

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081321\
 Data File : VL037450.D
 Acq On : 13 Aug 2021 15:50
 Operator : SY/AP
 Sample : M2262-14 0.03 LOQ
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 16 02:36:14 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	5.66	49	1171484	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3617590	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3093906	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2217286	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	6199	0.035	ppbv 90
3) Chlorodifluoromethane	2.99	51	11038	0.048	ppbv 98
4) Chloromethane	3.14	50	3250	0.039	ppbv # 77
5) Vinyl Chloride	3.25	62	2573	0.028	ppbv # 71
6) Bromomethane	3.48	94	2106	0.045	ppbv # 28
7) Chloroethane	3.56	64	419	0.014	ppbv # 64
8) Dichlorotetrafluoroethane	3.18	85	6202	0.031	ppbv # 13
9) Propene	3.31	41	967	0.013	ppbv 98
10) Heptane	8.12	43	769	0.004	ppbv # 27
11) Trichlorofluoromethane	3.95	101	5785	0.030	ppbv 94
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2152	0.016	ppbv # 1
13) Ethanol	3.62	45	284	0.034	ppbv 100
14) Bromoethene	3.73	108	400	0.007	ppbv # 1
15) Acetone	3.82	43	238	0.002	ppbv # 44
16) 1,3-Butadiene	3.32	39	1761	0.021	ppbv # 11
17) tert-Butyl alcohol	4.30	59	200	0.002	ppbv # 72
18) 1,1-Dichloroethene	4.28	96	732	0.012	ppbv # 23
19) Isopropyl Alcohol	3.99	45	99	0.001	ppbv # 1
20) Methylene Chloride	4.35	84	2788	0.042	ppbv # 38
21) Allyl Chloride	4.41	41	2558	0.026	ppbv # 34
22) trans-1,2-Dichloroethene	4.88	96	472	0.008	ppbv # 19
23) Vinyl Acetate	5.07	43	892	0.005	ppbv # 48
24) 1,1-Dichloroethane	5.01	63	3251	0.022	ppbv # 73
25) Ethyl Acetate	5.67	43	1448	0.005	ppbv # 75
26) Hexane	5.68	57	3754	0.025	ppbv # 11
27) Carbon Disulfide	4.55	76	673	0.005	ppbv # 64
28) Methyl tert-Butyl Ether	5.05	73	895	0.005	ppbv # 52
29) Chloroform	5.79	83	740	0.003	ppbv 92
30) Cyclohexane	7.13	84	1301	0.010	ppbv # 1
31) cis-1,2-Dichloroethene	5.54	61	2499	0.019	ppbv # 43
32) 1,1,1-Trichloroethane	6.52	97	1830	0.008	ppbv # 1
34) 2-Butanone	5.25	43	1906	0.013	ppbv # 54
35) Carbon Tetrachloride	7.02	117	1201	0.005	ppbv # 14
36) Benzene	6.90	78	1570	0.005	ppbv # 53
37) 1,2-Dichloroethane	6.30	62	2280	0.015	ppbv # 80
38) Trichloroethene	7.83	130	1267	0.009	ppbv # 56
39) 1,2-Dichloropropane	7.17	63	854377	7.353	ppbv # 27
40) 1,4-Dioxane	7.84	88	223	0.008	ppbv # 100
41) Tetrahydrofuran	6.02	42	30	0.000	ppbv # 34
42) Bromodichloromethane	7.79	83	1464	0.007	ppbv # 78
43) Methyl Methacrylate	8.01	69	528	0.005	ppbv # 1

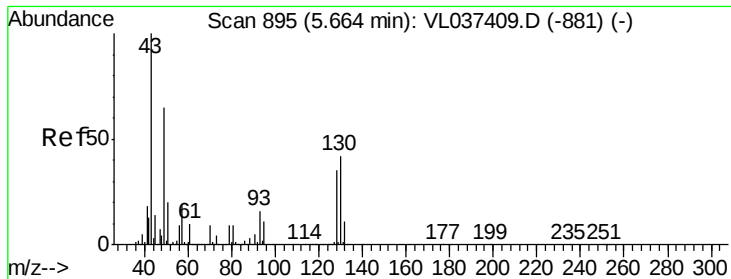
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081321\
 Data File : VL037450.D
 Acq On : 13 Aug 2021 15:50
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Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 16 02:36:14 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)
44) 2,2,4-Trimethylpentane	7.87	57	3018	0.006	ppbv #	42
45) t-1,3-Dichloropropene	9.28	75	923	0.012	ppbv #	64
46) cis-1,3-Dichloropropene	8.70	75	823	0.008	ppbv	89
47) 1,1,2-Trichloroethane	9.47	97	1292	0.010	ppbv #	37
48) Dibromochloromethane	10.47	129	190	0.001	ppbv	82
49) Bromoform	13.04	173	557	0.004	ppbv #	27
50) 4-Methyl-2-Pentanone	8.73	43	122	0.001	ppbv #	38
51) 2-Hexanone	10.14	43	92	0.001	ppbv #	28
52) Tetrachloroethene	11.22	164	2490	0.019	ppbv #	8
53) Toluene	9.81	91	4091	0.012	ppbv #	20
54) 1,2-Dibromoethane	10.64	107	233	0.001	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.12	131	2757	0.022	ppbv #	2
57) Chlorobenzene	12.14	112	6572	0.026	ppbv #	92
58) Ethyl Benzene	12.71	91	4008	0.010	ppbv	92
59) m/p-Xylene	13.00	91	3592	0.010	ppbv #	31
60) o-Xylene	13.69	91	1524	0.004	ppbv #	29
61) Styrene	13.52	104	2111	0.012	ppbv #	41
62) Isopropylbenzene	14.66	105	5125	0.010	ppbv #	48
63) 1,1,2,2-Tetrachloroethane	13.67	83	3990	0.015	ppbv #	24
64) n-propylbenzene	15.86	120	165	0.001	ppbv	78
65) tert-Butylbenzene	16.73	119	1247	0.003	ppbv #	1
66) Benzyl Chloride	16.99	91	858	0.042	ppbv #	1
67) sec-Butylbenzene	17.29	105	3326	0.006	ppbv #	58
69) p-Isopropyltoluene	17.65	119	2060	0.004	ppbv #	48
70) n-Butylbenzene	18.55	91	4002	0.009	ppbv #	1
71) 2-Chlorotoluene	15.45	91	5077	0.015	ppbv #	1
72) 4-Ethyltoluene	15.83	105	2216	0.006	ppbv #	54
73) 1,3,5-Trimethylbenzene	16.00	105	3838	0.010	ppbv #	45
74) 1,2,4-Trimethylbenzene	16.76	105	3303	0.009	ppbv #	38
75) 1,3-Dichlorobenzene	16.99	146	5837	0.025	ppbv #	23
76) 1,4-Dichlorobenzene	17.14	146	1786	0.008	ppbv #	22
77) 1,2-Dichlorobenzene	17.82	146	1565	0.007	ppbv #	1
78) Hexachloro-1,3-Butadiene	23.37	225	1909	0.010	ppbv #	1
79) Naphthalene	22.19	128	445	0.002	ppbv #	69
80) Naphthalene, 2-methyl-	25.15	142	248	0.006	ppbv #	36
81) 1,2,4-Trichlorobenzene	21.93	180	937	0.007	ppbv #	1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :
MSVOA_L
ClientSampleId :

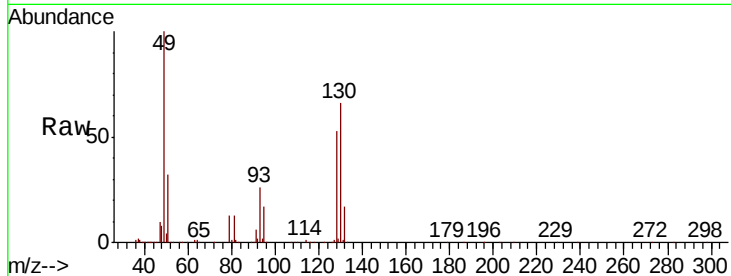
Tot Ion: 49 Resp: 1171484

Ion Ratio Lower Upper

49 100

128 57.7 27.9 83.6

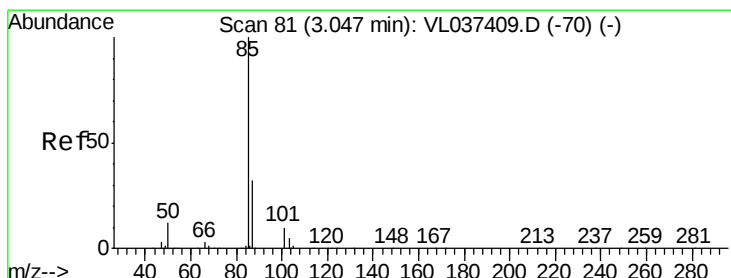
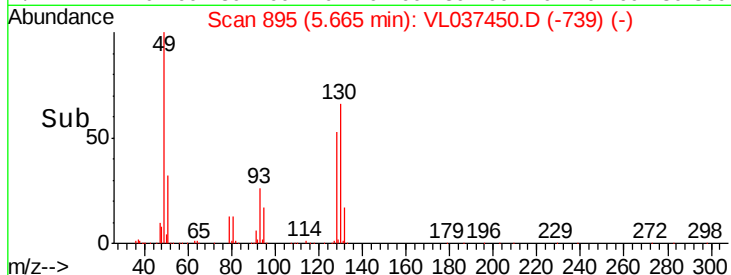
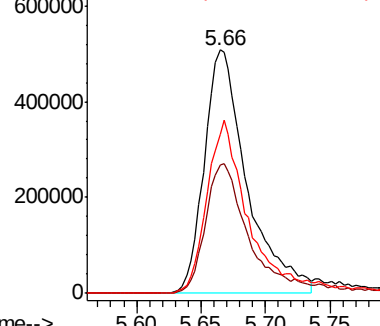
130 72.8 34.6 103.8



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: 0.035 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL037450.D

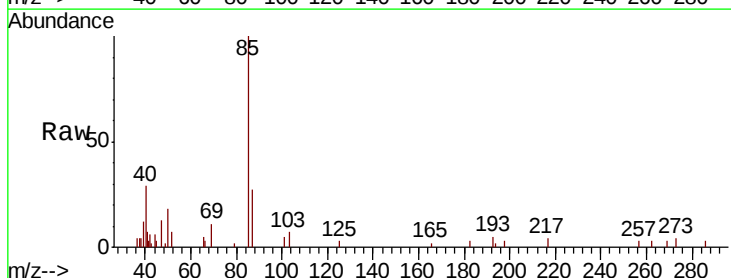
Acq: 13 Aug 2021 15:50

Tgt Ion: 85 Resp: 6199

Ion Ratio Lower Upper

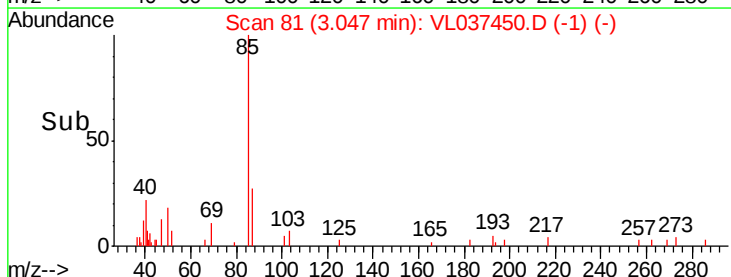
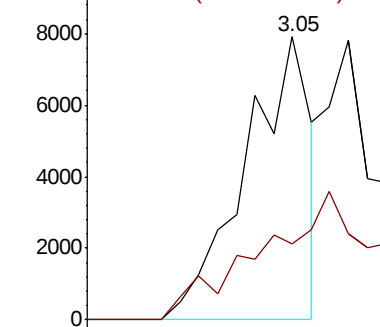
85 100

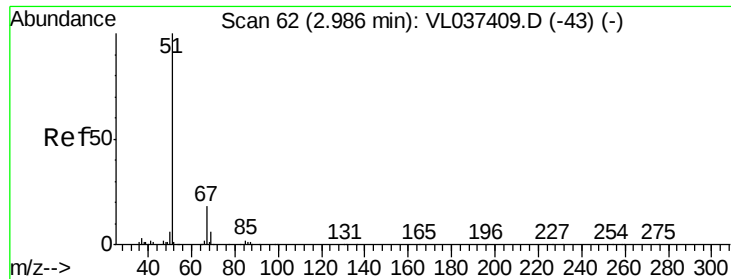
87 26.6 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

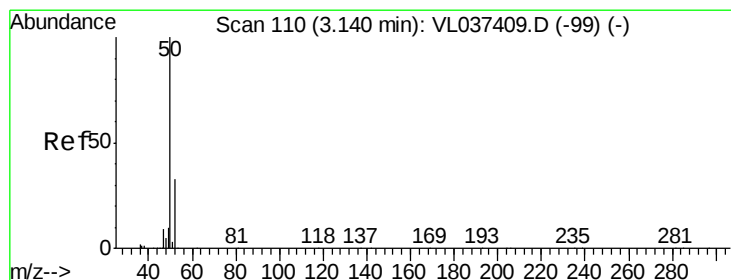
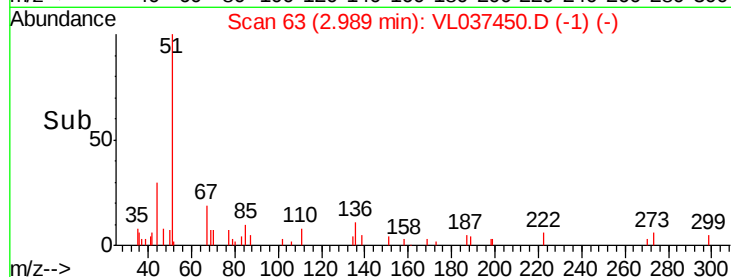
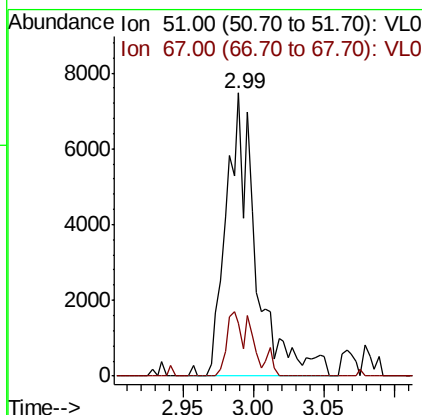
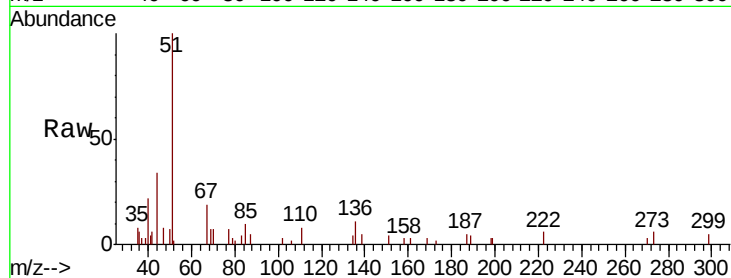




#3
 Chlorodifluoromethane
 Concen: 0.048 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. 0.00 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

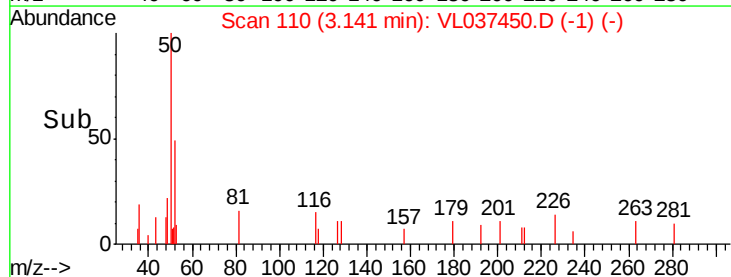
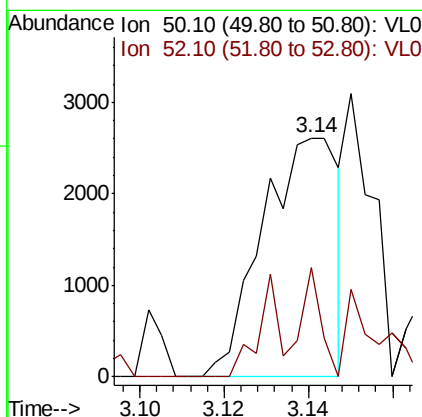
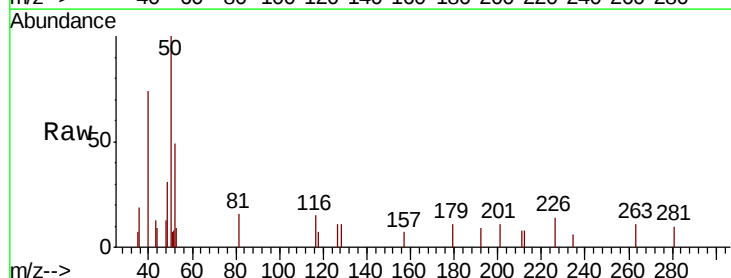
Instrument :
 MSVOA_L
 ClientSampleId :

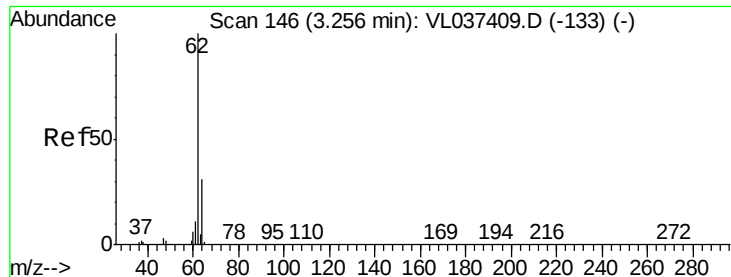
Tot Ion: 51 Resp: 11038
 Ion Ratio Lower Upper
 51 100
 67 19.5 14.7 22.1



#4
 Chloromethane
 Concen: 0.039 ppbv
 RT: 3.14 min Scan# 110
 Delta R.T. 0.00 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

Tgt Ion: 50 Resp: 3250
 Ion Ratio Lower Upper
 50 100
 52 45.7 26.2 39.4#





#5

Vinyl Chloride

Concen: 0.028 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :

MSVOA_L

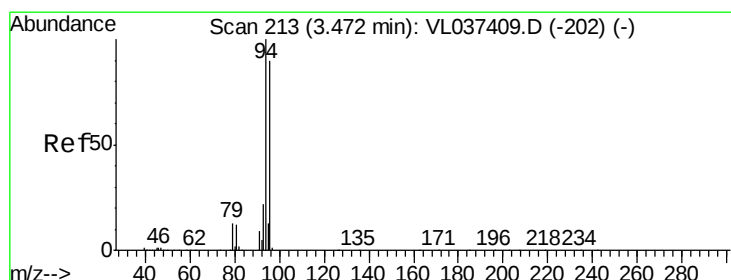
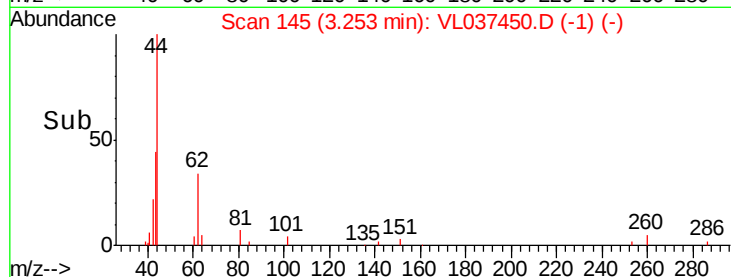
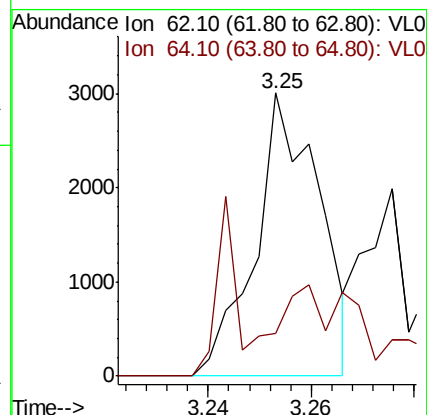
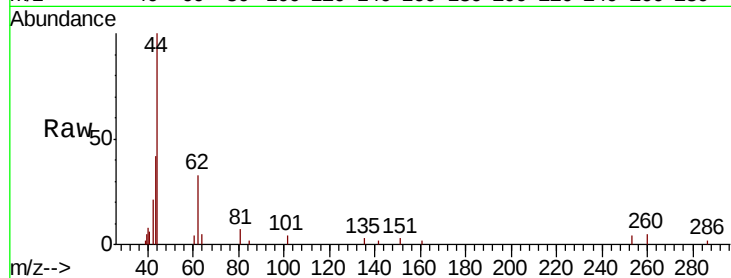
ClientSampleId :

Tot Ion: 62 Resp: 2573

Ion Ratio Lower Upper

62 100

64 15.3 25.0 37.6#



#6

Bromomethane

Concen: 0.045 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL037450.D

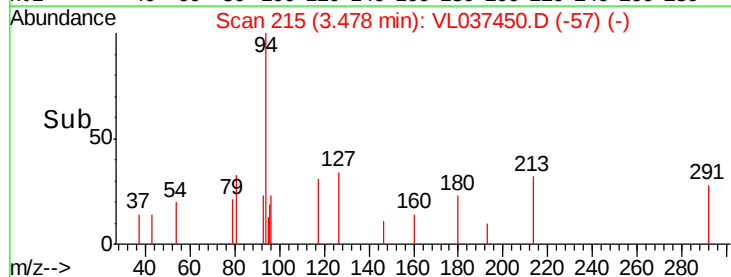
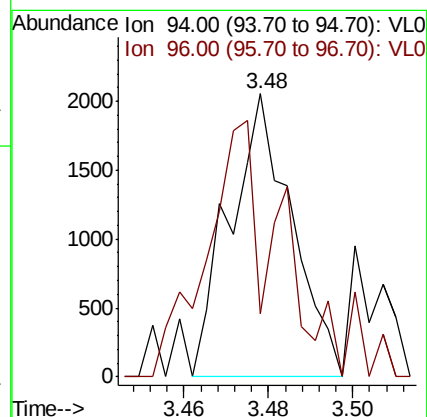
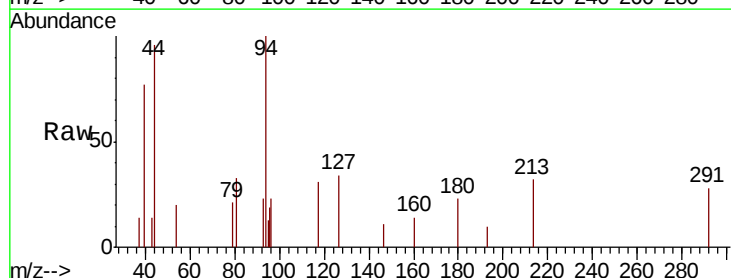
Acq: 13 Aug 2021 15:50

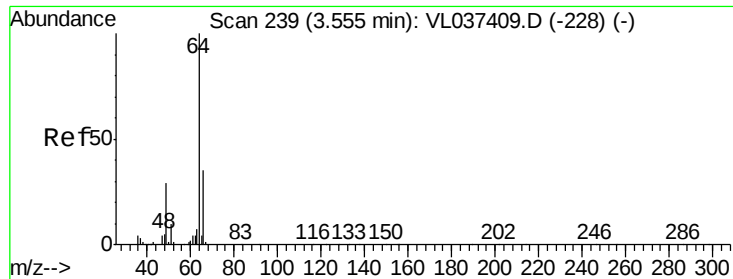
Tgt Ion: 94 Resp: 2106

Ion Ratio Lower Upper

94 100

96 22.5 72.2 108.4#





#7

Chloroethane

Concen: 0.014 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :

MSVOA_L

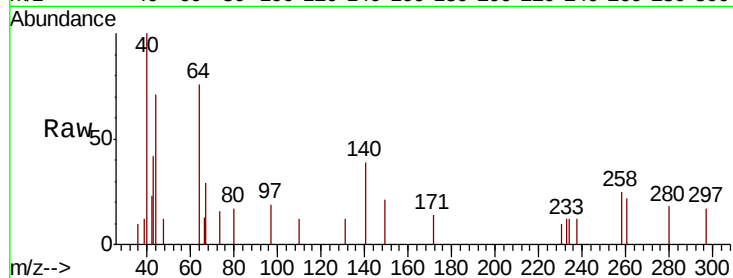
ClientSampled :

Tot Ion: 64 Resp: 419

Ion Ratio Lower Upper

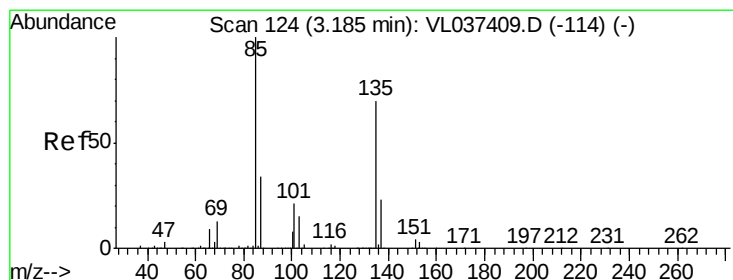
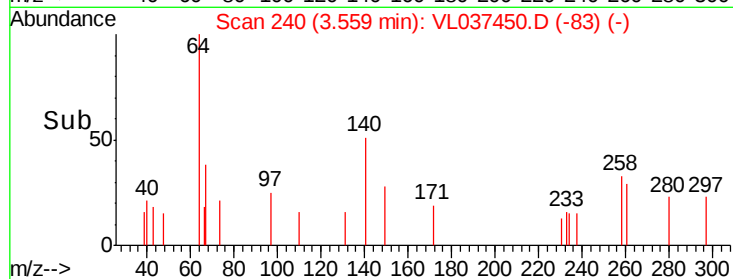
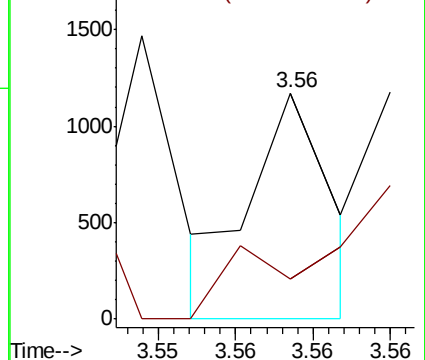
64 100

66 55.7 27.8 41.8#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.031 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL037450.D

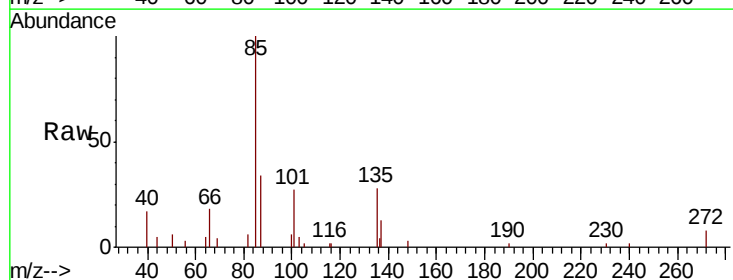
Acq: 13 Aug 2021 15:50

Tgt Ion: 85 Resp: 6202

Ion Ratio Lower Upper

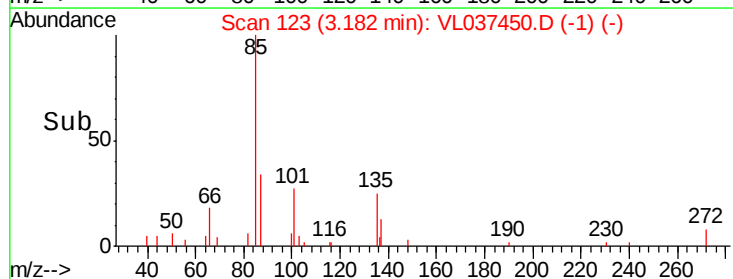
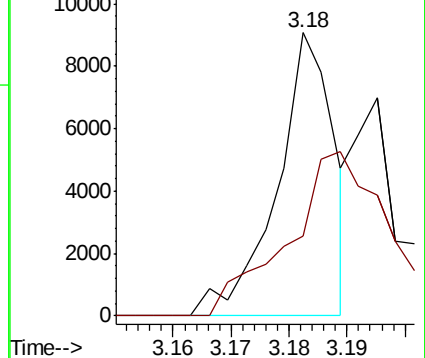
85 100

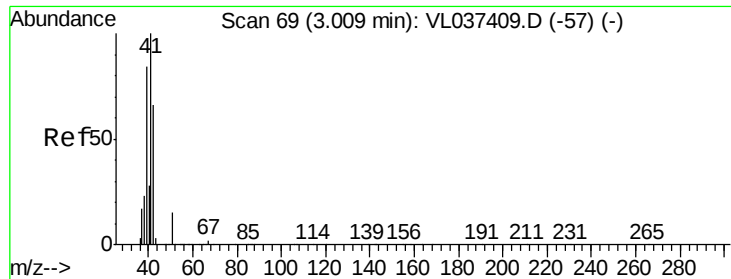
135 0.0 58.6 88.0#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.013 ppbv

