

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081821\
 Data File : VL037491.D
 Acq On : 18 Aug 2021 14:50
 Operator : SY/AP
 Sample : M2940-15 0.45
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 19 01:42:26 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	5.66	49	1344613	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4159564	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3526680	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2550665	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	109936	0.510	ppbv 99
3) Chlorodifluoromethane	2.98	51	136927	0.532	ppbv 97
4) Chloromethane	3.13	50	44807	0.487	ppbv 99
5) Vinyl Chloride	3.25	62	23369	0.248	ppbv # 88
6) Bromomethane	3.47	94	11226	0.217	ppbv 89
7) Chloroethane	3.55	64	16769	0.521	ppbv # 66
8) Dichlorotetrafluoroethane	3.18	85	117464	0.527	ppbv 100
9) Propene	3.01	41	25277	0.274	ppbv # 49
10) Heptane	8.11	43	87142	0.411	ppbv 92
11) Trichlorofluoromethane	3.94	101	100158	0.495	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	78373	0.527	ppbv 99
13) Ethanol	3.61	45	1035	0.115	ppbv # 39
14) Bromoethene	3.74	108	22251	0.330	ppbv # 40
15) Acetone	3.86	43	67310	0.492	ppbv # 42
16) 1,3-Butadiene	3.33	39	19578	0.223	ppbv # 1
17) tert-Butyl alcohol	4.31	59	18929	0.151	ppbv # 72
18) 1,1-Dichloroethene	4.28	96	29685	0.440	ppbv 79
19) Isopropyl Alcohol	3.99	45	20393	0.260	ppbv # 57
20) Methylene Chloride	4.34	84	35309	0.515	ppbv # 85
21) Allyl Chloride	4.40	41	40303	0.363	ppbv # 68
22) trans-1,2-Dichloroethene	4.88	96	7489	0.111	ppbv 92
23) Vinyl Acetate	5.08	43	82979	0.411	ppbv # 96
24) 1,1-Dichloroethane	5.01	63	42411	0.290	ppbv 98
25) Ethyl Acetate	5.68	43	156532	0.451	ppbv # 94
26) Hexane	5.68	57	46076	0.271	ppbv # 1
27) Carbon Disulfide	4.55	76	50586	0.334	ppbv # 87
28) Methyl tert-Butyl Ether	5.04	73	60949	0.374	ppbv # 74
29) Chloroform	5.74	83	118330	0.492	ppbv 87
30) Cyclohexane	7.12	84	25248	0.178	ppbv # 1
31) cis-1,2-Dichloroethene	5.54	61	60254	0.392	ppbv 94
32) 1,1,1-Trichloroethane	6.50	97	114533	0.484	ppbv 96
35) Carbon Tetrachloride	7.01	117	71588	0.291	ppbv 92
36) Benzene	6.88	78	147603	0.422	ppbv # 89
37) 1,2-Dichloroethane	6.29	62	76263	0.440	ppbv # 94
39) 1,2-Dichloropropane	7.60	63	26762	0.199	ppbv 88
42) Bromodichloromethane	7.78	83	94092	0.372	ppbv 87
43) Methyl Methacrylate	8.01	69	15526	0.127	ppbv # 1
44) 2,2,4-Trimethylpentane	7.85	57	142052	0.241	ppbv # 47
45) t-1,3-Dichloropropene	9.26	75	7141	0.078	ppbv 95
46) cis-1,3-Dichloropropene	8.69	75	23559	0.184	ppbv # 61
47) 1,1,2-Trichloroethane	9.47	97	35303	0.243	ppbv 89

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

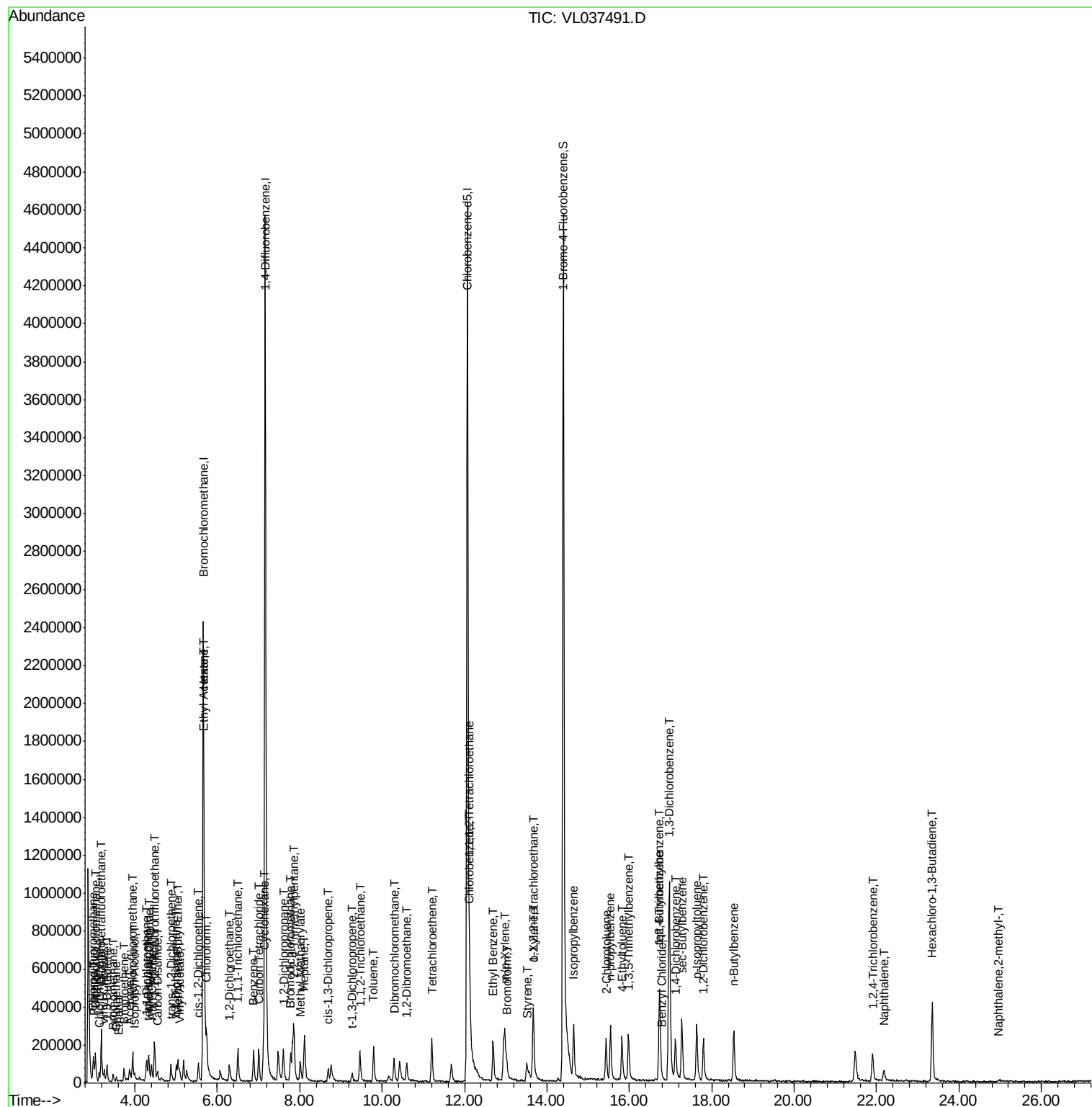
48) Dibromochloromethane	10.28	129	75433	0.361	ppbv	93
49) Bromoform	13.04	173	4957	0.030	ppbv #	25
52) Tetrachloroethene	11.21	164	6308	0.044	ppbv #	12
53) Toluene	9.79	91	108335	0.271	ppbv #	69
54) 1,2-Dibromoethane	10.59	107	80775	0.399	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	8046	0.055	ppbv #	1
57) Chlorobenzene	12.13	112	141198	0.482	ppbv #	89
58) Ethyl Benzene	12.69	91	186696	0.381	ppbv	91
59) m/p-Xylene	12.98	91	187817	0.443	ppbv #	39
60) o-Xylene	13.68	91	170543	0.431	ppbv	97
61) Styrene	13.51	104	59884	0.291	ppbv	90
62) Isopropylbenzene	14.65	105	257330	0.460	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	84770	0.288	ppbv #	41
64) n-propylbenzene	15.54	120	35798	0.252	ppbv	90
65) tert-Butylbenzene	16.73	119	223156	0.438	ppbv	93
66) Benzyl Chloride	16.79	91	1952	0.085	ppbv #	64
67) sec-Butylbenzene	17.28	105	315238	0.443	ppbv	98
69) p-Isopropyltoluene	17.64	119	239642	0.413	ppbv	96
70) n-Butylbenzene	18.53	91	227933	0.412	ppbv	97
71) 2-Chlorotoluene	15.44	91	81981	0.200	ppbv #	29
72) 4-Ethyltoluene	15.82	105	187922	0.399	ppbv #	97
73) 1,3,5-Trimethylbenzene	15.98	105	181424	0.414	ppbv	91
74) 1,2,4-Trimethylbenzene	16.74	105	207785	0.446	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	128954	0.460	ppbv	93
76) 1,4-Dichlorobenzene	17.12	146	114760	0.406	ppbv	87
77) 1,2-Dichlorobenzene	17.80	146	80823	0.293	ppbv #	52
78) Hexachloro-1,3-Butadiene	23.36	225	108478	0.472	ppbv	93
79) Naphthalene	22.17	128	33594	0.108	ppbv	98
80) Naphthalene, 2-methyl-	24.95	142	3509	0.040	ppbv #	35
81) 1,2,4-Trichlorobenzene	21.90	180	12987	0.066	ppbv #	1

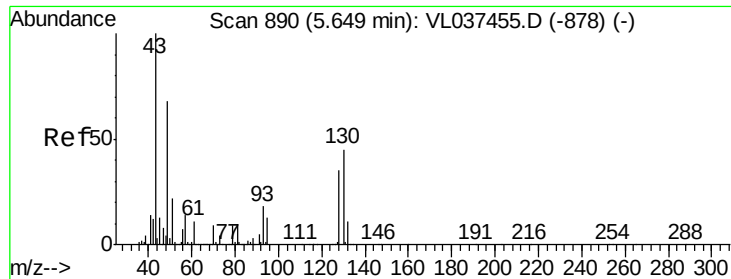
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampleId :

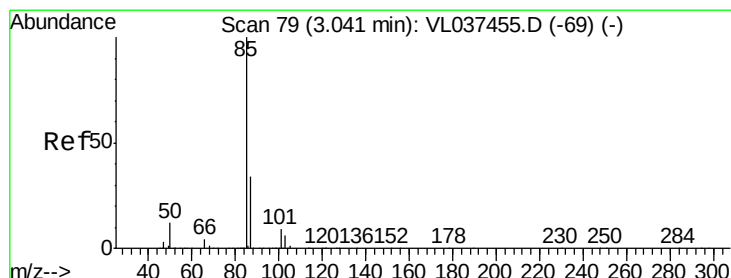
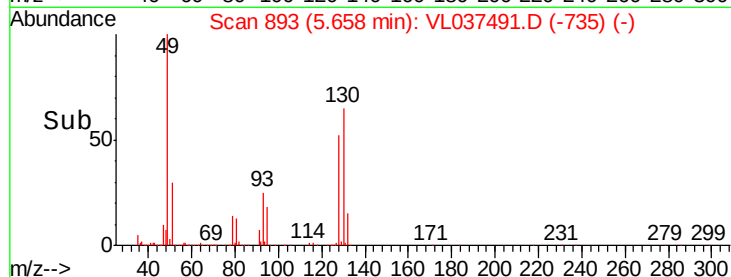
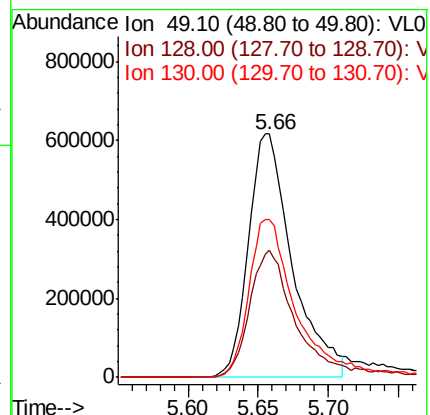
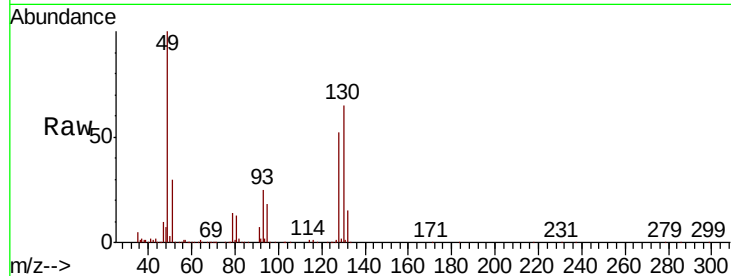
Tot Ion: 49 Resp: 1344613

Ion Ratio Lower Upper

49 100

128 56.7 27.5 82.4

130 73.4 34.0 101.8



#2

Dichlorodifluoromethane

Concen: 0.510 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL037491.D

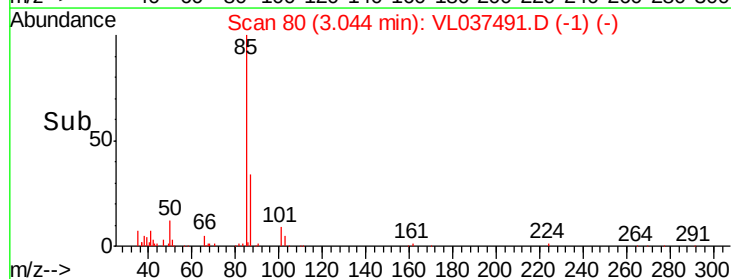
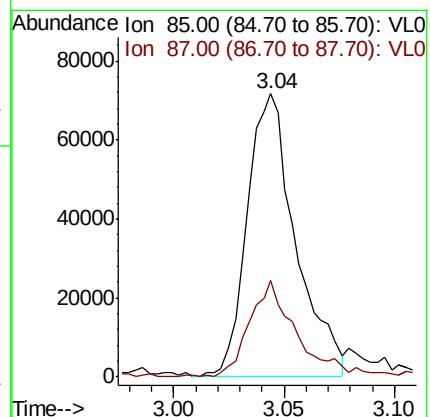
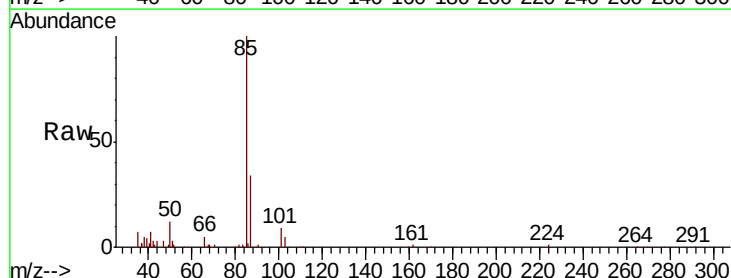
Acq: 18 Aug 2021 14:50

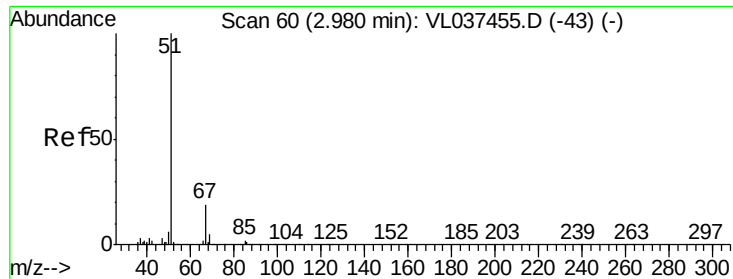
Tgt Ion: 85 Resp: 109936

Ion Ratio Lower Upper

85 100

87 33.6 27.6 41.4

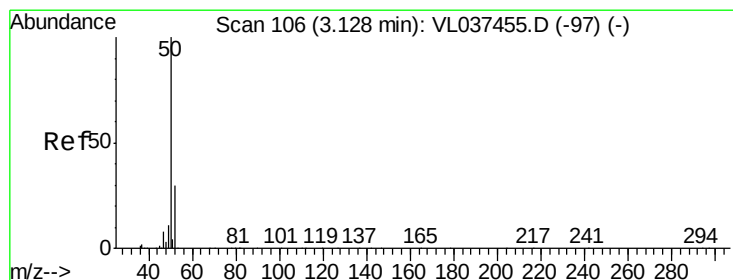
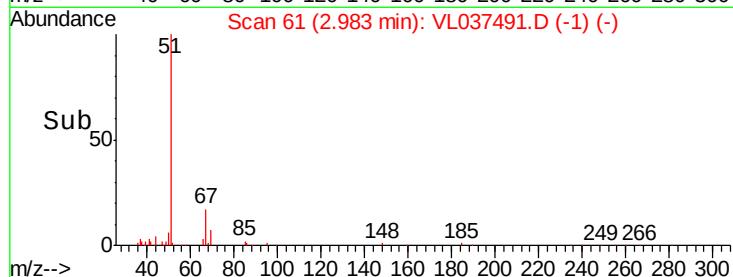
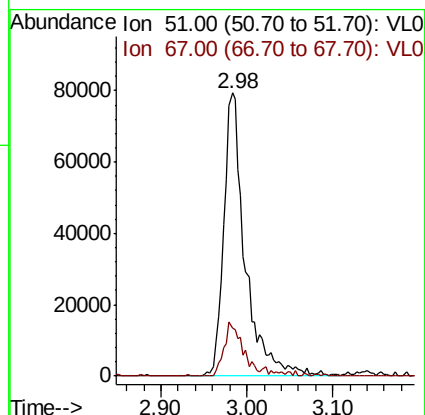
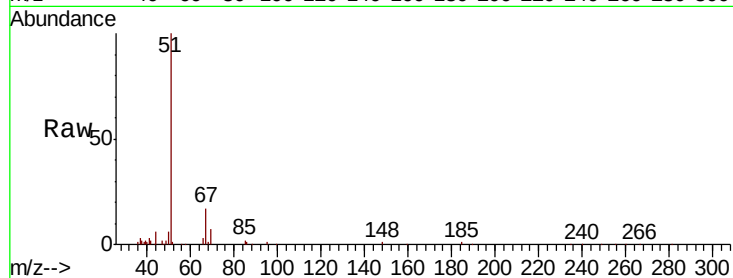




#3
 Chlorodifluoromethane
 Concen: 0.532 ppbv
 RT: 2.98 min Scan# 61
 Delta R.T. 0.00 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

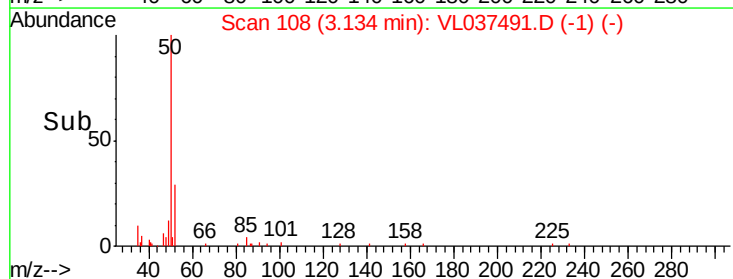
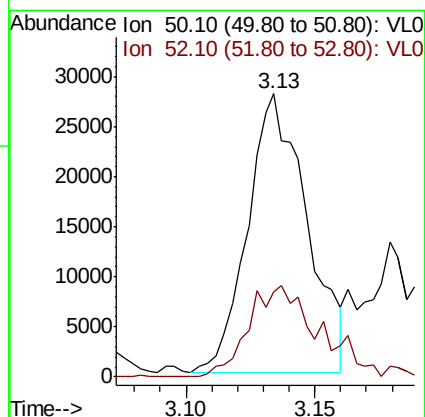
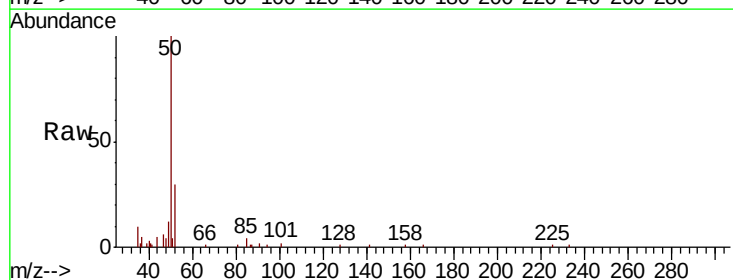
Instrument :
 MSVOA_L
 ClientSampleId :

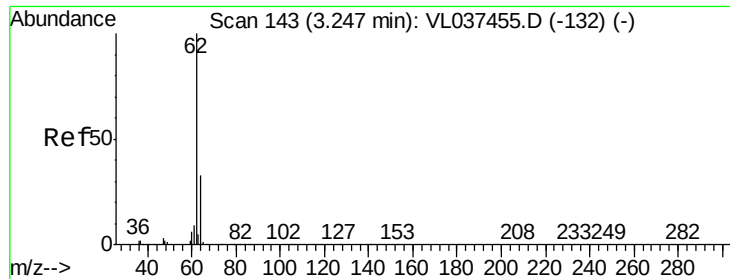
Tot Ion: 51 Resp: 136927
 Ion Ratio Lower Upper
 51 100
 67 18.9 14.2 21.2



#4
 Chloromethane
 Concen: 0.487 ppbv
 RT: 3.13 min Scan# 108
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Tgt Ion: 50 Resp: 44807
 Ion Ratio Lower Upper
 50 100
 52 30.7 24.0 36.0





#5

Vinyl Chloride

Concen: 0.248 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

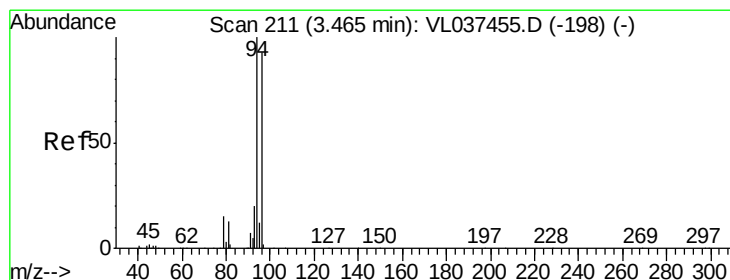
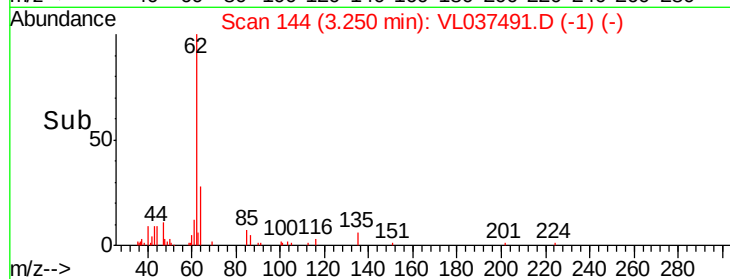
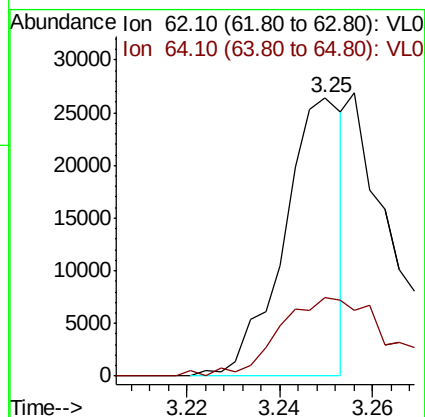
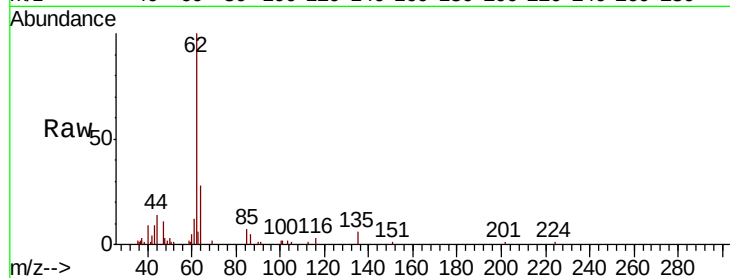
ClientSampleId :

Tot Ion: 62 Resp: 23369

Ion Ratio Lower Upper

62 100

64 26.4 26.5 39.7#



#6

Bromomethane

Concen: 0.217 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.01 min

Lab File: VL037491.D

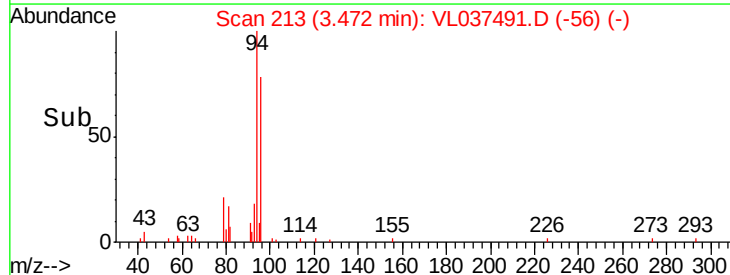
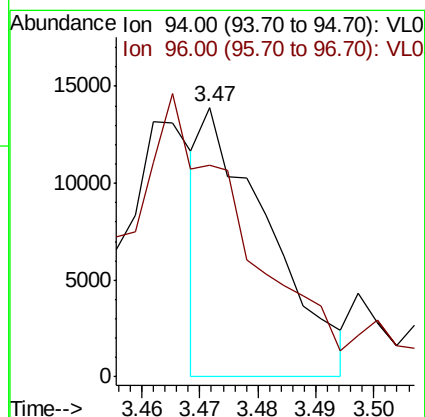
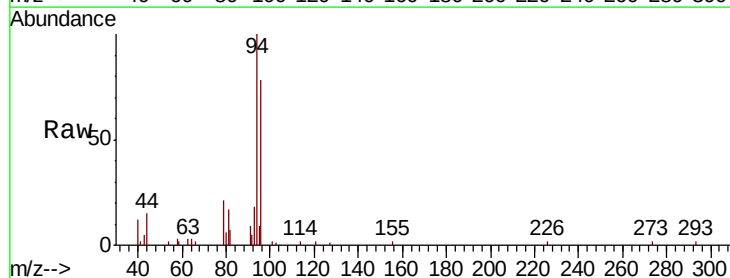
Acq: 18 Aug 2021 14:50

