

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037477.D
 Acq On : 17 Aug 2021 1:14
 Operator : SY/AP
 Sample : M2940-14 0.5 LOQ
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 17 02:24:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1369622	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4114896	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3547209	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2723608	10.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	170114	0.774	ppbv	90
3) Chlorodifluoromethane	2.98	51	146737	0.559	ppbv	97
4) Chloromethane	3.13	50	49198	0.525	ppbv	98
5) Vinyl Chloride	3.25	62	49984	0.521	ppbv #	88
6) Bromomethane	3.46	94	22026	0.419	ppbv #	73
7) Chloroethane	3.55	64	19845	0.606	ppbv #	77
8) Dichlorotetrafluoroethane	3.18	85	128657	0.567	ppbv	95
9) Propene	3.00	41	40255	0.429	ppbv #	80
10) Heptane	8.11	43	92830	0.430	ppbv	89
11) Trichlorofluoromethane	3.94	101	109881	0.533	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.47	101	82635	0.546	ppbv	95
13) Ethanol	3.61	45	1667	0.183	ppbv #	1
14) Bromoethene	3.73	108	27598	0.402	ppbv #	69
15) Acetone	3.86	43	62868	0.451	ppbv #	28
16) 1,3-Butadiene	3.32	39	41955	0.469	ppbv	89
18) 1,1-Dichloroethene	4.27	96	17734	0.258	ppbv	97
19) Isopropyl Alcohol	3.99	45	2859	0.036	ppbv #	1
20) Methylene Chloride	4.33	84	44503	0.638	ppbv #	81
21) Allvl Chloride	4.40	41	20712	0.183	ppbv #	1
22) trans-1,2-Dichloroethene	4.87	96	21581	0.315	ppbv	95
23) Vinyl Acetate	5.07	43	85236	0.415	ppbv #	91
24) 1,1-Dichloroethane	4.99	63	38700	0.260	ppbv	99
25) Ethyl Acetate	5.68	43	180940	0.511	ppbv #	97
26) Hexane	5.67	57	84868	0.491	ppbv	94
27) Carbon Disulfide	4.54	76	8081	0.052	ppbv #	1
28) Methyl tert-Butyl Ether	5.03	73	28574	0.172	ppbv #	51
29) Chloroform	5.73	83	135632	0.553	ppbv	91
30) Cyclohexane	7.11	84	31531	0.219	ppbv #	9
31) cis-1,2-Dichloroethene	5.54	61	28353	0.181	ppbv #	87
32) 1,1,1-Trichloroethane	6.49	97	123124	0.511	ppbv	96
34) 2-Butanone	5.26	43	70403	0.419	ppbv #	82
35) Carbon Tetrachloride	7.01	117	61226	0.252	ppbv	94
36) Benzene	6.87	78	165446	0.478	ppbv	96
37) 1,2-Dichloroethane	6.29	62	79509	0.464	ppbv #	95
38) Trichloroethene	7.81	130	30017	0.211	ppbv	96
39) 1,2-Dichloropropane	7.60	63	64157	0.483	ppbv	89
42) Bromodichloromethane	7.77	83	110975	0.443	ppbv	93
43) Methyl Methacrylate	8.01	69	27118	0.225	ppbv #	4
44) 2,2,4-Trimethylpentane	7.86	57	136807	0.235	ppbv #	31
45) t-1,3-Dichloropropene	9.26	75	10629	0.117	ppbv	98
46) cis-1,3-Dichloropropene	8.69	75	35703	0.282	ppbv #	83

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 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

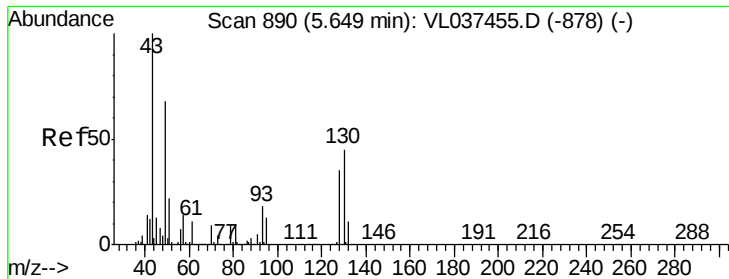
Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 17 02:24:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

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

47) 1,1,2-Trichloroethane	9.46	97	28392	0.198	ppbv #	83
48) Dibromochloromethane	10.29	129	47575	0.230	ppbv #	9
49) Bromoform	13.02	173	36983	0.227	ppbv #	54
51) 2-Hexanone	10.15	43	13460	0.133	ppbv #	27
52) Tetrachloroethene	11.21	164	43600	0.308	ppbv	91
53) Toluene	9.79	91	87828	0.222	ppbv #	27
54) 1,2-Dibromoethane	10.60	107	96888	0.483	ppbv	88
56) 1,1,1,2-Tetrachloroethane	12.11	131	30075	0.203	ppbv #	1
57) Chlorobenzene	12.13	112	85458	0.290	ppbv #	96
58) Ethyl Benzene	12.70	91	216929	0.441	ppbv	97
59) m/p-Xylene	12.98	91	177338	0.416	ppbv #	30
60) o-Xylene	13.67	91	203188	0.510	ppbv	97
61) Styrene	13.51	104	66450	0.321	ppbv #	85
62) Isopropylbenzene	14.65	105	299234	0.532	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.65	83	71330	0.241	ppbv #	4
64) n-propylbenzene	15.82	120	8695	0.061	ppbv	70
65) tert-Butylbenzene	16.73	119	123431	0.241	ppbv #	20
66) Benzyl Chloride	16.96	91	4603	0.199	ppbv #	1
67) sec-Butylbenzene	17.27	105	355293	0.497	ppbv	99
69) p-Isopropyltoluene	17.64	119	273196	0.469	ppbv	97
70) n-Butylbenzene	18.54	91	231555	0.416	ppbv	95
71) 2-Chlorotoluene	15.43	91	201229	0.488	ppbv	95
72) 4-Ethyltoluene	15.82	105	109335	0.231	ppbv #	53
73) 1,3,5-Trimethylbenzene	15.98	105	207552	0.471	ppbv	90
74) 1,2,4-Trimethylbenzene	16.74	105	123337	0.263	ppbv	90
75) 1,3-Dichlorobenzene	16.98	146	141134	0.500	ppbv	91
76) 1,4-Dichlorobenzene	17.12	146	120516	0.424	ppbv	83
77) 1,2-Dichlorobenzene	17.80	146	74781	0.269	ppbv #	24
78) Hexachloro-1,3-Butadiene	23.36	225	126467	0.548	ppbv	94
79) Naphthalene	22.18	128	49942	0.159	ppbv #	91
80) Naphthalene,2-methyl-	24.98	142	7353	0.084	ppbv #	65
81) 1,2,4-Trichlorobenzene	21.90	180	26637	0.135	ppbv #	1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :
MSVOA_L
ClientSampled :

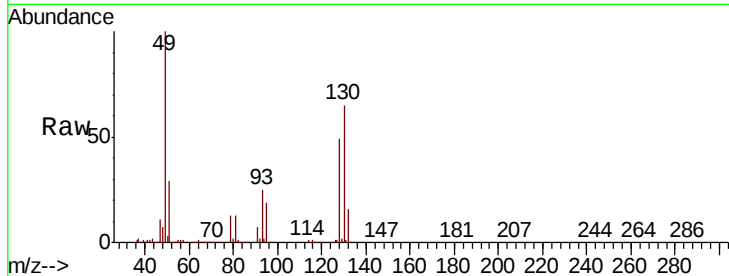
Tot Ion: 49 Resp: 1369622

Ion Ratio Lower Upper

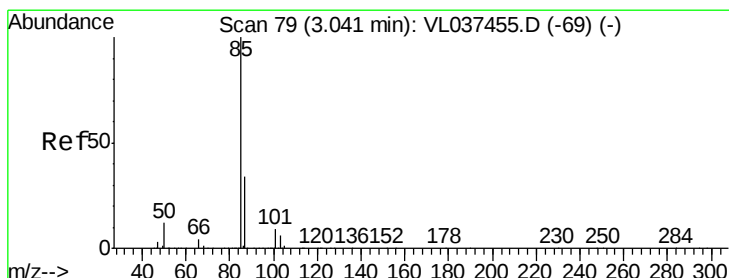
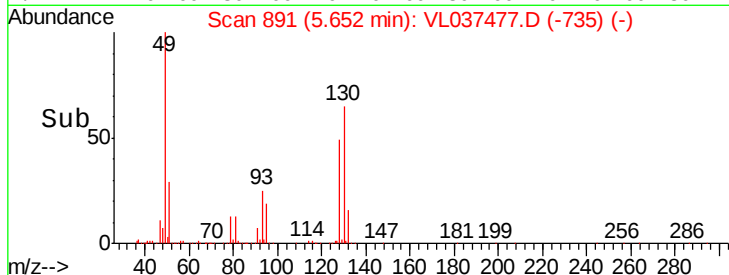
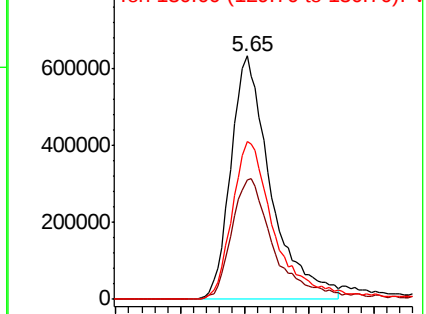
49 100

128 55.4 27.5 82.4

130 70.4 34.0 101.8



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: 0.774 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL037477.D

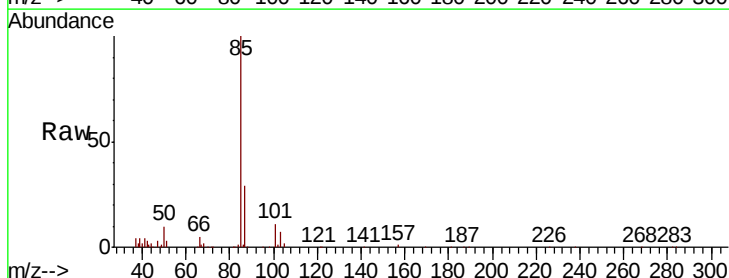
Acq: 17 Aug 2021 1:14

Tgt Ion: 85 Resp: 170114

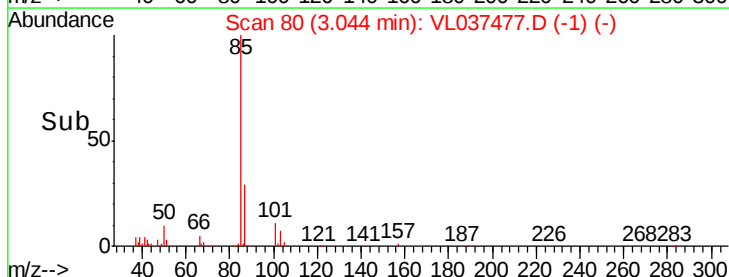
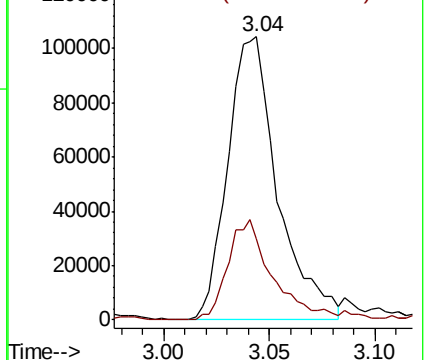
Ion Ratio Lower Upper

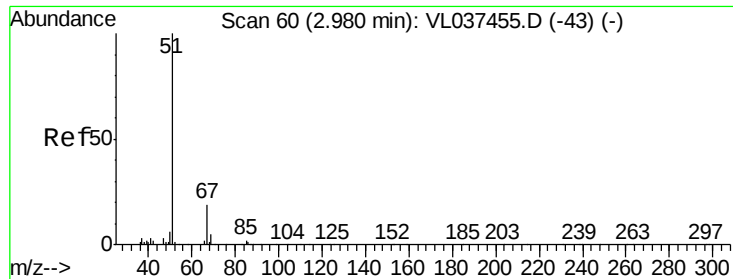
85 100

87 28.7 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0

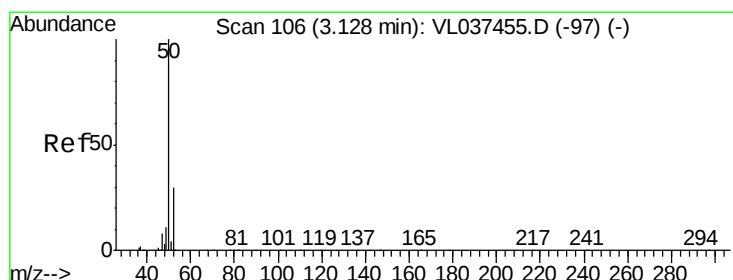
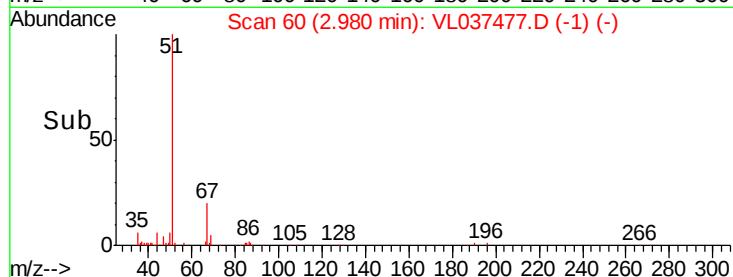
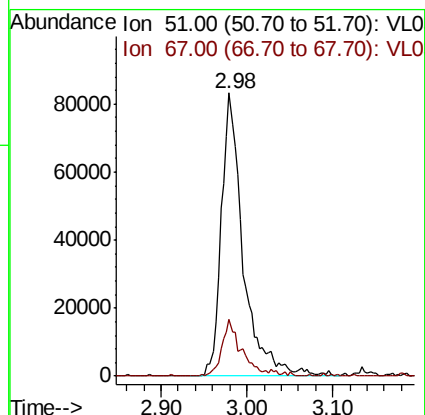
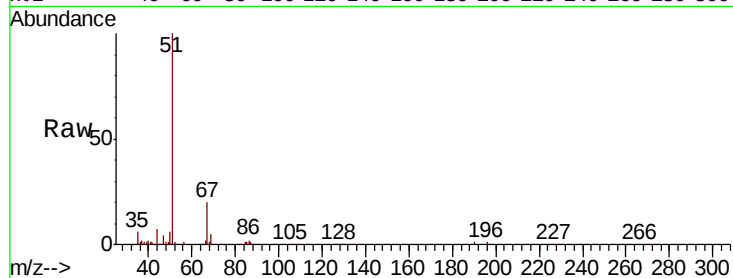




#3
Chlorodifluoromethane
Concen: 0.559 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

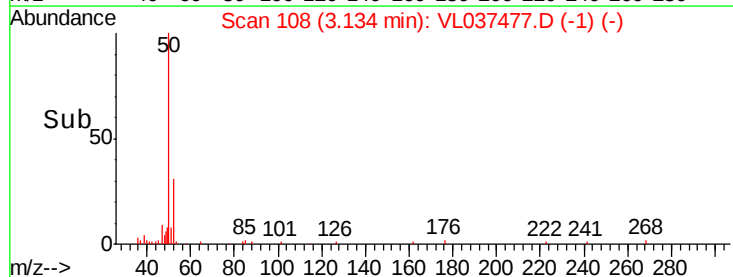
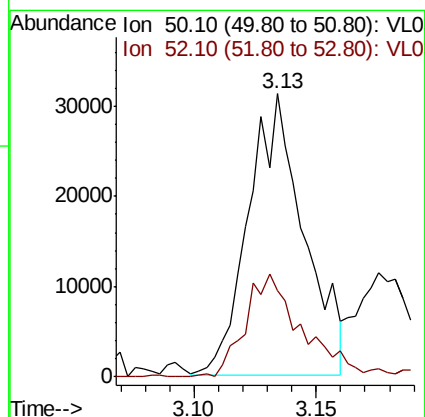
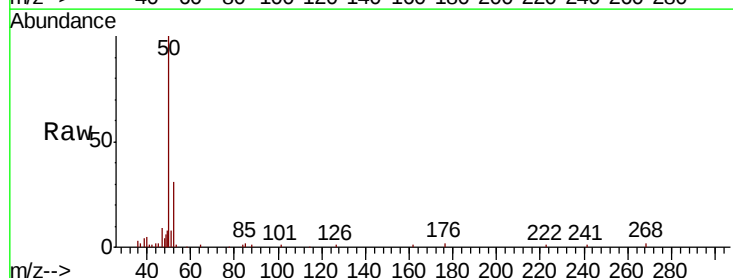
Instrument :
MSVOA_L
ClientSampleId :

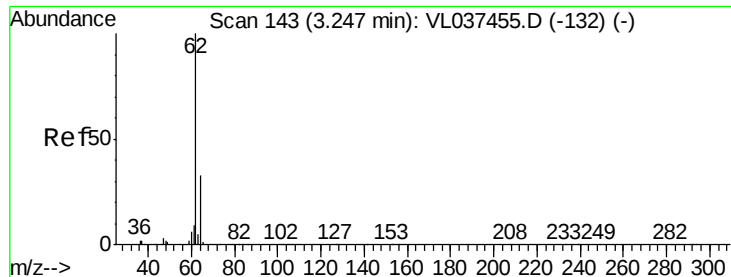
Tot Ion: 51 Resp: 146737
Ion Ratio Lower Upper
51 100
67 18.9 14.2 21.2



#4
Chloromethane
Concen: 0.525 ppbv
RT: 3.13 min Scan# 108
Delta R.T. 0.01 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion: 50 Resp: 49198
Ion Ratio Lower Upper
50 100
52 30.9 24.0 36.0





#5

Vinyl Chloride

Concen: 0.521 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

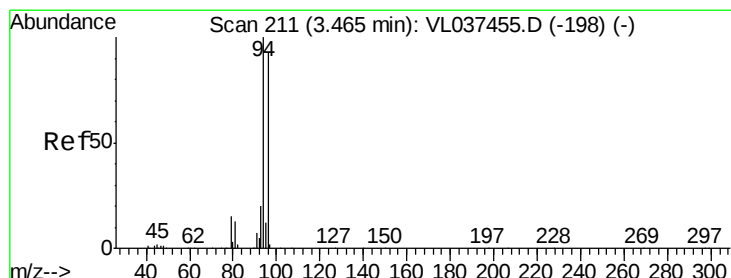
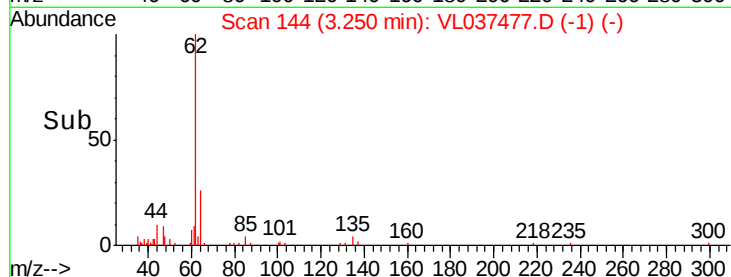
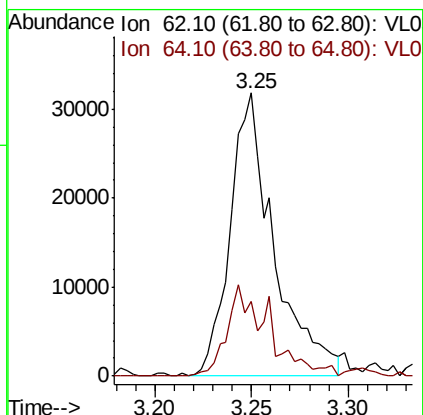
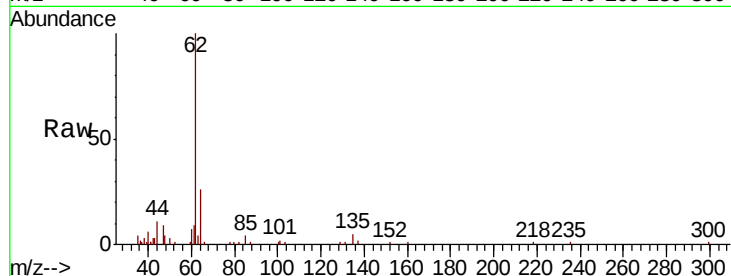
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 62 Resp: 49984

Ion Ratio Lower Upper

62 100

64 26.2 26.5 39.7#



#6

Bromomethane

Concen: 0.419 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL037477.D

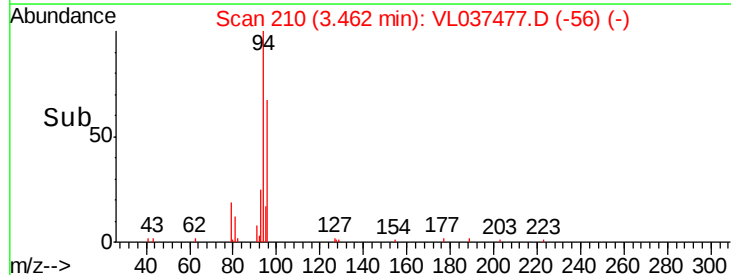
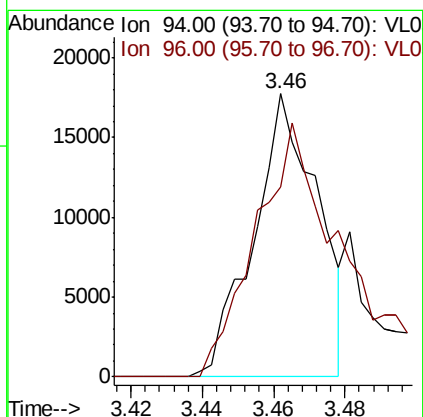
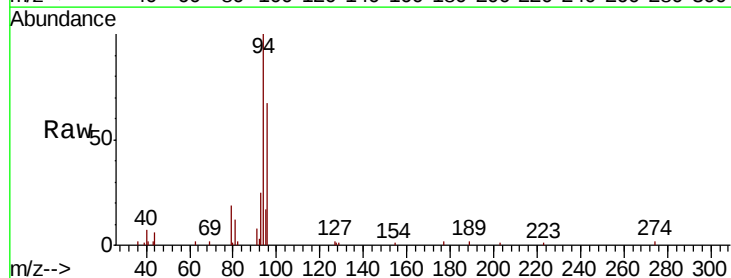
Acq: 17 Aug 2021 1:14

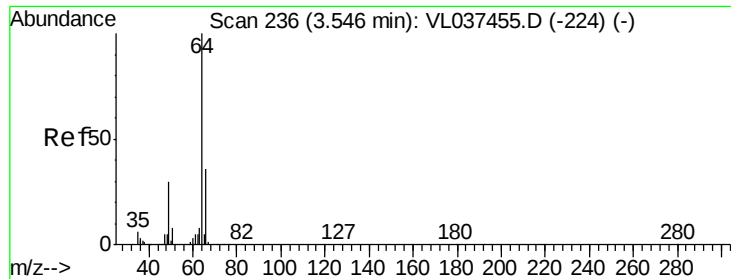
Tgt Ion: 94 Resp: 22026

Ion Ratio Lower Upper

94 100

96 67.2 74.5 111.7#





#7

Chloroethane

Concen: 0.606 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

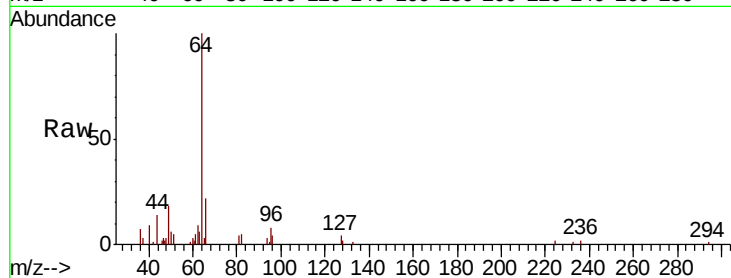
ClientSampleId :

Tot Ion: 64 Resp: 19845

Ion Ratio Lower Upper

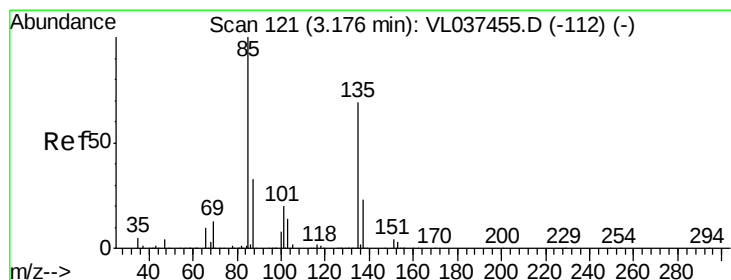
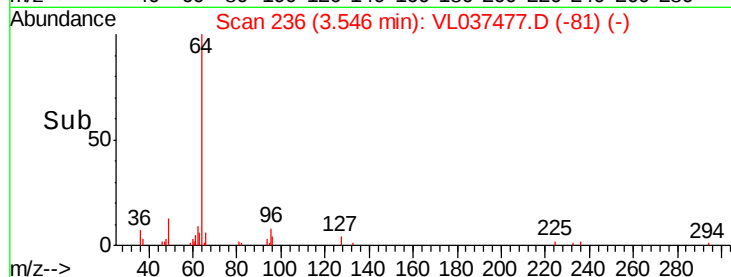
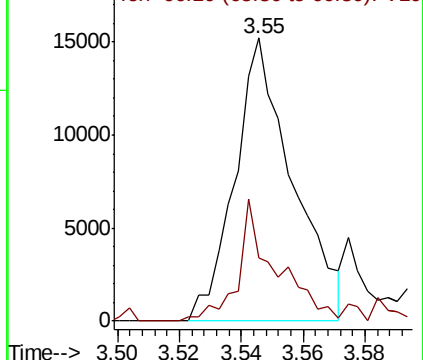
64 100

66 22.2 28.6 43.0#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.567 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037477.D

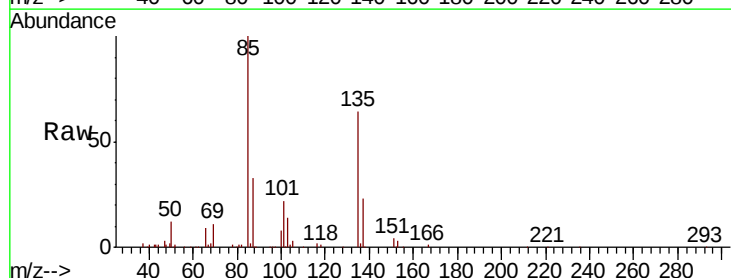
Acq: 17 Aug 2021 1:14

Tgt Ion: 85 Resp: 128657

Ion Ratio Lower Upper

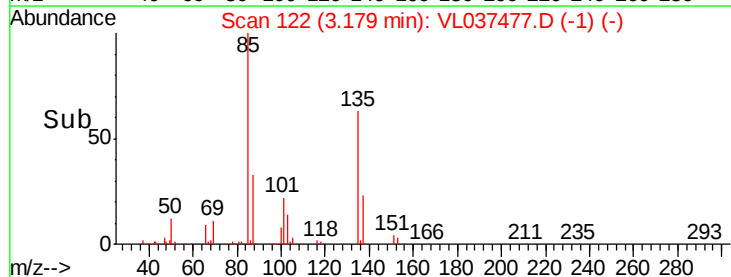
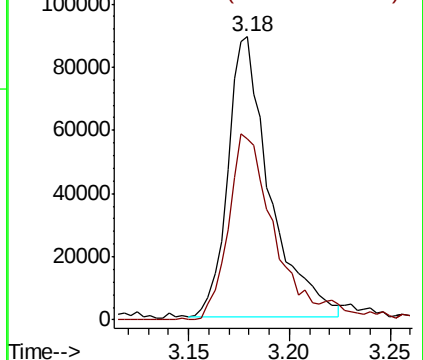
85 100

