

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061549.D
 Acq On : 28 May 2020 23:13
 Operator : JC/MD
 Sample : L2182-07 .5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 29 02:47:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:45:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	303192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	539107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	488285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	204587	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	202289	56.00	ug/l	0.00
Spiked Amount			Recovery	=	112.00%	
35) Dibromofluoromethane	7.55	113	154825	56.61	ug/l	0.00
Spiked Amount			Recovery	=	113.22%	
50) Toluene-d8	10.06	98	636044	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.38	95	211387	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	1501	0.474	ug/l	90
3) Chloromethane	2.03	50	2509	0.678	ug/l	94
4) Vinyl Chloride	2.16	62	2725	0.538	ug/l #	79
5) Bromomethane	2.54	94	2940	1.011	ug/l	95
6) Chloroethane	2.67	64	1881	0.577	ug/l	93
7) Trichlorofluoromethane	2.97	101	3743	0.573	ug/l	93
8) Diethyl Ether	3.38	74	971	0.486	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.72	101	830	0.286	ug/l #	32
10) Methyl Iodide	3.91	142	2960	0.735	ug/l #	68
11) Tert butyl alcohol	4.73	59	745	1.551	ug/l #	72
12) 1,1-Dichloroethene	3.69	96	1076	0.347	ug/l	84
13) Acrolein	3.56	56	242	1.314	ug/l #	1
14) Allyl chloride	4.27	41	1708	0.422	ug/l #	42
15) Acrylonitrile	4.94	53	461	0.344	ug/l #	1
16) Acetone	3.78	43	5759	4.507	ug/l	97
17) Carbon Disulfide	4.00	76	5328	0.782	ug/l	100
18) Methyl Acetate	4.27	43	2116	0.647	ug/l #	61
19) Methyl tert-butyl Ether	4.99	73	5508	0.522	ug/l	98
20) Methylene Chloride	4.51	84	1836	0.415	ug/l #	89
21) trans-1,2-Dichloroethene	4.99	96	1559	0.446	ug/l #	70
22) Diisopropyl ether	5.90	45	4655	0.521	ug/l #	89
23) Vinyl Acetate	5.85	43	16347	2.298	ug/l	98
24) 1,1-Dichloroethane	5.79	63	1286	0.227	ug/l #	81
25) 2-Butanone	6.80	43	5047	2.948	ug/l	95
26) 2,2-Dichloropropane	6.77	77	2918	0.563	ug/l #	67
27) cis-1,2-Dichloroethene	6.79	96	1217	0.308	ug/l #	18
29) Tetrahydrofuran	7.17	42	2939	2.603	ug/l	94
30) Chloroform	7.33	83	3496	0.558	ug/l	98
31) Cyclohexane	7.62	56	8992	1.766	ug/l #	36
32) 1,1,1-Trichloroethane	7.53	97	3080	0.540	ug/l #	49
36) 1,1-Dichloropropene	7.75	75	2636	0.552	ug/l	95
38) Carbon Tetrachloride	7.73	117	1399	0.304	ug/l #	73
39) Methylcyclohexane	9.05	83	2861	0.486	ug/l	96
40) Benzene	8.00	78	7536	0.512	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

41) Methacrylonitrile	7.13	41	441	0.250	ug/l #	47
42) 1,2-Dichloroethane	8.09	62	2948	0.598	ug/l	77
43) Isopropyl Acetate	8.13	43	3530	0.510	ug/l #	84
44) Trichloroethene	8.80	130	2494	0.551	ug/l	90
45) 1,2-Dichloropropane	9.09	63	1856	0.531	ug/l #	81
46) Dibromomethane	9.17	93	1305	0.487	ug/l	90
47) Bromodichloromethane	9.37	83	2445	0.460	ug/l #	97
48) Methyl methacrylate	9.17	41	1741	0.560	ug/l #	78
49) 1,4-Dioxane	9.16	88	273	5.664	ug/l #	11
51) 4-Methyl-2-Pentanone	9.95	43	8820	2.263	ug/l	98
52) Toluene	10.12	92	4712	0.490	ug/l	93
53) t-1,3-Dichloropropene	10.36	75	2511	0.439	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	2714	0.441	ug/l #	90
55) 1,1,2-Trichloroethane	10.54	97	1711	0.447	ug/l	96
56) Ethyl methacrylate	10.40	69	2075	0.388	ug/l #	79
57) 1,3-Dichloropropane	10.68	76	2766	0.452	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.67	63	4898	2.143	ug/l	99
59) 2-Hexanone	10.73	43	6570	2.347	ug/l	84
60) Dibromochloromethane	10.88	129	1637	0.376	ug/l	86
61) 1,2-Dibromoethane	10.98	107	1813	0.454	ug/l	99
64) Tetrachloroethene	10.61	164	2148	0.467	ug/l	92
65) Chlorobenzene	11.41	112	5459	0.538	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.48	131	1678	0.444	ug/l #	61
67) Ethyl Benzene	11.49	91	9629	0.549	ug/l	95
68) m/p-Xylenes	11.59	106	6763	0.972	ug/l	91
69) o-Xylene	11.92	106	3306	0.500	ug/l	91
70) Styrene	11.94	104	5309	0.485	ug/l	99
71) Bromoform	12.10	173	960	0.330	ug/l #	89
73) Isopropylbenzene	12.22	105	8751	0.586	ug/l	95
74) N-amyl acetate	12.05	43	2423	0.515	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.48	83	2273	0.543	ug/l	93
76) 1,2,3-Trichloropropane	12.38	75	105631	28.394	ug/l #	100
77) Bromobenzene	12.50	156	2283	0.599	ug/l	77
78) n-propylbenzene	12.57	91	9650	0.579	ug/l	98
79) 2-Chlorotoluene	12.65	91	5762	0.580	ug/l	91
80) 1,3,5-Trimethylbenzene	12.71	105	6240	0.500	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.38	75	105631	72.611	ug/l #	15
82) 4-Chlorotoluene	12.75	91	6527	0.624	ug/l	90
83) tert-Butylbenzene	12.97	119	5611	0.509	ug/l	95
84) 1,2,4-Trimethylbenzene	13.02	105	6781	0.547	ug/l	95
85) sec-Butylbenzene	13.15	105	7212	0.508	ug/l	99
86) p-Isopropyltoluene	13.26	119	6519	0.498	ug/l	84
87) 1,3-Dichlorobenzene	13.26	146	4239	0.628	ug/l	92
88) 1,4-Dichlorobenzene	13.26	146	4239	0.617	ug/l	92
89) n-Butylbenzene	13.59	91	6721	0.613	ug/l	89
90) Hexachloroethane	13.85	117	542	0.375	ug/l	68
91) 1,2-Dichlorobenzene	13.63	146	3780	0.586	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	472	0.553	ug/l	75
93) 1,2,4-Trichlorobenzene	14.89	180	2722	0.722	ug/l	92
94) Hexachlorobutadiene	14.98	225	1103	0.686	ug/l	86

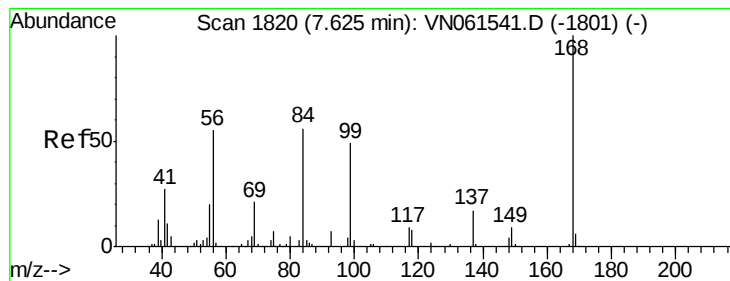
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.11	128	8109	0.706	ug/l	97
96) 1,2,3-Trichlorobenzene	15.29	180	2497	0.673	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

Instrument :

MSVOA_N

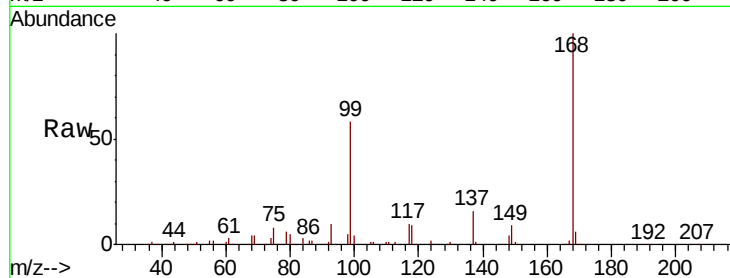
ClientSampled :

Tot Ion:168 Resp: 303192

Ion Ratio Lower Upper

168 100

99 57.9 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

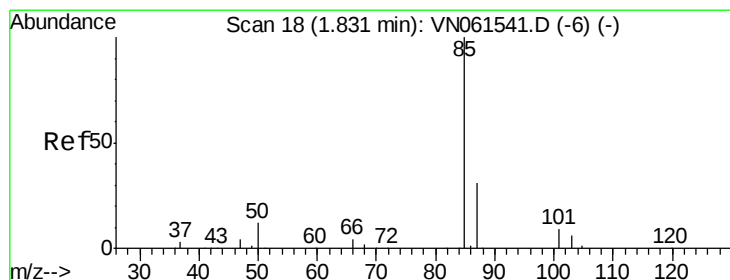
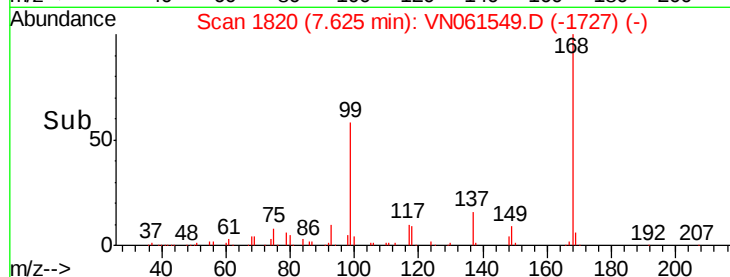
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.474 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061549.D

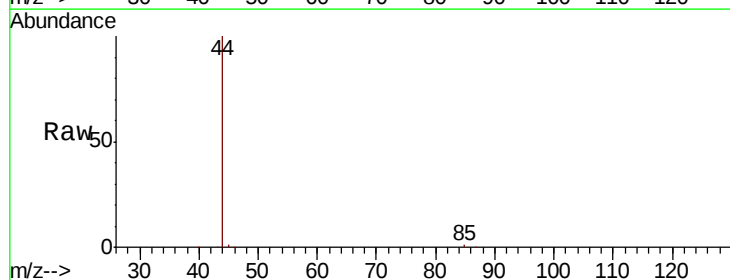
Acq: 28 May 2020 23:13

Tgt Ion: 85 Resp: 1501

Ion Ratio Lower Upper

85 100

87 25.5 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

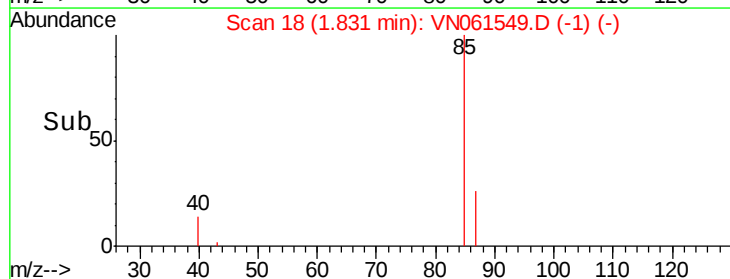
1.83

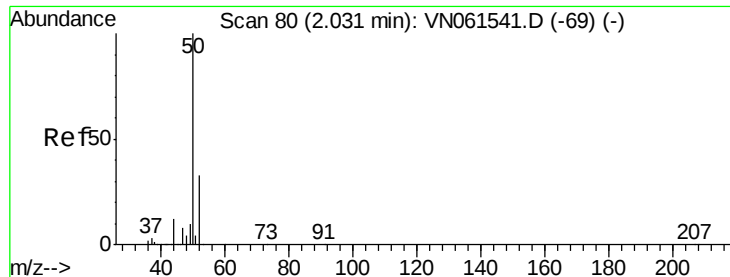
1000

500

0

Time-->





#3

Chloromethane

Concen: 0.678 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

Instrument :

MSVOA_N

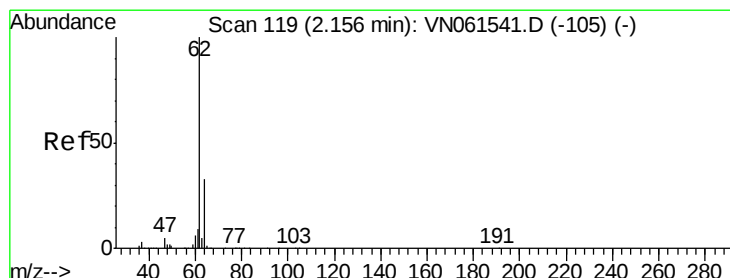
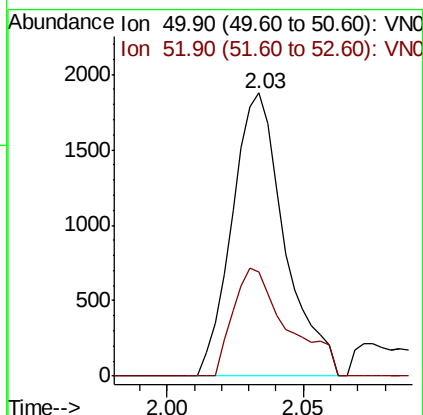
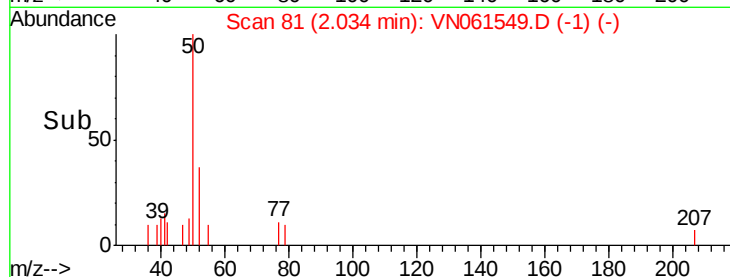
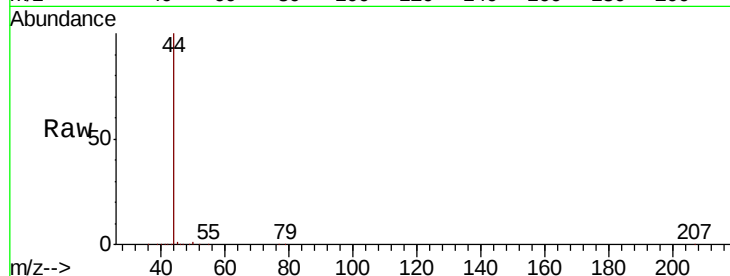
ClientSampleId :

Tot Ion: 50 Resp: 2509

Ion Ratio Lower Upper

50 100

52 37.0 26.7 40.1



#4

Vinyl Chloride

Concen: 0.538 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061549.D

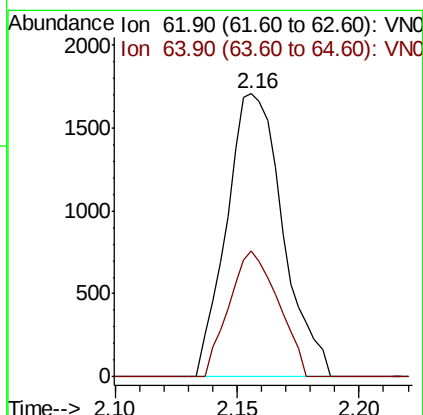
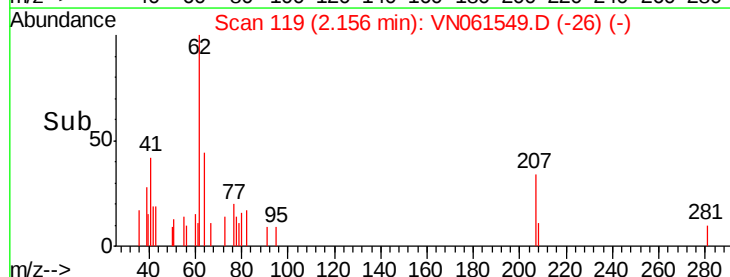
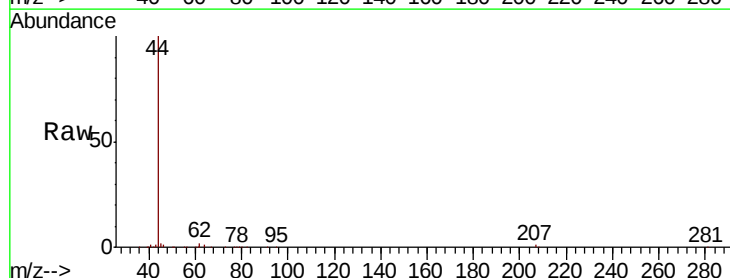
Acq: 28 May 2020 23:13

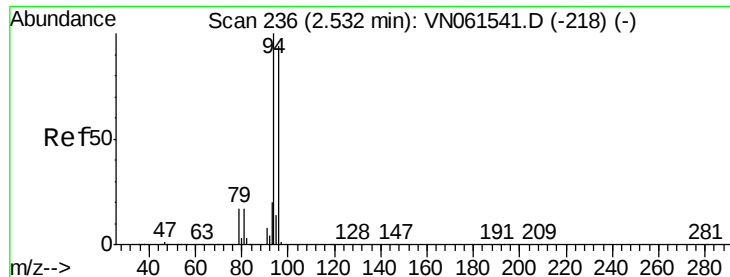
Tgt Ion: 62 Resp: 2725

Ion Ratio Lower Upper

62 100

64 44.3 26.2 39.2#





#5

Bromomethane

Concen: 1.011 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

Instrument :

MSVOA_N

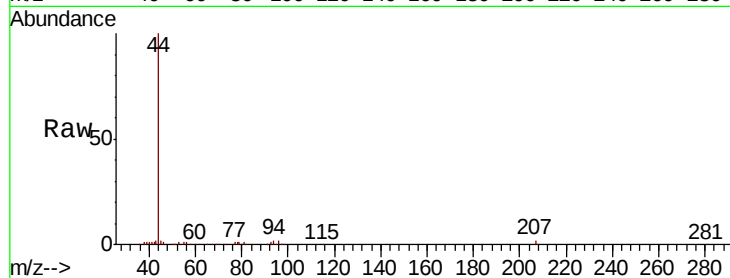
ClientSampleId :

Tot Ion: 94 Resp: 2940

Ion Ratio Lower Upper

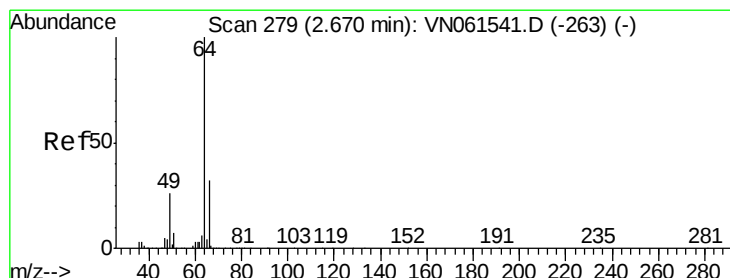
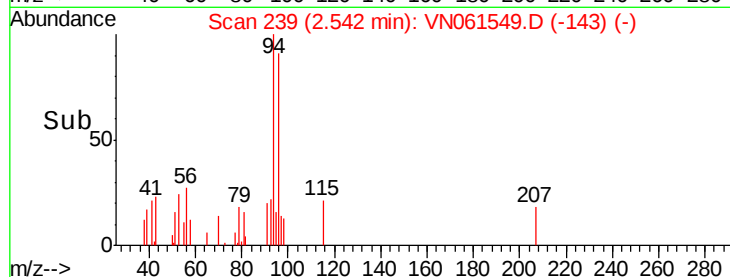
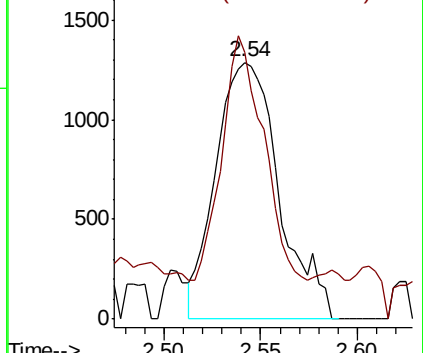
94 100

96 88.8 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.577 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN061549.D

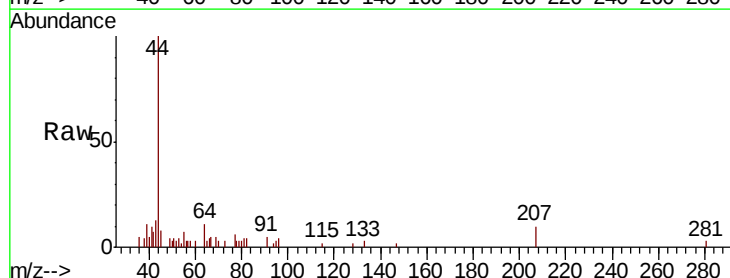
Acq: 28 May 2020 23:13

Tgt Ion: 64 Resp: 1881

Ion Ratio Lower Upper

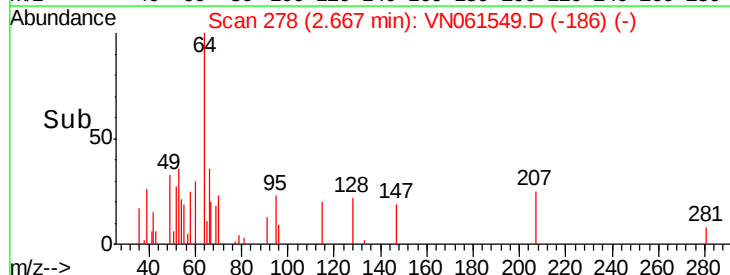
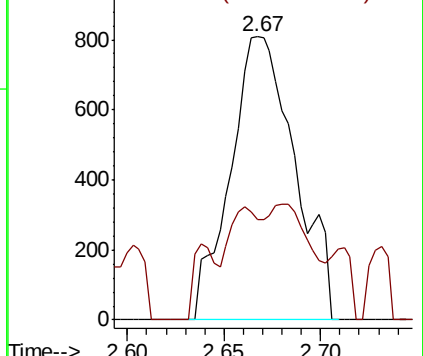
64 100

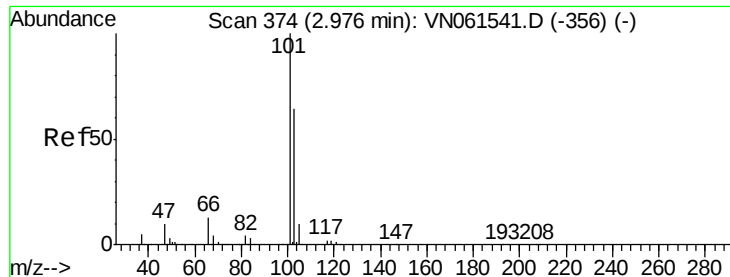
66 35.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



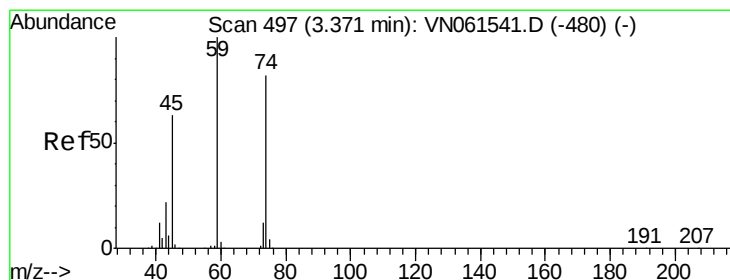
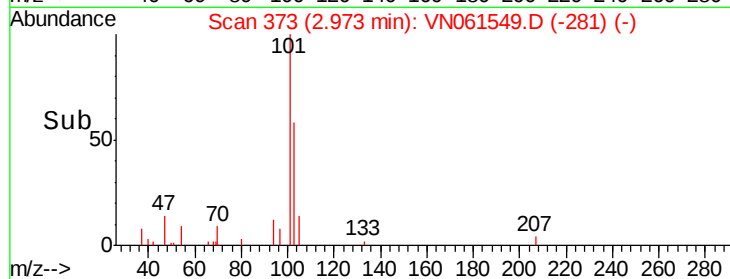
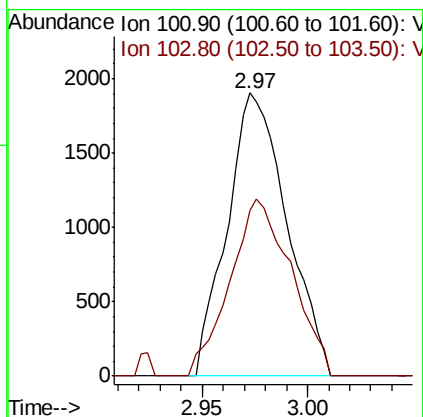
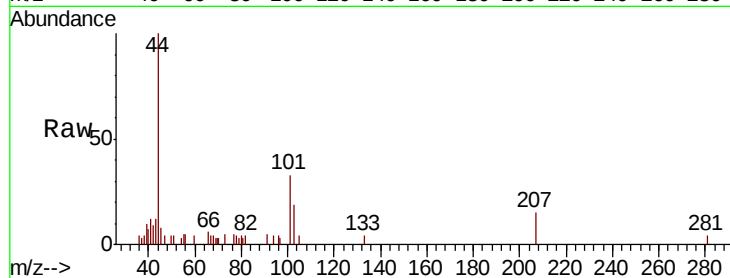


#7

Trichlorofluoromethane
Concen: 0.573 ug/l
RT: 2.97 min Scan# 373
Delta R.T. -0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Instrument :
MSVOA_N
ClientSampled :

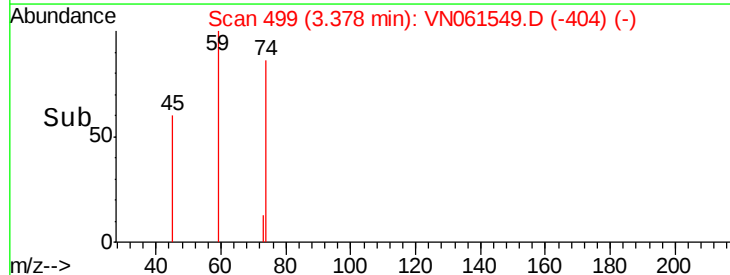
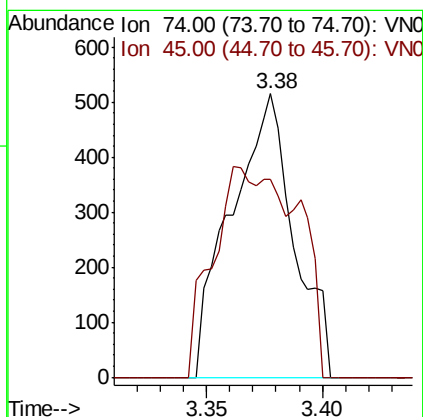
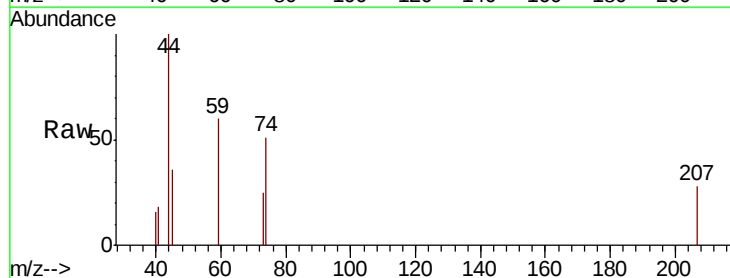
Tot Ion:101 Resp: 3743
Ion Ratio Lower Upper
101 100
103 58.4 51.4 77.2

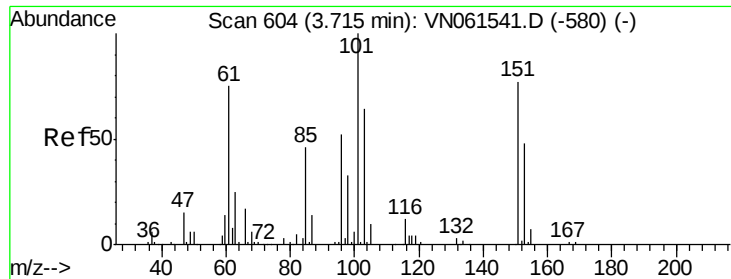


#8

Diethyl Ether
Concen: 0.486 ug/l
RT: 3.38 min Scan# 499
Delta R.T. 0.01 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Tgt Ion: 74 Resp: 971
Ion Ratio Lower Upper
74 100
45 51.2 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.286 ug/l

RT: 3.72 min Scan# 607

Delta R.T. 0.01 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

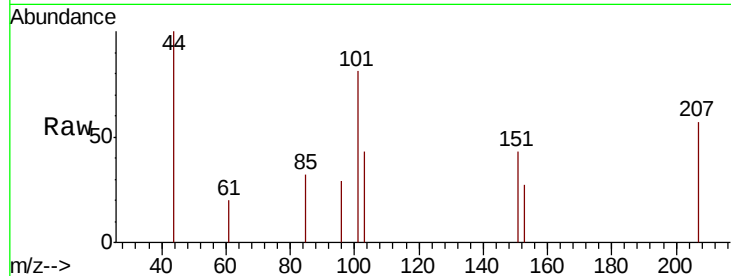
Tot Ion:101 Resp: 830

Ion Ratio Lower Upper

101 100

85 19.3 35.2 52.8#

151 149.3 61.0 91.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V

3.72

600

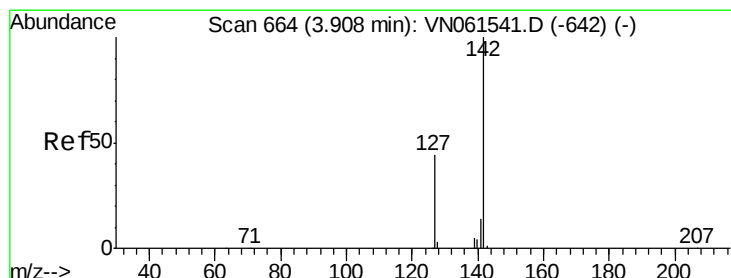
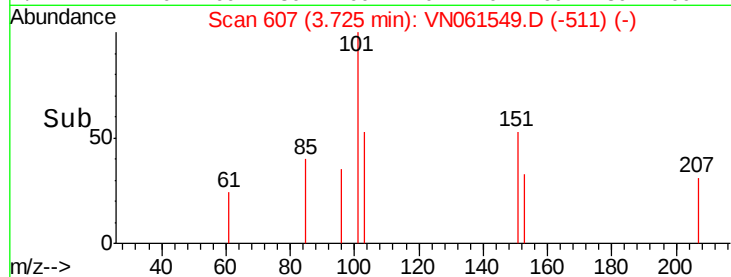
400

