

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037177.D
 Acq On : 16 Jun 2021 19:21
 Operator : SY/AP
 Sample : M2713-01DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 17 01:49:19 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	1422952	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3980226	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3622283	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2660301	9.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	60886	0.246	ppbv 99
3) Chlorodifluoromethane	2.96	51	388908	1.406	ppbv # 70
4) Chloromethane	3.14	50	29403	0.319	ppbv # 87
7) Chloroethane	3.56	64	7726	0.213	ppbv 90
9) Propene	3.01	41	3341	0.038	ppbv # 16
10) Heptane	8.13	43	91748	0.428	ppbv # 30
11) Trichlorofluoromethane	3.95	101	60886	0.231	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	9741	0.052	ppbv # 16
13) Ethanol	3.61	45	207257	15.144	ppbv 49
15) Acetone	3.85	43	1393805	8.686	ppbv 96
16) 1,3-Butadiene	3.30	39	38472	0.406	ppbv # 20
17) tert-Butyl alcohol	4.30	59	20071	0.135	ppbv # 71
18) 1,1-Dichloroethene	4.29	96	2644	0.032	ppbv # 9
19) Isopropyl Alcohol	3.98	45	230956	2.376	ppbv # 86
20) Methylene Chloride	4.35	84	2159088	22.475	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	5251	0.064	ppbv # 65
23) Vinyl Acetate	5.07	43	63128	0.274	ppbv # 87
24) 1,1-Dichloroethane	5.01	63	334178	1.804	ppbv 100
25) Ethyl Acetate	5.69	43	1009987	2.907	ppbv # 80
26) Hexane	5.69	57	1304600	7.431	ppbv # 48
27) Carbon Disulfide	4.55	76	3976	0.023	ppbv # 63
29) Chloroform	5.75	83	12772	0.047	ppbv 87
30) Cyclohexane	7.14	84	5152	0.035	ppbv # 1
32) 1,1,1-Trichloroethane	6.52	97	519874	1.791	ppbv 99
34) 2-Butanone	5.25	43	384631	2.485	ppbv 99
36) Benzene	6.89	78	14286	0.044	ppbv 94
38) Trichloroethene	7.84	130	3359	0.022	ppbv # 24
39) 1,2-Dichloropropane	7.18	63	955090	7.986	ppbv # 24
41) Tetrahydrofuran	6.06	42	136163	1.894	ppbv 97
44) 2,2,4-Trimethylpentane	7.88	57	27211	0.050	ppbv # 1
50) 4-Methyl-2-Pentanone	8.75	43	627465	2.951	ppbv 98
52) Tetrachloroethene	11.22	164	5044	0.034	ppbv # 47
53) Toluene	9.81	91	3149477	8.192	ppbv 100
56) 1,1,1,2-Tetrachloroethane	12.29	131	18467	0.117	ppbv # 1
58) Ethyl Benzene	12.72	91	1356118	2.720	ppbv 94
59) m/p-Xylene	12.97	91	5393179	12.762	ppbv 96
60) o-Xylene	13.70	91	2302307	5.722	ppbv 99
61) Styrene	13.53	104	9972	0.048	ppbv # 1
64) n-propylbenzene	15.57	120	2899	0.020	ppbv # 1
65) tert-Butylbenzene	16.77	119	12010	0.024	ppbv # 20
66) Benzyl Chloride	16.99	91	523	0.024	ppbv # 63

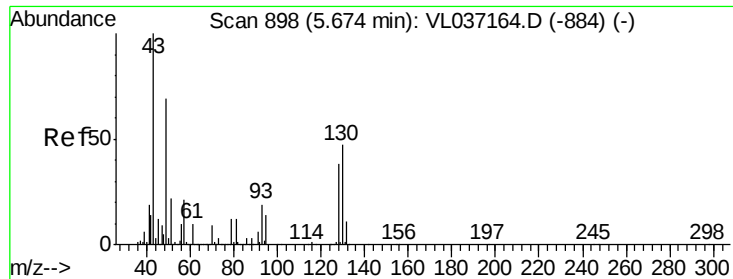
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037177.D
 Acq On : 16 Jun 2021 19:21
 Operator : SY/AP
 Sample : M2713-01DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 17 01:49:19 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)
69) p-Isopropyltoluene	17.66	119	23025	0.040	ppbv #	71
73) 1,3,5-Trimethylbenzene	16.00	105	46714	0.106	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	179223	0.394	ppbv #	74
76) 1,4-Dichlorobenzene	17.14	146	7584	0.027	ppbv #	22
77) 1,2-Dichlorobenzene	17.82	146	11200	0.042	ppbv #	1
79) Naphthalene	22.20	128	9393	0.025	ppbv #	84
80) Naphthalene,2-methyl-	25.01	142	3487	0.035	ppbv	95
81) 1,2,4-Trichlorobenzene	21.93	180	8662	0.040	ppbv #	11

(#) = 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: VL037177.D

Acq: 16 Jun 2021 19:21

Instrument :

MSVOA_L

ClientSampleId :

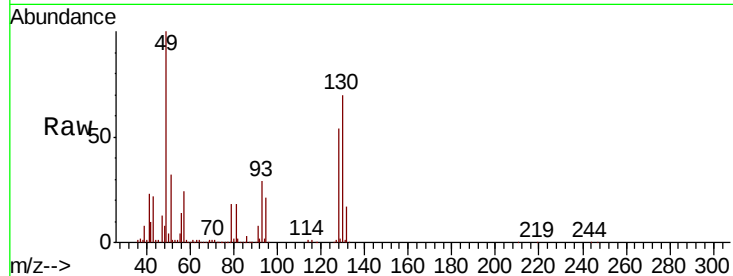
Tot Ion: 49 Resp: 1422952

Ion Ratio Lower Upper

49 100

128 54.1 29.3 88.0

130 69.7 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

800000

600000

400000

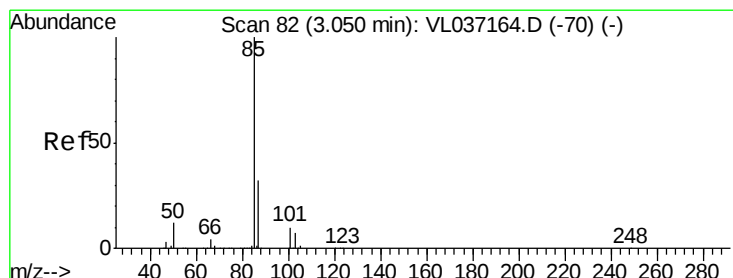
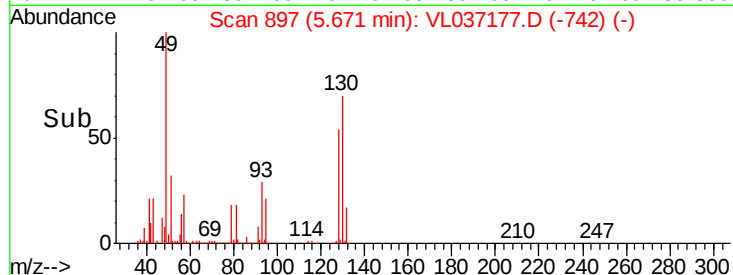
200000

0

5.67

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.246 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL037177.D

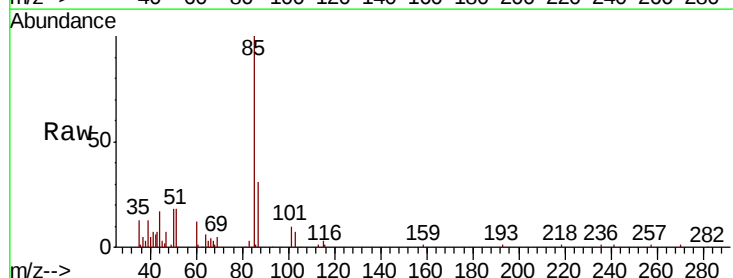
Acq: 16 Jun 2021 19:21

Tgt Ion: 85 Resp: 60886

Ion Ratio Lower Upper

85 100

87 31.7 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

40000

30000

20000

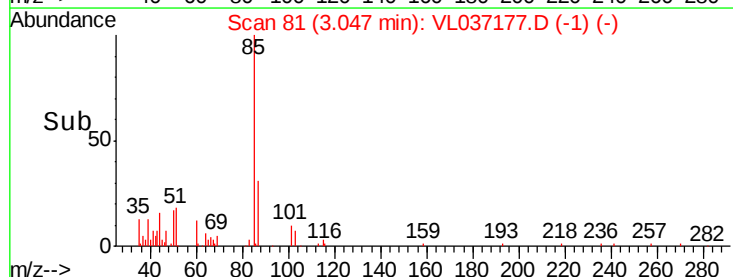
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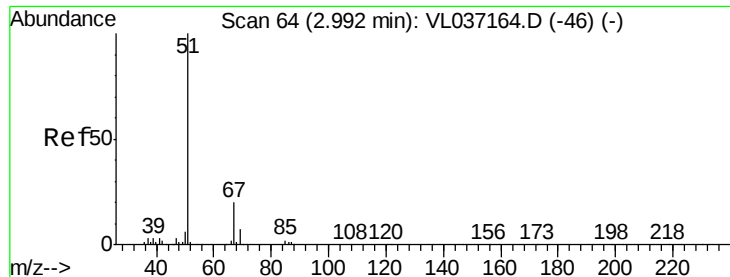
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3.05

3.00 3.05 3.10

Time-->

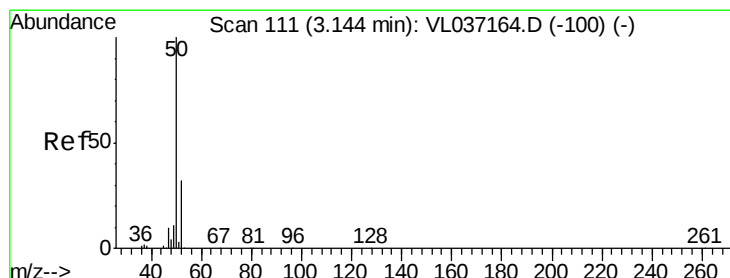
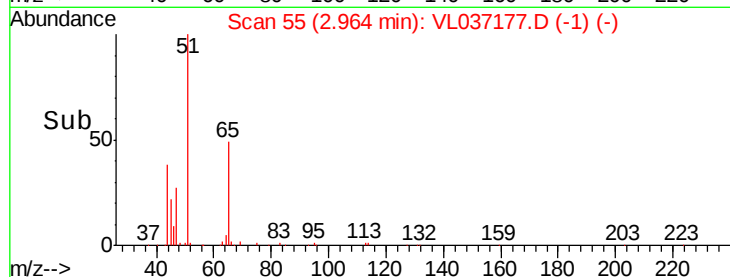
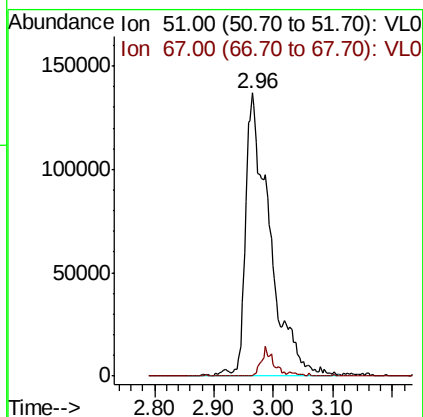
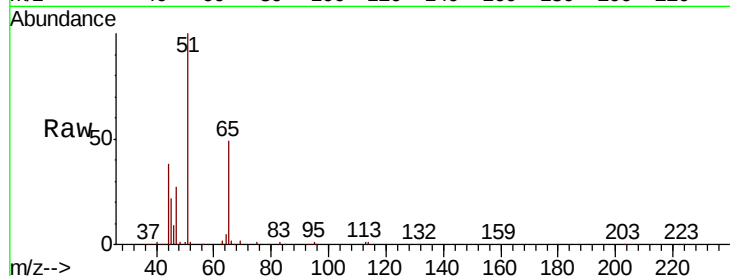




#3
Chlorodifluoromethane
Concen: 1.406 ppbv
RT: 2.96 min Scan# 55
Delta R.T. -0.03 min
Lab File: VL037177.D
Acq: 16 Jun 2021 19:21

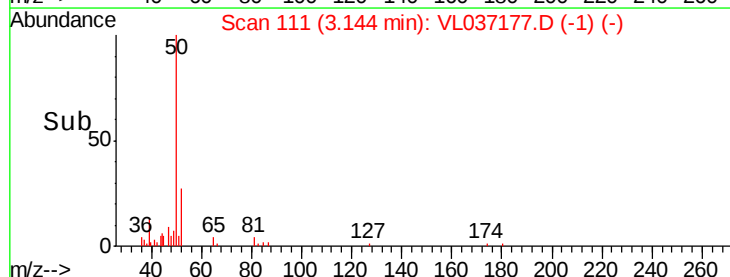
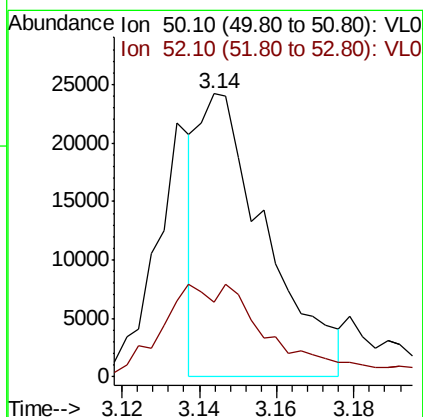
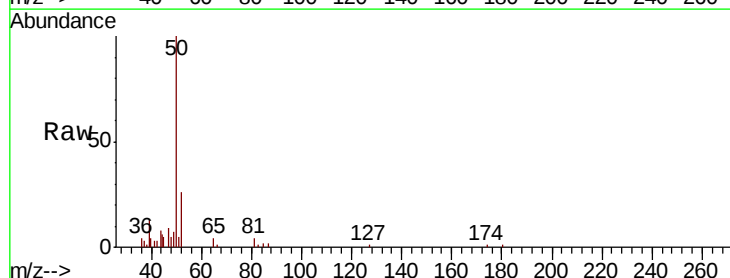
Instrument :
MSVOA_L
ClientSampleId :

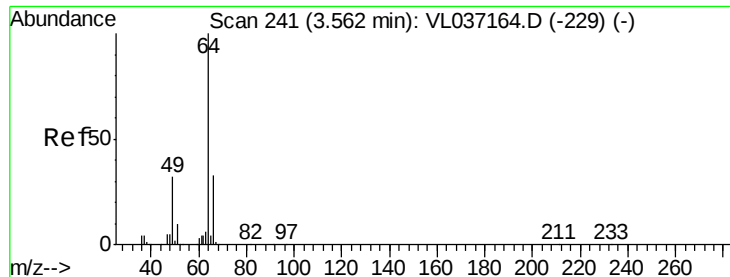
Tot Ion: 51 Resp: 388908
Ion Ratio Lower Upper
51 100
67 5.8 15.8 23.6#



#4
Chloromethane
Concen: 0.319 ppbv
RT: 3.14 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL037177.D
Acq: 16 Jun 2021 19:21

Tgt Ion: 50 Resp: 29403
Ion Ratio Lower Upper
50 100
52 24.8 25.8 38.8#





#7

Chloroethane

Concen: 0.213 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.00 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

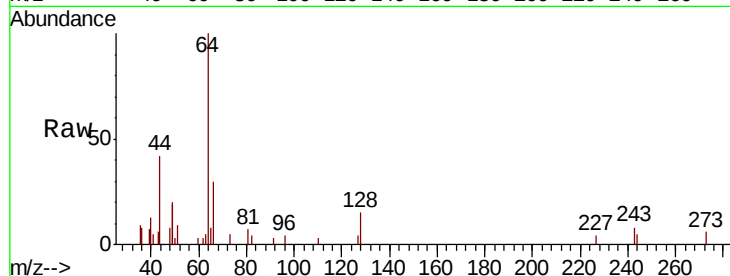
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 64 Resp: 7726

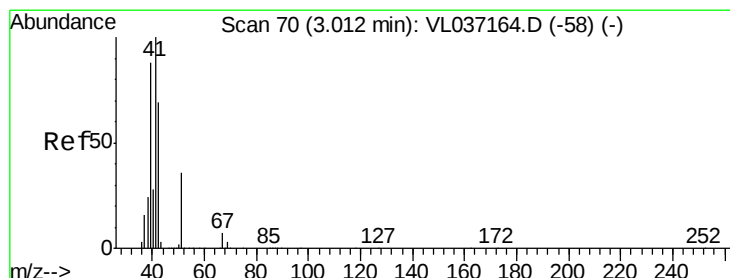
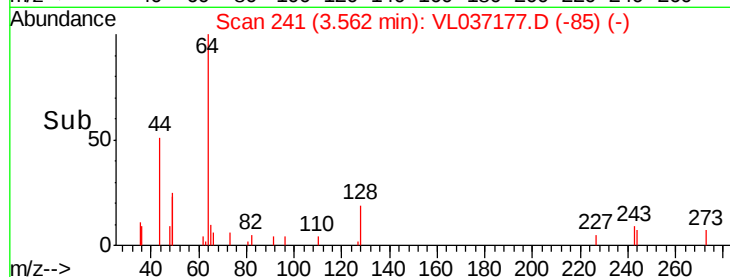
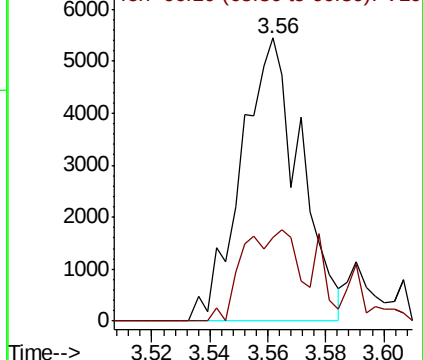
Ion Ratio Lower Upper

64 100

66 27.3 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: 0.038 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL037177.D