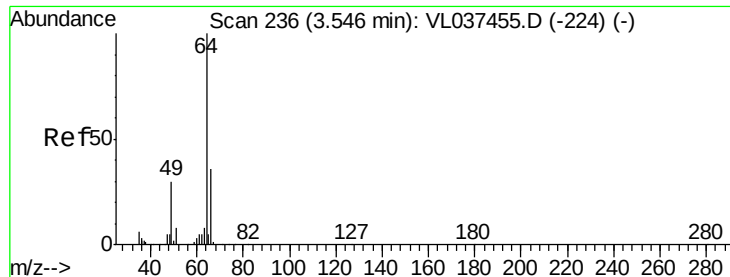
Tgt Ion: 94 Resp: 11226

Ion Ratio Lower Upper

94 100

96 82.9 74.5 111.7





#7

Chloroethane

Concen: 0.521 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

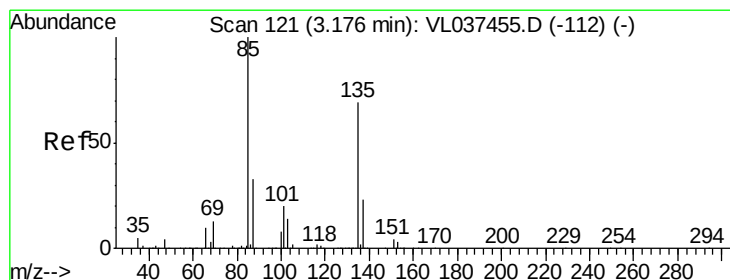
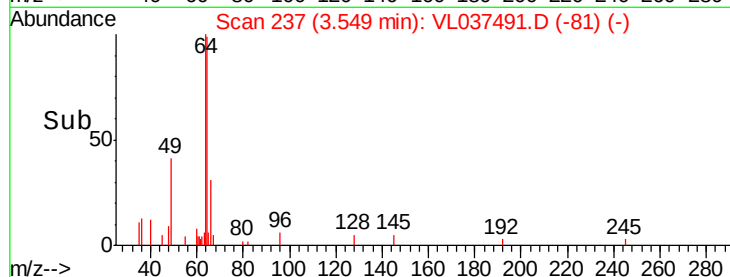
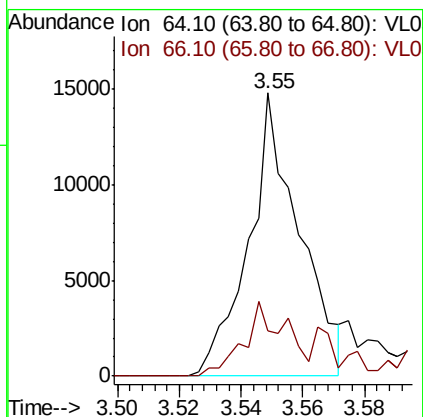
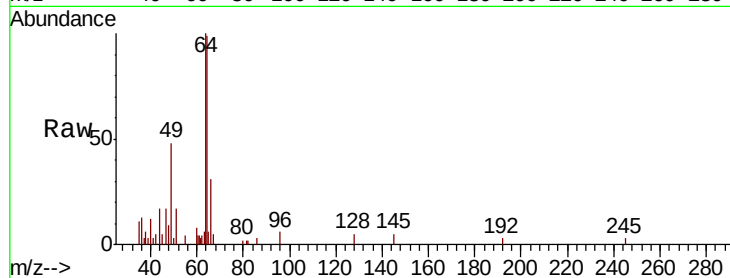
ClientSampleId :

Tot Ion: 64 Resp: 16769

Ion Ratio Lower Upper

64 100

66 15.8 28.6 43.0#



#8

Dichlorotetrafluoroethane

Concen: 0.527 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037491.D

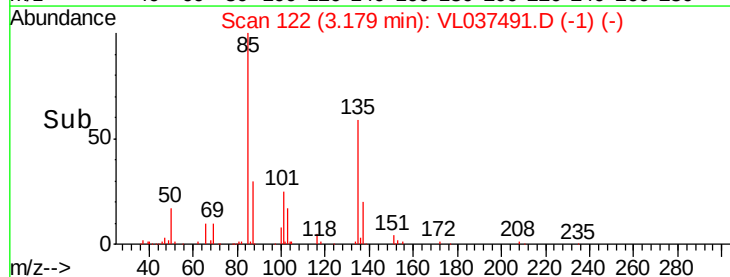
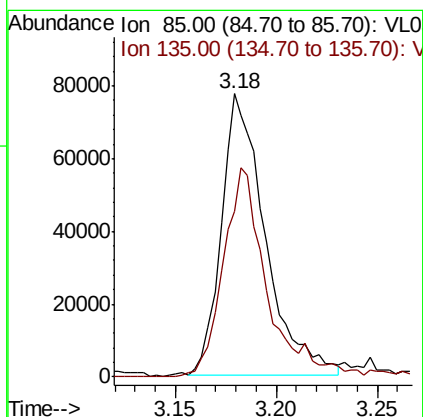
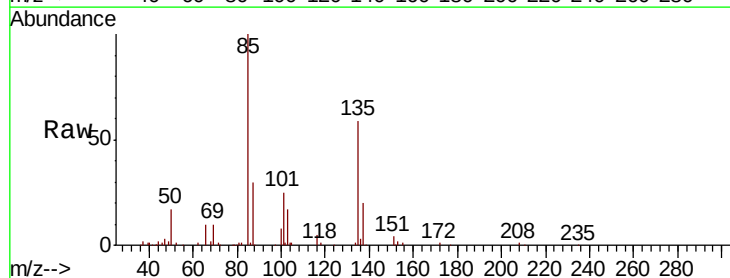
Acq: 18 Aug 2021 14:50

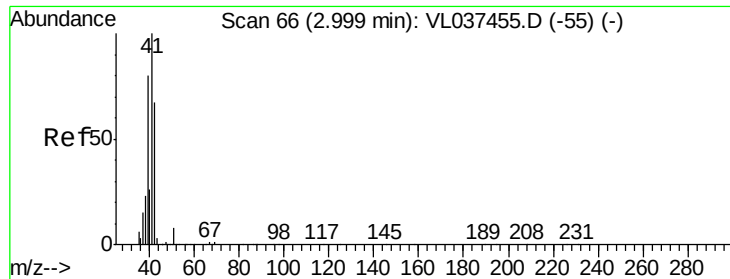
Tgt Ion: 85 Resp: 117464

Ion Ratio Lower Upper

85 100

135 73.6 58.8 88.2





#9

Propene

Concen: 0.274 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

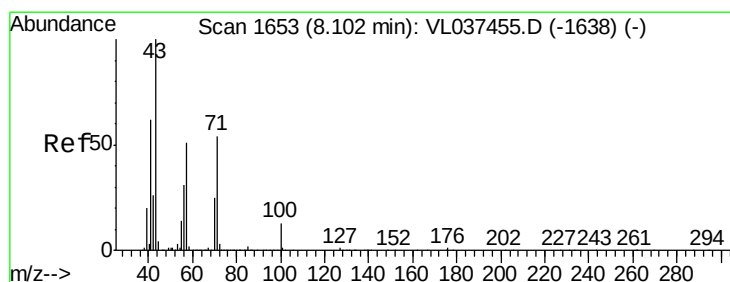
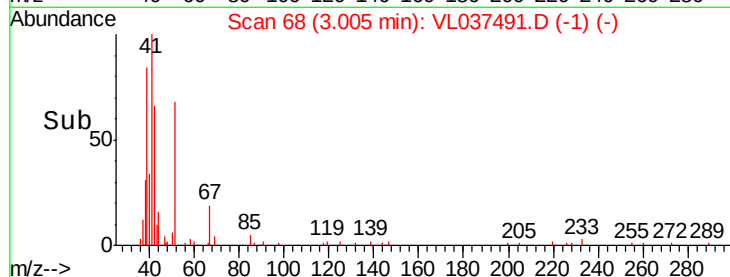
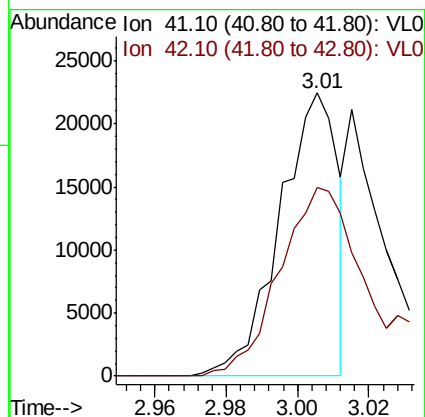
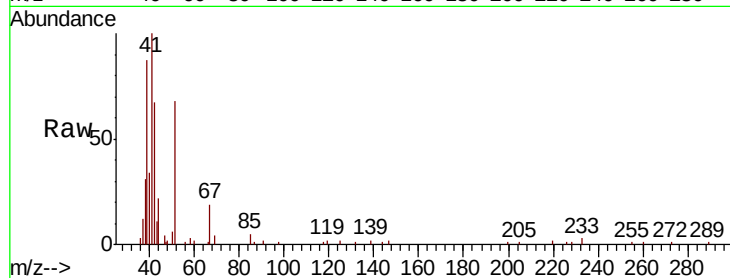
ClientSampleId :

Tot Ion: 41 Resp: 25277

Ion Ratio Lower Upper

41 100

42 108.3 53.7 80.5#



#10

Heptane

Concen: 0.411 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. 0.01 min

Lab File: VL037491.D

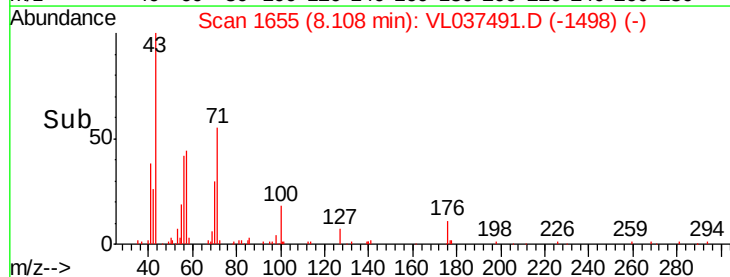
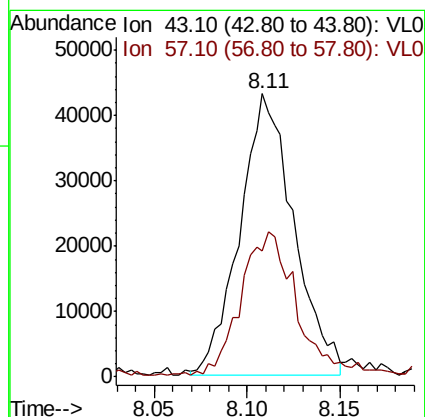
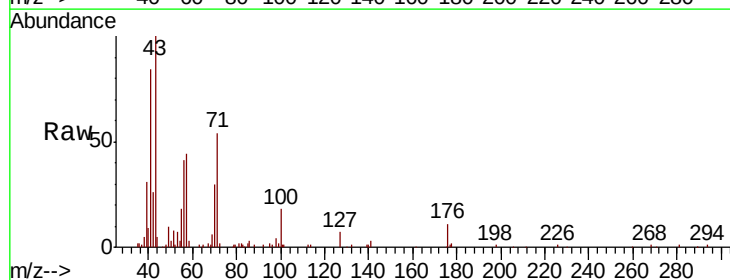
Acq: 18 Aug 2021 14:50

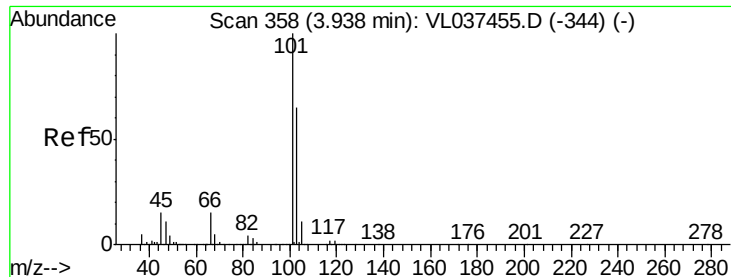
Tgt Ion: 43 Resp: 87142

Ion Ratio Lower Upper

43 100

57 57.1 41.0 61.6





#11

Trichlorofluoromethane

Concen: 0.495 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

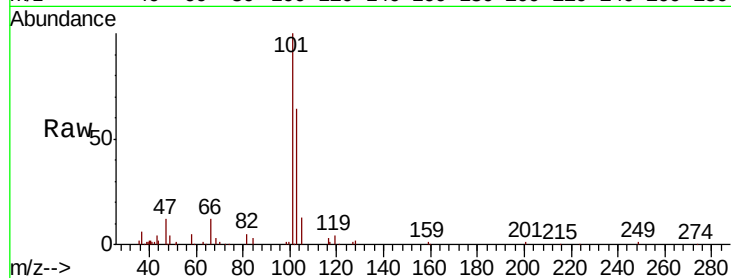
ClientSampleId :

Tot Ion:101 Resp: 100158

Ion Ratio Lower Upper

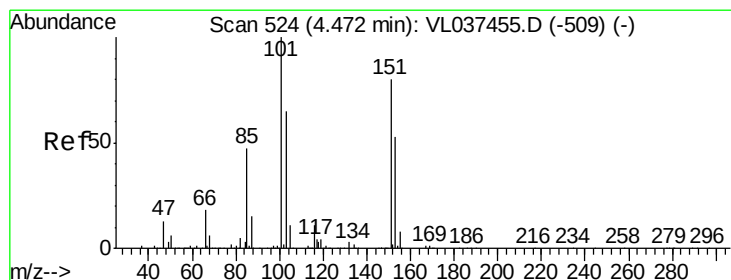
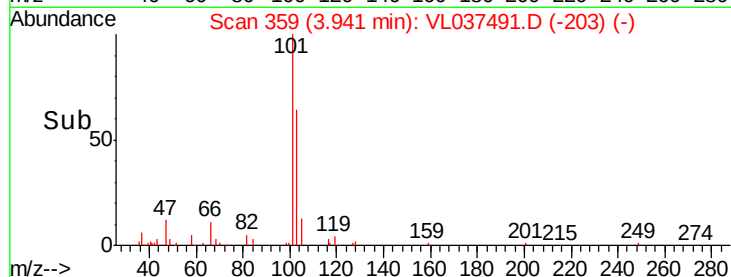
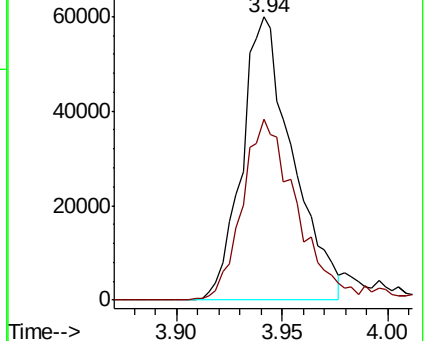
101 100

103 64.1 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: 0.527 ppbv

RT: 4.48 min Scan# 526

Delta R.T. 0.01 min

Lab File: VL037491.D

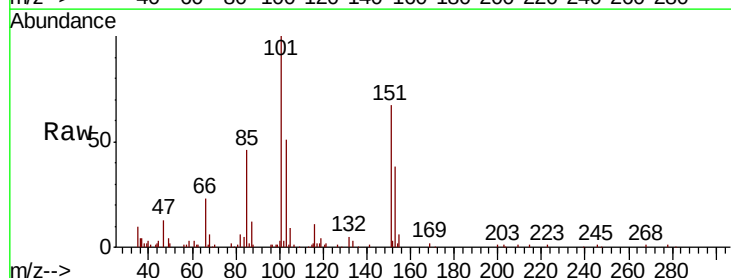
Acq: 18 Aug 2021 14:50

Tgt Ion:101 Resp: 78373

Ion Ratio Lower Upper

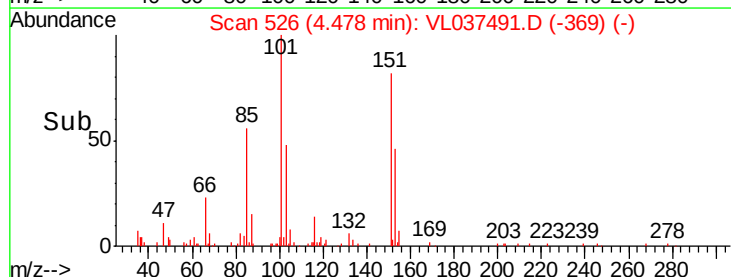
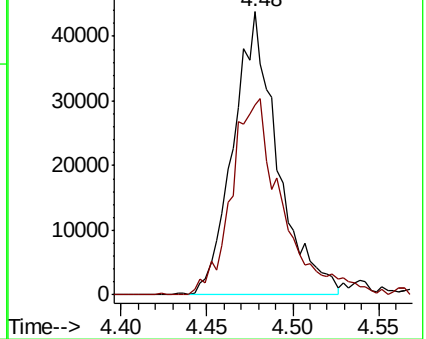
101 100

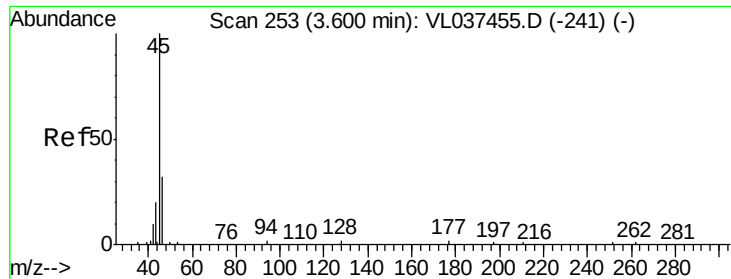
151 80.3 63.7 95.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

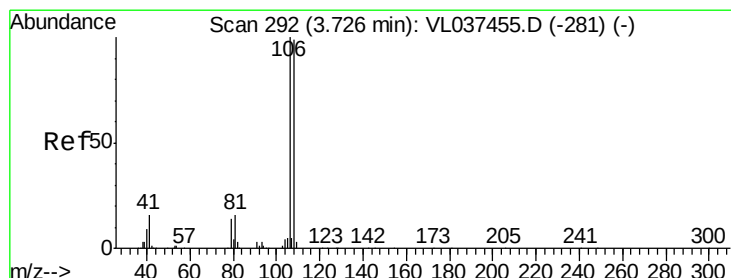
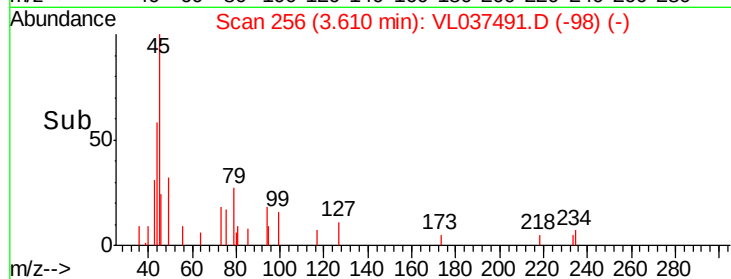
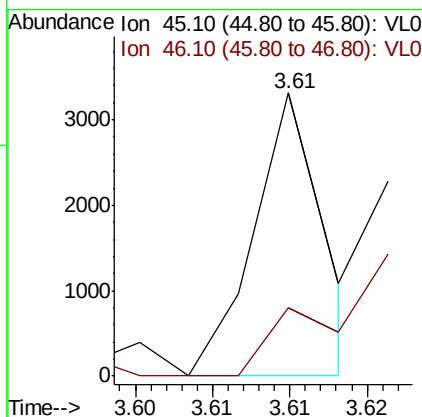
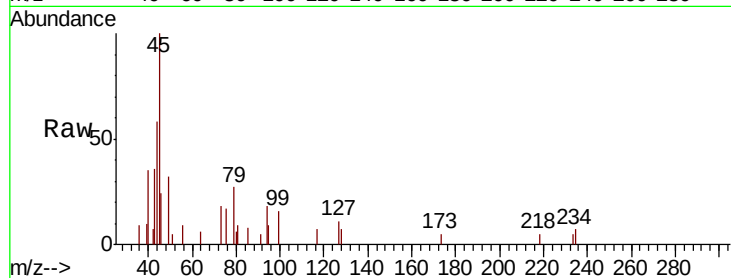




#13
 Ethanol
 Concen: 0.115 ppbv
 RT: 3.61 min Scan# 256
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

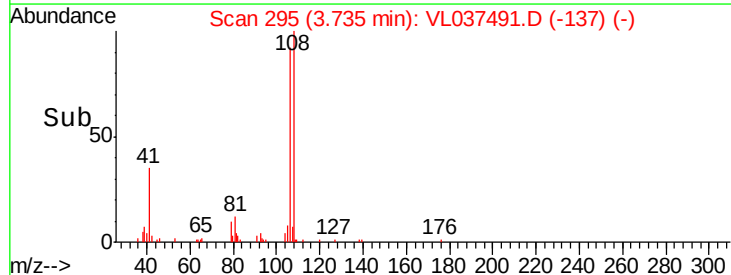
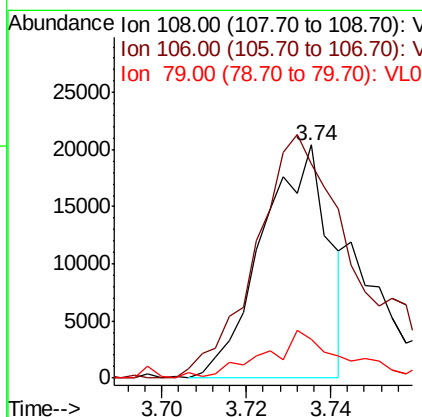
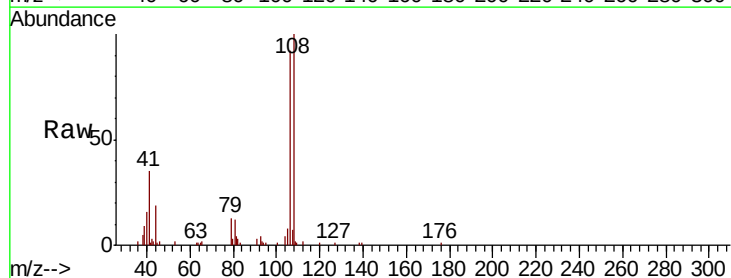
Instrument :
 MSVOA_L
 ClientSampled :

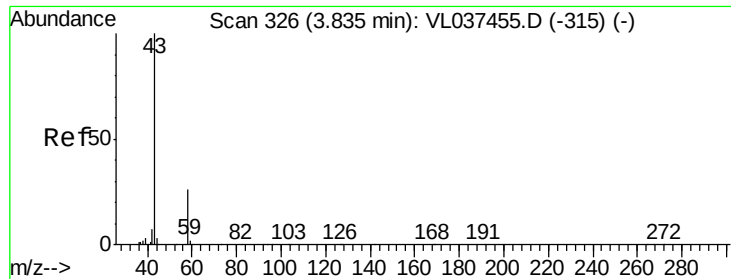
Tot Ion: 45 Resp: 1035
 Ion Ratio Lower Upper
 45 100
 46 0.0 14.1 56.5#



#14
 Bromoethene
 Concen: 0.330 ppbv
 RT: 3.74 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Tgt Ion: 108 Resp: 22251
 Ion Ratio Lower Upper
 108 100
 106 173.6 85.8 128.8#
 79 31.9 12.6 18.8#

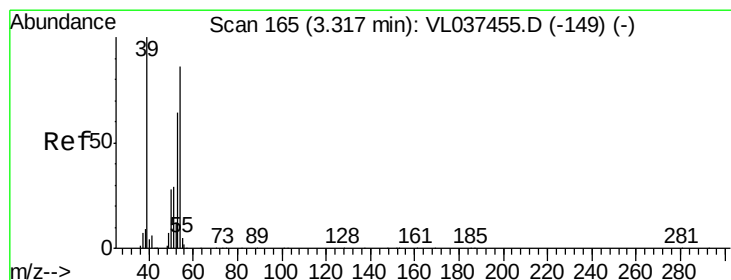
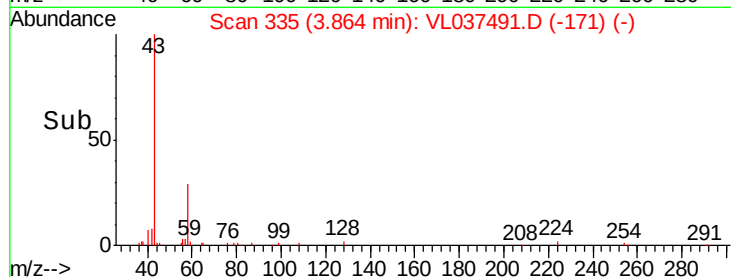
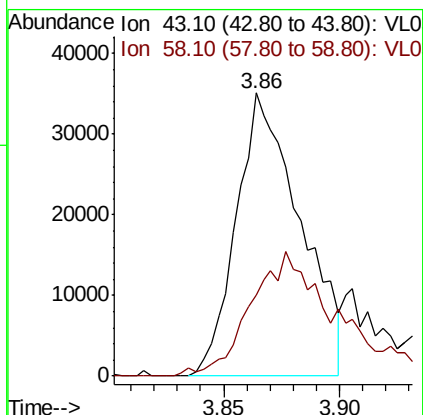
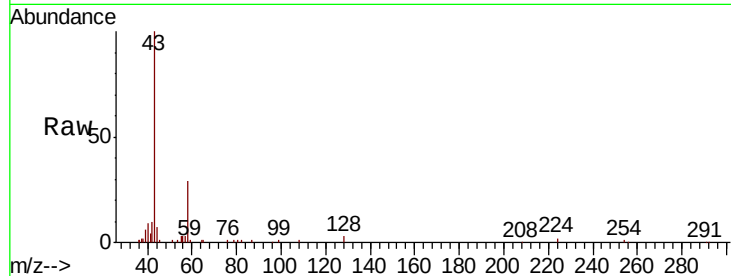




#15
Acetone
Concen: 0.492 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.03 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

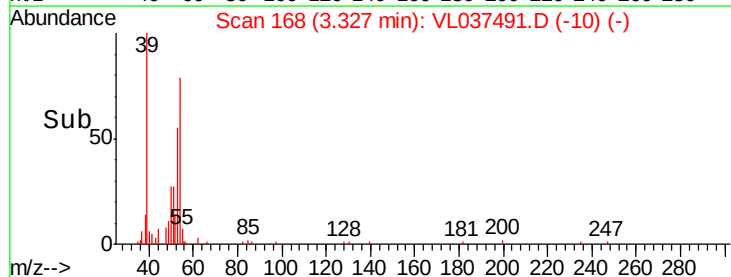
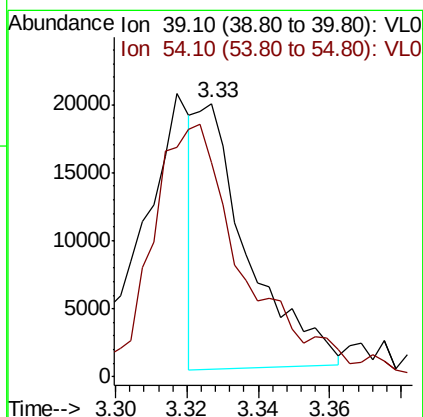
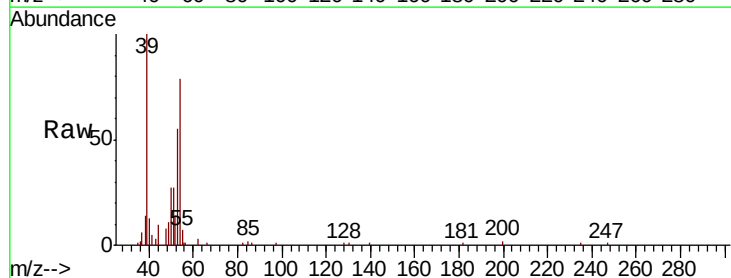
Instrument :
MSVOA_L
ClientSampleId :

