

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081321\
 Data File : VL037448.D
 Acq On : 13 Aug 2021 14:36
 Operator : SY/AP
 Sample : M1458-14 0.03 LOQ
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 16 02:34:56 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	1204459	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3618127	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3108946	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2353832	10.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	9100	0.049	ppbv 92
3) Chlorodifluoromethane	2.99	51	11781	0.050	ppbv 93
4) Chloromethane	3.14	50	2505	0.029	ppbv # 78
5) Vinyl Chloride	3.25	62	1675	0.018	ppbv # 84
6) Bromomethane	3.47	94	976	0.020	ppbv # 56
7) Chloroethane	3.56	64	523	0.017	ppbv 98
8) Dichlorotetrafluoroethane	3.19	85	7003	0.034	ppbv # 73
9) Propene	3.01	41	2216	0.028	ppbv # 16
10) Heptane	8.12	43	1598	0.008	ppbv # 27
11) Trichlorofluoromethane	3.95	101	7568	0.038	ppbv # 46
12) 1,1,2-Trichlorotrifluoroet	4.49	101	4541	0.033	ppbv # 41
13) Ethanol	3.63	45	642	0.076	ppbv # 31
14) Bromoethene	3.73	108	329	0.005	ppbv # 1
15) Acetone	3.84	43	148	0.001	ppbv # 44
16) 1,3-Butadiene	3.32	39	881	0.010	ppbv # 1
17) tert-Butyl alcohol	4.33	59	651	0.005	ppbv # 19
18) 1,1-Dichloroethene	4.29	96	714	0.011	ppbv # 4
19) Isopropyl Alcohol	3.97	45	124	0.002	ppbv # 92
20) Methylene Chloride	4.34	84	4998	0.074	ppbv # 87
21) Allyl Chloride	4.41	41	3607	0.036	ppbv # 29
22) trans-1,2-Dichloroethene	4.88	96	468	0.008	ppbv # 15
23) Vinyl Acetate	5.06	43	1063	0.005	ppbv # 84
24) 1,1-Dichloroethane	5.01	63	2100	0.014	ppbv # 71
25) Ethyl Acetate	5.69	43	6278	0.021	ppbv # 81
26) Hexane	5.69	57	4087	0.026	ppbv # 1
27) Carbon Disulfide	4.55	76	1676	0.013	ppbv # 64
28) Methyl tert-Butyl Ether	5.05	73	2071	0.012	ppbv # 52
29) Chloroform	5.75	83	6272	0.028	ppbv 98
30) Cyclohexane	7.12	84	2878	0.022	ppbv # 48
31) cis-1,2-Dichloroethene	5.55	61	1862	0.014	ppbv # 35
32) 1,1,1-Trichloroethane	6.51	97	3040	0.014	ppbv # 1
34) 2-Butanone	5.23	43	2598	0.017	ppbv # 54
35) Carbon Tetrachloride	7.01	117	2607	0.012	ppbv 88
36) Benzene	6.88	78	3283	0.011	ppbv # 11
37) 1,2-Dichloroethane	6.30	62	5276	0.034	ppbv # 83
38) Trichloroethene	7.83	130	1451	0.011	ppbv # 56
39) 1,2-Dichloropropane	7.17	63	863426	7.429	ppbv # 27
40) 1,4-Dioxane	7.83	88	425	0.015	ppbv # 100
41) Tetrahydrofuran	6.04	42	64	0.001	ppbv # 34
42) Bromodichloromethane	7.78	83	1554	0.007	ppbv # 33
43) Methyl Methacrylate	7.99	69	58	0.001	ppbv # 1

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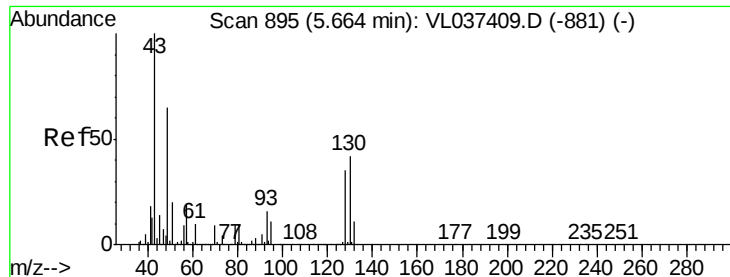
Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 16 02:34:56 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
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 Response via : Initial Calibration

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

44) 2,2,4-Trimethylpentane	7.86	57	4161	0.008	ppbv #	1
45) t-1,3-Dichloropropene	9.27	75	345	0.004	ppbv #	44
46) cis-1,3-Dichloropropene	8.21	75	261	0.002	ppbv	90
47) 1,1,2-Trichloroethane	9.47	97	690	0.005	ppbv #	62
48) Dibromochloromethane	10.42	129	196	0.001	ppbv	95
49) Bromoform	13.03	173	886	0.006	ppbv #	43
50) 4-Methyl-2-Pentanone	8.75	43	317	0.002	ppbv #	38
51) 2-Hexanone	10.13	43	186	0.002	ppbv #	28
52) Tetrachloroethene	11.22	164	4381	0.034	ppbv #	51
53) Toluene	9.79	91	1905	0.005	ppbv #	20
54) 1,2-Dibromoethane	10.61	107	1370	0.008	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	2923	0.024	ppbv #	17
57) Chlorobenzene	12.14	112	3363	0.013	ppbv #	47
58) Ethyl Benzene	12.73	91	1068	0.003	ppbv	90
59) m/p-Xylene	12.98	91	2195	0.006	ppbv #	31
60) o-Xylene	13.69	91	5640	0.016	ppbv #	1
61) Styrene	13.53	104	1497	0.009	ppbv #	9
62) Isopropylbenzene	14.66	105	3026	0.006	ppbv #	1
63) 1,1,2,2-Tetrachloroethane	13.67	83	2392	0.009	ppbv #	24
64) n-propylbenzene	15.55	120	1200	0.010	ppbv #	1
65) tert-Butylbenzene	16.73	119	2835	0.006	ppbv #	20
66) Benzyl Chloride	16.99	91	1049	0.052	ppbv #	1
67) sec-Butylbenzene	17.28	105	2724	0.005	ppbv #	58
69) p-Isopropyltoluene	17.64	119	2149	0.004	ppbv #	1
70) n-Butylbenzene	18.54	91	843	0.002	ppbv #	32
71) 2-Chlorotoluene	15.54	91	1642	0.005	ppbv	85
72) 4-Ethyltoluene	15.83	105	3761	0.009	ppbv #	42
73) 1,3,5-Trimethylbenzene	15.99	105	1785	0.005	ppbv #	75
74) 1,2,4-Trimethylbenzene	16.75	105	2198	0.006	ppbv #	76
75) 1,3-Dichlorobenzene	16.99	146	2798	0.012	ppbv #	1
76) 1,4-Dichlorobenzene	17.11	146	767	0.003	ppbv #	1
77) 1,2-Dichlorobenzene	17.81	146	1461	0.006	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.36	225	1467	0.008	ppbv #	18
79) Naphthalene	22.18	128	386	0.002	ppbv #	10
80) Naphthalene, 2-methyl-	24.97	142	108	0.002	ppbv #	41
81) 1,2,4-Trichlorobenzene	21.91	180	319	0.002	ppbv #	11