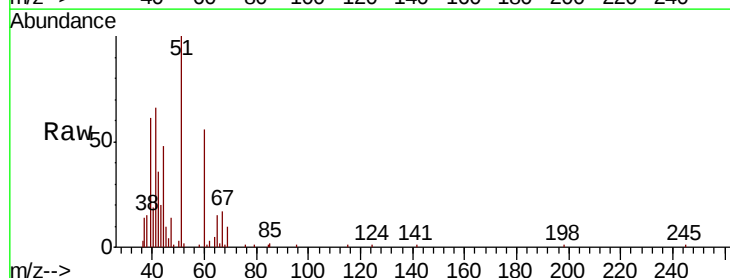
Acq: 16 Jun 2021 19:21

Tgt Ion: 41 Resp: 3341

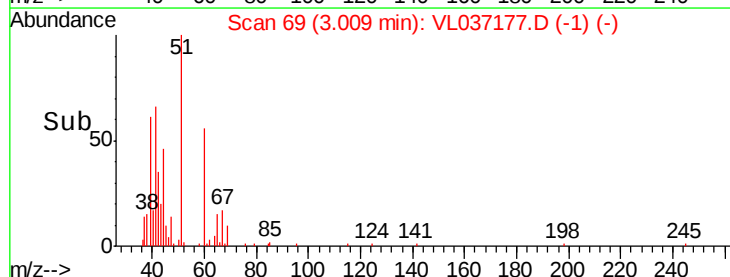
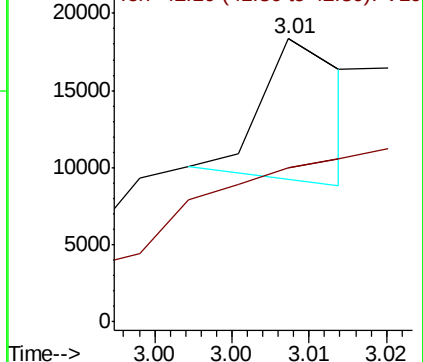
Ion Ratio Lower Upper

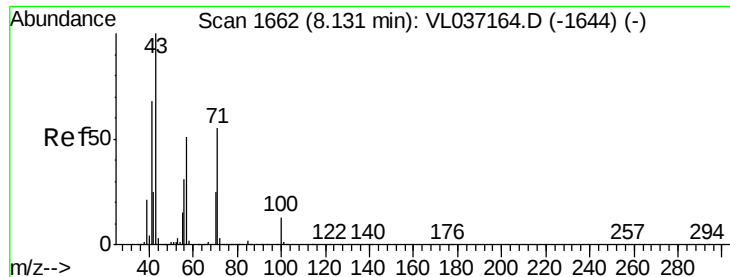
41 100

42 0.0 54.5 81.7#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0

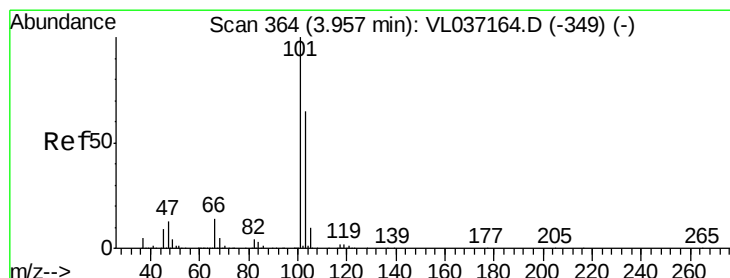
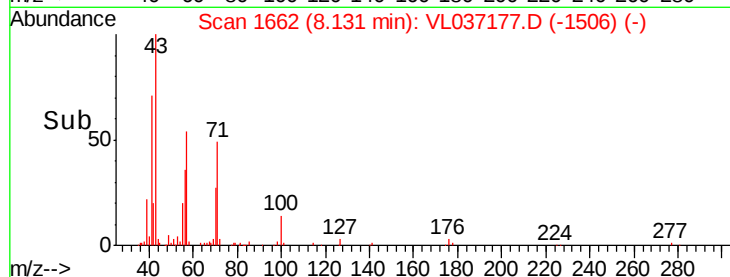
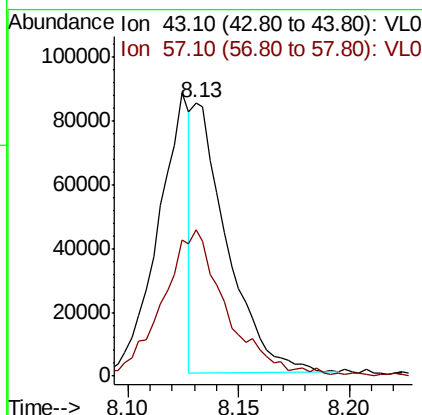
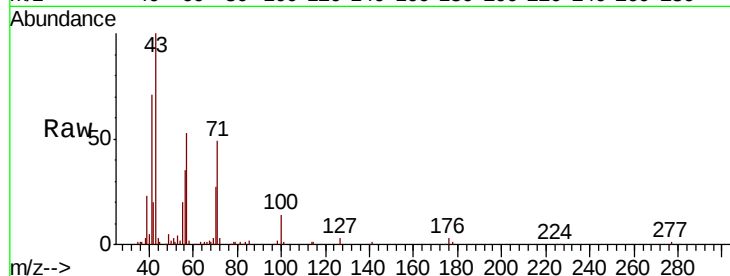




#10
 Heptane
 Concen: 0.428 ppbv
 RT: 8.13 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VL037177.D
 Acq: 16 Jun 2021 19:21

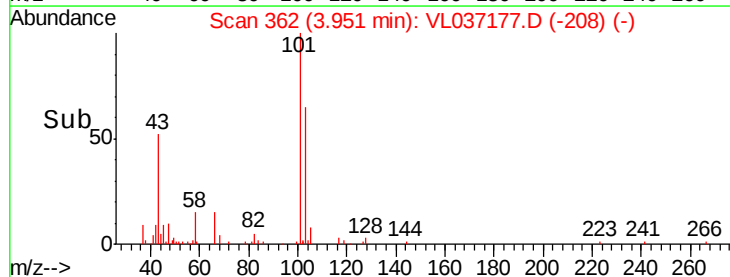
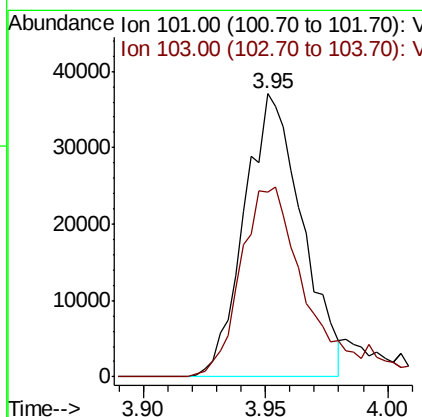
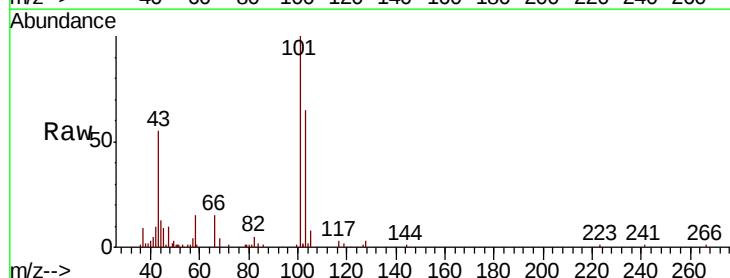
Instrument :
 MSVOA_L
 ClientSampleId :

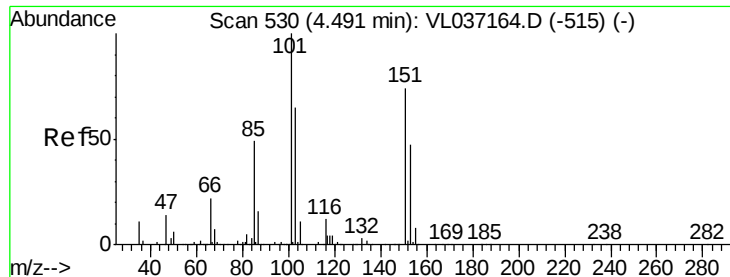
Tot Ion: 43 Resp: 91748
 Ion Ratio Lower Upper
 43 100
 57 99.6 40.6 61.0#



#11
 Trichlorofluoromethane
 Concen: 0.231 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VL037177.D
 Acq: 16 Jun 2021 19:21

Tgt Ion: 101 Resp: 60886
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.2 78.4





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.052 ppbv

RT: 4.49 min Scan# 529

Delta R.T. -0.00 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

Instrument :

MSVOA_L

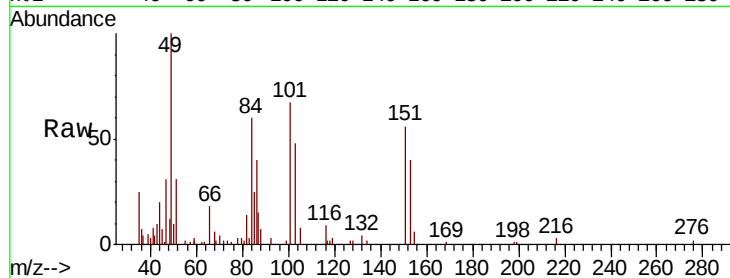
ClientSampleId :

Tot Ion:101 Resp: 9741

Ion Ratio Lower Upper

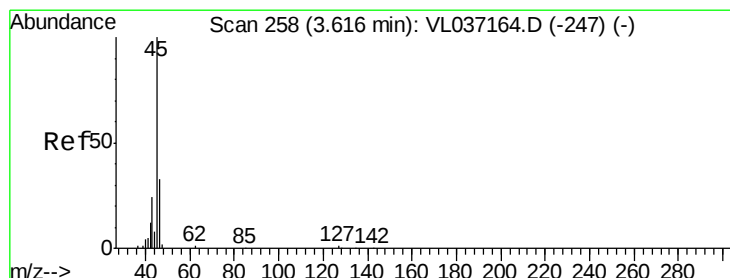
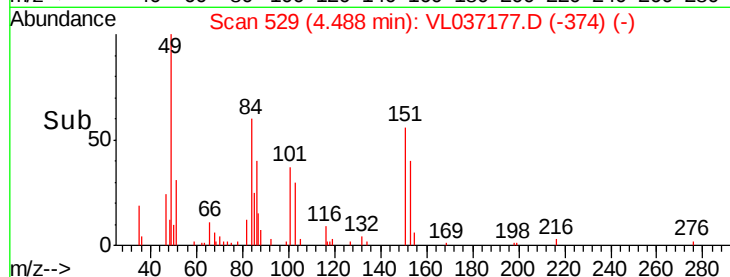
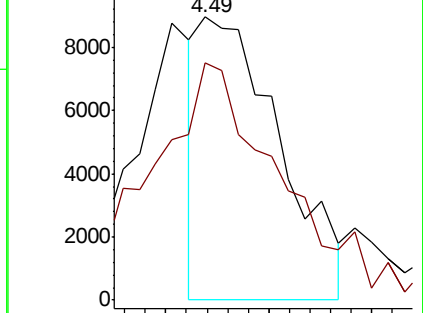
101 100

151 144.6 59.1 88.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 15.144 ppbv

RT: 3.61 min Scan# 257

Delta R.T. -0.00 min

Lab File: VL037177.D

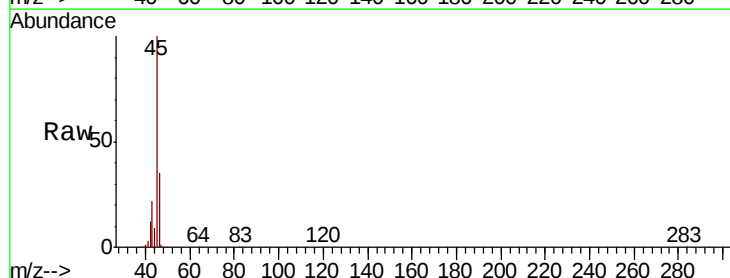
Acq: 16 Jun 2021 19:21

Tgt Ion: 45 Resp: 207257

Ion Ratio Lower Upper

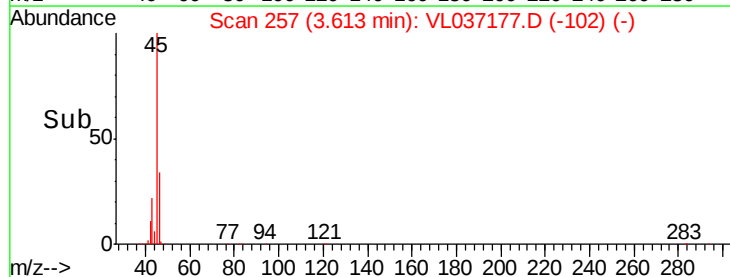
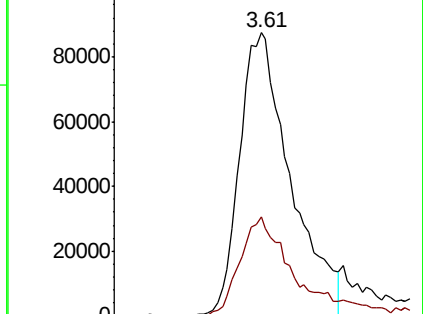
45 100

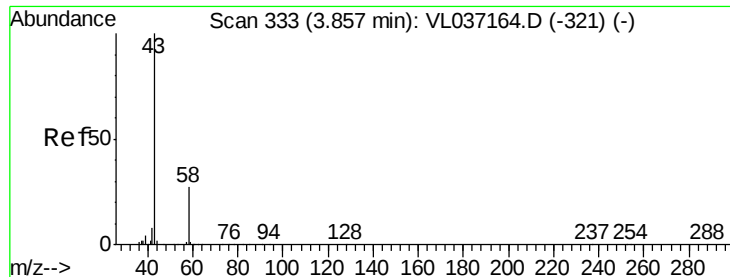
46 39.0 34.2 137.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

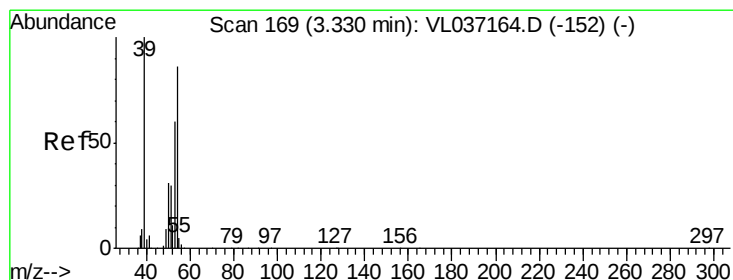
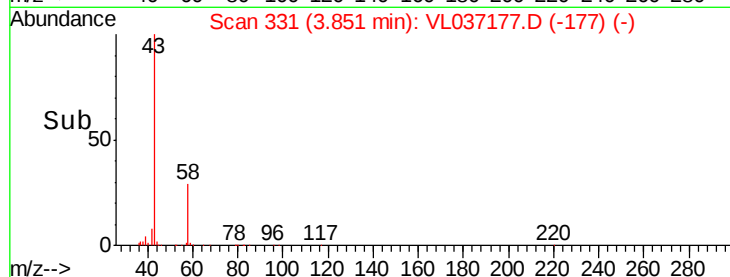
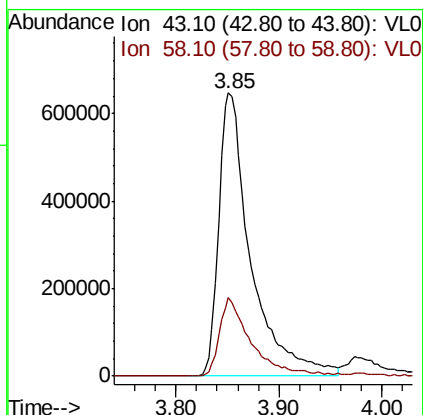
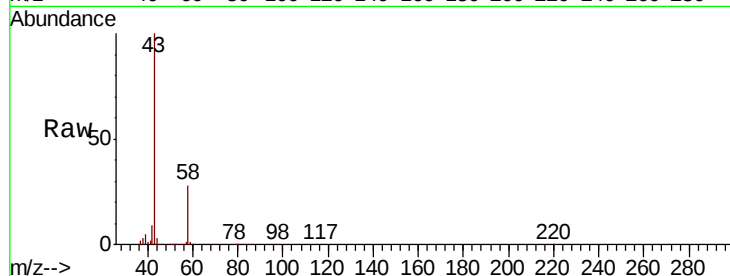




#15
Acetone
Concen: 8.686 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL037177.D
Acq: 16 Jun 2021 19:21

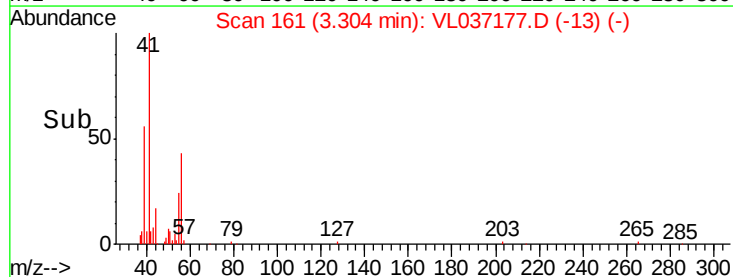
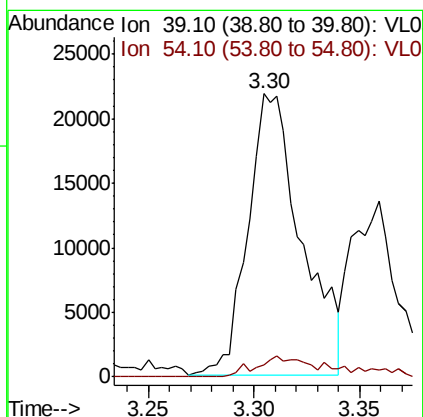
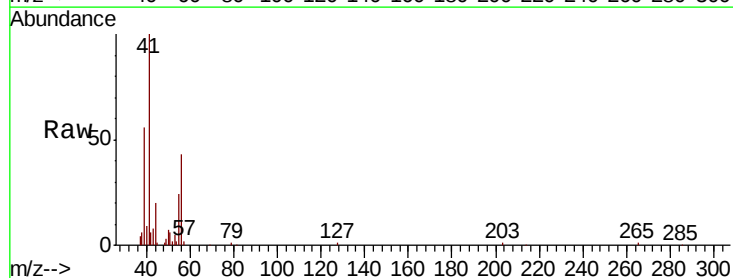
Instrument :
MSVOA_L
ClientSampleId :

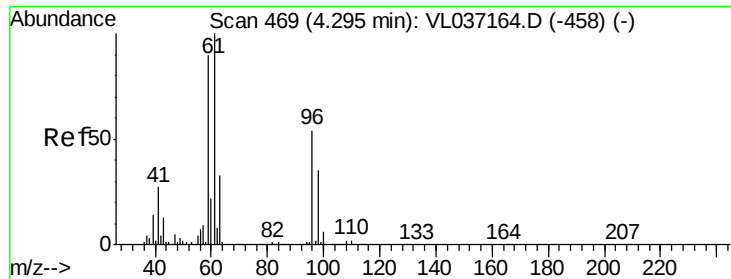
Tot Ion: 43 Resp: 1393805
Ion Ratio Lower Upper
43 100
58 27.7 23.7 35.5



#16
1,3-Butadiene
Concen: 0.406 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.03 min
Lab File: VL037177.D
Acq: 16 Jun 2021 19:21