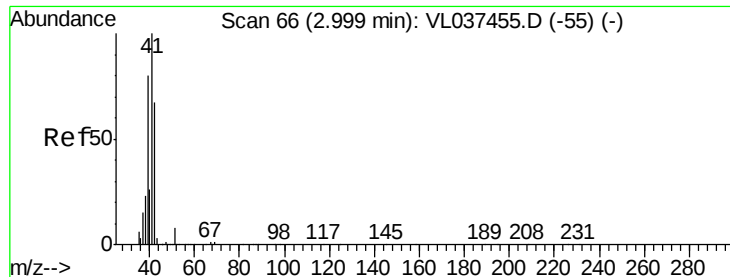
135 77.3 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.429 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

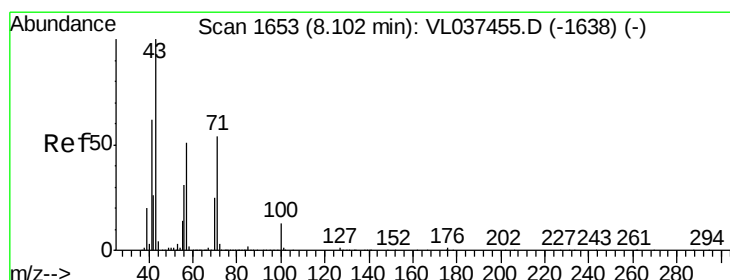
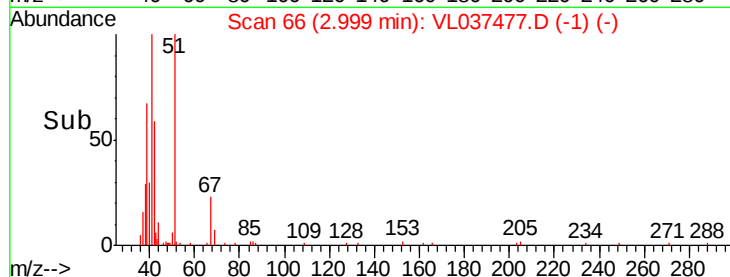
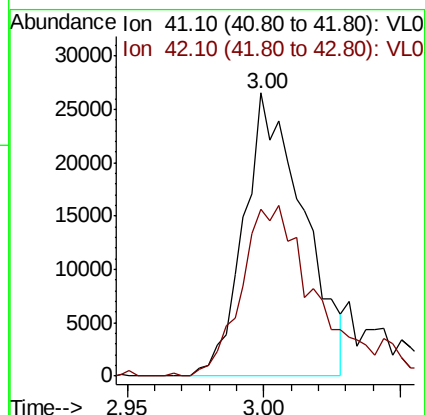
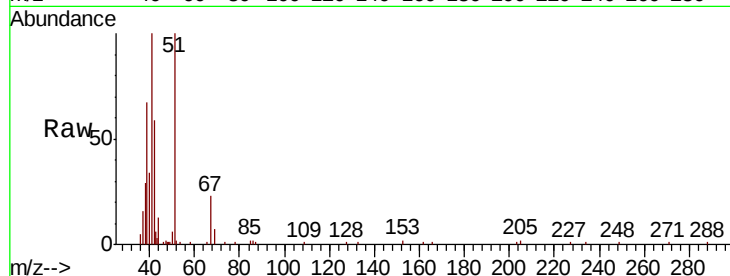
ClientSampleId :

Tot Ion: 41 Resp: 40255

Ion Ratio Lower Upper

41 100

42 83.1 53.7 80.5#



#10

Heptane

Concen: 0.430 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. 0.01 min

Lab File: VL037477.D

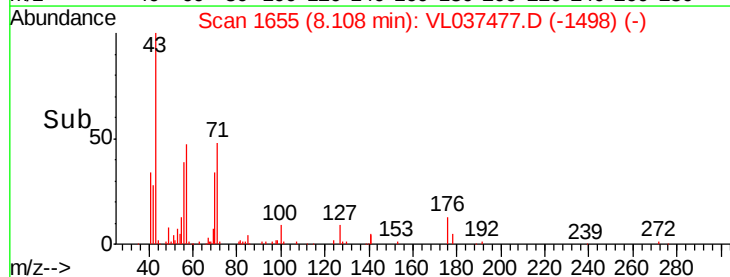
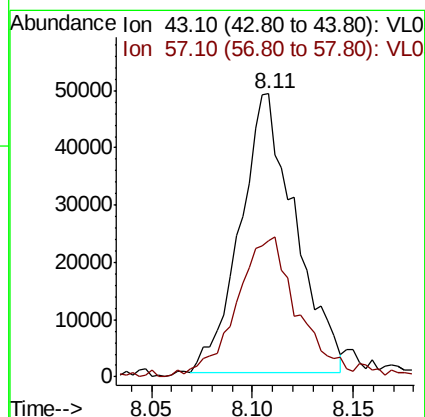
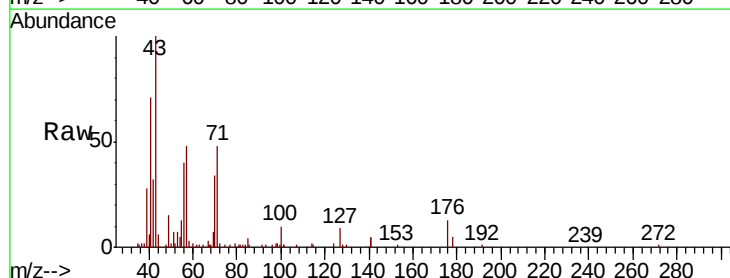
Acq: 17 Aug 2021 1:14

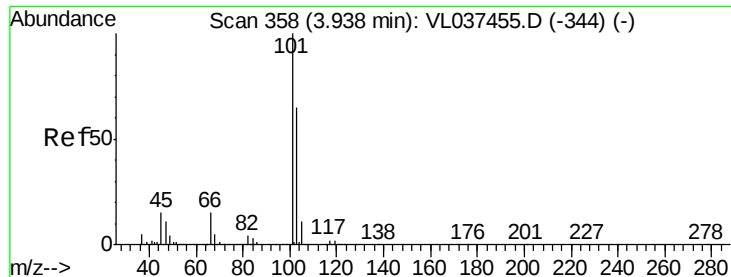
Tgt Ion: 43 Resp: 92830

Ion Ratio Lower Upper

43 100

57 59.3 41.0 61.6





#11

Trichlorofluoromethane

Concen: 0.533 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

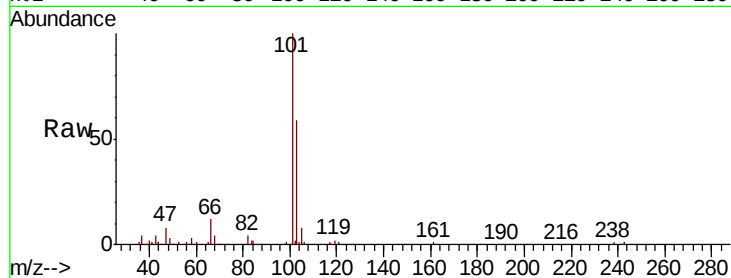
ClientSampleId :

Tot Ion:101 Resp: 109881

Ion Ratio Lower Upper

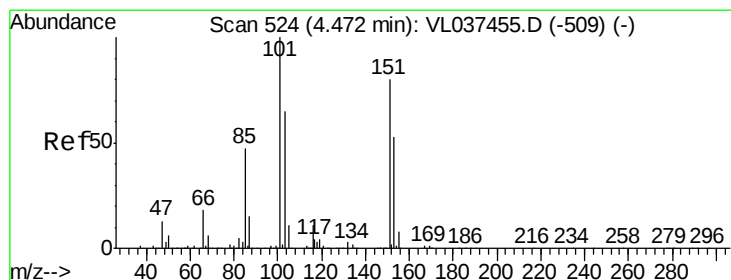
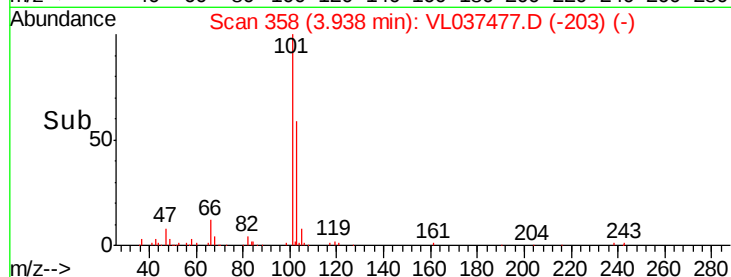
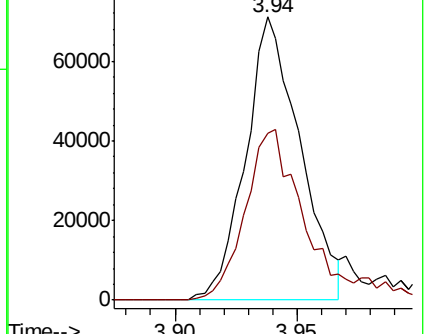
101 100

103 59.0 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.546 ppbv

RT: 4.47 min Scan# 524

Delta R.T. -0.00 min

Lab File: VL037477.D

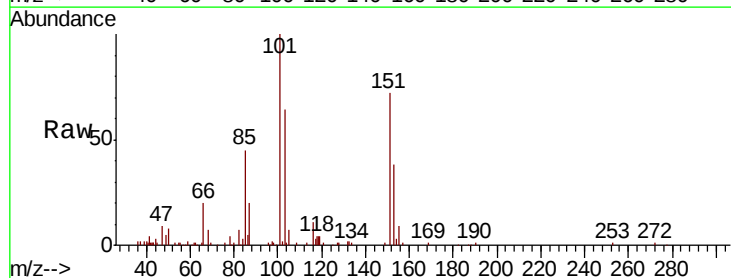
Acq: 17 Aug 2021 1:14

Tgt Ion:101 Resp: 82635

Ion Ratio Lower Upper

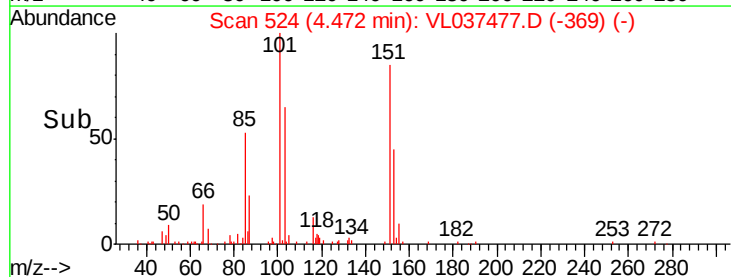
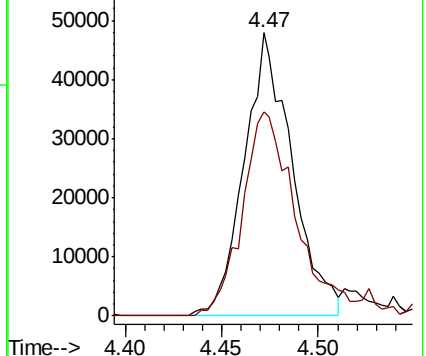
101 100

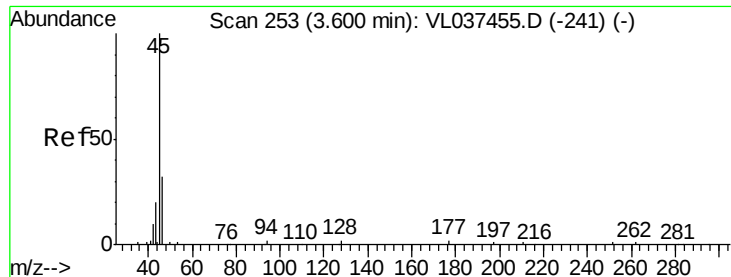
151 83.8 63.7 95.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.183 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

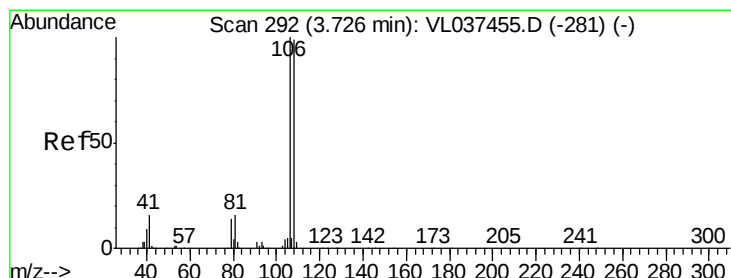
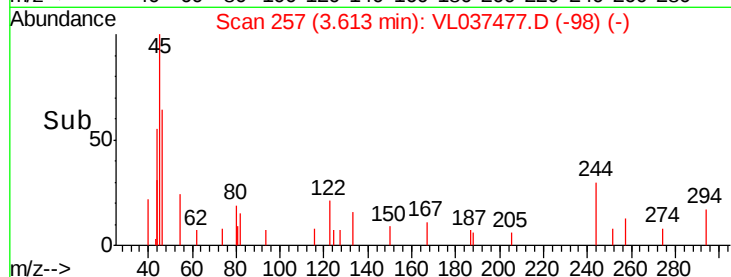
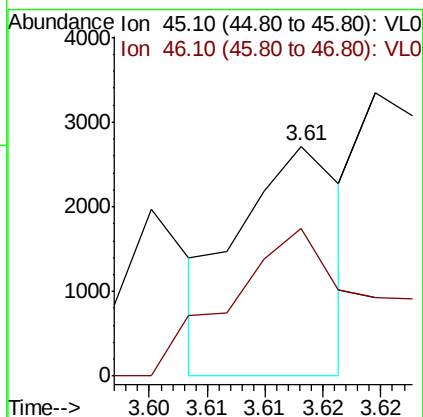
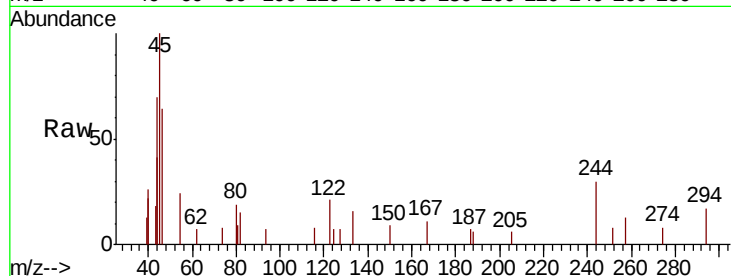
ClientSampleId :

Tot Ion: 45 Resp: 1667

Ion Ratio Lower Upper

45 100

46 205.4 14.1 56.5#



#14

Bromoethene

Concen: 0.402 ppbv

RT: 3.73 min Scan# 292

Delta R.T. -0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

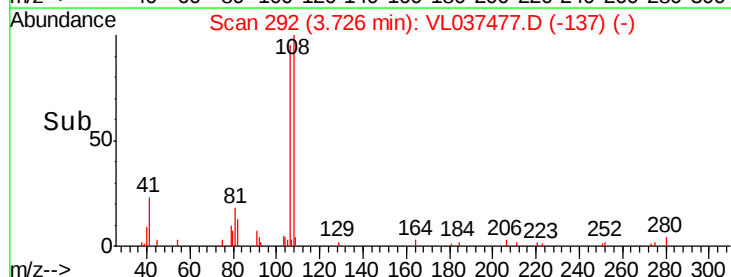
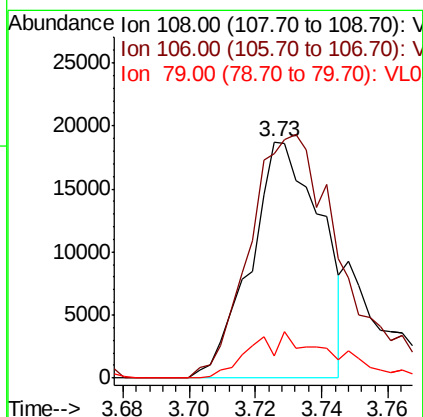
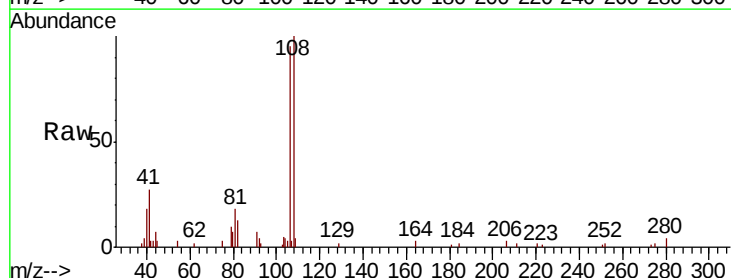
Tgt Ion: 108 Resp: 27598

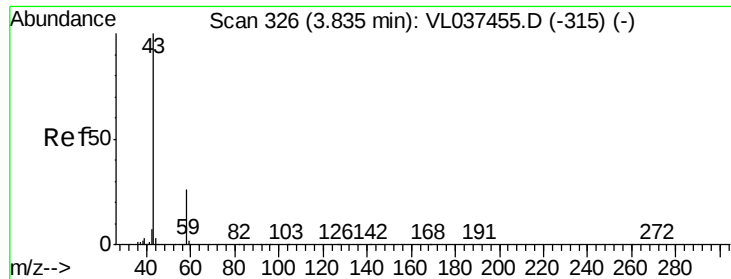
Ion Ratio Lower Upper

108 100

106 142.2 85.8 128.8#

79 22.8 12.6 18.8#

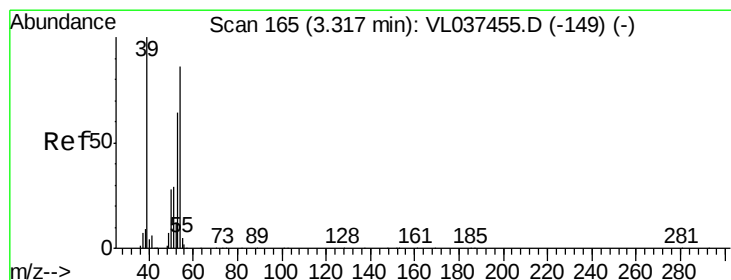
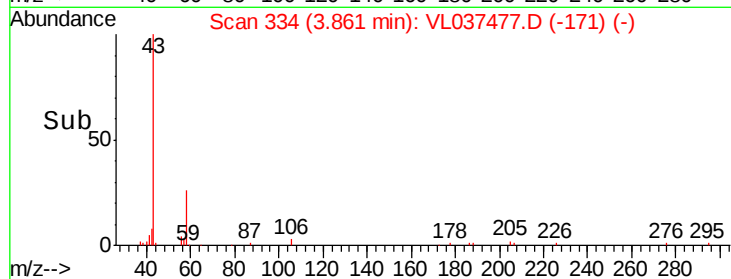
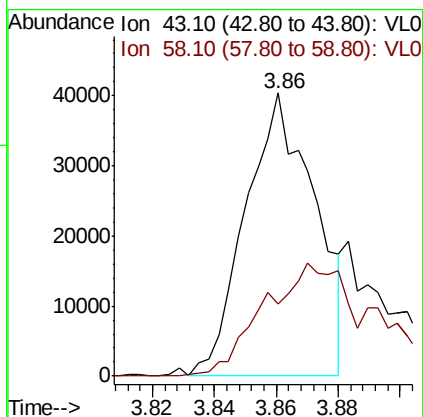
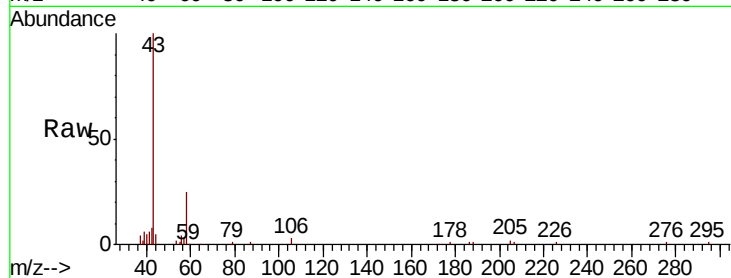




#15
Acetone
Concen: 0.451 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.03 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

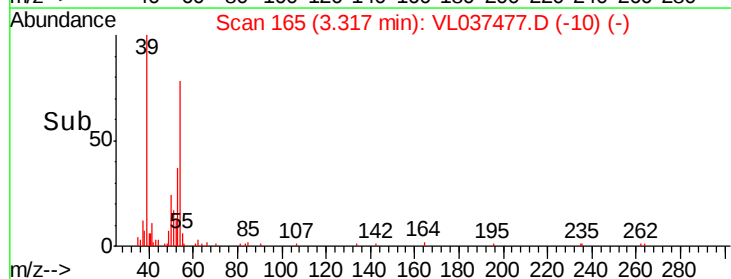
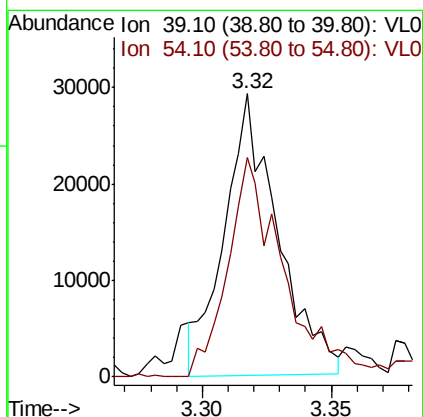
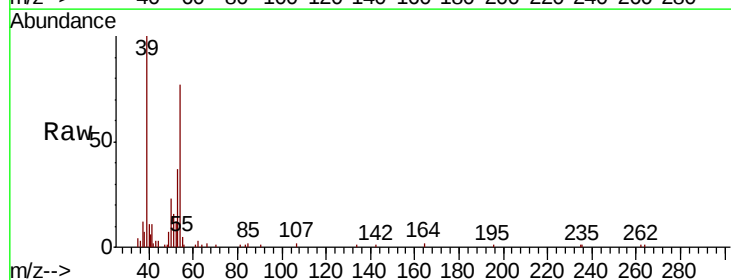
Instrument :
MSVOA_L
ClientSampleId :

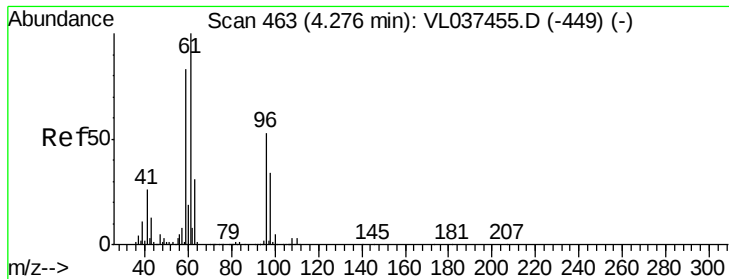
Tot Ion: 43 Resp: 62868
Ion Ratio Lower Upper
43 100
58 70.8 24.8 37.2#



#16
1,3-Butadiene
Concen: 0.469 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion: 39 Resp: 41955
Ion Ratio Lower Upper
39 100
54 89.1 63.7 95.5

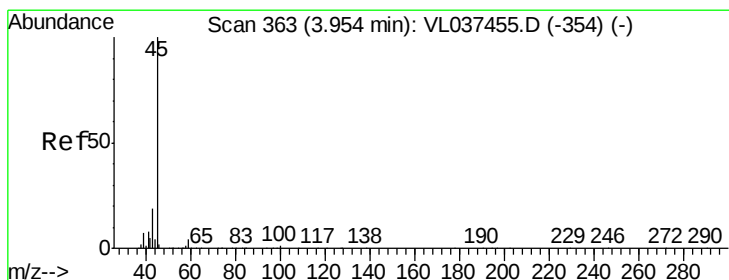
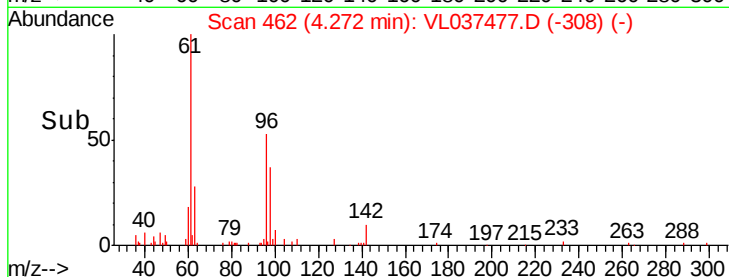
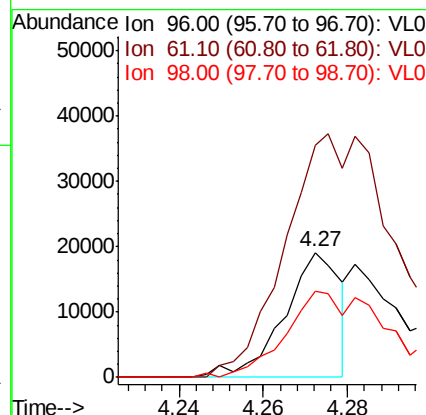
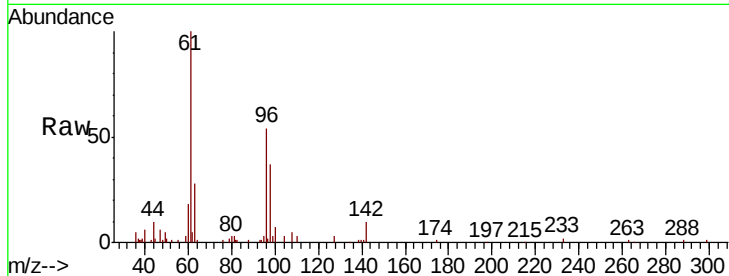




#18
 1,1-Dichloroethene
 Concen: 0.258 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. -0.00 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