(#) = 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

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MSVOA_L

ClientSampleId :

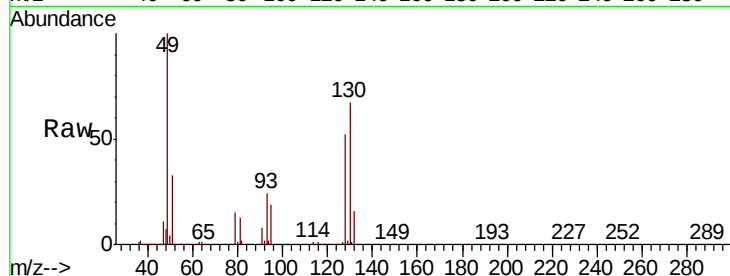
Tot Ion: 49 Resp: 1204459

Ion Ratio Lower Upper

49 100

128 56.0 27.9 83.6

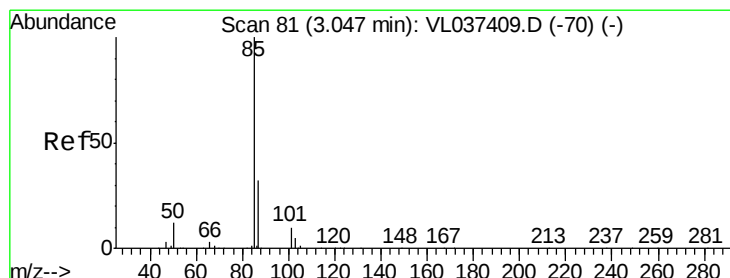
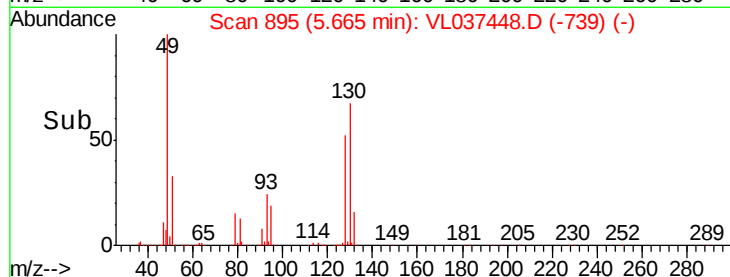
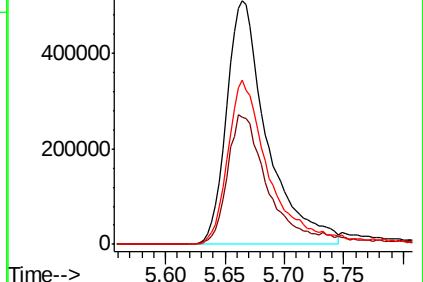
130 71.6 34.6 103.8



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: 0.049 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037448.D

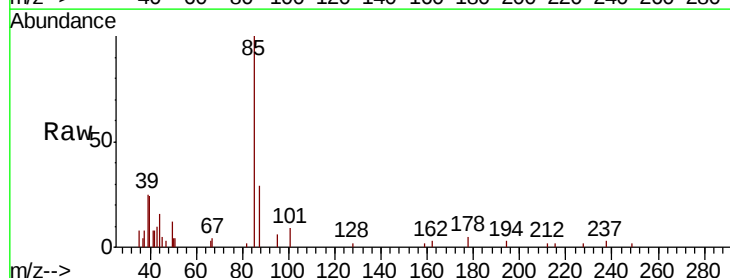
Acq: 13 Aug 2021 14:36

Tgt Ion: 85 Resp: 9100

Ion Ratio Lower Upper

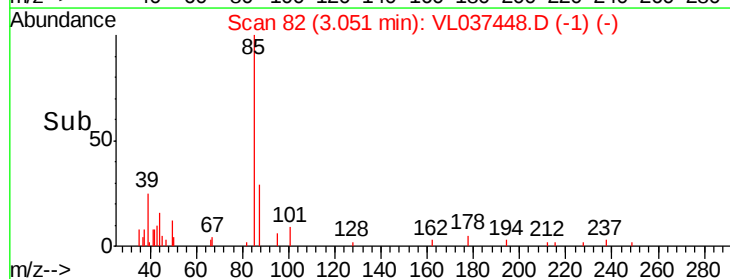
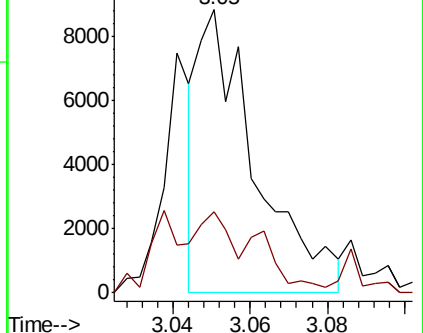
85 100