RT: 3.31 min Scan# 163

Delta R.T. 0.30 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

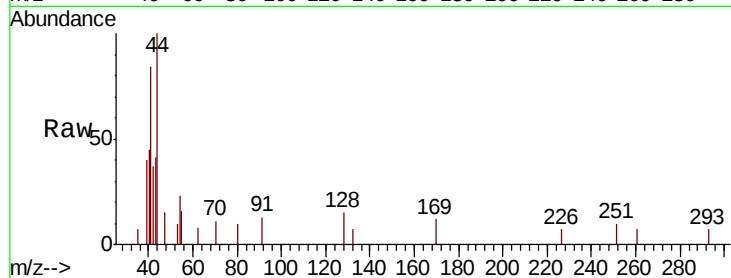
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 41 Resp: 967

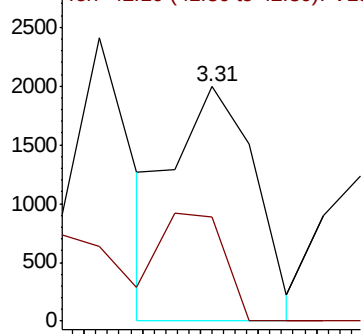
Ion Ratio Lower Upper

41 100

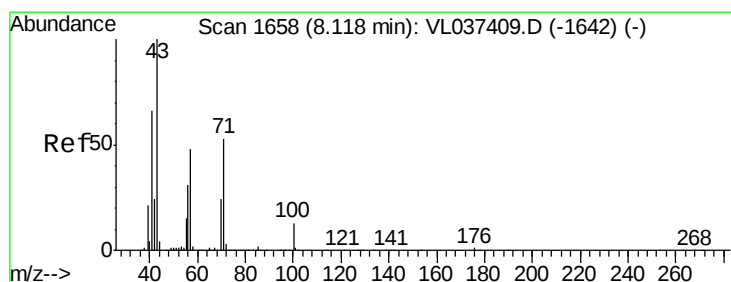
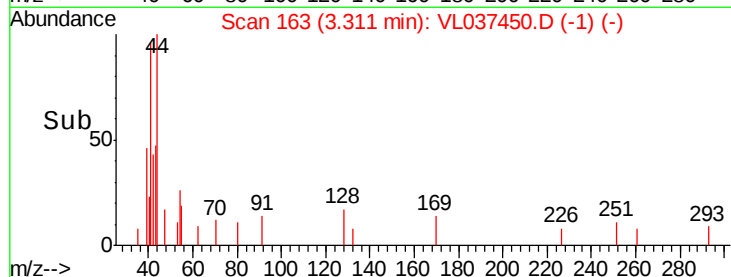
42 69.1 53.8 80.8



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



Time-->



#10

Heptane

Concen: 0.004 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VL037450.D

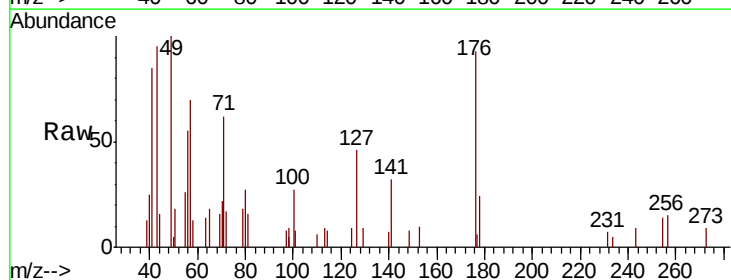
Acq: 13 Aug 2021 15:50

Tgt Ion: 43 Resp: 769

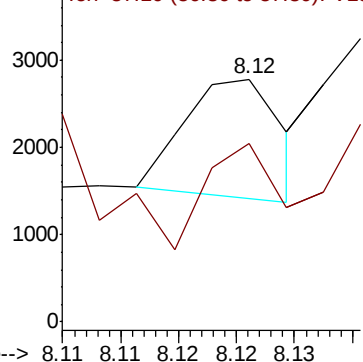
Ion Ratio Lower Upper

43 100

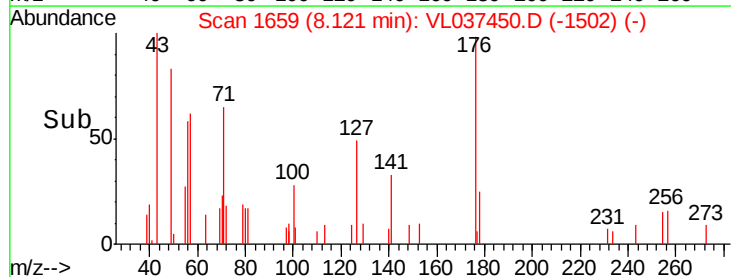
57 0.0 40.3 60.5#

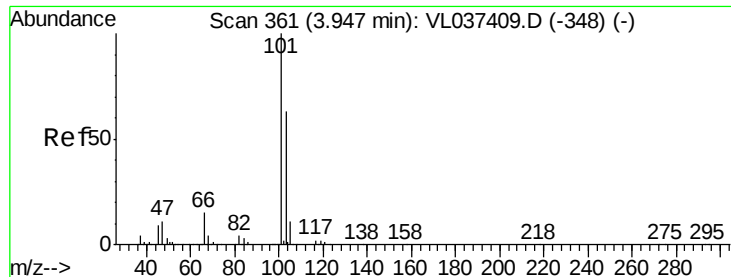


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0



Time-->





#11

Trichlorofluoromethane

Concen: 0.030 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :

MSVOA_L

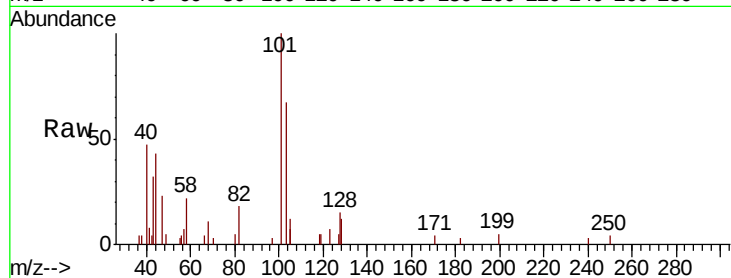
ClientSampled :

Tot Ion:101 Resp: 5785

Ion Ratio Lower Upper

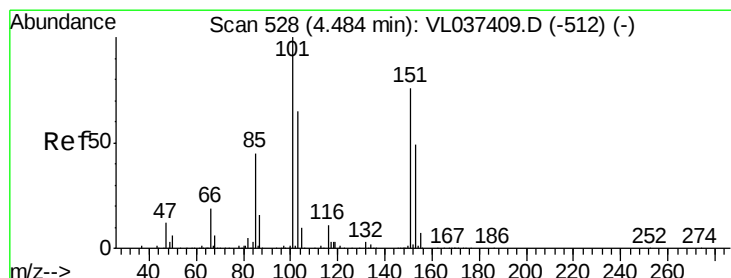
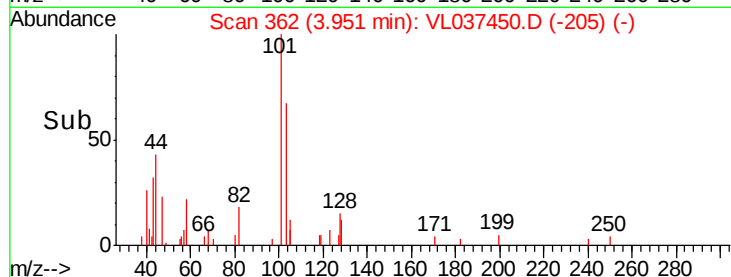
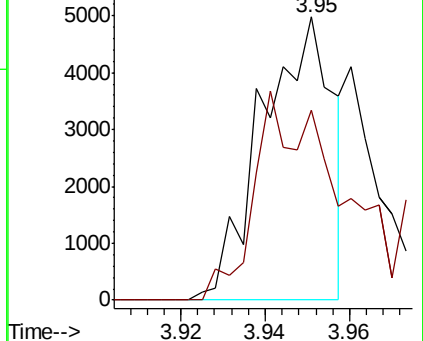
101 100

103 67.2 50.2 75.4



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: 0.016 ppbv

RT: 4.48 min Scan# 527

Delta R.T. -0.00 min

Lab File: VL037450.D

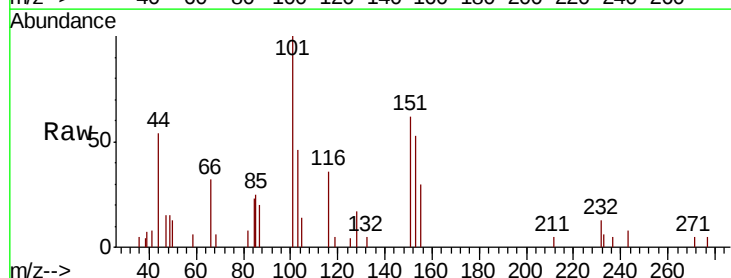
Acq: 13 Aug 2021 15:50

Tgt Ion:101 Resp: 2152

Ion Ratio Lower Upper

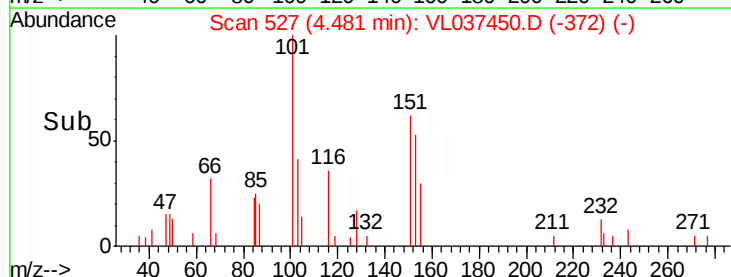
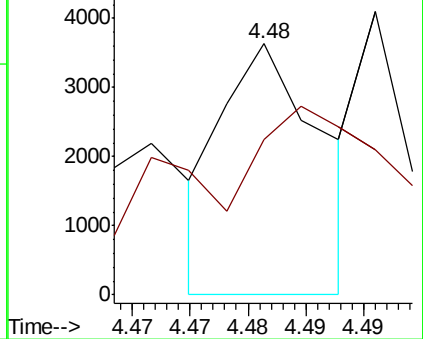
101 100

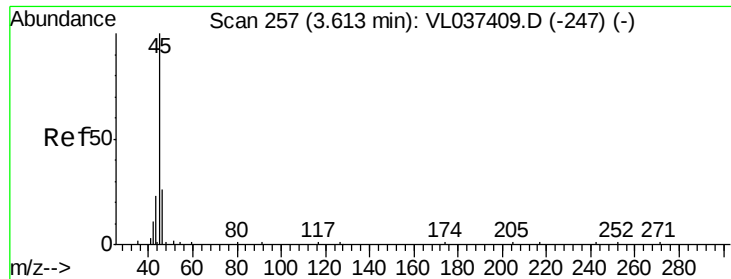
151 254.8 61.2 91.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

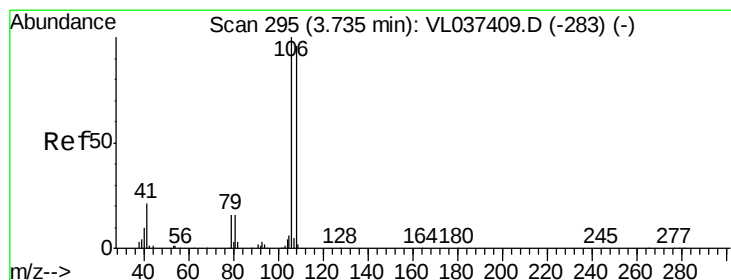
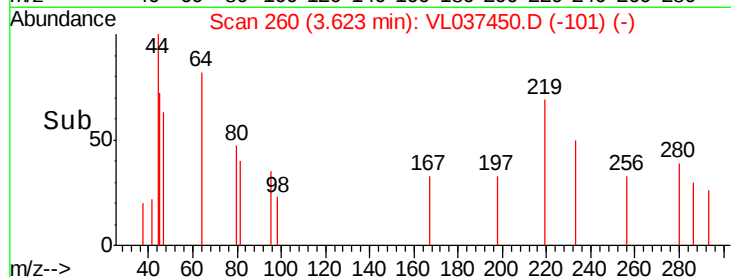
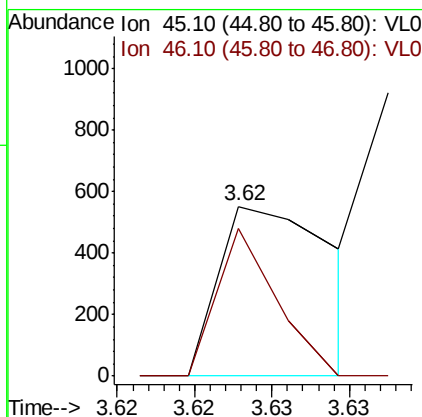
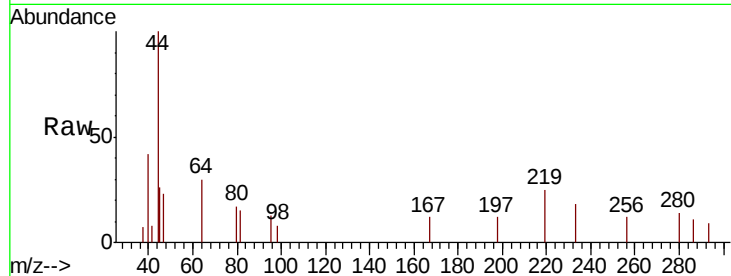




#13
Ethanol
Concen: 0.034 ppbv
RT: 3.62 min Scan# 260
Delta R.T. 0.01 min
Lab File: VL037450.D
Acq: 13 Aug 2021 15:50

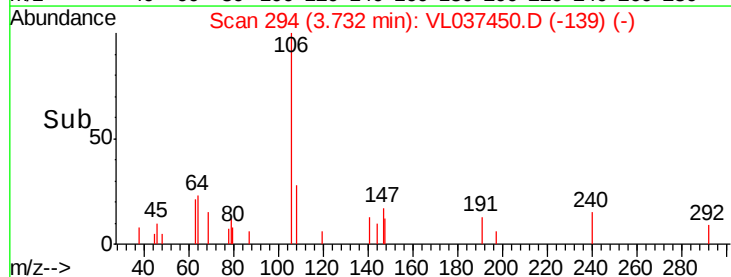
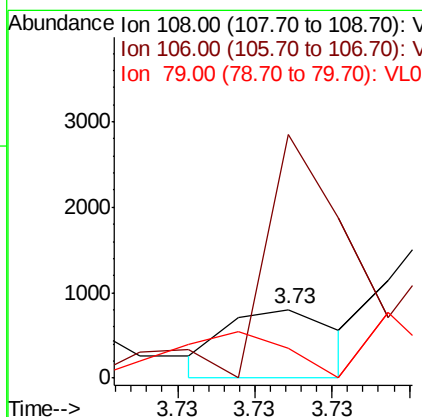
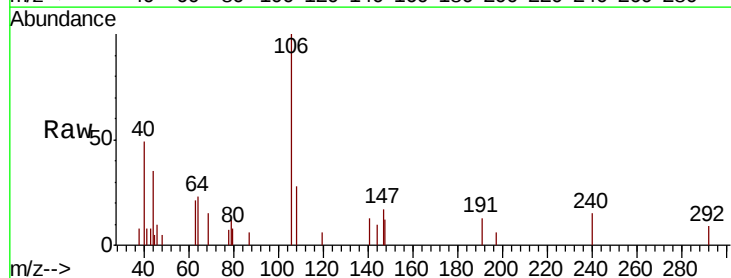
Instrument :
MSVOA_L
ClientSampled :

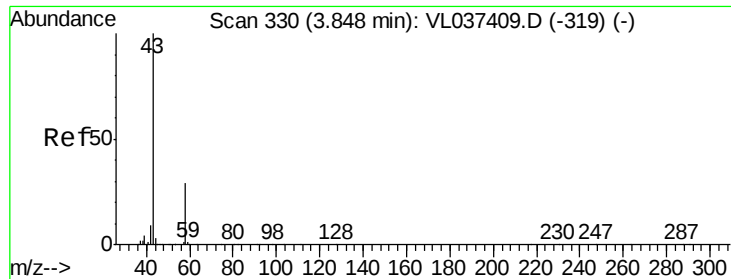
Tot Ion: 45 Resp: 284
Ion Ratio Lower Upper
45 100
46 45.1 18.0 72.2



#14
Bromoethene
Concen: 0.007 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.00 min
Lab File: VL037450.D
Acq: 13 Aug 2021 15:50

Tgt Ion: 108 Resp: 400
Ion Ratio Lower Upper
108 100
106 797.0 87.5 131.3#
79 71.5 13.5 20.3#

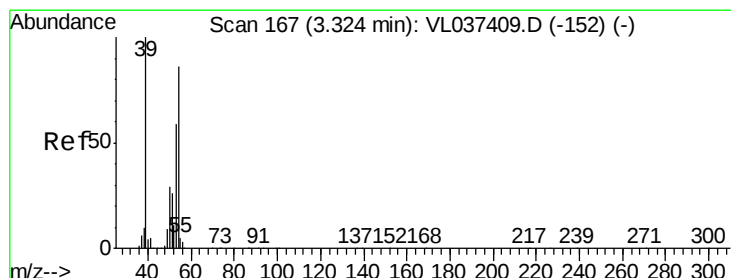
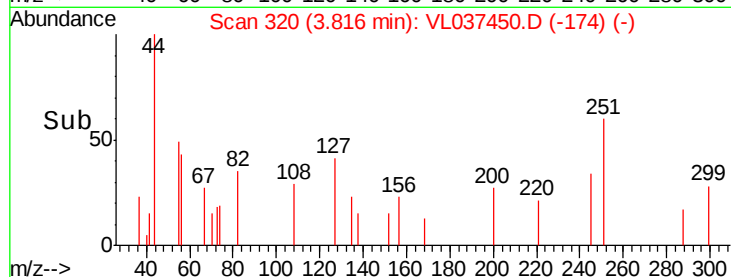
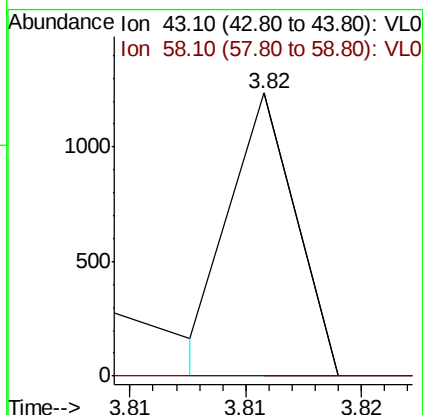
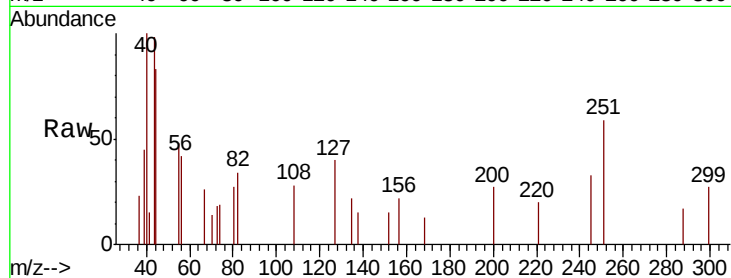




#15
Acetone
Concen: 0.002 ppbv
RT: 3.82 min Scan# 320
Delta R.T. -0.03 min
Lab File: VL037450.D
Acq: 13 Aug 2021 15:50

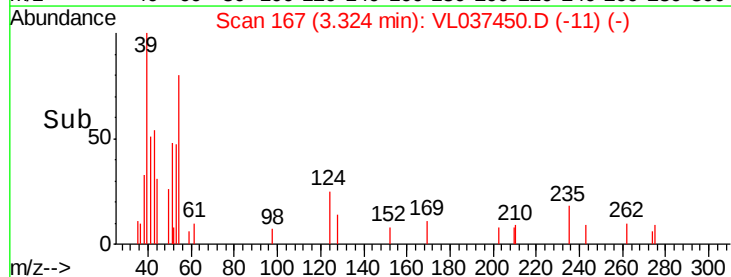
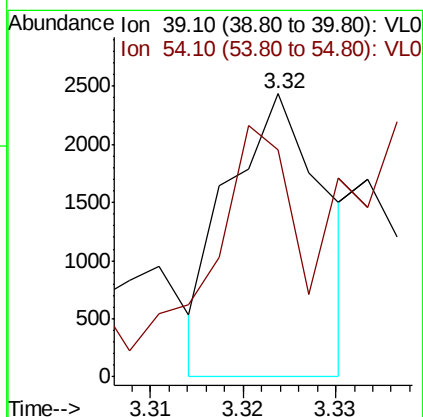
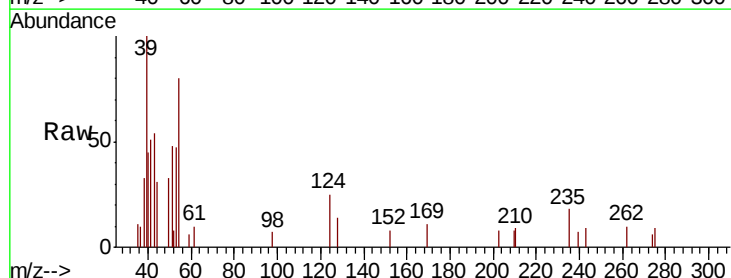
Instrument :
MSVOA_L
ClientSampleId :

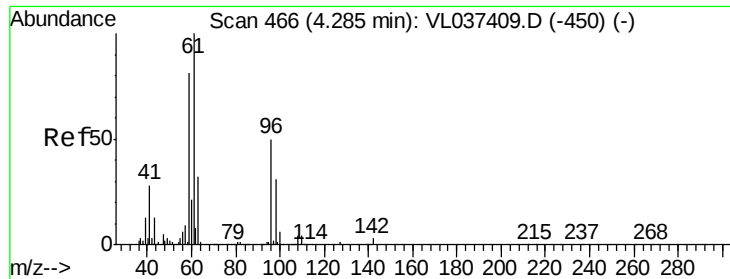
Tot Ion: 43 Resp: 238
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#16
1,3-Butadiene
Concen: 0.021 ppbv
RT: 3.32 min Scan# 167
Delta R.T. 0.00 min
Lab File: VL037450.D
Acq: 13 Aug 2021 15:50

Tgt Ion: 39 Resp: 1761
Ion Ratio Lower Upper
39 100
54 0.0 61.4 92.0#



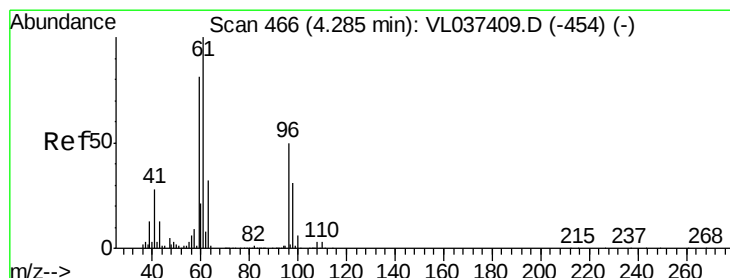
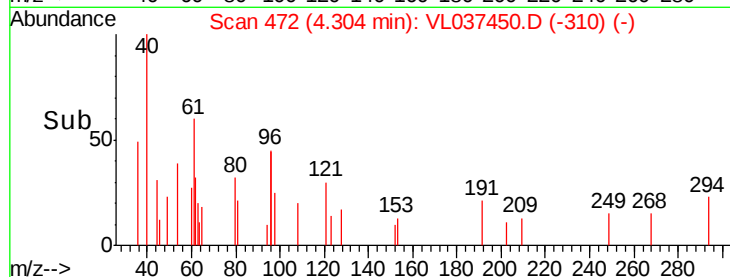
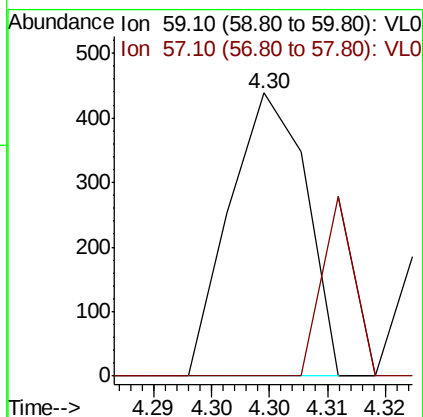
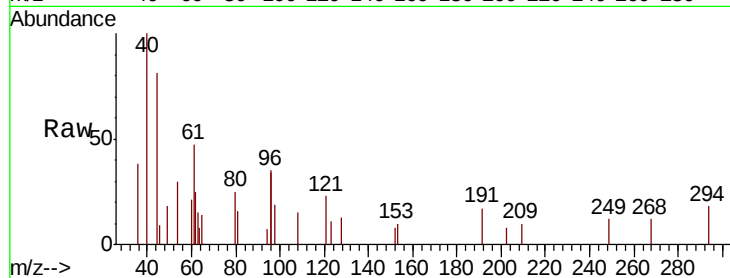


#17

tert-Butyl alcohol
 Concen: 0.002 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.02 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

Instrument :
 MSVOA_L
 ClientSampled :

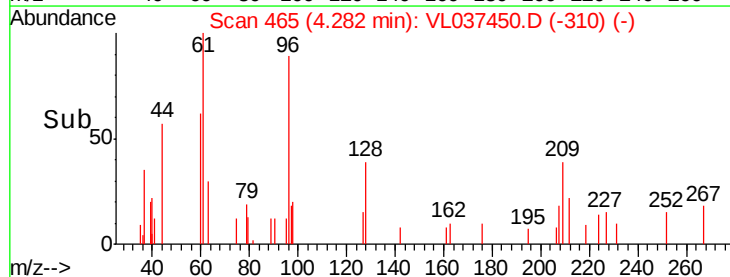
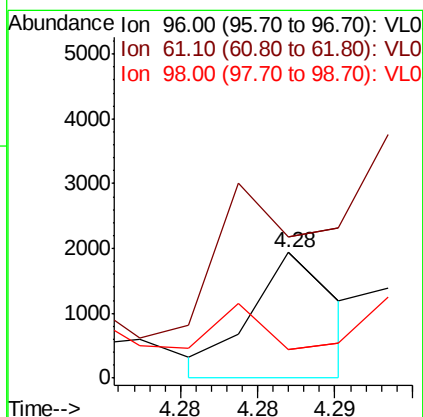
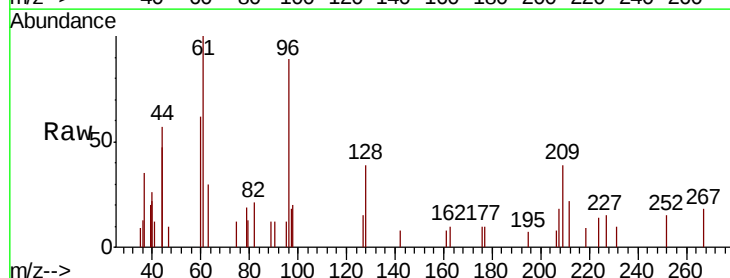
Tot Ion: 59 Resp: 200
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

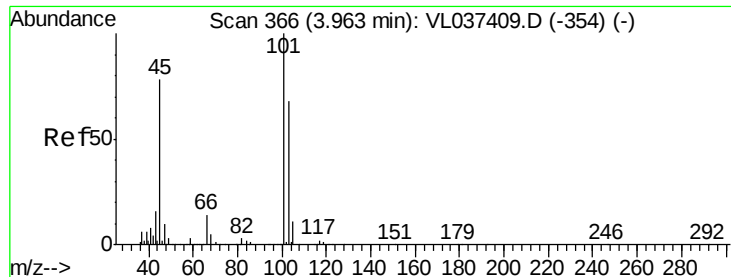


#18

1,1-Dichloroethene
 Concen: 0.012 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

Tgt Ion: 96 Resp: 732
 Ion Ratio Lower Upper
 96 100
 61 84.4 159.0 238.4#
 98 0.0 49.4 74.2#





#19

Isopropyl Alcohol

Concen: 0.001 ppbv

RT: 3.99 min Scan# 374

Delta R.T. 0.03 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :