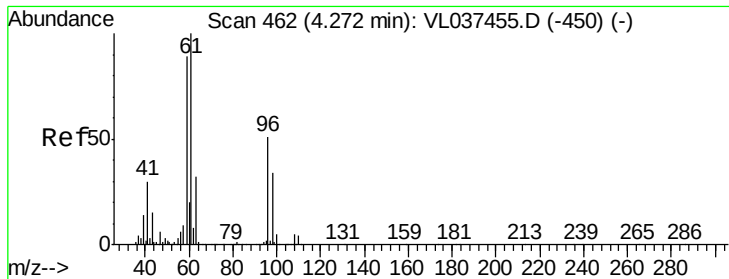
Tot Ion: 43 Resp: 67310
Ion Ratio Lower Upper
43 100
58 62.8 24.8 37.2#



#16
1,3-Butadiene
Concen: 0.223 ppbv
RT: 3.33 min Scan# 168
Delta R.T. 0.01 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Tgt Ion: 39 Resp: 19578
Ion Ratio Lower Upper
39 100
54 176.8 63.7 95.5#



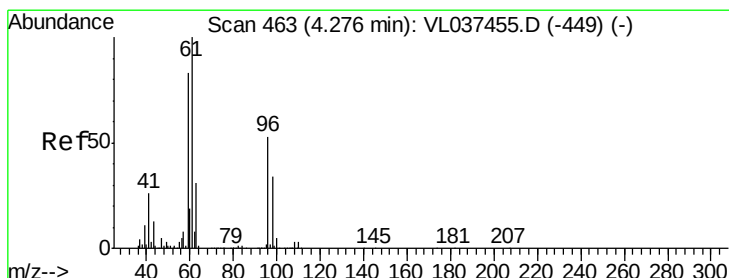
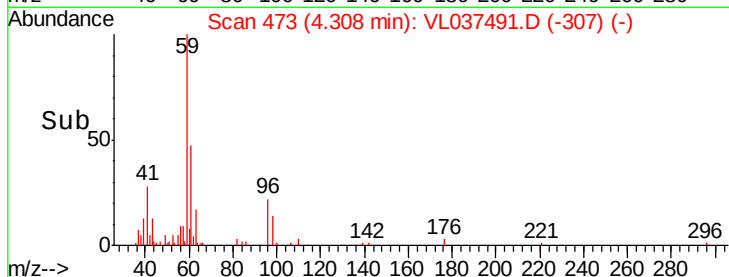
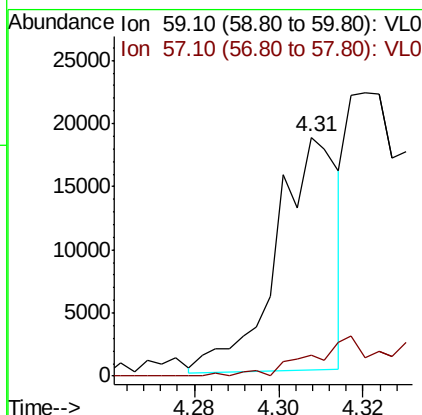
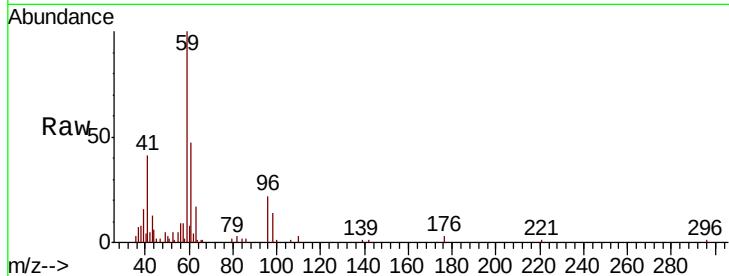


#17

tert-Butyl alcohol
Concen: 0.151 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.04 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Instrument :
MSVOA_L
ClientSampled :

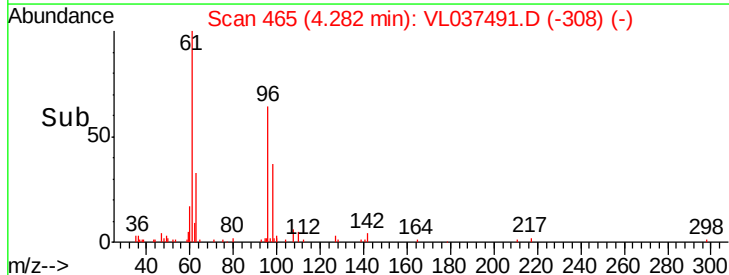
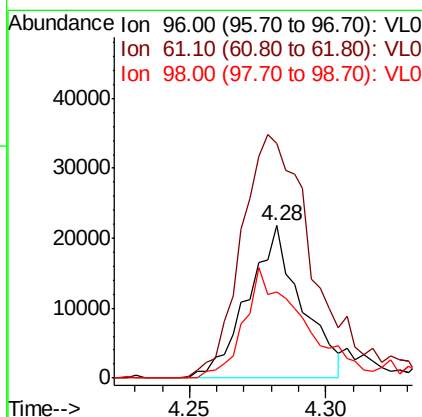
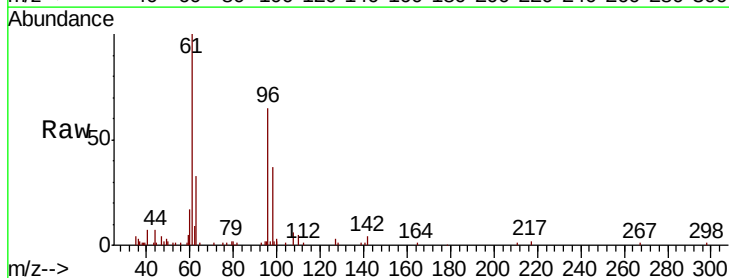
Tot Ion: 59 Resp: 18929
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

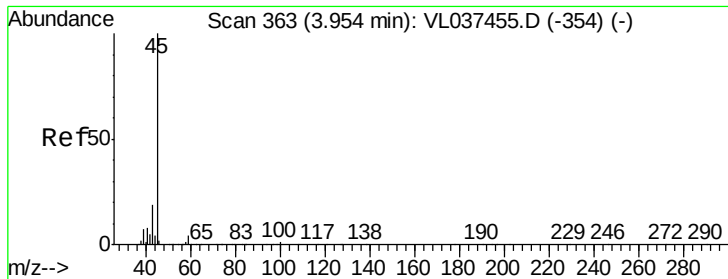


#18

1,1-Dichloroethene
Concen: 0.440 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Tgt Ion: 96 Resp: 29685
Ion Ratio Lower Upper
96 100
61 152.6 151.1 226.7
98 56.2 51.8 77.8





#19

Isopropyl Alcohol

Concen: 0.260 ppbv

RT: 3.99 min Scan# 375

Delta R.T. 0.04 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

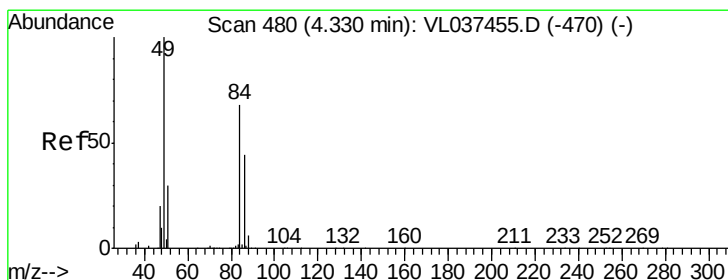
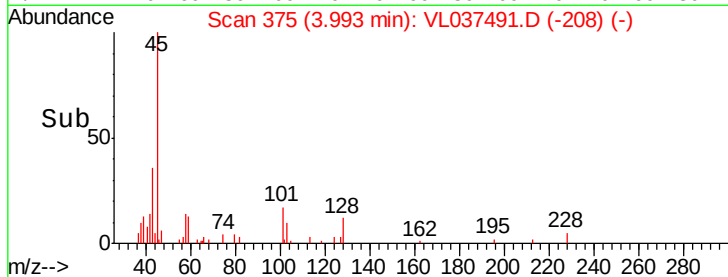
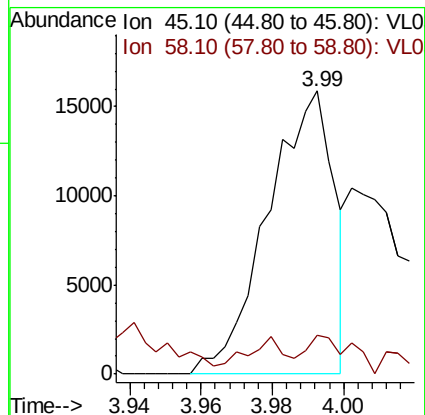
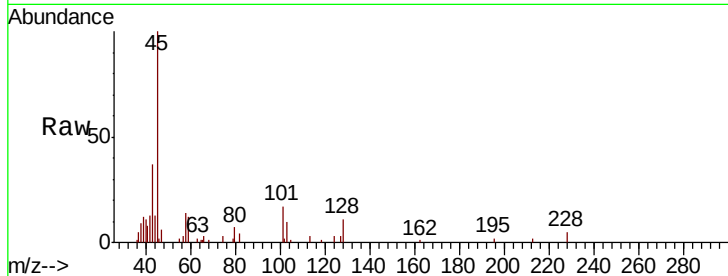
ClientSampleId :

Tot Ion: 45 Resp: 20393

Ion Ratio Lower Upper

45 100

58 17.5 1.4 2.2#



#20

Methylene Chloride

Concen: 0.515 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Tgt Ion: 84 Resp: 35309

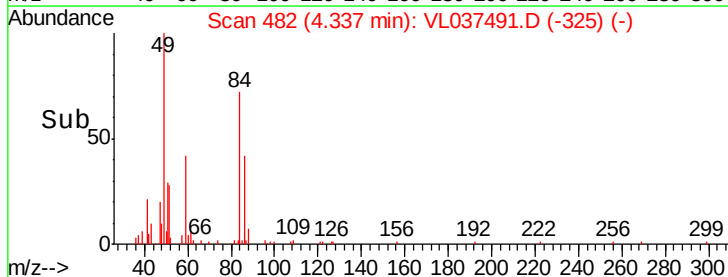
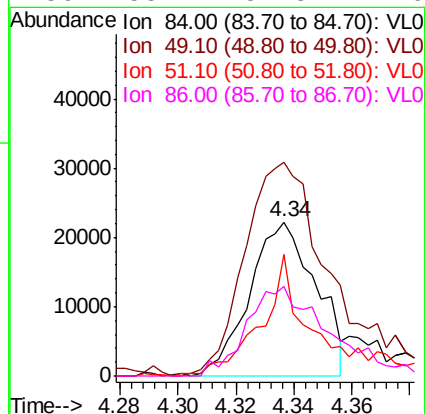
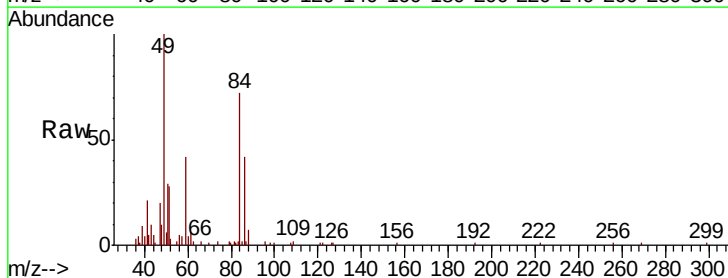
Ion Ratio Lower Upper

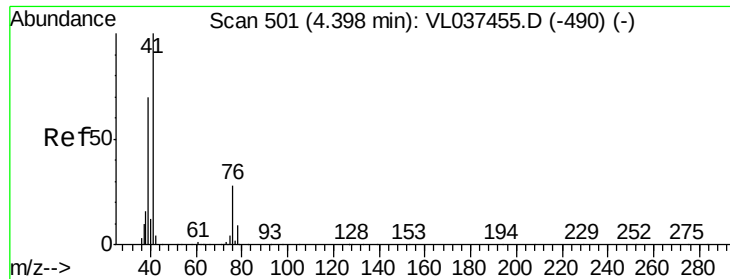
84 100

49 137.0 118.2 177.2

51 77.0 36.6 55.0#

86 58.2 51.8 77.6

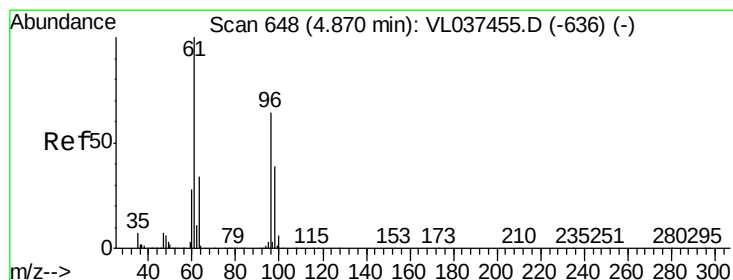
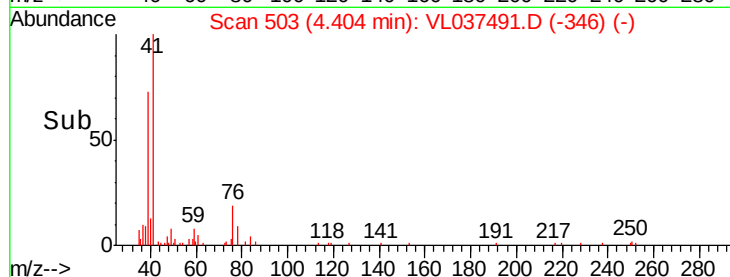
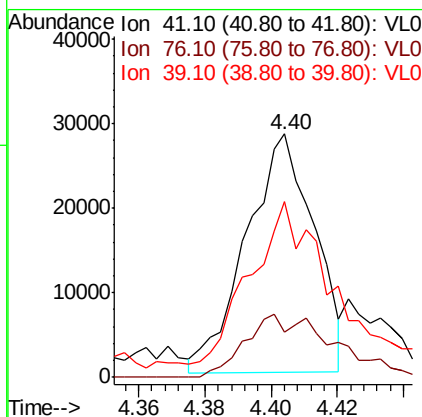
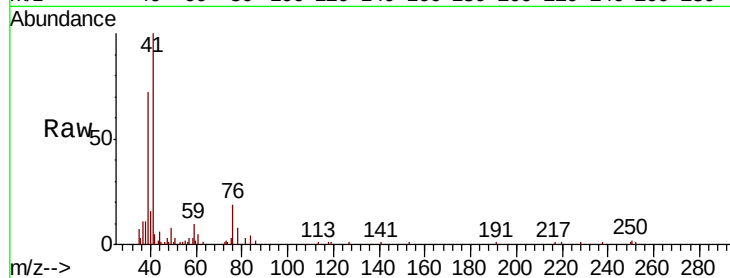




#21
 Allvl Chloride
 Concen: 0.363 ppbv
 RT: 4.40 min Scan# 503
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

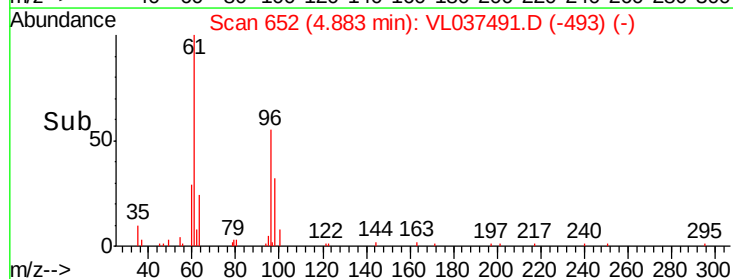
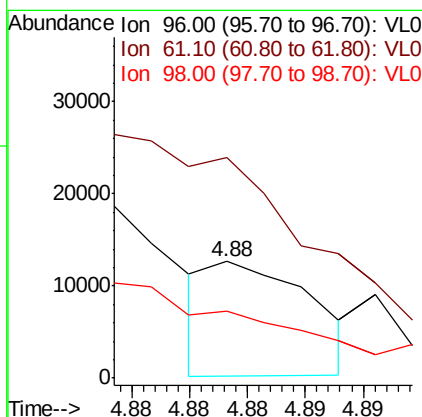
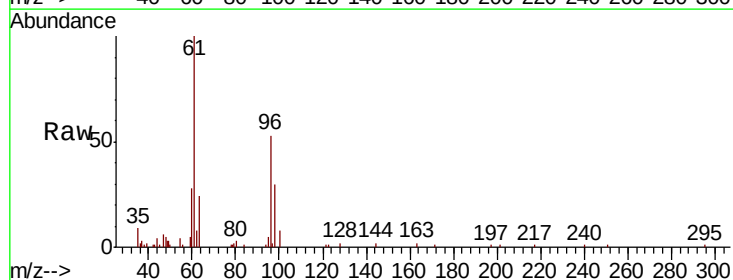
Instrument :
 MSVOA_L
 ClientSampleId :

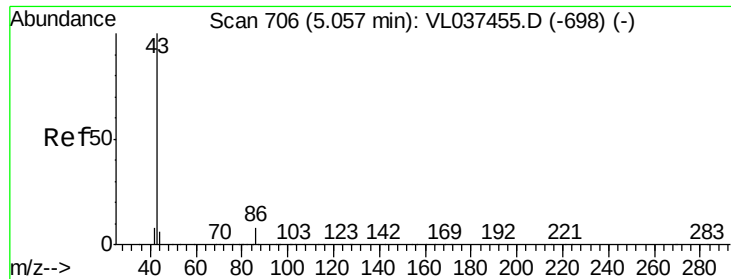
Tot Ion: 41 Resp: 40303
 Ion Ratio Lower Upper
 41 100
 76 37.6 21.8 32.6#
 39 100.9 56.8 85.2#



#22
 trans-1,2-Dichloroethene
 Concen: 0.111 ppbv
 RT: 4.88 min Scan# 652
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Tgt Ion: 96 Resp: 7489
 Ion Ratio Lower Upper
 96 100
 61 164.8 125.5 188.3
 98 50.6 49.0 73.4

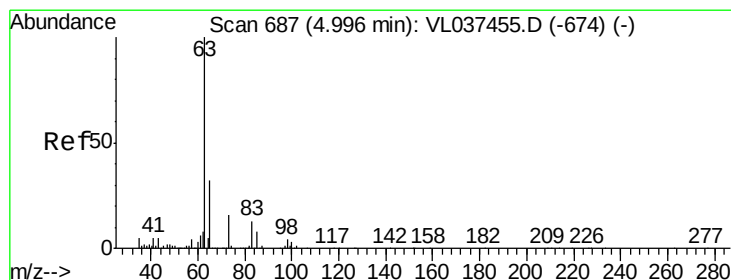
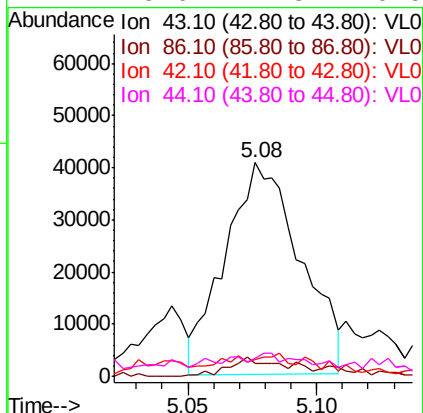
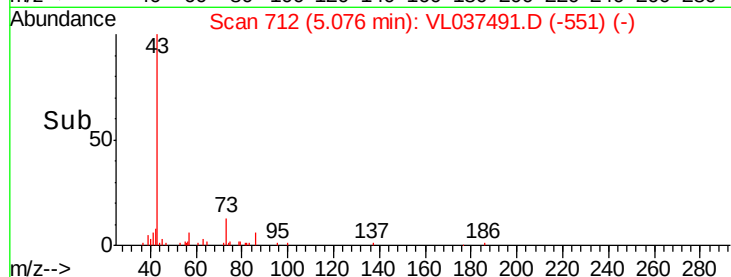
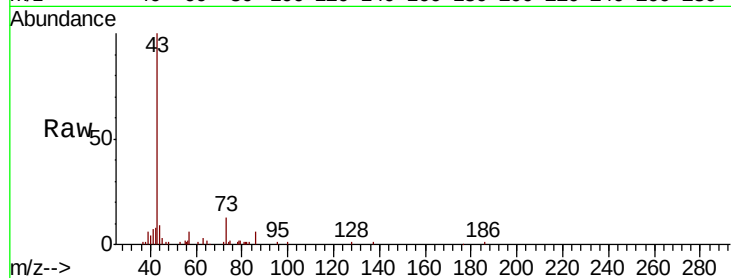




#23
 Vinyl Acetate
 Concen: 0.411 ppbv
 RT: 5.08 min Scan# 712
 Delta R.T. 0.02 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

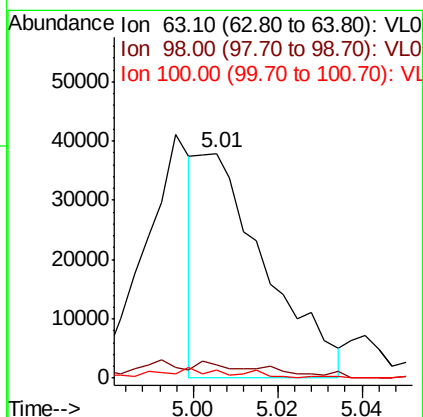
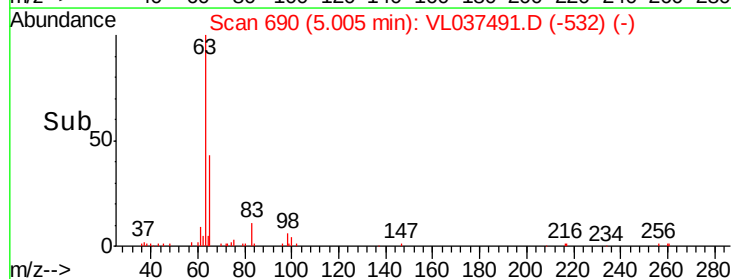
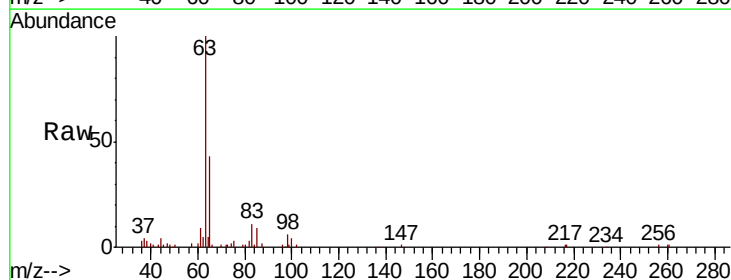
Instrument :
 MSVOA_L
 ClientSampleId :

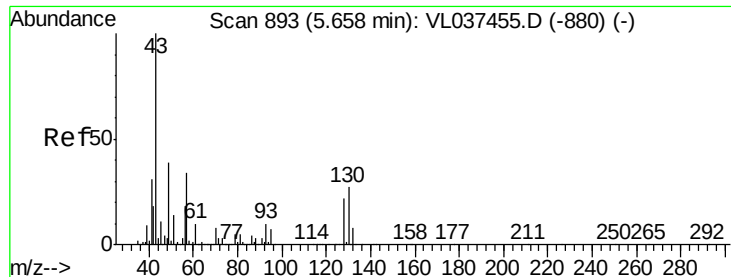
Tot Ion:	43	Resp:	82979
Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.7	8.5
42	6.2	7.4	11.2#
44	5.6	4.3	6.5



#24
 1,1-Dichloroethane
 Concen: 0.290 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Tgt Ion:	63	Resp:	42411
Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.1	6.3
100	3.3	1.6	4.7

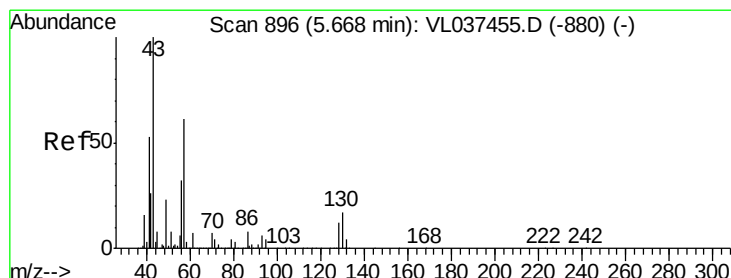
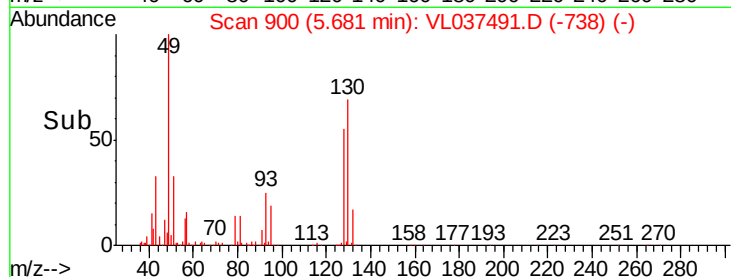
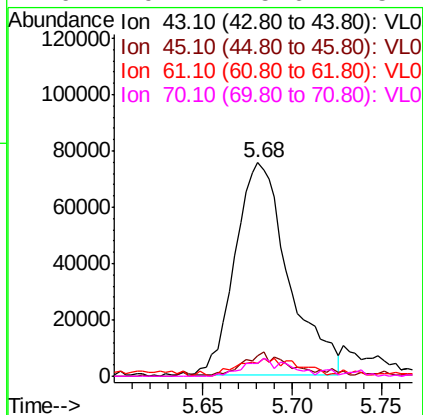
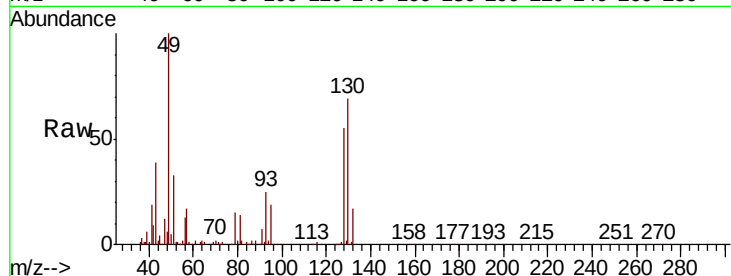




#25
Ethyl Acetate
Concen: 0.451 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.02 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