200

0

3.70 3.72 3.74 3.76

Time-->



#10

Methyl Iodide

Concen: 0.735 ug/l

RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

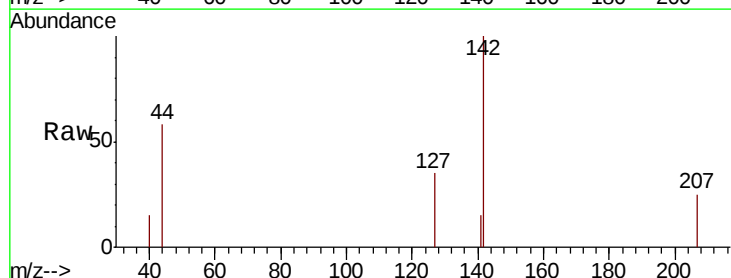
Tgt Ion:142 Resp: 2960

Ion Ratio Lower Upper

142 100

127 22.5 35.5 53.3#

141 3.6 11.5 17.3#



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

1500

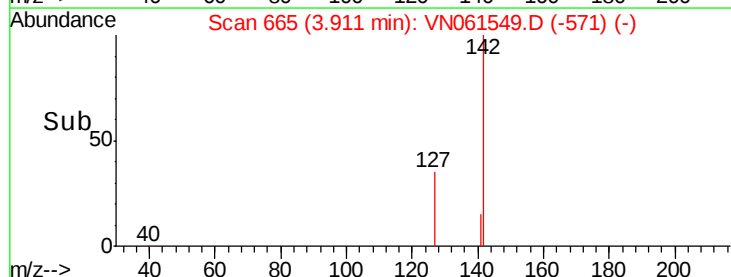
1000

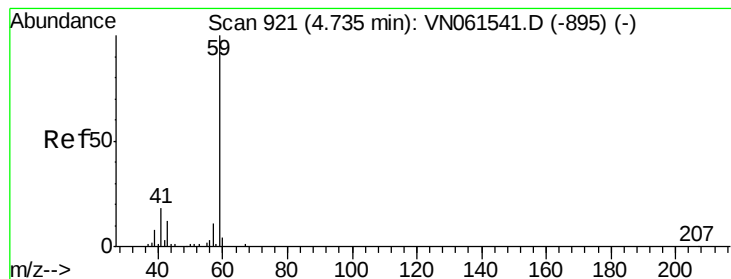
500

0

3.85 3.90 3.95

Time-->



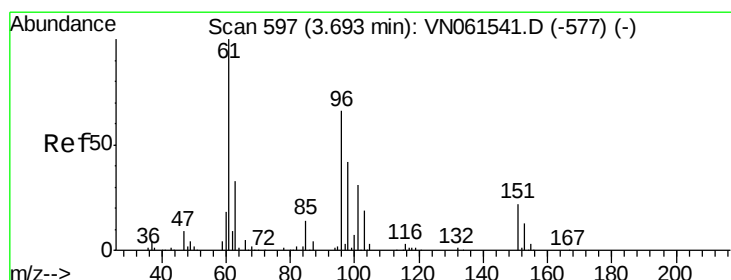
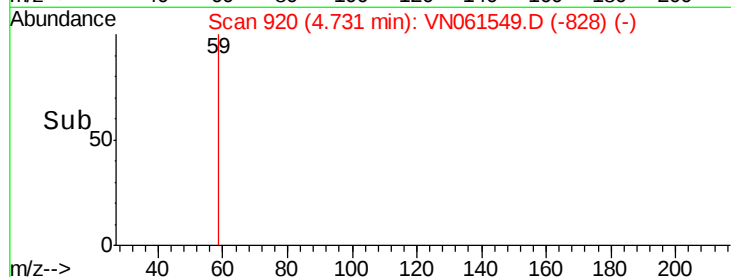
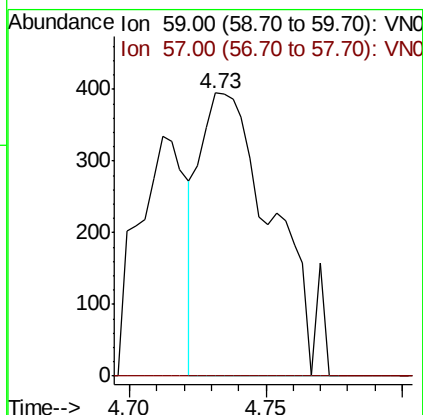
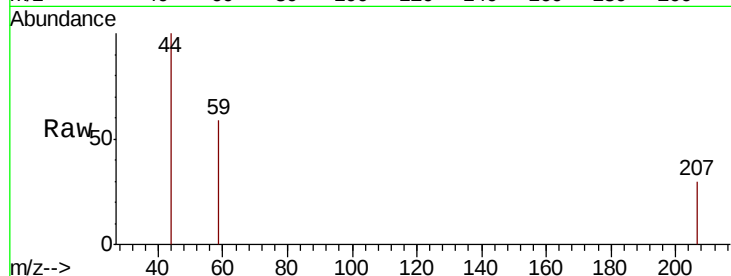


#11

Tert butyl alcohol
Concen: 1.551 ug/l
RT: 4.73 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Instrument :
MSVOA_N
ClientSampled :

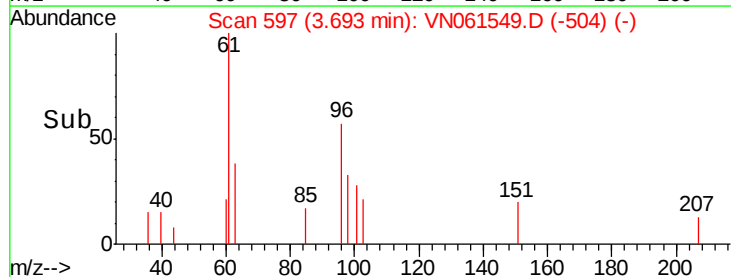
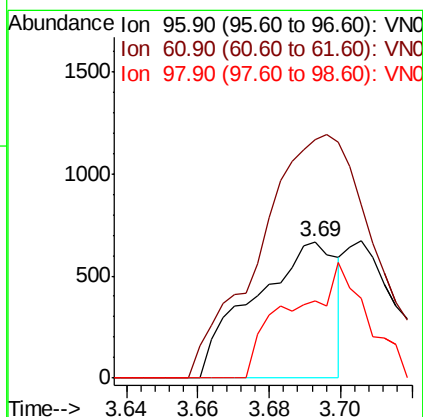
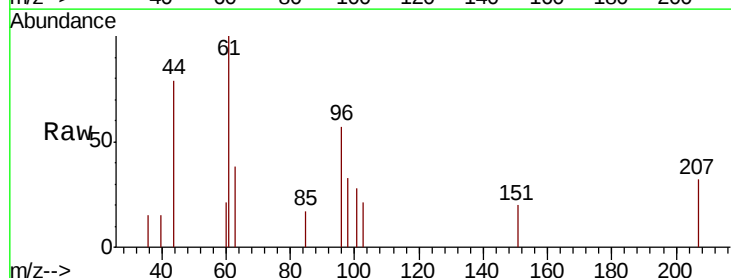
Tot Ion: 59 Resp: 745
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

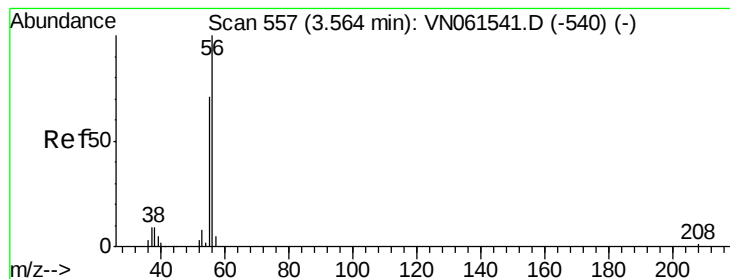


#12

1,1-Dichloroethene
Concen: 0.347 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Tgt Ion: 96 Resp: 1076
Ion Ratio Lower Upper
96 100
61 174.6 120.5 180.7
98 56.7 50.8 76.2





#13

Acrolein

Concen: 1.314 ug/l

RT: 3.56 min Scan# 555

Delta R.T. -0.01 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

Instrument :

MSVOA_N

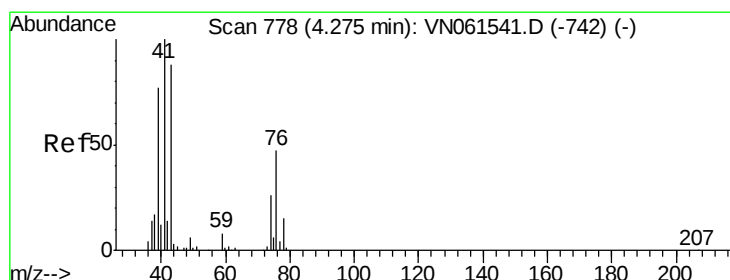
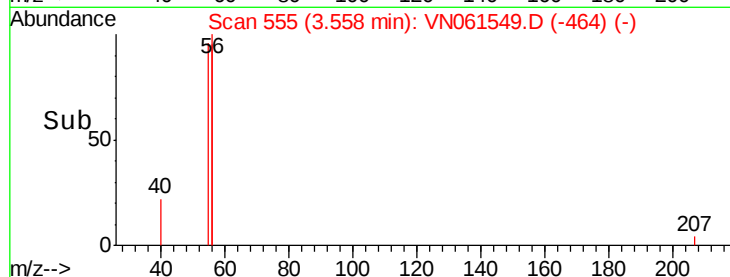
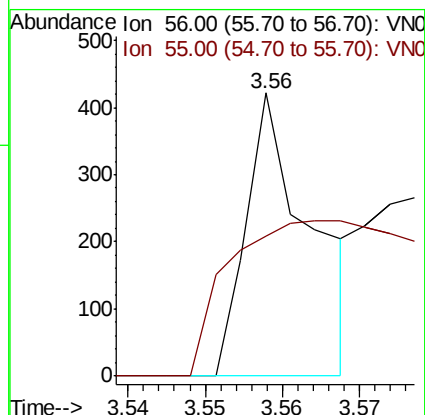
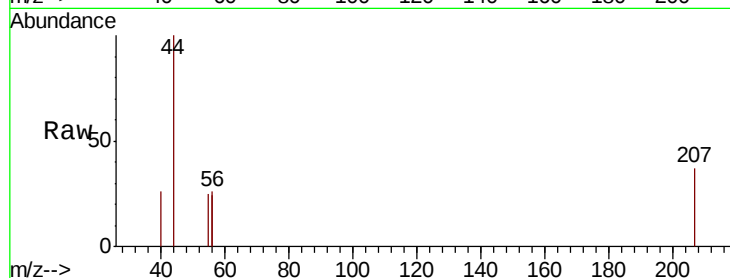
ClientSampled :

Tot Ion: 56 Resp: 242

Ion Ratio Lower Upper

56 100

55 163.2 58.0 87.0#



#14

Allyl chloride

Concen: 0.422 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

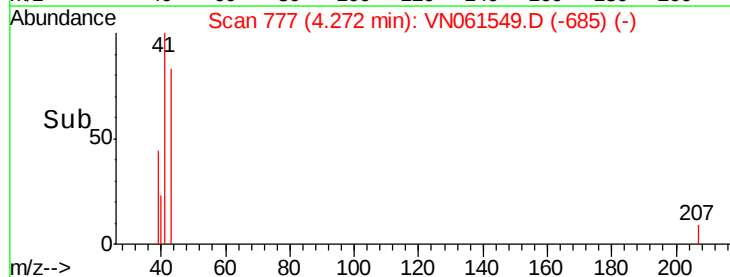
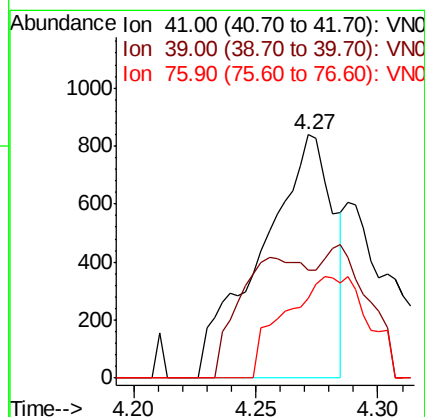
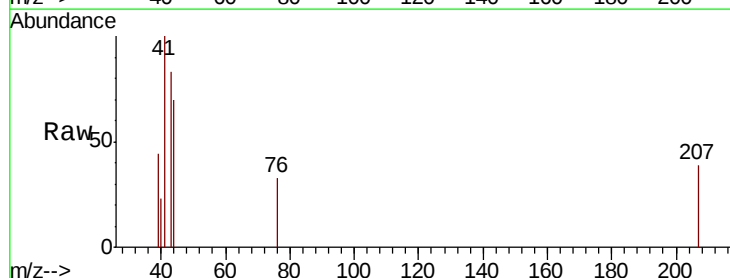
Tgt Ion: 41 Resp: 1708

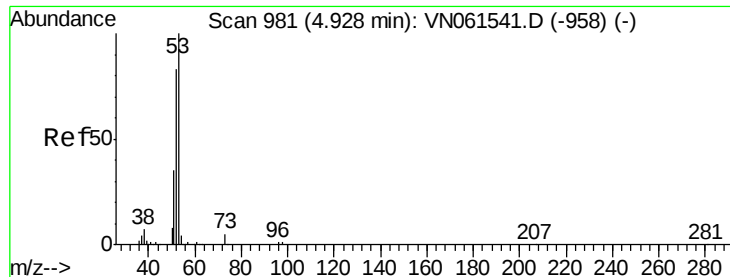
Ion Ratio Lower Upper

41 100

39 0.0 58.6 88.0#

76 48.1 34.2 51.4





#15

Acrylonitrile

Concen: 0.344 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.01 min

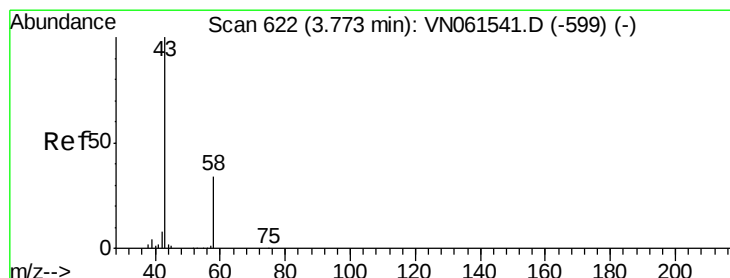
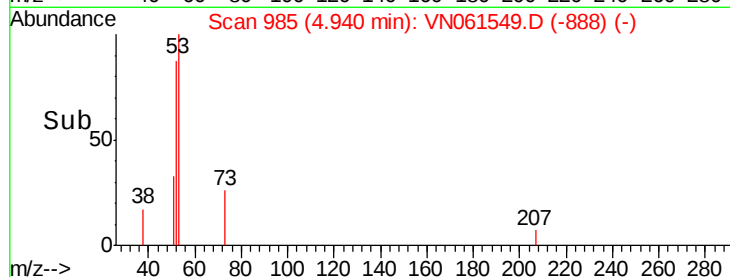
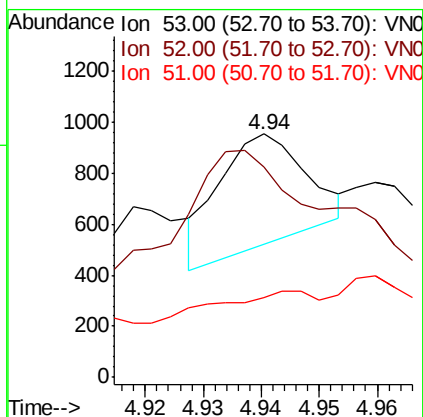
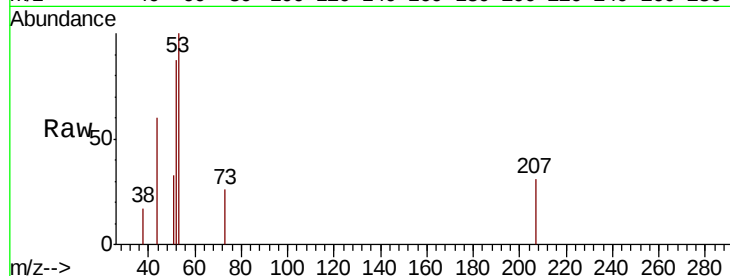
Lab File: VN061549.D

Acq: 28 May 2020 23:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 53 Resp: 461

Ion	Ratio	Lower	Upper
53	100		
52	559.0	65.4	98.2#
51	112.1	29.0	43.6#



#16

Acetone

Concen: 4.507 ug/l

RT: 3.78 min Scan# 623

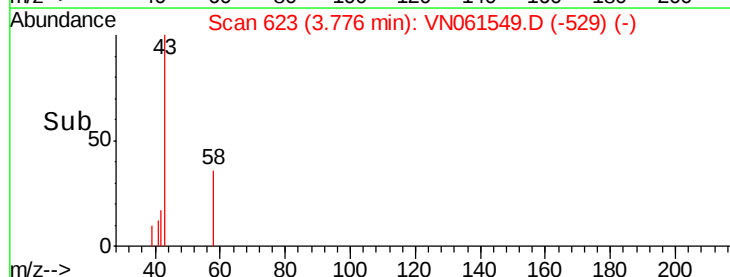
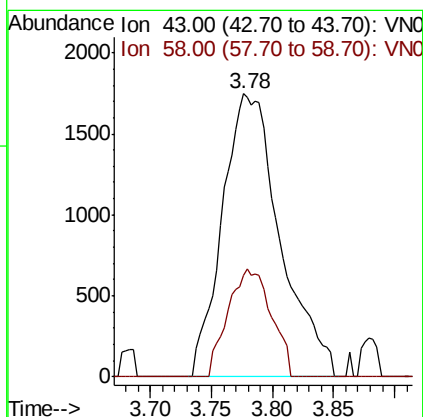
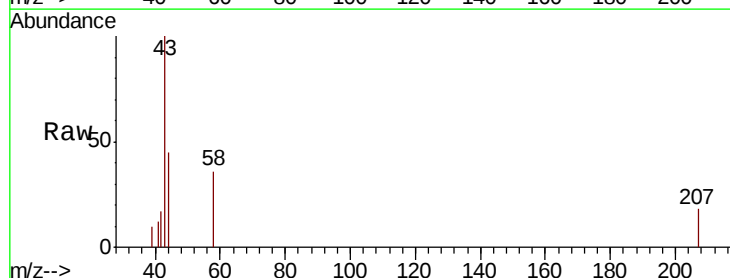
Delta R.T. 0.00 min

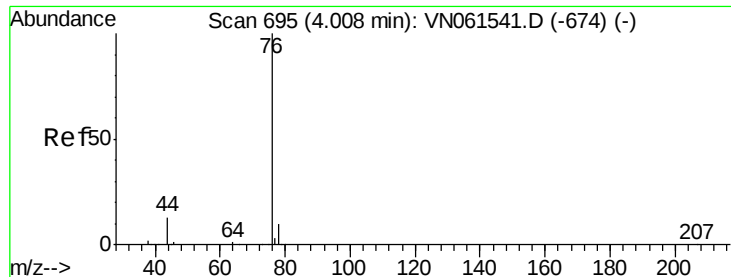
Lab File: VN061549.D

Acq: 28 May 2020 23:13

Tgt Ion: 43 Resp: 5759

Ion	Ratio	Lower	Upper
43	100		
58	35.8	27.2	40.8





#17

Carbon Disulfide

Concen: 0.782 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

Instrument :

MSVOA_N

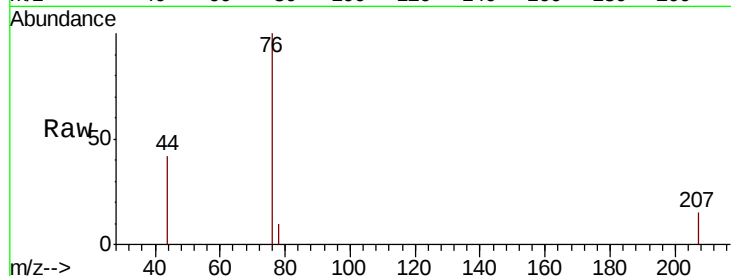
ClientSampleId :

Tot Ion: 76 Resp: 5328

Ion Ratio Lower Upper

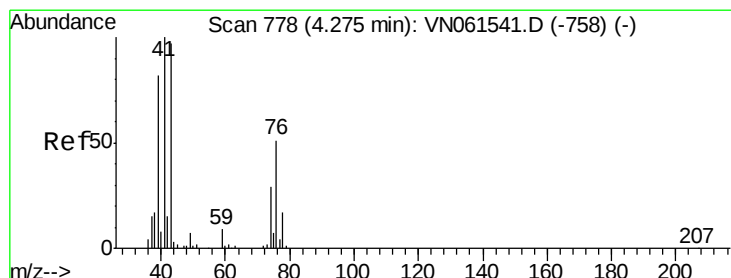
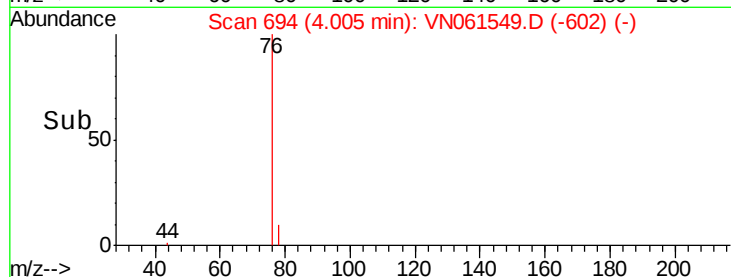
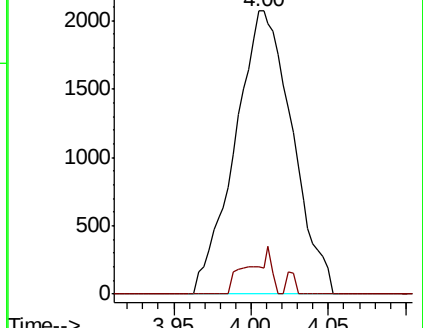
76 100

78 9.6 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VN061549.D (-602) (-)

Ion 77.90 (77.60 to 78.60): VN061549.D (-602) (-)



#18

Methyl Acetate

Concen: 0.647 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061549.D

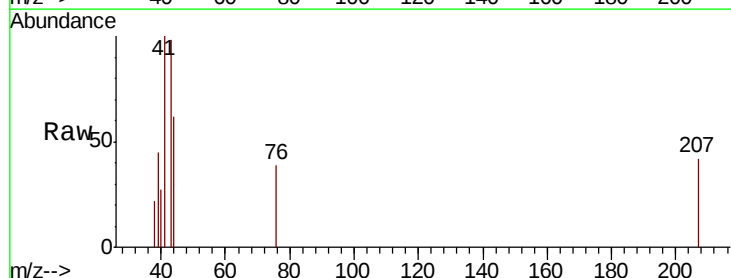
Acq: 28 May 2020 23:13

Tgt Ion: 43 Resp: 2116

Ion Ratio Lower Upper

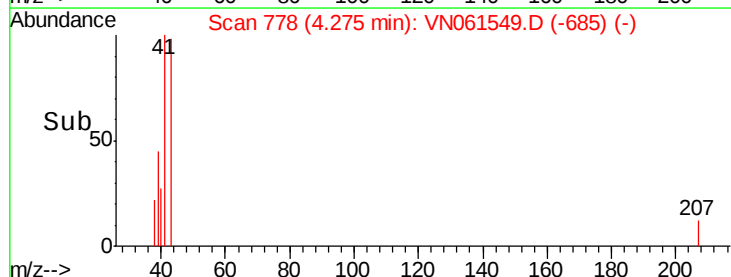
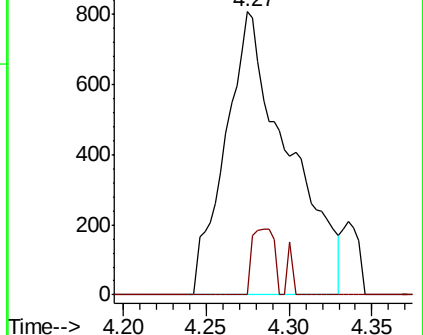
43 100

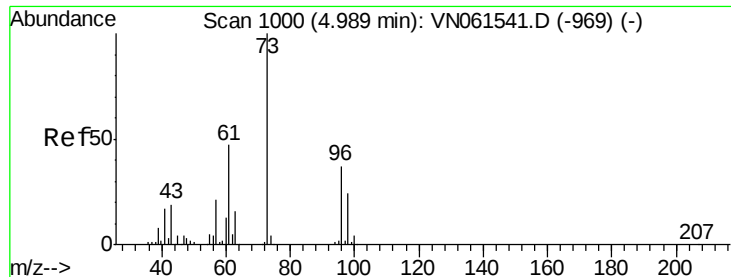
74 8.1 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VN061549.D (-685) (-)

Ion 74.00 (73.70 to 74.70): VN061549.D (-685) (-)

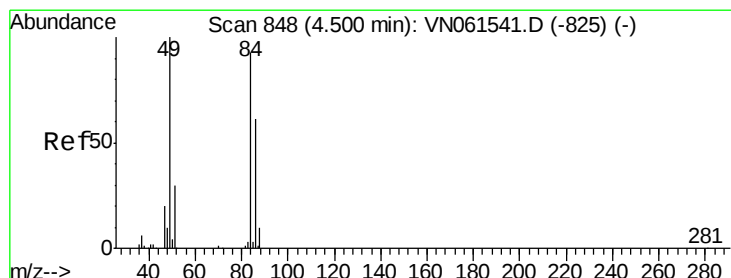
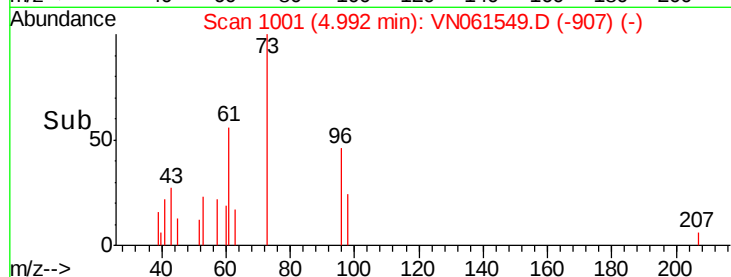
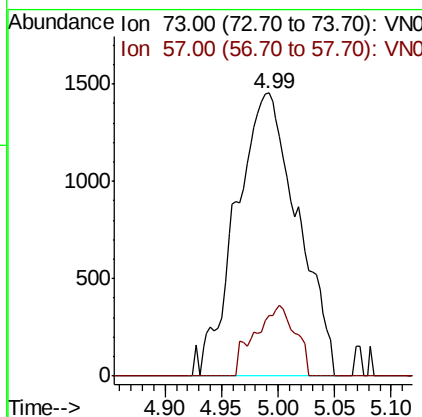
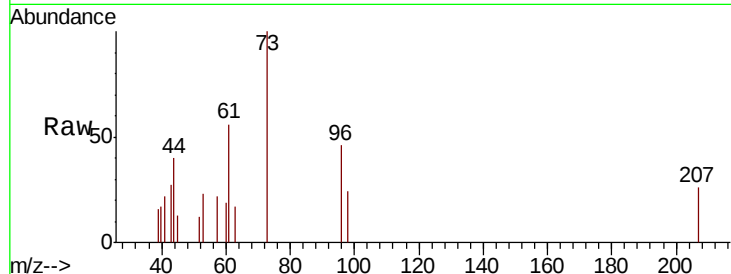




#19
Methvl tert-butvl Ether
Concen: 0.522 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

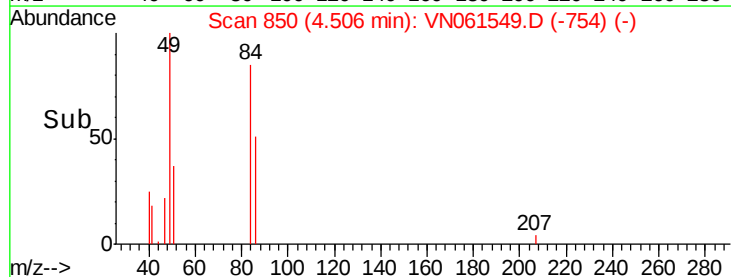
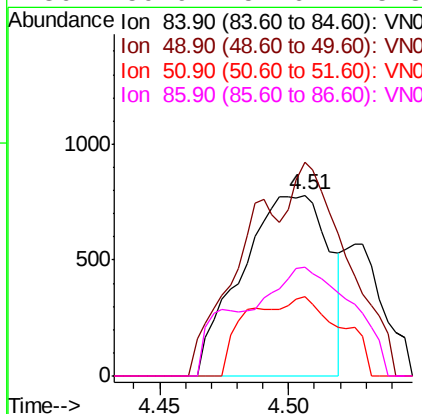
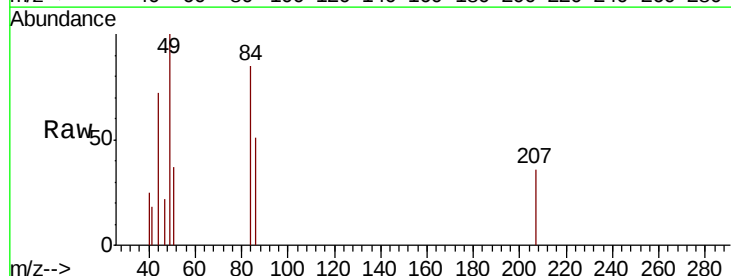
Instrument :
MSVOA_N
ClientSampleId :

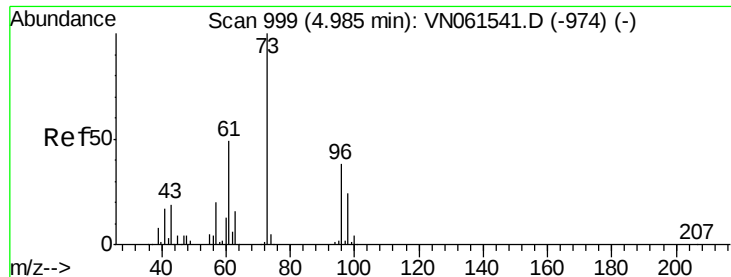
Tot Ion: 73 Resp: 5508
Ion Ratio Lower Upper
73 100
57 21.5 16.4 24.6



#20
Methylene Chloride
Concen: 0.415 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Tgt Ion: 84 Resp: 1836
Ion Ratio Lower Upper
84 100
49 117.9 85.8 128.8
51 43.8 26.2 39.2#
86 59.9 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 0.446 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

Instrument :

MSVOA_N

ClientSampled :

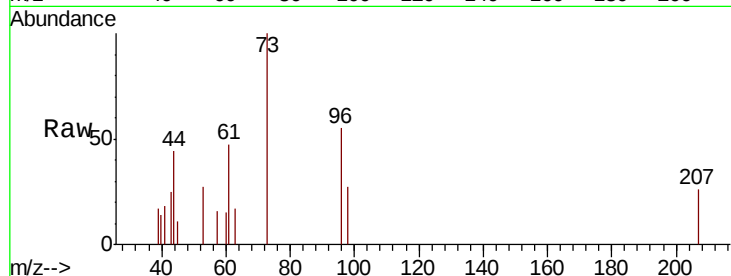
Tot Ion: 96 Resp: 1559

Ion Ratio Lower Upper

96 100

61 85.7 101.4 152.0#

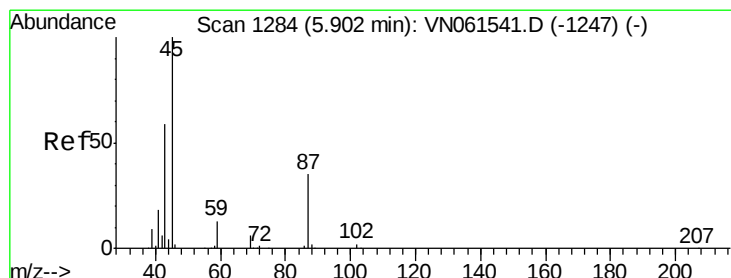
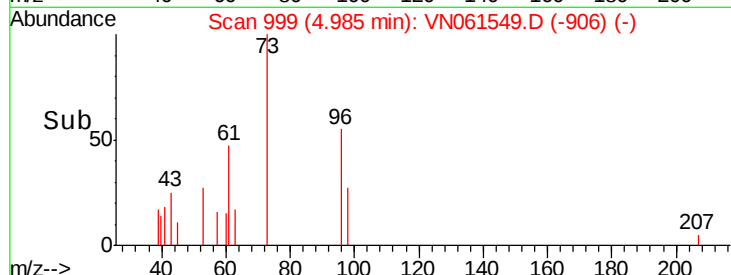
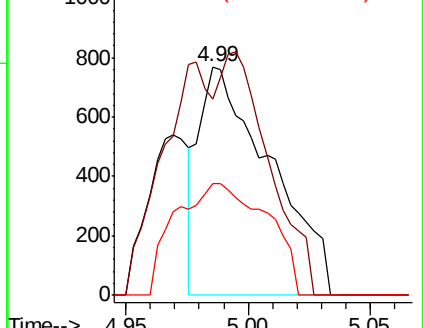
98 48.7 50.6 76.0#



Abundance Ion 95.90 (95.60 to 96.60): VN061549.D (-906) (-)

Ion 60.90 (60.60 to 61.60): VN061549.D (-906) (-)

Ion 97.90 (97.60 to 98.60): VN061549.D (-906) (-)



#22

Diisopropyl ether

Concen: 0.521 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

Tgt Ion: 45 Resp: 4655

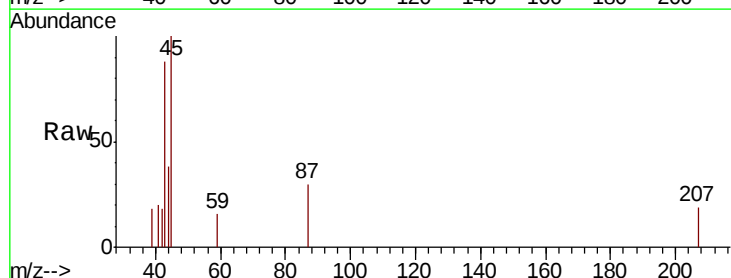
Ion Ratio Lower Upper

45 100

43 68.7 47.9 71.9

87 29.7 28.4 42.6

59 16.1 10.5 15.7#

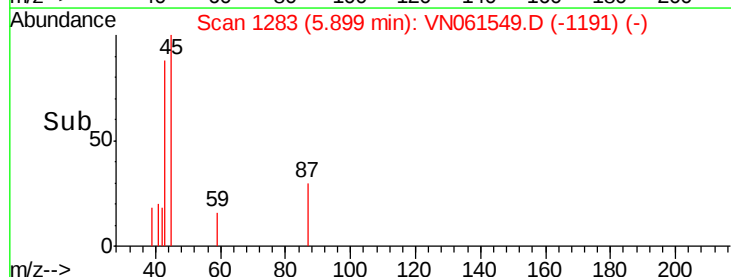
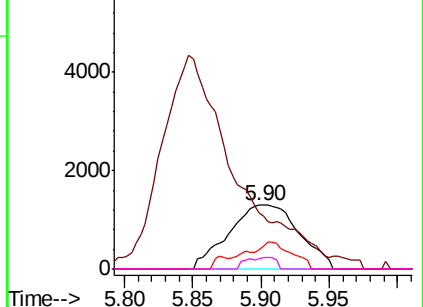


