

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037418.D
 Acq On : 12 Aug 2021 17:18
 Operator : SY/AP
 Sample : VL0812ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 13 01:46:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 01:37:35 2021
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1360802	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4069042	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4505373	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2713119	8.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1900027	9.139	ppbv 99
3) Chlorodifluoromethane	2.99	51	2362517	8.841	ppbv 99
4) Chloromethane	3.14	50	869119	9.048	ppbv 99
5) Vinyl Chloride	3.26	62	867034	8.192	ppbv 99
6) Bromomethane	3.47	94	438614	7.991	ppbv 99
7) Chloroethane	3.56	64	309603	8.860	ppbv 88
8) Dichlorotetrafluoroethane	3.19	85	2118895	9.132	ppbv 100
9) Propene	3.01	41	819576	9.133	ppbv 98
10) Heptane	8.12	43	2059725	9.439	ppbv 99
11) Trichlorofluoromethane	3.95	101	2009392	8.932	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1484783	9.422	ppbv 97
13) Ethanol	3.61	45	82384	8.603	ppbv 100
14) Bromoethene	3.74	108	679259	9.690	ppbv 99
15) Acetone	3.85	43	1107886	7.677	ppbv 98
16) 1,3-Butadiene	3.33	39	860326	8.882	ppbv 97
17) tert-Butyl alcohol	4.29	59	1352021	9.815	ppbv 99
18) 1,1-Dichloroethene	4.29	96	691802	9.455	ppbv 91
19) Isopropyl Alcohol	3.98	45	757412	9.018	ppbv # 1
20) Methylene Chloride	4.35	84	617813	8.096	ppbv 98
21) Allyl Chloride	4.41	41	1035736	9.159	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	647299	9.431	ppbv 97
23) Vinyl Acetate	5.07	43	2013649	9.093	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1524361	8.863	ppbv 99
25) Ethyl Acetate	5.68	43	3157229	9.180	ppbv 99
26) Hexane	5.69	57	1581653	8.911	ppbv 99
27) Carbon Disulfide	4.55	76	1639094	10.953	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	1759244	9.262	ppbv 99
29) Chloroform	5.75	83	2288121	9.156	ppbv 100
30) Cyclohexane	7.13	84	1343943	9.194	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1500884	9.783	ppbv 96
32) 1,1,1-Trichloroethane	6.51	97	2215397	8.784	ppbv 99
34) 2-Butanone	5.24	43	1441656	8.582	ppbv 96
35) Carbon Tetrachloride	7.02	117	2343077	9.338	ppbv 100
36) Benzene	6.89	78	3260610	9.503	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1617882	9.240	ppbv 98
38) Trichloroethene	7.84	130	1274604	8.417	ppbv 94
39) 1,2-Dichloropropane	7.62	63	1231519	9.422	ppbv 97
40) 1,4-Dioxane	7.84	88	262678	8.258	ppbv # 100
41) Tetrahydrofuran	6.06	42	738601	9.574	ppbv 98
42) Bromodichloromethane	7.79	83	2410126	9.830	ppbv 97
43) Methyl Methacrylate	8.02	69	1152295	9.909	ppbv 98

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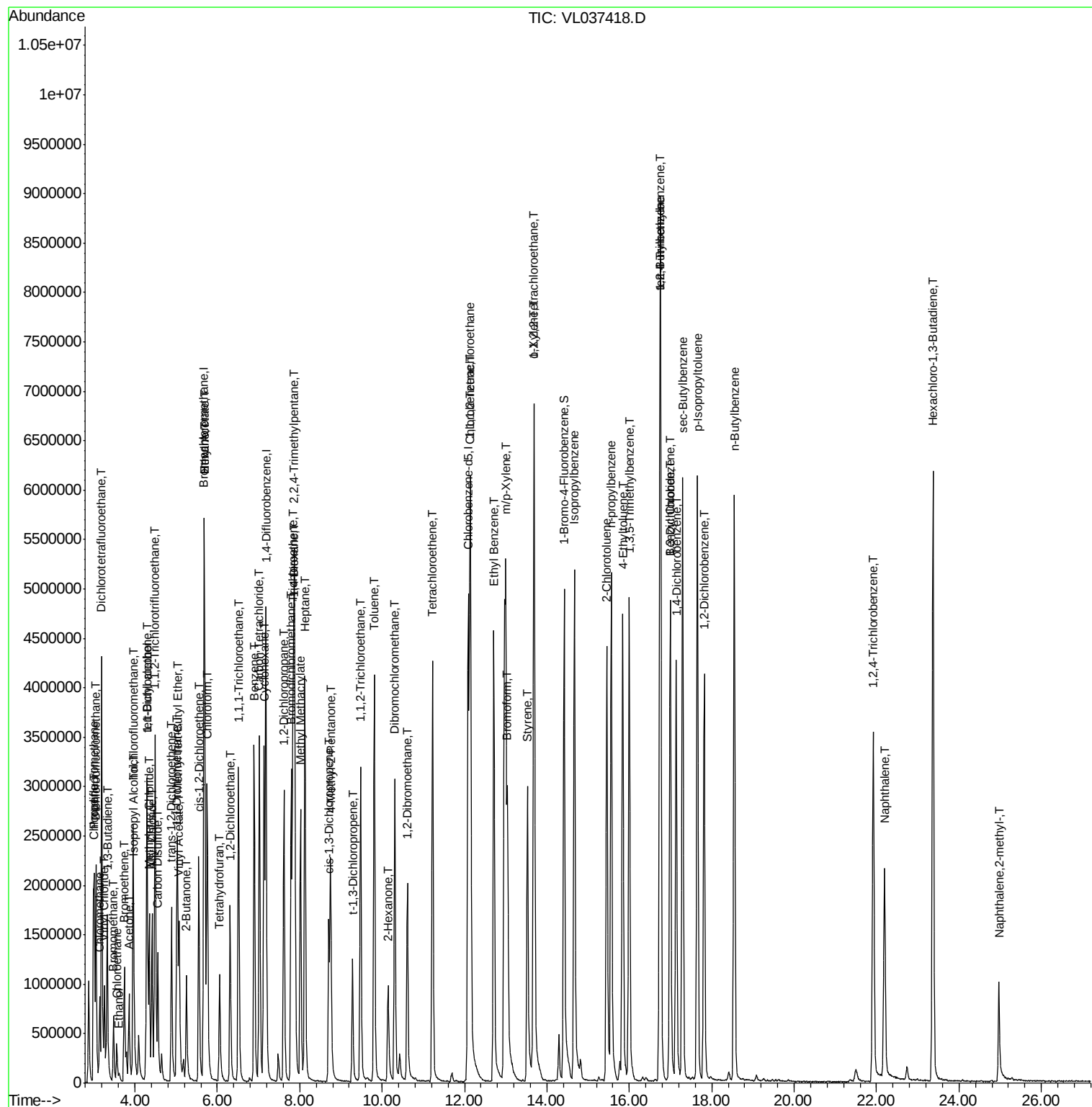
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5324755	9.282	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	785520	9.090	ppbv	92
46) cis-1,3-Dichloropropene	8.70	75	1045502	8.667	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1299996	9.201	ppbv	97
48) Dibromochloromethane	10.31	129	2122218	10.410	ppbv	100
49) Bromoform	13.04	173	1585179	10.262	ppbv	93
50) 4-Methyl-2-Pentanone	8.75	43	2135616	10.105	ppbv	100
51) 2-Hexanone	10.15	43	546183	5.493	ppbv #	35
52) Tetrachloroethene	11.22	164	1199188	8.296	ppbv	97
53) Toluene	9.81	91	3753220	9.581	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1834583	9.540	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1404227	7.829	ppbv #	56
57) Chlorobenzene	12.15	112	2661463	7.289	ppbv	97
58) Ethyl Benzene	12.71	91	4755958	7.782	ppbv	100
59) m/p-Xylene	13.00	91	4245919	7.909	ppbv #	38
60) o-Xylene	13.69	91	3633892	7.286	ppbv	99
61) Styrene	13.53	104	2028221	8.049	ppbv	98
62) Isopropylbenzene	14.67	105	5253939	7.366	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2657027	7.064	ppbv	99
64) n-propylbenzene	15.56	120	1353334	7.540	ppbv	98
65) tert-Butylbenzene	16.74	119	4654749	7.237	ppbv	100
66) Benzyl Chloride	16.99	91	100322	3.409	ppbv #	61
67) sec-Butylbenzene	17.29	105	6386807	7.297	ppbv	100
69) p-Isopropyltoluene	17.65	119	5404045	7.523	ppbv	100
70) n-Butylbenzene	18.55	91	5214788	7.811	ppbv	99
71) 2-Chlorotoluene	15.45	91	3805509	7.543	ppbv	99
72) 4-Ethyltoluene	15.84	105	4453815	7.693	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	3956495	7.229	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4209383	7.512	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	2485774	7.249	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2411297	7.092	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	2386687	7.233	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1825467	6.830	ppbv	100
79) Naphthalene	22.20	128	3092407	10.154	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	788562	12.259	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	1849918	8.940	ppbv	99

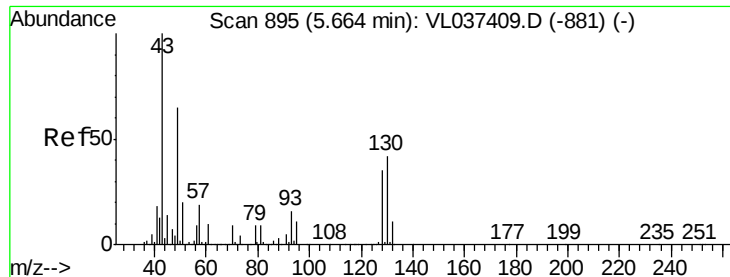
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :
MSVOA_L
ClientSampled :

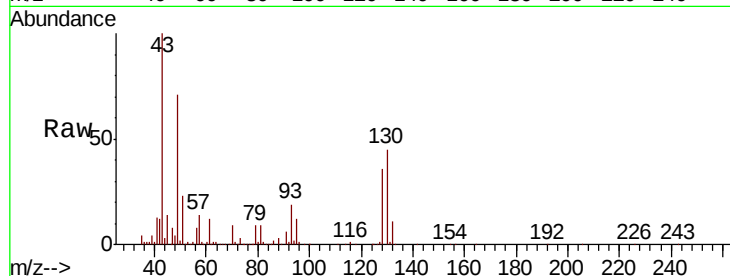
Tot Ion: 49 Resp: 1360802

Ion Ratio Lower Upper

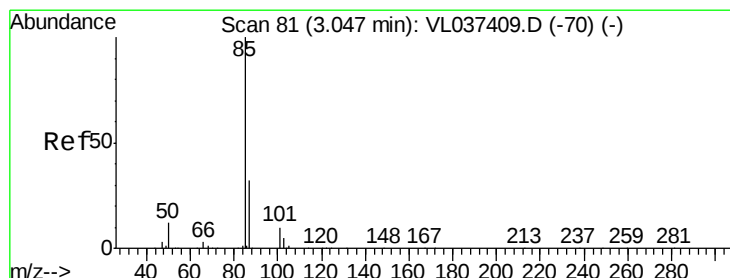
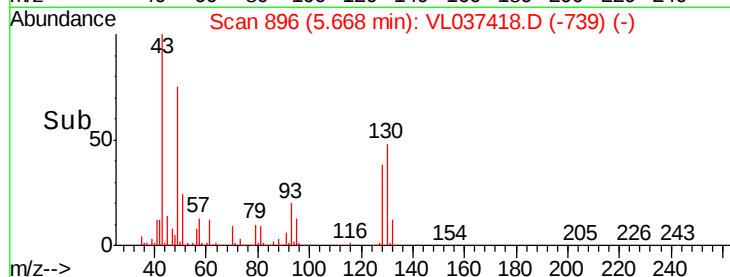
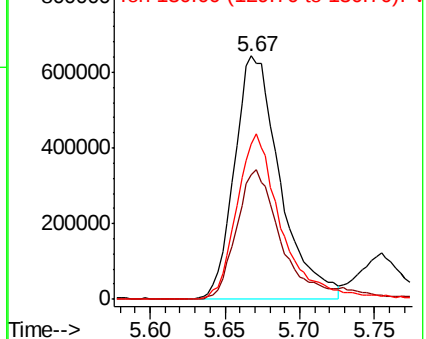
49 100

128 56.2 27.9 83.6

130 67.9 34.6 103.8



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: 9.139 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037418.D

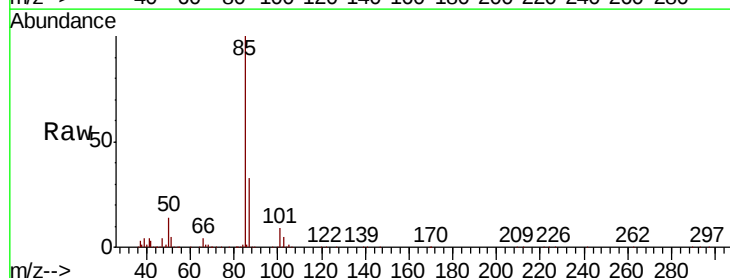
Acq: 12 Aug 2021 17:18

Tgt Ion: 85 Resp: 1900027

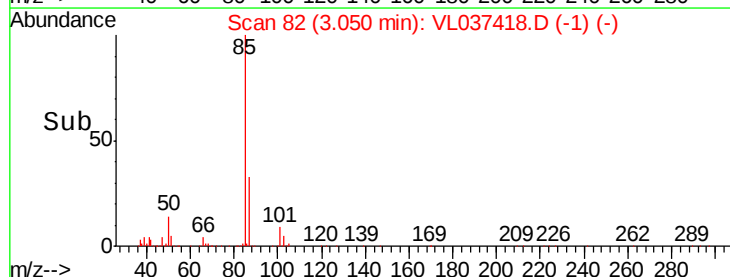
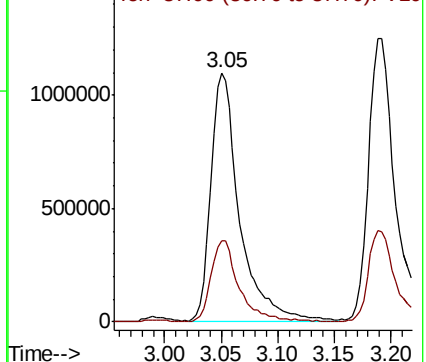
Ion Ratio Lower Upper

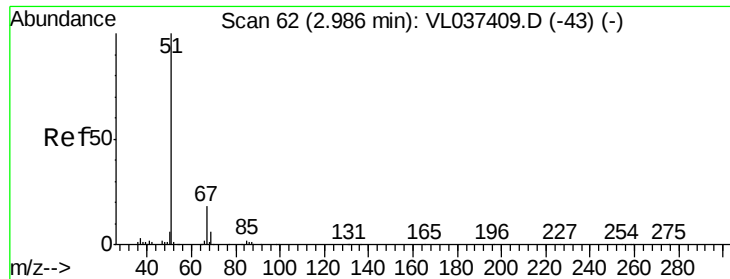
85 100

87 32.5 25.7 38.5



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





#3

Chlorodifluoromethane

Concen: 8.841 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

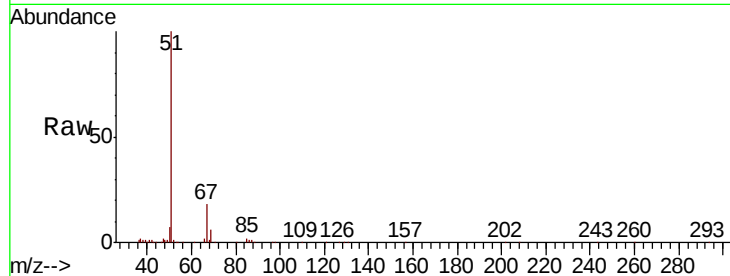
ClientSampleId :

Tot Ion: 51 Resp: 2362517

Ion Ratio Lower Upper

51 100

67 18.0 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1500000

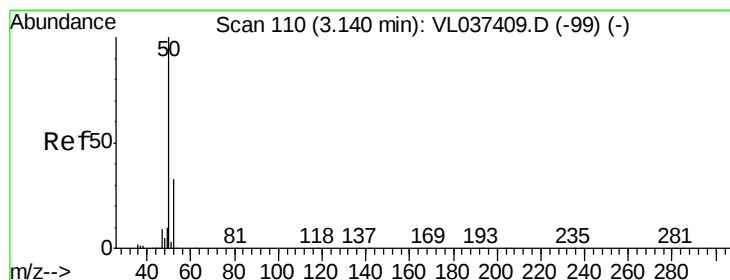
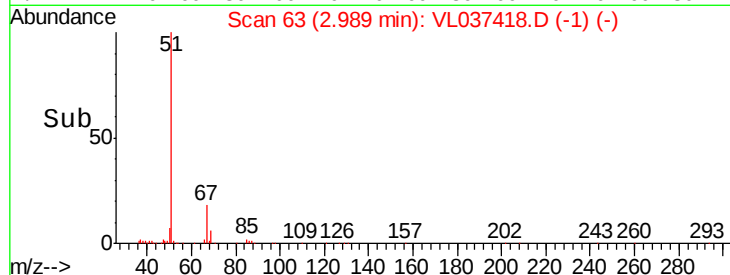
2.99

1000000

500000

0

Time-->



#4

Chloromethane

Concen: 9.048 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL037418.D

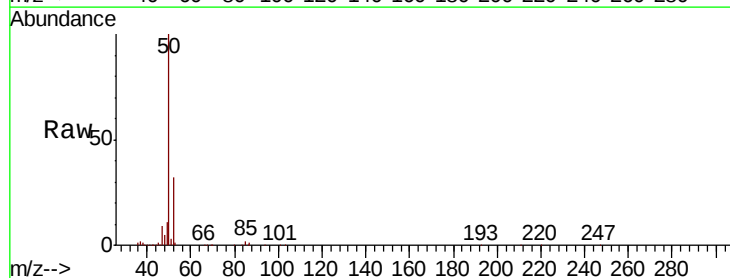
Acq: 12 Aug 2021 17:18

Tgt Ion: 50 Resp: 869119

Ion Ratio Lower Upper

50 100

52 32.1 26.2 39.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

600000

3.14

500000

400000

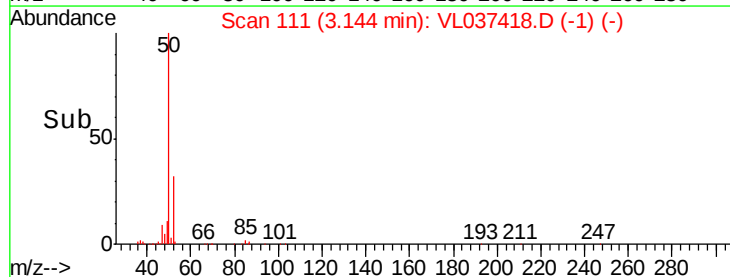
300000

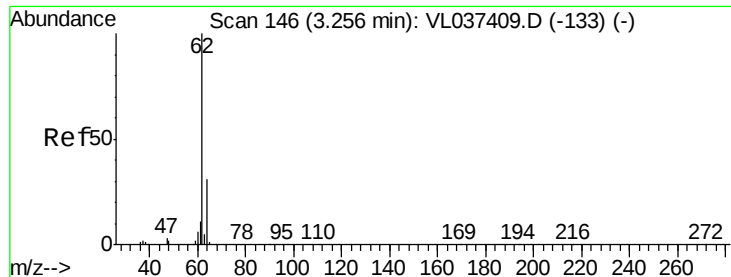
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 8.192 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

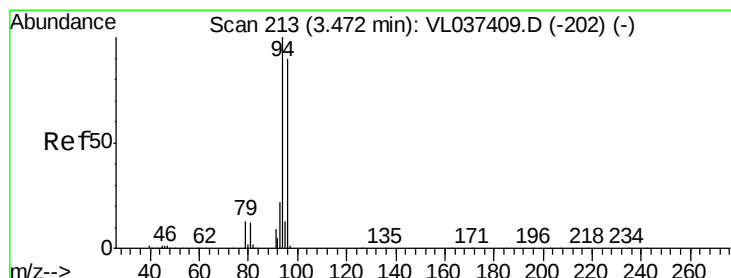
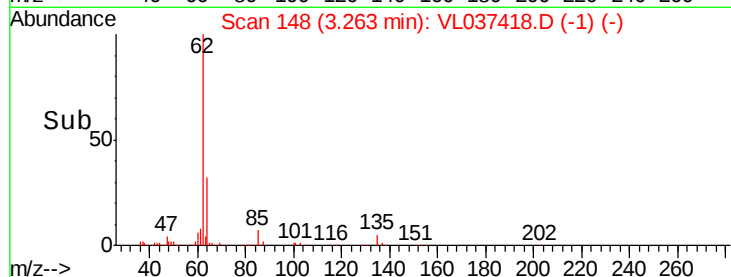
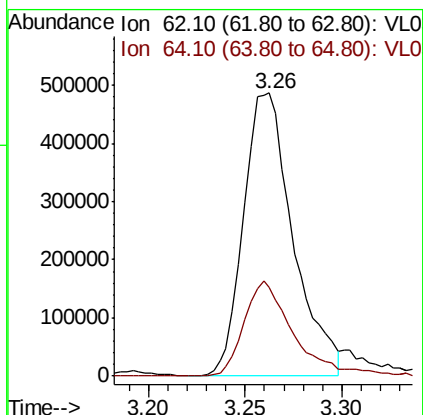
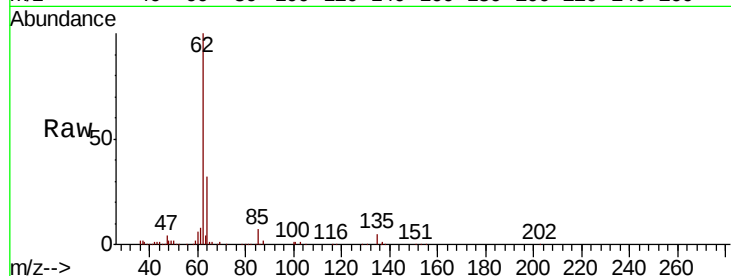
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 62 Resp: 867034

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.6



#6

Bromomethane

Concen: 7.991 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037418.D

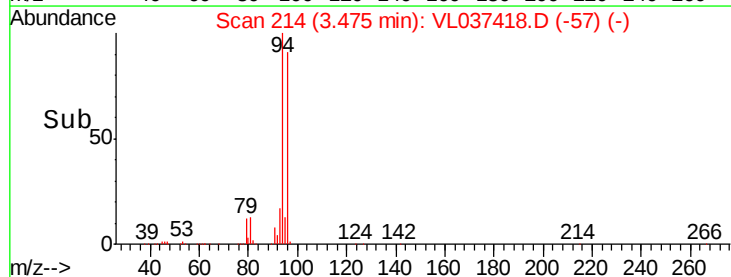
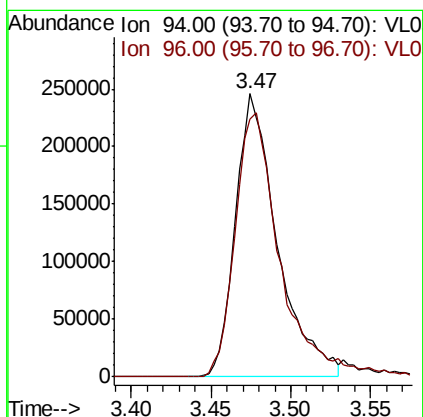
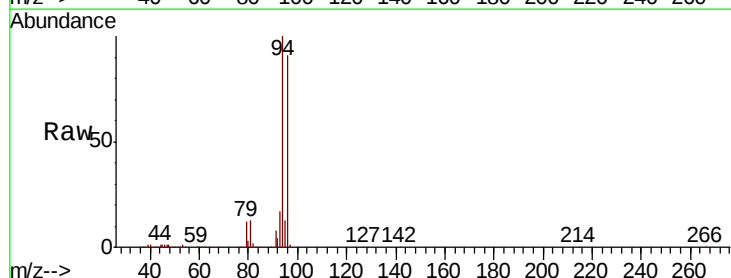
Acq: 12 Aug 2021 17:18

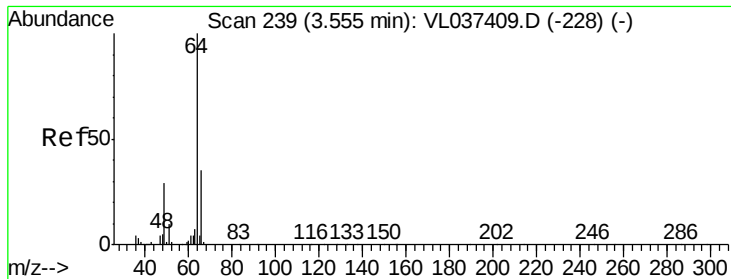
Tgt Ion: 94 Resp: 438614

Ion Ratio Lower Upper

94 100

96 91.1 72.2 108.4





#7

Chloroethane

Concen: 8.860 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

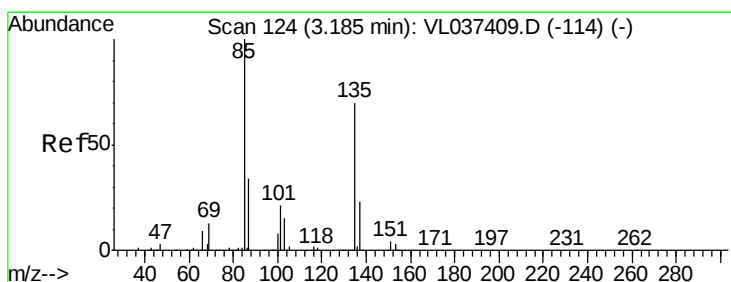
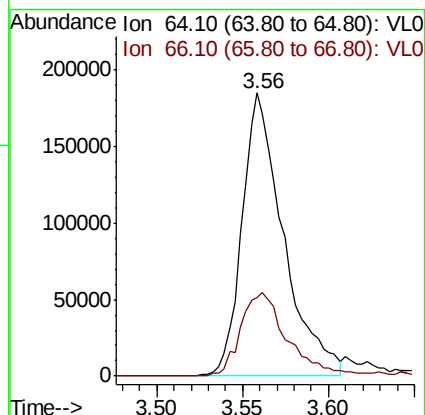
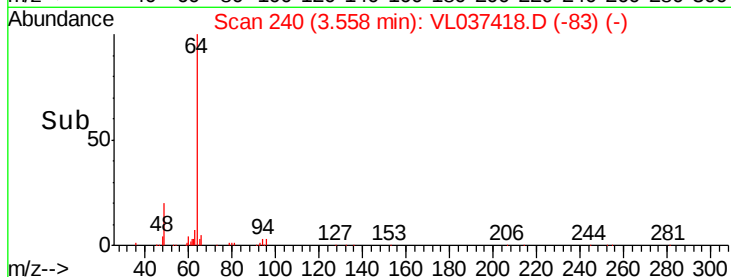
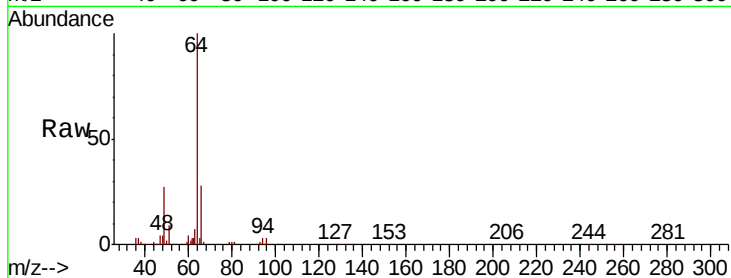
ClientSampleId :

