

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037176.D
 Acq On : 16 Jun 2021 18:39
 Operator : SY/AP
 Sample : M2713-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 17 01:48:52 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1361553	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3879932	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3587508	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2757334	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	63602	0.269	ppbv 97
3) Chlorodifluoromethane	2.96	51	299136	1.130	ppbv # 74
4) Chloromethane	3.14	50	42764	0.485	ppbv # 88
6) Bromomethane	3.47	94	1410	0.024	ppbv # 53
7) Chloroethane	3.56	64	8904	0.257	ppbv # 82
9) Propene	3.01	41	18332	0.217	ppbv # 16
10) Heptane	8.12	43	181944	0.887	ppbv 97
11) Trichlorofluoromethane	3.95	101	61064	0.242	ppbv 92
12) 1,1,2-Trichlorotrifluoroet	4.49	101	16810	0.094	ppbv 95
13) Ethanol	3.61	45	175030	13.366	ppbv 53
15) Acetone	3.85	43	1309937	8.532	ppbv 97
16) 1,3-Butadiene	3.31	39	39366	0.434	ppbv # 24
17) tert-Butyl alcohol	4.30	59	21372	0.151	ppbv # 71
18) 1,1-Dichloroethene	4.29	96	2437	0.031	ppbv # 61
19) Isopropyl Alcohol	3.98	45	249297	2.681	ppbv # 91
20) Methylene Chloride	4.35	84	1927337	20.968	ppbv 98
22) trans-1,2-Dichloroethene	4.88	96	5485	0.070	ppbv # 51
23) Vinyl Acetate	5.07	43	11060	0.050	ppbv # 72
24) 1,1-Dichloroethane	5.02	63	345708	1.950	ppbv 98
25) Ethyl Acetate	5.69	43	927476	2.790	ppbv # 80
26) Hexane	5.69	57	1201166	7.150	ppbv # 48
27) Carbon Disulfide	4.55	76	4424	0.027	ppbv # 1
29) Chloroform	5.75	83	27515	0.106	ppbv 88
30) Cyclohexane	7.13	84	4729	0.034	ppbv # 1
32) 1,1,1-Trichloroethane	6.51	97	542889	1.955	ppbv 99
34) 2-Butanone	5.25	43	391915	2.597	ppbv 99
35) Carbon Tetrachloride	7.02	117	6365	0.024	ppbv # 78
36) Benzene	6.89	78	40269	0.128	ppbv 95
38) Trichloroethene	7.83	130	3509	0.024	ppbv 82
39) 1,2-Dichloropropane	7.18	63	943620	8.094	ppbv # 23
41) Tetrahydrofuran	6.06	42	151627	2.163	ppbv 94
44) 2,2,4-Trimethylpentane	7.88	57	59451	0.113	ppbv # 20
50) 4-Methyl-2-Pentanone	8.76	43	612209	2.954	ppbv 99
52) Tetrachloroethene	11.22	164	4511	0.031	ppbv # 54
53) Toluene	9.81	91	3177178	8.478	ppbv 99
56) 1,1,1,2-Tetrachloroethane	12.30	131	60517	0.386	ppbv # 47
58) Ethyl Benzene	12.72	91	1391578	2.818	ppbv 97
59) m/p-Xylene	12.97	91	5548831	13.258	ppbv 96
60) o-Xylene	13.70	91	2380802	5.974	ppbv 99
61) Styrene	13.53	104	13600	0.066	ppbv # 29
62) Isopropylbenzene	14.68	105	51710	0.091	ppbv 99

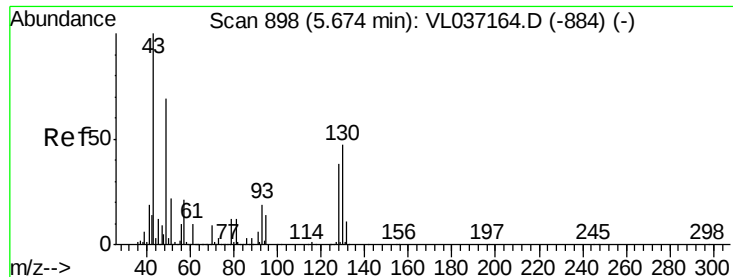
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037176.D
 Acq On : 16 Jun 2021 18:39
 Operator : SY/AP
 Sample : M2713-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
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Quant Time: Jun 17 01:48:52 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) Benzyl Chloride	17.00	91	949	0.045	ppbv #	1
72) 4-Ethyltoluene	15.85	105	45160	0.100	ppbv #	83
73) 1,3,5-Trimethylbenzene	16.01	105	33413	0.076	ppbv	90
74) 1,2,4-Trimethylbenzene	16.77	105	177222	0.393	ppbv #	68
76) 1,4-Dichlorobenzene	17.14	146	6627	0.024	ppbv #	1
77) 1,2-Dichlorobenzene	17.83	146	24177	0.091	ppbv	82
79) Naphthalene	22.21	128	8222	0.022	ppbv #	75
80) Naphthalene,2-methyl-	24.98	142	3733	0.038	ppbv #	74
81) 1,2,4-Trichlorobenzene	21.94	180	6240	0.029	ppbv #	1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL037176.D

Acq: 16 Jun 2021 18:39

Instrument :

MSVOA_L

ClientSampleId :

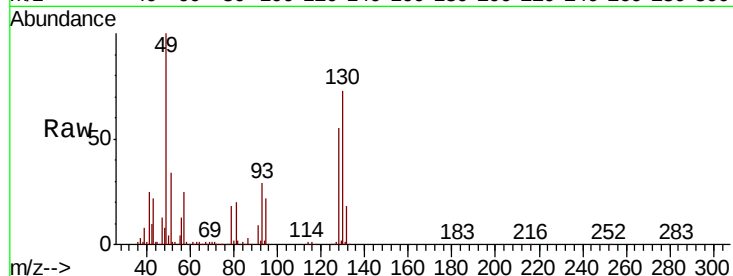
Tot Ion: 49 Resp: 1361553

Ion Ratio Lower Upper

49 100

128 55.8 29.3 88.0

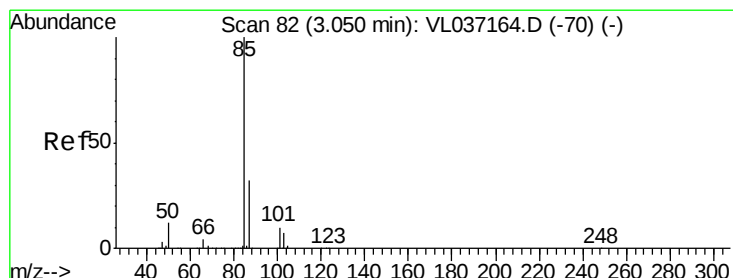
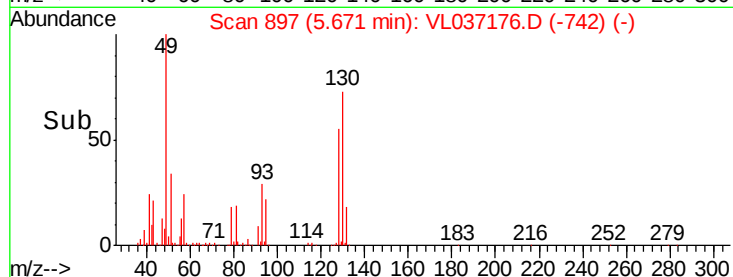
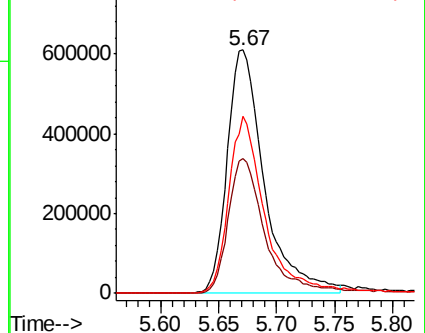
130 71.9 35.9 107.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.269 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL037176.D

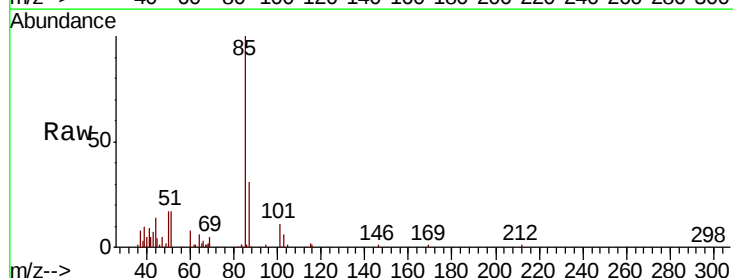
Acq: 16 Jun 2021 18:39

Tgt Ion: 85 Resp: 63602

Ion Ratio Lower Upper

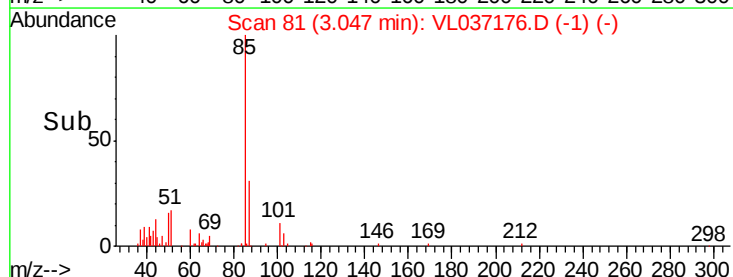
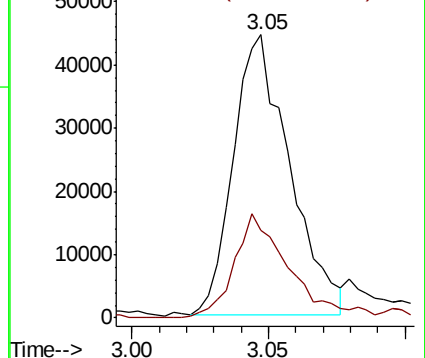
85 100

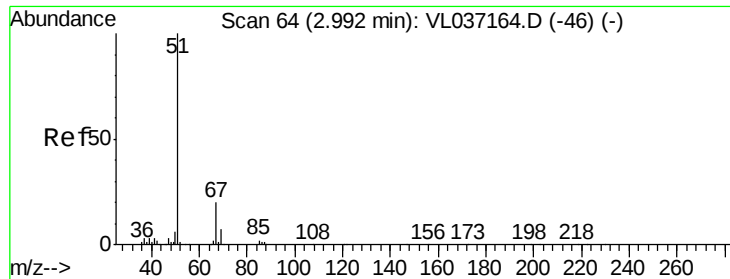
87 30.3 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.130 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.03 min

Lab File: VL037176.D

Acq: 16 Jun 2021 18:39

Instrument :

MSVOA_L

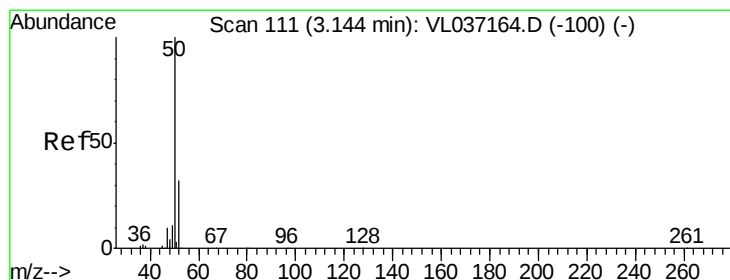
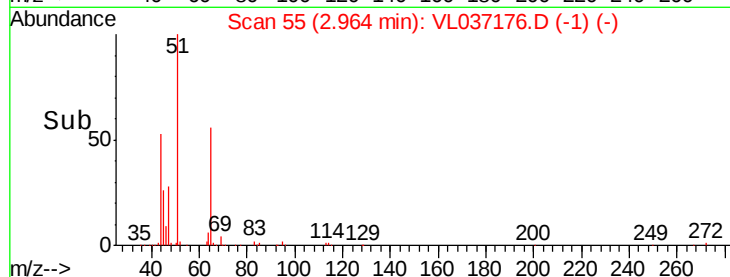
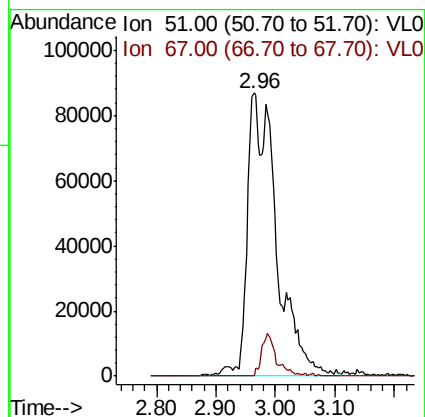
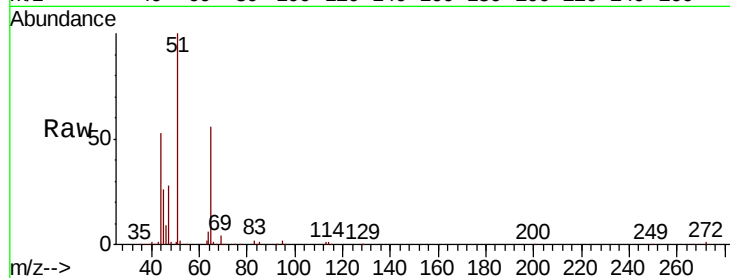
ClientSampleId :

Tot Ion: 51 Resp: 299136

Ion Ratio Lower Upper

51 100

67 8.0 15.8 23.6#



#4

Chloromethane

Concen: 0.485 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL037176.D

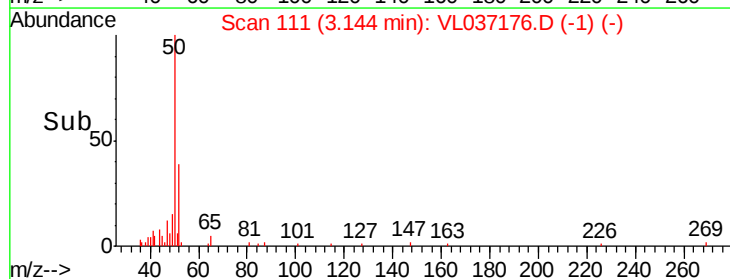
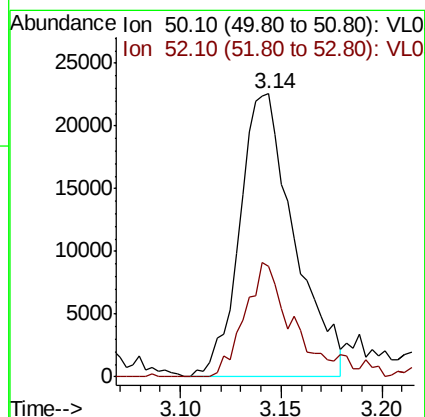
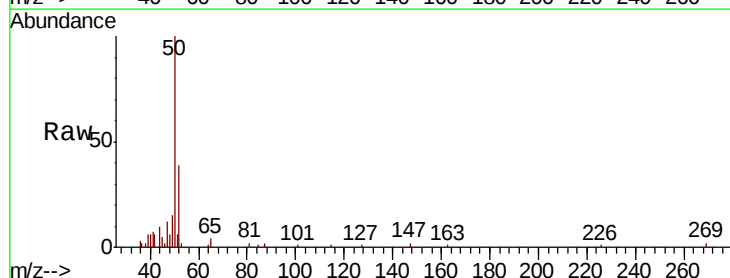
Acq: 16 Jun 2021 18:39

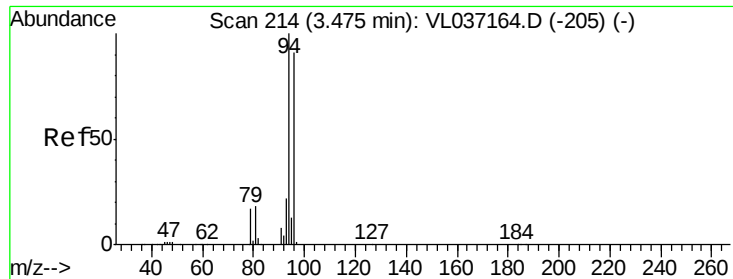
Tgt Ion: 50 Resp: 42764

Ion Ratio Lower Upper

50 100

52 39.0 25.8 38.8#





#6

Bromomethane

Concen: 0.024 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037176.D

Acq: 16 Jun 2021 18:39

Instrument :

MSVOA_L

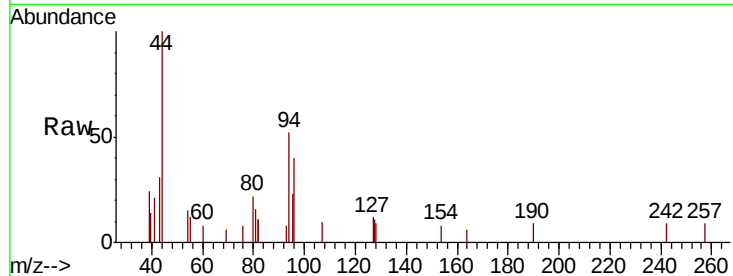
ClientSampleId :

Tot Ion: 94 Resp: 1410

Ion Ratio Lower Upper

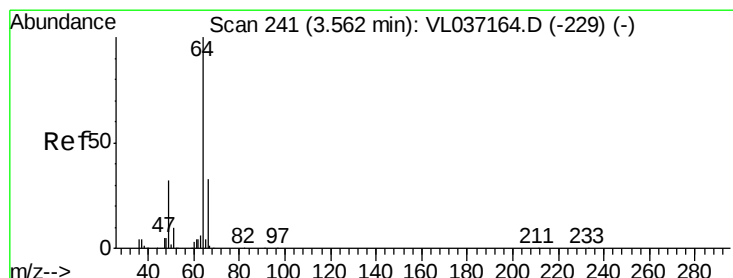
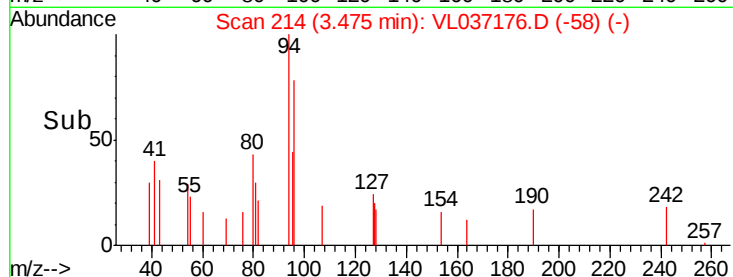
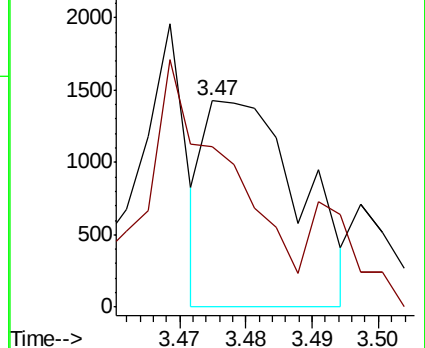
94 100