Tgt Ion: 39 Resp: 38472
Ion Ratio Lower Upper
39 100
54 7.7 61.2 91.8#

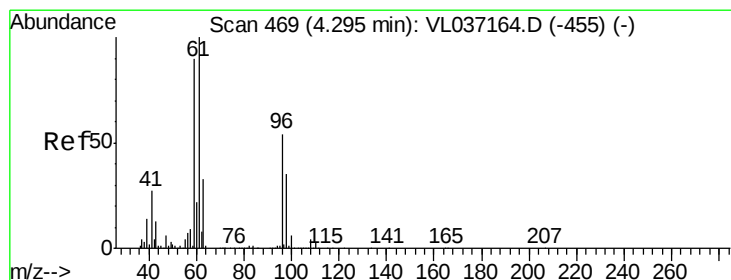
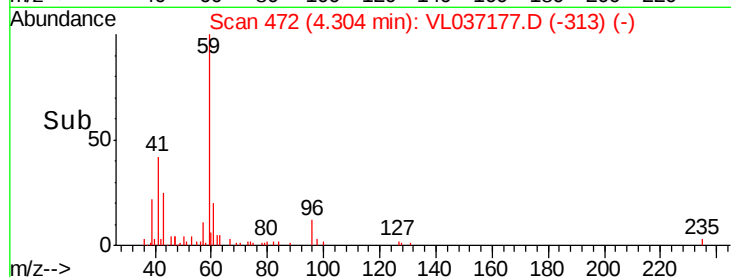
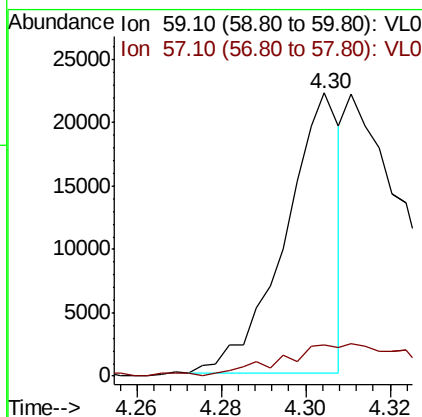
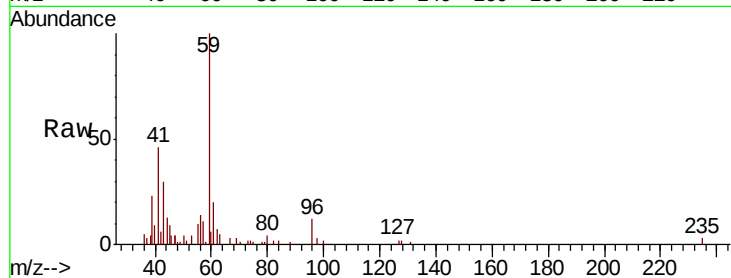




#17
tert-Butyl alcohol
Concen: 0.135 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL037177.D
Acq: 16 Jun 2021 19:21

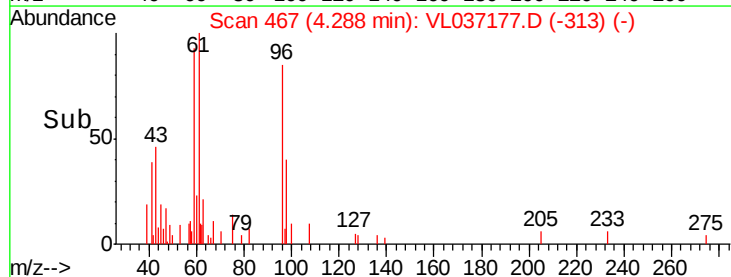
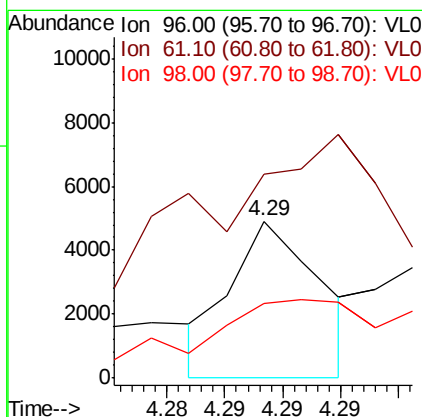
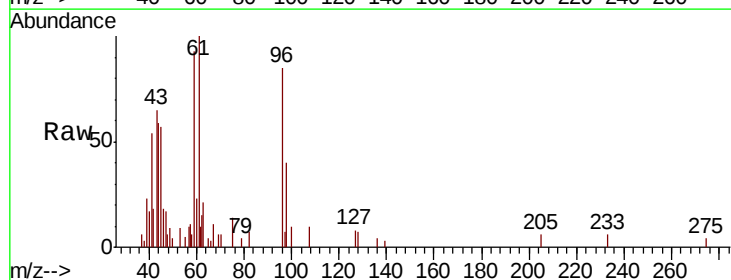
Instrument :
MSVOA_L
ClientSampled :

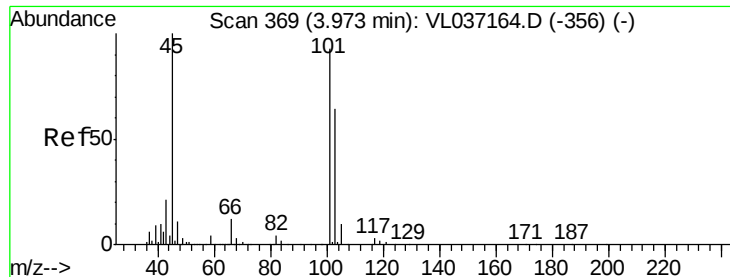
Tot Ion: 59 Resp: 20071
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#18
1,1-Dichloroethene
Concen: 0.032 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL037177.D
Acq: 16 Jun 2021 19:21

Tgt Ion: 96 Resp: 2644
Ion Ratio Lower Upper
96 100
61 18.0 148.6 222.8#
98 48.4 51.9 77.9#





#19

Isopropyl Alcohol

Concen: 2.376 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

Instrument :

MSVOA_L

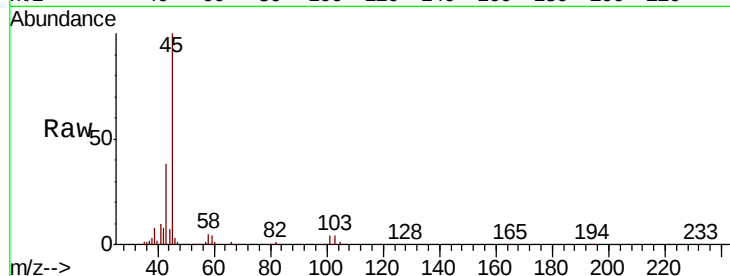
ClientSampleId :

Tot Ion: 45 Resp: 230956

Ion Ratio Lower Upper

45 100

58 7.7 2.4 3.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.98

120000

100000

80000

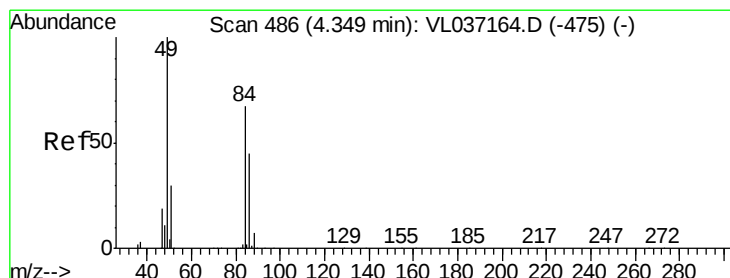
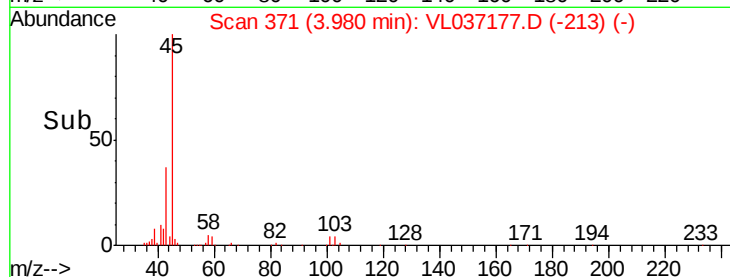
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 22.475 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.00 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

Tgt Ion: 84 Resp: 2159088

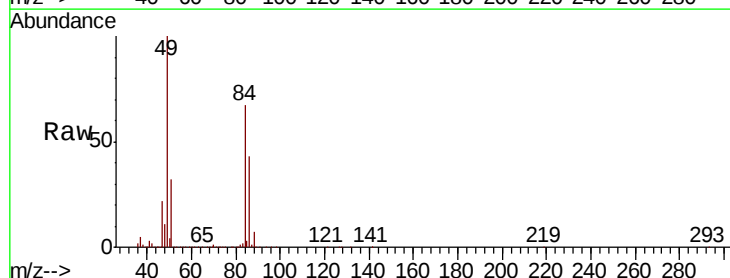
Ion Ratio Lower Upper

84 100

49 149.7 119.7 179.5

51 47.4 36.1 54.1

86 65.1 53.7 80.5



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

2000000

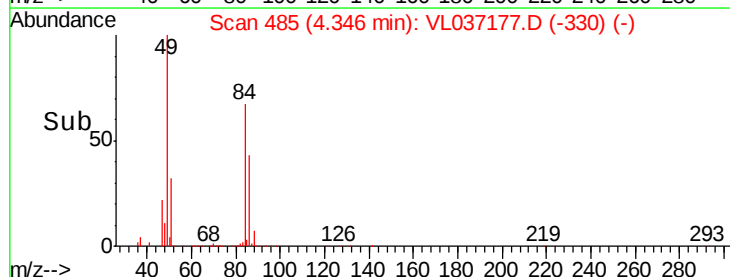
1500000

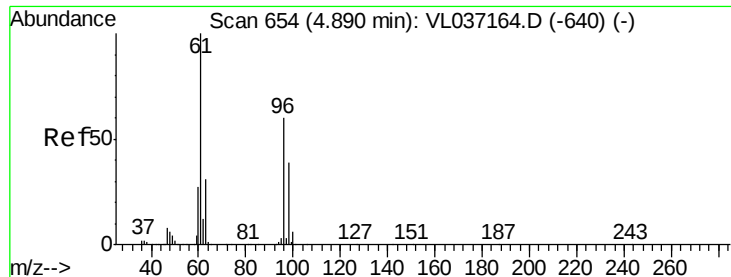
1000000

500000

0

Time-->





#22

trans-1,2-Dichloroethene

Concen: 0.064 ppbv

RT: 4.89 min Scan# 654

Delta R.T. 0.00 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

Instrument :

MSVOA_L

ClientSampleId :

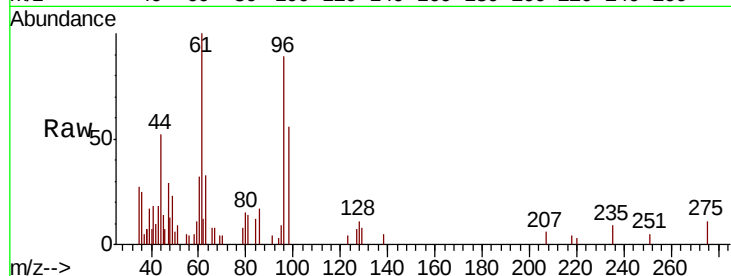
Tot Ion: 96 Resp: 5251

Ion Ratio Lower Upper

96 100

61 102.8 133.9 200.9#

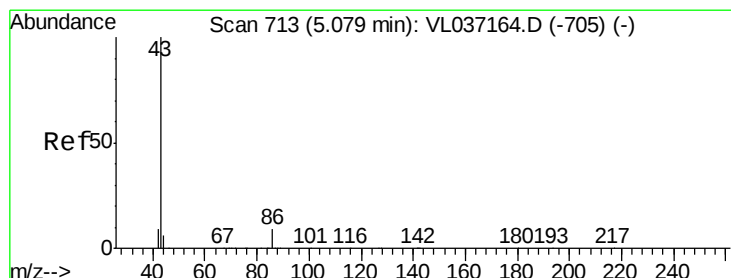
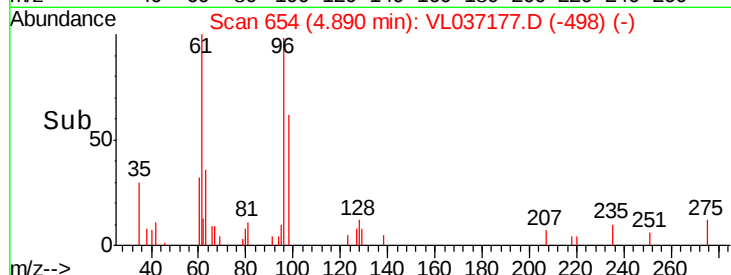
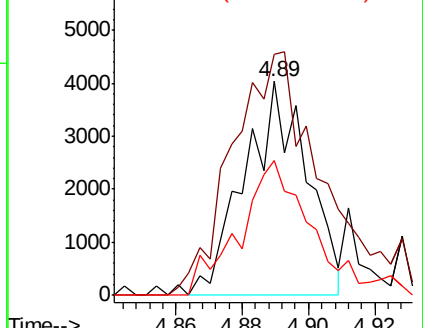
98 63.4 52.9 79.3



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#23

Vinyl Acetate

Concen: 0.274 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.01 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

Tgt Ion: 43 Resp: 63128

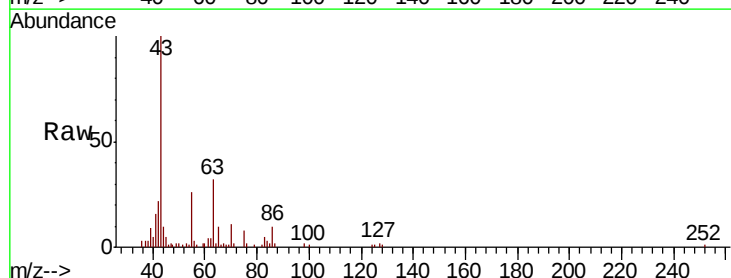
Ion Ratio Lower Upper

43 100

86 8.1 5.8 8.8

42 19.4 8.2 12.2#

44 3.0 4.2 6.4#

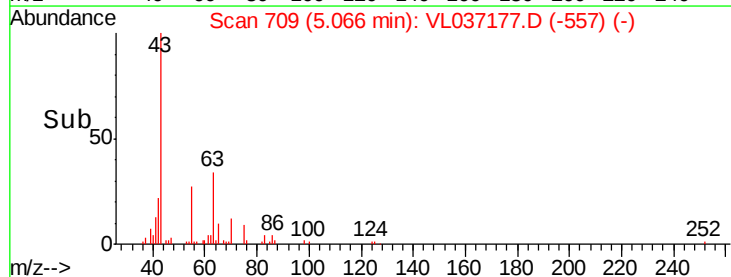
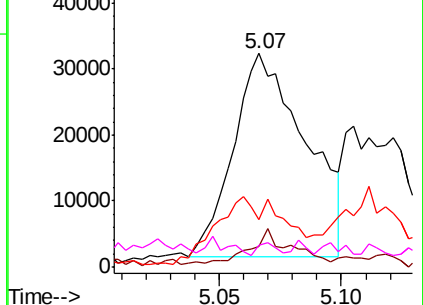


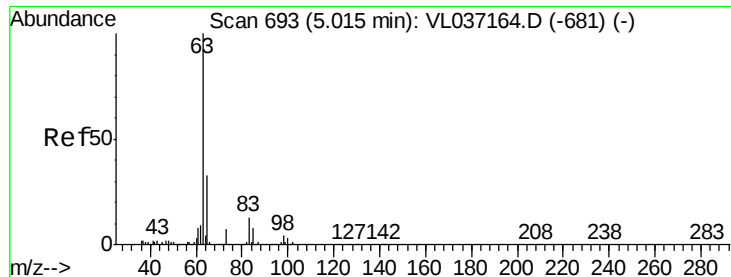
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0





#24

1,1-Dichloroethane

Concen: 1.804 ppbv

RT: 5.01 min Scan# 692

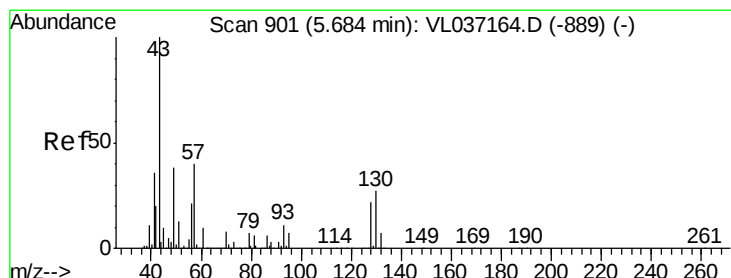
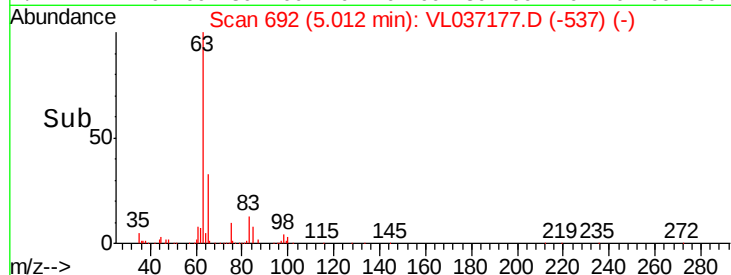
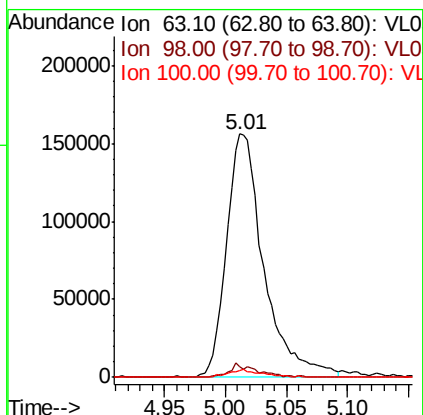
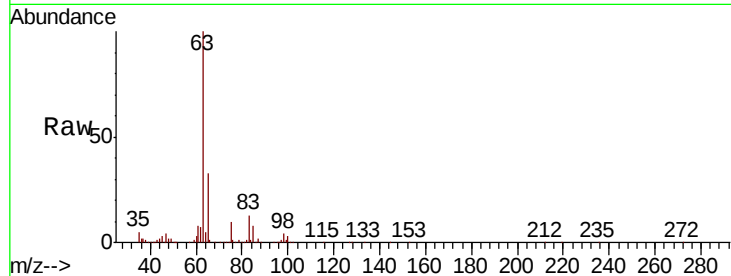
Delta R.T. -0.00 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	63	Resp:	334178
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.5
100	2.9	1.4	4.0