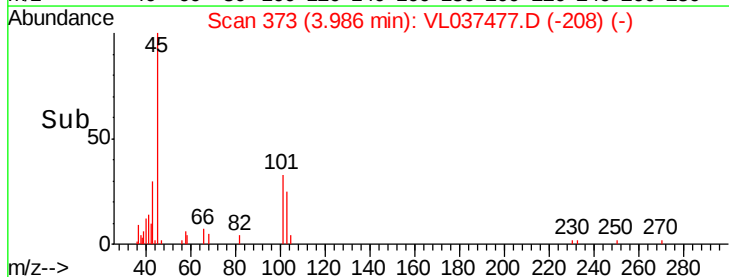
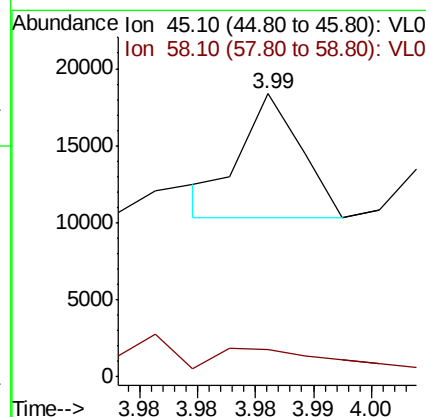
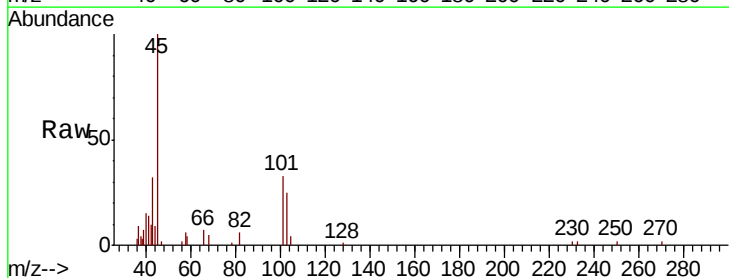
Instrument :
 MSVOA_L
 ClientSampled :

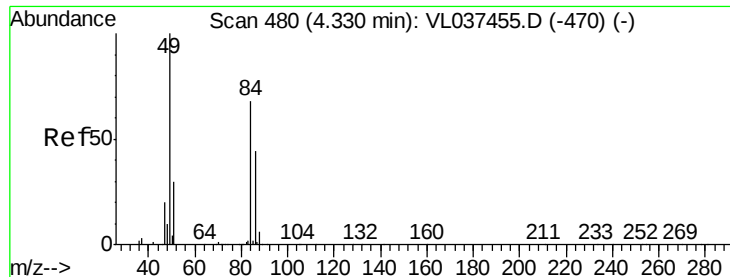
Tot Ion: 96 Resp: 17734
 Ion Ratio Lower Upper
 96 100
 61 186.0 151.1 226.7
 98 69.1 51.8 77.8



#19
 Isopropyl Alcohol
 Concen: 0.036 ppbv
 RT: 3.99 min Scan# 373
 Delta R.T. 0.03 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Tgt Ion: 45 Resp: 2859
 Ion Ratio Lower Upper
 45 100
 58 122.0 1.4 2.2#

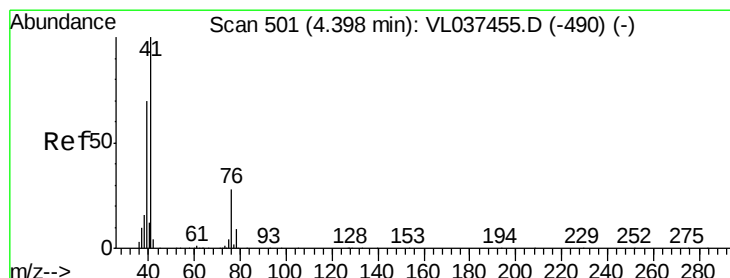
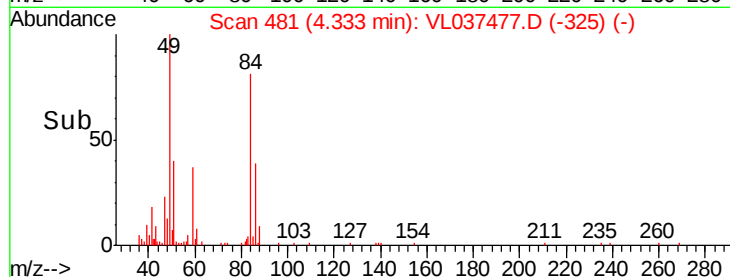
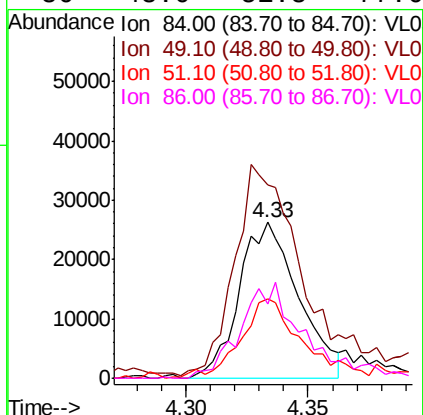
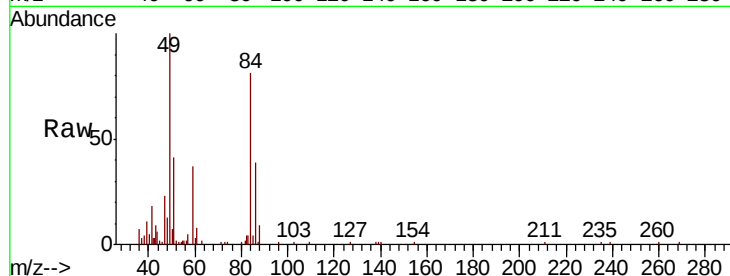




#20
Methylene Chloride
Concen: 0.638 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

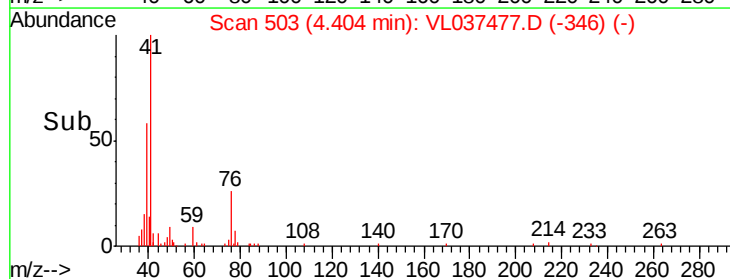
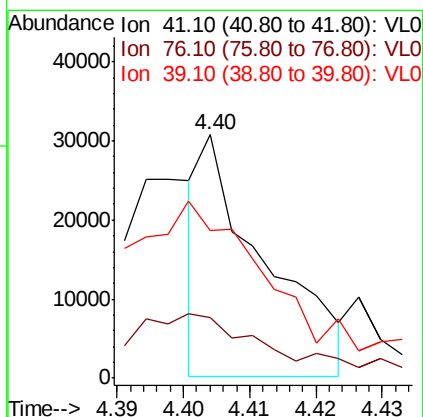
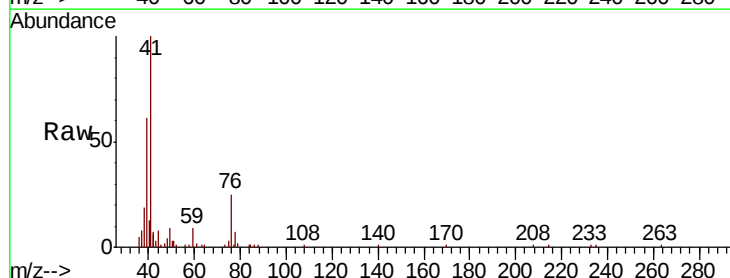
Instrument :
MSVOA_L
ClientSampleId :

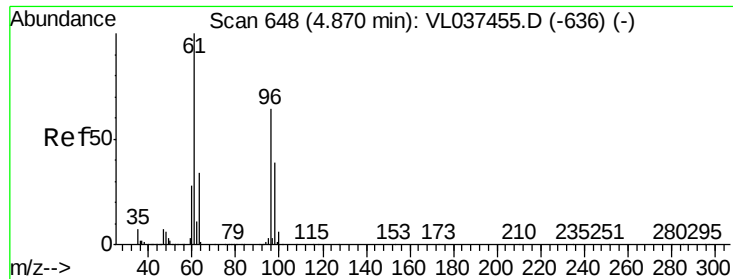
Tot Ion	Ratio	Lower	Upper
84	100		
49	119.2	118.2	177.2
51	47.9	36.6	55.0
86	48.0	51.8	77.6#



#21
Allyl Chloride
Concen: 0.183 ppbv
RT: 4.40 min Scan# 503
Delta R.T. 0.01 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion	Ratio	Lower	Upper
41	100		
76	74.6	21.8	32.6#
39	223.3	56.8	85.2#





#22

trans-1,2-Dichloroethene

Concen: 0.315 ppbv

RT: 4.87 min Scan# 647

Delta R.T. -0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :
MSVOA_L
ClientSampleId :

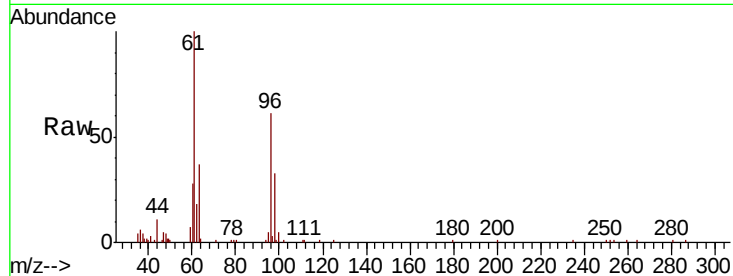
Tot Ion: 96 Resp: 21581

Ion Ratio Lower Upper

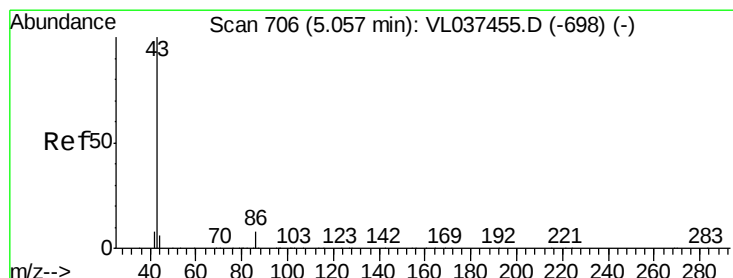
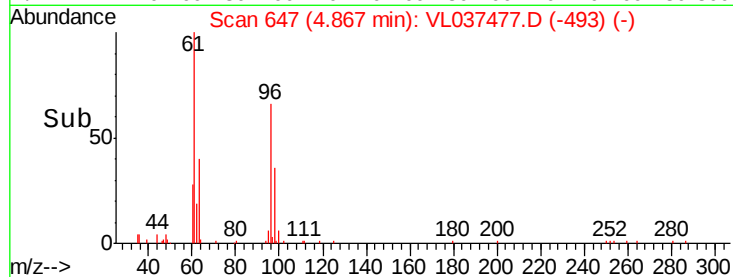
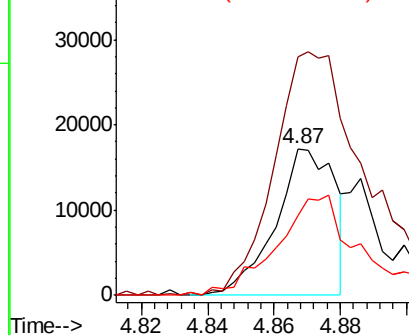
96 100

61 160.5 125.5 188.3

98 52.1 49.0 73.4



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: 0.415 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.01 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Tgt Ion: 43 Resp: 85236

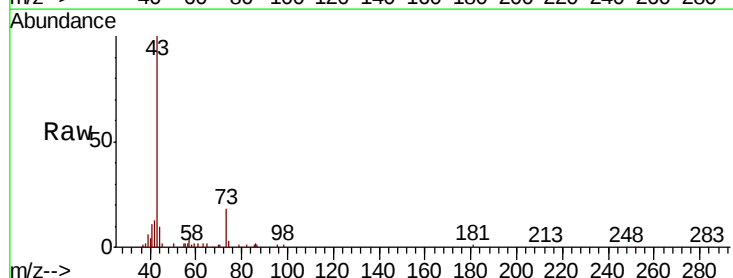
Ion Ratio Lower Upper

43 100

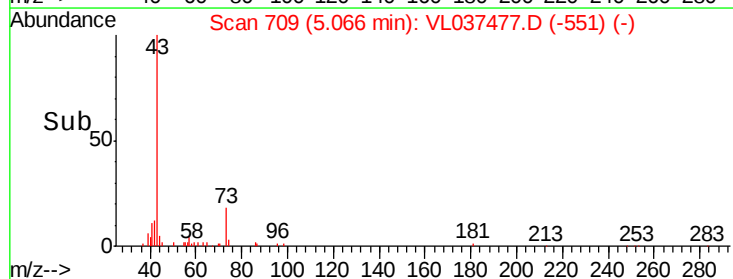
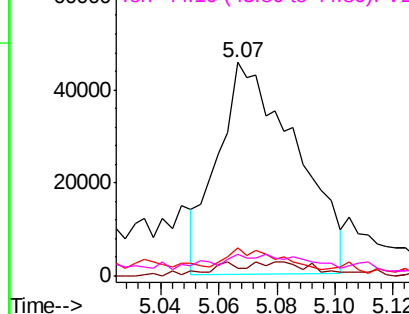
86 2.3 5.7 8.5#

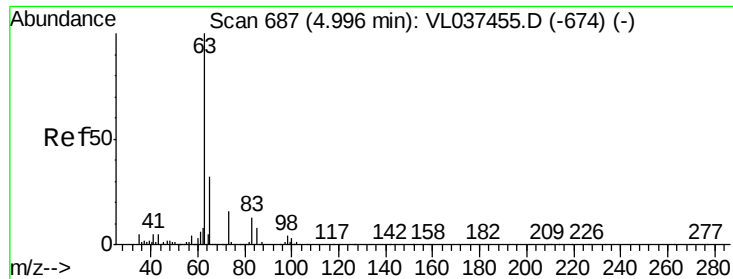
42 11.4 7.4 11.2#

44 8.1 4.3 6.5#



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: 0.260 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.00 min

Lab File: VL037477.D

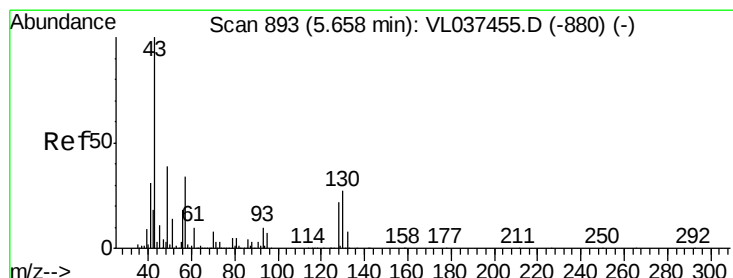
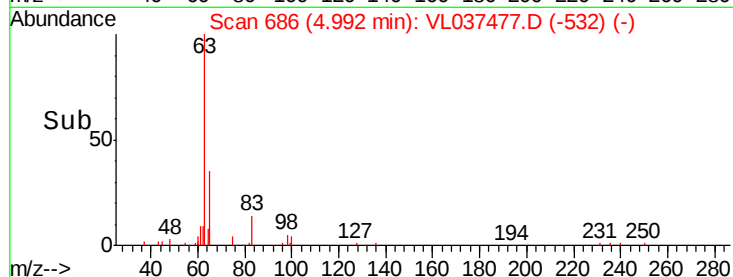
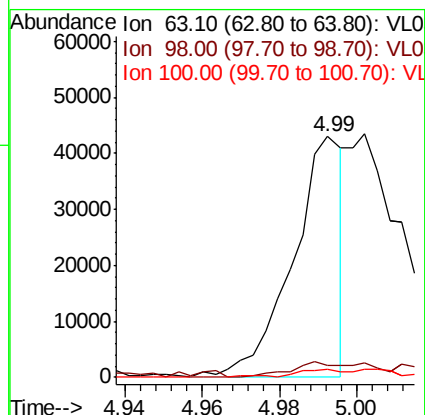
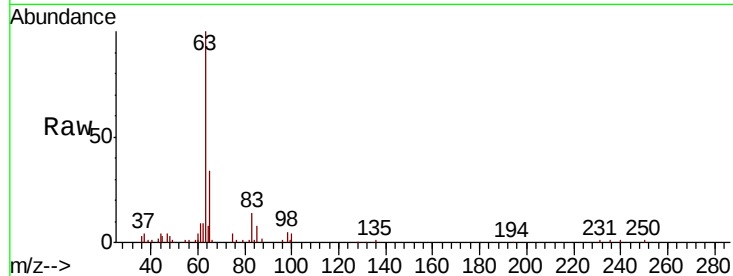
Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	63	Resp:	38700
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.3
100	3.6	1.6	4.7



#25

Ethyl Acetate

Concen: 0.511 ppbv

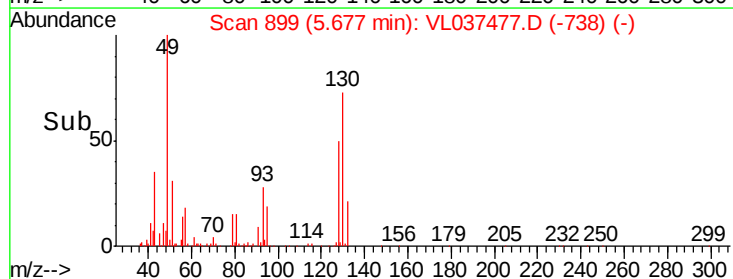
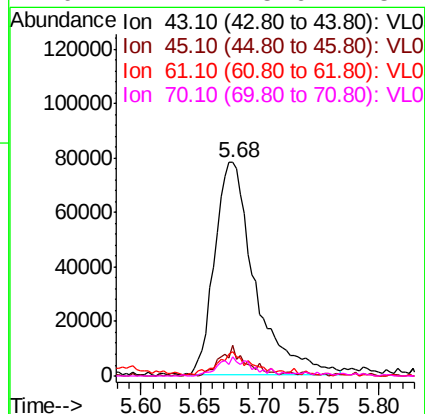
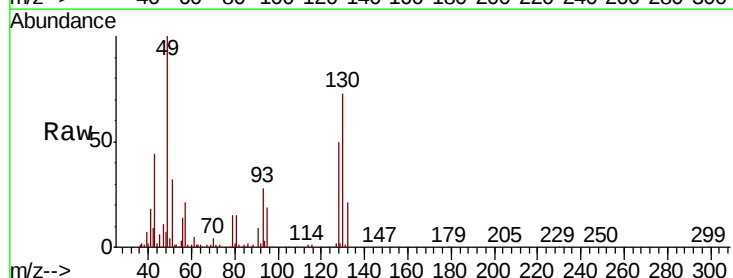
RT: 5.68 min Scan# 899

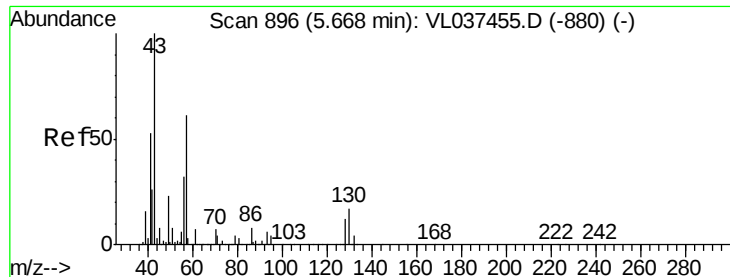
Delta R.T. 0.02 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Tgt Ion:	43	Resp:	180940
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.0	12.0
61	12.4	8.0	12.0#
70	7.7	5.6	8.4

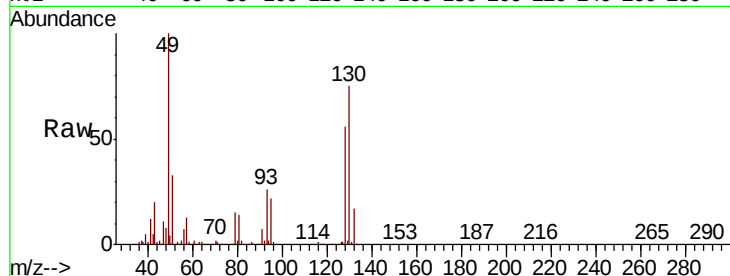




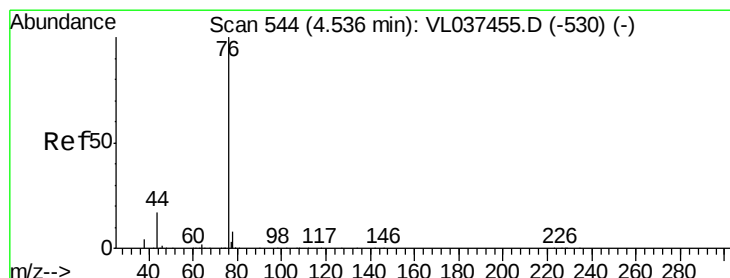
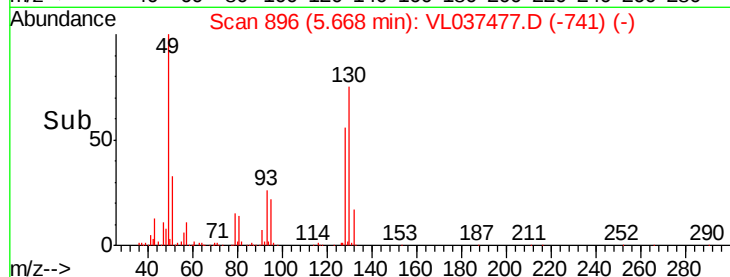
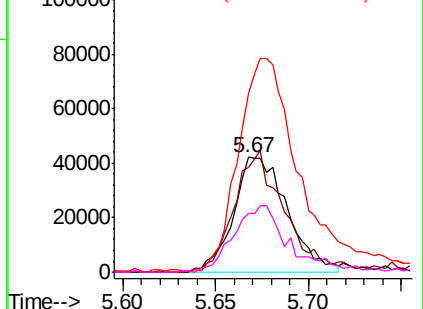
#26
Hexane
Concen: 0.491 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 57 Resp: 84868
Ion Ratio Lower Upper
57 100
41 104.8 72.3 108.5
43 218.2 172.3 258.5
56 60.4 42.8 64.2

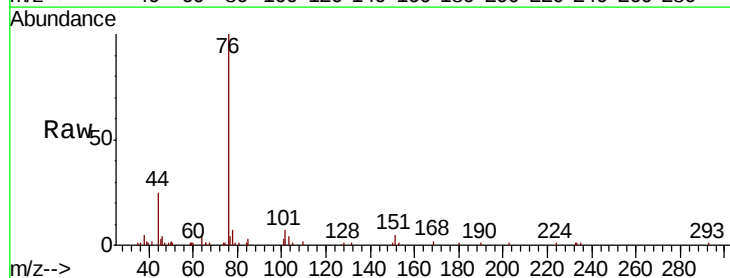


Abundance Ion 57.10 (56.80 to 57.80): VL0
120000 Ion 41.10 (40.80 to 41.80): VL0
100000 Ion 43.10 (42.80 to 43.80): VL0
80000 Ion 56.10 (55.80 to 56.80): VL0

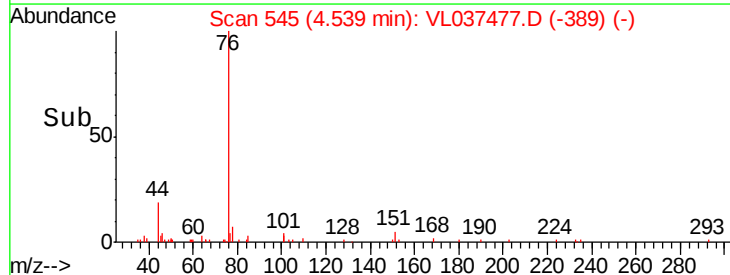
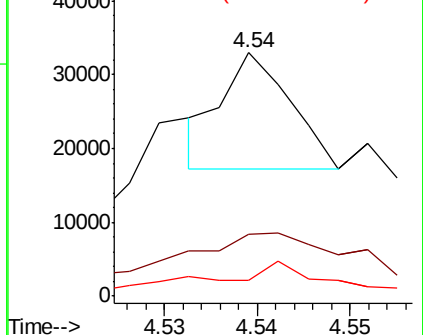


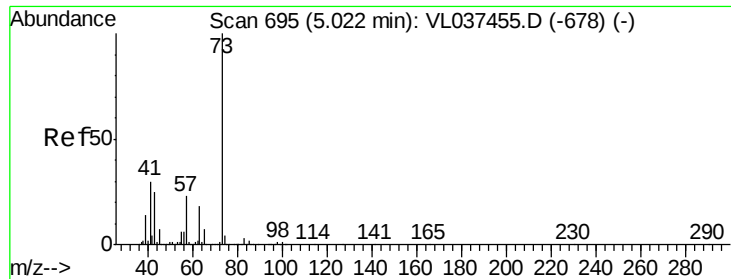
#27
Carbon Disulfide
Concen: 0.052 ppbv
RT: 4.54 min Scan# 545
Delta R.T. 0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion: 76 Resp: 8081
Ion Ratio Lower Upper
76 100
44 170.2 13.9 20.9#
78 89.2 7.9 11.9#



Abundance Ion 76.00 (75.70 to 76.70): VL0
40000 Ion 44.10 (43.80 to 44.80): VL0
30000 Ion 78.00 (77.70 to 78.70): VL0



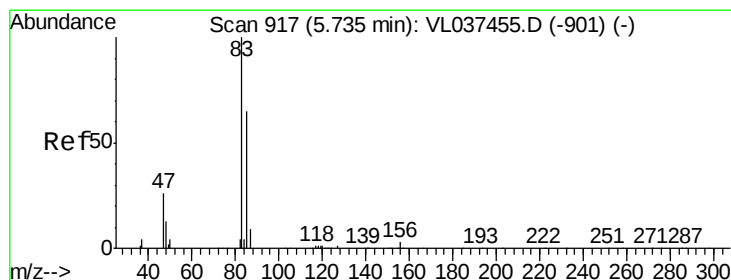
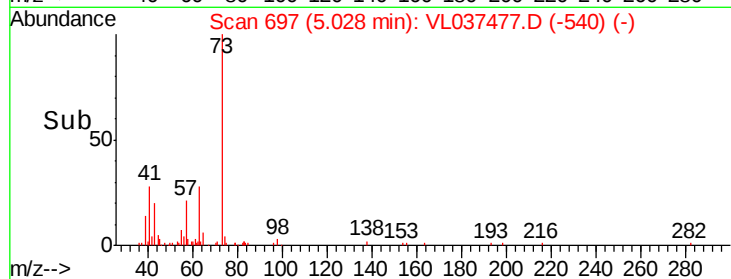
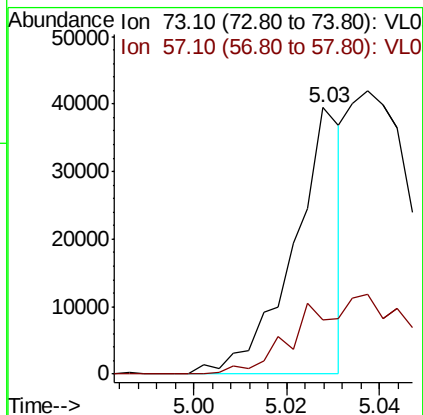
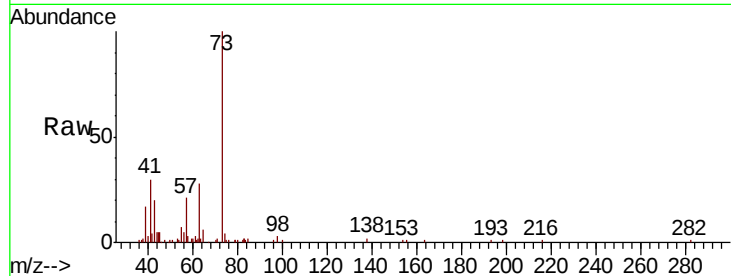