Tot Ion: 64 Resp: 309603

Ion Ratio Lower Upper

64 100

66 27.9 27.8 41.8



#8

Dichlorotetrafluoroethane

Concen: 9.132 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL037418.D

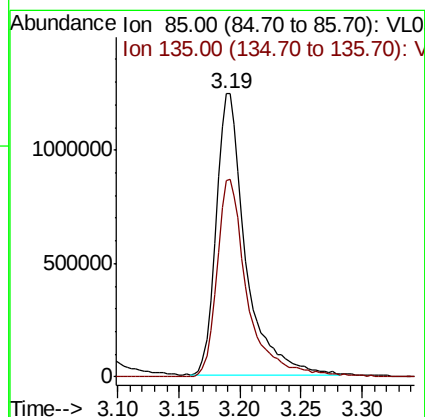
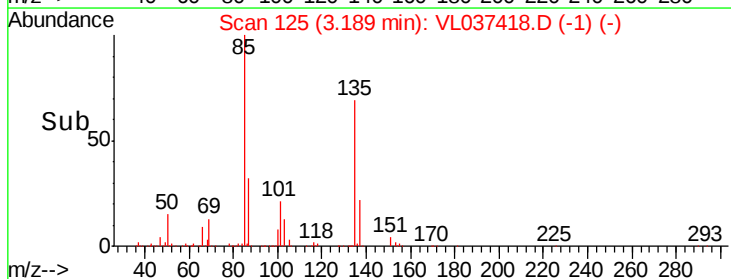
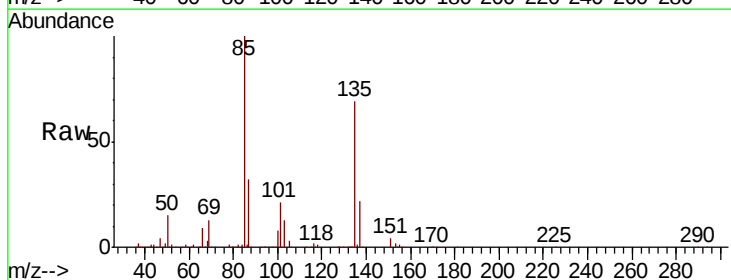
Acq: 12 Aug 2021 17:18

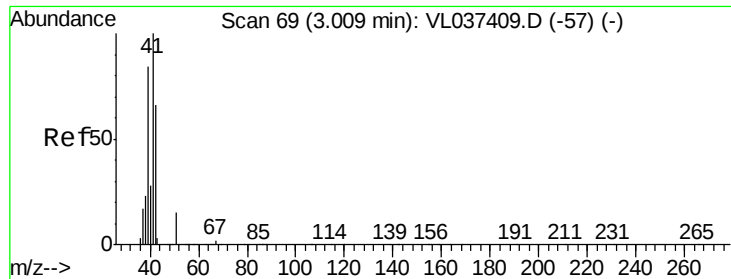
Tgt Ion: 85 Resp: 2118895

Ion Ratio Lower Upper

85 100

135 72.9 58.6 88.0





#9

Propene

Concen: 9.133 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

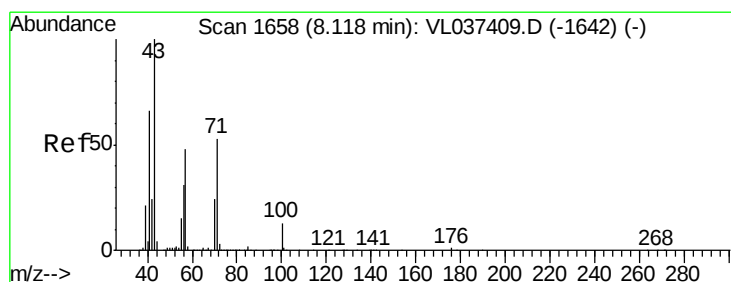
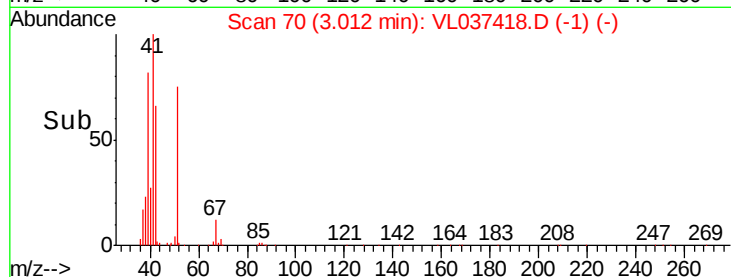
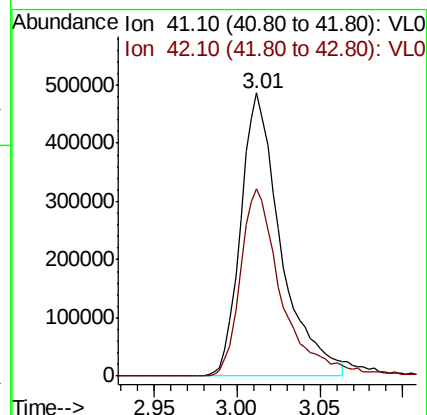
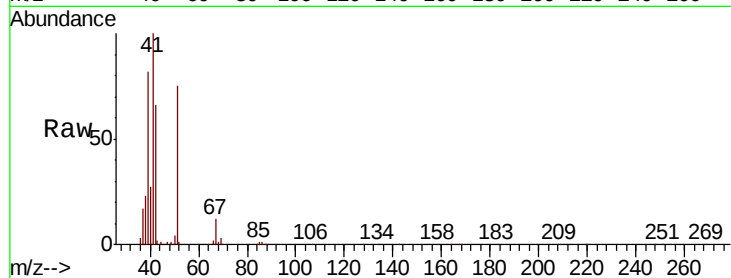
ClientSampleId :

Tot Ion: 41 Resp: 819576

Ion Ratio Lower Upper

41 100

42 69.0 53.8 80.8



#10

Heptane

Concen: 9.439 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VL037418.D

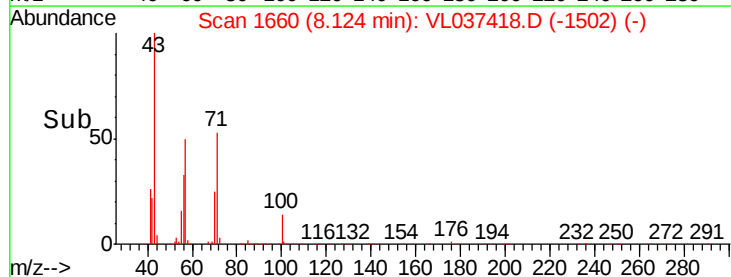
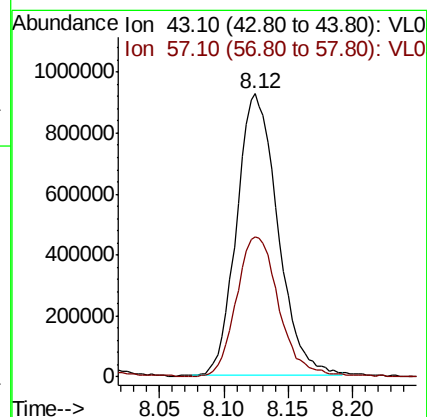
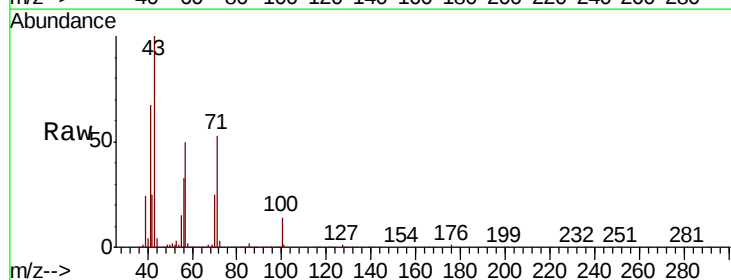
Acq: 12 Aug 2021 17:18

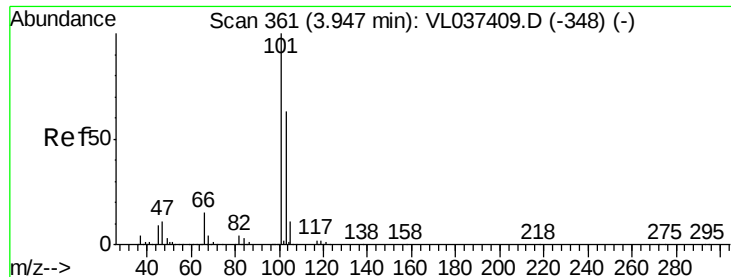
Tgt Ion: 43 Resp: 2059725

Ion Ratio Lower Upper

43 100

57 50.9 40.3 60.5

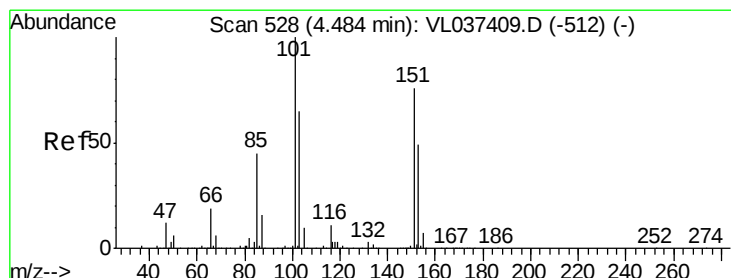
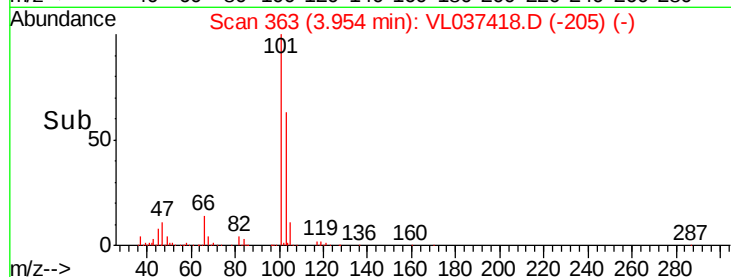
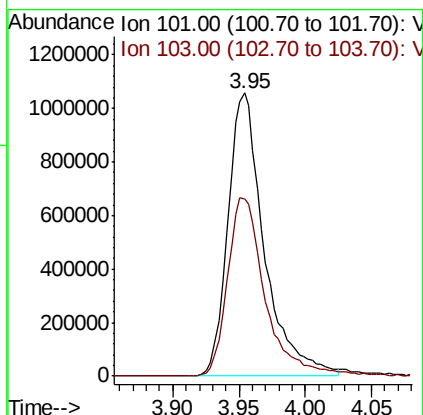
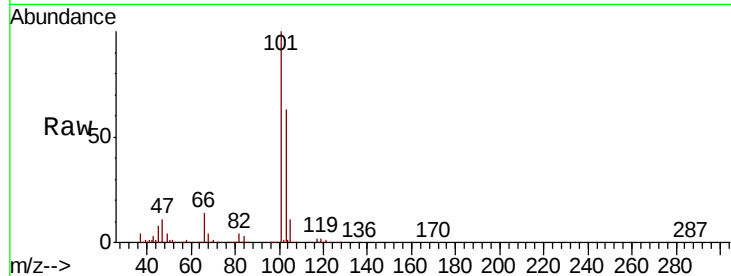




#11
 Trichlorofluoromethane
 Concen: 8.932 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

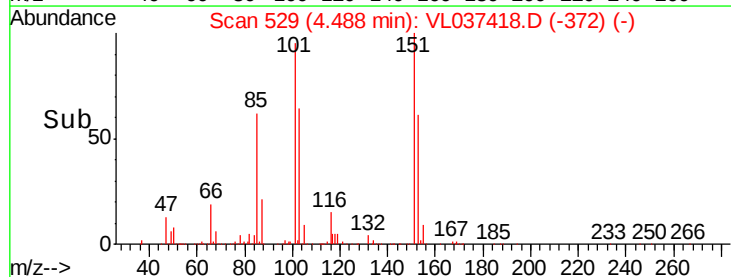
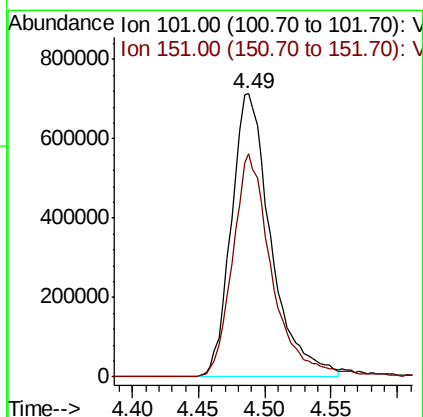
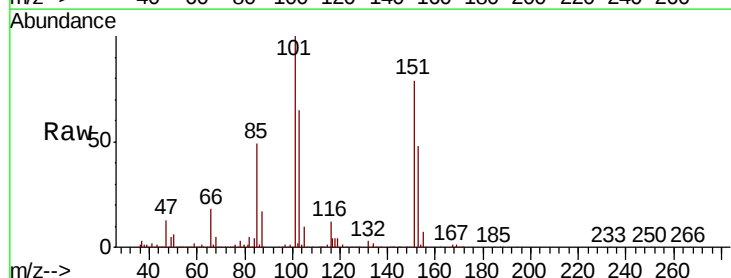
Instrument :
 MSVOA_L
 ClientSampleId :

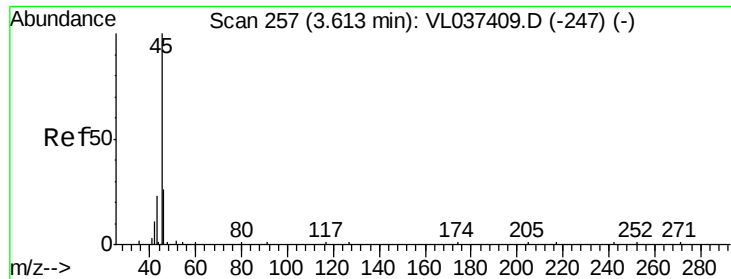
Tot Ion:101 Resp: 2009392
 Ion Ratio Lower Upper
 101 100
 103 62.6 50.2 75.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.422 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Tgt Ion:101 Resp: 1484783
 Ion Ratio Lower Upper
 101 100
 151 78.7 61.2 91.8





#13

Ethanol

Concen: 8.603 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.00 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

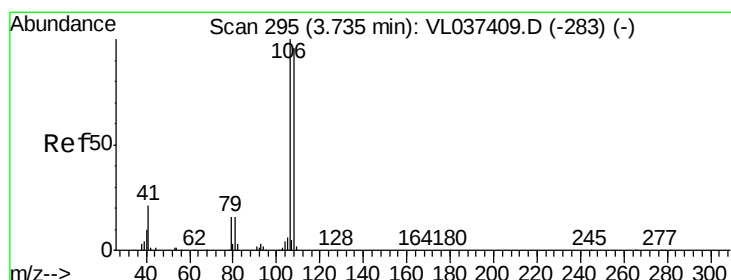
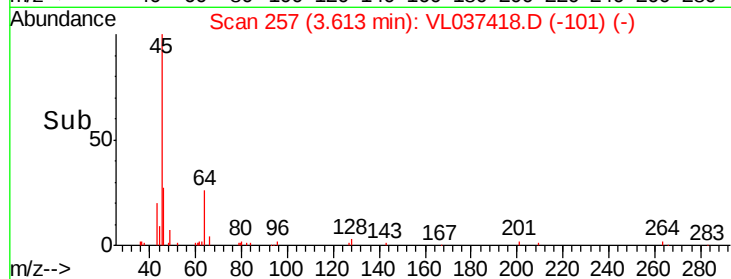
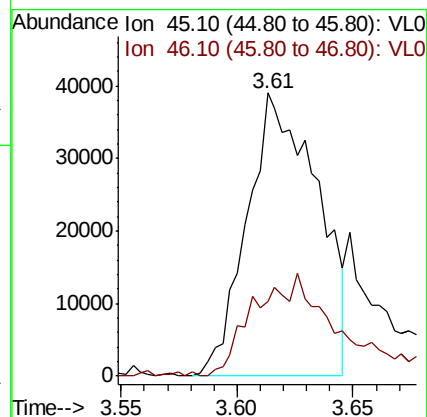
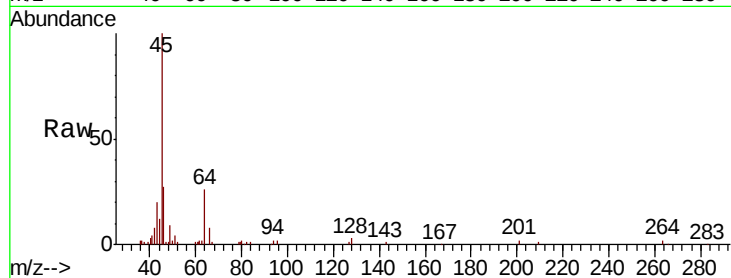
ClientSampleId :

Tot Ion: 45 Resp: 82384

Ion Ratio Lower Upper

45 100

46 45.1 18.0 72.2



#14

Bromoethene

Concen: 9.690 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

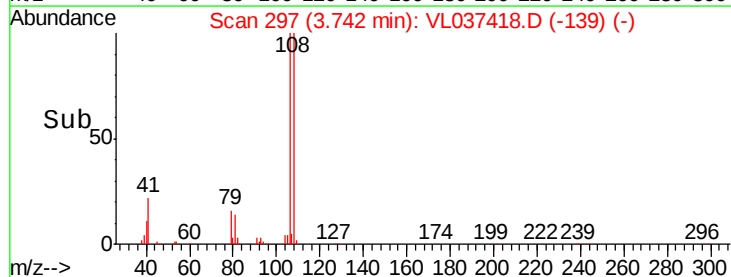
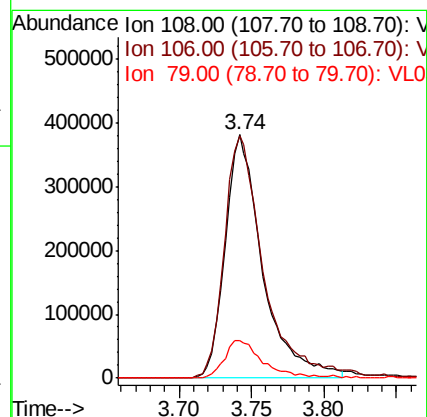
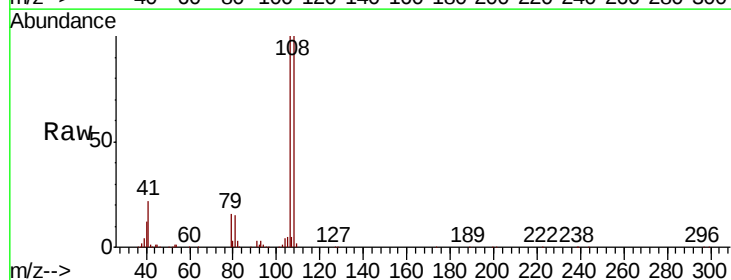
Tgt Ion: 108 Resp: 679259

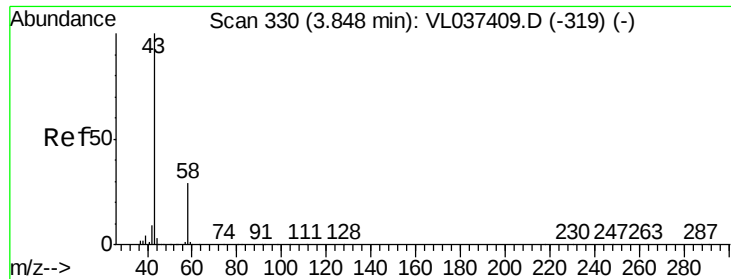
Ion Ratio Lower Upper

108 100

106 107.8 87.5 131.3

79 16.6 13.5 20.3

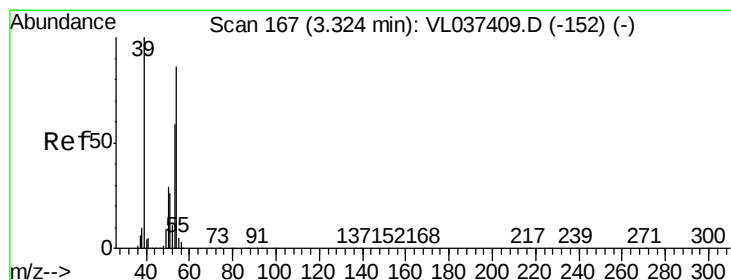
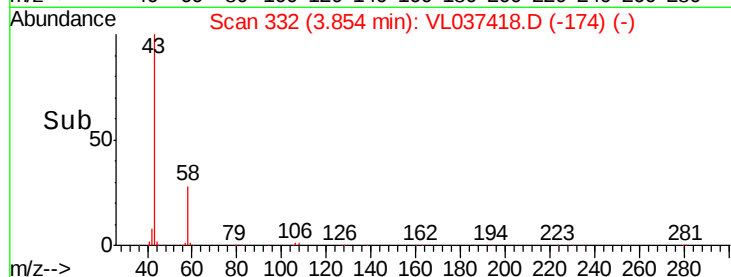
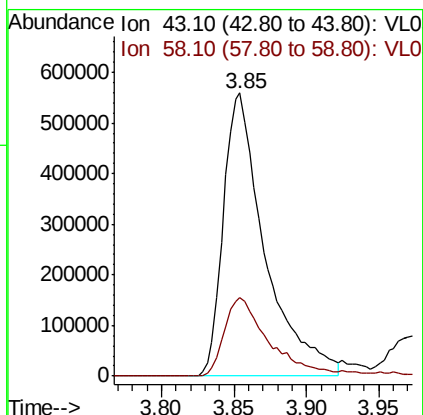
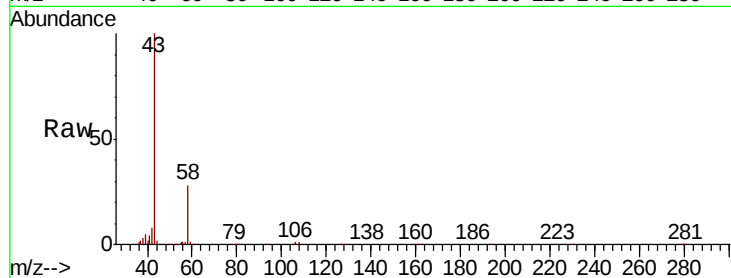




#15
Acetone
Concen: 7.677 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

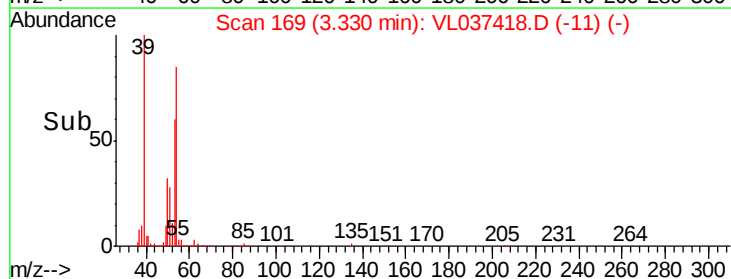
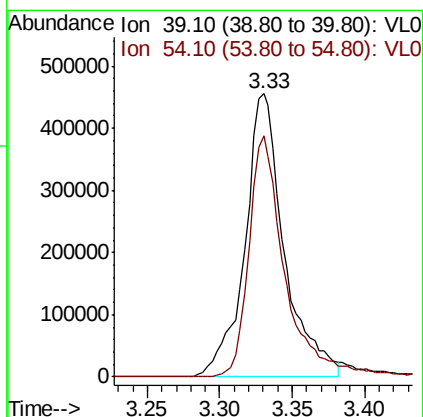
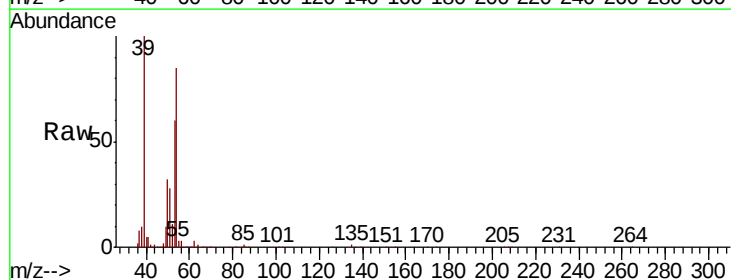
Instrument :
MSVOA_L
ClientSampleId :

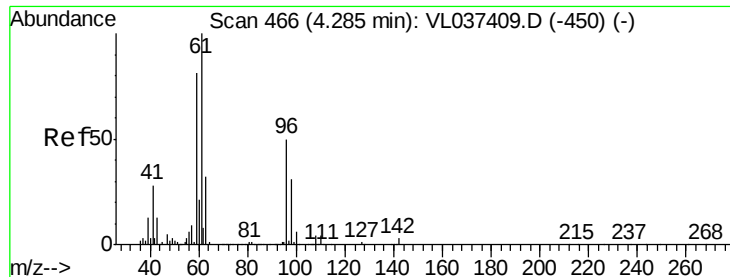
Tot Ion: 43 Resp: 1107886
Ion Ratio Lower Upper
43 100
58 31.5 24.4 36.6



#16
1,3-Butadiene
Concen: 8.882 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion: 39 Resp: 860326
Ion Ratio Lower Upper
39 100
54 79.3 61.4 92.0



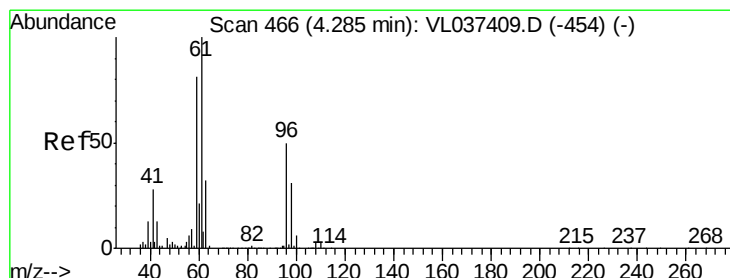
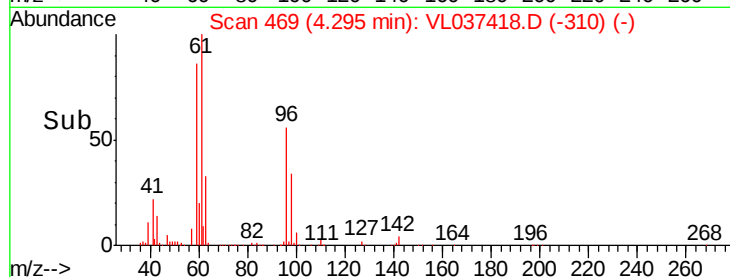
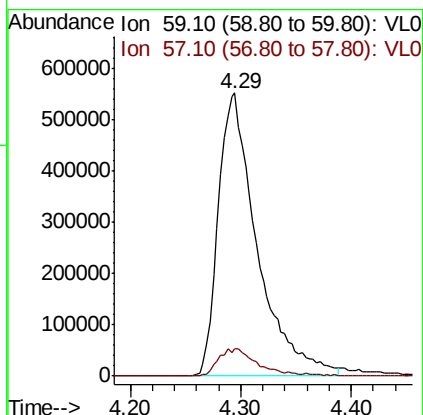
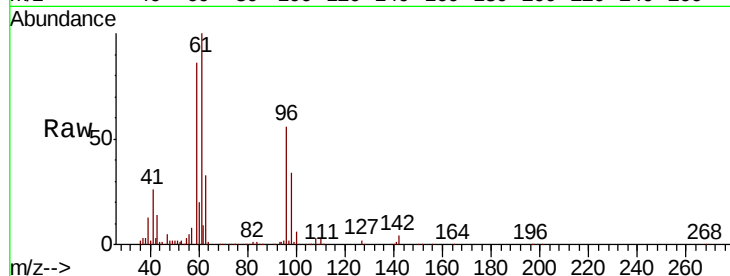


#17

tert-Butyl alcohol
Concen: 9.815 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Instrument :
MSVOA_L
ClientSampleId :

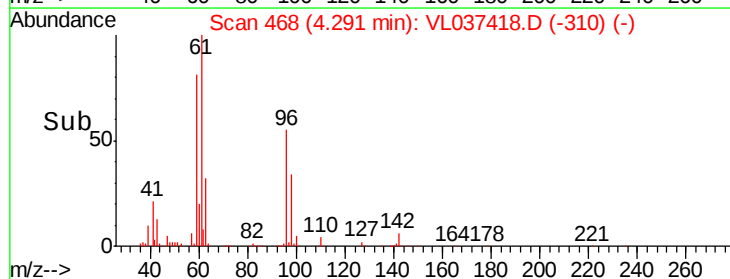
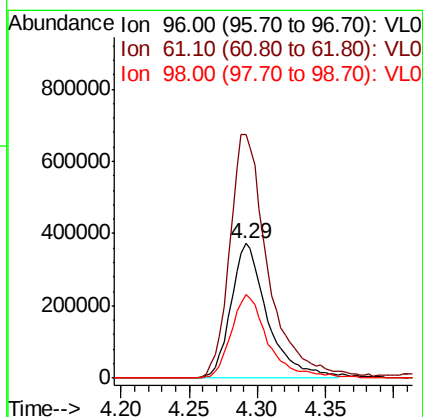
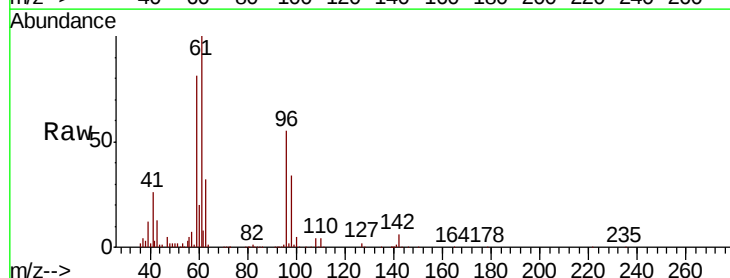
Tot Ion: 59 Resp: 1352021
Ion Ratio Lower Upper
59 100
57 10.2 8.5 12.7

