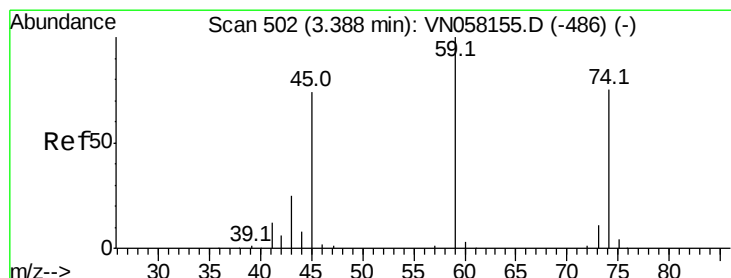
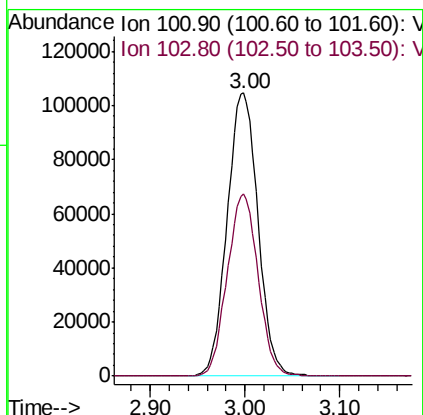
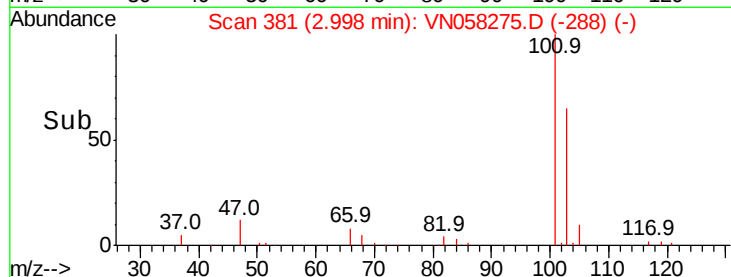
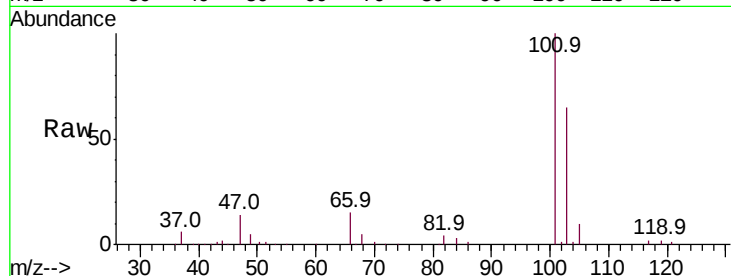


#7

Trichlorofluoromethane
 Concen: 44.927 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument :
 MSVOA_N
 ClientSampled :

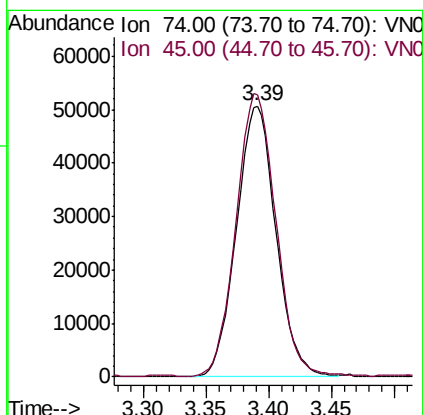
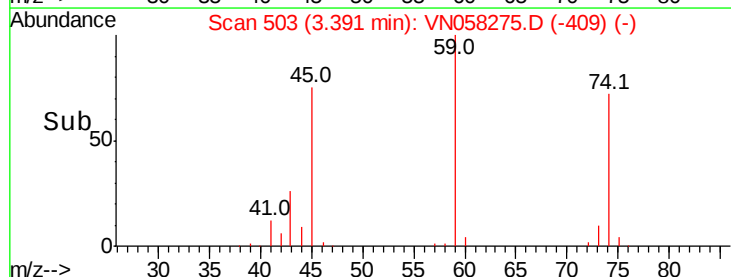
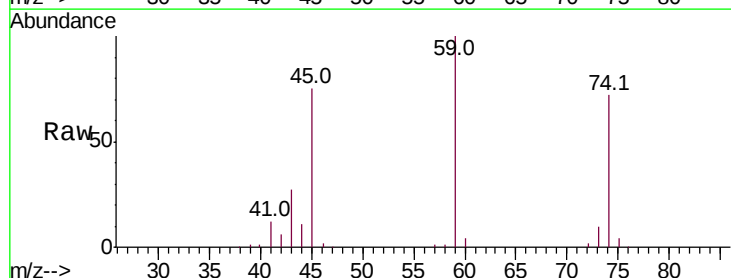
Tot Ion:101 Resp: 236864
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.0 76.6

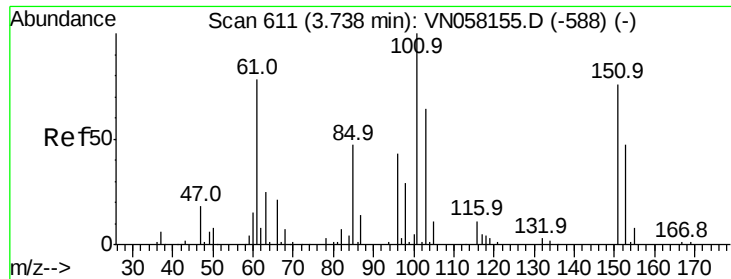


#8

Diethyl Ether
 Concen: 46.003 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion: 74 Resp: 111131
 Ion Ratio Lower Upper
 74 100
 45 106.1 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.506 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

ClientSampled :

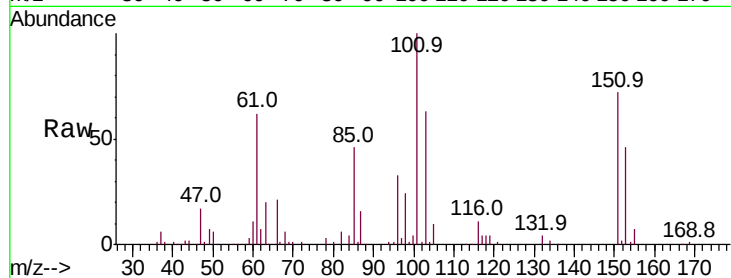
Tot Ion:101 Resp: 180583

Ion Ratio Lower Upper

101 100

85 46.9 37.3 55.9

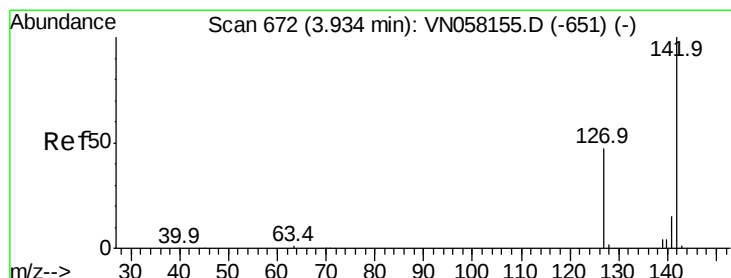
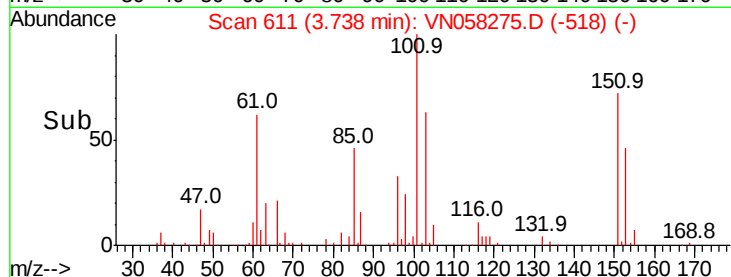
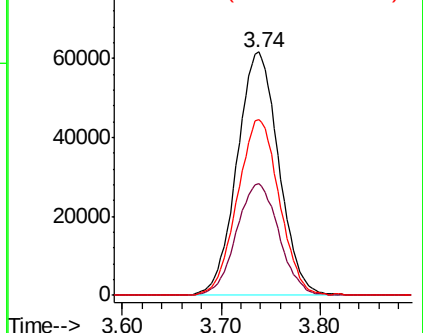
151 72.7 59.6 89.4



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: 46.938 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

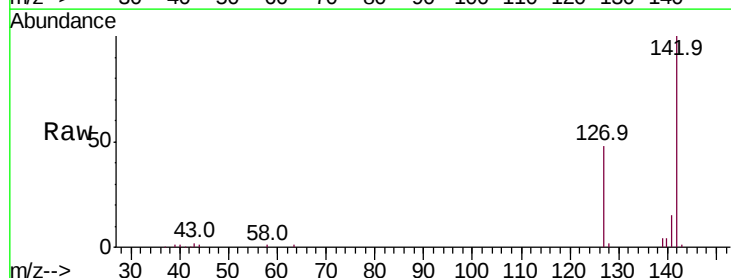
Tgt Ion:142 Resp: 149509

Ion Ratio Lower Upper

142 100

127 47.3 37.5 56.3

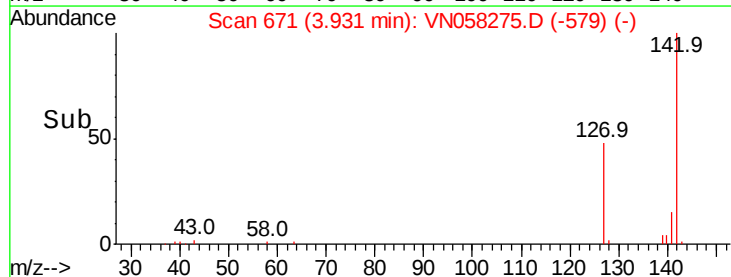
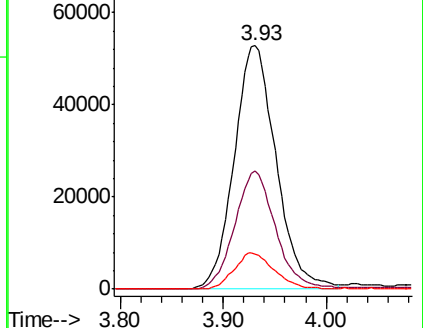
141 14.3 11.4 17.2

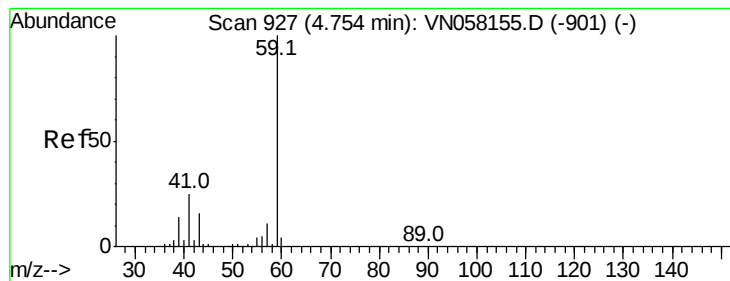


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



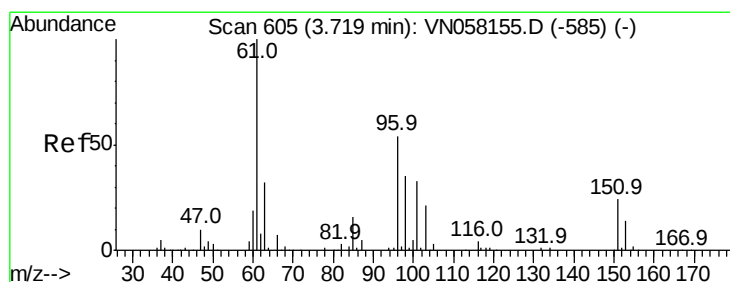
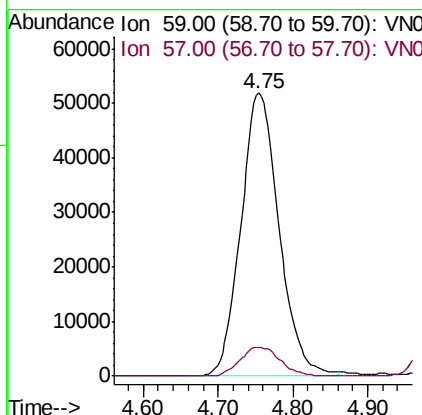
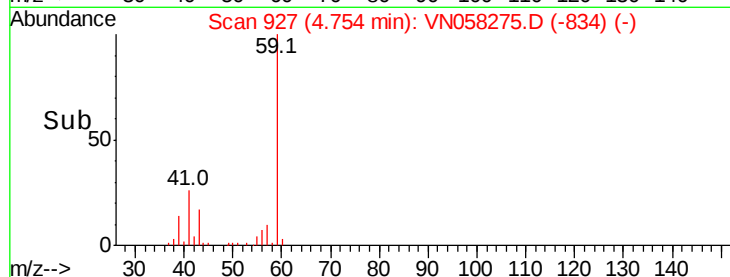
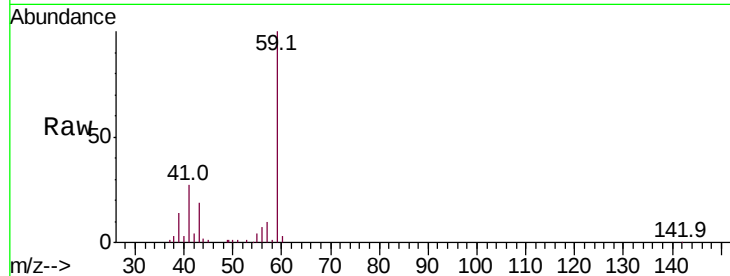


#11

Tert butyl alcohol
Concen: 236.546 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampled :

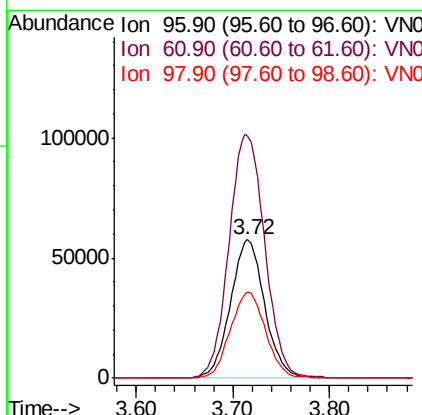
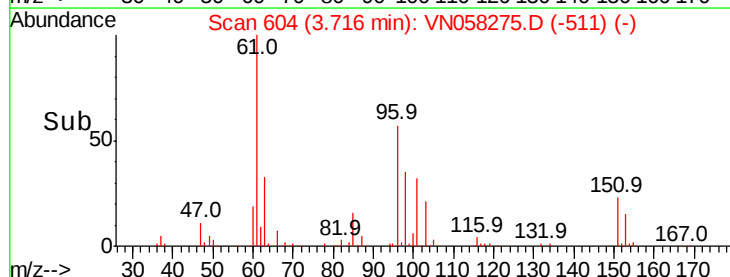
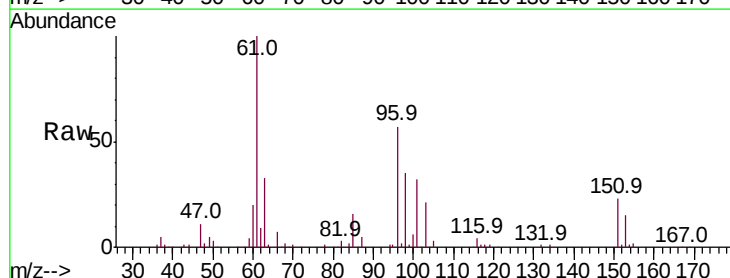
Tot Ion: 59 Resp: 184273
Ion Ratio Lower Upper
59 100
57 10.7 8.6 13.0

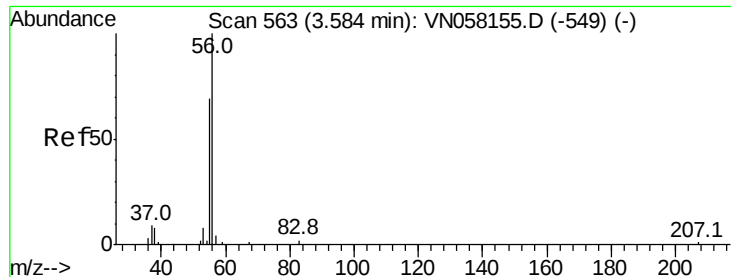


#12

1,1-Dichloroethene
Concen: 49.170 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion: 96 Resp: 141859
Ion Ratio Lower Upper
96 100
61 175.3 149.5 224.3
98 62.0 52.4 78.6





#13

Acrolein

Concen: 322.502 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

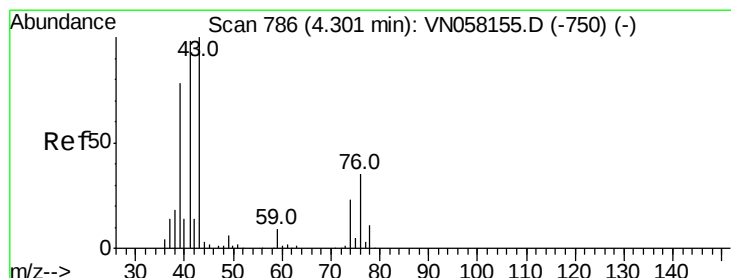
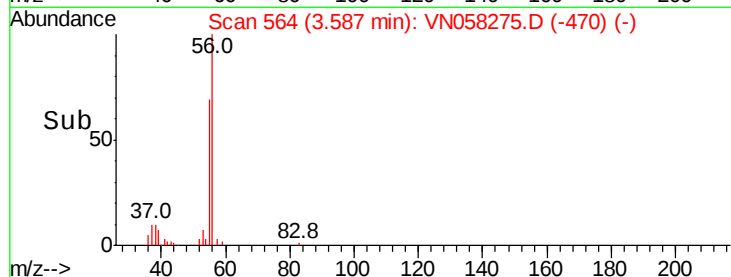
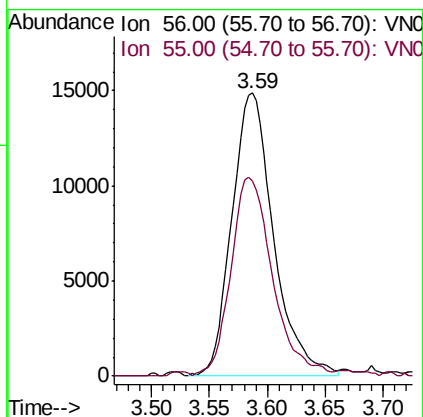
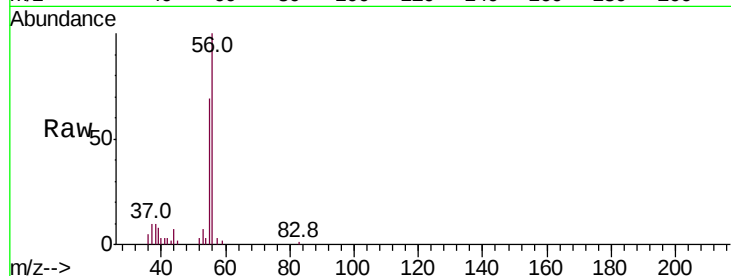
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 37232

Ion Ratio Lower Upper

56 100

55 70.1 56.1 84.1



#14

Allyl chloride

Concen: 44.209 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

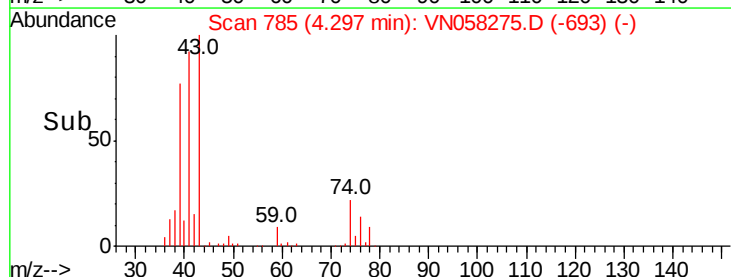
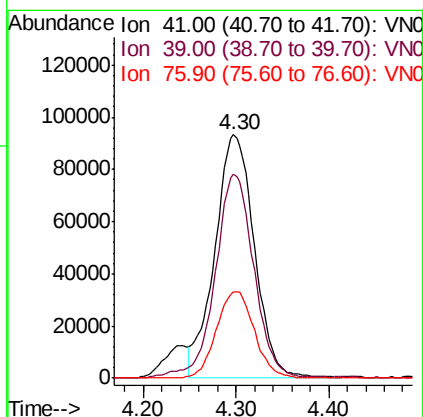
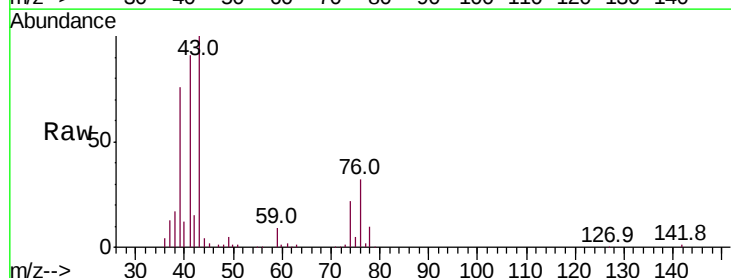
Tgt Ion: 41 Resp: 274984

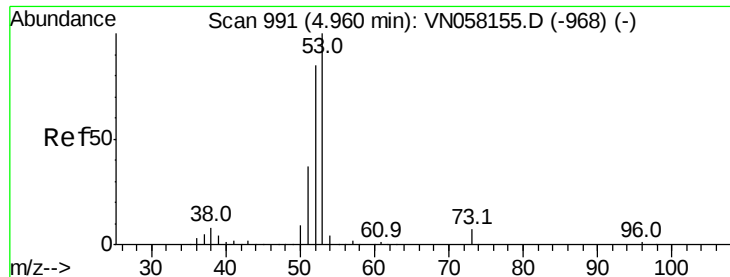
Ion Ratio Lower Upper

41 100

39 82.4 59.1 88.7

76 34.2 25.1 37.7





#15

Acrylonitrile

Concen: 261.050 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampleId :

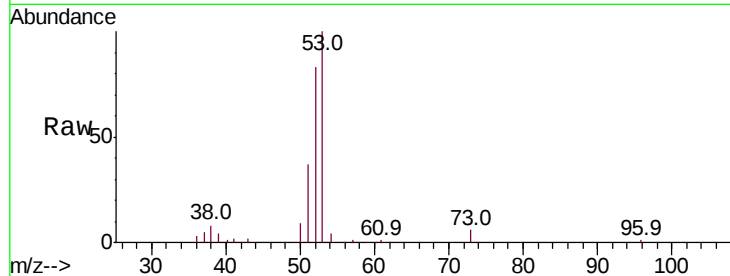
Tot Ion: 53 Resp: 541815

Ion Ratio Lower Upper

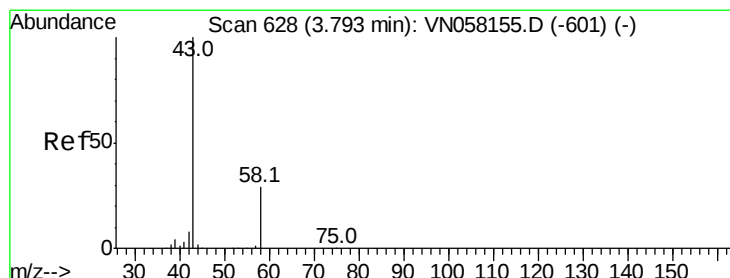
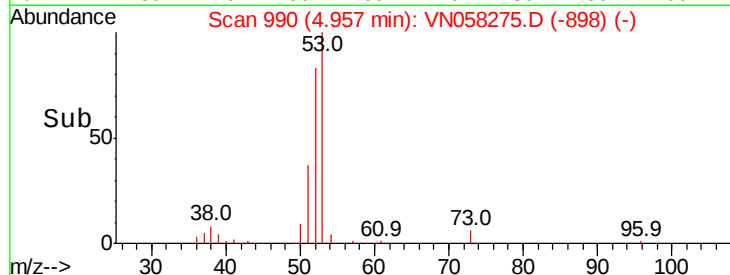
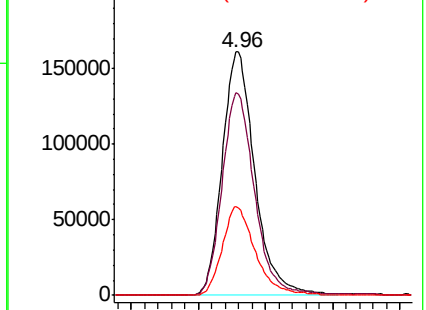
53 100

52 83.1 66.6 100.0

51 37.2 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VNO
Ion 52.00 (51.70 to 52.70): VNO
Ion 51.00 (50.70 to 51.70): VNO



#16

Acetone

Concen: 294.684 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058275.D

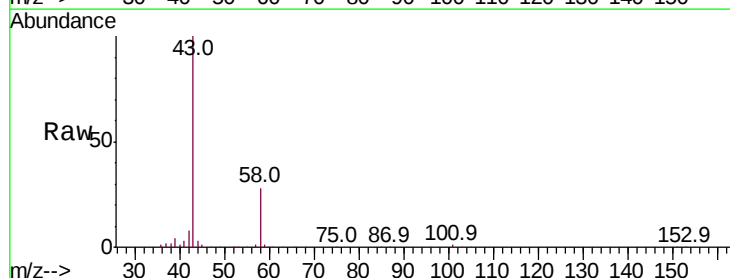
Acq: 23 Sep 2019 8:42

Tgt Ion: 43 Resp: 655079

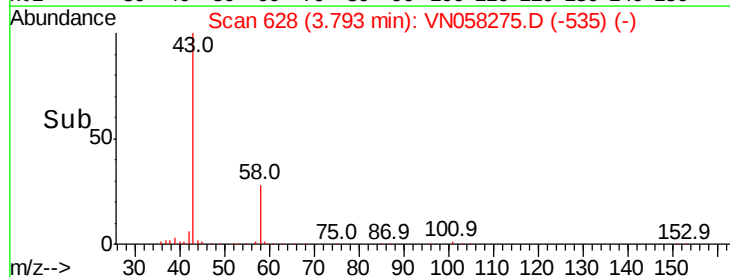
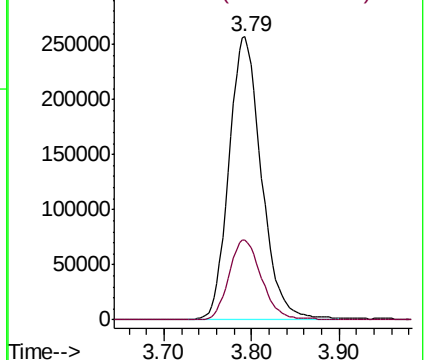
Ion Ratio Lower Upper

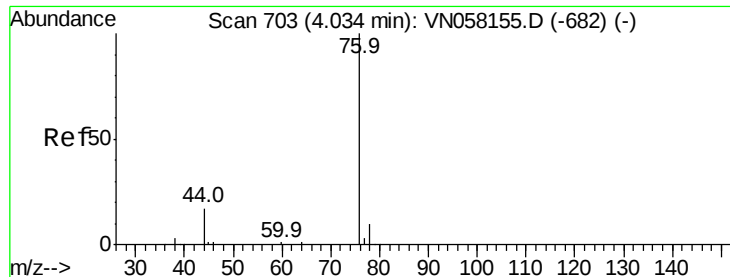
43 100

58 28.1 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

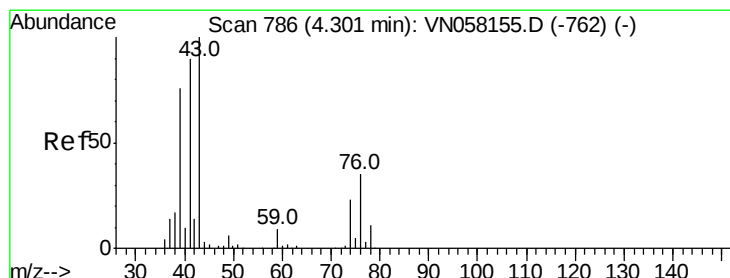
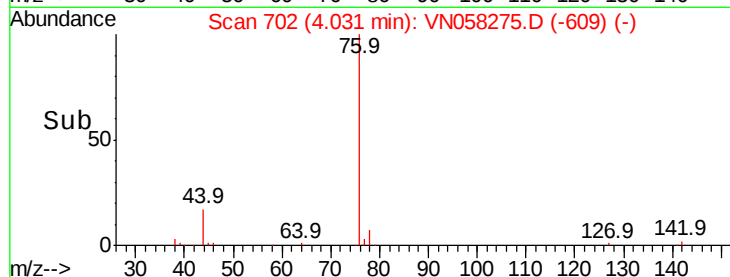
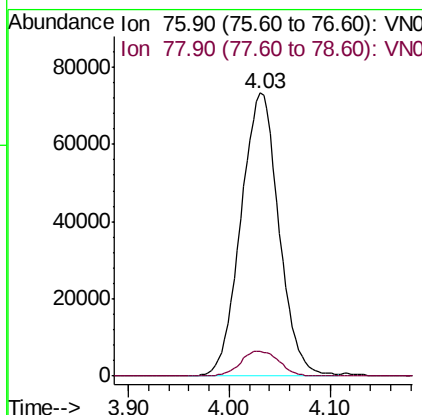
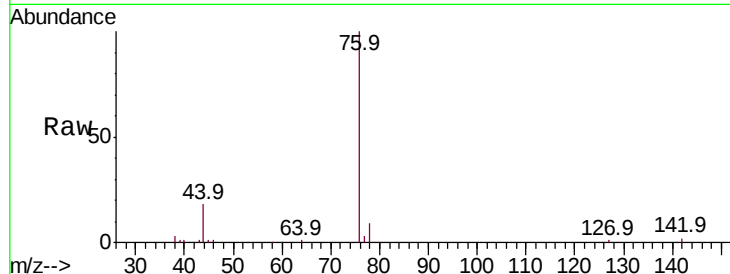




#17
Carbon Disulfide
Concen: 47.259 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