96 46.2 72.6 108.8#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



#7

Chloroethane

Concen: 0.257 ppbv

RT: 3.56 min Scan# 240

Delta R.T. -0.00 min

Lab File: VL037176.D

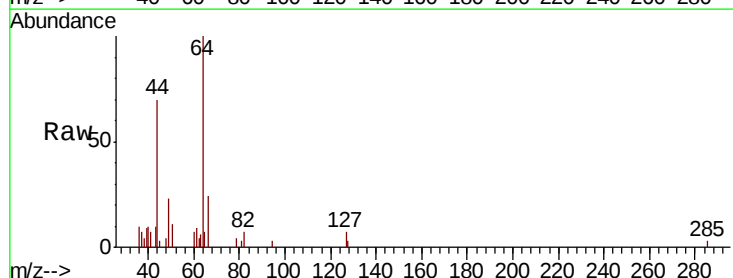
Acq: 16 Jun 2021 18:39

Tgt Ion: 64 Resp: 8904

Ion Ratio Lower Upper

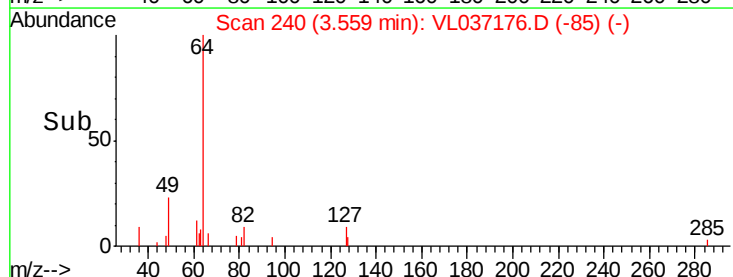
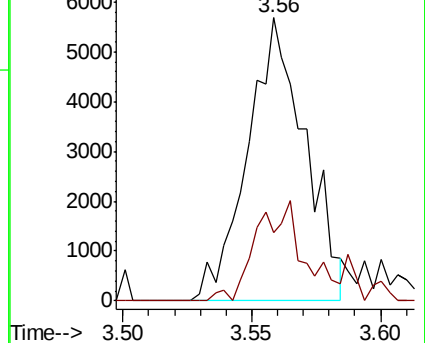
64 100

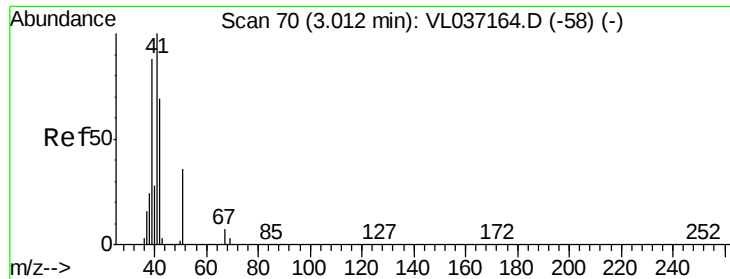
66 22.6 26.2 39.4#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#9

Propene

Concen: 0.217 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL037176.D

Acq: 16 Jun 2021 18:39

Instrument :

MSVOA_L

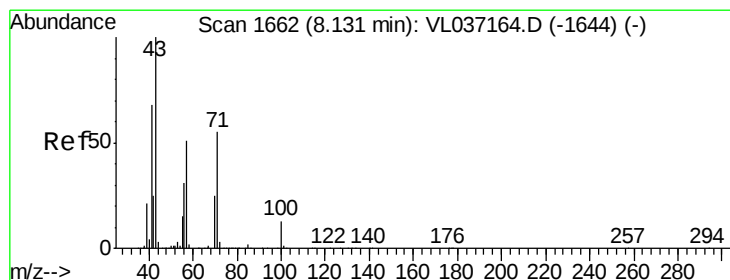
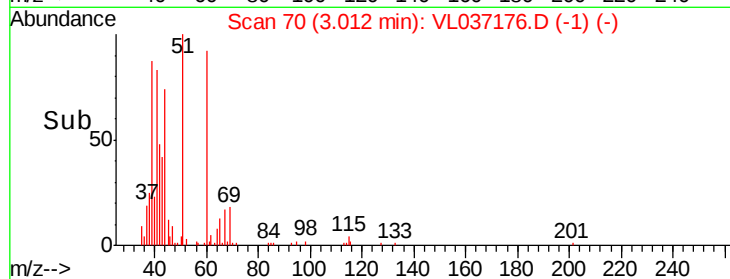
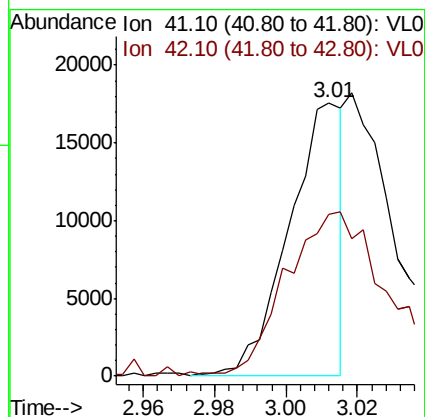
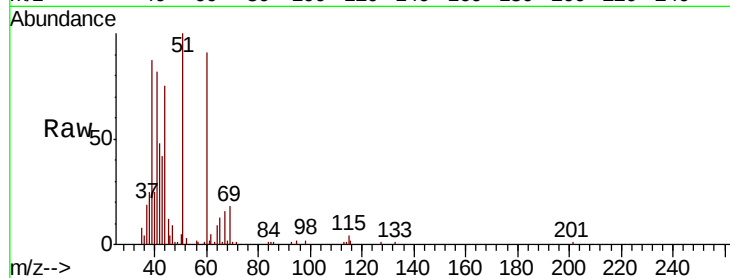
ClientSampleId :

Tot Ion: 41 Resp: 18332

Ion Ratio Lower Upper

41 100

42 0.0 54.5 81.7#



#10

Heptane

Concen: 0.887 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VL037176.D

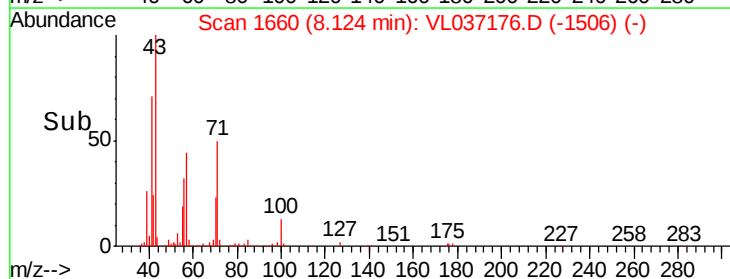
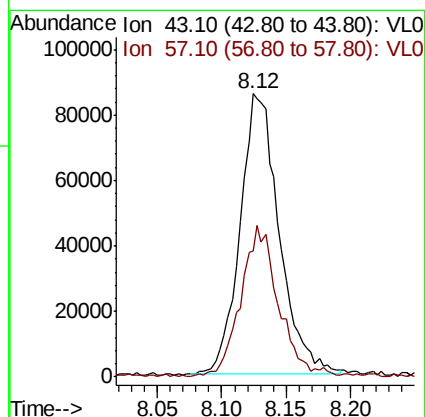
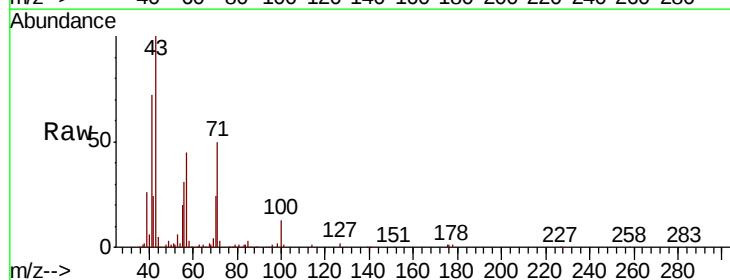
Acq: 16 Jun 2021 18:39

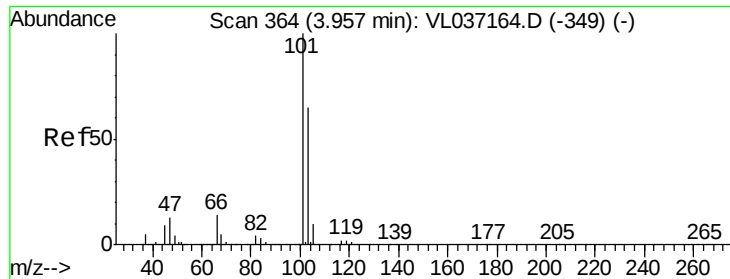
Tgt Ion: 43 Resp: 181944

Ion Ratio Lower Upper

43 100

57 53.1 40.6 61.0

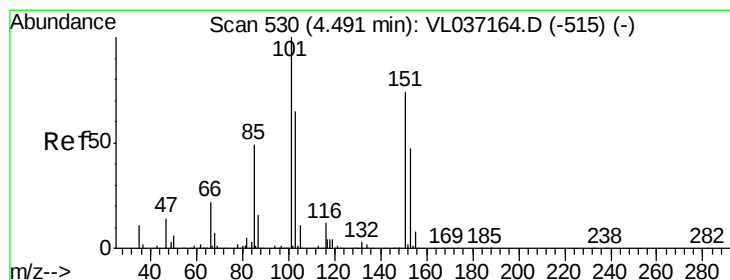
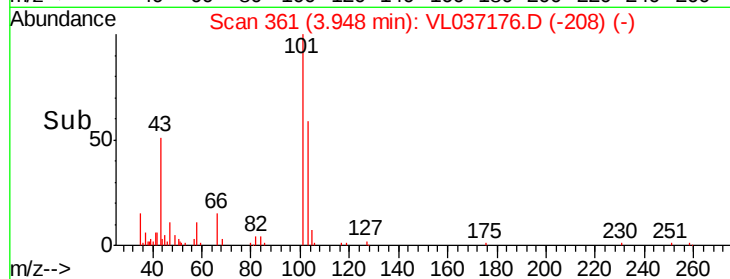
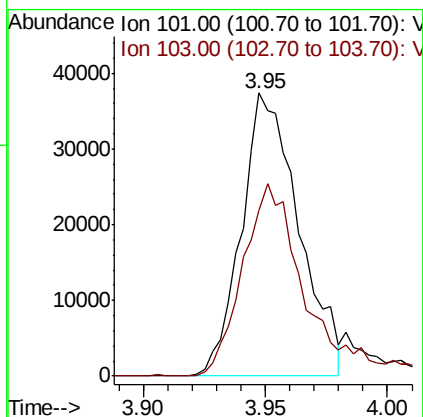
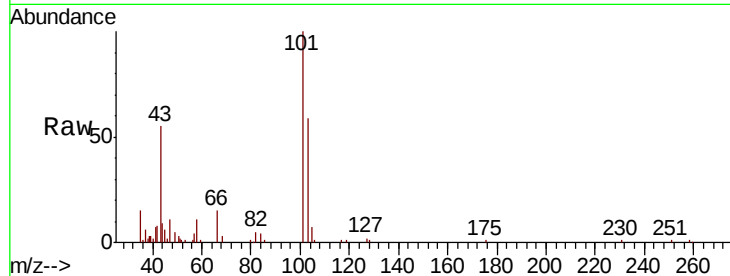




#11
 Trichlorofluoromethane
 Concen: 0.242 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VL037176.D
 Acq: 16 Jun 2021 18:39

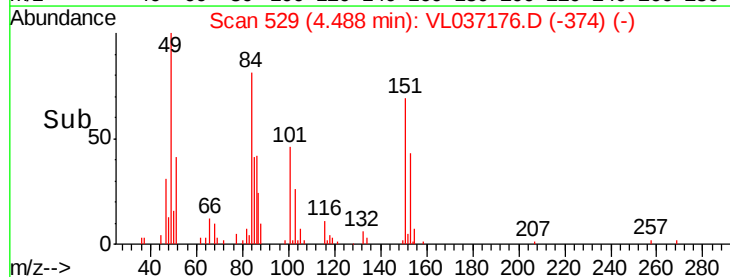
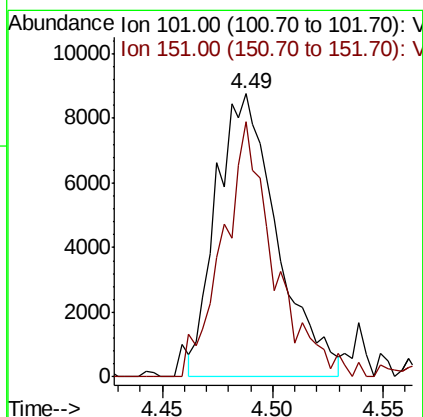
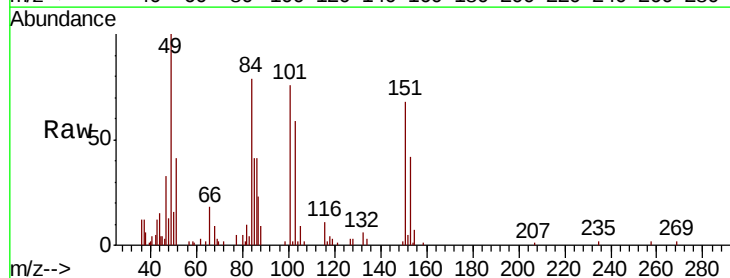
Instrument :
 MSVOA_L
 ClientSampleId :

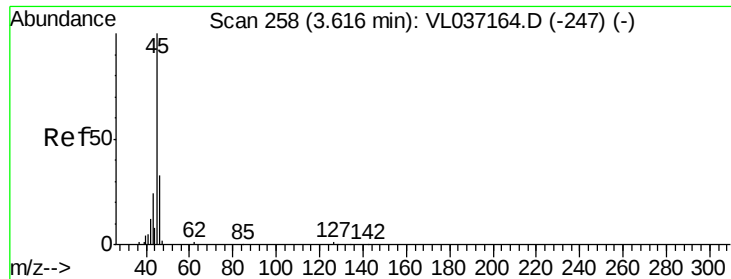
Tot Ion:101 Resp: 61064
 Ion Ratio Lower Upper
 101 100
 103 58.7 52.2 78.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.094 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VL037176.D
 Acq: 16 Jun 2021 18:39

Tgt Ion:101 Resp: 16810
 Ion Ratio Lower Upper
 101 100
 151 78.4 59.1 88.7

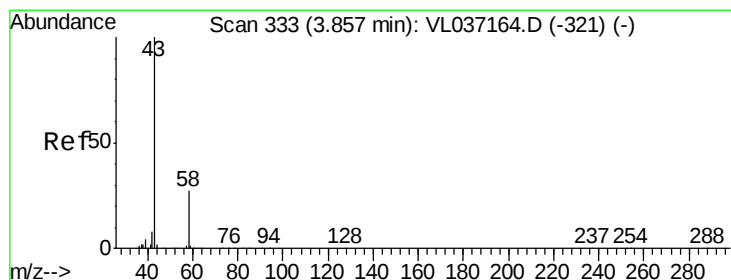
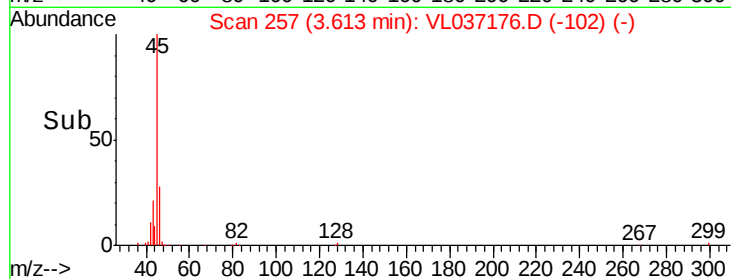
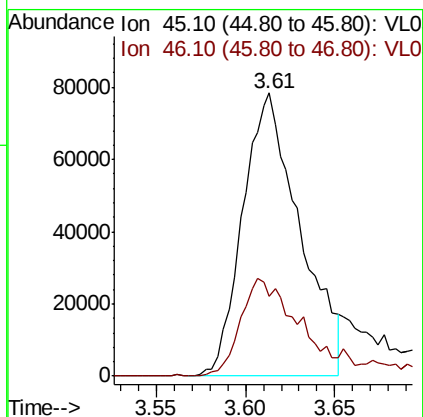
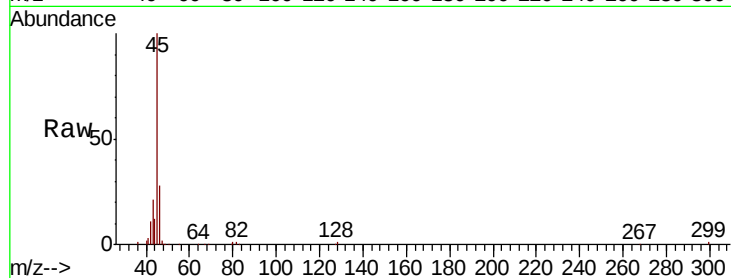




#13
Ethanol
Concen: 13.366 ppbv
RT: 3.61 min Scan# 257
Delta R.T. -0.00 min
Lab File: VL037176.D
Acq: 16 Jun 2021 18:39

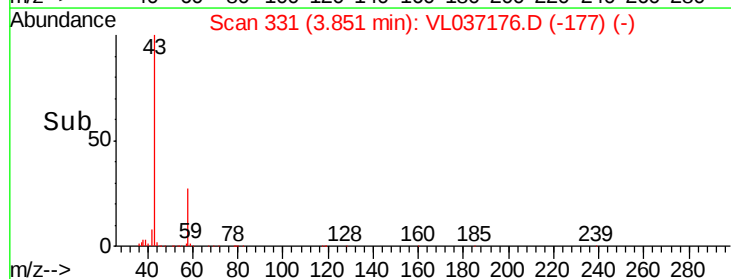
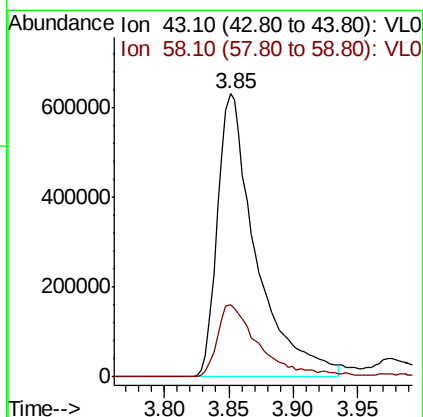
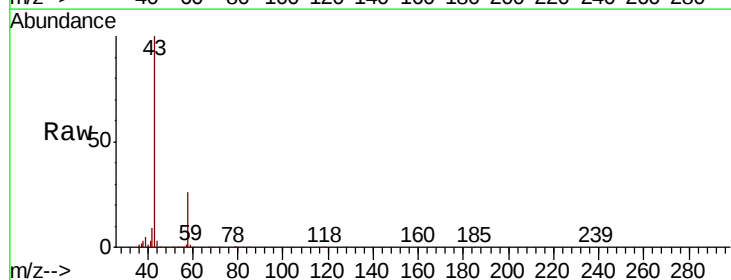
Instrument :
MSVOA_L
ClientSampleId :

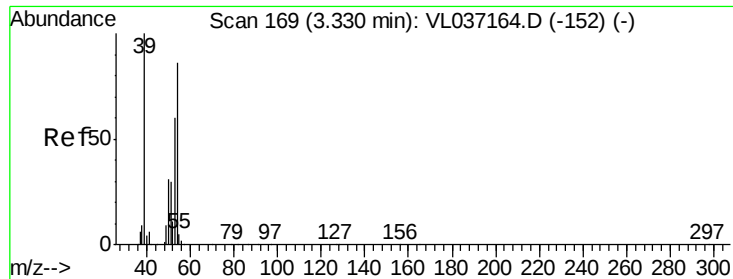
Tot Ion: 45 Resp: 175030
Ion Ratio Lower Upper
45 100
46 42.3 34.2 137.0



#15
Acetone
Concen: 8.532 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL037176.D
Acq: 16 Jun 2021 18:39

Tgt Ion: 43 Resp: 1309937
Ion Ratio Lower Upper
43 100
58 28.1 23.7 35.5





#16

1,3-Butadiene

Concen: 0.434 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.02 min

Lab File: VL037176.D

Acq: 16 Jun 2021 18:39

Instrument :