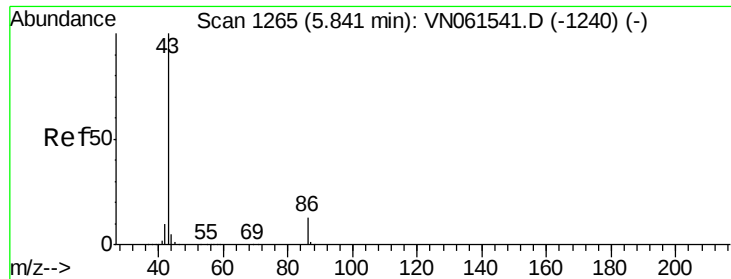
Abundance Ion 45.00 (44.70 to 45.70): VN061549.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN061549.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN061549.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN061549.D (-1191) (-)





#23

Vinyl Acetate

Concen: 2.298 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

Instrument :

MSVOA_N

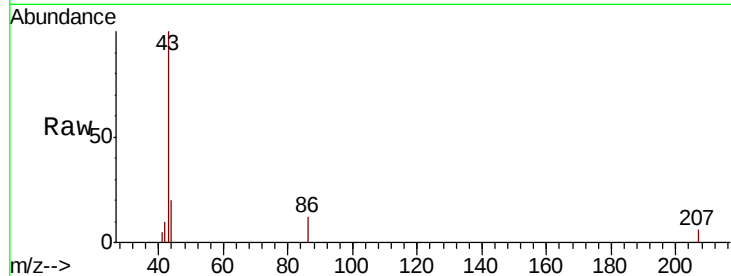
ClientSampleId :

Tot Ion: 43 Resp: 16347

Ion Ratio Lower Upper

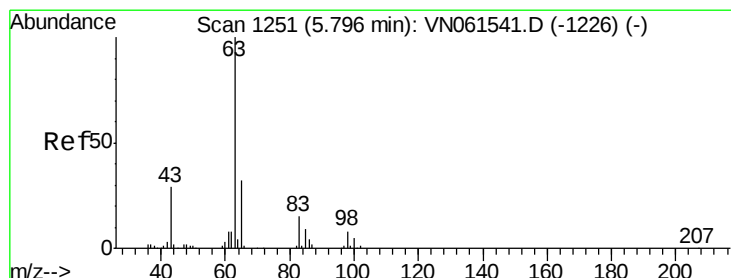
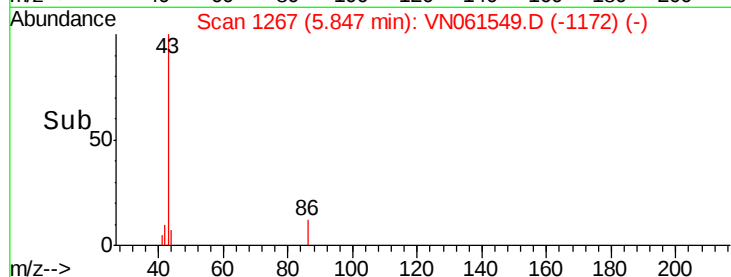
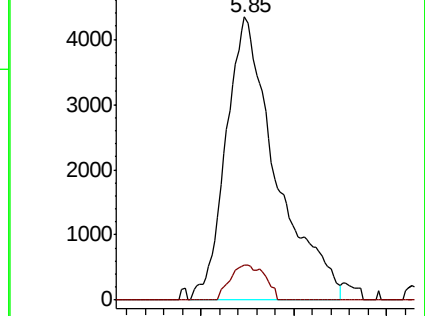
43 100

86 12.4 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-1240) (-)

Ion 86.00 (85.70 to 86.70): VN061541.D (-1240) (-)



#24

1,1-Dichloroethane

Concen: 0.227 ug/l

RT: 5.79 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

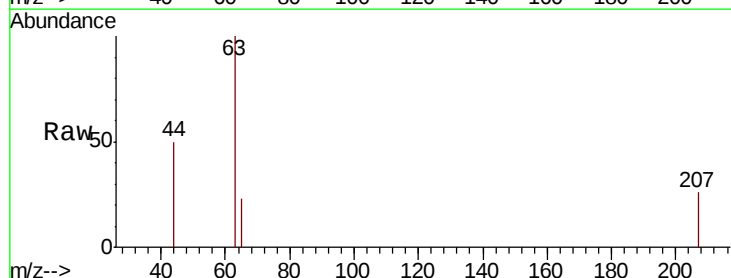
Tgt Ion: 63 Resp: 1286

Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.4#

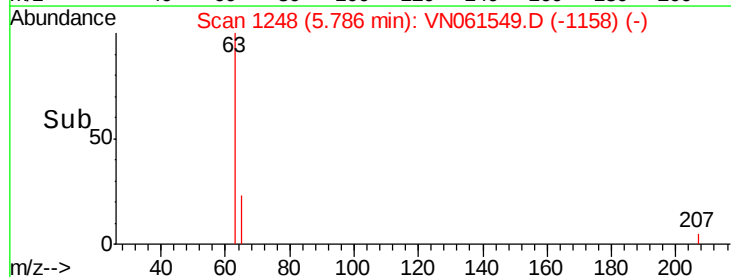
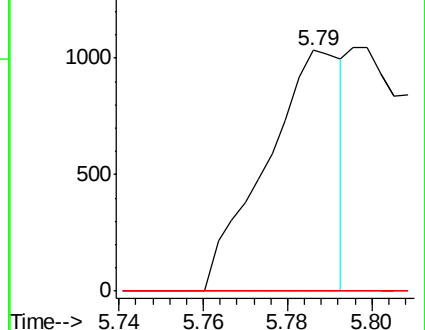
100 0.0 2.5 7.6#

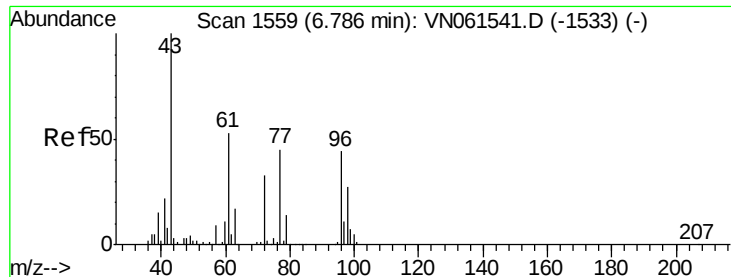


Abundance Ion 62.90 (62.60 to 63.60): VN061541.D (-1226) (-)

Ion 97.90 (97.60 to 98.60): VN061541.D (-1226) (-)

Ion 99.90 (99.60 to 100.60): VN061541.D (-1226) (-)

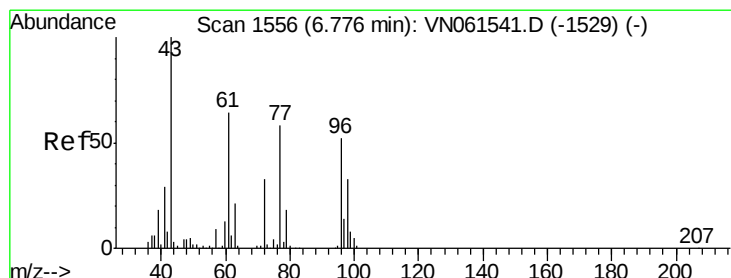
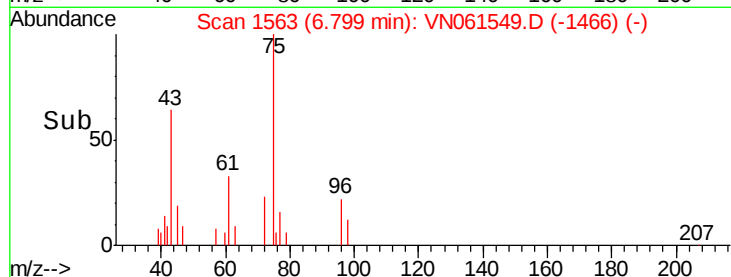
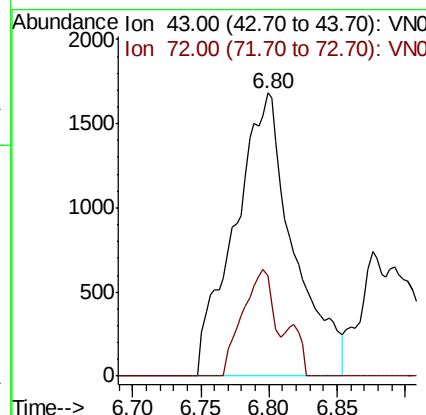
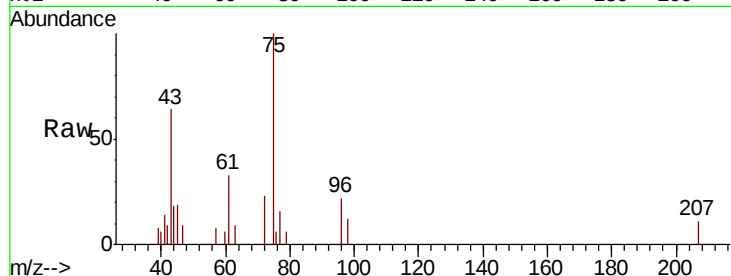




#25
2-Butanone
Concen: 2.948 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

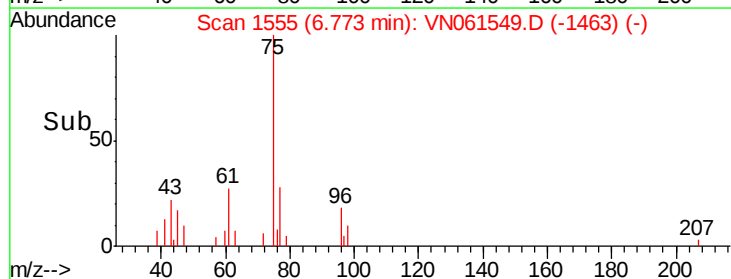
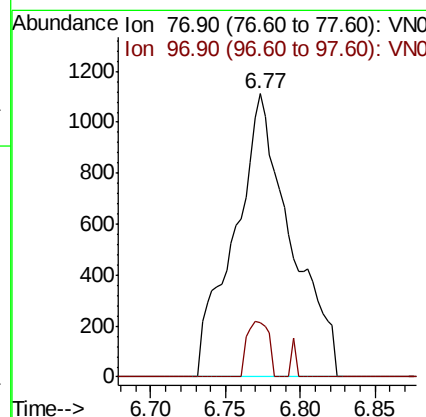
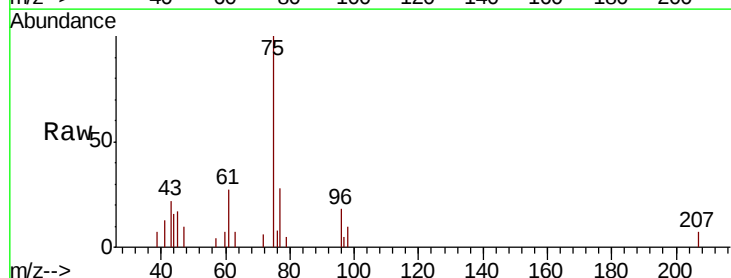
Instrument :
MSVOA_N
ClientSampled :

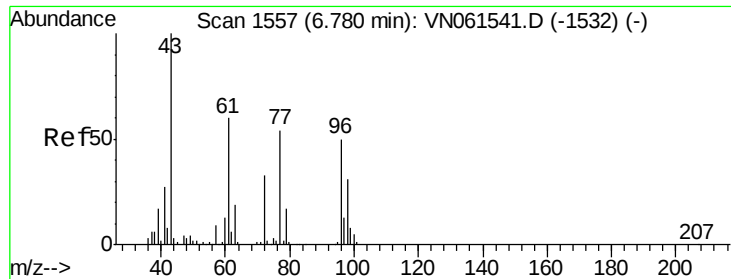
Tot Ion: 43 Resp: 5047
Ion Ratio Lower Upper
43 100
72 35.3 26.0 39.0



#26
2,2-Dichloropropane
Concen: 0.563 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Tgt Ion: 77 Resp: 2918
Ion Ratio Lower Upper
77 100
97 7.6 12.0 36.0#





#27

cis-1,2-Dichloroethene

Concen: 0.308 ug/l

RT: 6.79 min Scan# 1559

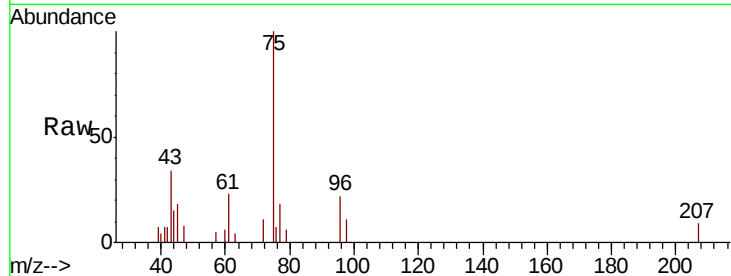
Delta R.T. 0.01 min

Lab File: VN061549.D

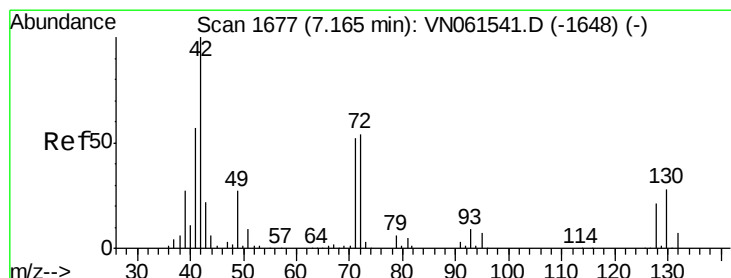
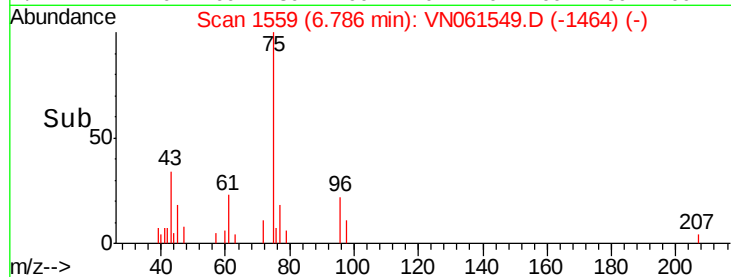
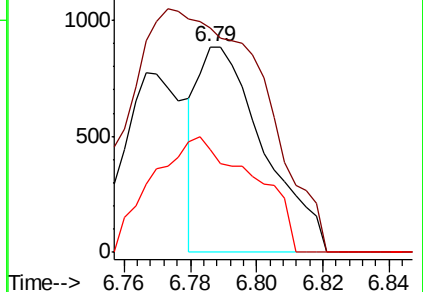
Acq: 28 May 2020 23:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	96	Resp:	1217
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	252.2
98	86.7	0.0	129.2



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



#29

Tetrahydrofuran

Concen: 2.603 ug/l

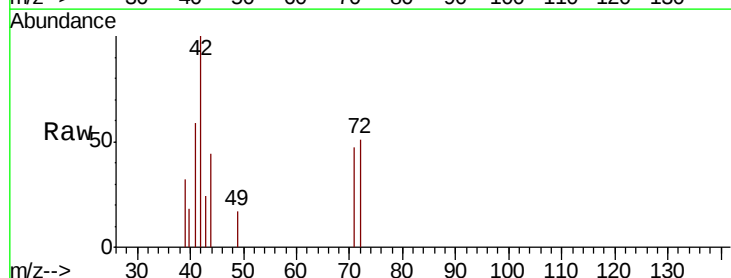
RT: 7.17 min Scan# 1680

Delta R.T. 0.01 min

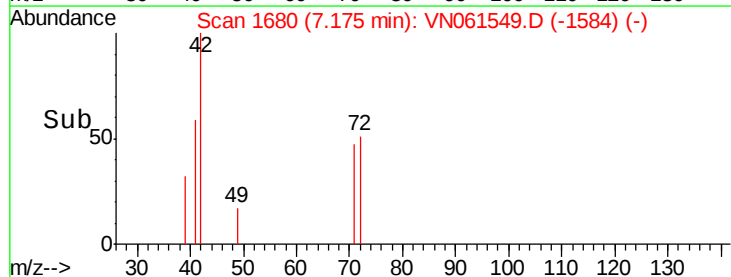
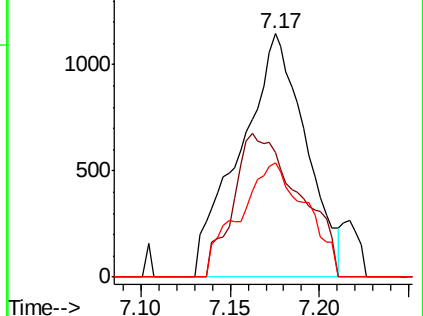
Lab File: VN061549.D

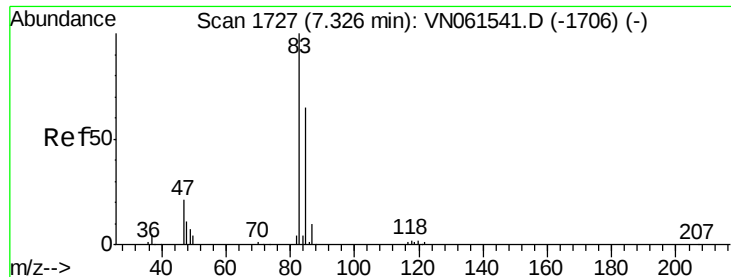
Acq: 28 May 2020 23:13

Tgt Ion:	42	Resp:	2939
Ion	Ratio	Lower	Upper
42	100		
72	59.4	43.6	65.4
71	47.7	41.2	61.8



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

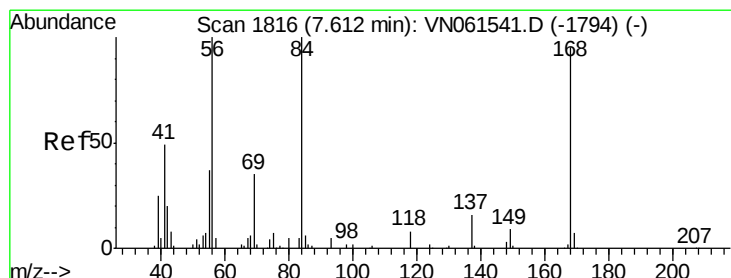
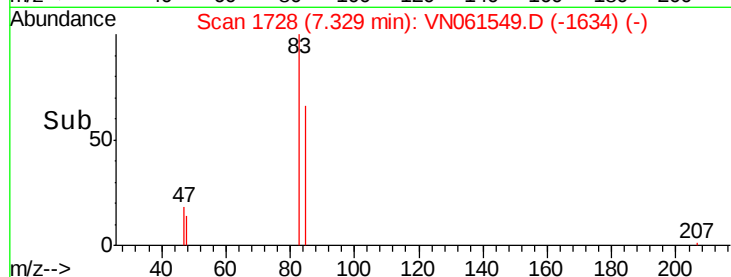
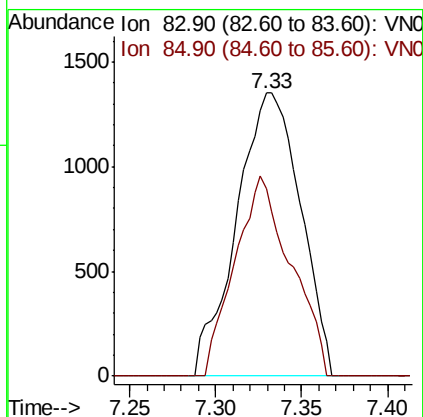
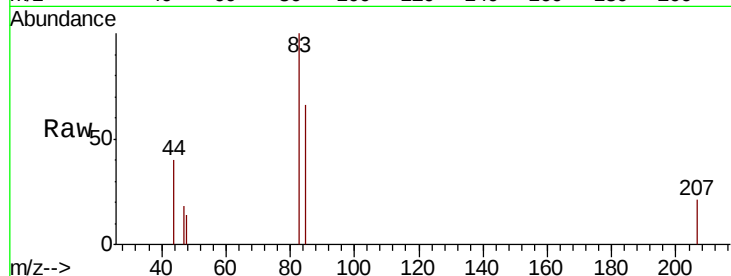




#30
Chloroform
Concen: 0.558 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

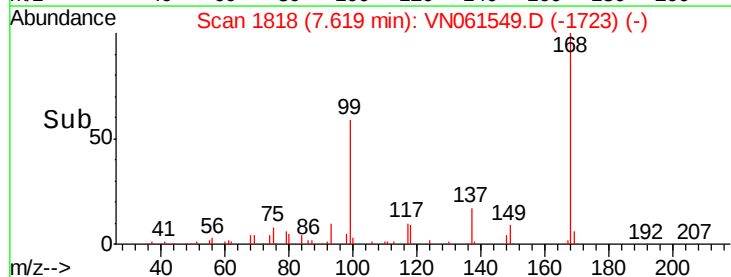
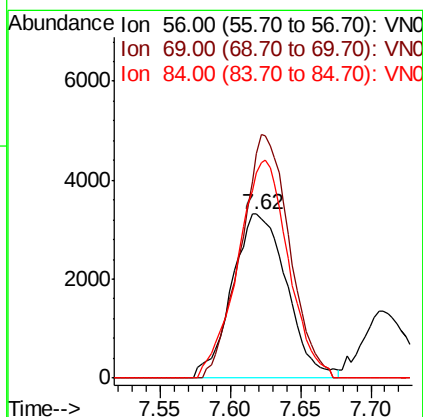
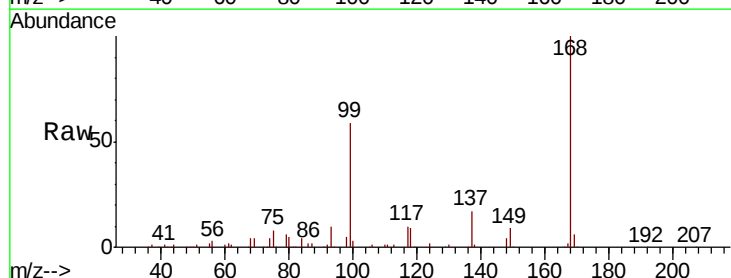
Instrument :
MSVOA_N
ClientSampled :

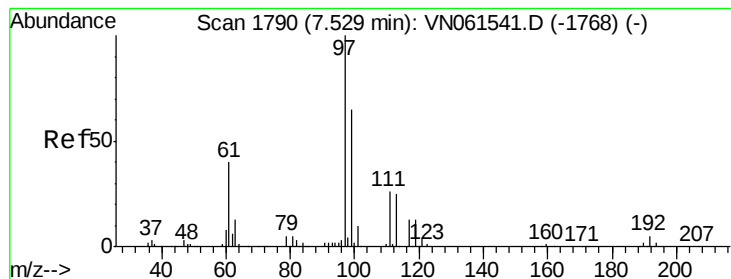
Tot Ion: 83 Resp: 3496
Ion Ratio Lower Upper
83 100
85 66.1 51.7 77.5



#31
Cyclohexane
Concen: 1.766 ug/l
RT: 7.62 min Scan# 1818
Delta R.T. 0.01 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Tgt Ion: 56 Resp: 8992
Ion Ratio Lower Upper
56 100
69 137.0 27.8 41.8#
84 125.1 79.9 119.9#





#32

1,1,1-Trichloroethane

Concen: 0.540 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

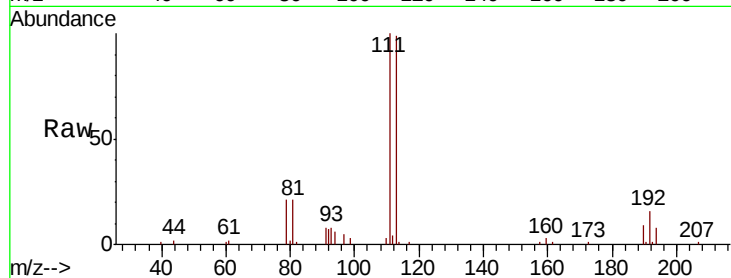
Tot Ion: 97 Resp: 3080

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

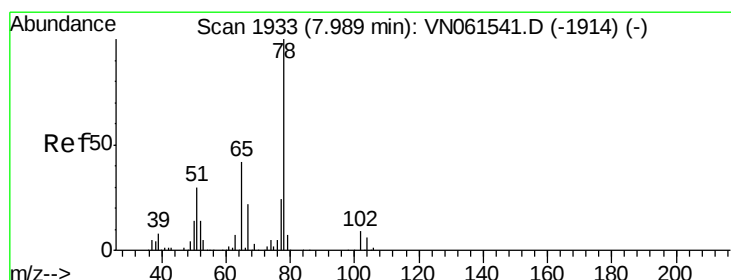
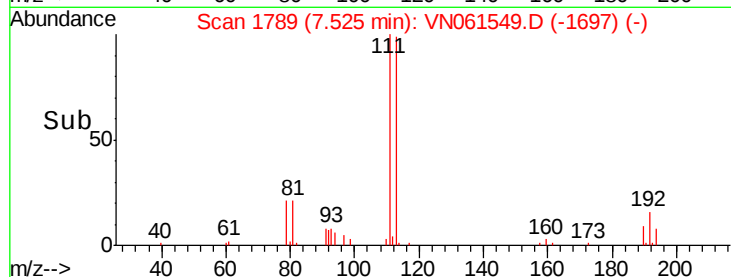
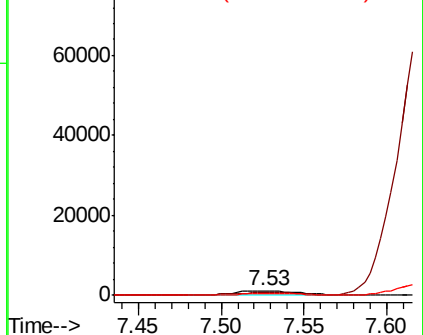
61 39.8 31.4 47.0



Abundance Ion 96.90 (96.60 to 97.60): VN061549.D (-1768) (-)

Ion 98.90 (98.60 to 99.60): VN061549.D (-1768) (-)

Ion 60.90 (60.60 to 61.60): VN061549.D (-1768) (-)



#33

1,2-Dichloroethane-d4

Concen: 55.999 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061549.D

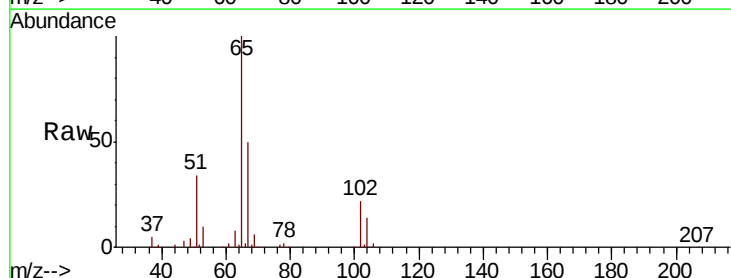
Acq: 28 May 2020 23:13

Tgt Ion: 65 Resp: 202289

Ion Ratio Lower Upper

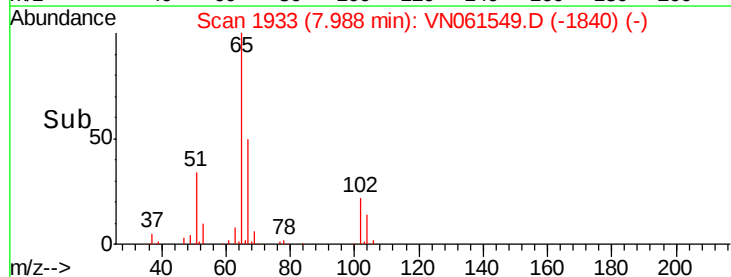
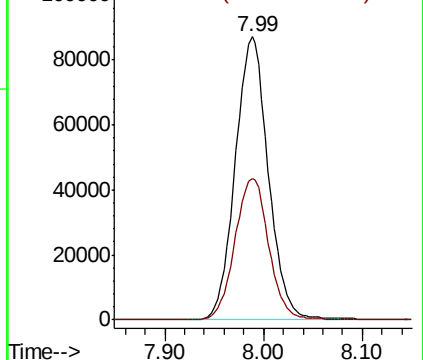
65 100

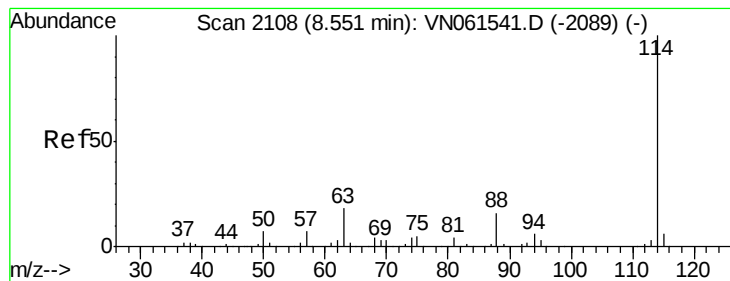
67 51.2 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN061549.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN061549.D (-1840) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

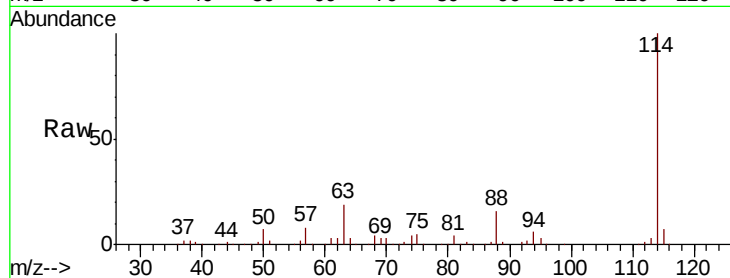
Tot Ion:114 Resp: 539107

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.8

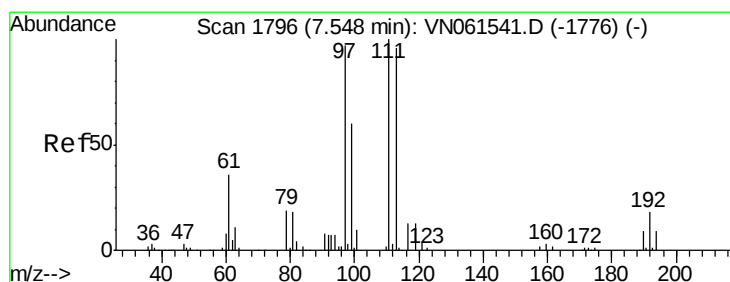
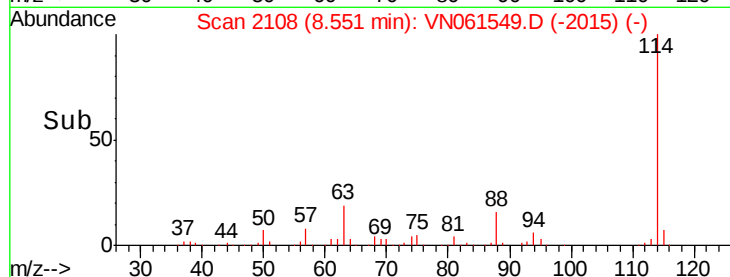
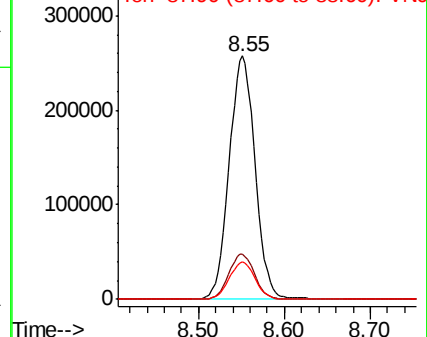
88 15.5 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 56.613 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