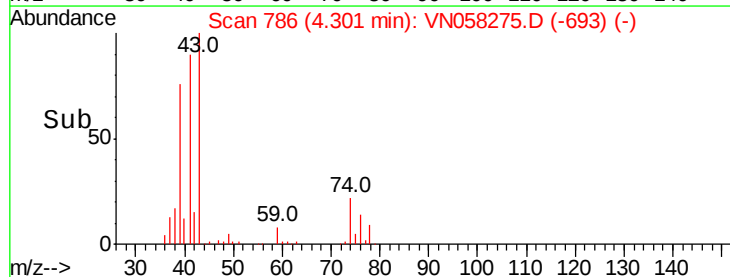
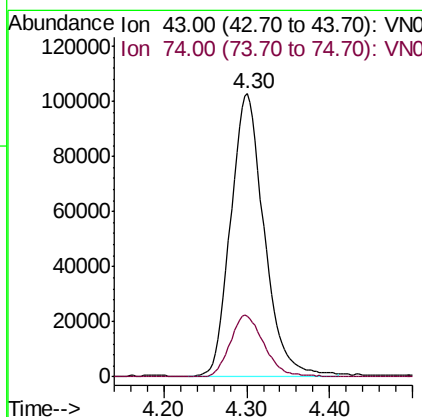
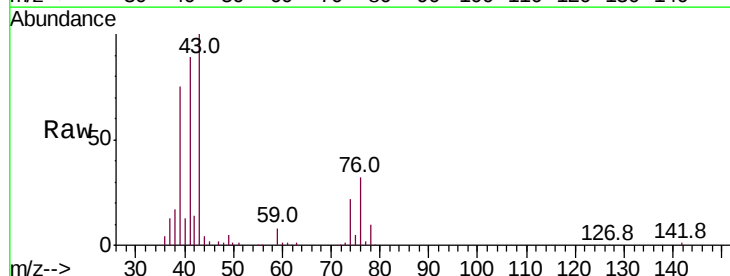
Instrument :
MSVOA_N
ClientSampleId :

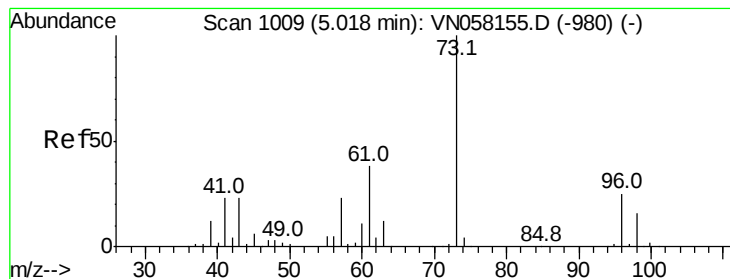
Tot Ion: 76 Resp: 191834
Ion Ratio Lower Upper
76 100
78 8.8 7.7 11.5



#18
Methyl Acetate
Concen: 49.130 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion: 43 Resp: 287383
Ion Ratio Lower Upper
43 100
74 22.2 18.0 27.0



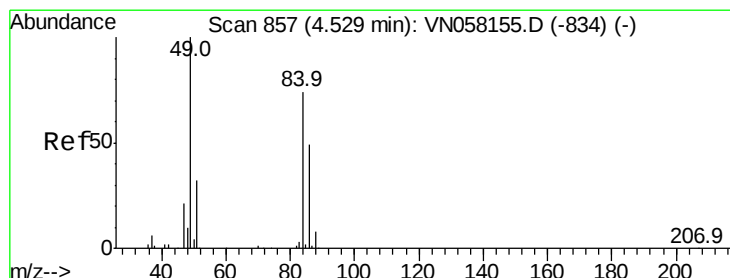
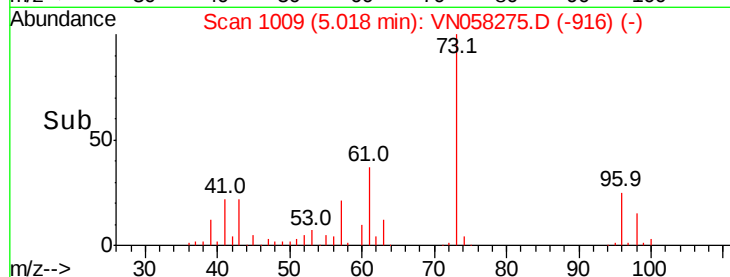
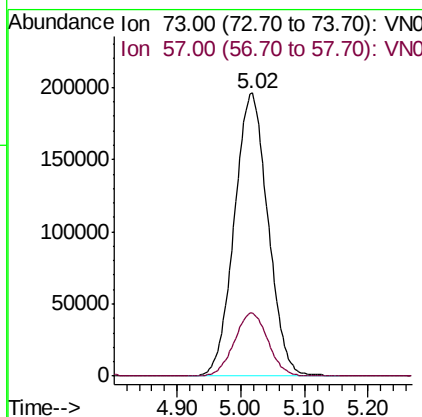
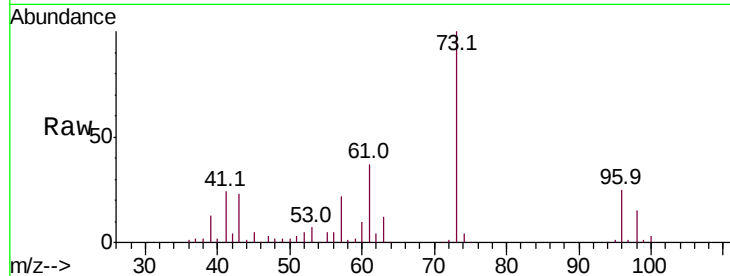


#19

Methyl tert-butyl Ether
 Concen: 50.269 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Instrument :
 MSVOA_N
 ClientSampled :

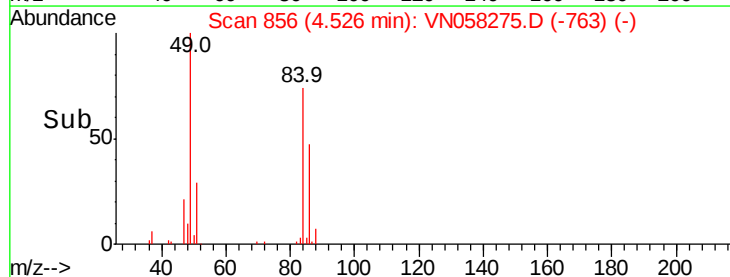
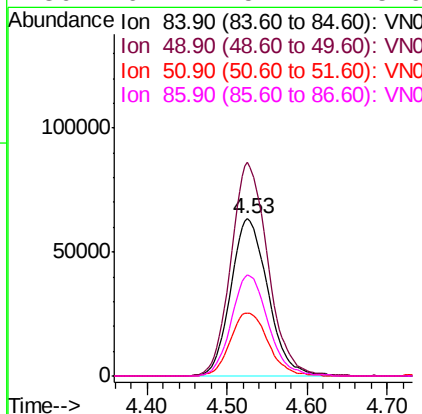
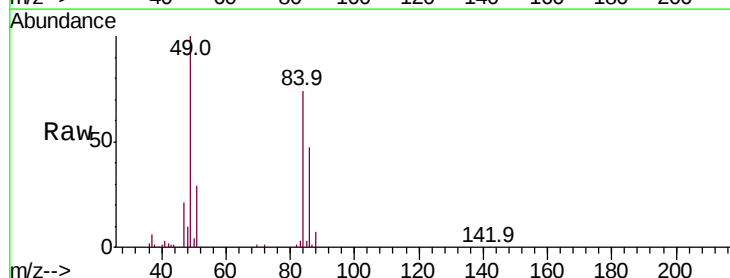
Tot Ion: 73 Resp: 720711
 Ion Ratio Lower Upper
 73 100
 57 22.2 18.1 27.1

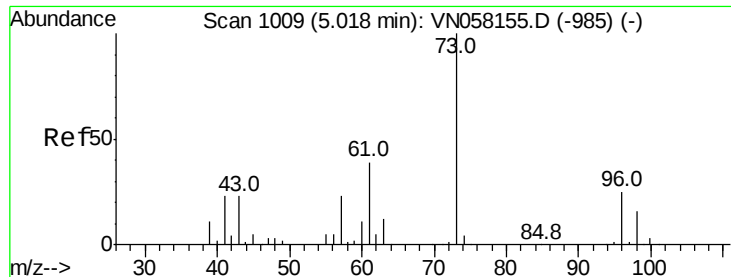


#20

Methylene Chloride
 Concen: 51.457 ug/l
 RT: 4.53 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion: 84 Resp: 200247
 Ion Ratio Lower Upper
 84 100
 49 135.9 107.5 161.3
 51 40.0 33.9 50.9
 86 64.1 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 49.176 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampled :

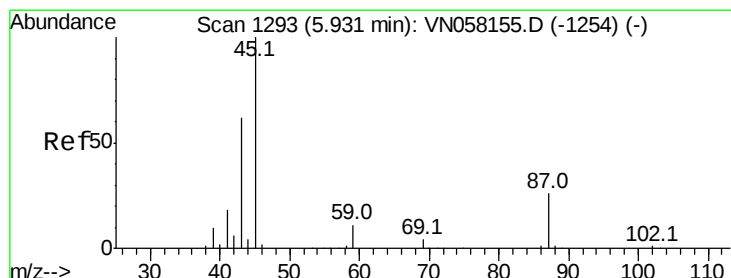
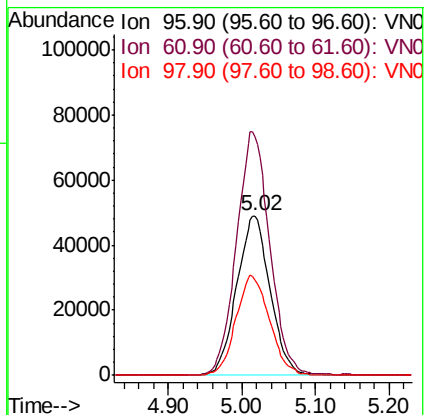
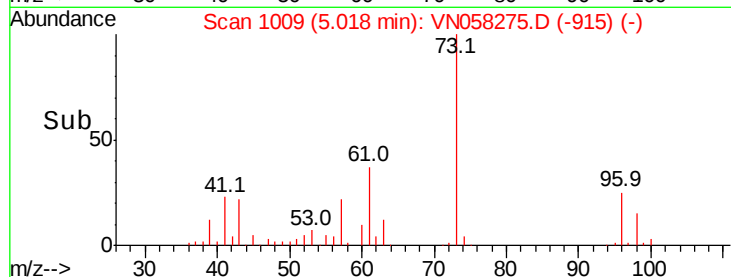
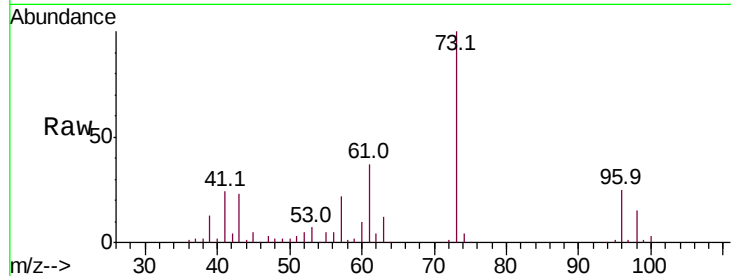
Tot Ion: 96 Resp: 154603

Ion Ratio Lower Upper

96 100

61 149.6 122.2 183.4

98 59.9 49.9 74.9



#22

Diisopropyl ether

Concen: 51.367 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Tgt Ion: 45 Resp: 811609

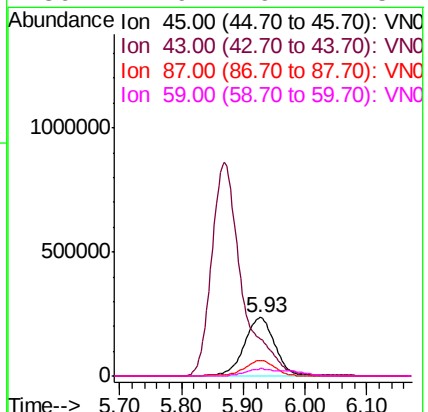
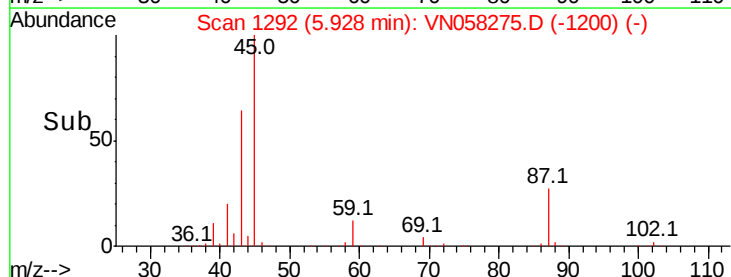
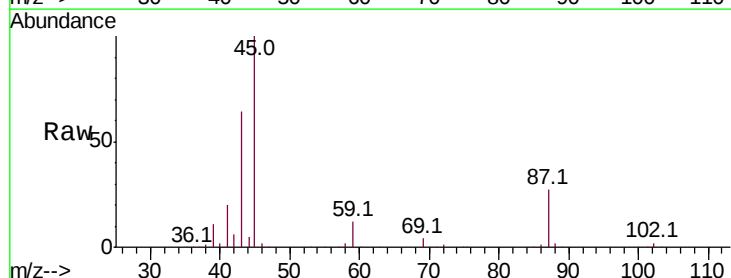
Ion Ratio Lower Upper

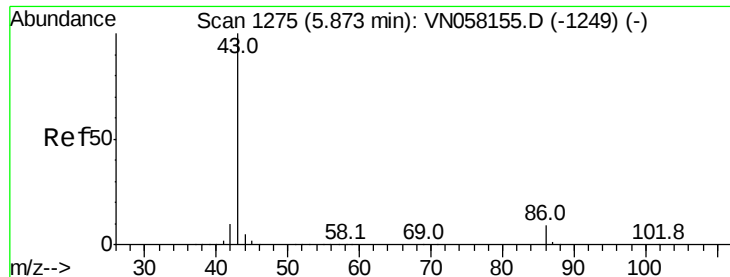
45 100

43 62.5 49.7 74.5

87 26.8 20.7 31.1

59 11.9 9.1 13.7





#23

Vinyl Acetate

Concen: 271.001 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

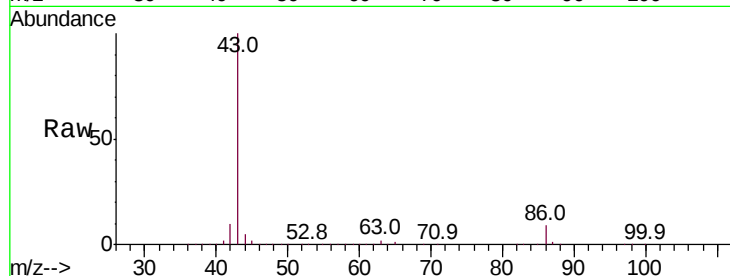
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2929910

Ion Ratio Lower Upper

43 100

86 9.2 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1249) (-)

Ion 86.00 (85.70 to 86.70): VN058155.D (-1249) (-)

5.87

800000

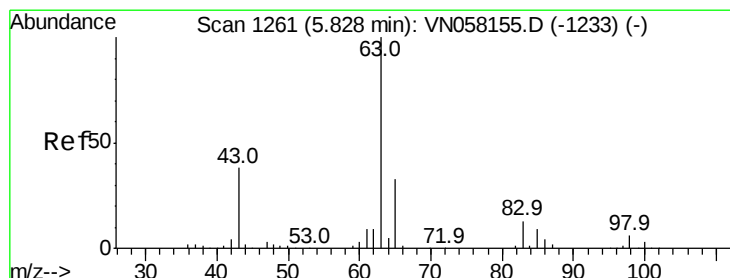
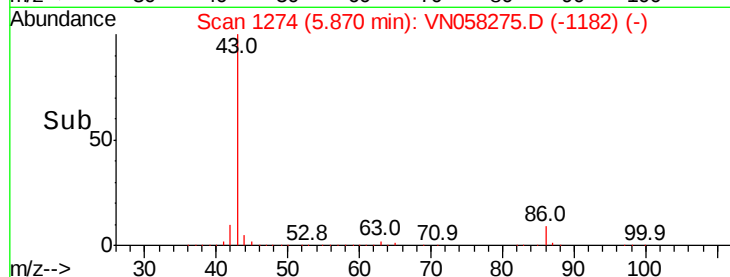
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.770 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

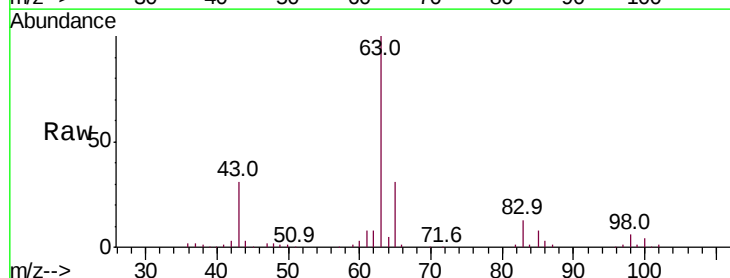
Tgt Ion: 63 Resp: 419704

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 4.0 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN058155.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN058155.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN058155.D (-1233) (-)

5.82

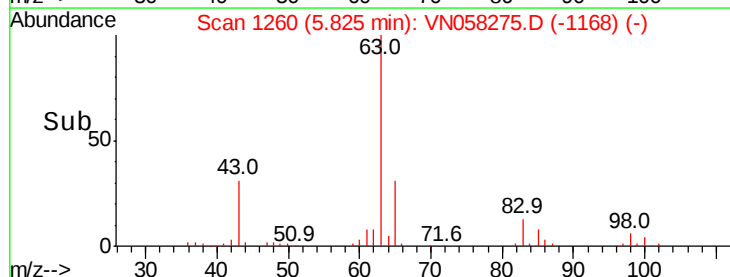
150000

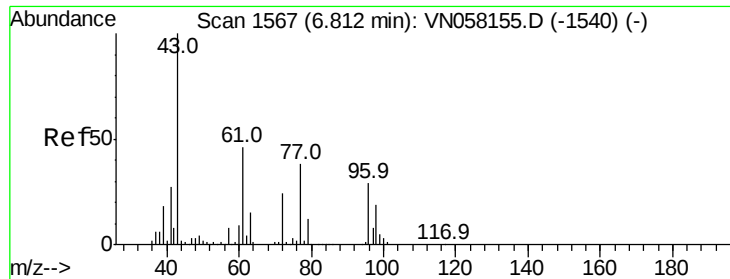
100000

50000

0

Time-->





#25

2-Butanone

Concen: 279.944 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

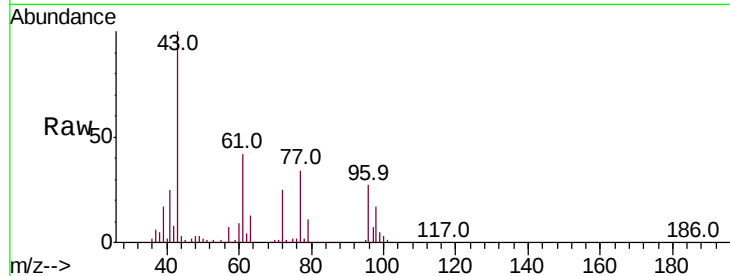
ClientSampled :

Tot Ion: 43 Resp: 847826

Ion Ratio Lower Upper

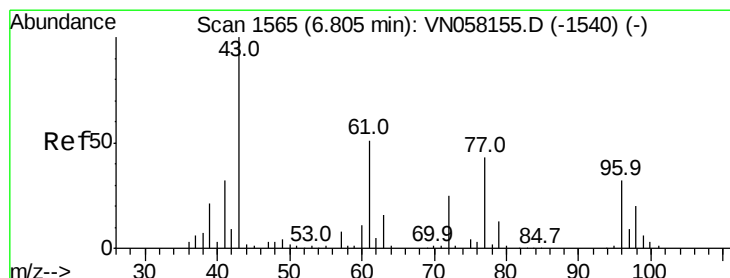
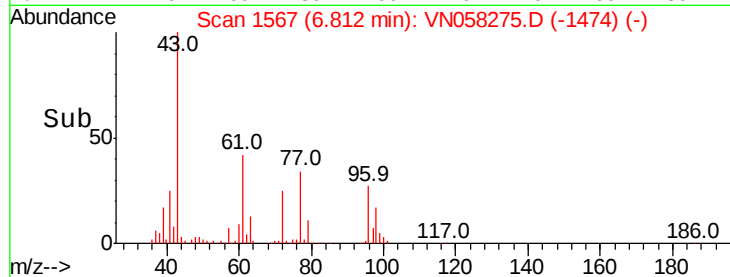
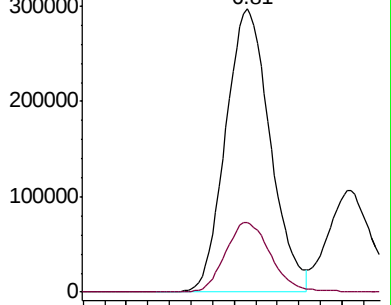
43 100

72 24.8 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 49.821 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058275.D

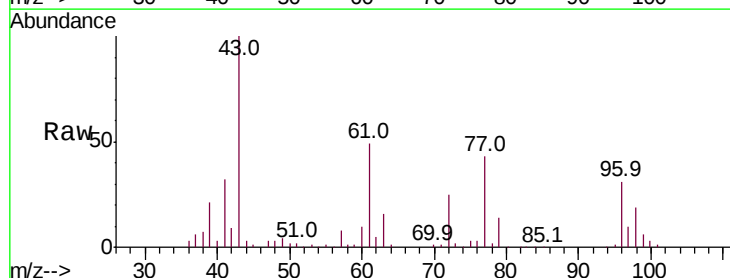
Acq: 23 Sep 2019 8:42

Tgt Ion: 77 Resp: 356431

Ion Ratio Lower Upper

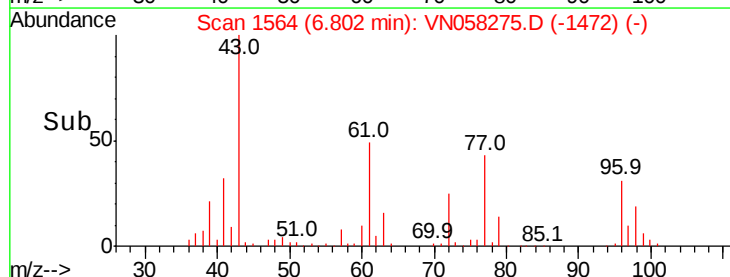
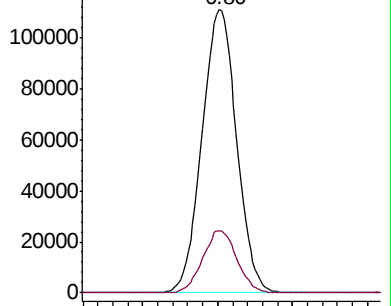
77 100

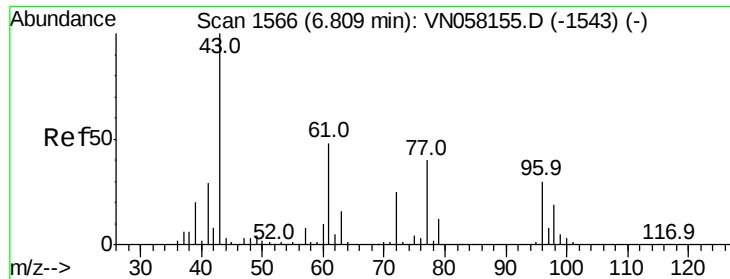
97 21.8 10.5 31.6



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: 48.962 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampleId :

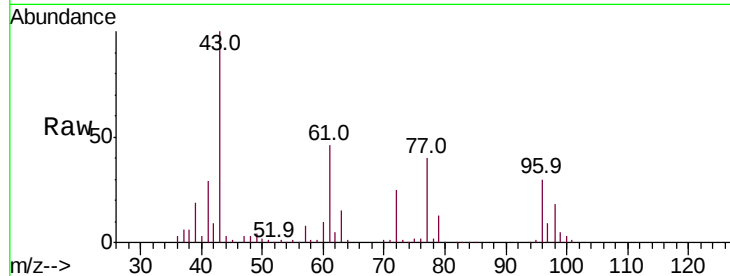
Tot Ion: 96 Resp: 233464

Ion Ratio Lower Upper

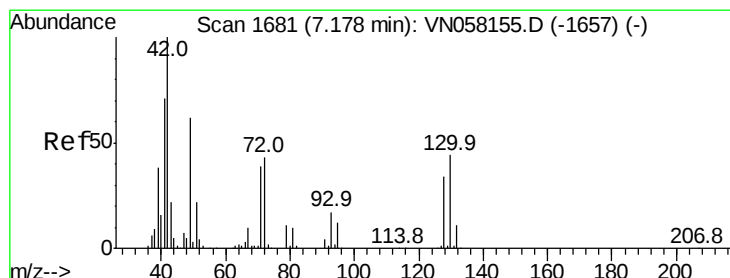
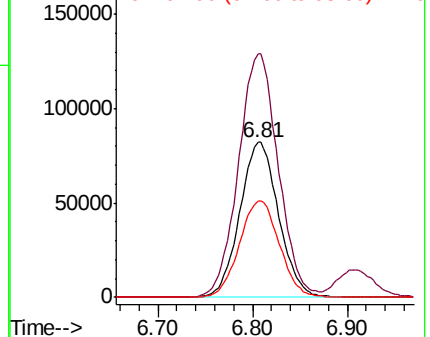
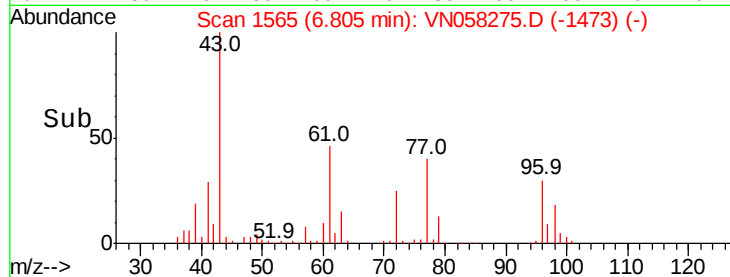
96 100

61 161.5 0.0 319.0

98 64.3 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 53.873 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

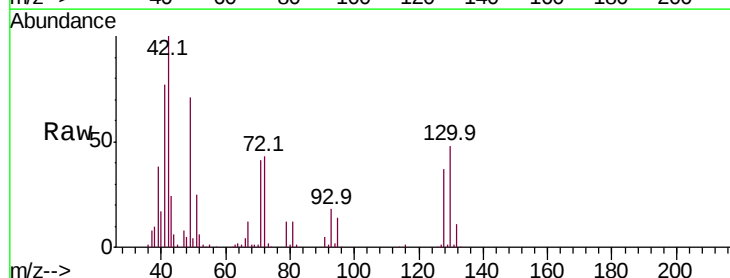
Tgt Ion: 49 Resp: 214916

Ion Ratio Lower Upper

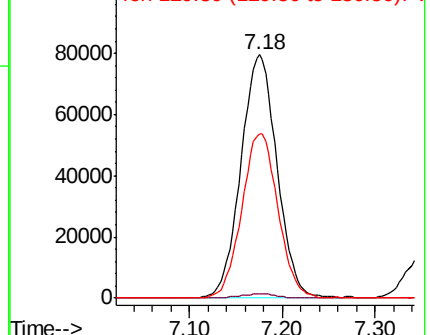
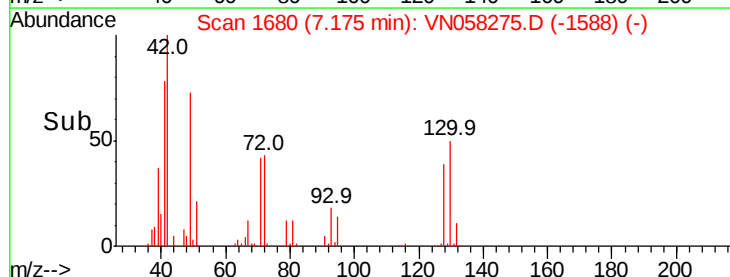
49 100

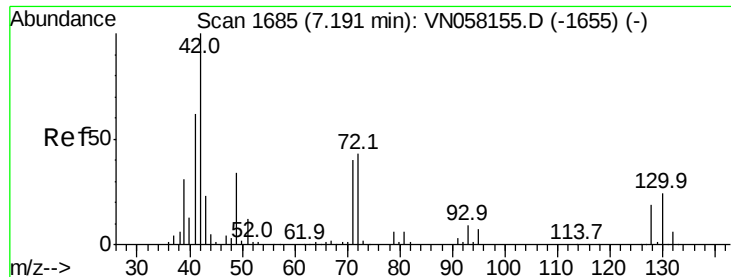
129 1.7 0.0 1.8

130 67.7 55.4 83.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

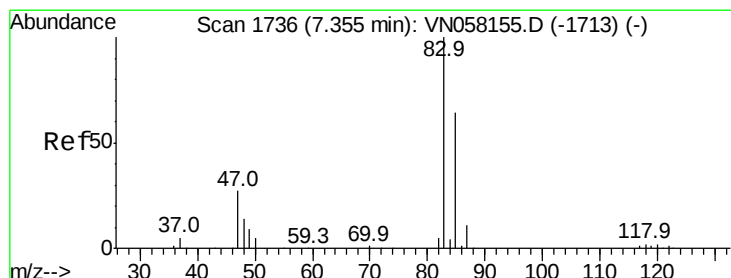
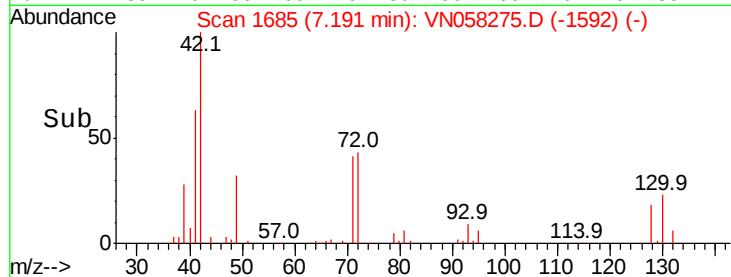
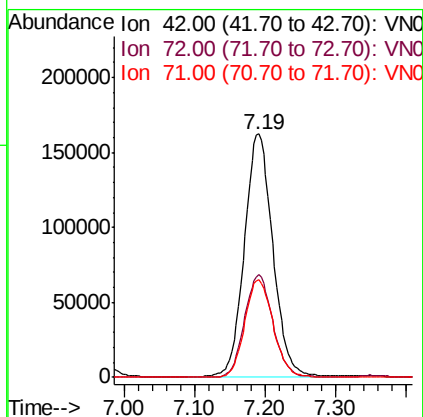
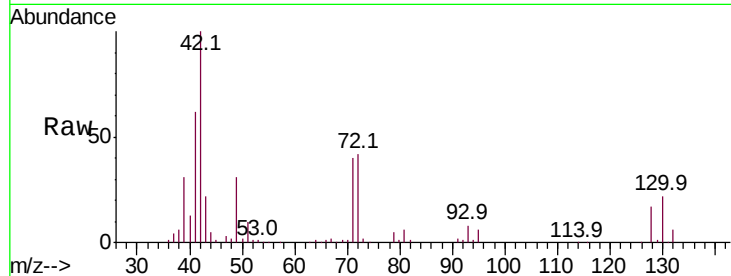