MSVOA_L

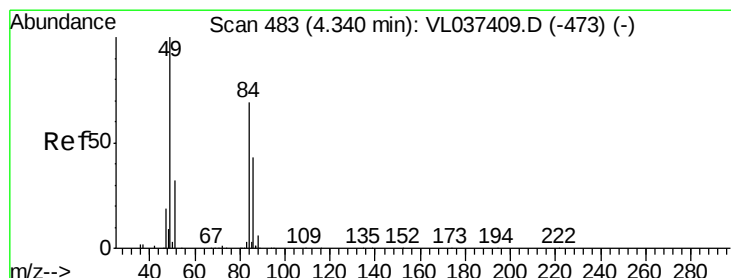
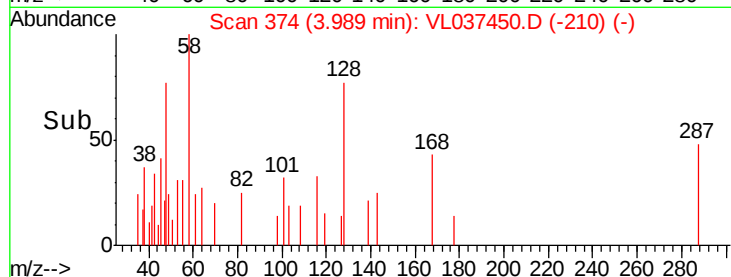
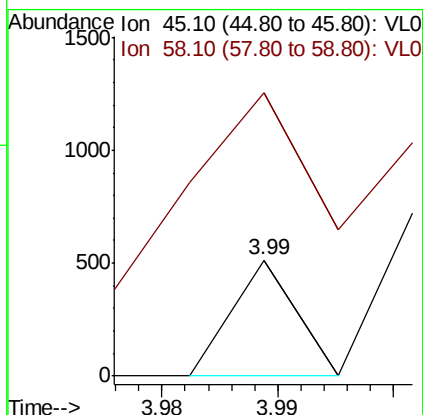
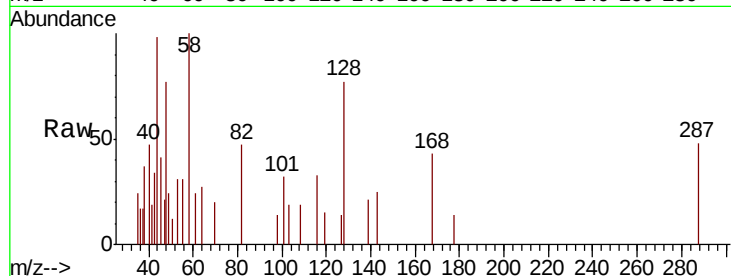
ClientSampled :

Tot Ion: 45 Resp: 99

Ion Ratio Lower Upper

45 100

58 2538.4 2.2 3.4#



#20

Methylene Chloride

Concen: 0.042 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Tgt Ion: 84 Resp: 2788

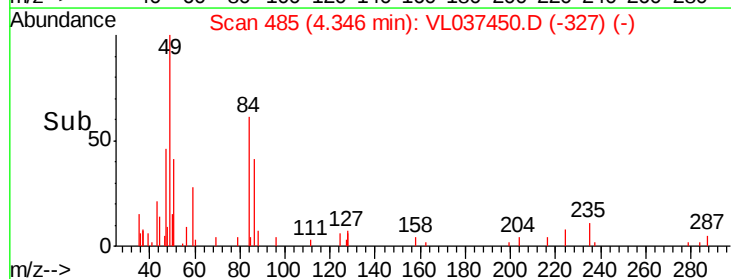
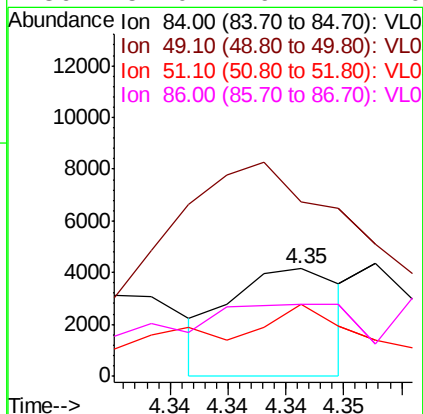
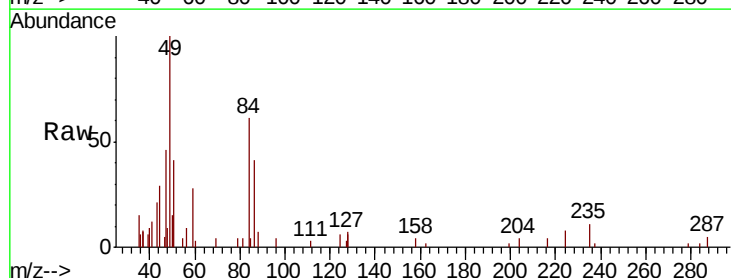
Ion Ratio Lower Upper

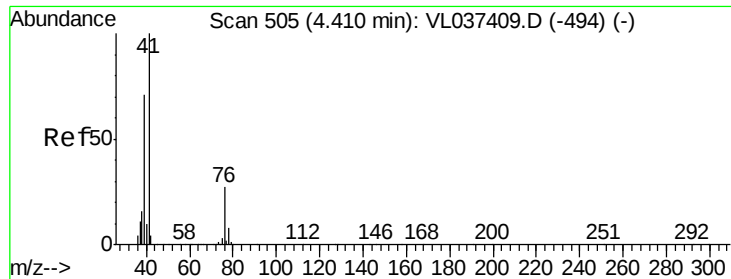
84 100

49 13.4 116.0 174.0#

51 47.4 37.1 55.7

86 57.0 49.4 74.0





#21

Allvl Chloride

Concen: 0.026 ppbv

RT: 4.41 min Scan# 506

Delta R.T. 0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :
MSVOA_L
ClientSampleId :

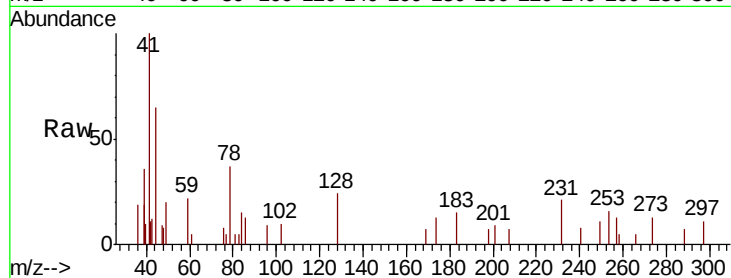
Tot Ion: 41 Resp: 2558

Ion Ratio Lower Upper

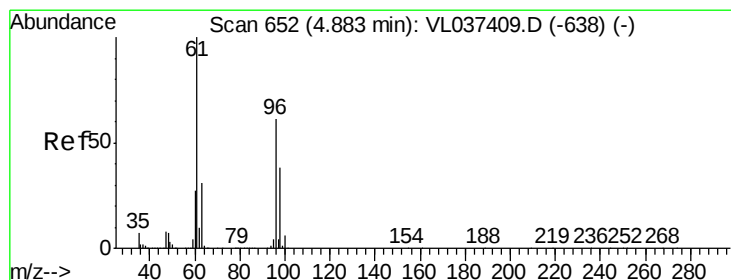
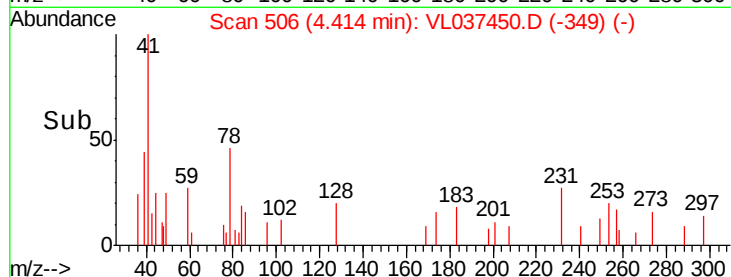
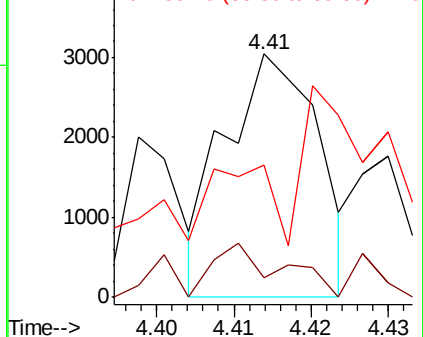
41 100

76 27.2 23.7 35.5

39 0.0 62.3 93.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 0.008 ppbv

RT: 4.88 min Scan# 652

Delta R.T. 0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

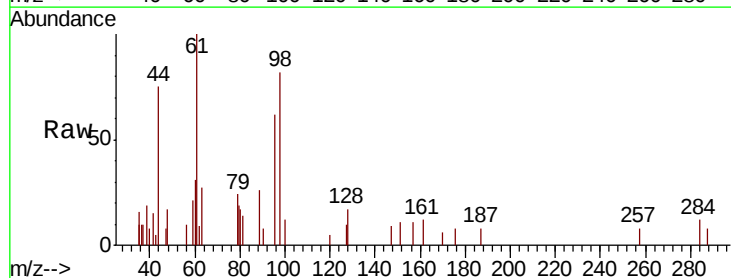
Tgt Ion: 96 Resp: 472

Ion Ratio Lower Upper

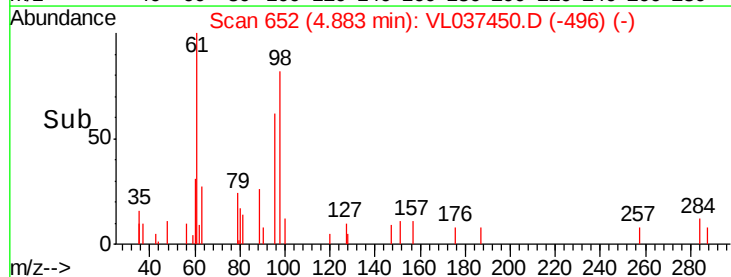
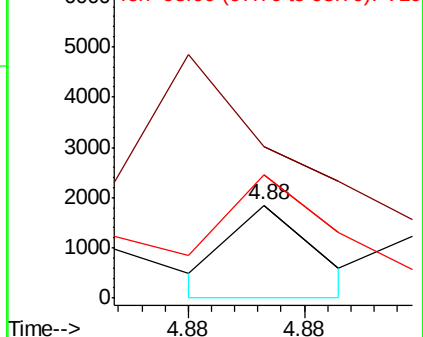
96 100

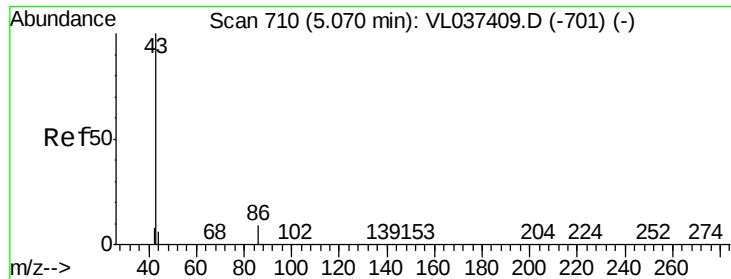
61 50.4 131.0 196.4#

98 118.3 50.2 75.4#



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 0.005 ppbv

RT: 5.07 min Scan# 710

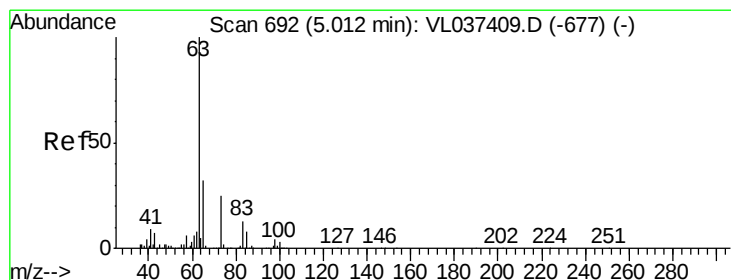
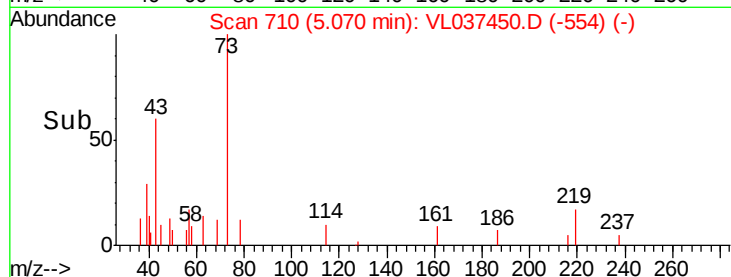
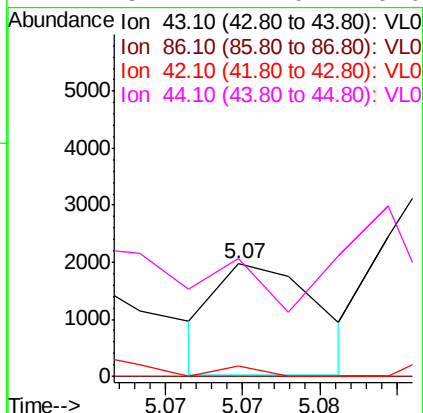
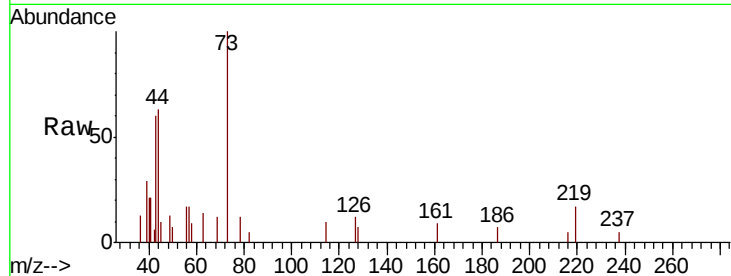
Delta R.T. 0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:	43	Resp:	892
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.8	8.8#
42	18.3	7.7	11.5#
44	54.7	4.0	6.0#



#24

1,1-Dichloroethane

Concen: 0.022 ppbv

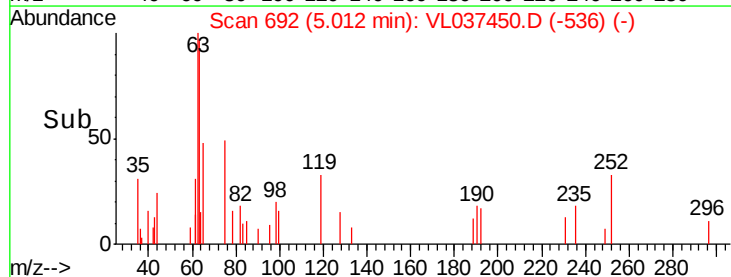
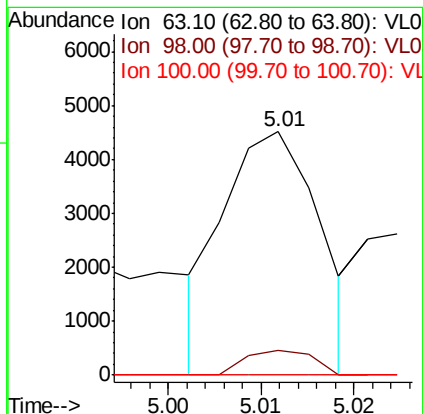
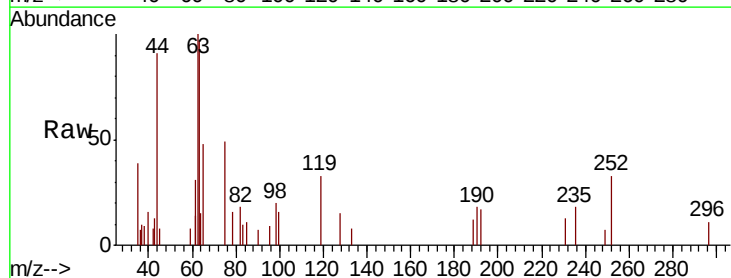
RT: 5.01 min Scan# 692

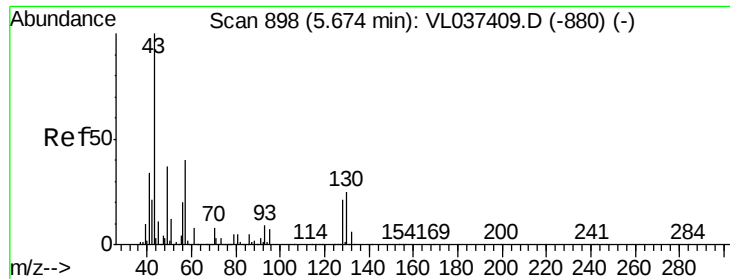
Delta R.T. 0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Tgt Ion:	63	Resp:	3251
Ion	Ratio	Lower	Upper
63	100		
98	17.5	2.1	6.3#
100	0.0	1.6	4.7#

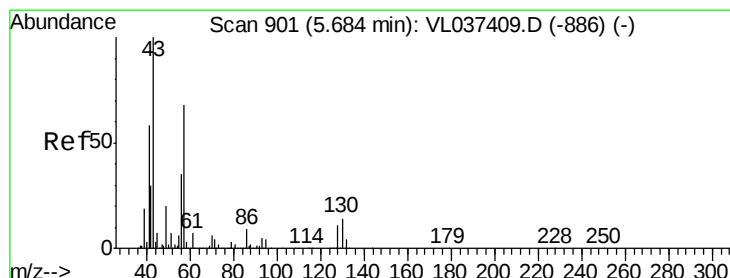
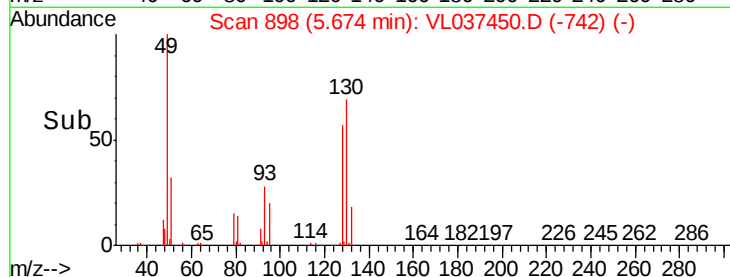
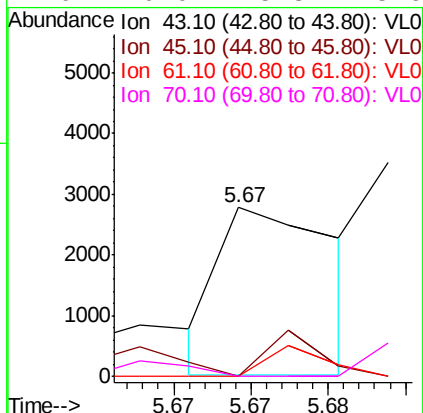
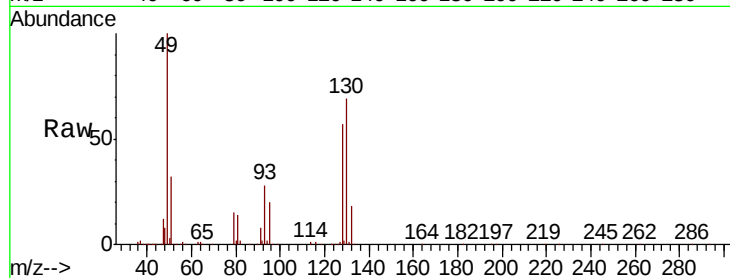




#25
Ethyl Acetate
Concen: 0.005 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL037450.D
Acq: 13 Aug 2021 15:50

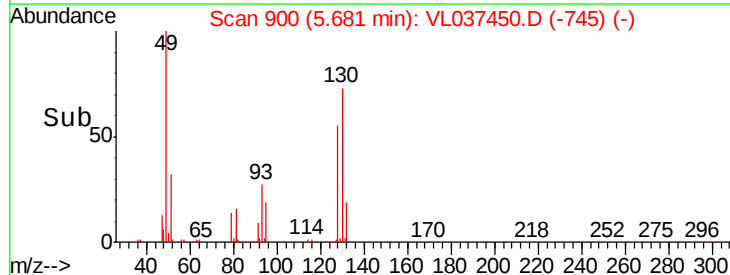
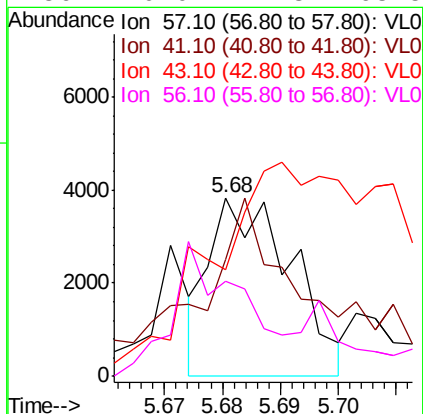
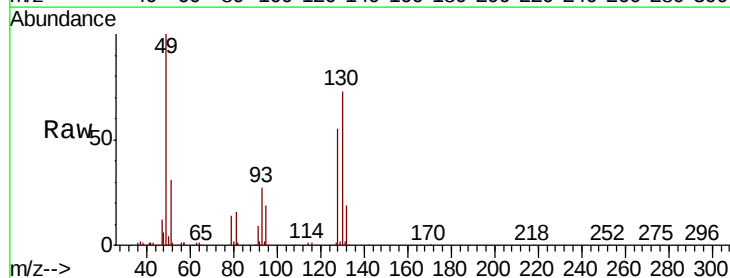
Instrument :
MSVOA_L
ClientSampleId :

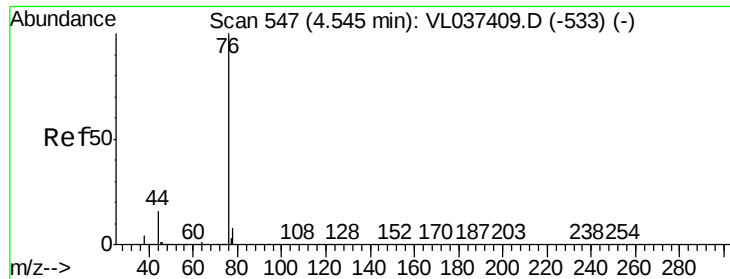
Tot Ion:	43	Resp:	1448
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.9	11.9#
61	0.0	7.7	11.5#
70	0.0	5.8	8.6#



#26
Hexane
Concen: 0.025 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL037450.D
Acq: 13 Aug 2021 15:50

Tgt Ion:	57	Resp:	3754
Ion	Ratio	Lower	Upper
57	100		
41	155.2	72.5	108.7#
43	371.4	169.3	253.9#
56	0.0	42.3	63.5#





#27

Carbon Disulfide

Concen: 0.005 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :

MSVOA_L

ClientSampleId :

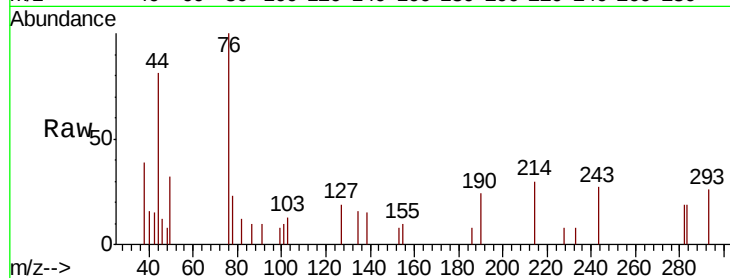
Tot Ion: 76 Resp: 673

Ion Ratio Lower Upper

76 100

44 0.0 14.4 21.6#

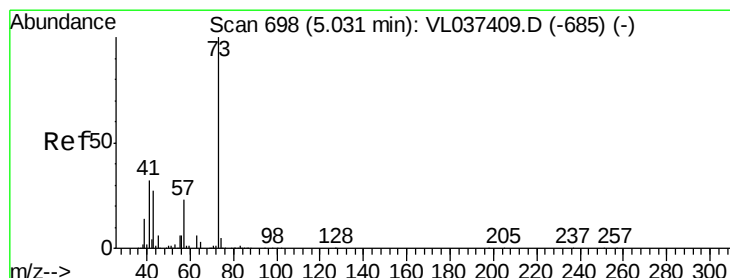
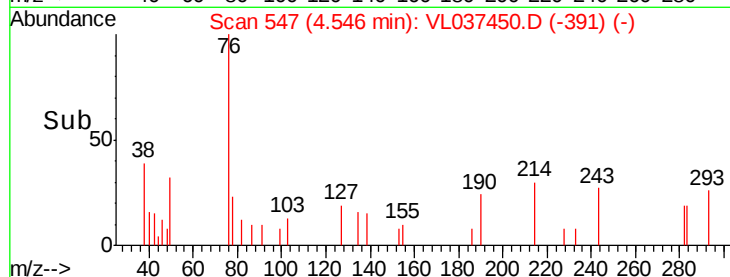
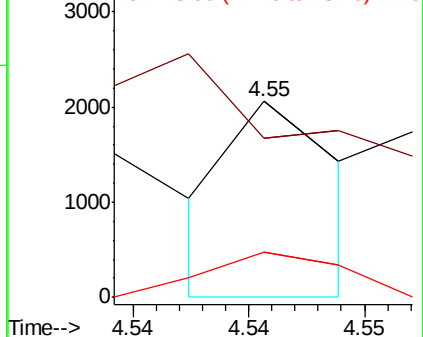
78 0.0 8.0 12.0#



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.005 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.02 min

Lab File: VL037450.D

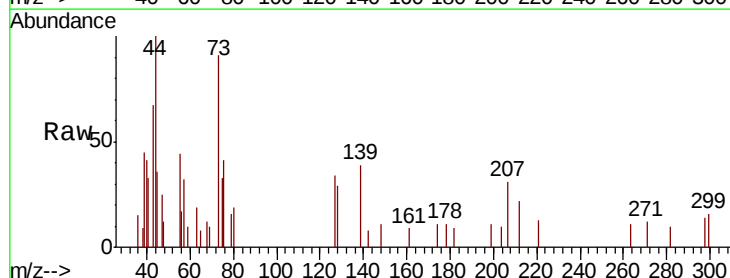
Acq: 13 Aug 2021 15:50

Tgt Ion: 73 Resp: 895

Ion Ratio Lower Upper

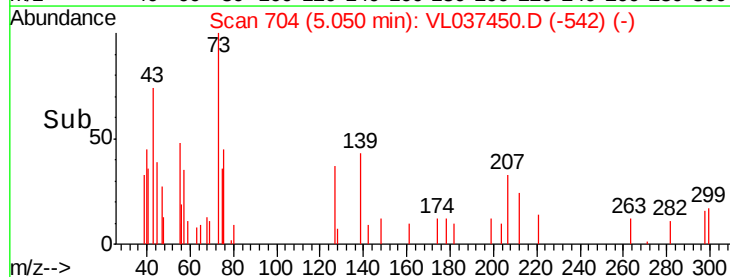
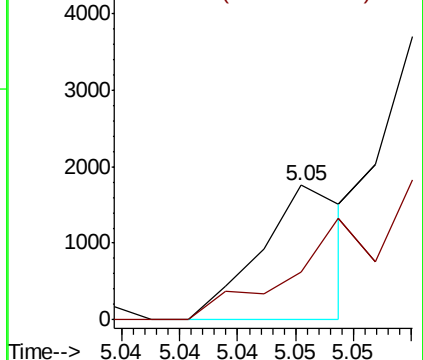
73 100

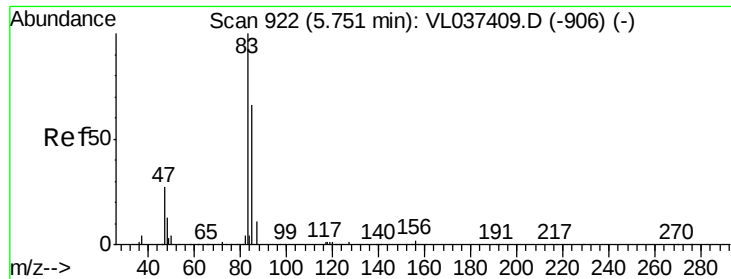
57 0.0 19.0 28.4#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