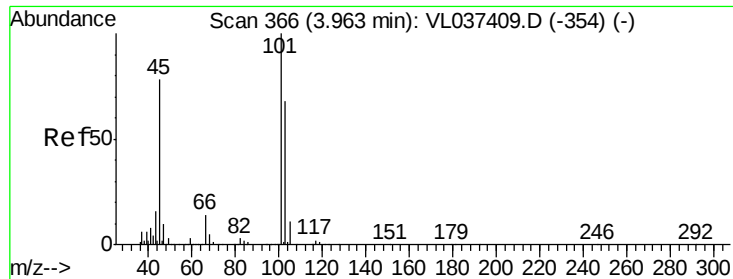


#18

1,1-Dichloroethene
Concen: 9.455 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion: 96 Resp: 691802
Ion Ratio Lower Upper
96 100
61 180.8 159.0 238.4
98 61.7 49.4 74.2





#19

Isopropyl Alcohol

Concen: 9.018 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

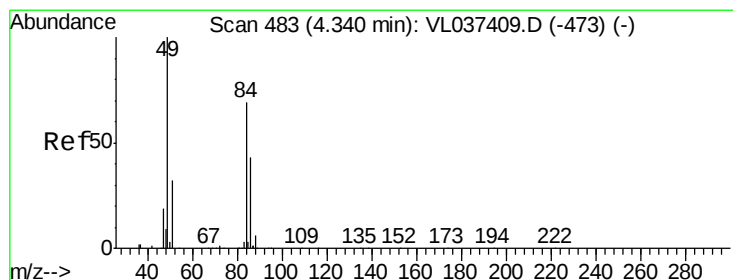
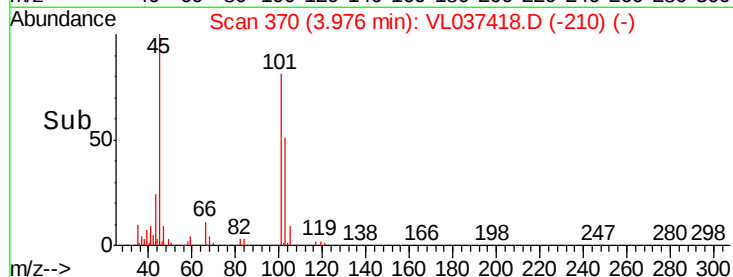
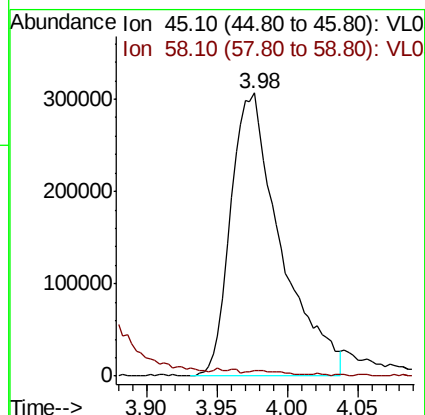
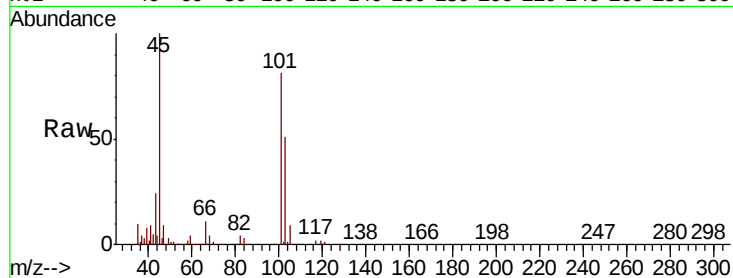
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 45 Resp: 757412

Ion Ratio Lower Upper

45 100

58 46.1 2.2 3.4#



#20

Methylene Chloride

Concen: 8.096 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Tgt Ion: 84 Resp: 617813

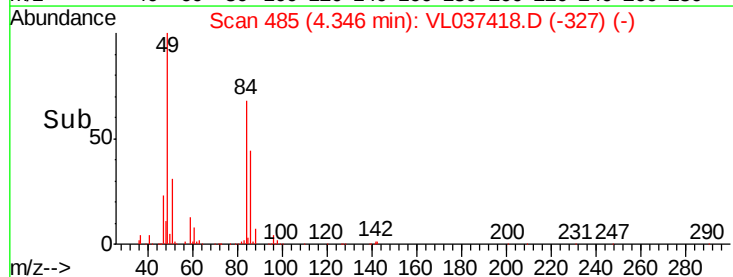
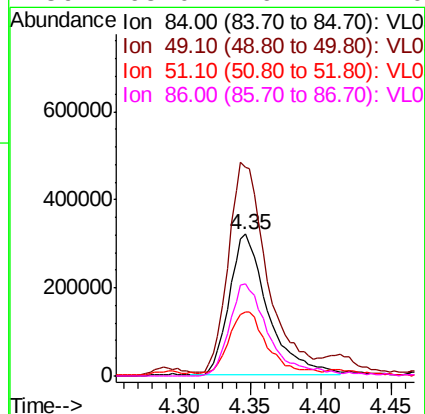
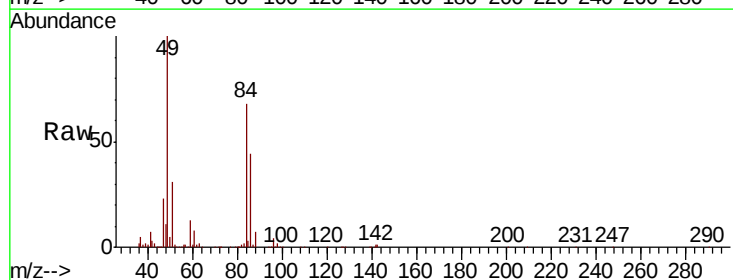
Ion Ratio Lower Upper

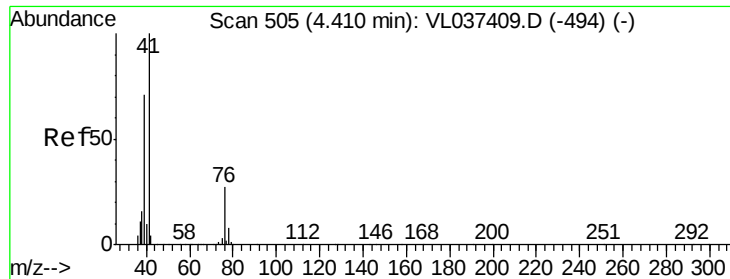
84 100

49 145.5 116.0 174.0

51 42.8 37.1 55.7

86 65.0 49.4 74.0

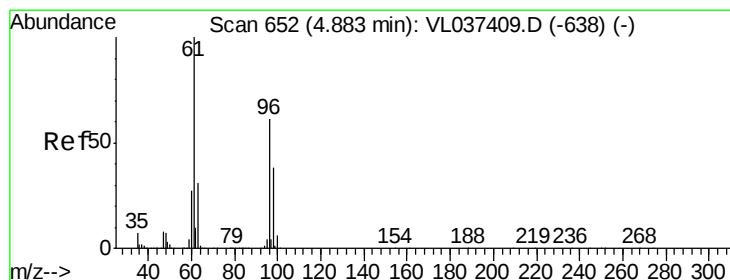
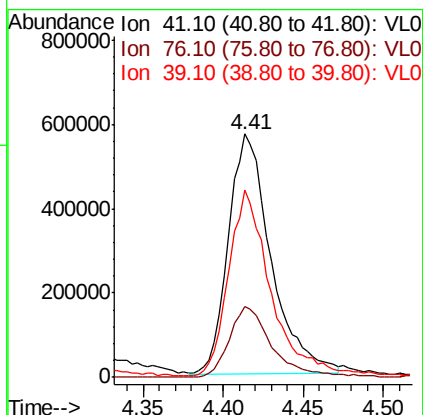
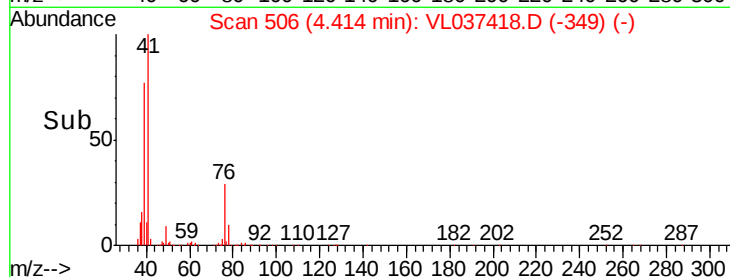
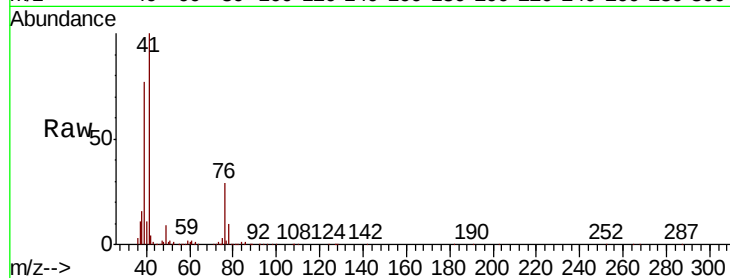




#21
Allvl Chloride
Concen: 9.159 ppbv
RT: 4.41 min Scan# 506
Delta R.T. 0.00 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

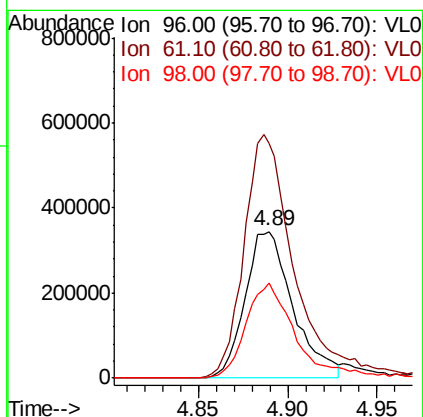
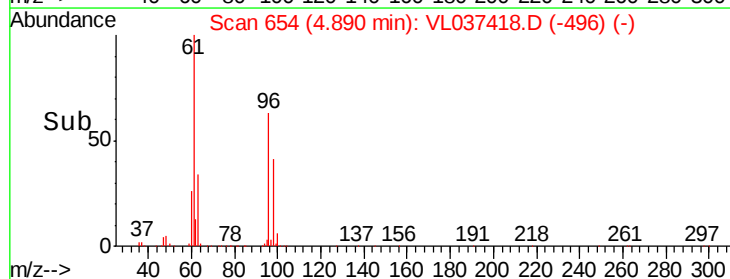
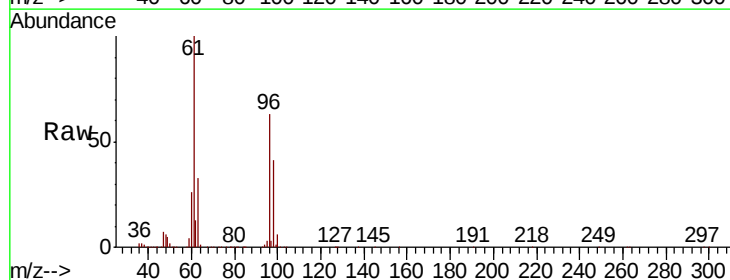
Instrument :
MSVOA_L
ClientSampleId :

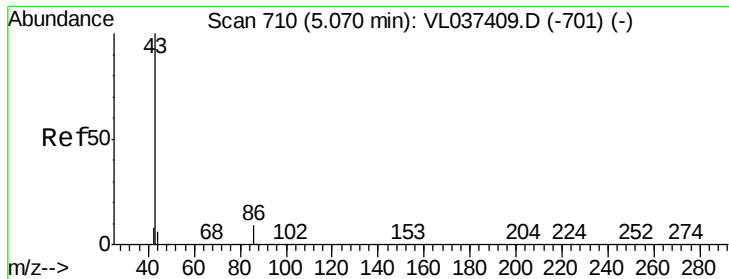
Tot Ion: 41 Resp: 1035736
Ion Ratio Lower Upper
41 100
76 30.1 23.7 35.5
39 77.6 62.3 93.5



#22
trans-1,2-Dichloroethene
Concen: 9.431 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion: 96 Resp: 647299
Ion Ratio Lower Upper
96 100
61 159.3 131.0 196.4
98 65.1 50.2 75.4





#23

Vinyl Acetate

Concen: 9.093 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.00 min

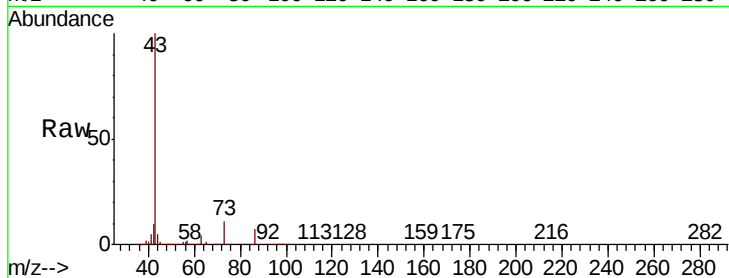
Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

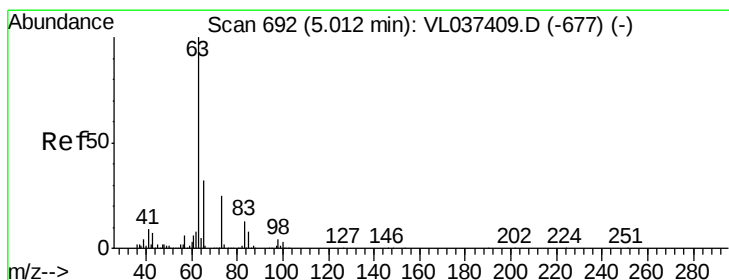
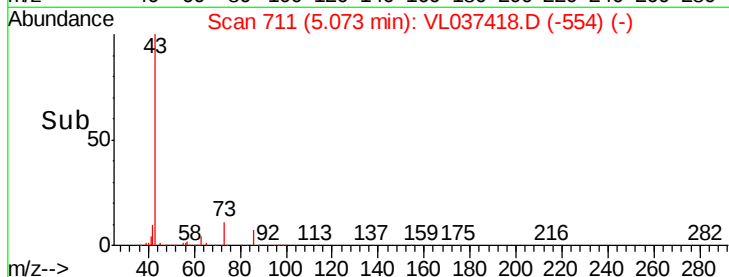
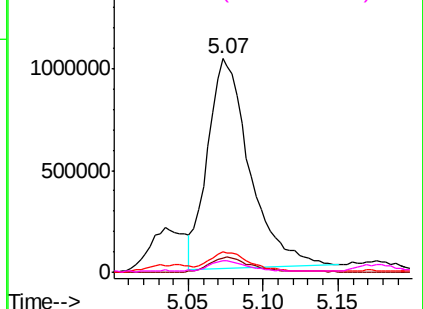
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2013649

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.8	8.8
42	9.4	7.7	11.5
44	4.8	4.0	6.0



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: 8.863 ppbv

RT: 5.01 min Scan# 692

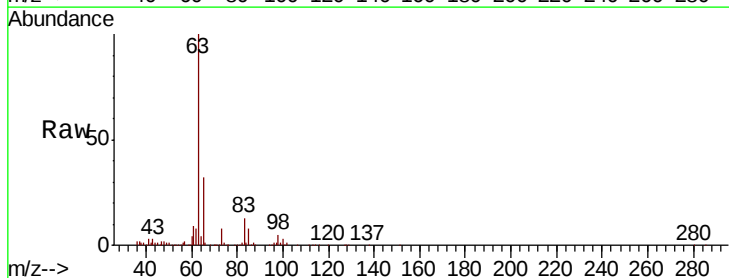
Delta R.T. 0.00 min

Lab File: VL037418.D

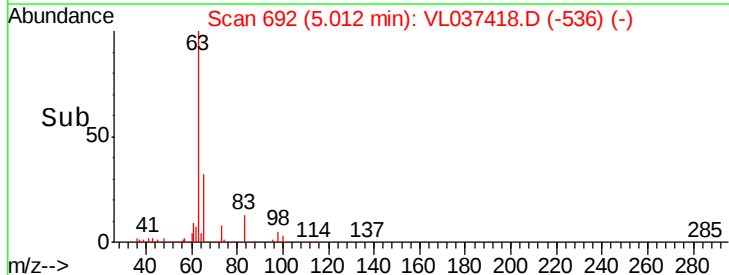
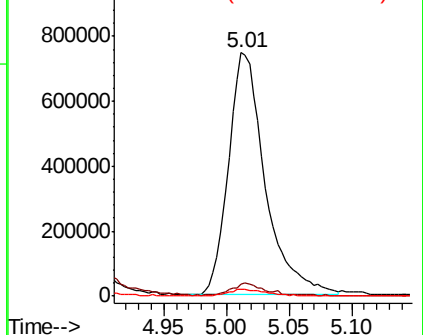
Acq: 12 Aug 2021 17:18

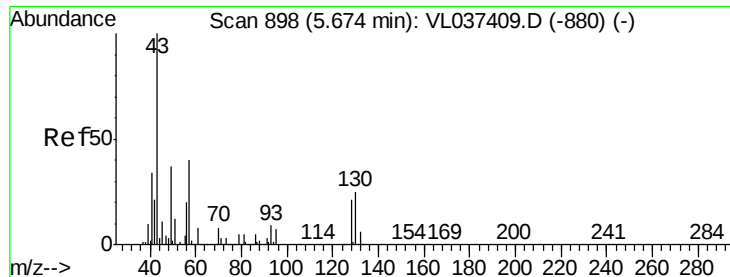
Tgt Ion: 63 Resp: 1524361

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.1	6.3
100	2.9	1.6	4.7



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0

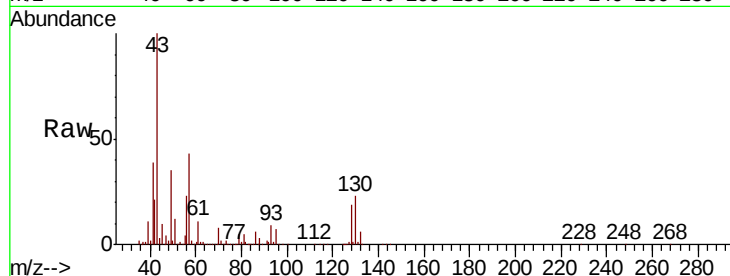




#25
Ethyl Acetate
Concen: 9.180 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	3157229
Ion	Ratio	Lower	Upper
43	100		
45	10.2	7.9	11.9
61	10.0	7.7	11.5
70	7.3	5.8	8.6



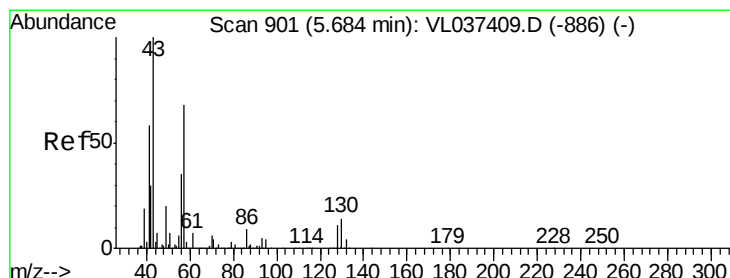
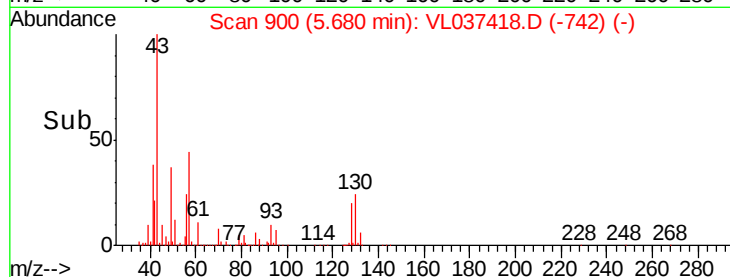
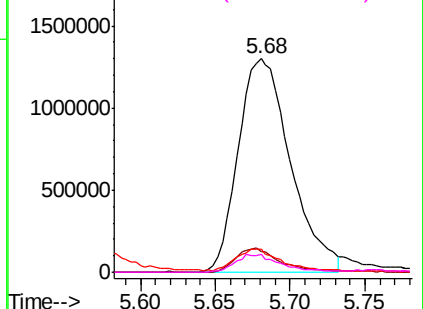
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

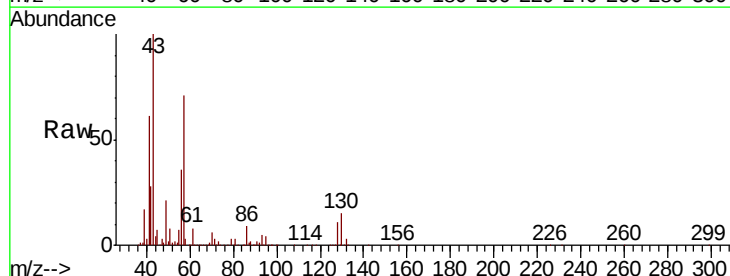
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.911 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion:	57	Resp:	1581653
Ion	Ratio	Lower	Upper
57	100		
41	90.7	72.5	108.7
43	210.5	169.3	253.9
56	53.3	42.3	63.5



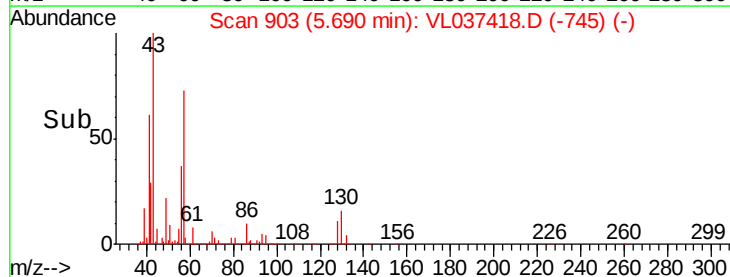
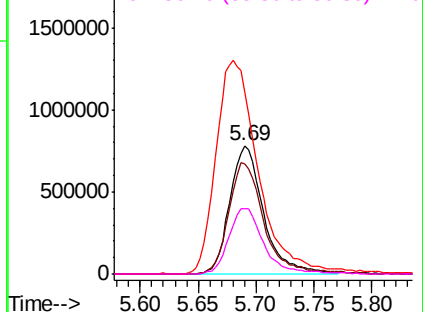
Abundance

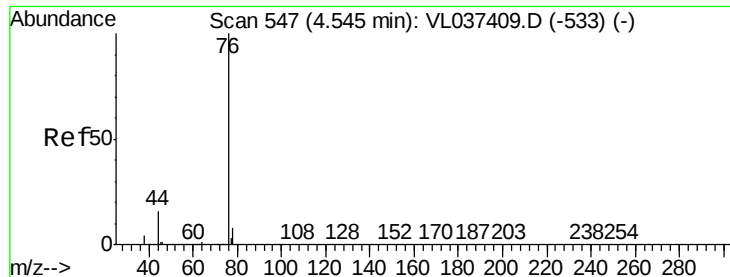
Ion 57.10 (56.80 to 57.80): VL0

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: 10.953 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

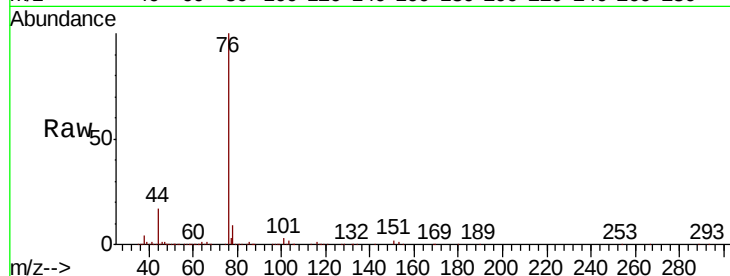
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 76 Resp: 1639094

Ion	Ratio	Lower	Upper
76	100		
44	17.6	14.4	21.6
78	9.6	8.0	12.0

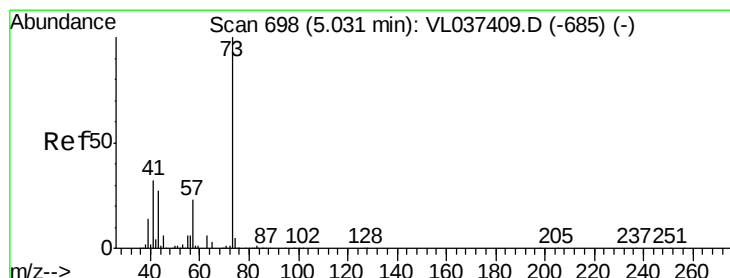
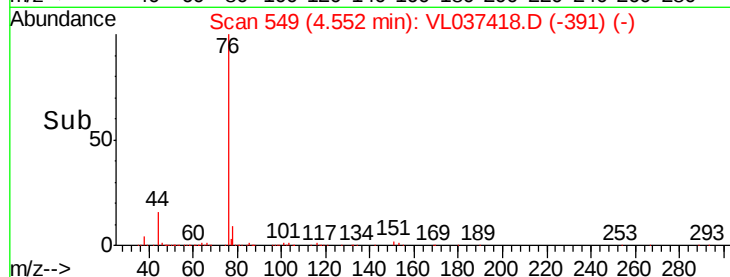
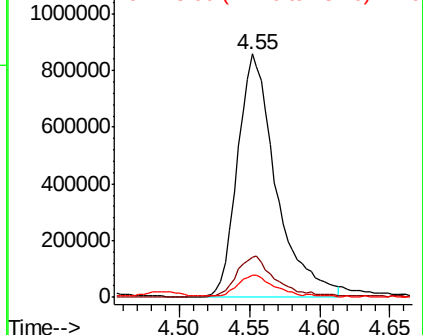


Abundance

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



#28

Methyl tert-Butyl Ether

Concen: 9.262 ppbv

RT: 5.04 min Scan# 700

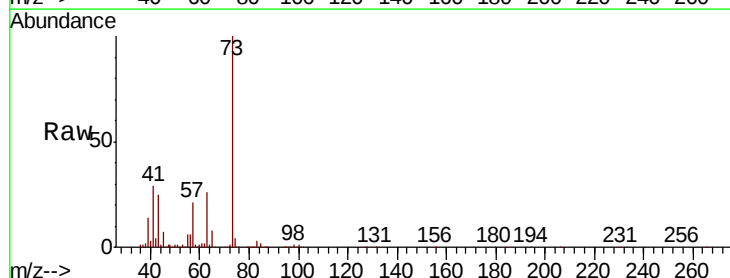
Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Tgt Ion: 73 Resp: 1759244

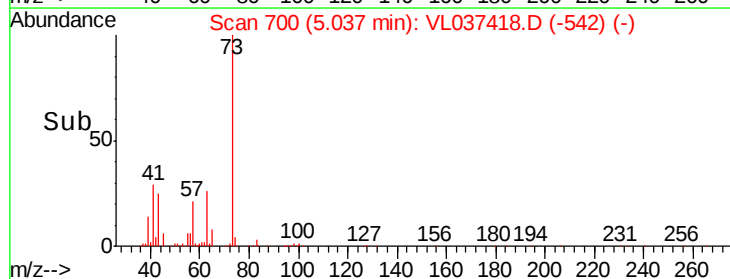
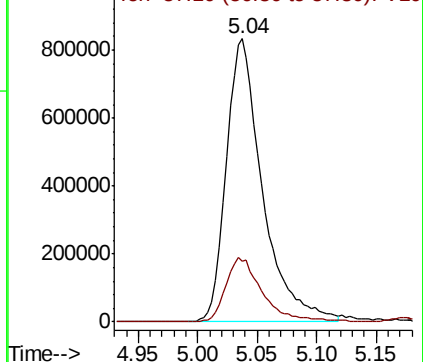
Ion	Ratio	Lower	Upper
73	100		
57	23.1	19.0	28.4