MSVOA_L

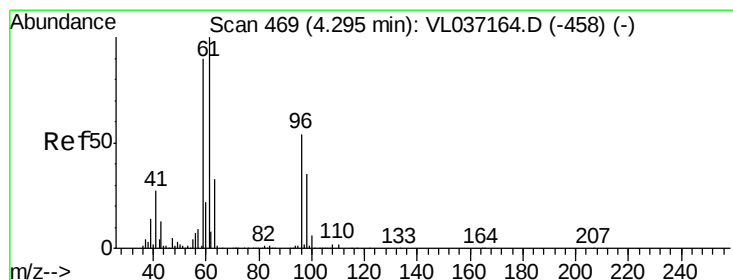
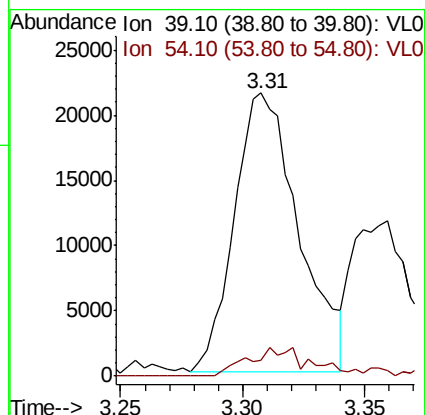
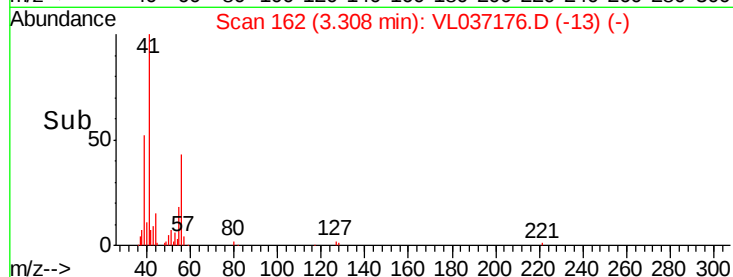
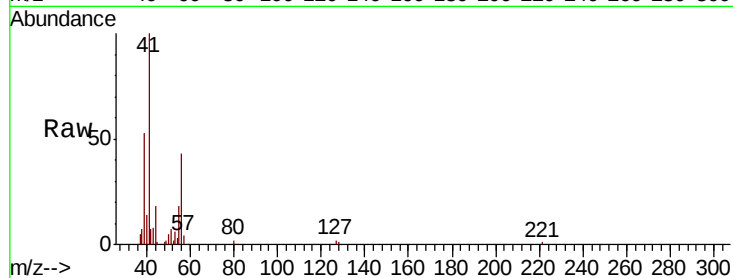
ClientSampleId :

Tot Ion: 39 Resp: 39366

Ion Ratio Lower Upper

39 100

54 11.1 61.2 91.8#



#17

tert-Butyl alcohol

Concen: 0.151 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.01 min

Lab File: VL037176.D

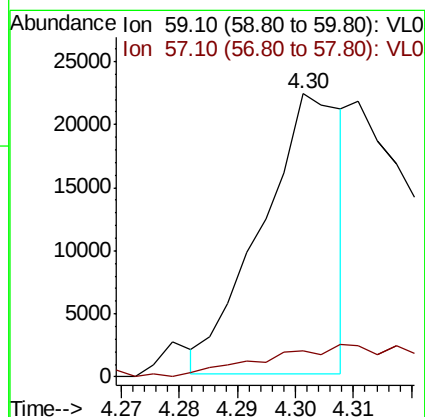
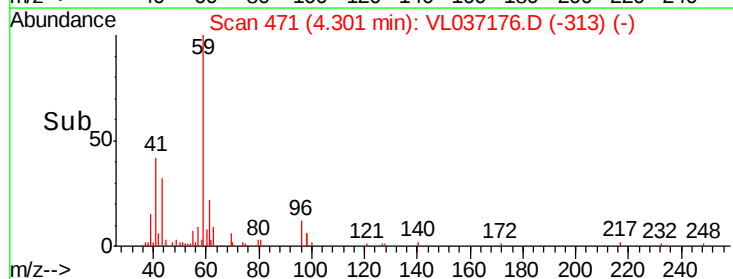
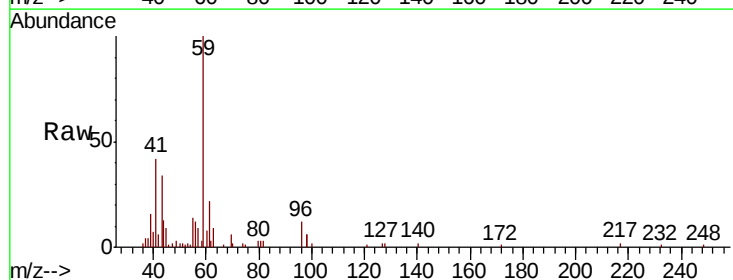
Acq: 16 Jun 2021 18:39

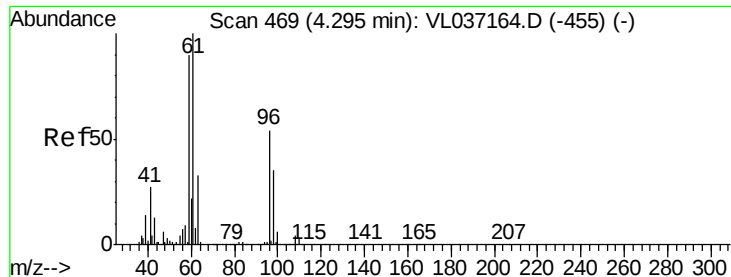
Tgt Ion: 59 Resp: 21372

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#





#18

1,1-Dichloroethene

Concen: 0.031 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.01 min

Lab File: VL037176.D

Acq: 16 Jun 2021 18:39

Instrument :

MSVOA_L

ClientSampleId :

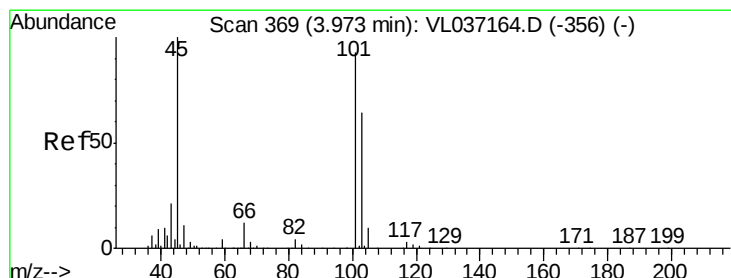
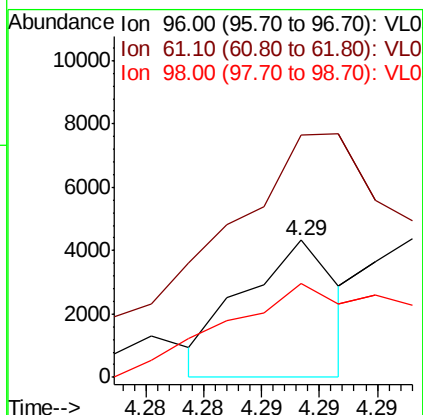
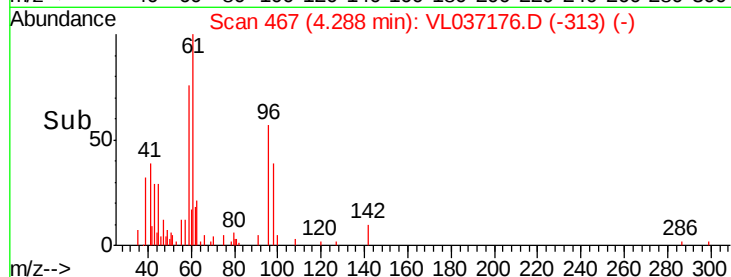
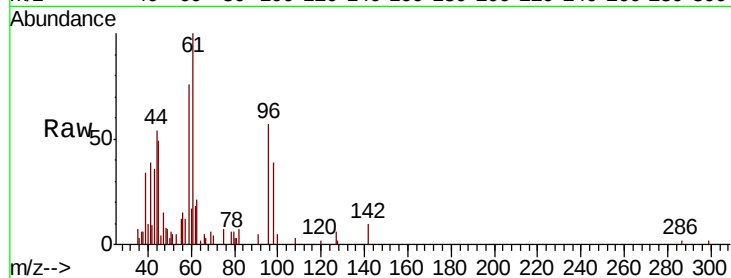
Tot Ion: 96 Resp: 2437

Ion Ratio Lower Upper

96 100

61 119.0 148.6 222.8#

98 51.6 51.9 77.9#



#19

Isopropyl Alcohol

Concen: 2.681 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.00 min

Lab File: VL037176.D

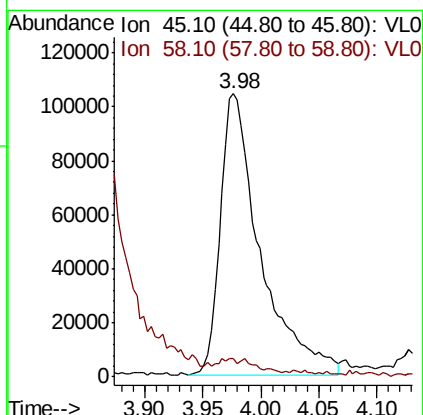
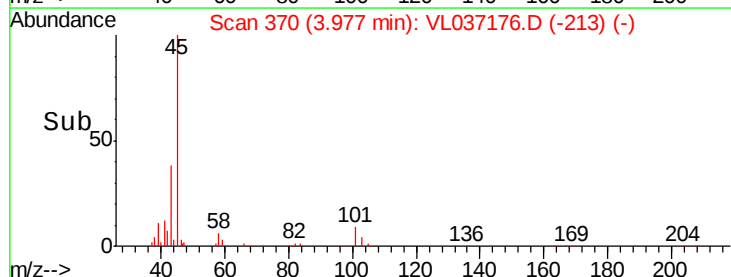
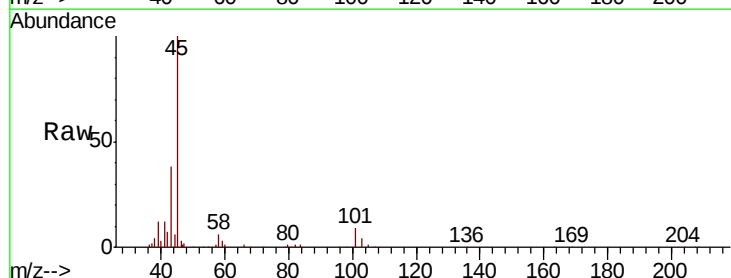
Acq: 16 Jun 2021 18:39

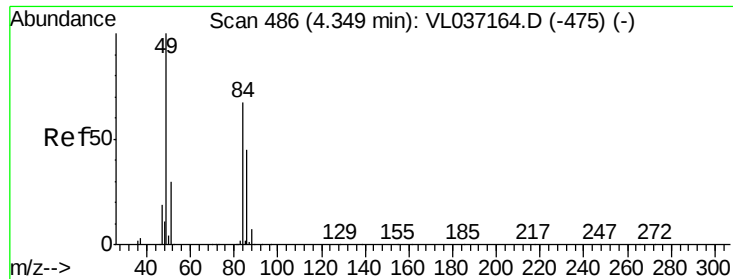
Tgt Ion: 45 Resp: 249297

Ion Ratio Lower Upper

45 100

58 6.1 2.4 3.6#



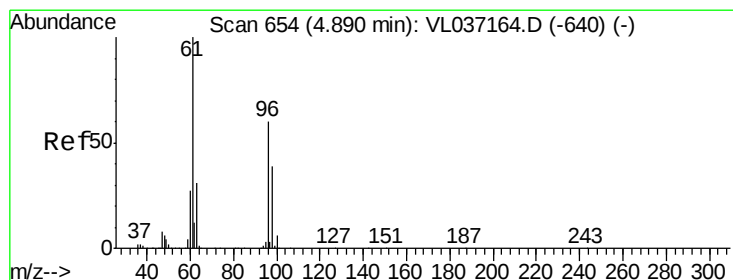
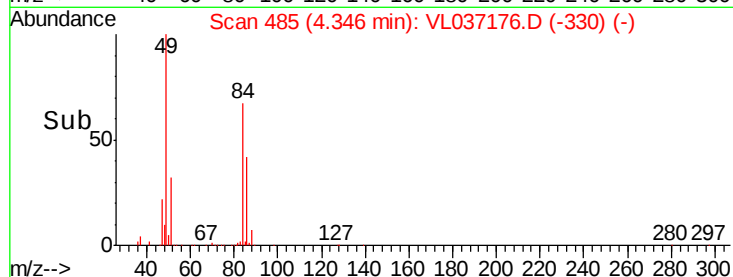
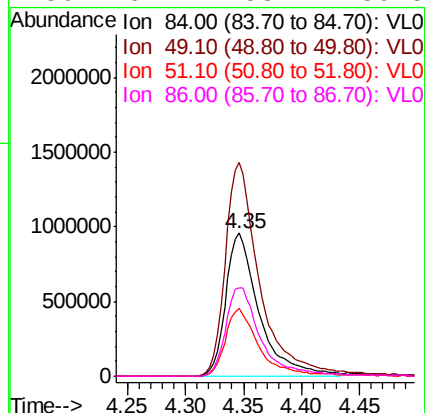
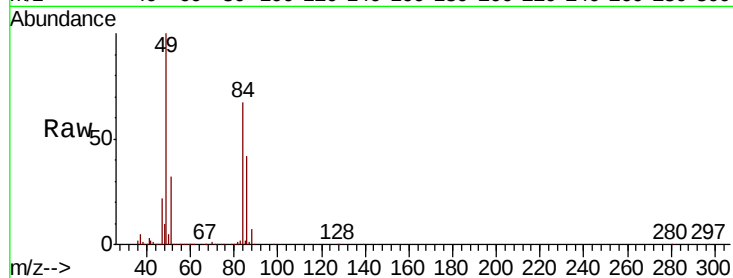


#20
Methylene Chloride
Concen: 20.968 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.00 min
Lab File: VL037176.D
Acq: 16 Jun 2021 18:39

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 1927337

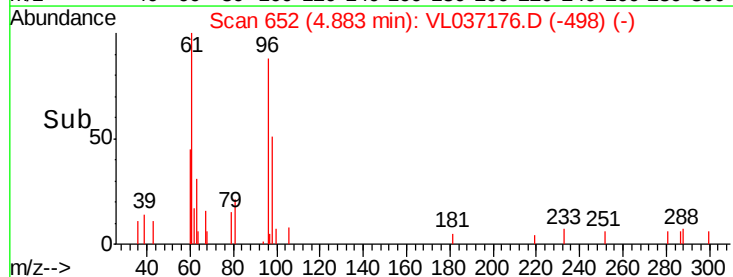
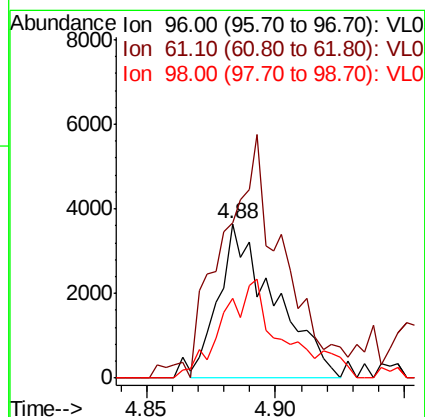
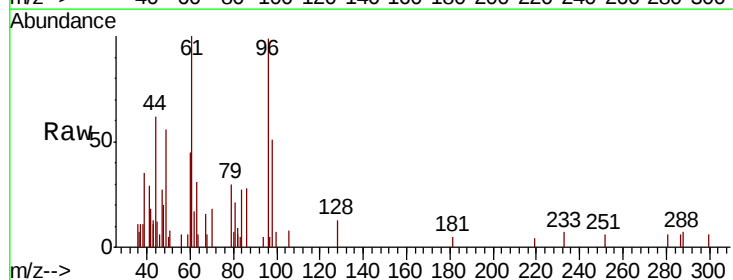
Ion	Ratio	Lower	Upper
84	100		
49	149.1	119.7	179.5
51	47.4	36.1	54.1
86	62.1	53.7	80.5

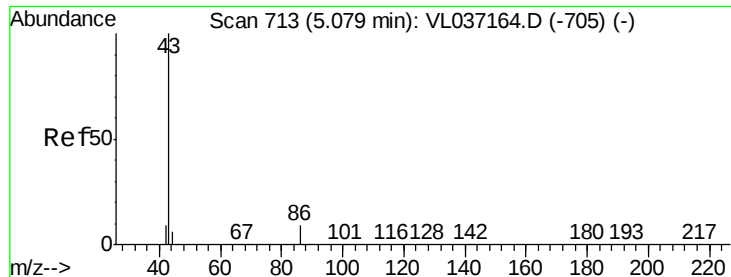


#22
trans-1,2-Dichloroethene
Concen: 0.070 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.01 min
Lab File: VL037176.D
Acq: 16 Jun 2021 18:39

Tgt Ion: 96 Resp: 5485

Ion	Ratio	Lower	Upper
96	100		
61	90.3	133.9	200.9#
98	43.2	52.9	79.3#

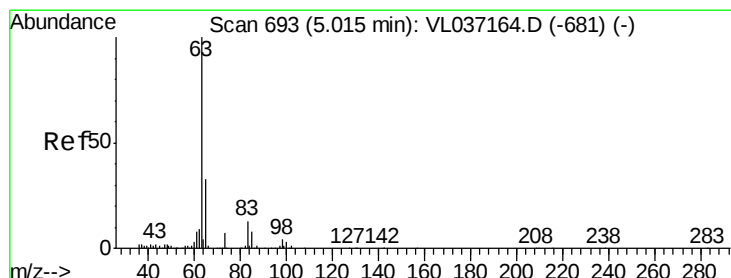
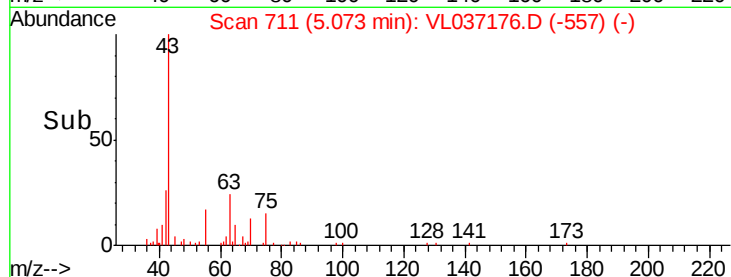
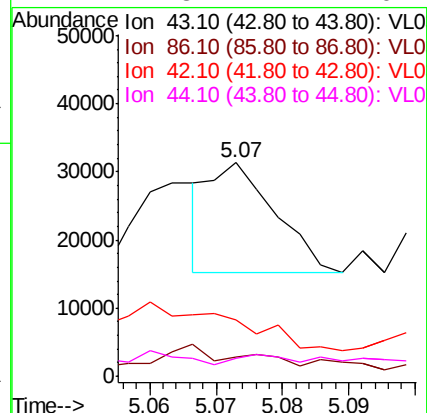
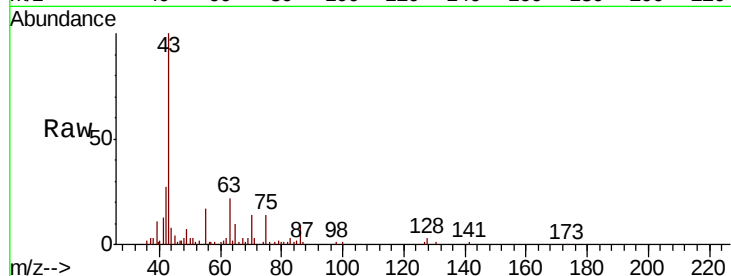




#23
 Vinyl Acetate
 Concen: 0.050 ppbv
 RT: 5.07 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VL037176.D
 Acq: 16 Jun 2021 18:39