#28

Methvl tert-Butvl Ether
 Concen: 0.172 ppbv
 RT: 5.03 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Instrument :
 MSVOA_L
 ClientSampleId :

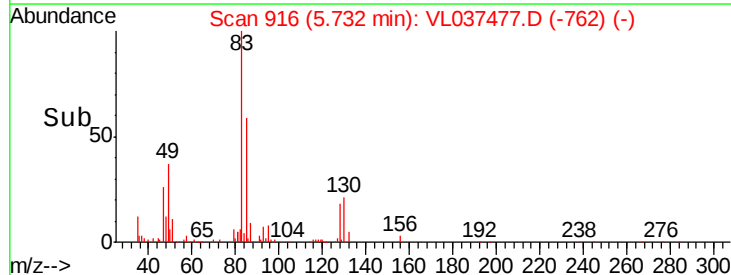
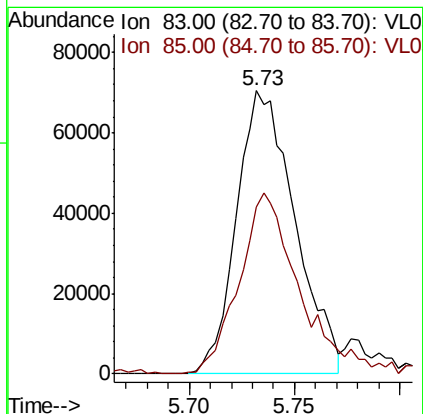
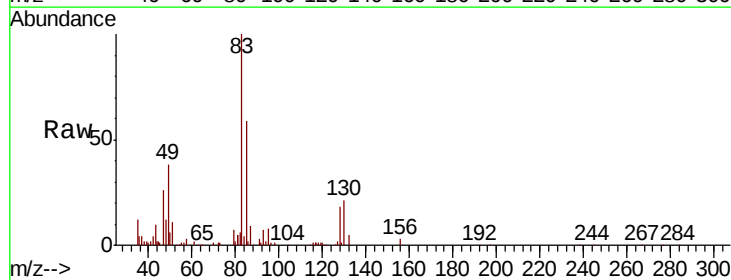
Tot Ion: 73 Resp: 28574
 Ion Ratio Lower Upper
 73 100
 57 0.0 19.4 29.2#

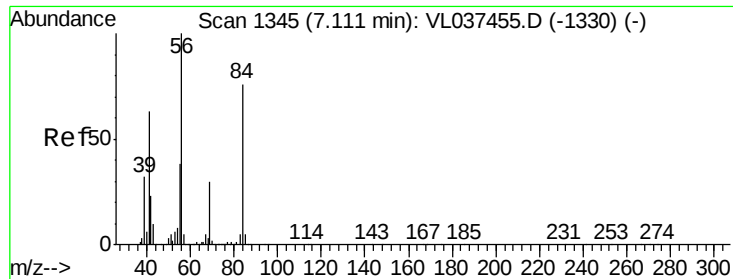


#29

Chloroform
 Concen: 0.553 ppbv
 RT: 5.73 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Tgt Ion: 83 Resp: 135632
 Ion Ratio Lower Upper
 83 100
 85 58.5 52.3 78.5

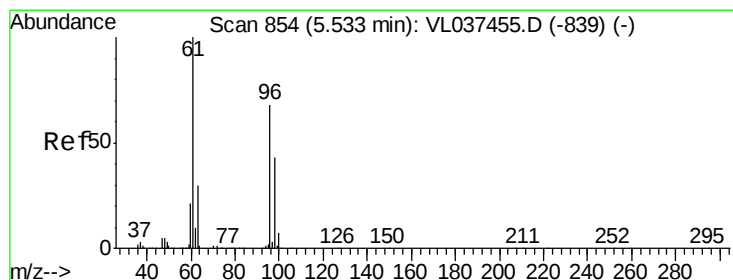
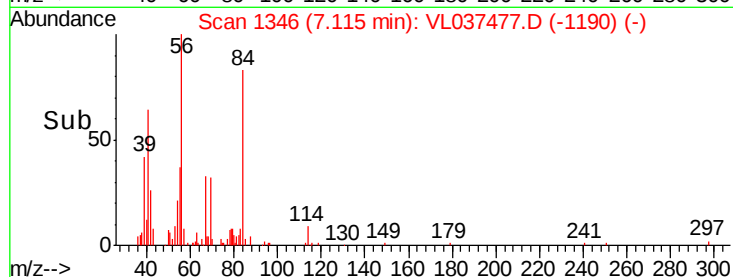
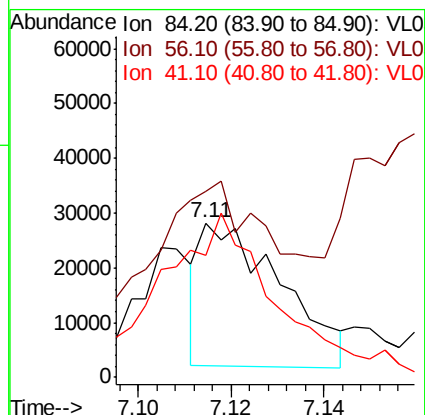
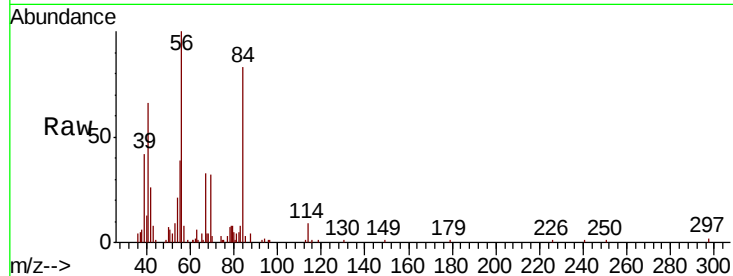




#30
Cyclohexane
Concen: 0.219 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

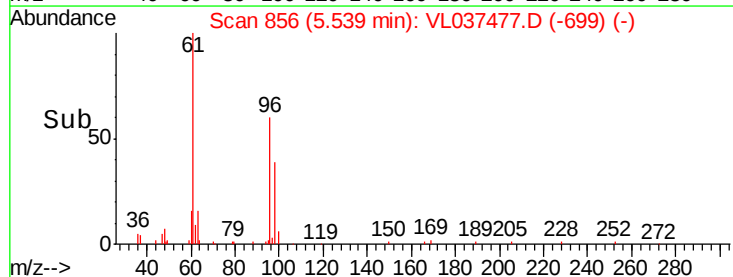
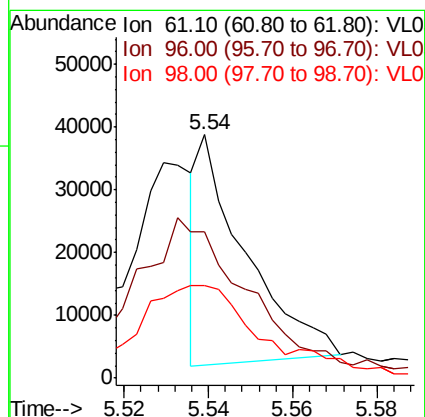
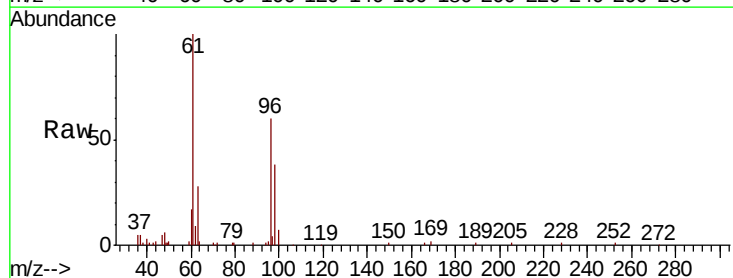
Instrument :
MSVOA_L
ClientSampleId :

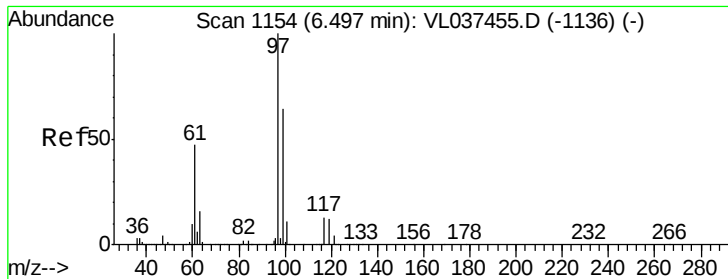
Tot Ion: 84 Resp: 31531
Ion Ratio Lower Upper
84 100
56 234.5 110.6 165.8#
41 182.8 67.0 100.6#



#31
cis-1,2-Dichloroethene
Concen: 0.181 ppbv
RT: 5.54 min Scan# 856
Delta R.T. 0.01 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion: 61 Resp: 28353
Ion Ratio Lower Upper
61 100
96 58.9 54.8 82.2
98 33.2 34.2 51.2#





#32

1,1,1-Trichloroethane

Concen: 0.511 ppbv

RT: 6.49 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

ClientSampleId :

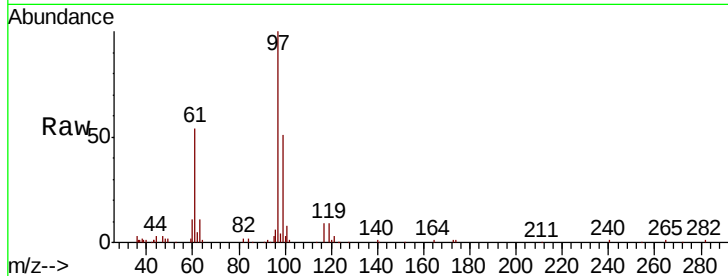
Tot Ion: 97 Resp: 123124

Ion Ratio Lower Upper

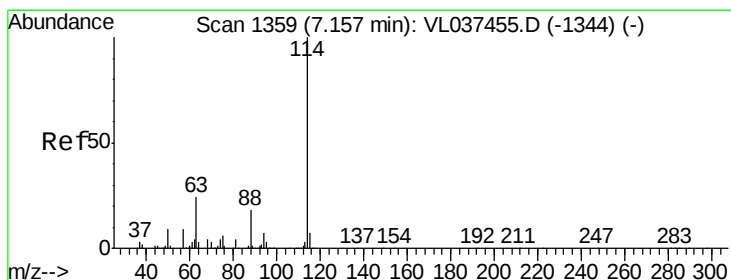
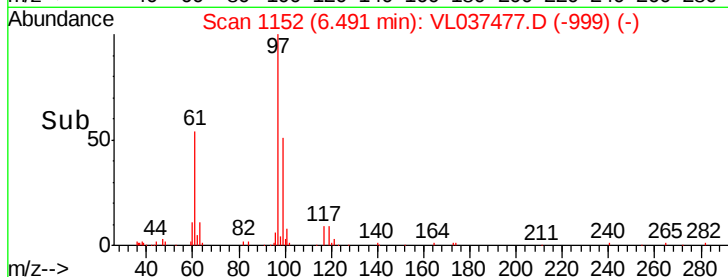
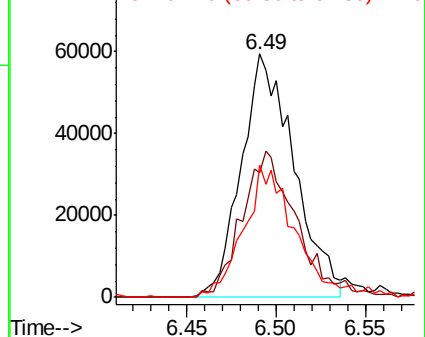
97 100

99 62.8 51.8 77.6

61 54.5 39.6 59.4



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: 7.16 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

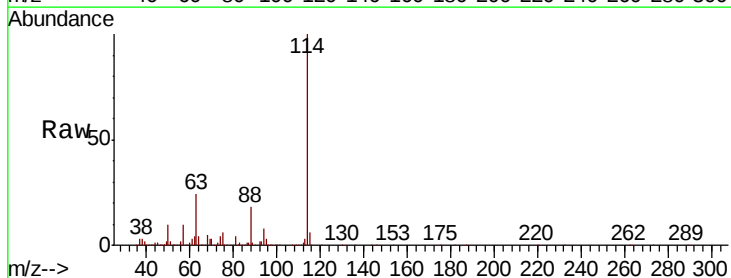
Tgt Ion: 114 Resp: 4114896

Ion Ratio Lower Upper

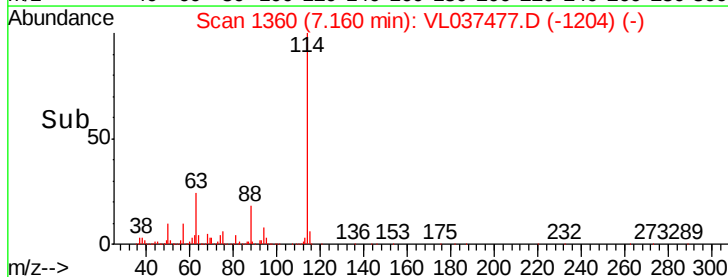
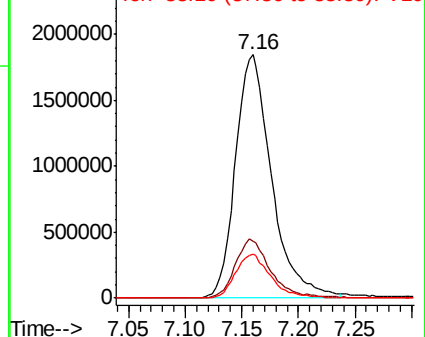
114 100

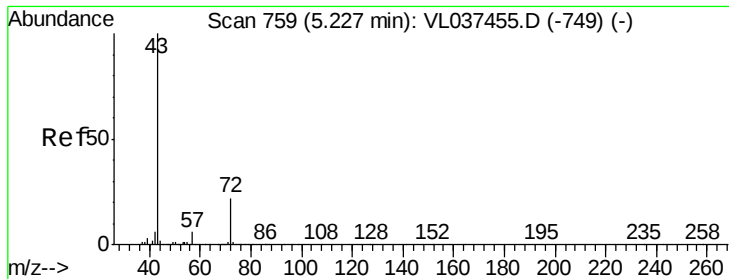
63 24.0 19.3 28.9

88 18.0 14.2 21.4



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0

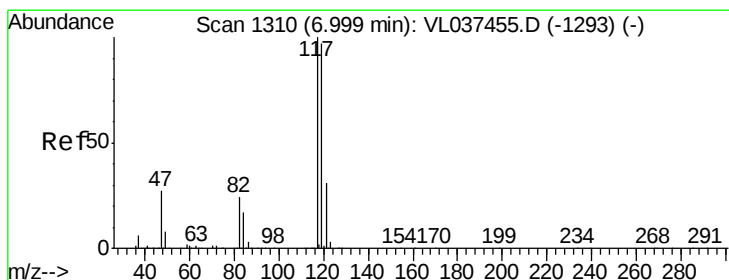
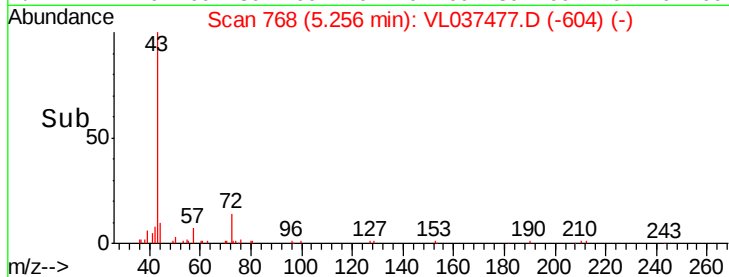
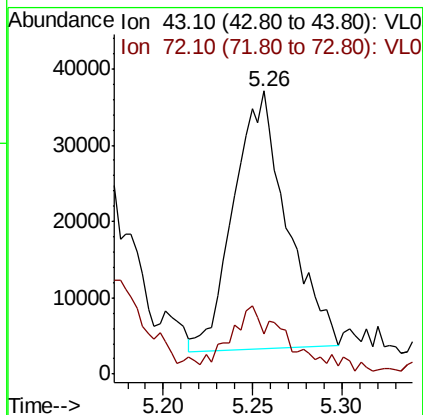
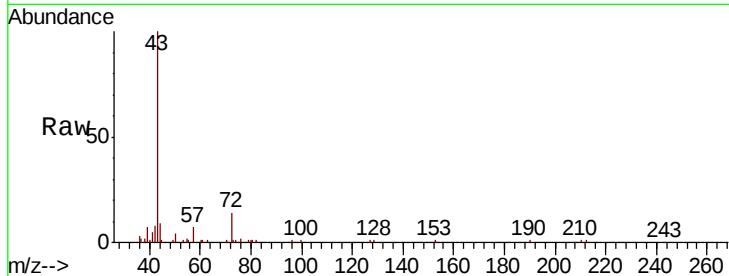




#34
 2-Butanone
 Concen: 0.419 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.03 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

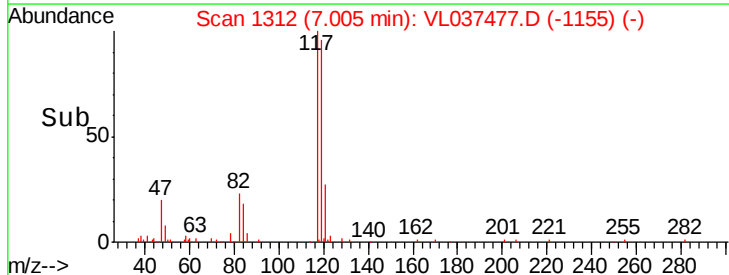
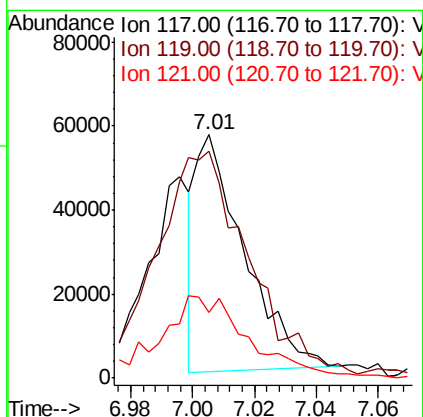
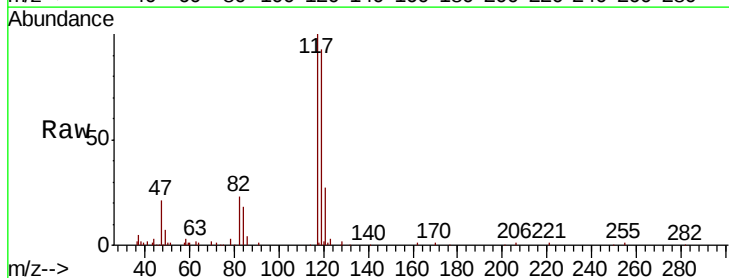
Instrument :
 MSVOA_L
 ClientSampled :

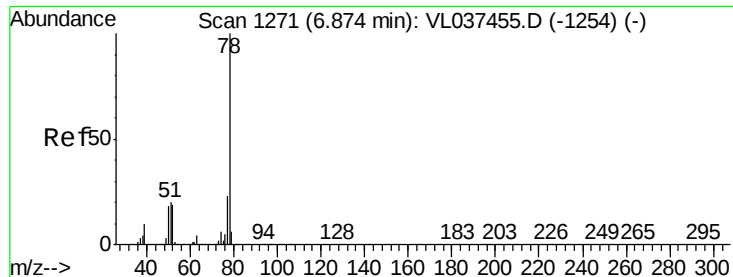
Tot Ion: 43 Resp: 70403
 Ion Ratio Lower Upper
 43 100
 72 30.0 17.4 26.0#



#35
 Carbon Tetrachloride
 Concen: 0.252 ppbv
 RT: 7.01 min Scan# 1312
 Delta R.T. 0.01 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Tgt Ion: 117 Resp: 61226
 Ion Ratio Lower Upper
 117 100
 119 91.3 77.3 115.9
 121 26.4 25.2 37.8

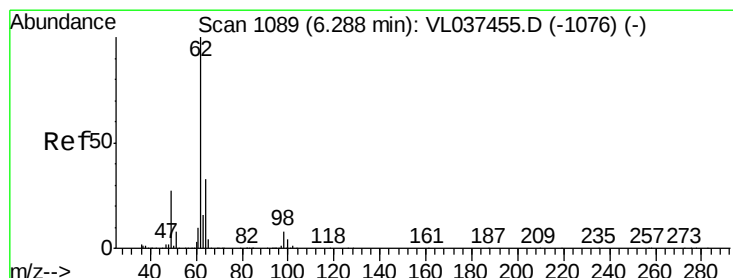
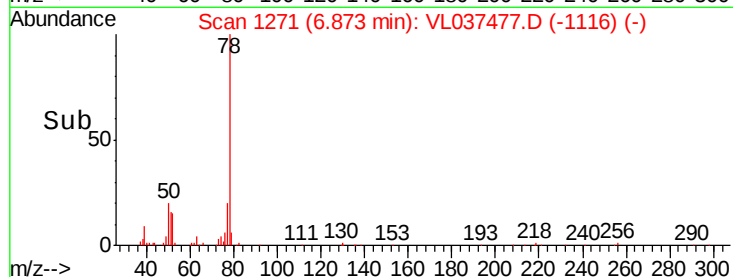
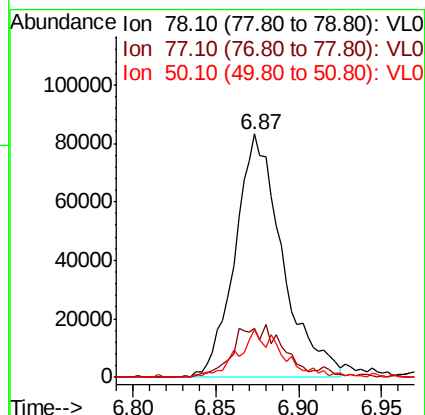
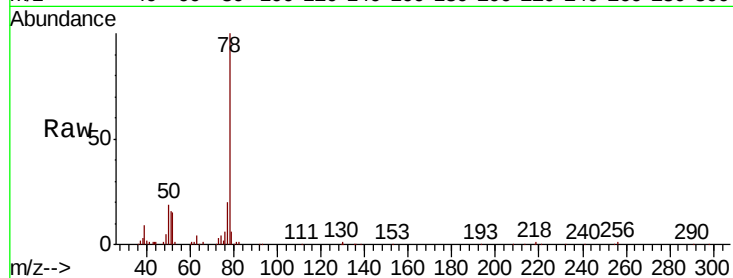




#36
Benzene
Concen: 0.478 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

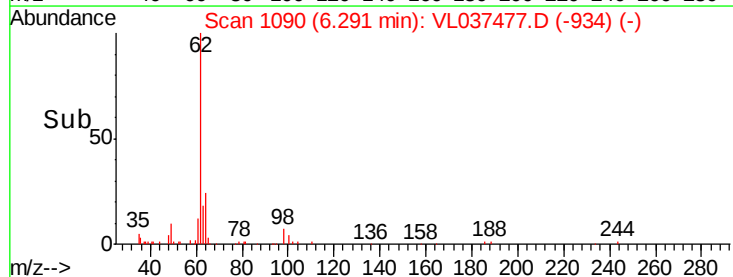
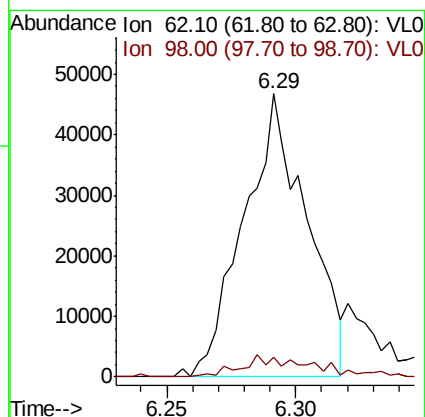
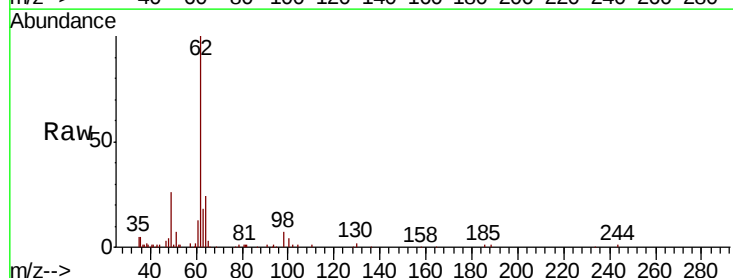
Instrument :
MSVOA_L
ClientSampled :

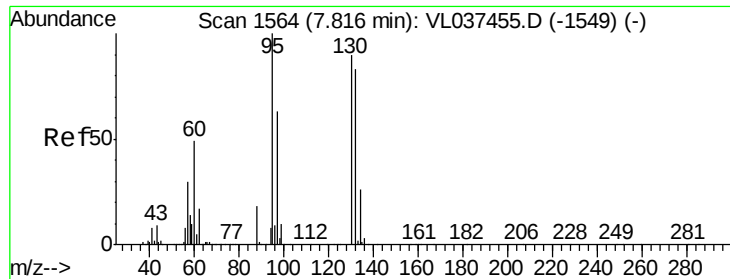
Tot Ion	Ratio	Lower	Upper
78	100		
77	20.0	18.2	27.4
50	19.5	14.6	21.8



#37
1,2-Dichloroethane
Concen: 0.464 ppbv
RT: 6.29 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	6.0	9.0#

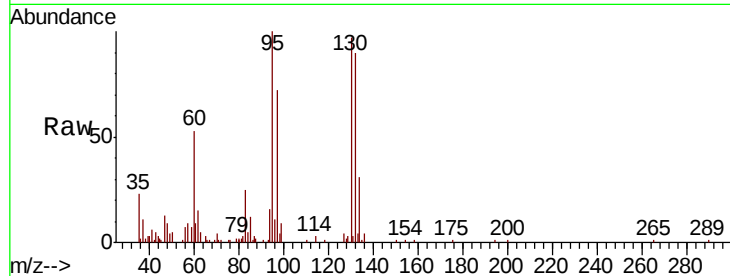




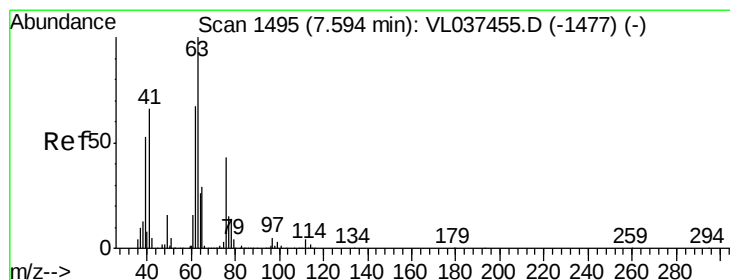
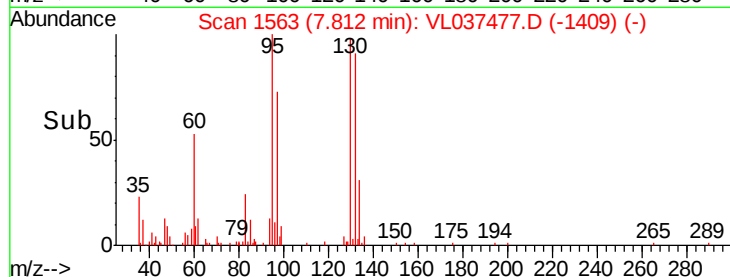
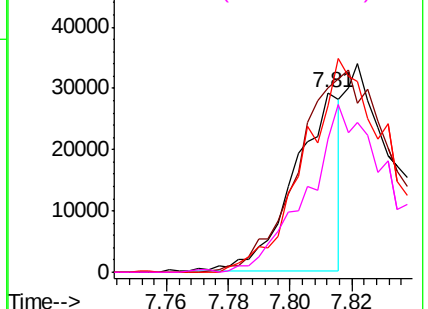
#38
 Trichloroethene
 Concen: 0.211 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:130	Resp:	30017
Ion Ratio	Lower	Upper
130	100	
95	103.7	89.2 133.8
132	93.2	74.0 111.0
97	73.8	56.6 84.8