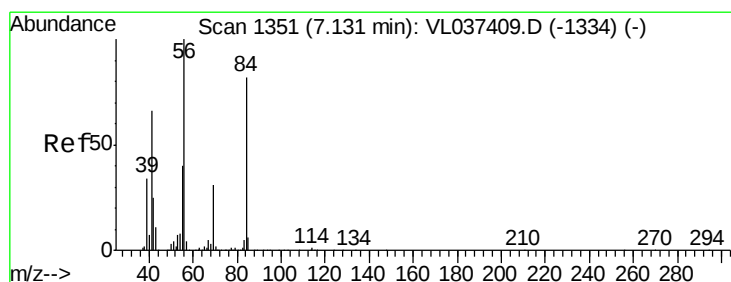
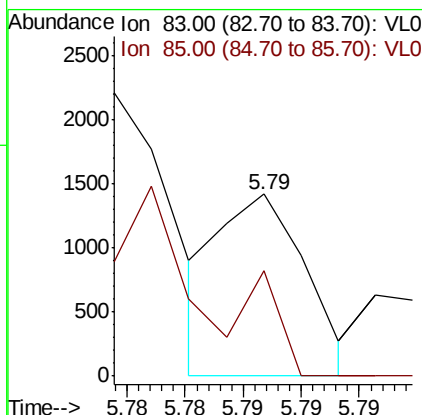
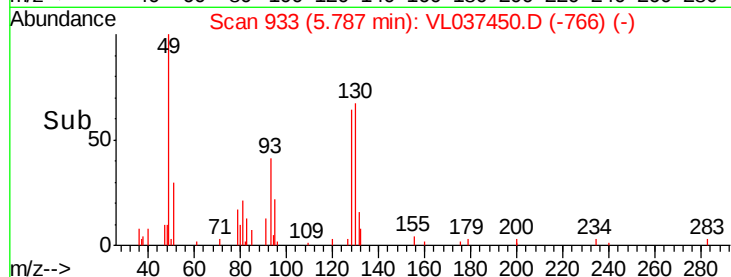
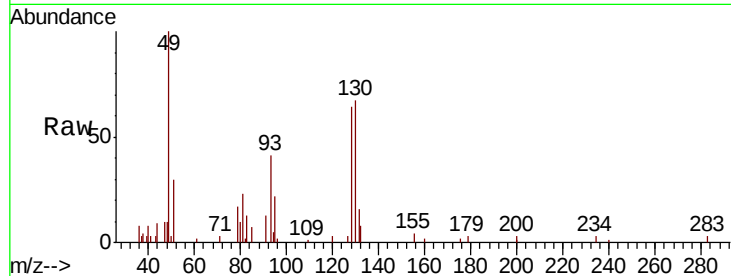




#29
Chloroform
Concen: 0.003 ppbv
RT: 5.79 min Scan# 933
Delta R.T. 0.04 min
Lab File: VL037450.D
Acq: 13 Aug 2021 15:50

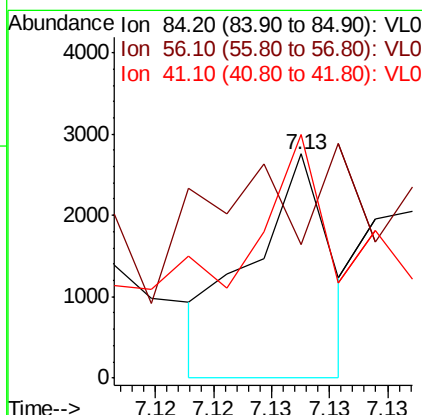
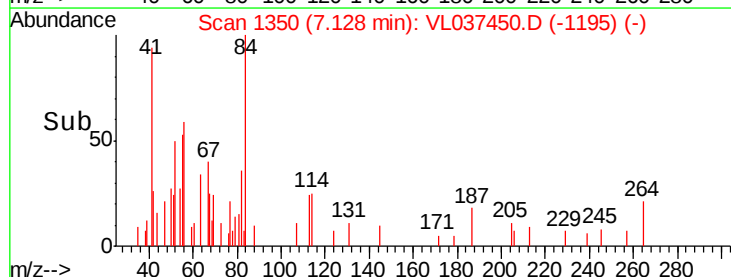
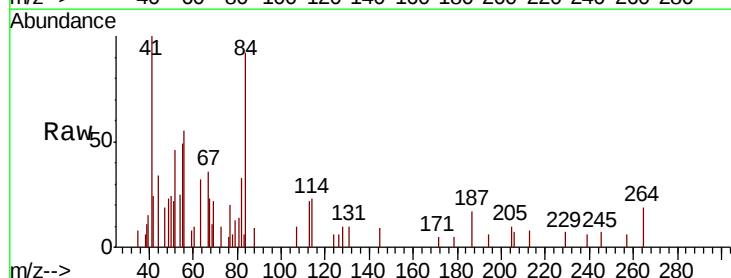
Instrument :
MSVOA_L
ClientSampleId :

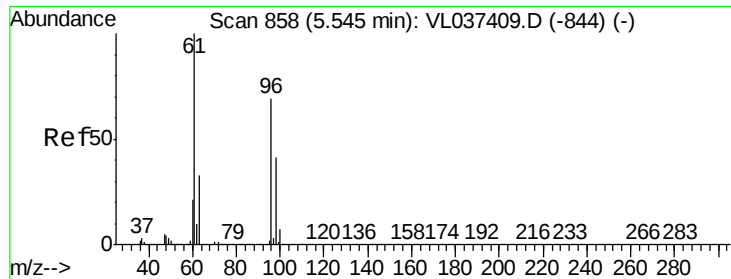
Tot Ion: 83 Resp: 740
Ion Ratio Lower Upper
83 100
85 71.9 52.4 78.6



#30
Cyclohexane
Concen: 0.010 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VL037450.D
Acq: 13 Aug 2021 15:50

Tgt Ion: 84 Resp: 1301
Ion Ratio Lower Upper
84 100
56 0.0 109.6 164.4#
41 395.2 66.6 99.8#



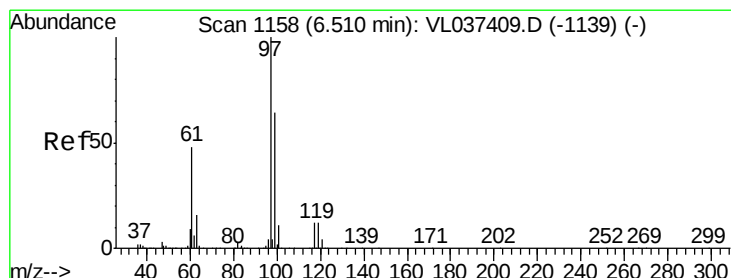
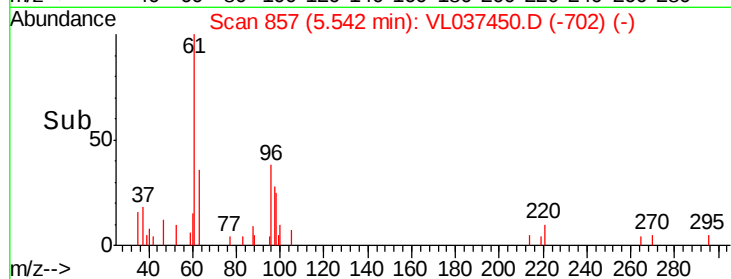
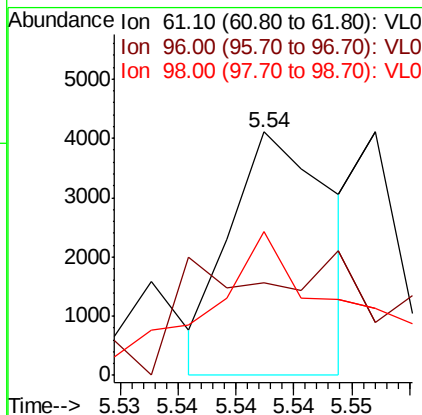
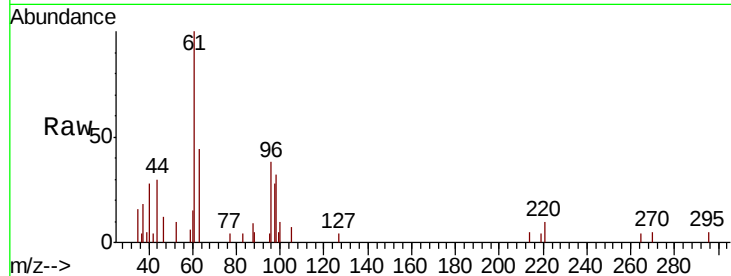


#31

cis-1,2-Dichloroethene
 Concen: 0.019 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

Instrument :
 MSVOA_L
 ClientSampleId :

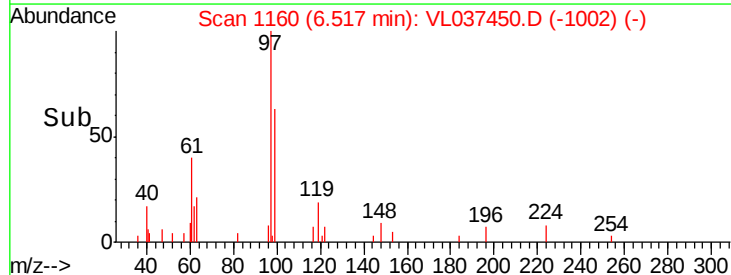
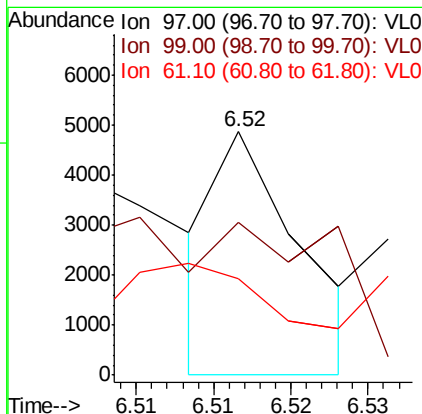
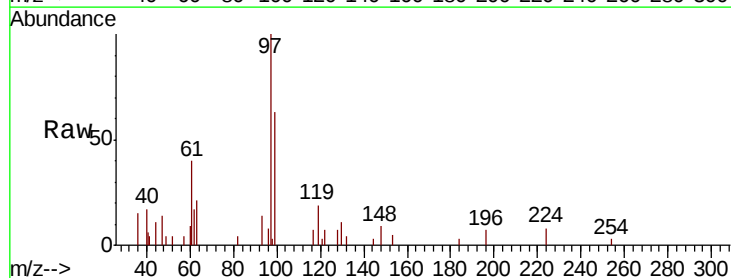
Tot Ion	61.10	Resp	2499
Ion	Ratio	Lower	Upper
61	100		
96	0.0	55.5	83.3#
98	47.5	33.1	49.7

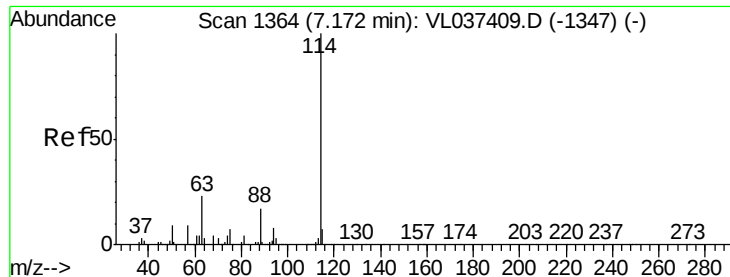


#32

1,1,1-Trichloroethane
 Concen: 0.008 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. 0.01 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

Tgt Ion	97	Resp	1830
Ion	Ratio	Lower	Upper
97	100		
99	388.6	52.3	78.5#
61	295.7	40.1	60.1#

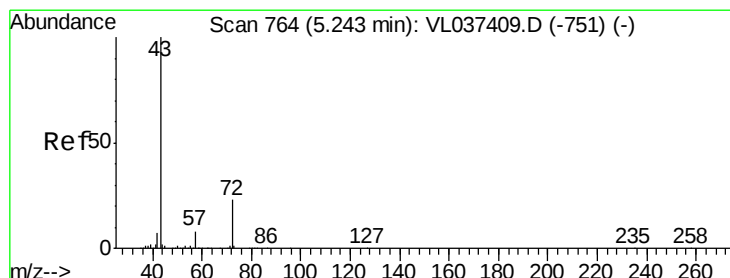
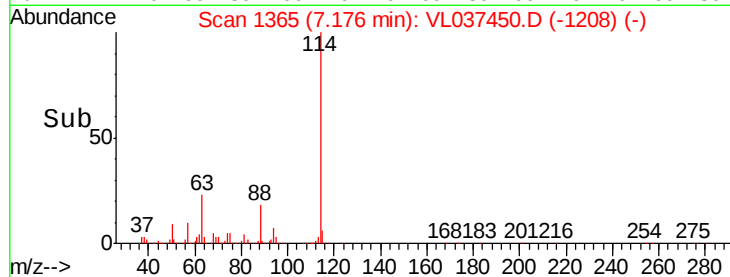
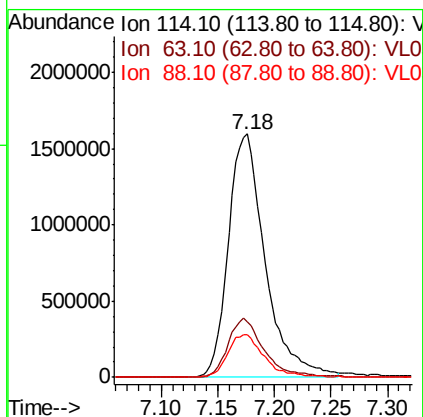
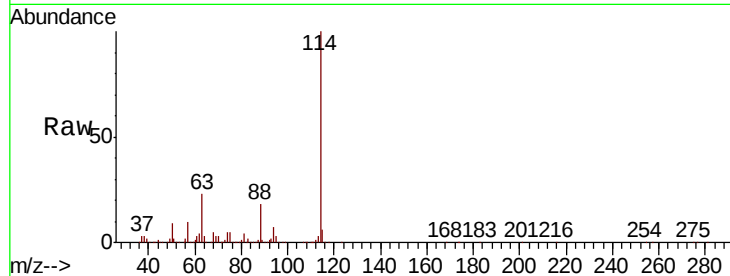




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

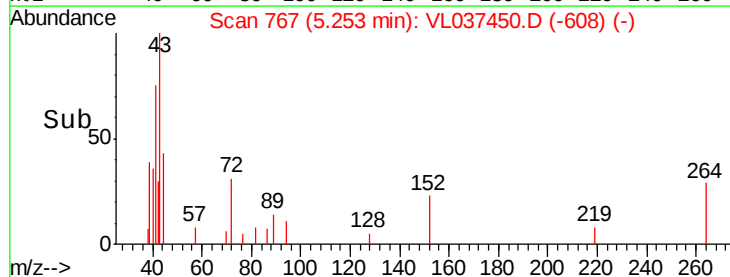
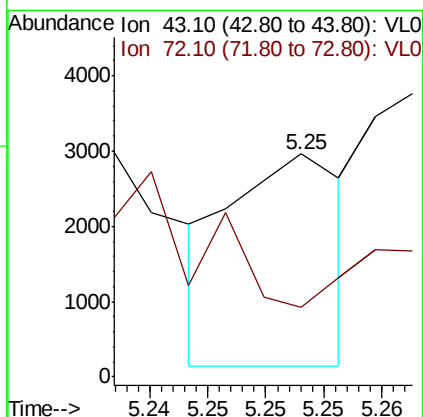
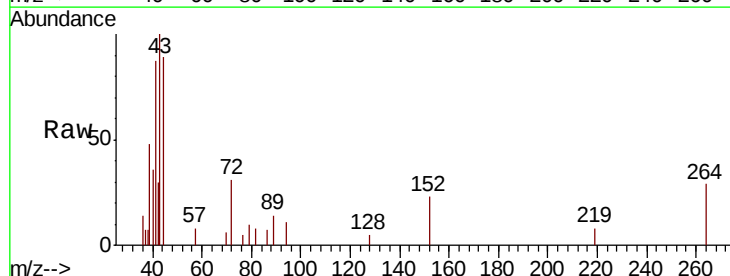
Instrument :
 MSVOA_L
 ClientSampleId :

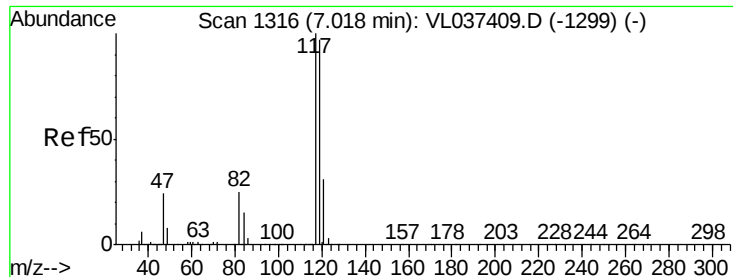
Tot Ion:114 Resp: 3617590
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.4 29.2
 88 18.2 14.2 21.4



#34
 2-Butanone
 Concen: 0.013 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

Tgt Ion: 43 Resp: 1906
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.7 26.5#

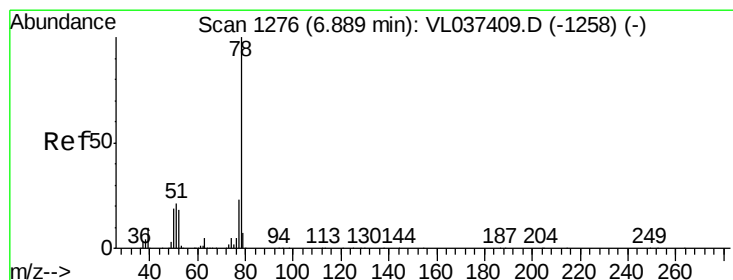
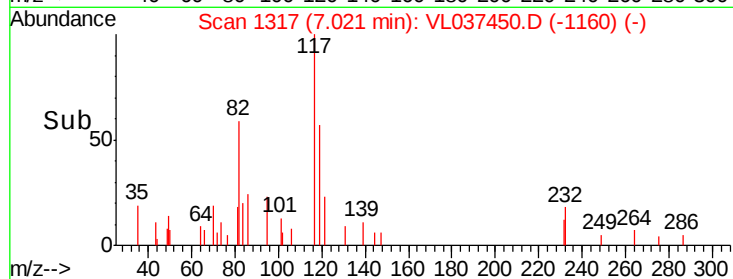
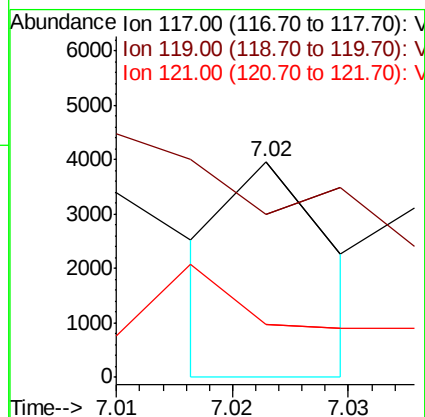
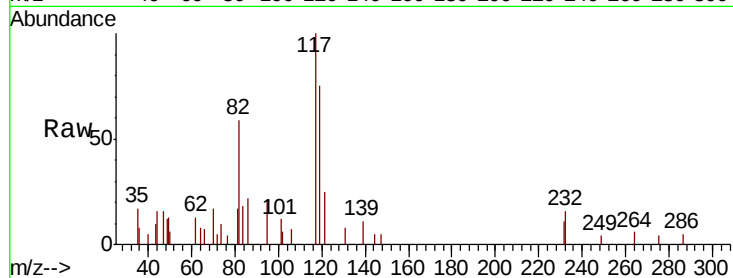




#35
Carbon Tetrachloride
Concen: 0.005 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VL037450.D
Acq: 13 Aug 2021 15:50

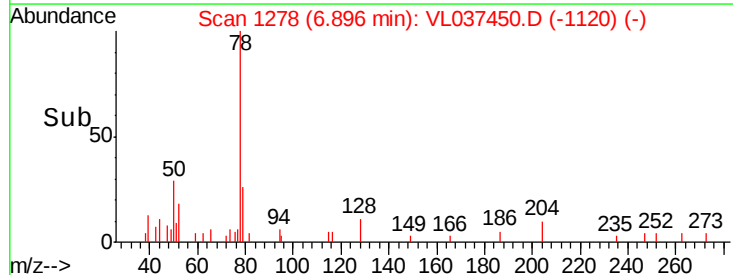
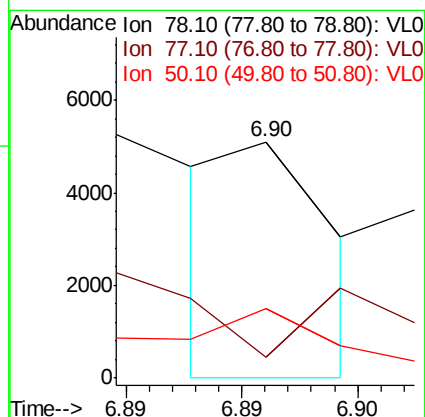
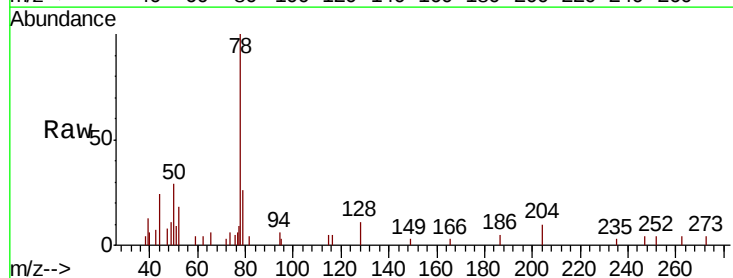
Instrument :
MSVOA_L
ClientSampleId :

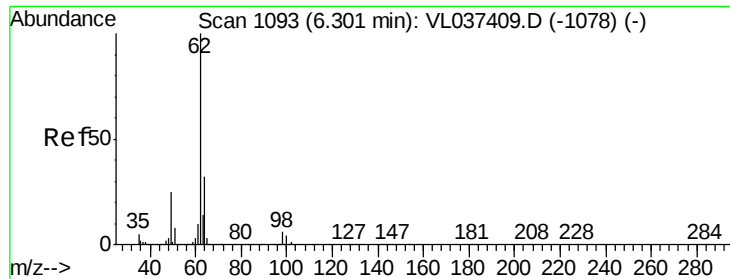
Tot Ion:117 Resp: 1201
Ion Ratio Lower Upper
117 100
119 0.0 77.5 116.3#
121 5.4 24.7 37.1#



#36
Benzene
Concen: 0.005 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. 0.01 min
Lab File: VL037450.D
Acq: 13 Aug 2021 15:50

Tgt Ion: 78 Resp: 1570
Ion Ratio Lower Upper
78 100
77 0.0 18.6 27.8#
50 39.3 14.9 22.3#





#37

1,2-Dichloroethane

Concen: 0.015 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :

MSVOA_L

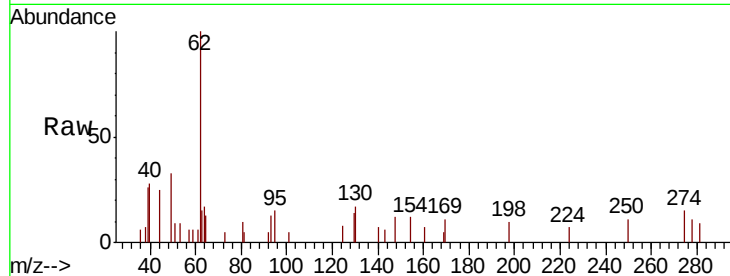
ClientSampleId :

Tot Ion: 62 Resp: 2280

Ion Ratio Lower Upper

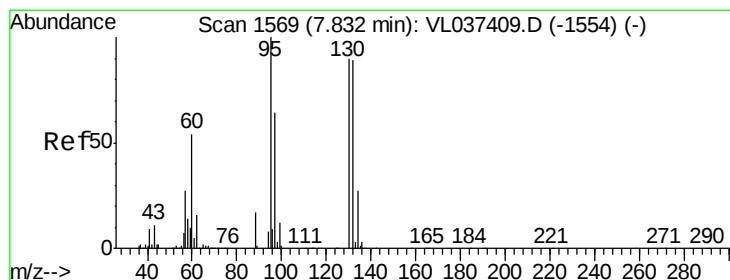
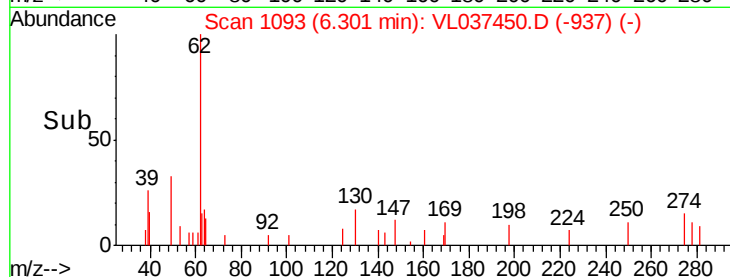
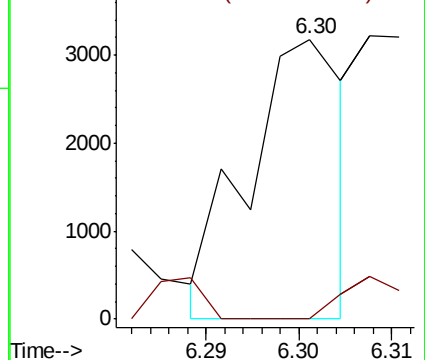
62 100

98 0.0 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: 0.009 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Tgt Ion: 130 Resp: 1267

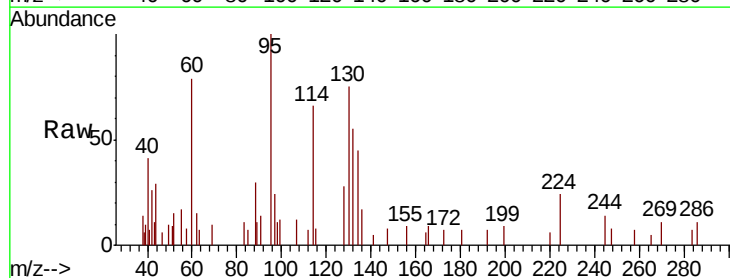
Ion Ratio Lower Upper

130 100

95 184.8 88.6 132.8#

132 59.5 79.2 118.8#

97 61.9 56.9 85.3

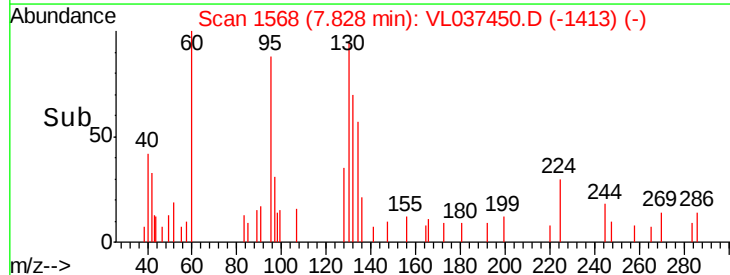
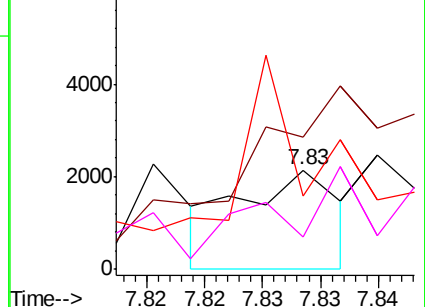


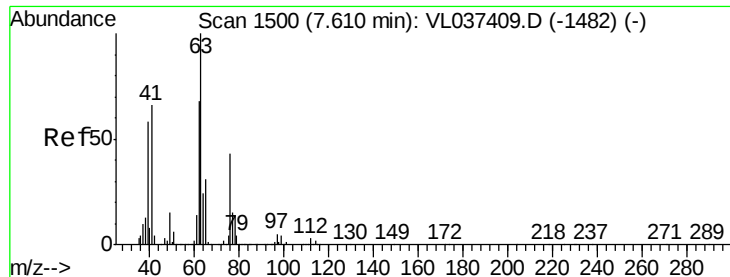
Abundance Ion 130.00 (129.70 to 130.70): V

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

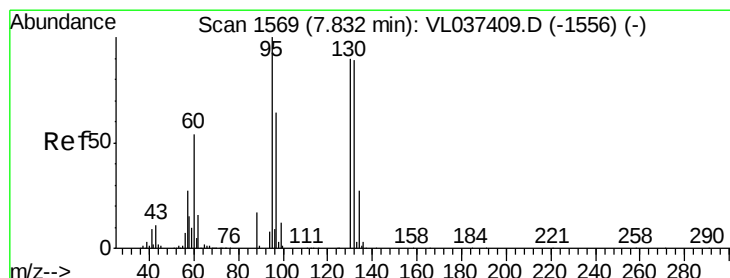
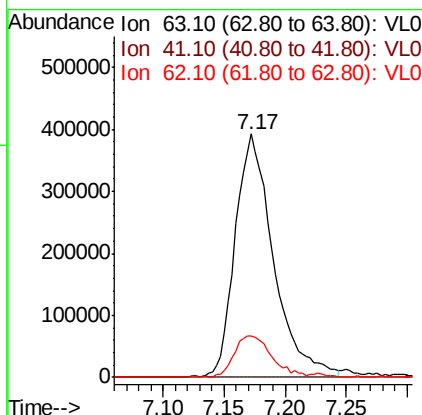
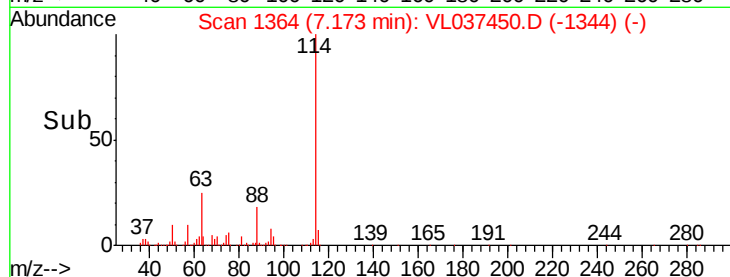
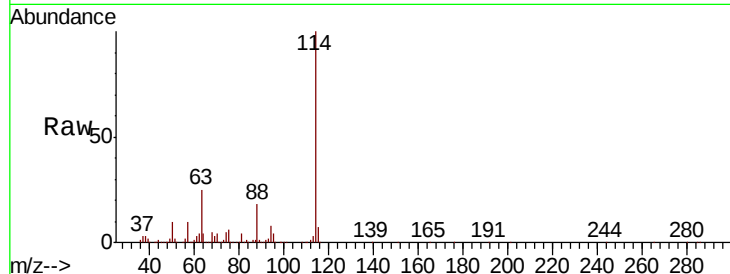