#25

Ethyl Acetate

Concen: 2.907 ppbv

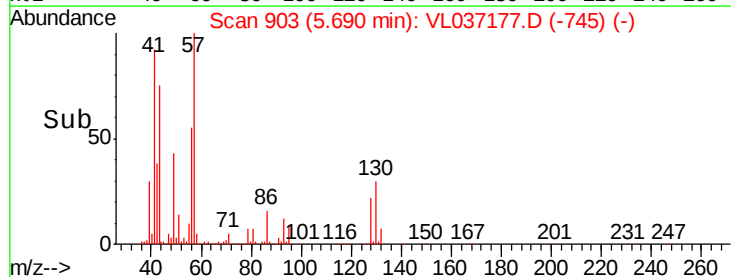
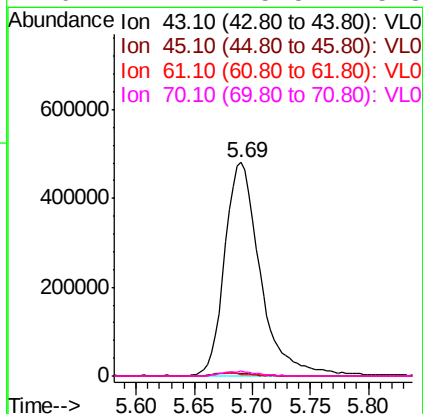
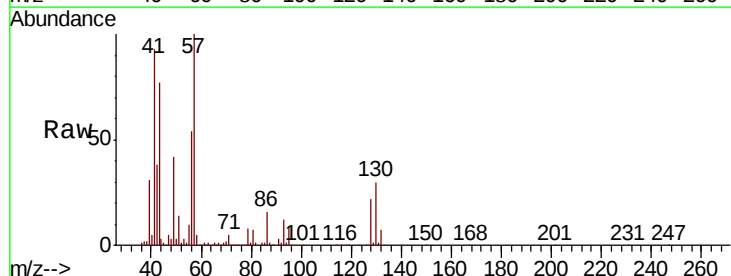
RT: 5.69 min Scan# 903

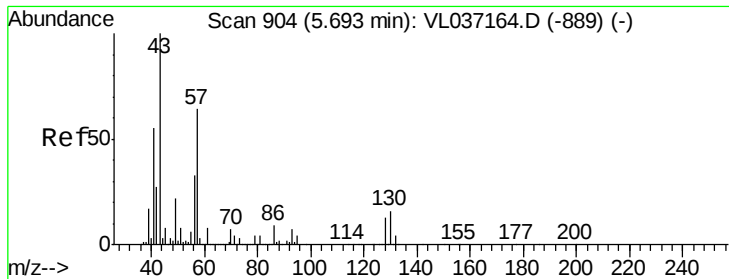
Delta R.T. 0.01 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

Tgt Ion:	43	Resp:	1009987
Ion	Ratio	Lower	Upper
43	100		
45	1.9	8.0	12.0#
61	1.5	8.1	12.1#
70	2.4	5.5	8.3#





#26

Hexane

Concen: 7.431 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.00 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

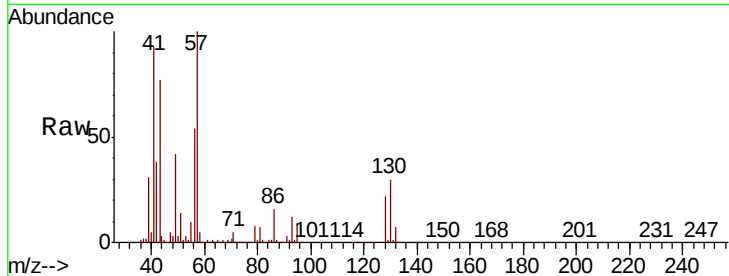
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 57 Resp: 1304600

Ion	Ratio	Lower	Upper
57	100		
41	95.0	73.5	110.3
43	79.2	170.7	256.1#
56	54.3	42.4	63.6



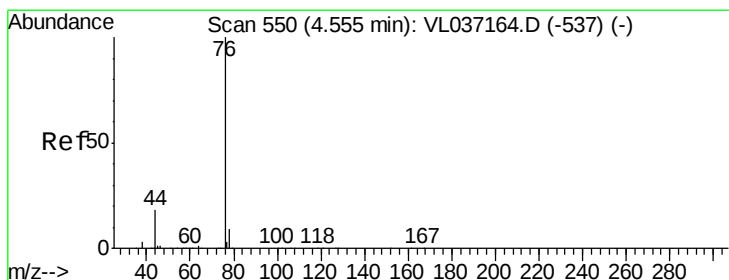
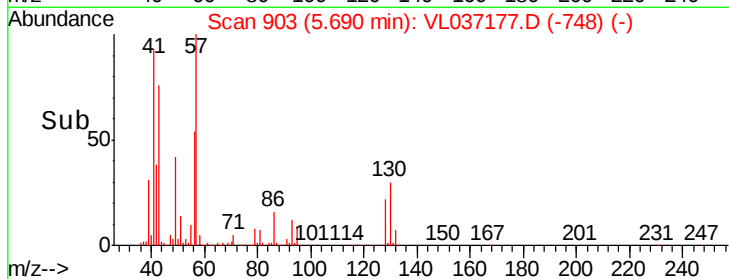
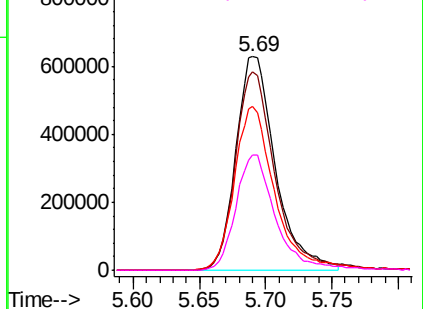
Abundance

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: 0.023 ppbv

RT: 4.55 min Scan# 548

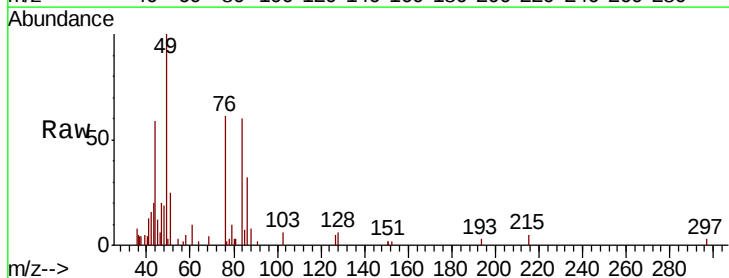
Delta R.T. -0.01 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

Tgt Ion: 76 Resp: 3976

Ion	Ratio	Lower	Upper
76	100		
44	0.0	15.4	23.2#
78	0.0	8.0	12.0#

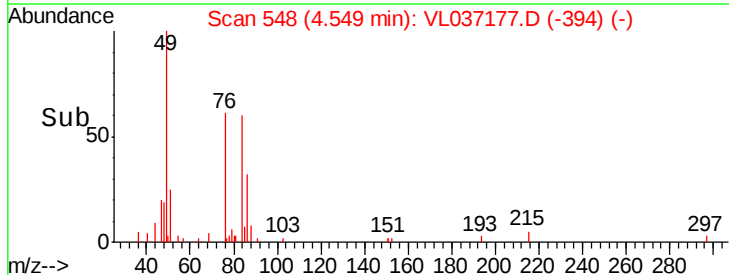
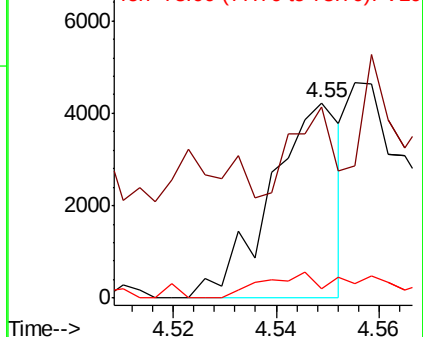


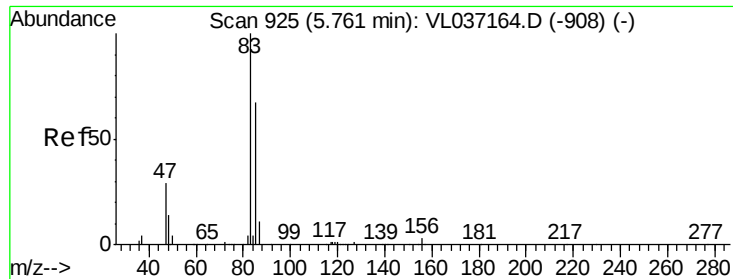
Abundance

Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

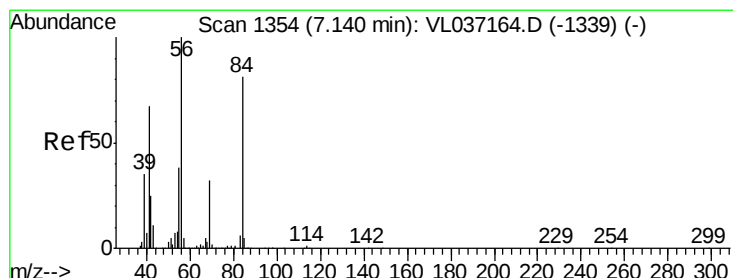
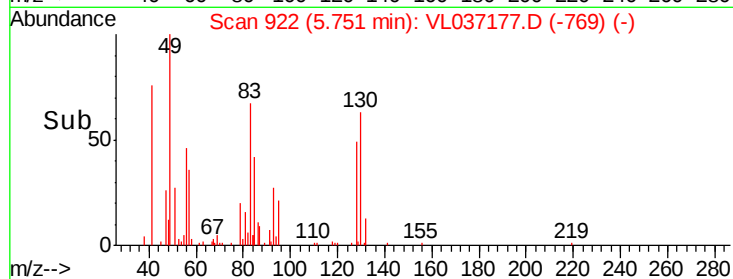
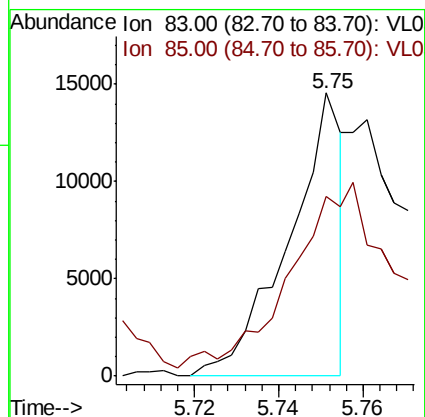
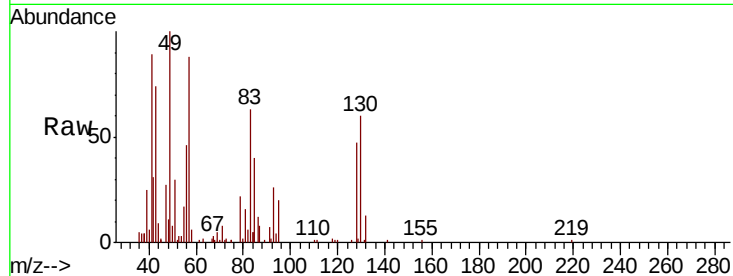




#29
Chloroform
Concen: 0.047 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.01 min
Lab File: VL037177.D
Acq: 16 Jun 2021 19:21

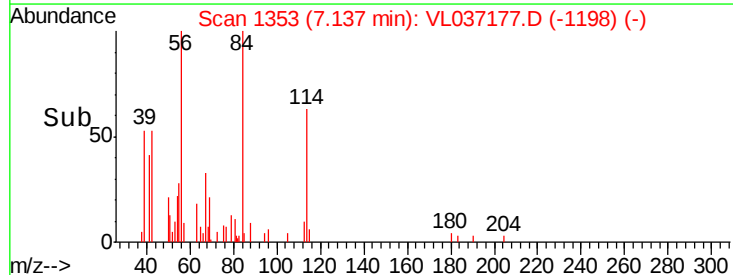
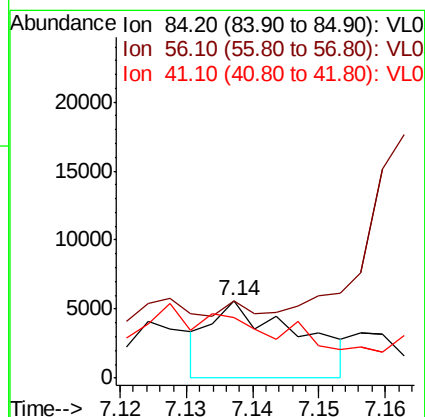
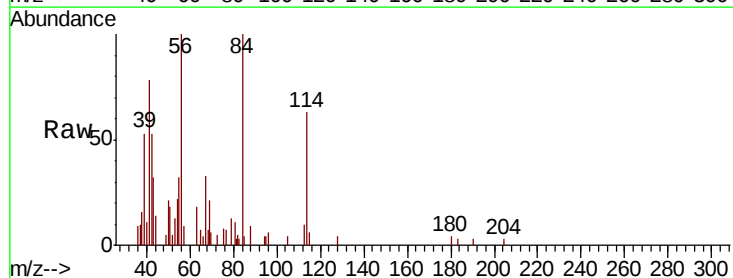
Instrument :
MSVOA_L
ClientSampled :

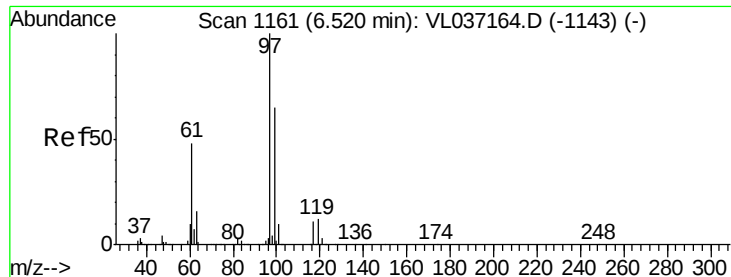
Tot Ion: 83 Resp: 12772
Ion Ratio Lower Upper
83 100
85 56.7 53.6 80.4



#30
Cyclohexane
Concen: 0.035 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL037177.D
Acq: 16 Jun 2021 19:21

Tgt Ion: 84 Resp: 5152
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 0.0 69.0 103.6#





#32

1,1,1-Trichloroethane

Concen: 1.791 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

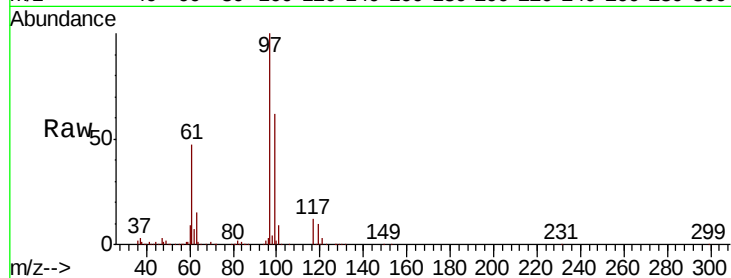
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 519874

Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.2	78.4
61	49.2	38.8	58.2

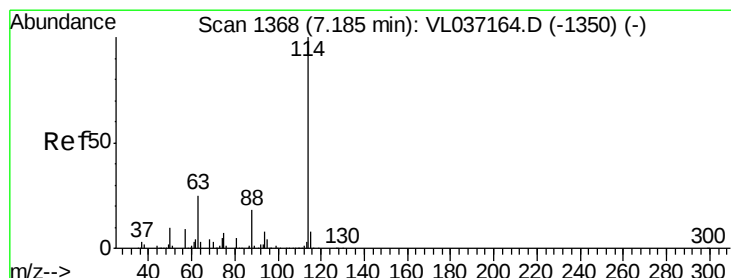
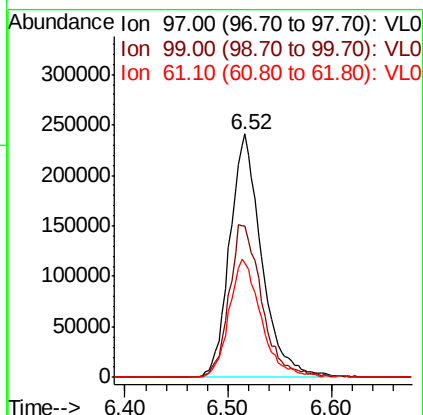
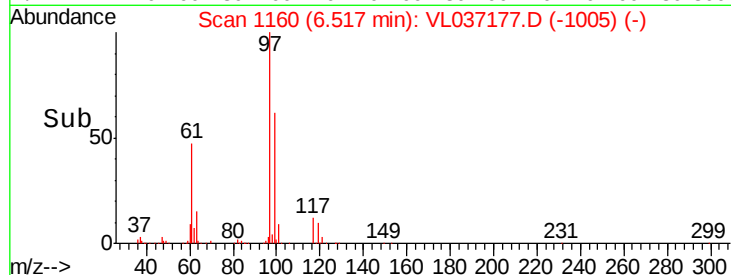


Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

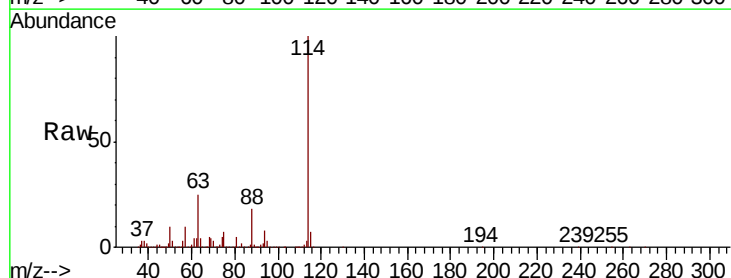
Delta R.T. -0.00 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

Tgt Ion: 114 Resp: 3980226

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.6	29.4
88	17.9	14.2	21.2

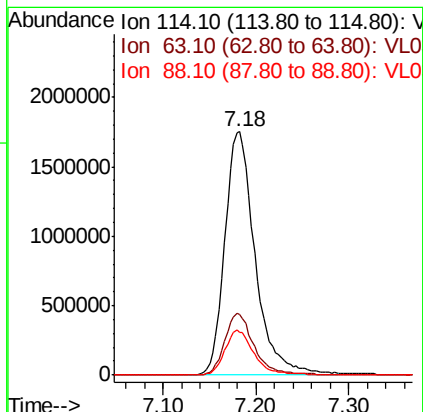
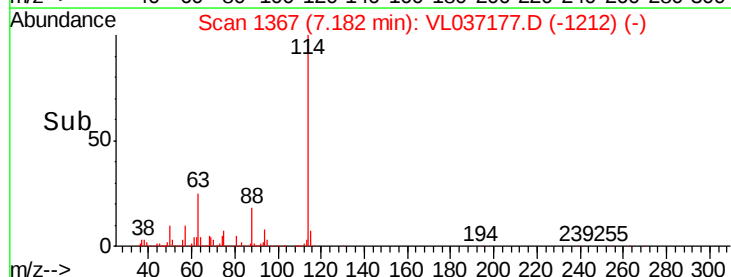