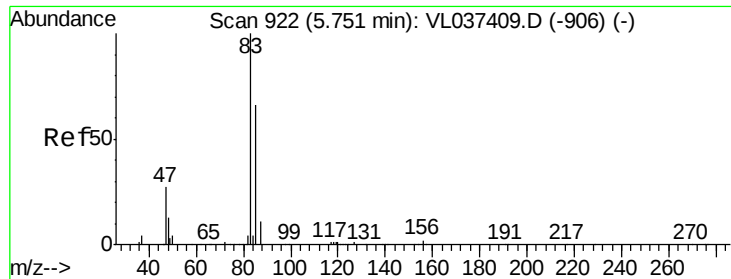


Abundance

Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

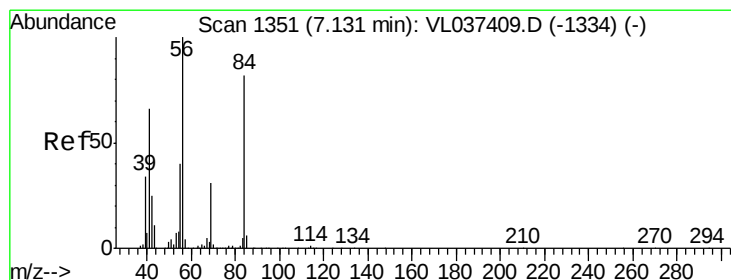
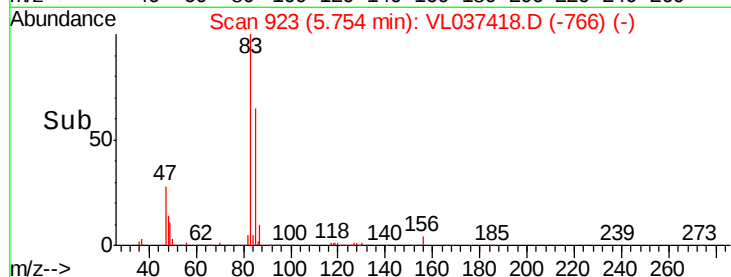
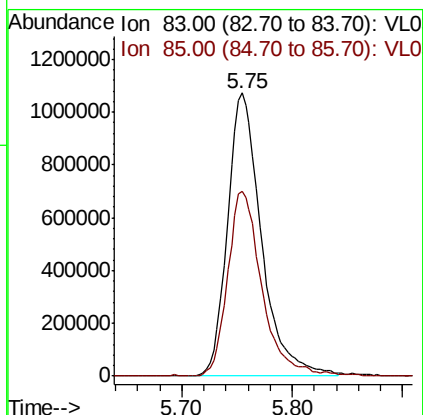
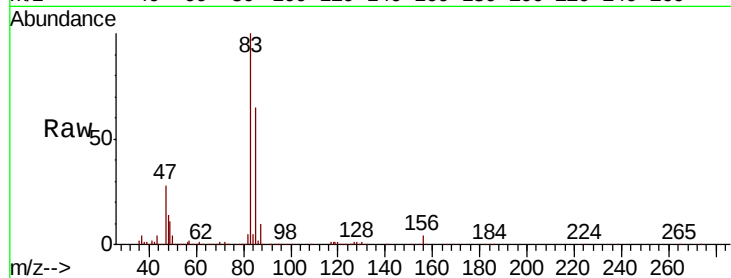




#29
Chloroform
Concen: 9.156 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.00 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

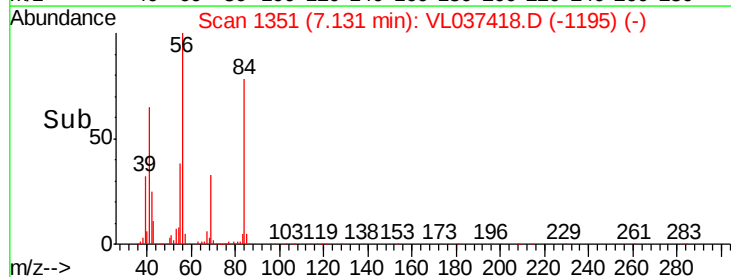
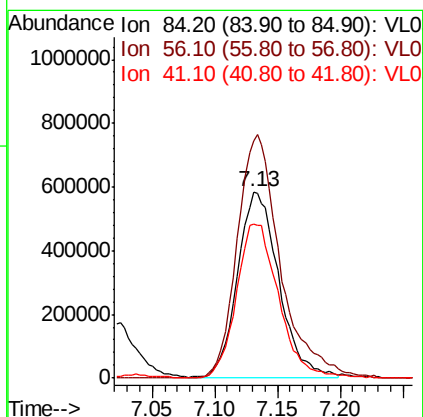
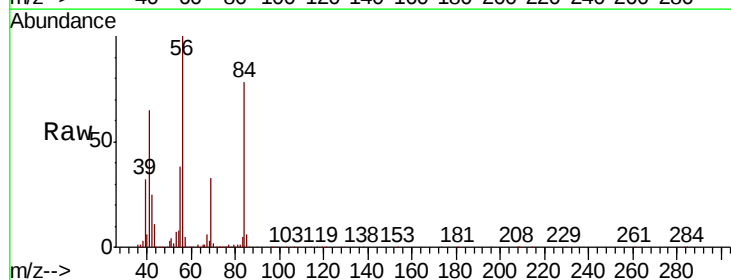
Instrument :
MSVOA_L
ClientSampleId :

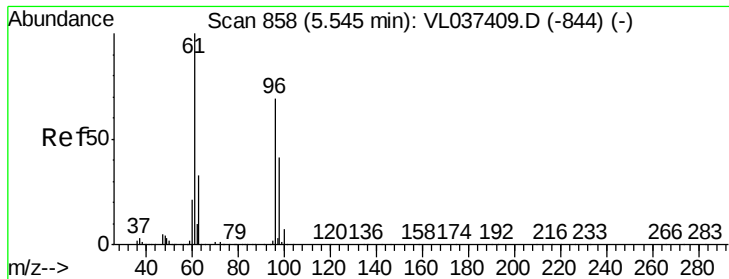
Tot Ion: 83 Resp: 2288121
Ion Ratio Lower Upper
83 100
85 65.2 52.4 78.6



#30
Cyclohexane
Concen: 9.194 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion: 84 Resp: 1343943
Ion Ratio Lower Upper
84 100
56 137.5 109.6 164.4
41 84.4 66.6 99.8



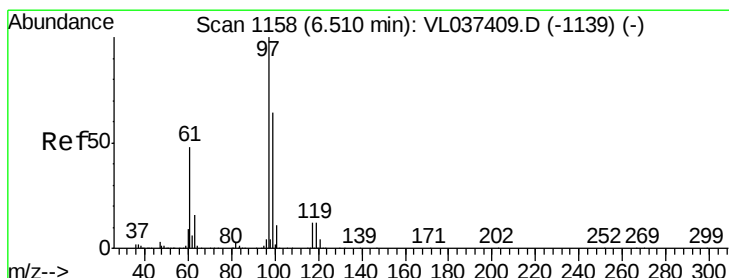
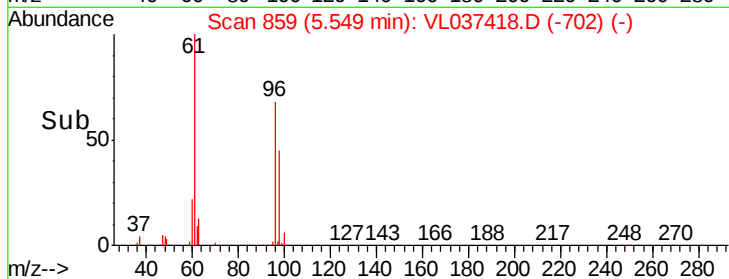
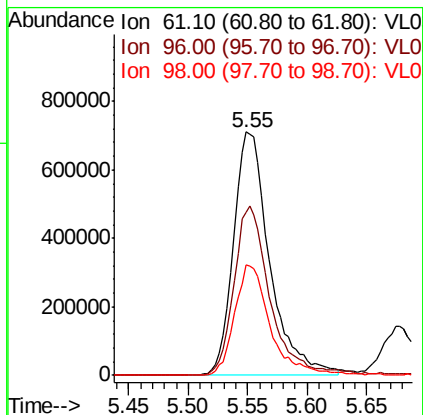
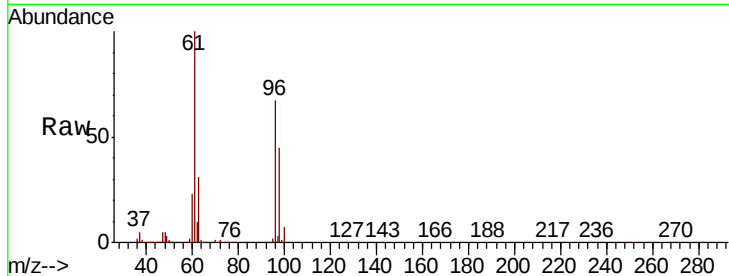


#31

cis-1,2-Dichloroethene
Concen: 9.783 ppbv
RT: 5.55 min Scan# 859
Delta R.T. 0.00 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Instrument :
MSVOA_L
ClientSampleId :

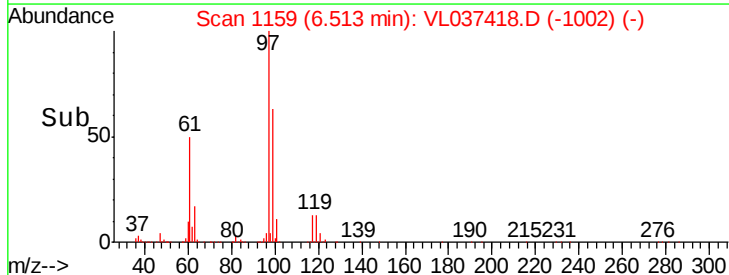
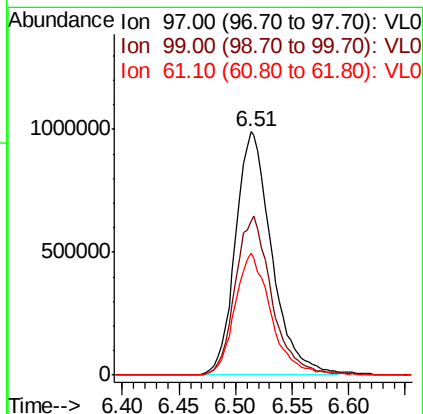
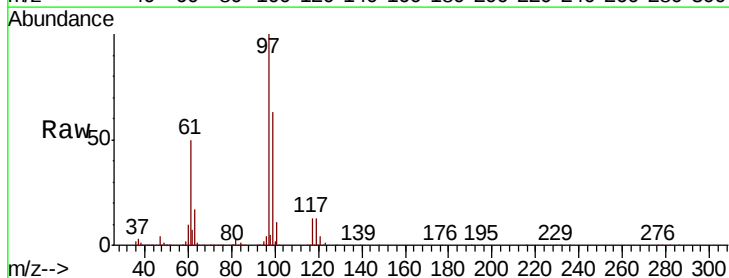
Tot Ion: 61 Resp: 1500884
Ion Ratio Lower Upper
61 100
96 67.1 55.5 83.3
98 45.3 33.1 49.7

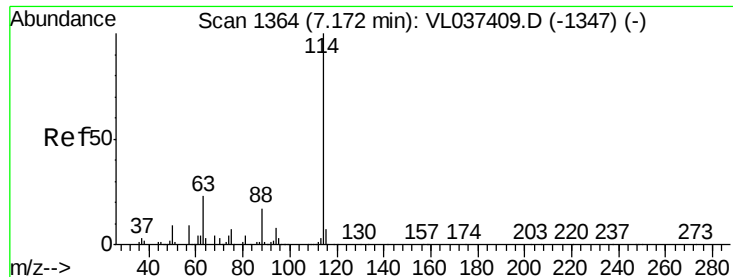


#32

1,1,1-Trichloroethane
Concen: 8.784 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. 0.00 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion: 97 Resp: 2215397
Ion Ratio Lower Upper
97 100
99 66.1 52.3 78.5
61 49.9 40.1 60.1

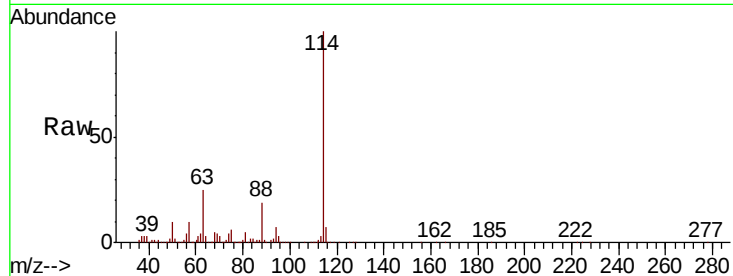




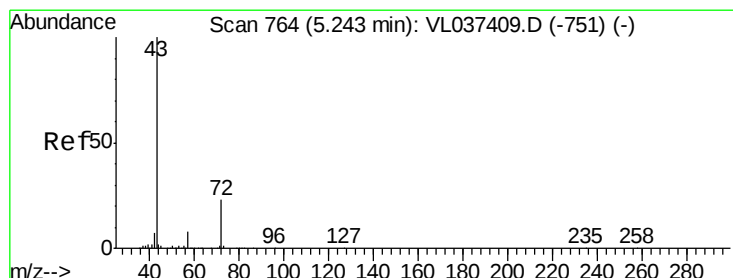
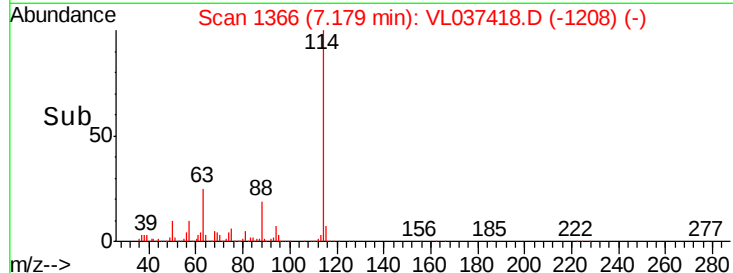
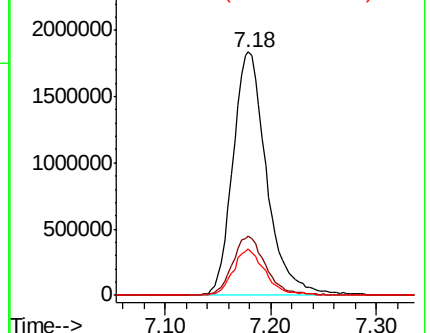
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4069042
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.4 29.2
 88 18.2 14.2 21.4

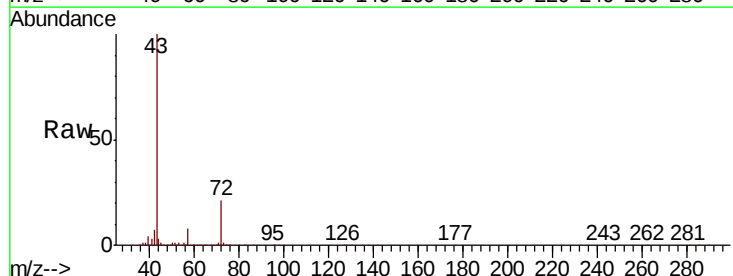


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

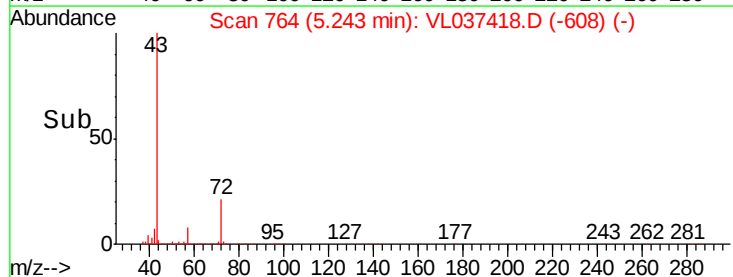
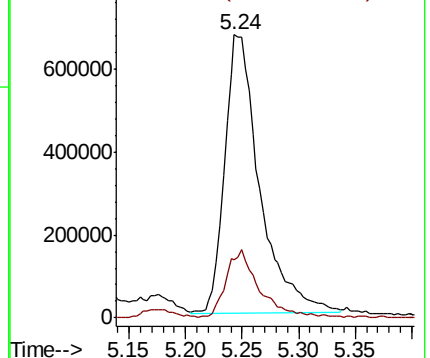


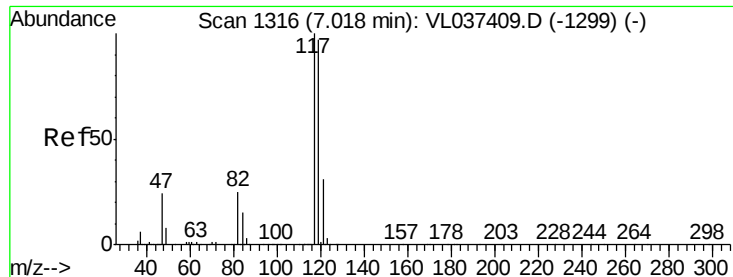
#34
 2-Butanone
 Concen: 8.582 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Tgt Ion: 43 Resp: 1441656
 Ion Ratio Lower Upper
 43 100
 72 23.8 17.7 26.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

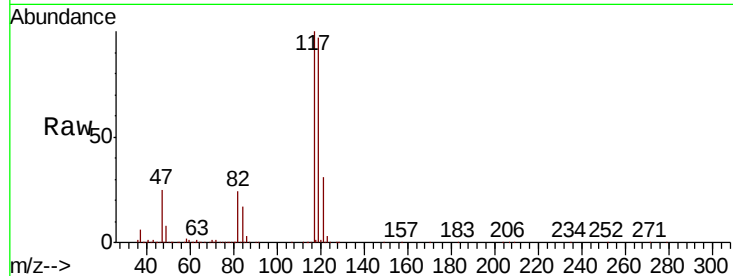




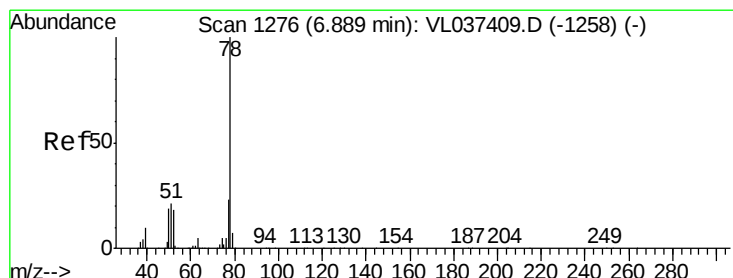
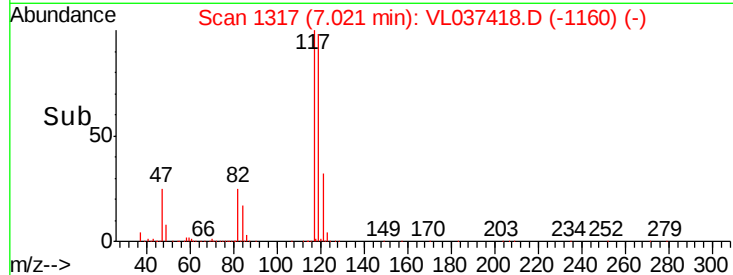
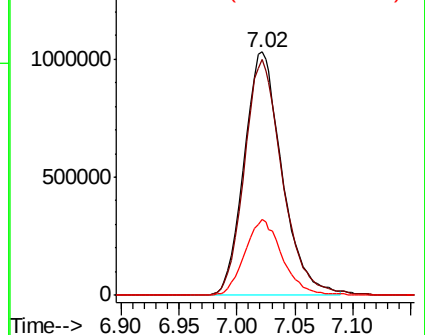
#35
Carbon Tetrachloride
Concen: 9.338 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:117 Resp: 2343077
Ion Ratio Lower Upper
117 100
119 97.0 77.5 116.3
121 31.3 24.7 37.1

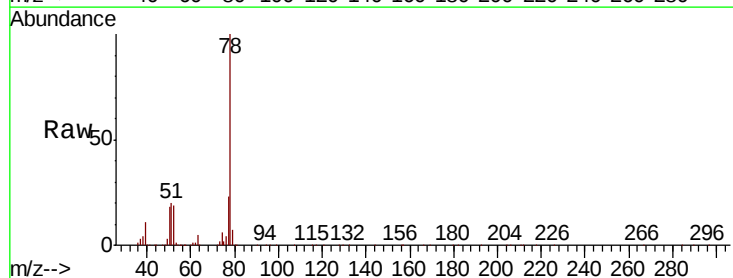


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

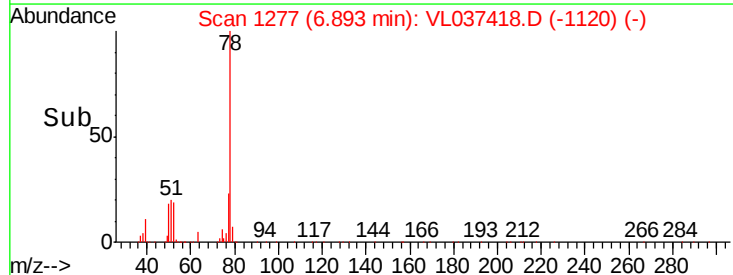
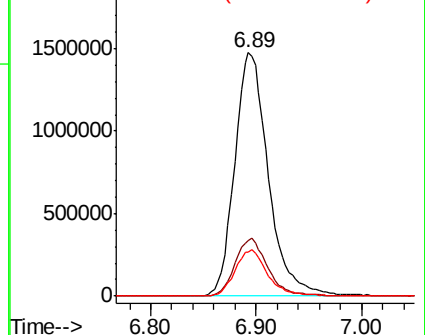


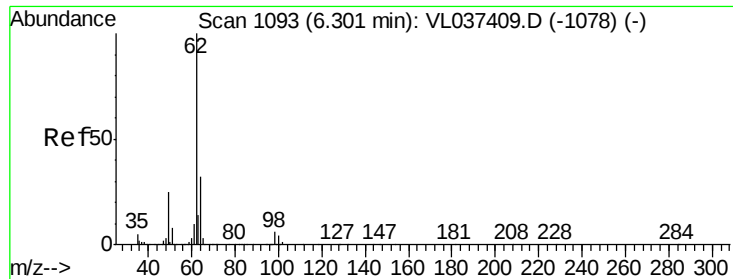
#36
Benzene
Concen: 9.503 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion: 78 Resp: 3260610
Ion Ratio Lower Upper
78 100
77 22.6 18.6 27.8
50 18.3 14.9 22.3



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.240 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

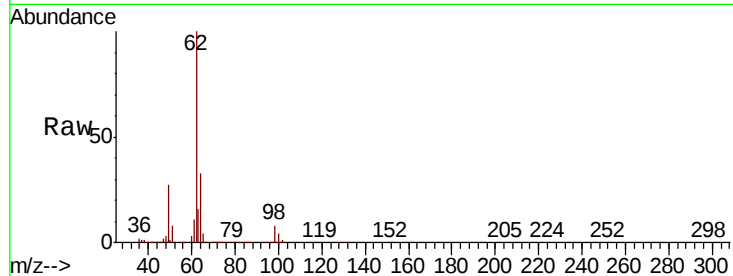
ClientSampleId :

Tot Ion: 62 Resp: 1617882

Ion Ratio Lower Upper

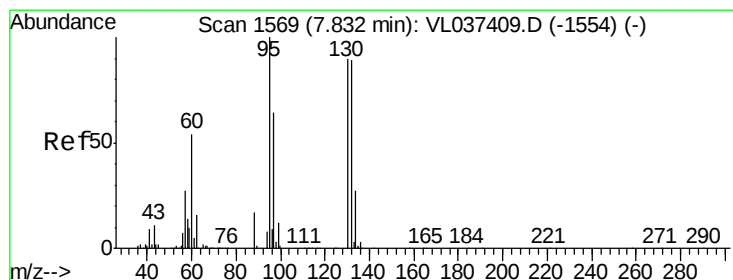
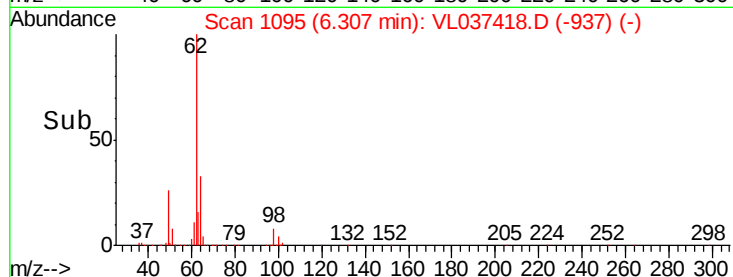
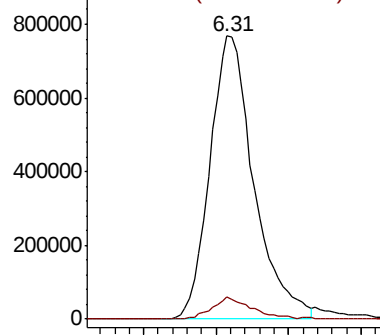
62 100

98 7.4 5.4 8.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 8.417 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Tgt Ion:130 Resp: 1274604

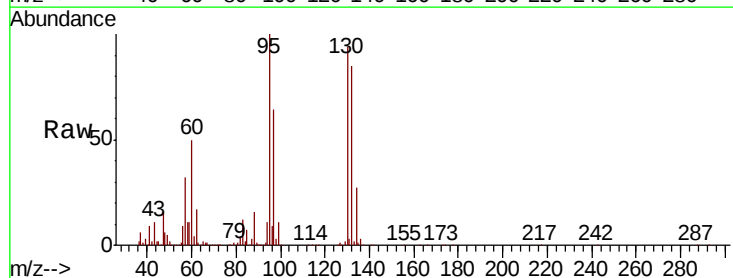
Ion Ratio Lower Upper

130 100

95 106.2 88.6 132.8

132 90.3 79.2 118.8

97 68.1 56.9 85.3

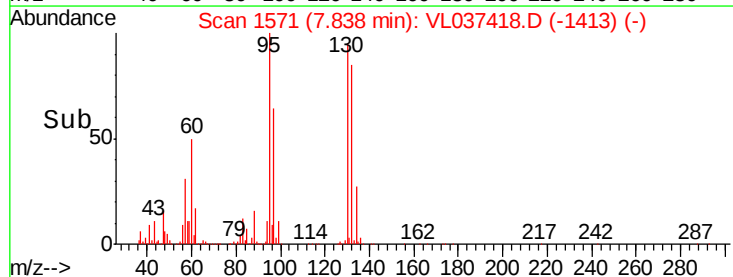
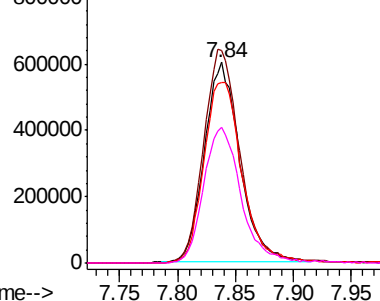


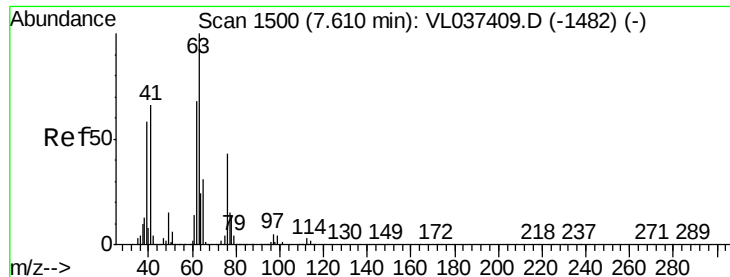
Abundance Ion 130.00 (129.70 to 130.70): V

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

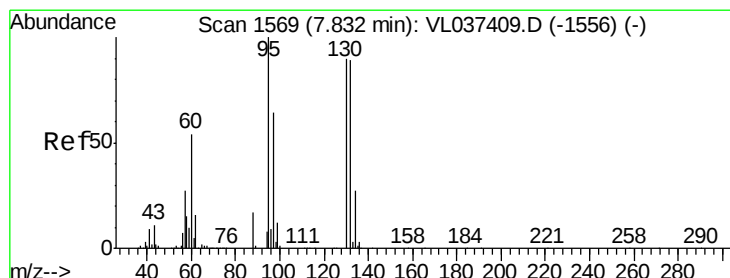
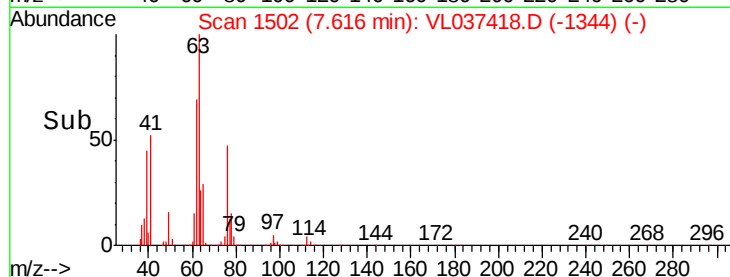
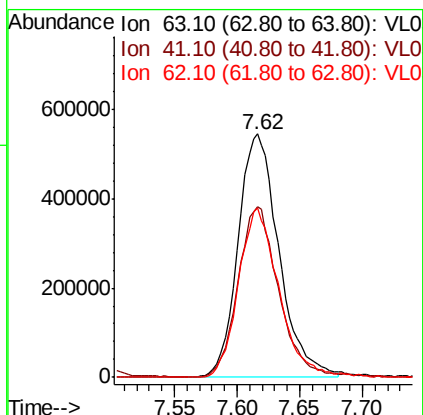
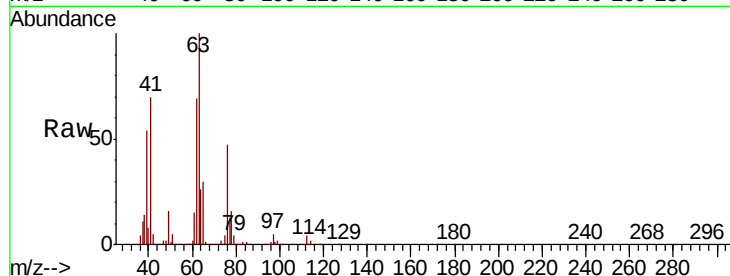