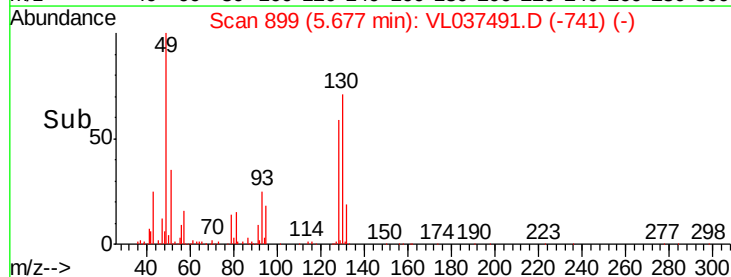
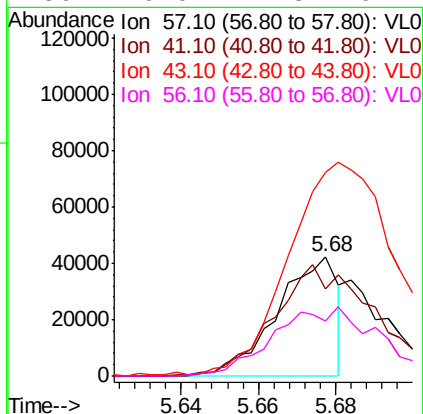
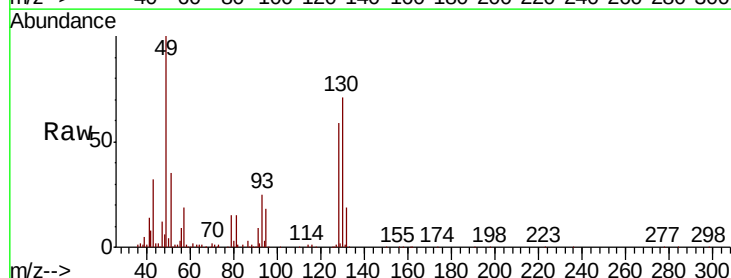
Instrument :
MSVOA_L
ClientSampled :

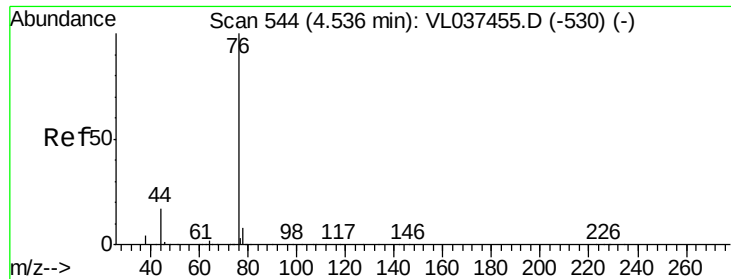
Tot Ion:	43	Resp:	156532
Ion	Ratio	Lower	Upper
43	100		
45	12.1	8.0	12.0#
61	12.4	8.0	12.0#
70	9.1	5.6	8.4#



#26
Hexane
Concen: 0.271 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Tgt Ion:	57	Resp:	46076
Ion	Ratio	Lower	Upper
57	100		
41	167.4	72.3	108.5#
43	0.0	172.3	258.5#
56	0.0	42.8	64.2#





#27

Carbon Disulfide

Concen: 0.334 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampleId :

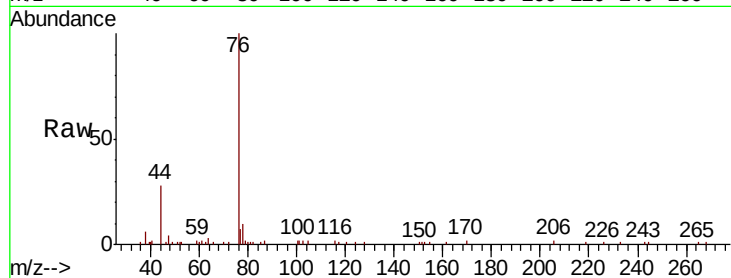
Tot Ion: 76 Resp: 50586

Ion Ratio Lower Upper

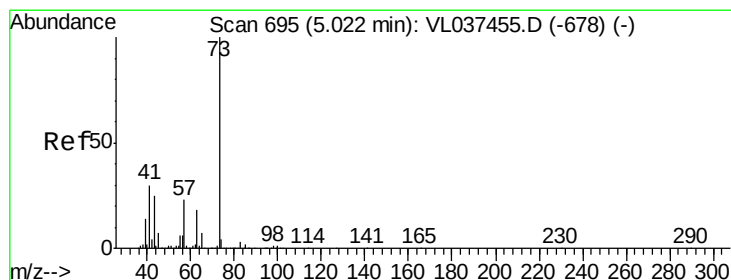
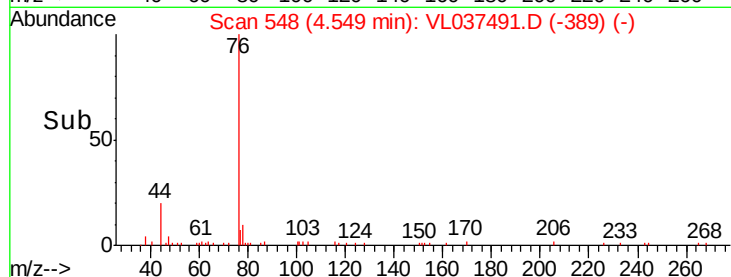
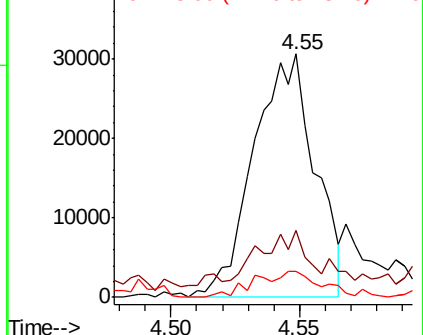
76 100

44 24.7 13.9 20.9#

78 11.9 7.9 11.9#



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: 0.374 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.02 min

Lab File: VL037491.D

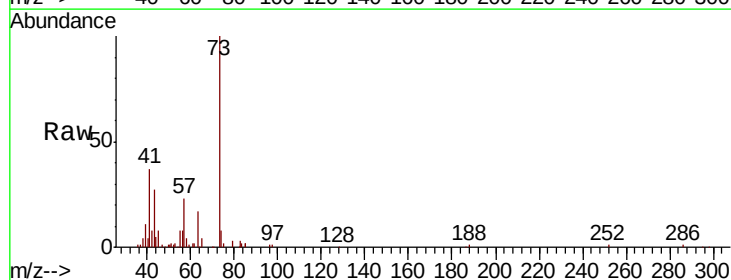
Acq: 18 Aug 2021 14:50

Tgt Ion: 73 Resp: 60949

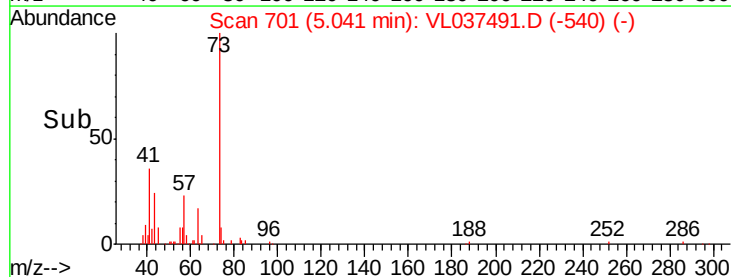
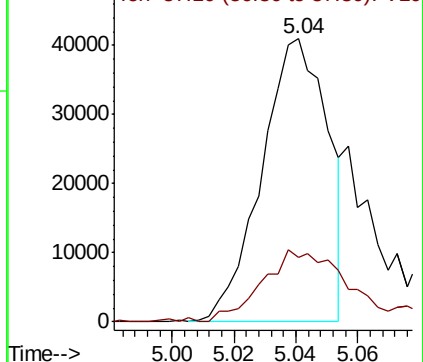
Ion Ratio Lower Upper

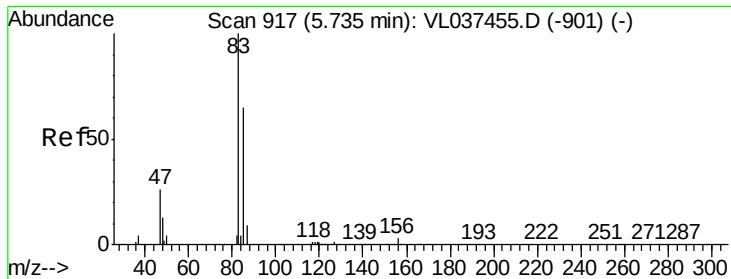
73 100

57 37.2 19.4 29.2#



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

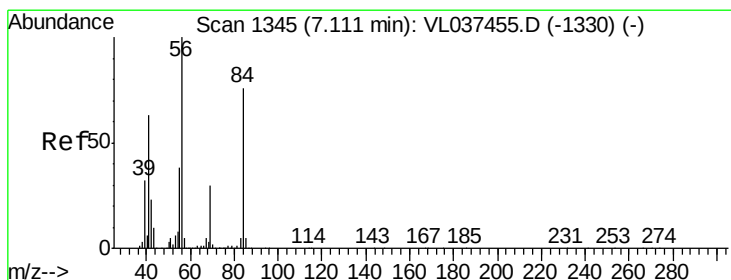
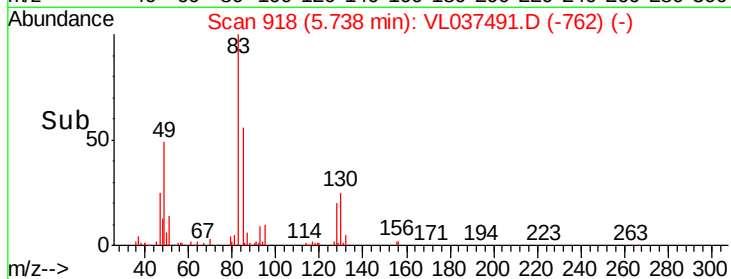
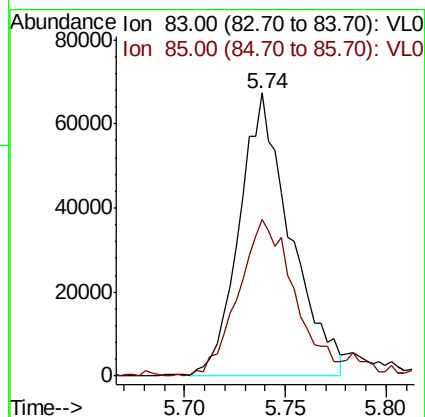
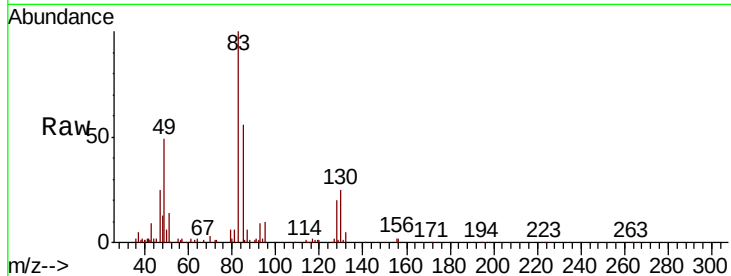




#29
Chloroform
Concen: 0.492 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

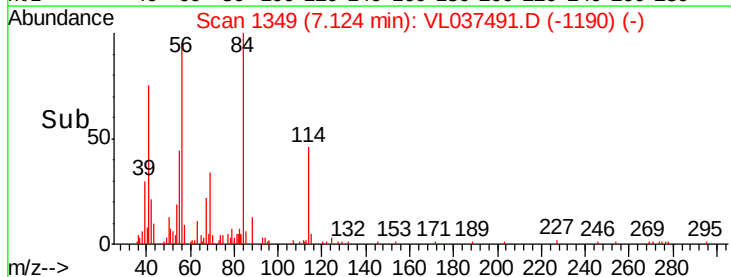
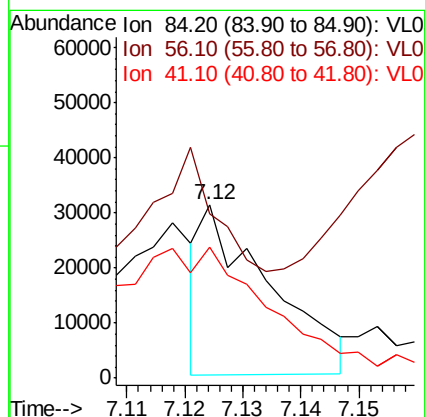
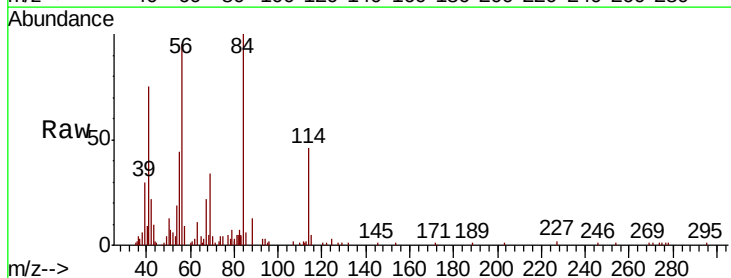
Instrument :
MSVOA_L
ClientSampleId :

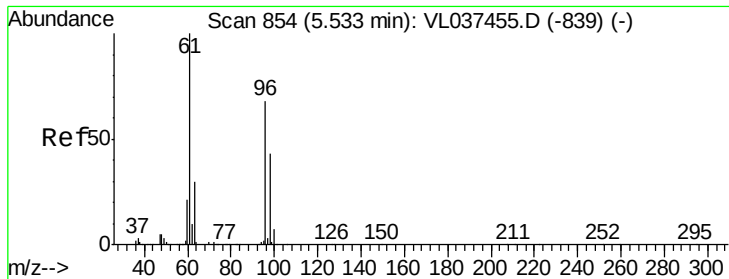
Tot Ion: 83 Resp: 118330
Ion Ratio Lower Upper
83 100
85 55.2 52.3 78.5



#30
Cyclohexane
Concen: 0.178 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.01 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Tgt Ion: 84 Resp: 25248
Ion Ratio Lower Upper
84 100
56 247.7 110.6 165.8#
41 211.7 67.0 100.6#



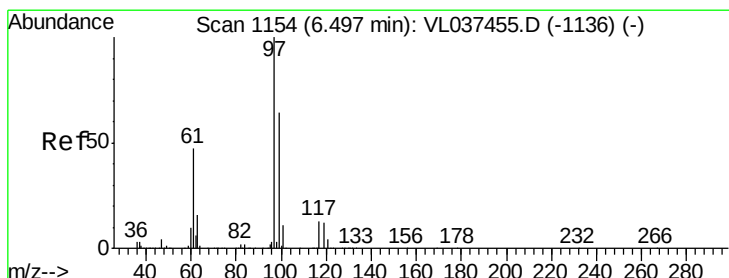
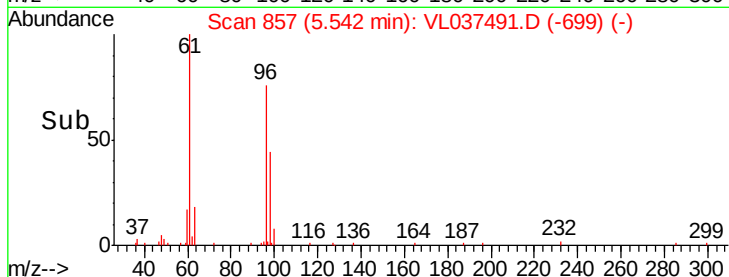
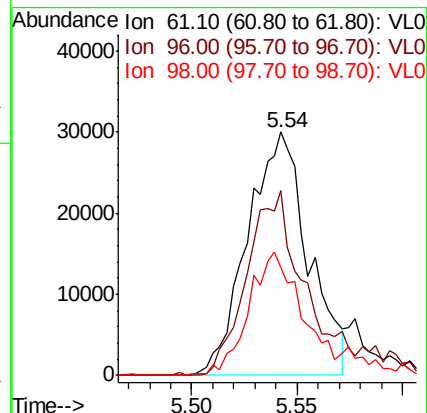
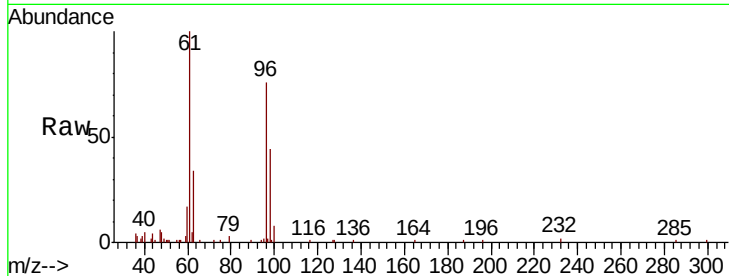


#31

cis-1,2-Dichloroethene
 Concen: 0.392 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Instrument :
 MSVOA_L
 ClientSampleId :

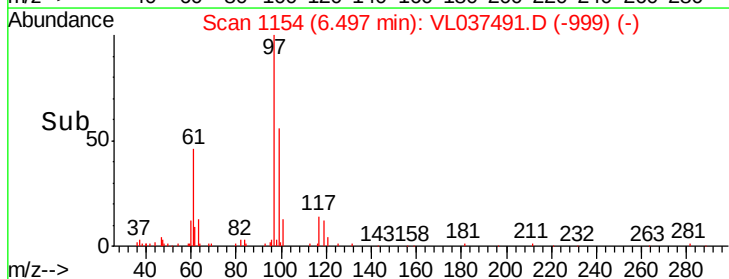
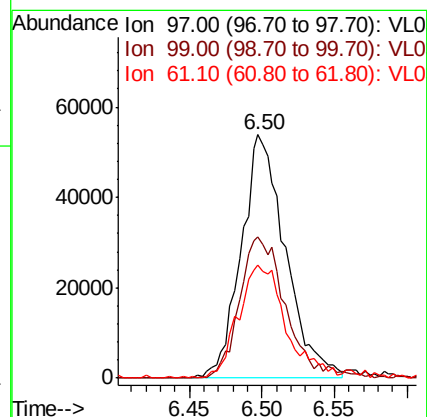
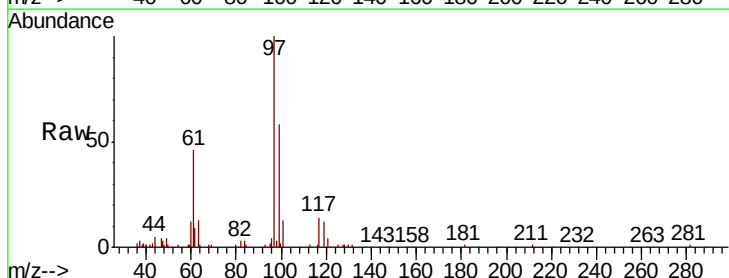
Tot Ion:	61	Resp:	60254
Ion	Ratio	Lower	Upper
61	100		
96	75.8	54.8	82.2
98	43.4	34.2	51.2

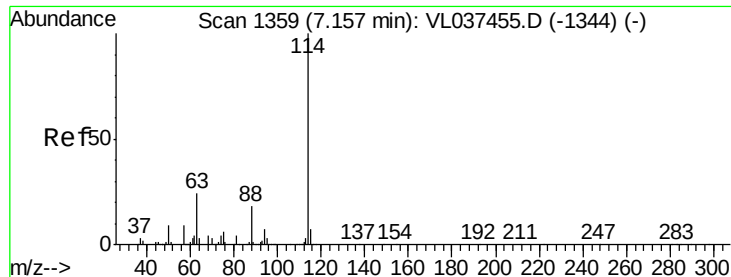


#32

1,1,1-Trichloroethane
 Concen: 0.484 ppbv
 RT: 6.50 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Tgt Ion:	97	Resp:	114533
Ion	Ratio	Lower	Upper
97	100		
99	60.8	51.8	77.6
61	52.1	39.6	59.4

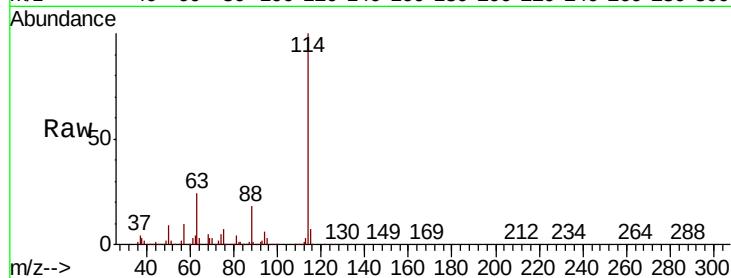




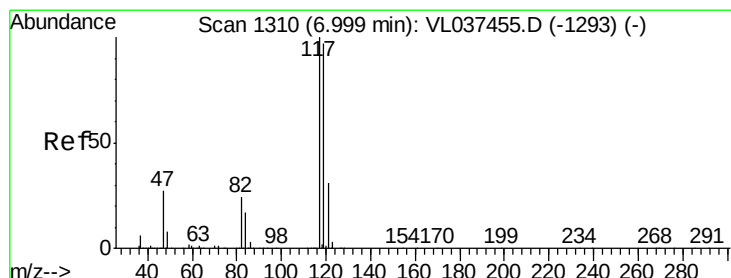
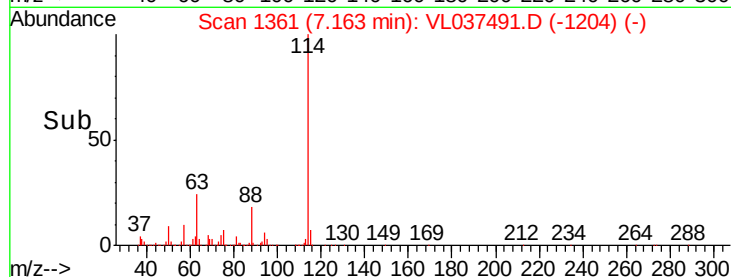
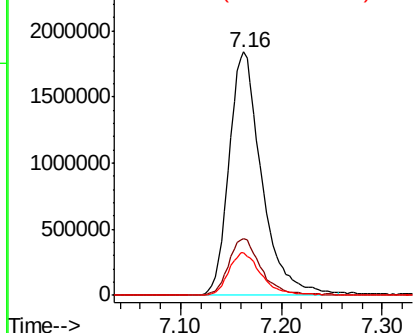
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4159564
 Ion Ratio Lower Upper
 114 100
 63 23.6 19.3 28.9
 88 17.8 14.2 21.4

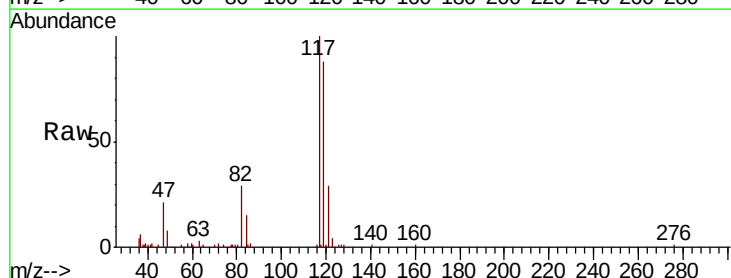


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

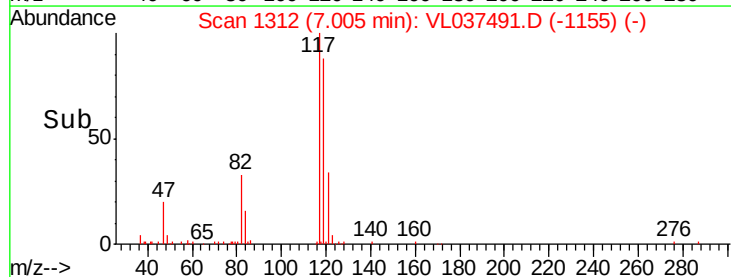
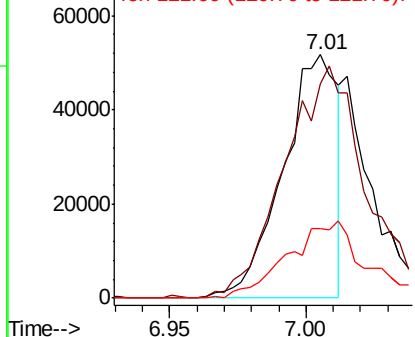


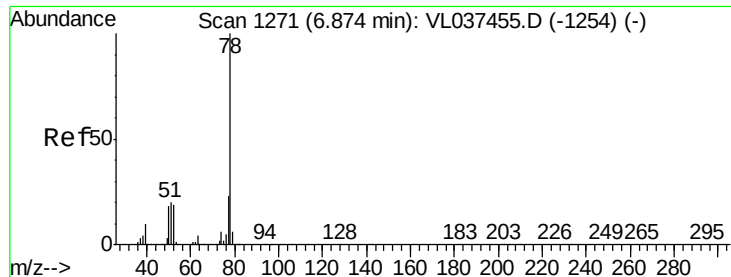
#35
 Carbon Tetrachloride
 Concen: 0.291 ppbv
 RT: 7.01 min Scan# 1312
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Tgt Ion:117 Resp: 71588
 Ion Ratio Lower Upper
 117 100
 119 87.9 77.3 115.9
 121 28.6 25.2 37.8



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

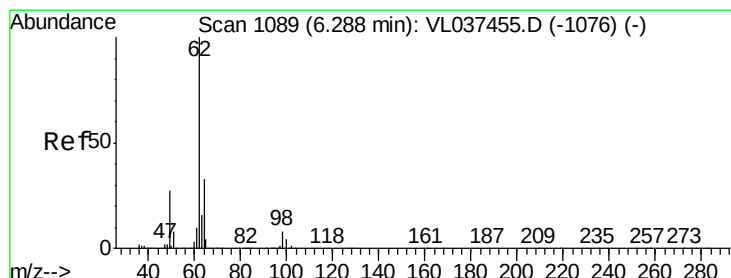
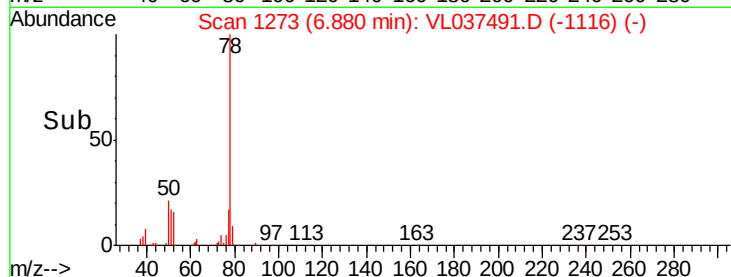
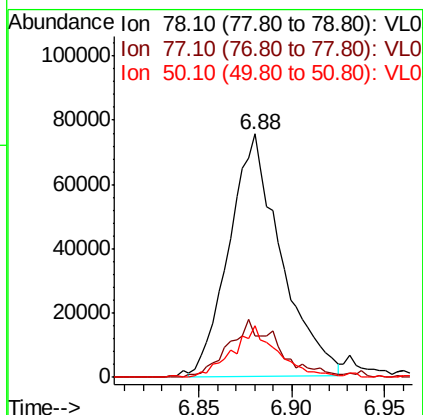
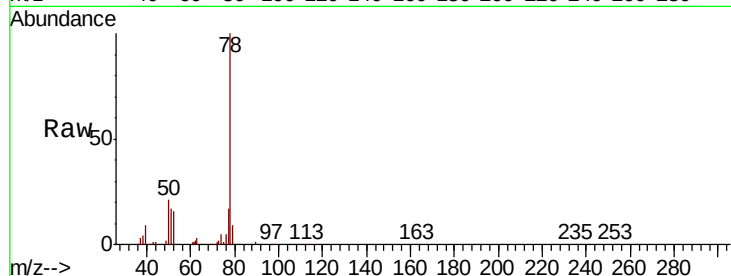