#29
Tetrahydrofuran
Concen: 245.919 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

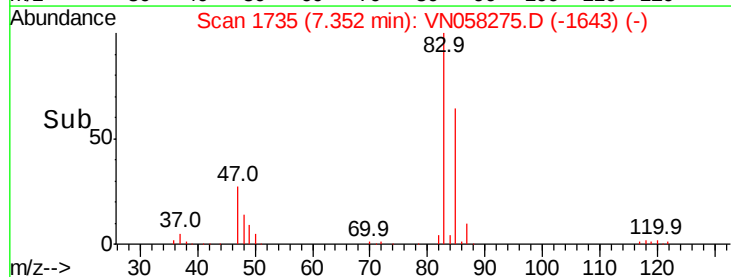
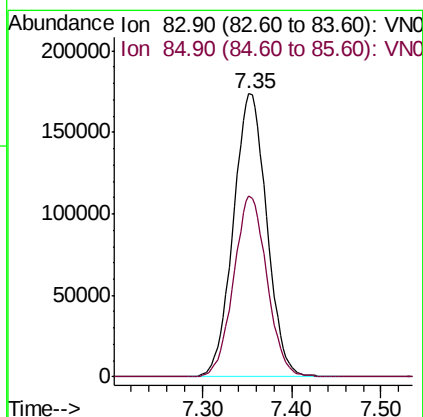
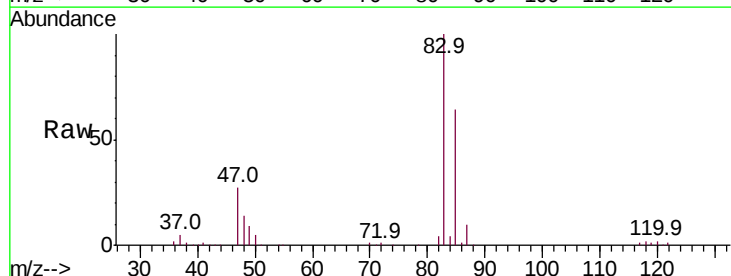
Instrument :
MSVOA_N
ClientSampleId :

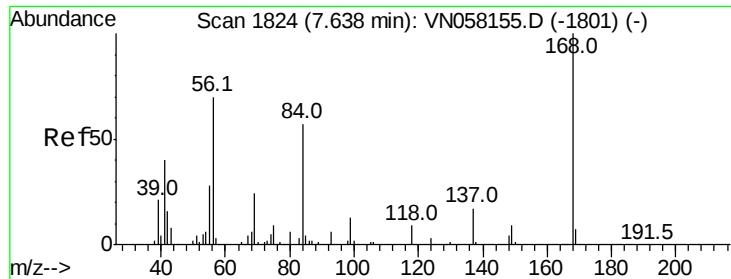
Tot Ion: 42 Resp: 458763
Ion Ratio Lower Upper
42 100
72 41.8 33.8 50.6
71 39.8 31.4 47.0



#30
Chloroform
Concen: 49.862 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion: 83 Resp: 452609
Ion Ratio Lower Upper
83 100
85 63.8 51.4 77.2

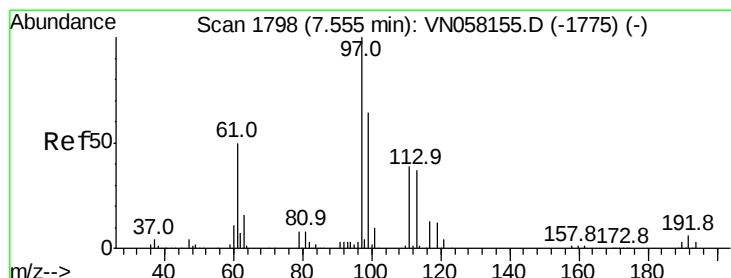
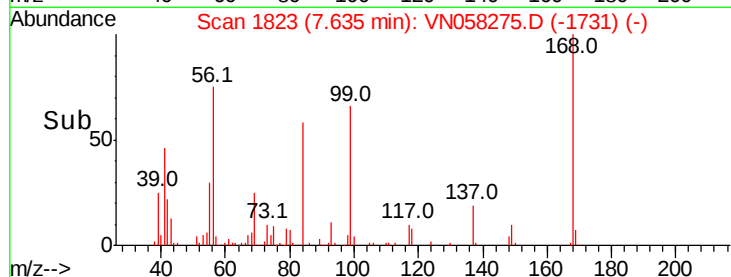
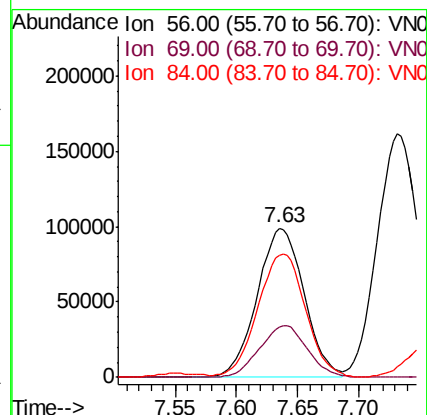
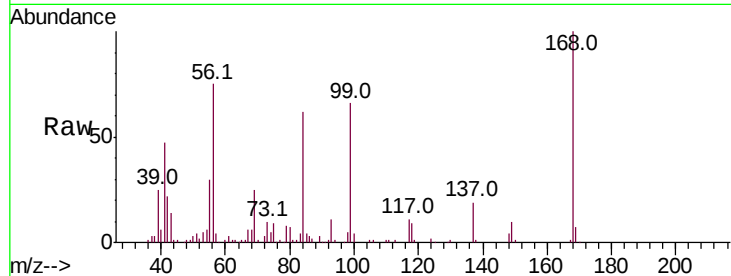




#31
Cyclohexane
Concen: 48.475 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

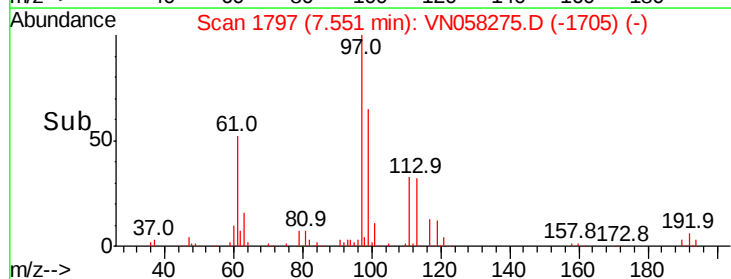
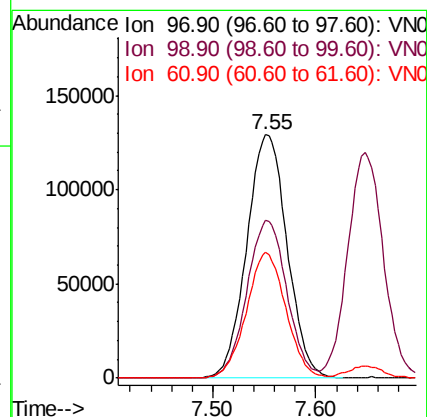
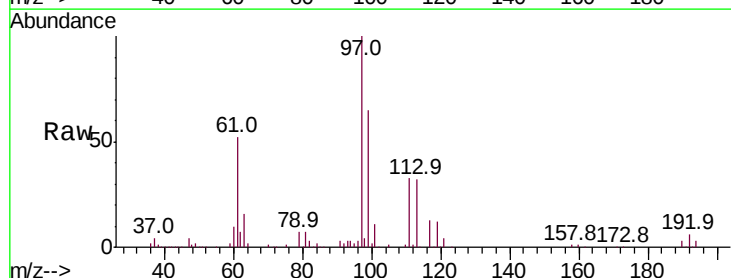
Instrument :
MSVOA_N
ClientSampled :

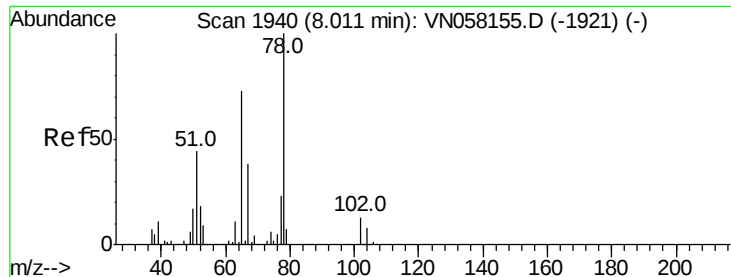
Tot Ion: 56 Resp: 264642
Ion Ratio Lower Upper
56 100
69 33.3 27.3 40.9
84 80.0 65.0 97.4



#32
1,1,1-Trichloroethane
Concen: 50.831 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion: 97 Resp: 351258
Ion Ratio Lower Upper
97 100
99 64.2 50.9 76.3
61 50.4 39.2 58.8





#33

1,2-Dichloroethane-d4

Concen: 52.094 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

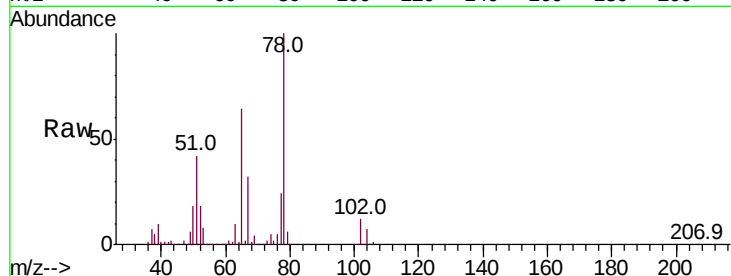
ClientSampleId :

Tot Ion: 65 Resp: 341162

Ion Ratio Lower Upper

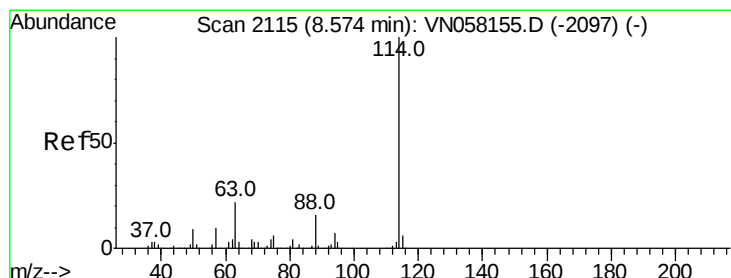
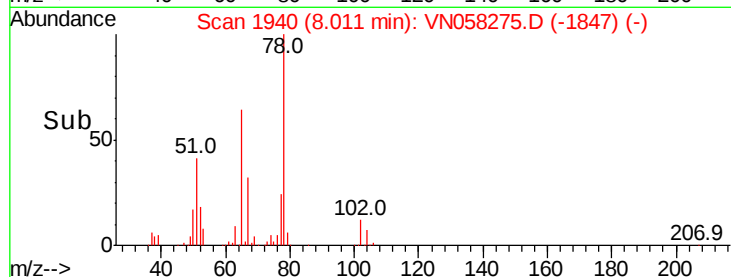
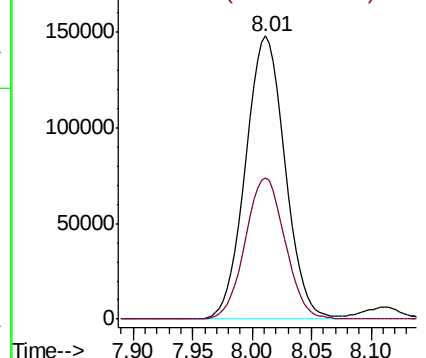
65 100

67 50.4 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

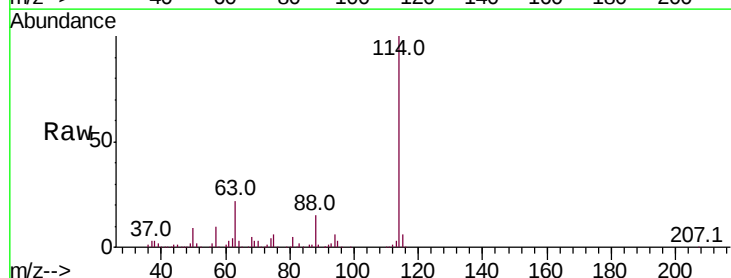
Tgt Ion: 114 Resp: 793108

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.2

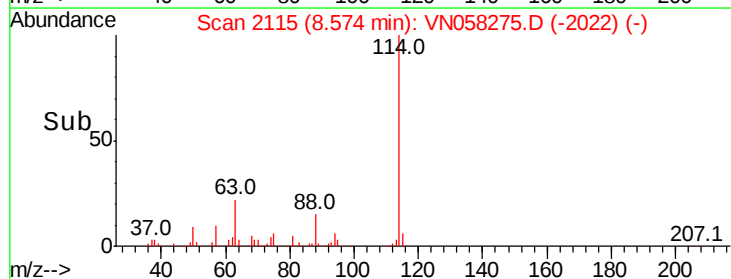
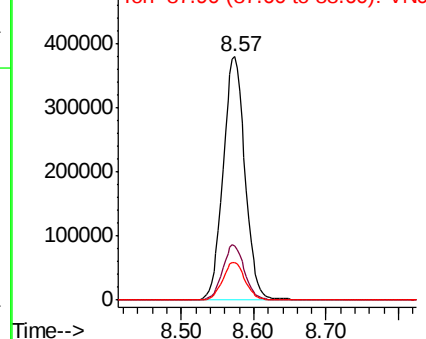
88 15.4 0.0 31.6

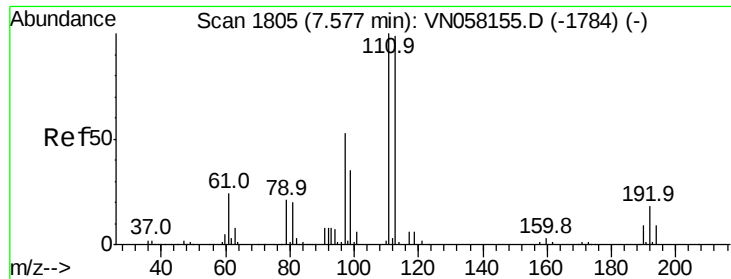


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

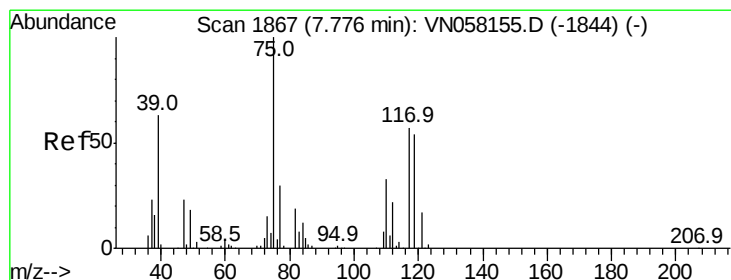
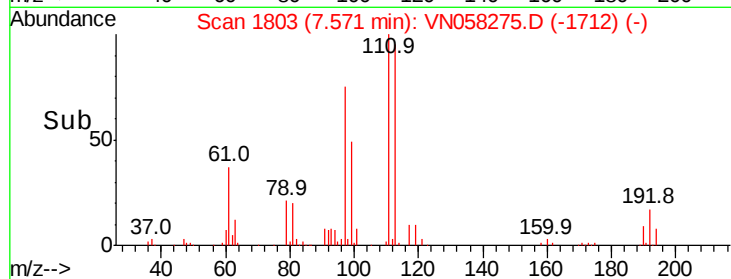
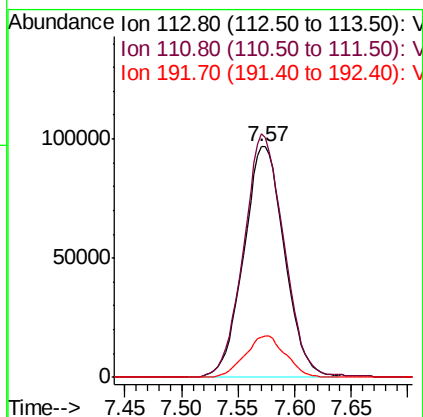
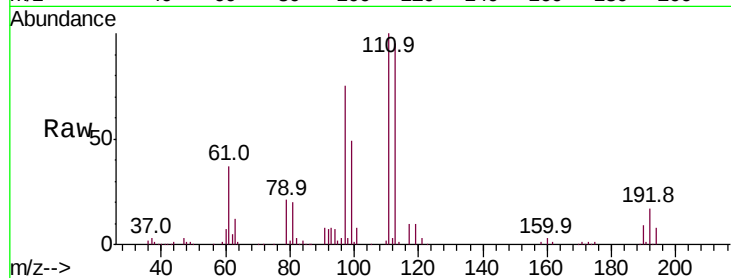




#35
 Dibromofluoromethane
 Concen: 50.327 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

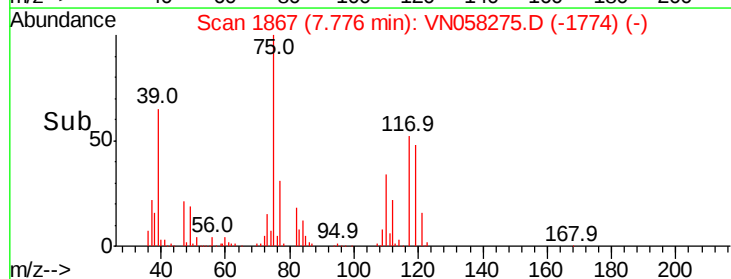
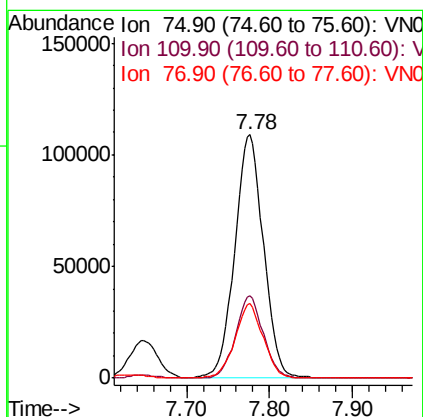
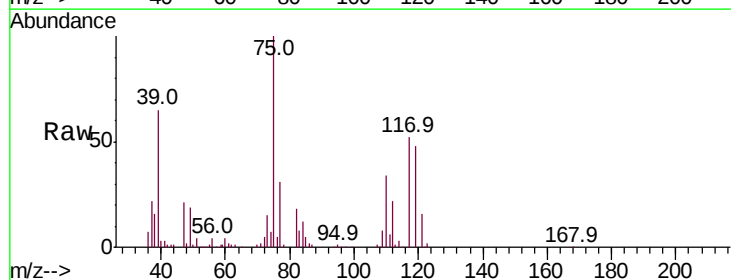
Instrument :
 MSVOA_N
 ClientSampleId :

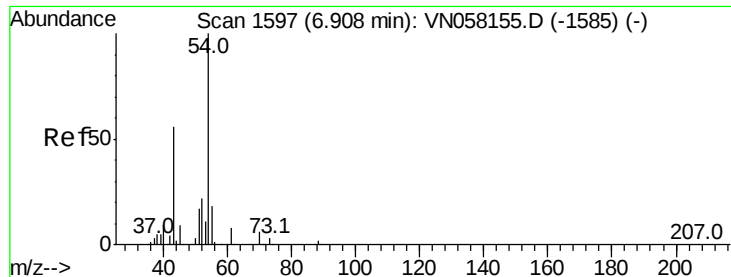
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.8	81.8	122.6
192	17.9	14.5	21.7



#36
 1,1-Dichloropropene
 Concen: 45.554 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.6	49.7
77	30.4	24.3	36.5

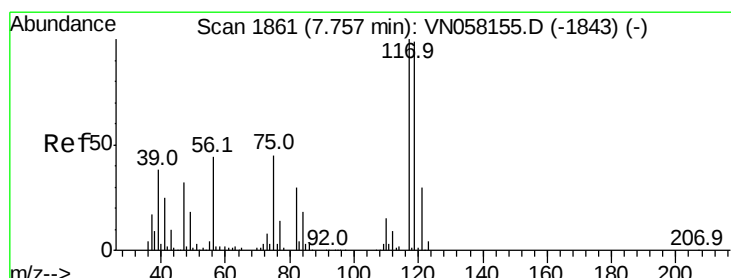
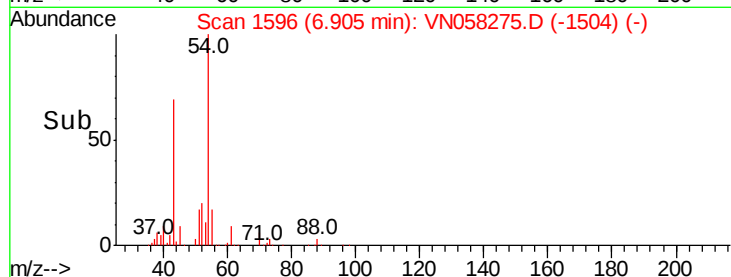
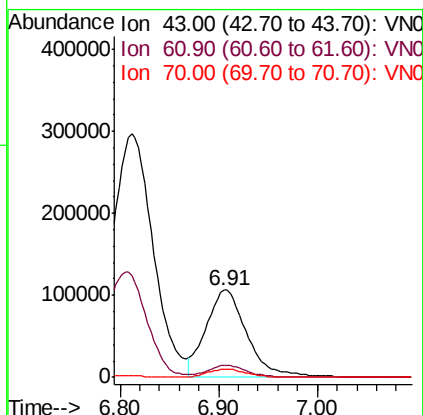
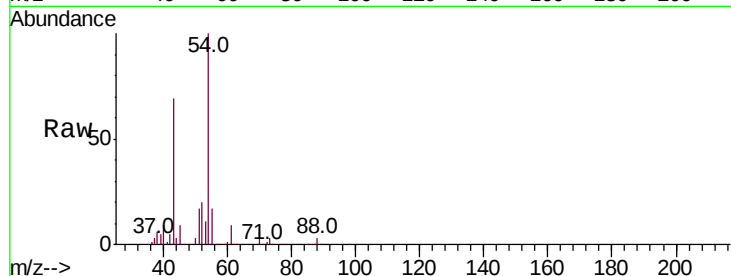




#37
Ethyl Acetate
Concen: 50.707 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

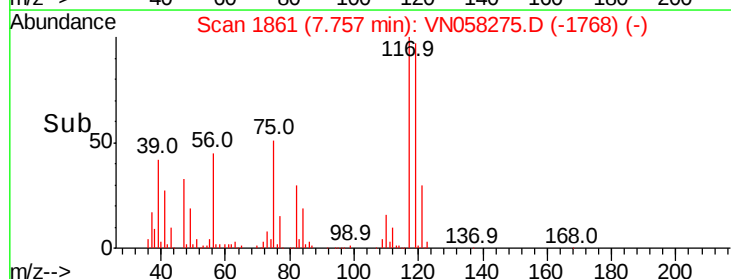
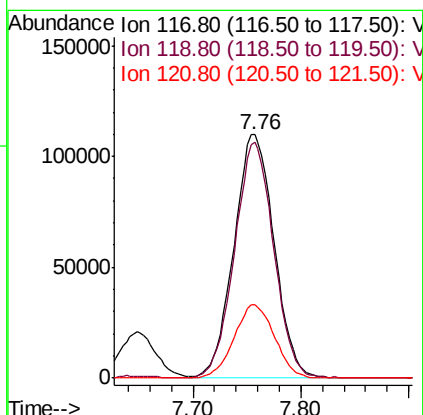
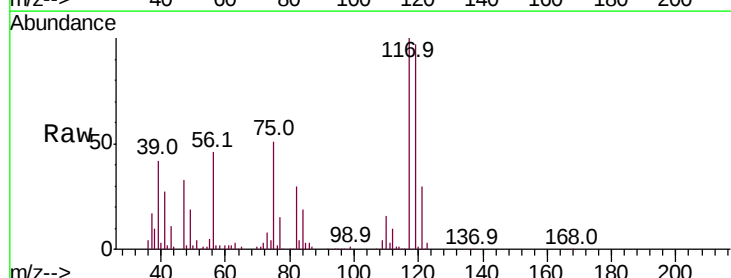
Instrument :
MSVOA_N
ClientSampleId :

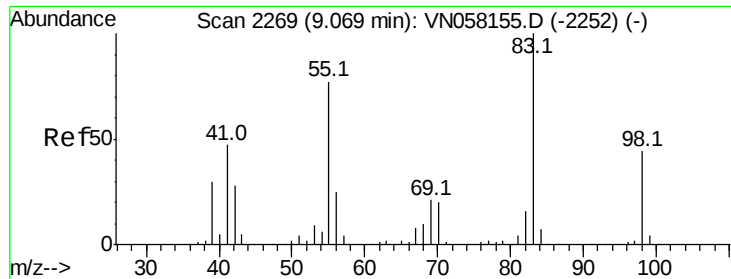
Tot Ion: 43 Resp: 300976
Ion Ratio Lower Upper
43 100
61 13.2 10.7 16.1
70 9.4 7.6 11.4



#38
Carbon Tetrachloride
Concen: 49.185 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion: 117 Resp: 282782
Ion Ratio Lower Upper
117 100
119 97.0 78.6 117.8
121 30.3 24.1 36.1

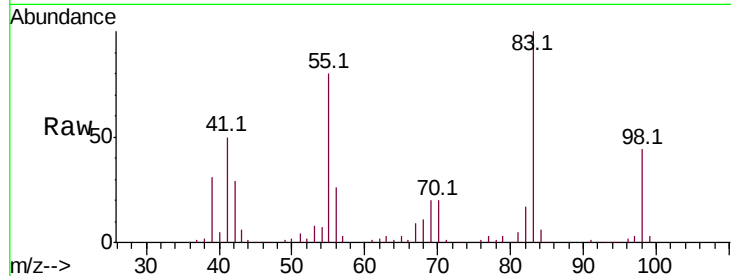




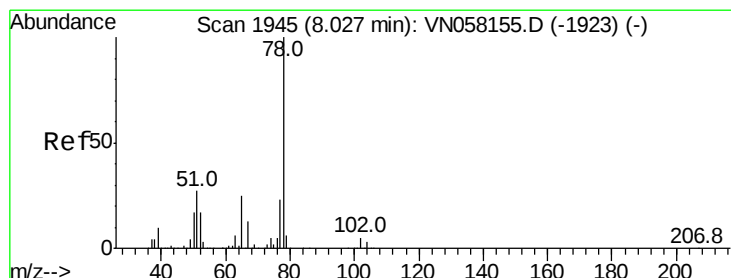
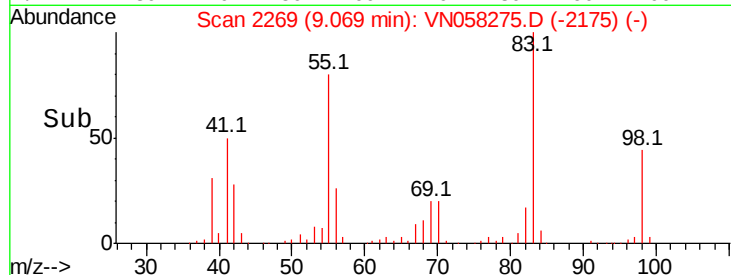
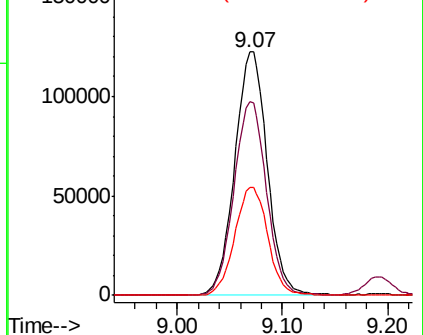
#39
Methvlcvclohexane
Concen: 47.329 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 261706
Ion Ratio Lower Upper
83 100
55 79.6 61.9 92.9
98 44.5 35.4 53.2

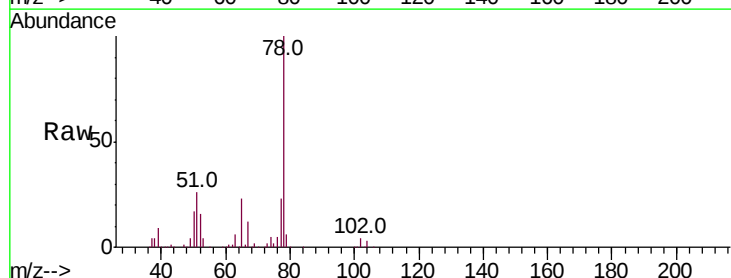


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

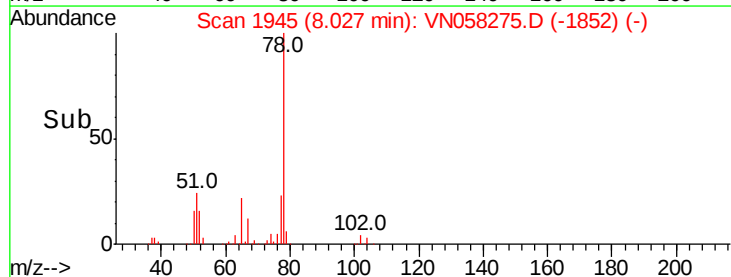
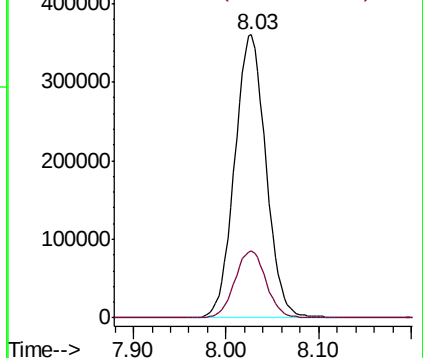