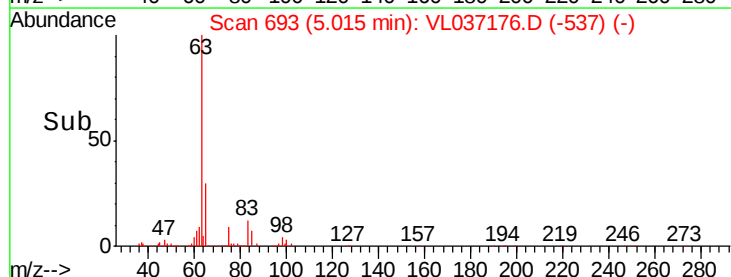
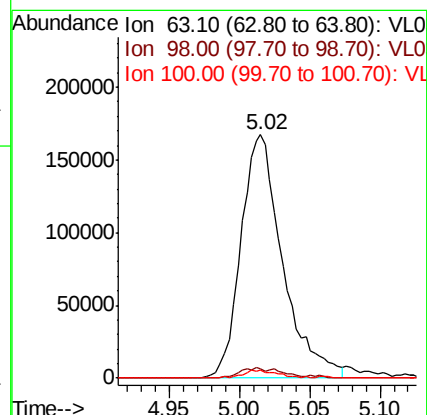
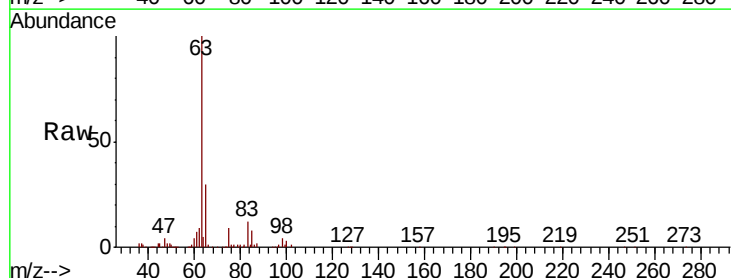
Instrument :
 MSVOA_L
 ClientSampleId :

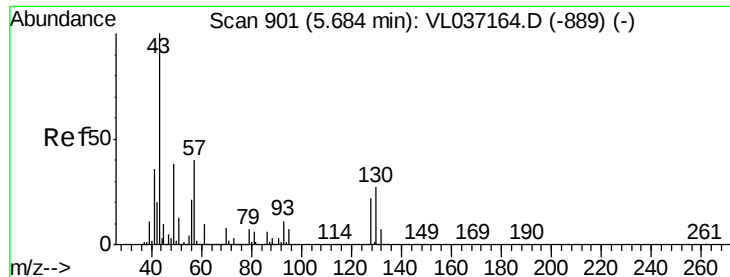
Tot Ion:	43	Resp:	11060
Ion	Ratio	Lower	Upper
43	100		
86	5.3	5.8	8.8#
42	30.6	8.2	12.2#
44	2.3	4.2	6.4#



#24
 1,1-Dichloroethane
 Concen: 1.950 ppbv
 RT: 5.02 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VL037176.D
 Acq: 16 Jun 2021 18:39

Tgt Ion:	63	Resp:	345708
Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.1	6.5
100	3.1	1.4	4.0





#25

Ethyl Acetate

Concen: 2.790 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

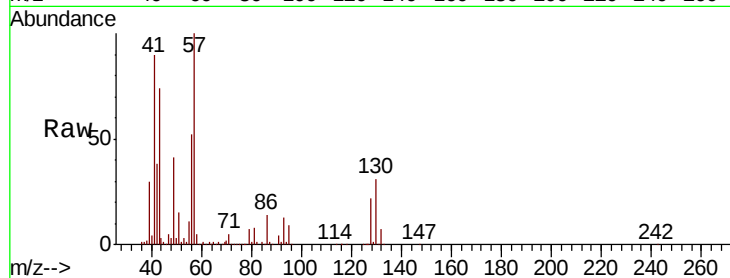
Lab File: VL037176.D

Acq: 16 Jun 2021 18:39

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 927476

Ion	Ratio	Lower	Upper
43	100		
45	1.9	8.0	12.0#
61	1.6	8.1	12.1#
70	2.4	5.5	8.3#



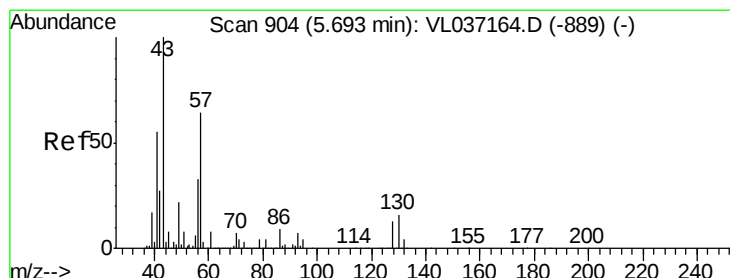
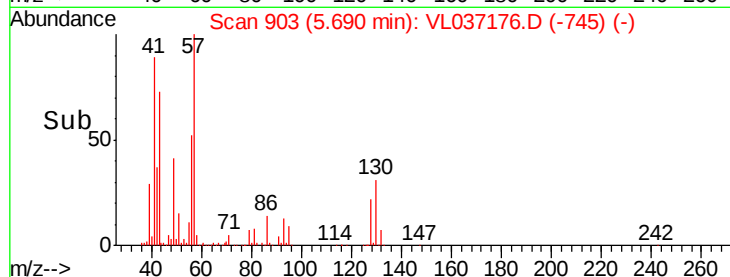
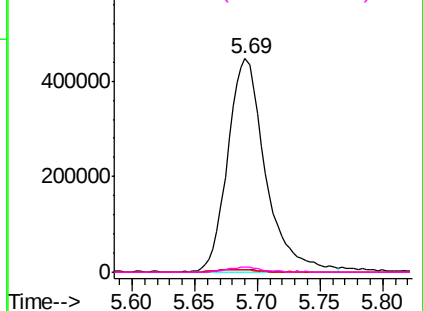
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 7.150 ppbv

RT: 5.69 min Scan# 903

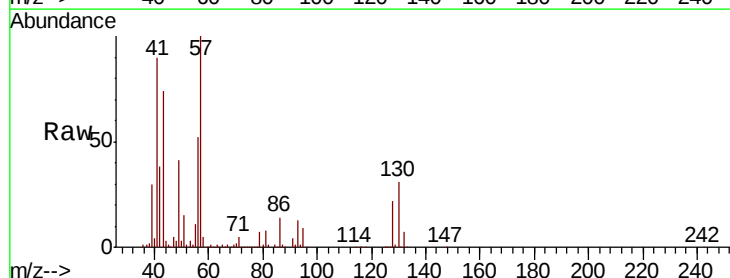
Delta R.T. -0.00 min

Lab File: VL037176.D

Acq: 16 Jun 2021 18:39

Tgt Ion: 57 Resp: 1201166

Ion	Ratio	Lower	Upper
57	100		
41	95.2	73.5	110.3
43	79.3	170.7	256.1#
56	54.8	42.4	63.6



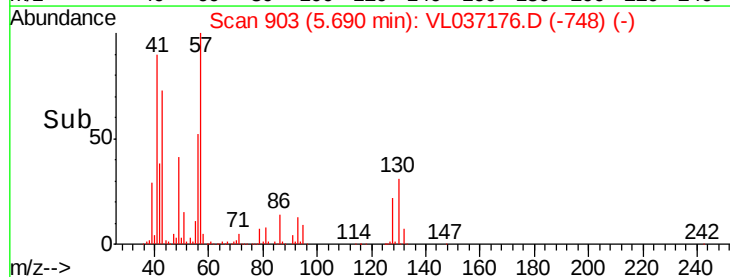
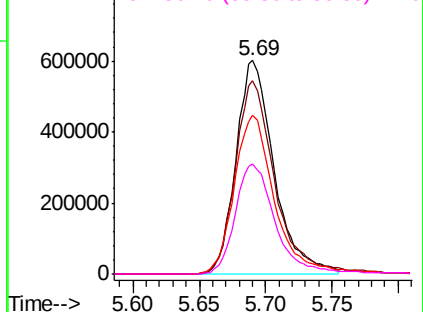
Abundance

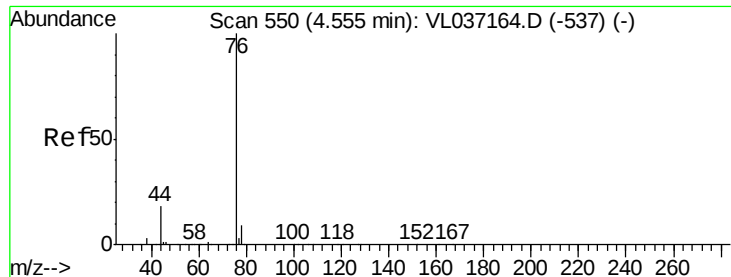
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

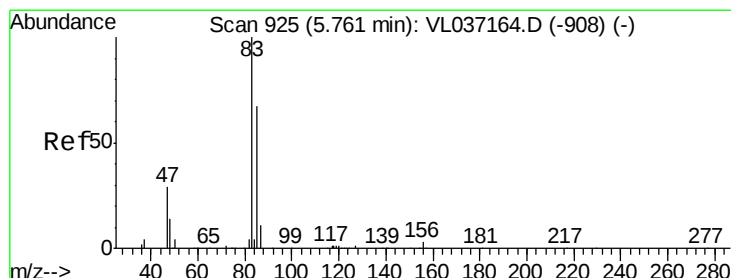
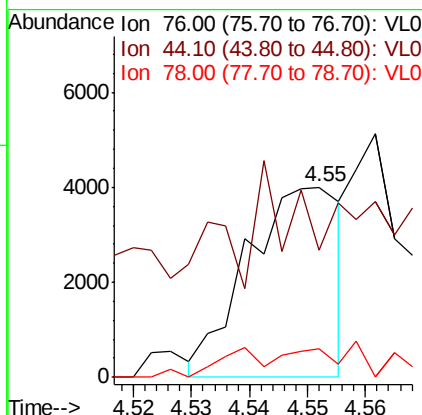
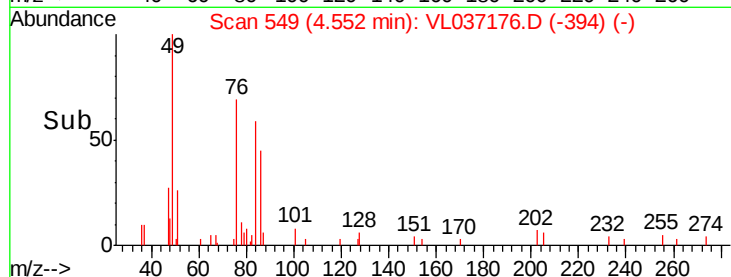
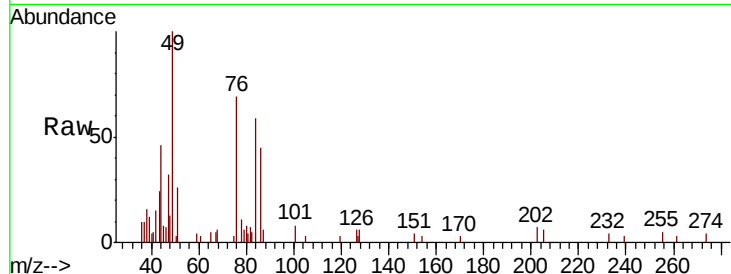




#27
Carbon Disulfide
Concen: 0.027 ppbv
RT: 4.55 min Scan# 549
Delta R.T. -0.00 min
Lab File: VL037176.D
Acq: 16 Jun 2021 18:39

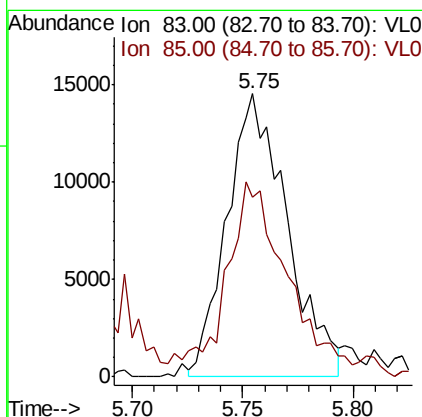
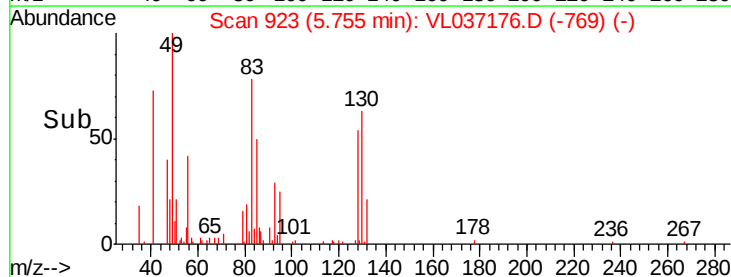
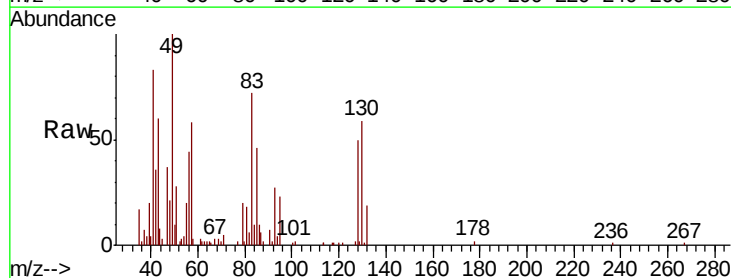
Instrument :
MSVOA_L
ClientSampled :

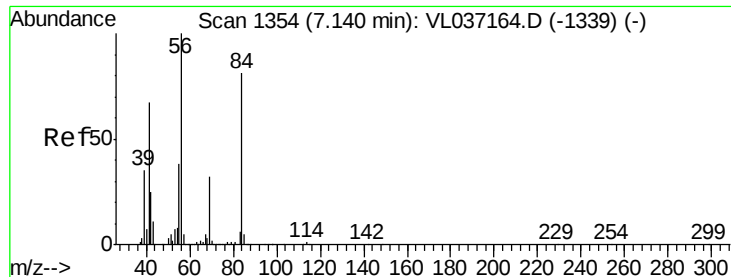
Tot Ion: 76 Resp: 4424
Ion Ratio Lower Upper
76 100
44 128.4 15.4 23.2#
78 0.0 8.0 12.0#



#29
Chloroform
Concen: 0.106 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.01 min
Lab File: VL037176.D
Acq: 16 Jun 2021 18:39

Tgt Ion: 83 Resp: 27515
Ion Ratio Lower Upper
83 100
85 57.8 53.6 80.4

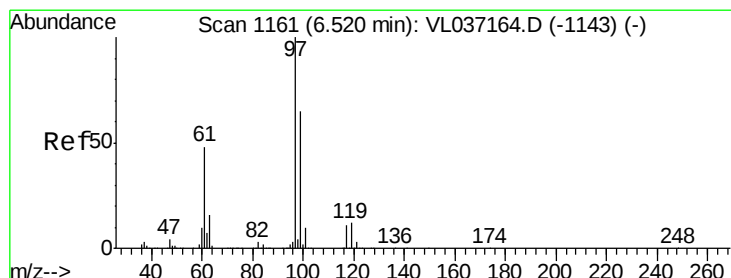
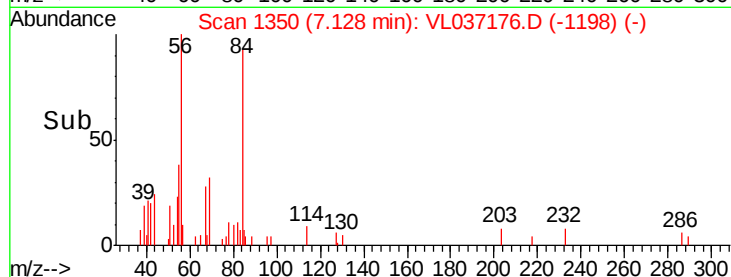
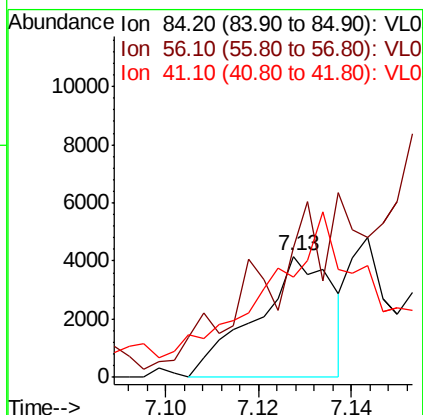
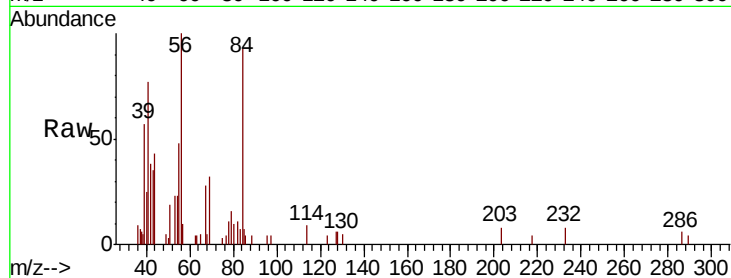




#30
Cyclohexane
Concen: 0.034 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL037176.D
Acq: 16 Jun 2021 18:39

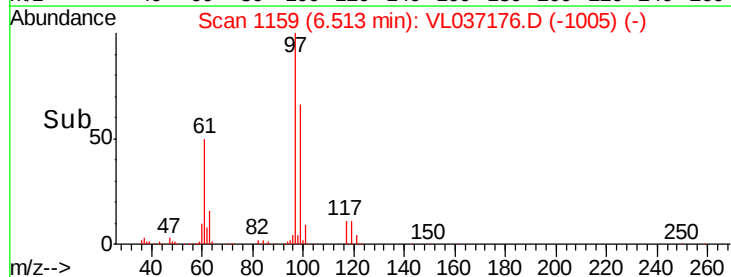
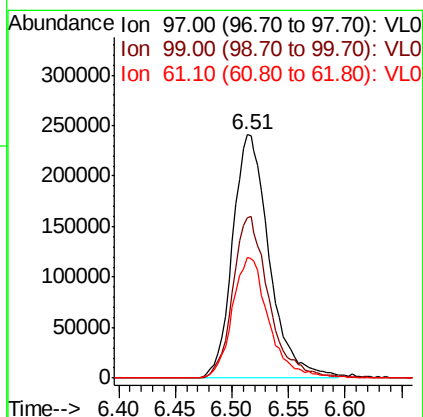
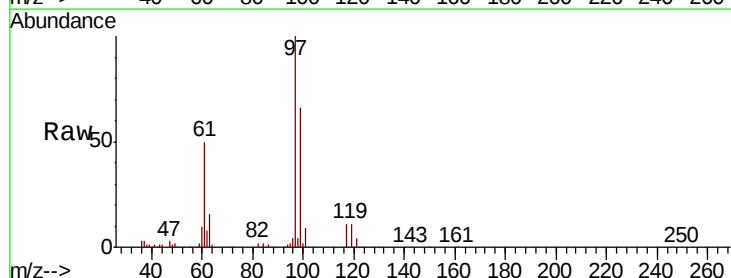
Instrument :
MSVOA_L
ClientSampled :

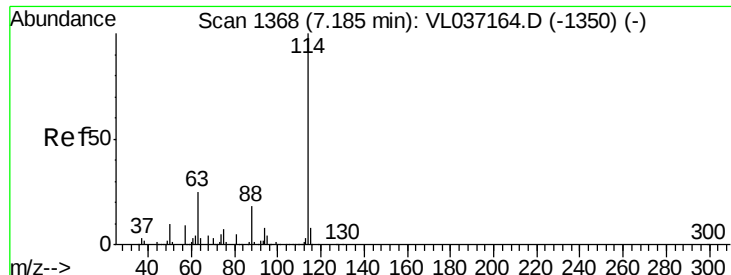
Tot Ion: 84 Resp: 4729
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 191.6 69.0 103.6#