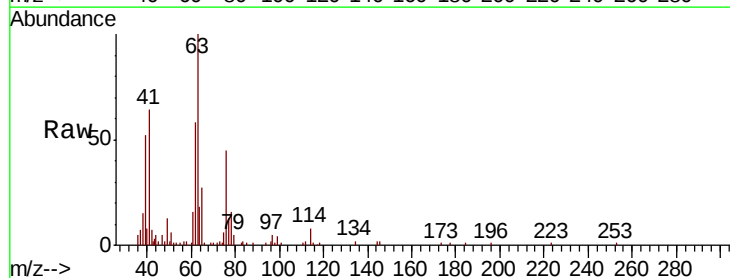


Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

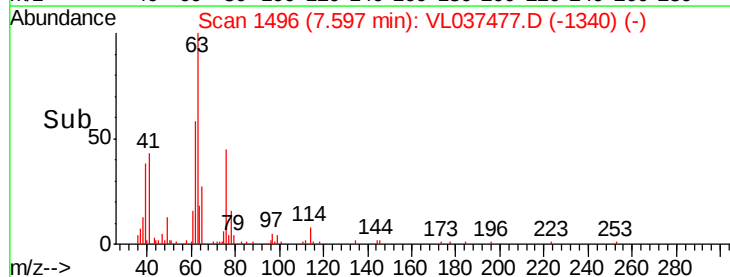
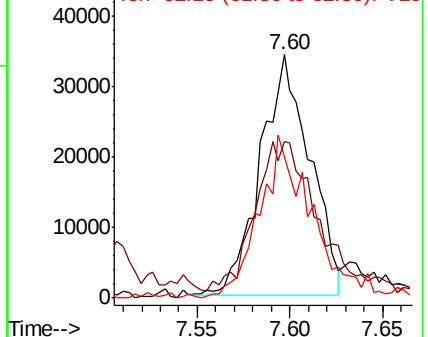


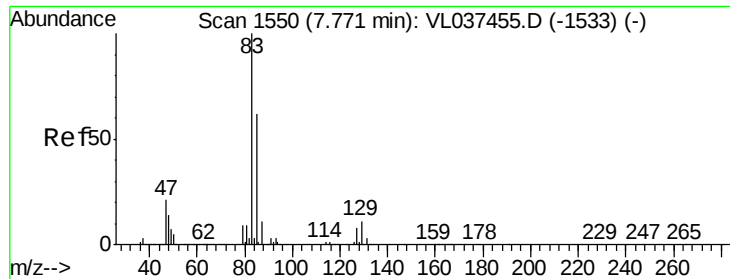
#39
 1,2-Dichloropropane
 Concen: 0.483 ppbv
 RT: 7.60 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Tgt Ion: 63	Resp:	64157
Ion Ratio	Lower	Upper
63	100	
41	57.9	52.4 78.6
62	57.0	53.6 80.4



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





#42

Bromodichloromethane

Concen: 0.443 ppbv

RT: 7.77 min Scan# 1550

Delta R.T. -0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :
MSVOA_L
ClientSampleId :

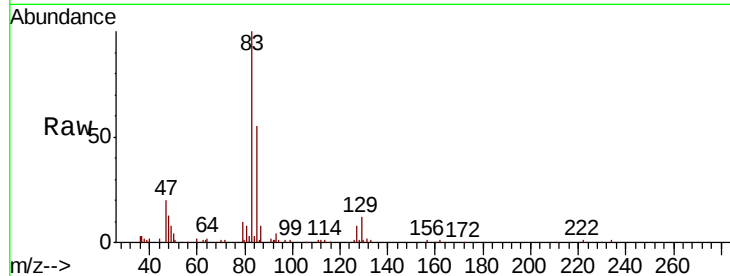
Tot Ion: 83 Resp: 110975

Ion Ratio Lower Upper

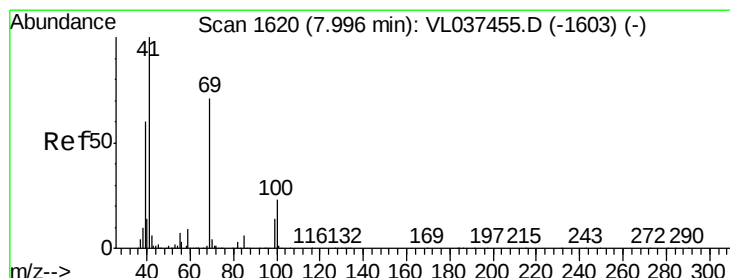
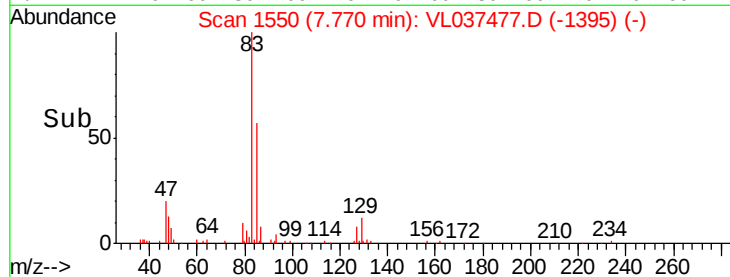
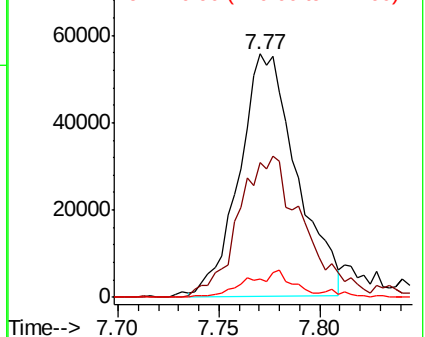
83 100

85 55.7 49.5 74.3

127 7.7 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): VL0



#43

Methyl Methacrylate

Concen: 0.225 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. 0.01 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

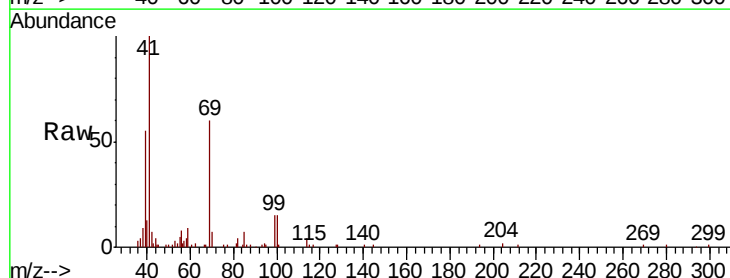
Tgt Ion: 69 Resp: 27118

Ion Ratio Lower Upper

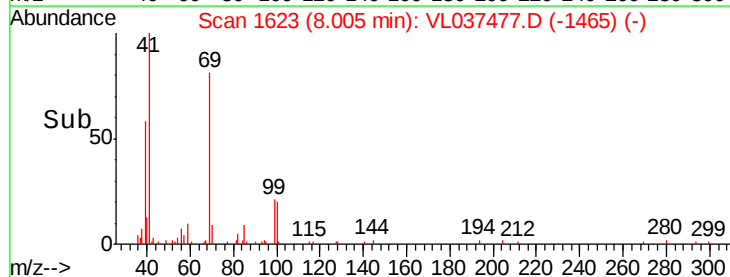
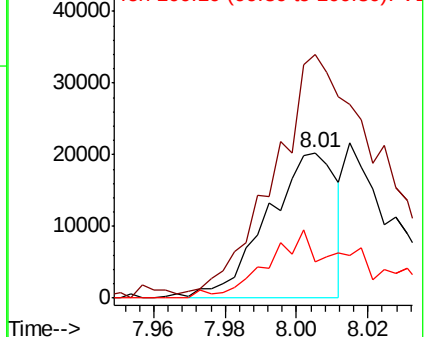
69 100

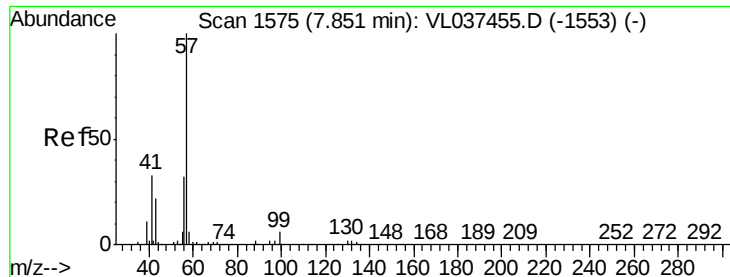
41 280.5 118.6 178.0#

100 68.2 27.4 41.0#



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

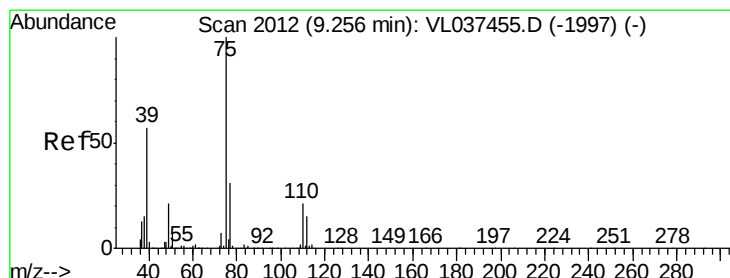
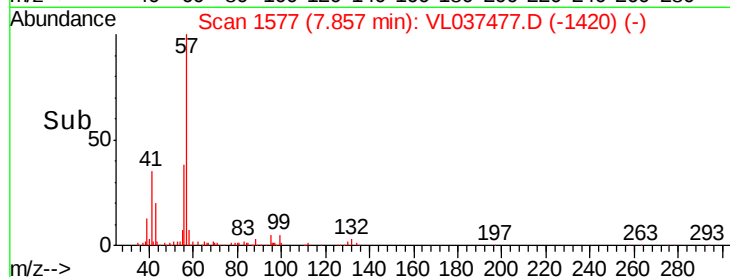
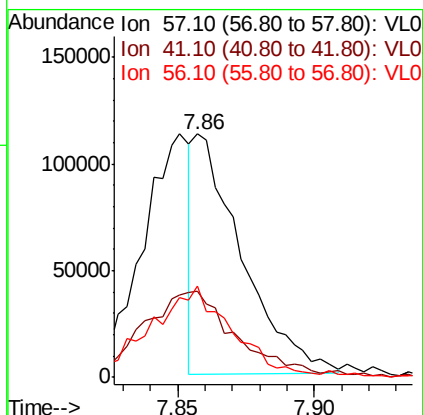
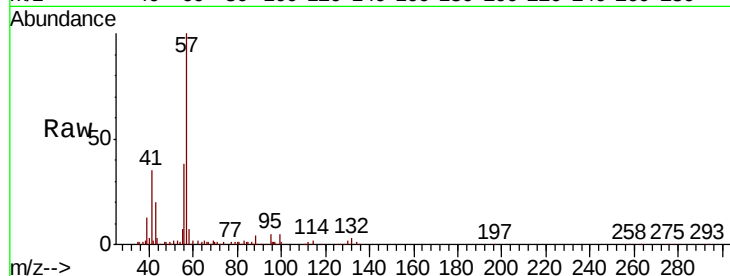




#44
 2,2,4-Trimethylpentane
 Concen: 0.235 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

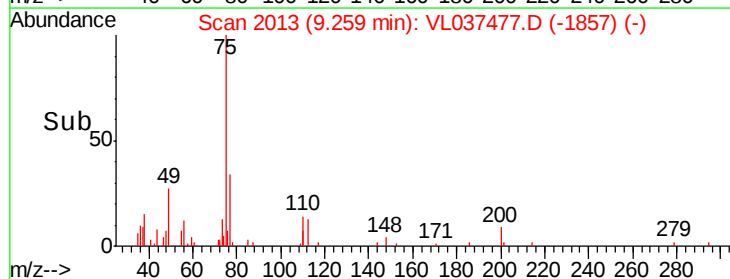
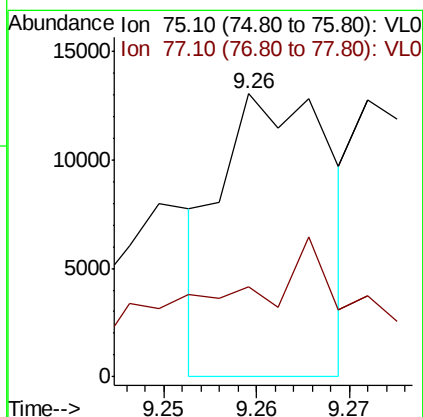
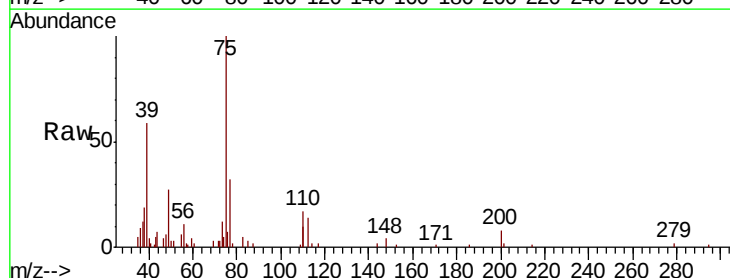
Instrument :
 MSVOA_L
 ClientSampleId :

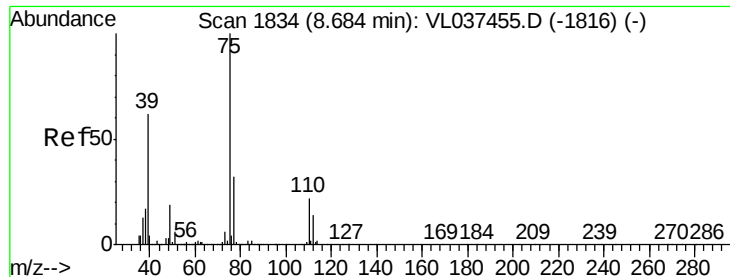
Tot Ion: 57 Resp: 136807
 Ion Ratio Lower Upper
 57 100
 41 73.1 26.2 39.4#
 56 68.4 25.4 38.2#



#45
 t-1,3-Dichloropropene
 Concen: 0.117 ppbv
 RT: 9.26 min Scan# 2013
 Delta R.T. 0.00 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Tgt Ion: 75 Resp: 10629
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.5 36.7



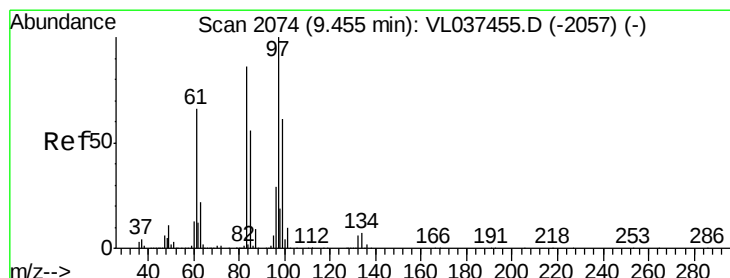
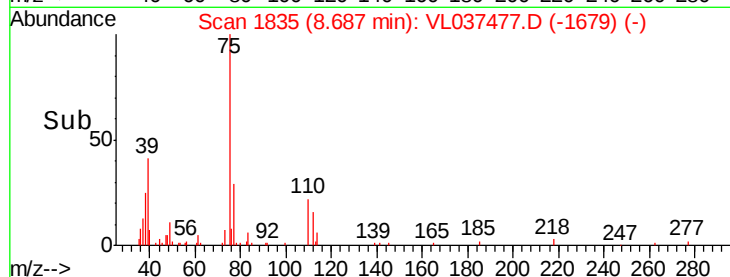
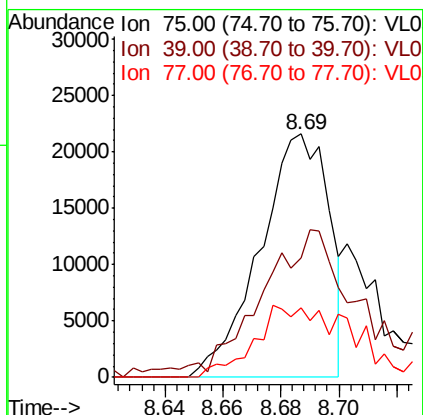
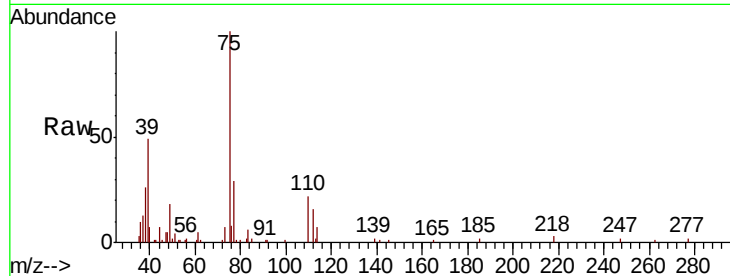


#46

cis-1,3-Dichloropropene
 Concen: 0.282 ppbv
 RT: 8.69 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Instrument :
 MSVOA_L
 ClientSampled :

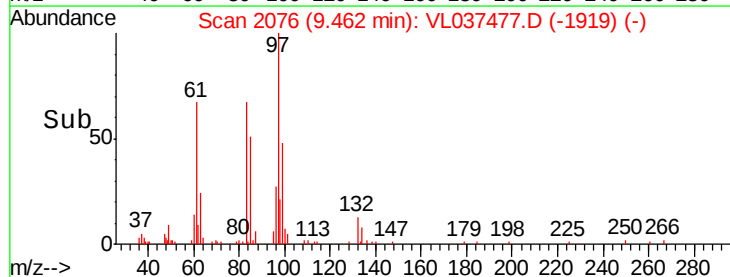
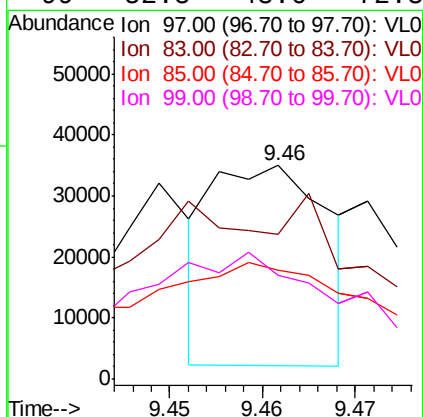
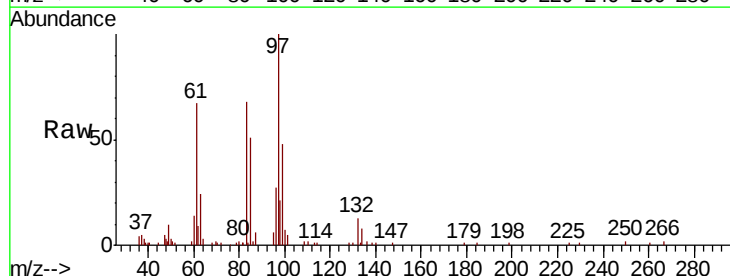
Tot Ion	Ratio	Lower	Upper
75	100		
39	44.1	49.7	74.5#
77	28.8	25.4	38.0

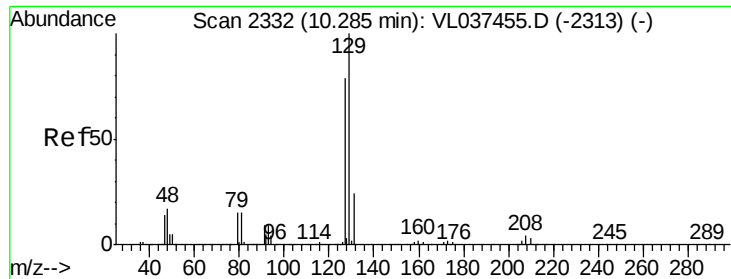


#47

1,1,2-Trichloroethane
 Concen: 0.198 ppbv
 RT: 9.46 min Scan# 2076
 Delta R.T. 0.01 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Tgt Ion	Ratio	Lower	Upper
97	100		
83	67.1	68.7	103.1#
85	42.1	44.7	67.1#
99	52.5	48.6	72.8





#48

Dibromochloromethane

Concen: 0.230 ppbv

RT: 10.29 min Scan# 2334

Delta R.T. 0.01 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

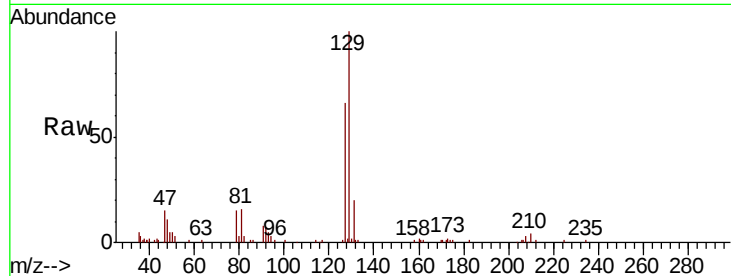
ClientSampleId :

Tot Ion:129 Resp: 47575

Ion Ratio Lower Upper

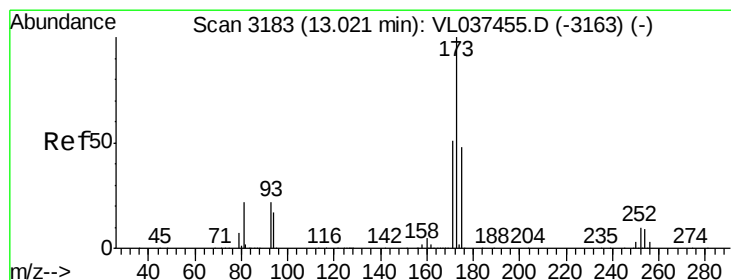
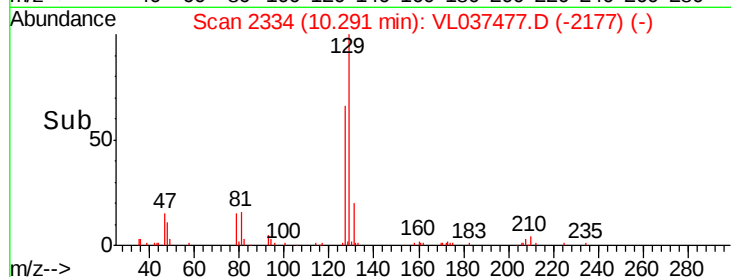
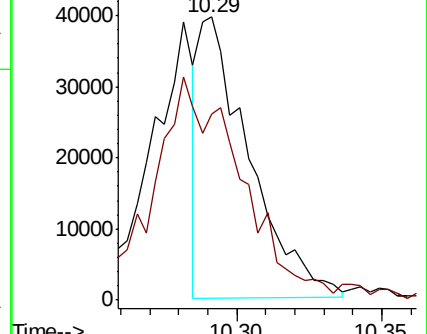
129 100

127 0.0 40.0 120.0#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 0.227 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

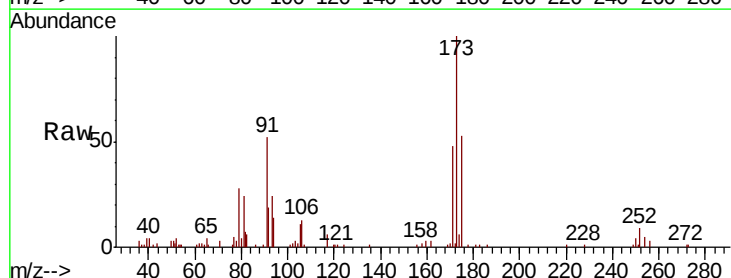
Tgt Ion:173 Resp: 36983

Ion Ratio Lower Upper

173 100

175 86.9 41.9 62.9#

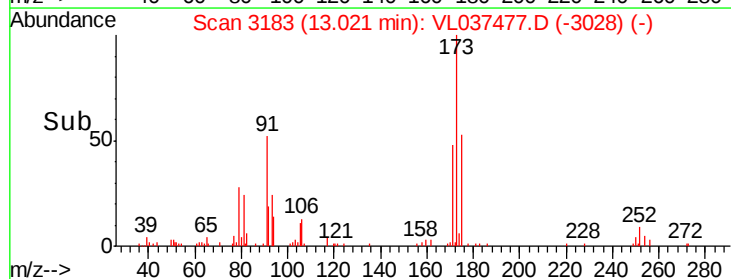
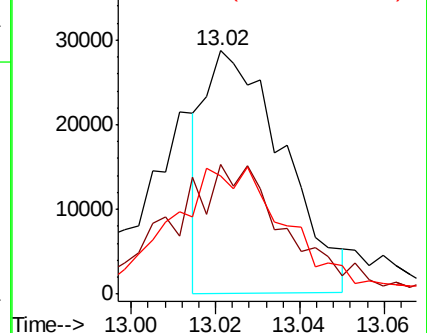
171 86.8 44.2 66.4#

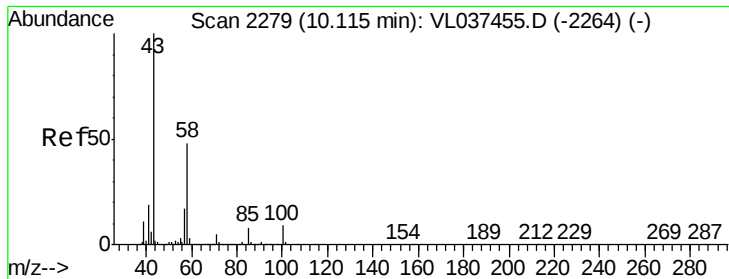


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V





#51

2-Hexanone

Concen: 0.133 ppbv

RT: 10.15 min Scan# 2290

Delta R.T. 0.04 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

ClientSampleId :