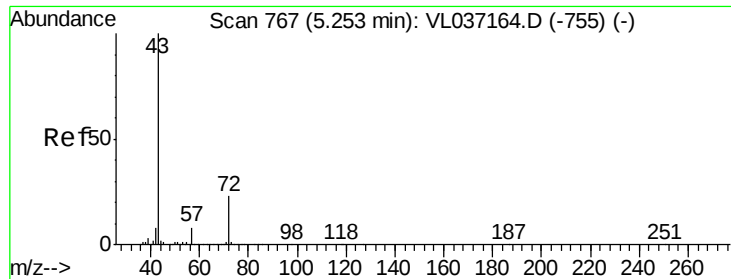
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

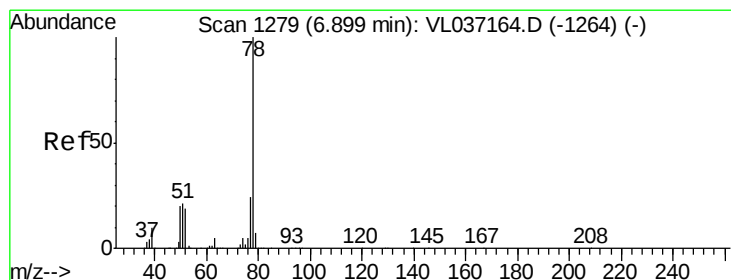
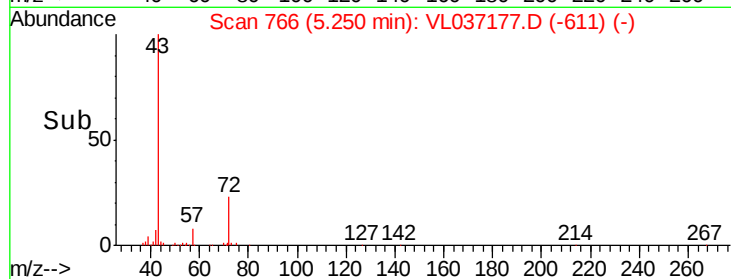
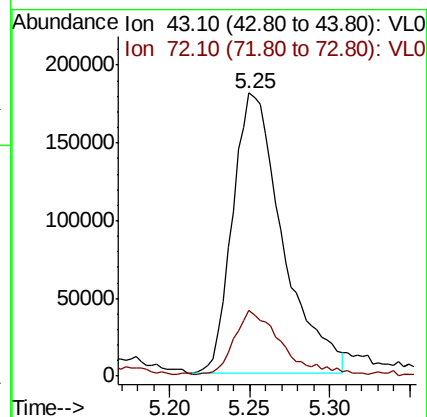
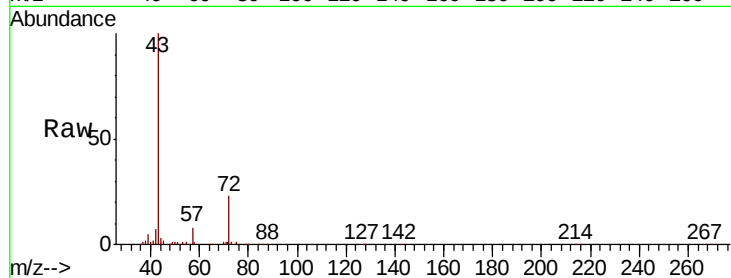




#34
2-Butanone
Concen: 2.485 ppbv
RT: 5.25 min Scan# 766
Delta R.T. -0.00 min
Lab File: VL037177.D
Acq: 16 Jun 2021 19:21

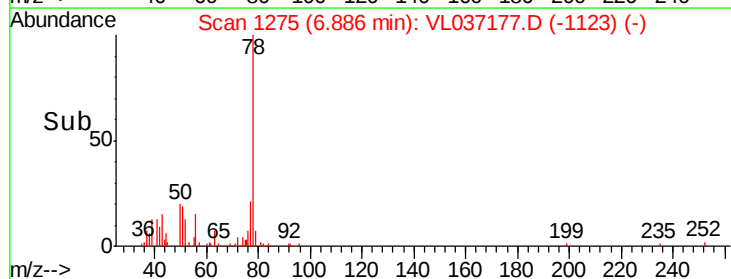
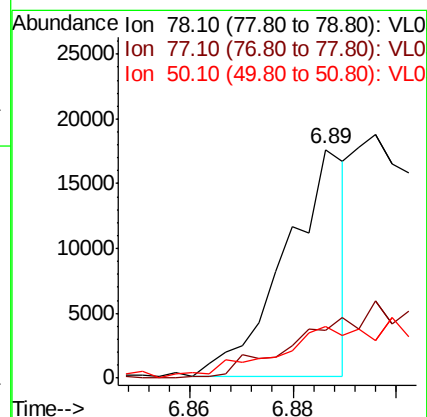
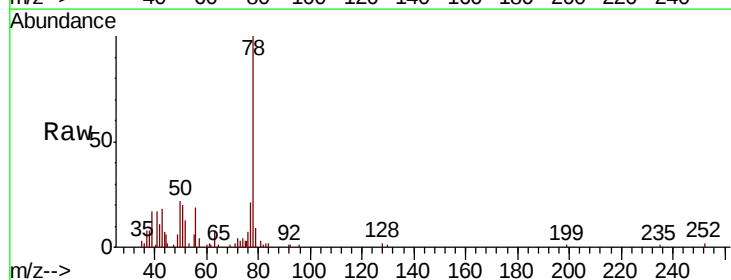
Instrument :
MSVOA_L
ClientSampleId :

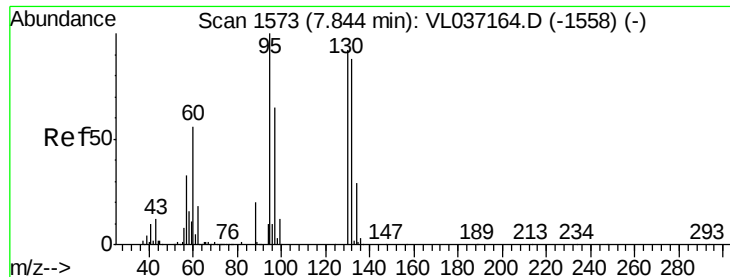
Tot Ion: 43 Resp: 384631
Ion Ratio Lower Upper
43 100
72 24.1 18.9 28.3



#36
Benzene
Concen: 0.044 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL037177.D
Acq: 16 Jun 2021 19:21

Tgt Ion: 78 Resp: 14286
Ion Ratio Lower Upper
78 100
77 19.4 19.0 28.6
50 20.2 15.7 23.5

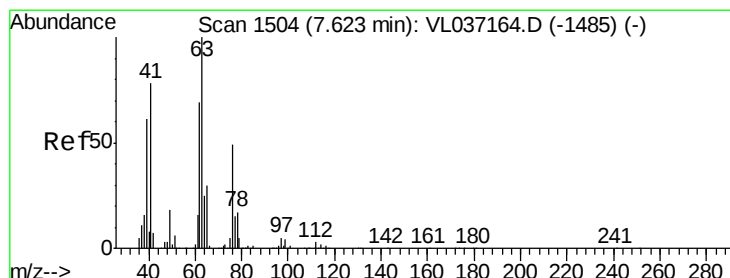
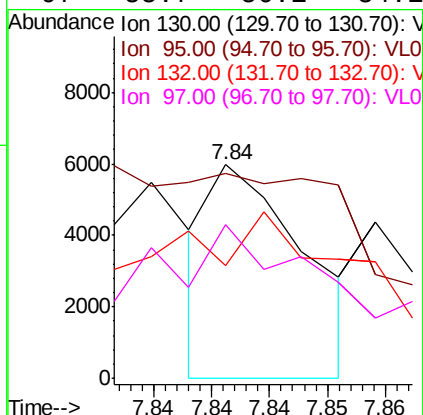
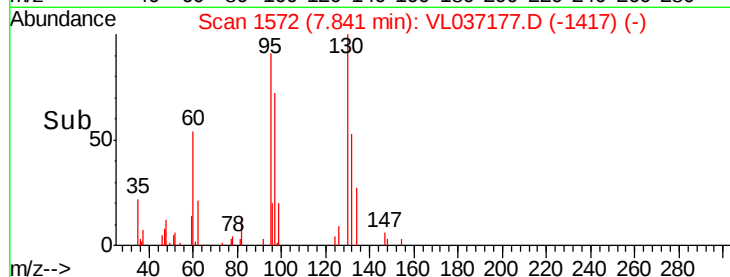
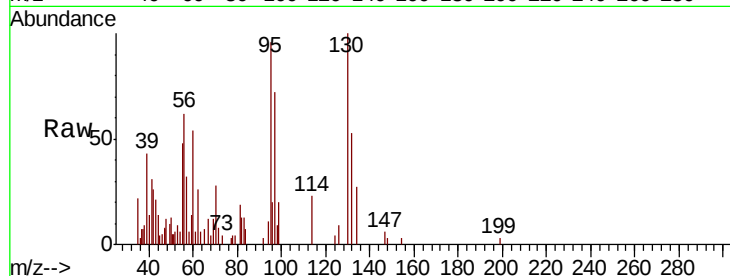




#38
 Trichloroethene
 Concen: 0.022 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL037177.D
 Acq: 16 Jun 2021 19:21

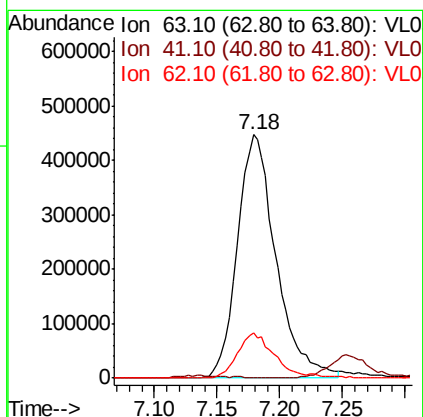
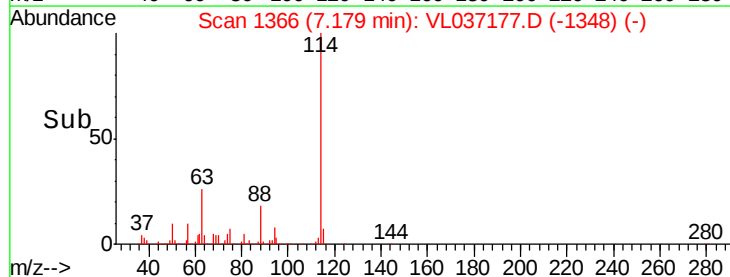
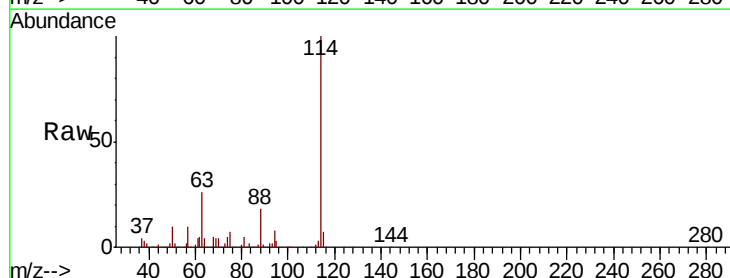
Instrument :
 MSVOA_L
 ClientSampleId :

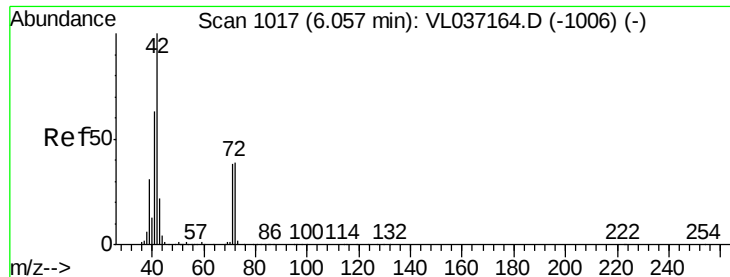
Tot Ion:130 Resp: 3359
 Ion Ratio Lower Upper
 130 100
 95 10.1 86.6 129.8#
 132 0.0 76.6 114.8#
 97 55.7 56.1 84.1#



#39
 1,2-Dichloropropane
 Concen: 7.986 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.44 min
 Lab File: VL037177.D
 Acq: 16 Jun 2021 19:21

Tgt Ion: 63 Resp: 955090
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.0 93.0#
 62 18.5 54.9 82.3#

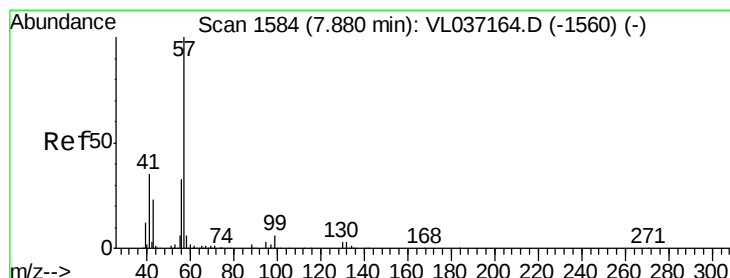
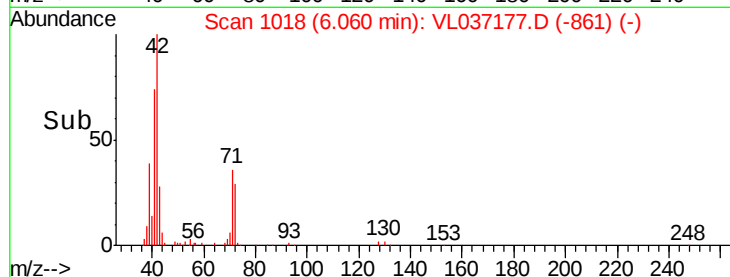
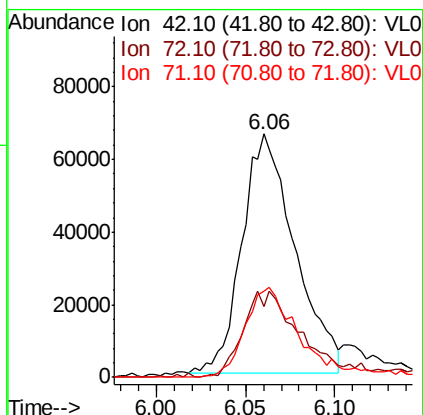
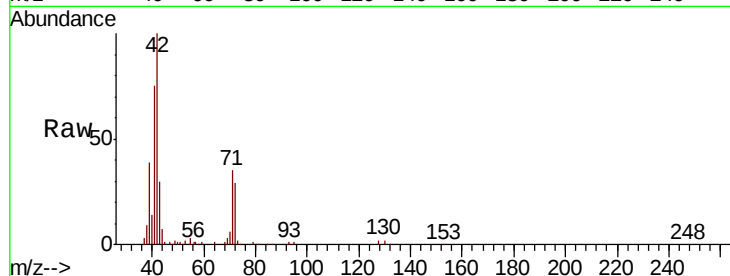




#41
Tetrahydrofuran
Concen: 1.894 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VL037177.D
Acq: 16 Jun 2021 19:21

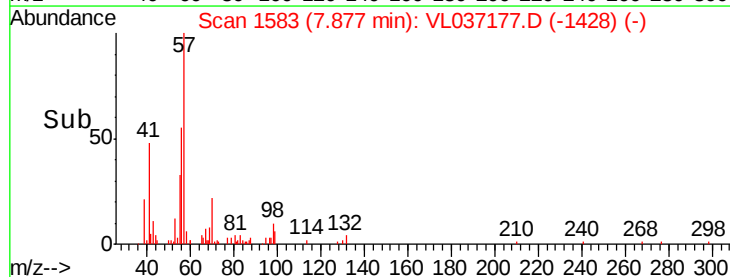
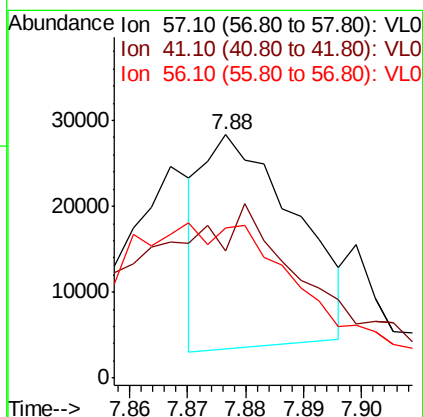
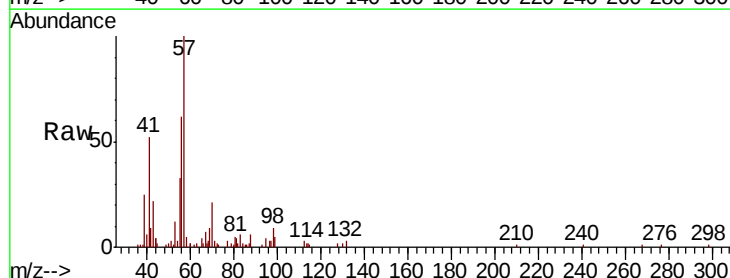
Instrument :
MSVOA_L
ClientSampleId :

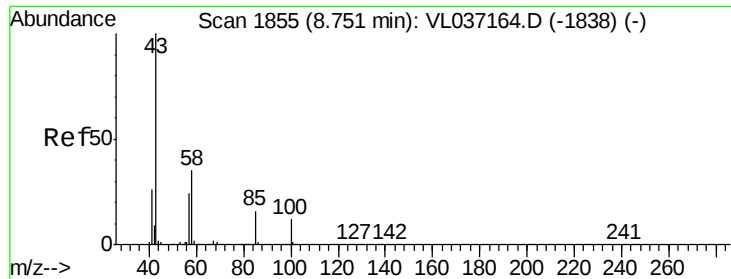
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	33.0	49.4
71	39.3	31.0	46.6



#44
2,2,4-Trimethylpentane
Concen: 0.050 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VL037177.D
Acq: 16 Jun 2021 19:21