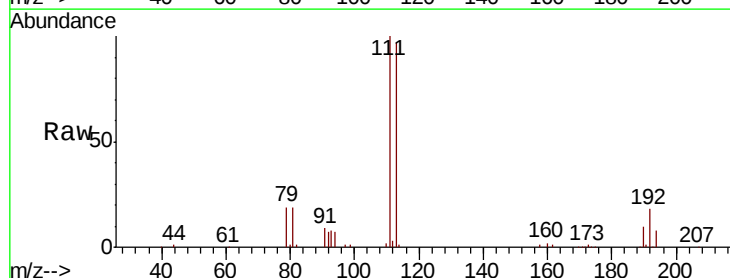
Tgt Ion:113 Resp: 154825

Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.0

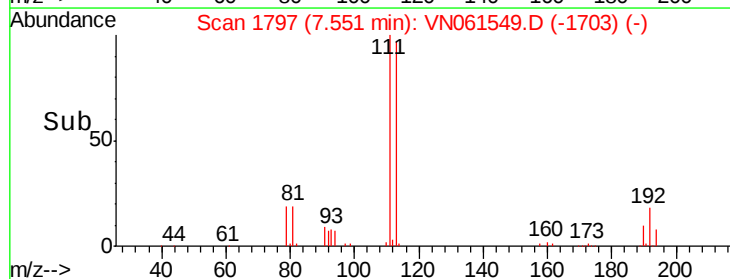
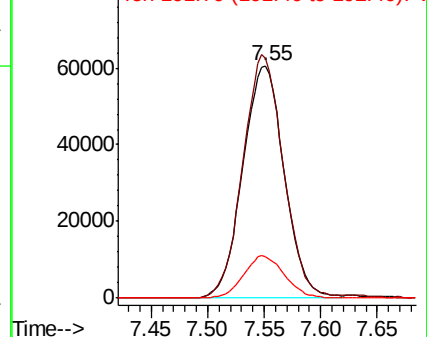
192 17.9 15.4 23.2

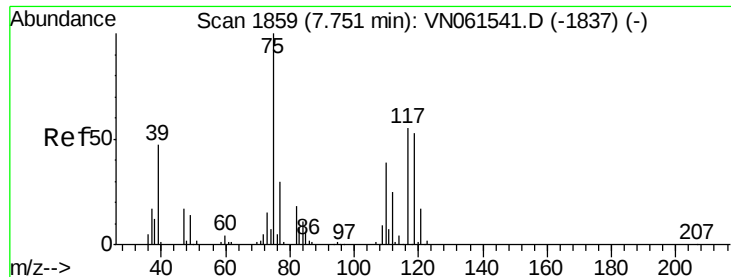


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

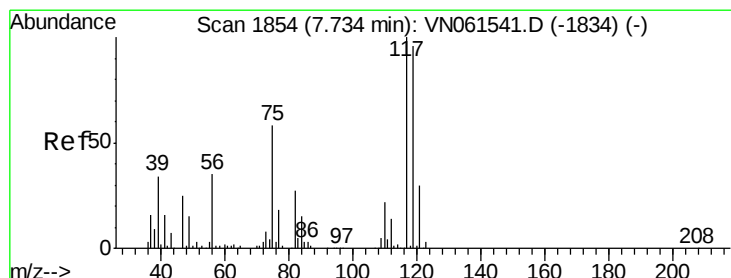
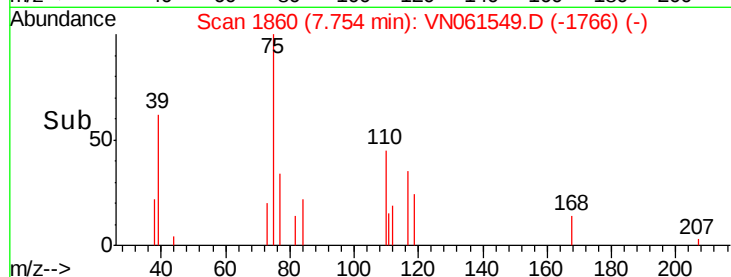
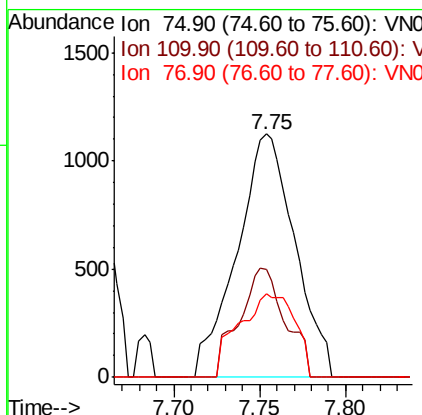
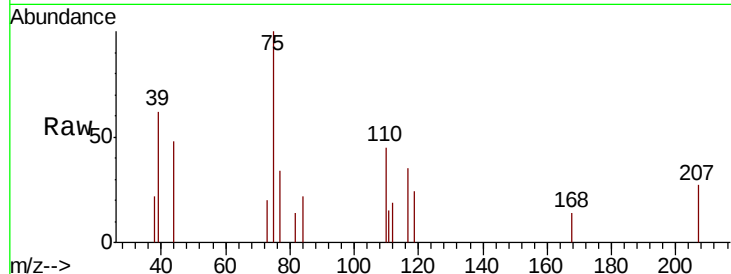




#36
 1,1-Dichloropropene
 Concen: 0.552 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061549.D
 Acq: 28 May 2020 23:13

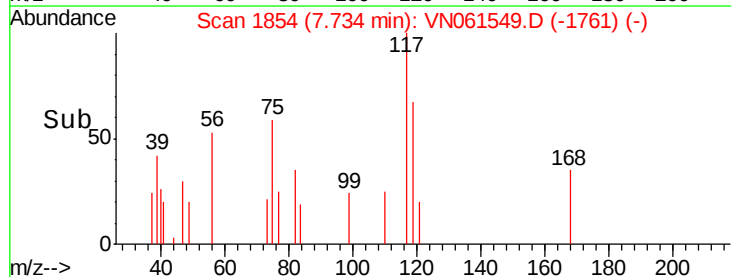
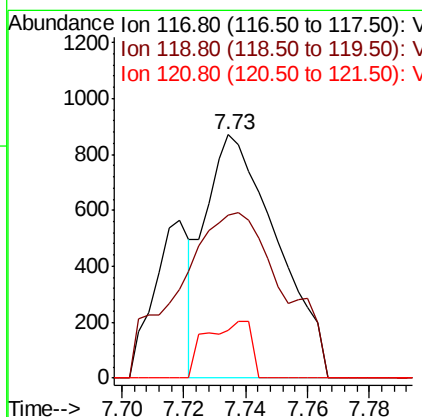
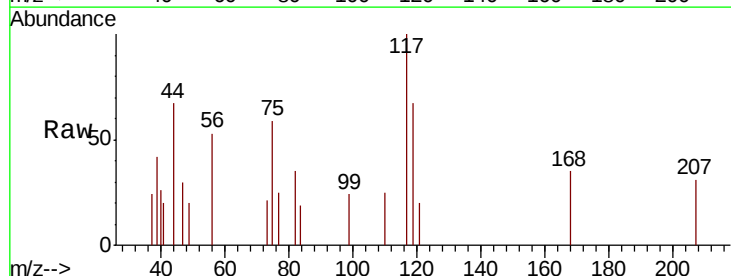
Instrument :
 MSVOA_N
 ClientSampled :

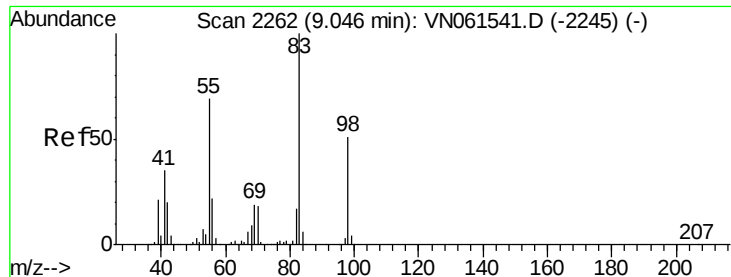
Tot Ion	75	Resp	2636
Ion Ratio	Lower	Upper	
75	100		
110	35.7	19.5	58.5
77	33.0	24.7	37.1



#38
 Carbon Tetrachloride
 Concen: 0.304 ug/l
 RT: 7.73 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VN061549.D
 Acq: 28 May 2020 23:13

Tgt Ion	117	Resp	1399
Ion Ratio	Lower	Upper	
117	100		
119	66.9	76.5	114.7#
121	19.5	24.1	36.1#

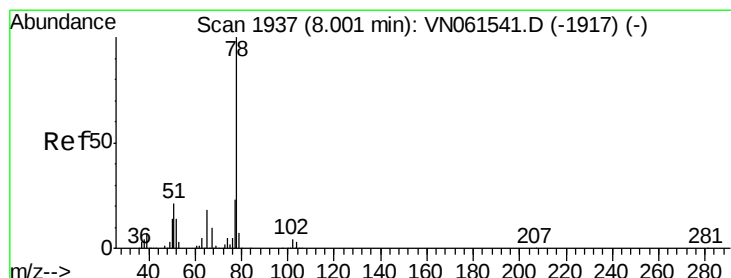
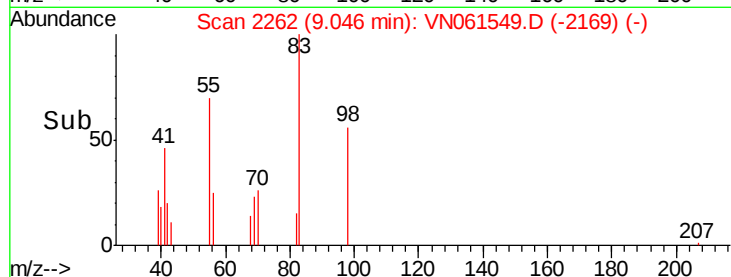
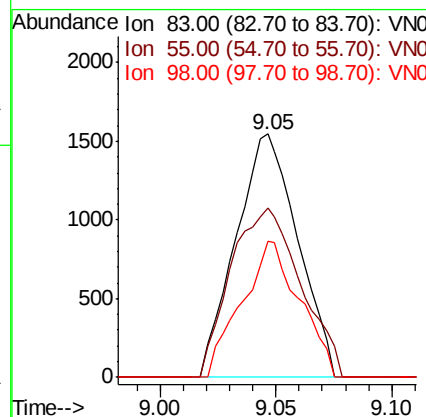
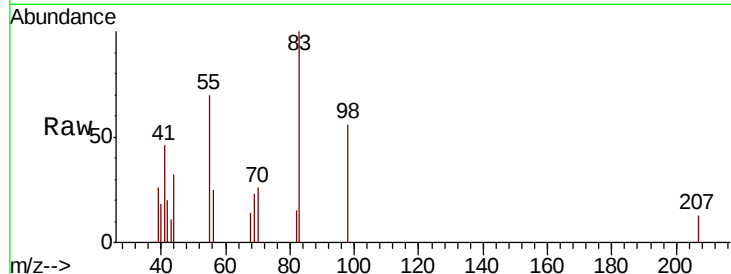




#39
Methvlcvclohexane
Concen: 0.486 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

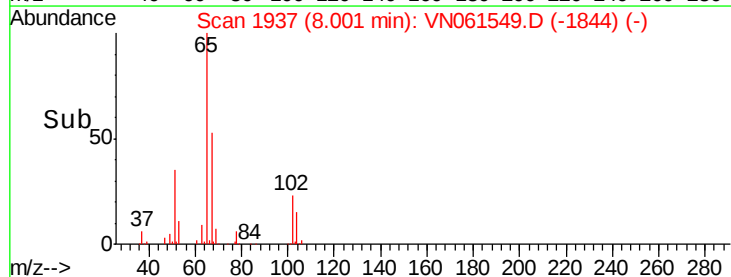
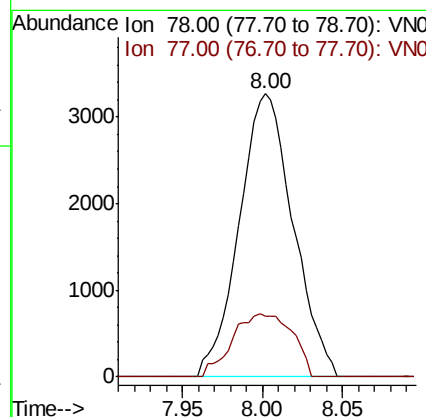
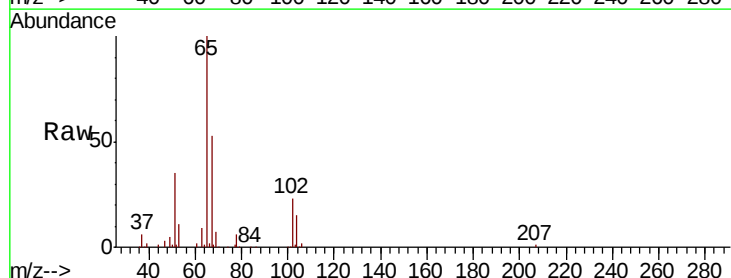
Instrument :
MSVOA_N
ClientSampled :

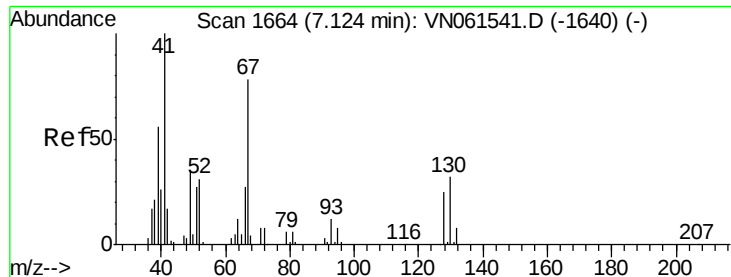
Tot Ion: 83 Resp: 2861
Ion Ratio Lower Upper
83 100
55 69.8 54.9 82.3
98 56.1 41.0 61.4



#40
Benzene
Concen: 0.512 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Tgt Ion: 78 Resp: 7536
Ion Ratio Lower Upper
78 100
77 21.4 18.6 28.0

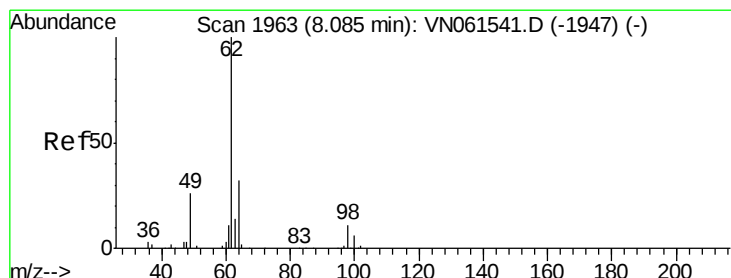
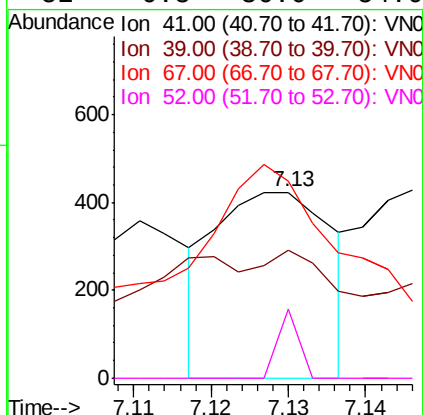
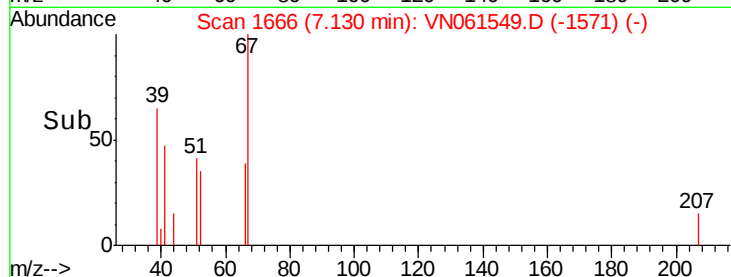
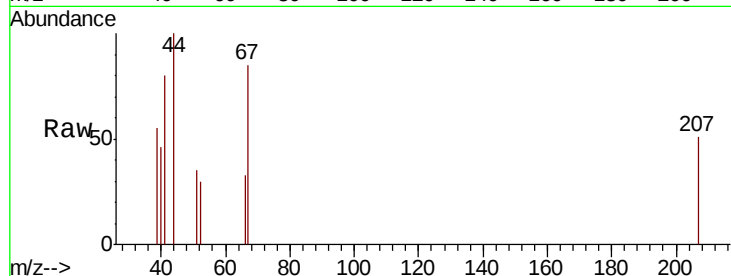




#41
Methacrylonitrile
Concen: 0.250 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

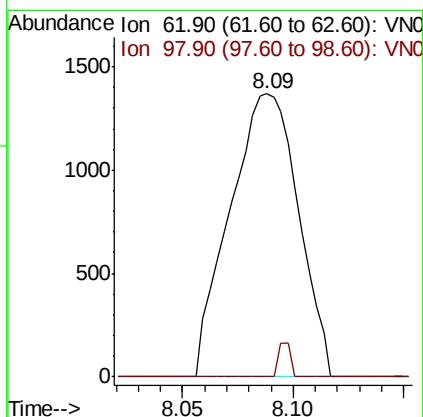
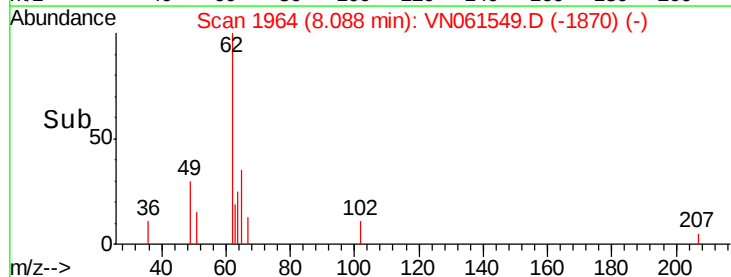
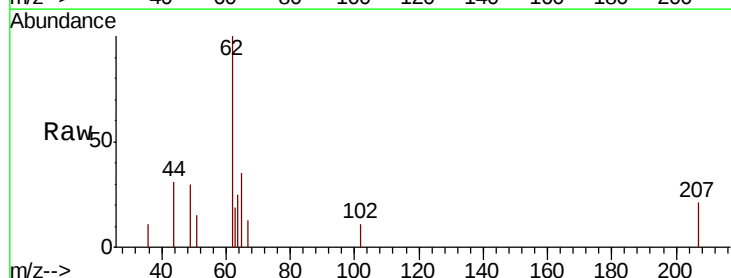
Instrument :
MSVOA_N
ClientSampled :

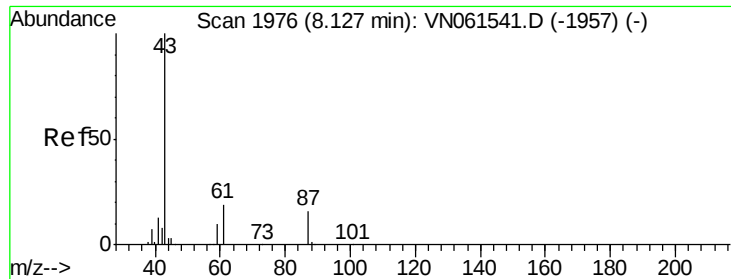
Tot Ion: 41 Resp: 441
Ion Ratio Lower Upper
41 100
39 67.8 53.8 80.6
67 201.4 91.1 136.7#
52 6.8 36.0 54.0#



#42
1,2-Dichloroethane
Concen: 0.598 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Tgt Ion: 62 Resp: 2948
Ion Ratio Lower Upper
62 100
98 2.1 0.0 21.4





#43

Isopropyl Acetate

Concen: 0.510 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

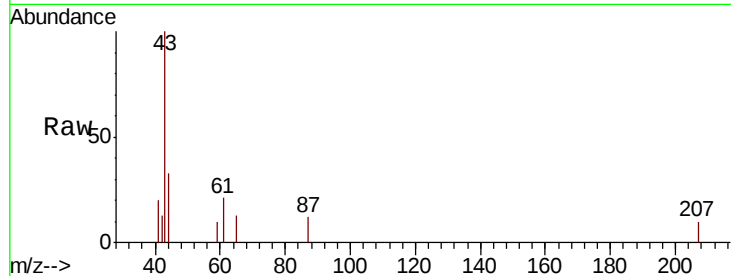
Tot Ion: 43 Resp: 3530

Ion Ratio Lower Upper

43 100

61 22.5 23.6 35.4#

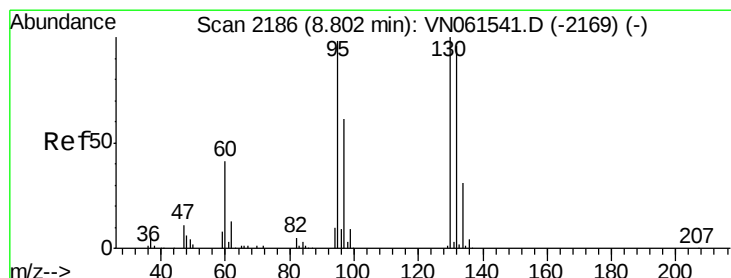
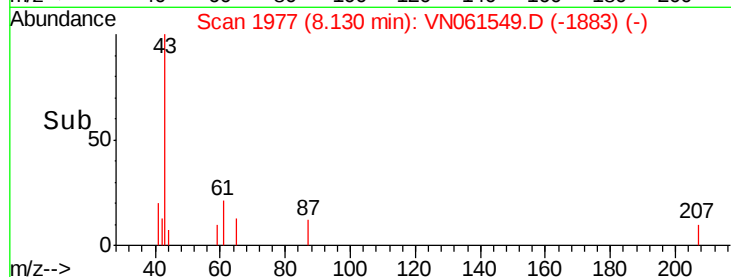
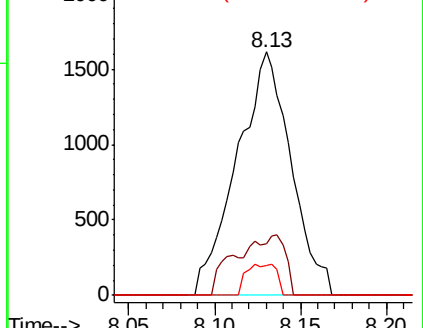
87 7.1 13.0 19.6#



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN061541.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN061541.D (-1957) (-)



#44

Trichloroethene

Concen: 0.551 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061549.D

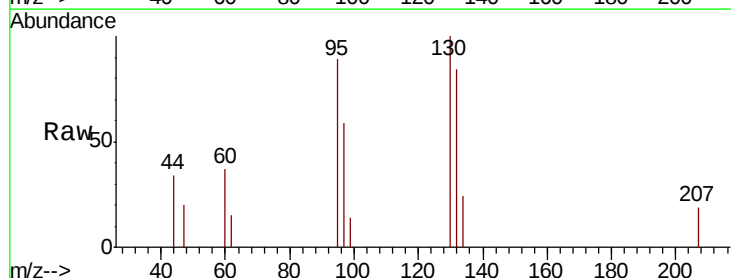
Acq: 28 May 2020 23:13

Tgt Ion:130 Resp: 2494

Ion Ratio Lower Upper

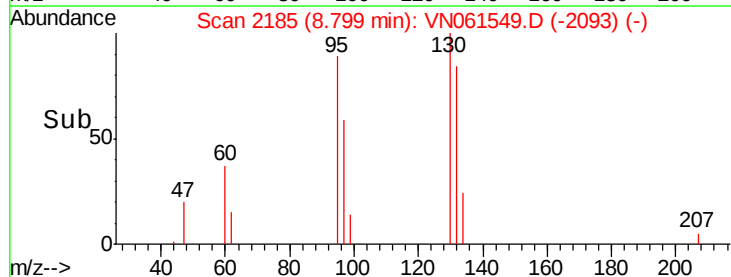
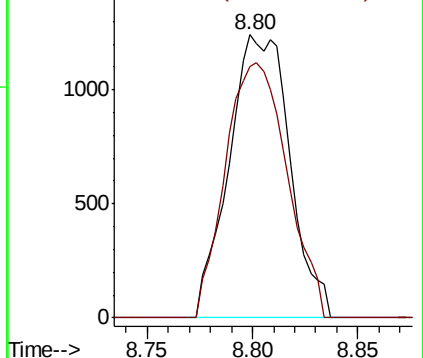
130 100

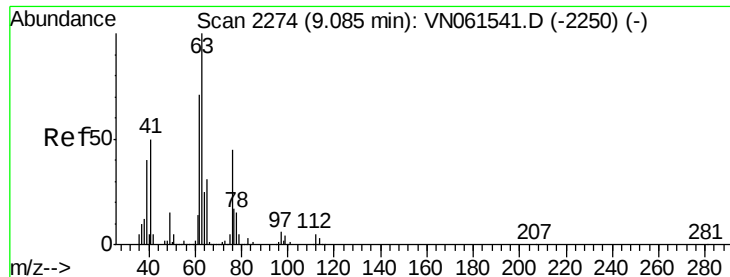
95 88.6 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): VN061541.D (-2169) (-)

Ion 94.90 (94.60 to 95.60): VN061541.D (-2169) (-)





#45

1,2-Dichloropropane

Concen: 0.531 ug/l

RT: 9.09 min Scan# 2276

Delta R.T. 0.01 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

Instrument :

MSVOA_N

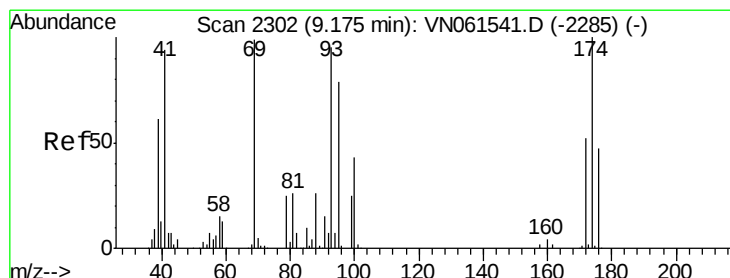
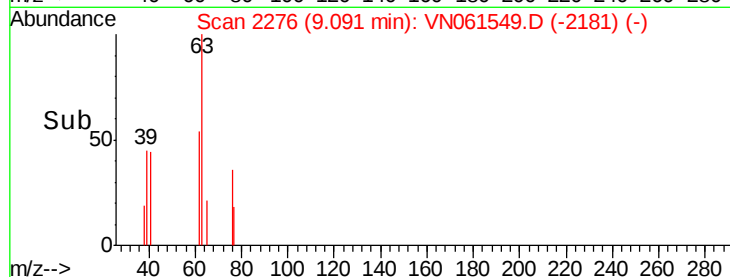
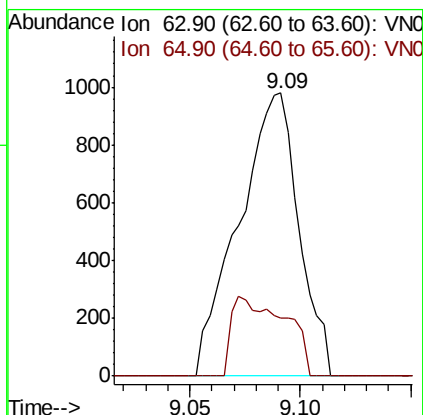
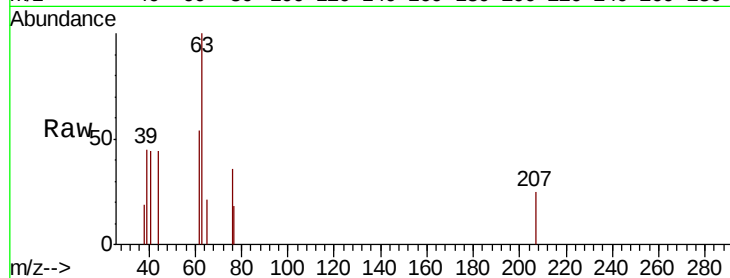
ClientSampled :

Tot Ion: 63 Resp: 1856

Ion Ratio Lower Upper

63 100

65 20.7 24.7 37.1#



#46

Dibromomethane

Concen: 0.487 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

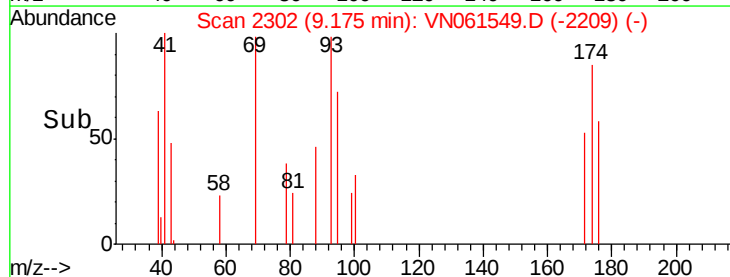
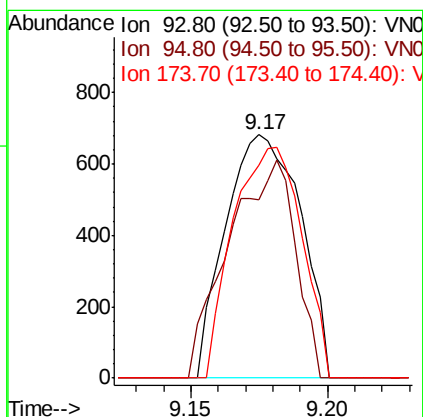
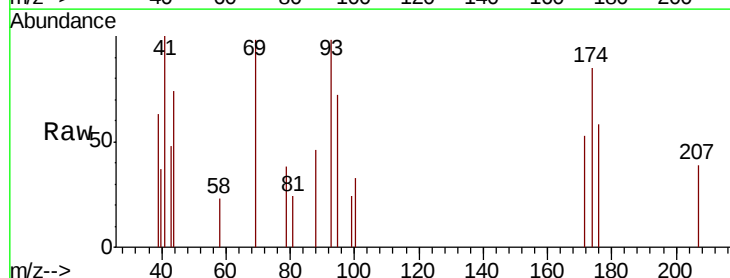
Tgt Ion: 93 Resp: 1305

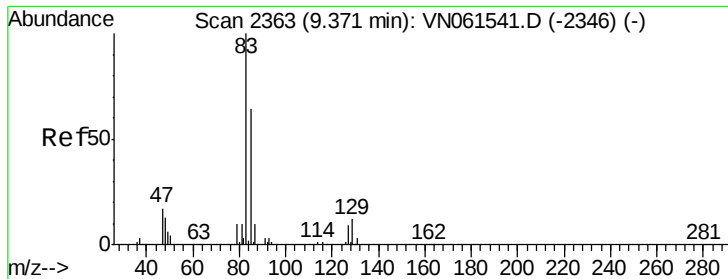
Ion Ratio Lower Upper

93 100

95 79.8 66.0 99.0

174 86.8 82.5 123.7





#47

Bromodichloromethane

Concen: 0.460 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

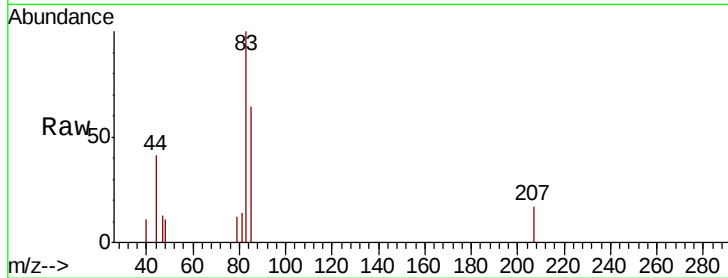
Tot Ion: 83 Resp: 2445

Ion Ratio Lower Upper

83 100

85 63.8 51.1 76.7

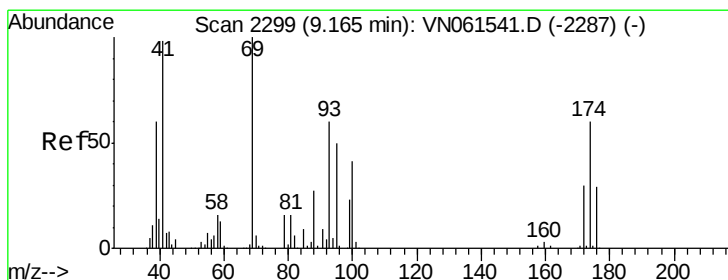
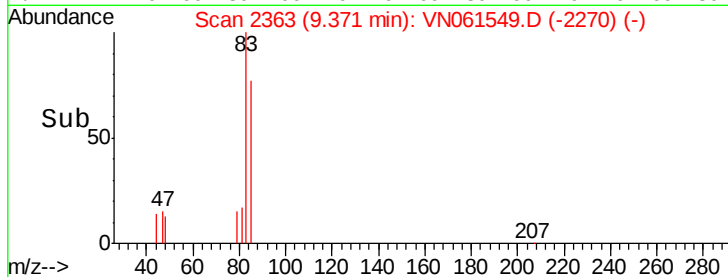
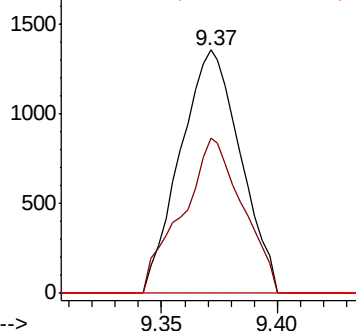
127 0.0 7.2 10.8#



Abundance Ion 82.90 (82.60 to 83.60): VN061549.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061549.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061549.D (-2270) (-)