#39
 1,2-Dichloropropane
 Concen: 9.422 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

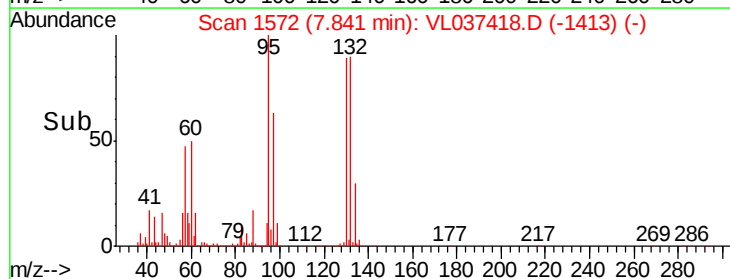
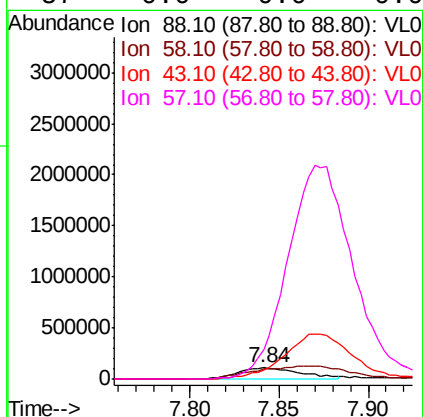
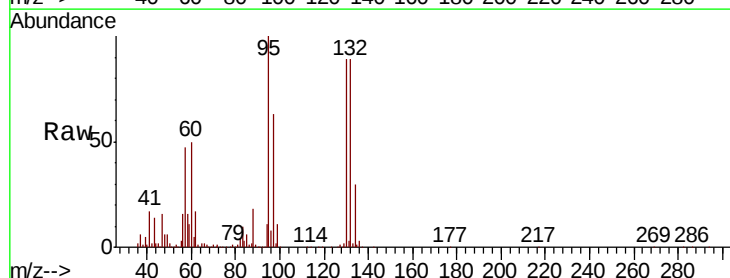
Instrument :
 MSVOA_L
 ClientSampleId :

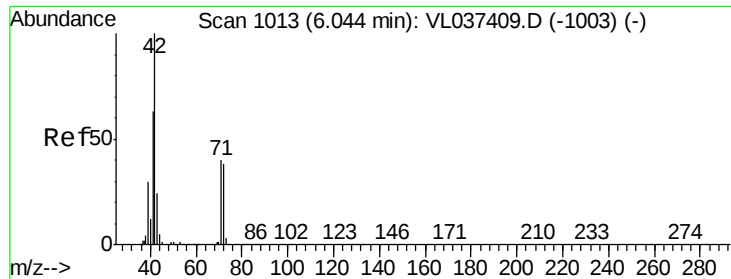
Tot Ion: 63 Resp: 1231519
 Ion Ratio Lower Upper
 63 100
 41 69.6 53.0 79.6
 62 69.4 54.5 81.7



#40
 1,4-Dioxane
 Concen: 8.258 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Tgt Ion: 88 Resp: 262678
 Ion Ratio Lower Upper
 88 100
 58 0.0 0.0 0.0
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0

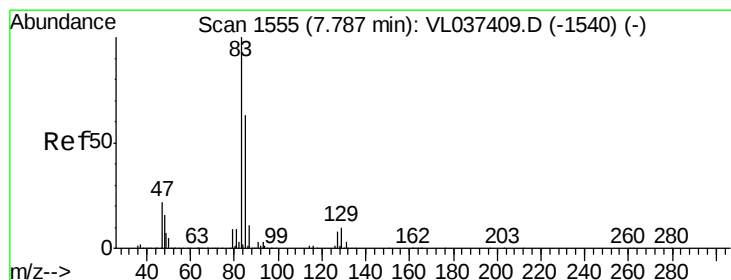
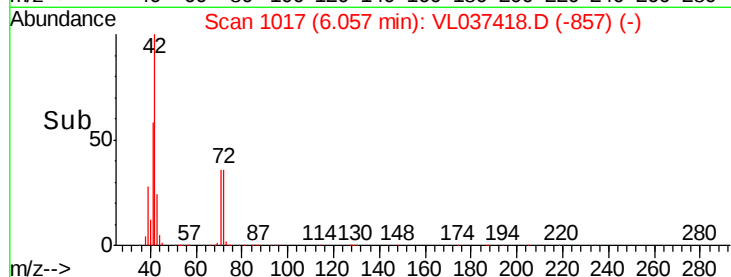
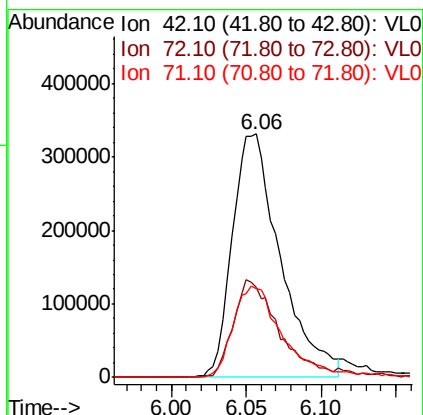
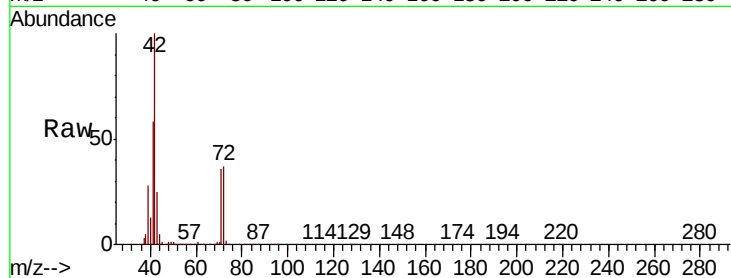




#41
Tetrahydrofuran
Concen: 9.574 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

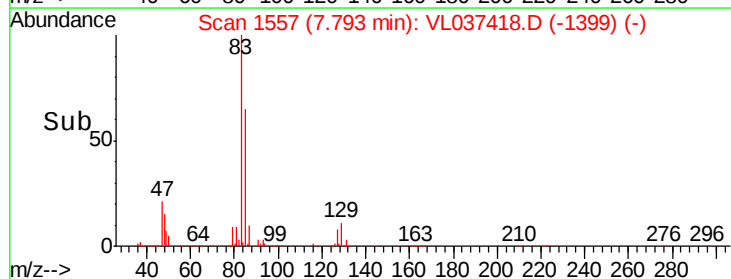
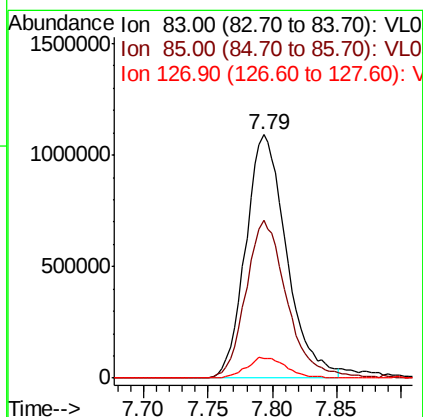
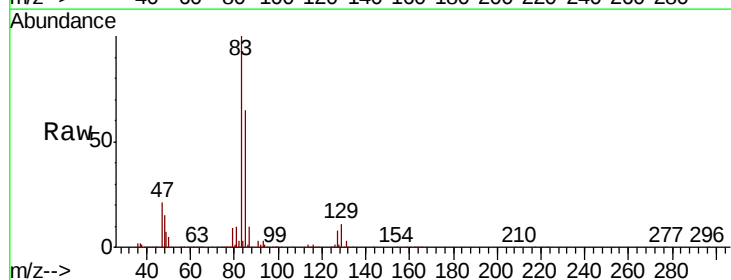
Instrument :
MSVOA_L
ClientSampled :

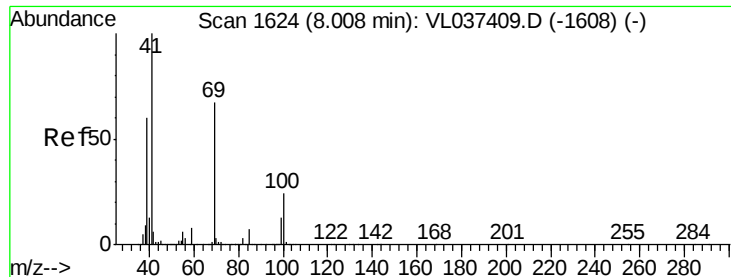
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	33.5	50.3
71	39.7	32.6	48.8



#42
Bromodichloromethane
Concen: 9.830 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.2	75.2
127	7.9	6.6	9.8

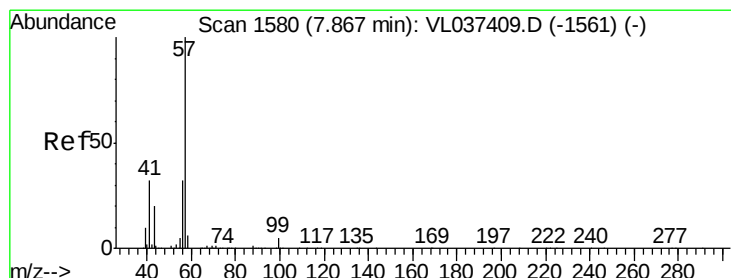
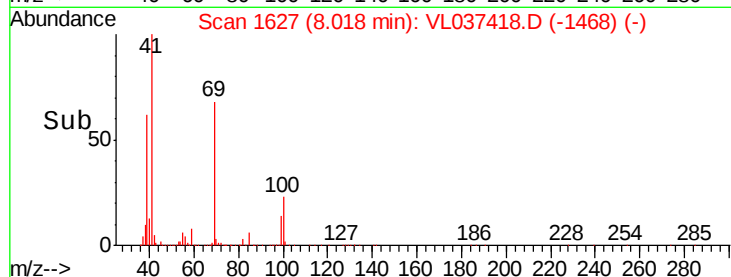
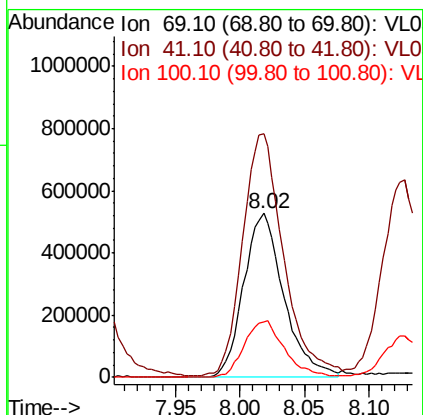
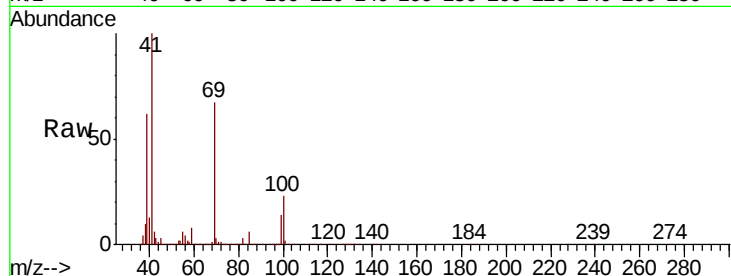




#43
Methvl Methacrylate
Concen: 9.909 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

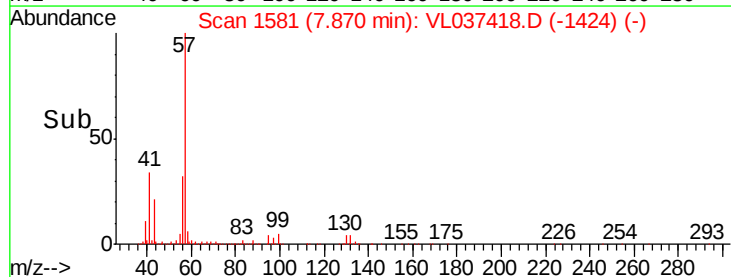
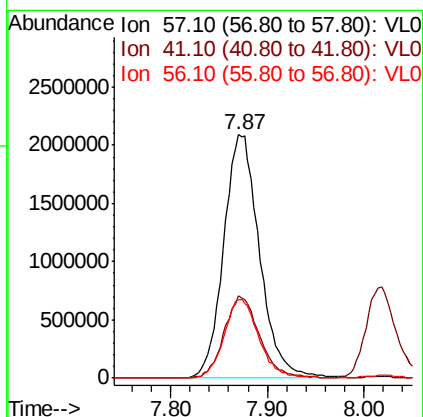
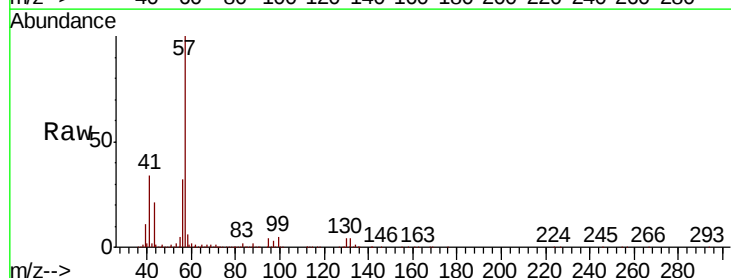
Instrument :
MSVOA_L
ClientSampleId :

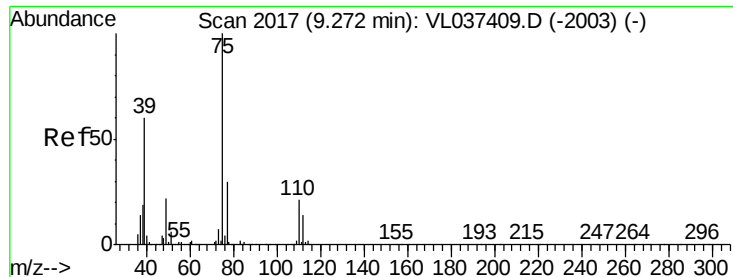
Tot Ion: 69 Resp: 1152295
Ion Ratio Lower Upper
69 100
41 151.3 118.1 177.1
100 34.7 27.6 41.4



#44
2,2,4-Trimethylpentane
Concen: 9.282 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion: 57 Resp: 5324755
Ion Ratio Lower Upper
57 100
41 33.5 26.4 39.6
56 31.8 25.0 37.4

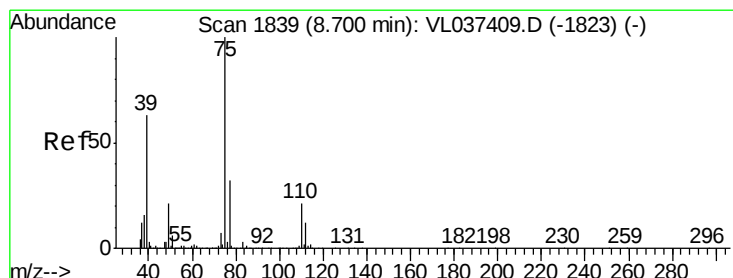
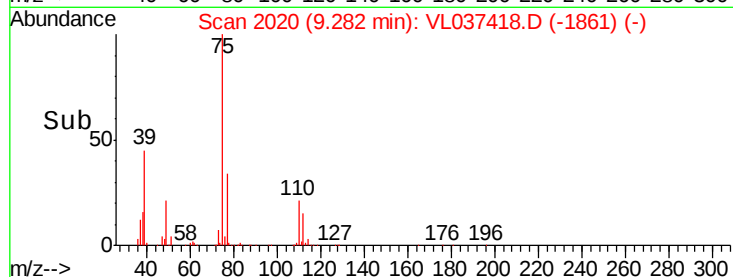
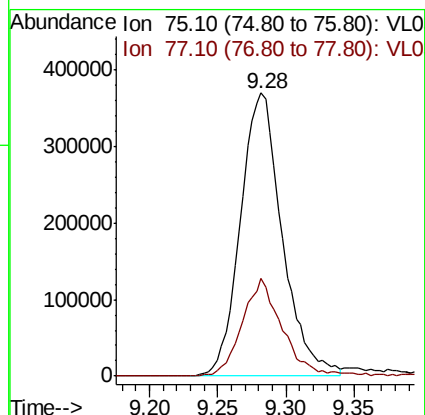
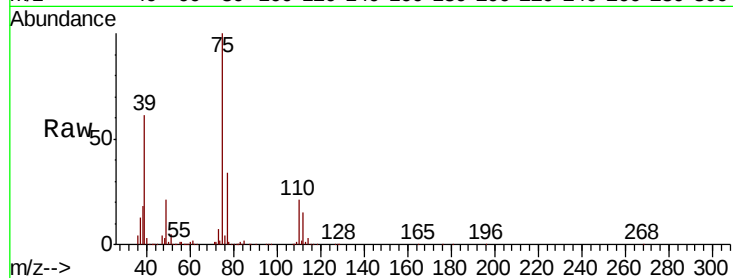




#45
 t-1,3-Dichloropropene
 Concen: 9.090 ppbv
 RT: 9.28 min Scan# 2020
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

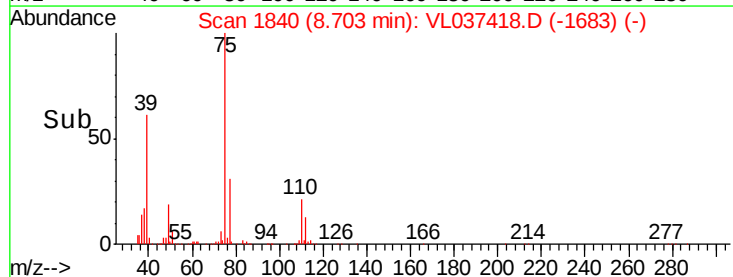
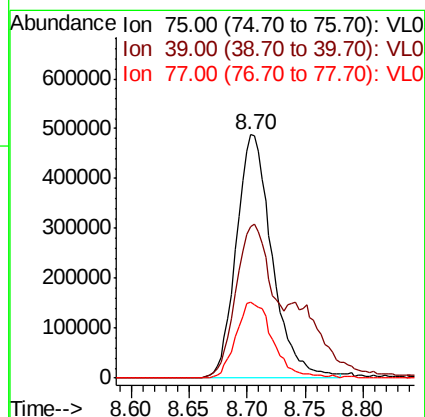
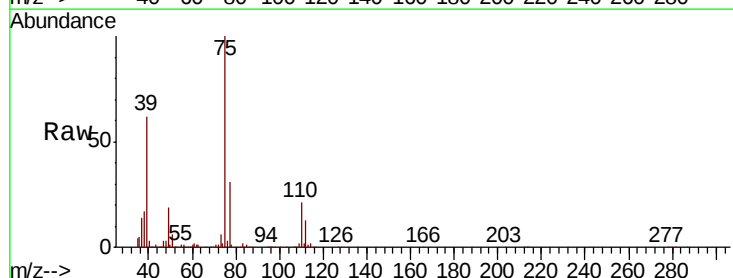
Instrument :
 MSVOA_L
 ClientSampleId :

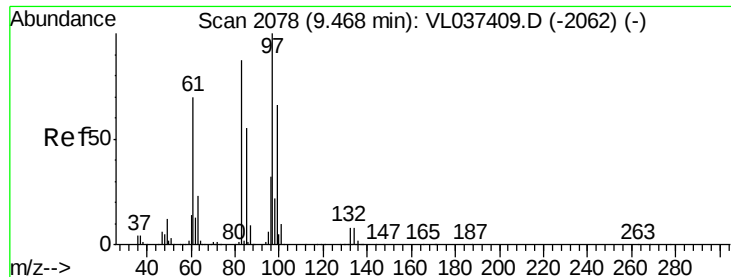
Tot Ion: 75 Resp: 785520
 Ion Ratio Lower Upper
 75 100
 77 34.4 24.2 36.2



#46
 cis-1,3-Dichloropropene
 Concen: 8.667 ppbv
 RT: 8.70 min Scan# 1840
 Delta R.T. 0.00 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Tgt Ion: 75 Resp: 1045502
 Ion Ratio Lower Upper
 75 100
 39 62.0 50.1 75.1
 77 31.4 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 9.201 ppbv

RT: 9.47 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 1299996

Ion	Ratio	Lower	Upper
97	100		
83	84.9	69.5	104.3
85	54.6	43.8	65.8
99	61.0	53.0	79.4

97 100

83 84.9 69.5 104.3

85 54.6 43.8 65.8

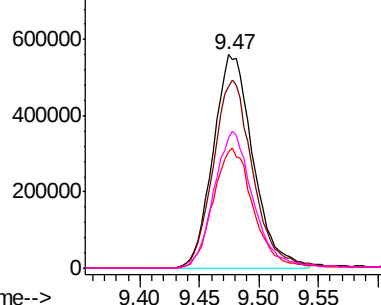
99 61.0 53.0 79.4

Abundance Ion 97.00 (96.70 to 97.70): VL0

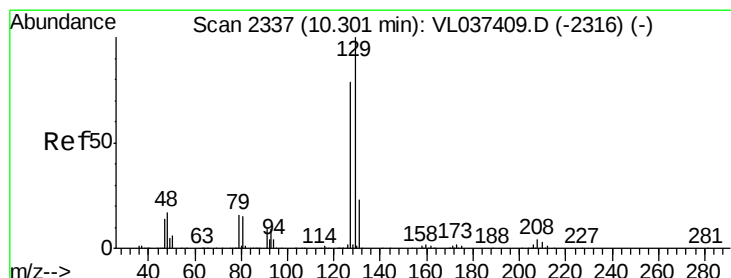
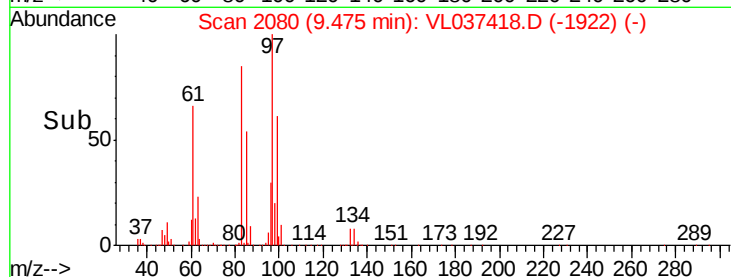
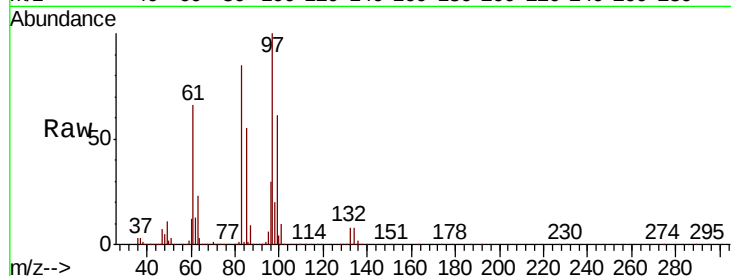
Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



Time-->



#48

Dibromochloromethane

Concen: 10.410 ppbv

RT: 10.31 min Scan# 2339

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Tgt Ion: 129 Resp: 2122218

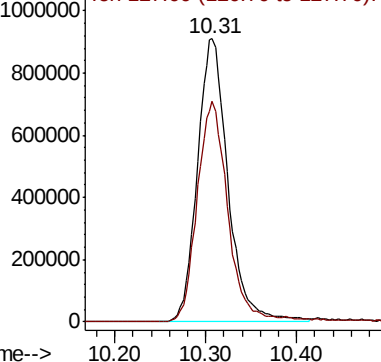
Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.6	118.8

129 100

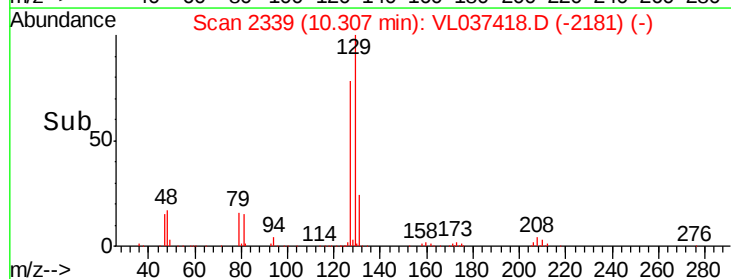
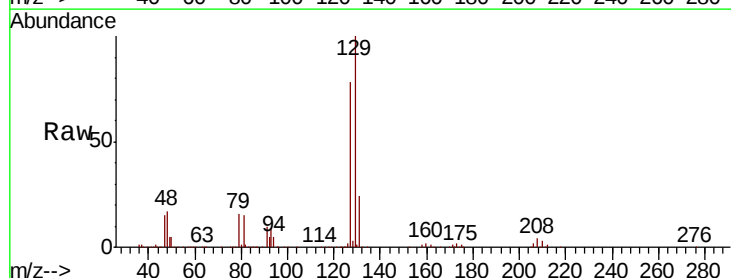
127 79.6 39.6 118.8

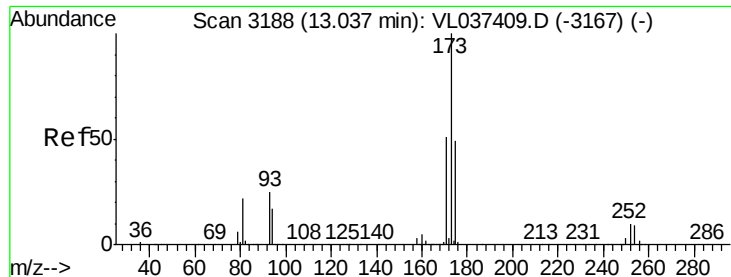
Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->





#49

Bromoform

Concen: 10.262 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampled :

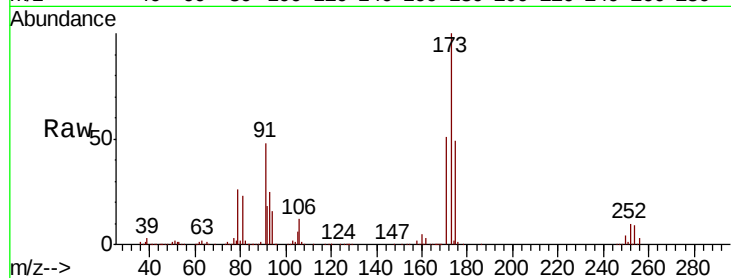
Tot Ion:173 Resp: 1585179

Ion Ratio Lower Upper

173 100

175 54.9 39.9 59.9

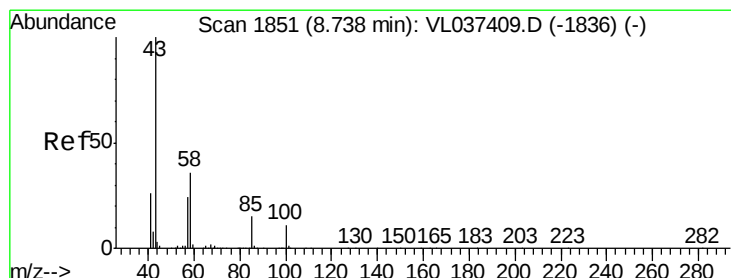
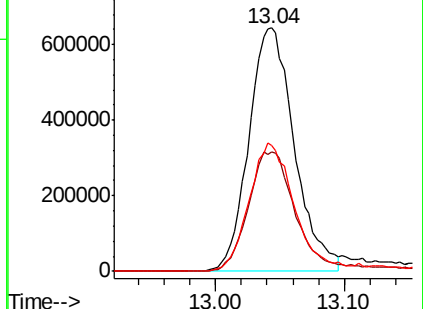
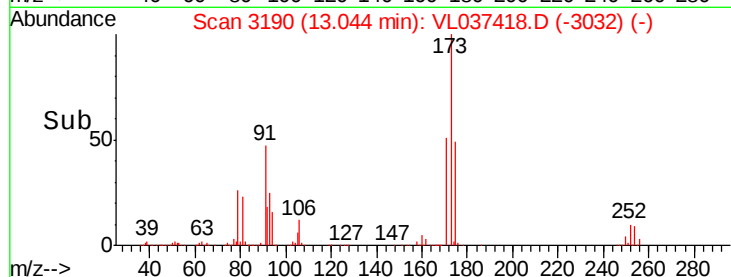
171 57.1 41.4 62.2