#39
 1,2-Dichloropropane
 Concen: 7.353 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.44 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

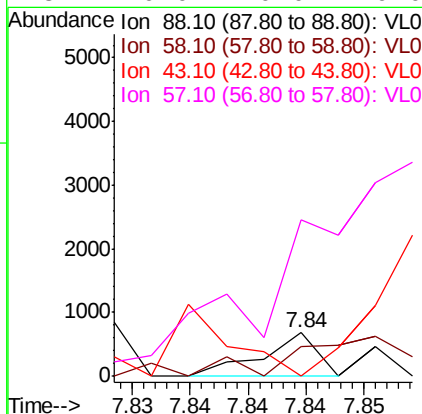
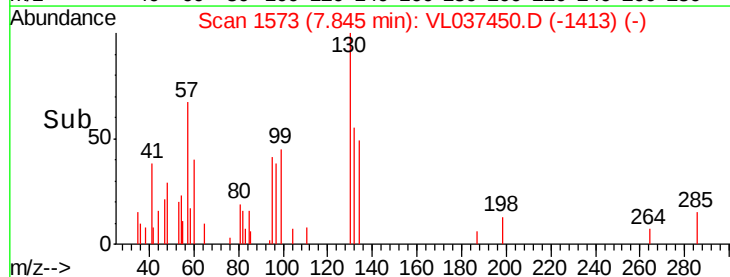
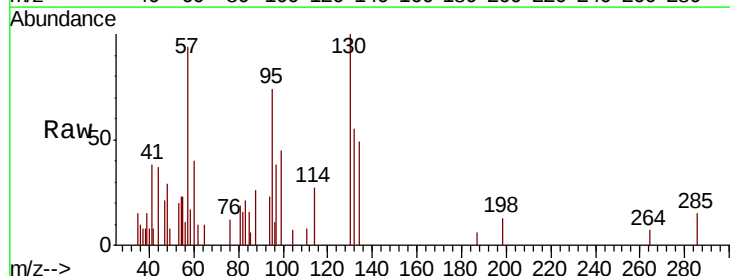
Instrument :
 MSVOA_L
 ClientSampled :

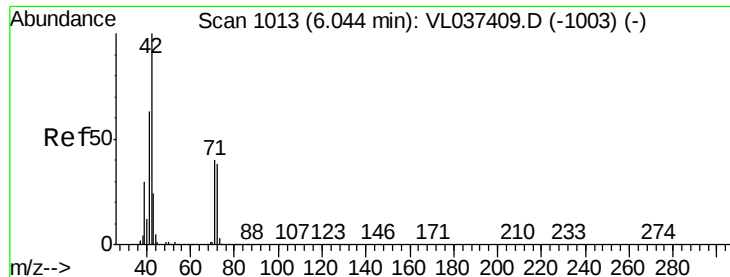
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.0	79.6#
62	16.7	54.5	81.7#



#40
 1,4-Dioxane
 Concen: 0.008 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

Tgt 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: 0.000 ppbv

RT: 6.02 min Scan# 1007

Delta R.T. -0.02 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :

MSVOA_L

ClientSampled :

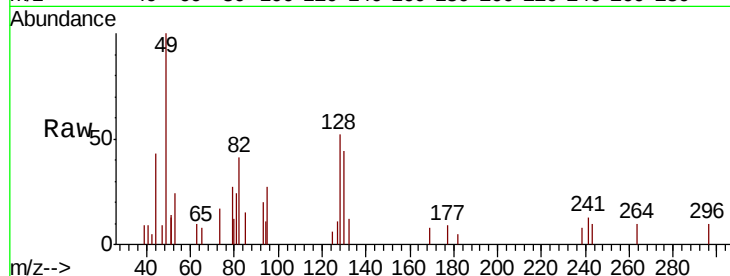
Tot Ion: 42 Resp: 30

Ion Ratio Lower Upper

42 100

72 0.0 33.5 50.3#

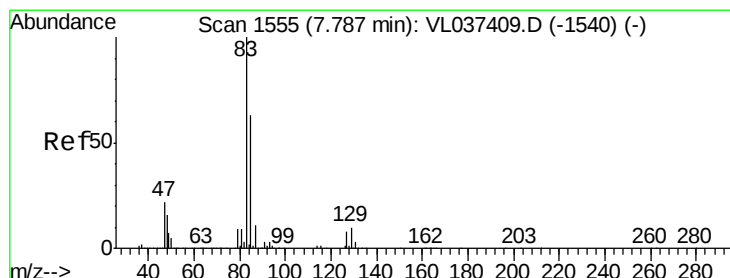
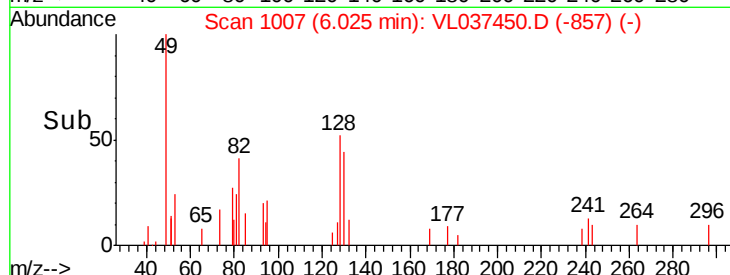
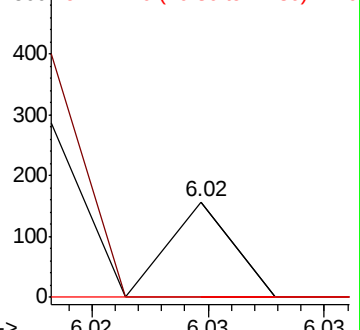
71 0.0 32.6 48.8#



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.007 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. 0.01 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

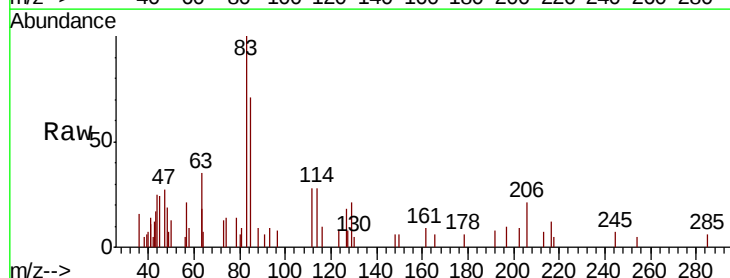
Tgt Ion: 83 Resp: 1464

Ion Ratio Lower Upper

83 100

85 50.6 50.2 75.2

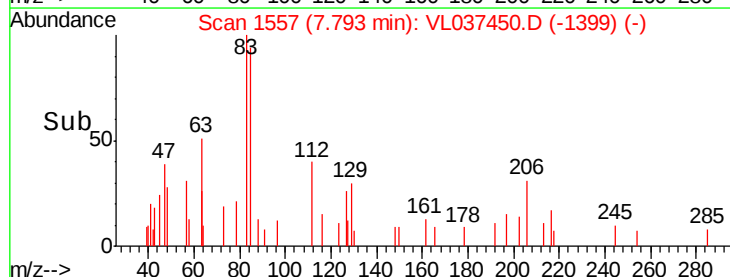
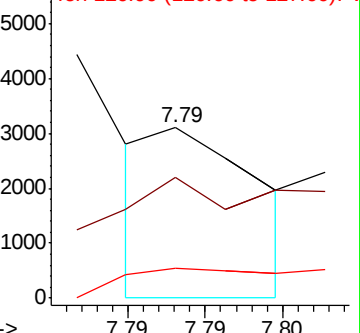
127 32.6 6.6 9.8#

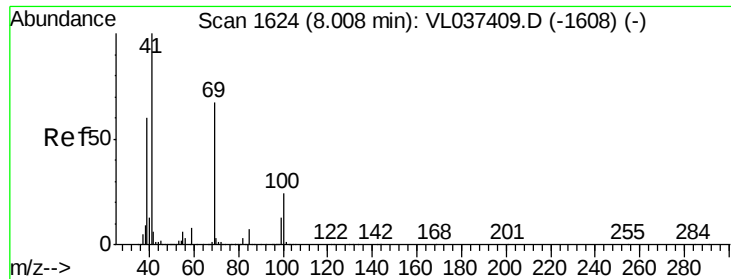


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 0.005 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. -0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :

MSVOA_L

ClientSampled :

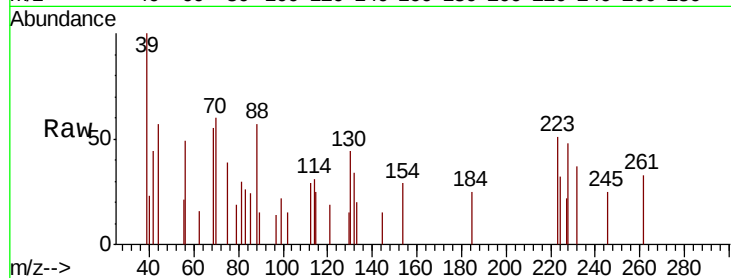
Tot Ion: 69 Resp: 528

Ion Ratio Lower Upper

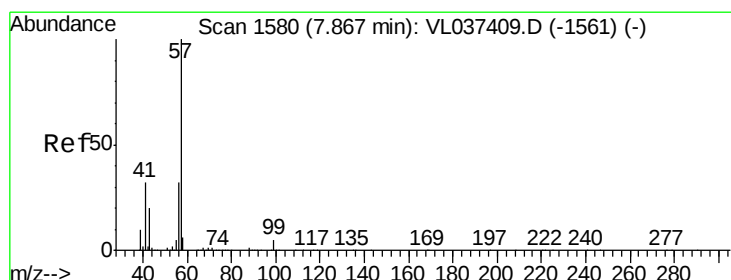
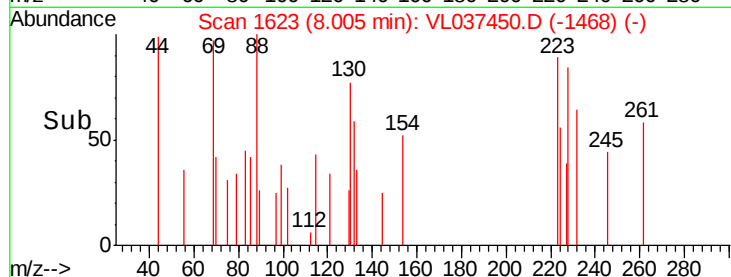
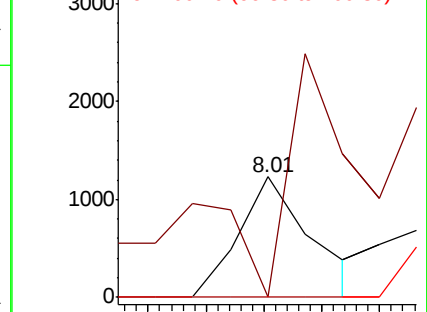
69 100

41 0.0 118.1 177.1#

100 0.0 27.6 41.4#



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



#44

2,2,4-Trimethylpentane

Concen: 0.006 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. 0.01 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

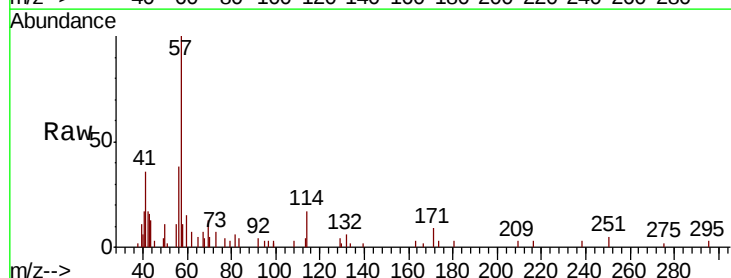
Tgt Ion: 57 Resp: 3018

Ion Ratio Lower Upper

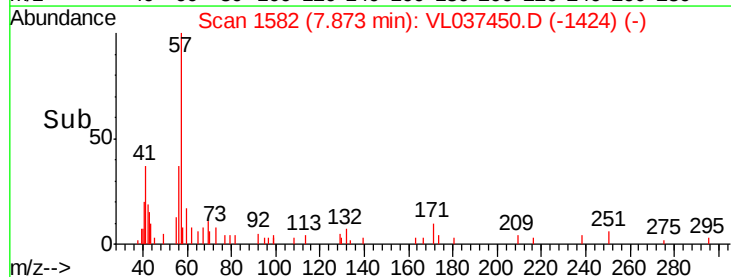
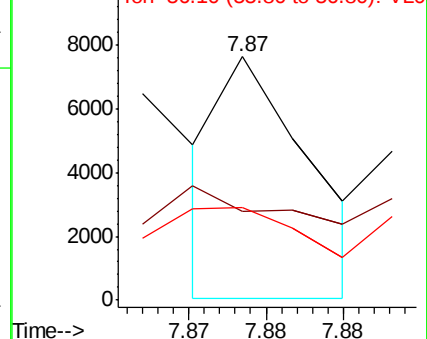
57 100

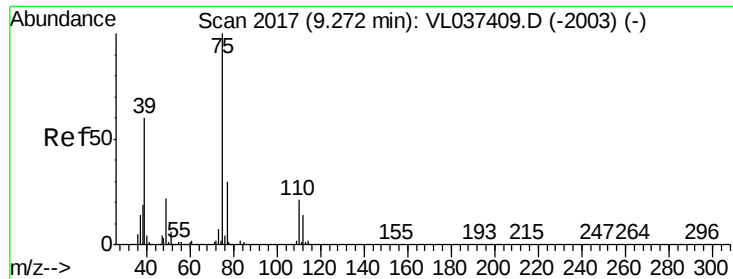
41 0.0 26.4 39.6#

56 0.0 25.0 37.4#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

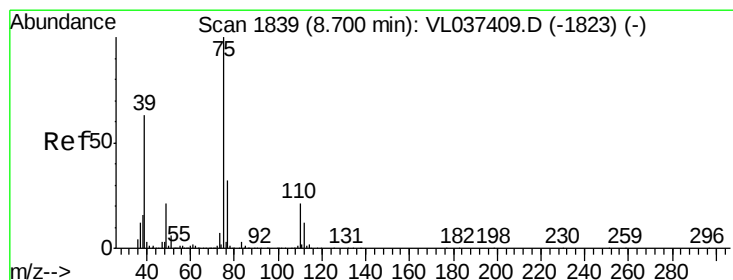
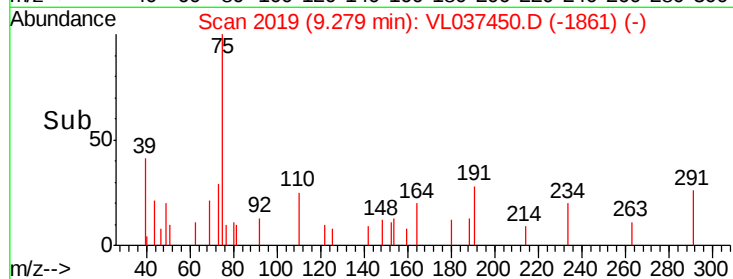
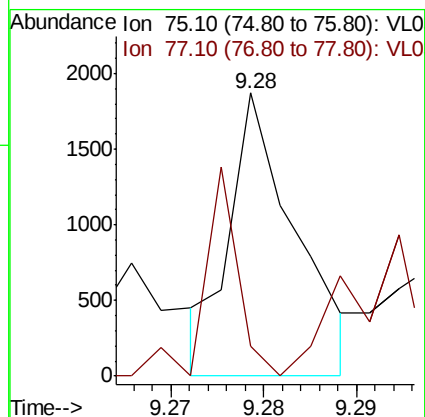
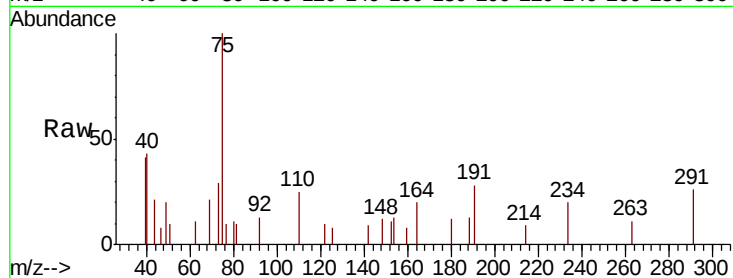




#45
t-1,3-Dichloropropene
Concen: 0.012 ppbv
RT: 9.28 min Scan# 2019
Delta R.T. 0.01 min
Lab File: VL037450.D
Acq: 13 Aug 2021 15:50

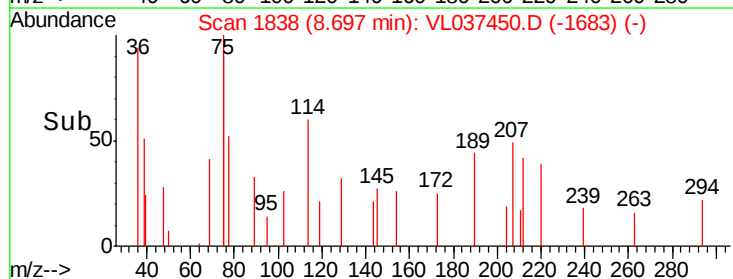
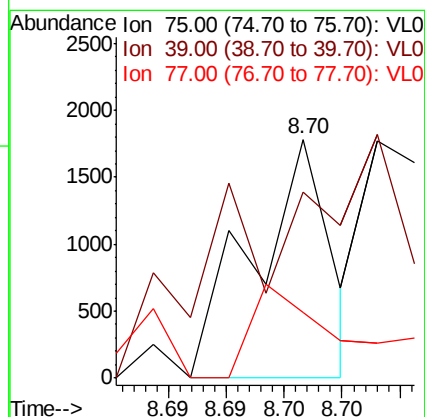
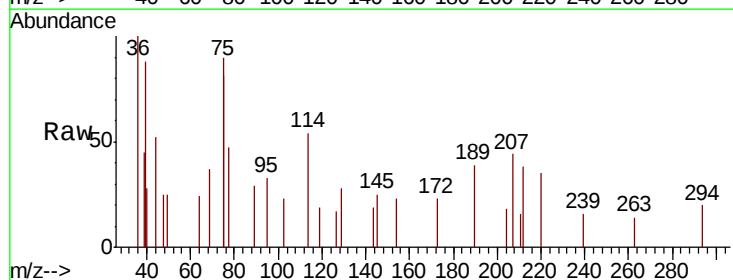
Instrument :
MSVOA_L
ClientSampled :

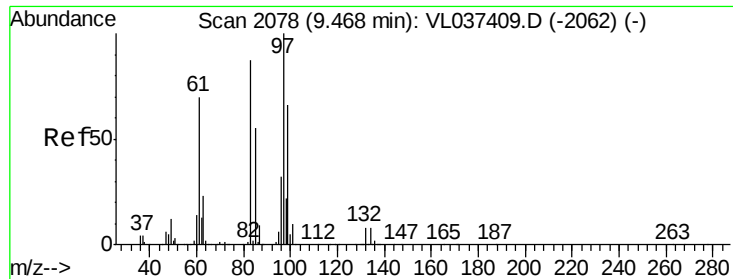
Tot Ion: 75 Resp: 923
Ion Ratio Lower Upper
75 100
77 10.4 24.2 36.2#



#46
cis-1,3-Dichloropropene
Concen: 0.008 ppbv
RT: 8.70 min Scan# 1838
Delta R.T. -0.00 min
Lab File: VL037450.D
Acq: 13 Aug 2021 15:50

Tgt Ion: 75 Resp: 823
Ion Ratio Lower Upper
75 100
39 52.9 50.1 75.1
77 27.5 25.8 38.8

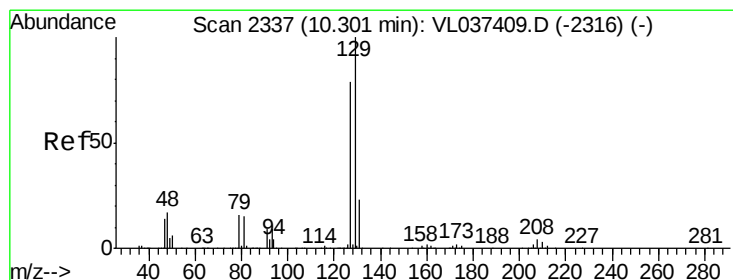
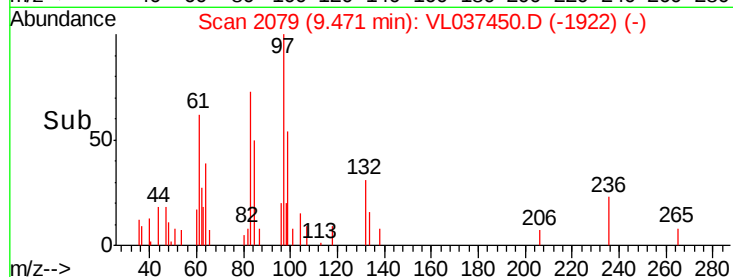
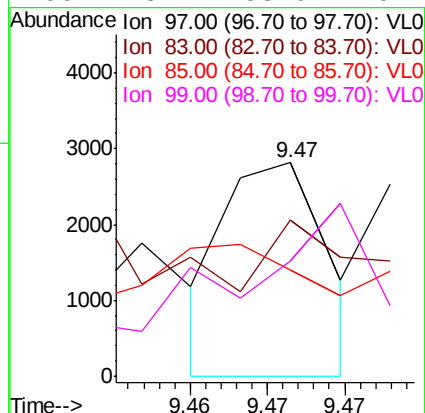
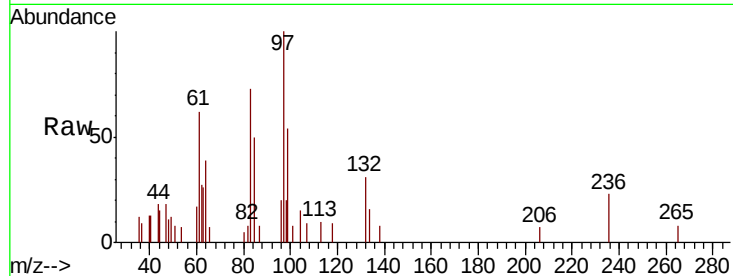




#47
 1,1,2-Trichloroethane
 Concen: 0.010 ppbv
 RT: 9.47 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

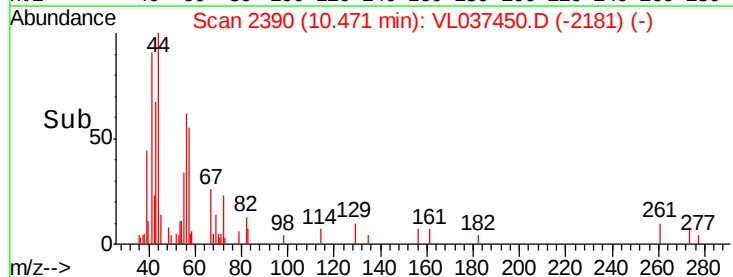
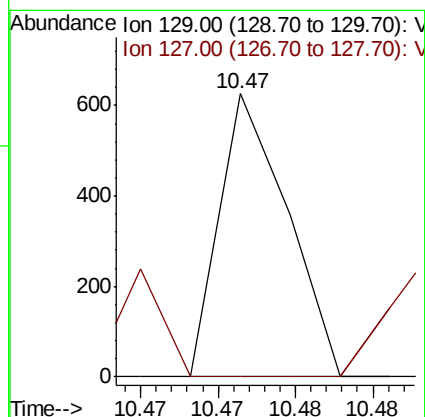
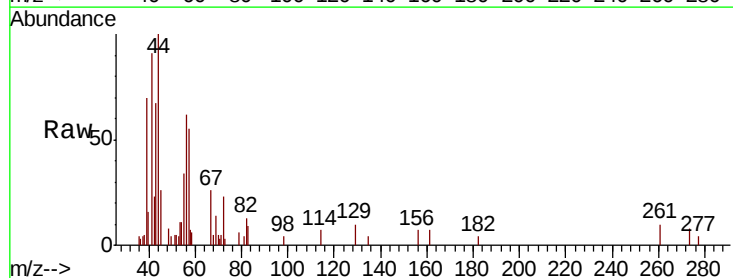
Instrument :
 MSVOA_L
 ClientSampleId :

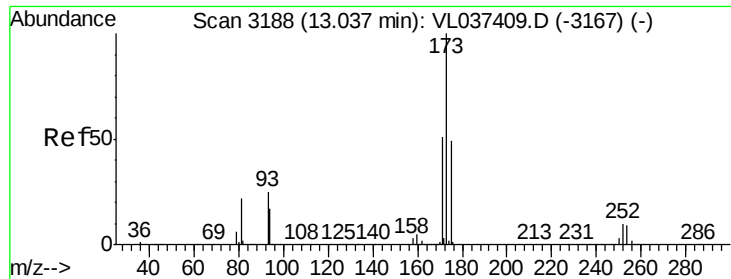
Tot Ion:	97	Resp:	1292
Ion	Ratio	Lower	Upper
97	100		
83	30.5	69.5	104.3#
85	19.9	43.8	65.8#
99	5.4	53.0	79.4#



#48
 Dibromochloromethane
 Concen: 0.001 ppbv
 RT: 10.47 min Scan# 2390
 Delta R.T. 0.17 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

Tgt Ion:	129	Resp:	190
Ion	Ratio	Lower	Upper
129	100		
127	95.3	39.6	118.8





#49

Bromoform

Concen: 0.004 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. 0.01 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :

MSVOA_L

ClientSampled :

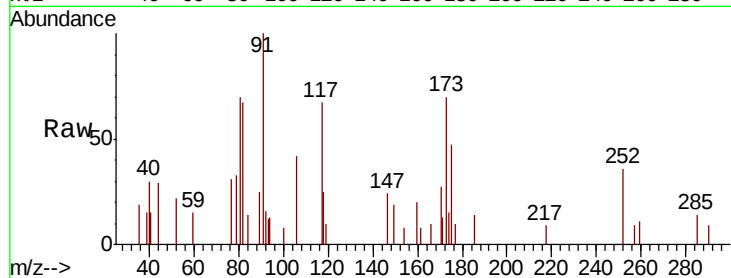
Tot Ion:173 Resp: 557

Ion Ratio Lower Upper

173 100

175 0.0 39.9 59.9#

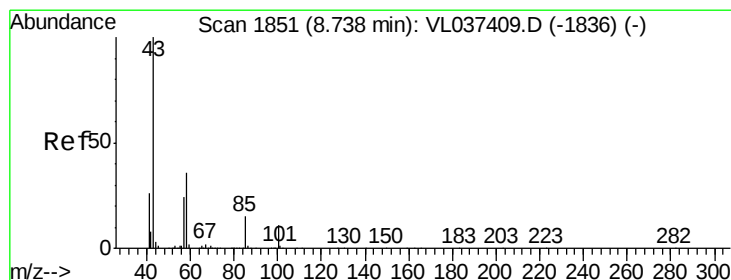
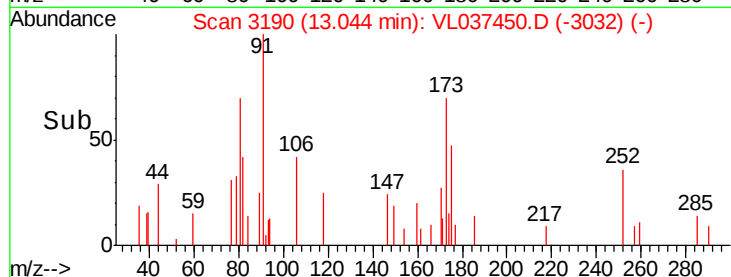
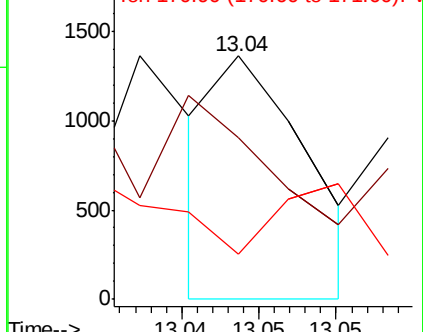
171 0.0 41.4 62.2#



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: 0.001 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.01 min