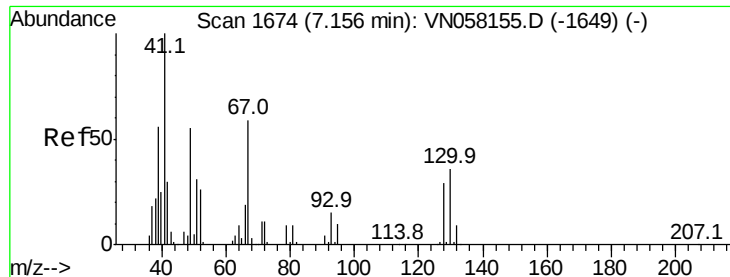
#40
Benzene
Concen: 48.207 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion: 78 Resp: 842149
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VNO
Ion 77.00 (76.70 to 77.70): VNO

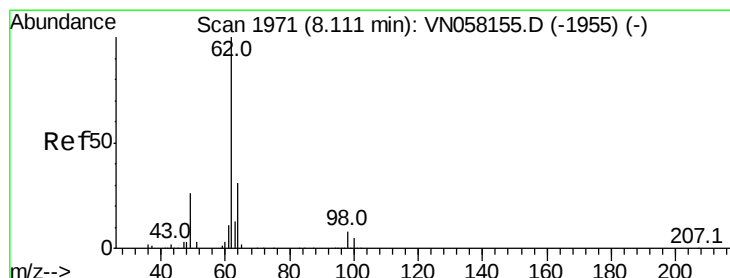
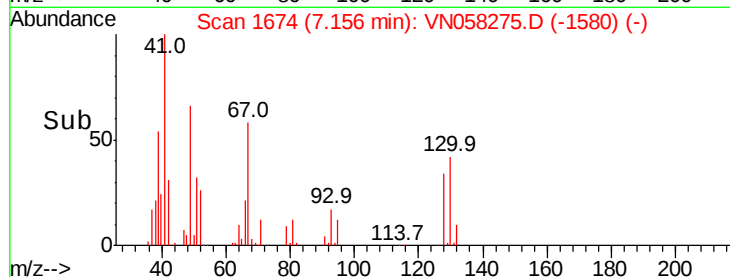
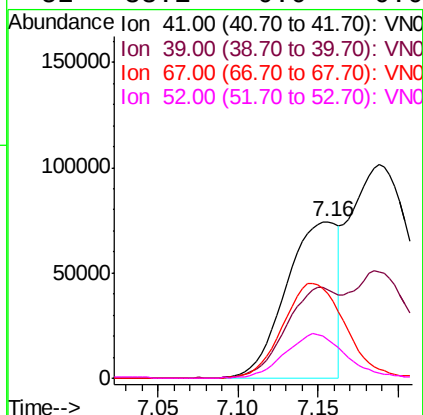
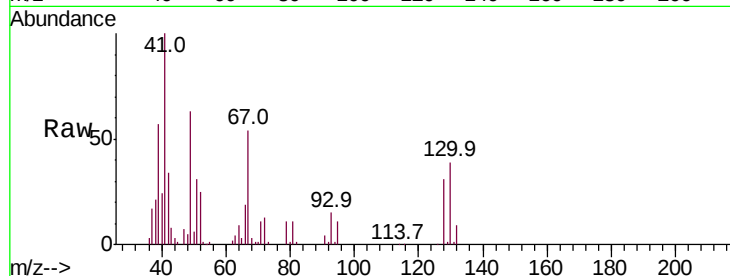




#41
Methacrylonitrile
Concen: 55.980 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

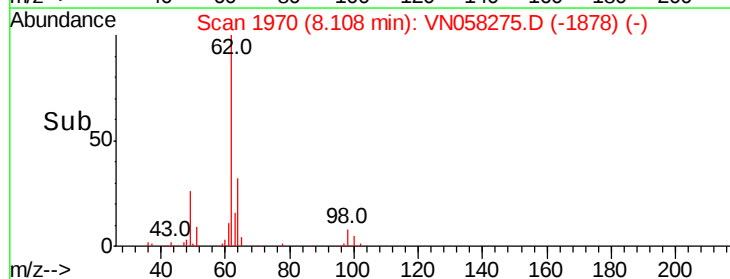
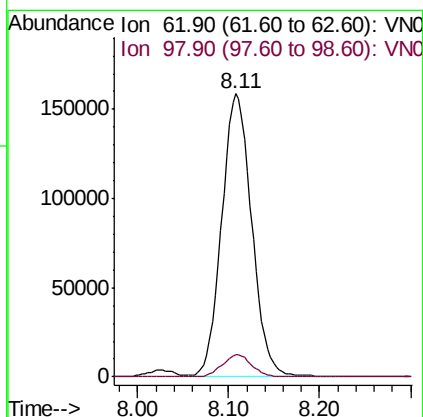
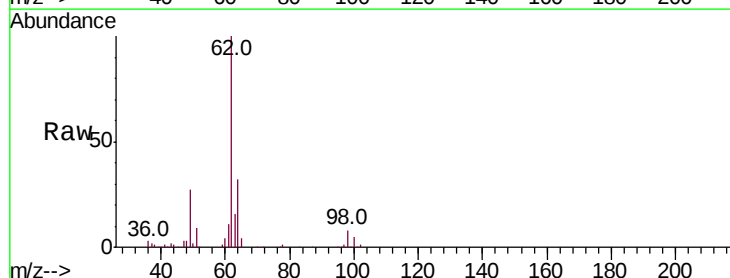
Instrument :
MSVOA_N
ClientSampled :

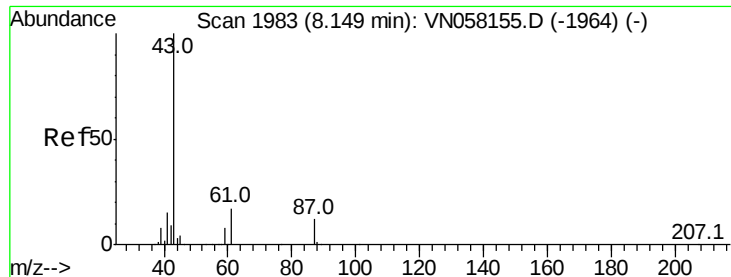
Tot Ion: 41 Resp: 167723
Ion Ratio Lower Upper
41 100
39 60.5 0.0 0.0#
67 74.0 0.0 0.0#
52 33.1 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 49.452 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion: 62 Resp: 362496
Ion Ratio Lower Upper
62 100
98 7.7 0.0 15.6

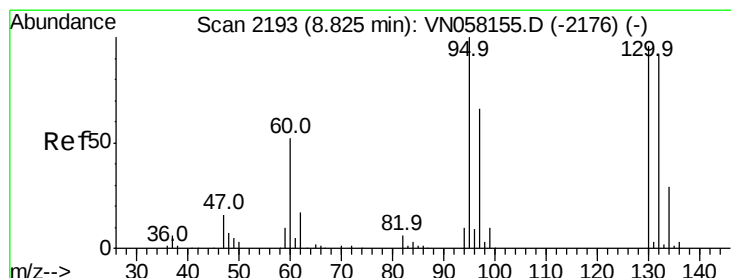
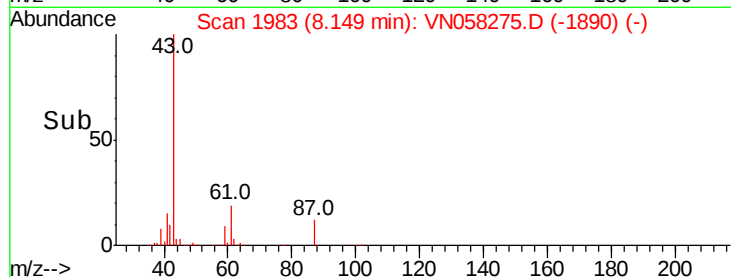
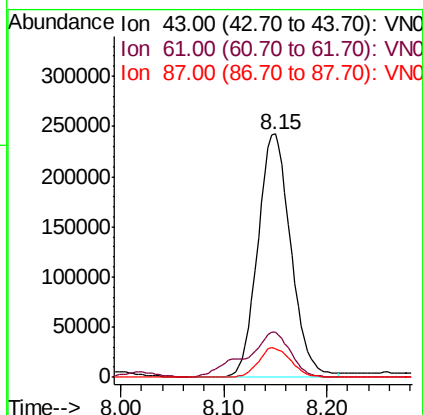
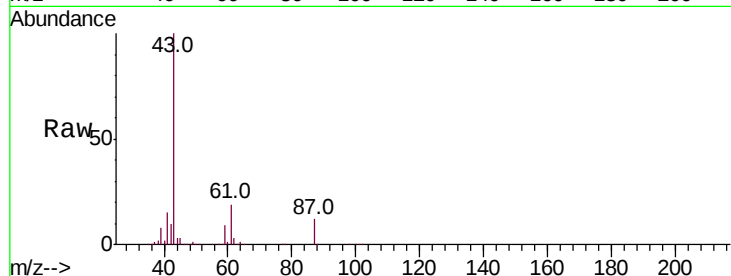




#43
Isopropyl Acetate
Concen: 48.329 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

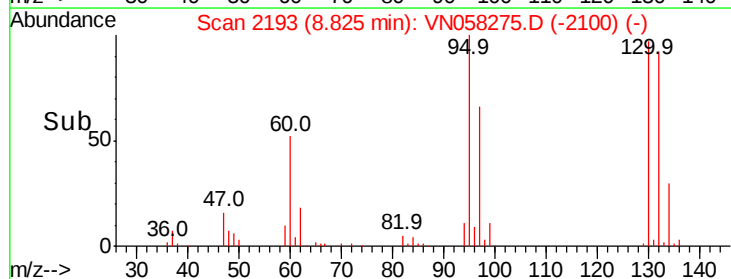
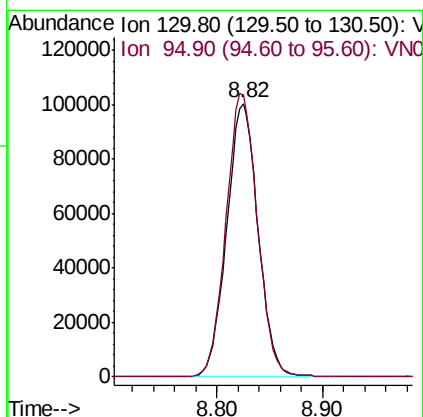
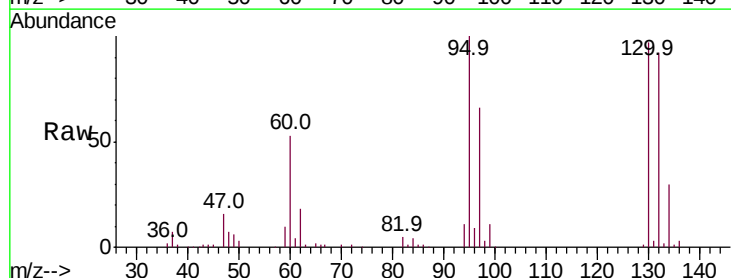
Instrument :
MSVOA_N
ClientSampleId :

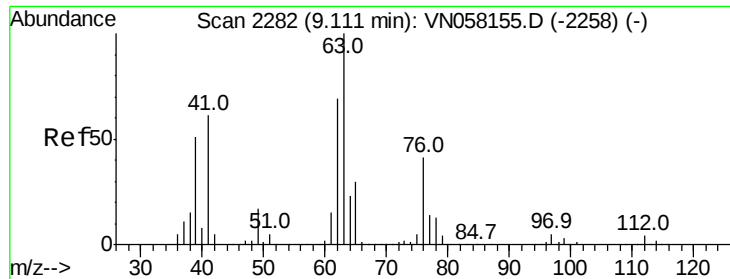
Tot Ion: 43 Resp: 535744
Ion Ratio Lower Upper
43 100
61 18.9 19.7 29.5#
87 12.1 9.4 14.2



#44
Trichloroethene
Concen: 48.365 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion:130 Resp: 206759
Ion Ratio Lower Upper
130 100
95 103.1 0.0 207.8

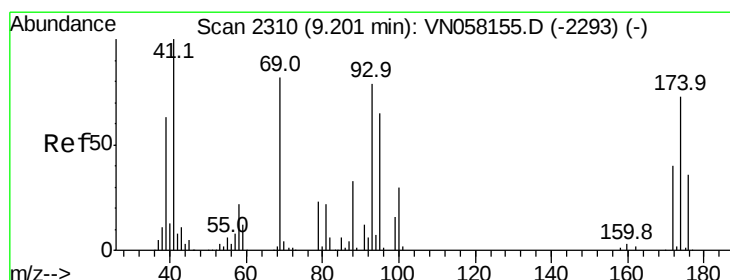
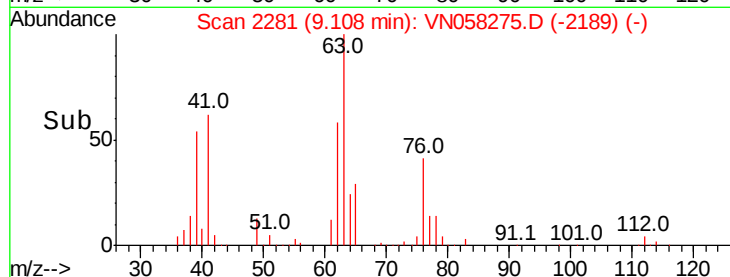
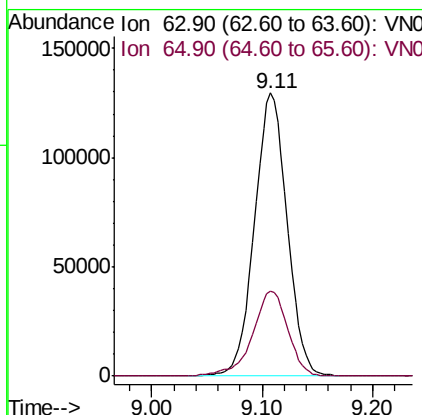
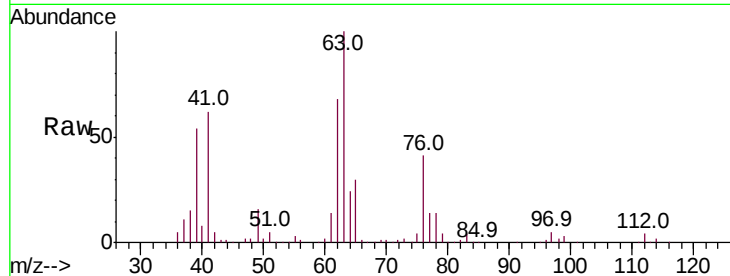




#45
 1,2-Dichloropropane
 Concen: 50.903 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

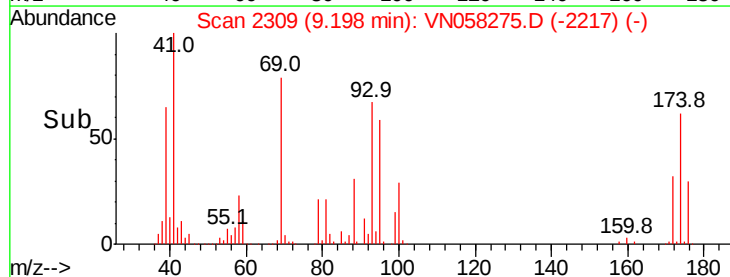
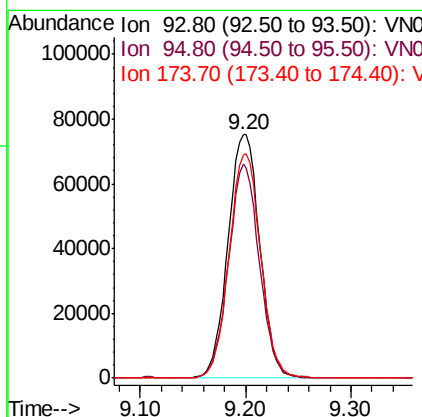
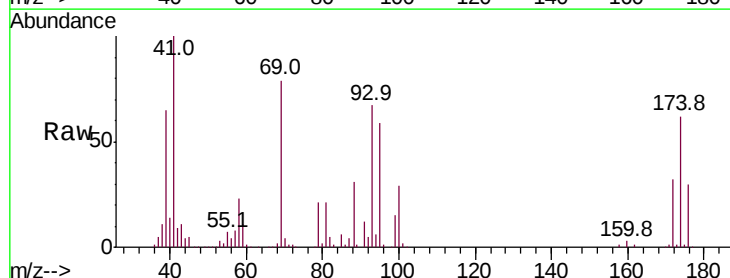
Instrument :
 MSVOA_N
 ClientSampled :

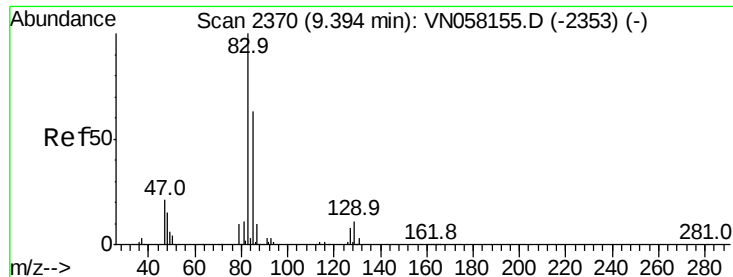
Tot Ion: 63 Resp: 265561
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.8 35.6



#46
 Dibromomethane
 Concen: 49.451 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion: 93 Resp: 156850
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.8 100.2
 174 91.5 73.8 110.8





#47

Bromodichloromethane

Concen: 53.721 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

ClientSampled :

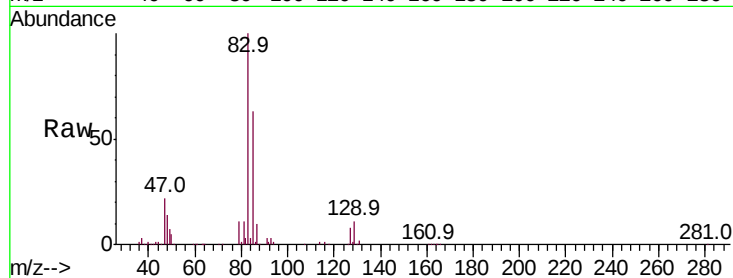
Tot Ion: 83 Resp: 356974

Ion Ratio Lower Upper

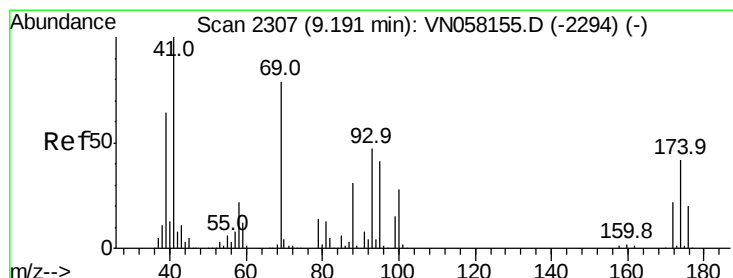
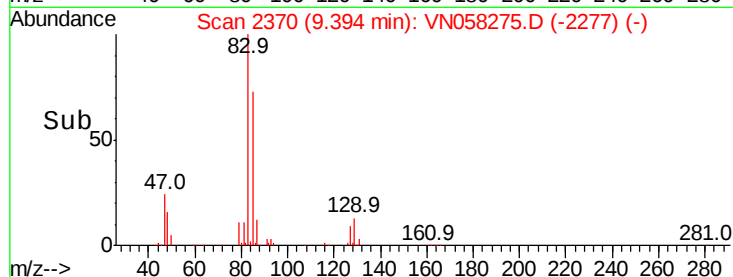
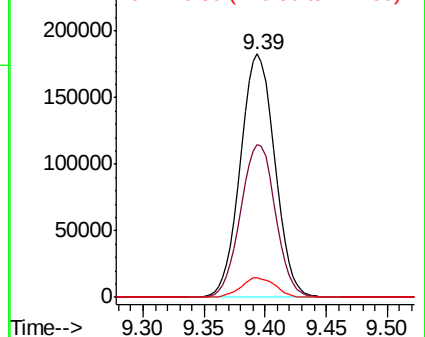
83 100

85 62.8 50.1 75.1

127 8.1 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 52.039 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

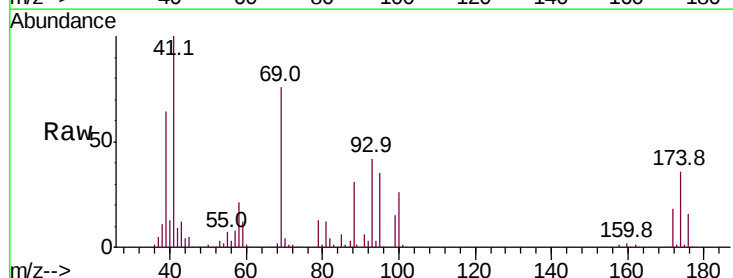
Tgt Ion: 41 Resp: 261923

Ion Ratio Lower Upper

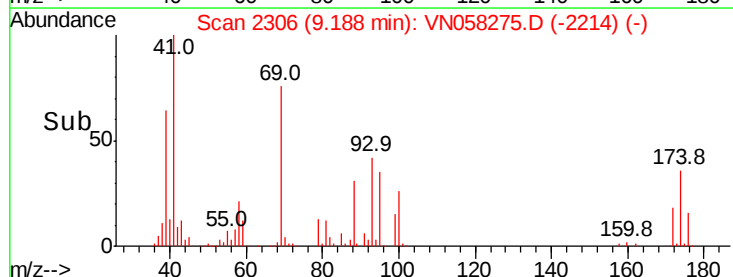
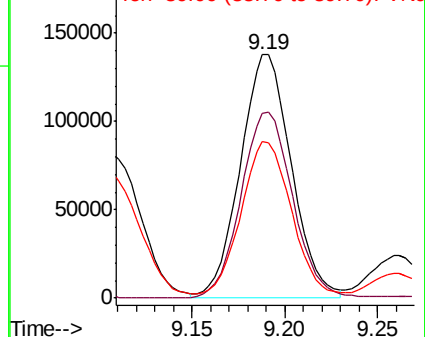
41 100

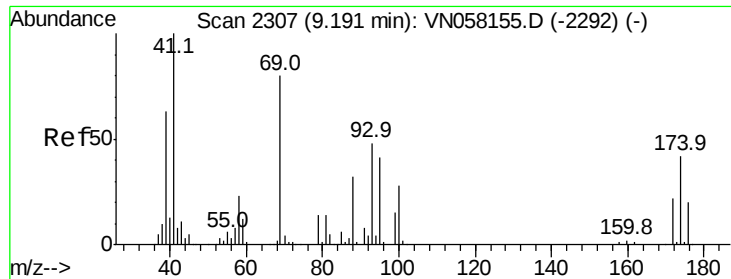
69 78.1 62.5 93.7

39 64.4 52.3 78.5



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

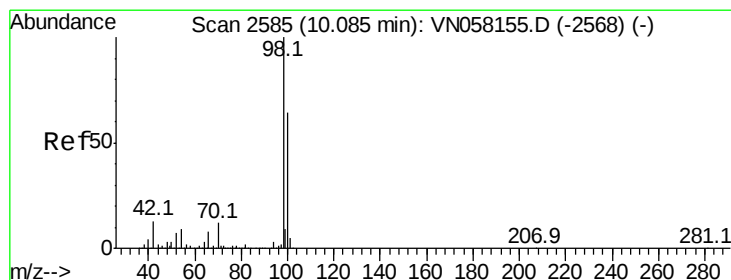
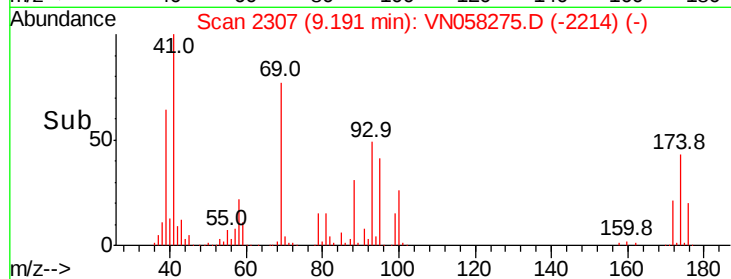
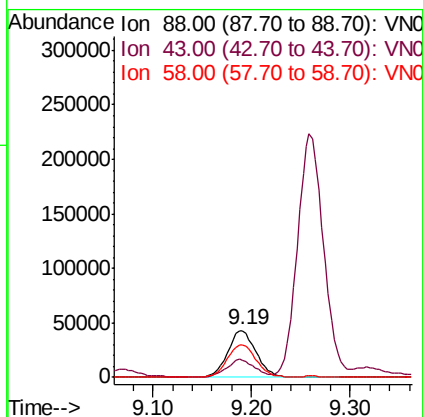
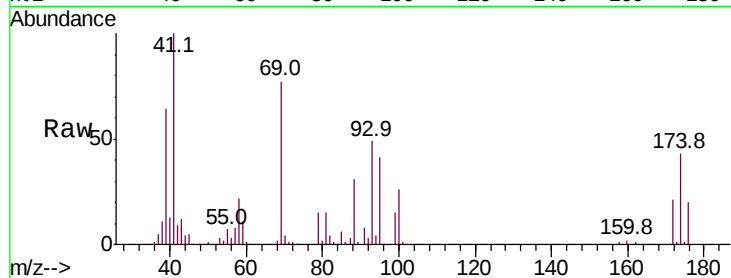




#49
 1,4-Dioxane
 Concen: 1054.169 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

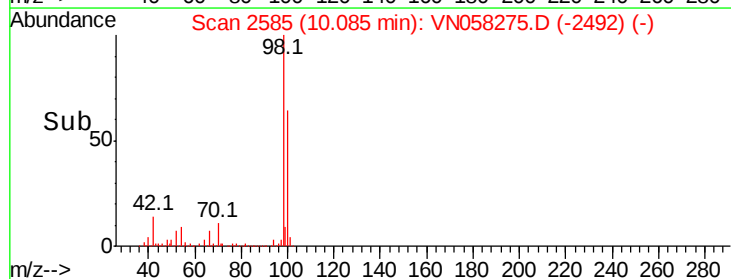
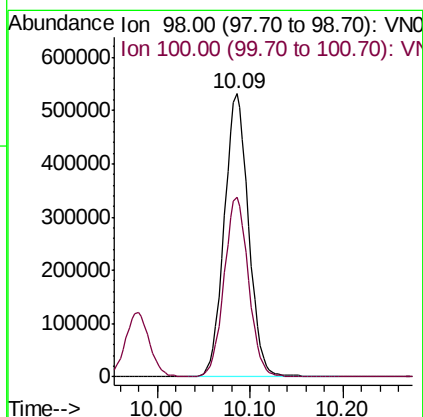
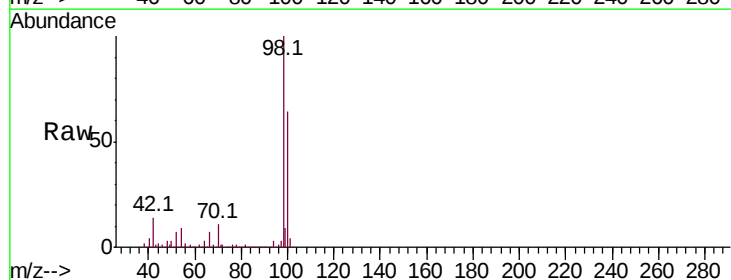
Instrument :
 MSVOA_N
 ClientSampled :

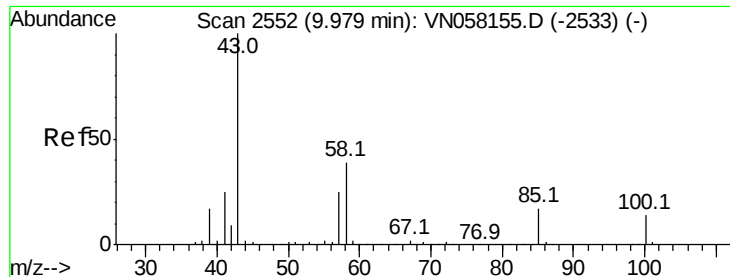
Tot Ion: 88 Resp: 87112
 Ion Ratio Lower Upper
 88 100
 43 36.2 27.8 41.8
 58 71.3 55.0 82.4



#50
 Toluene-d8
 Concen: 51.314 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion: 98 Resp: 963952
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 286.370 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

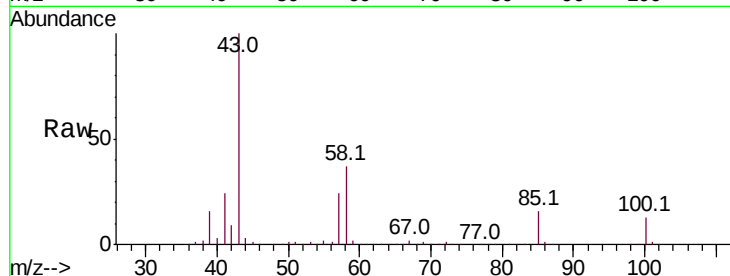
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1686155