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



#50

4-Methyl-2-Pentanone

Concen: 10.105 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL037418.D

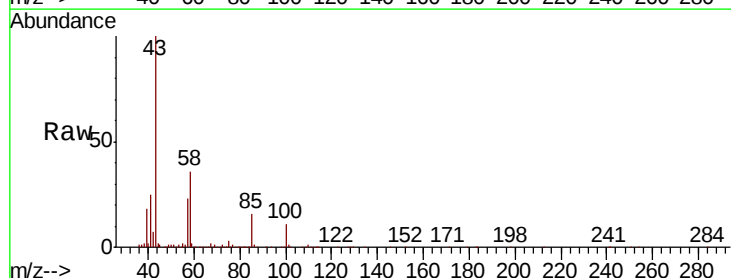
Acq: 12 Aug 2021 17:18

Tgt Ion: 43 Resp: 2135616

Ion Ratio Lower Upper

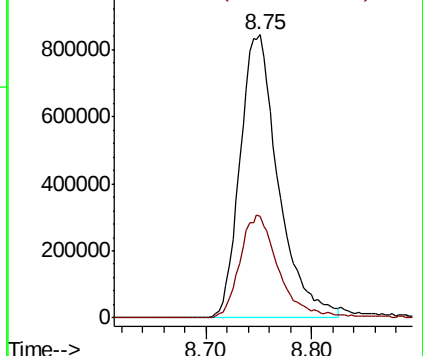
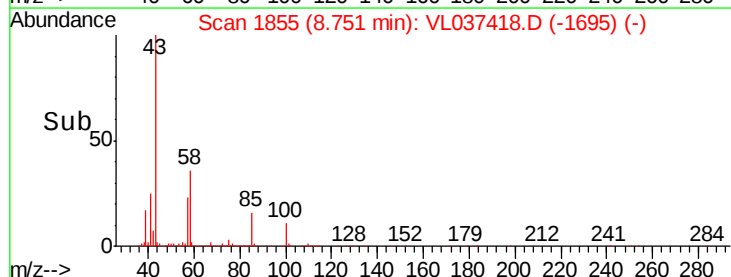
43 100

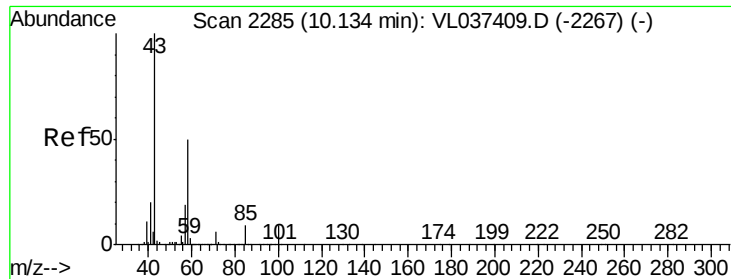
58 37.2 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

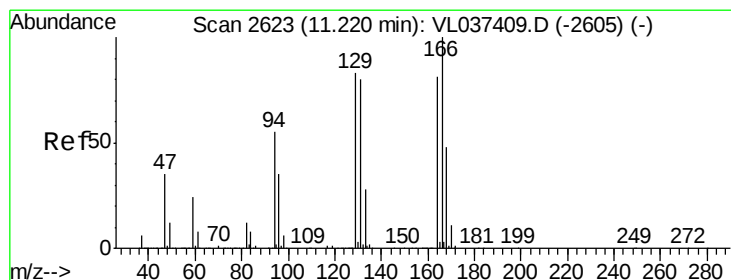
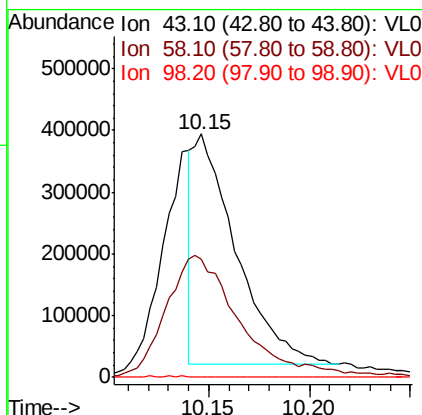
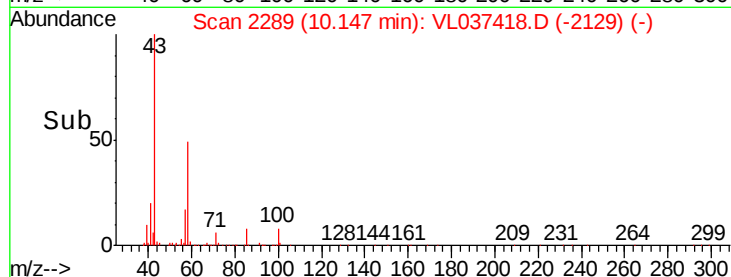
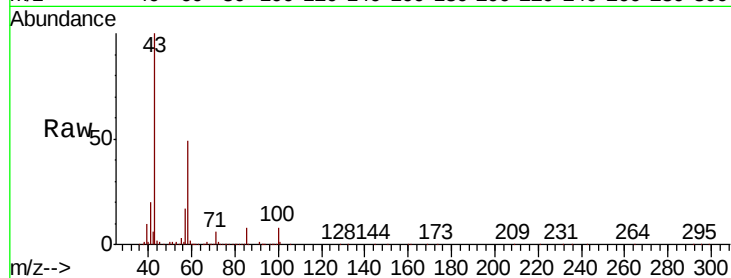




#51
2-Hexanone
Concen: 5.493 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

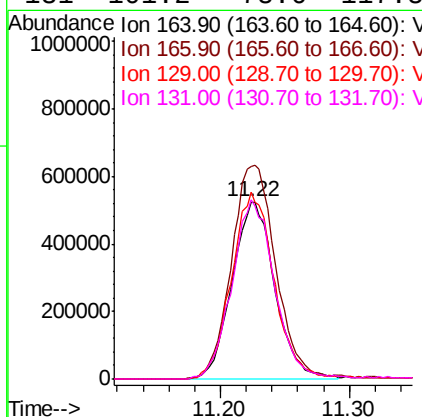
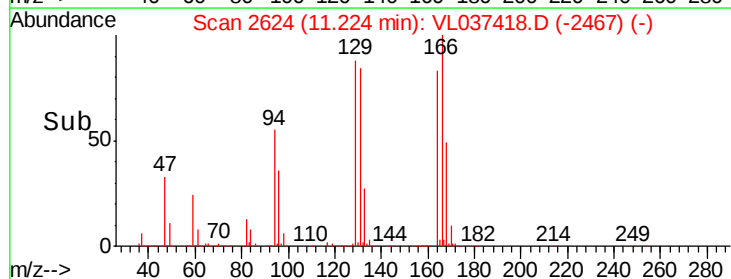
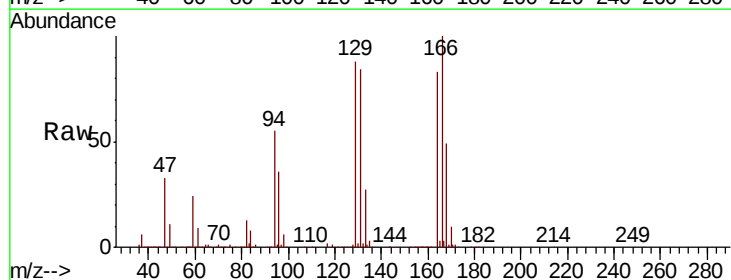
Instrument :
MSVOA_L
ClientSampled :

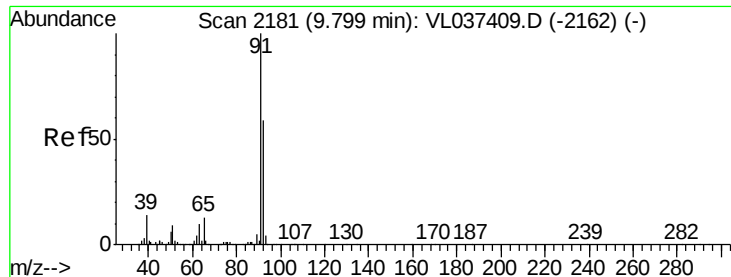
Tot Ion: 43 Resp: 546183
Ion Ratio Lower Upper
43 100
58 94.9 39.9 59.9#
98 0.6 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.296 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. 0.00 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion: 164 Resp: 1199188
Ion Ratio Lower Upper
164 100
166 119.9 98.6 147.8
129 105.5 82.0 123.0
131 101.2 78.6 117.8





#53

Toluene

Concen: 9.581 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

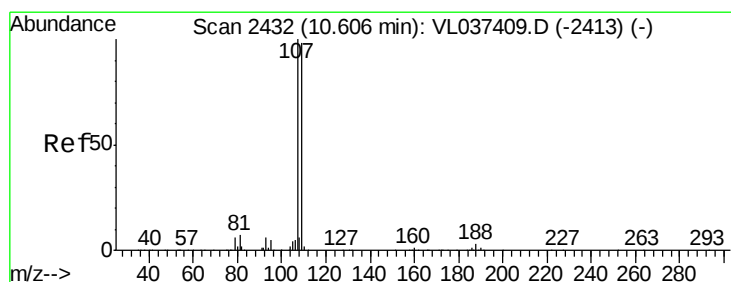
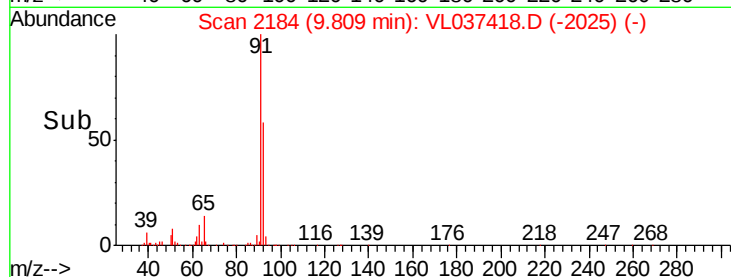
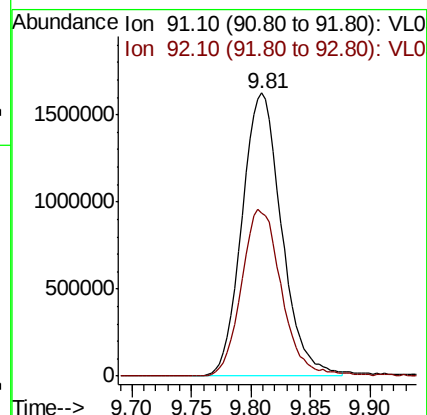
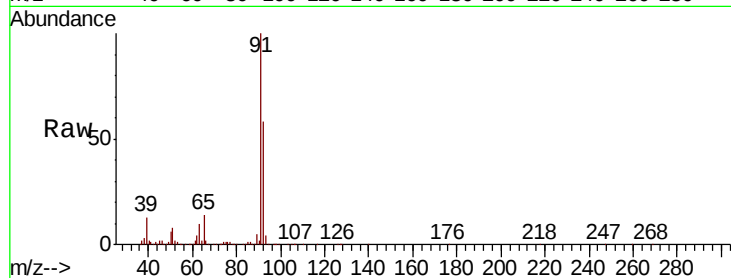
ClientSampleId :

Tot Ion: 91 Resp: 3753220

Ion Ratio Lower Upper

91 100

92 60.4 49.0 73.6



#54

1,2-Dibromoethane

Concen: 9.540 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.01 min

Lab File: VL037418.D

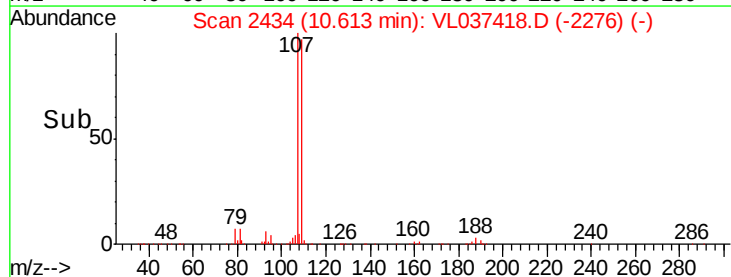
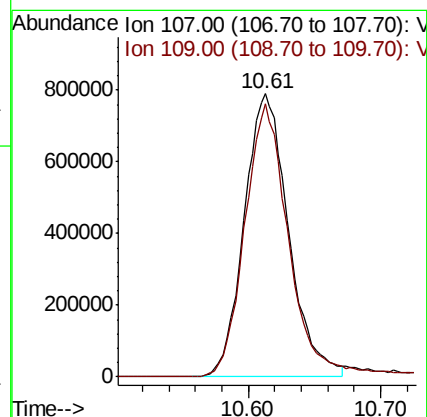
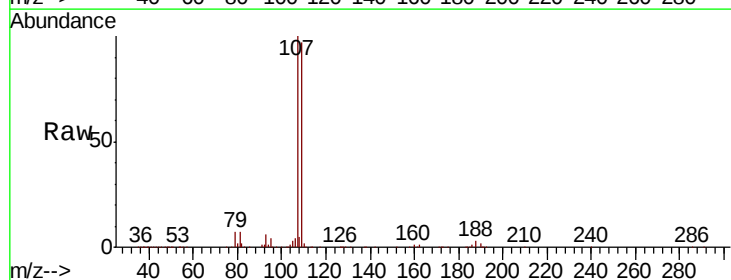
Acq: 12 Aug 2021 17:18

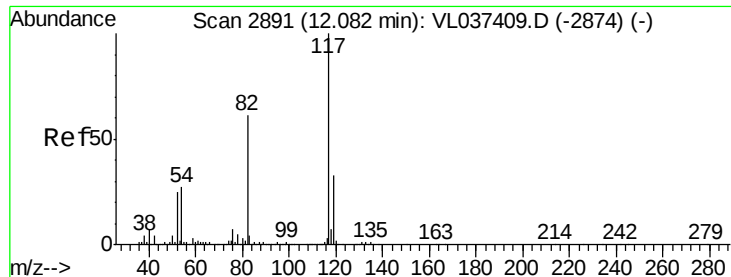
Tgt Ion: 107 Resp: 1834583

Ion Ratio Lower Upper

107 100

109 96.5 78.4 117.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampleId :

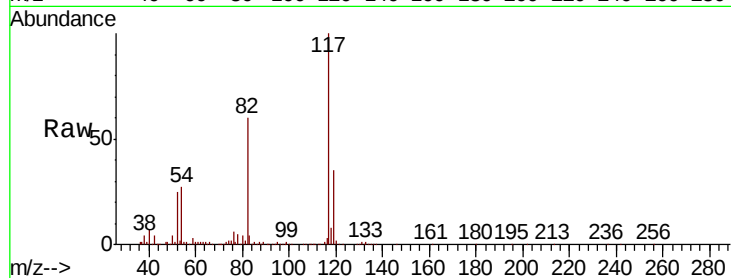
Tot Ion:117 Resp: 4505373

Ion Ratio Lower Upper

117 100

82 53.0 53.1 79.7#

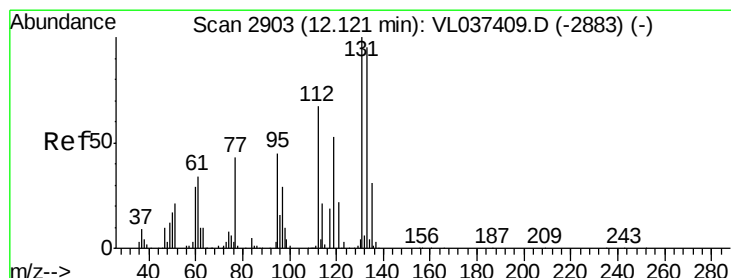
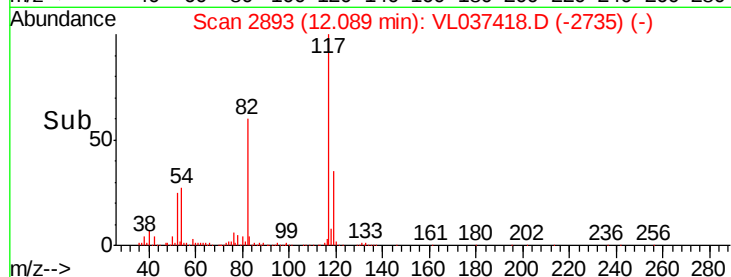
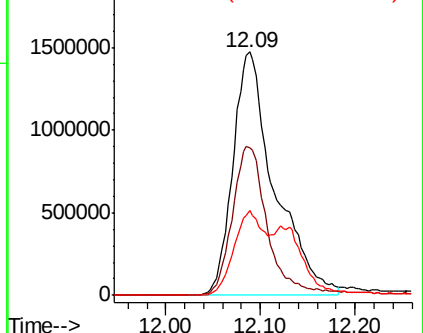
119 48.3 28.0 42.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.829 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

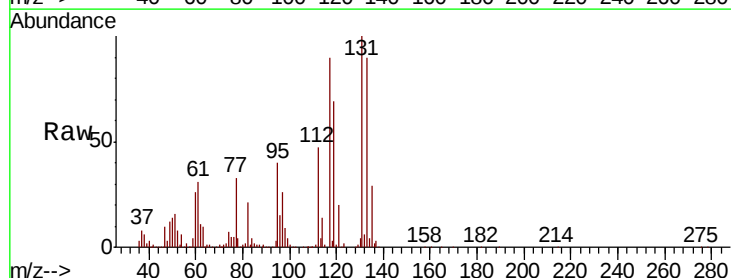
Tgt Ion:131 Resp: 1404227

Ion Ratio Lower Upper

131 100

133 100.2 77.1 115.7

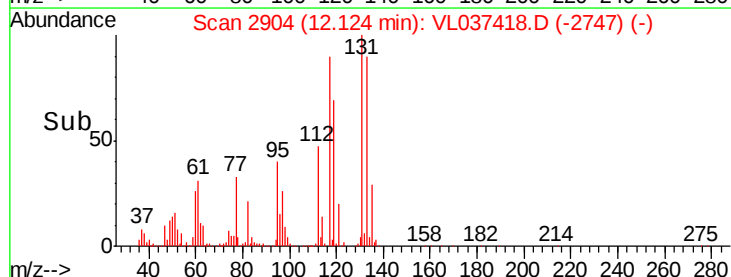
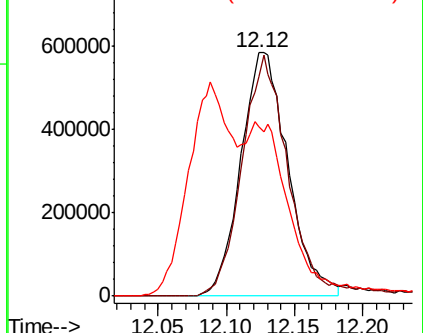
119 155.1 59.7 89.5#

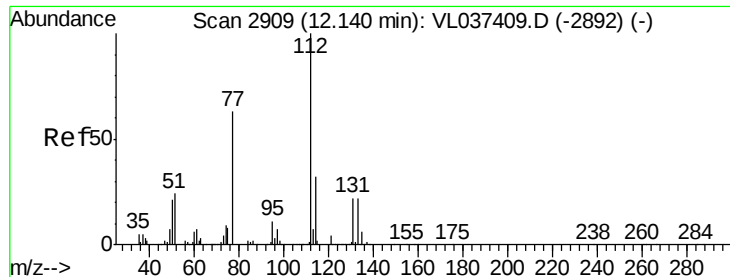


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.289 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampled :

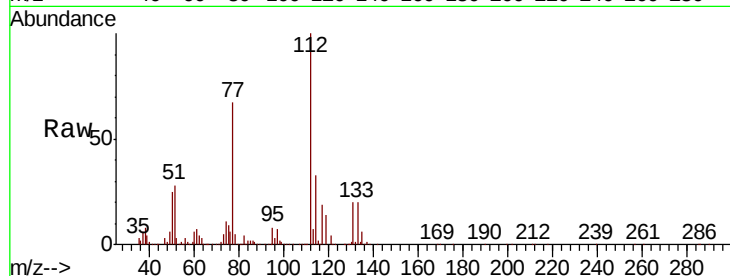
Tot Ion:112 Resp: 2661463

Ion Ratio Lower Upper

112 100

77 65.2 50.0 75.0

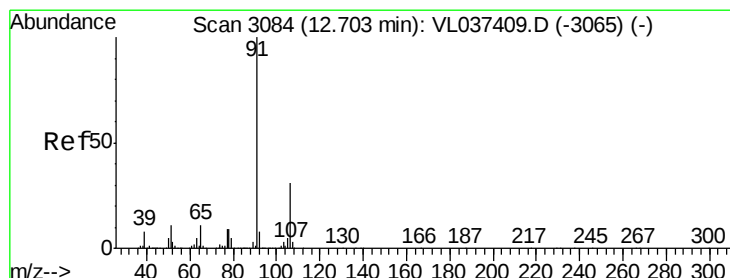
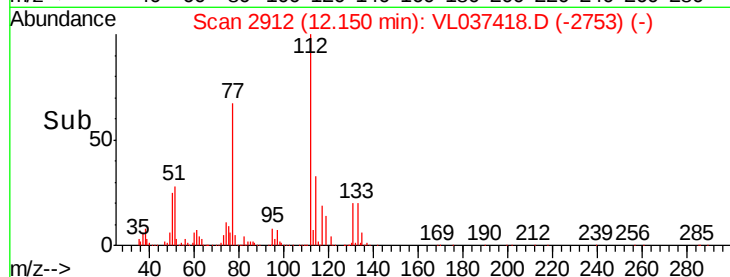
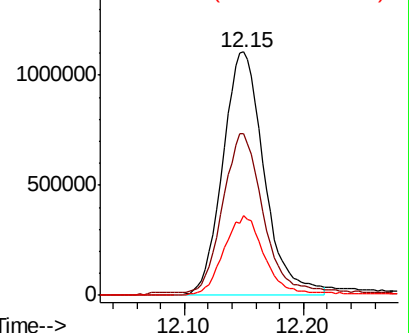
114 31.9 28.5 34.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.782 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. 0.01 min

Lab File: VL037418.D

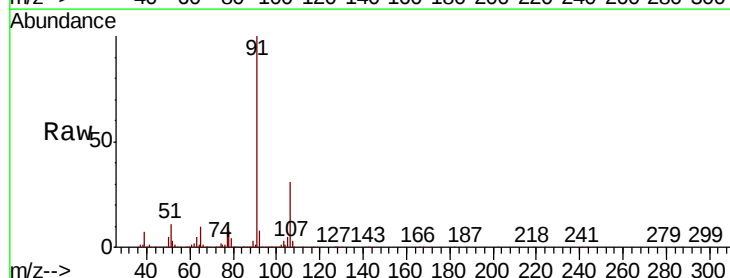
Acq: 12 Aug 2021 17:18

Tgt Ion: 91 Resp: 4755958

Ion Ratio Lower Upper

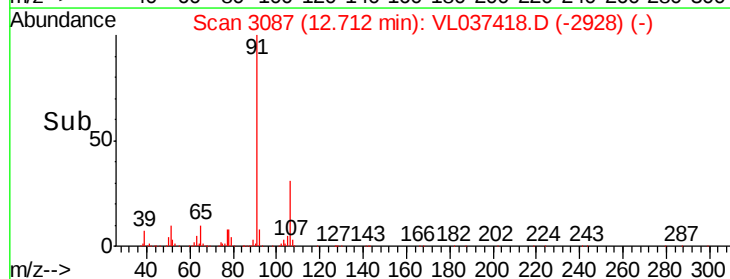
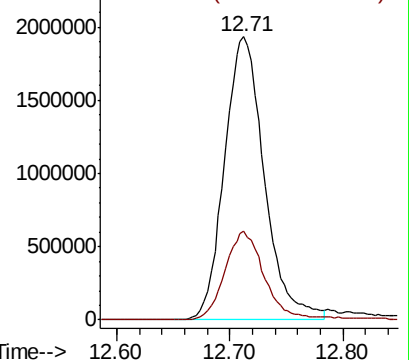
91 100

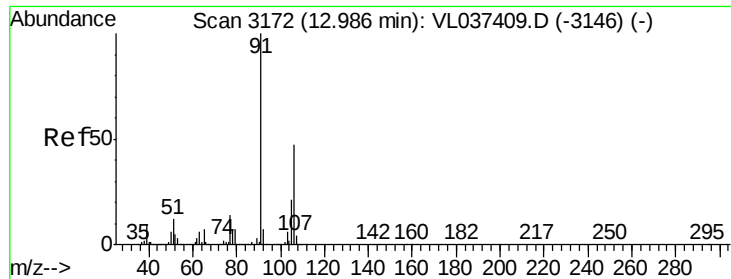
106 31.2 24.7 37.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.909 ppbv

RT: 13.00 min Scan# 3176

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

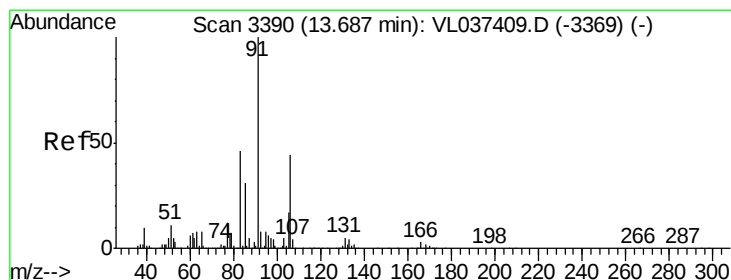
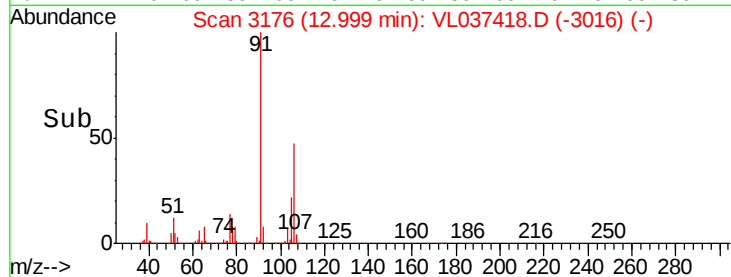
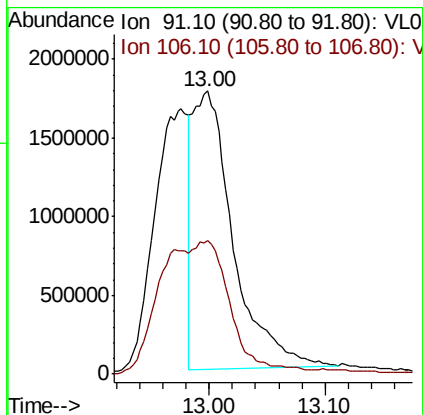
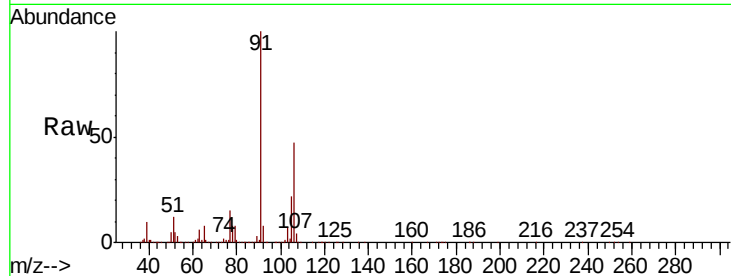
ClientSampleId :