#48

Methyl methacrylate

Concen: 0.560 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

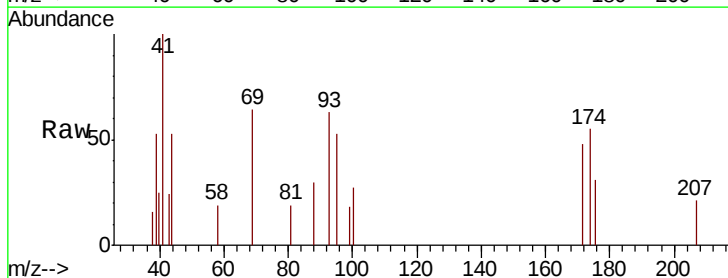
Tgt Ion: 41 Resp: 1741

Ion Ratio Lower Upper

41 100

69 80.0 83.9 125.9#

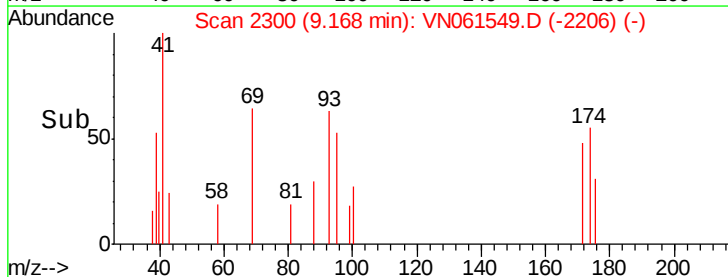
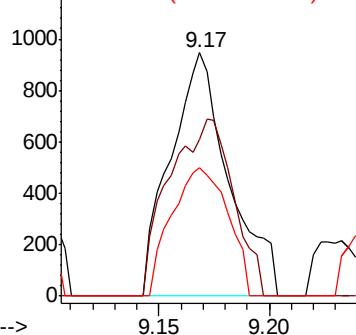
39 50.8 52.1 78.1#

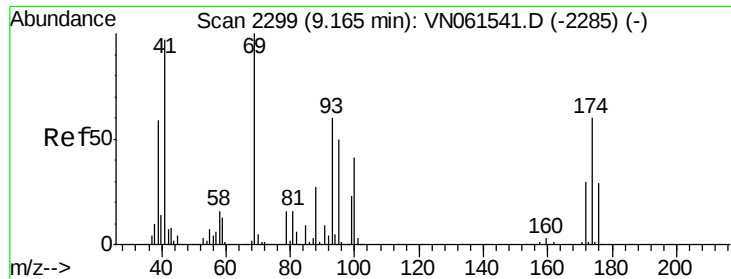


Abundance Ion 41.00 (40.70 to 41.70): VN061549.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061549.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061549.D (-2206) (-)

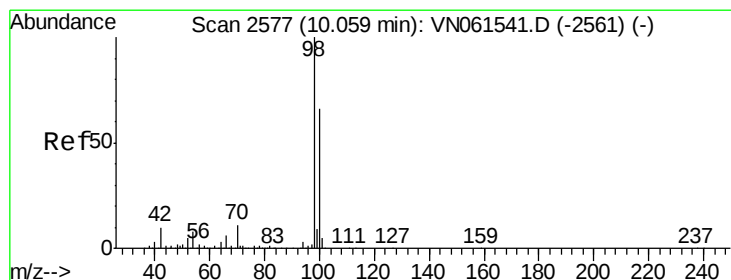
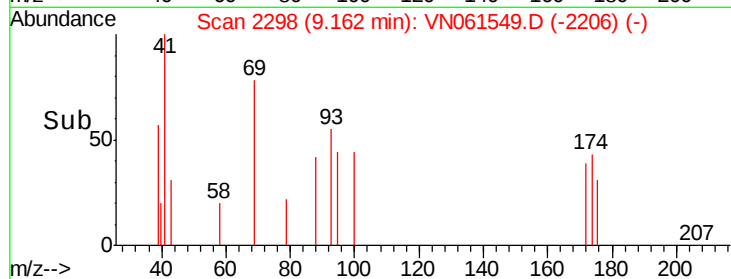
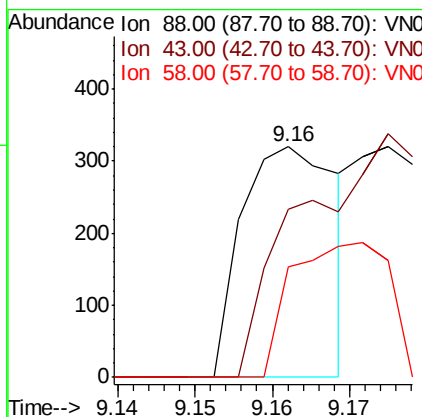
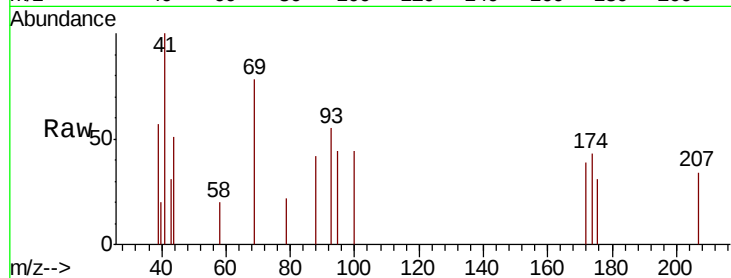




#49
 1,4-Dioxane
 Concen: 5.664 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061549.D
 Acq: 28 May 2020 23:13

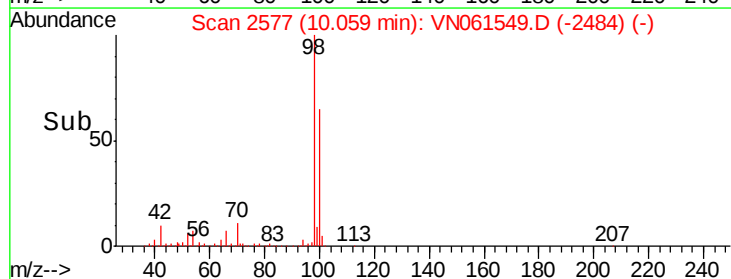
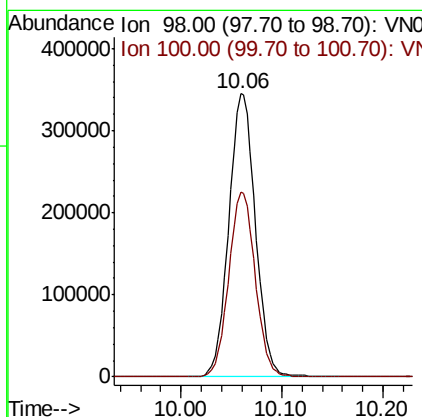
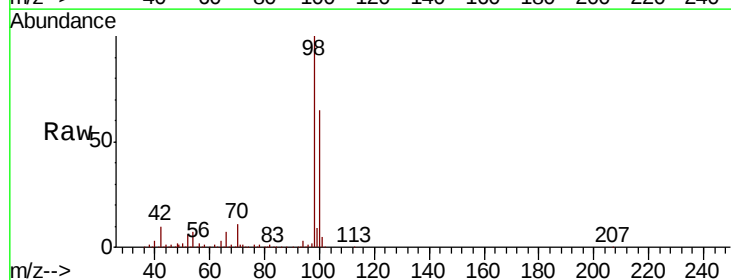
Instrument :
 MSVOA_N
 ClientSampled :

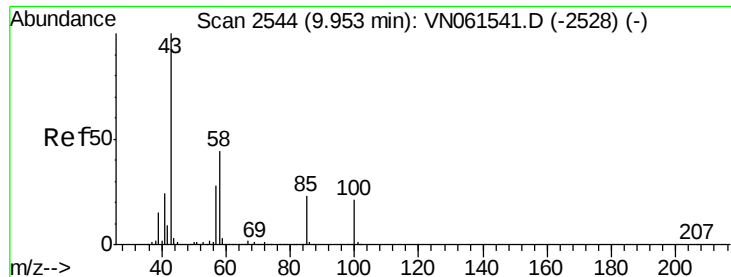
Tot Ion: 88 Resp: 273
 Ion Ratio Lower Upper
 88 100
 43 175.5 23.1 34.7#
 58 60.1 48.3 72.5



#50
 Toluene-d8
 Concen: 50.187 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN061549.D
 Acq: 28 May 2020 23:13

Tgt Ion: 98 Resp: 636044
 Ion Ratio Lower Upper
 98 100
 100 64.9 52.8 79.2

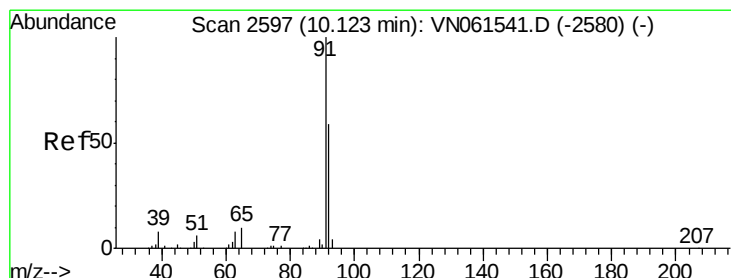
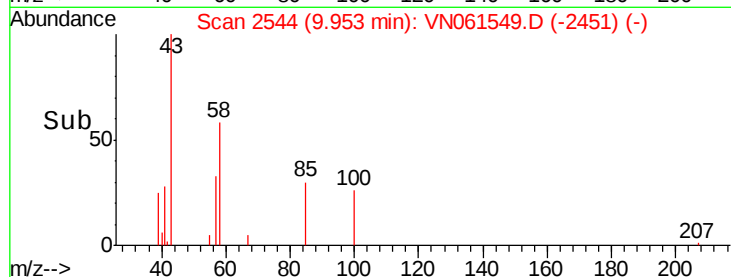
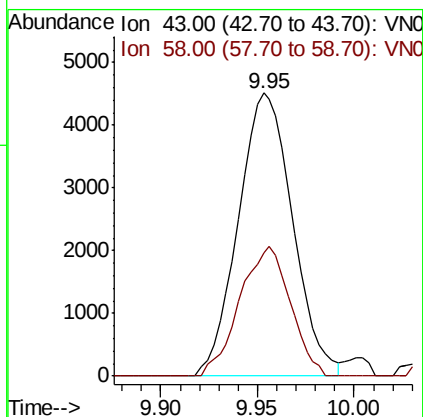
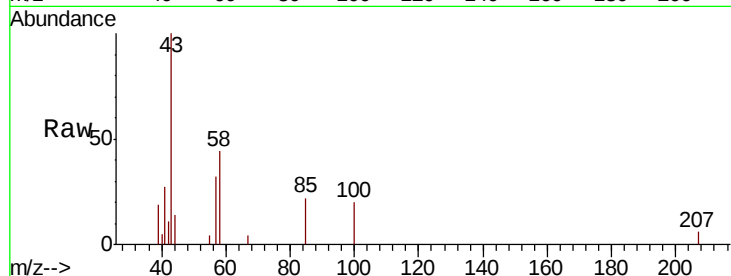




#51
4-Methyl-2-Pentanone
Concen: 2.263 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

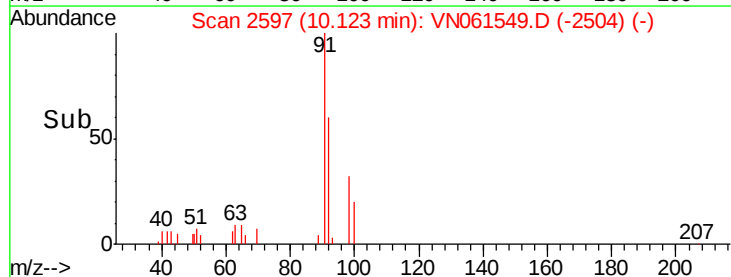
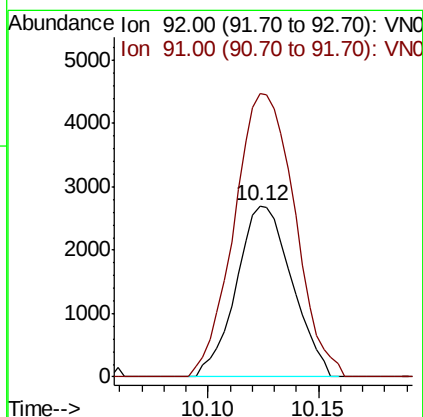
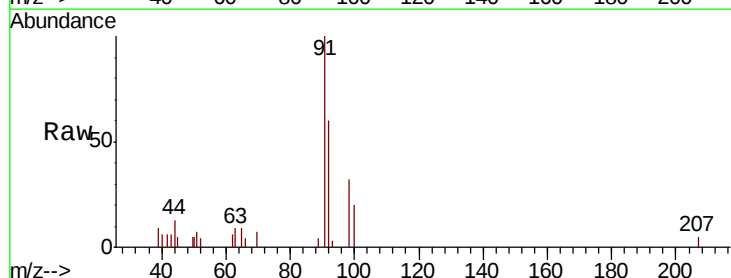
Instrument :
MSVOA_N
ClientSampleId :

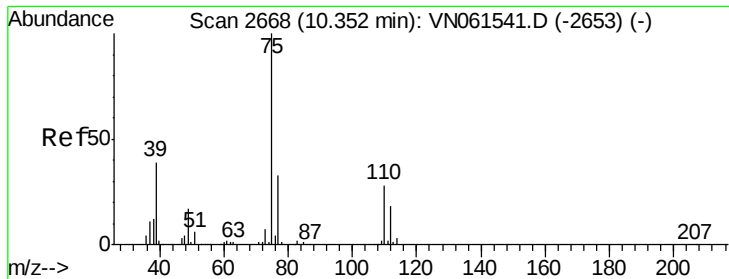
Tot Ion: 43 Resp: 8820
Ion Ratio Lower Upper
43 100
58 42.6 35.0 52.6



#52
Toluene
Concen: 0.490 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Tgt Ion: 92 Resp: 4712
Ion Ratio Lower Upper
92 100
91 180.0 136.4 204.6

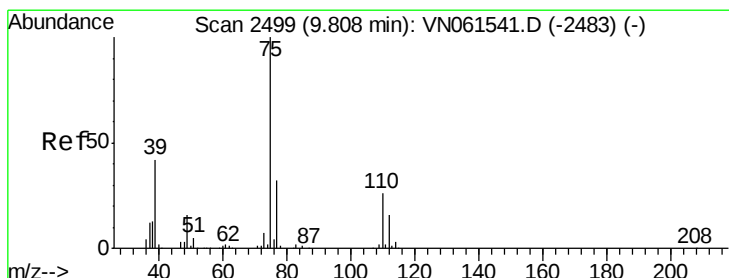
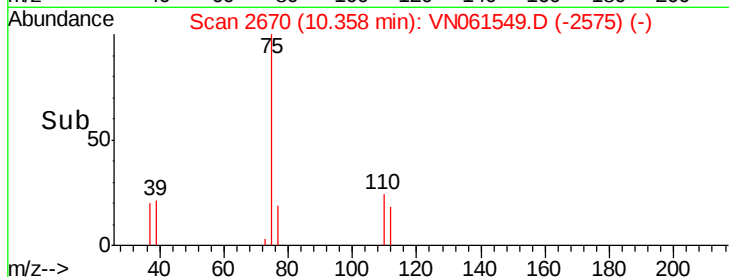
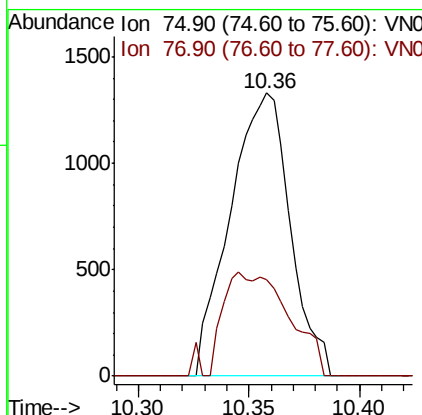
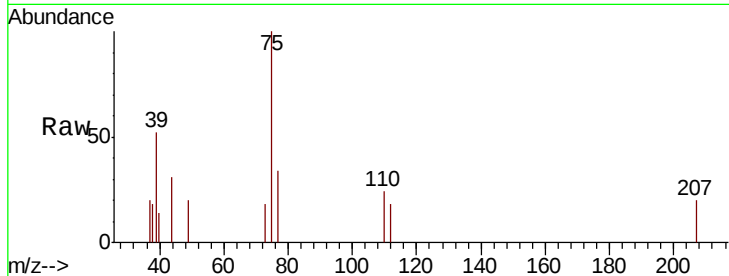




#53
t-1,3-Dichloropropene
Concen: 0.439 ug/l
RT: 10.36 min Scan# 2670
Delta R.T. 0.01 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

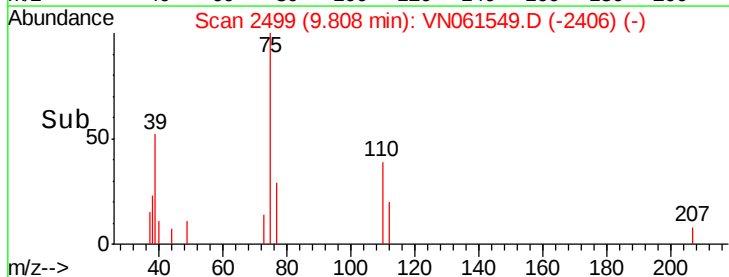
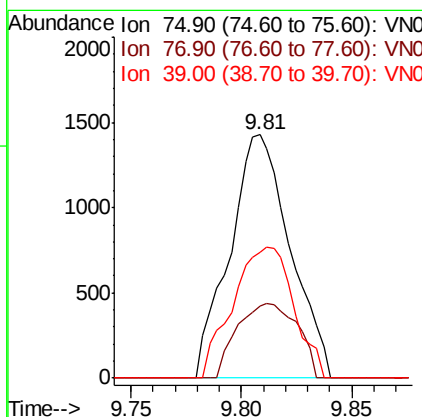
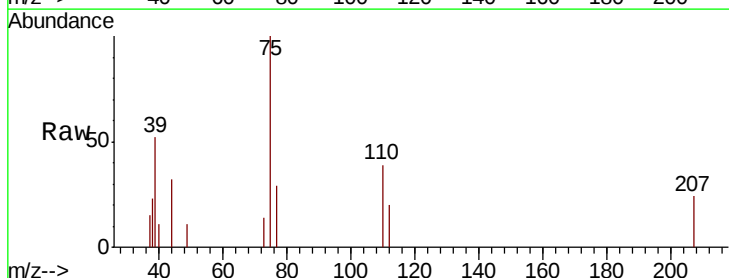
Instrument :
MSVOA_N
ClientSampled :

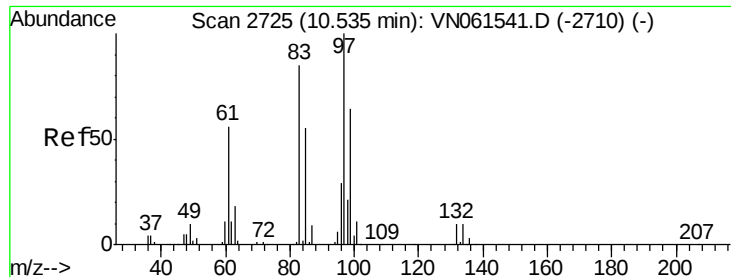
Tot Ion: 75 Resp: 2511
Ion Ratio Lower Upper
75 100
77 34.1 26.2 39.4



#54
cis-1,3-Dichloropropene
Concen: 0.441 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Tgt Ion: 75 Resp: 2714
Ion Ratio Lower Upper
75 100
77 29.4 25.4 38.2
39 51.7 33.8 50.6#

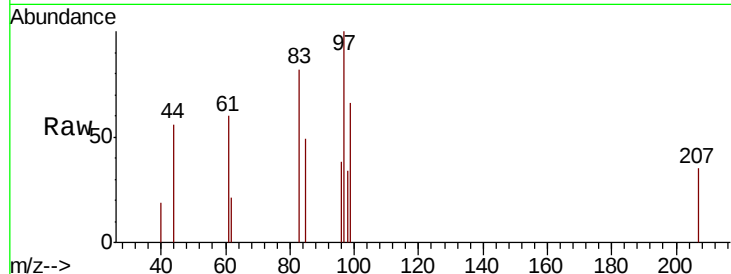




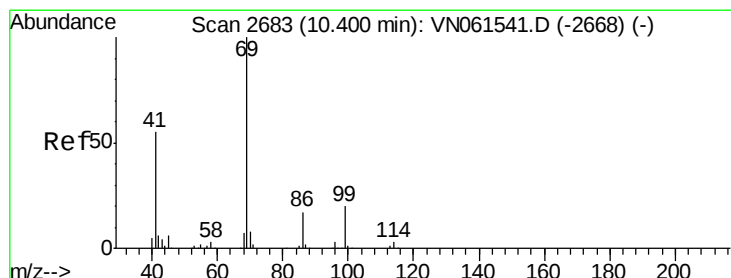
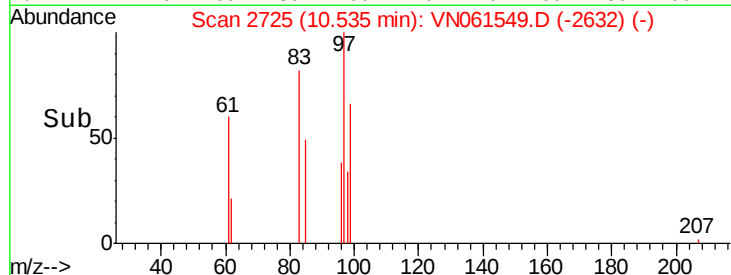
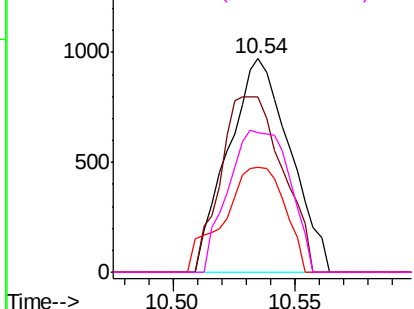
#55
 1,1,2-Trichloroethane
 Concen: 0.447 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN061549.D
 Acq: 28 May 2020 23:13

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	1711
Ion	Ratio	Lower	Upper
97	100		
83	82.1	68.1	102.1
85	49.0	44.1	66.1
99	65.5	51.1	76.7

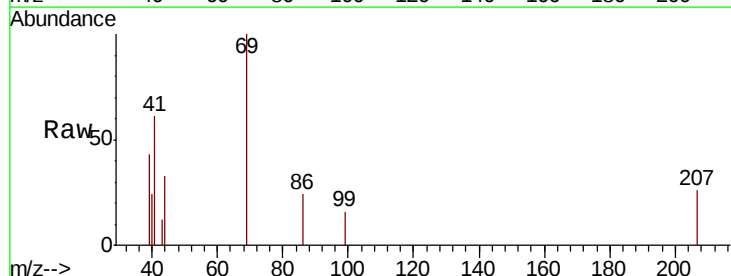


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

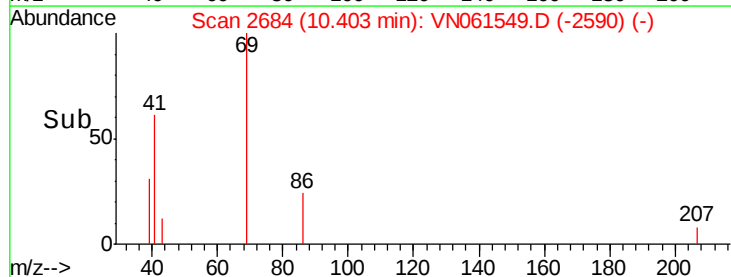
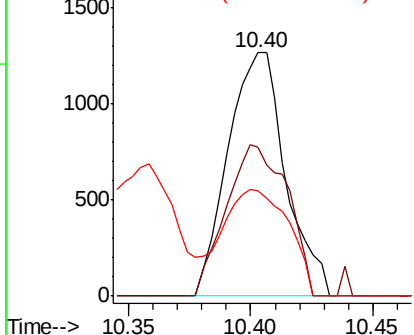


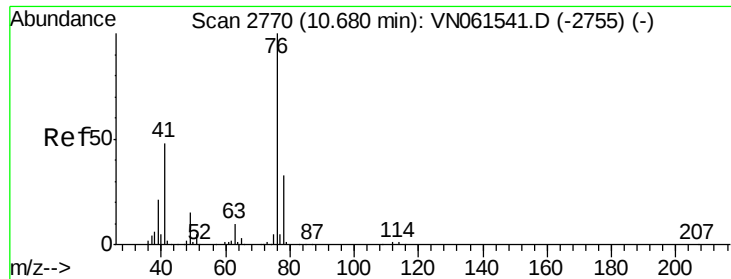
#56
 Ethyl methacrylate
 Concen: 0.388 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN061549.D
 Acq: 28 May 2020 23:13

Tgt Ion:	69	Resp:	2075
Ion	Ratio	Lower	Upper
69	100		
41	66.5	43.5	65.3#
39	49.6	27.0	40.6#



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: 0.452 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

Instrument :

MSVOA_N

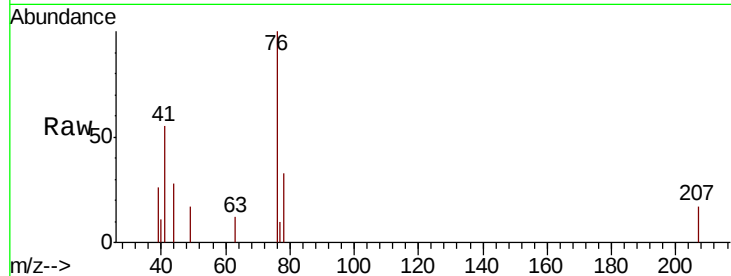
ClientSampleId :

Tot Ion: 76 Resp: 2766

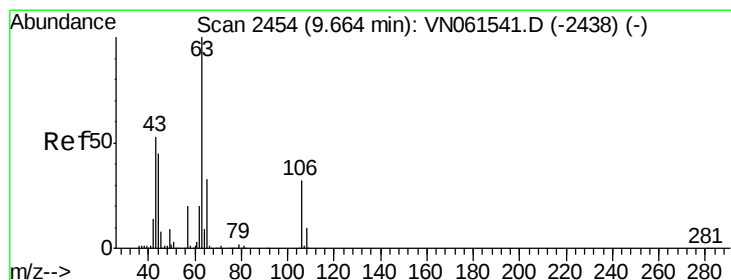
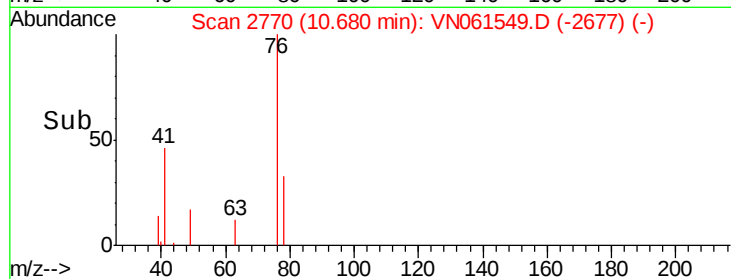
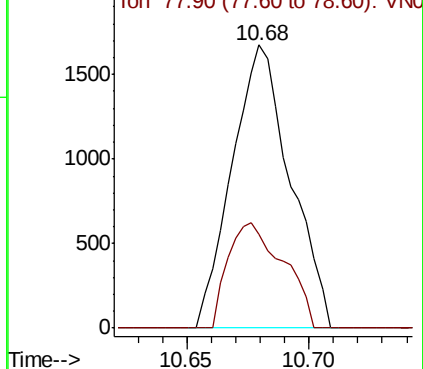
Ion Ratio Lower Upper

76 100

78 35.7 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VN061541.D (-2755) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 2.143 ug/l

RT: 9.67 min Scan# 2455

Delta R.T. 0.00 min

Lab File: VN061549.D

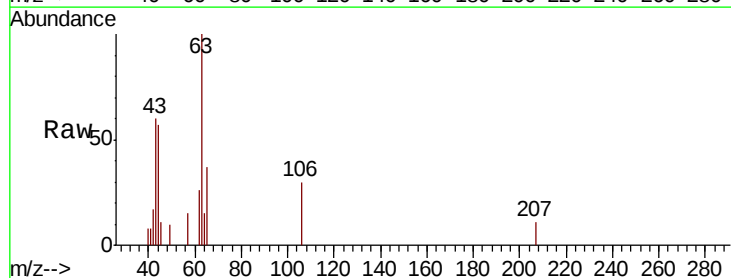
Acq: 28 May 2020 23:13

Tgt Ion: 63 Resp: 4898

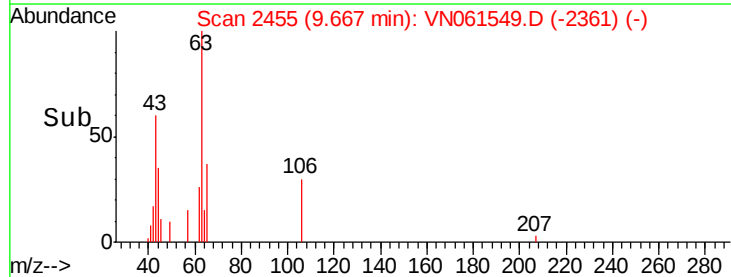
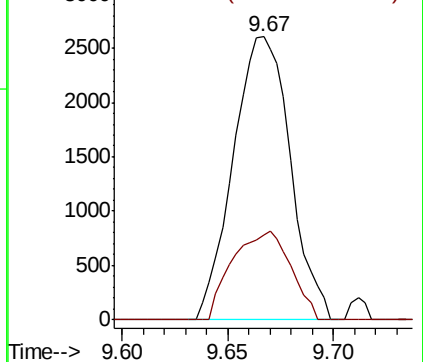
Ion Ratio Lower Upper

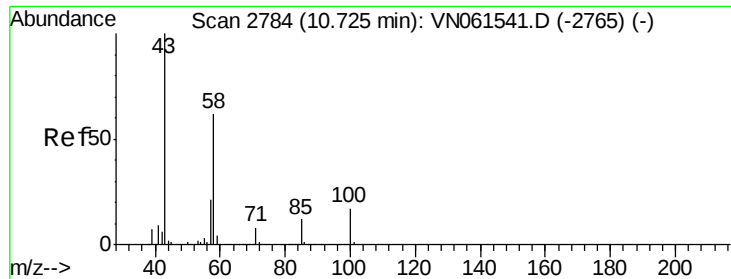
63 100

106 31.9 25.9 38.9



Abundance Ion 62.90 (62.60 to 63.60): VN061541.D (-2438) (-)

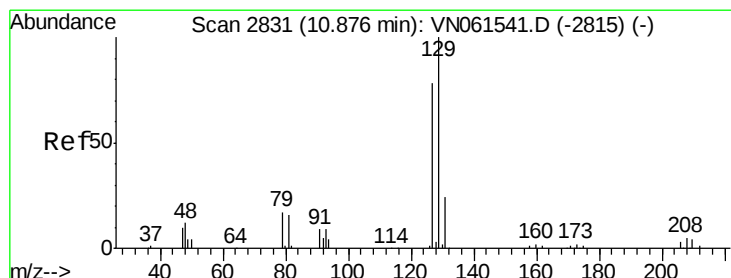
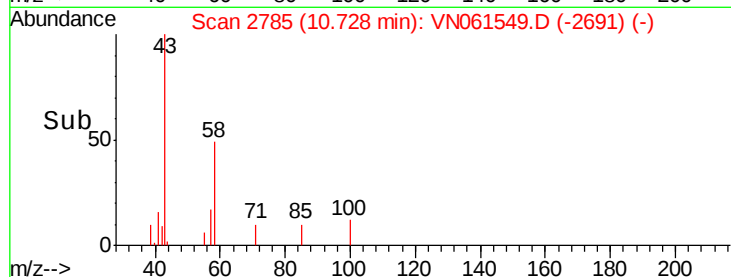
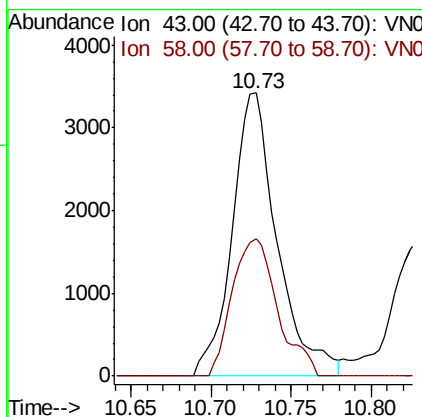
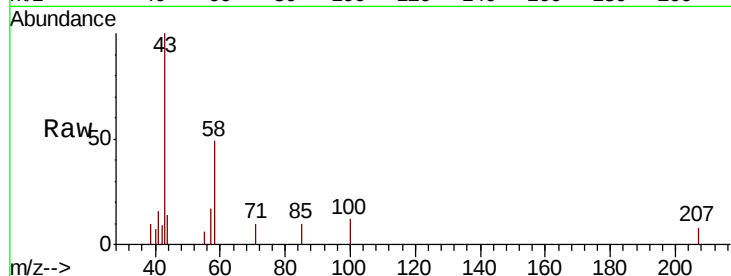