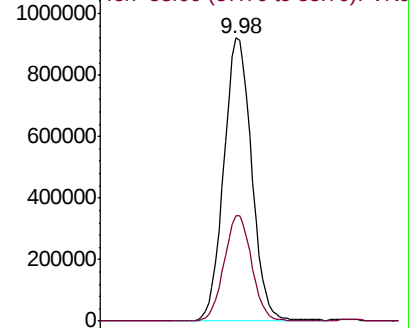
Ion Ratio Lower Upper

43 100

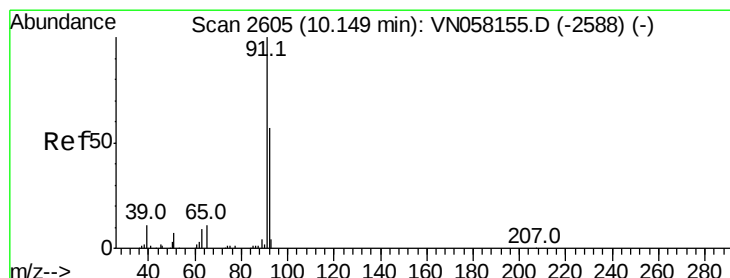
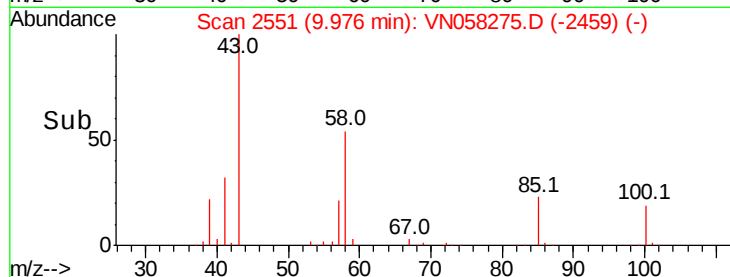
58 37.1 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-2533) (-)



Time-->



#52

Toluene

Concen: 49.074 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058275.D

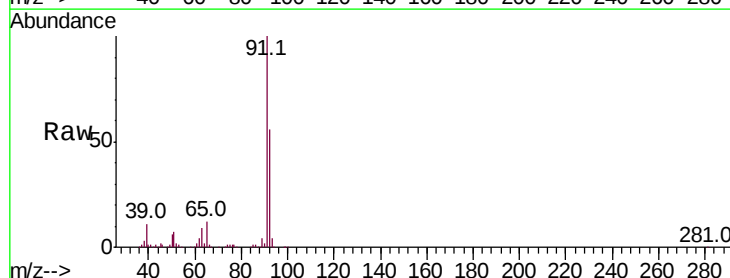
Acq: 23 Sep 2019 8:42

Tgt Ion: 92 Resp: 537272

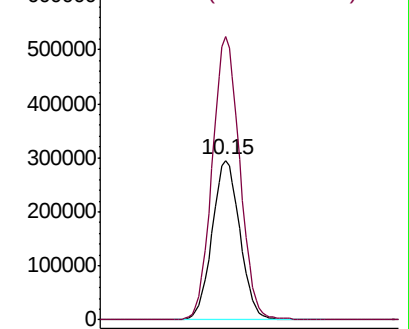
Ion Ratio Lower Upper

92 100

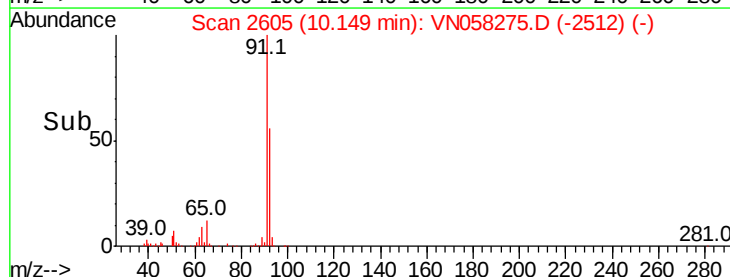
91 176.2 140.2 210.2

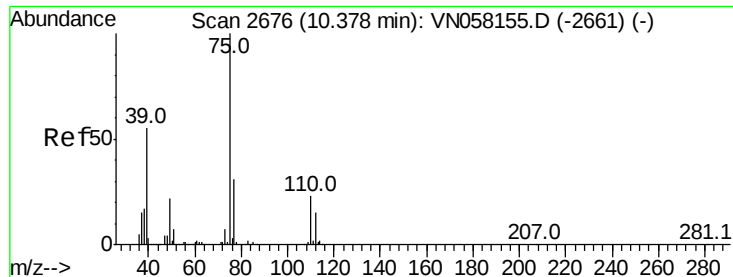


Abundance Ion 92.00 (91.70 to 92.70): VN058155.D (-2588) (-)



Time-->





#53

t-1,3-Dichloropropene

Concen: 54.846 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

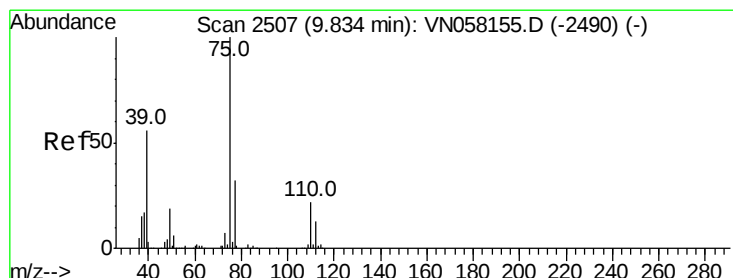
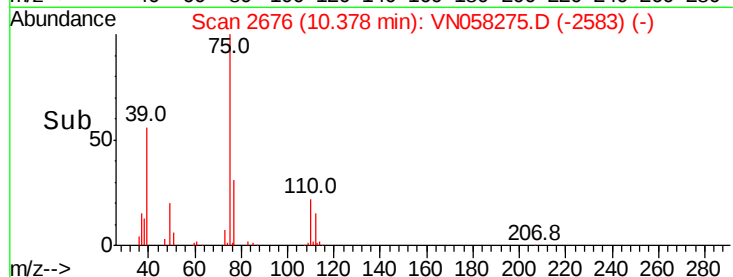
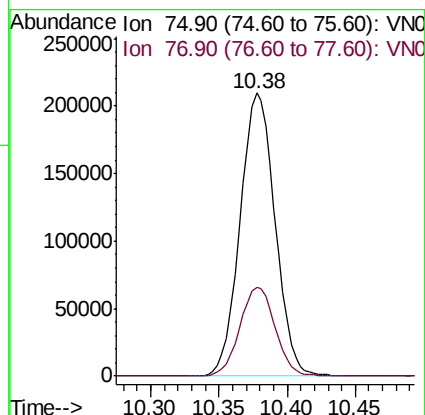
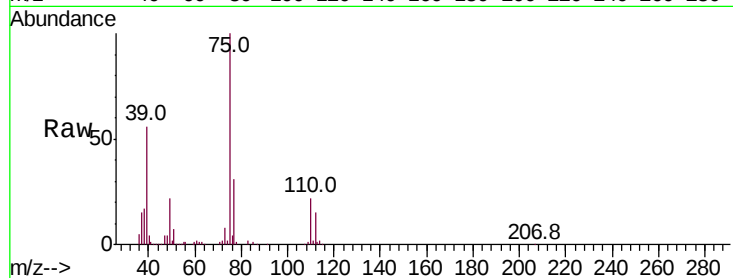
ClientSampled :

Tot Ion: 75 Resp: 373321

Ion Ratio Lower Upper

75 100

77 31.4 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 52.569 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

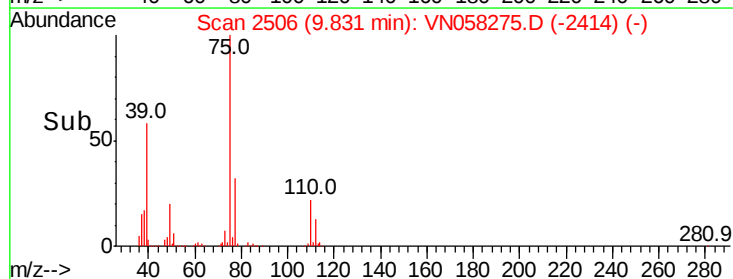
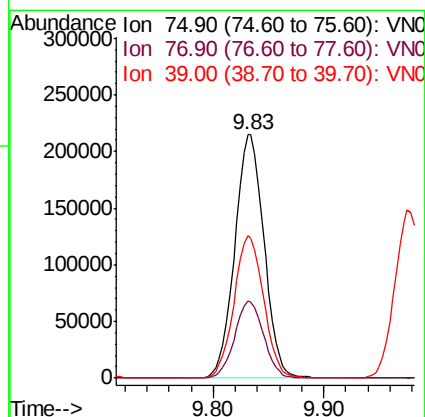
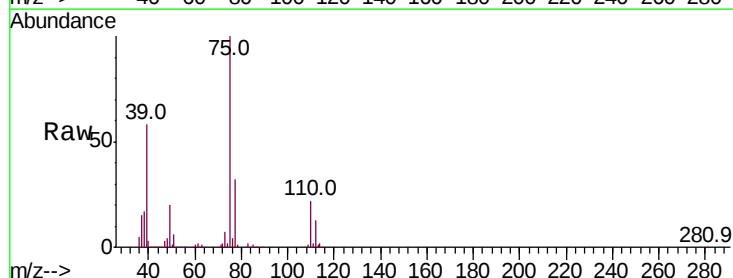
Tgt Ion: 75 Resp: 395062

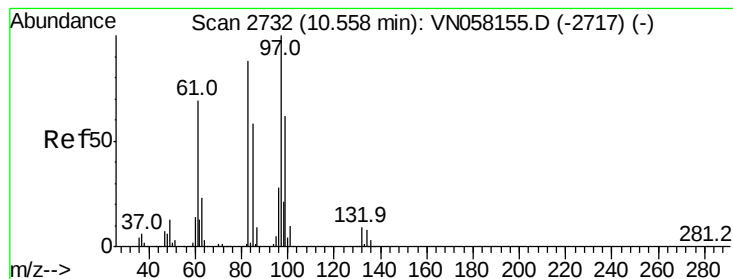
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 58.3 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 52.155 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 253395

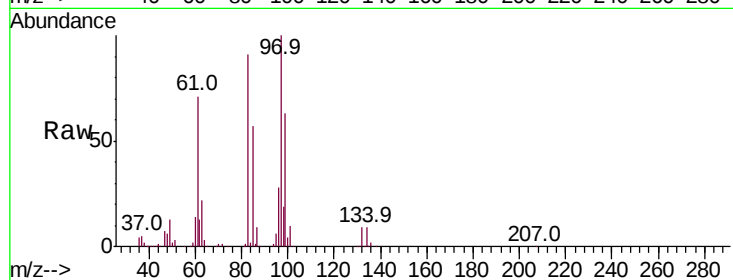
Ion Ratio Lower Upper

97 100

83 90.8 70.4 105.6

85 56.6 46.8 70.2

99 62.6 49.9 74.9



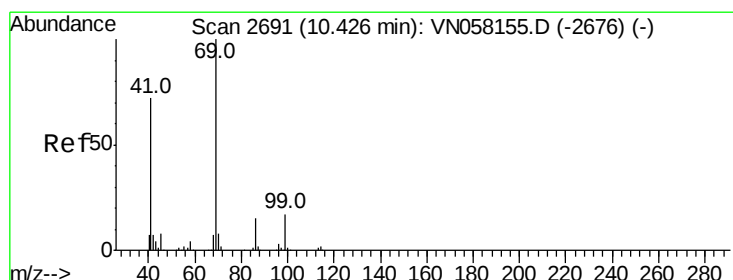
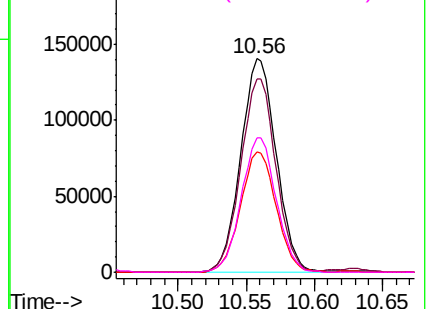
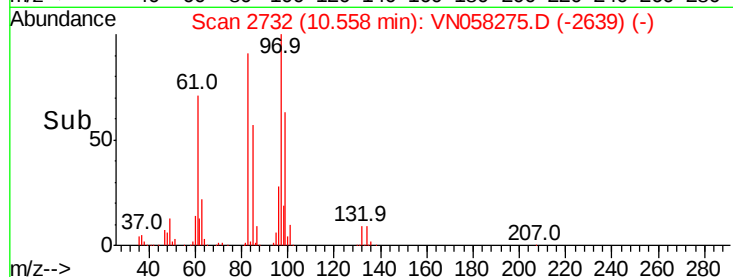
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 54.028 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

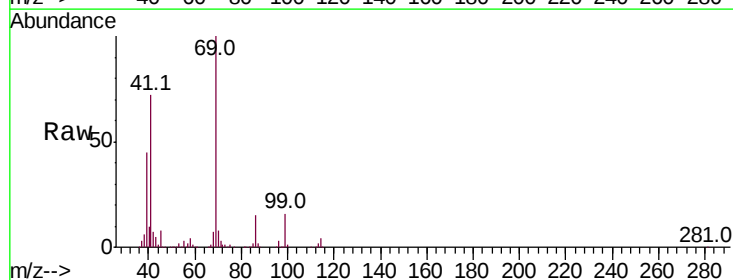
Tgt Ion: 69 Resp: 378737

Ion Ratio Lower Upper

69 100

41 71.0 57.5 86.3

39 44.9 36.1 54.1

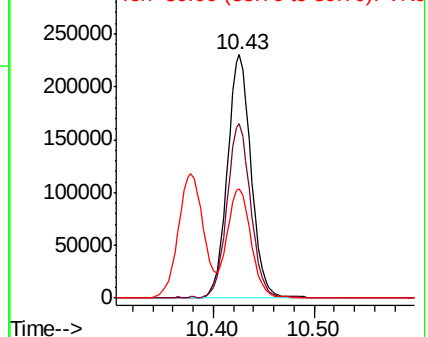
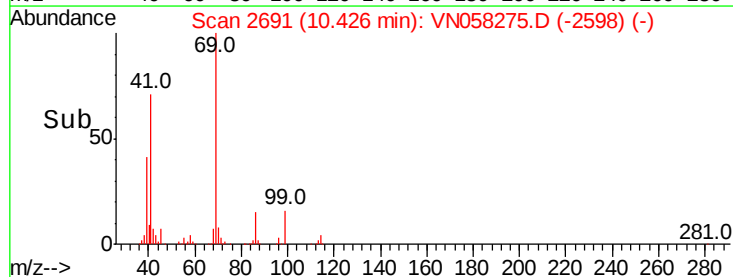


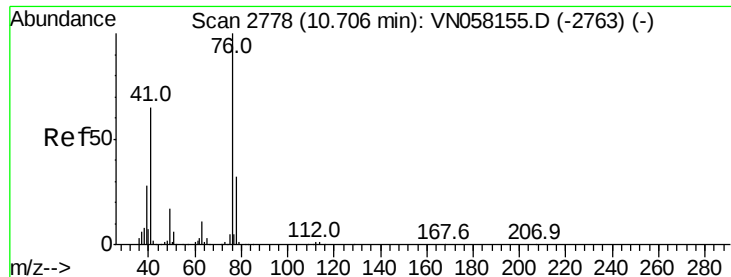
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 50.952 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

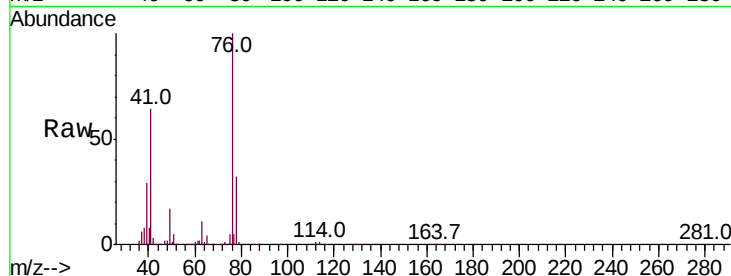
ClientSampled :

Tot Ion: 76 Resp: 425568

Ion Ratio Lower Upper

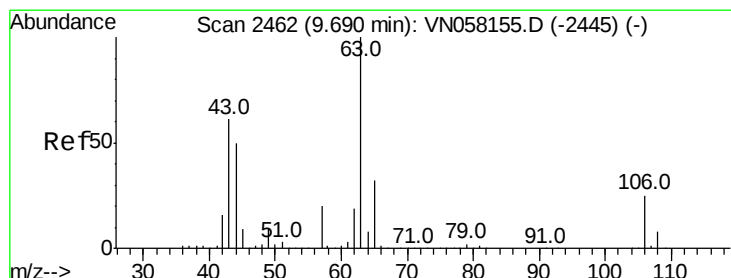
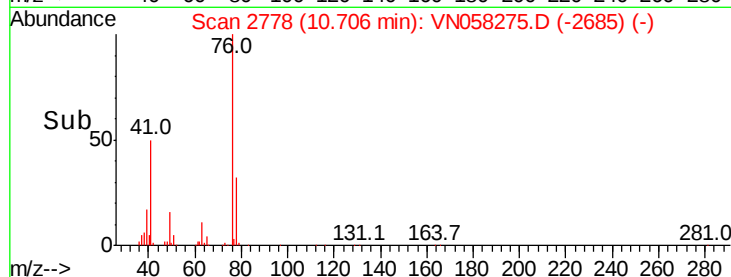
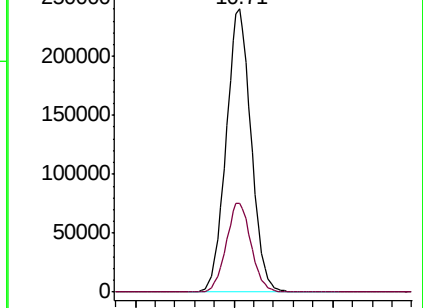
76 100

78 31.5 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 280.454 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058275.D

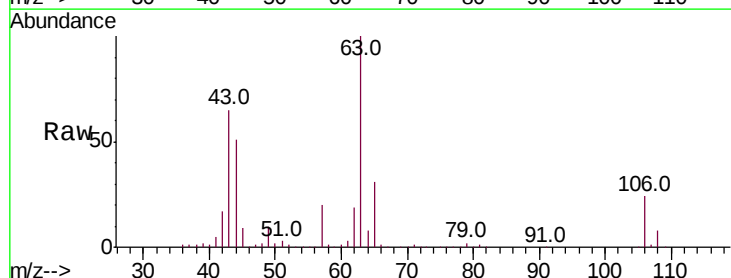
Acq: 23 Sep 2019 8:42

Tgt Ion: 63 Resp: 936453

Ion Ratio Lower Upper

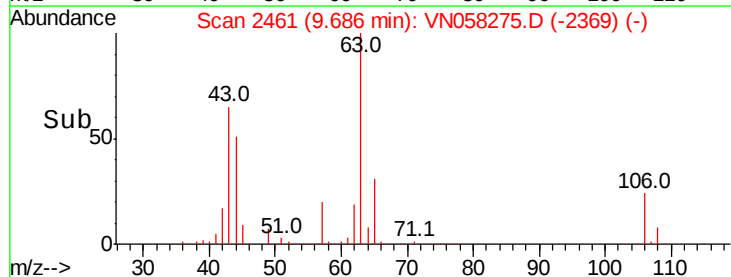
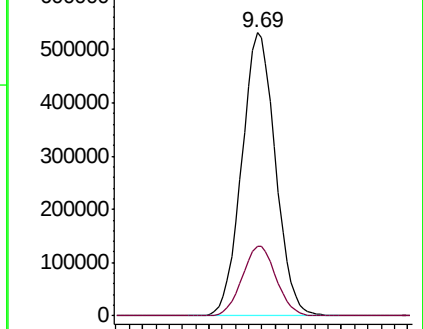
63 100

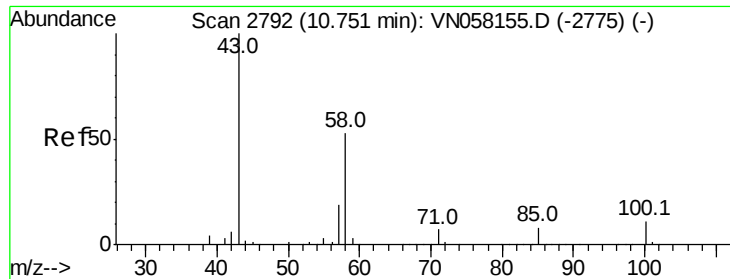
106 25.0 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

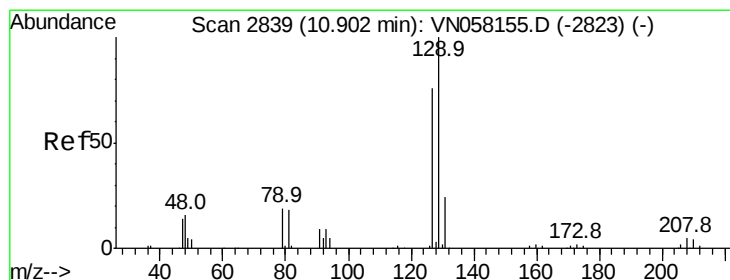
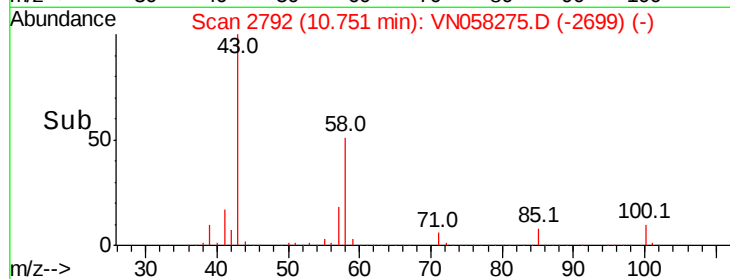
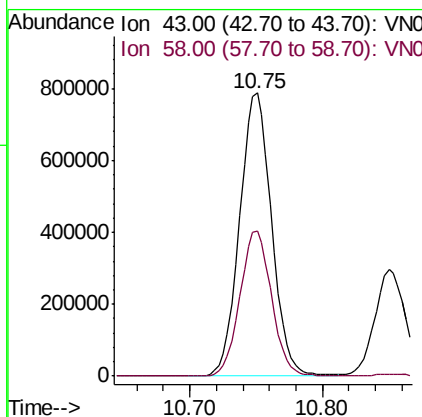
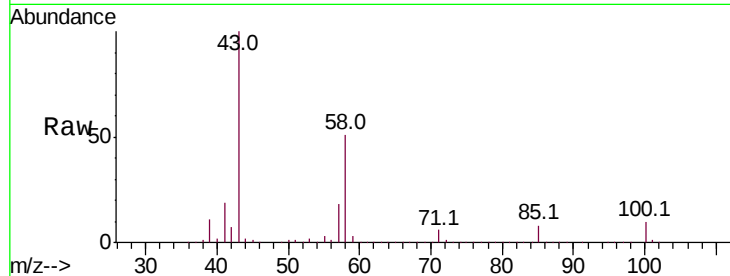




#59
2-Hexanone
Concen: 300.776 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

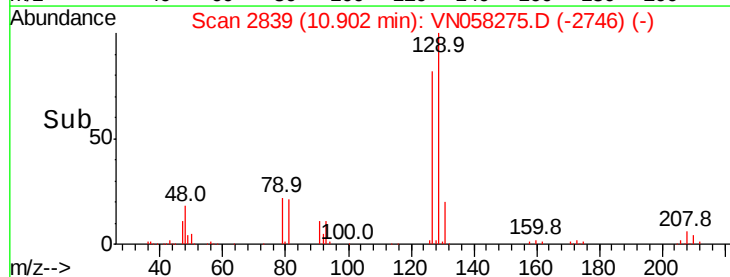
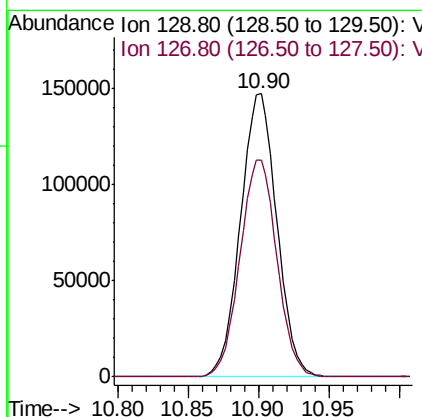
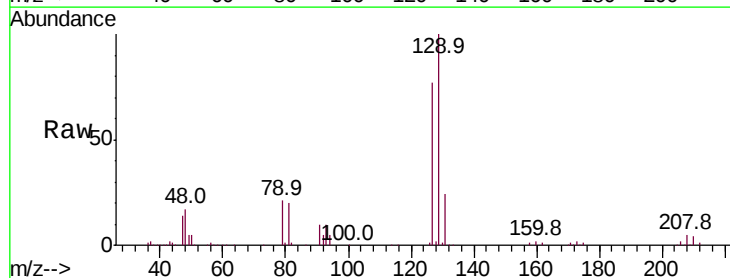
Instrument :
MSVOA_N
ClientSampled :

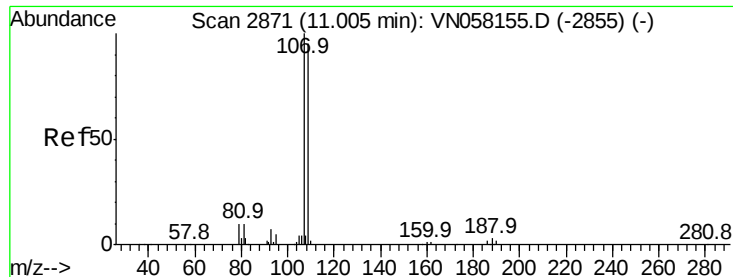
Tot Ion: 43 Resp: 1315286
Ion Ratio Lower Upper
43 100
58 50.9 26.0 78.0



#60
Dibromochloromethane
Concen: 56.910 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion: 129 Resp: 266004
Ion Ratio Lower Upper
129 100
127 77.7 38.7 116.1

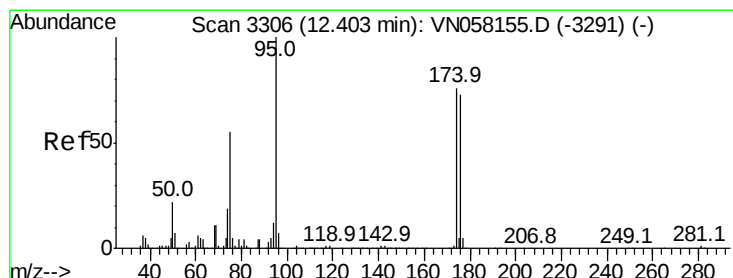
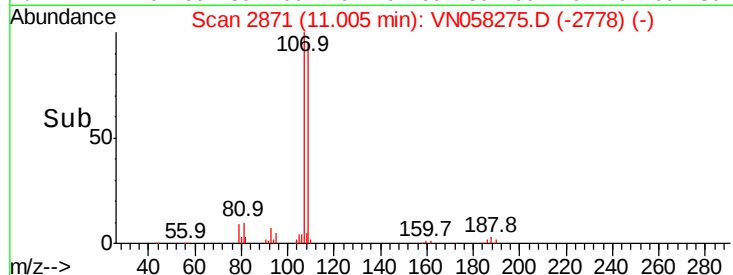
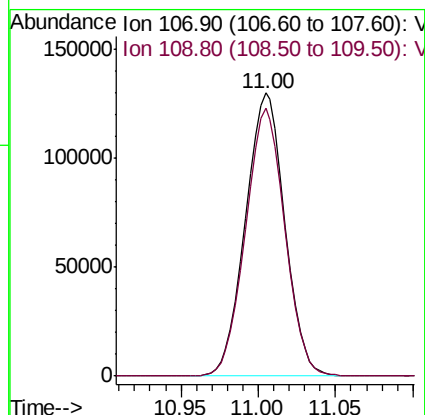
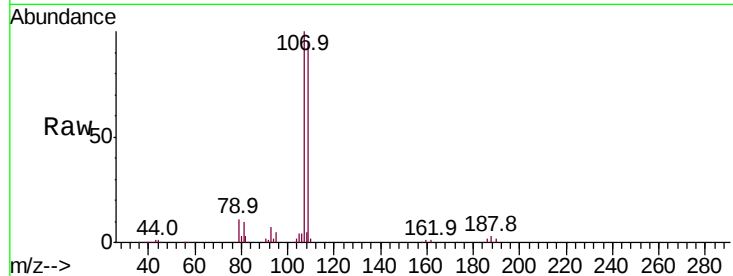




#61
 1,2-Dibromoethane
 Concen: 51.103 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

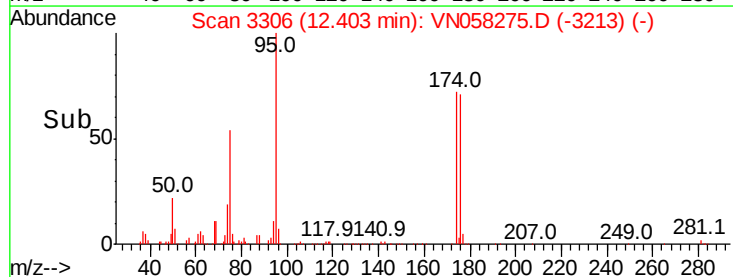
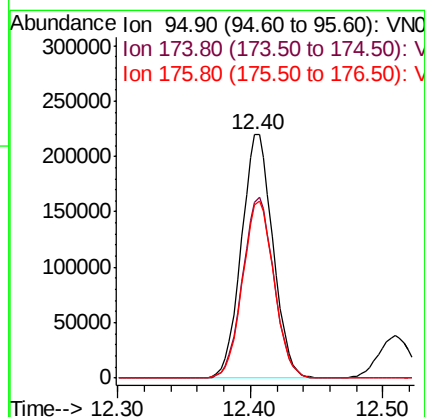
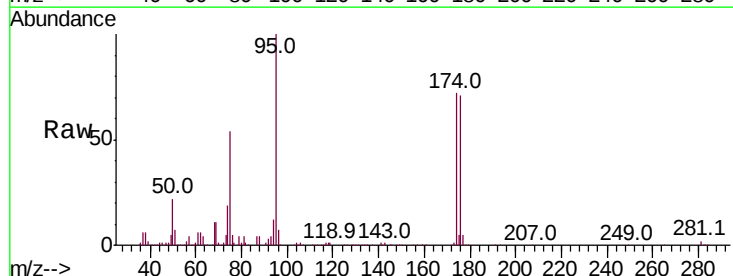
Instrument :
 MSVOA_N
 ClientSampled :