Tgt Ion	Ratio	Lower	Upper
57	100		
41	165.3	27.6	41.4#
56	0.0	25.3	37.9#

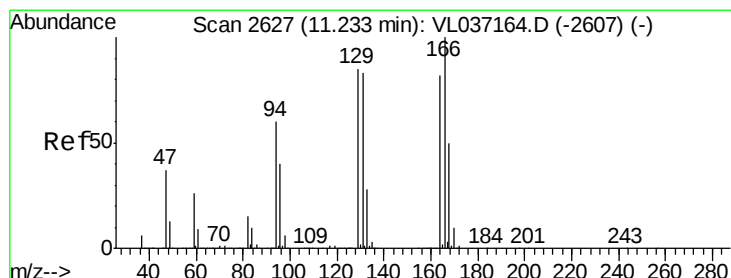
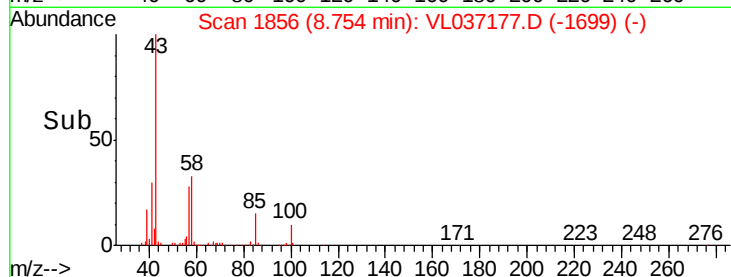
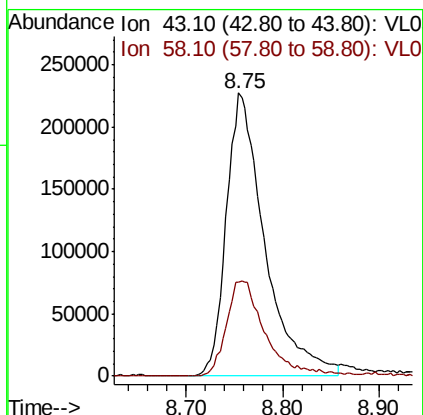
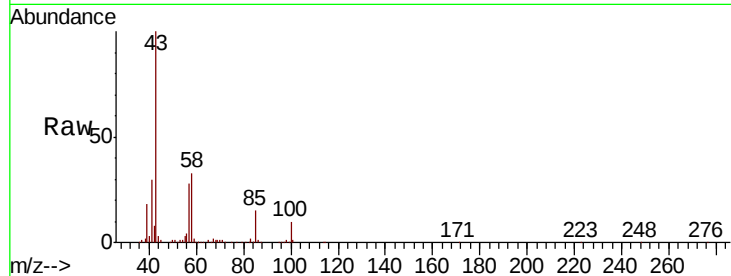




#50
4-Methyl-2-Pentanone
Concen: 2.951 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.00 min
Lab File: VL037177.D
Acq: 16 Jun 2021 19:21

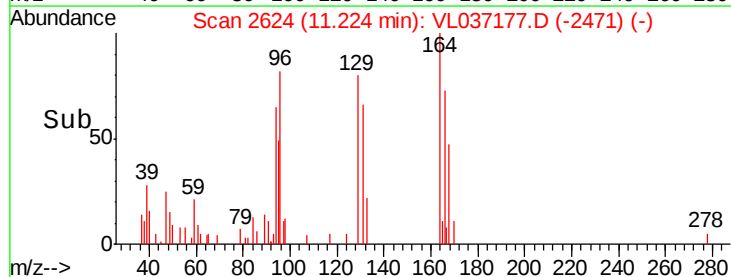
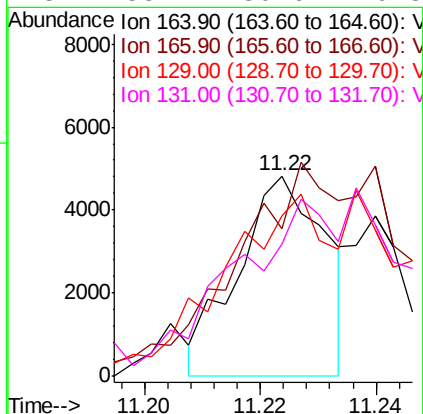
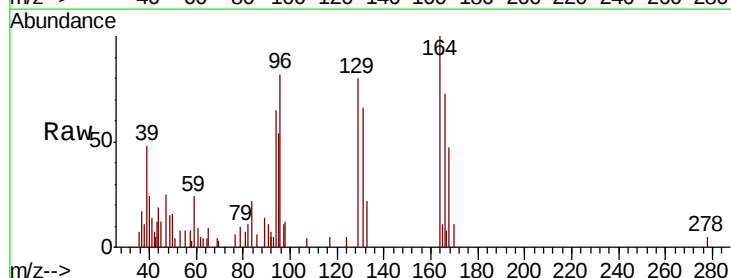
Instrument :
MSVOA_L
ClientSampled :

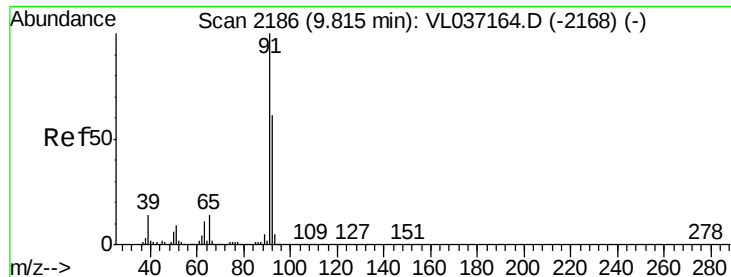
Tot Ion: 43 Resp: 627465
Ion Ratio Lower Upper
43 100
58 34.2 28.4 42.6



#52
Tetrachloroethene
Concen: 0.034 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.01 min
Lab File: VL037177.D
Acq: 16 Jun 2021 19:21

Tgt Ion: 164 Resp: 5044
Ion Ratio Lower Upper
164 100
166 56.2 97.6 146.4#
129 48.2 82.9 124.3#
131 55.1 80.6 120.8#





#53

Toluene

Concen: 8.192 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.01 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

Instrument :

MSVOA_L

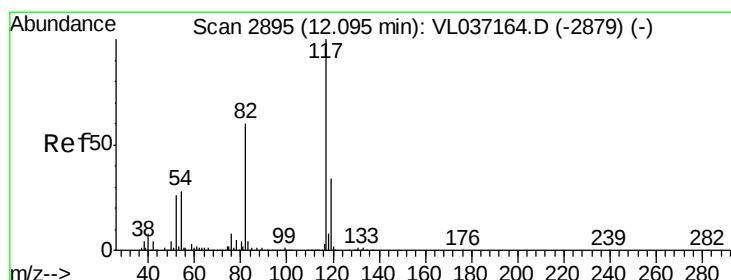
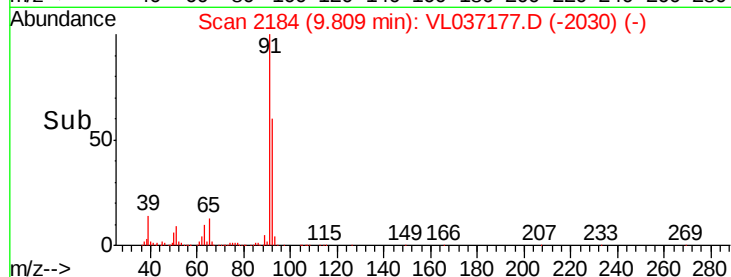
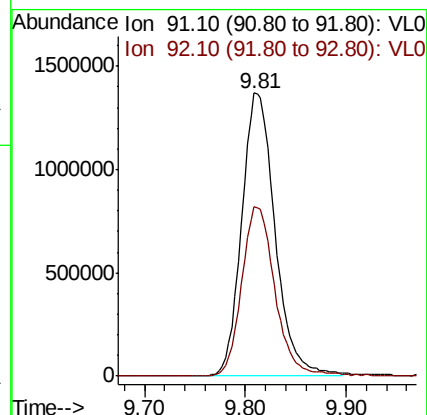
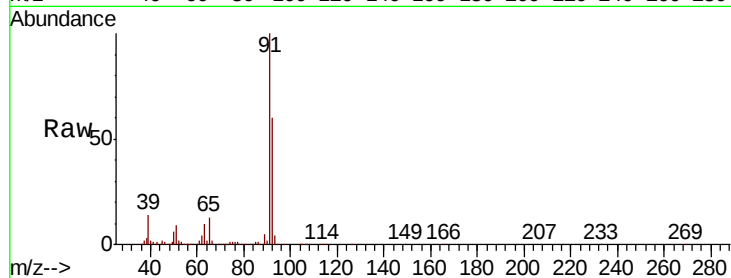
ClientSampleId :

Tot Ion: 91 Resp: 3149477

Ion Ratio Lower Upper

91 100

92 60.2 48.3 72.5



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

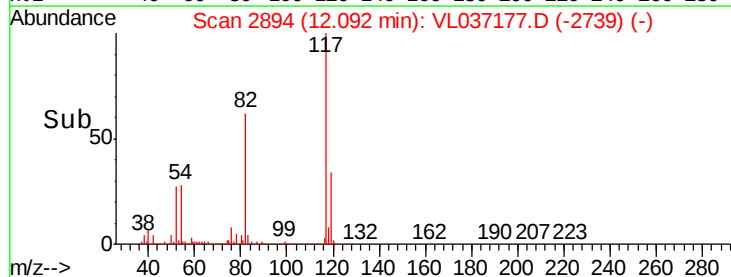
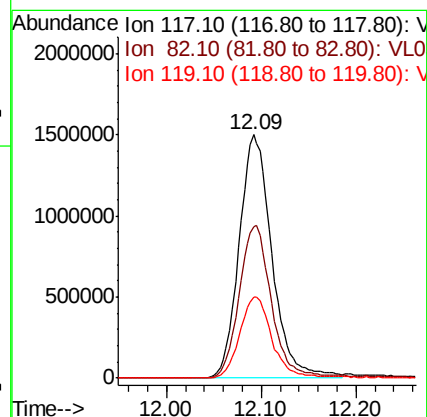
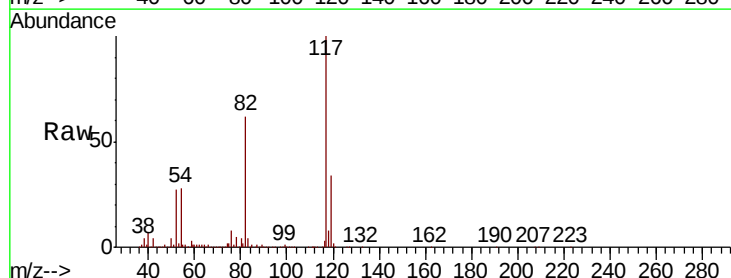
Tgt Ion: 117 Resp: 3622283

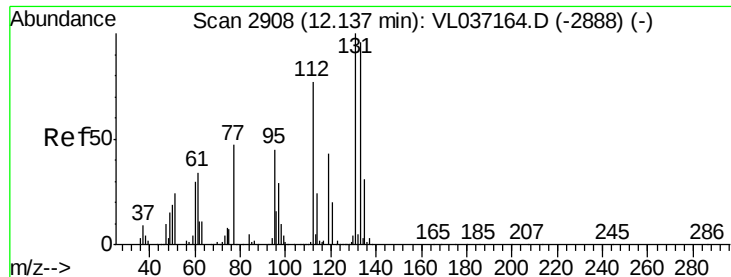
Ion Ratio Lower Upper

117 100

82 63.1 51.7 77.5

119 33.6 47.6 71.4#





#56

1,1,1,2-Tetrachloroethane

Concen: 0.117 ppbv

RT: 12.29 min Scan# 2956

Delta R.T. 0.15 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

Instrument :

MSVOA_L

ClientSampleId :

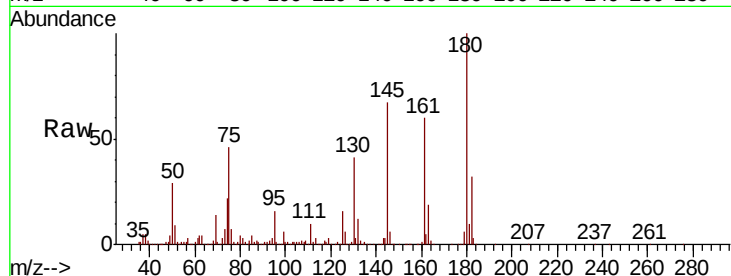
Tot Ion:131 Resp: 18467

Ion Ratio Lower Upper

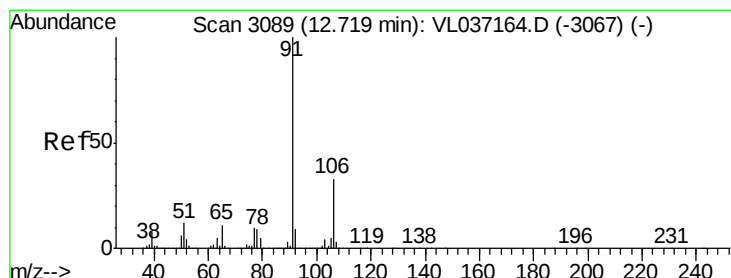
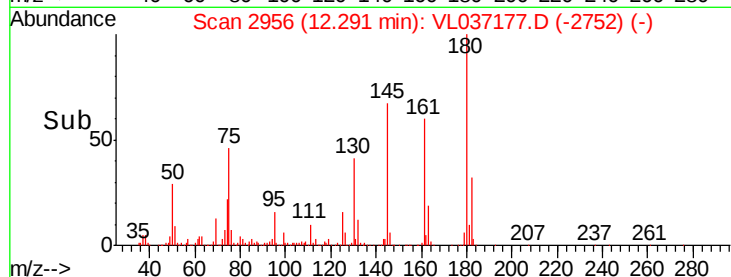
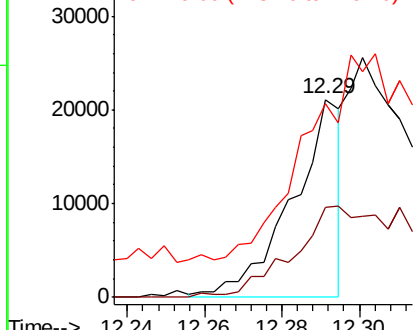
131 100

133 125.4 76.5 114.7#

119 6525.9 48.6 72.8#



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#58

Ethyl Benzene

Concen: 2.720 ppbv

RT: 12.72 min Scan# 3089

Delta R.T. 0.00 min

Lab File: VL037177.D

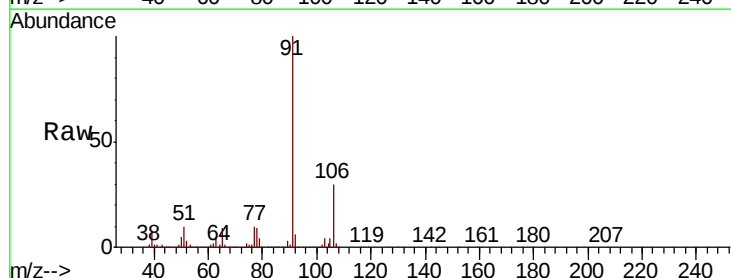
Acq: 16 Jun 2021 19:21

Tgt Ion: 91 Resp: 1356118

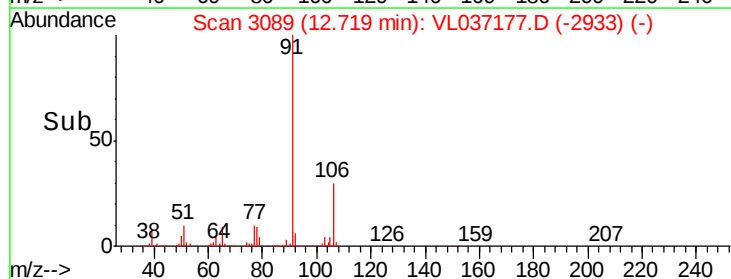
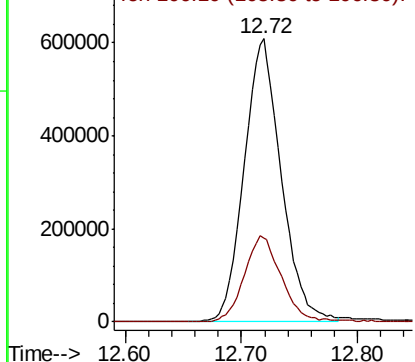
Ion Ratio Lower Upper

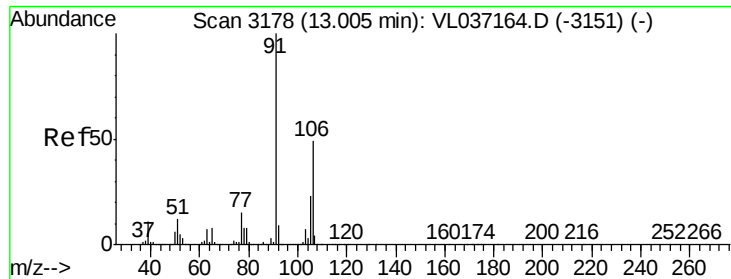
91 100

106 29.6 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

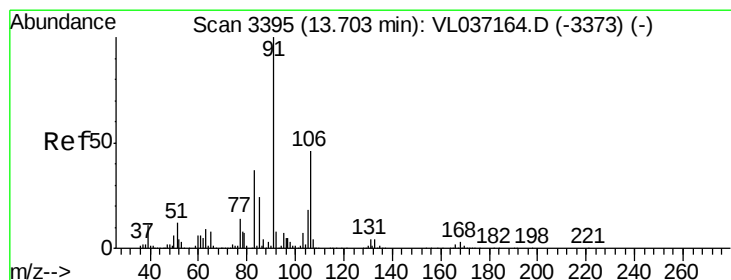
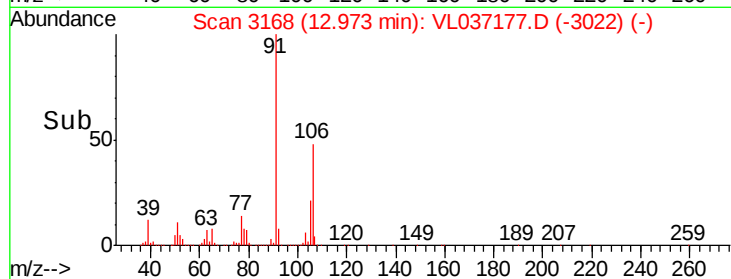
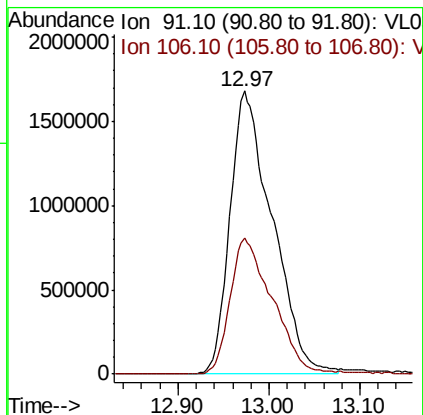
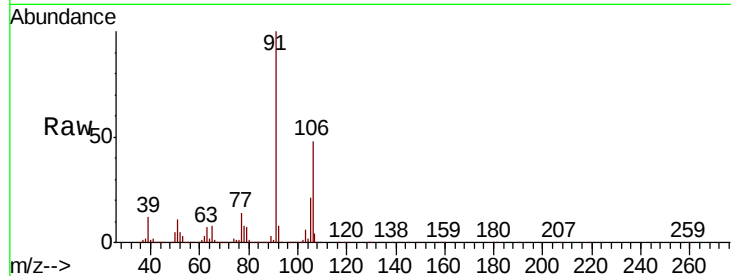