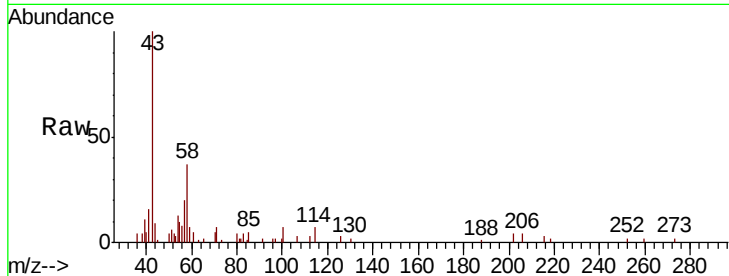
Tot Ion: 43 Resp: 13460

Ion Ratio Lower Upper

43 100

58 0.0 41.0 61.6#

98 4.9 0.3 0.5#

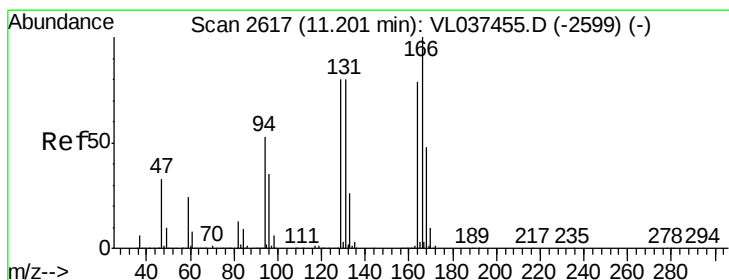
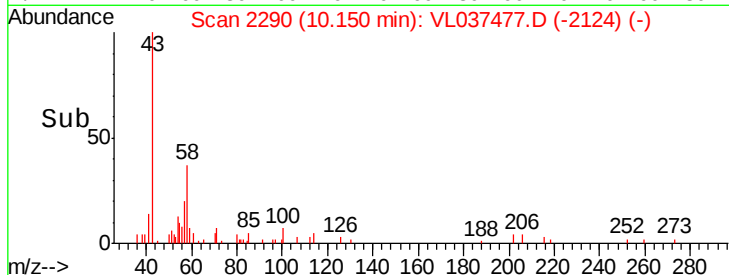
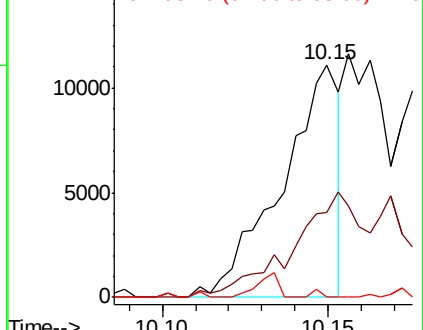


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.308 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. 0.01 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Tgt Ion: 164 Resp: 43600

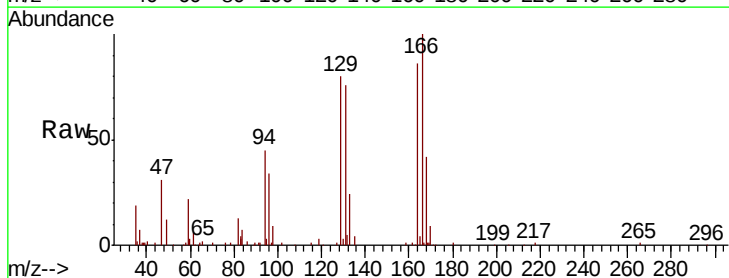
Ion Ratio Lower Upper

164 100

166 116.2 100.7 151.1

129 93.5 80.9 121.3

131 88.8 80.2 120.4



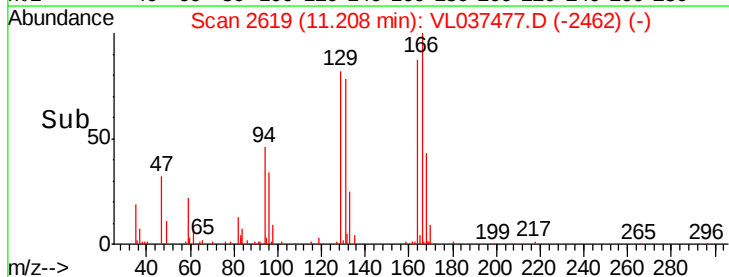
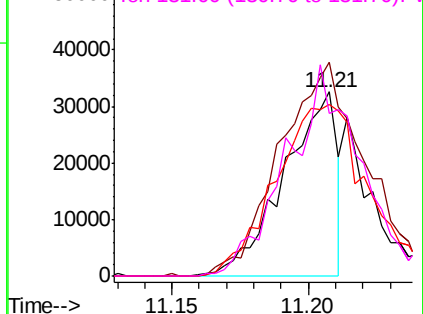
Abundance

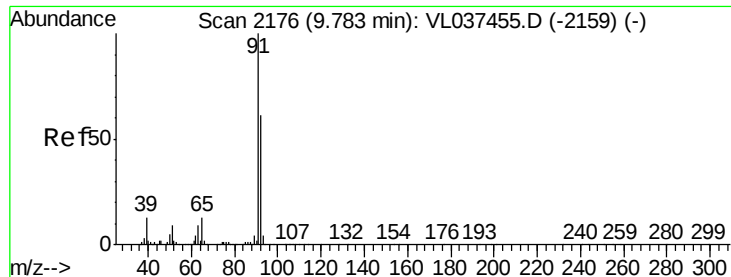
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.222 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

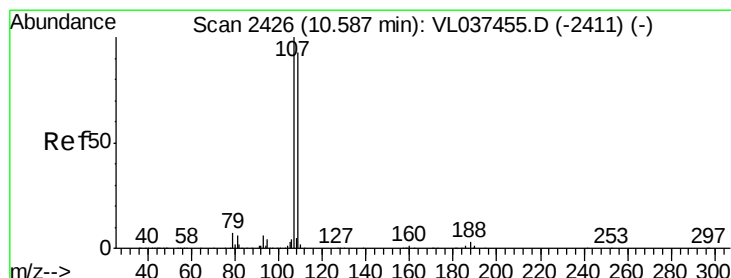
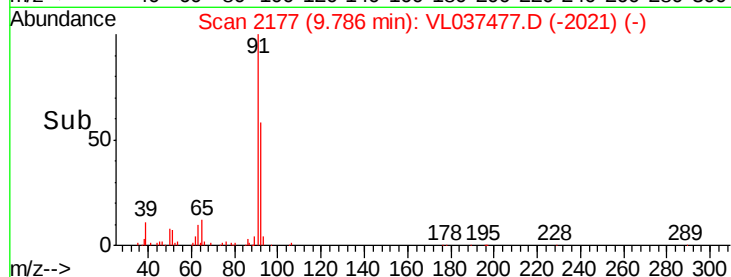
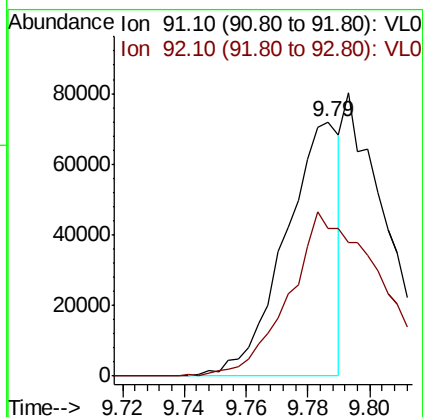
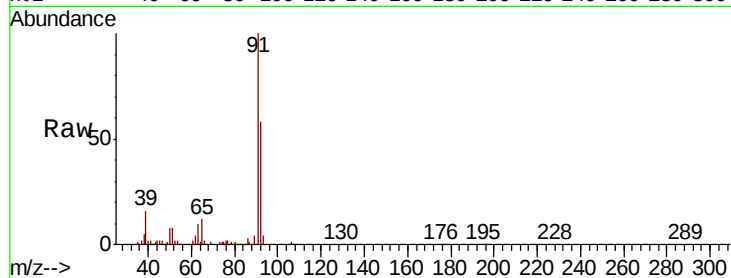
ClientSampleId :

Tot Ion: 91 Resp: 87828

Ion Ratio Lower Upper

91 100

92 116.6 48.8 73.2#



#54

1,2-Dibromoethane

Concen: 0.483 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. 0.01 min

Lab File: VL037477.D

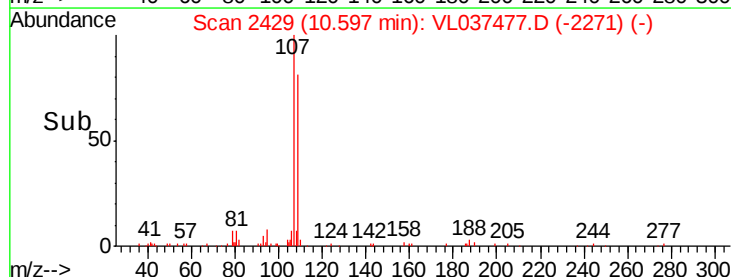
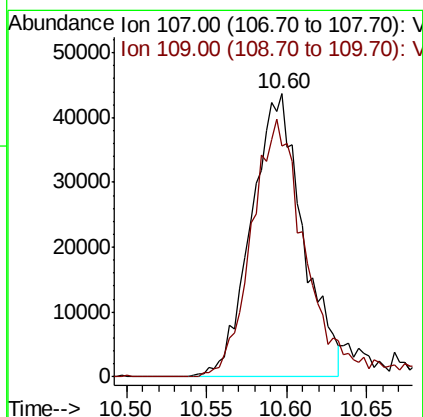
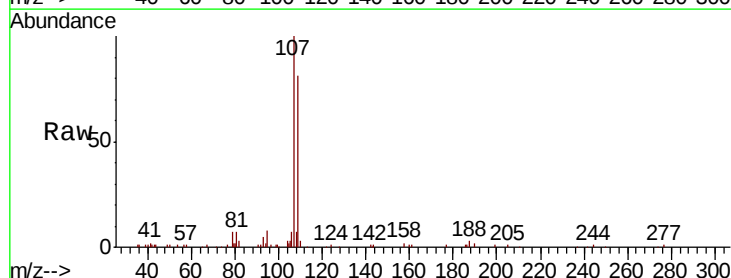
Acq: 17 Aug 2021 1:14

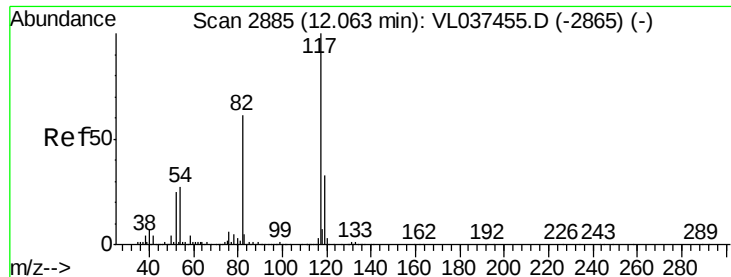
Tgt Ion: 107 Resp: 96888

Ion Ratio Lower Upper

107 100

109 81.4 74.2 111.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

ClientSampleId :

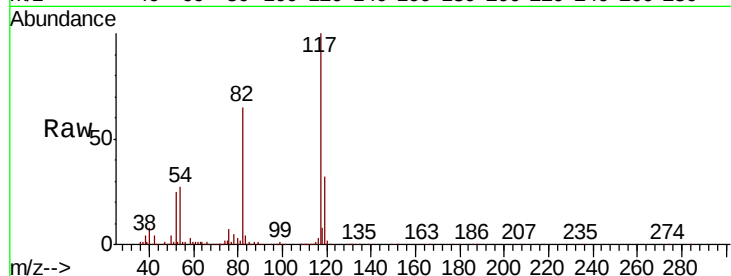
Tot Ion:117 Resp: 3547209

Ion Ratio Lower Upper

117 100

82 65.2 52.9 79.3

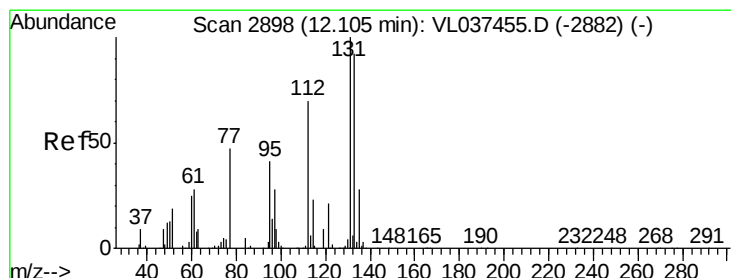
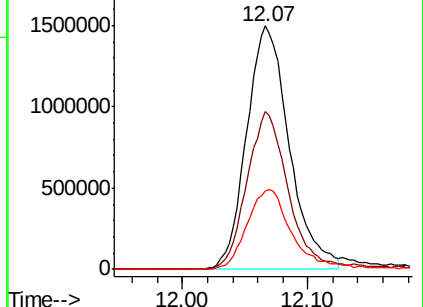
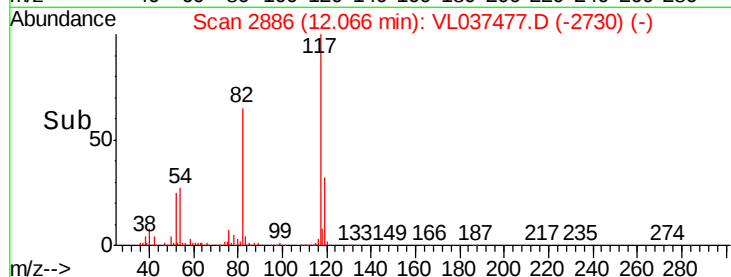
119 35.4 24.8 37.2



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.203 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. 0.01 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

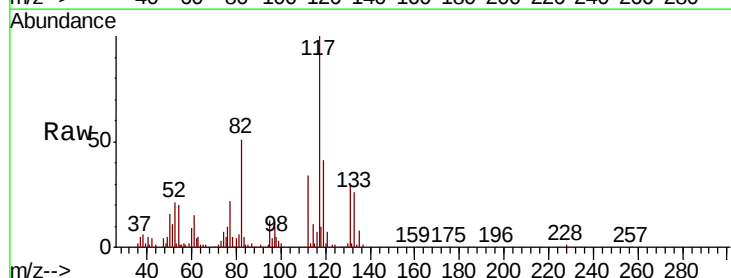
Tgt Ion:131 Resp: 30075

Ion Ratio Lower Upper

131 100

133 256.2 78.7 118.1#

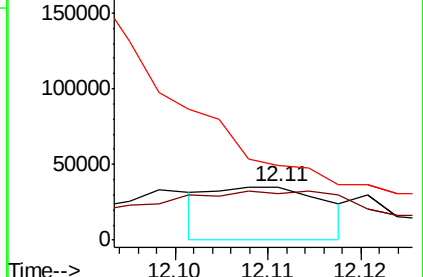
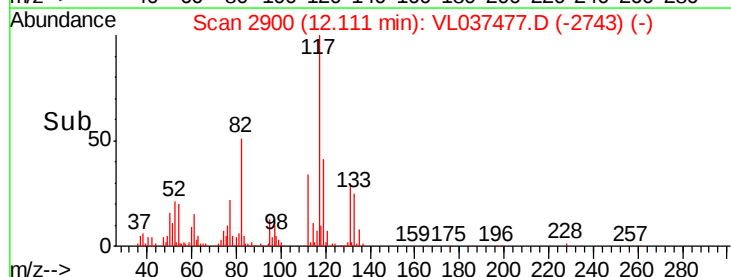
119 0.0 56.6 85.0#

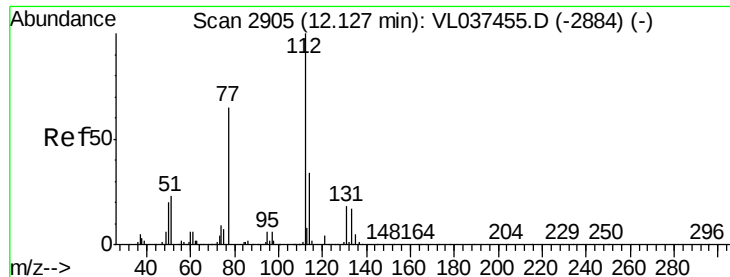


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

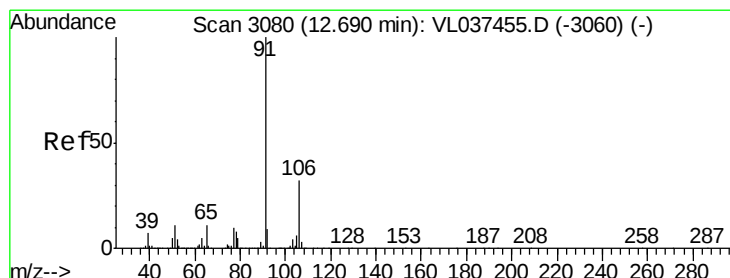
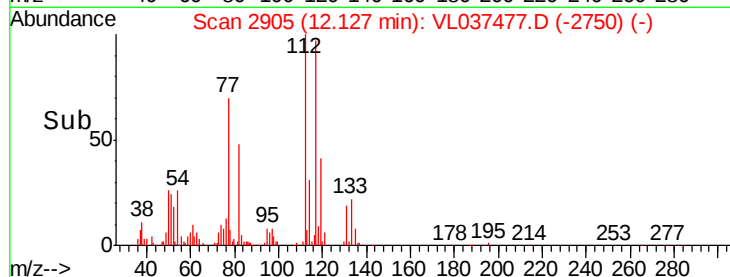
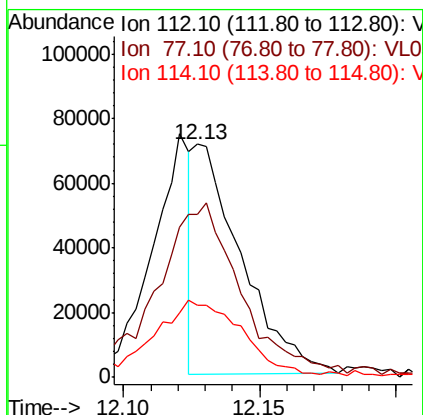
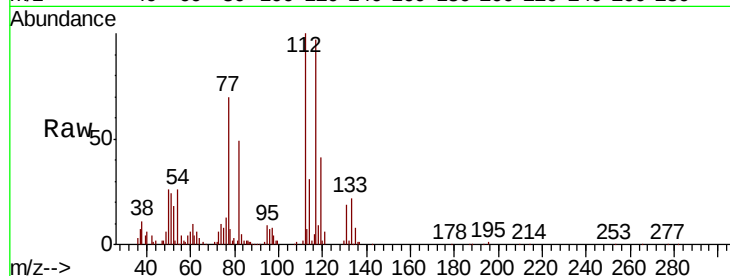




#57
Chlorobenzene
Concen: 0.290 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

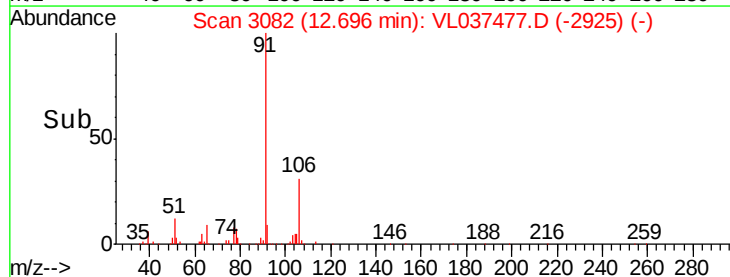
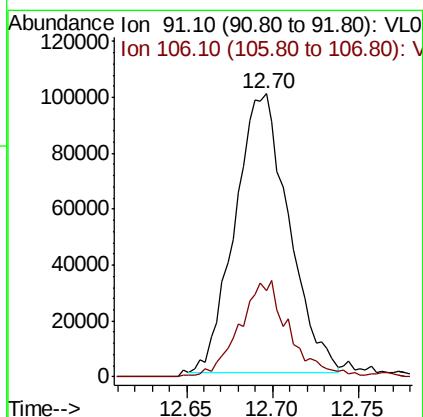
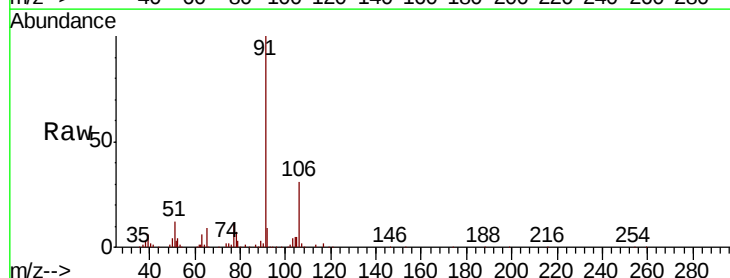
Instrument :
MSVOA_L
ClientSampleId :

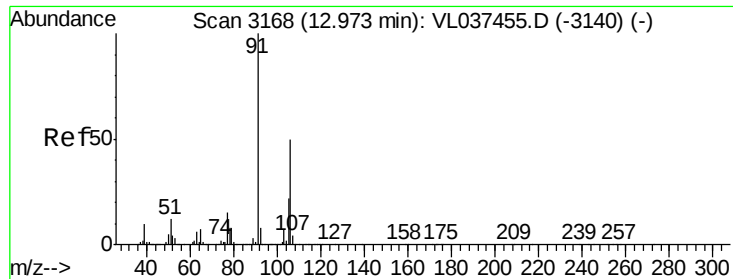
Tot Ion: 112 Resp: 85458
Ion Ratio Lower Upper
112 100
77 66.0 51.6 77.4
114 29.4 30.7 37.5#



#58
Ethyl Benzene
Concen: 0.441 ppbv
RT: 12.70 min Scan# 3082
Delta R.T. 0.01 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion: 91 Resp: 216929
Ion Ratio Lower Upper
91 100
106 30.5 25.7 38.5





#59

m/p-Xylene

Concen: 0.416 ppbv

RT: 12.98 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

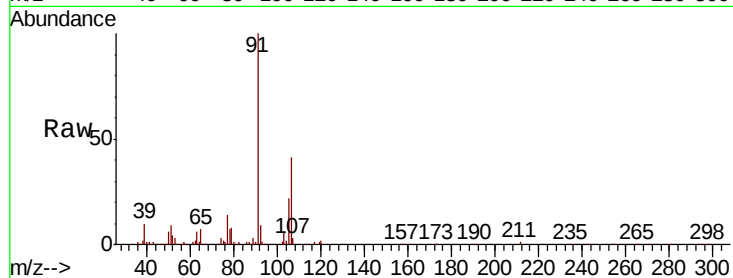
ClientSampleId :

Tot Ion: 91 Resp: 177338

Ion Ratio Lower Upper

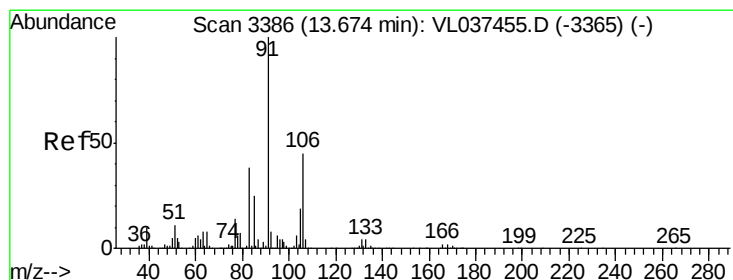
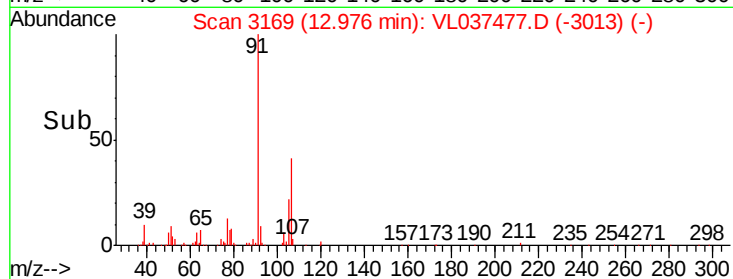
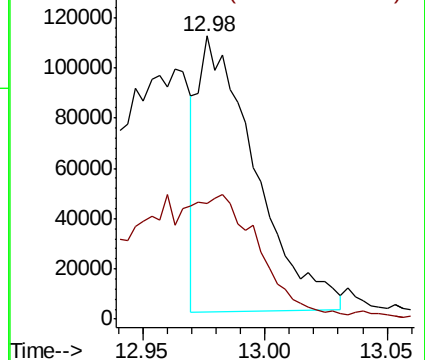
91 100

106 0.0 36.9 55.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.510 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VL037477.D

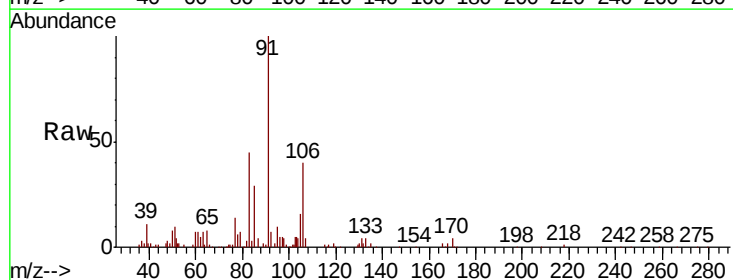
Acq: 17 Aug 2021 1:14

Tgt Ion: 91 Resp: 203188

Ion Ratio Lower Upper

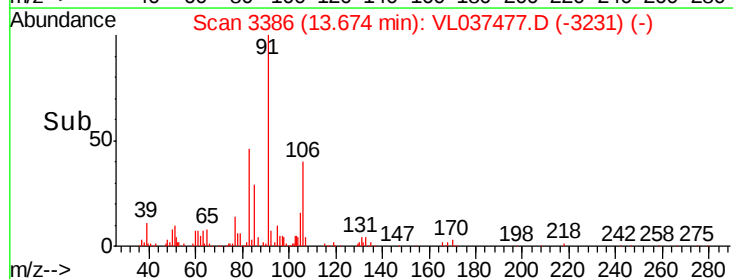
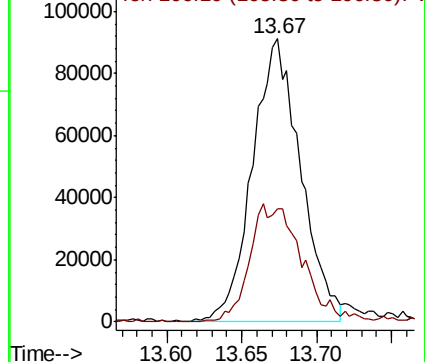
91 100

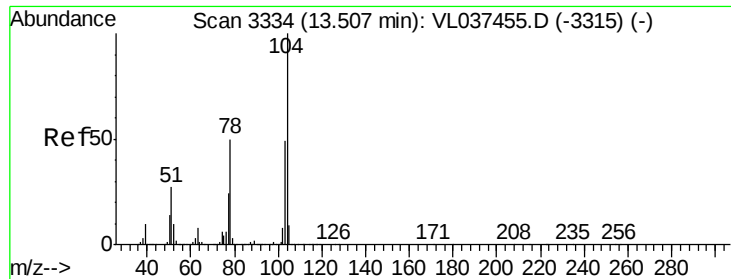
106 45.6 23.7 71.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 0.321 ppbv

RT: 13.51 min Scan# 3336

Delta R.T. 0.01 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

ClientSampleId :