#59
2-Hexanone
Concen: 2.347 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

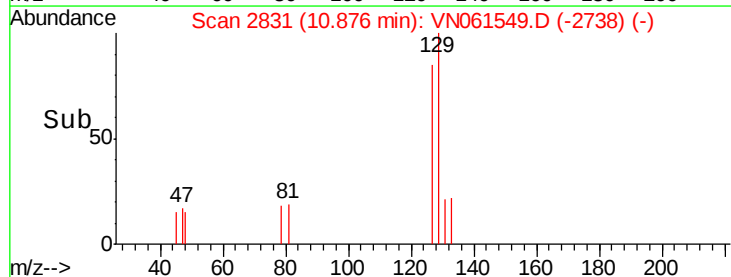
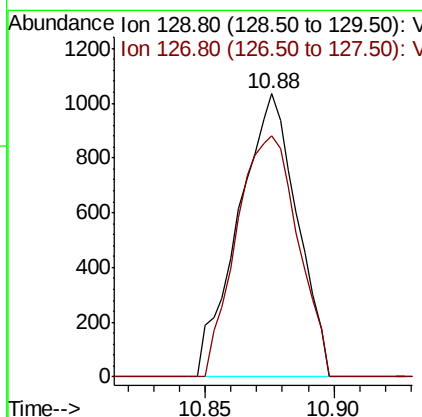
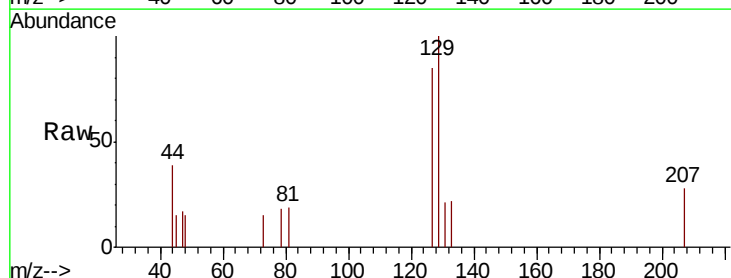
Instrument :
MSVOA_N
ClientSampleId :

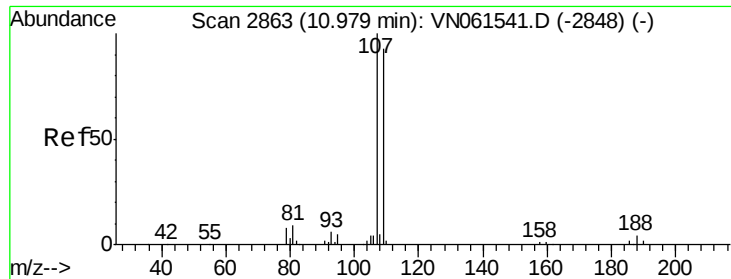
Tot Ion: 43 Resp: 6570
Ion Ratio Lower Upper
43 100
58 48.8 30.7 92.1



#60
Dibromochloromethane
Concen: 0.376 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. -0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Tgt Ion: 129 Resp: 1637
Ion Ratio Lower Upper
129 100
127 89.4 38.8 116.3

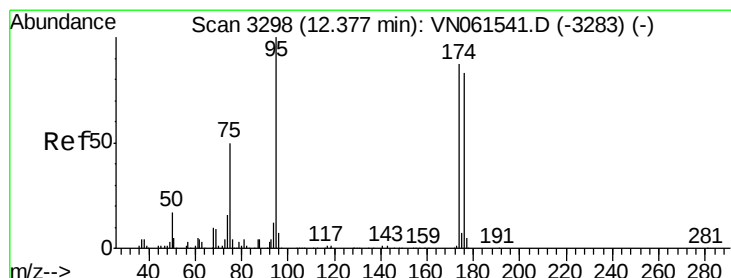
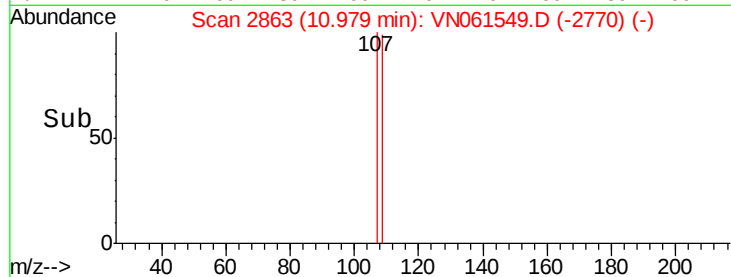
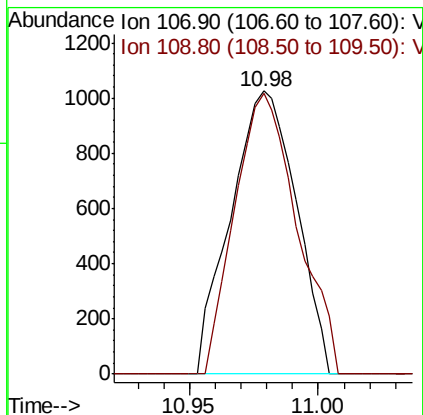
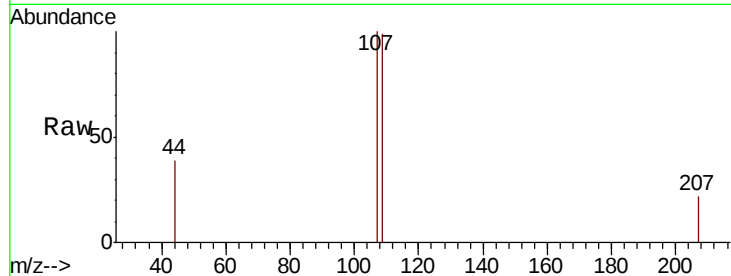




#61
 1,2-Dibromoethane
 Concen: 0.454 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061549.D
 Acq: 28 May 2020 23:13

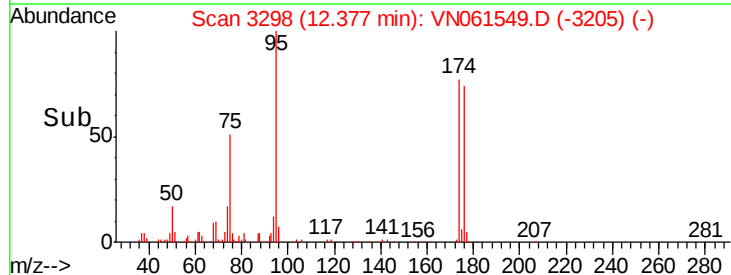
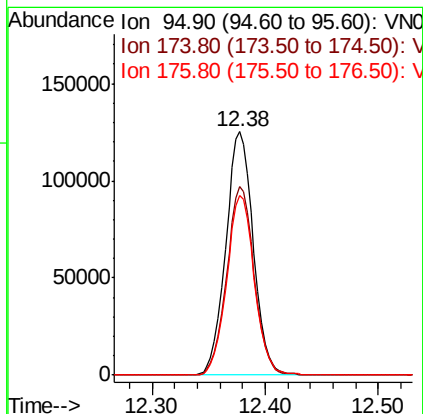
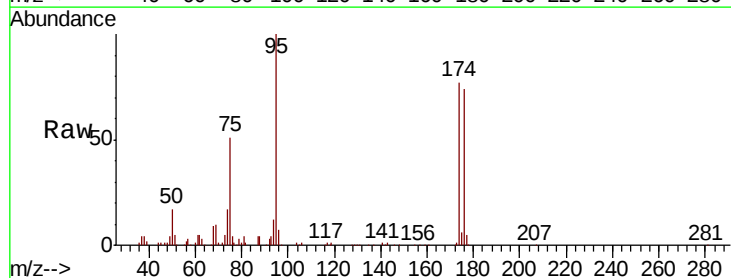
Instrument :
 MSVOA_N
 ClientSampleId :

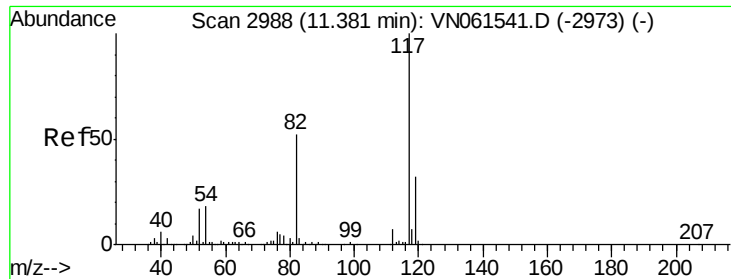
Tot Ion: 107 Resp: 1813
 Ion Ratio Lower Upper
 107 100
 109 94.5 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 45.718 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061549.D
 Acq: 28 May 2020 23:13

Tgt Ion: 95 Resp: 211387
 Ion Ratio Lower Upper
 95 100
 174 77.4 0.0 172.8
 176 74.2 0.0 164.8

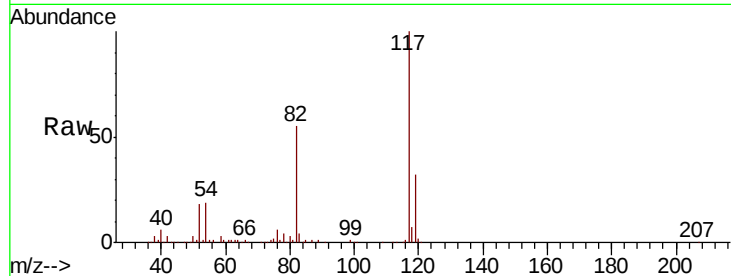




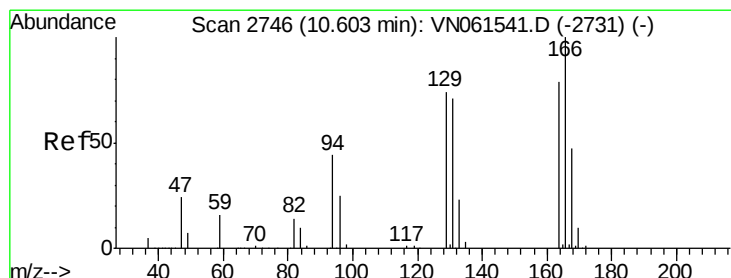
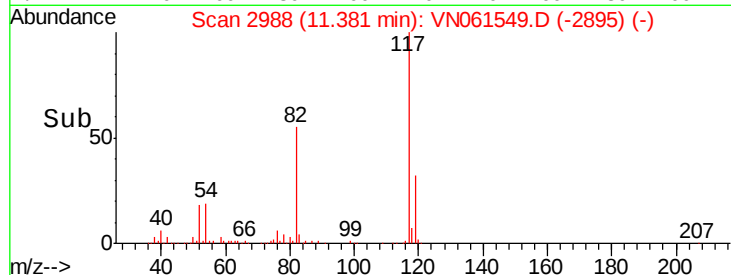
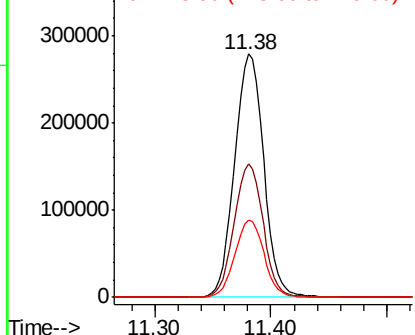
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 488285
Ion Ratio Lower Upper
117 100
82 54.6 41.5 62.3
119 31.7 25.6 38.4

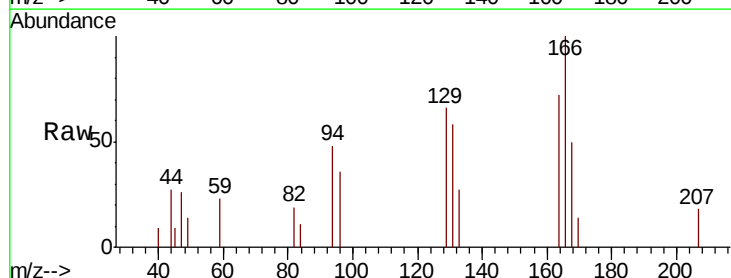


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

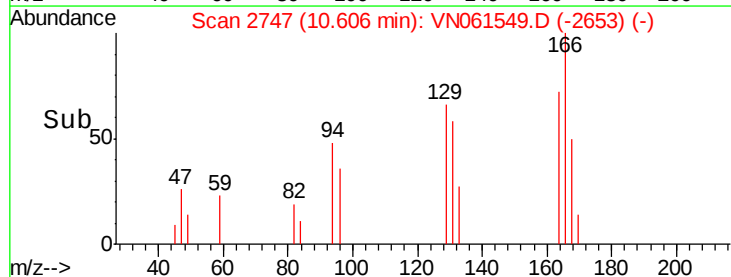
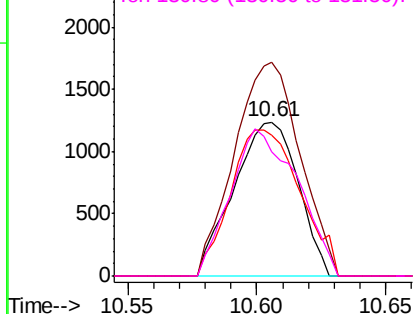


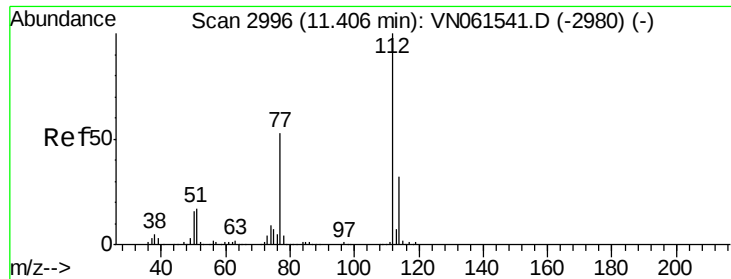
#64
Tetrachloroethene
Concen: 0.467 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. 0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Tgt Ion:164 Resp: 2148
Ion Ratio Lower Upper
164 100
166 138.5 101.5 152.3
129 91.0 74.9 112.3
131 80.3 72.2 108.2



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

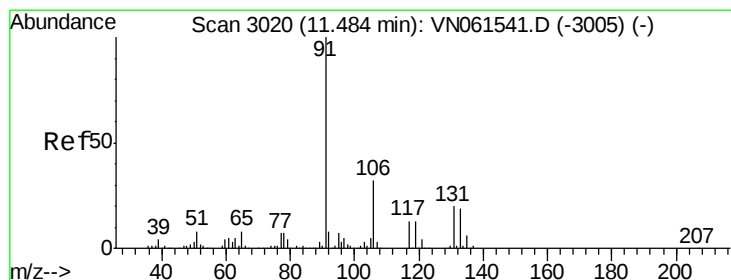
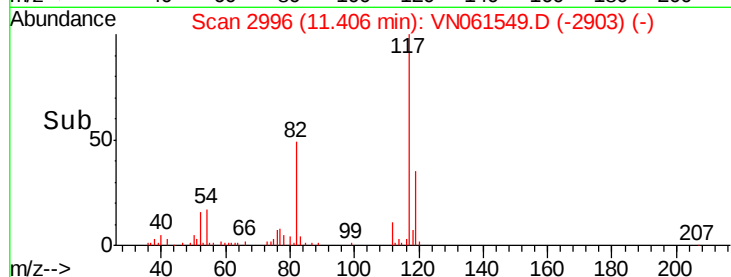
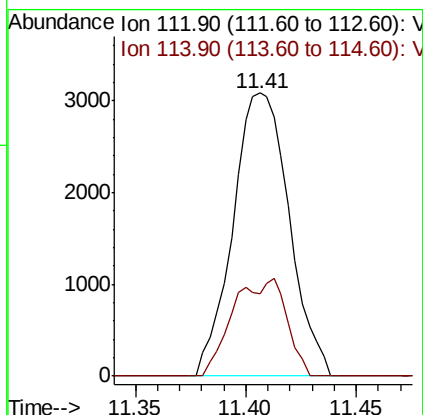
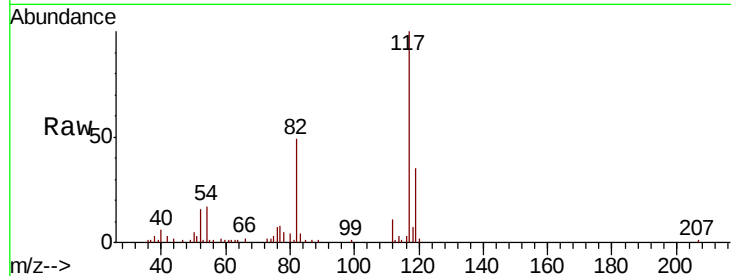




#65
Chlorobenzene
Concen: 0.538 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

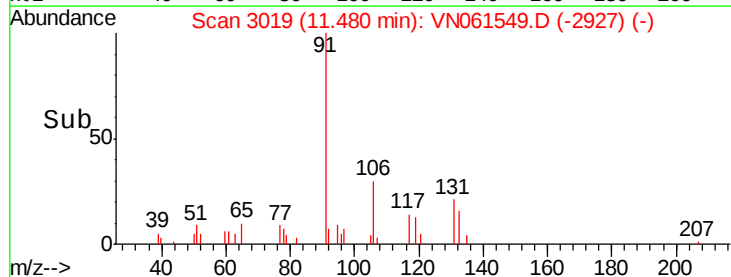
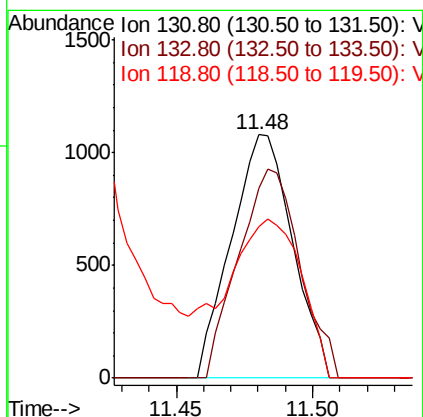
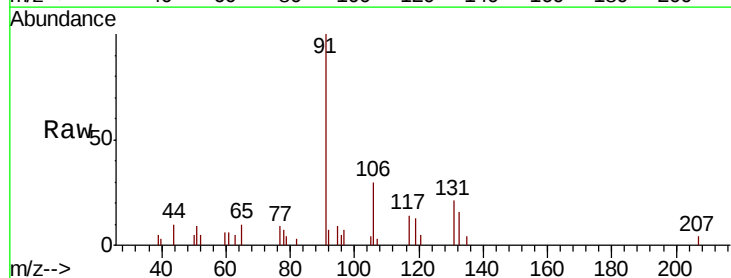
Instrument :
MSVOA_N
ClientSampleId :

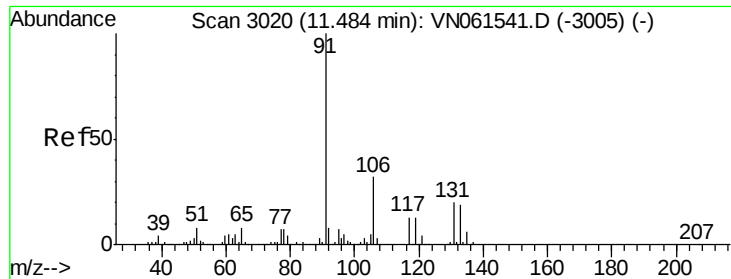
Tot Ion:112 Resp: 5459
Ion Ratio Lower Upper
112 100
114 29.0 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 0.444 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Tgt Ion:131 Resp: 1678
Ion Ratio Lower Upper
131 100
133 86.4 47.4 142.2
119 0.0 32.6 97.8#

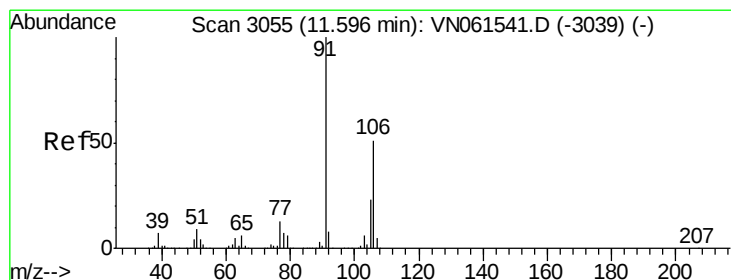
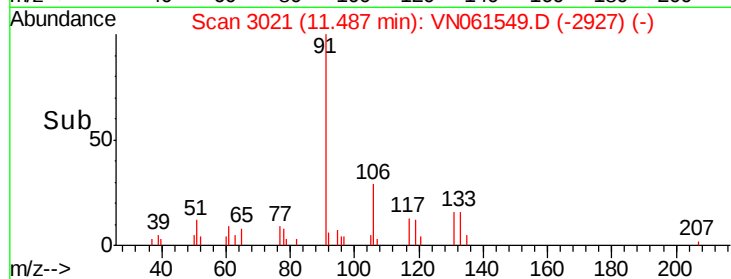
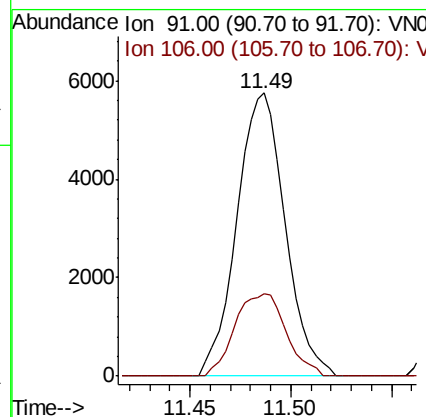
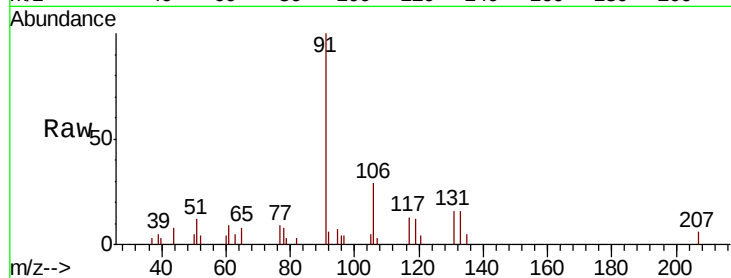




#67
Ethyl Benzene
Concen: 0.549 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

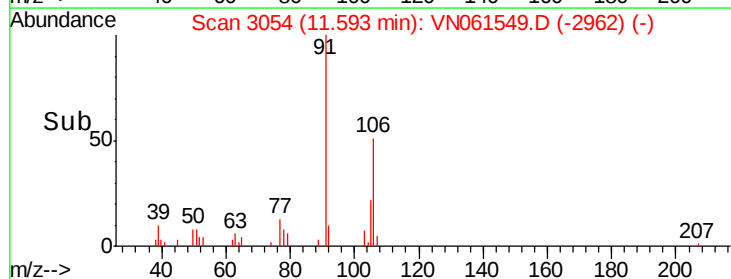
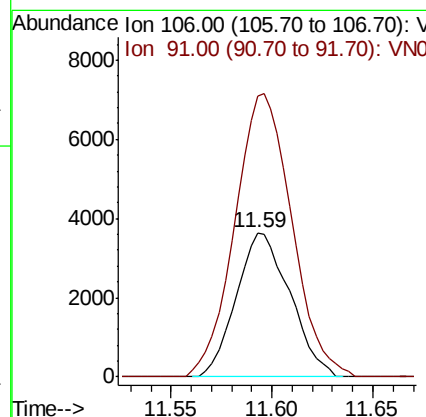
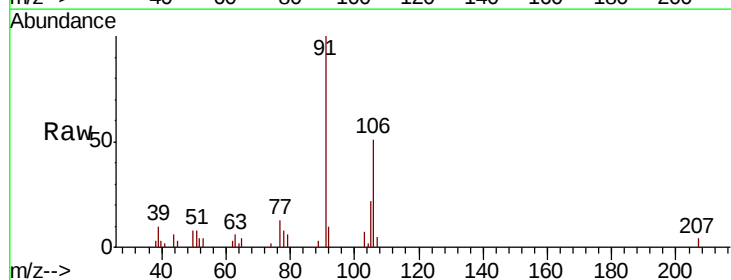
Instrument :
MSVOA_N
ClientSampled :

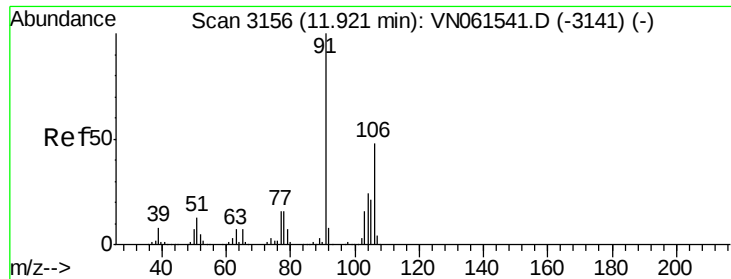
Tot Ion: 91 Resp: 9629
Ion Ratio Lower Upper
91 100
106 29.1 25.6 38.4



#68
m/p-Xylenes
Concen: 0.972 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Tgt Ion: 106 Resp: 6763
Ion Ratio Lower Upper
106 100
91 208.6 156.2 234.4

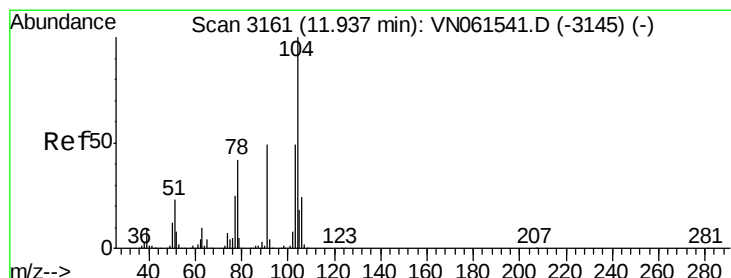
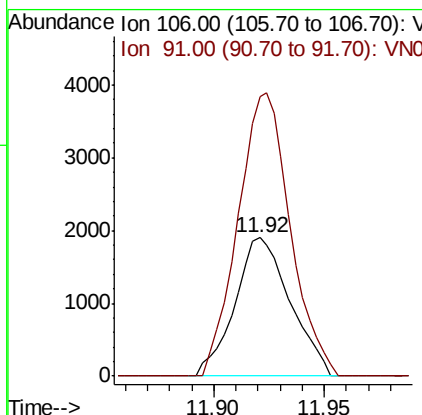
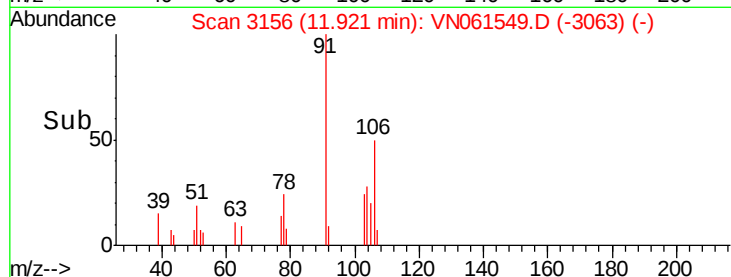
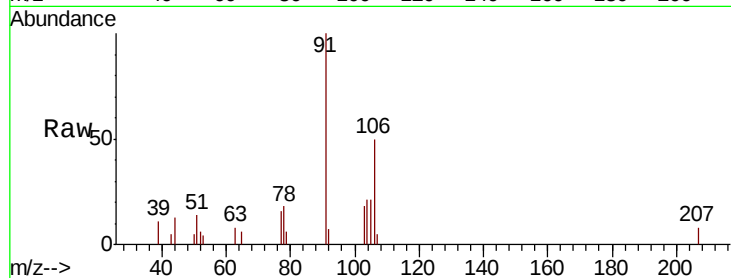




#69
o-Xylene
Concen: 0.500 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

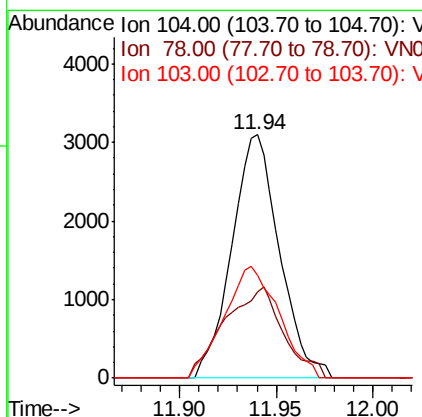
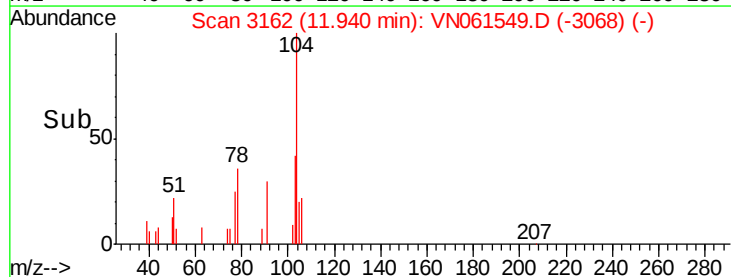
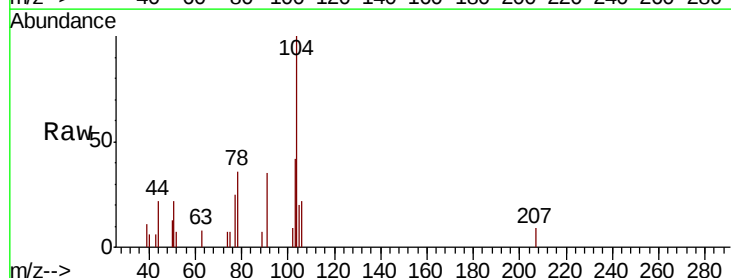
Instrument :
MSVOA_N
ClientSampled :

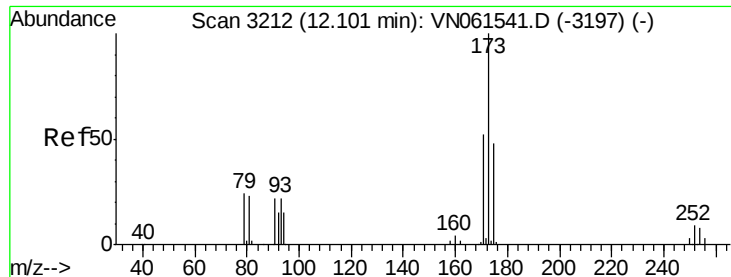
Tot Ion:106 Resp: 3306
Ion Ratio Lower Upper
106 100
91 193.2 103.3 309.8



#70
Styrene
Concen: 0.485 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Tgt Ion:104 Resp: 5309
Ion Ratio Lower Upper
104 100
78 46.1 37.4 56.0
103 52.7 42.3 63.5

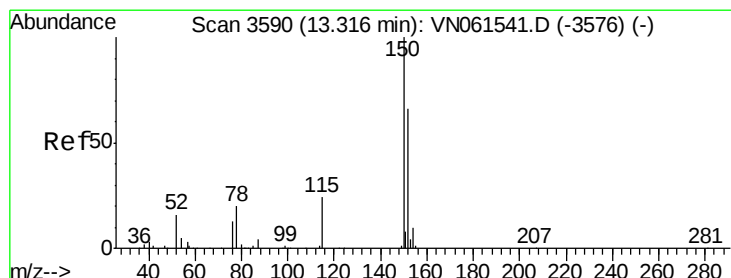
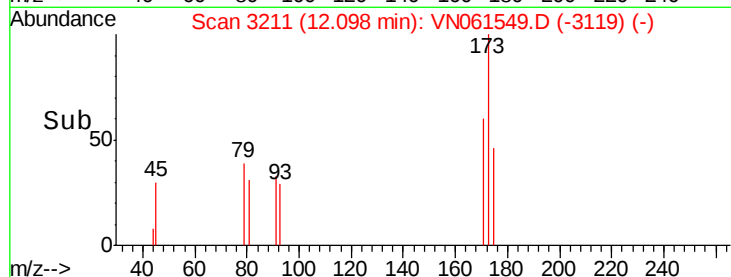
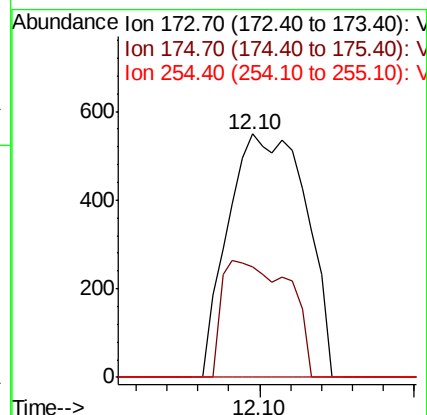
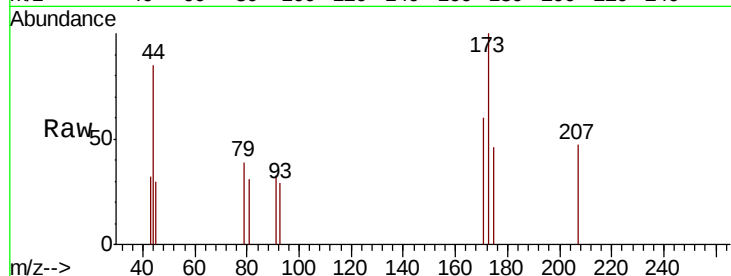