#32
1,1,1-Trichloroethane
Concen: 1.955 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VL037176.D
Acq: 16 Jun 2021 18:39

Tgt Ion: 97 Resp: 542889
Ion Ratio Lower Upper
97 100
99 65.3 52.2 78.4
61 49.5 38.8 58.2

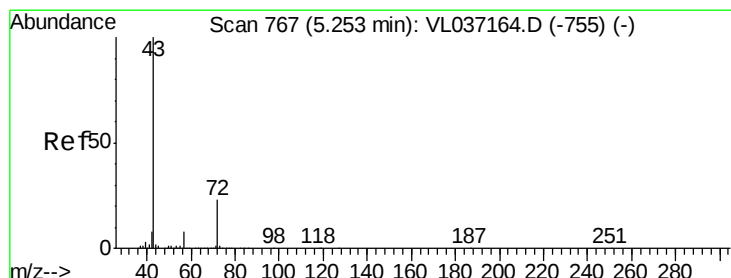
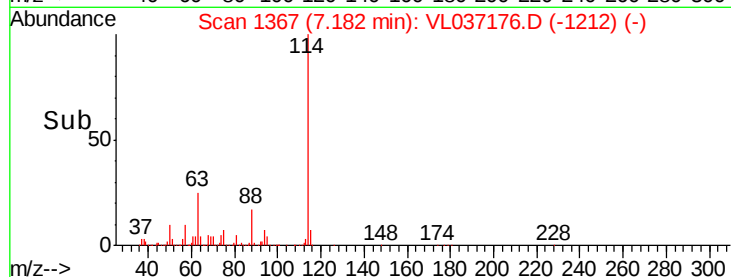
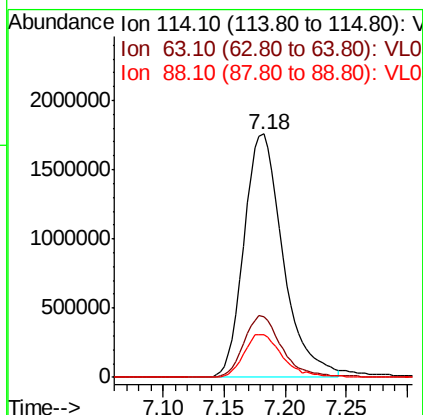
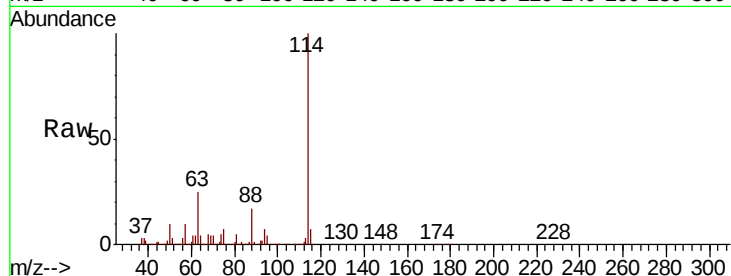




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VL037176.D
 Acq: 16 Jun 2021 18:39

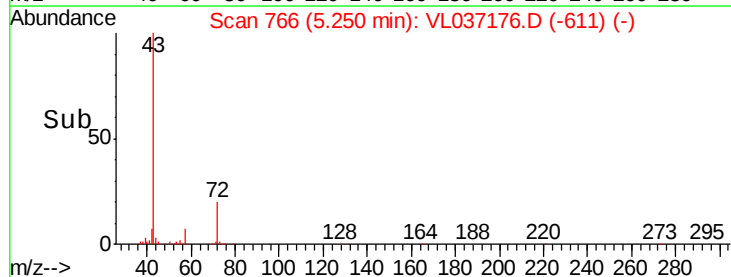
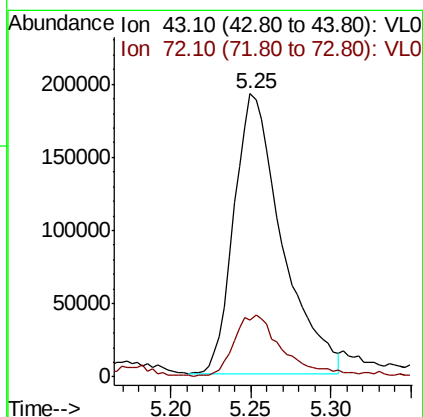
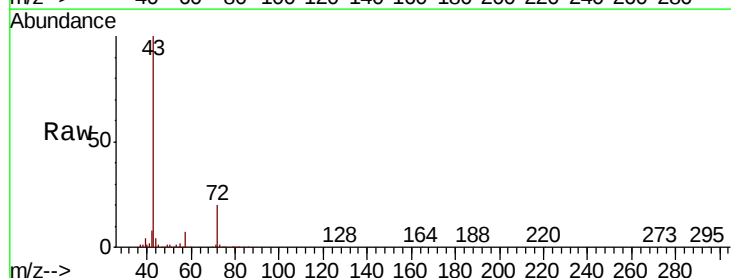
Instrument :
 MSVOA_L
 ClientSampleId :

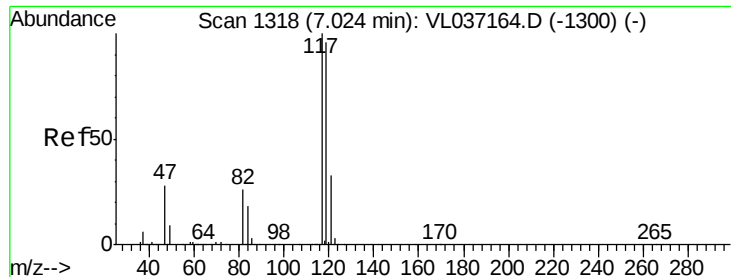
Tot Ion:114 Resp: 3879932
 Ion Ratio Lower Upper
 114 100
 63 24.9 19.6 29.4
 88 17.9 14.2 21.2



#34
 2-Butanone
 Concen: 2.597 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VL037176.D
 Acq: 16 Jun 2021 18:39

Tgt Ion: 43 Resp: 391915
 Ion Ratio Lower Upper
 43 100
 72 23.2 18.9 28.3





#35

Carbon Tetrachloride

Concen: 0.024 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VL037176.D

Acq: 16 Jun 2021 18:39

Instrument :

MSVOA_L

ClientSampleId :

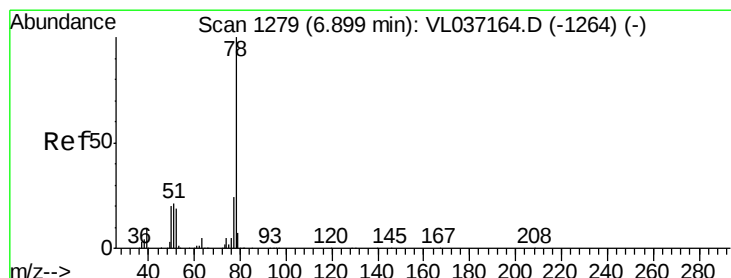
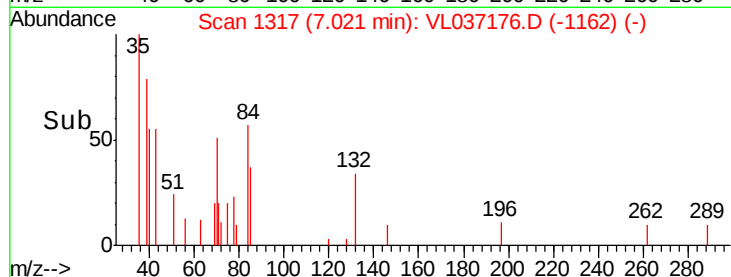
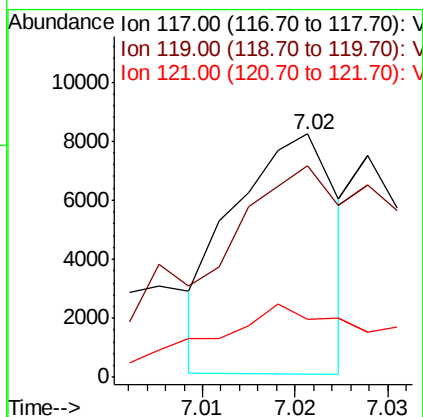
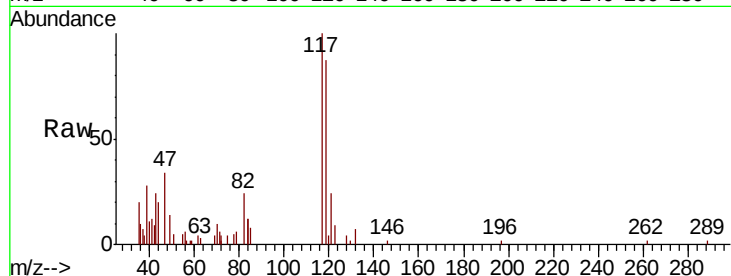
Tot Ion:117 Resp: 6365

Ion Ratio Lower Upper

117 100

119 79.0 76.6 114.8

121 12.9 26.4 39.6#



#36

Benzene

Concen: 0.128 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VL037176.D

Acq: 16 Jun 2021 18:39

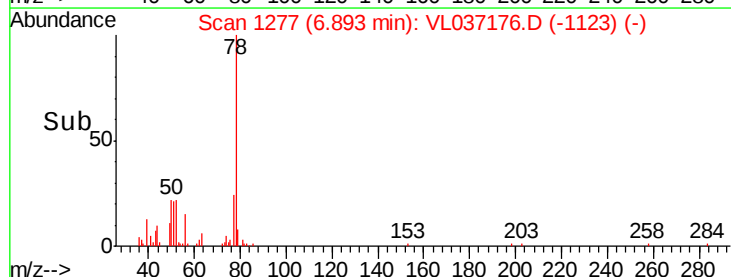
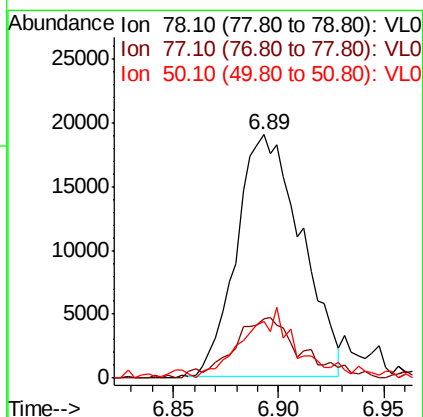
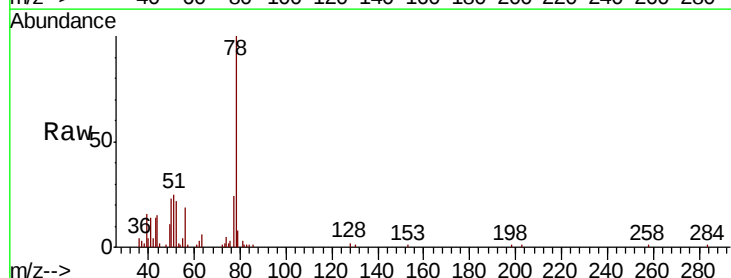
Tgt Ion: 78 Resp: 40269

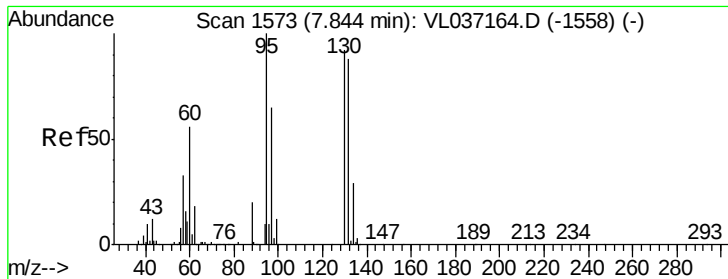
Ion Ratio Lower Upper

78 100

77 21.7 19.0 28.6

50 21.9 15.7 23.5

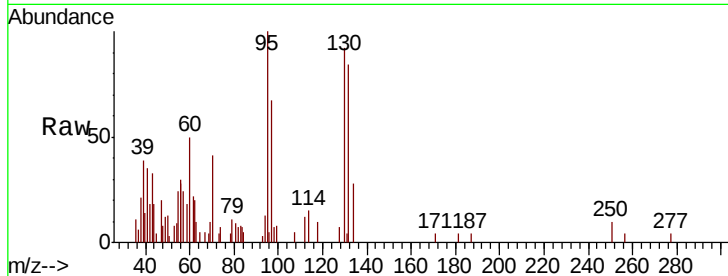




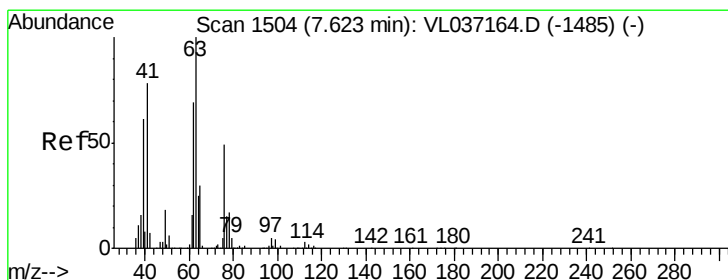
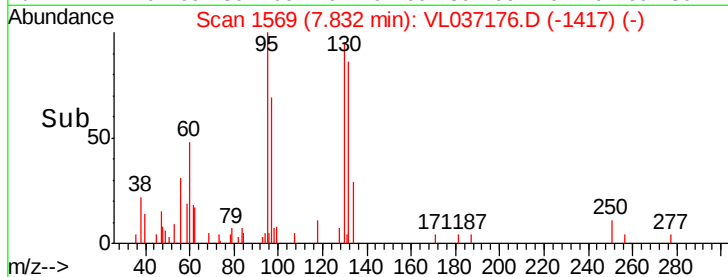
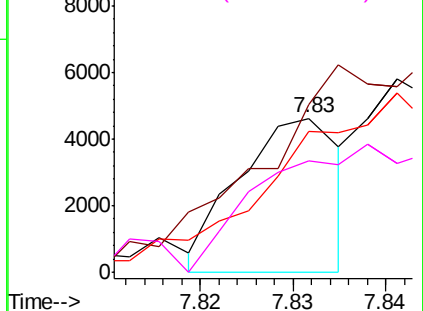
#38
 Trichloroethene
 Concen: 0.024 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL037176.D
 Acq: 16 Jun 2021 18:39

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:130	Resp:	3509
Ion	Ratio	Lower Upper
130	100	
95	86.6	86.6 129.8
132	80.4	76.6 114.8
97	82.9	56.1 84.1

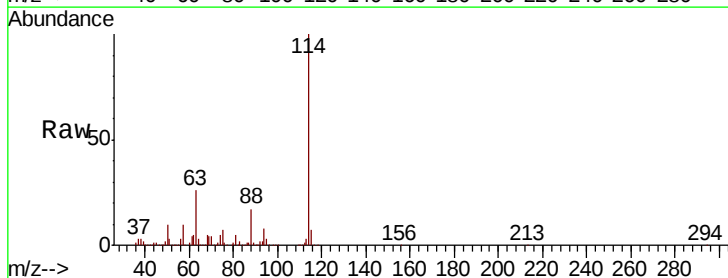


Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

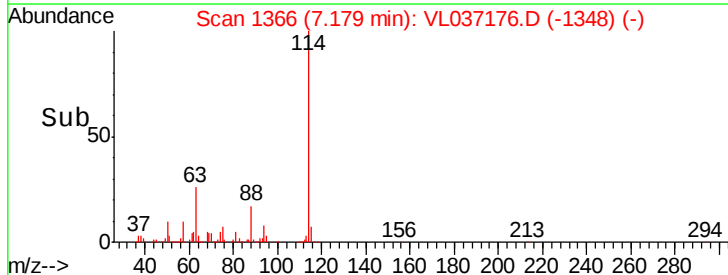
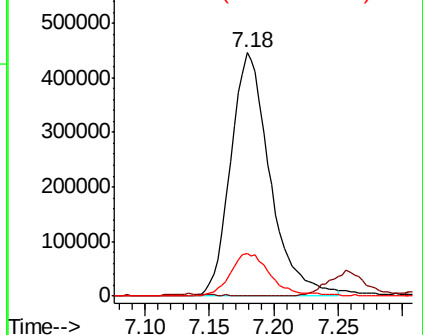


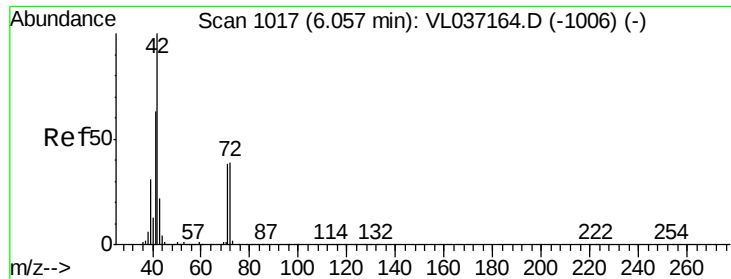
#39
 1,2-Dichloropropane
 Concen: 8.094 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.44 min
 Lab File: VL037176.D
 Acq: 16 Jun 2021 18:39

Tgt Ion: 63	Resp:	943620
Ion	Ratio	Lower Upper
63	100	
41	0.0	62.0 93.0#
62	17.8	54.9 82.3#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

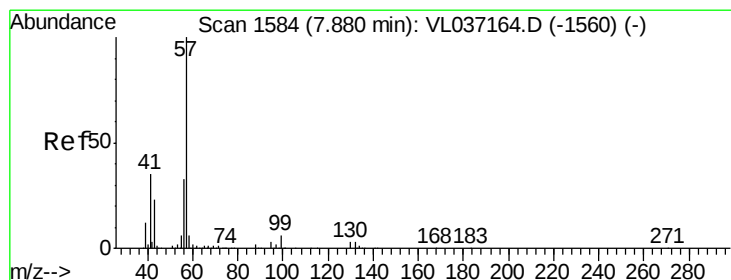
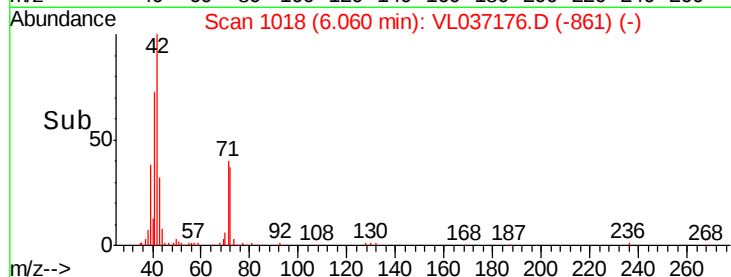
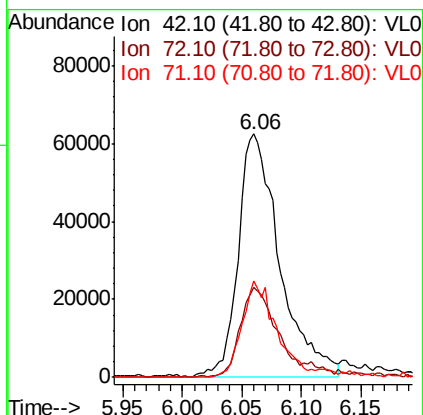
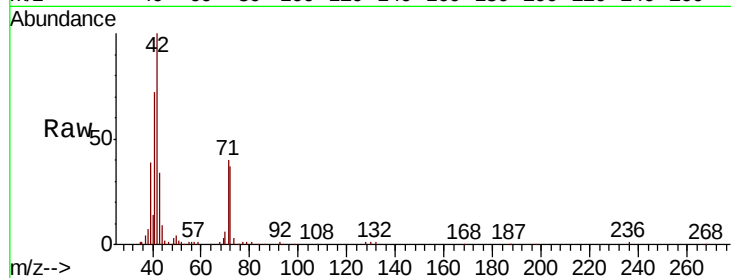