#59
m/p-Xylene
Concen: 12.762 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. -0.03 min
Lab File: VL037177.D
Acq: 16 Jun 2021 19:21

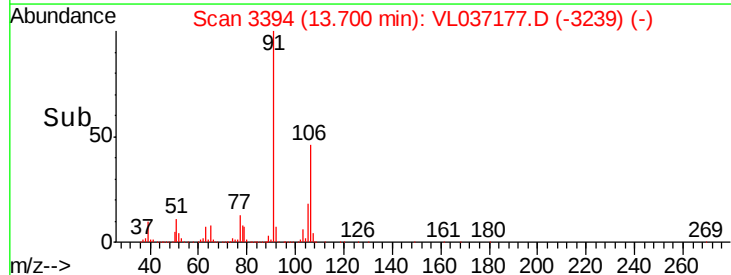
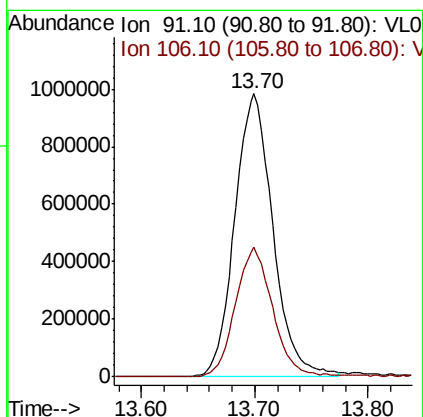
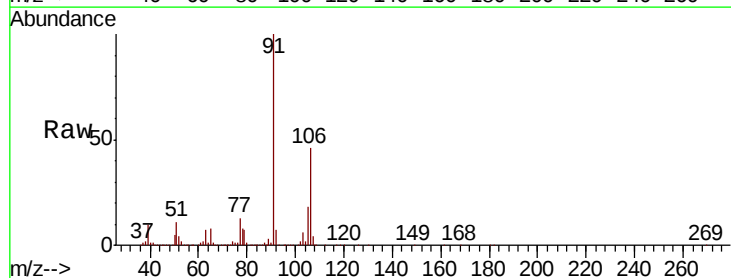
Instrument :
MSVOA_L
ClientSampleId :

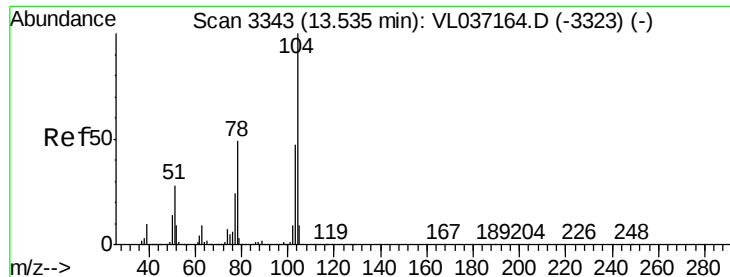
Tot Ion: 91 Resp: 5393179
Ion Ratio Lower Upper
91 100
106 48.9 37.0 55.4



#60
o-Xylene
Concen: 5.722 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL037177.D
Acq: 16 Jun 2021 19:21

Tgt Ion: 91 Resp: 2302307
Ion Ratio Lower Upper
91 100
106 45.6 23.0 69.0





#61

Stvrene

Concen: 0.048 ppbv

RT: 13.53 min Scan# 3341

Delta R.T. -0.01 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

Instrument :

MSVOA_L

ClientSampleId :

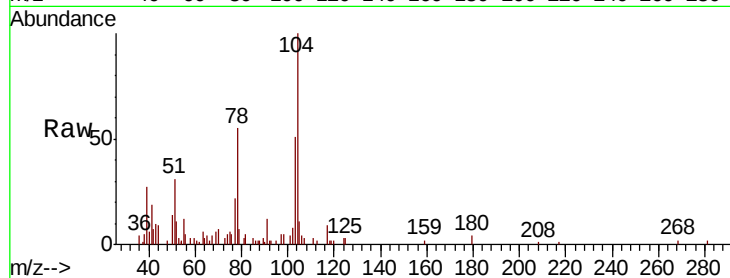
Tot Ion:104 Resp: 9972

Ion Ratio Lower Upper

104 100

78 169.4 39.7 59.5#

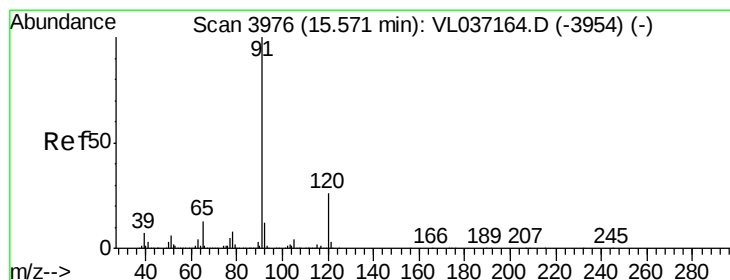
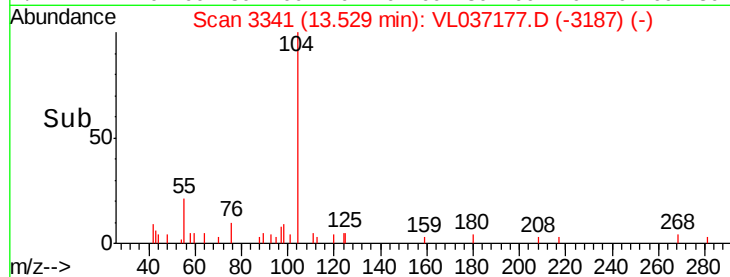
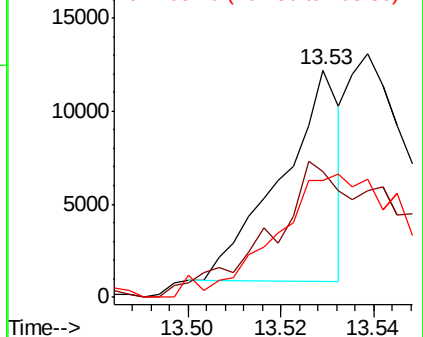
103 169.0 37.6 56.4#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#64

n-propylbenzene

Concen: 0.020 ppbv

RT: 15.57 min Scan# 3977

Delta R.T. 0.00 min

Lab File: VL037177.D

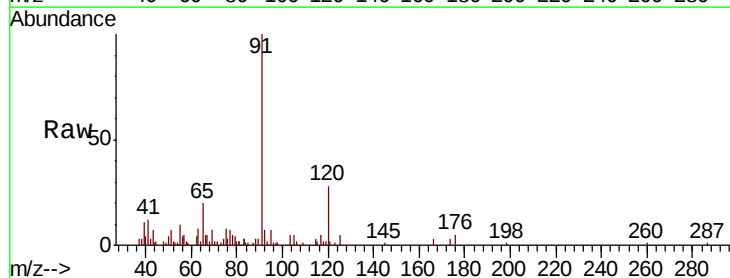
Acq: 16 Jun 2021 19:21

Tgt Ion:120 Resp: 2899

Ion Ratio Lower Upper

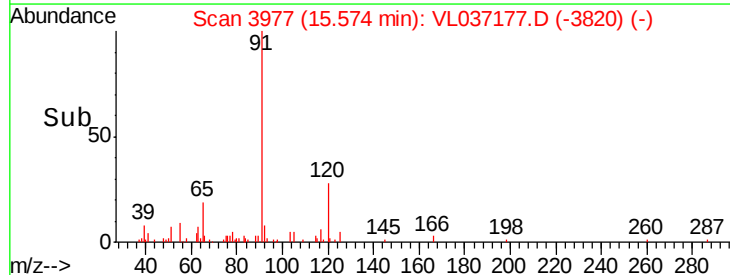
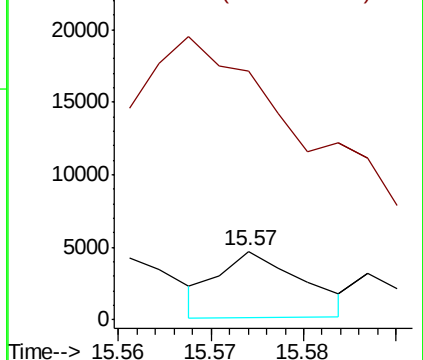
120 100

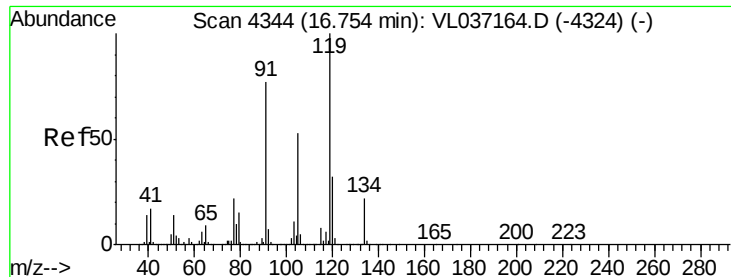
91 1532.9 343.3 514.9#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.024 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.01 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

Instrument :

MSVOA_L

ClientSampleId :

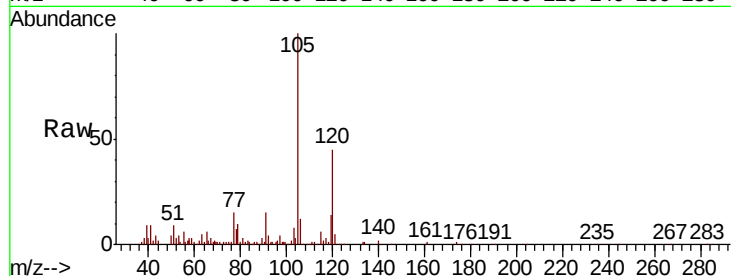
Tot Ion:119 Resp: 12010

Ion Ratio Lower Upper

119 100

91 0.0 62.6 93.8#

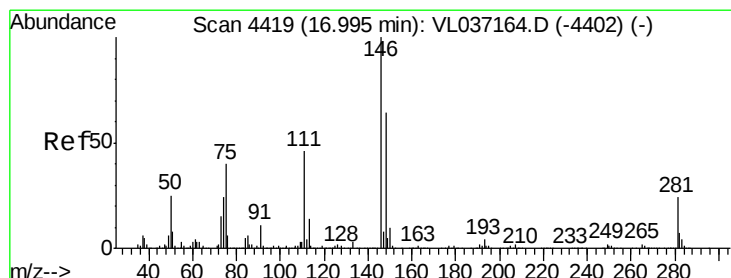
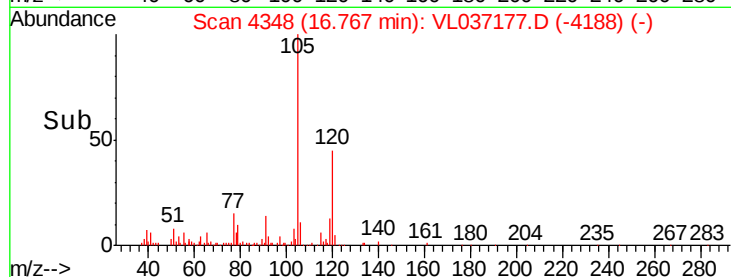
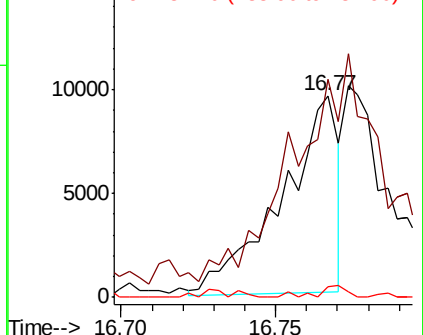
134 0.0 16.2 24.4#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.024 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. -0.01 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

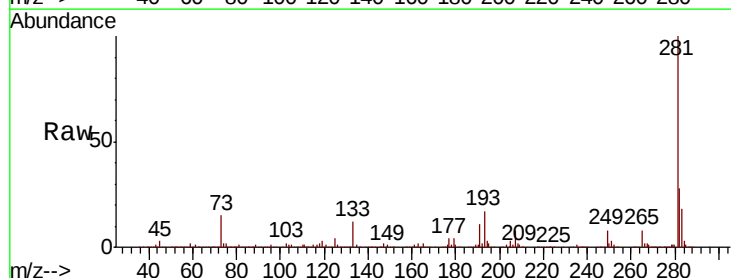
Tgt Ion: 91 Resp: 523

Ion Ratio Lower Upper

91 100

126 0.0 15.5 23.3#

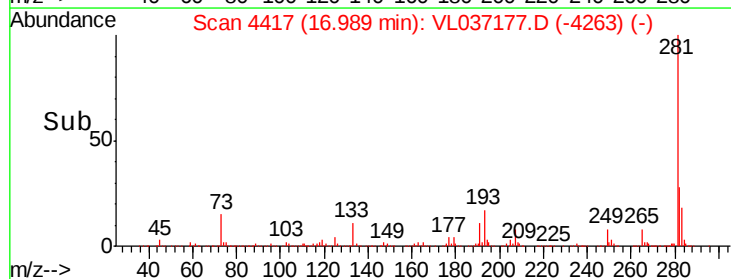
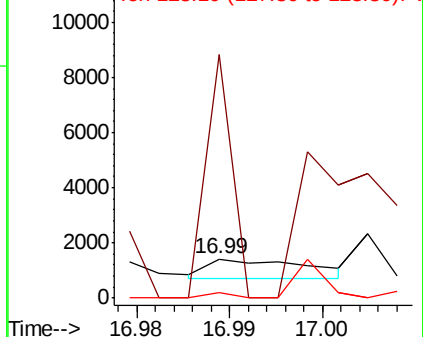
128 0.0 5.7 8.5#

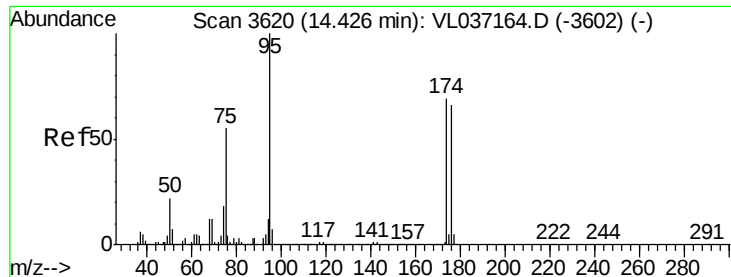


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

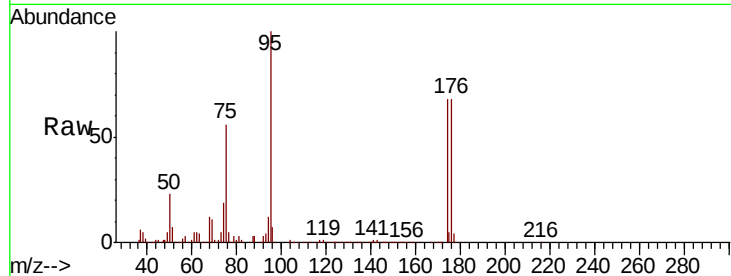




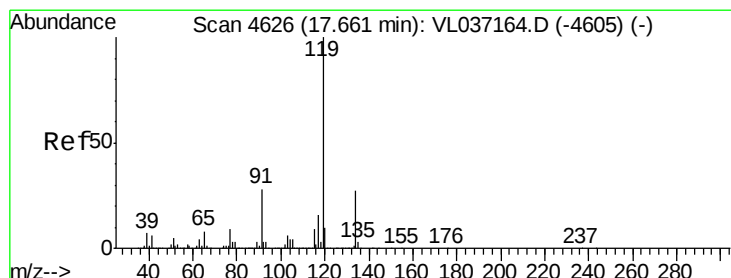
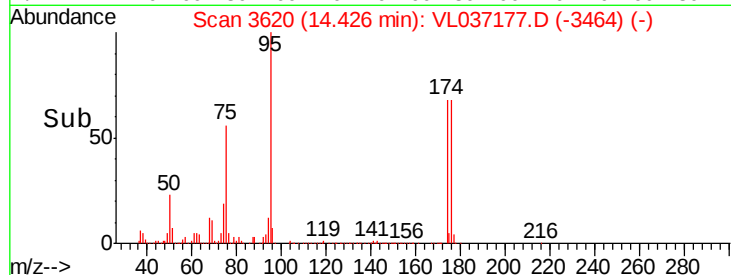
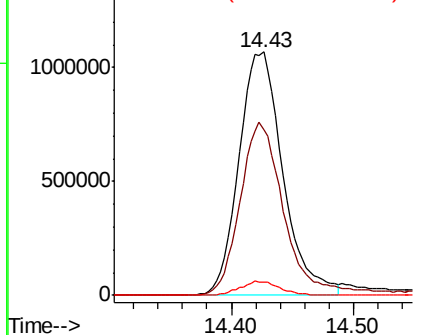
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.692 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. 0.00 min
 Lab File: VL037177.D
 Acq: 16 Jun 2021 19:21

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 95 Resp: 2660301
 Ion Ratio Lower Upper
 95 100
 174 73.8 57.0 85.4
 175 5.6 4.4 6.6

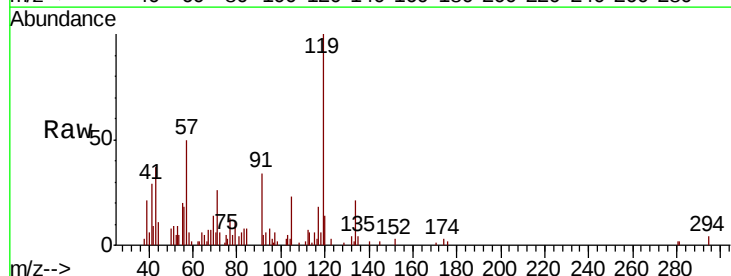


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

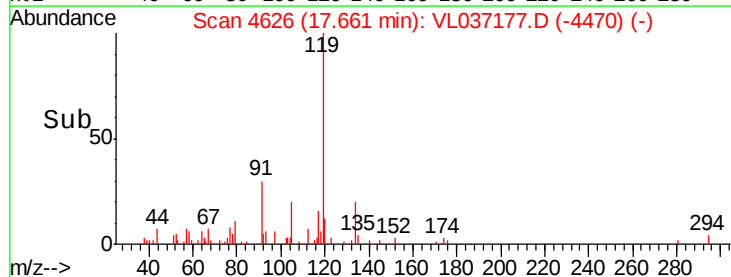
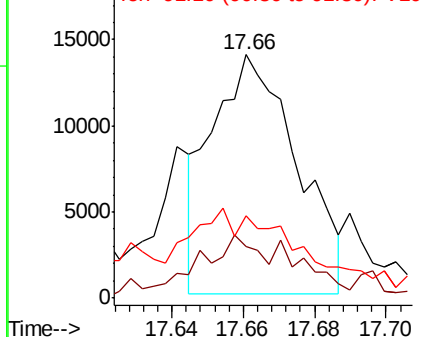