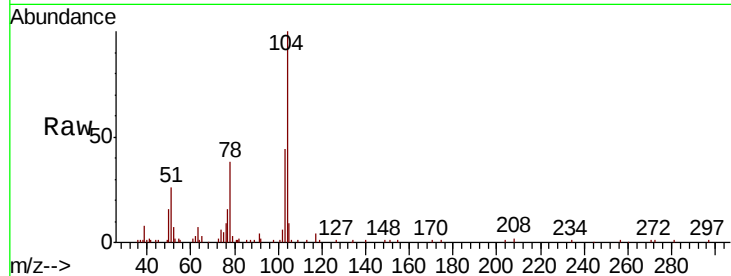
Tot Ion:104 Resp: 66450

Ion Ratio Lower Upper

104 100

78 63.7 41.3 61.9#

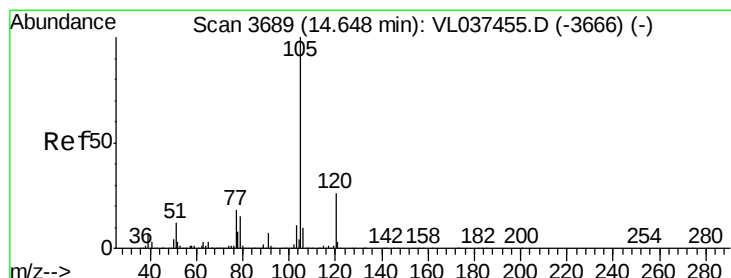
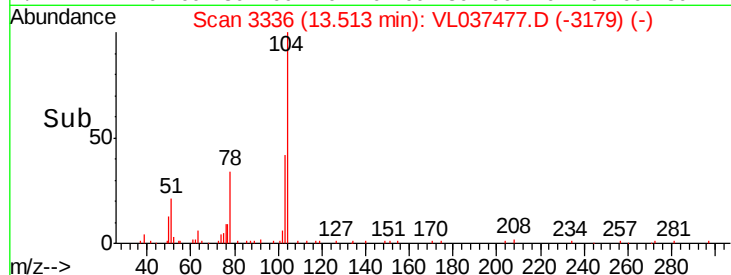
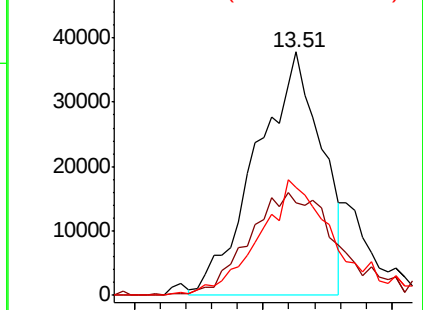
103 57.6 39.4 59.0



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



#62

Isopropylbenzene

Concen: 0.532 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. -0.00 min

Lab File: VL037477.D

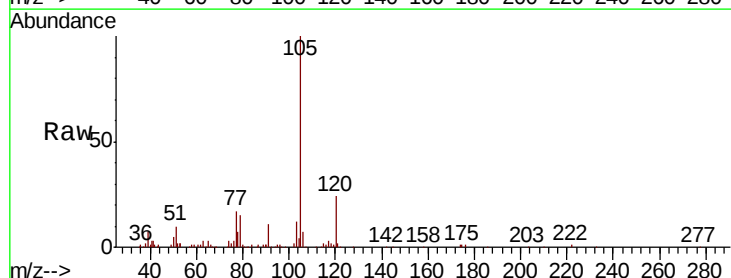
Acq: 17 Aug 2021 1:14

Tgt Ion:105 Resp: 299234

Ion Ratio Lower Upper

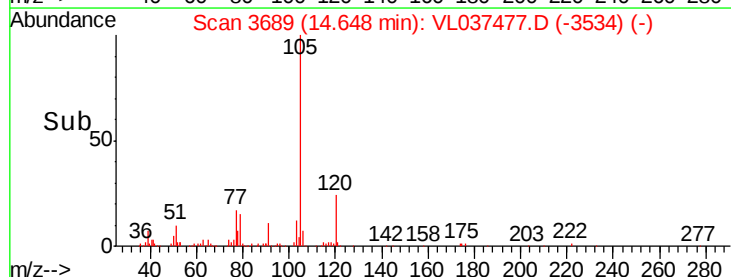
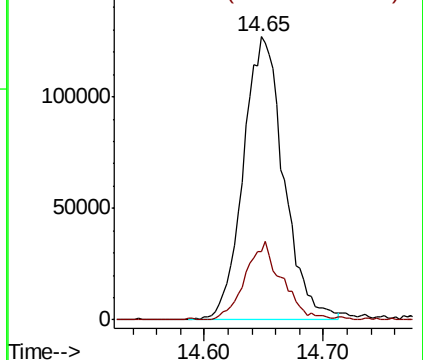
105 100

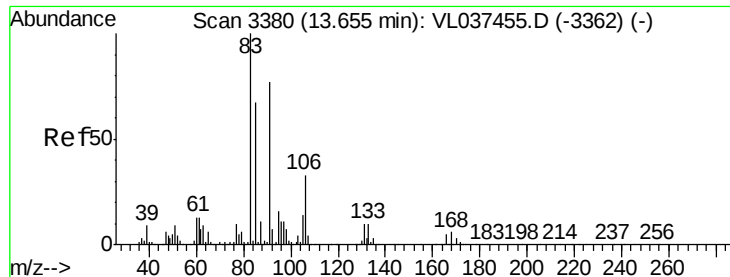
120 25.7 21.5 32.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.241 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

ClientSampleId :

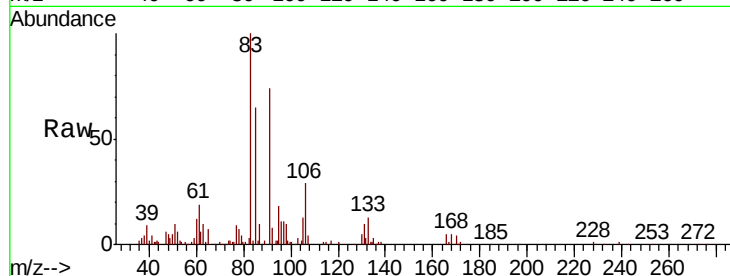
Tot Ion: 83 Resp: 71330

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

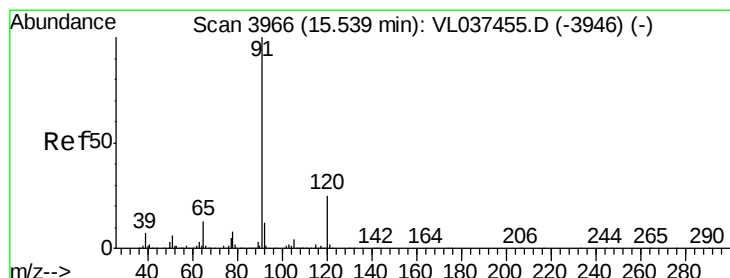
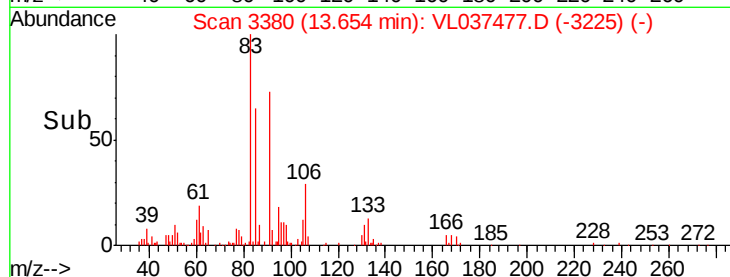
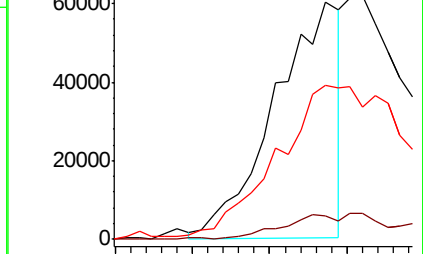
85 153.2 33.8 101.3#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.061 ppbv

RT: 15.82 min Scan# 4054

Delta R.T. 0.28 min

Lab File: VL037477.D

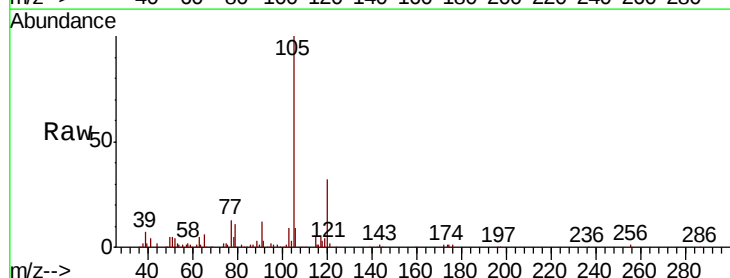
Acq: 17 Aug 2021 1:14

Tgt Ion:120 Resp: 8695

Ion Ratio Lower Upper

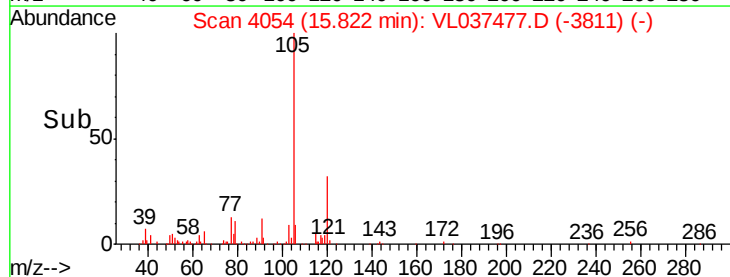
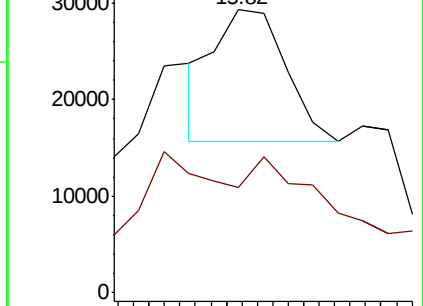
120 100

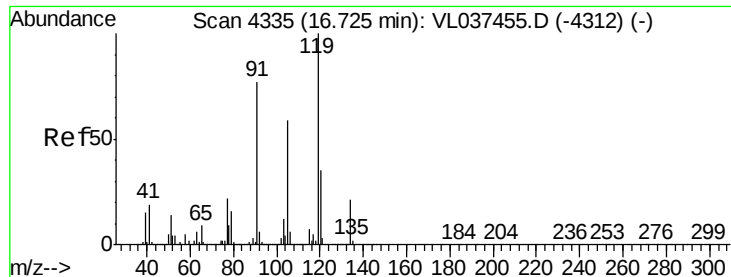
91 388.8 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

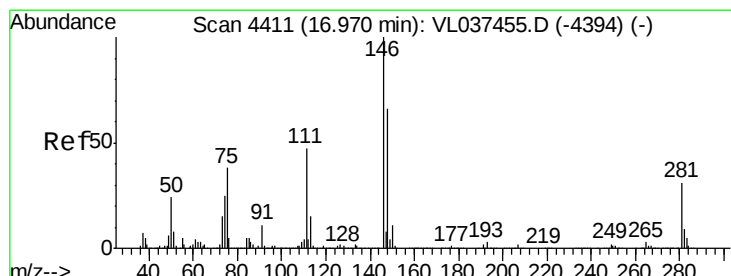
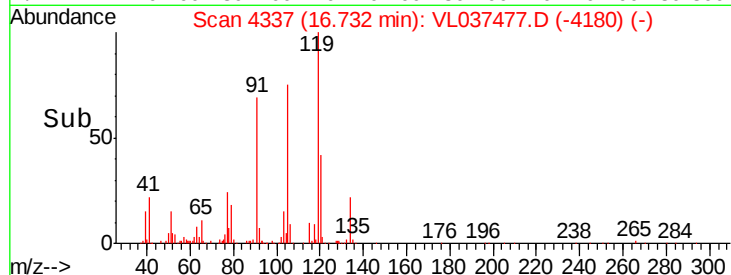
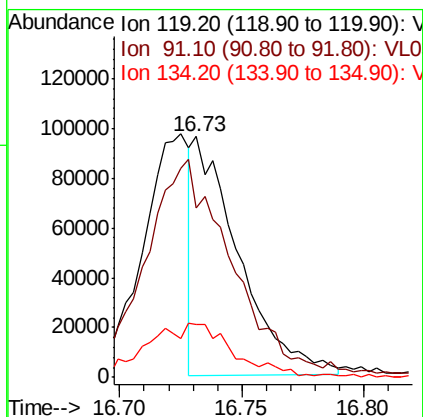
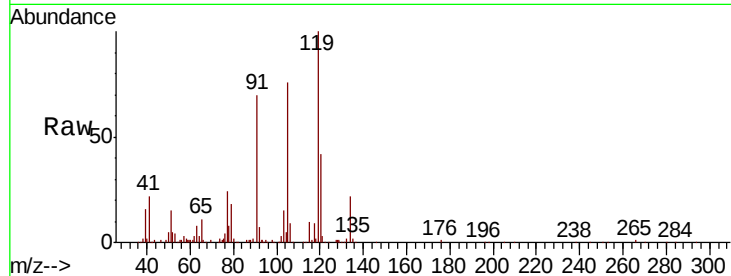




#65
tert-Butylbenzene
Concen: 0.241 ppbv
RT: 16.73 min Scan# 4337
Delta R.T. 0.01 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

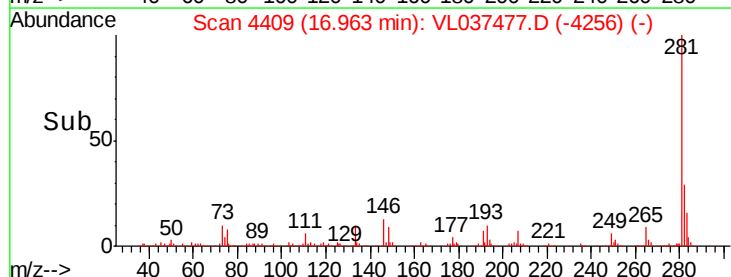
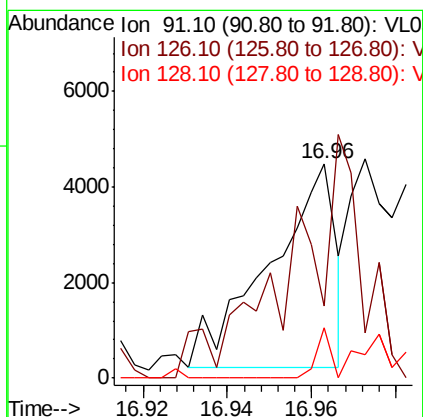
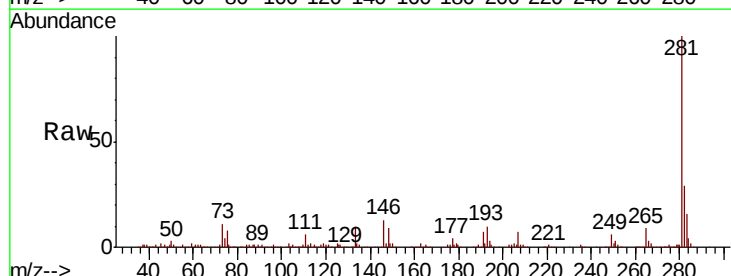
Instrument :
MSVOA_L
ClientSampleId :

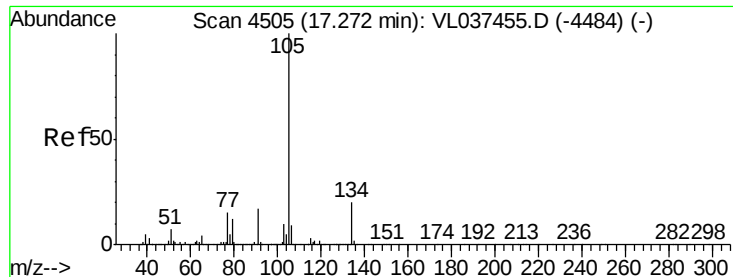
Tot Ion	Ratio	Lower	Upper
119	100		
91	0.0	62.9	94.3#
134	0.0	16.4	24.6#



#66
Benzyl Chloride
Concen: 0.199 ppbv
RT: 16.96 min Scan# 4409
Delta R.T. -0.01 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	136.1	15.9	23.9#
128	24.3	5.4	8.0#





#67

sec-Butylbenzene

Concen: 0.497 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. 0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

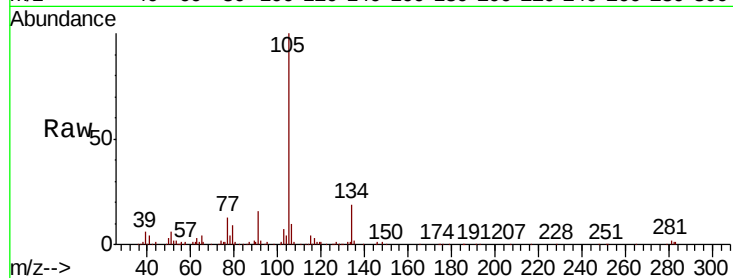
ClientSampleId :

Tot Ion: 105 Resp: 355293

Ion Ratio Lower Upper

105 100

134 18.4 15.2 22.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.27

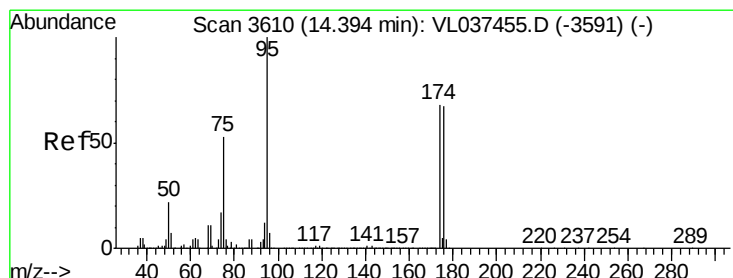
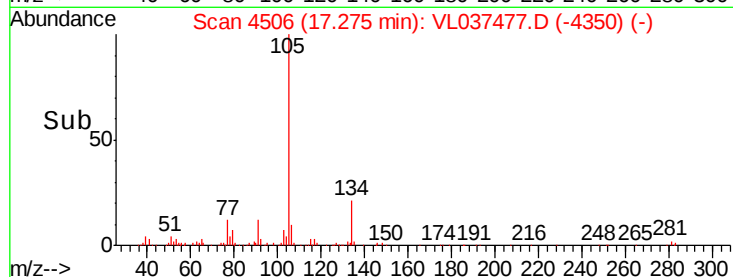
150000

100000

50000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.808 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

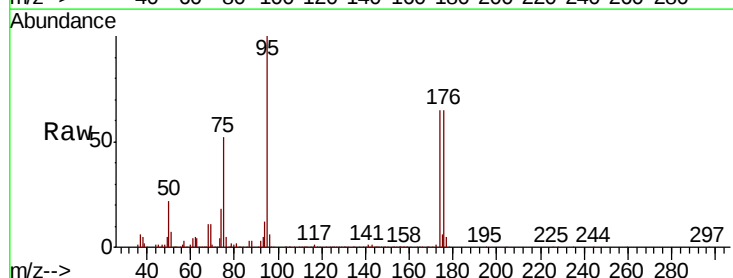
Tgt Ion: 95 Resp: 2723608

Ion Ratio Lower Upper

95 100

174 71.7 59.6 89.4

175 5.3 4.6 7.0



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

14.39

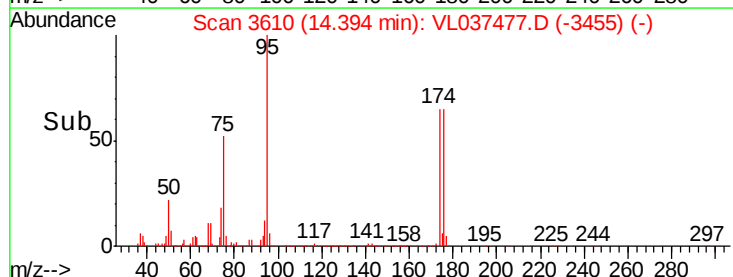
1500000

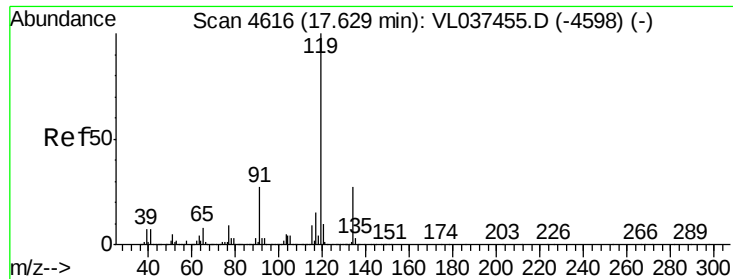
1000000

500000

0

Time-->





#69

p-Isopropyltoluene

Concen: 0.469 ppbv

RT: 17.64 min Scan# 4618

Delta R.T. 0.01 min

Lab File: VL037477.D

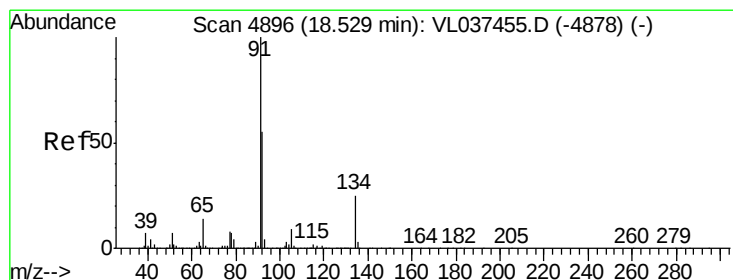
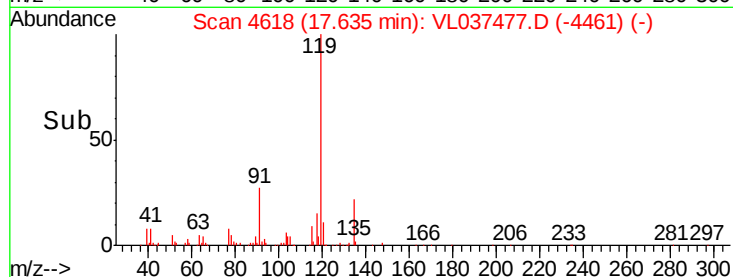
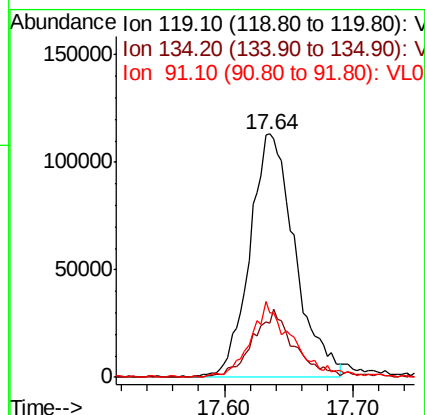
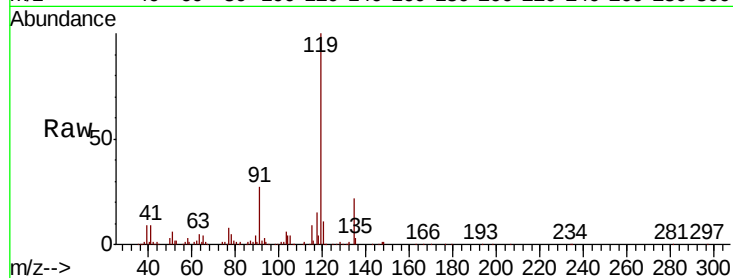
Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

ClientSampled :

Tot Ion:	119	Resp:	273196
Ion	Ratio	Lower	Upper
119	100		
134	27.0	21.1	31.7
91	30.6	22.4	33.6



#70

n-Butylbenzene

Concen: 0.416 ppbv

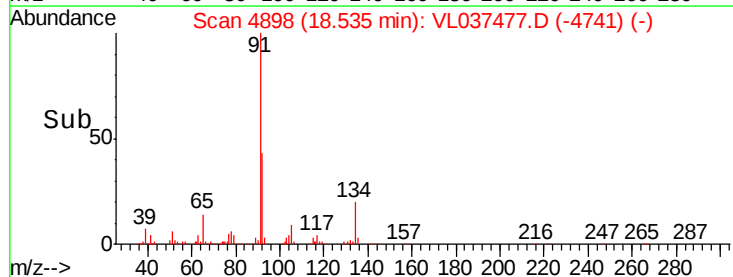
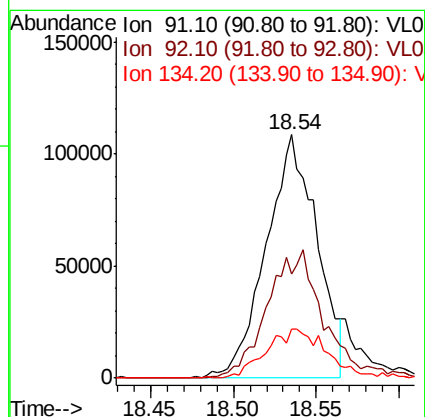
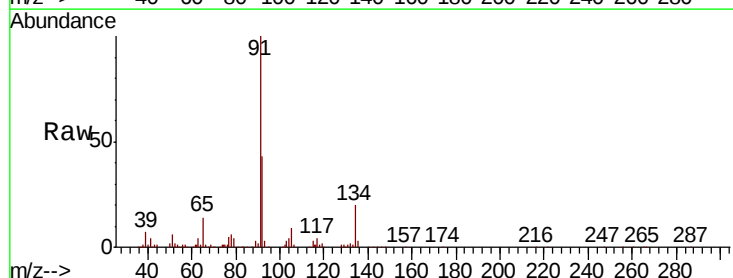
RT: 18.54 min Scan# 4898

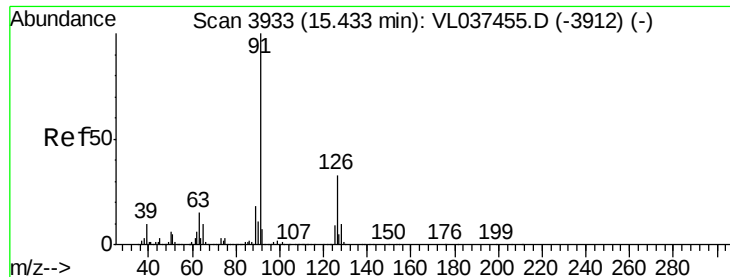
Delta R.T. 0.01 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Tgt Ion:	91	Resp:	231555
Ion	Ratio	Lower	Upper
91	100		
92	59.8	44.0	66.0
134	24.8	19.5	29.3

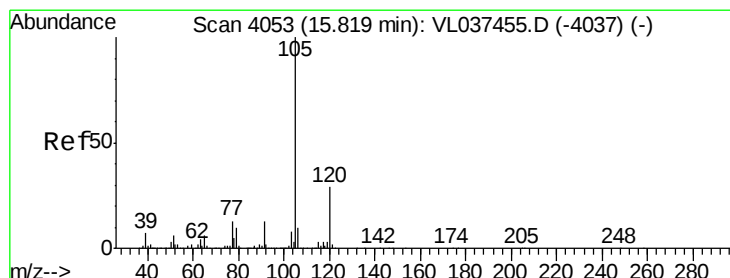
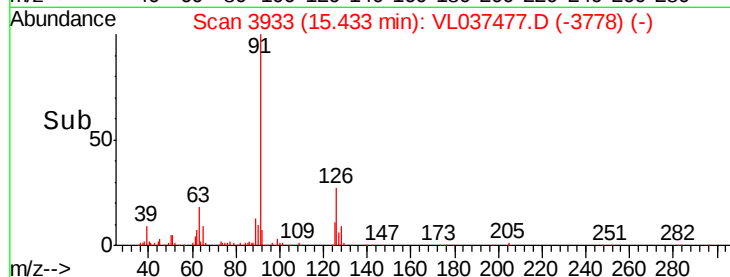
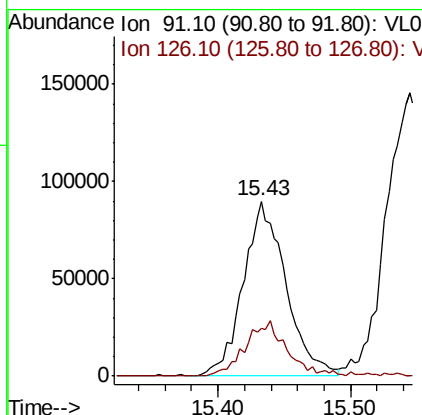
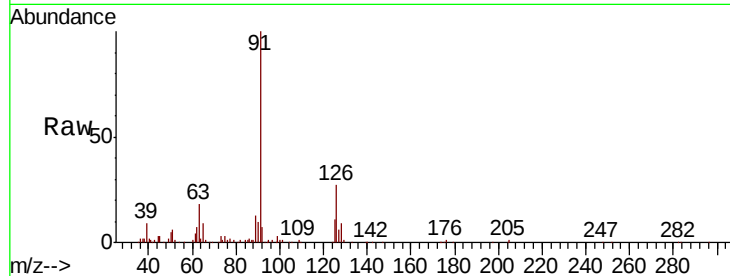