#41
Tetrahydrofuran
Concen: 2.163 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VL037176.D
Acq: 16 Jun 2021 18:39

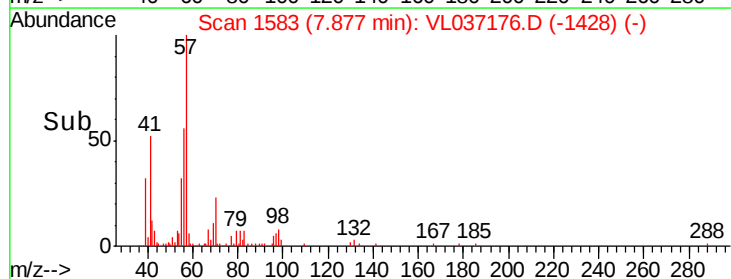
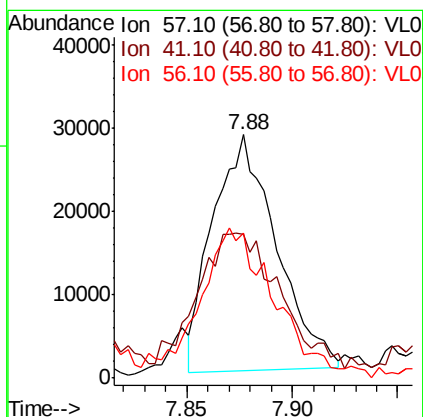
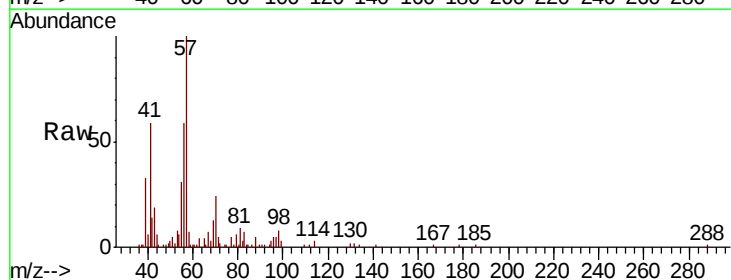
Instrument :
MSVOA_L
ClientSampleId :

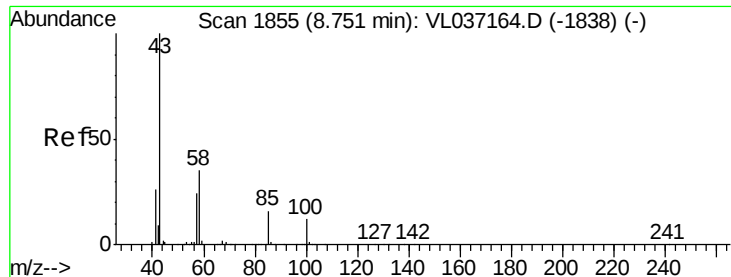
Tot Ion	Ratio	Lower	Upper
42	100		
72	37.1	33.0	49.4
71	35.3	31.0	46.6



#44
2,2,4-Trimethylpentane
Concen: 0.113 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VL037176.D
Acq: 16 Jun 2021 18:39

Tgt Ion	Ratio	Lower	Upper
57	100		
41	81.8	27.6	41.4#
56	74.5	25.3	37.9#

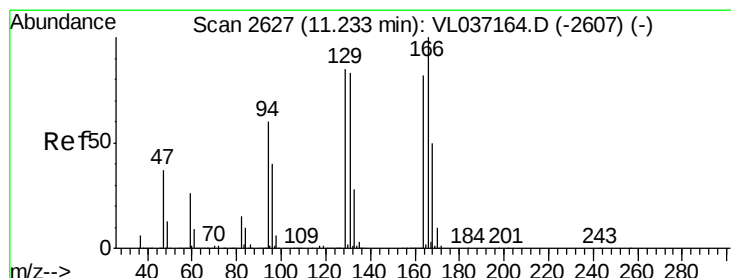
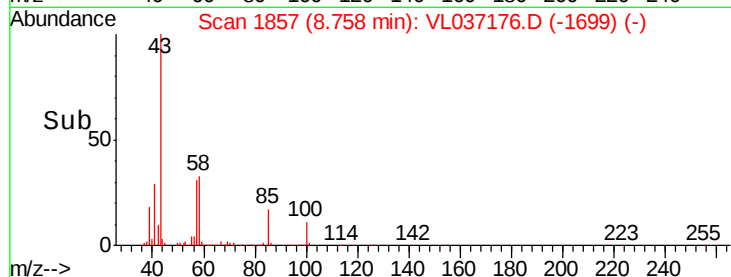
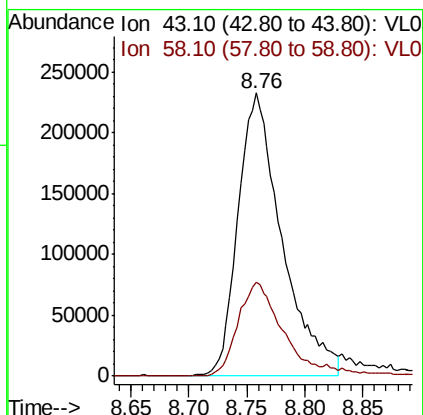
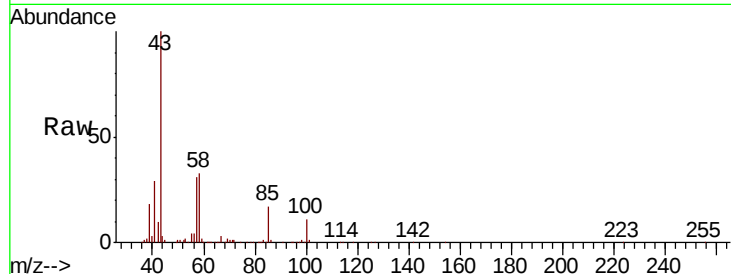




#50
4-Methyl-2-Pentanone
Concen: 2.954 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. 0.01 min
Lab File: VL037176.D
Acq: 16 Jun 2021 18:39

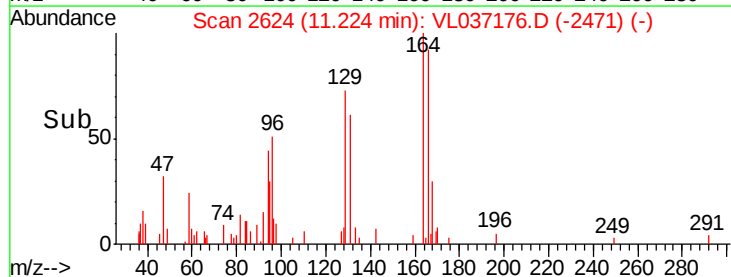
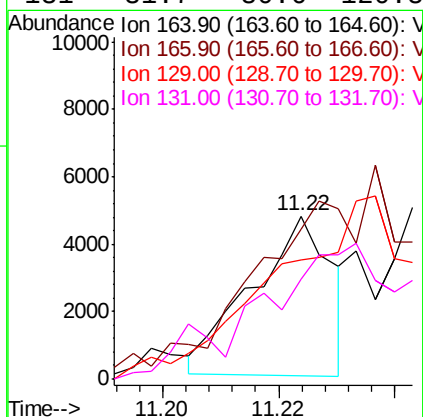
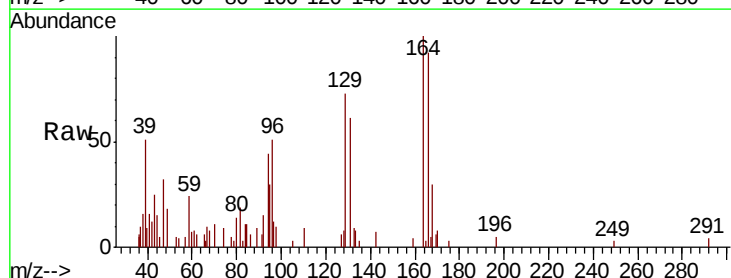
Instrument :
MSVOA_L
ClientSampled :

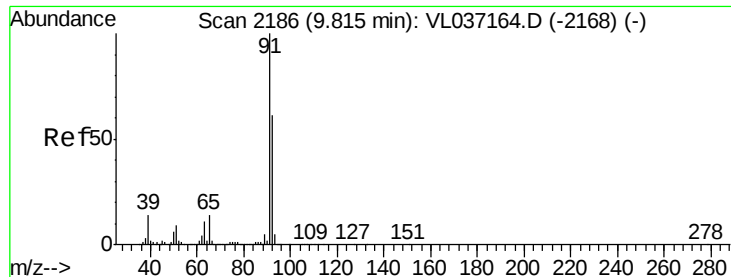
Tot Ion: 43 Resp: 612209
Ion Ratio Lower Upper
43 100
58 36.0 28.4 42.6



#52
Tetrachloroethene
Concen: 0.031 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.01 min
Lab File: VL037176.D
Acq: 16 Jun 2021 18:39

Tgt Ion: 164 Resp: 4511
Ion Ratio Lower Upper
164 100
166 81.3 97.6 146.4#
129 66.3 82.9 124.3#
131 31.7 80.6 120.8#





#53

Toluene

Concen: 8.478 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL037176.D

Acq: 16 Jun 2021 18:39

Instrument :

MSVOA_L

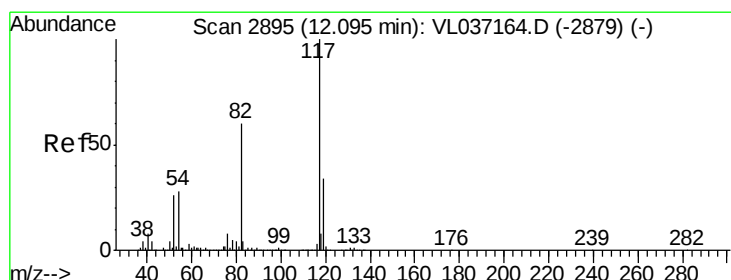
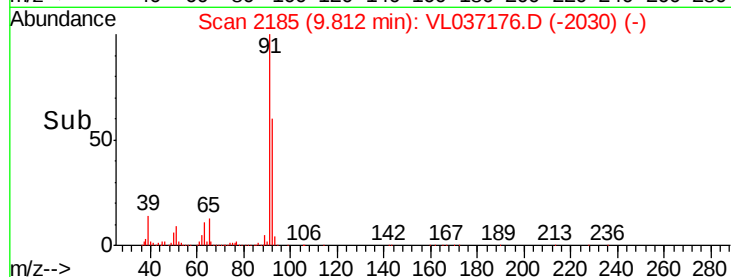
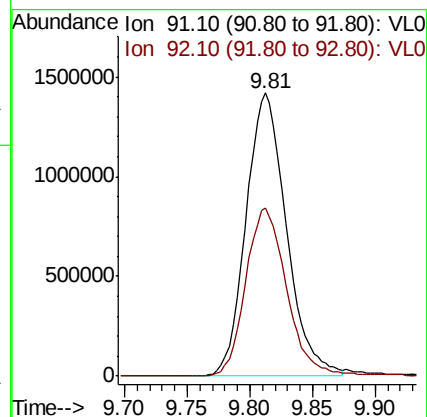
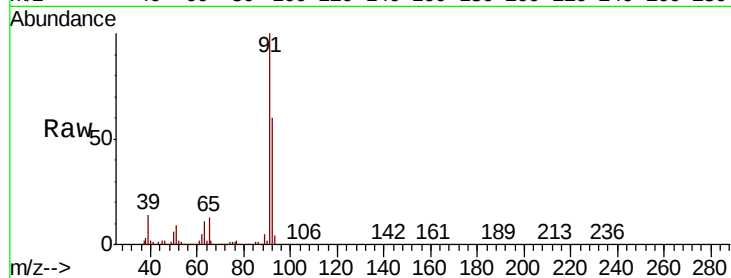
ClientSampleId :

Tot Ion: 91 Resp: 3177178

Ion Ratio Lower Upper

91 100

92 61.1 48.3 72.5



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VL037176.D

Acq: 16 Jun 2021 18:39

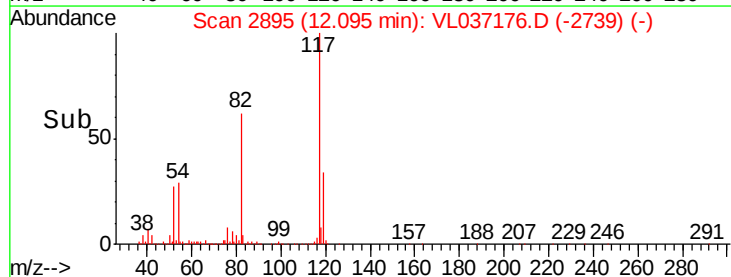
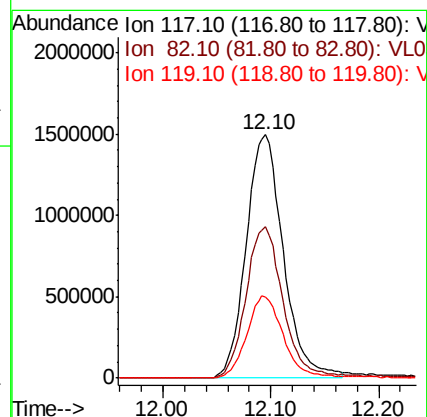
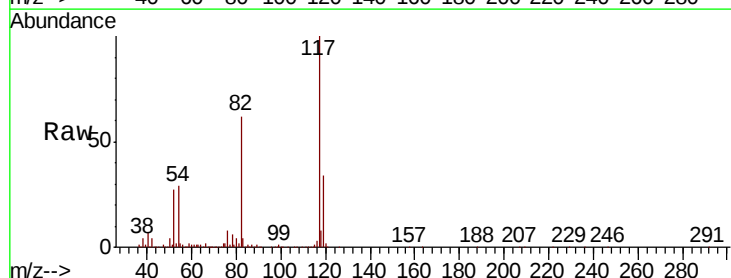
Tgt Ion: 117 Resp: 3587508

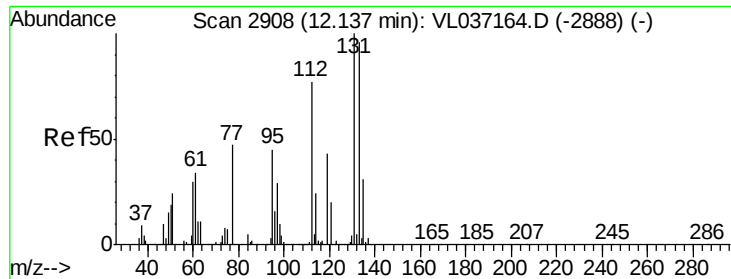
Ion Ratio Lower Upper

117 100

82 63.7 51.7 77.5

119 34.1 47.6 71.4#

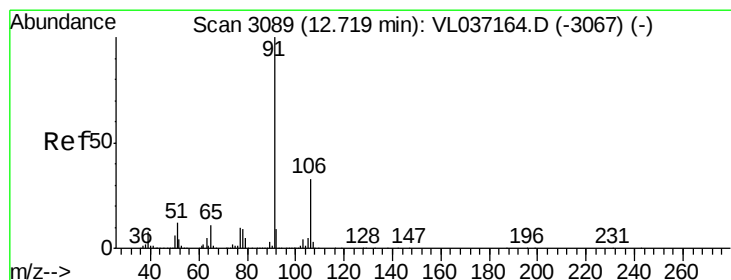
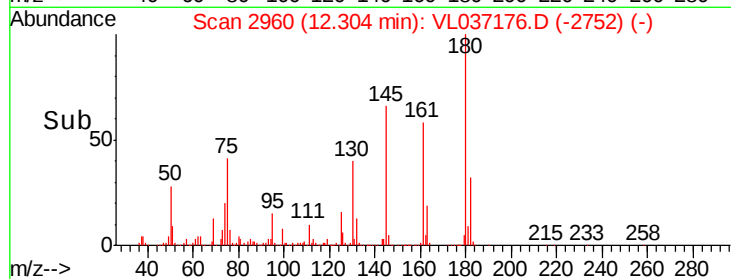
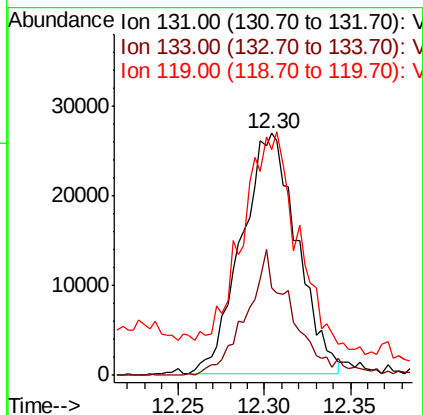
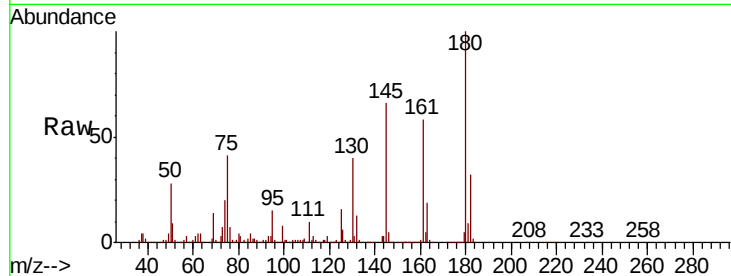




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.386 ppbv
 RT: 12.30 min Scan# 2960
 Delta R.T. 0.17 min
 Lab File: VL037176.D
 Acq: 16 Jun 2021 18:39

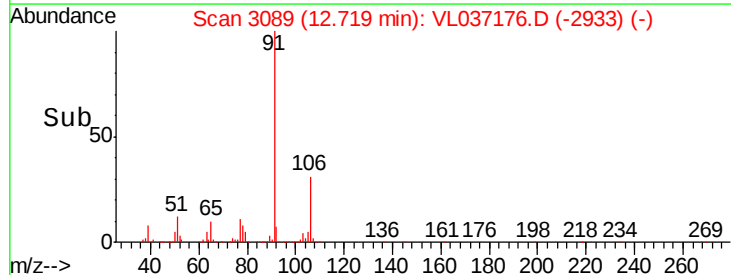
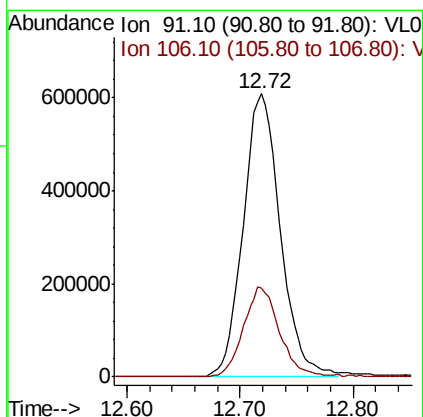
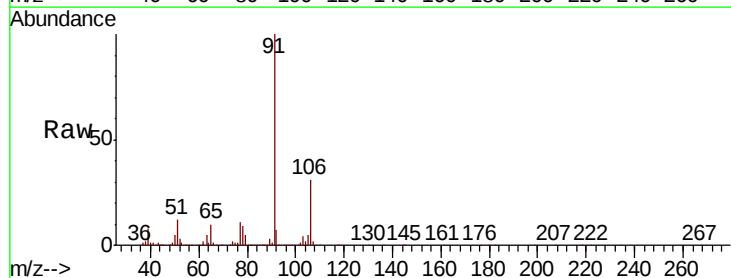
Instrument :
 MSVOA_L
 ClientSampleId :