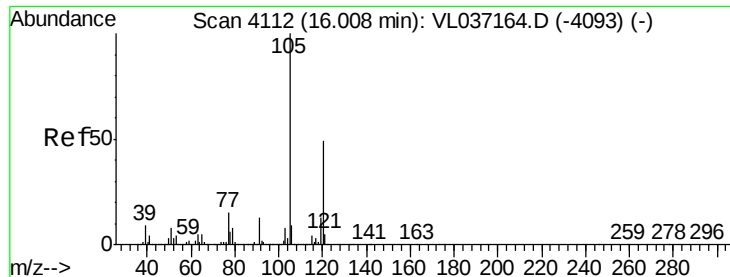
#69
 p-Isopropyltoluene
 Concen: 0.040 ppbv
 RT: 17.66 min Scan# 4626
 Delta R.T. 0.00 min
 Lab File: VL037177.D
 Acq: 16 Jun 2021 19:21

Tgt Ion: 119 Resp: 23025
 Ion Ratio Lower Upper
 119 100
 134 36.6 20.9 31.3#
 91 47.6 22.6 34.0#



Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 0.106 ppbv

RT: 16.00 min Scan# 4111

Delta R.T. -0.00 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

Instrument :

MSVOA_L

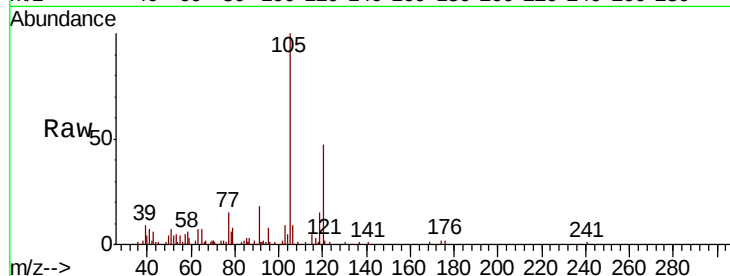
ClientSampleId :

Tot Ion:105 Resp: 46714

Ion Ratio Lower Upper

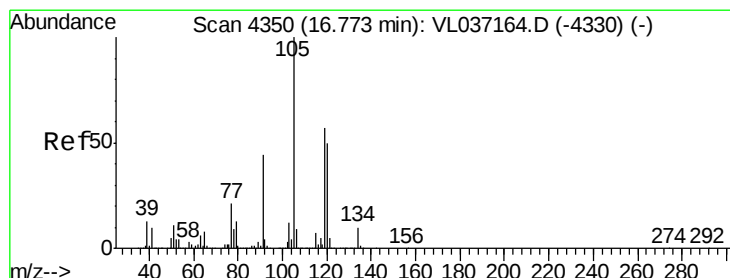
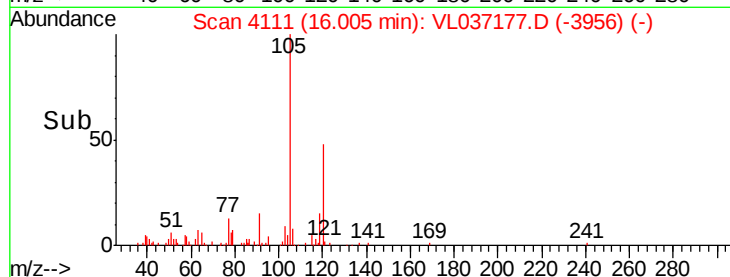
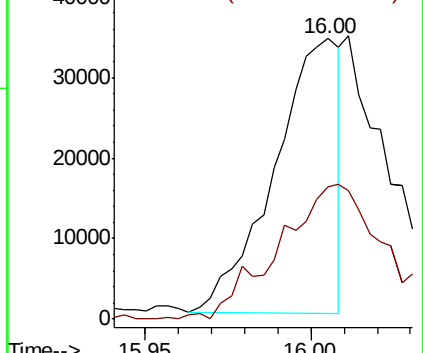
105 100

120 47.2 39.4 59.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.394 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.00 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

Tgt Ion:105 Resp: 179223

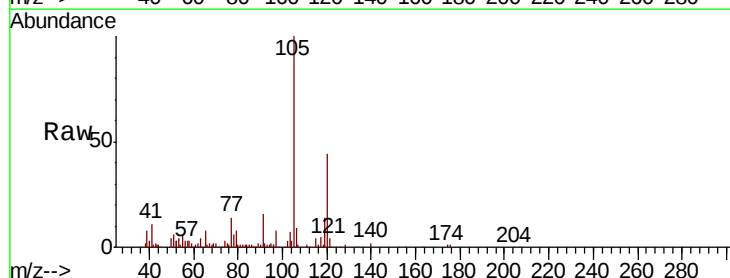
Ion Ratio Lower Upper

105 100

120 44.5 39.8 59.8

91 14.4 37.0 55.4#

77 12.5 17.0 25.4#

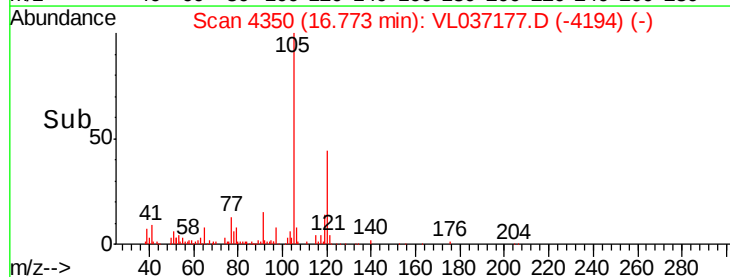
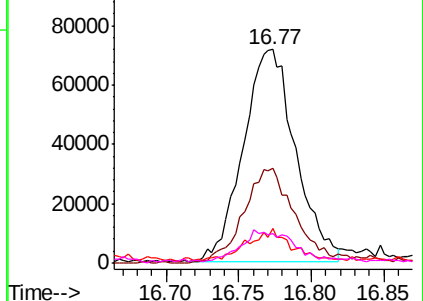


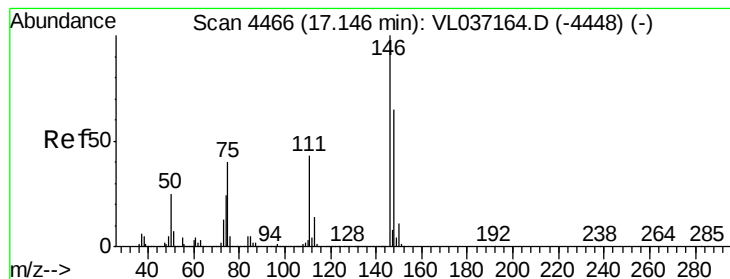
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#76

1,4-Dichlorobenzene

Concen: 0.027 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. -0.01 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

Instrument :

MSVOA_L

ClientSampled :

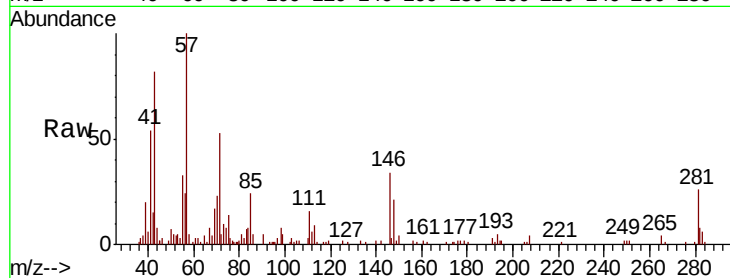
Tot Ion:146 Resp: 7584

Ion Ratio Lower Upper

146 100

111 0.0 22.7 68.0#

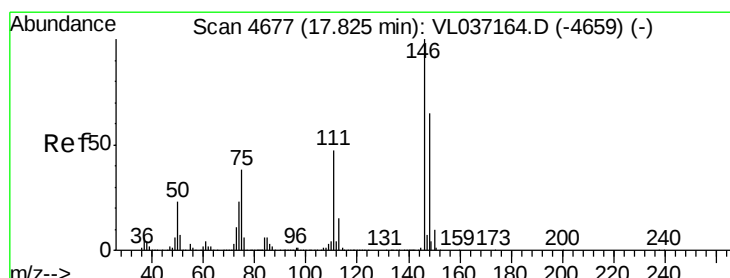
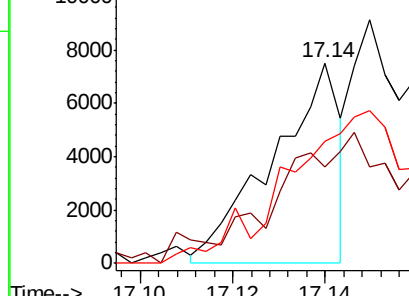
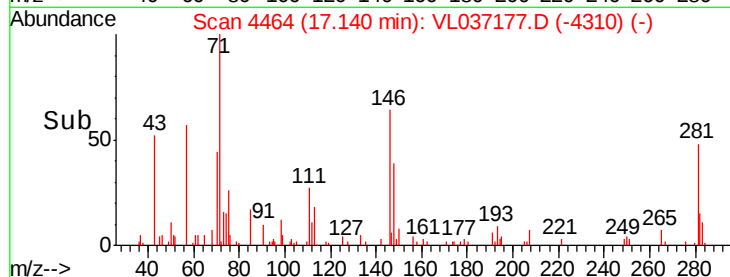
148 0.0 33.7 101.1#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#77

1,2-Dichlorobenzene

Concen: 0.042 ppbv

RT: 17.82 min Scan# 4676

Delta R.T. -0.00 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

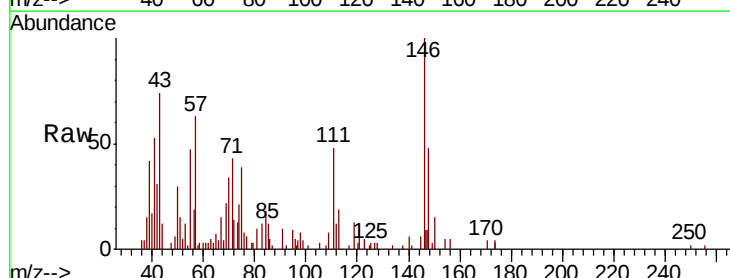
Tgt Ion:146 Resp: 11200

Ion Ratio Lower Upper

146 100

111 123.8 23.3 69.8#

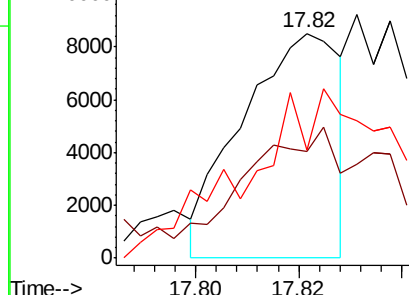
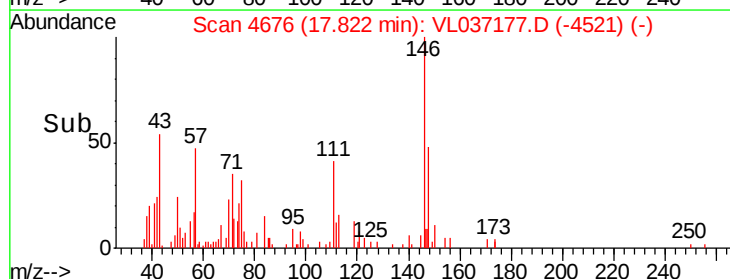
148 146.8 32.4 97.0#

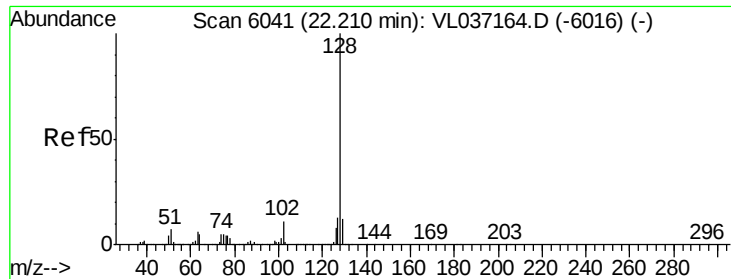


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

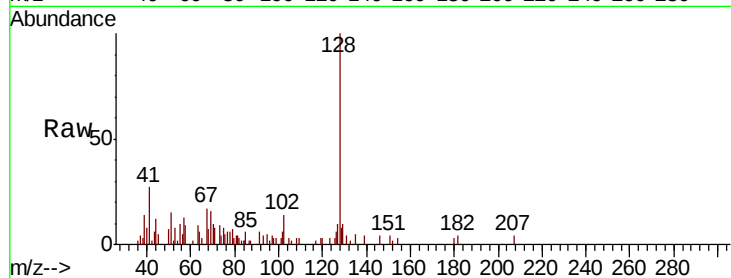




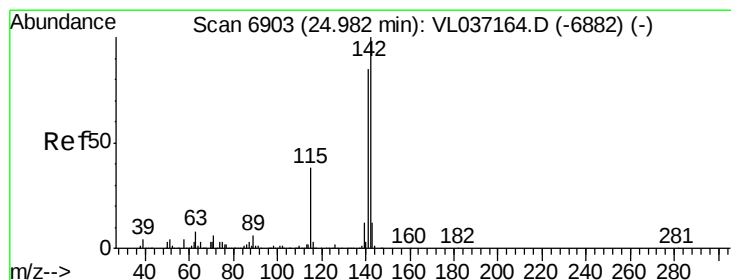
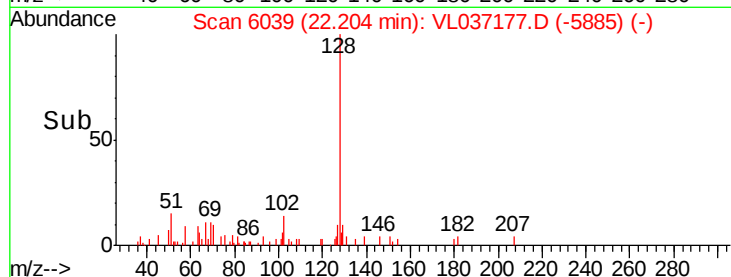
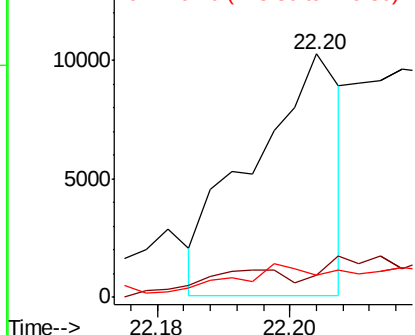
#79
Naphthalene
Concen: 0.025 ppbv
RT: 22.20 min Scan# 6039
Delta R.T. -0.01 min
Lab File: VL037177.D
Acq: 16 Jun 2021 19:21

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:128 Resp: 9393
Ion Ratio Lower Upper
128 100
127 5.6 10.7 16.1#
129 7.1 9.3 13.9#

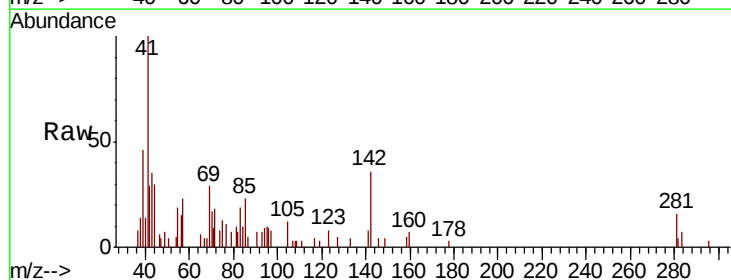


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

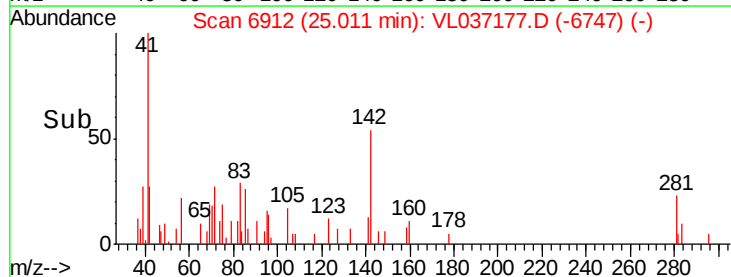
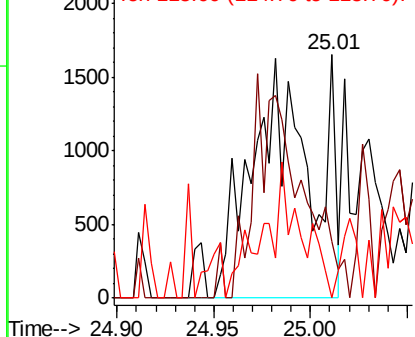


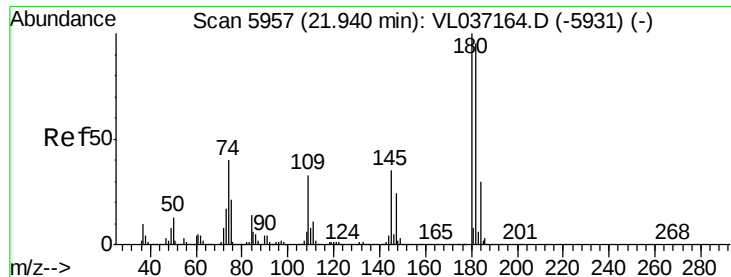
#80
Naphthalene, 2-methyl-
Concen: 0.035 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. 0.03 min
Lab File: VL037177.D
Acq: 16 Jun 2021 19:21

Tgt Ion:142 Resp: 3487
Ion Ratio Lower Upper
142 100
141 85.6 63.7 95.5
115 36.7 30.6 45.8



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 0.040 ppbv

RT: 21.93 min Scan# 5955

Delta R.T. -0.01 min

Lab File: VL037177.D

Acq: 16 Jun 2021 19:21

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:180 Resp: 8662

Ion Ratio Lower Upper

180 100

182 0.0 79.3 118.9#

184 0.0 24.7 37.1#