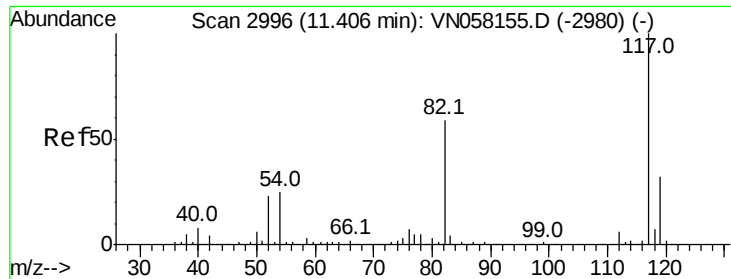
Tot Ion: 107 Resp: 230097
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 51.862 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion: 95 Resp: 361893
 Ion Ratio Lower Upper
 95 100
 174 73.9 0.0 152.2
 176 72.4 0.0 148.0

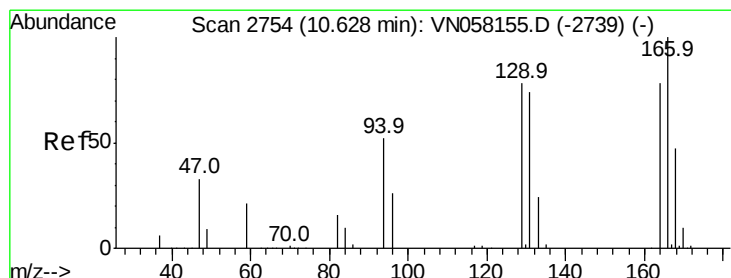
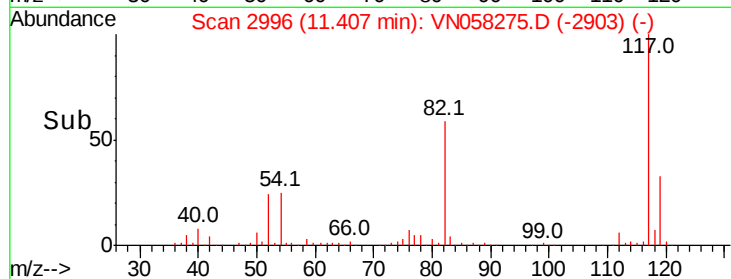
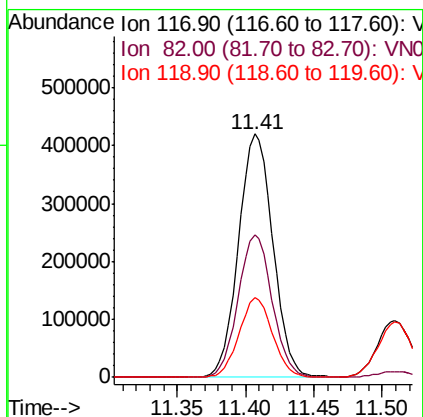
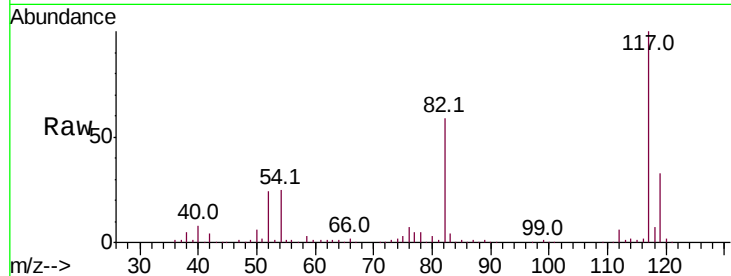




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

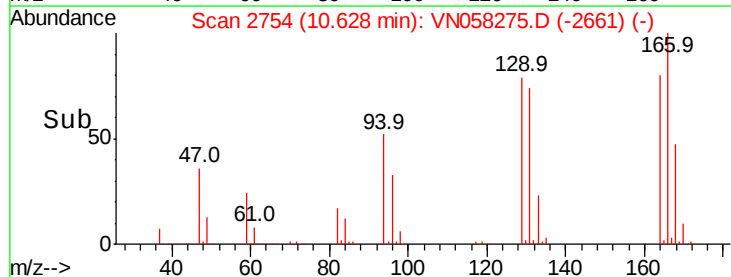
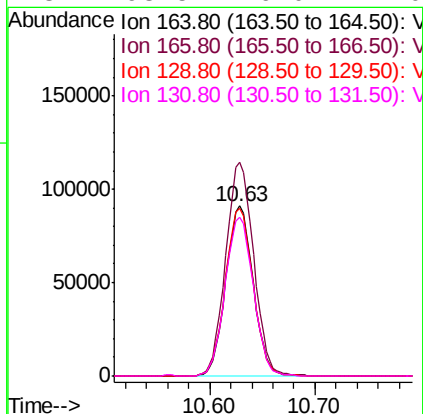
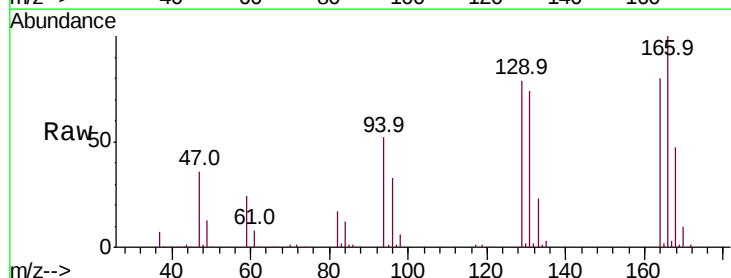
Instrument :
MSVOA_N
ClientSampled :

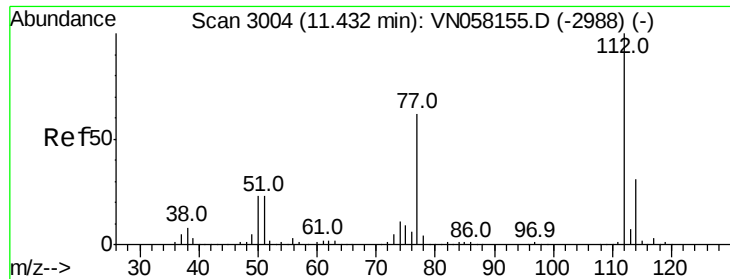
Tot Ion:117 Resp: 735444
Ion Ratio Lower Upper
117 100
82 58.7 46.9 70.3
119 32.6 25.3 37.9



#64
Tetrachloroethene
Concen: 45.591 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion:164 Resp: 163450
Ion Ratio Lower Upper
164 100
166 125.7 102.2 153.4
129 99.0 79.6 119.4
131 93.5 76.0 114.0

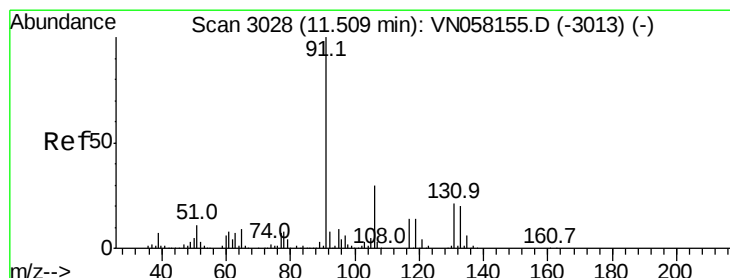
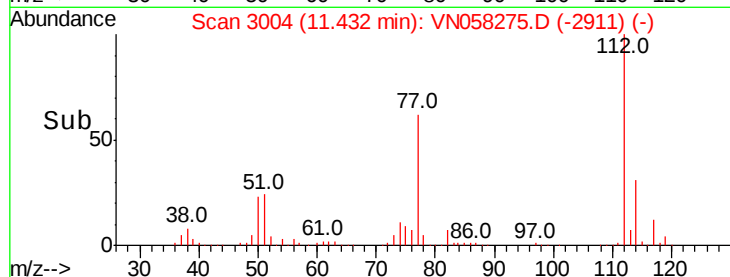
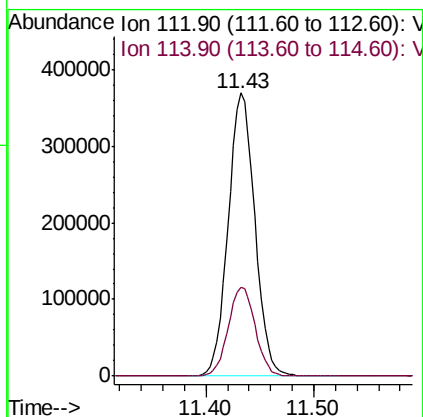
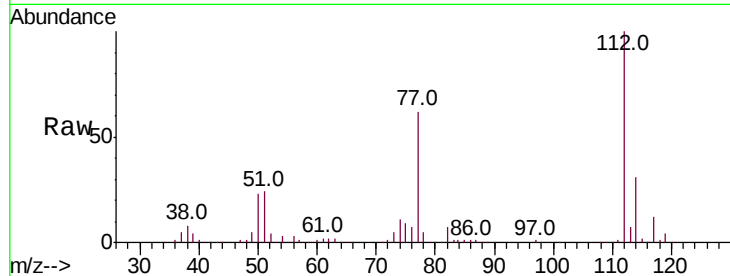




#65
Chlorobenzene
Concen: 48.950 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

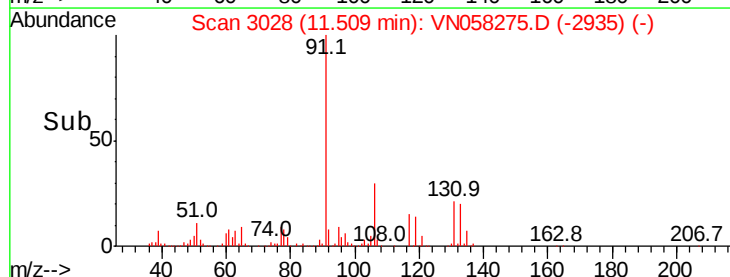
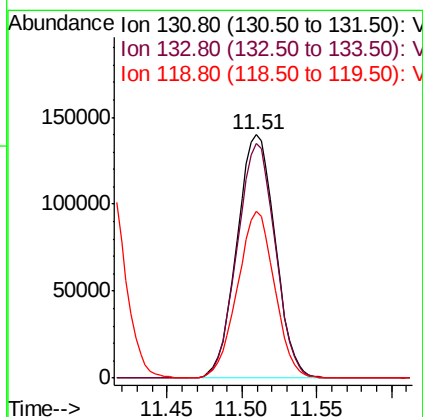
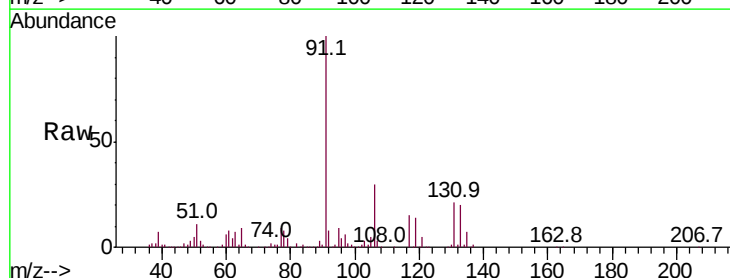
Instrument :
MSVOA_N
ClientSampled :

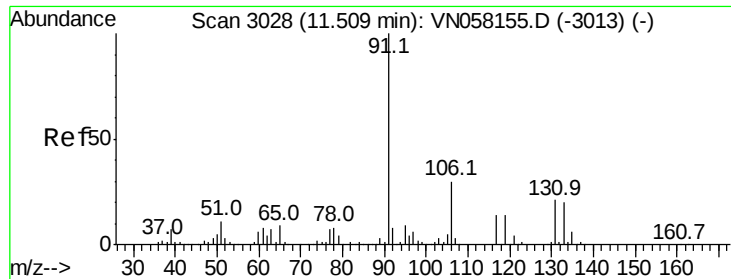
Tot Ion:112 Resp: 633217
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.213 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion:131 Resp: 249602
Ion Ratio Lower Upper
131 100
133 95.9 47.8 143.3
119 66.3 33.1 99.3





#67

Ethyl Benzene

Concen: 51.422 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

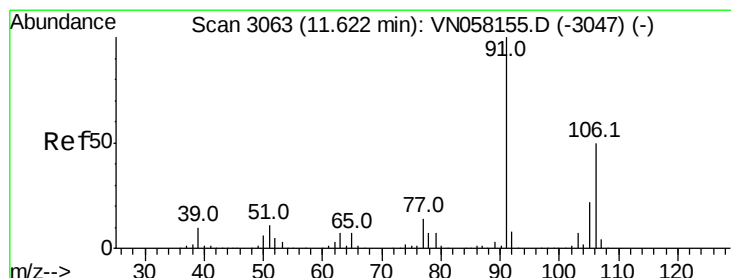
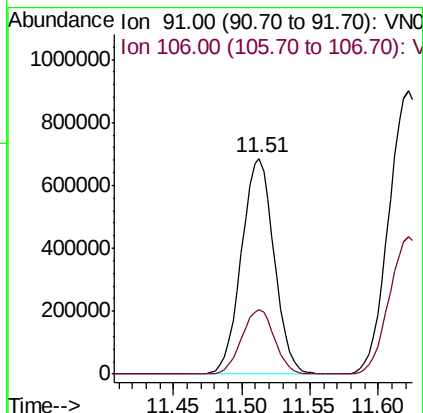
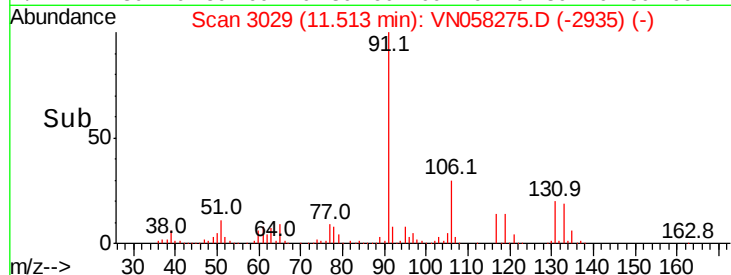
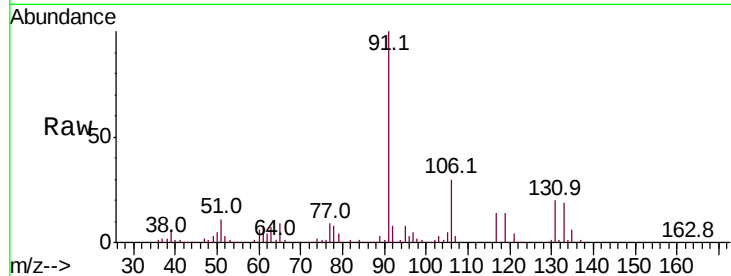
ClientSampled :

Tot Ion: 91 Resp: 1139803

Ion Ratio Lower Upper

91 100

106 29.8 24.0 36.0



#68

m/p-Xylenes

Concen: 99.910 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058275.D

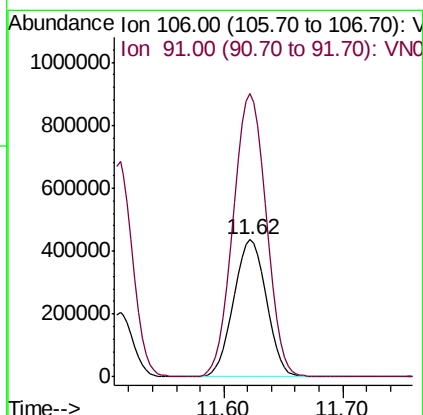
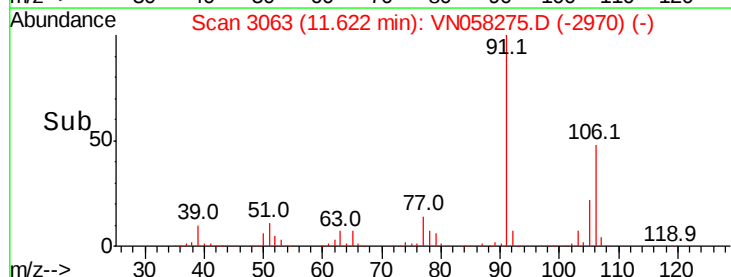
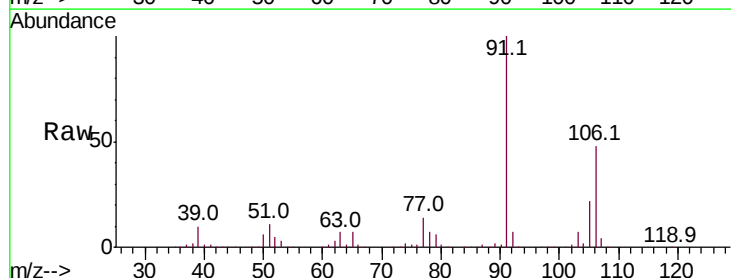
Acq: 23 Sep 2019 8:42

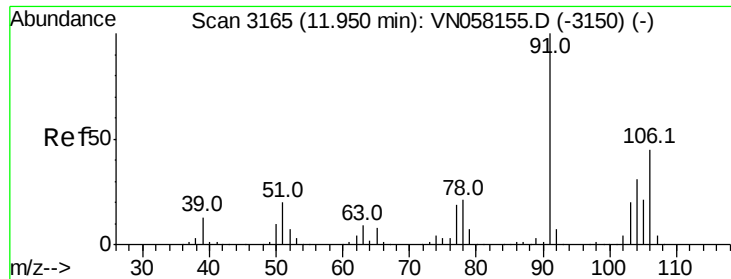
Tgt Ion:106 Resp: 834069

Ion Ratio Lower Upper

106 100

91 208.3 163.6 245.4

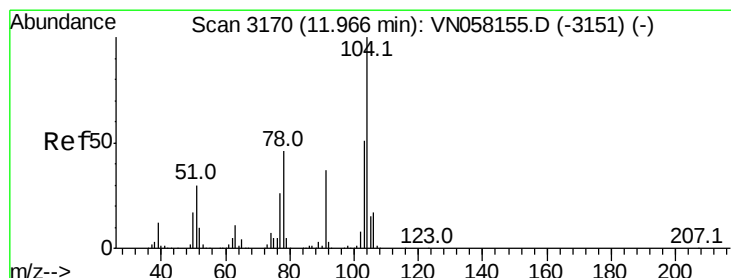
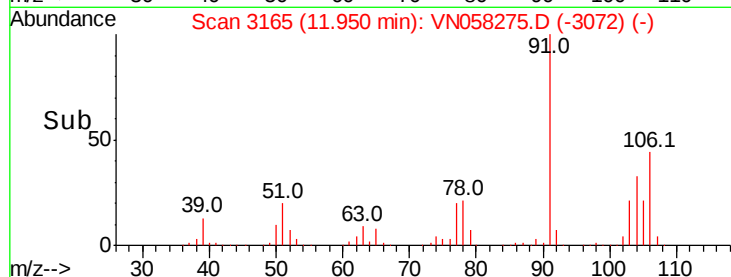
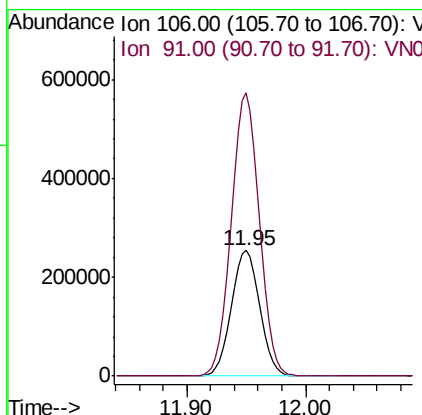
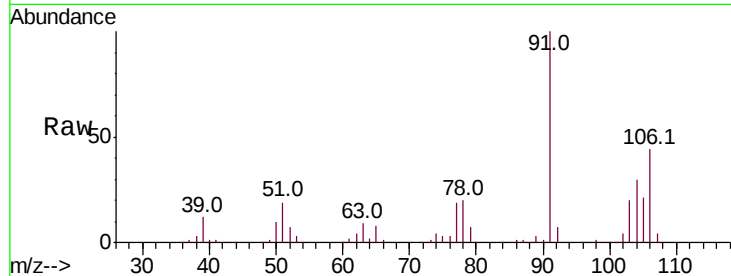




#69
o-Xylene
Concen: 51.075 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

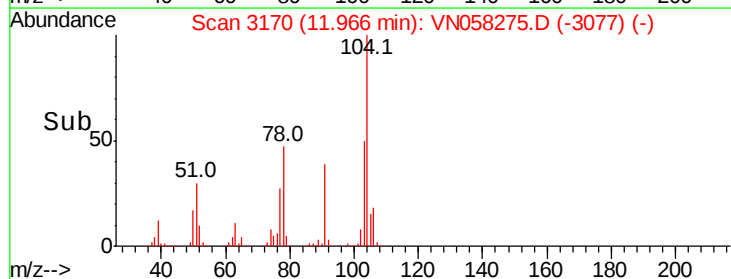
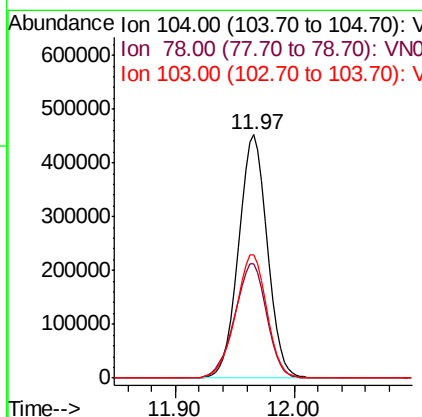
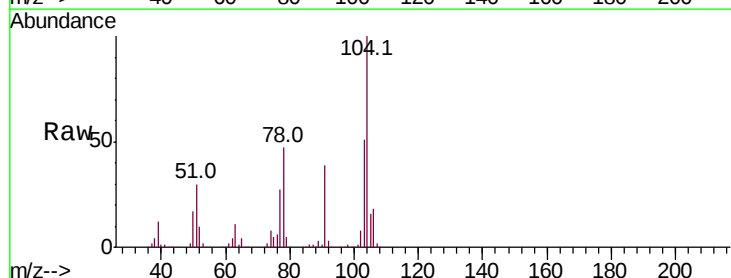
Instrument :
MSVOA_N
ClientSampled :

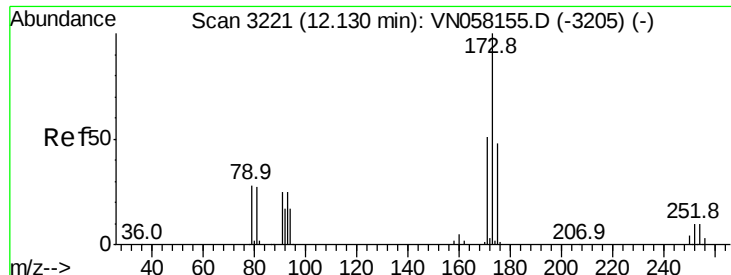
Tot Ion:106 Resp: 419262
Ion Ratio Lower Upper
106 100
91 222.8 111.8 335.3



#70
Styrene
Concen: 53.505 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion:104 Resp: 756754
Ion Ratio Lower Upper
104 100
78 52.7 41.8 62.8
103 55.1 44.2 66.2

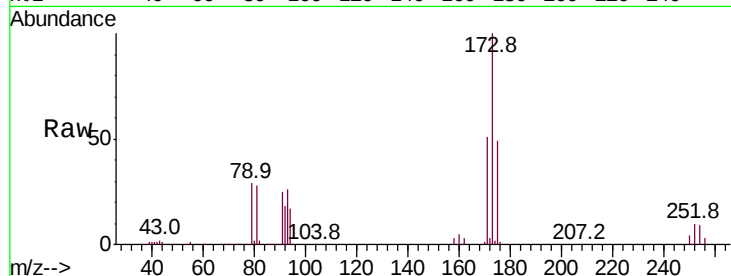




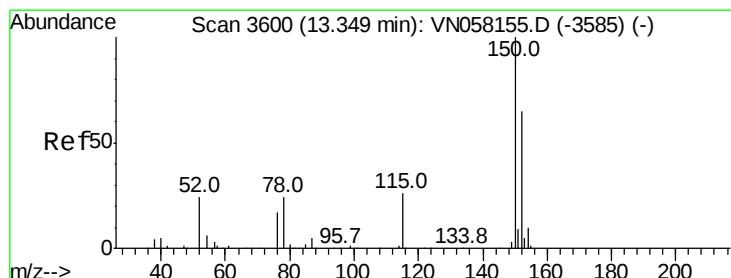
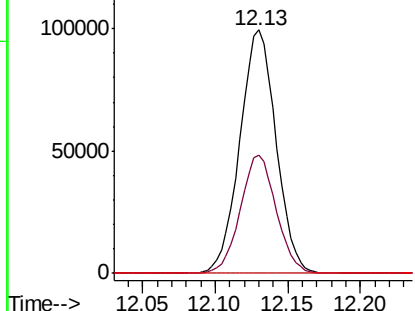
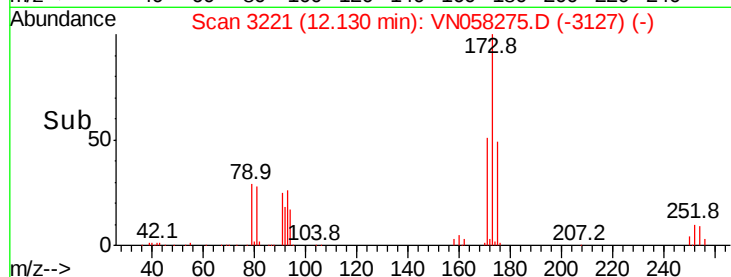
#71
Bromoform
Concen: 49.720 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 172830
Ion Ratio Lower Upper
173 100
175 47.9 24.2 72.6
254 0.1 0.1 0.1#

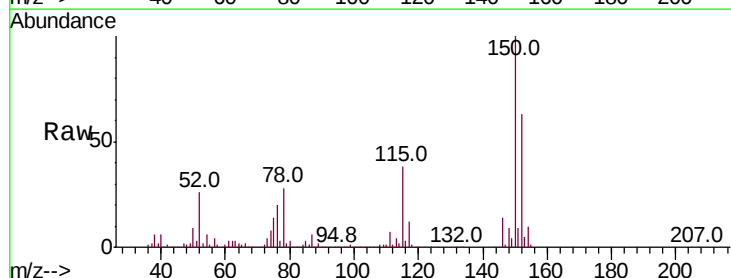


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

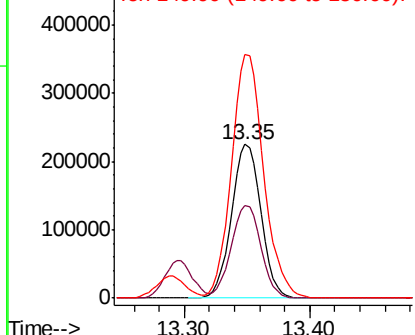
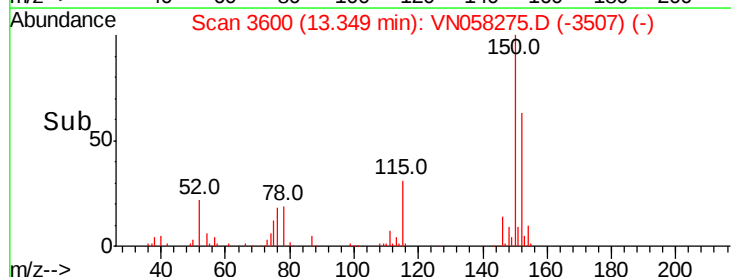


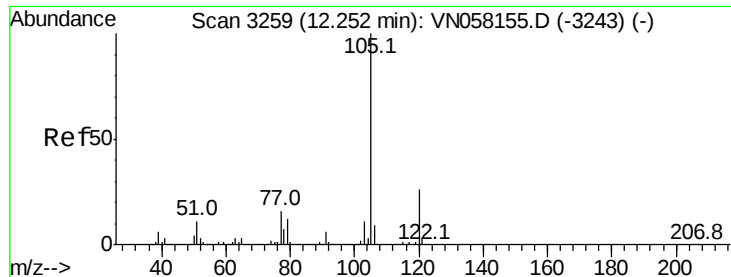
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion:152 Resp: 366875
Ion Ratio Lower Upper
152 100
115 60.8 30.1 90.3
150 172.3 0.0 346.4



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





#73

Isopropylbenzene

Concen: 52.146 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

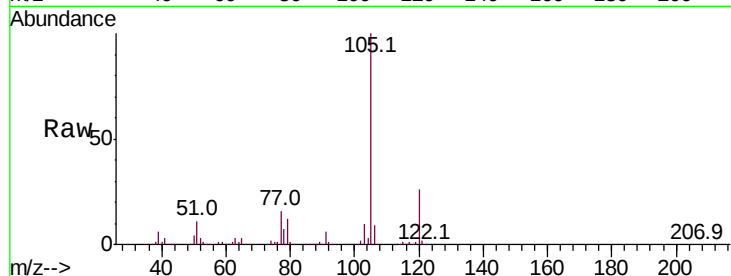
ClientSampleId :

Tot Ion:105 Resp: 1197476

Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

800000

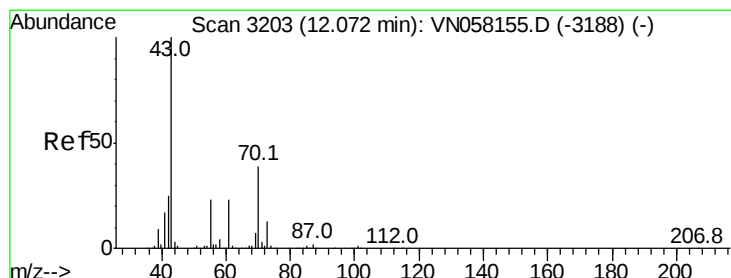
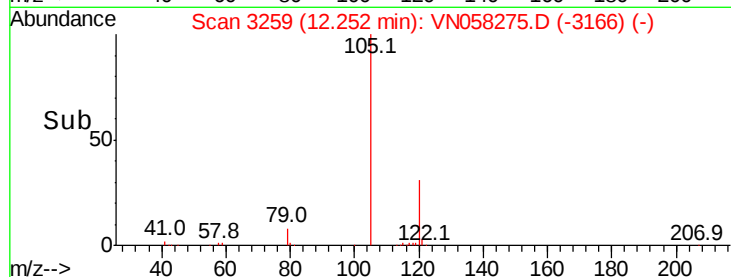
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 54.467 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Tgt Ion: 43 Resp: 523253