Tot Ion: 91 Resp: 4245919

Ion Ratio Lower Upper

91 100

106 86.7 36.6 54.8#



#60

o-Xylene

Concen: 7.286 ppbv

RT: 13.69 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VL037418.D

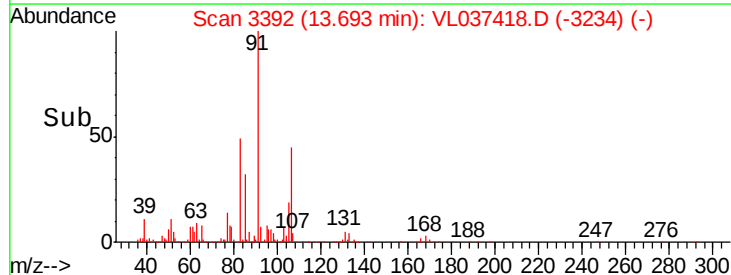
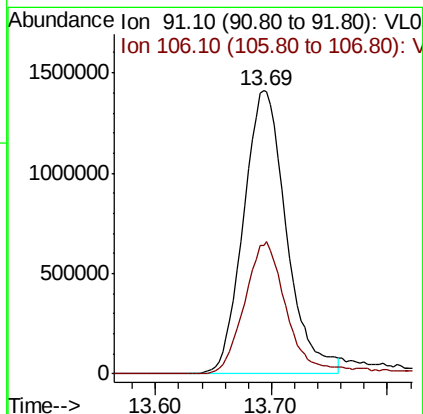
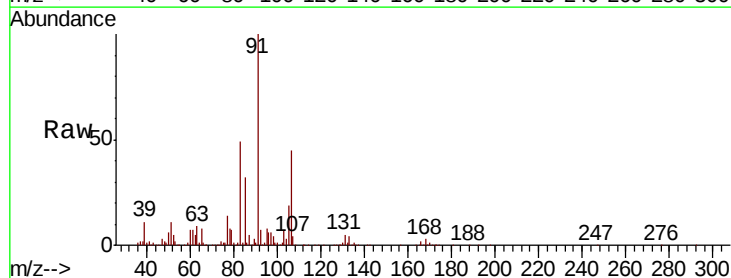
Acq: 12 Aug 2021 17:18

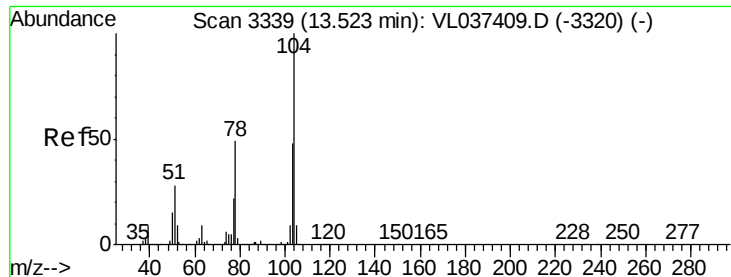
Tgt Ion: 91 Resp: 3633892

Ion Ratio Lower Upper

91 100

106 47.6 24.1 72.2





#61

Stvrene

Concen: 8.049 ppbv

RT: 13.53 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampleId :

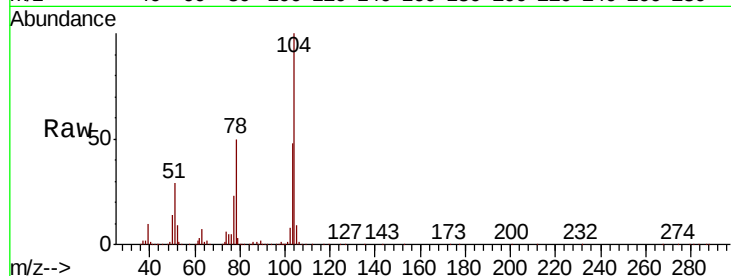
Tot Ion:104 Resp: 2028221

Ion Ratio Lower Upper

104 100

78 53.5 41.5 62.3

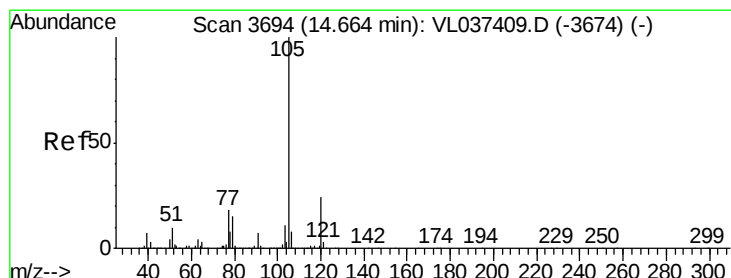
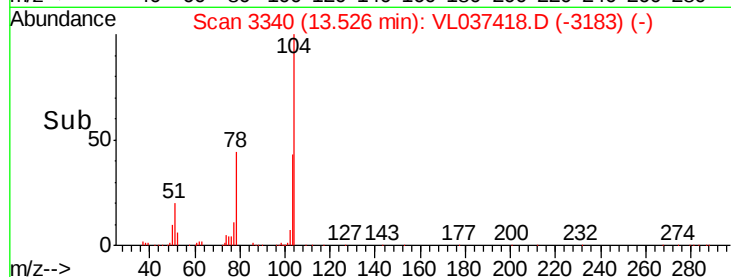
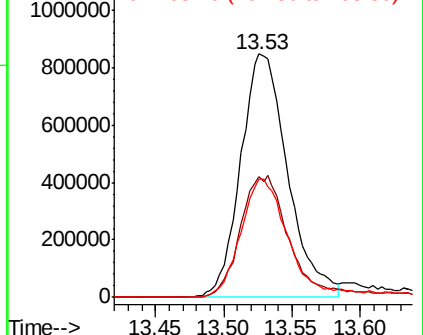
103 51.0 40.2 60.2



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: 7.366 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VL037418.D

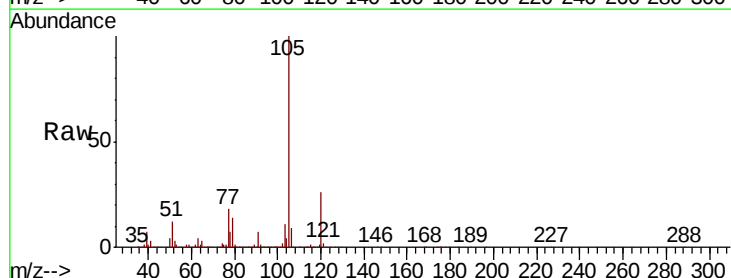
Acq: 12 Aug 2021 17:18

Tgt Ion:105 Resp: 5253939

Ion Ratio Lower Upper

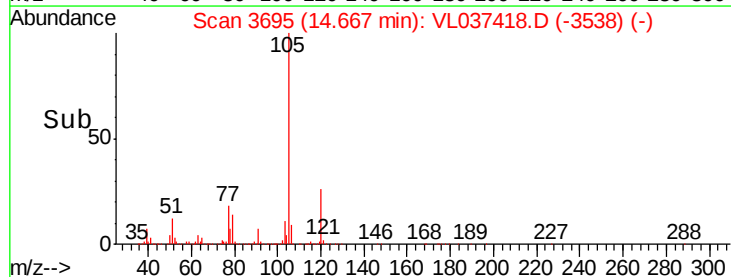
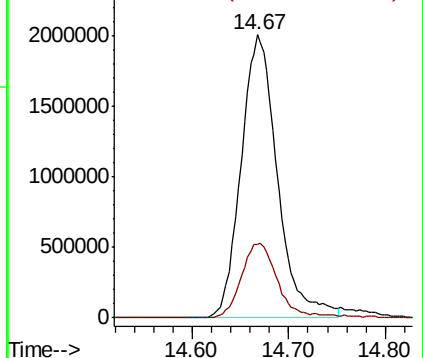
105 100

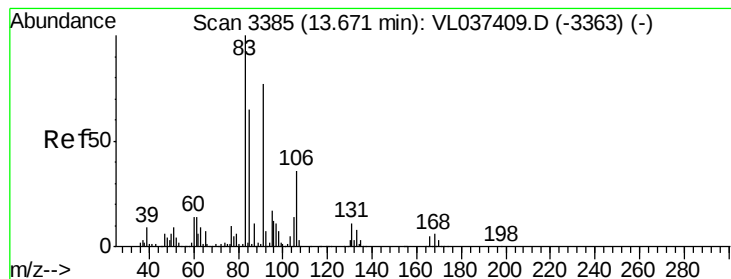
120 27.0 21.6 32.4



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: 7.064 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

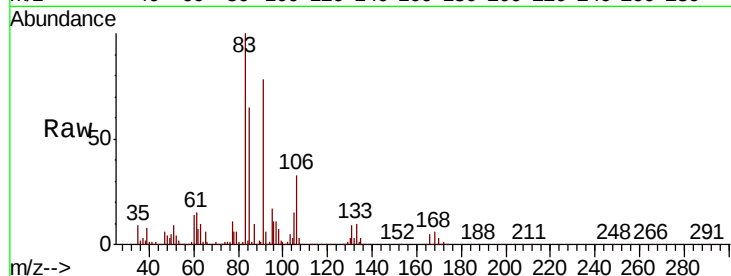
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 83 Resp: 2657027

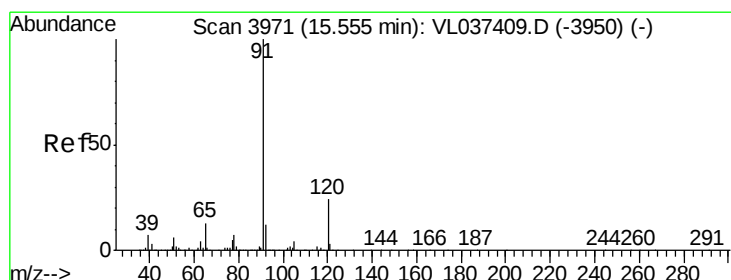
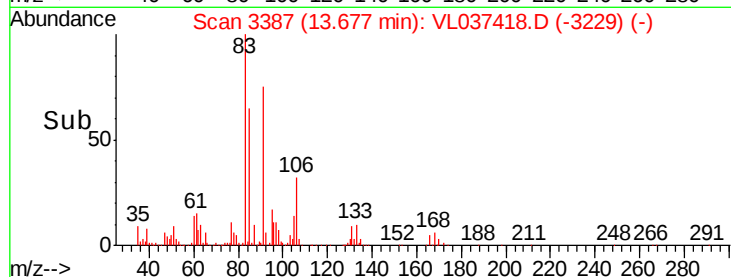
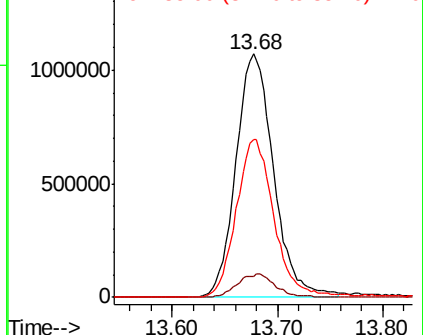
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.4
85	66.3	33.4	100.2



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: 7.540 ppbv

RT: 15.56 min Scan# 3973

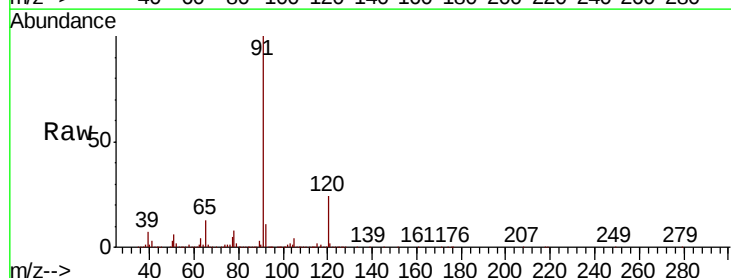
Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

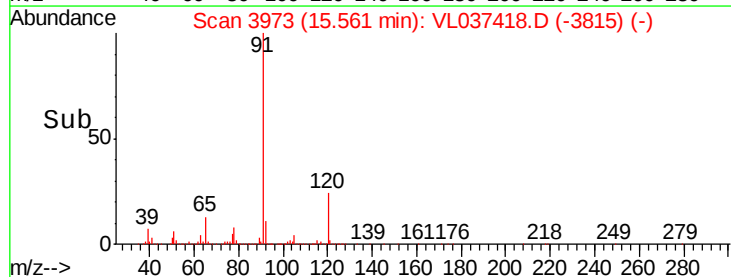
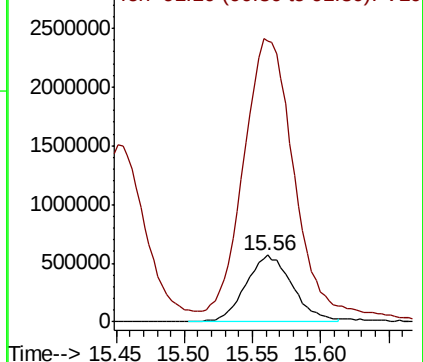
Tgt Ion: 120 Resp: 1353334

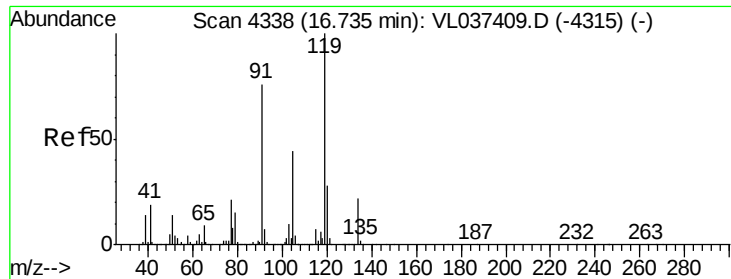
Ion	Ratio	Lower	Upper
120	100		
91	479.1	388.4	582.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.237 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampleId :

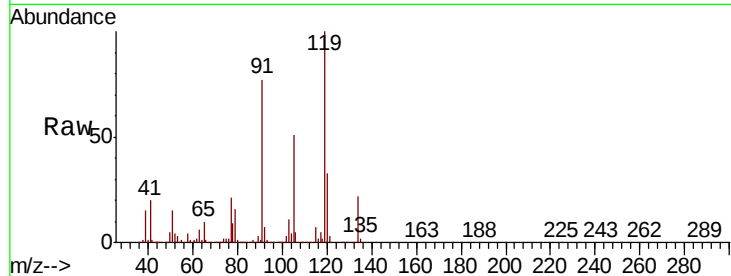
Tot Ion:119 Resp: 4654749

Ion Ratio Lower Upper

119 100

91 78.2 62.2 93.4

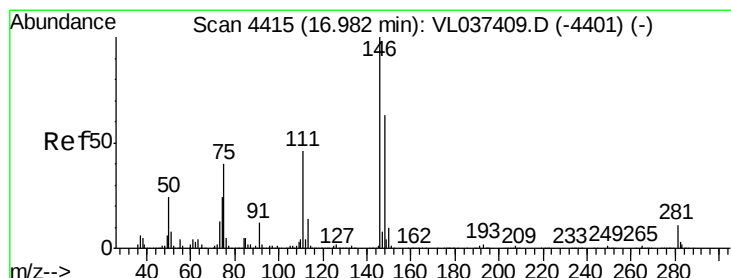
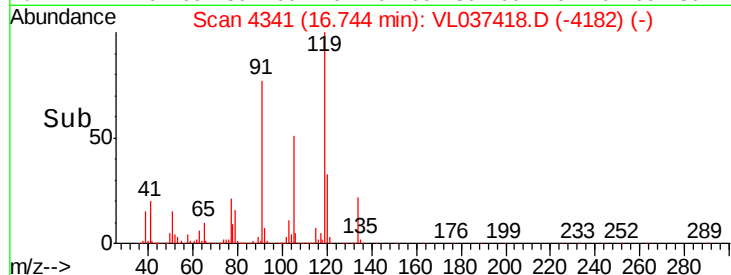
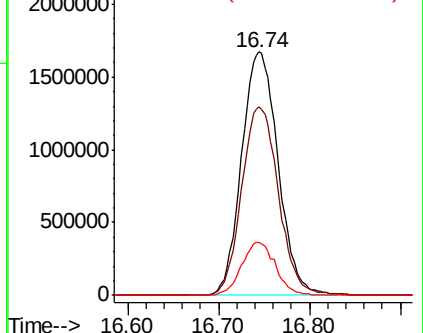
134 20.3 16.1 24.1



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: 3.409 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

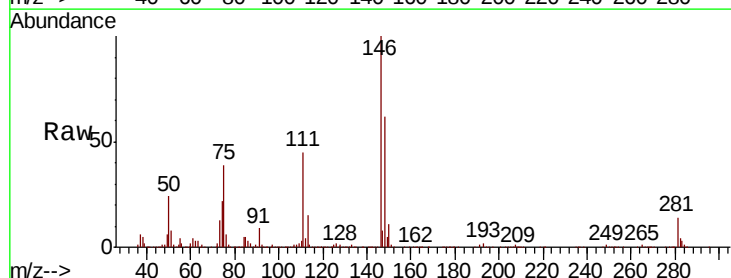
Tgt Ion: 91 Resp: 100322

Ion Ratio Lower Upper

91 100

126 37.1 14.3 21.5#

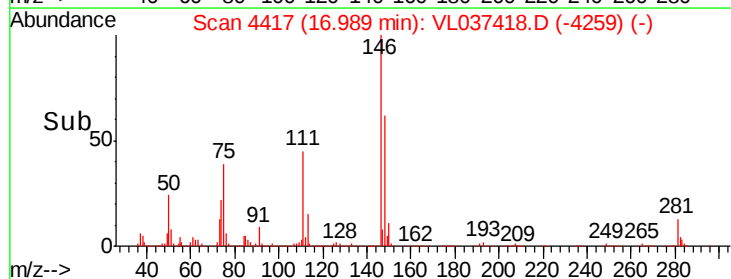
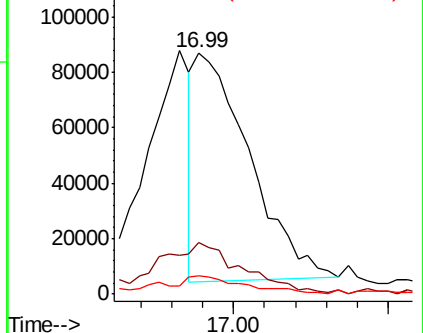
128 13.6 4.6 7.0#

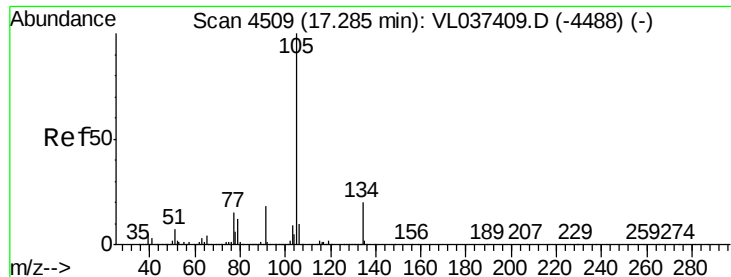


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.297 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

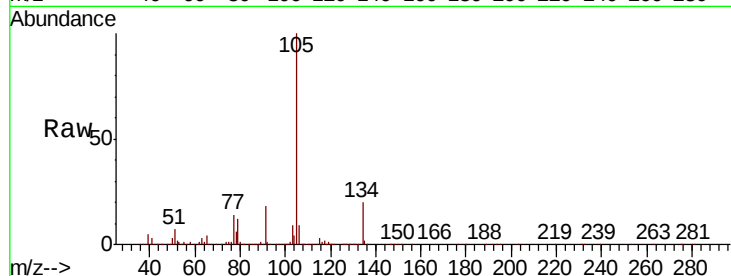
ClientSampled :

Tot Ion:105 Resp: 6386807

Ion Ratio Lower Upper

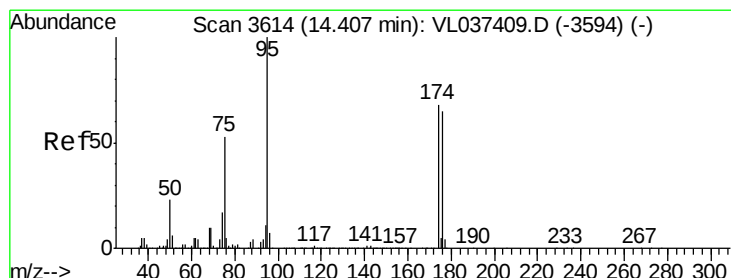
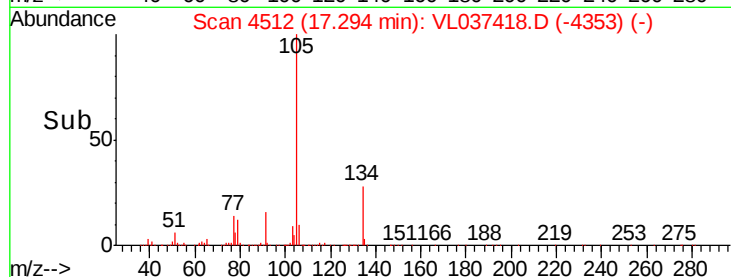
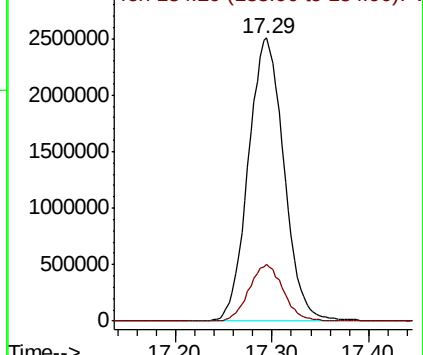
105 100

134 19.4 15.4 23.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.395 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

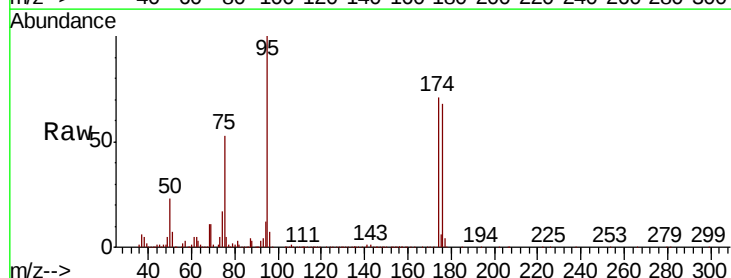
Tgt Ion: 95 Resp: 2713119

Ion Ratio Lower Upper

95 100

174 74.1 59.6 89.4

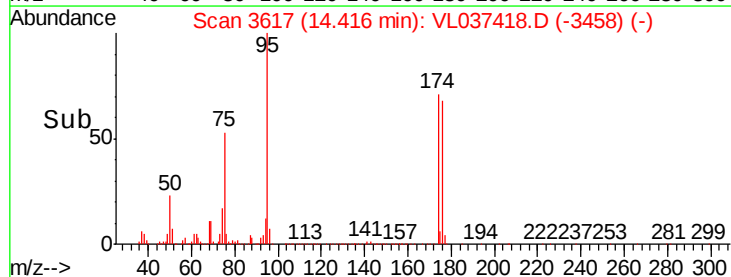
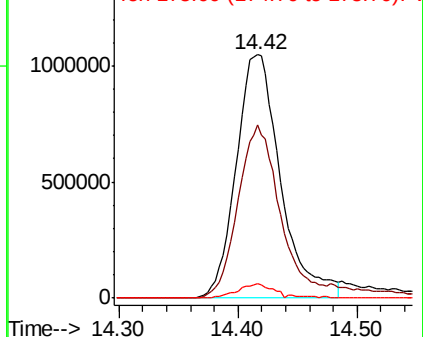
175 5.4 4.3 6.5

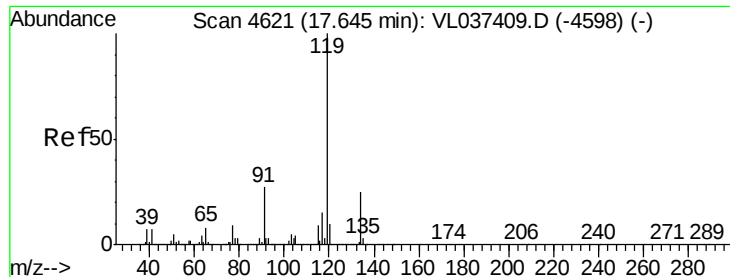


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

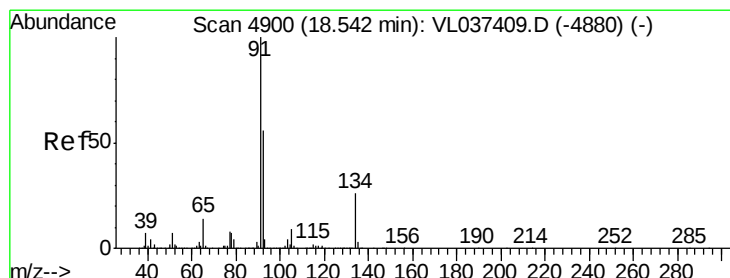
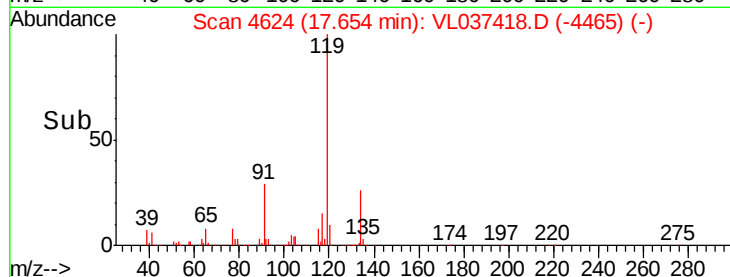
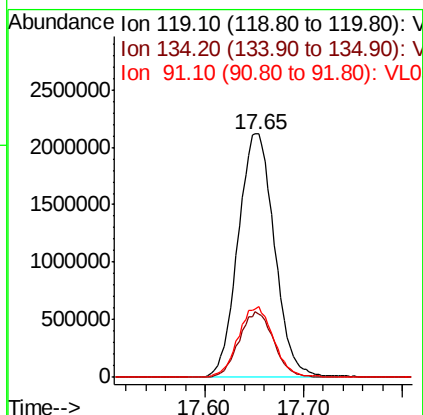
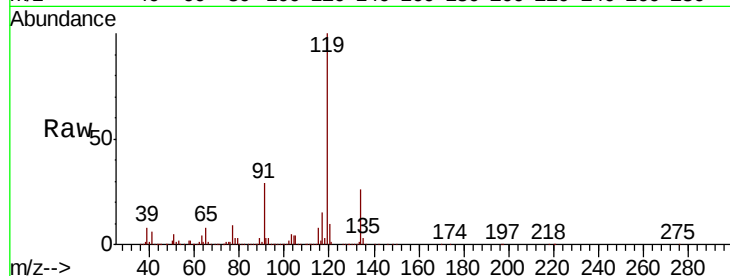




#69
 p-Isopropyltoluene
 Concen: 7.523 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

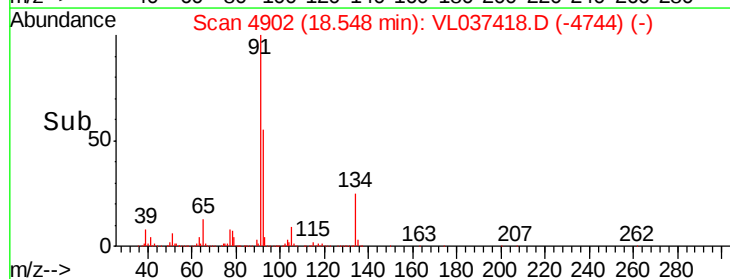
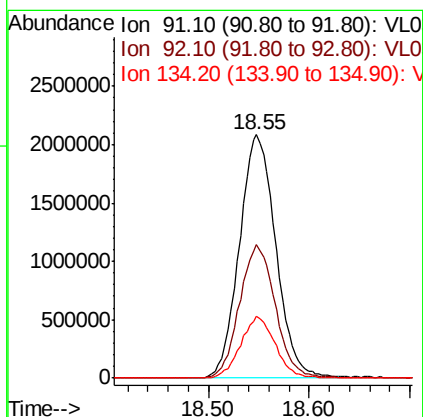
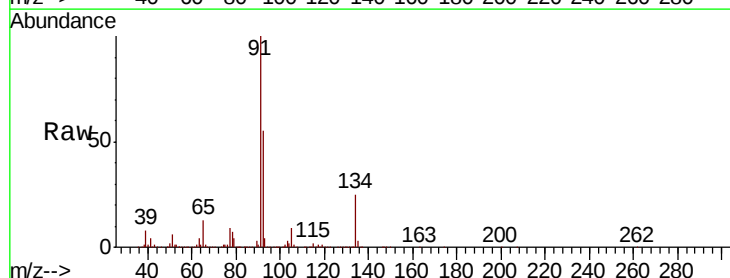
Instrument :
 MSVOA_L
 ClientSampled :

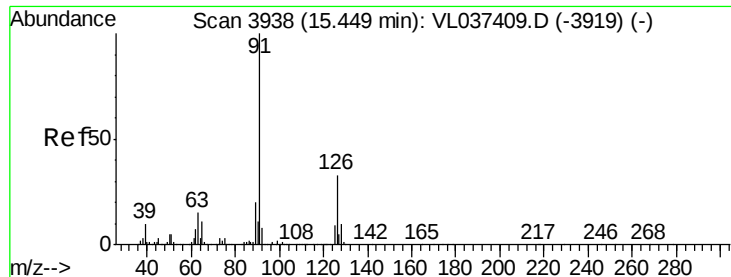
Tot Ion:119 Resp: 5404045
 Ion Ratio Lower Upper
 119 100
 134 25.8 20.6 31.0
 91 28.1 22.4 33.6