Lab File: VL037450.D

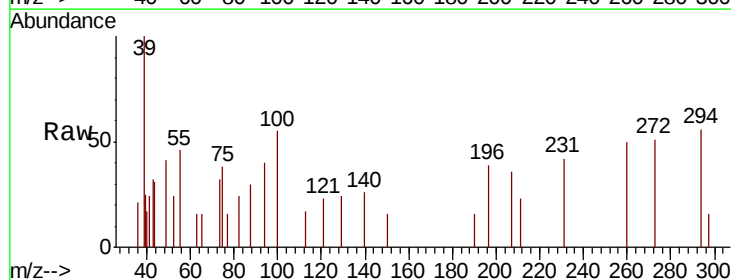
Acq: 13 Aug 2021 15:50

Tgt Ion: 43 Resp: 122

Ion Ratio Lower Upper

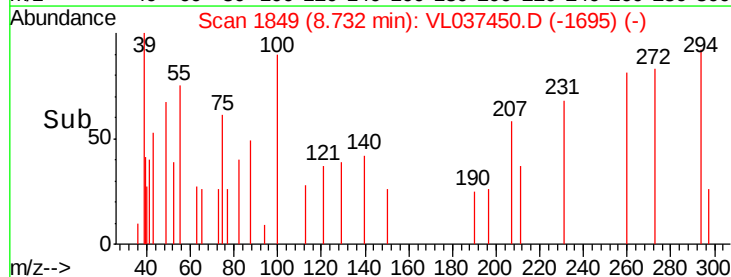
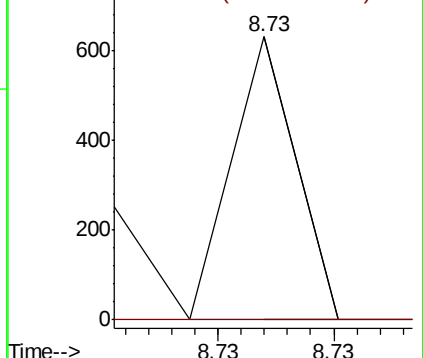
43 100

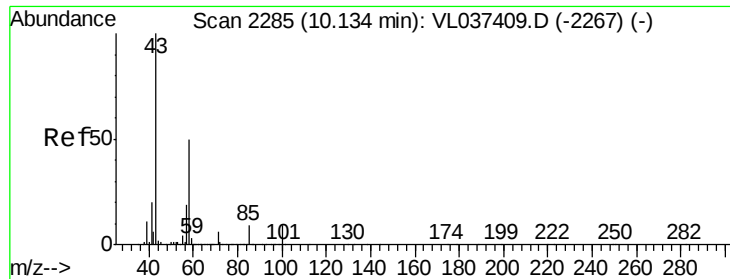
58 0.0 29.9 44.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.001 ppbv

RT: 10.14 min Scan# 2288

Delta R.T. 0.01 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :

MSVOA_L

ClientSampled :

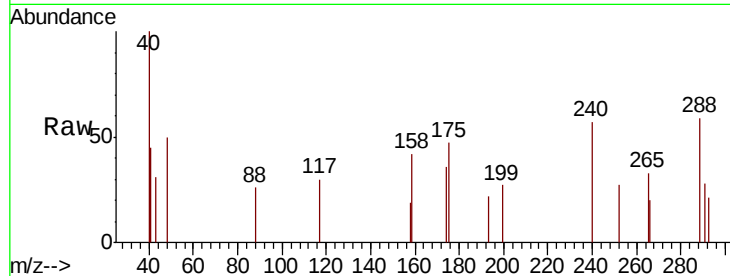
Tot Ion: 43 Resp: 92

Ion Ratio Lower Upper

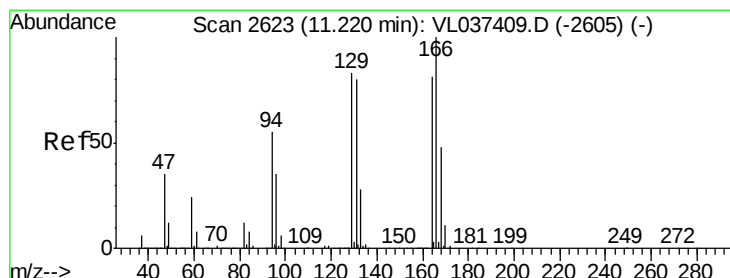
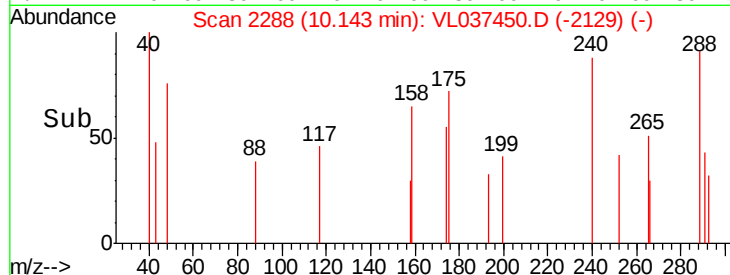
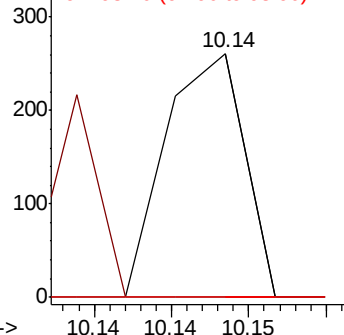
43 100

58 0.0 39.9 59.9#

98 0.0 0.2 0.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.019 ppbv

RT: 11.22 min Scan# 2623

Delta R.T. 0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Tgt Ion: 164 Resp: 2490

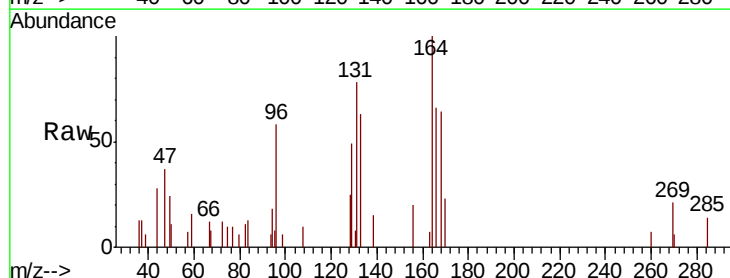
Ion Ratio Lower Upper

164 100

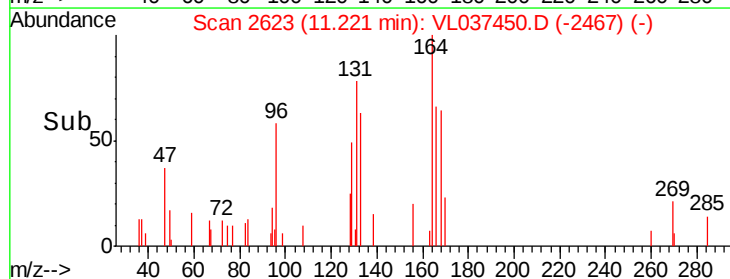
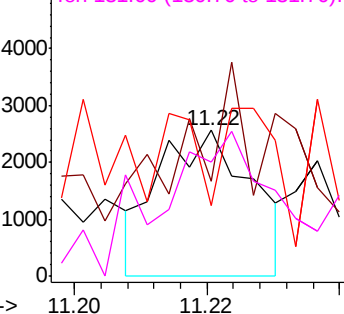
166 3.4 98.6 147.8#

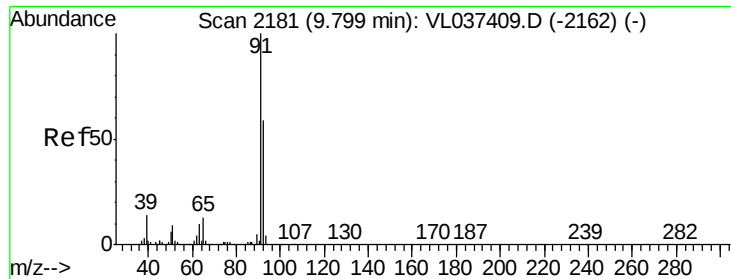
129 0.0 82.0 123.0#

131 34.2 78.6 117.8#



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.012 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.01 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :

MSVOA_L

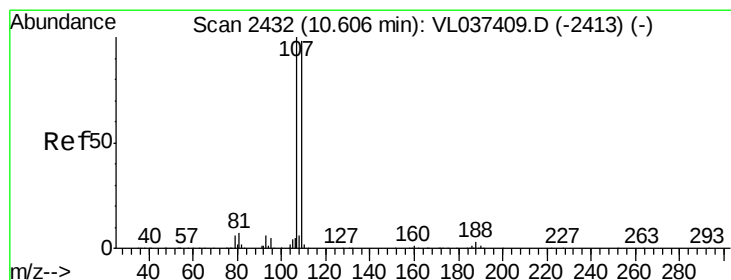
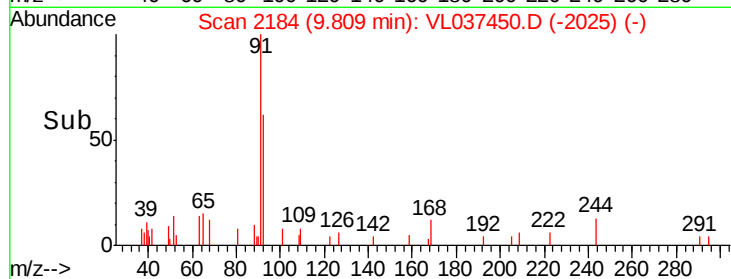
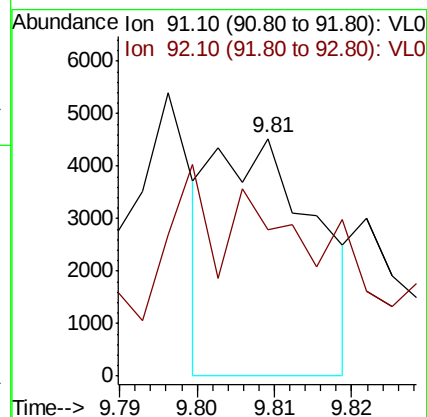
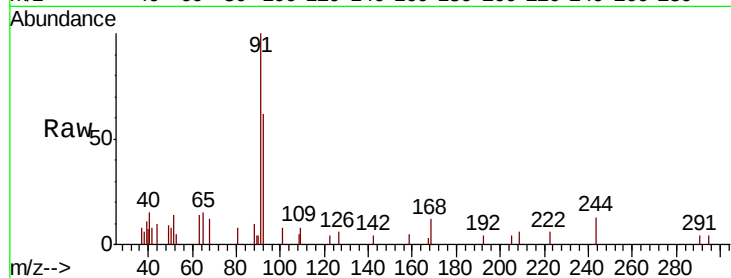
ClientSampled :

Tot Ion: 91 Resp: 4091

Ion Ratio Lower Upper

91 100

92 0.0 49.0 73.6#



#54

1,2-Dibromoethane

Concen: 0.001 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.04 min

Lab File: VL037450.D

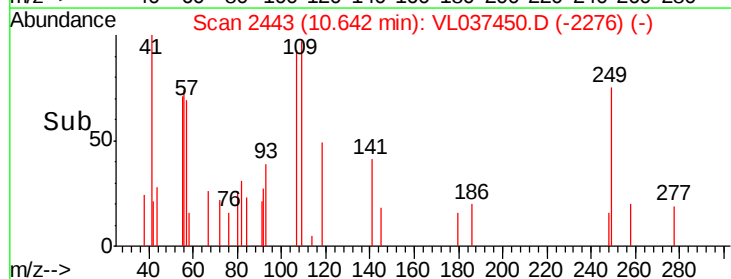
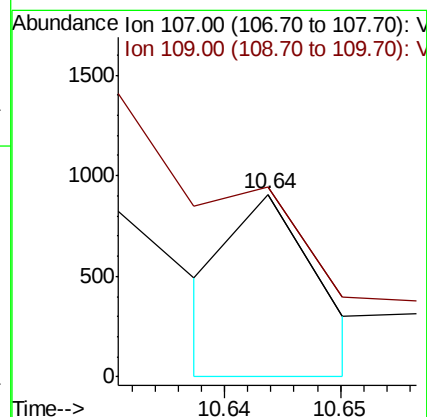
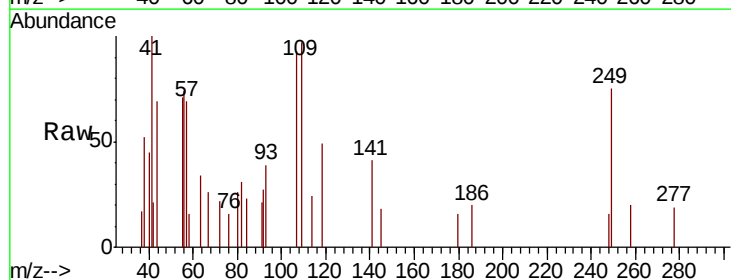
Acq: 13 Aug 2021 15:50

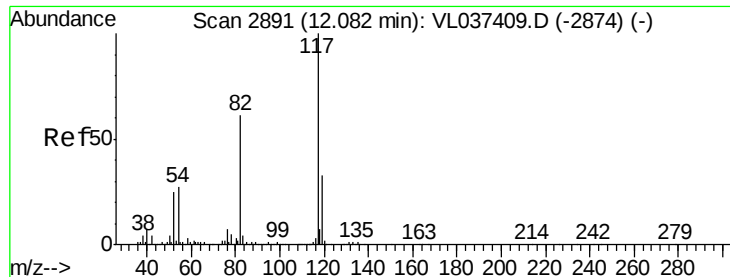
Tgt Ion: 107 Resp: 233

Ion Ratio Lower Upper

107 100

109 89.9 78.4 117.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :

MSVOA_L

ClientSampleId :

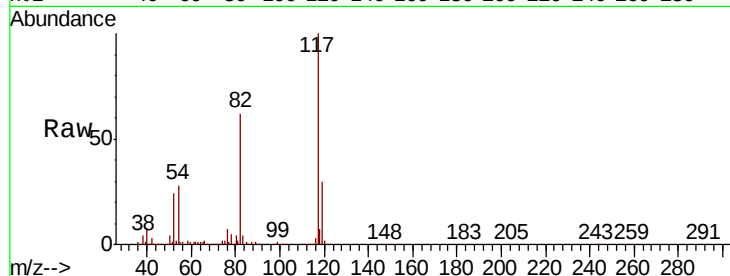
Tot Ion:117 Resp: 3093906

Ion Ratio Lower Upper

117 100

82 64.2 53.1 79.7

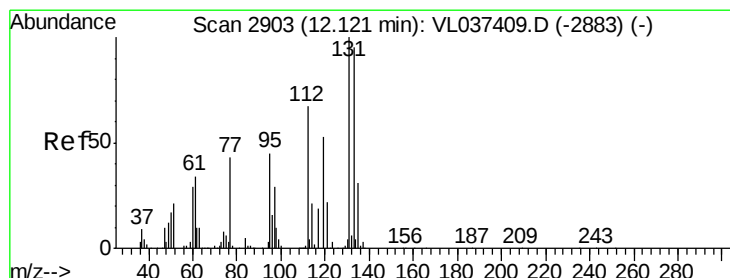
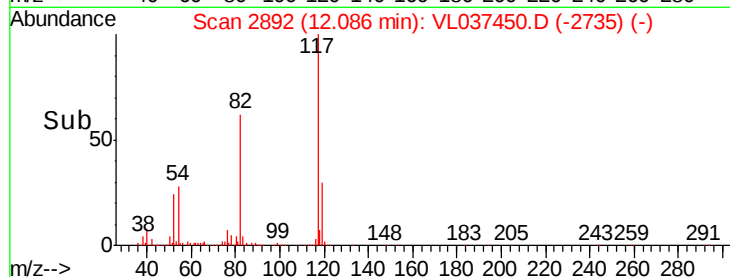
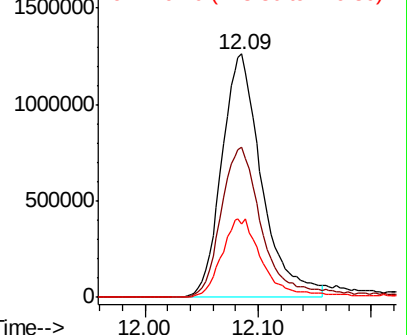
119 34.7 28.0 42.0



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: 0.022 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. 0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

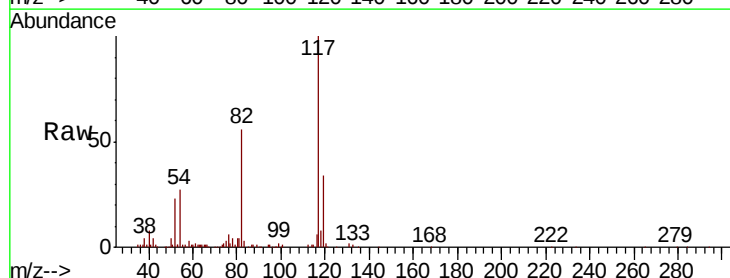
Tgt Ion:131 Resp: 2757

Ion Ratio Lower Upper

131 100

133 200.2 77.1 115.7#

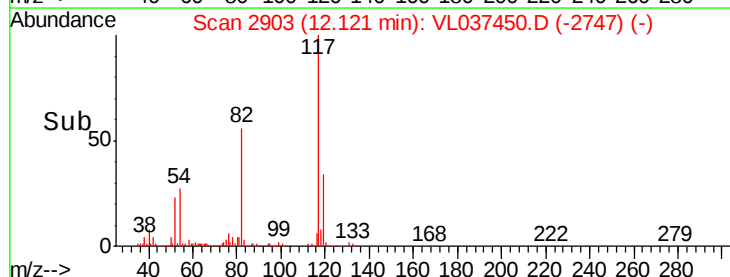
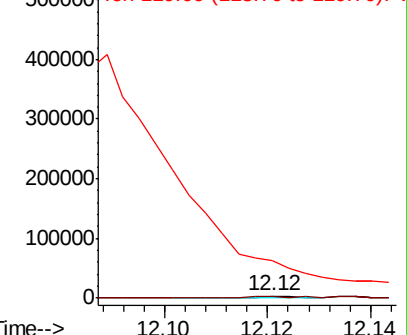
119 0.0 59.7 89.5#

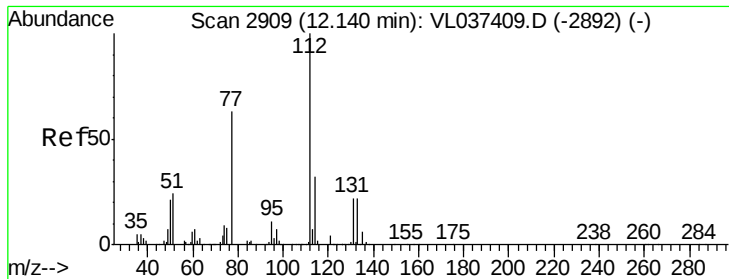


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

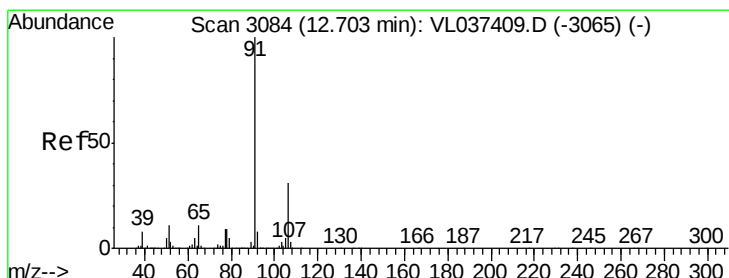
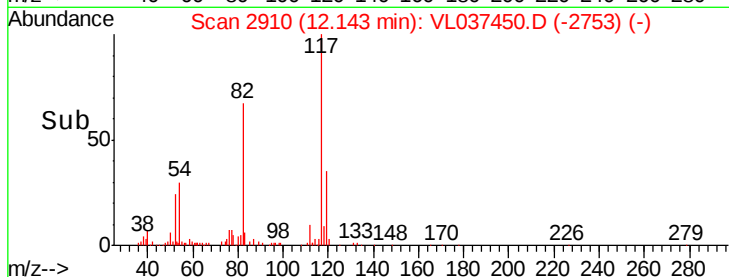
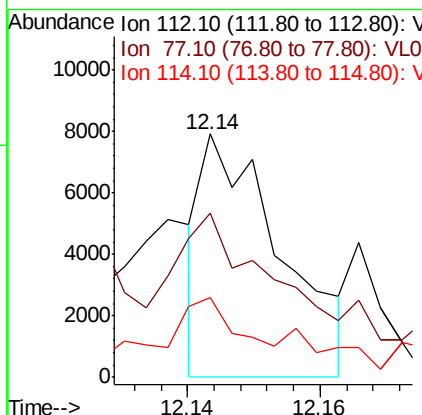
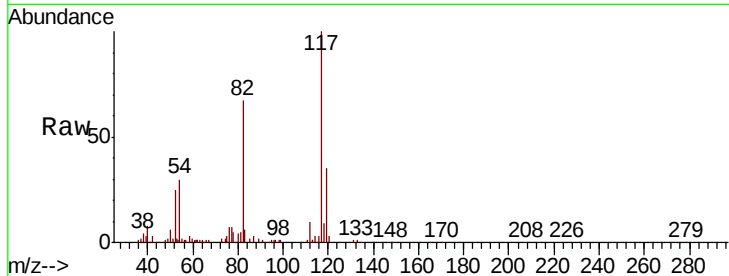




#57
Chlorobenzene
Concen: 0.026 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.00 min
Lab File: VL037450.D
Acq: 13 Aug 2021 15:50

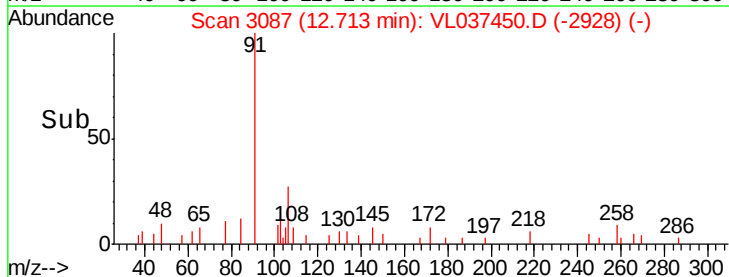
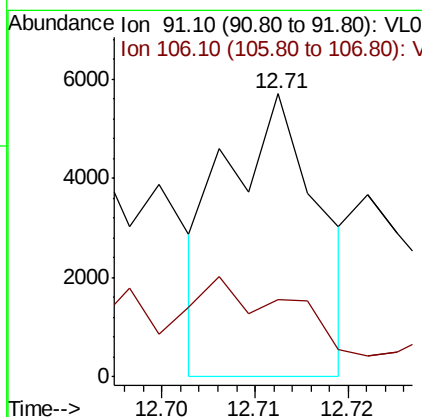
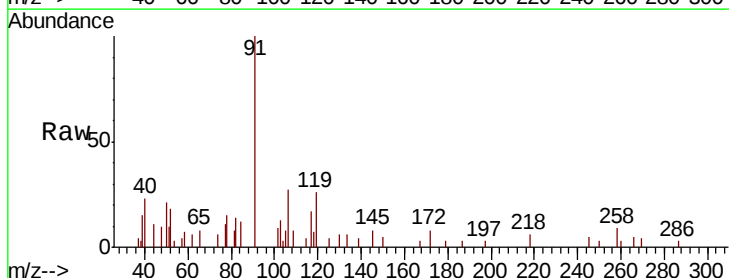
Instrument :
MSVOA_L
ClientSampleId :

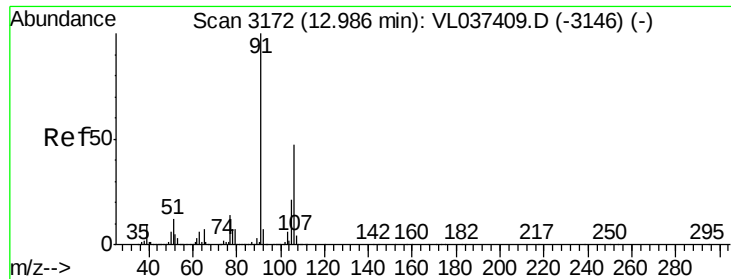
Tot Ion:112 Resp: 6572
Ion Ratio Lower Upper
112 100
77 56.9 50.0 75.0
114 26.4 28.5 34.9#



#58
Ethyl Benzene
Concen: 0.010 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. 0.01 min
Lab File: VL037450.D
Acq: 13 Aug 2021 15:50

Tgt Ion: 91 Resp: 4008
Ion Ratio Lower Upper
91 100
106 35.4 24.7 37.1

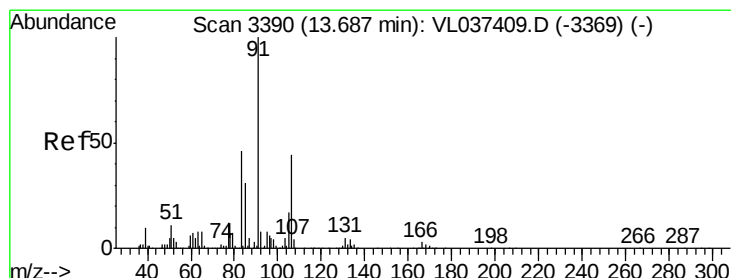
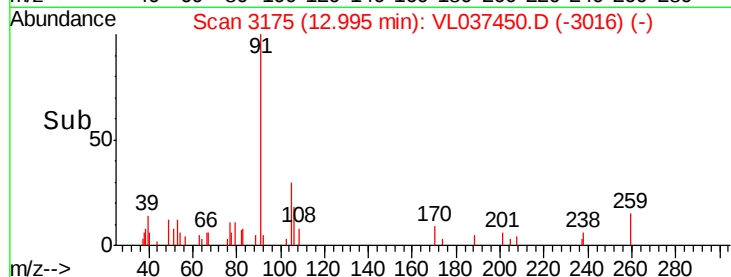
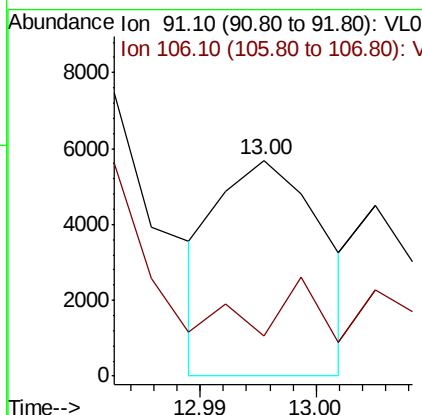
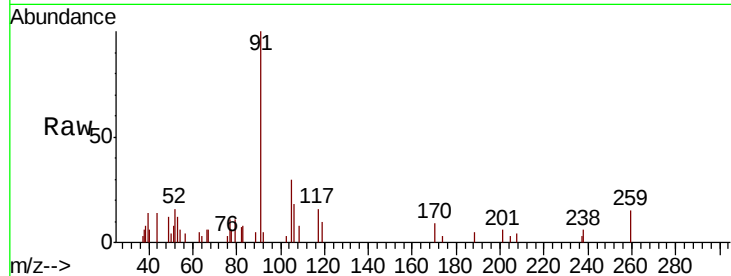




#59
m/p-Xylene
Concen: 0.010 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. 0.01 min
Lab File: VL037450.D
Acq: 13 Aug 2021 15:50

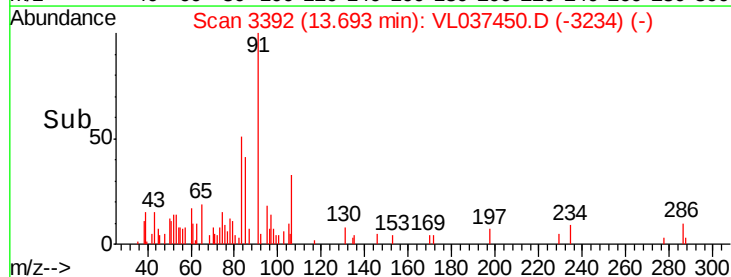
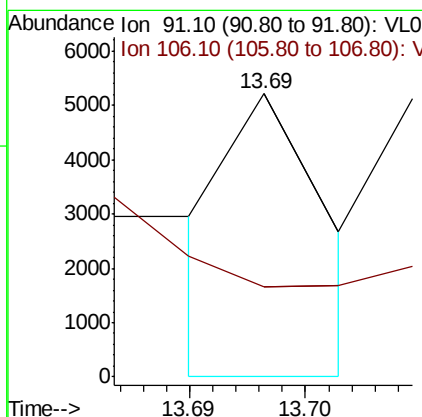
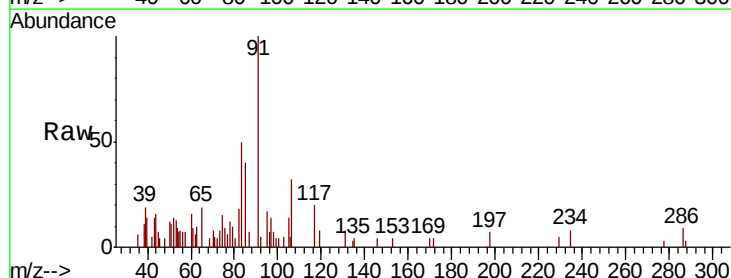
Instrument :
MSVOA_L
ClientSampled :