#36
Benzene
Concen: 0.422 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

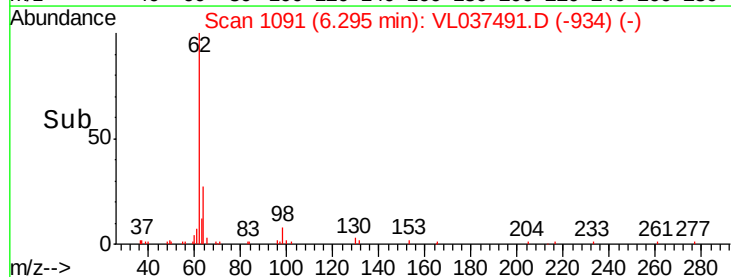
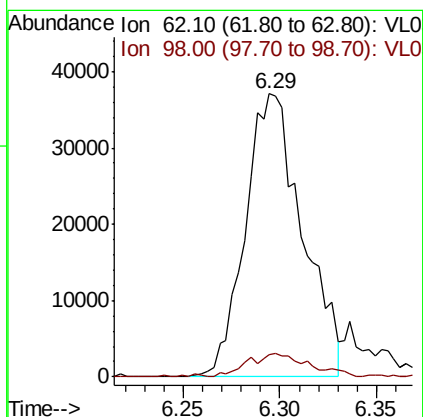
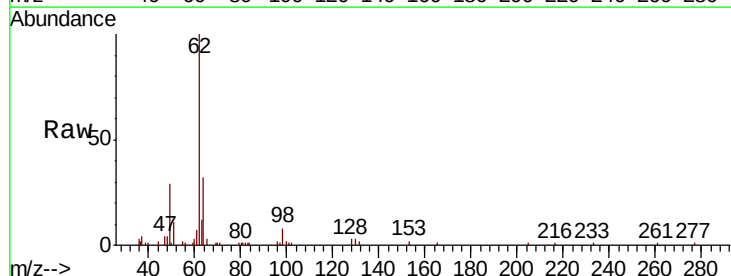
Instrument :
MSVOA_L
ClientSampleId :

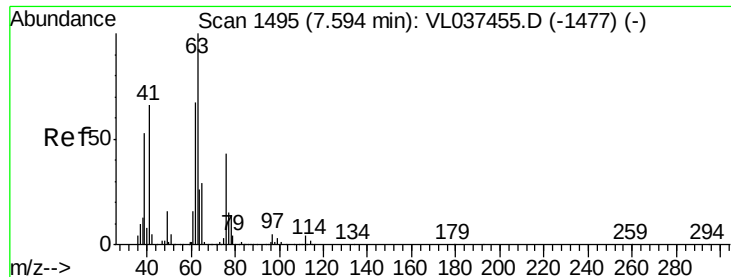
Tot Ion: 78 Resp: 147603
Ion Ratio Lower Upper
78 100
77 16.3 18.2 27.4#
50 21.4 14.6 21.8



#37
1,2-Dichloroethane
Concen: 0.440 ppbv
RT: 6.29 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Tgt Ion: 62 Resp: 76263
Ion Ratio Lower Upper
62 100
98 9.5 6.0 9.0#





#39

1,2-Dichloropropane

Concen: 0.199 ppbv

RT: 7.60 min Scan# 1498

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampled :

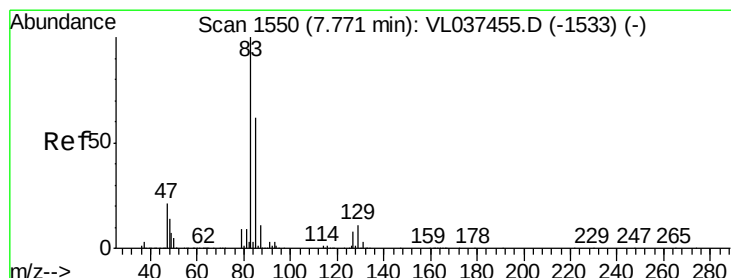
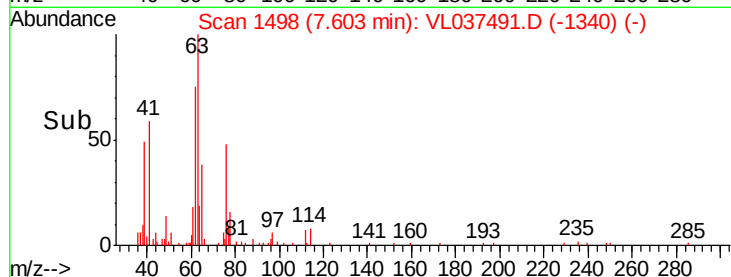
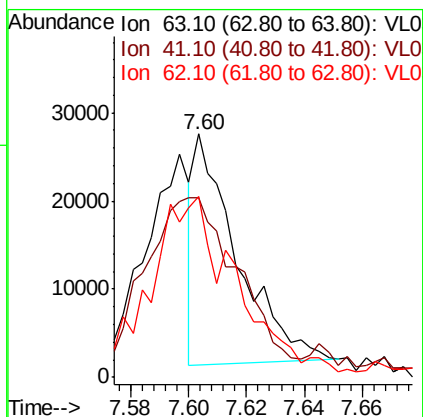
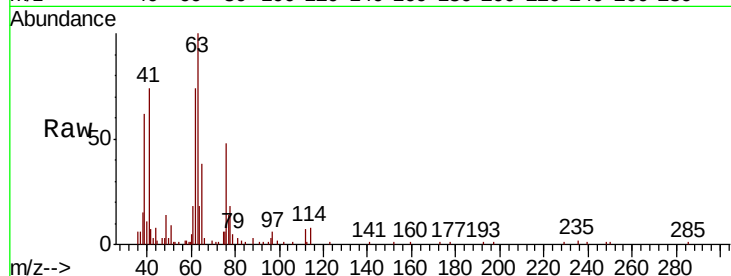
Tot Ion: 63 Resp: 26762

Ion Ratio Lower Upper

63 100

41 74.2 52.4 78.6

62 77.9 53.6 80.4



#42

Bromodichloromethane

Concen: 0.372 ppbv

RT: 7.78 min Scan# 1553

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

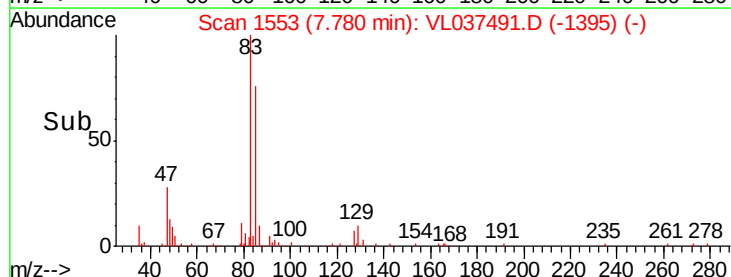
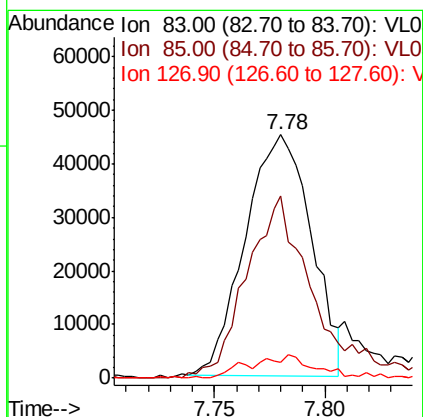
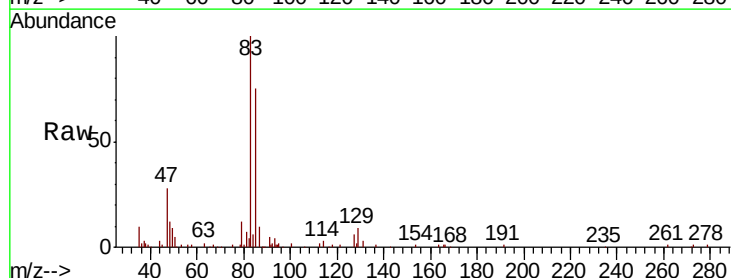
Tgt Ion: 83 Resp: 94092

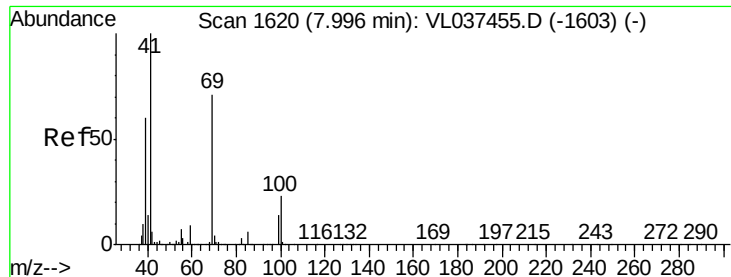
Ion Ratio Lower Upper

83 100

85 73.2 49.5 74.3

127 6.5 6.3 9.5

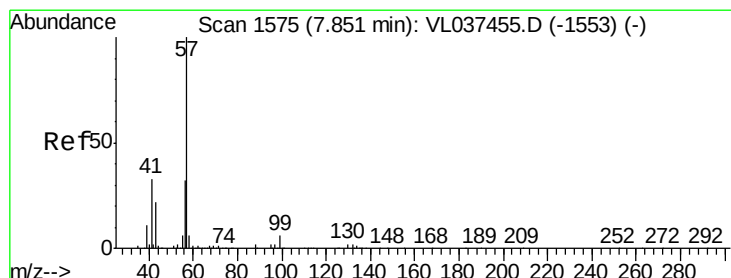
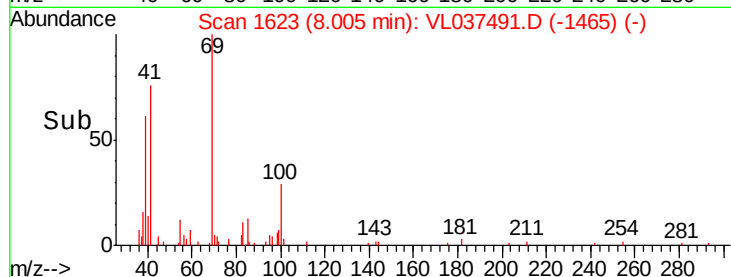
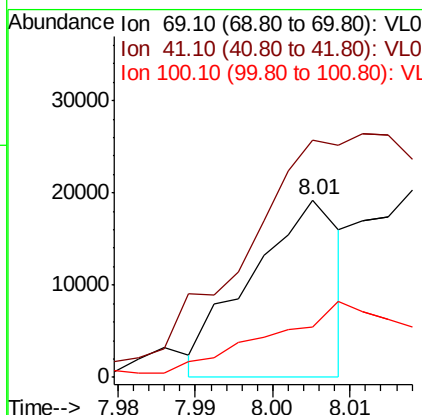
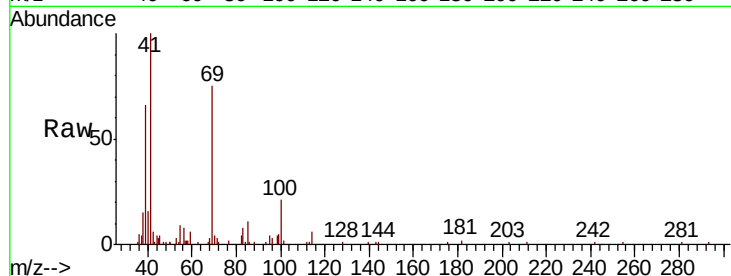




#43
Methyl Methacrylate
Concen: 0.127 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. 0.01 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

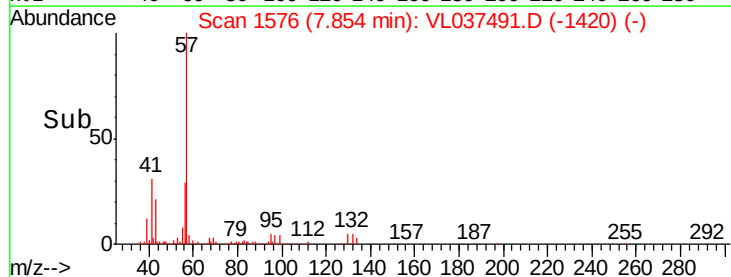
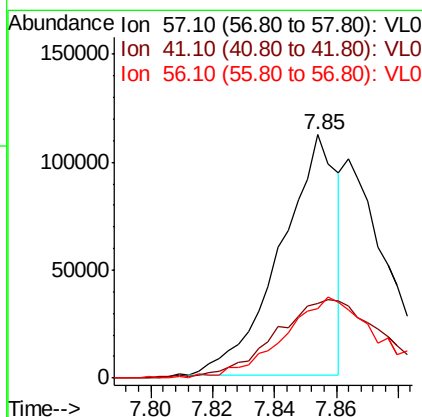
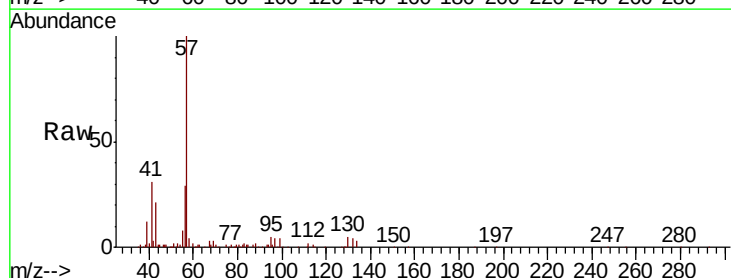
Instrument :
MSVOA_L
ClientSampleId :

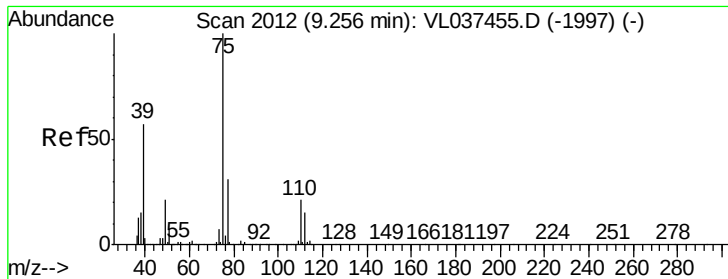
Tot Ion: 69 Resp: 15526
Ion Ratio Lower Upper
69 100
41 414.0 118.6 178.0#
100 109.2 27.4 41.0#



#44
2,2,4-Trimethylpentane
Concen: 0.241 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Tgt Ion: 57 Resp: 142052
Ion Ratio Lower Upper
57 100
41 65.5 26.2 39.4#
56 58.2 25.4 38.2#

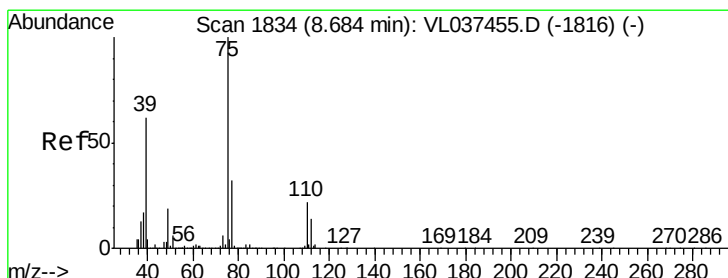
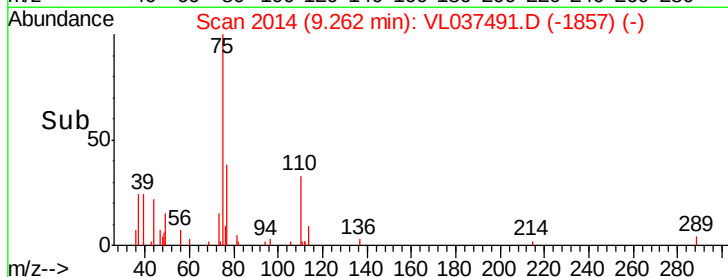
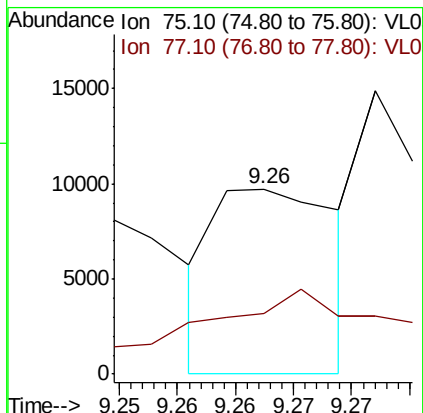
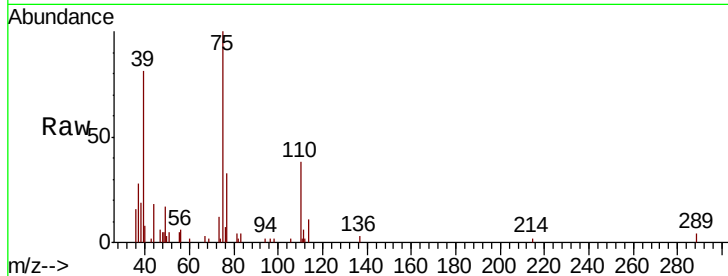




#45
 t-1,3-Dichloropropene
 Concen: 0.078 ppbv
 RT: 9.26 min Scan# 2014
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

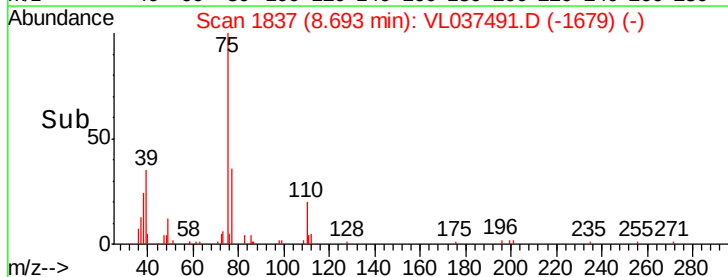
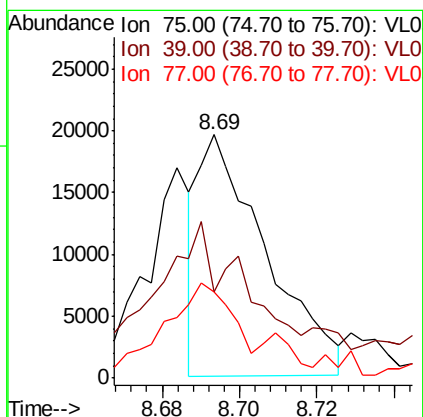
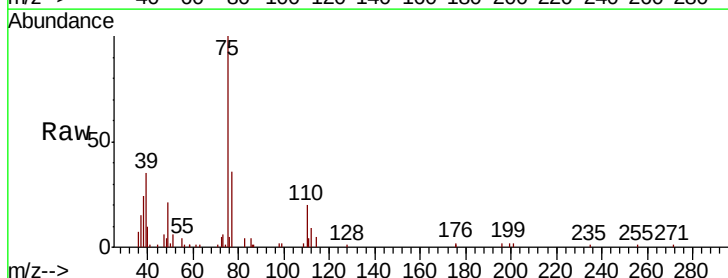
Instrument :
 MSVOA_L
 ClientSampleId :

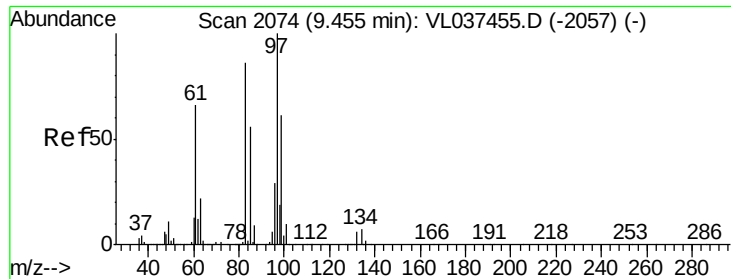
Tot Ion: 75 Resp: 7141
 Ion Ratio Lower Upper
 75 100
 77 33.1 24.5 36.7



#46
 cis-1,3-Dichloropropene
 Concen: 0.184 ppbv
 RT: 8.69 min Scan# 1837
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Tgt Ion: 75 Resp: 23559
 Ion Ratio Lower Upper
 75 100
 39 19.7 49.7 74.5#
 77 36.3 25.4 38.0

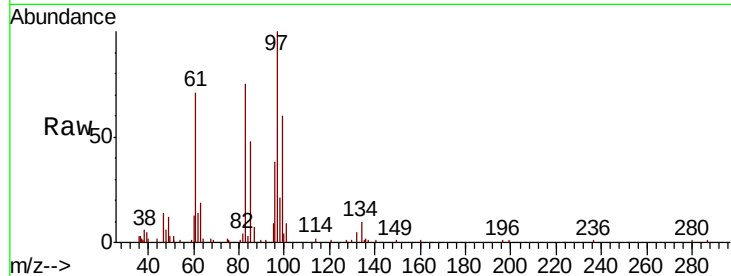




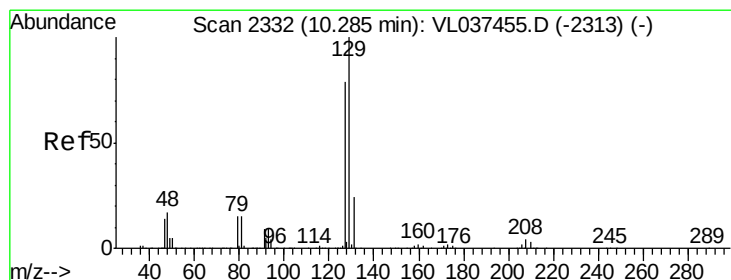
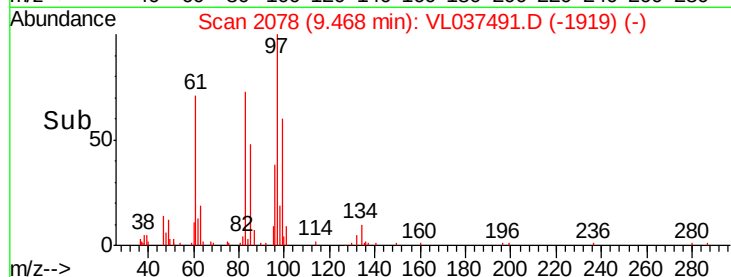
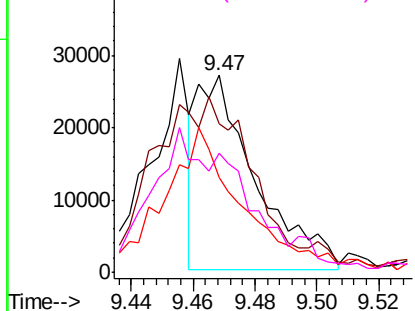
#47
 1,1,2-Trichloroethane
 Concen: 0.243 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:	97	Resp:	35303
Ion	Ratio	Lower	Upper
97	100		
83	72.9	68.7	103.1
85	46.2	44.7	67.1
99	58.1	48.6	72.8

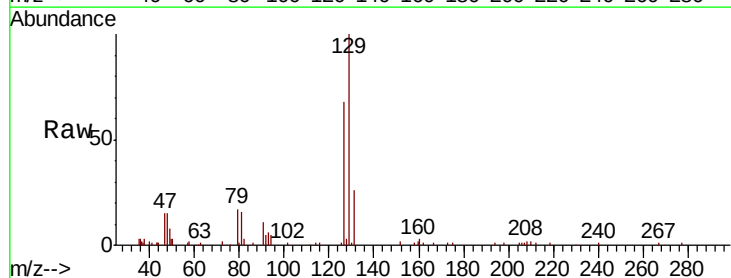


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

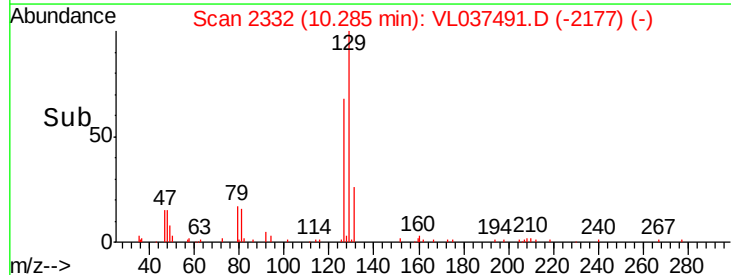
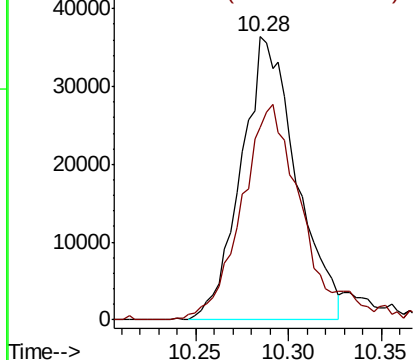


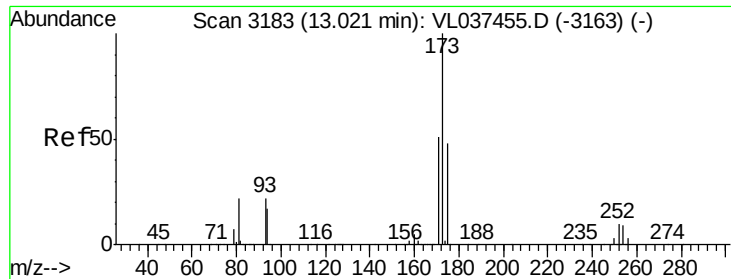
#48
 Dibromochloromethane
 Concen: 0.361 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Tgt Ion:	129	Resp:	75433
Ion	Ratio	Lower	Upper
129	100		
127	85.9	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: 0.030 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. 0.02 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampled :

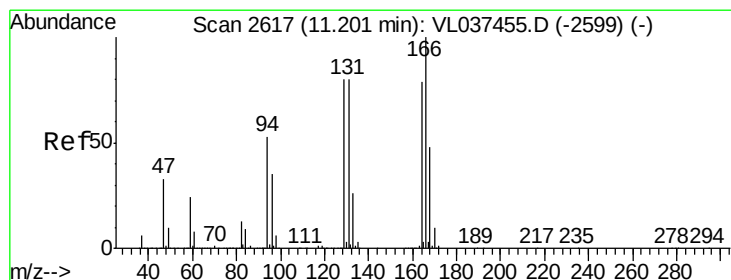
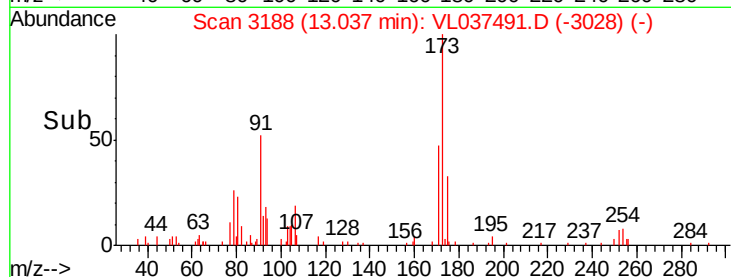
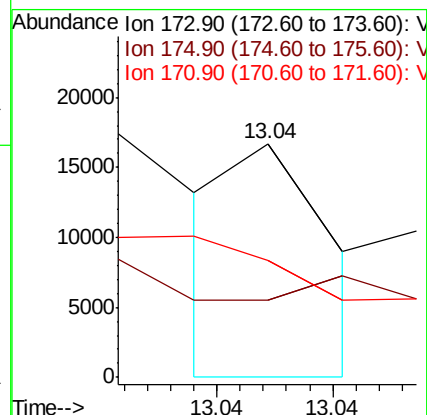
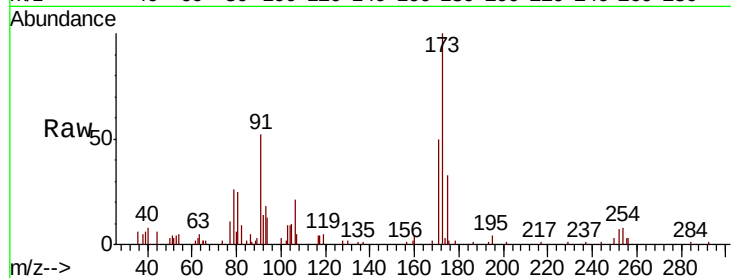
Tot Ion:173 Resp: 4957

Ion Ratio Lower Upper

173 100

175 0.0 41.9 62.9#

171 0.0 44.2 66.4#



#52

Tetrachloroethene

Concen: 0.044 ppbv

RT: 11.21 min Scan# 2620

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Tgt Ion:164 Resp: 6308

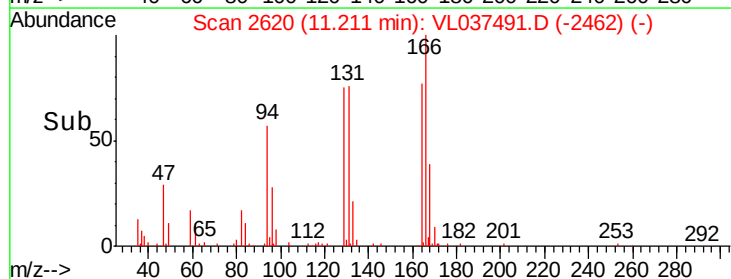
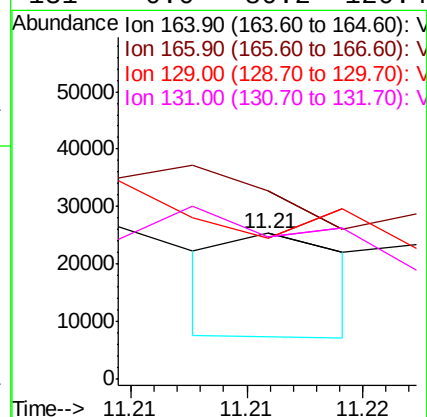
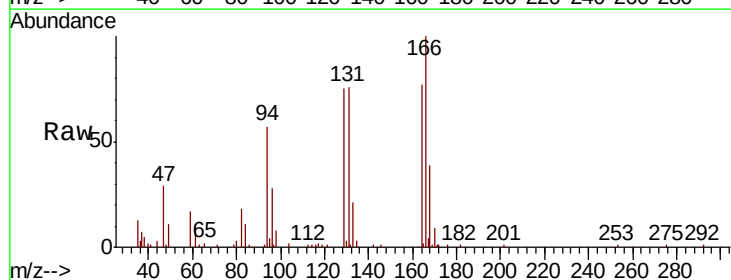
Ion Ratio Lower Upper

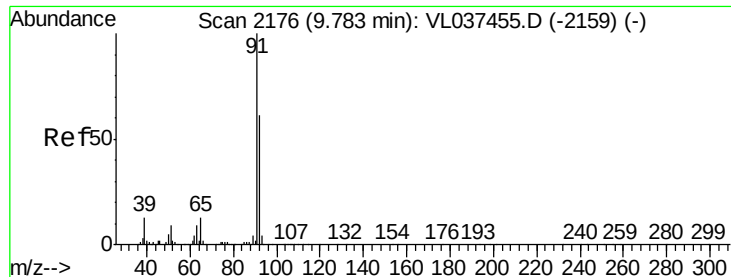
164 100

166 204.7 100.7 151.1#

129 0.0 80.9 121.3#

131 0.0 80.2 120.4#





#53

Toluene

Concen: 0.271 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

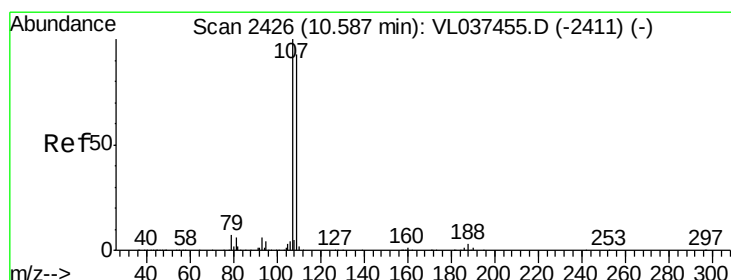
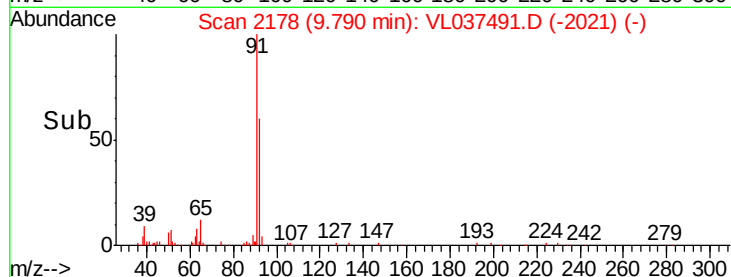
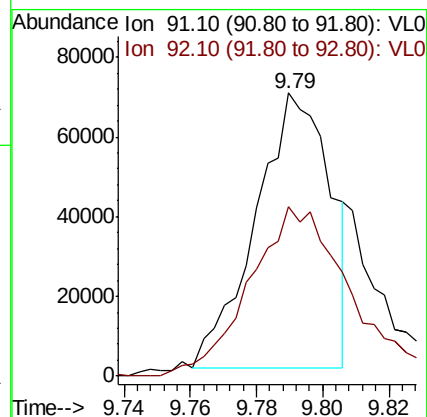
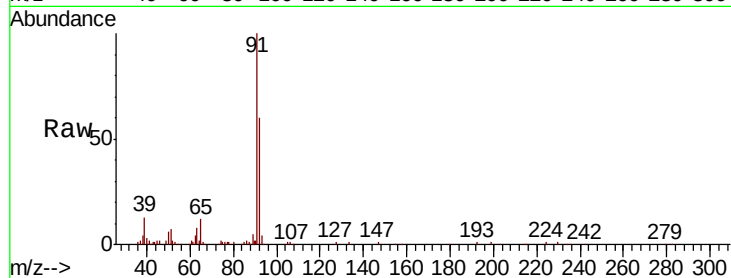
ClientSampleId :

Tot Ion: 91 Resp: 108335

Ion Ratio Lower Upper

91 100

92 84.5 48.8 73.2#



#54

1,2-Dibromoethane

Concen: 0.399 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.01 min

Lab File: VL037491.D

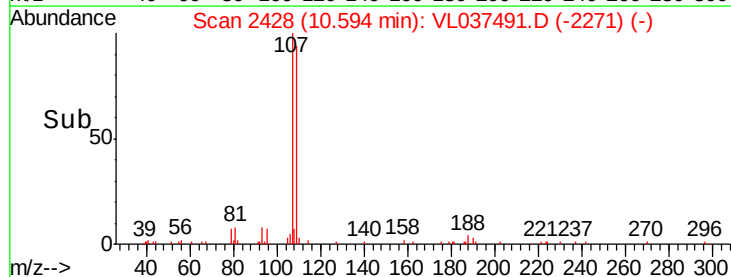
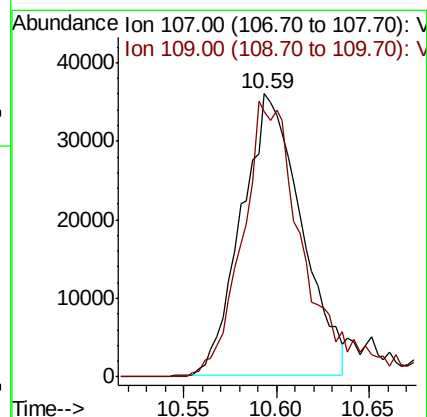
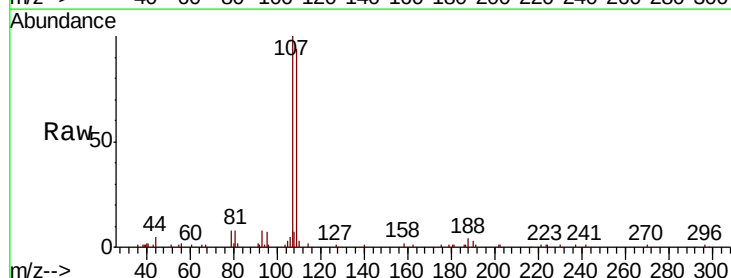
Acq: 18 Aug 2021 14:50

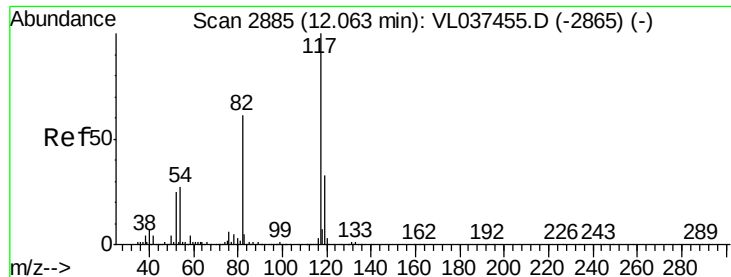
Tgt Ion: 107 Resp: 80775

Ion Ratio Lower Upper

107 100

109 92.3 74.2 111.4

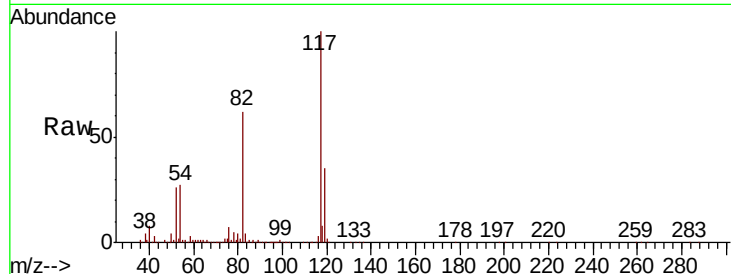




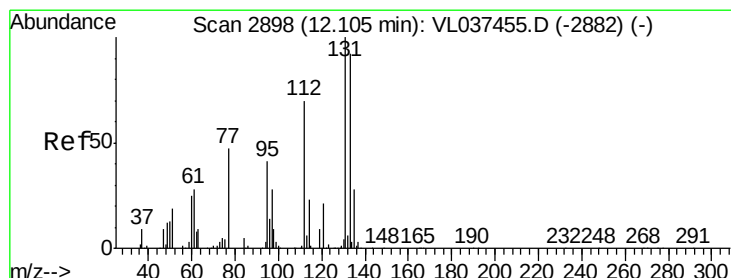
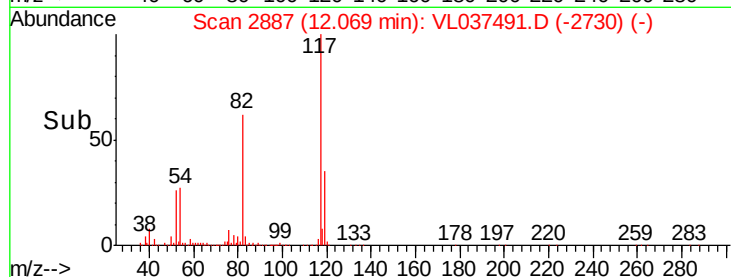
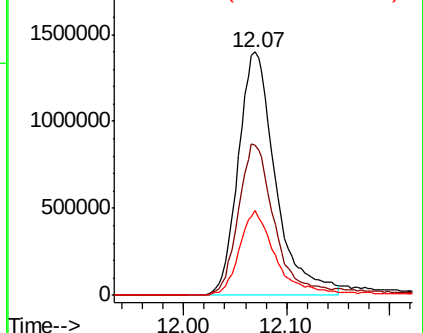
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3526680
Ion Ratio Lower Upper
117 100
82 64.4 52.9 79.3
119 35.6 24.8 37.2

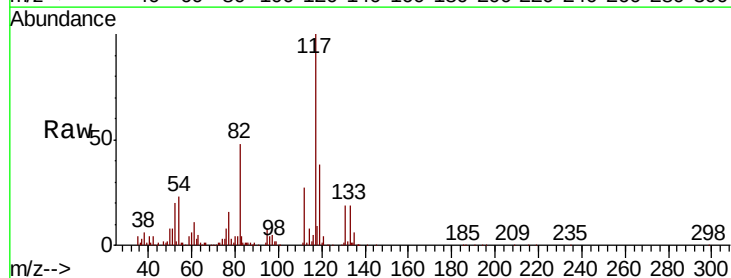


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

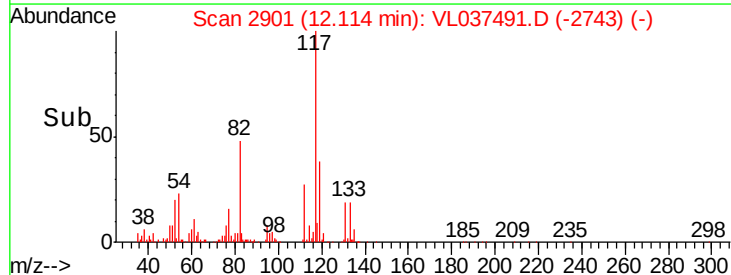
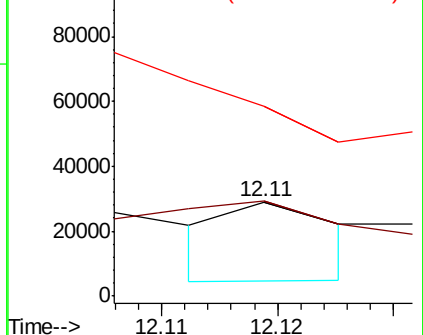


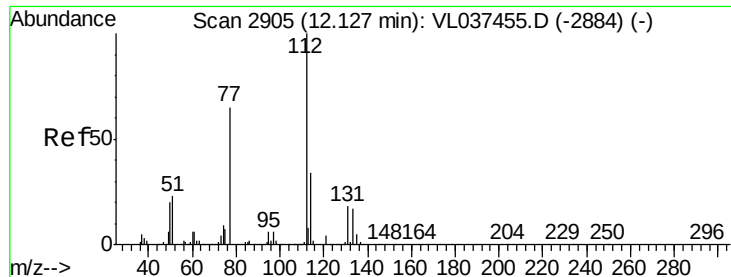
#56
1,1,1,2-Tetrachloroethane
Concen: 0.055 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.01 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Tgt Ion:131 Resp: 8046
Ion Ratio Lower Upper
131 100
133 835.6 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: 0.482 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampleId :

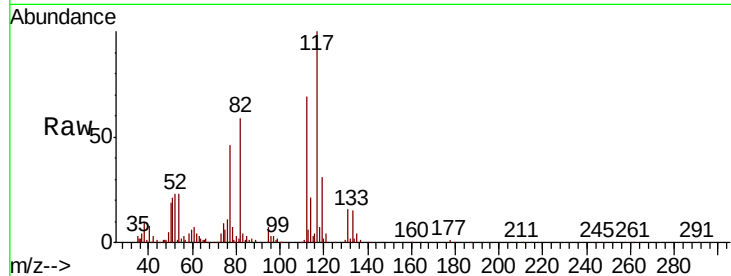
Tot Ion:112 Resp: 141198

Ion Ratio Lower Upper

112 100

77 56.6 51.6 77.4

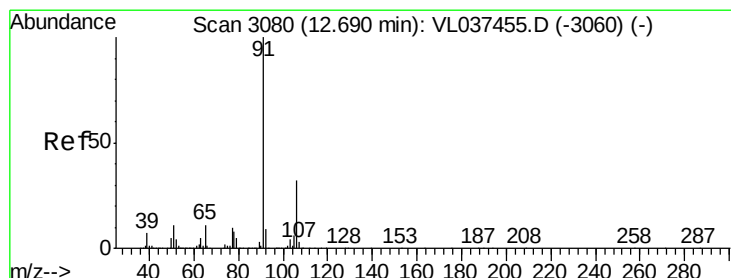
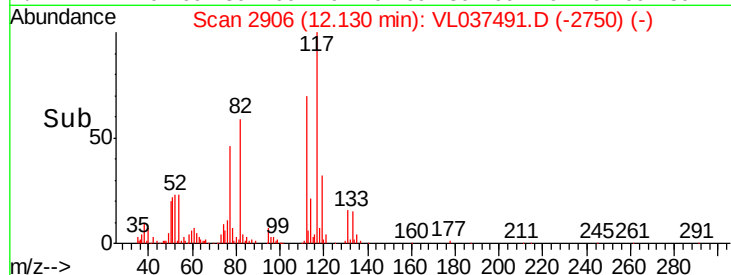
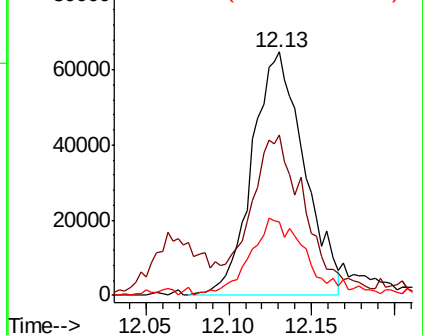
114 27.0 30.7 37.5#



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: 0.381 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. -0.00 min

Lab File: VL037491.D

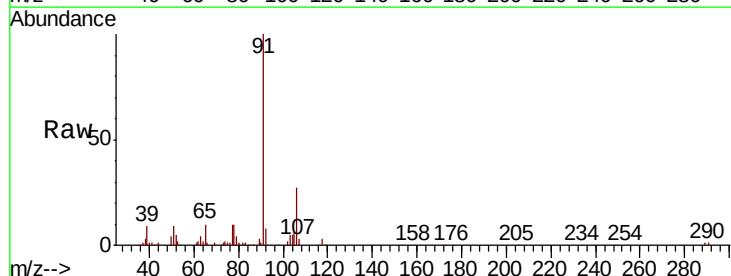
Acq: 18 Aug 2021 14:50

Tgt Ion: 91 Resp: 186696

Ion Ratio Lower Upper

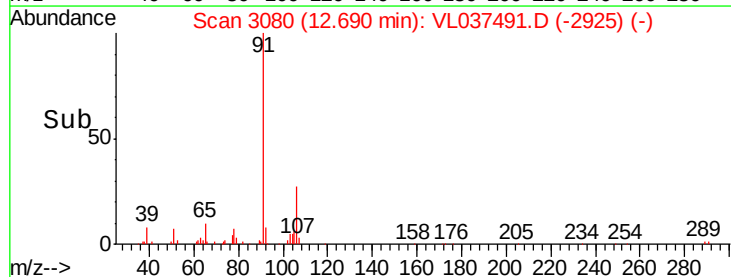
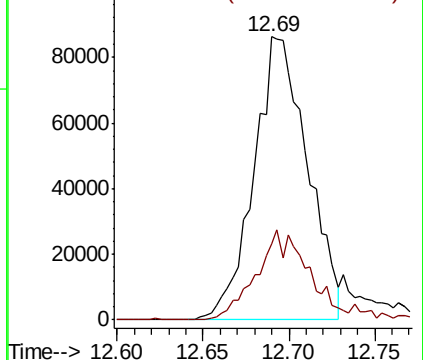
91 100

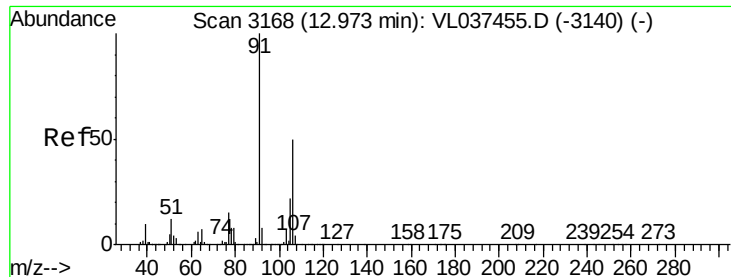
106 27.0 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.443 ppbv

RT: 12.98 min Scan# 3170

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

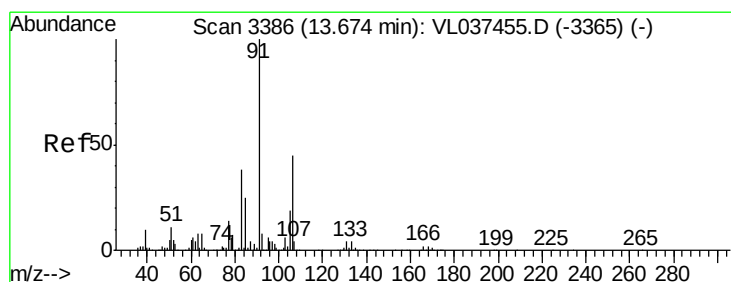
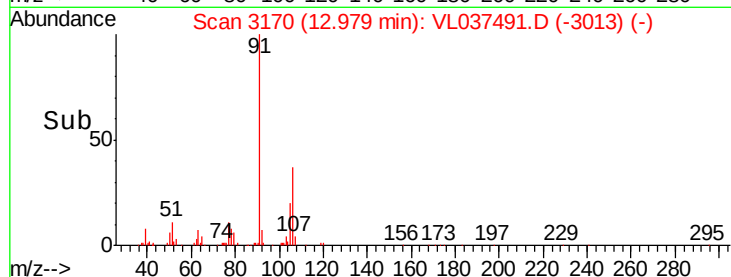
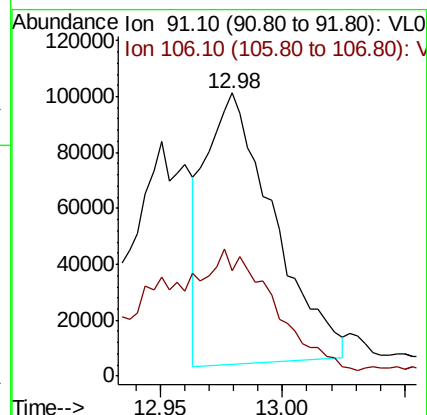
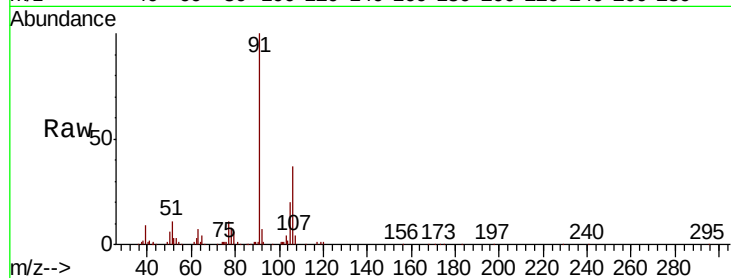
ClientSampled :

Tot Ion: 91 Resp: 187817

Ion Ratio Lower Upper

91 100

106 86.7 36.9 55.3#



#60

o-Xylene

Concen: 0.431 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VL037491.D

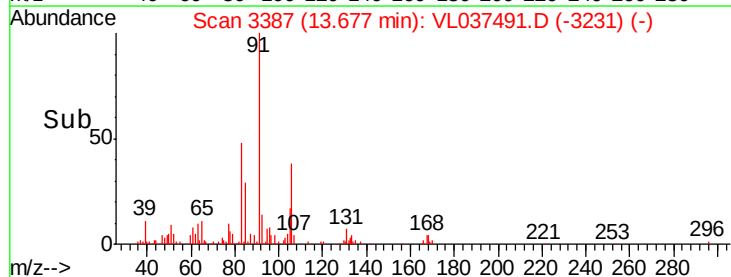
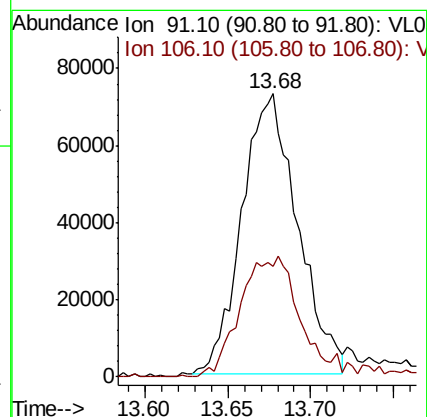
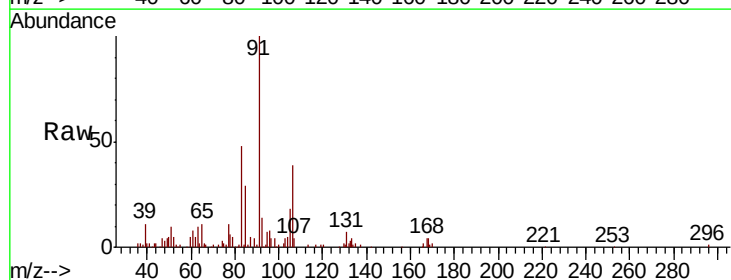
Acq: 18 Aug 2021 14:50

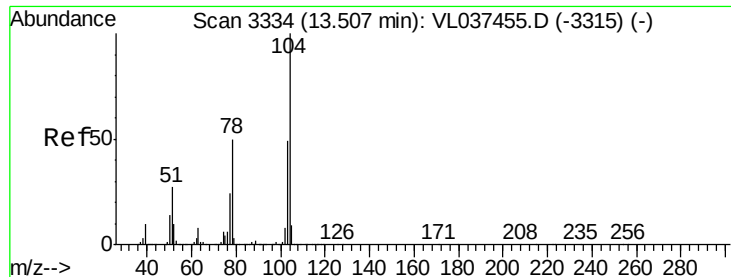
Tgt Ion: 91 Resp: 170543

Ion Ratio Lower Upper

91 100

106 49.3 23.7 71.1





#61

Stvrene

Concen: 0.291 ppbv

RT: 13.51 min Scan# 3336

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampleId :

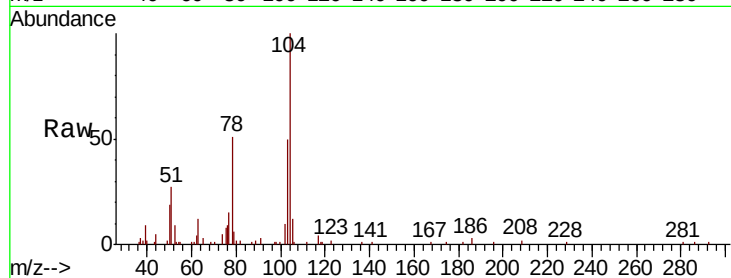
Tot Ion:104 Resp: 59884

Ion Ratio Lower Upper

104 100

78 56.4 41.3 61.9

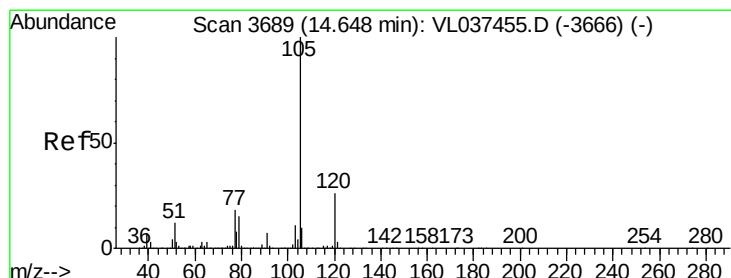
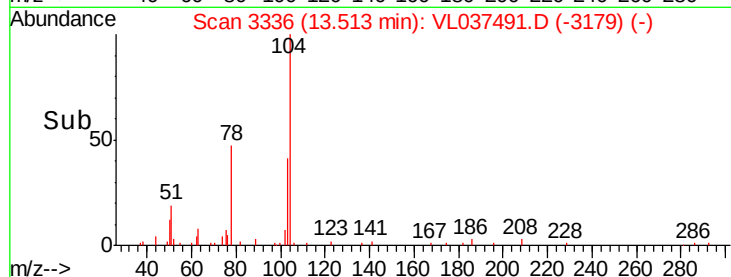
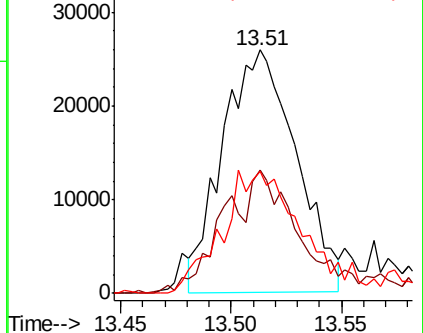
103 58.7 39.4 59.0



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: 0.460 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. -0.00 min

Lab File: VL037491.D

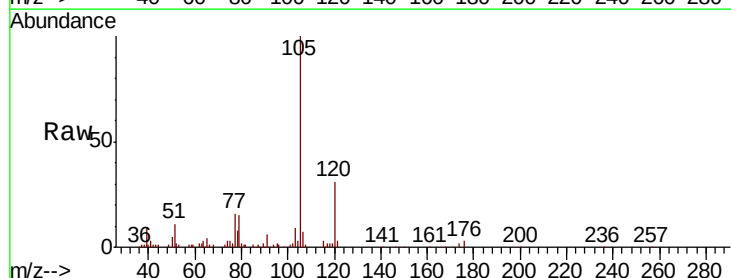
Acq: 18 Aug 2021 14:50

Tgt Ion:105 Resp: 257330

Ion Ratio Lower Upper

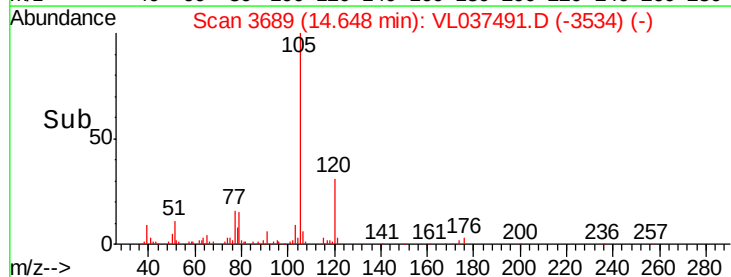
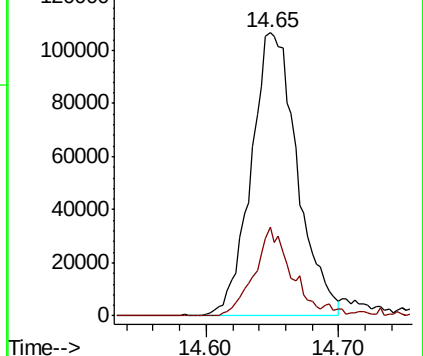
105 100

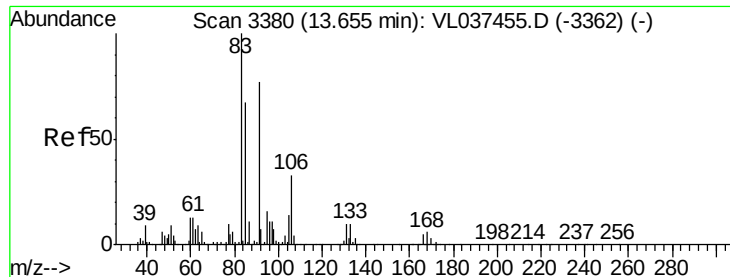
120 26.6 21.5 32.3



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: 0.288 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampleId :

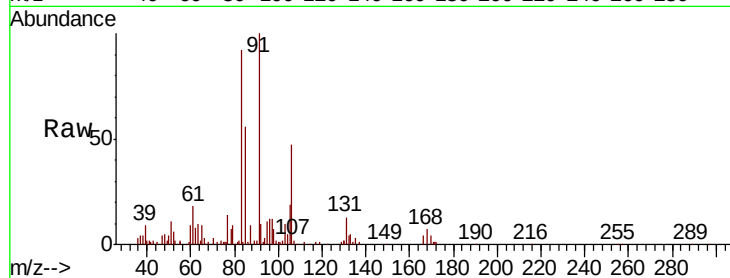
Tot Ion: 83 Resp: 84770

Ion Ratio Lower Upper

83 100

131 19.2 5.0 15.0#

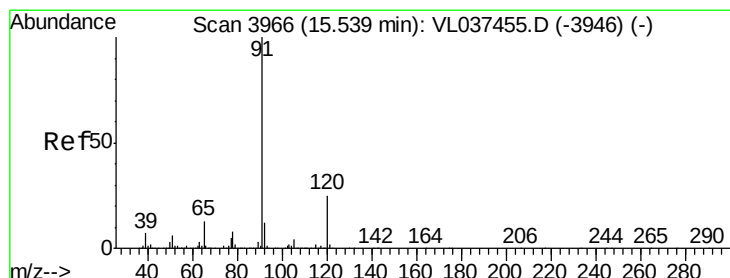
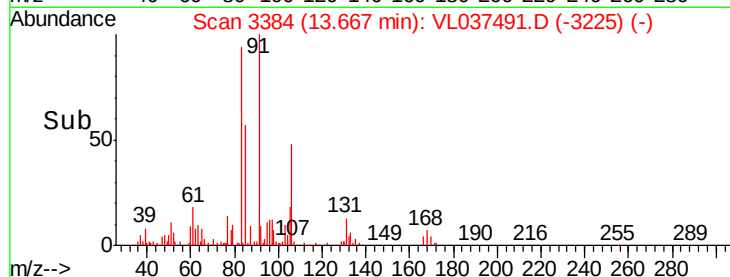
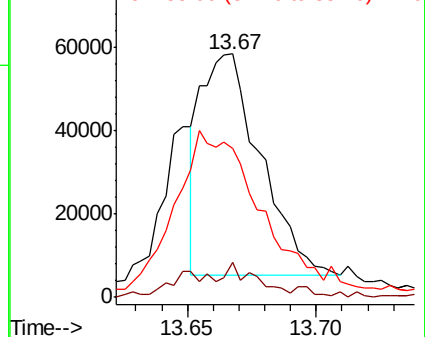
85 119.4 33.8 101.3#



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: 0.252 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. 0.00 min

Lab File: VL037491.D

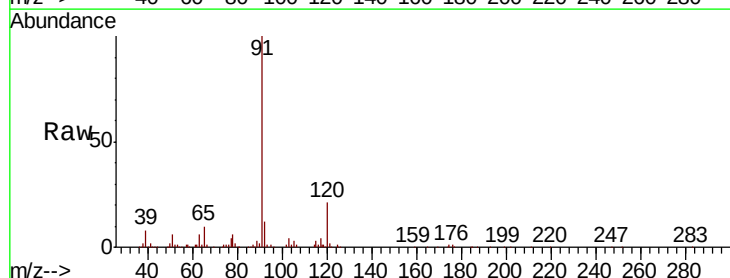
Acq: 18 Aug 2021 14:50

Tgt Ion:120 Resp: 35798

Ion Ratio Lower Upper

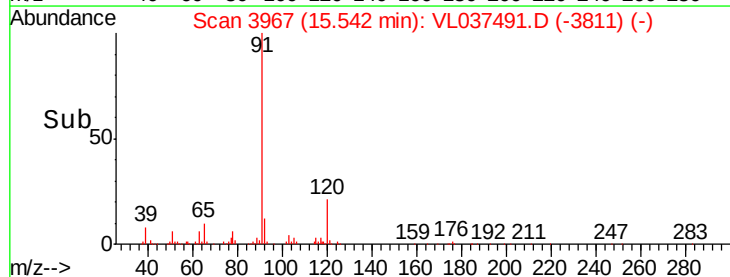
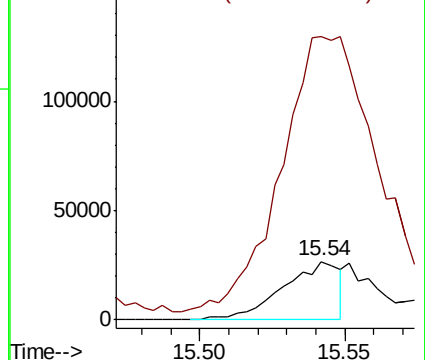
120 100

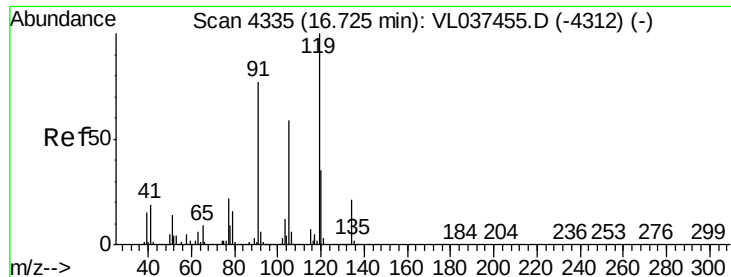
91 493.9 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

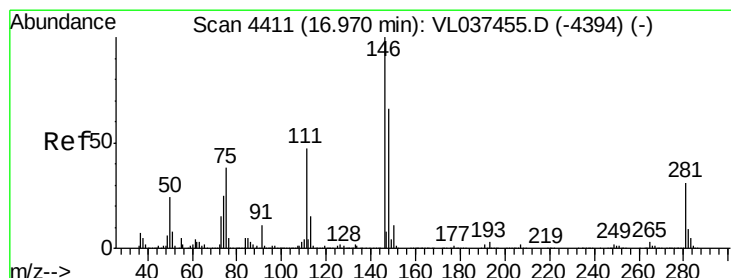
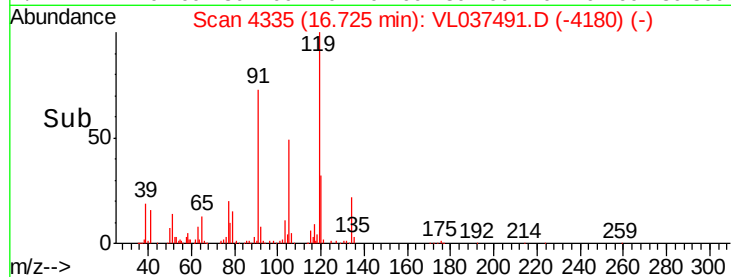
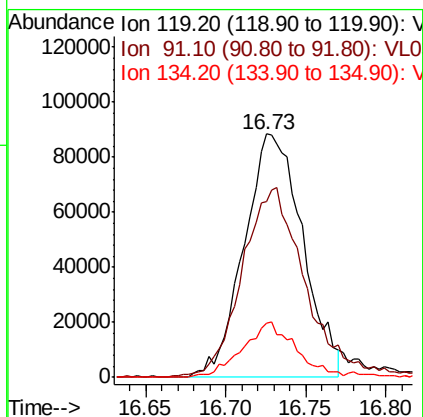
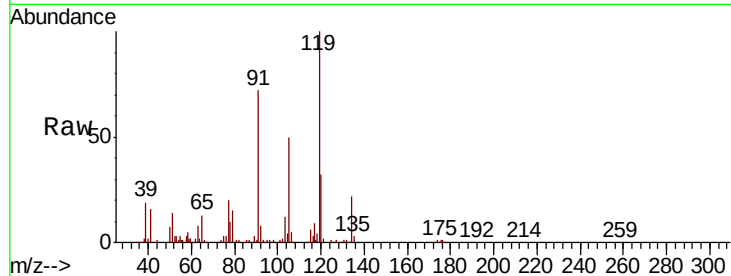




#65
tert-Butylbenzene
Concen: 0.438 ppbv
RT: 16.73 min Scan# 4335
Delta R.T. -0.00 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

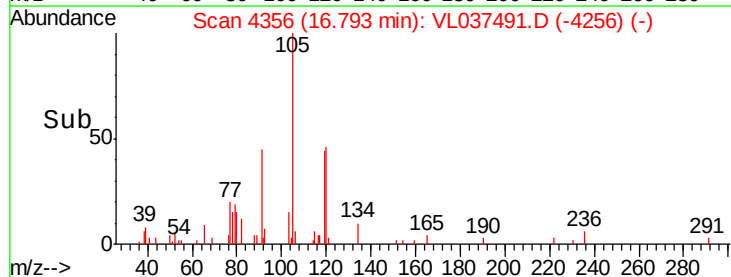
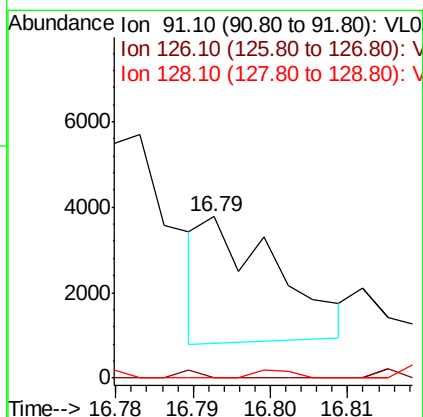
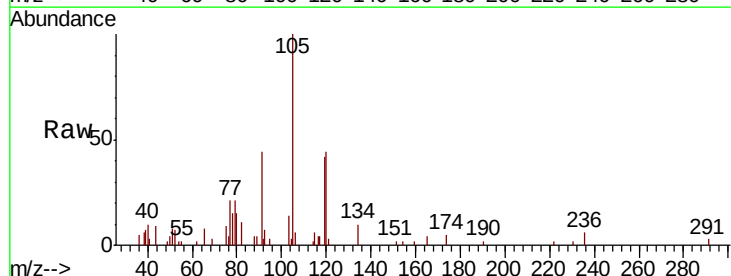
Instrument :
MSVOA_L
ClientSampled :

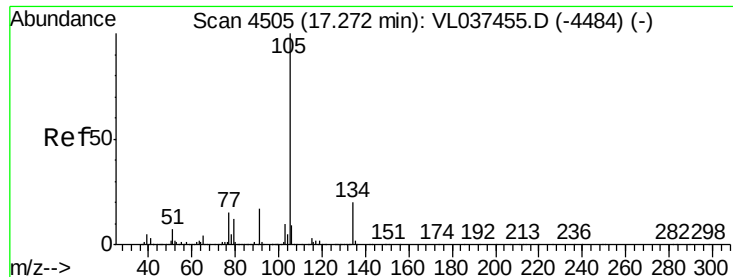
Tot Ion	Ratio	Lower	Upper
119	100		
91	85.6	62.9	94.3
134	21.7	16.4	24.6



#66
Benzyl Chloride
Concen: 0.085 ppbv
RT: 16.79 min Scan# 4356
Delta R.T. -0.18 min
Lab File: VL037491.D
Acq: 18 Aug 2021 14:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	15.9	23.9#
128	11.8	5.4	8.0#





#67

sec-Butylbenzene

Concen: 0.443 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

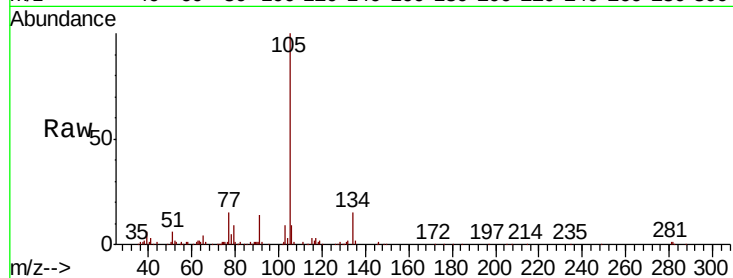
ClientSampleId :

Tot Ion: 105 Resp: 315238

Ion Ratio Lower Upper

105 100

134 18.1 15.2 22.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.28

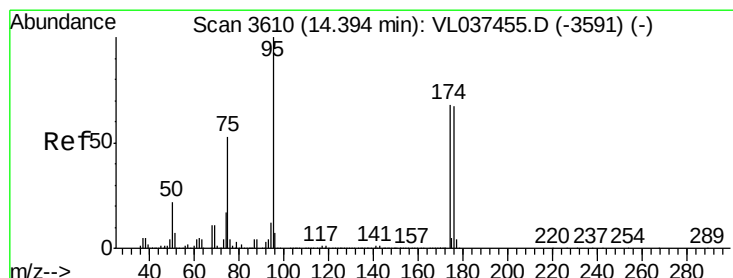
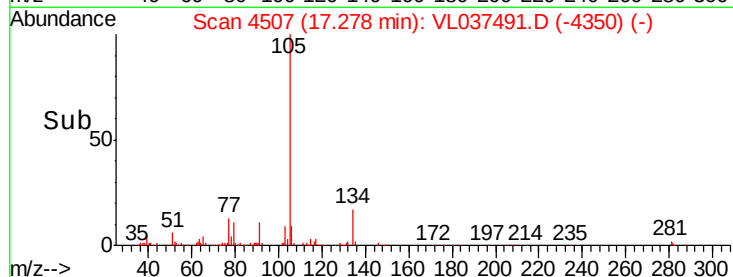
150000

100000

50000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.180 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

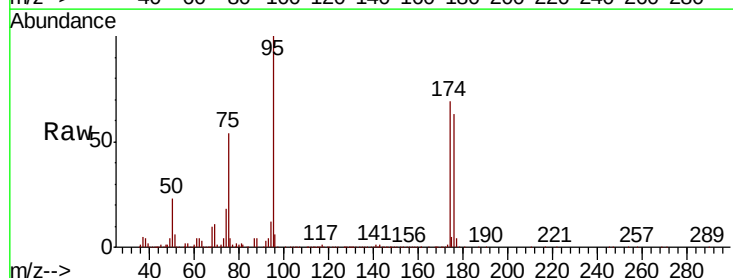
Tgt Ion: 95 Resp: 2550665

Ion Ratio Lower Upper

95 100

174 74.9 59.6 89.4

175 5.7 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

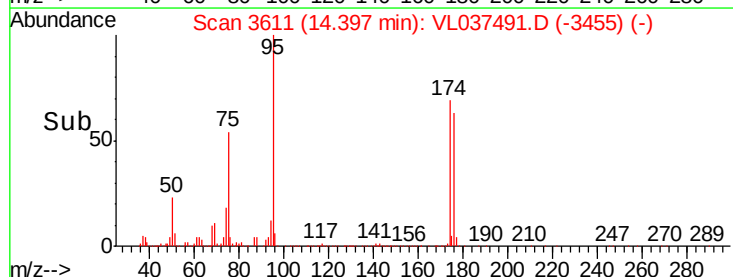
14.40

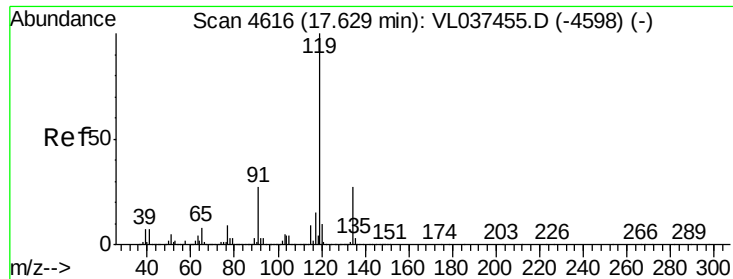
1000000

500000

0

Time-->





#69

p-Isopropyltoluene

Concen: 0.413 ppbv

RT: 17.64 min Scan# 4618

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampled :

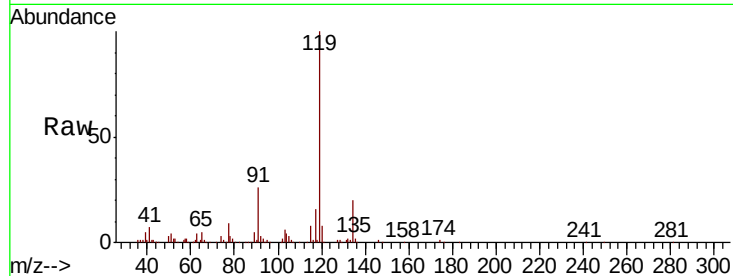
Tot Ion: 119 Resp: 239642

Ion Ratio Lower Upper

119 100

134 24.2 21.1 31.7

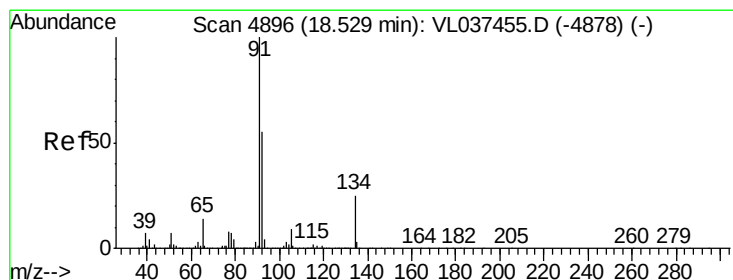
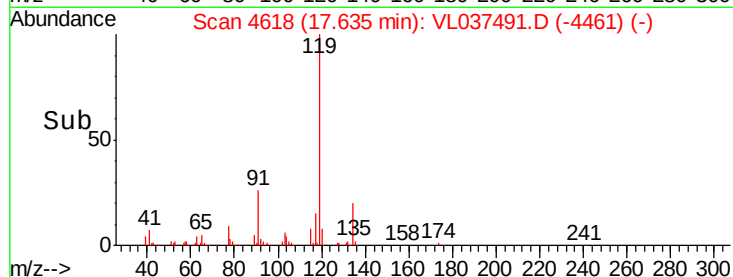
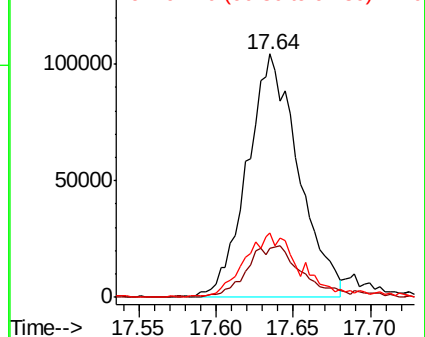
91 30.0 22.4 33.6



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 0.412 ppbv

RT: 18.53 min Scan# 4897

Delta R.T. 0.00 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

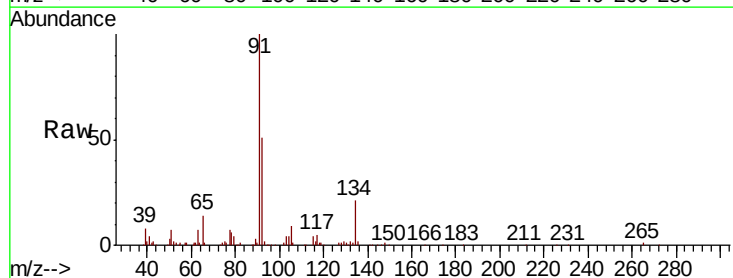
Tgt Ion: 91 Resp: 227933

Ion Ratio Lower Upper

91 100

92 52.8 44.0 66.0

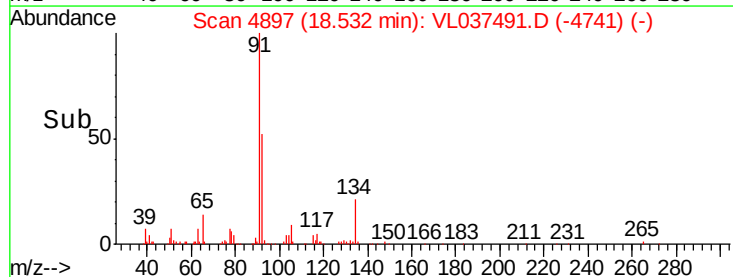
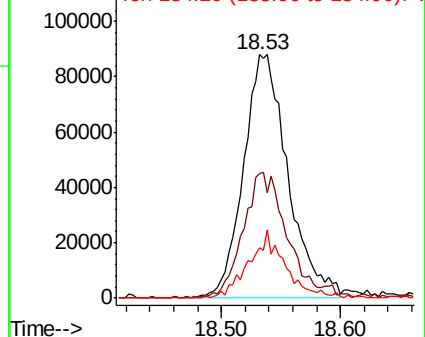
134 22.9 19.5 29.3