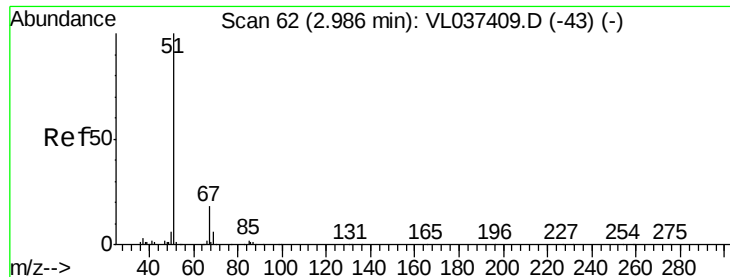
87 27.7 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.050 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :

MSVOA_L

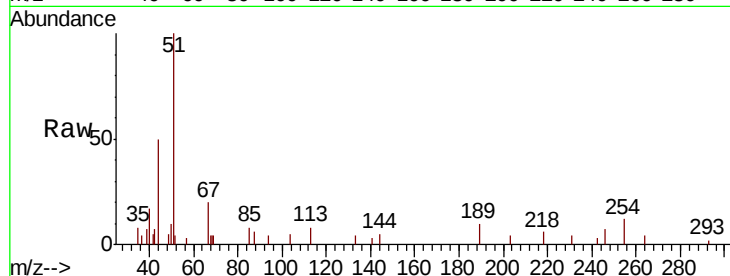
ClientSampled :

Tot Ion: 51 Resp: 11781

Ion Ratio Lower Upper

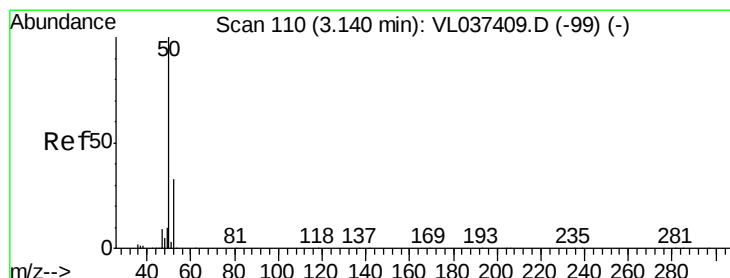
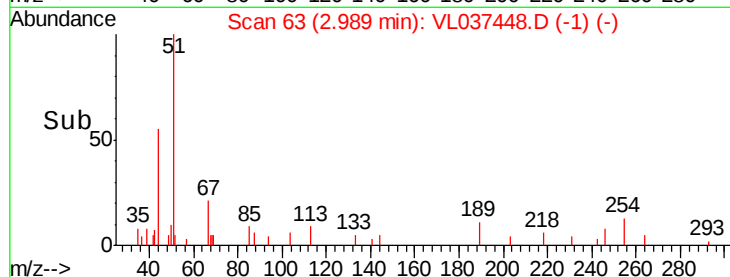
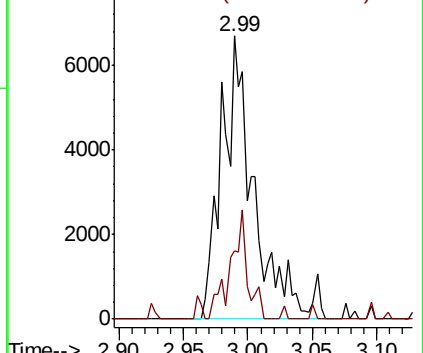
51 100

67 21.5 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.029 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL037448.D

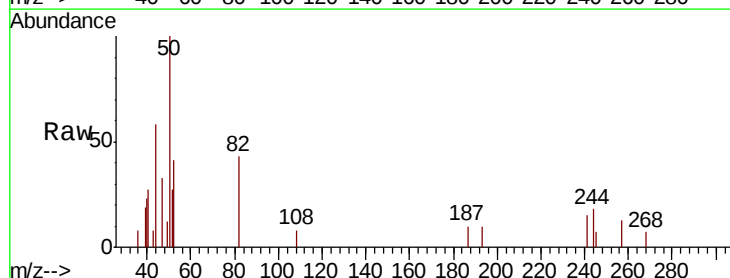
Acq: 13 Aug 2021 14:36

Tgt Ion: 50 Resp: 2505

Ion Ratio Lower Upper

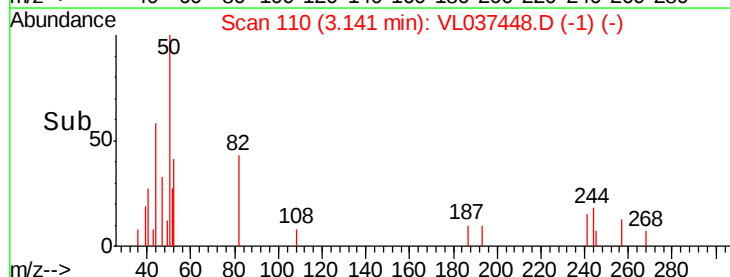
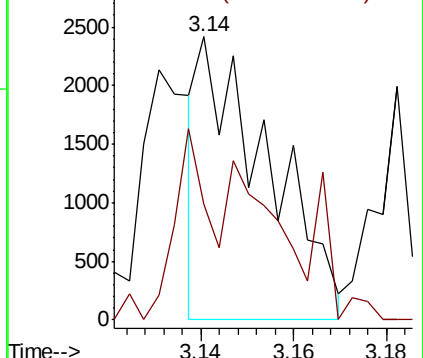
50 100