#71
Bromoform
Concen: 0.330 ug/l
RT: 12.10 min Scan# 3211
Delta R.T. -0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

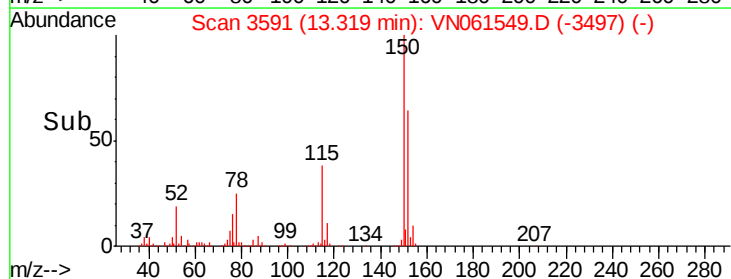
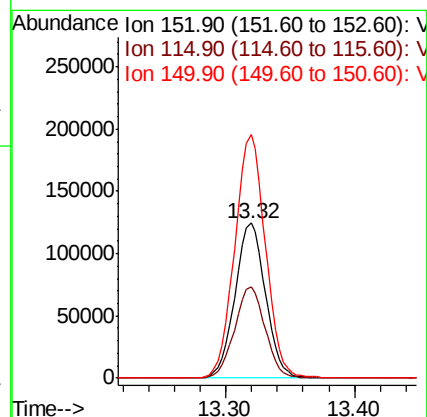
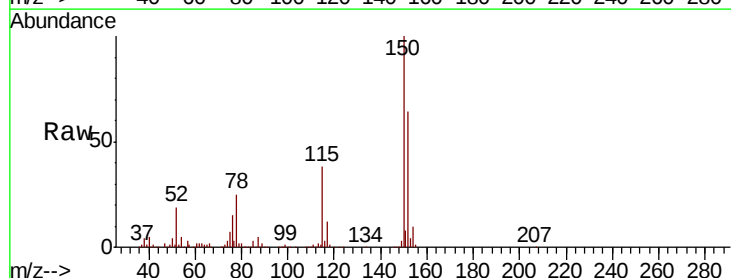
Instrument :
MSVOA_N
ClientSampleId :

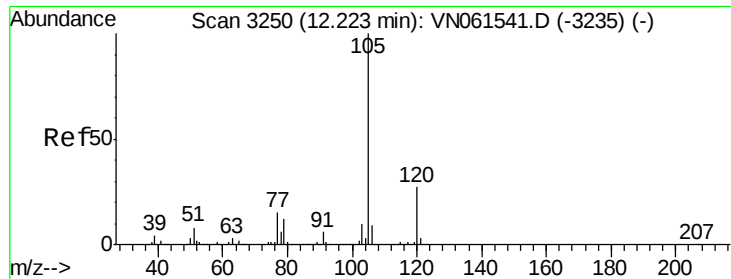
Tot Ion:173 Resp: 960
Ion Ratio Lower Upper
173 100
175 41.1 24.4 73.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Tgt Ion:152 Resp: 204587
Ion Ratio Lower Upper
152 100
115 58.6 28.0 84.0
150 157.4 0.0 344.0

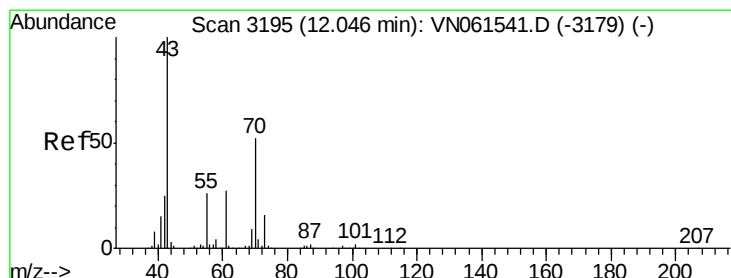
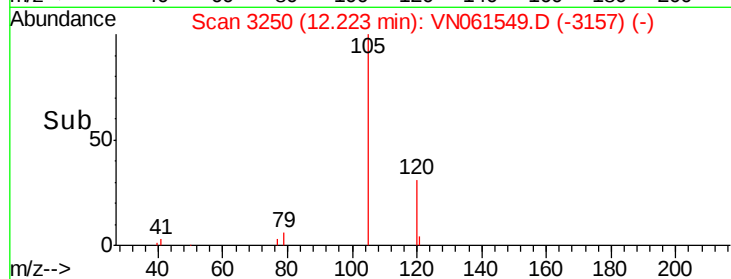
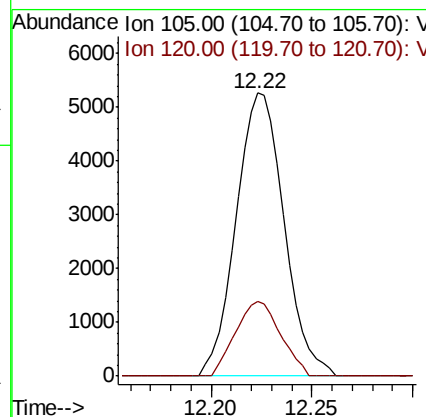
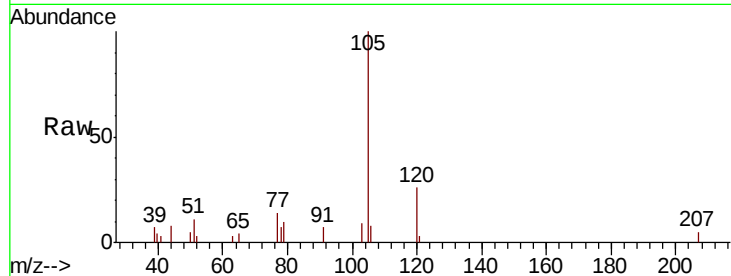




#73
Isopropylbenzene
Concen: 0.586 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

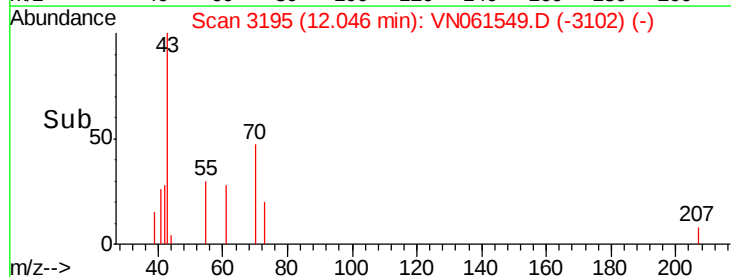
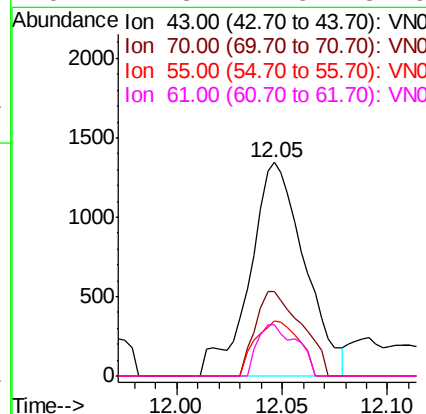
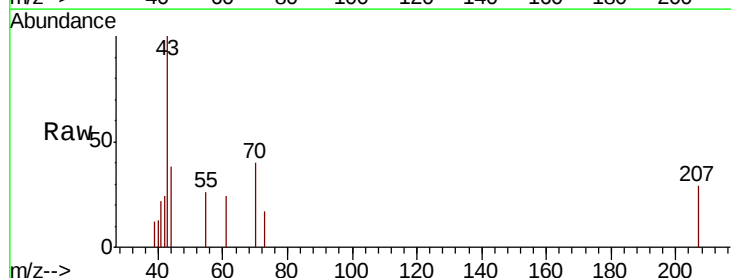
Instrument :
MSVOA_N
ClientSampled :

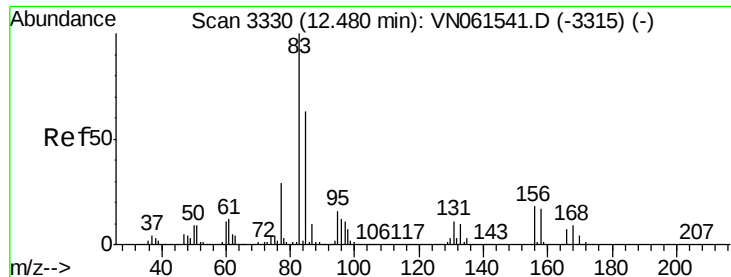
Tot Ion:105 Resp: 8751
Ion Ratio Lower Upper
105 100
120 24.8 13.8 41.3



#74
N-ethyl acetate
Concen: 0.515 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Tgt Ion: 43 Resp: 2423
Ion Ratio Lower Upper
43 100
70 33.3 40.5 60.7#
55 20.5 20.6 31.0#
61 17.3 21.8 32.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.543 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

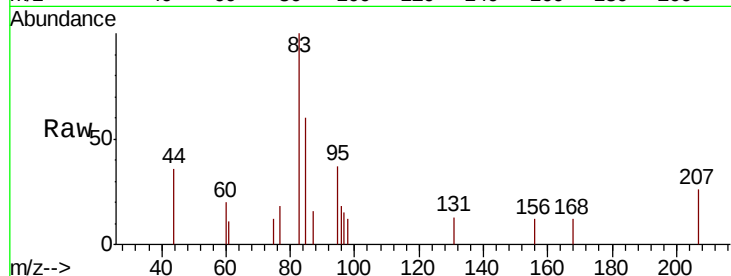
Tot Ion: 83 Resp: 2273

Ion Ratio Lower Upper

83 100

131 5.9 5.5 16.5

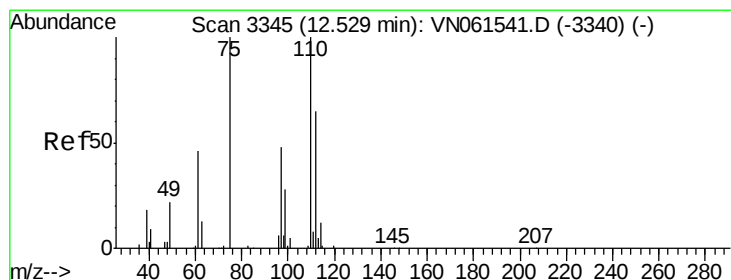
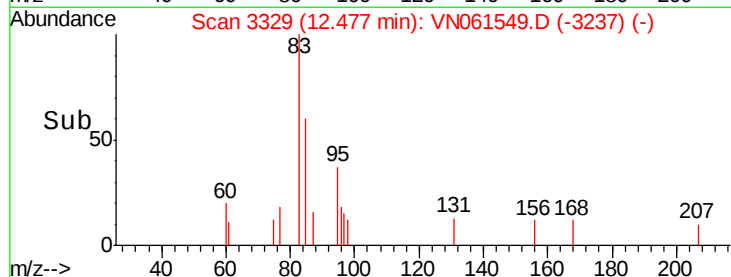
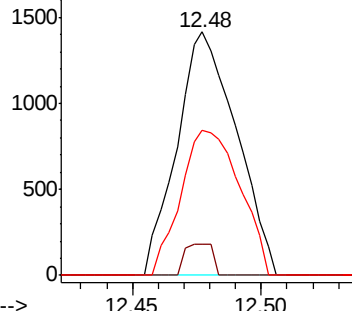
85 59.3 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN061541.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN061541.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN061541.D (-3315) (-)



#76

1,2,3-Trichloropropane

Concen: 28.394 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061549.D

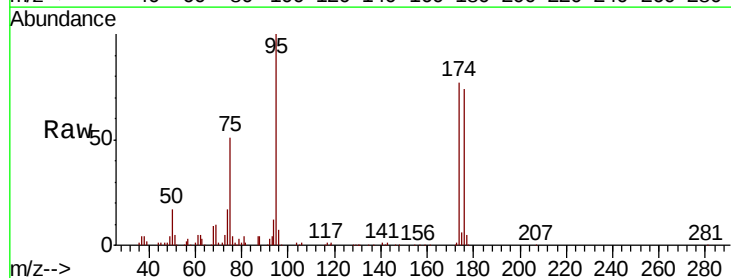
Acq: 28 May 2020 23:13

Tgt Ion: 75 Resp: 105631

Ion Ratio Lower Upper

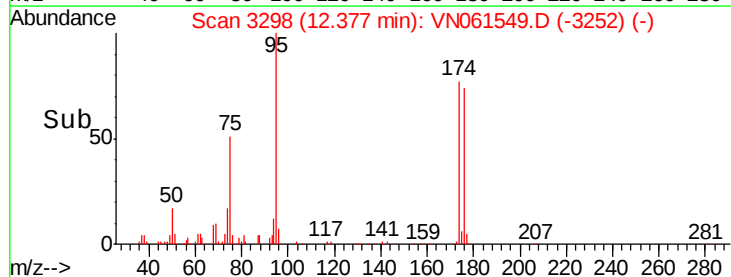
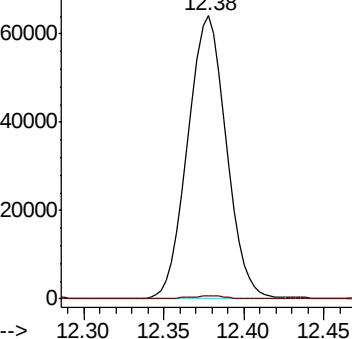
75 100

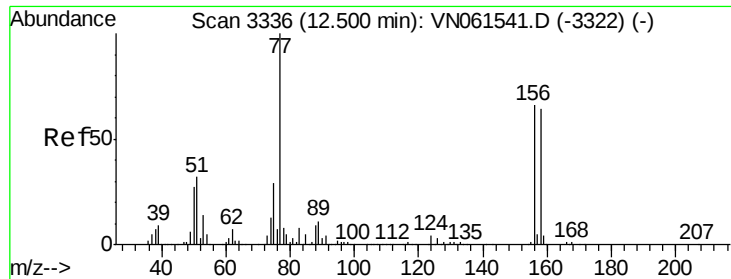
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061541.D (-3340) (-)

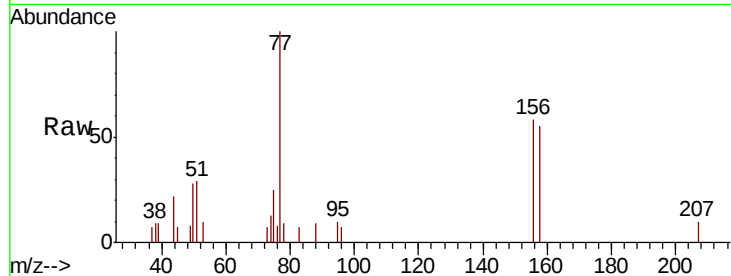




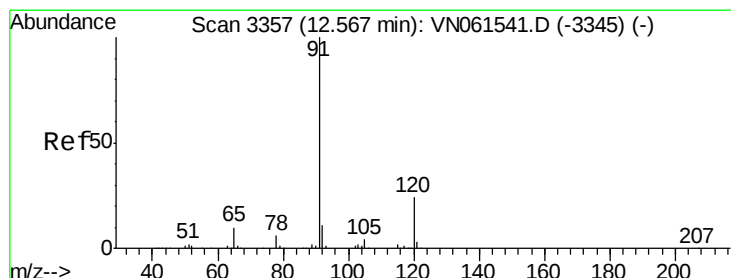
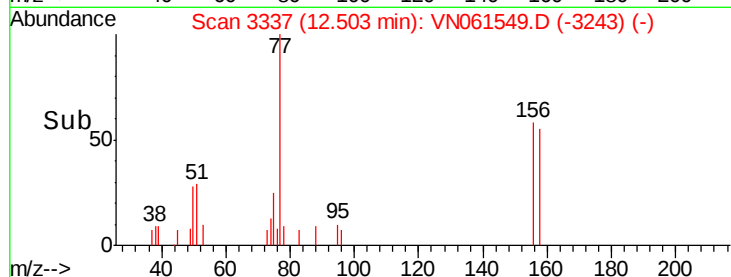
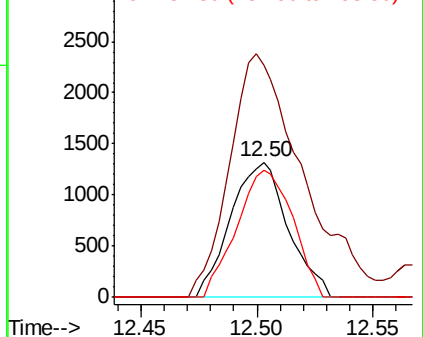
#77
Bromobenzene
Concen: 0.599 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:156 Resp: 2283
Ion Ratio Lower Upper
156 100
77 228.1 90.9 272.7
158 91.5 48.4 145.3

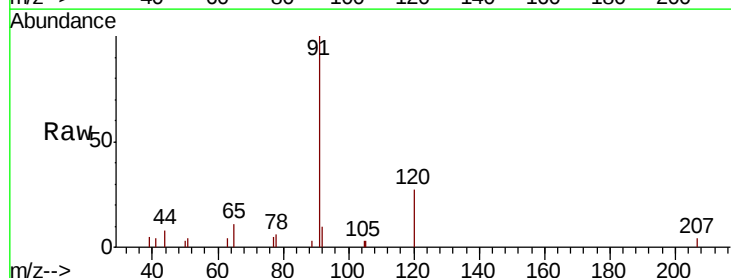


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

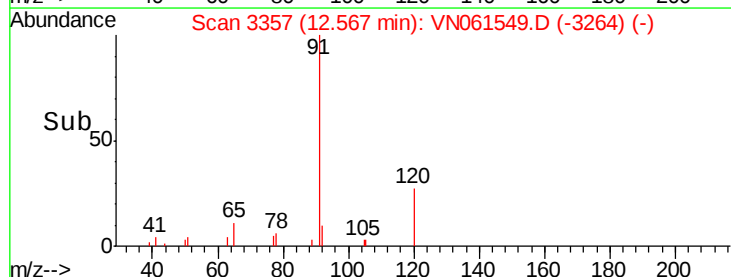
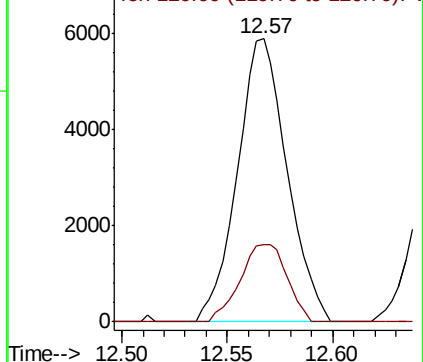


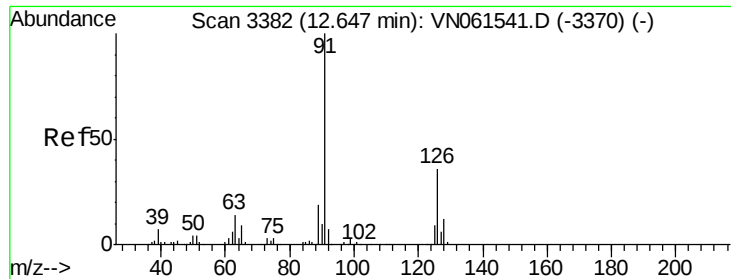
#78
n-propylbenzene
Concen: 0.579 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. -0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Tgt Ion: 91 Resp: 9650
Ion Ratio Lower Upper
91 100
120 25.8 12.3 36.9



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

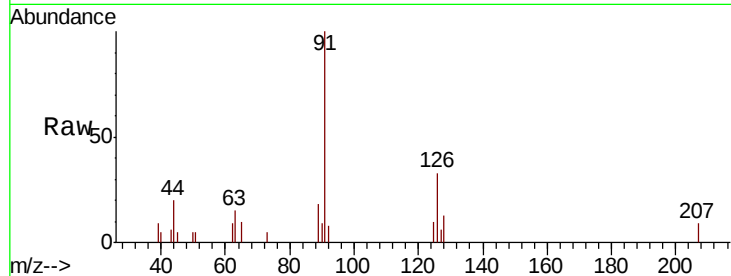




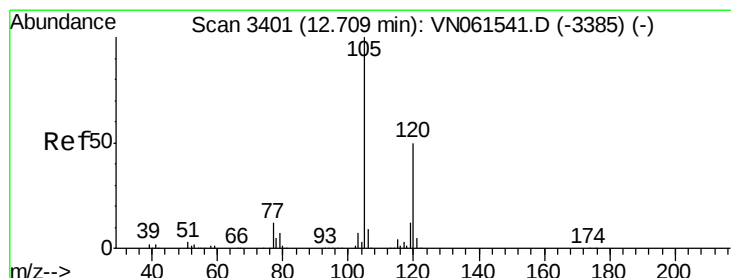
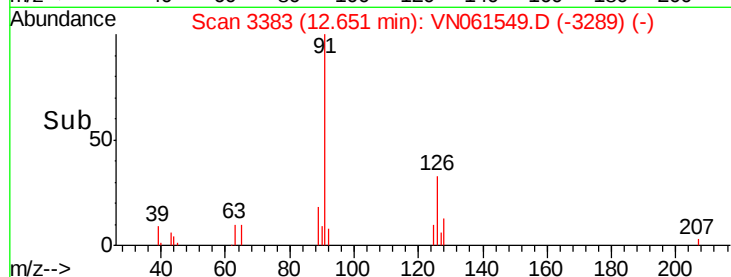
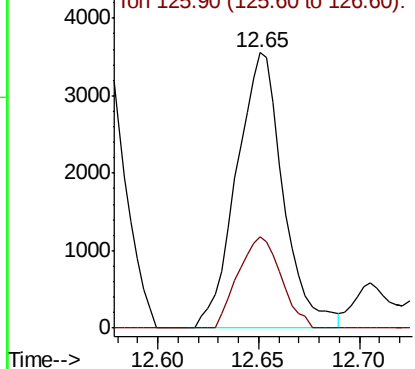
#79
2-Chlorotoluene
Concen: 0.580 ug/l
RT: 12.65 min Scan# 3383
Delta R.T. 0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 5762
Ion Ratio Lower Upper
91 100
126 30.5 17.9 53.7

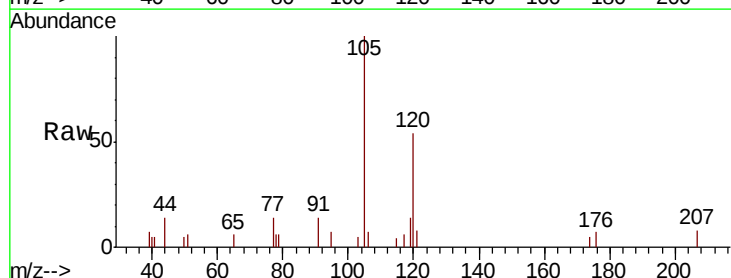


Abundance Ion 91.00 (90.70 to 91.70): VN061549.D (-3382) (-)
Ion 125.90 (125.60 to 126.60): VN061549.D (-3382) (-)

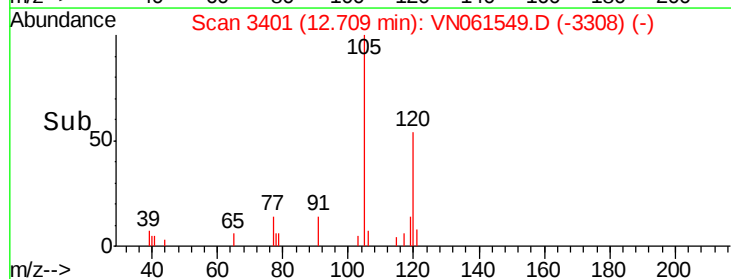
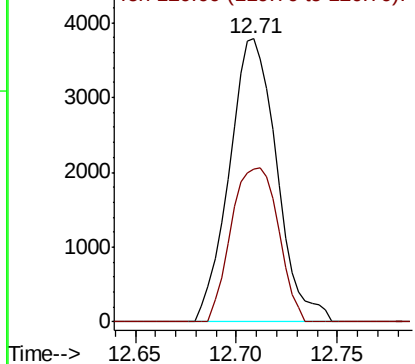


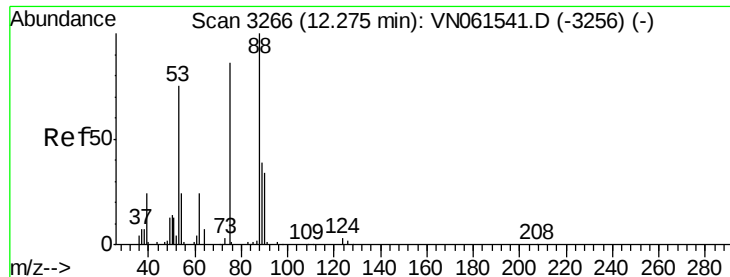
#80
1,3,5-Trimethylbenzene
Concen: 0.500 ug/l
RT: 12.71 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VN061549.D
Acq: 28 May 2020 23:13

Tgt Ion: 105 Resp: 6240
Ion Ratio Lower Upper
105 100
120 54.2 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061549.D (-3401) (-)
Ion 120.00 (119.70 to 120.70): VN061549.D (-3401) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 72.611 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

Instrument :

MSVOA_N

ClientSampled :

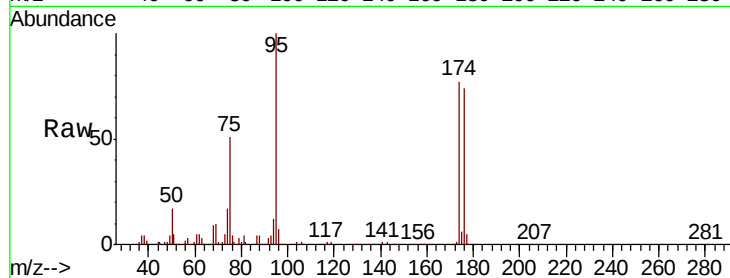
Tot Ion: 75 Resp: 105631

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

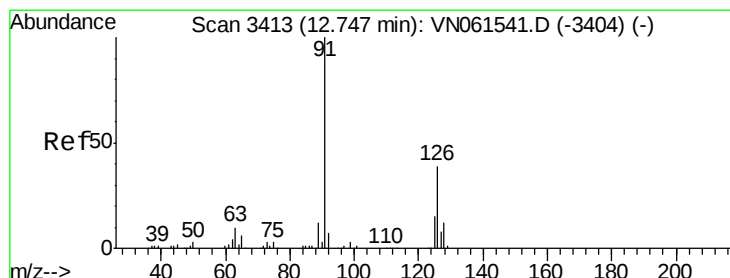
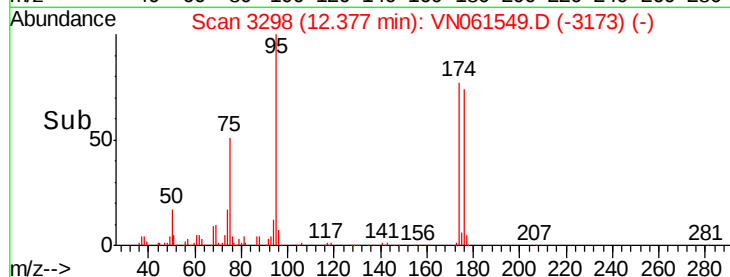
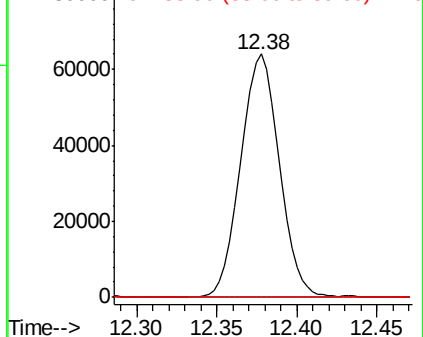
89 0.0 37.1 55.7#



Abundance Ion 74.90 (74.60 to 75.60): VN061549.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN061549.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN061549.D (-3173) (-)



#82

4-Chlorotoluene

Concen: 0.624 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061549.D

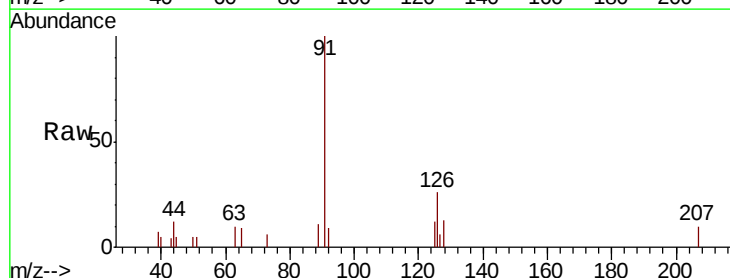
Acq: 28 May 2020 23:13

Tgt Ion: 91 Resp: 6527

Ion Ratio Lower Upper

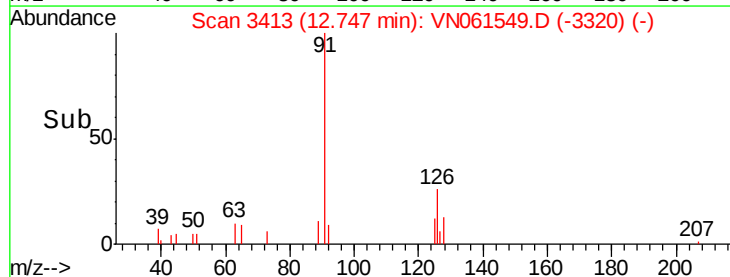
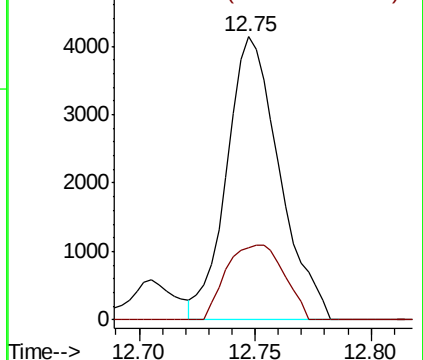
91 100

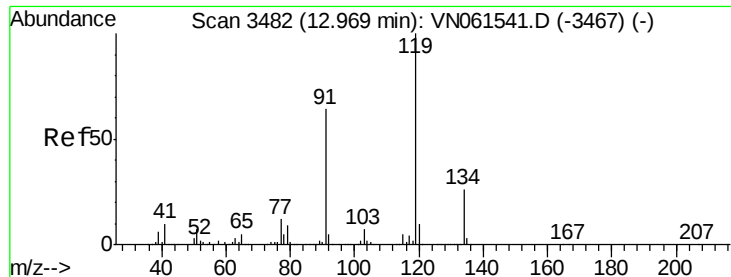
126 29.1 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VN061549.D (-3320) (-)

Ion 125.90 (125.60 to 126.60): VN061549.D (-3320) (-)

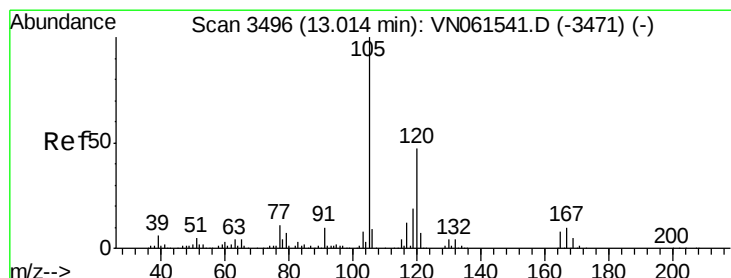
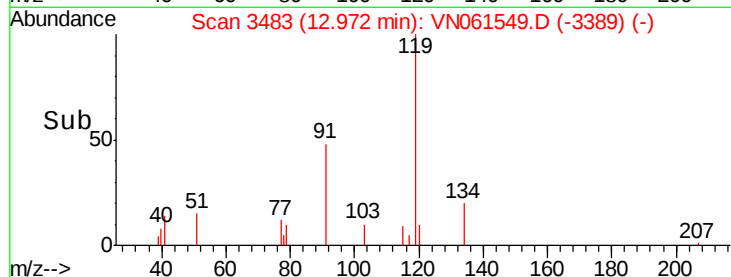
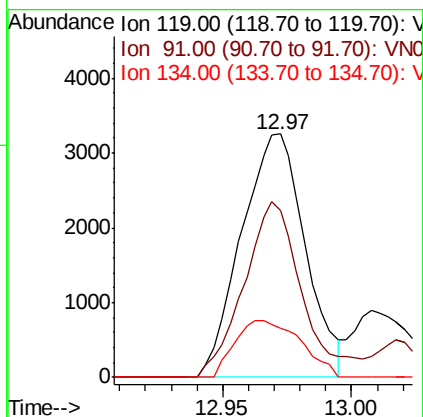
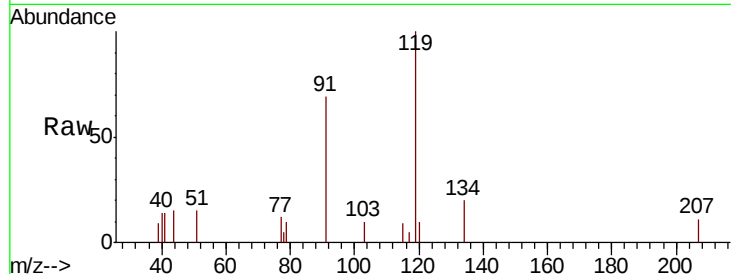