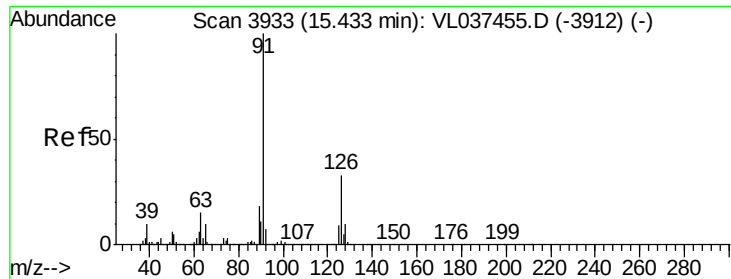


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

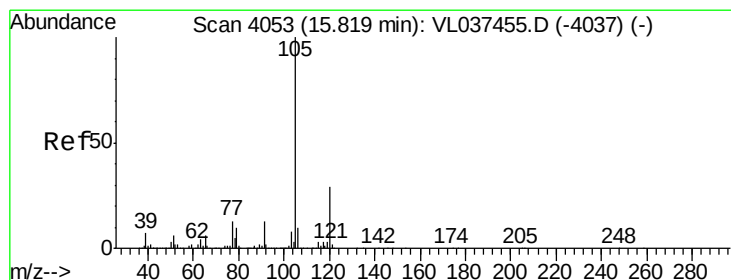
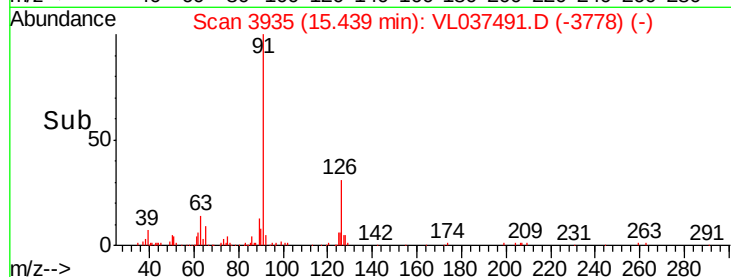
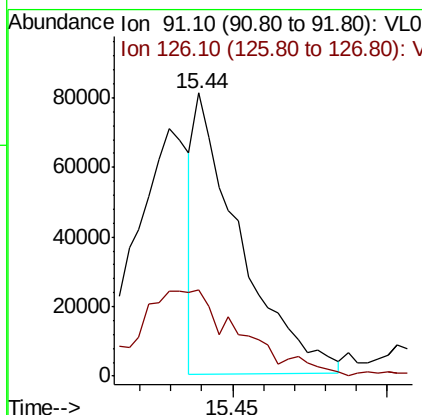
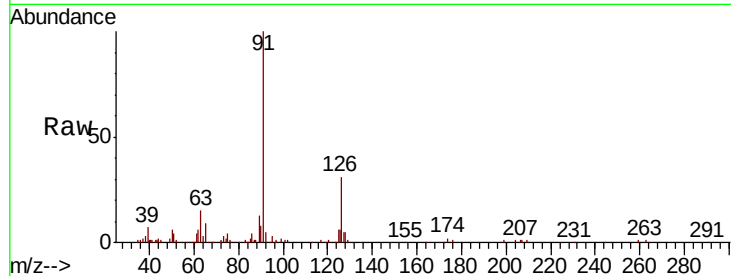




#71
 2-Chlorotoluene
 Concen: 0.200 ppbv
 RT: 15.44 min Scan# 3935
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

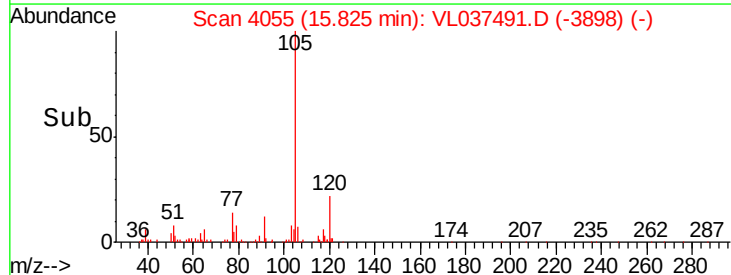
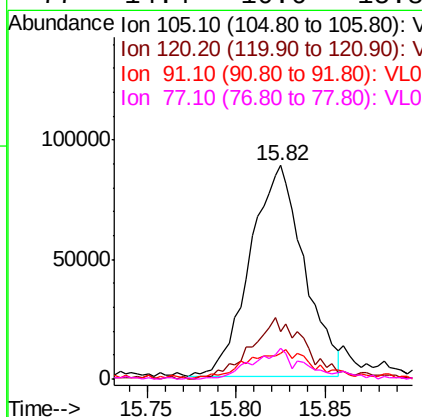
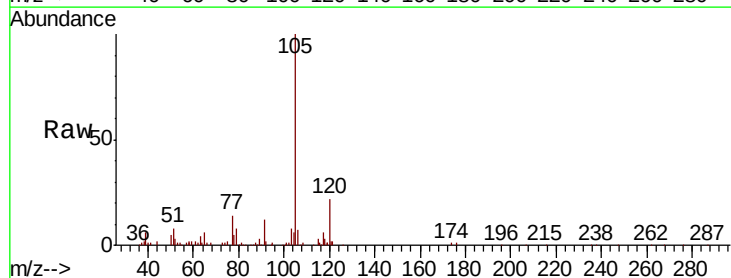
Instrument :
 MSVOA_L
 ClientSampled :

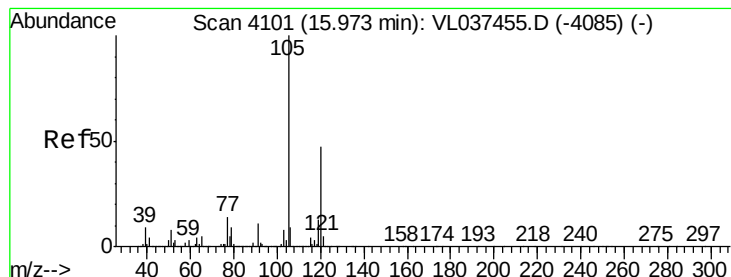
Tot Ion: 91 Resp: 81981
 Ion Ratio Lower Upper
 91 100
 126 74.5 13.6 54.4#



#72
 4-Ethyltoluene
 Concen: 0.399 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T. 0.01 min
 Lab File: VL037491.D
 Acq: 18 Aug 2021 14:50

Tgt Ion: 105 Resp: 187922
 Ion Ratio Lower Upper
 105 100
 120 29.7 24.7 37.1
 91 15.2 9.8 14.8#
 77 14.4 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 0.414 ppbv

RT: 15.98 min Scan# 4103

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

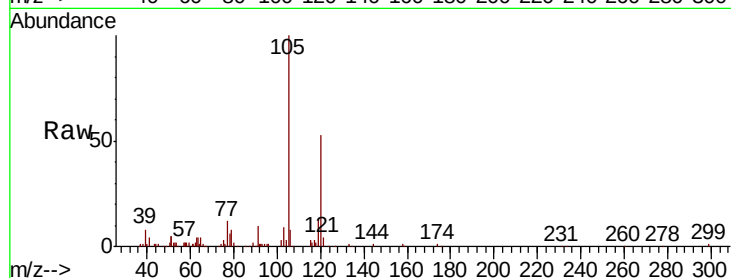
ClientSampleId :

Tot Ion:105 Resp: 181424

Ion Ratio Lower Upper

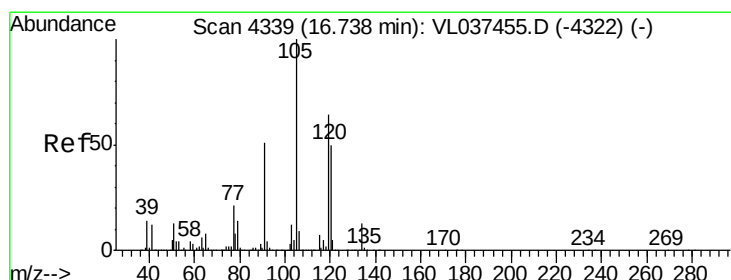
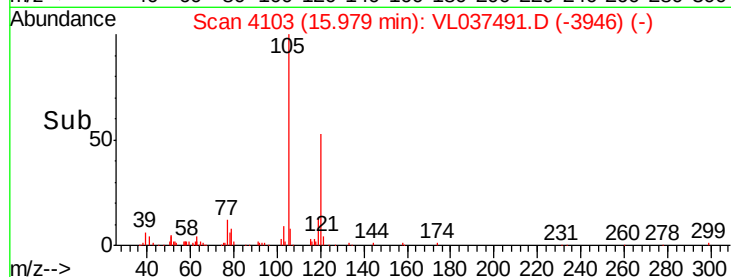
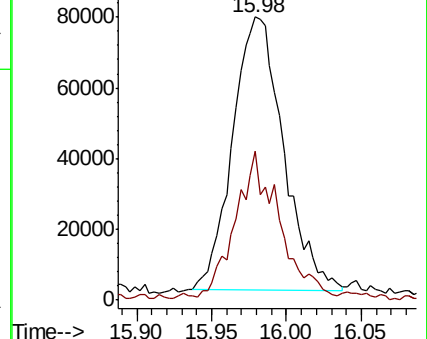
105 100

120 52.7 37.6 56.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.446 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. 0.00 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Tgt Ion:105 Resp: 207785

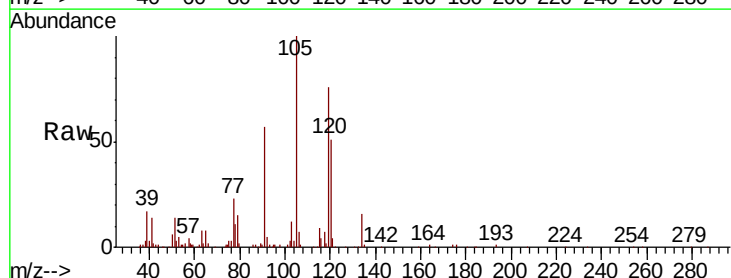
Ion Ratio Lower Upper

105 100

120 49.5 40.4 60.6

91 53.3 44.6 67.0

77 20.1 17.8 26.6

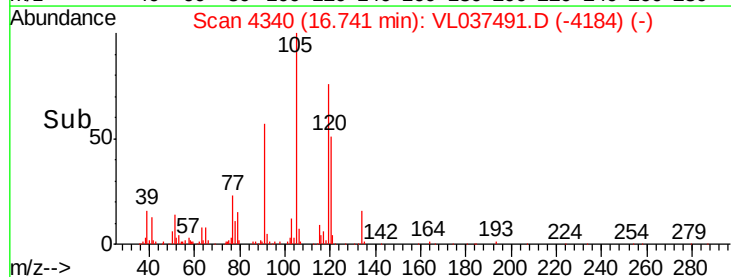
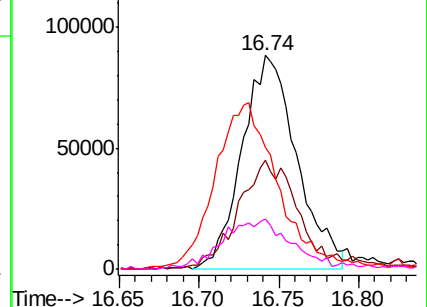


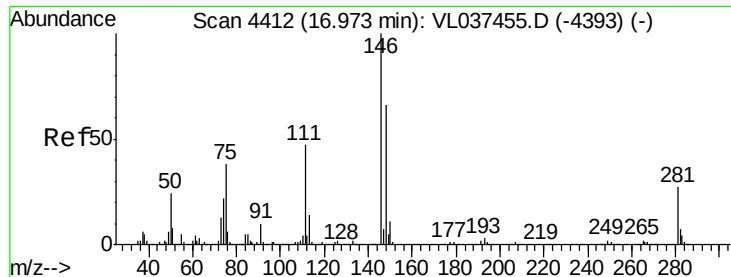
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 0.460 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. 0.00 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampleId :

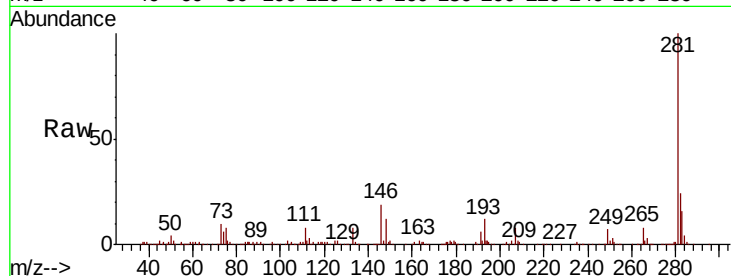
Tot Ion:146 Resp: 128954

Ion Ratio Lower Upper

146 100

111 53.6 23.4 70.0

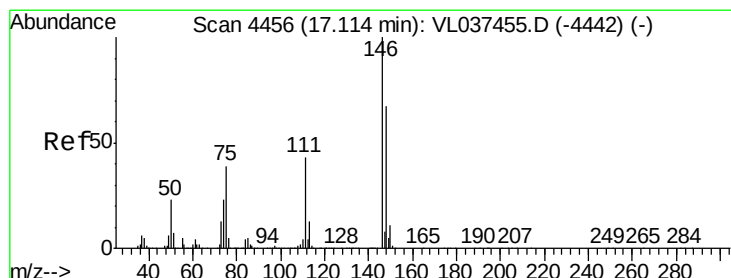
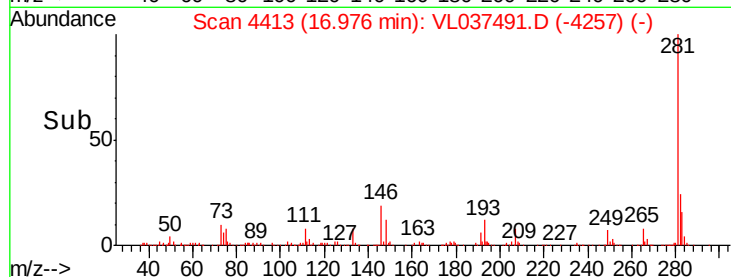
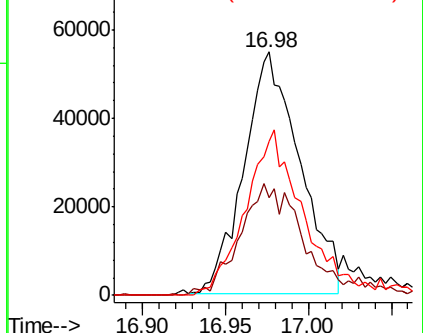
148 69.5 33.1 99.5



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: 0.406 ppbv

RT: 17.12 min Scan# 4457

Delta R.T. 0.00 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

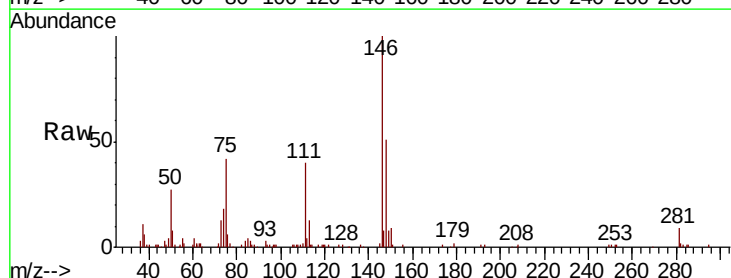
Tgt Ion:146 Resp: 114760

Ion Ratio Lower Upper

146 100

111 52.1 22.1 66.5

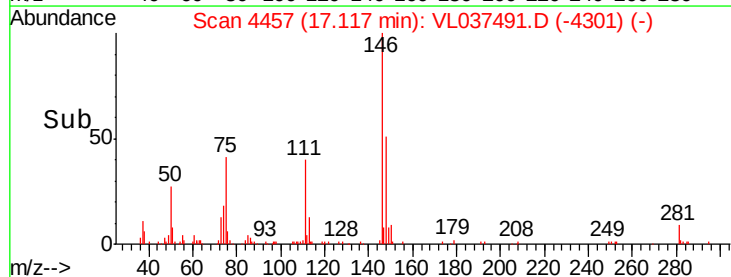
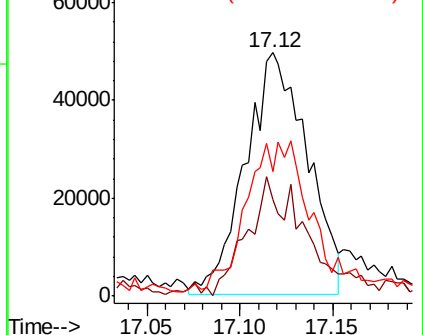
148 75.5 32.4 97.0

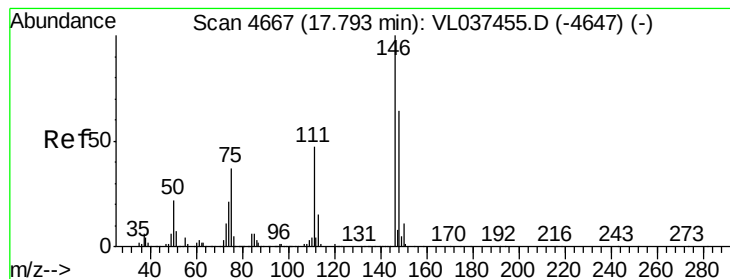


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.293 ppbv

RT: 17.80 min Scan# 4669

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampleId :

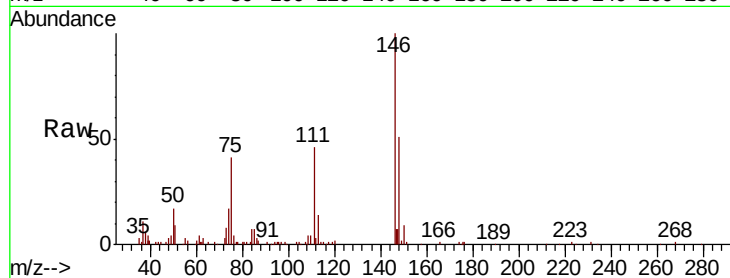
Tot Ion:146 Resp: 80823

Ion Ratio Lower Upper

146 100

111 78.0 23.4 70.3#

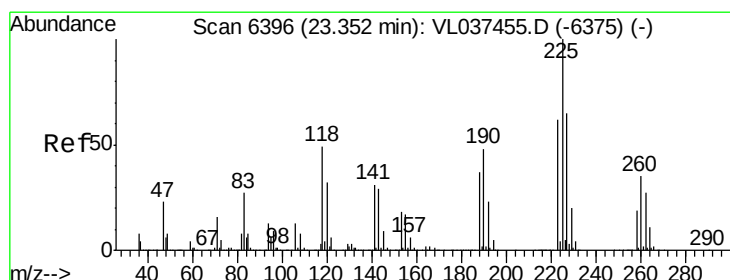
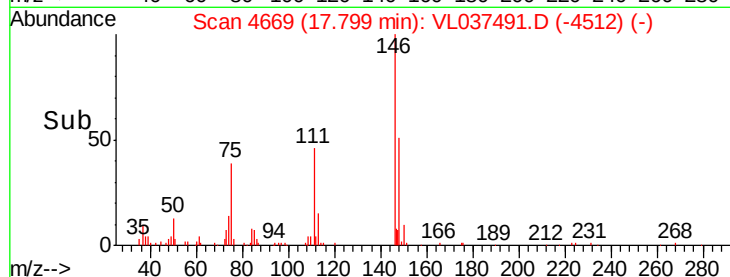
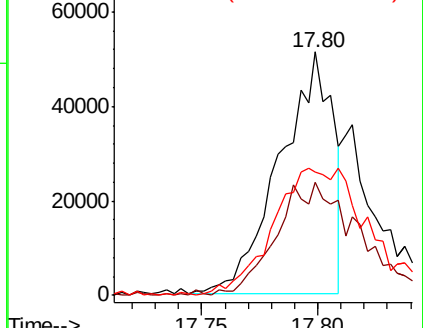
148 103.0 32.5 97.5#



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



#78

Hexachloro-1,3-Butadiene

Concen: 0.472 ppbv

RT: 23.36 min Scan# 6398

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

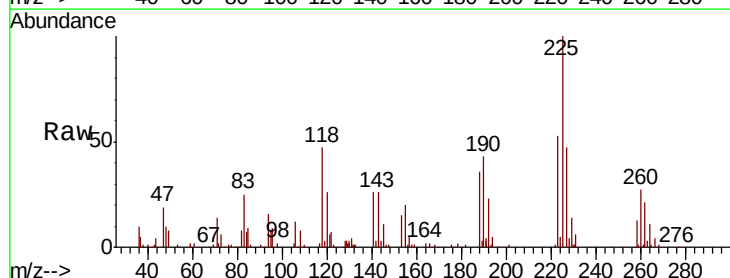
Tgt Ion:225 Resp: 108478

Ion Ratio Lower Upper

225 100

223 70.5 51.4 77.0

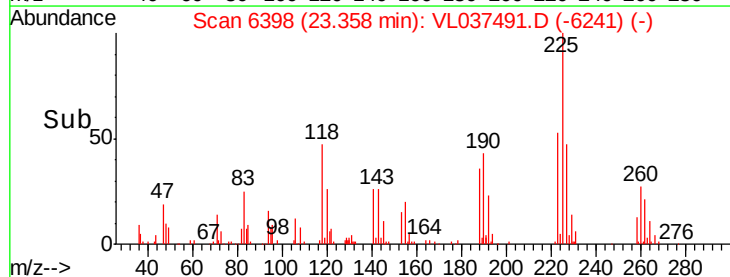
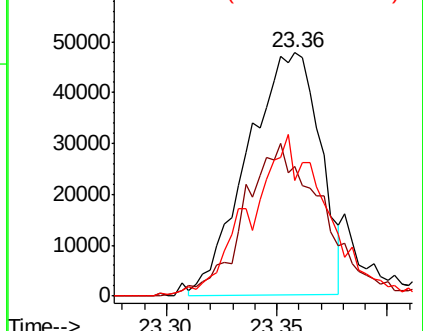
227 70.2 52.9 79.3

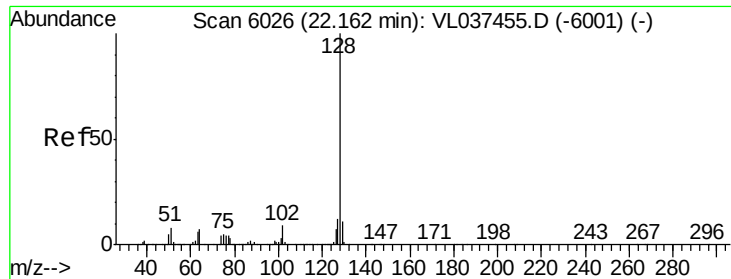


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.108 ppbv

RT: 22.17 min Scan# 6029

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampleId :

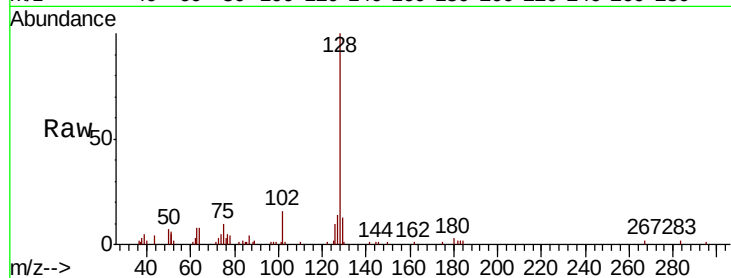
Tot Ion:128 Resp: 33594

Ion Ratio Lower Upper

128 100

127 13.0 9.4 14.2

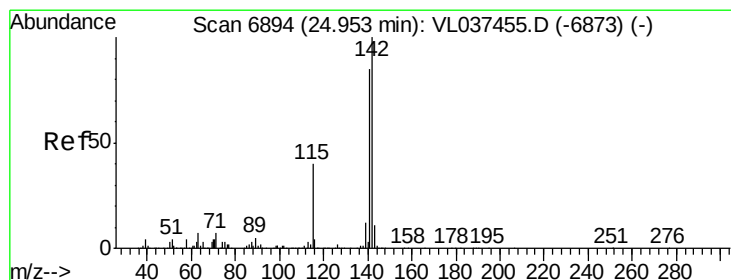
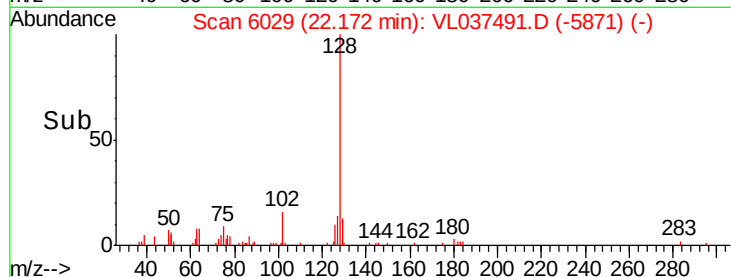
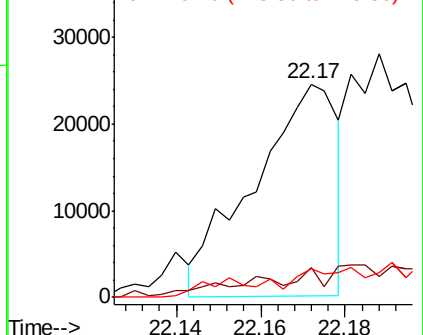
129 11.5 8.8 13.2



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: 0.040 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. -0.00 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

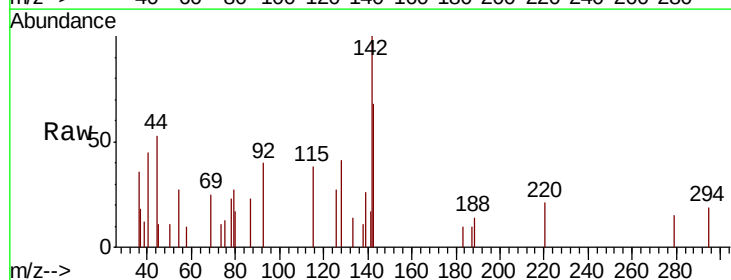
Tgt Ion:142 Resp: 3509

Ion Ratio Lower Upper

142 100

141 0.0 64.7 97.1#

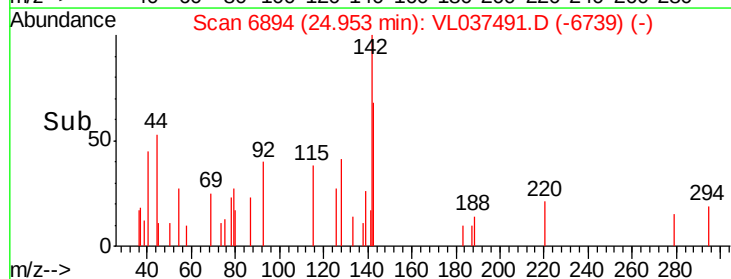
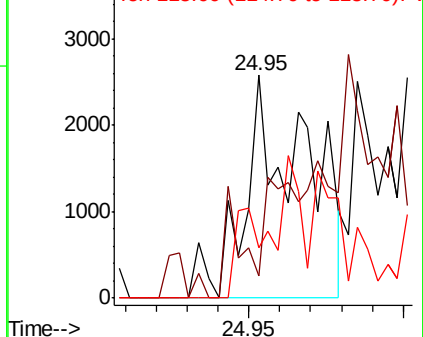
115 39.5 28.4 42.6

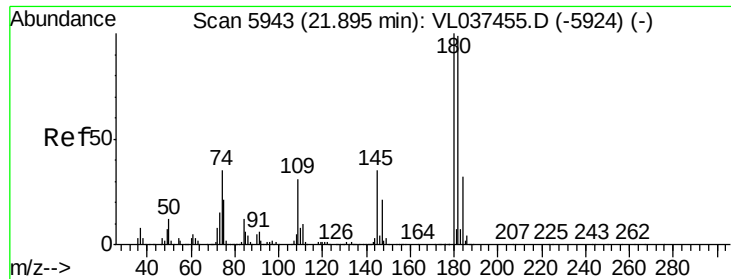


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 0.066 ppbv

RT: 21.90 min Scan# 5946

Delta R.T. 0.01 min

Lab File: VL037491.D

Acq: 18 Aug 2021 14:50

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:180 Resp: 12987

Ion Ratio Lower Upper

180 100

182 528.3 79.6 119.4#

184 0.0 25.4 38.2#