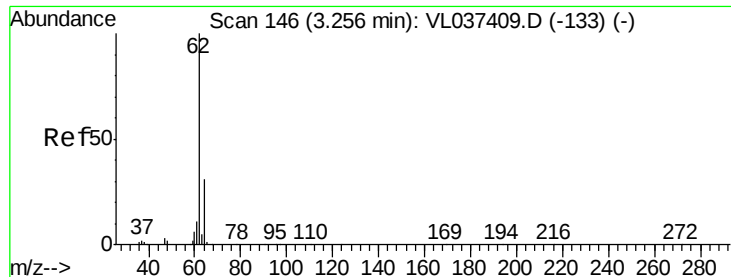
52 45.0 26.2 39.4#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.018 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :

MSVOA_L

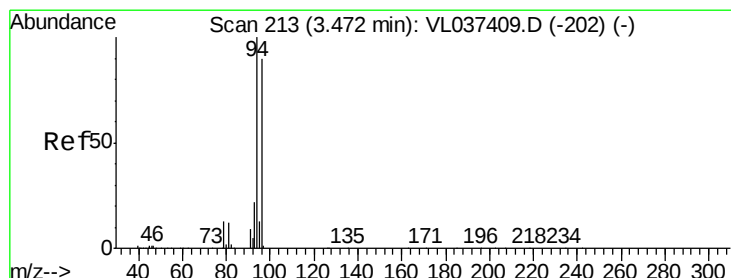
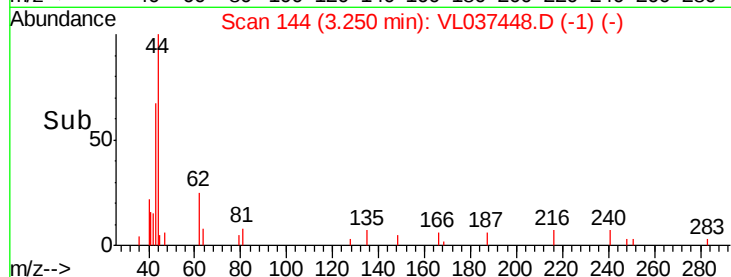
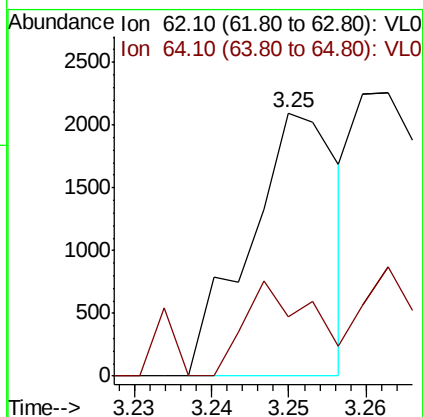
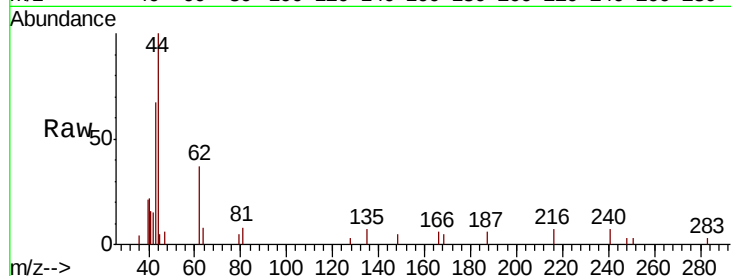
ClientSampled :

Tot Ion: 62 Resp: 1675

Ion Ratio Lower Upper

62 100

64 22.4 25.0 37.6#



#6

Bromomethane

Concen: 0.020 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037448.D

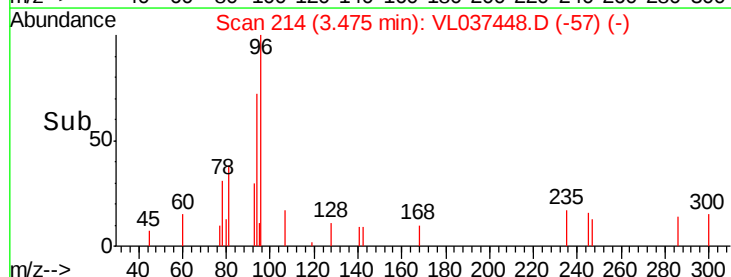
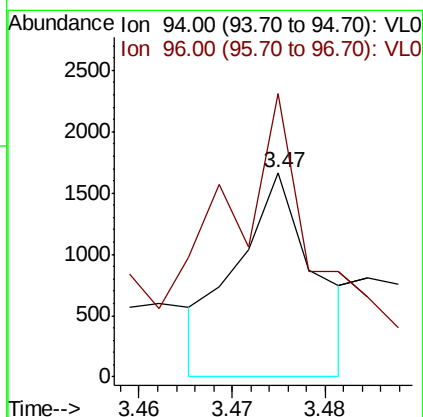
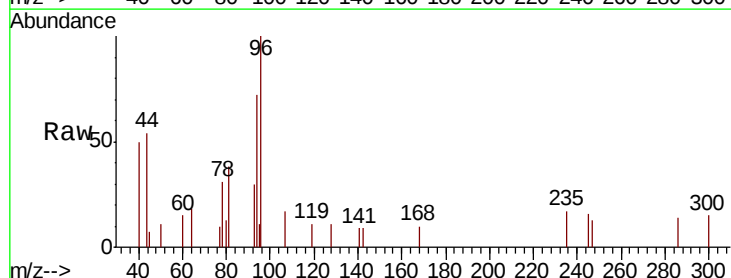
Acq: 13 Aug 2021 14:36

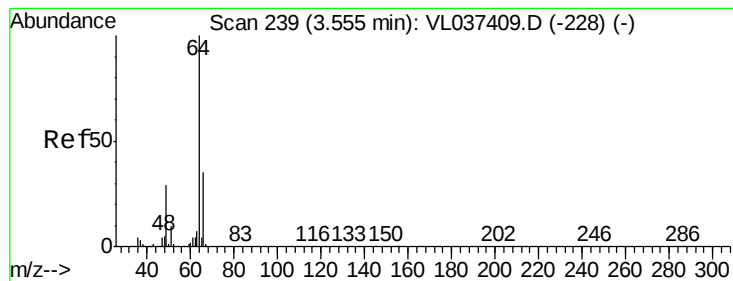
Tgt Ion: 94 Resp: 976

Ion Ratio Lower Upper

94 100

96 132.2 72.2 108.4#





#7

Chloroethane

Concen: 0.017 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :