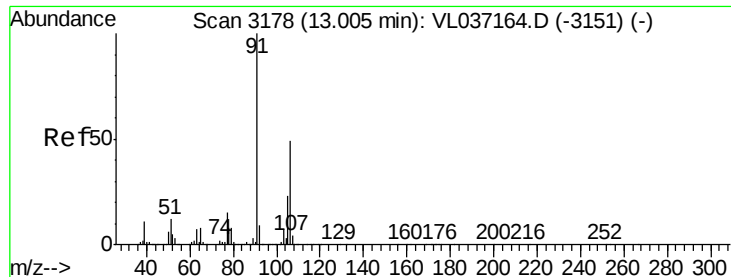
Tot Ion:131 Resp: 60517
 Ion Ratio Lower Upper
 131 100
 133 44.1 76.5 114.7#
 119 102.0 48.6 72.8#



#58
 Ethyl Benzene
 Concen: 2.818 ppbv
 RT: 12.72 min Scan# 3089
 Delta R.T. 0.00 min
 Lab File: VL037176.D
 Acq: 16 Jun 2021 18:39

Tgt Ion: 91 Resp: 1391578
 Ion Ratio Lower Upper
 91 100
 106 31.4 26.3 39.5





#59

m/p-Xylene

Concen: 13.258 ppbv

RT: 12.97 min Scan# 3168

Delta R.T. -0.03 min

Lab File: VL037176.D

Acq: 16 Jun 2021 18:39

Instrument :

MSVOA_L

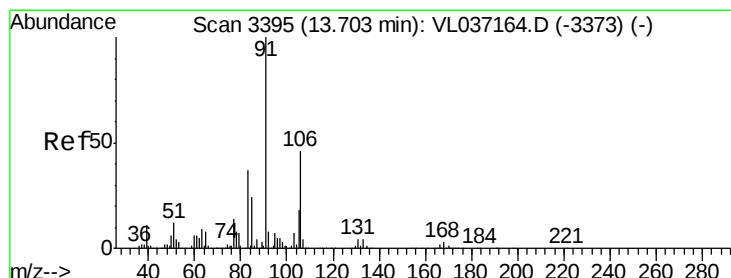
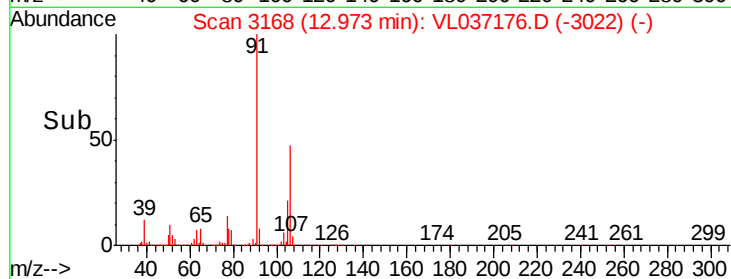
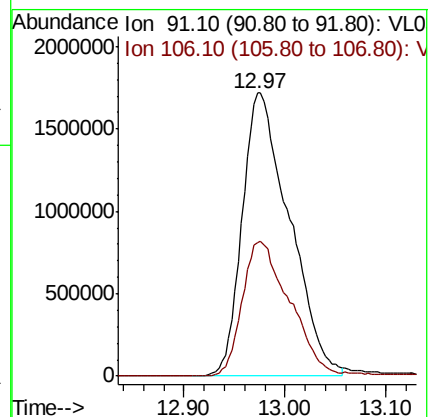
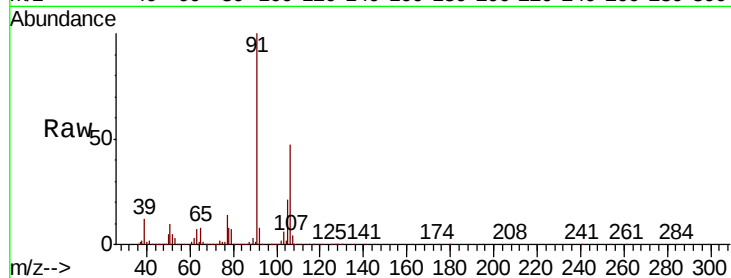
ClientSampleId :

Tot Ion: 91 Resp: 5548831

Ion Ratio Lower Upper

91 100

106 48.8 37.0 55.4



#60

o-Xylene

Concen: 5.974 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VL037176.D

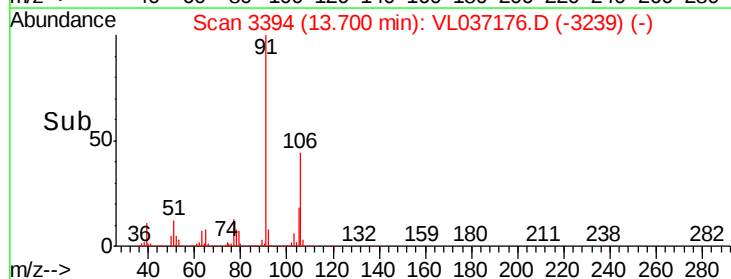
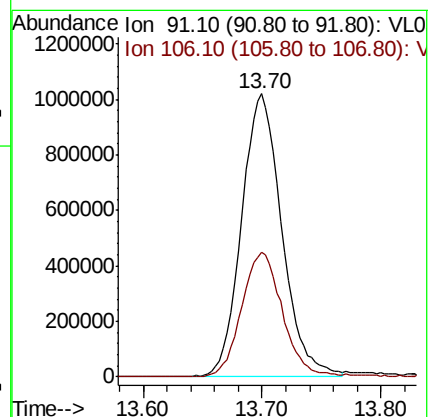
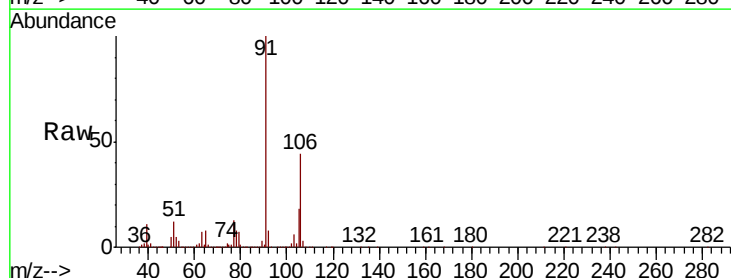
Acq: 16 Jun 2021 18:39

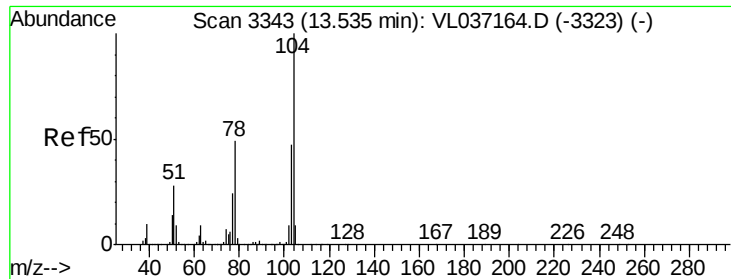
Tgt Ion: 91 Resp: 2380802

Ion Ratio Lower Upper

91 100

106 45.0 23.0 69.0

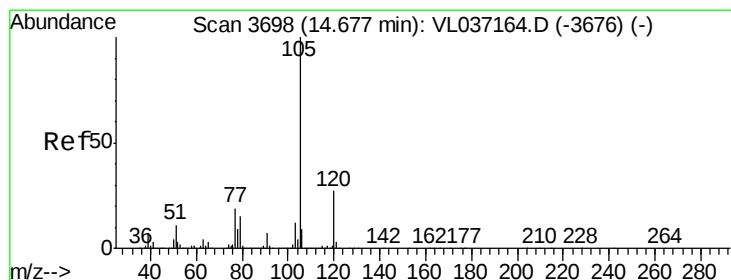
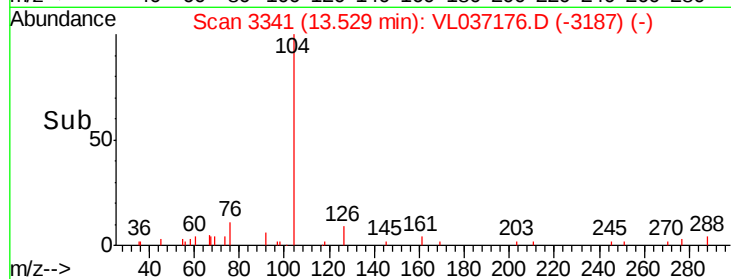
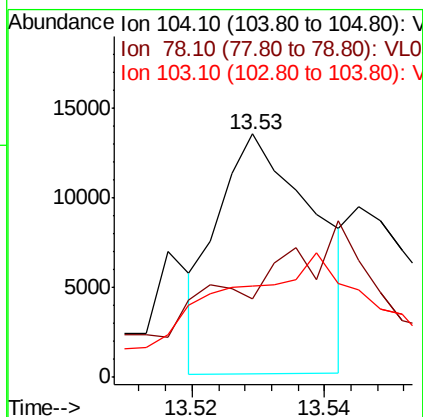
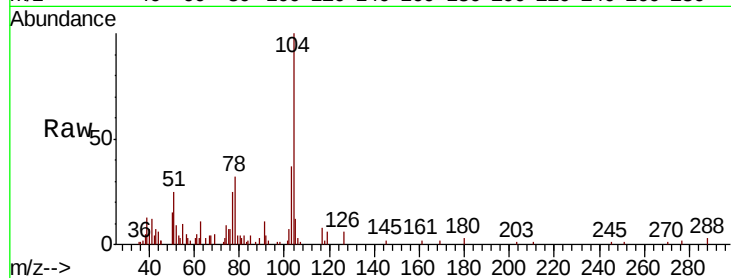




#61
Stvrene
Concen: 0.066 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL037176.D
Acq: 16 Jun 2021 18:39

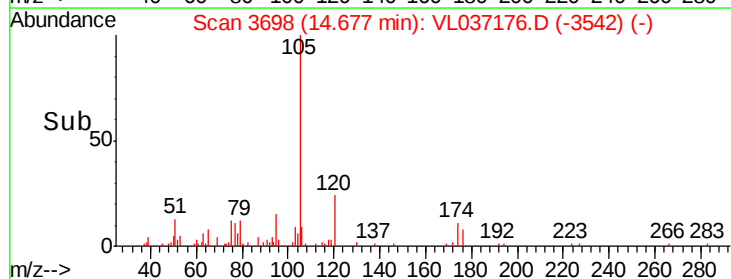
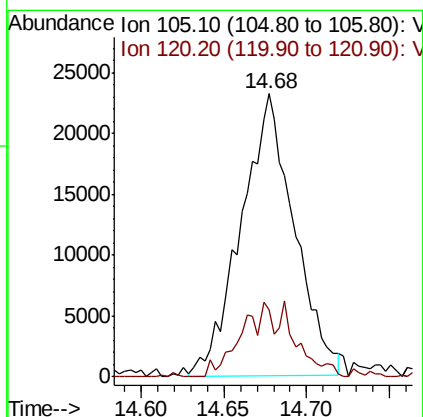
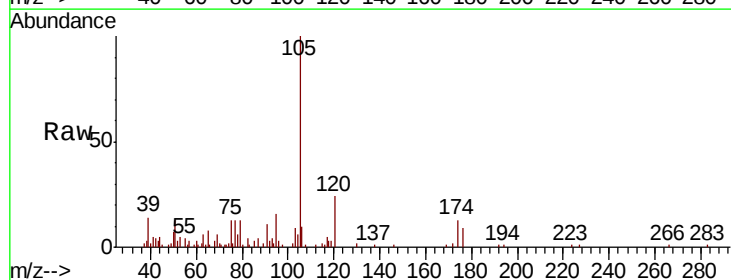
Instrument :
MSVOA_L
ClientSampleId :

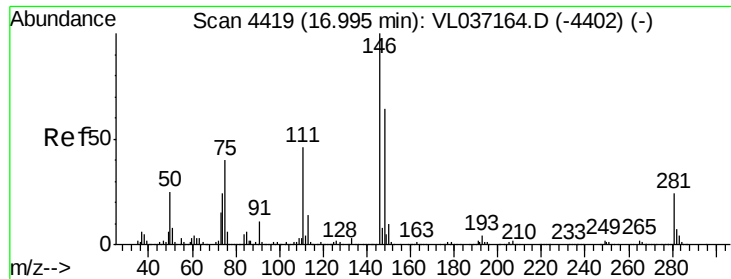
Tot Ion:104 Resp: 13600
Ion Ratio Lower Upper
104 100
78 0.0 39.7 59.5#
103 0.0 37.6 56.4#



#62
Isopropylbenzene
Concen: 0.091 ppbv
RT: 14.68 min Scan# 3698
Delta R.T. 0.00 min
Lab File: VL037176.D
Acq: 16 Jun 2021 18:39

Tgt Ion:105 Resp: 51710
Ion Ratio Lower Upper
105 100
120 26.4 21.6 32.4

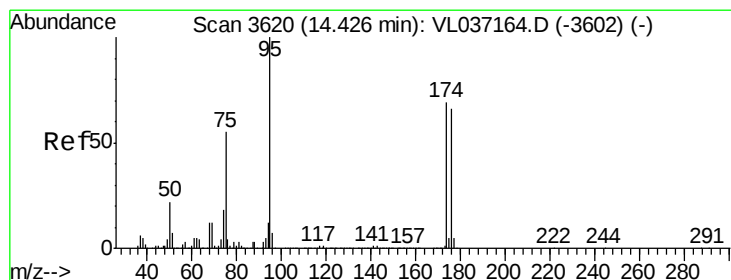
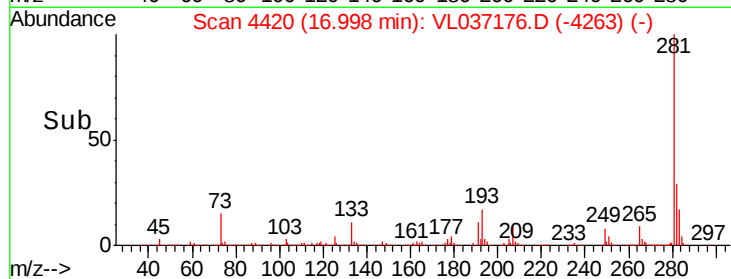
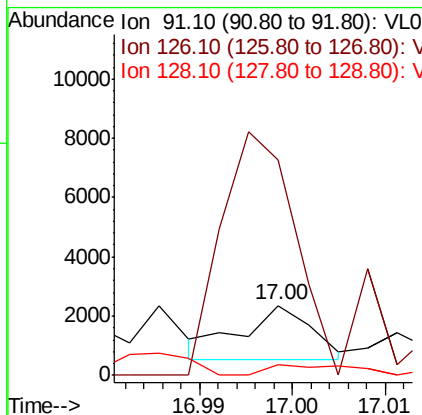
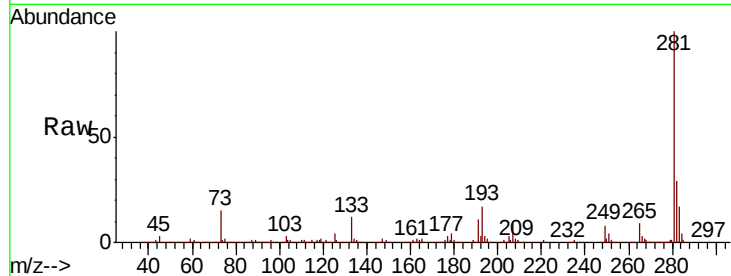




#66
Benzyl Chloride
Concen: 0.045 ppbv
RT: 17.00 min Scan# 4420
Delta R.T. 0.00 min
Lab File: VL037176.D
Acq: 16 Jun 2021 18:39

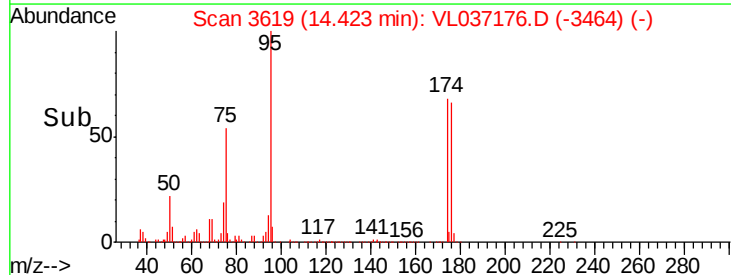
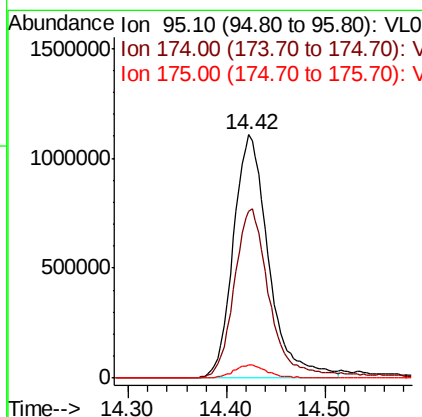
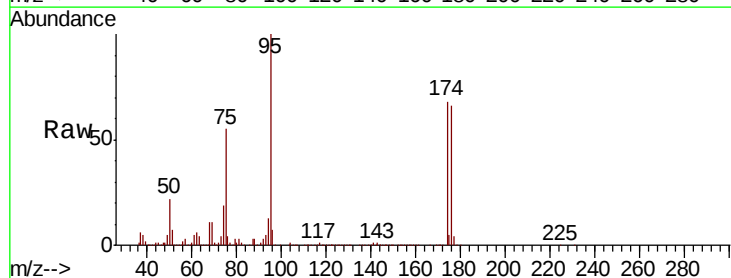
Instrument :
MSVOA_L
ClientSampled :

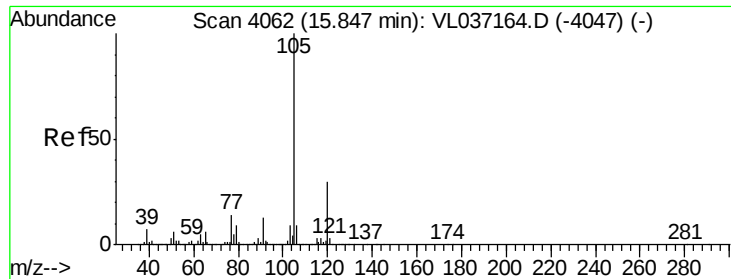
Tot Ion: 91 Resp: 949
Ion Ratio Lower Upper
91 100
126 872.2 15.5 23.3#
128 0.0 5.7 8.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.143 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL037176.D
Acq: 16 Jun 2021 18:39

Tgt Ion: 95 Resp: 2757334
Ion Ratio Lower Upper
95 100
174 72.3 57.0 85.4
175 5.3 4.4 6.6