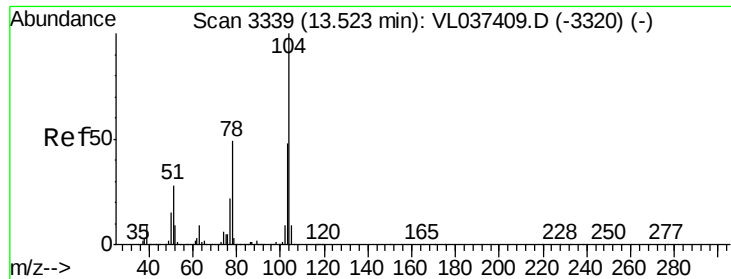
Tot Ion: 91 Resp: 3592
Ion Ratio Lower Upper
91 100
106 0.0 36.6 54.8#



#60
o-Xylene
Concen: 0.004 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.01 min
Lab File: VL037450.D
Acq: 13 Aug 2021 15:50

Tgt Ion: 91 Resp: 1524
Ion Ratio Lower Upper
91 100
106 0.0 24.1 72.2#

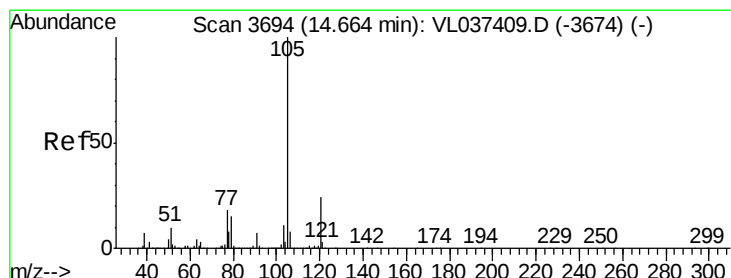
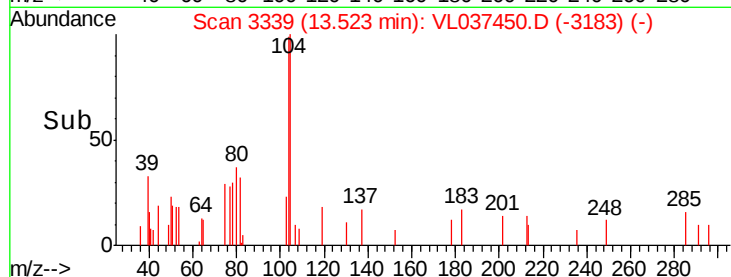
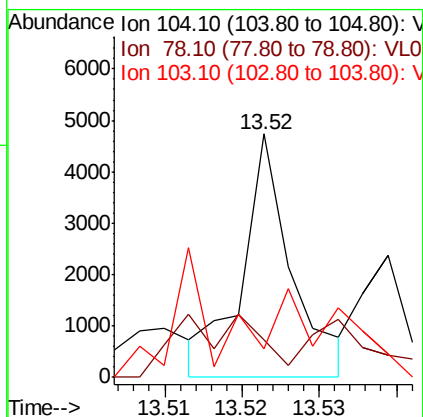
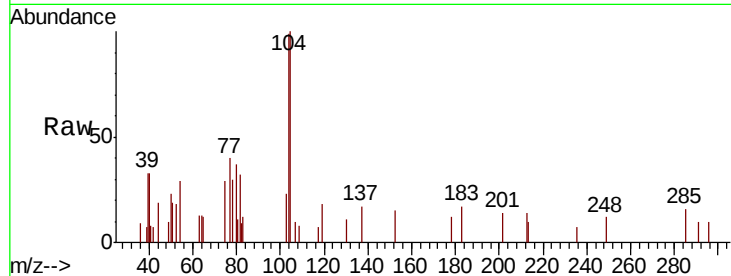




#61
Stvrene
Concen: 0.012 ppbv
RT: 13.52 min Scan# 3339
Delta R.T. 0.00 min
Lab File: VL037450.D
Acq: 13 Aug 2021 15:50

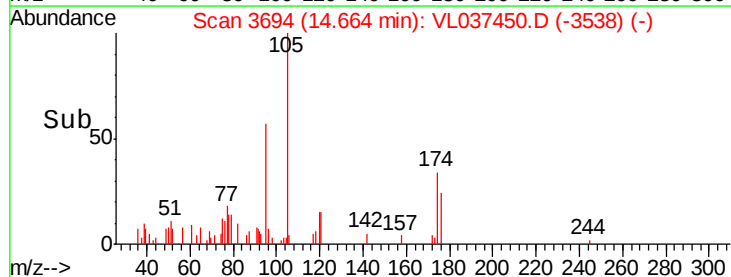
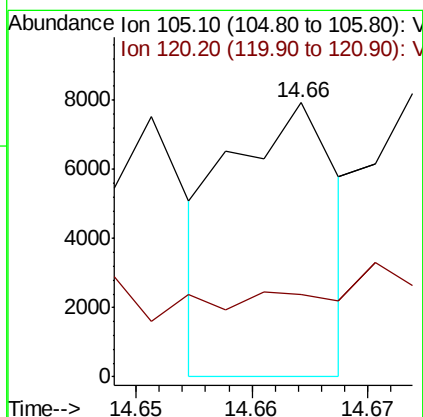
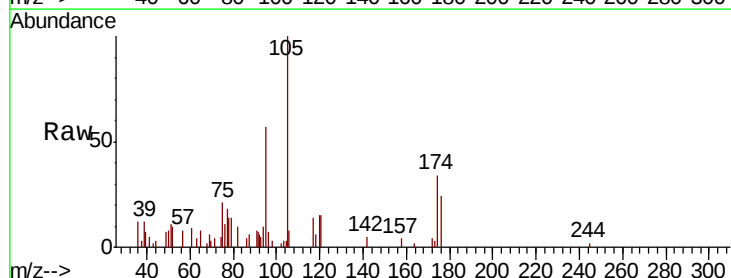
Instrument :
MSVOA_L
ClientSampled :

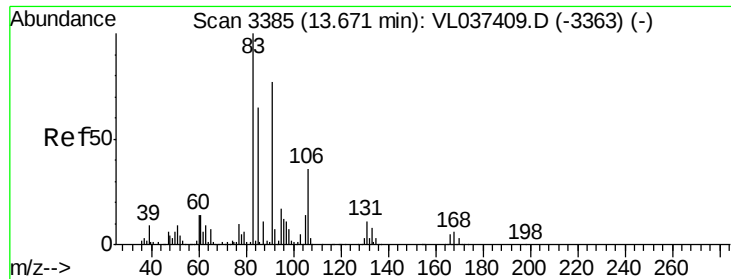
Tot Ion:104 Resp: 2111
Ion Ratio Lower Upper
104 100
78 84.6 41.5 62.3#
103 0.0 40.2 60.2#



#62
Isopropylbenzene
Concen: 0.010 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VL037450.D
Acq: 13 Aug 2021 15:50

Tgt Ion:105 Resp: 5125
Ion Ratio Lower Upper
105 100
120 0.0 21.6 32.4#

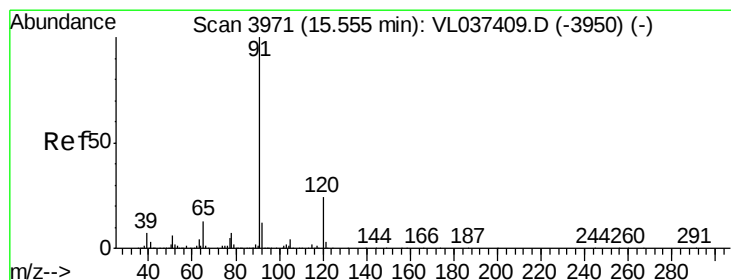
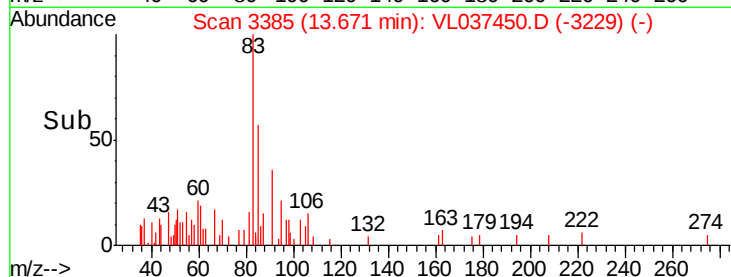
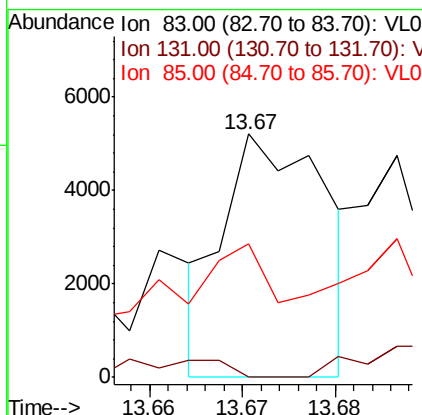
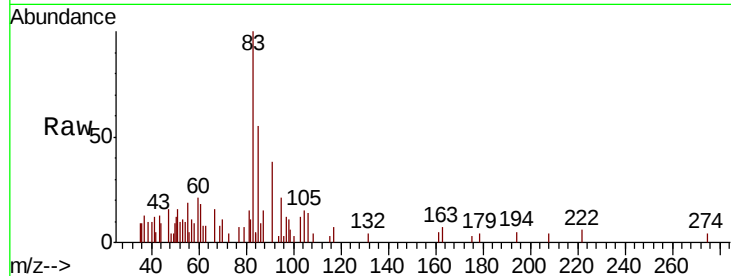




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.015 ppbv
 RT: 13.67 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

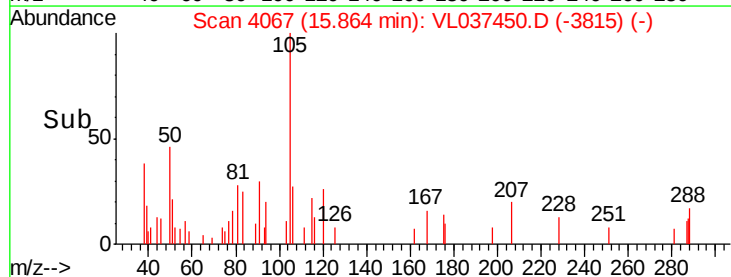
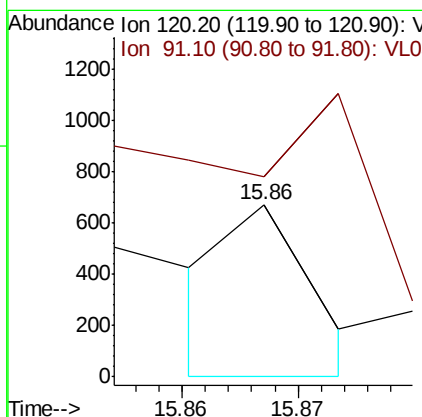
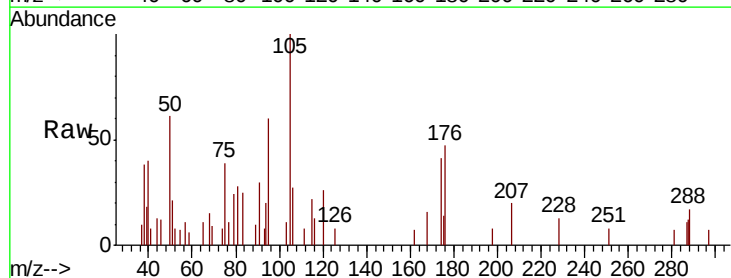
Instrument :
 MSVOA_L
 ClientSampleId :

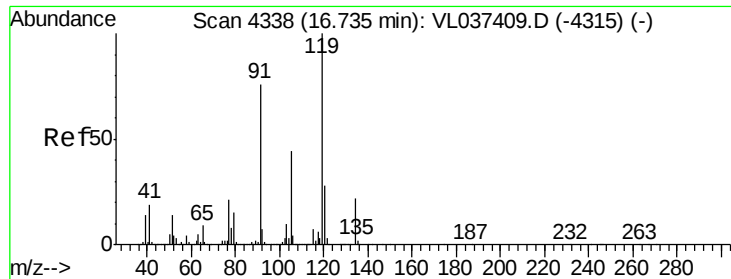
Tot Ion: 83 Resp: 3990
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.1 15.4#
 85 0.0 33.4 100.2#



#64
 n-propylbenzene
 Concen: 0.001 ppbv
 RT: 15.86 min Scan# 4067
 Delta R.T. 0.31 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

Tgt Ion:120 Resp: 165
 Ion Ratio Lower Upper
 120 100
 91 545.5 388.4 582.6





#65

tert-Butylbenzene

Concen: 0.003 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. 0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :

MSVOA_L

ClientSampled :

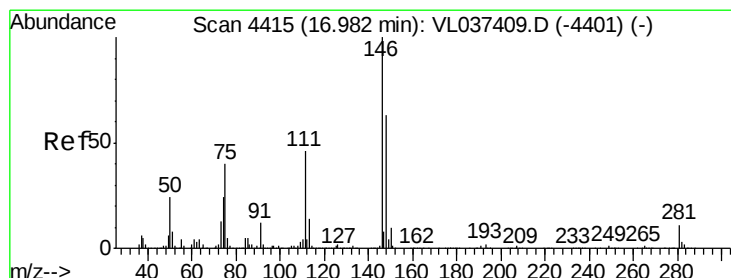
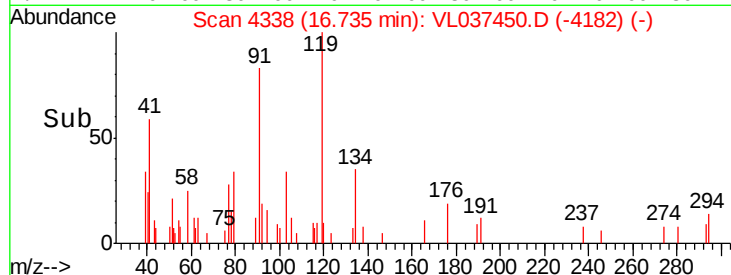
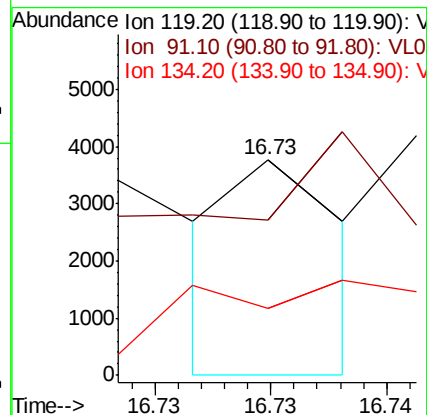
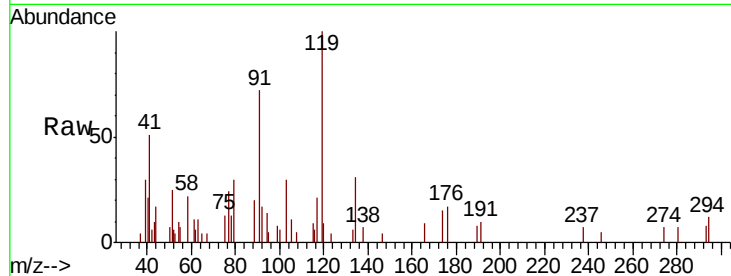
Tot Ion: 119 Resp: 1247

Ion Ratio Lower Upper

119 100

91 0.0 62.2 93.4#

134 244.8 16.1 24.1#



#66

Benzyl Chloride

Concen: 0.042 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. 0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

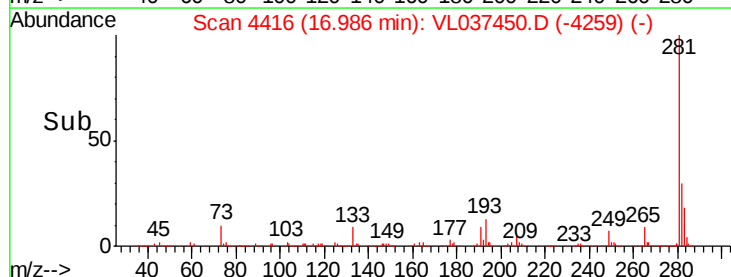
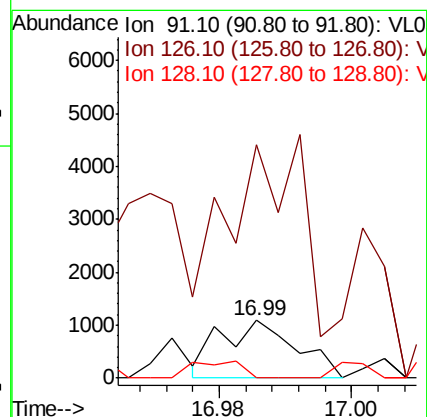
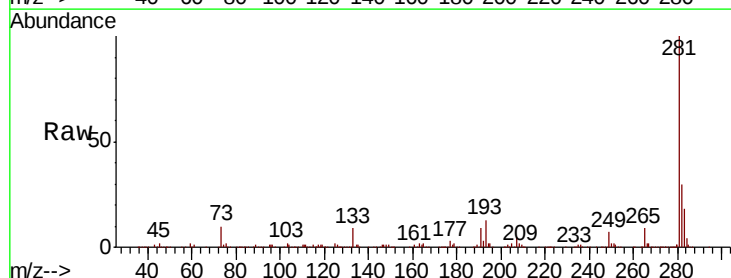
Tgt Ion: 91 Resp: 858

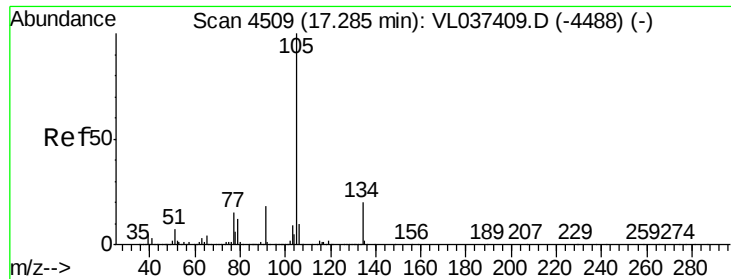
Ion Ratio Lower Upper

91 100

126 1033.0 14.3 21.5#

128 25.8 4.6 7.0#





#67

sec-Butylbenzene

Concen: 0.006 ppbv

RT: 17.29 min Scan# 4510

Delta R.T. 0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :

MSVOA_L

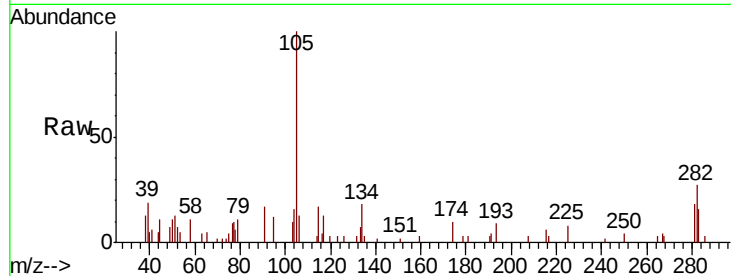
ClientSampled :

Tot Ion:105 Resp: 3326

Ion Ratio Lower Upper

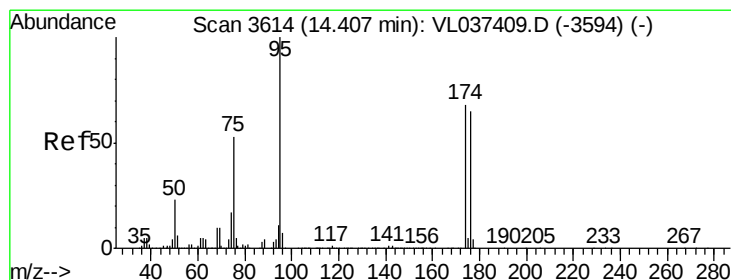
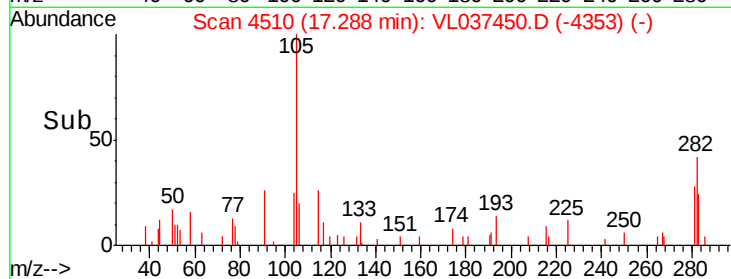
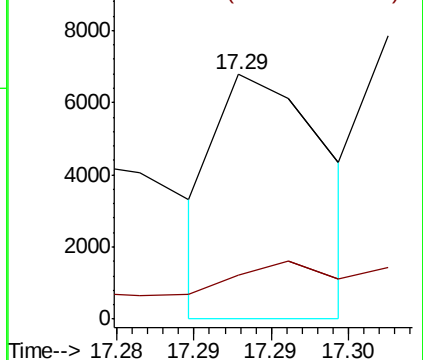
105 100

134 0.0 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: 9.991 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.01 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

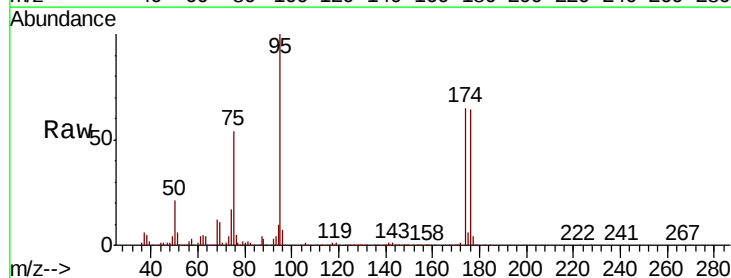
Tgt Ion: 95 Resp: 2217286

Ion Ratio Lower Upper

95 100

174 77.1 59.6 89.4

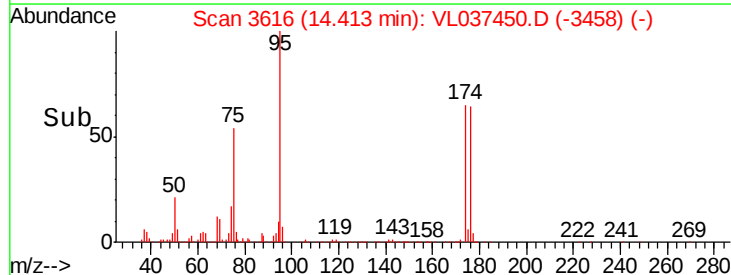
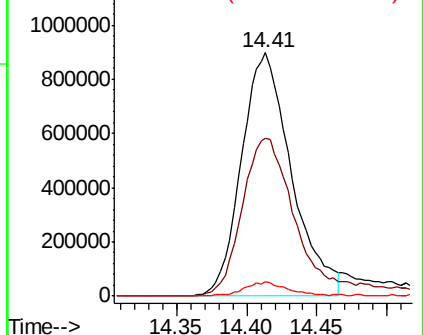
175 5.8 4.3 6.5

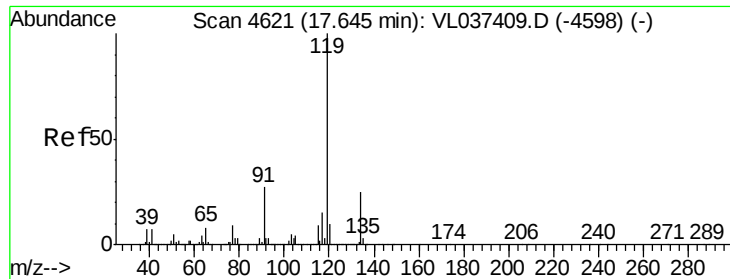


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

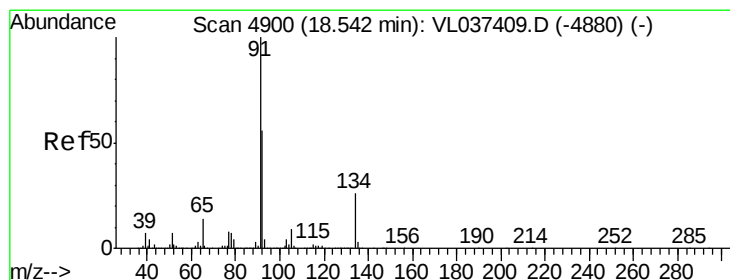
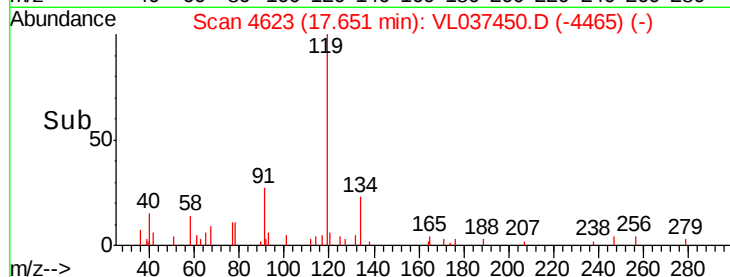
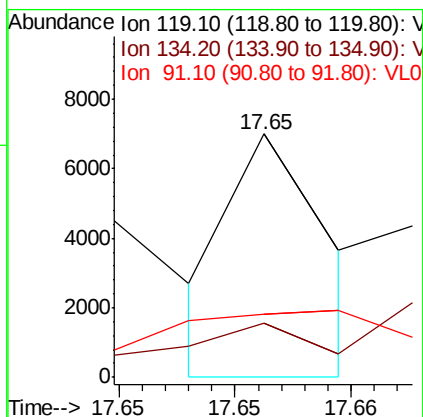
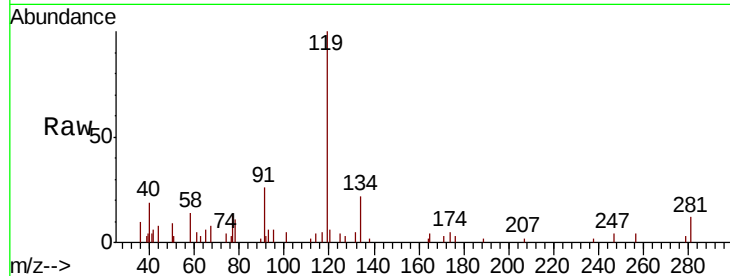




#69
 p-Isopropyltoluene
 Concen: 0.004 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. 0.01 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

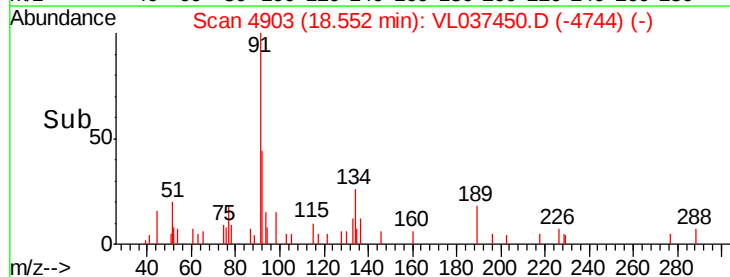
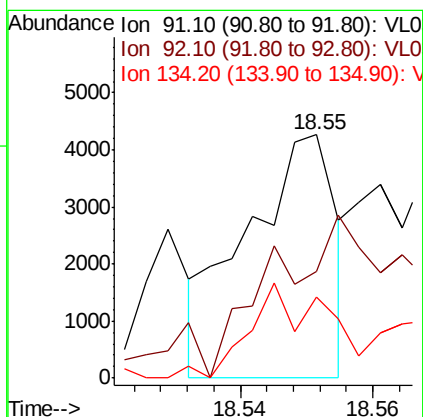
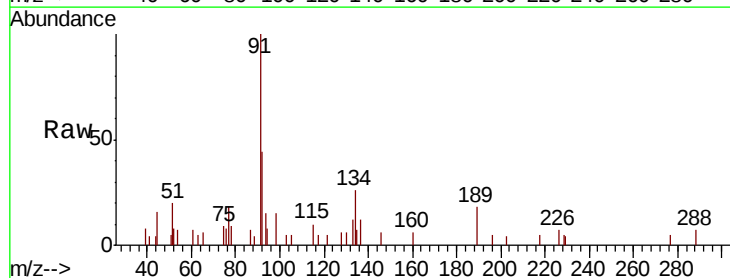
Instrument :
 MSVOA_L
 ClientSampled :