#83
 tert-Butylbenzene
 Concen: 0.509 ug/l
 RT: 12.97 min Scan# 3483
 Delta R.T. 0.00 min
 Lab File: VN061549.D
 Acq: 28 May 2020 23:13

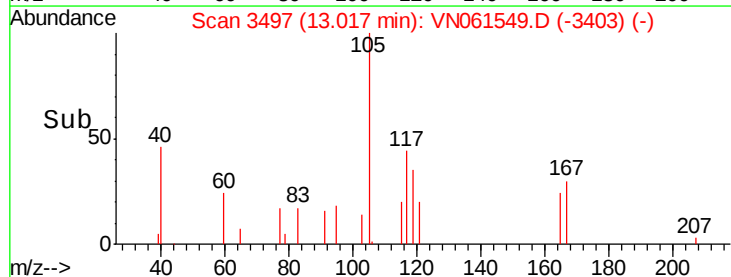
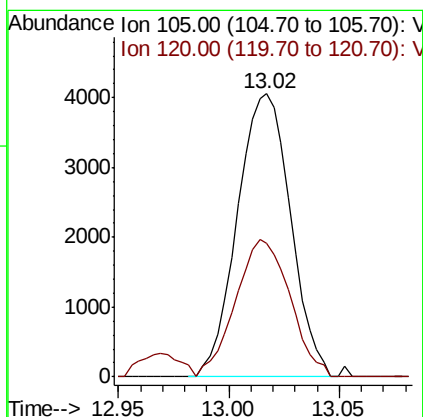
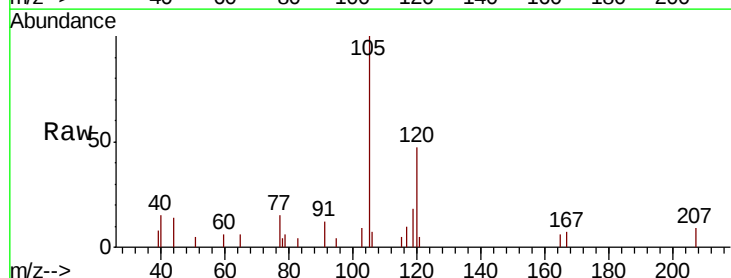
Instrument :
 MSVOA_N
 ClientSampled :

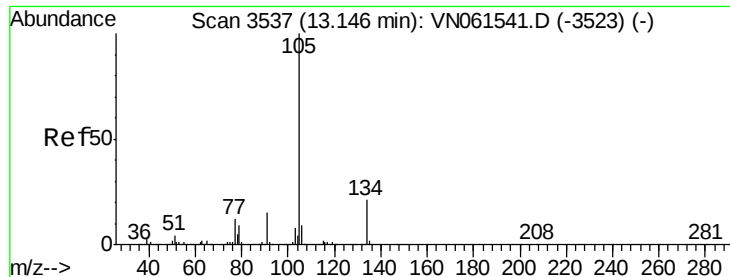
Tot Ion:119 Resp: 5611
 Ion Ratio Lower Upper
 119 100
 91 66.0 31.3 93.8
 134 24.1 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 0.547 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN061549.D
 Acq: 28 May 2020 23:13

Tgt Ion:105 Resp: 6781
 Ion Ratio Lower Upper
 105 100
 120 49.6 23.2 69.5





#85

sec-Butylbenzene

Concen: 0.508 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

Instrument :

MSVOA_N

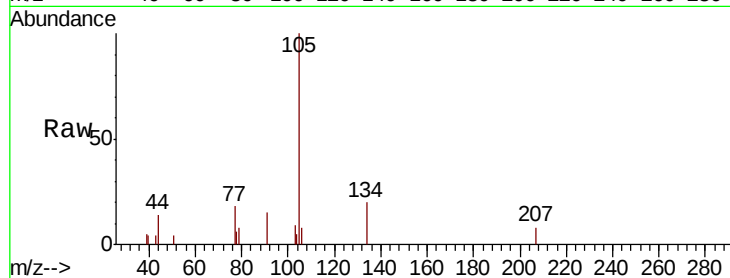
ClientSampleId :

Tot Ion:105 Resp: 7212

Ion Ratio Lower Upper

105 100

134 20.7 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

4000

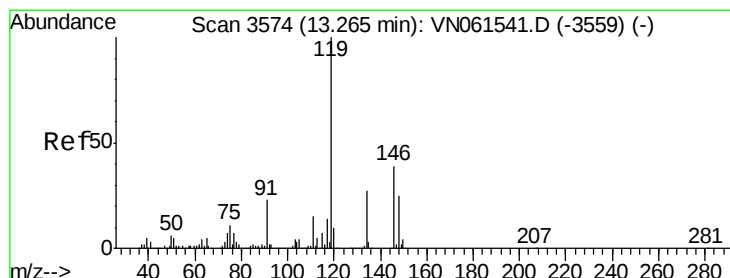
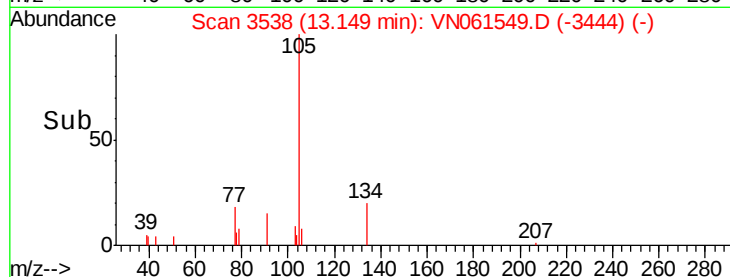
3000

2000

1000

0

Time-->



#86

p-Isopropyltoluene

Concen: 0.498 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

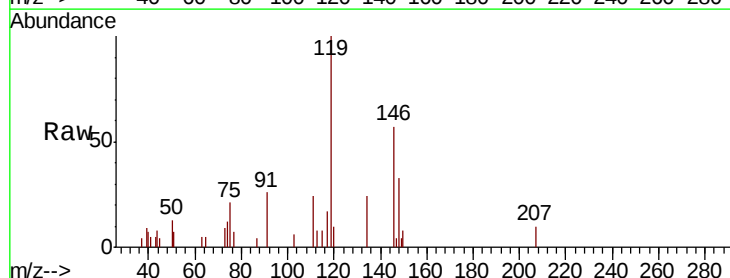
Tgt Ion:119 Resp: 6519

Ion Ratio Lower Upper

119 100

134 15.2 13.5 40.5

91 26.2 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

5000

4000

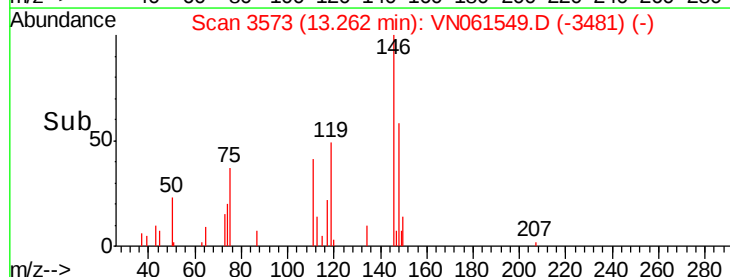
3000

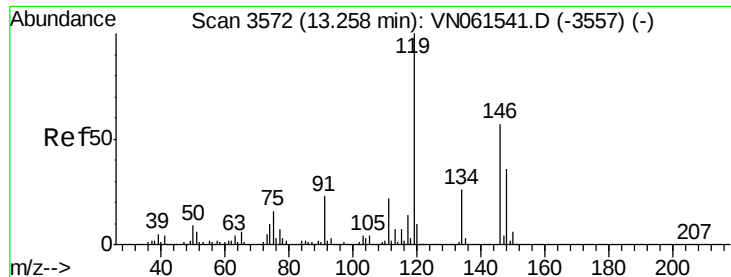
2000

1000

0

Time-->

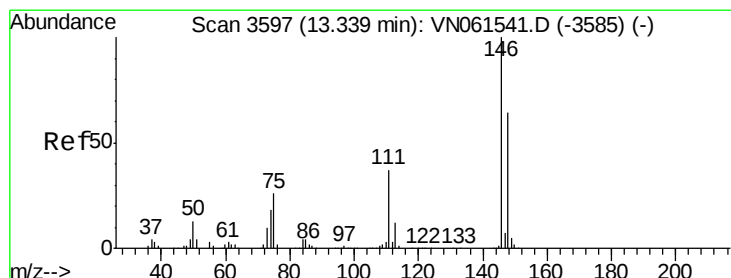
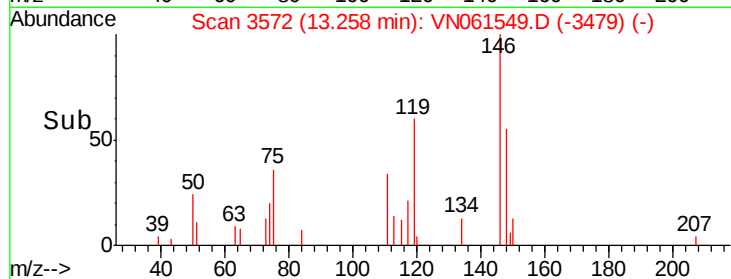
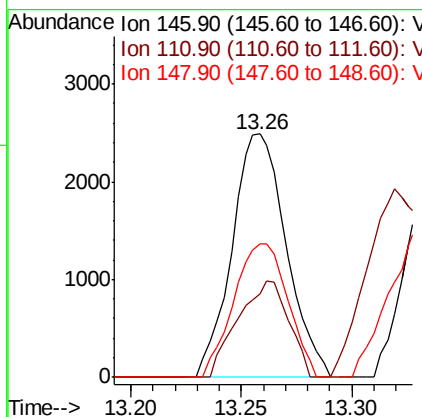
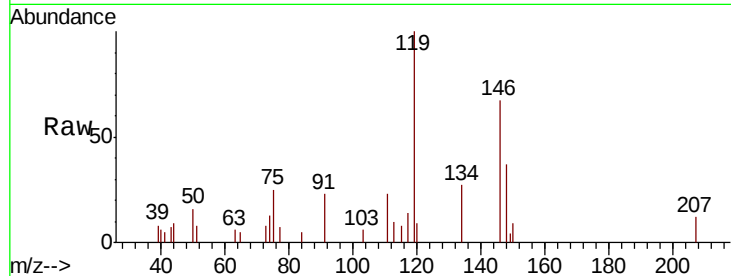




#87
 1,3-Dichlorobenzene
 Concen: 0.628 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061549.D
 Acq: 28 May 2020 23:13

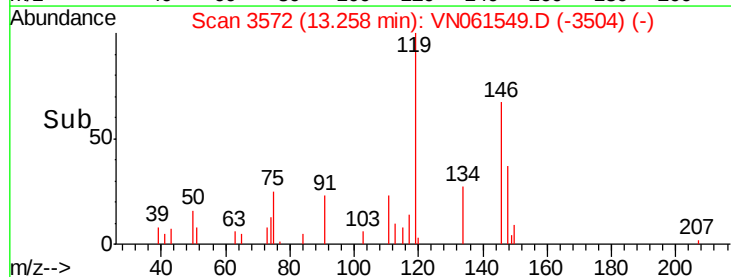
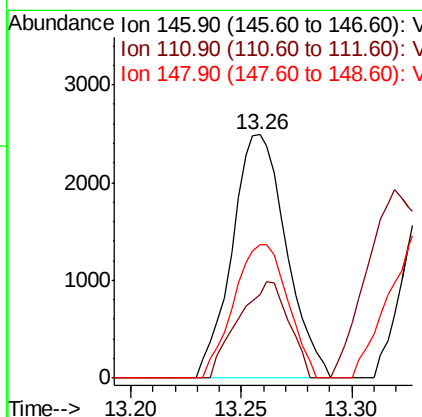
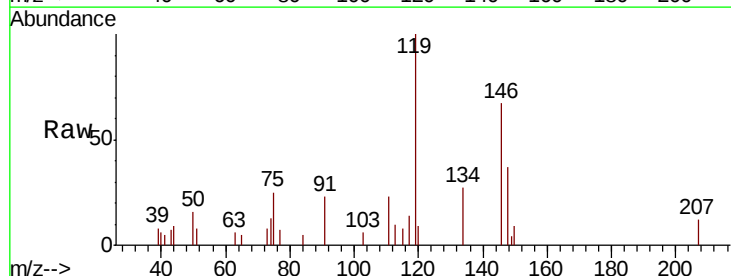
Instrument :
 MSVOA_N
 ClientSampled :

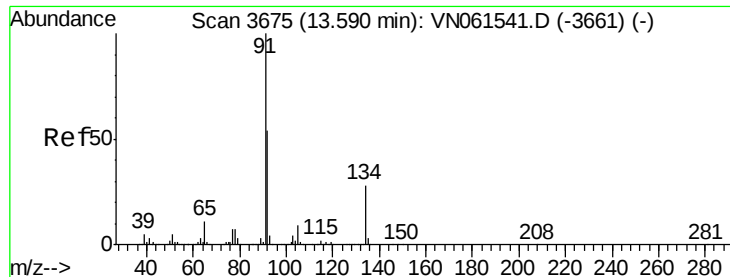
Tot Ion:146 Resp: 4239
 Ion Ratio Lower Upper
 146 100
 111 36.8 19.2 57.6
 148 54.5 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 0.617 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.08 min
 Lab File: VN061549.D
 Acq: 28 May 2020 23:13

Tgt Ion:146 Resp: 4239
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.9 56.9
 148 54.5 31.8 95.3





#89

n-Butylbenzene

Concen: 0.613 ug/l

RT: 13.59 min Scan# 3676

Delta R.T. 0.00 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

Instrument :

MSVOA_N

ClientSampled :

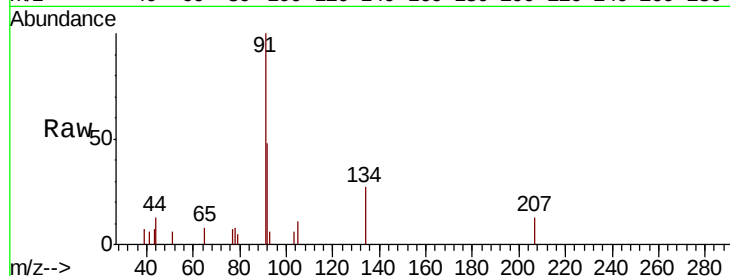
Tot Ion: 91 Resp: 6721

Ion Ratio Lower Upper

91 100

92 44.2 27.2 81.6

134 25.6 14.0 42.0

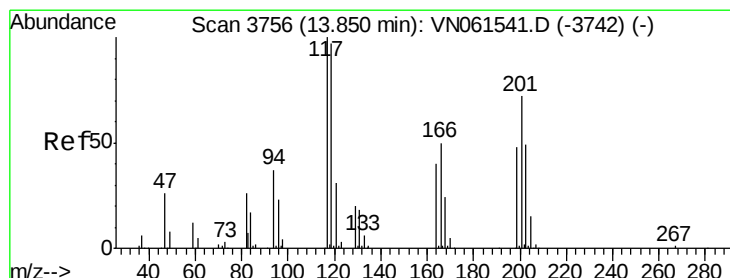
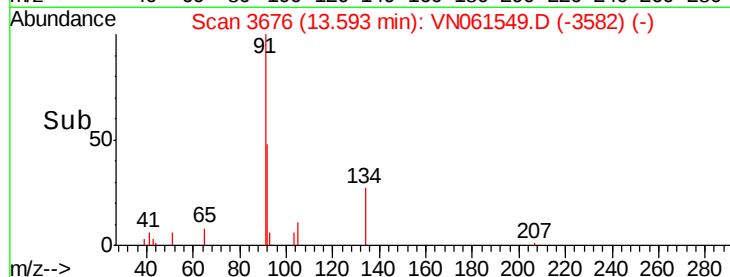


Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN061541.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN061541.D (-3661) (-)

Time-->



#90

Hexachloroethane

Concen: 0.375 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN061549.D

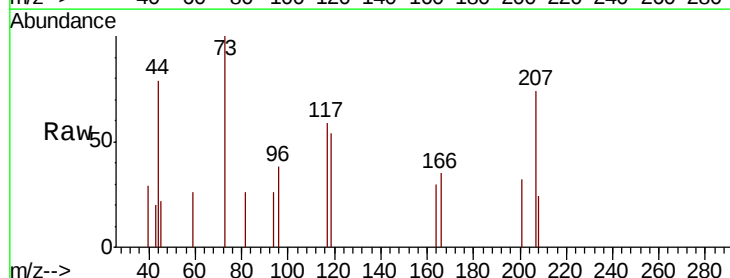
Acq: 28 May 2020 23:13

Tgt Ion: 117 Resp: 542

Ion Ratio Lower Upper

117 100

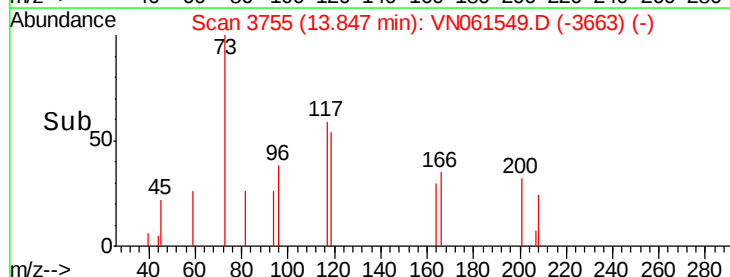
201 46.5 36.7 110.1

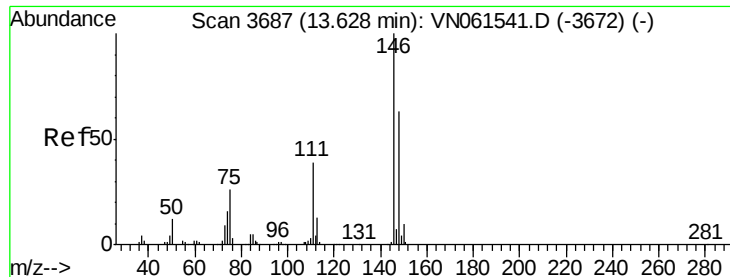


Abundance Ion 116.80 (116.50 to 117.50): VN061541.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061541.D (-3742) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 0.586 ug/l

RT: 13.63 min Scan# 3688

Delta R.T. 0.00 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

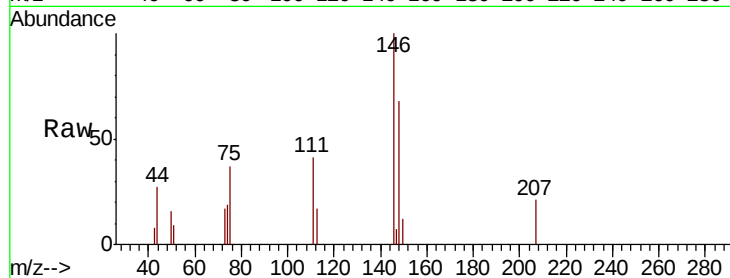
Tot Ion:146 Resp: 3780

Ion Ratio Lower Upper

146 100

111 42.3 20.1 60.2

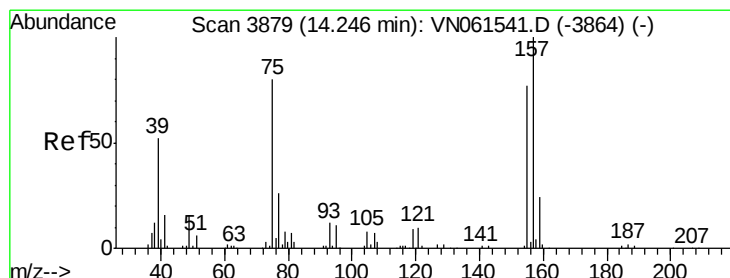
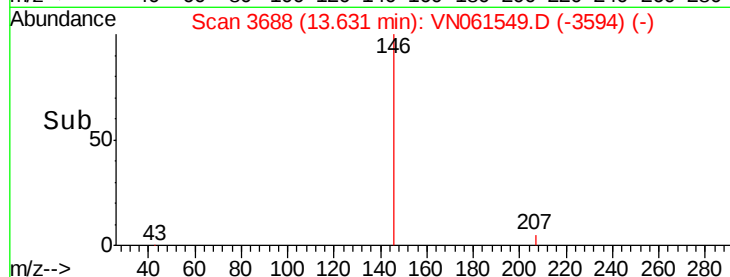
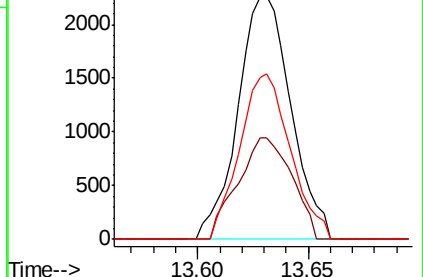
148 65.0 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.553 ug/l

RT: 14.24 min Scan# 3877

Delta R.T. -0.01 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

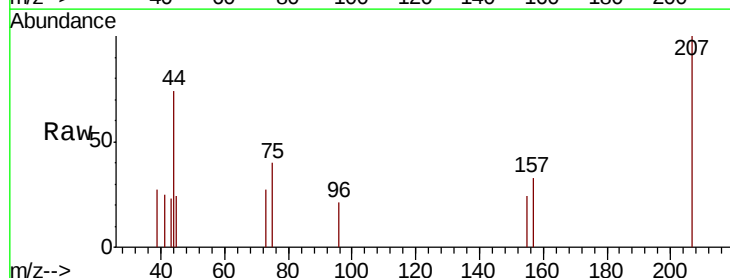
Tgt Ion: 75 Resp: 472

Ion Ratio Lower Upper

75 100

155 67.6 47.1 141.4

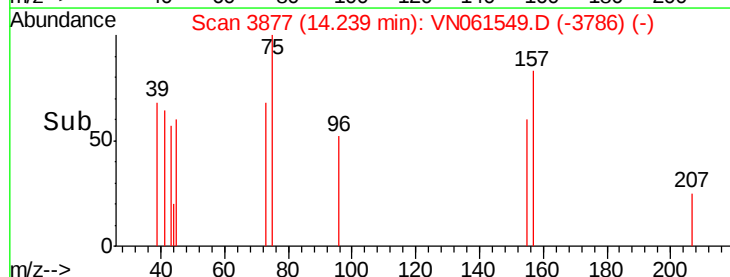
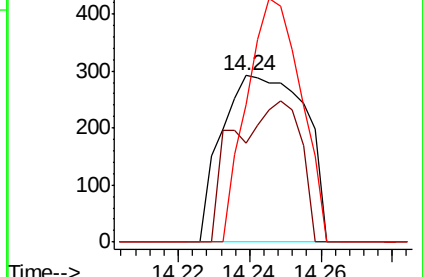
157 94.9 60.3 180.8

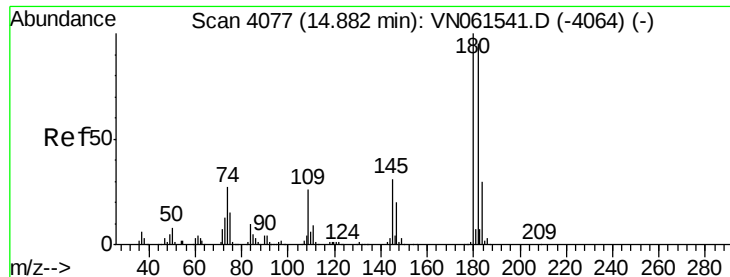


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

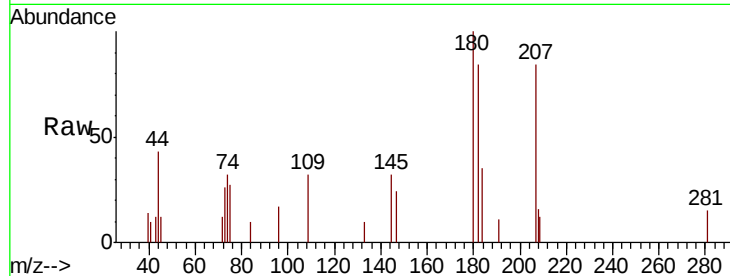




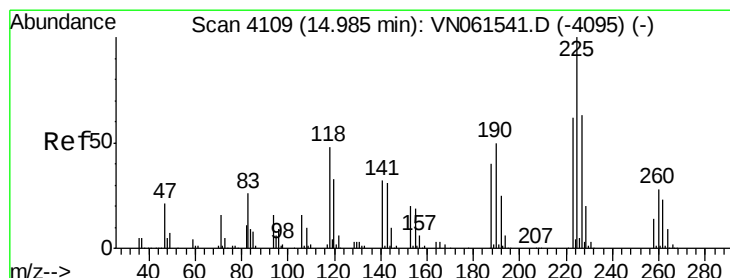
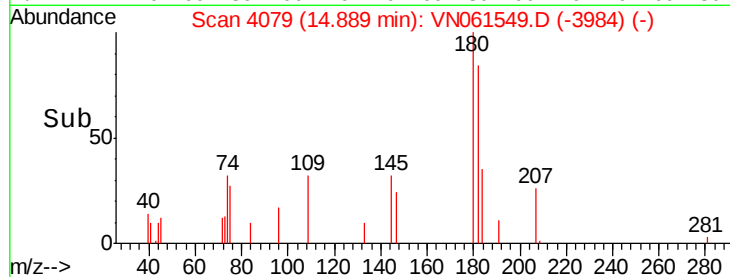
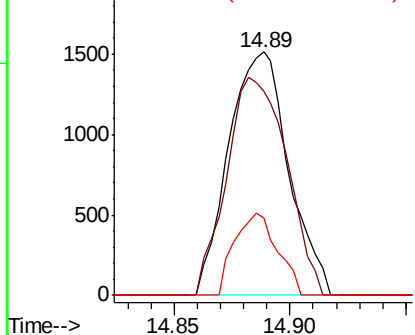
#93
 1,2,4-Trichlorobenzene
 Concen: 0.722 ug/l
 RT: 14.89 min Scan# 4079
 Delta R.T. 0.01 min
 Lab File: VN061549.D
 Acq: 28 May 2020 23:13

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 2722
 Ion Ratio Lower Upper
 180 100
 182 89.6 47.8 143.3
 145 24.0 15.5 46.5

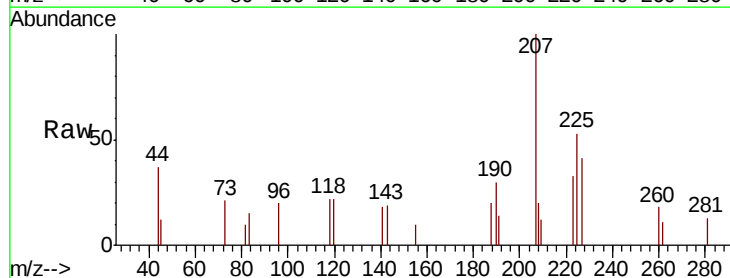


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

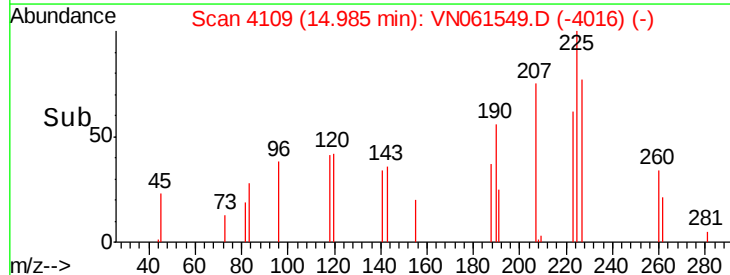
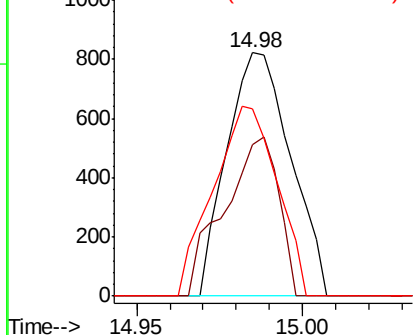


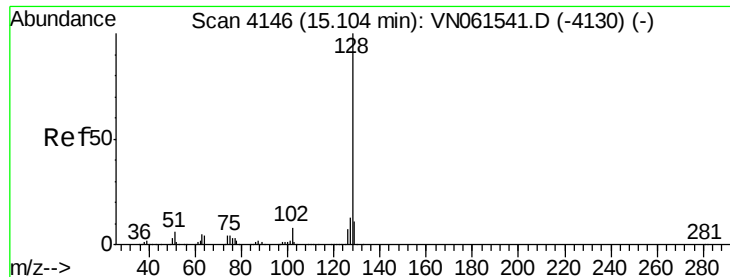
#94
 Hexachlorobutadiene
 Concen: 0.686 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN061549.D
 Acq: 28 May 2020 23:13

Tgt Ion:225 Resp: 1103
 Ion Ratio Lower Upper
 225 100
 223 55.7 31.9 95.5
 227 77.5 31.9 95.9



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





#95

Naphthalene

Concen: 0.706 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

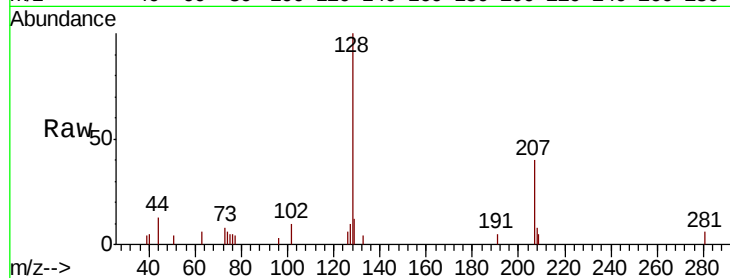
Tot Ion:128 Resp: 8109

Ion Ratio Lower Upper

128 100

127 10.2 10.0 15.0

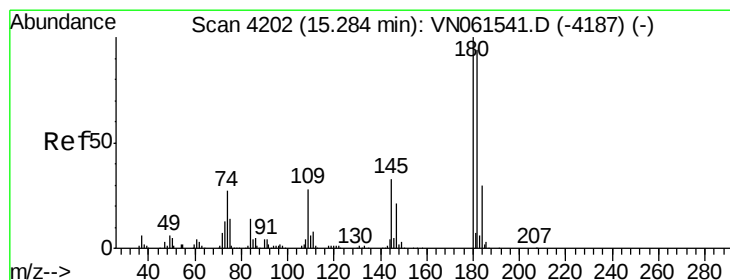
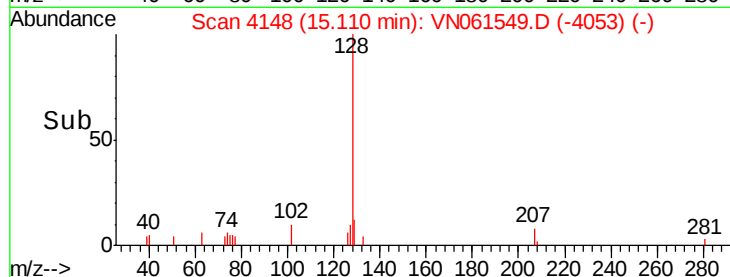
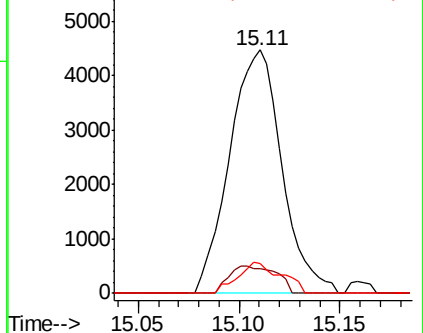
129 10.6 8.5 12.7



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: 0.673 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061549.D

Acq: 28 May 2020 23:13

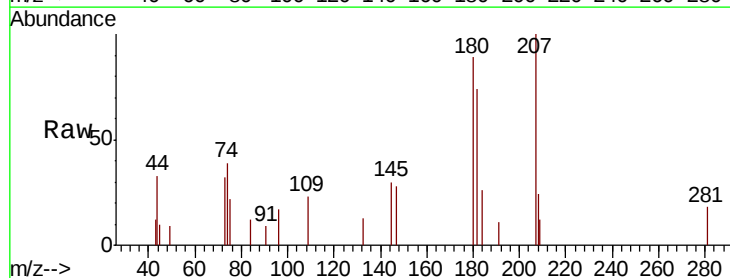
Tgt Ion:180 Resp: 2497

Ion Ratio Lower Upper

180 100

182 101.1 47.1 141.3

145 32.7 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