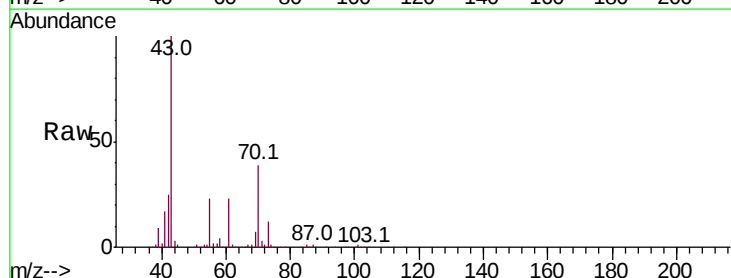
Ion Ratio Lower Upper

43 100

70 39.0 31.0 46.6

55 23.8 18.5 27.7

61 22.6 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

500000

400000

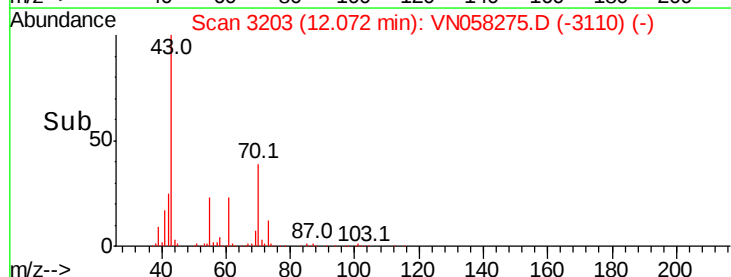
300000

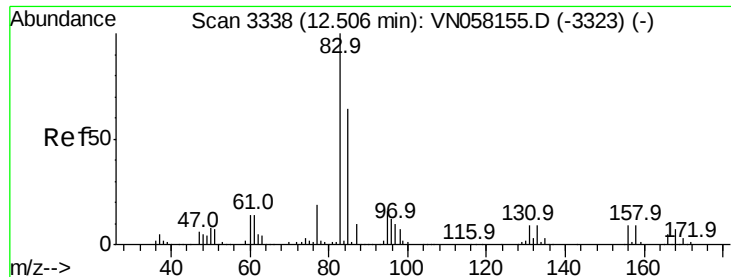
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.874 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

ClientSampleId :

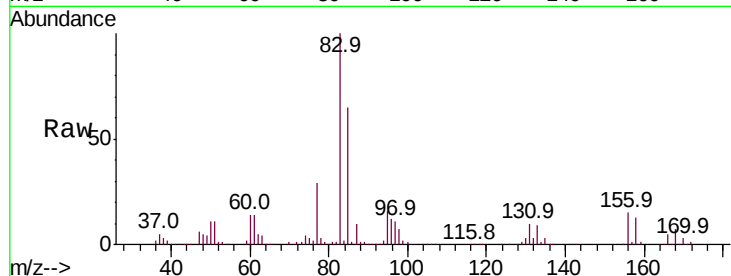
Tot Ion: 83 Resp: 398915

Ion Ratio Lower Upper

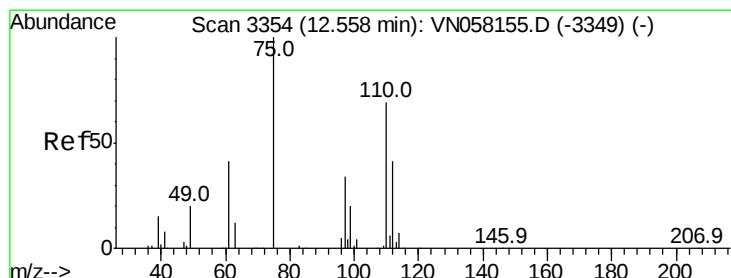
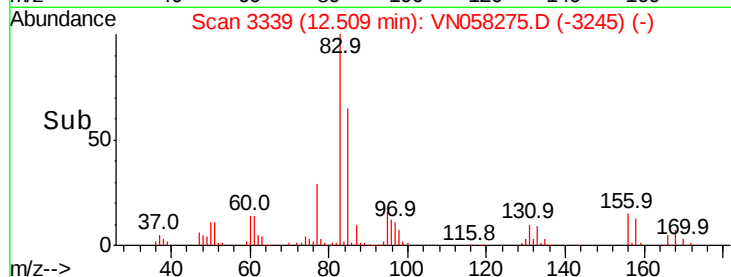
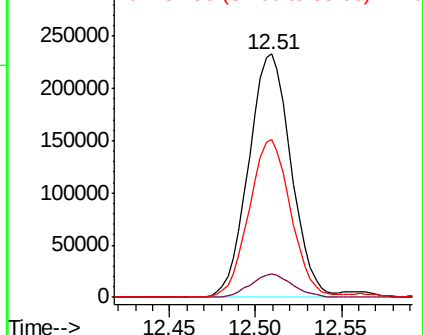
83 100

131 9.6 4.8 14.3

85 63.9 31.9 95.5



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



#76

1,2,3-Trichloropropane

Concen: 74.152 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058275.D

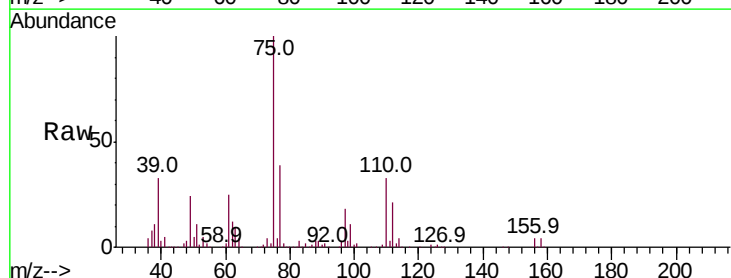
Acq: 23 Sep 2019 8:42

Tgt Ion: 75 Resp: 486874

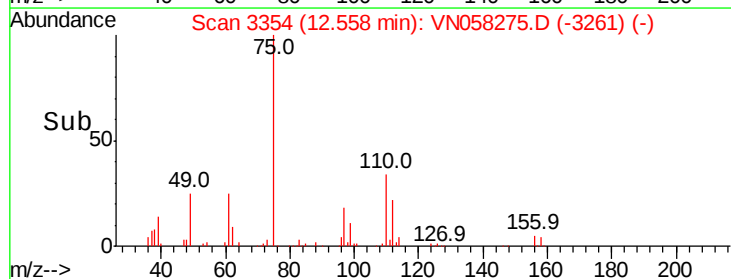
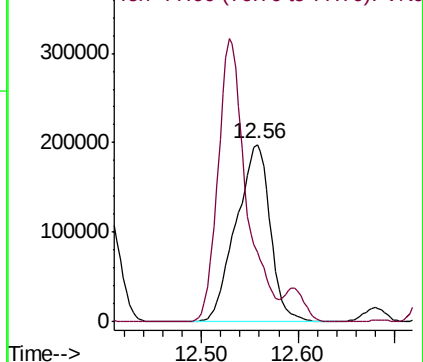
Ion Ratio Lower Upper

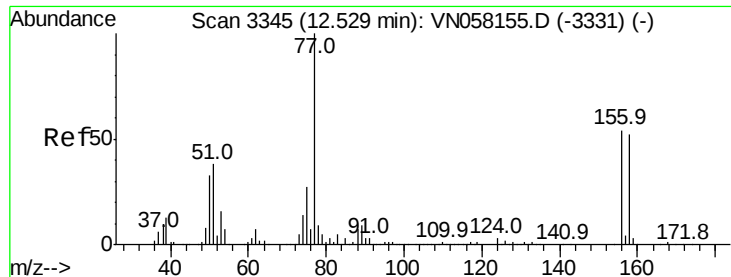
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 48.862 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

ClientSampled :

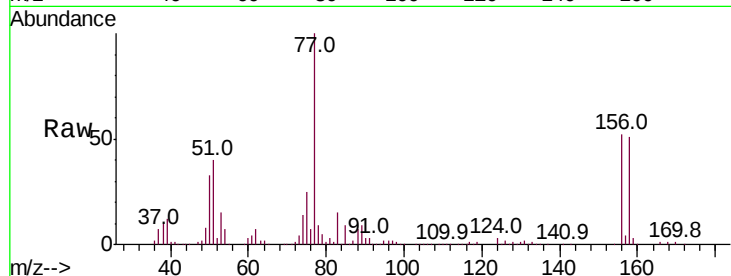
Tot Ion:156 Resp: 282248

Ion Ratio Lower Upper

156 100

77 227.8 111.7 335.1

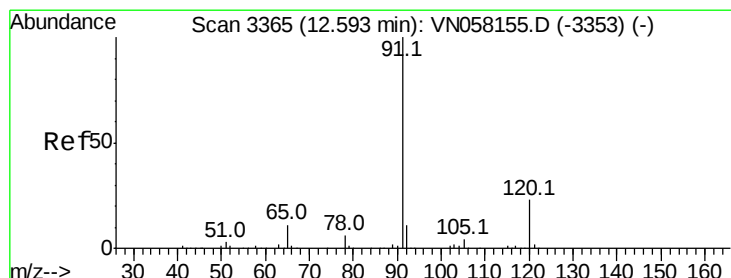
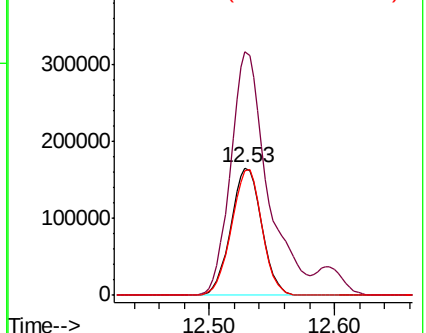
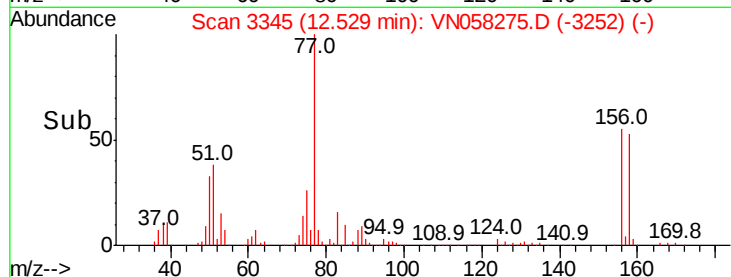
158 97.4 47.9 143.8



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: 54.490 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058275.D

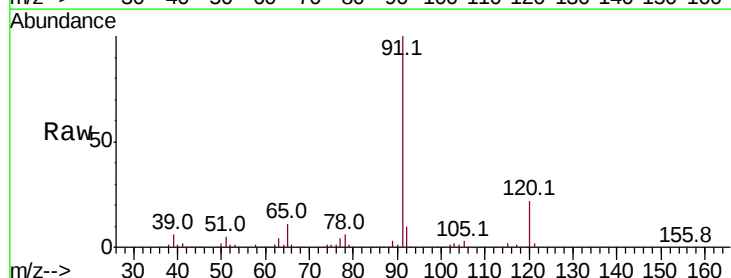
Acq: 23 Sep 2019 8:42

Tgt Ion: 91 Resp: 1421941

Ion Ratio Lower Upper

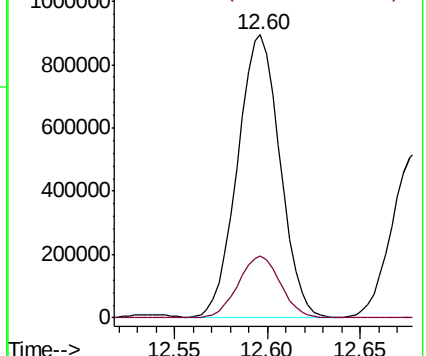
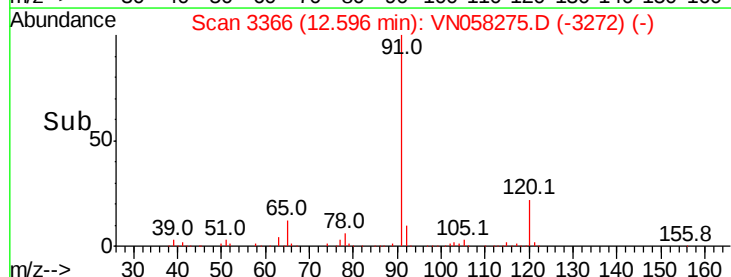
91 100

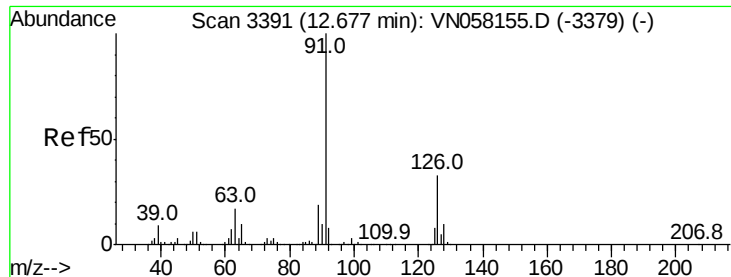
120 21.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.310 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

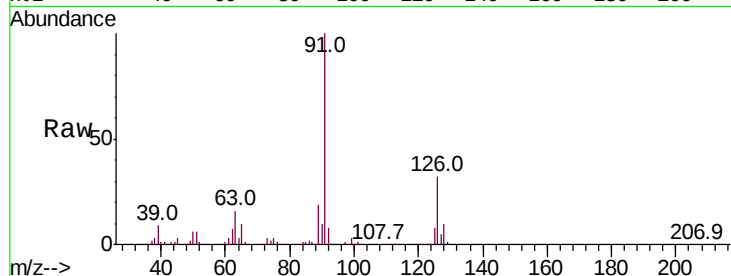
ClientSampled :

Tot Ion: 91 Resp: 853099

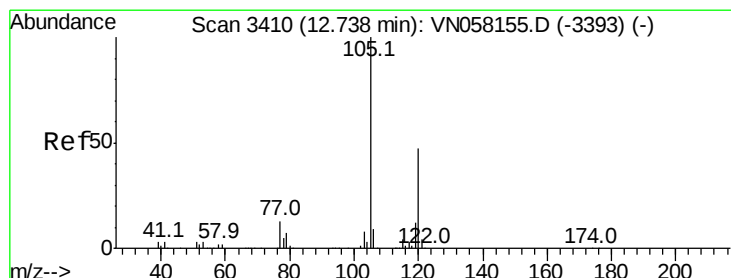
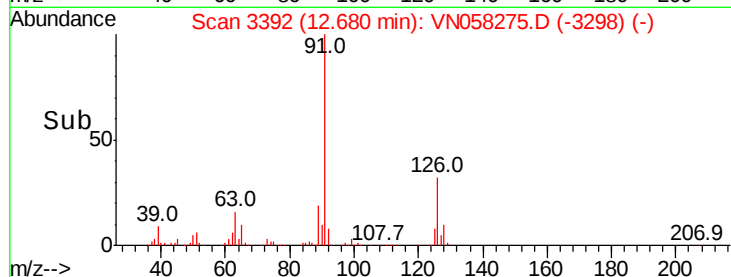
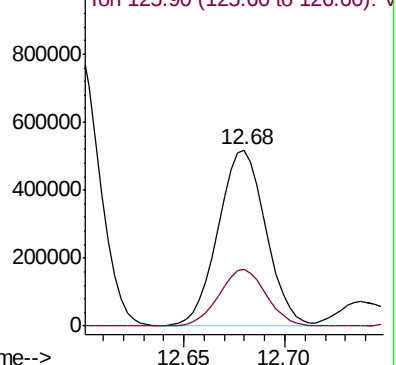
Ion Ratio Lower Upper

91 100

126 32.2 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.813 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058275.D

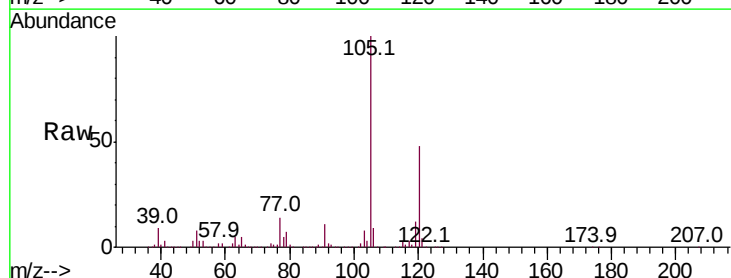
Acq: 23 Sep 2019 8:42

Tgt Ion:105 Resp: 1025575

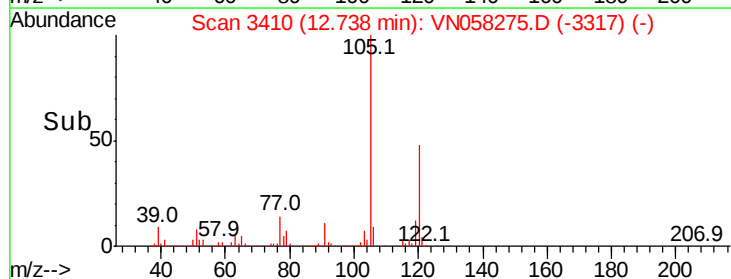
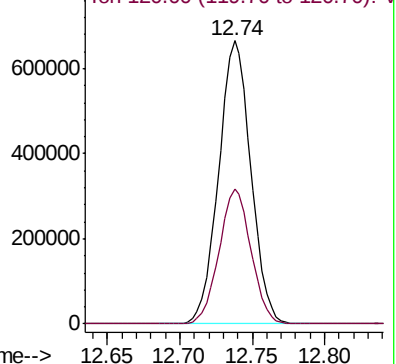
Ion Ratio Lower Upper

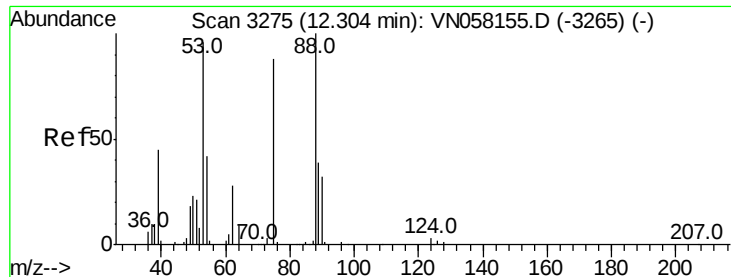
105 100

120 47.5 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)

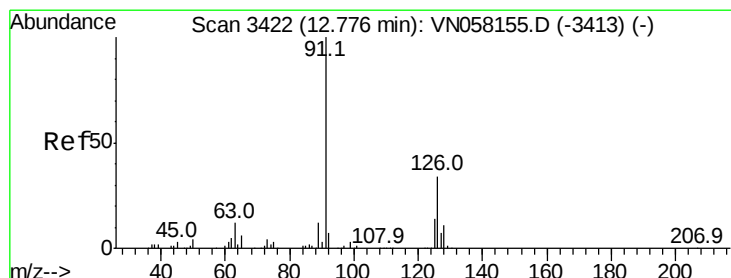
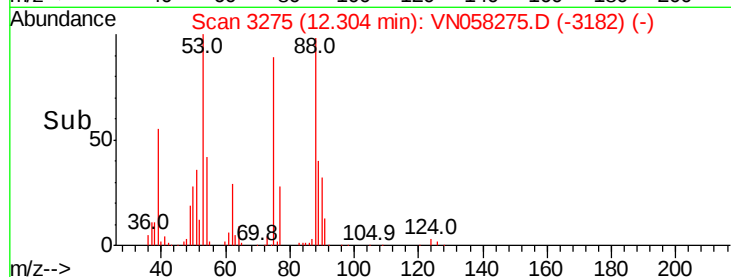
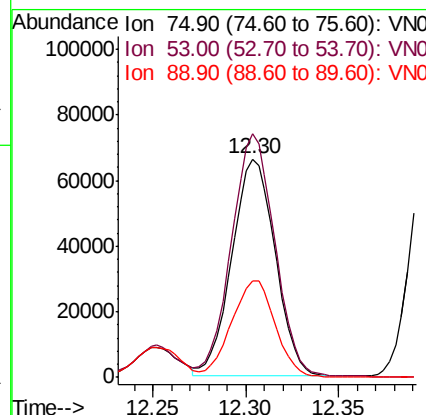
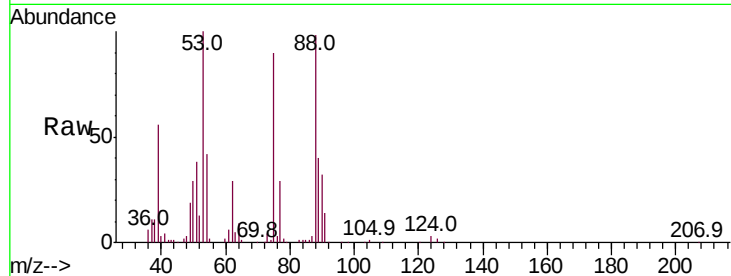




#81
trans-1,4-Dichloro-2-butene
Concen: 48.792 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

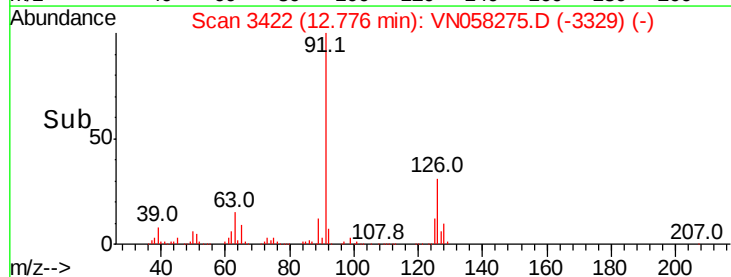
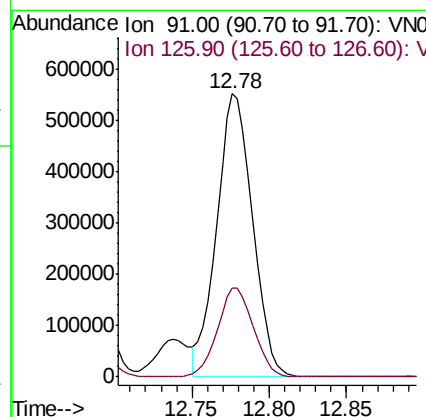
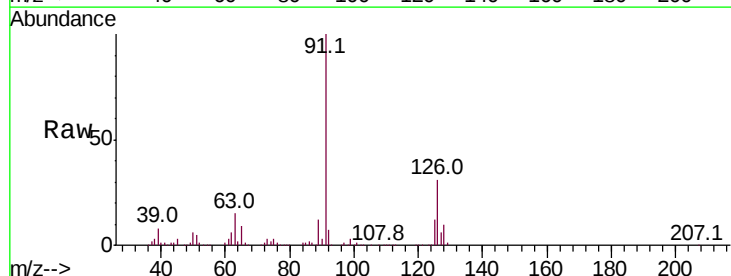
Instrument :
MSVOA_N
ClientSampleId :

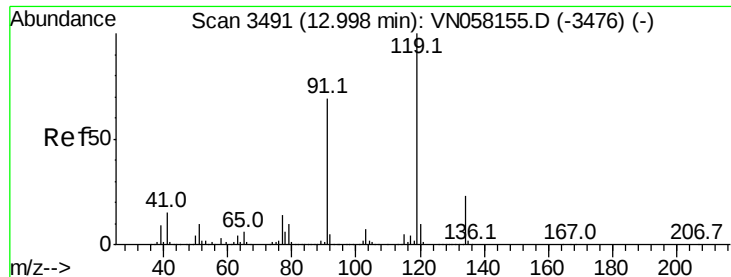
Tot Ion: 75 Resp: 107292
Ion Ratio Lower Upper
75 100
53 111.6 90.1 135.1
89 45.2 36.2 54.2



#82
4-Chlorotoluene
Concen: 51.702 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion: 91 Resp: 886342
Ion Ratio Lower Upper
91 100
126 31.8 15.7 47.1

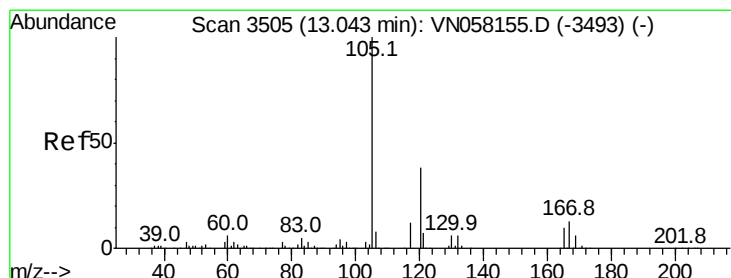
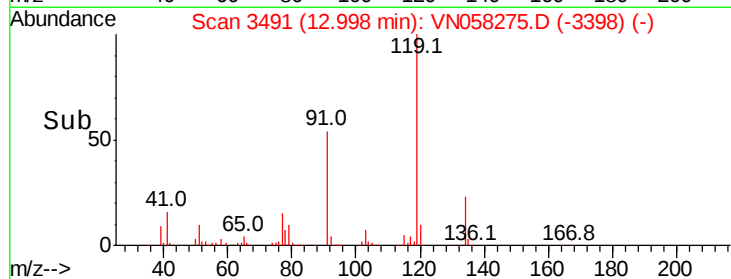
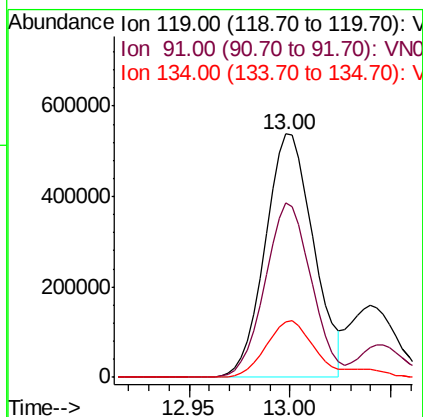
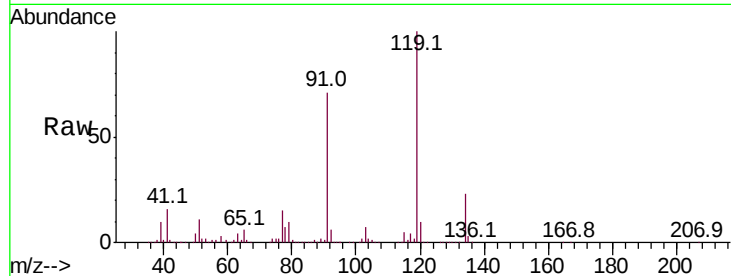




#83
tert-Butylbenzene
Concen: 51.604 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

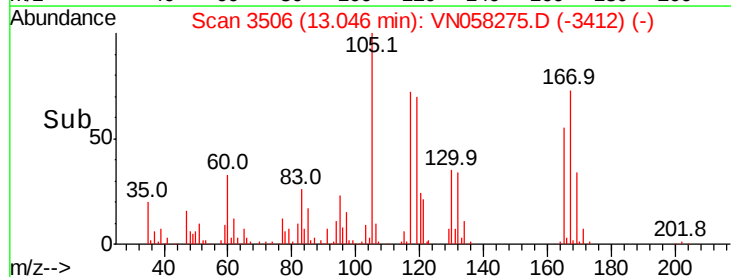
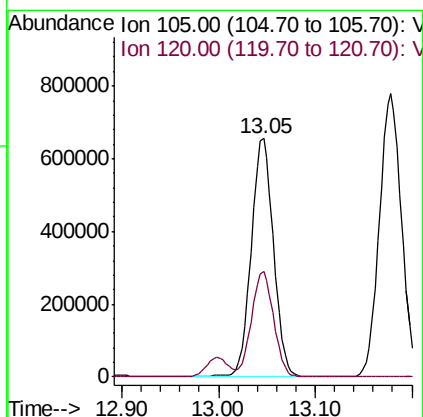
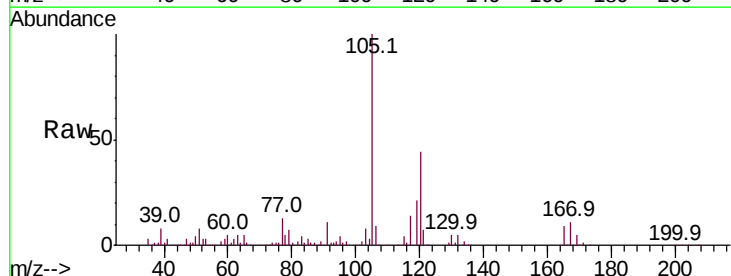
Instrument :
MSVOA_N
ClientSampled :

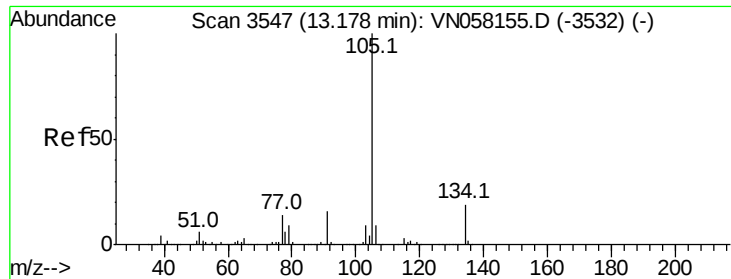
Tot Ion:119 Resp: 893636
Ion Ratio Lower Upper
119 100
91 68.9 33.8 101.3
134 23.4 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 54.238 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion:105 Resp: 1048142
Ion Ratio Lower Upper
105 100
120 43.8 22.1 66.5