#71
2-Chlorotoluene
Concen: 0.488 ppbv
RT: 15.43 min Scan# 3933
Delta R.T. -0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

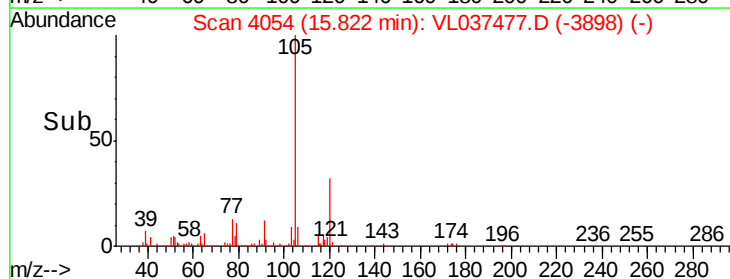
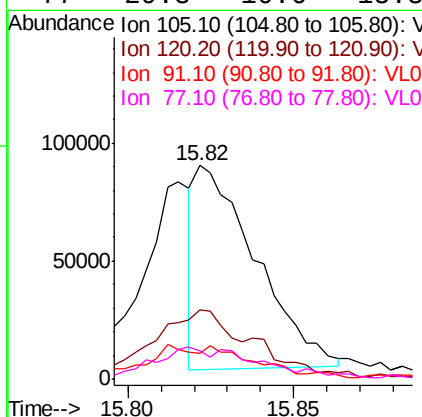
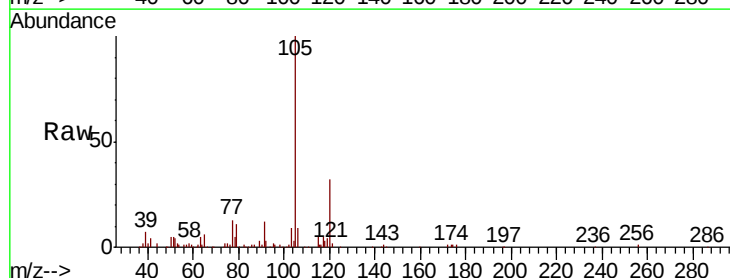
Instrument :
MSVOA_L
ClientSampleId :

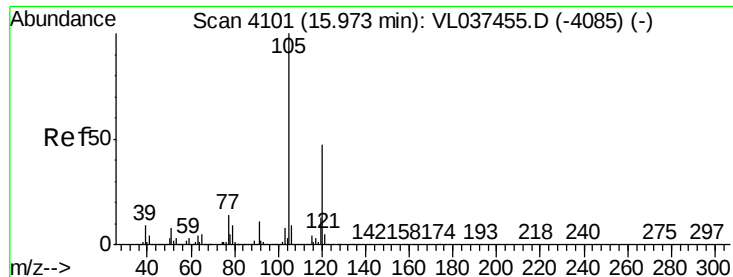
Tot Ion: 91 Resp: 201229
Ion Ratio Lower Upper
91 100
126 31.0 13.6 54.4



#72
4-Ethyltoluene
Concen: 0.231 ppbv
RT: 15.82 min Scan# 4054
Delta R.T. 0.00 min
Lab File: VL037477.D
Acq: 17 Aug 2021 1:14

Tgt Ion:105 Resp: 109335
Ion Ratio Lower Upper
105 100
120 61.8 24.7 37.1#
91 0.0 9.8 14.8#
77 29.8 10.6 15.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.471 ppbv

RT: 15.98 min Scan# 4103

Delta R.T. 0.01 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

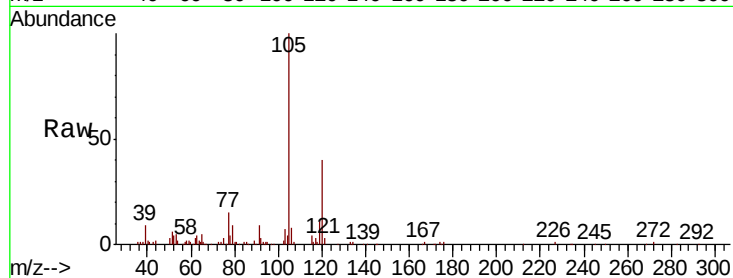
ClientSampleId :

Tot Ion:105 Resp: 207552

Ion Ratio Lower Upper

105 100

120 40.4 37.6 56.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.98

80000

60000

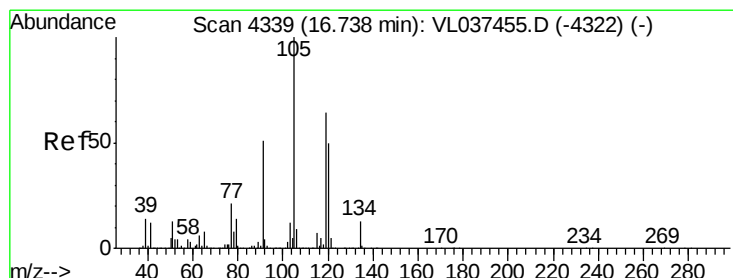
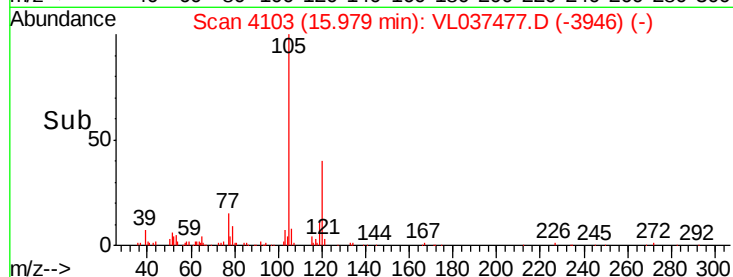
40000

20000

0

15.90 16.00

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.263 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Tgt Ion:105 Resp: 123337

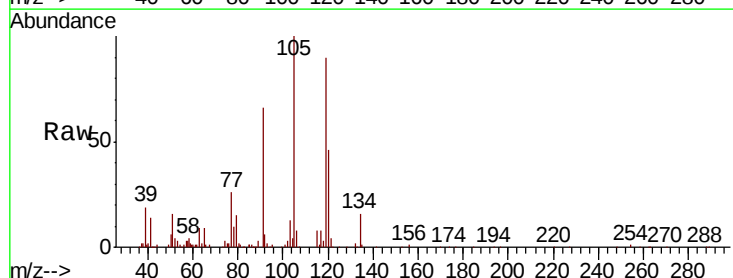
Ion Ratio Lower Upper

105 100

120 42.9 40.4 60.6

91 45.8 44.6 67.0

77 21.9 17.8 26.6



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

150000

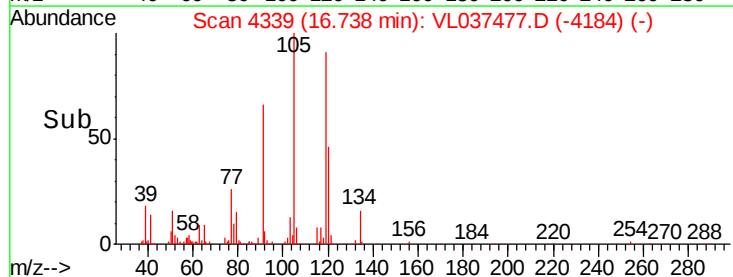
100000

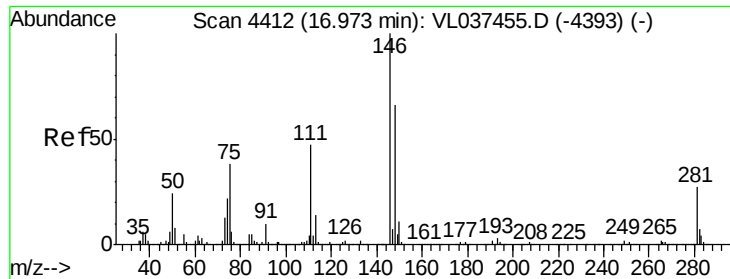
50000

0

16.70 16.75

Time-->





#75

1,3-Dichlorobenzene

Concen: 0.500 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. 0.01 min

Lab File: VL037477.D

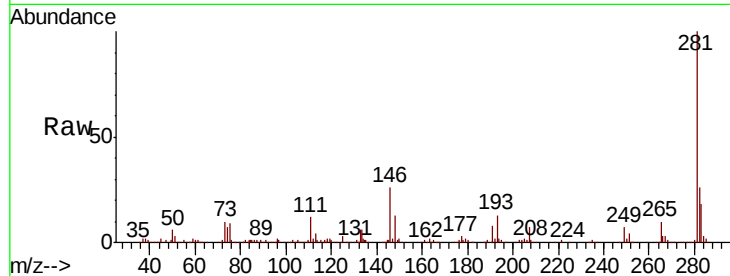
Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

ClientSampleId :

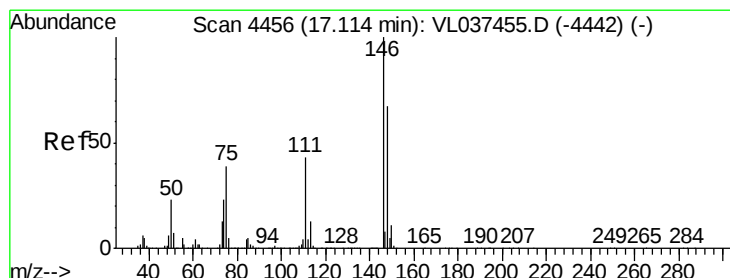
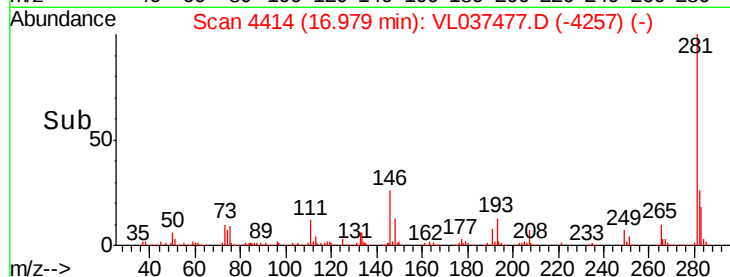
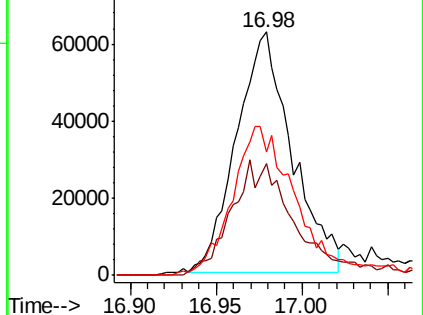
Tot Ion:	146	Resp:	141134
Ion	Ratio	Lower	Upper
146	100		
111	55.0	23.4	70.0
148	71.2	33.1	99.5



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



#76

1,4-Dichlorobenzene

Concen: 0.424 ppbv

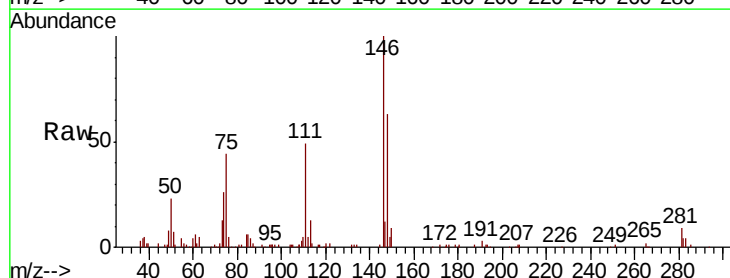
RT: 17.12 min Scan# 4457

Delta R.T. 0.00 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

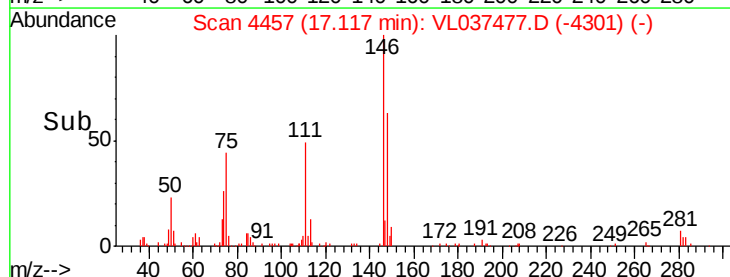
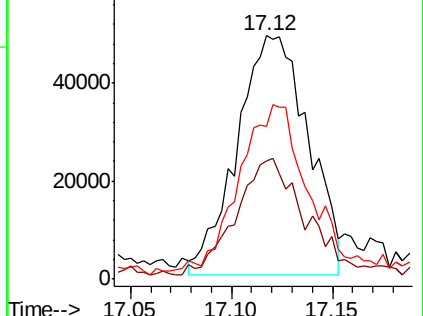
Tgt Ion:	146	Resp:	120516
Ion	Ratio	Lower	Upper
146	100		
111	54.7	22.1	66.5
148	79.2	32.4	97.0

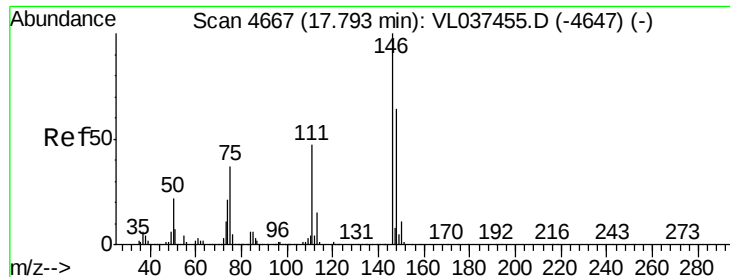


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

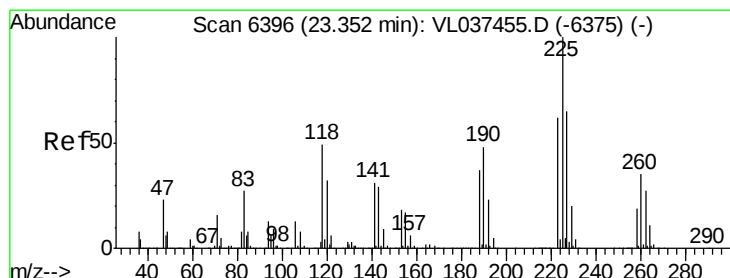
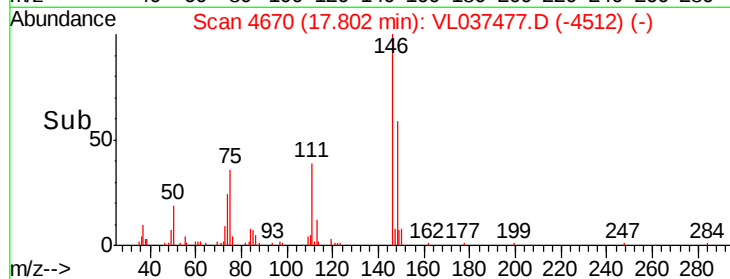
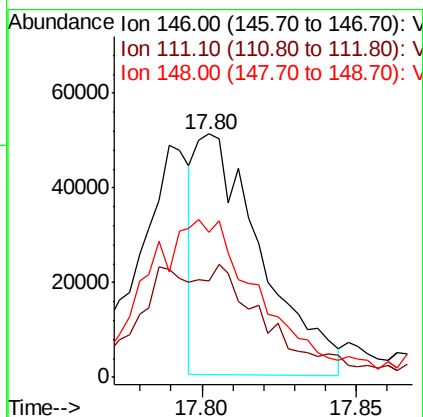
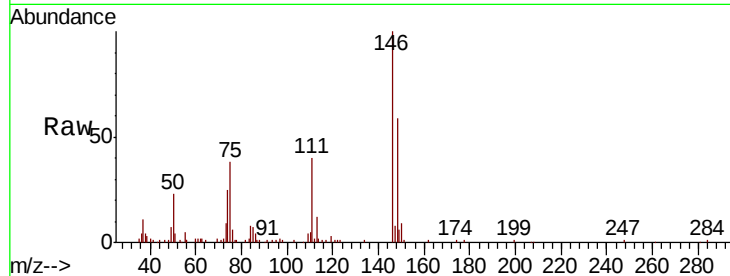




#77
 1,2-Dichlorobenzene
 Concen: 0.269 ppbv
 RT: 17.80 min Scan# 4670
 Delta R.T. 0.01 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

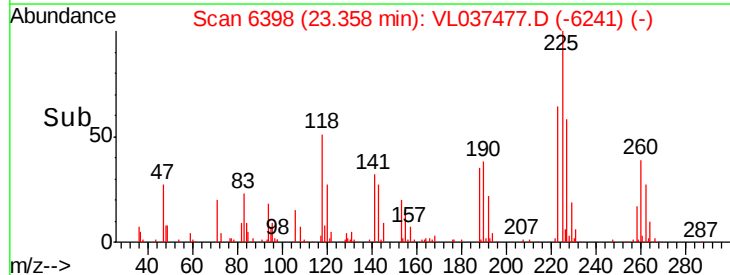
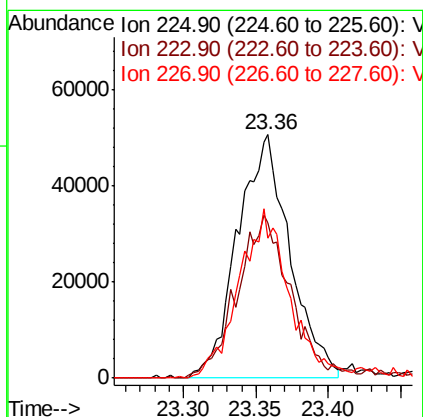
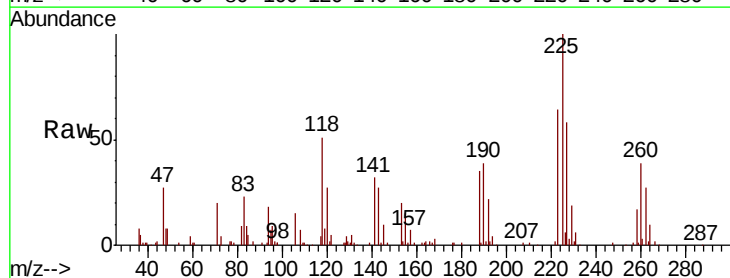
Instrument :
 MSVOA_L
 ClientSampleId :

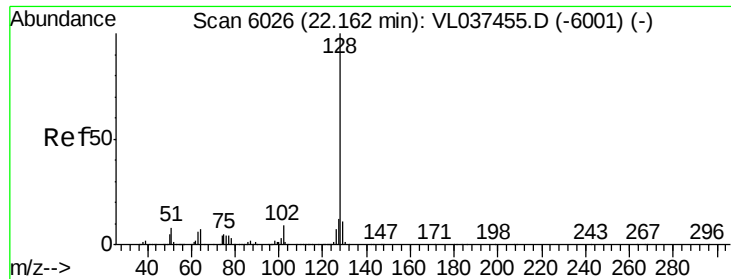
Tot Ion:146 Resp: 74781
 Ion Ratio Lower Upper
 146 100
 111 94.4 23.4 70.3#
 148 127.7 32.5 97.5#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.548 ppbv
 RT: 23.36 min Scan# 6398
 Delta R.T. 0.01 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Tgt Ion:225 Resp: 126467
 Ion Ratio Lower Upper
 225 100
 223 70.9 51.4 77.0
 227 68.5 52.9 79.3





#79

Naphthalene

Concen: 0.159 ppbv

RT: 22.18 min Scan# 6031

Delta R.T. 0.02 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

Instrument :

MSVOA_L

ClientSampleId :

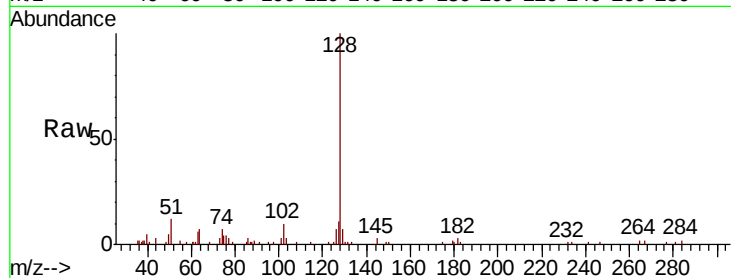
Tot Ion:128 Resp: 49942

Ion Ratio Lower Upper

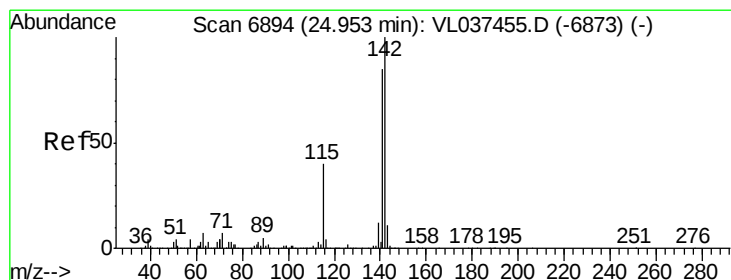
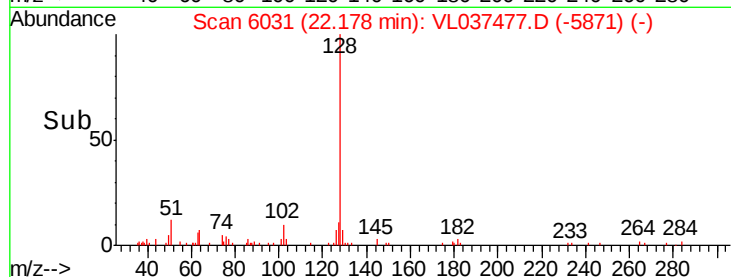
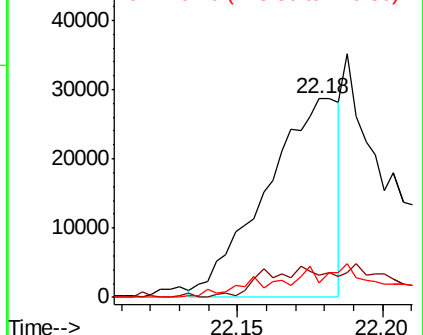
128 100

127 9.1 9.4 14.2#

129 6.4 8.8 13.2#



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: 0.084 ppbv

RT: 24.98 min Scan# 6903

Delta R.T. 0.03 min

Lab File: VL037477.D

Acq: 17 Aug 2021 1:14

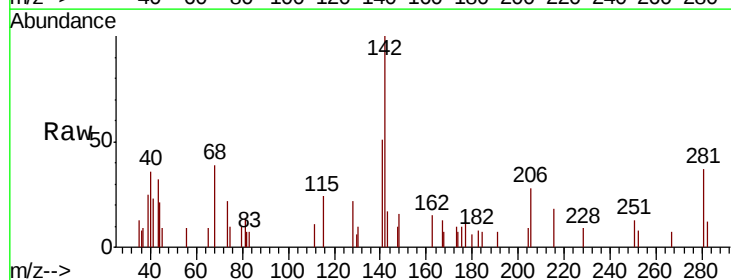
Tgt Ion:142 Resp: 7353

Ion Ratio Lower Upper

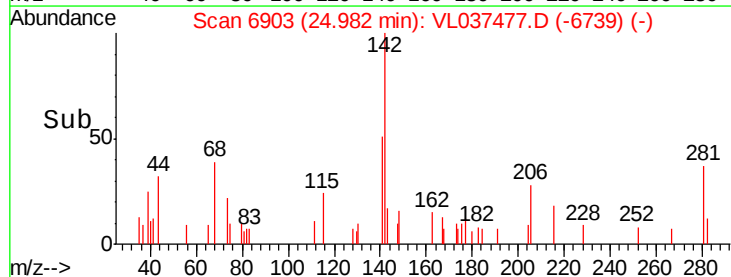
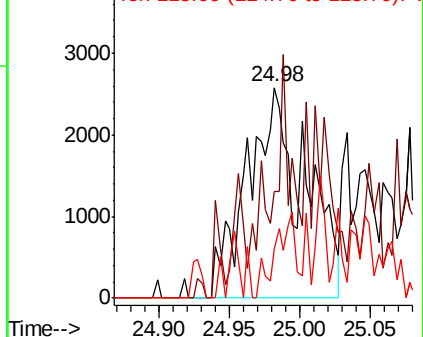
142 100

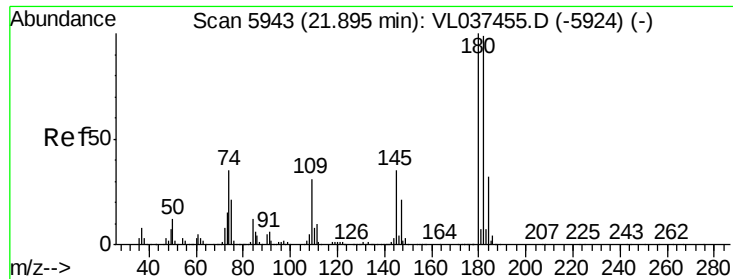
141 59.7 64.7 97.1#

115 0.0 28.4 42.6#



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

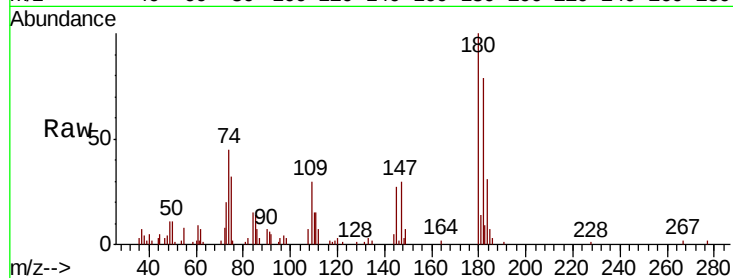




#81
 1,2,4-Trichlorobenzene
 Concen: 0.135 ppbv
 RT: 21.90 min Scan# 5943
 Delta R.T. -0.00 min
 Lab File: VL037477.D
 Acq: 17 Aug 2021 1:14

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 26637
 Ion Ratio Lower Upper
 180 100
 182 0.0 79.6 119.4#
 184 98.8 25.4 38.2#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