#70
 n-Butylbenzene
 Concen: 7.811 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Tgt Ion: 91 Resp: 5214788
 Ion Ratio Lower Upper
 91 100
 92 54.4 44.2 66.2
 134 24.1 19.5 29.3





#71

2-Chlorotoluene

Concen: 7.543 ppbv

RT: 15.45 min Scan# 3939

Delta R.T. 0.00 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

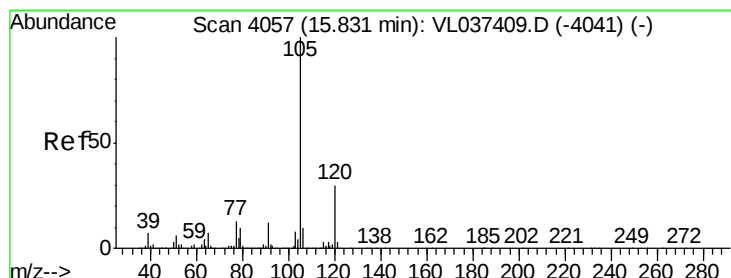
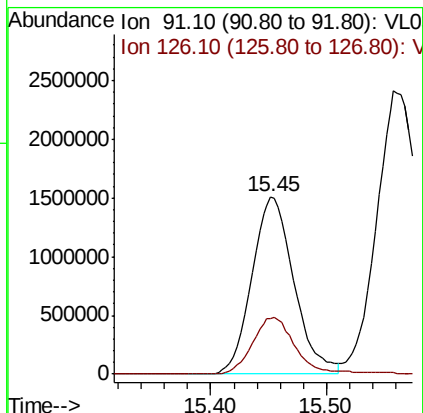
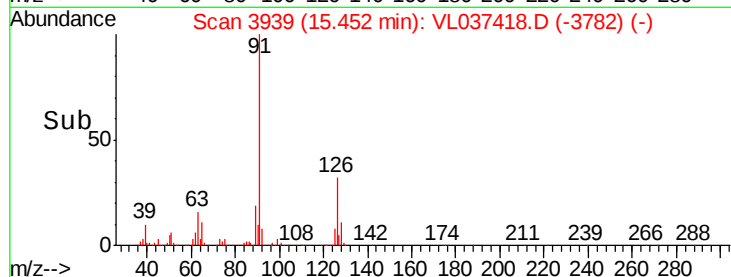
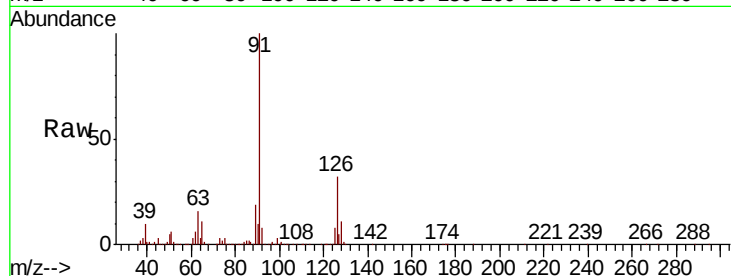
ClientSampleId :

Tot Ion: 91 Resp: 3805509

Ion Ratio Lower Upper

91 100

126 33.3 13.5 53.9



#72

4-Ethyltoluene

Concen: 7.693 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Tgt Ion:105 Resp: 4453815

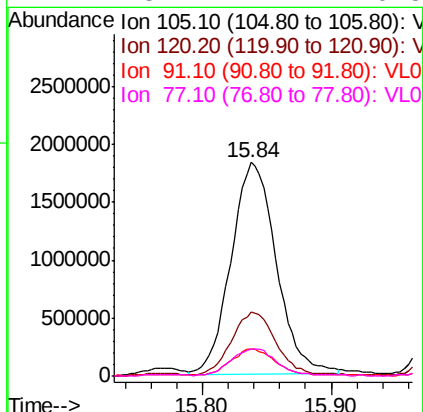
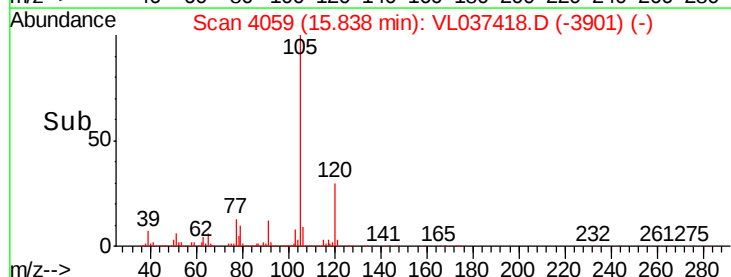
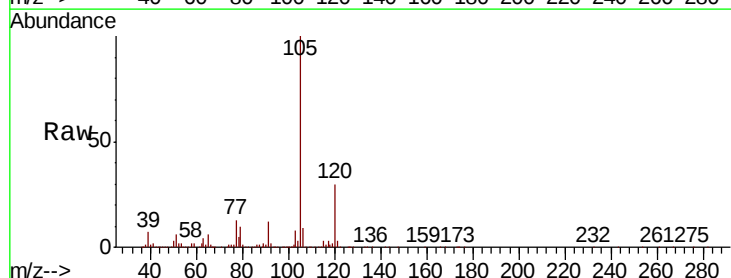
Ion Ratio Lower Upper

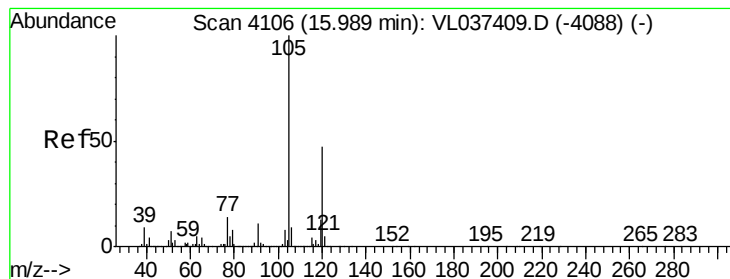
105 100

120 30.7 25.0 37.4

91 12.4 11.2 16.8

77 13.4 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 7.229 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

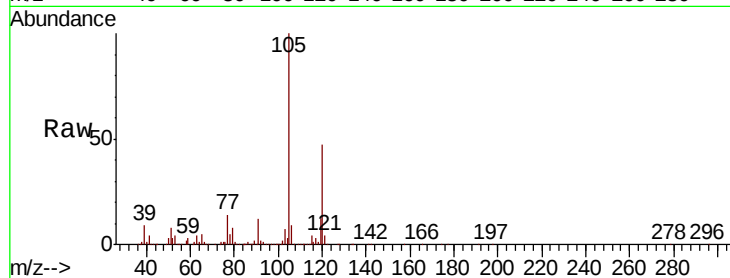
ClientSampleId :

Tot Ion:105 Resp: 3956495

Ion Ratio Lower Upper

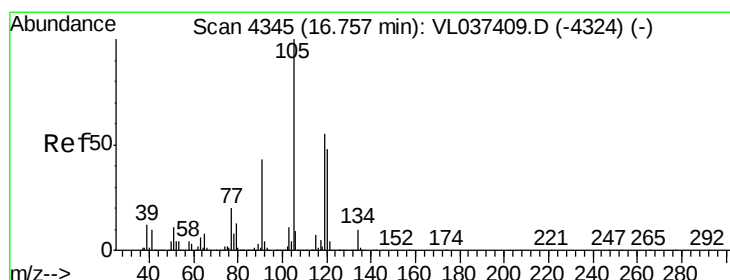
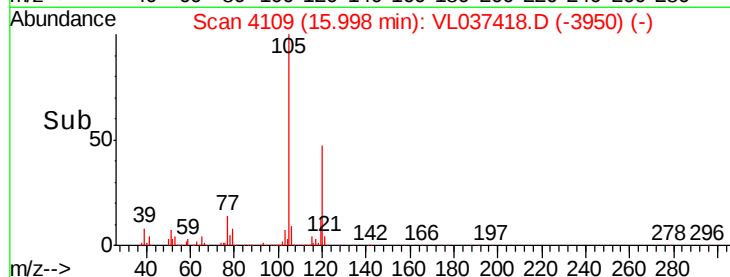
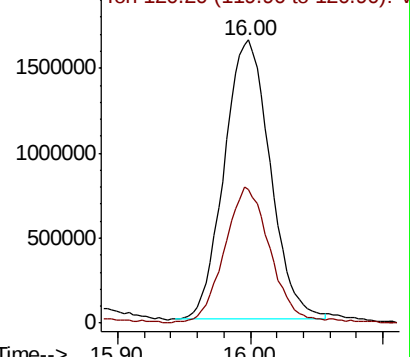
105 100

120 47.5 37.4 56.0



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: 7.512 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Tgt Ion:105 Resp: 4209383

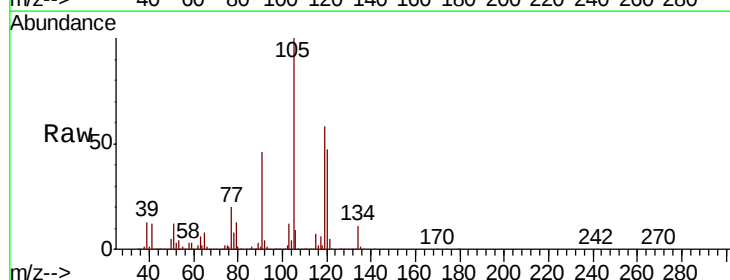
Ion Ratio Lower Upper

105 100

120 47.3 38.2 57.2

91 45.3 35.4 53.2

77 19.4 16.2 24.2

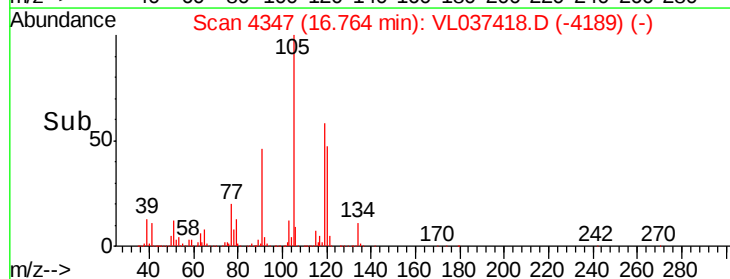
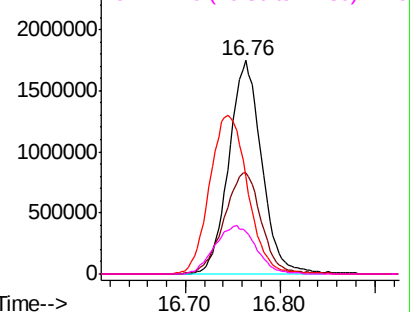


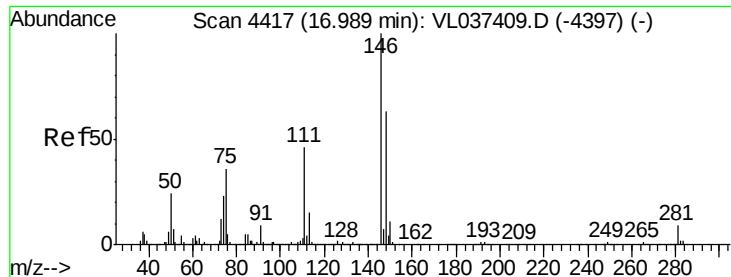
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 7.249 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampleId :

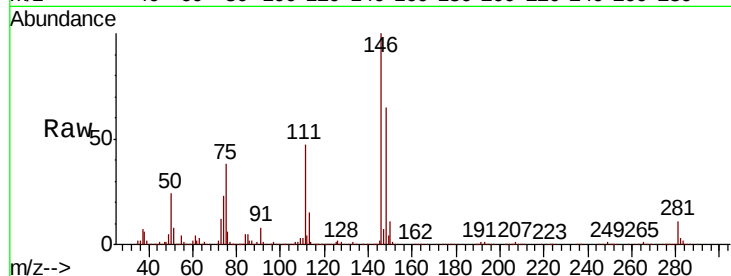
Tot Ion:146 Resp: 2485774

Ion Ratio Lower Upper

146 100

111 46.2 22.9 68.7

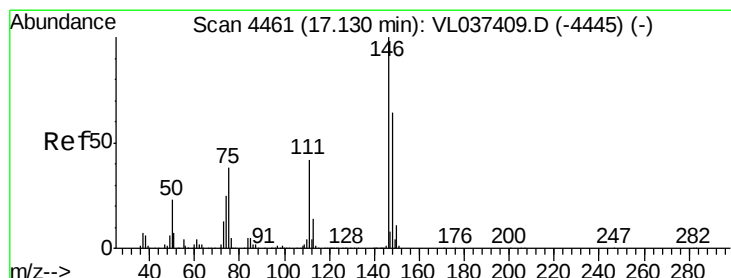
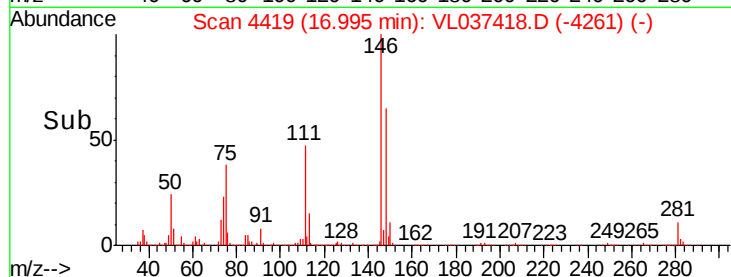
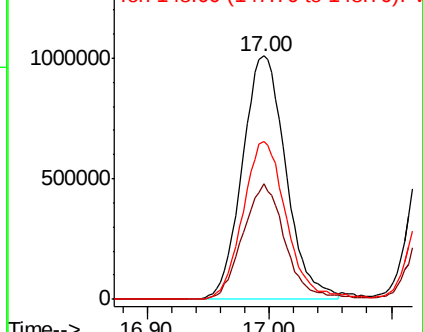
148 65.0 32.0 96.2



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: 7.092 ppbv

RT: 17.13 min Scan# 4462

Delta R.T. 0.00 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

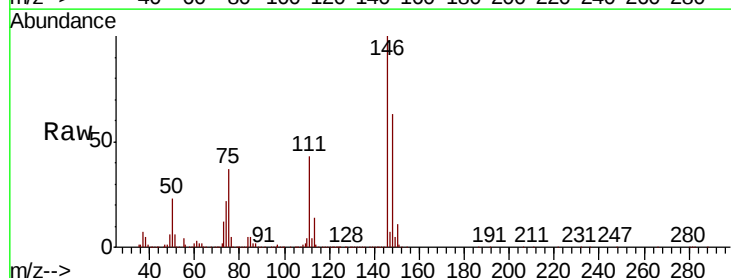
Tgt Ion:146 Resp: 2411297

Ion Ratio Lower Upper

146 100

111 45.7 22.8 68.4

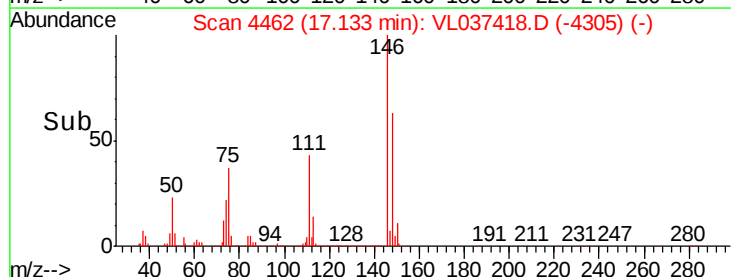
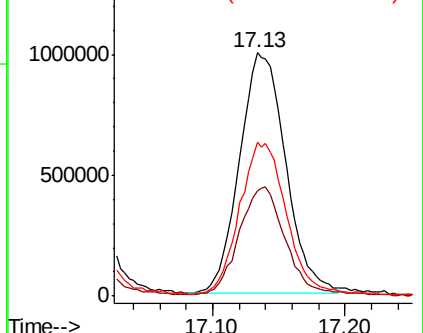
148 65.7 34.0 102.0

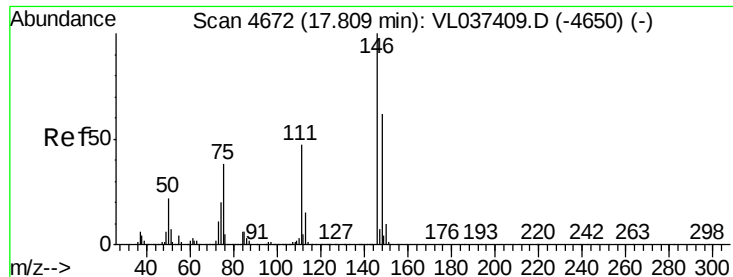


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

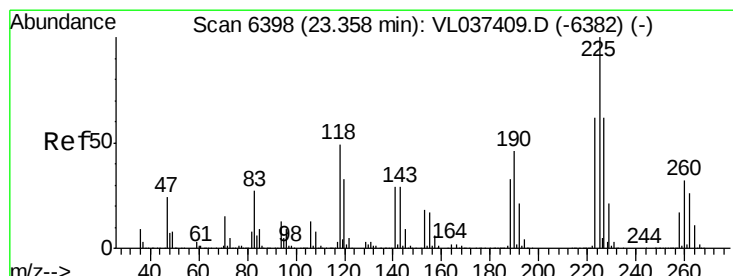
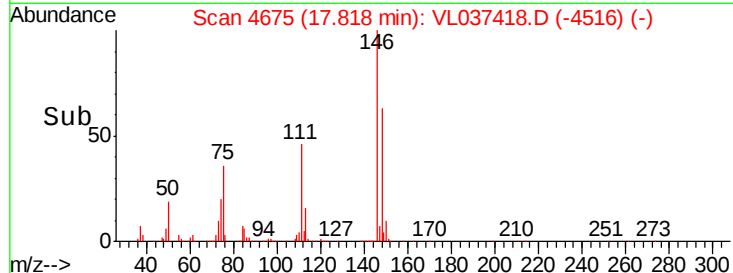
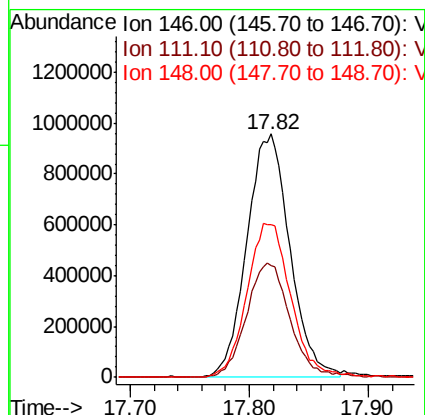
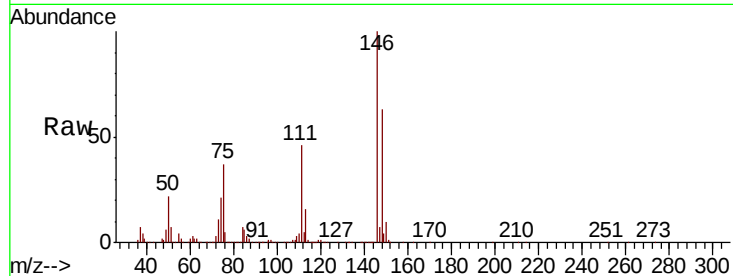




#77
 1,2-Dichlorobenzene
 Concen: 7.233 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

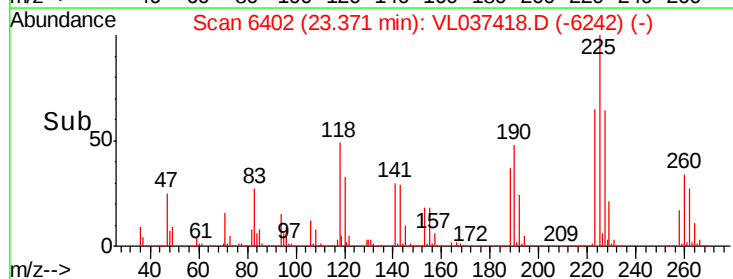
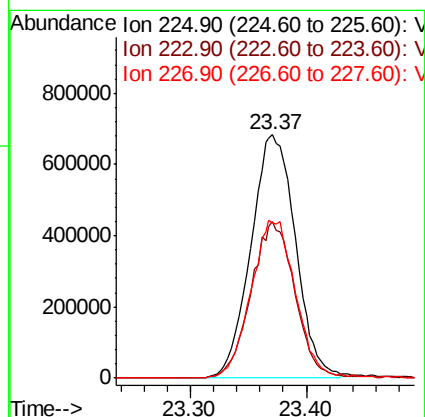
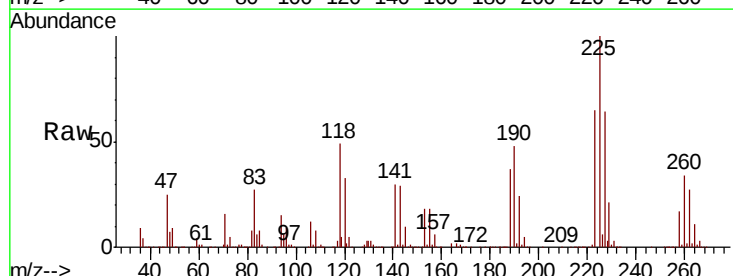
Instrument :
 MSVOA_L
 ClientSampled :

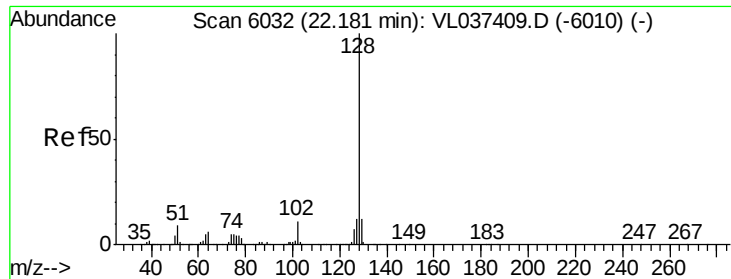
Tot Ion:146 Resp: 2386687
 Ion Ratio Lower Upper
 146 100
 111 47.8 23.8 71.5
 148 64.9 32.5 97.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.830 ppbv
 RT: 23.37 min Scan# 6402
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Tgt Ion:225 Resp: 1825467
 Ion Ratio Lower Upper
 225 100
 223 63.5 51.2 76.8
 227 65.3 52.2 78.4





#79

Naphthalene

Concen: 10.154 ppbv

RT: 22.20 min Scan# 6037

Delta R.T. 0.02 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

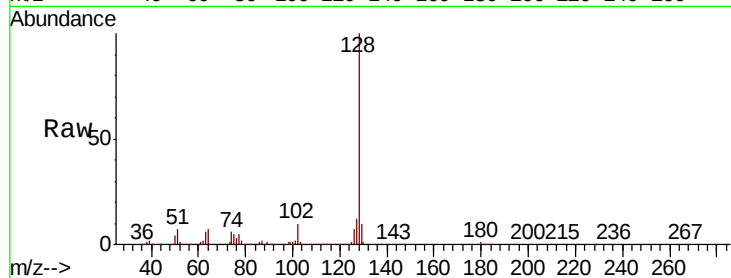
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 3092407

Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	10.5	9.4	14.0

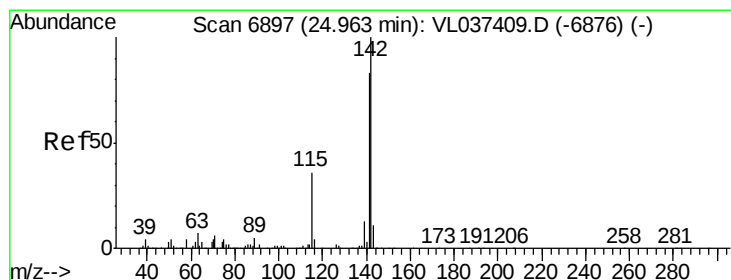
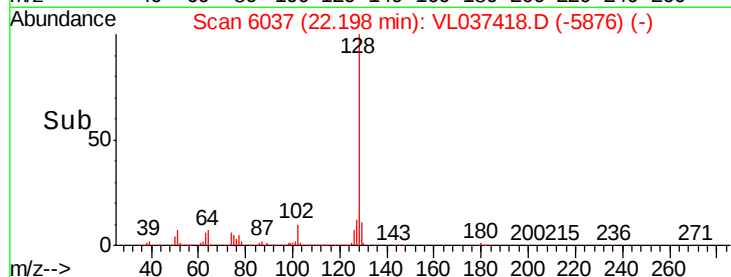
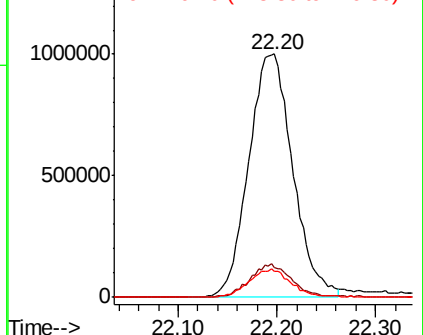


Abundance

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: 12.259 ppbv

RT: 24.97 min Scan# 6899

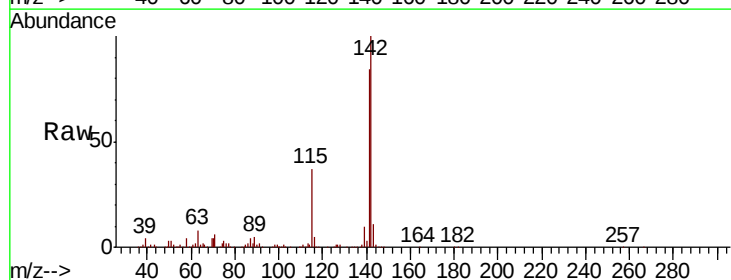
Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Tgt Ion:142 Resp: 788562

Ion	Ratio	Lower	Upper
142	100		
141	85.5	68.7	103.1
115	34.6	32.7	49.1

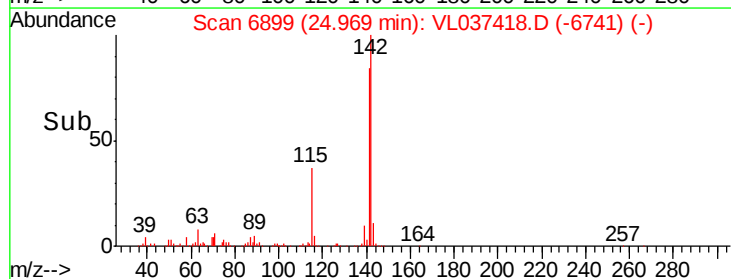
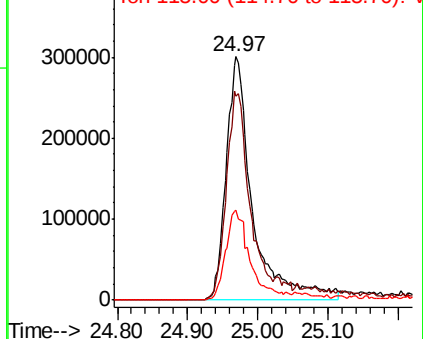


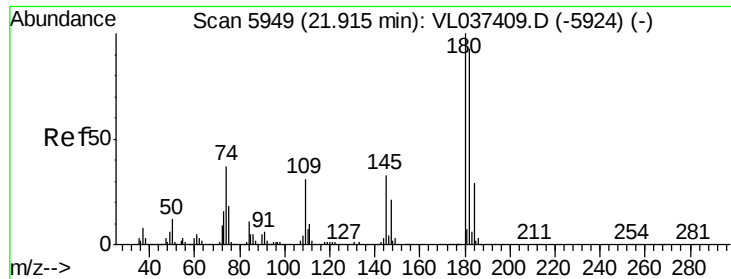
Abundance

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

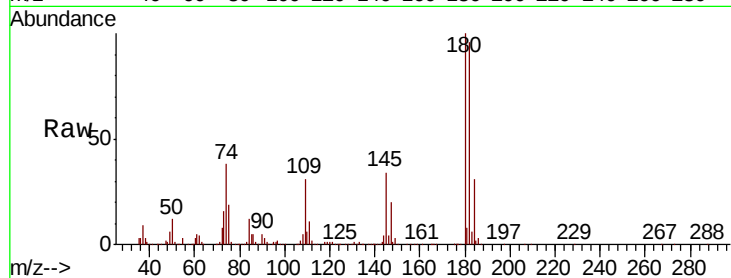




#81
 1,2,4-Trichlorobenzene
 Concen: 8.940 ppbv
 RT: 21.92 min Scan# 5951
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1849918
 Ion Ratio Lower Upper
 180 100
 182 99.8 78.6 118.0
 184 31.3 24.6 36.8



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