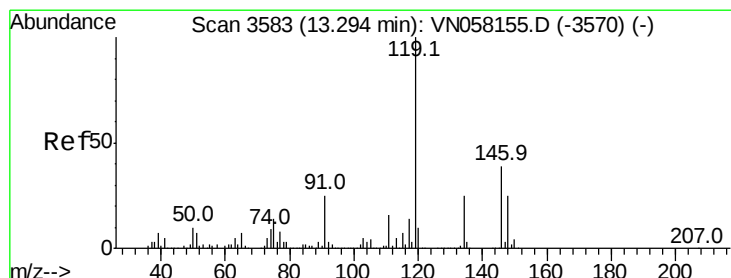
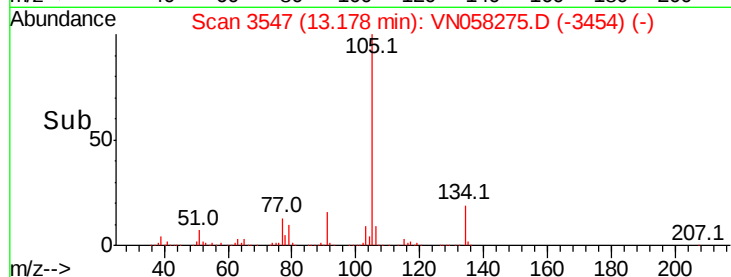
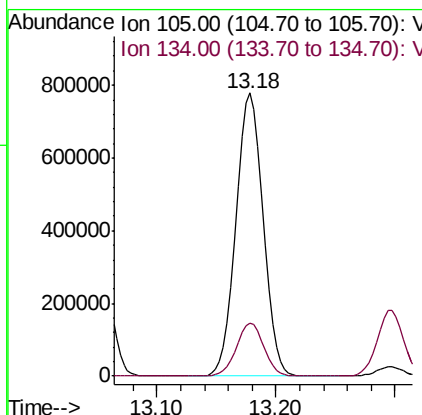
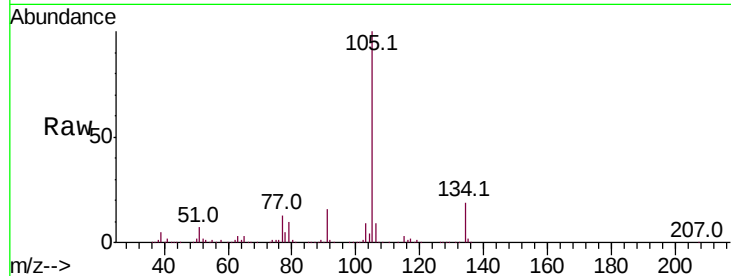




#85
 sec-Butylbenzene
 Concen: 54.409 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

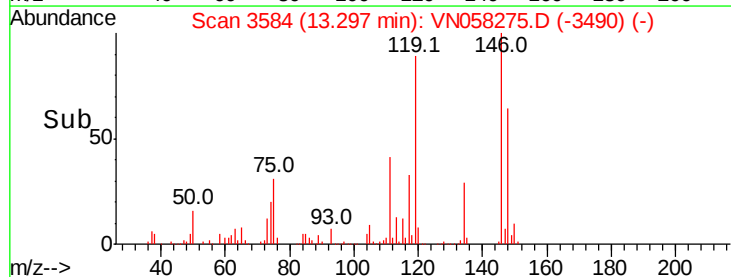
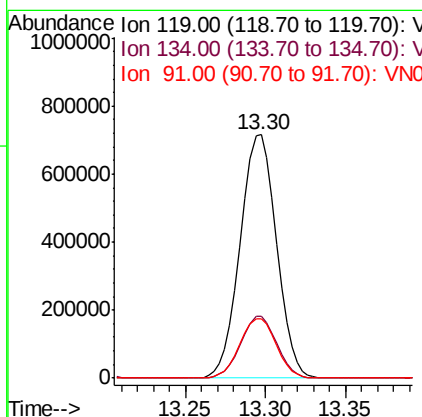
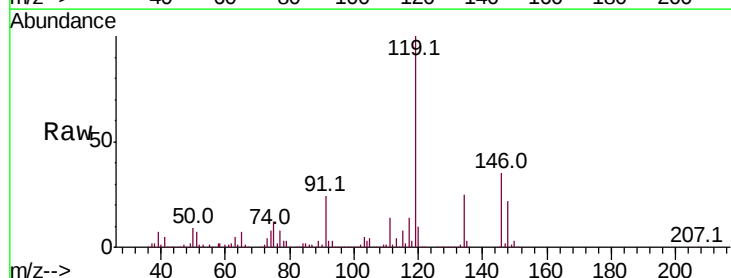
Instrument :
 MSVOA_N
 ClientSampled :

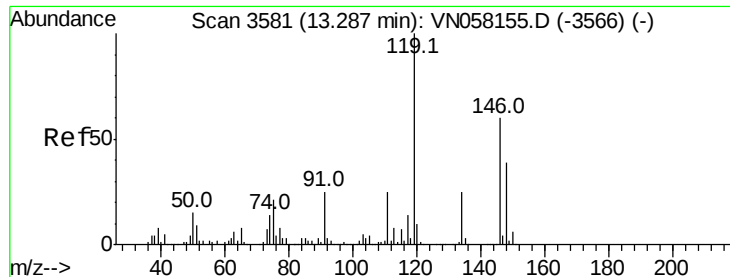
Tot Ion:105 Resp: 1232108
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 54.930 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion:119 Resp: 1105849
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.7 38.0
 91 24.5 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 51.568 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

ClientSampled :

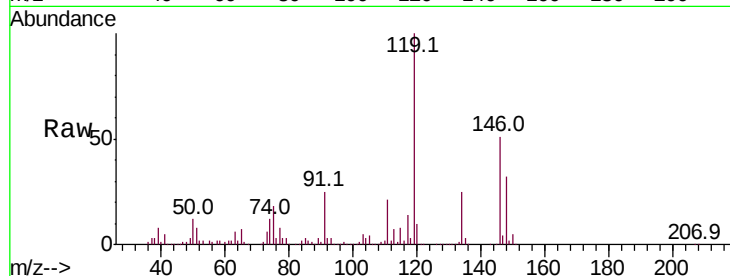
Tot Ion:146 Resp: 544074

Ion Ratio Lower Upper

146 100

111 41.9 20.9 62.8

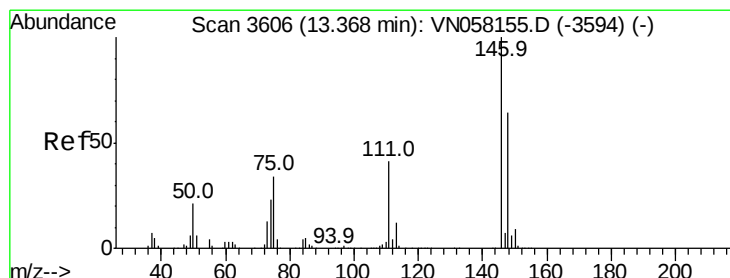
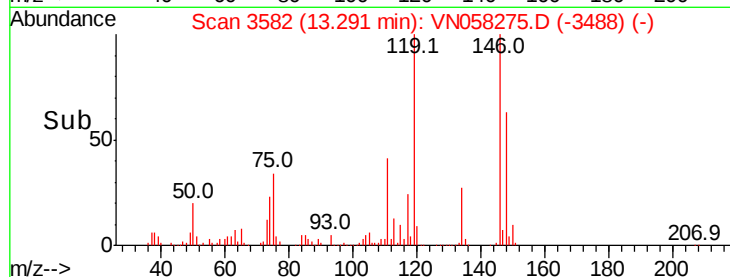
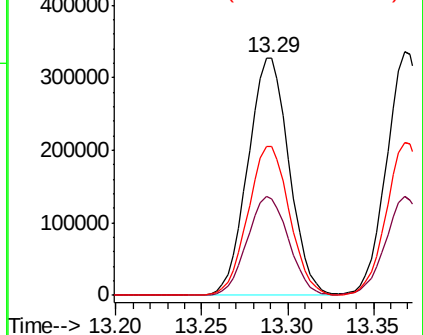
148 63.3 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.627 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

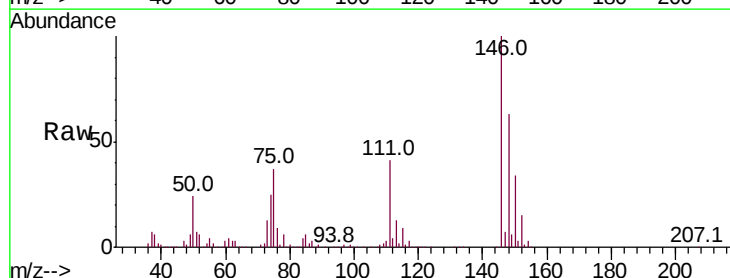
Tgt Ion:146 Resp: 545312

Ion Ratio Lower Upper

146 100

111 41.1 20.5 61.5

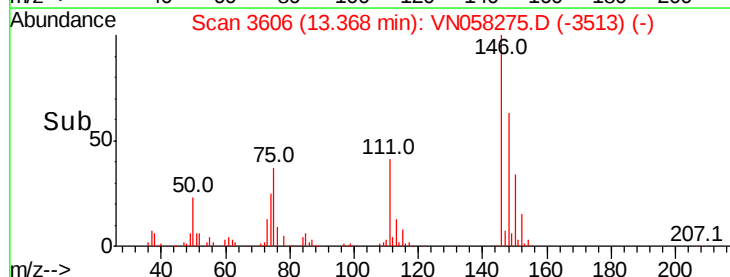
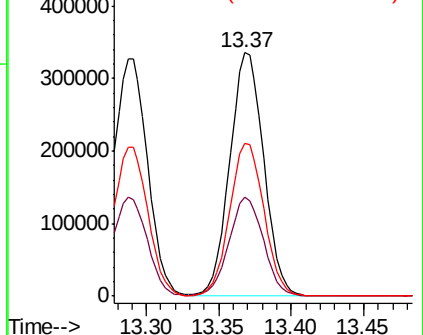
148 63.5 31.9 95.5

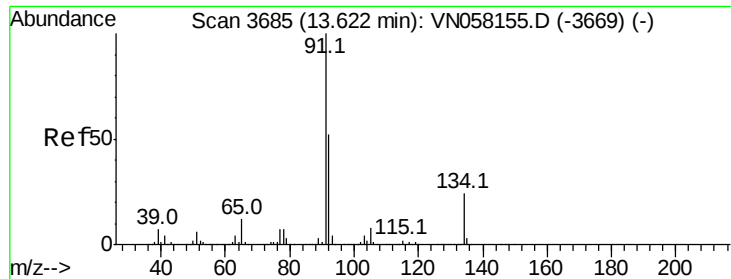


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

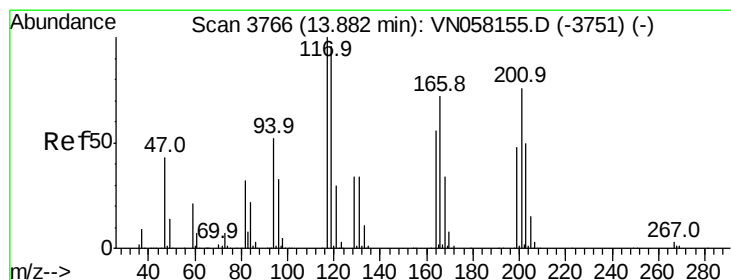
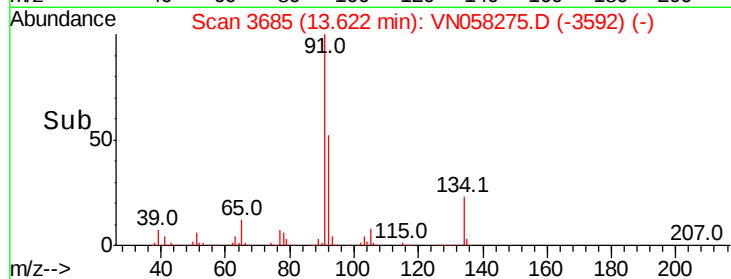
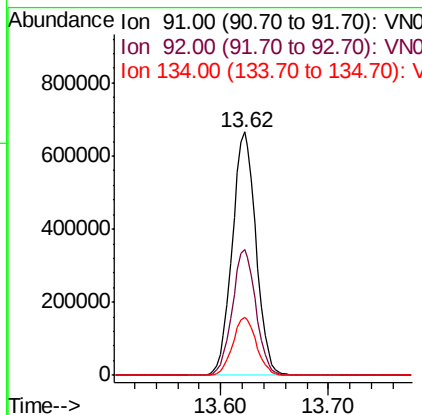
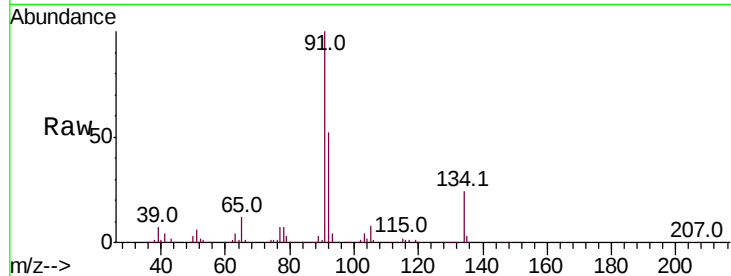




#89
n-Butylbenzene
Concen: 53.568 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

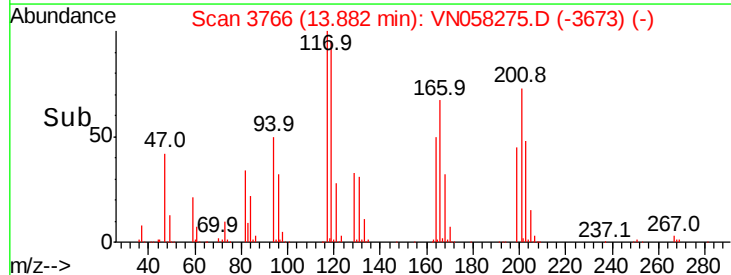
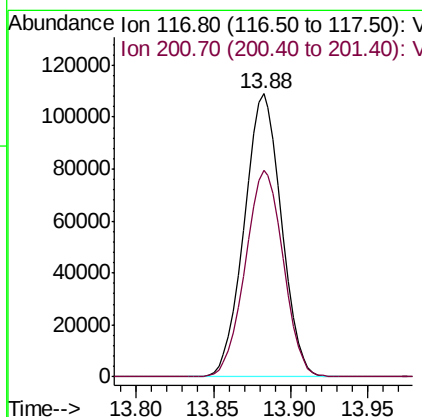
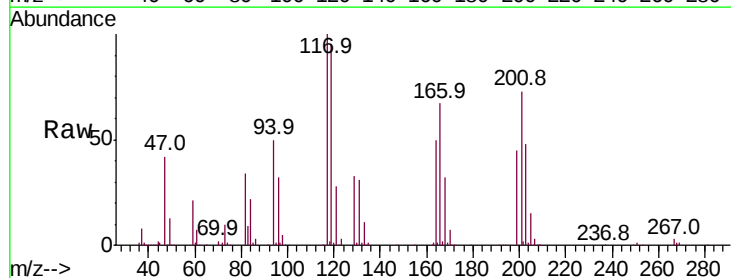
Instrument :
MSVOA_N
ClientSampled :

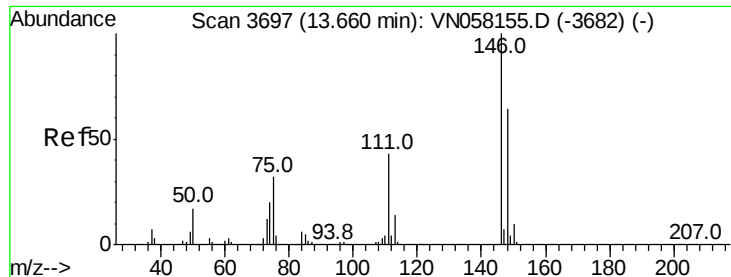
Tot Ion: 91 Resp: 1022443
Ion Ratio Lower Upper
91 100
92 51.4 25.7 77.0
134 24.0 11.8 35.4



#90
Hexachloroethane
Concen: 51.476 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058275.D
Acq: 23 Sep 2019 8:42

Tgt Ion: 117 Resp: 182037
Ion Ratio Lower Upper
117 100
201 74.7 37.5 112.5





#91

1,2-Dichlorobenzene

Concen: 51.351 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

ClientSampled :

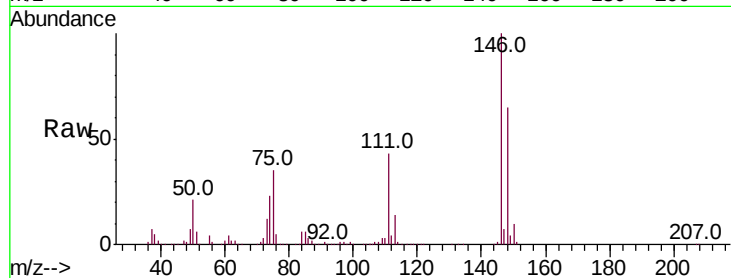
Tot Ion:146 Resp: 543463

Ion Ratio Lower Upper

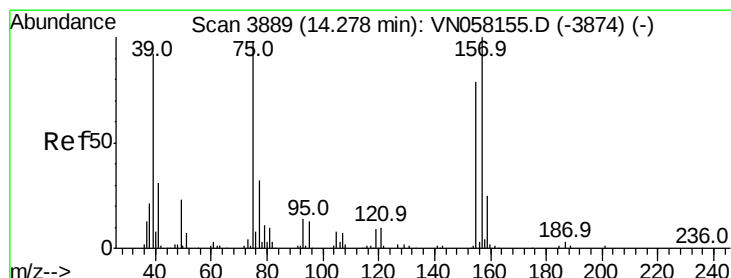
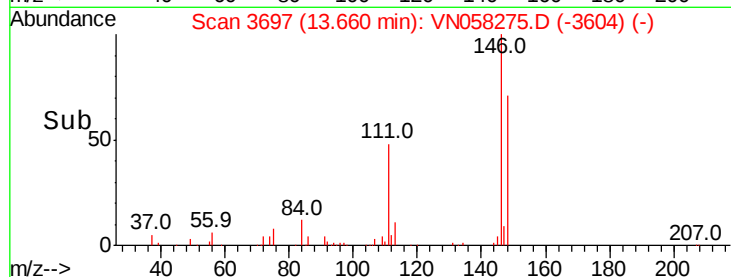
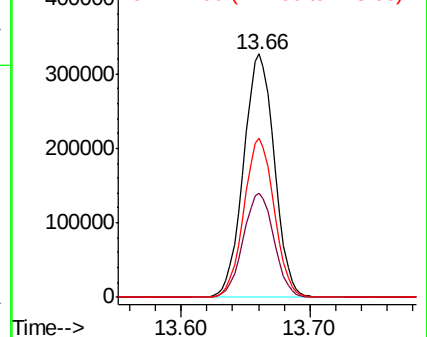
146 100

111 42.8 21.1 63.1

148 64.3 31.8 95.4



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: 53.925 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

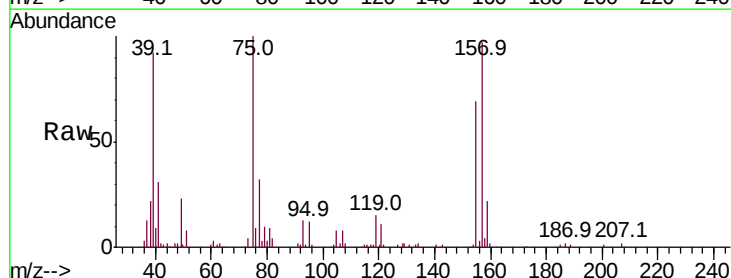
Tgt Ion: 75 Resp: 74657

Ion Ratio Lower Upper

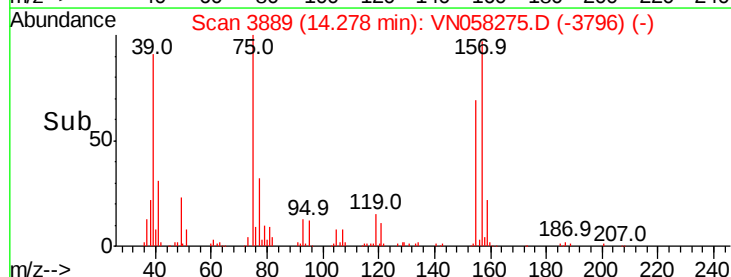
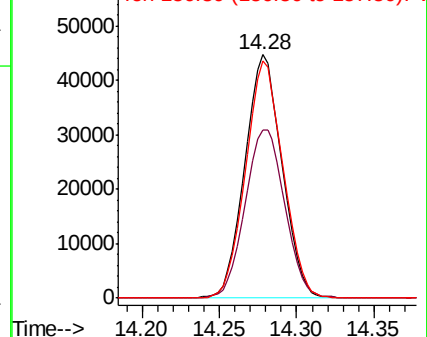
75 100

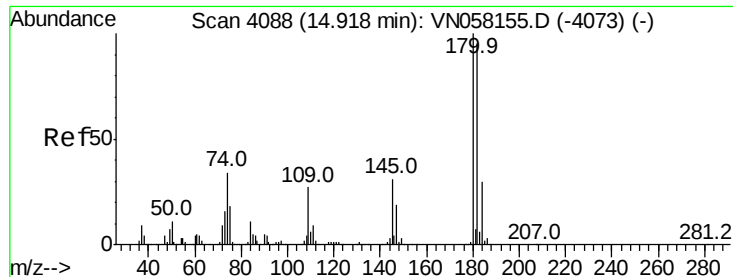
155 73.9 38.3 114.8

157 97.9 48.0 144.0



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

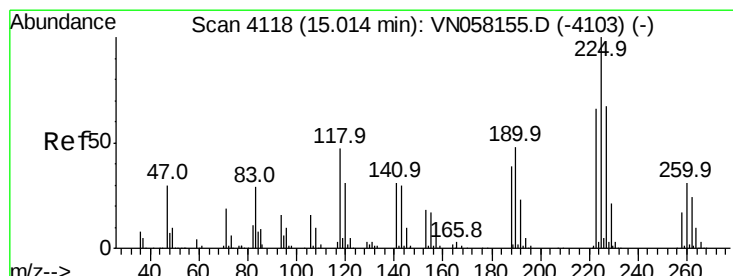
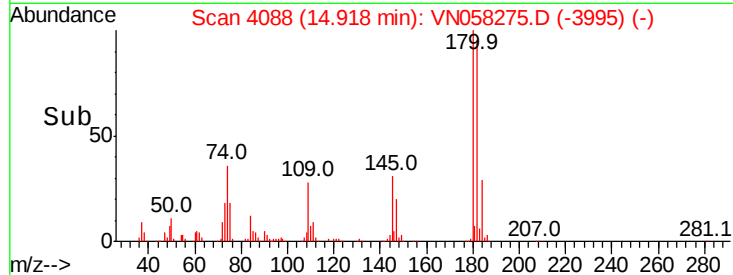
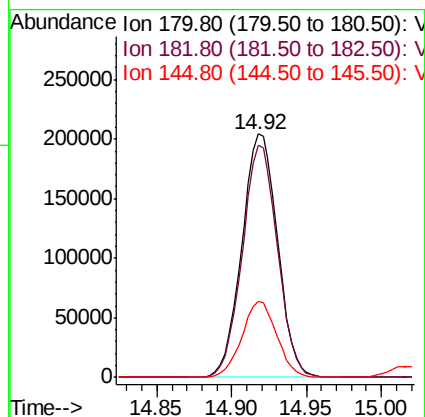
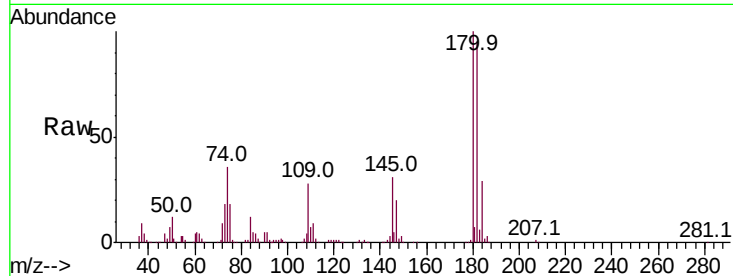




#93
 1,2,4-Trichlorobenzene
 Concen: 50.142 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

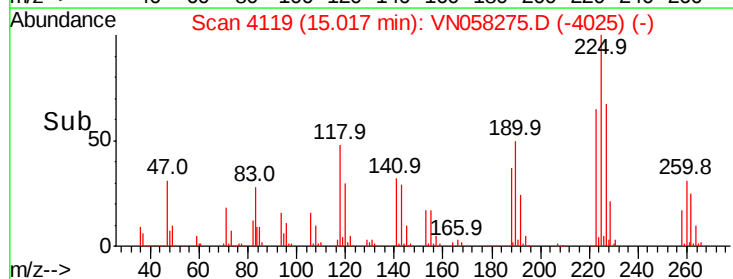
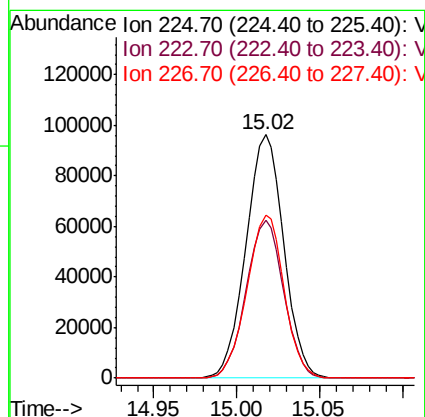
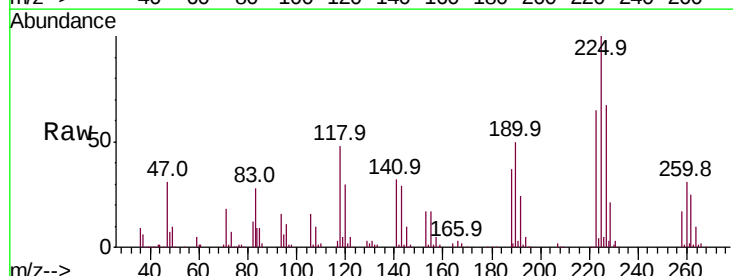
Instrument :
 MSVOA_N
 ClientSampled :

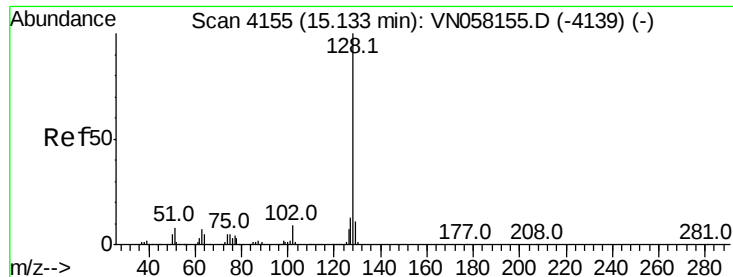
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.8	143.3
145	30.4	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 46.557 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058275.D
 Acq: 23 Sep 2019 8:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	32.6	97.7
227	65.9	33.0	99.0





#95

Naphthalene

Concen: 51.634 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058275.D

Acq: 23 Sep 2019 8:42

Instrument :

MSVOA_N

ClientSampleId :

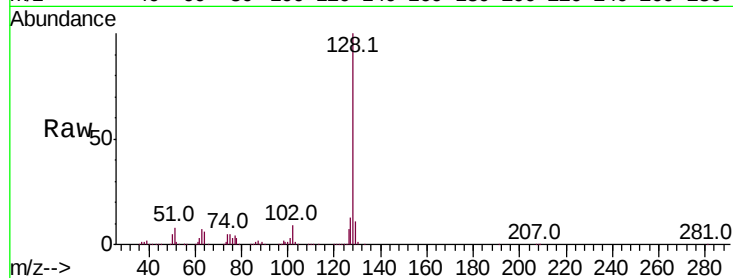
Tot Ion:128 Resp: 904845

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

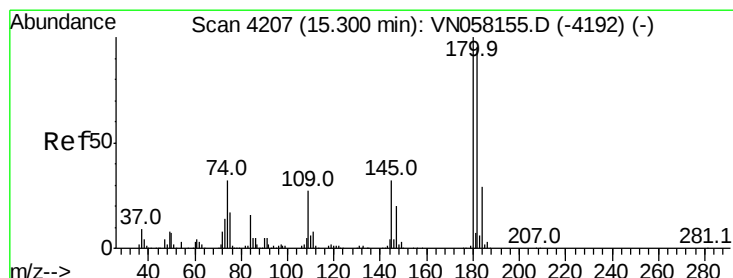
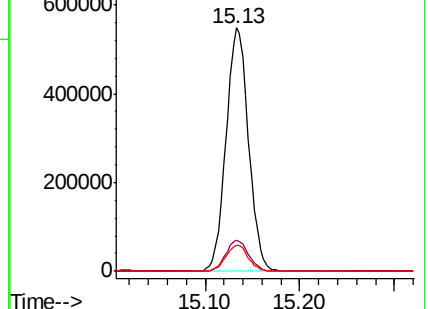
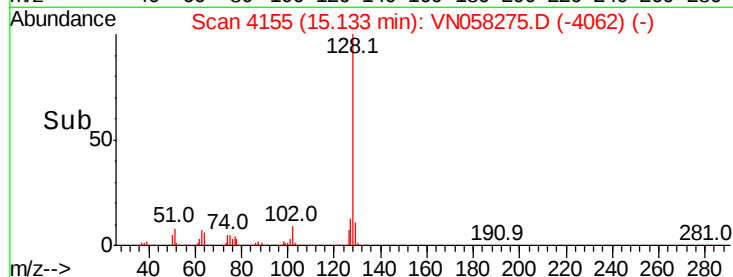
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.428 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058275.D

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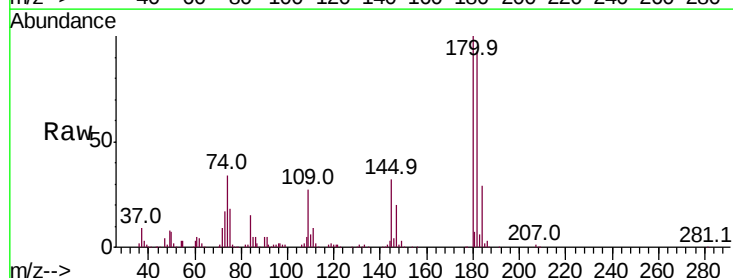
Tgt Ion:180 Resp: 315907

Ion Ratio Lower Upper

180 100

182 94.3 47.4 142.2

145 32.2 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