#72

4-Ethyltoluene

Concen: 0.100 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VL037176.D

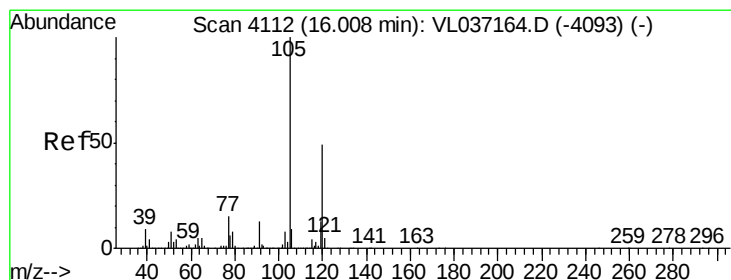
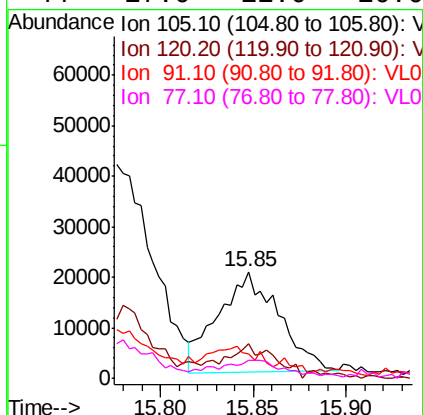
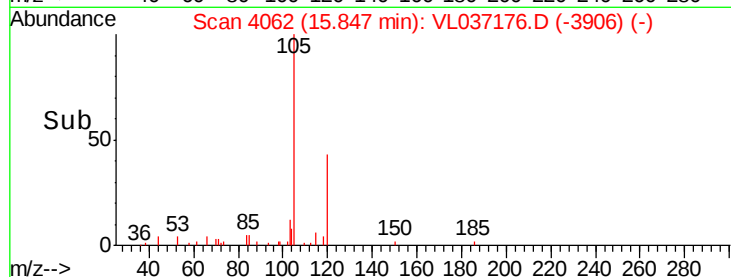
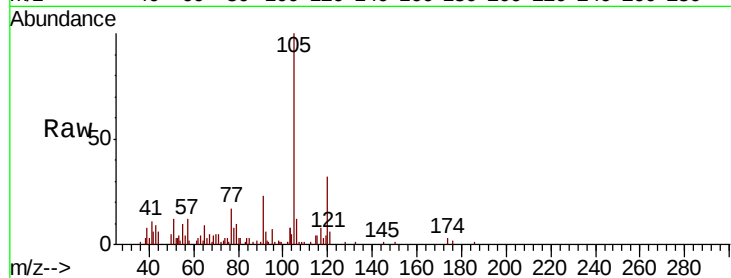
Acq: 16 Jun 2021 18:39

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	45160
Ion	Ratio	Lower	Upper
105	100		
120	29.3	24.7	37.1
91	36.1	10.2	15.4#
77	17.0	11.0	16.6#



#73

1,3,5-Trimethylbenzene

Concen: 0.076 ppbv

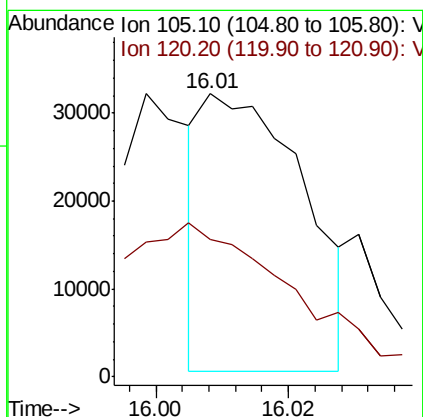
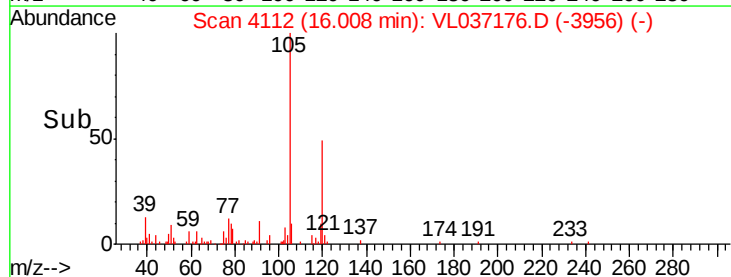
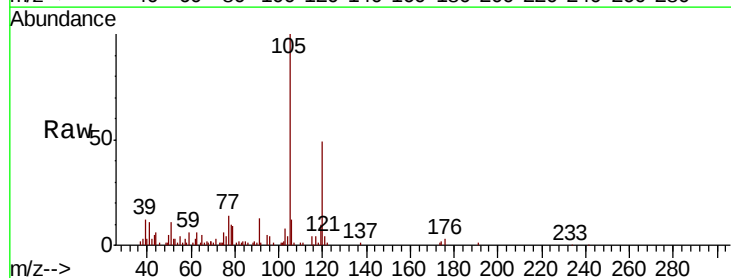
RT: 16.01 min Scan# 4112

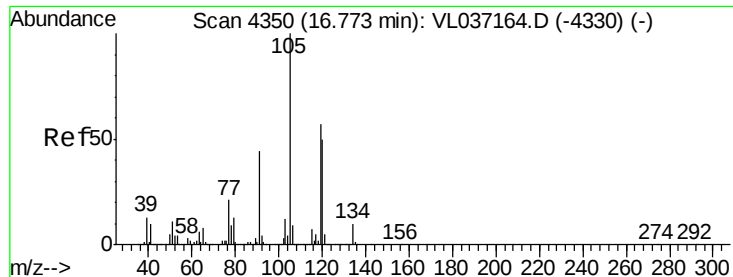
Delta R.T. 0.00 min

Lab File: VL037176.D

Acq: 16 Jun 2021 18:39

Tgt Ion:	105	Resp:	33413
Ion	Ratio	Lower	Upper
105	100		
120	55.8	39.4	59.2





#74

1,2,4-Trimethylbenzene

Concen: 0.393 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. -0.00 min

Lab File: VL037176.D

Acq: 16 Jun 2021 18:39

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 177222

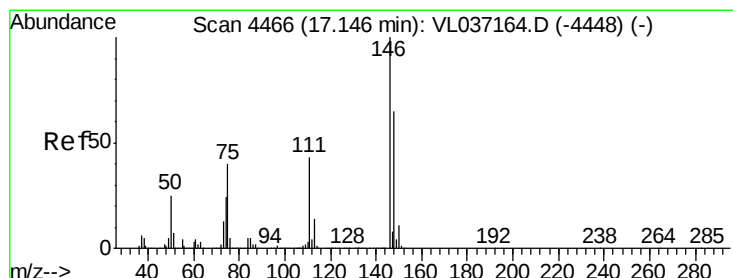
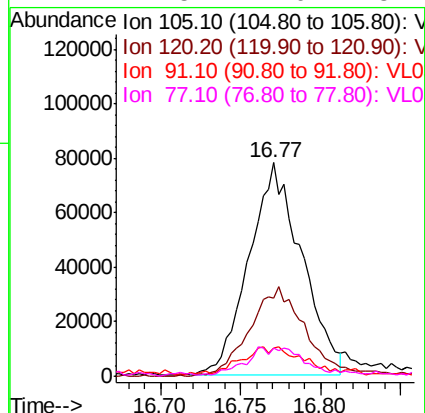
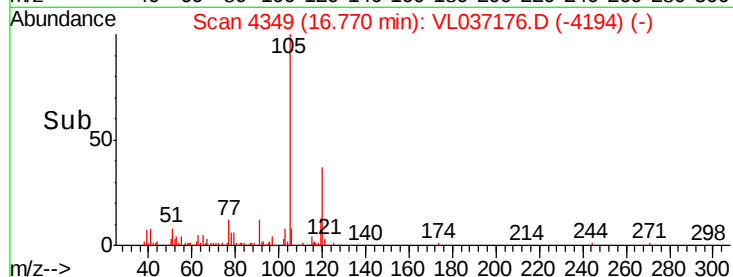
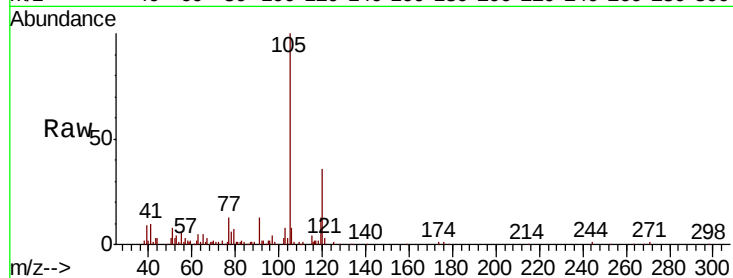
Ion Ratio Lower Upper

105 100

120 36.6 39.8 59.8#

91 11.2 37.0 55.4#

77 12.5 17.0 25.4#



#76

1,4-Dichlorobenzene

Concen: 0.024 ppbv

RT: 17.14 min Scan# 4465

Delta R.T. -0.00 min

Lab File: VL037176.D

Acq: 16 Jun 2021 18:39

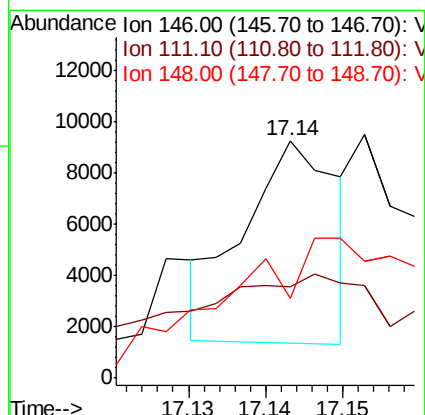
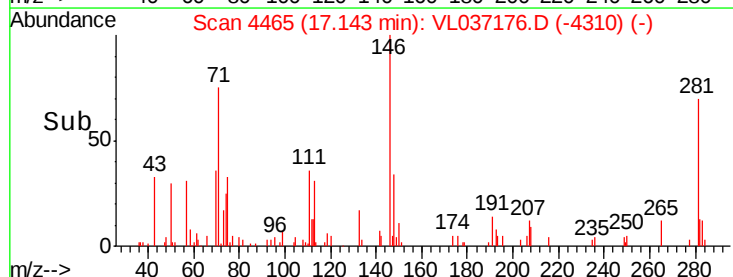
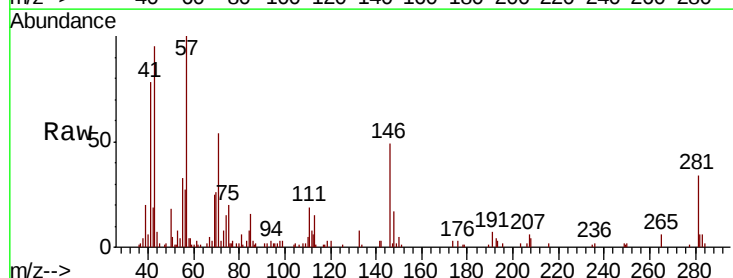
Tgt Ion:146 Resp: 6627

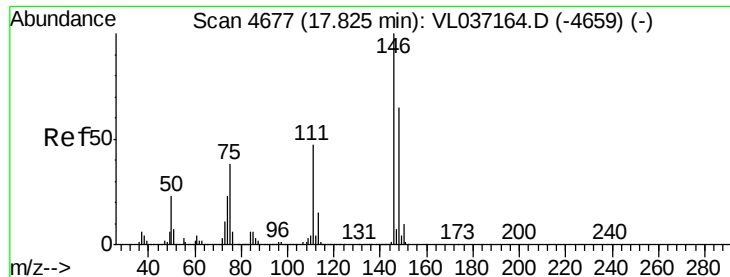
Ion Ratio Lower Upper

146 100

111 227.1 22.7 68.0#

148 224.4 33.7 101.1#

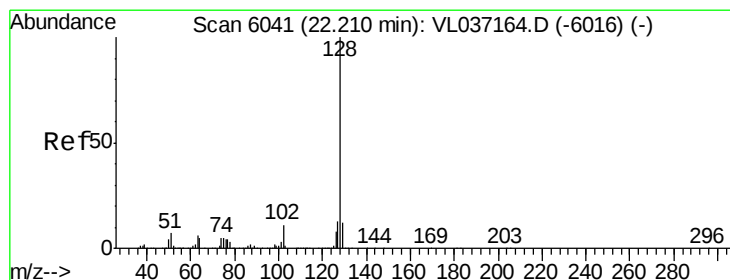
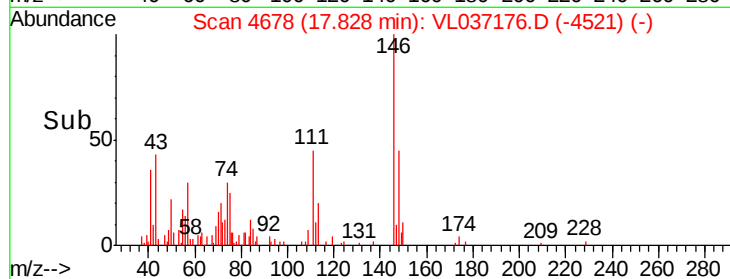
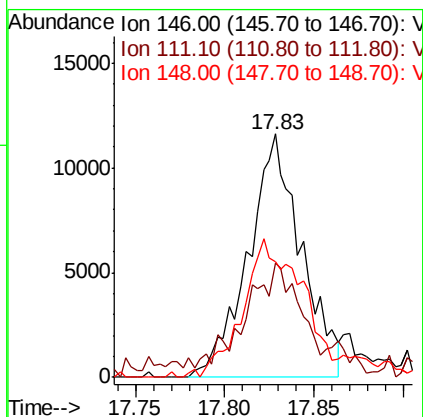
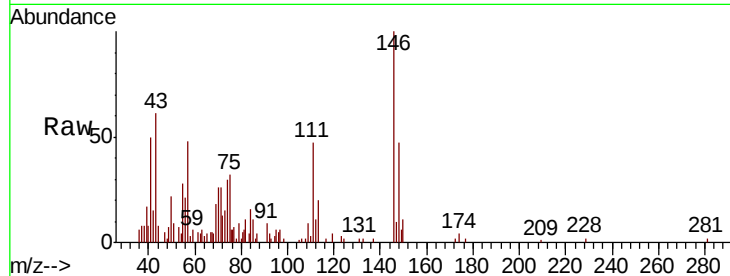




#77
 1,2-Dichlorobenzene
 Concen: 0.091 ppbv
 RT: 17.83 min Scan# 4678
 Delta R.T. 0.00 min
 Lab File: VL037176.D
 Acq: 16 Jun 2021 18:39

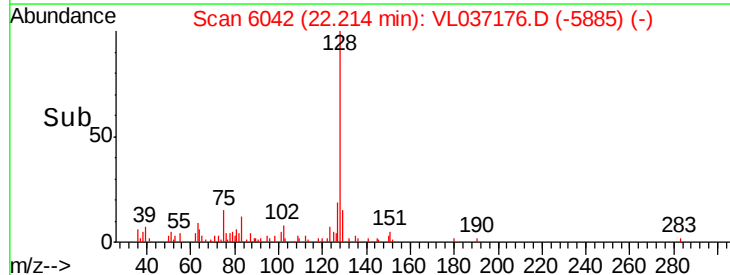
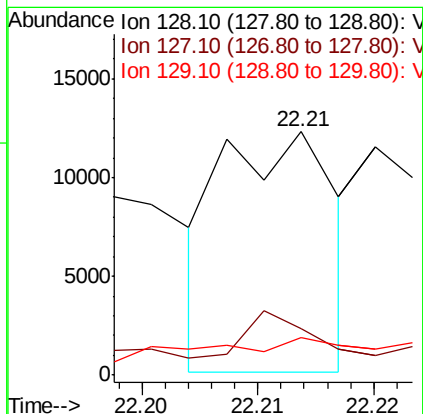
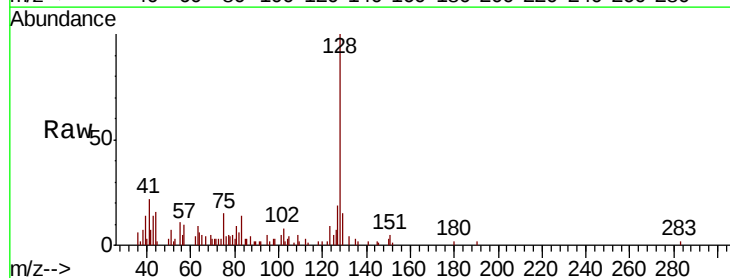
Instrument :
 MSVOA_L
 ClientSampled :

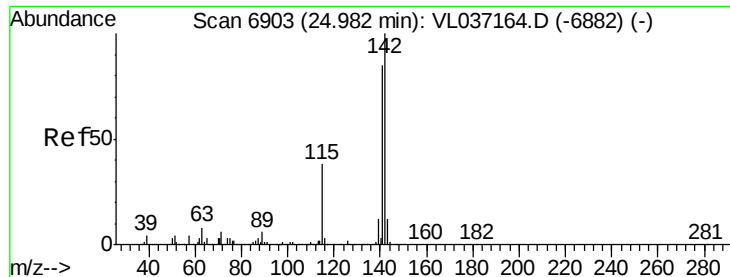
Tot Ion	Ratio	Lower	Upper
146	100		
111	66.1	23.3	69.8
148	72.1	32.4	97.0



#79
 Naphthalene
 Concen: 0.022 ppbv
 RT: 22.21 min Scan# 6042
 Delta R.T. 0.00 min
 Lab File: VL037176.D
 Acq: 16 Jun 2021 18:39

Tgt Ion	Ratio	Lower	Upper
128	100		
127	31.6	10.7	16.1#
129	11.2	9.3	13.9

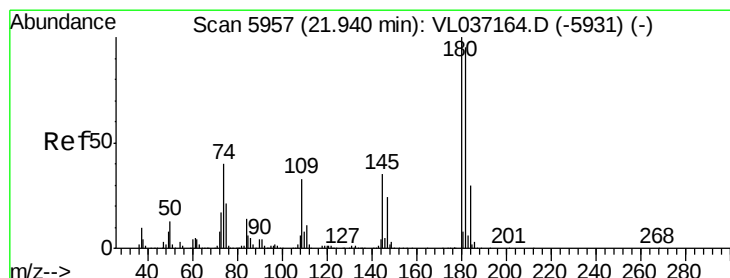
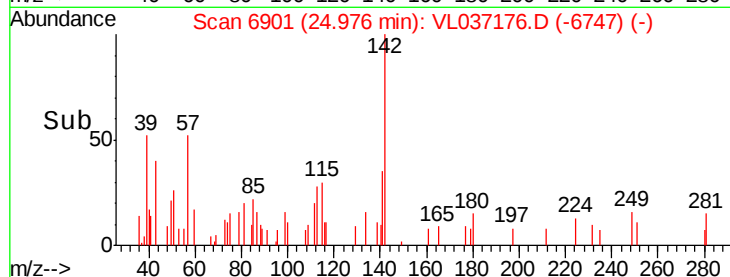
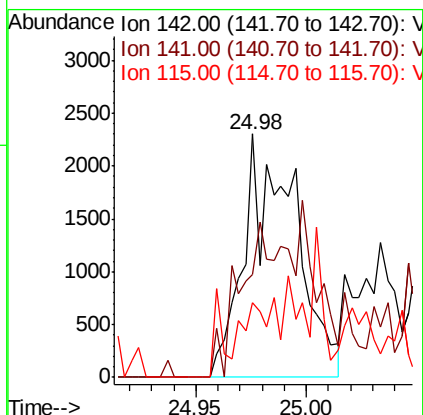
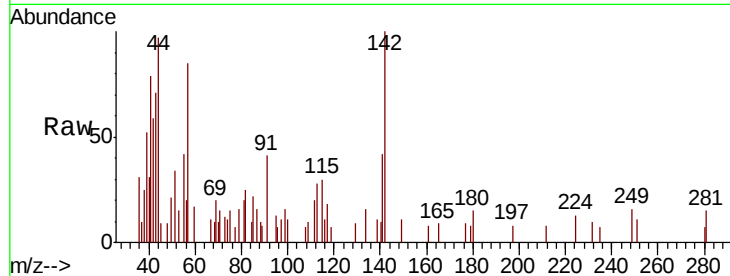




#80
Naphthalene, 2-methyl-
Concen: 0.038 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.01 min
Lab File: VL037176.D
Acq: 16 Jun 2021 18:39

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:142 Resp: 3733
Ion Ratio Lower Upper
142 100
141 93.9 63.7 95.5
115 66.9 30.6 45.8#



#81
1,2,4-Trichlorobenzene
Concen: 0.029 ppbv
RT: 21.94 min Scan# 5958
Delta R.T. 0.00 min
Lab File: VL037176.D
Acq: 16 Jun 2021 18:39

Tgt Ion:180 Resp: 6240
Ion Ratio Lower Upper
180 100
182 401.1 79.3 118.9#
184 129.7 24.7 37.1#