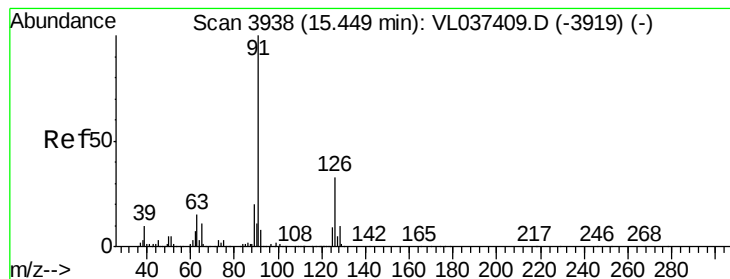
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.6	31.0#
91	0.0	22.4	33.6#



#70
 n-Butylbenzene
 Concen: 0.009 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. 0.01 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	182.2	44.2	66.2#
134	35.8	19.5	29.3#





#71

2-Chlorotoluene

Concen: 0.015 ppbv

RT: 15.45 min Scan# 3938

Delta R.T. 0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :

MSVOA_L

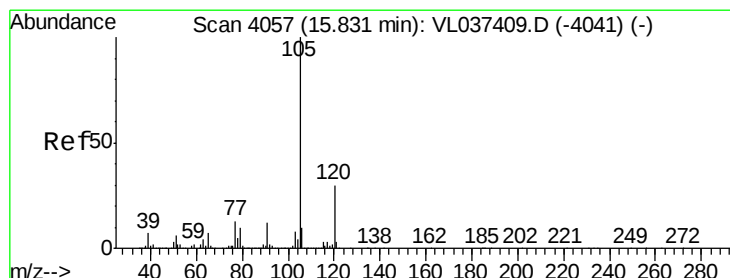
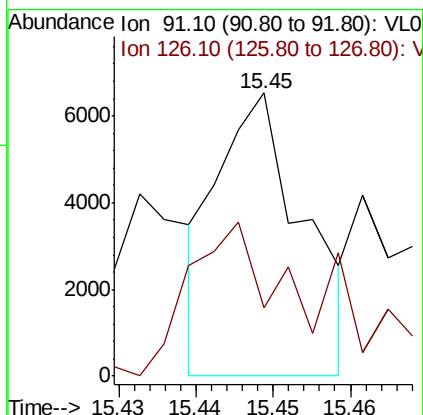
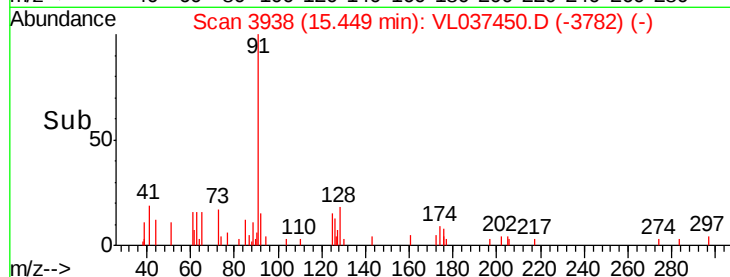
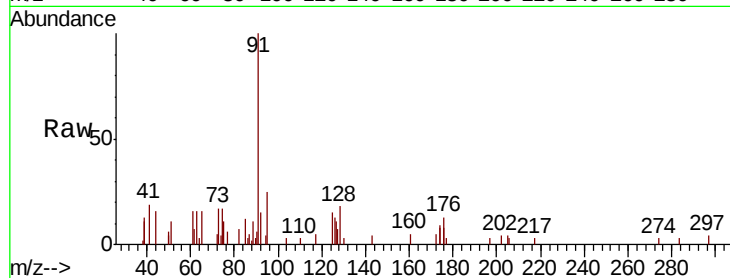
ClientSampleId :

Tot Ion: 91 Resp: 5077

Ion Ratio Lower Upper

91 100

126 102.5 13.5 53.9#



#72

4-Ethyltoluene

Concen: 0.006 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. 0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Tgt Ion: 105 Resp: 2216

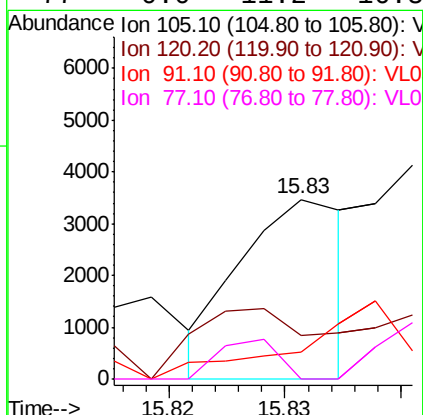
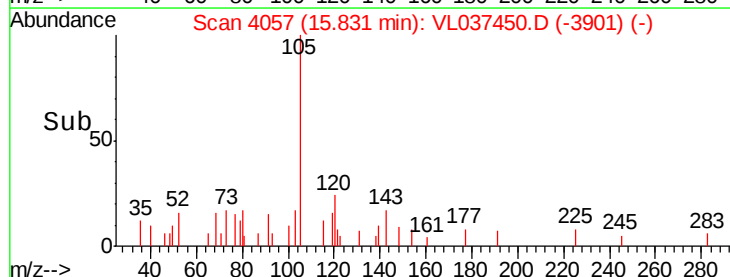
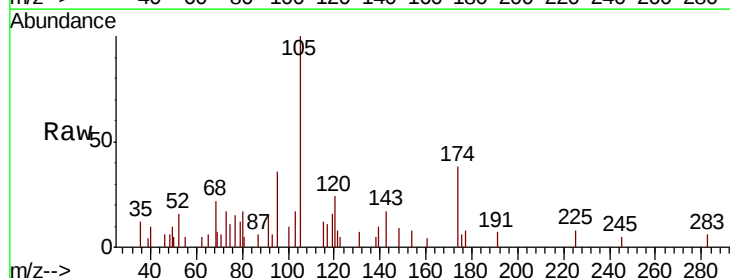
Ion Ratio Lower Upper

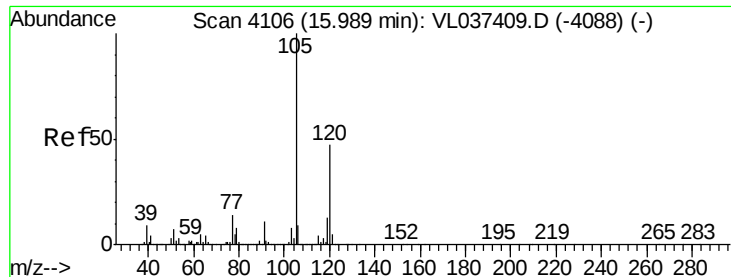
105 100

120 0.0 25.0 37.4#

91 0.0 11.2 16.8#

77 0.0 11.2 16.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.010 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. 0.01 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :

MSVOA_L

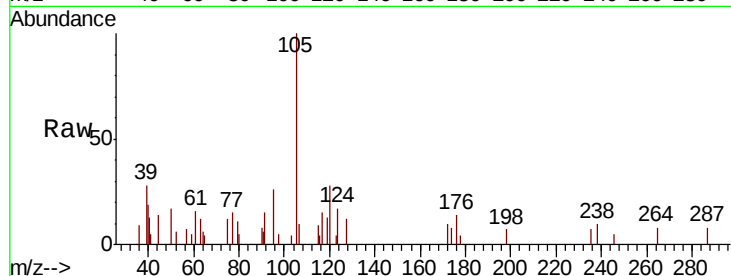
ClientSampleId :

Tot Ion:105 Resp: 3838

Ion Ratio Lower Upper

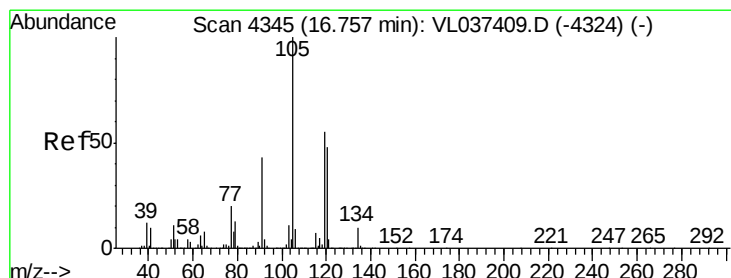
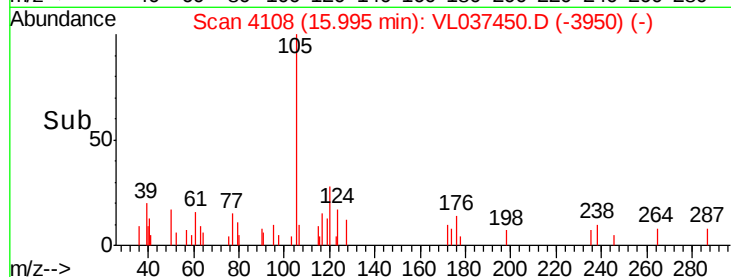
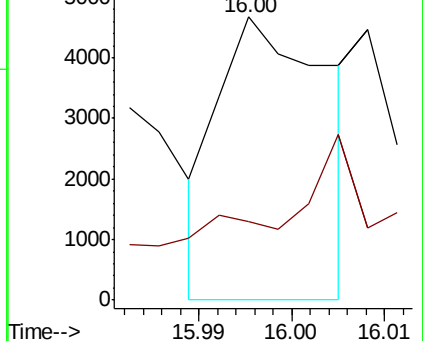
105 100

120 10.2 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: 0.009 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.01 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Tgt Ion:105 Resp: 3303

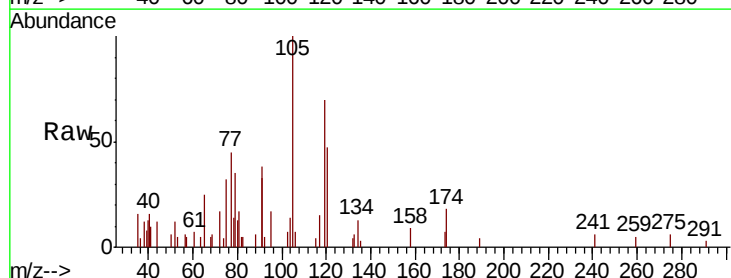
Ion Ratio Lower Upper

105 100

120 20.5 38.2 57.2#

91 77.3 35.4 53.2#

77 82.8 16.2 24.2#

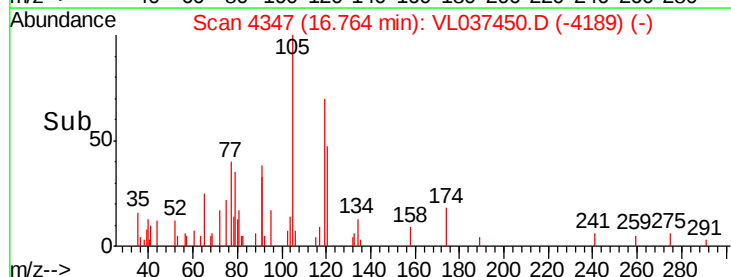
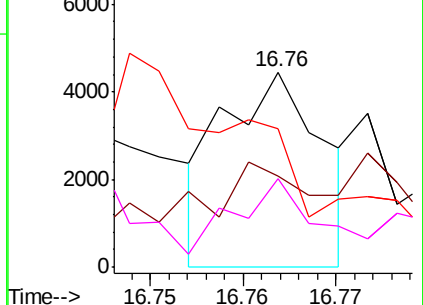


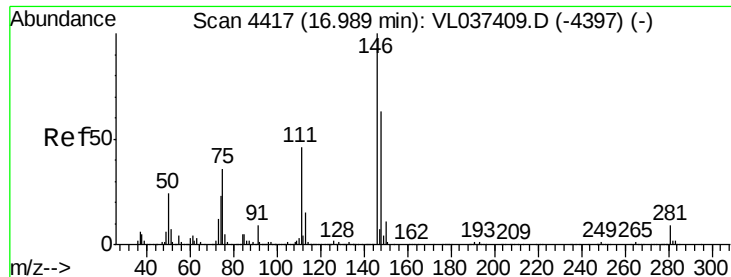
Abundance Ion 105.10 (104.80 to 105.80): V

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

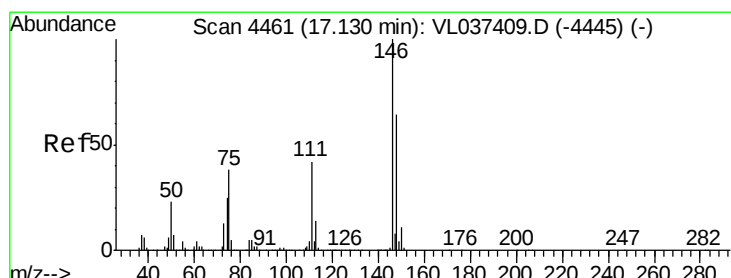
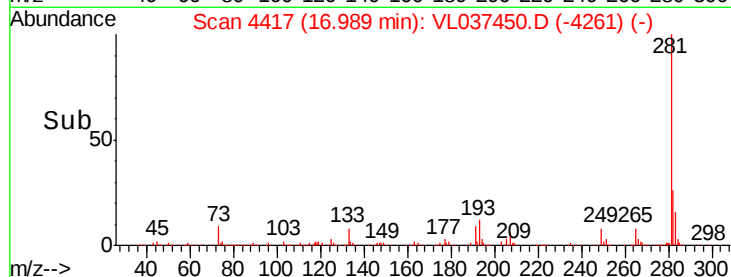
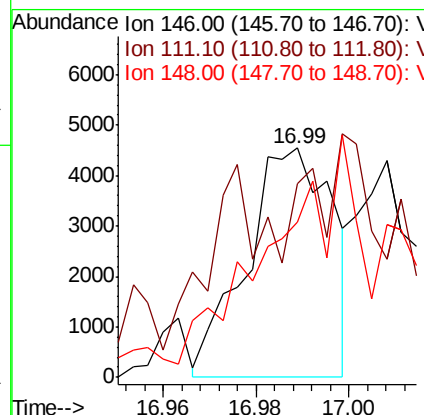
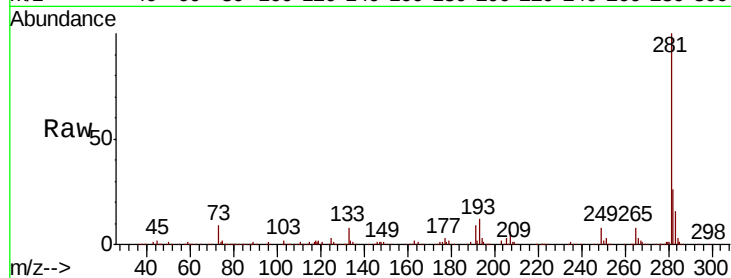




#75
 1,3-Dichlorobenzene
 Concen: 0.025 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T. 0.00 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

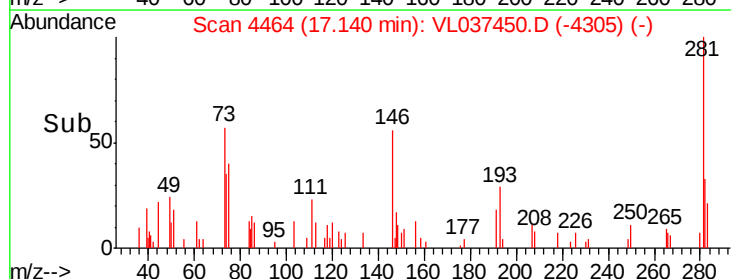
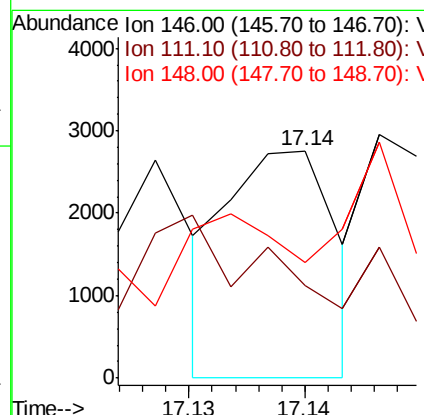
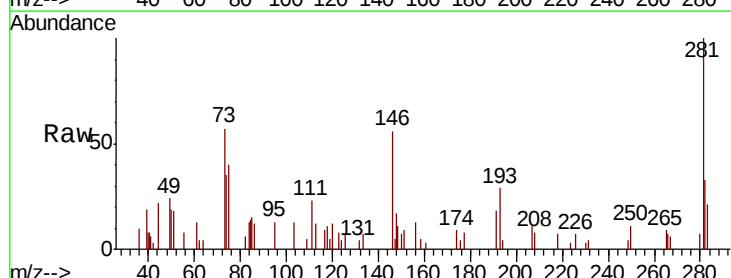
Instrument :
 MSVOA_L
 ClientSampled :

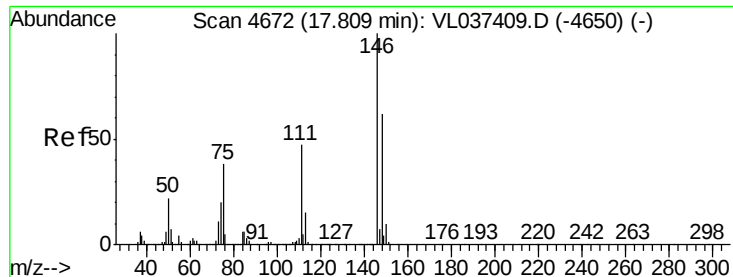
Tot Ion:146 Resp: 5837
 Ion Ratio Lower Upper
 146 100
 111 0.0 22.9 68.7#
 148 0.0 32.0 96.2#



#76
 1,4-Dichlorobenzene
 Concen: 0.008 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. 0.01 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

Tgt Ion:146 Resp: 1786
 Ion Ratio Lower Upper
 146 100
 111 0.0 22.8 68.4#
 148 0.0 34.0 102.0#

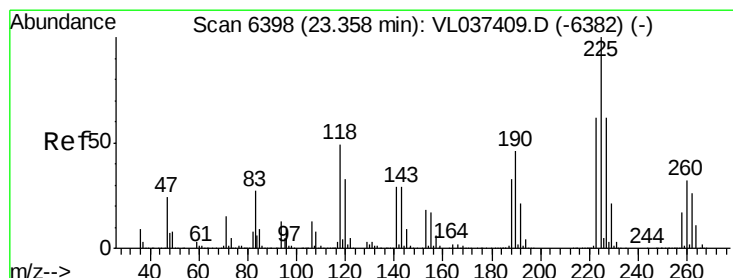
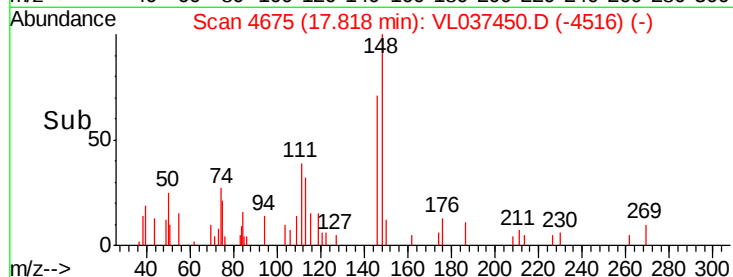
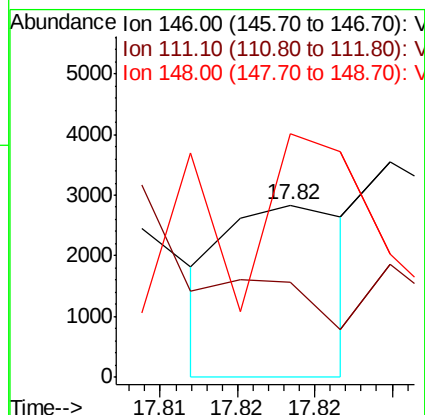
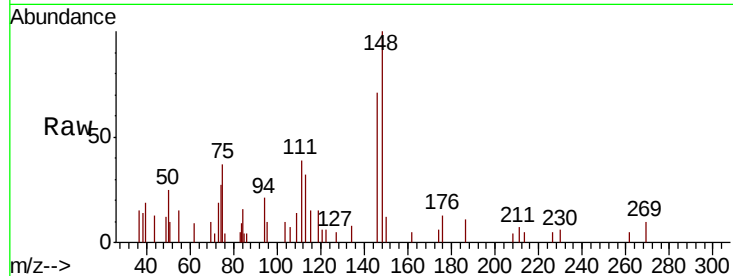




#77
 1,2-Dichlorobenzene
 Concen: 0.007 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. 0.01 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

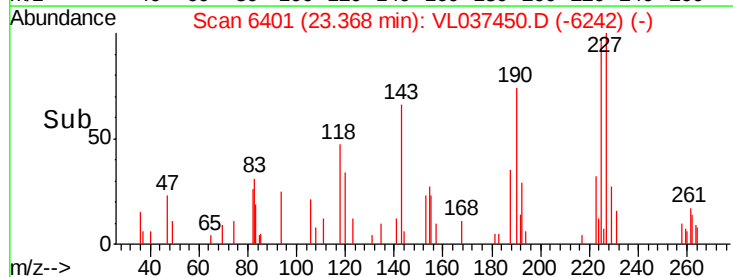
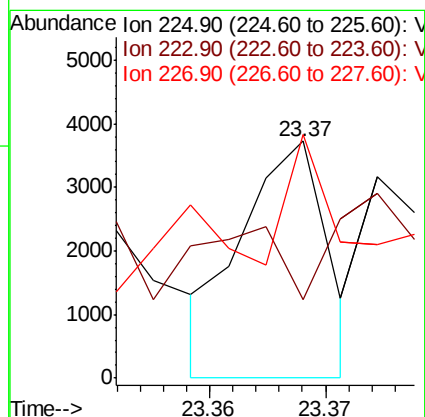
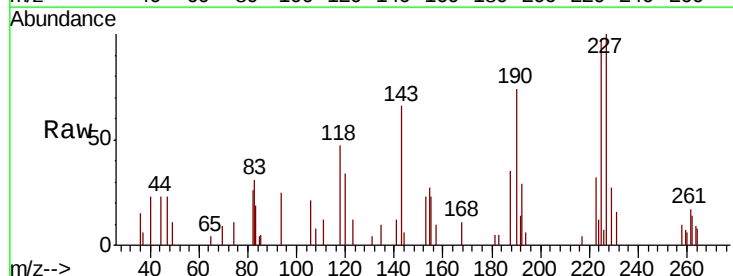
Instrument :
 MSVOA_L
 ClientSampled :

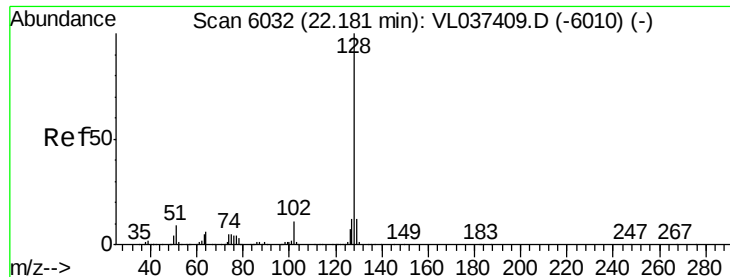
Tot Ion:146 Resp: 1565
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.8 71.5#
 148 384.1 32.5 97.4#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.010 ppbv
 RT: 23.37 min Scan# 6401
 Delta R.T. 0.01 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

Tgt Ion:225 Resp: 1909
 Ion Ratio Lower Upper
 225 100
 223 0.0 51.2 76.8#
 227 346.9 52.2 78.4#





#79

Naphthalene

Concen: 0.002 ppbv

RT: 22.19 min Scan# 6036

Delta R.T. 0.01 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :

MSVOA_L

ClientSampled :

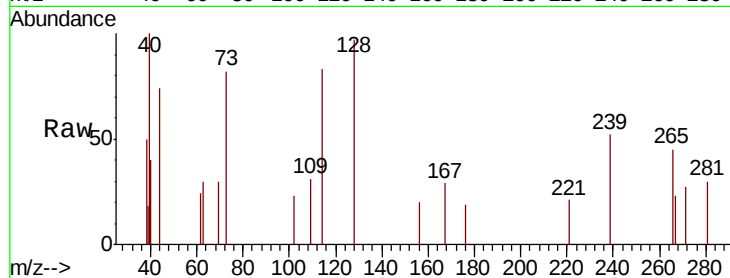
Tot Ion:128 Resp: 445

Ion Ratio Lower Upper

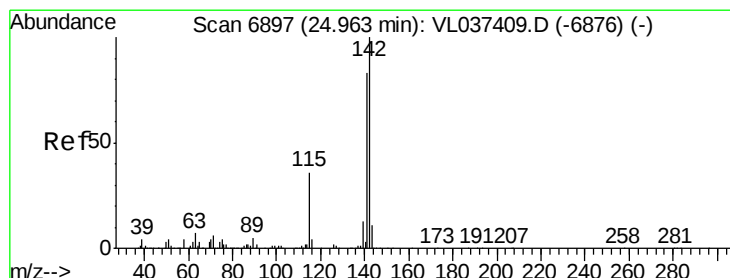
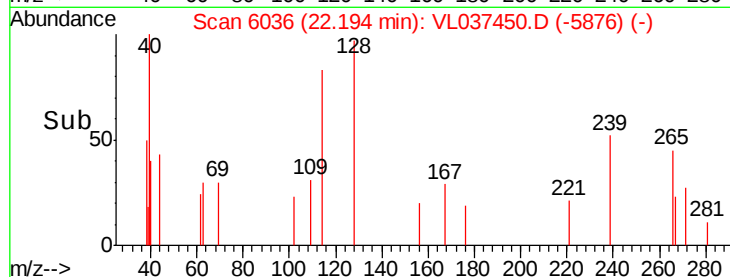
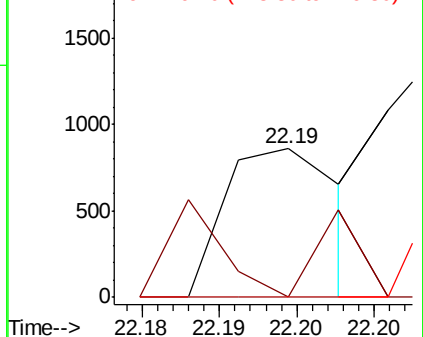
128 100

127 0.0 9.9 14.9#

129 0.0 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: 0.006 ppbv

RT: 25.15 min Scan# 6955

Delta R.T. 0.19 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

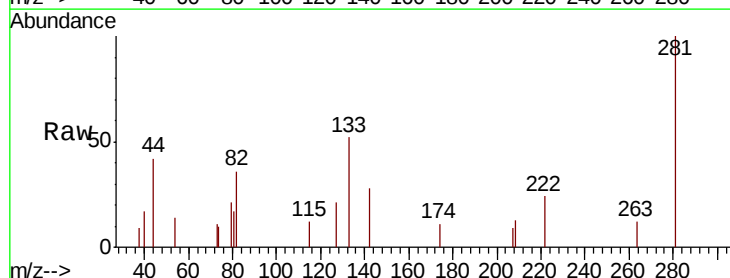
Tgt Ion:142 Resp: 248

Ion Ratio Lower Upper

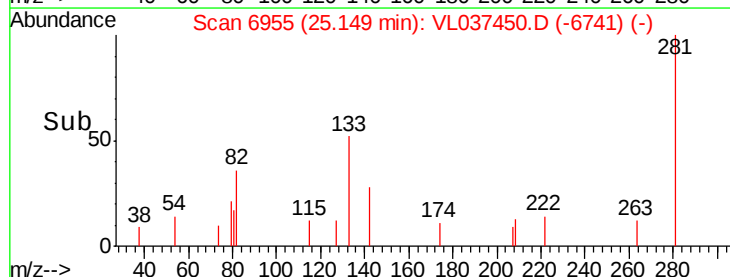
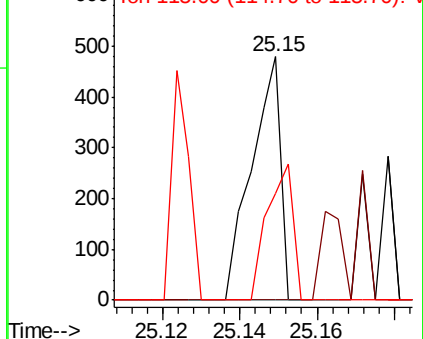
142 100

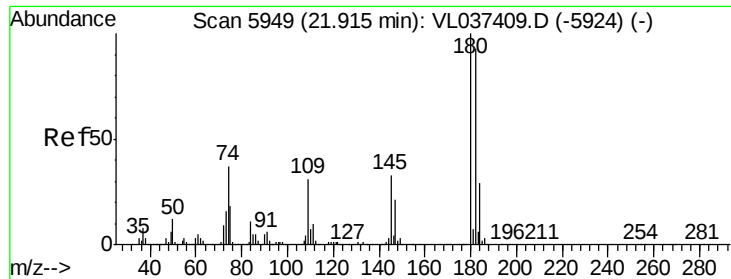
141 46.0 68.7 103.1#

115 106.9 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: 0.007 ppbv
 RT: 21.93 min Scan# 5954
 Delta R.T. 0.02 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 937
 Ion Ratio Lower Upper
 180 100
 182 310.2 78.6 118.0#
 184 149.7 24.6 36.8#