MSVOA_L

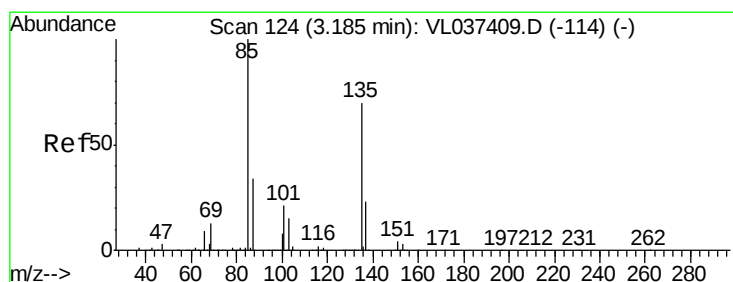
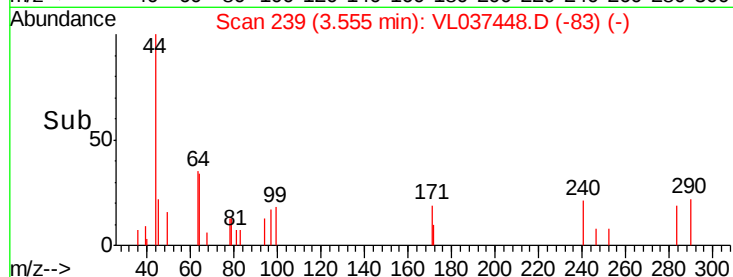
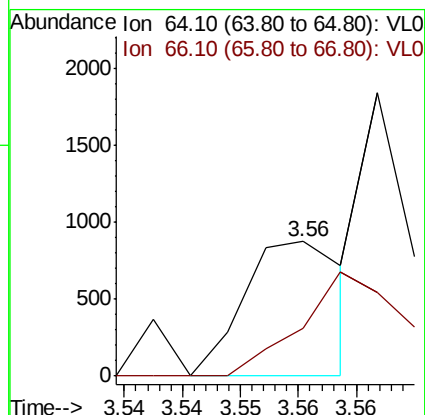
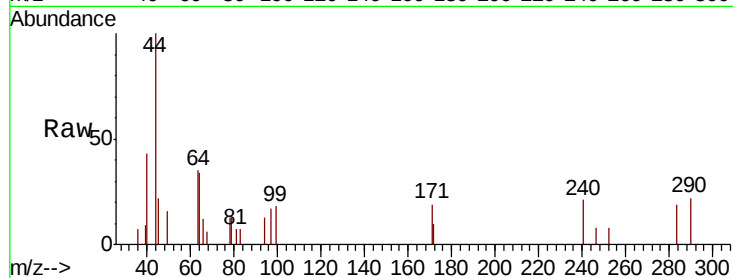
ClientSampled :

Tot Ion: 64 Resp: 523

Ion Ratio Lower Upper

64 100

66 35.7 27.8 41.8



#8

Dichlorotetrafluoroethane

Concen: 0.034 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL037448.D

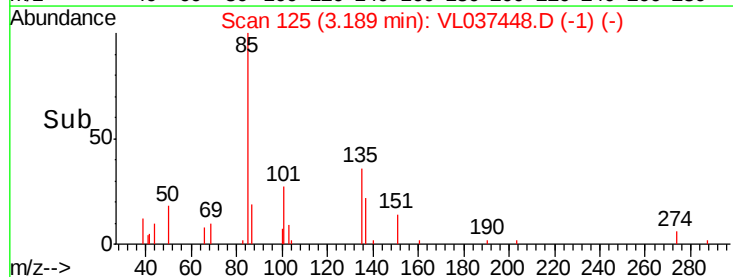
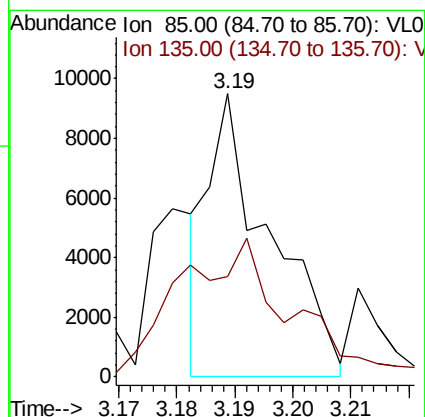
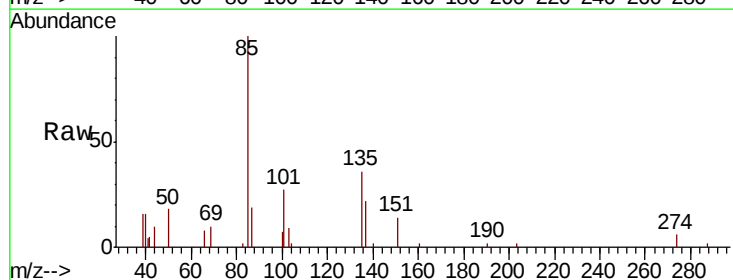
Acq: 13 Aug 2021 14:36

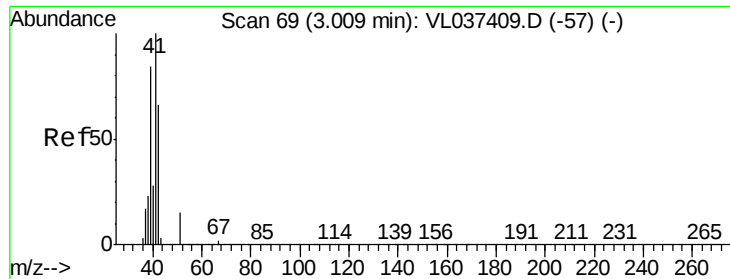
Tgt Ion: 85 Resp: 7003

Ion Ratio Lower Upper

85 100

135 96.4 58.6 88.0#





#9

Propene

Concen: 0.028 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :

MSVOA_L

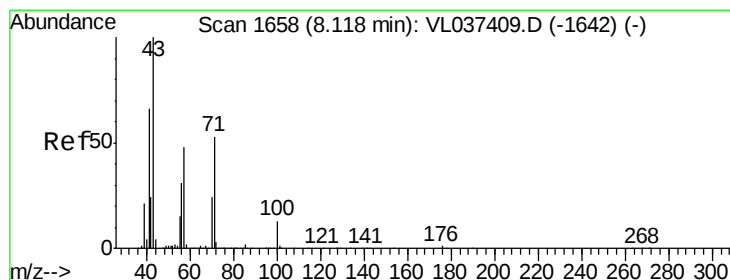
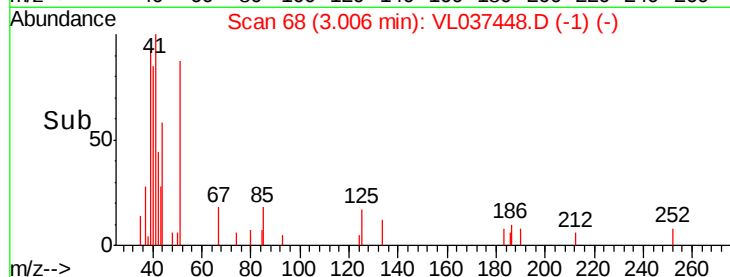
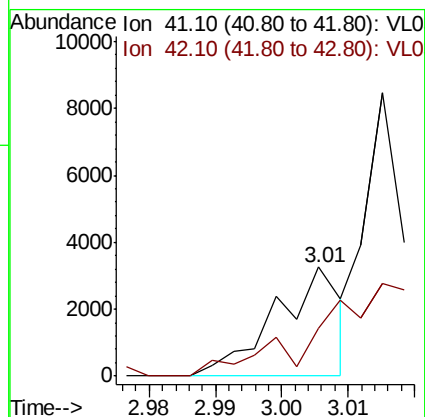
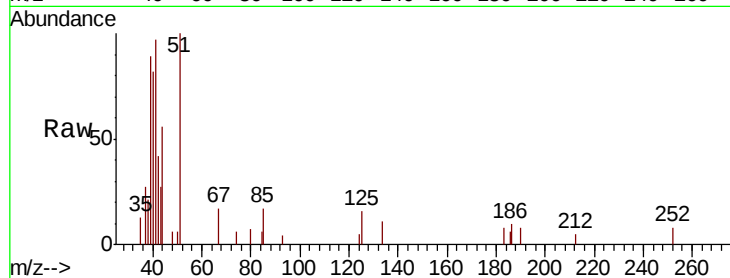
ClientSampleId :

Tot Ion: 41 Resp: 2216

Ion Ratio Lower Upper

41 100

42 0.0 53.8 80.8#



#10

Heptane

Concen: 0.008 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VL037448.D

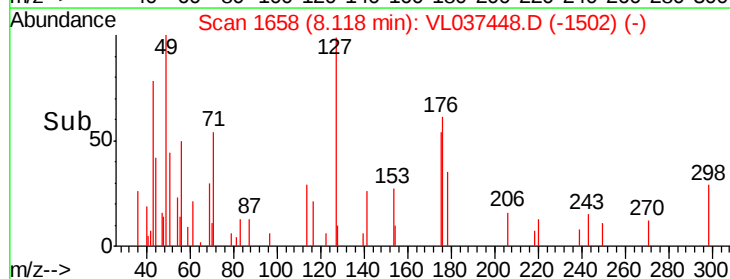
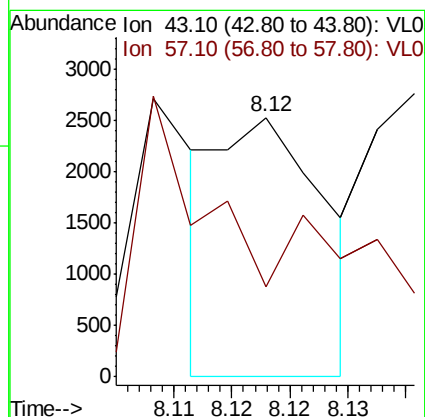
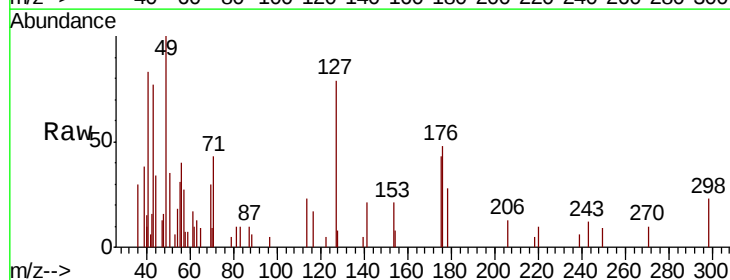
Acq: 13 Aug 2021 14:36

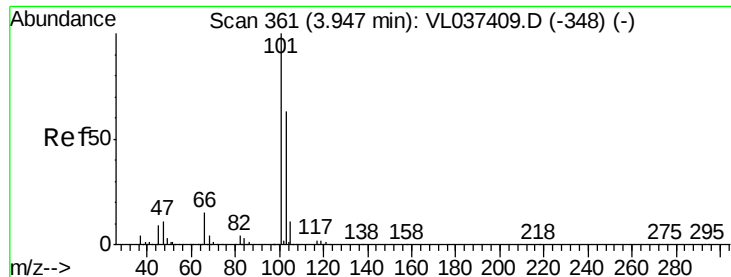
Tgt Ion: 43 Resp: 1598

Ion Ratio Lower Upper

43 100

57 0.0 40.3 60.5#





#11

Trichlorofluoromethane

Concen: 0.038 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :

MSVOA_L

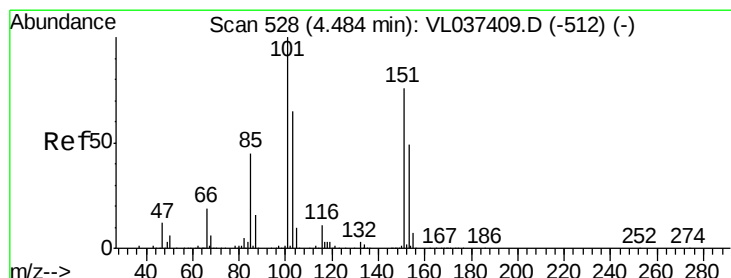
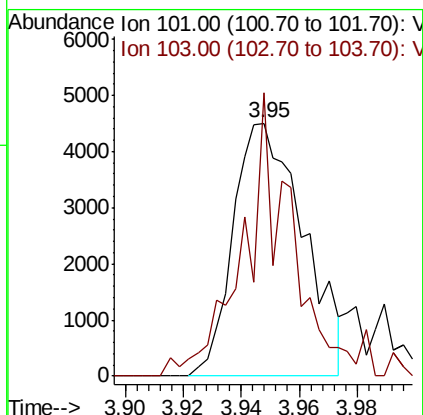
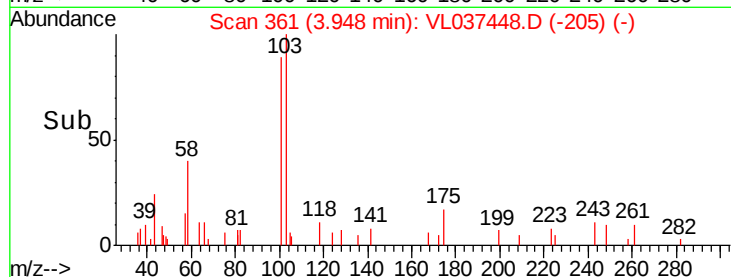
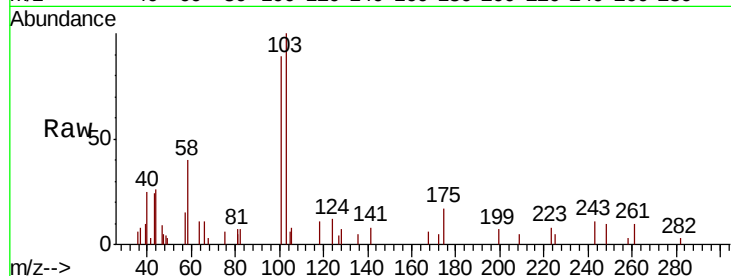
ClientSampleId :

Tot Ion:101 Resp: 7568

Ion Ratio Lower Upper

101 100

103 105.0 50.2 75.4#



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.033 ppbv

RT: 4.49 min Scan# 529

Delta R.T. 0.00 min

Lab File: VL037448.D

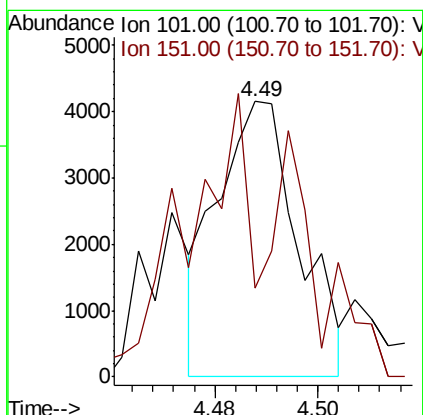
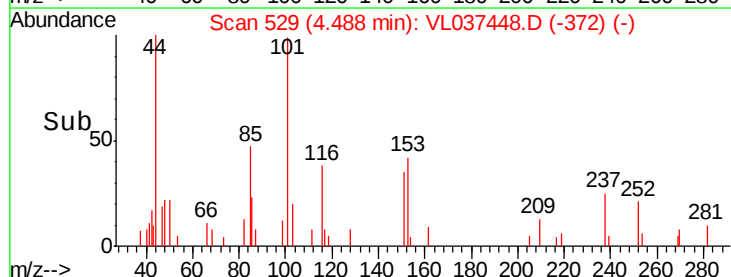
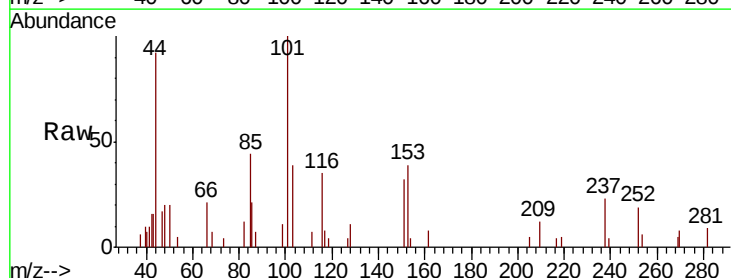
Acq: 13 Aug 2021 14:36

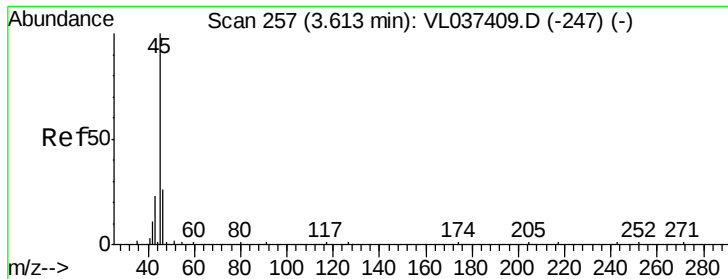
Tgt Ion:101 Resp: 4541

Ion Ratio Lower Upper

101 100

151 127.7 61.2 91.8#





#13

Ethanol

Concen: 0.076 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.01 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :

MSVOA_L

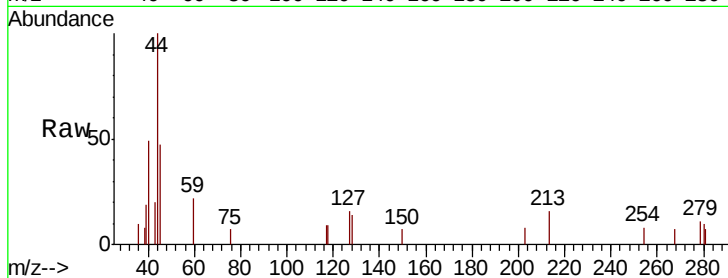
ClientSampled :

Tot Ion: 45 Resp: 642

Ion Ratio Lower Upper

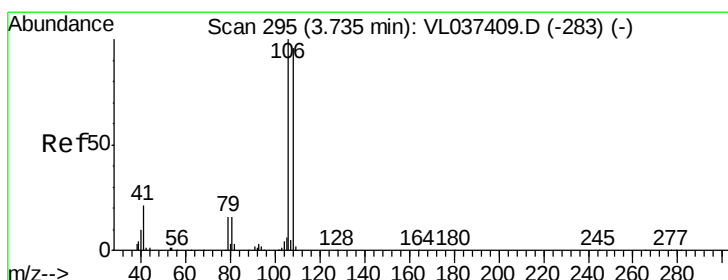
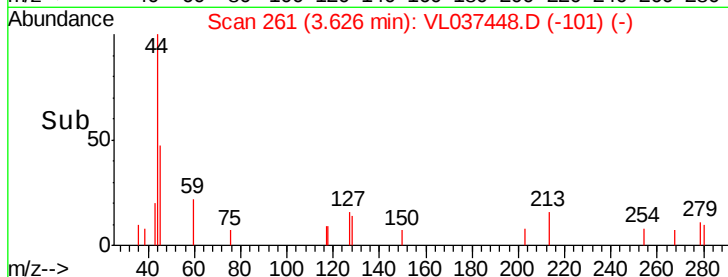
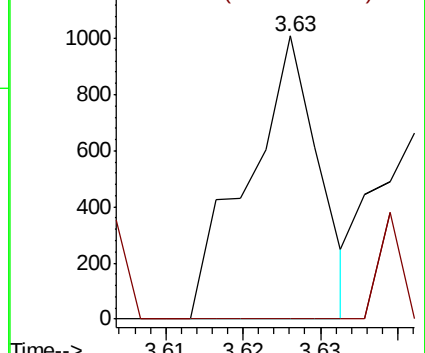
45 100

46 0.0 18.0 72.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 0.005 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.01 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

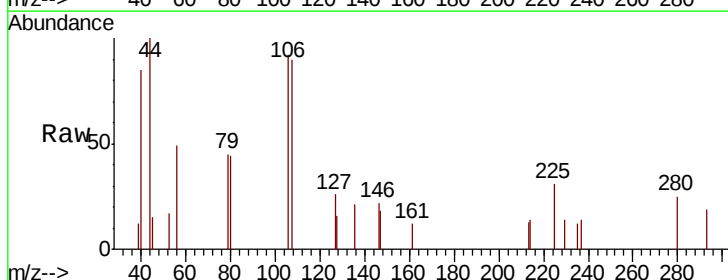
Tgt Ion: 108 Resp: 329

Ion Ratio Lower Upper

108 100

106 1029.5 87.5 131.3#

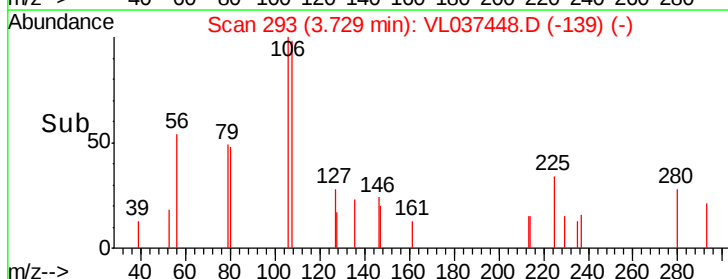
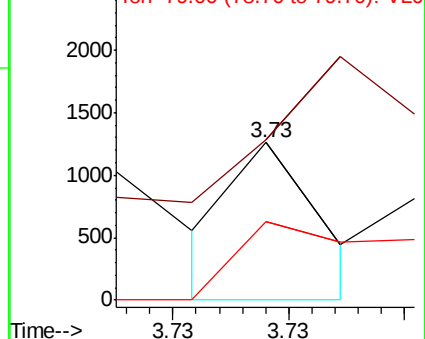
79 0.0 13.5 20.3#

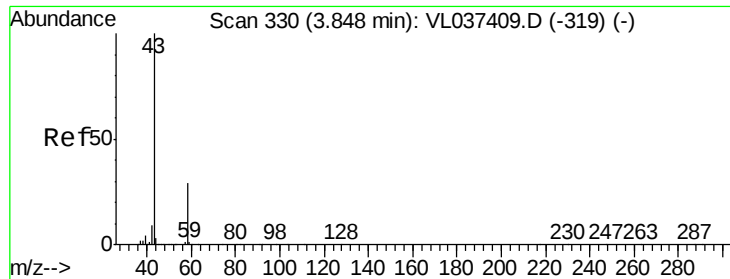


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

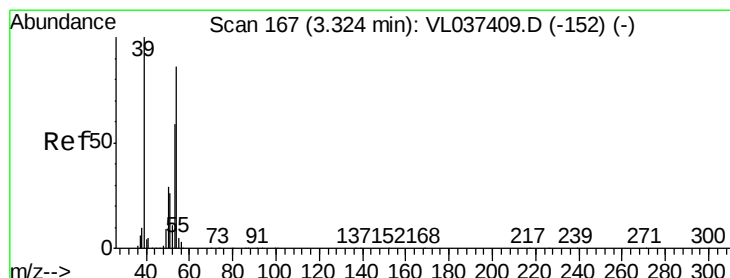
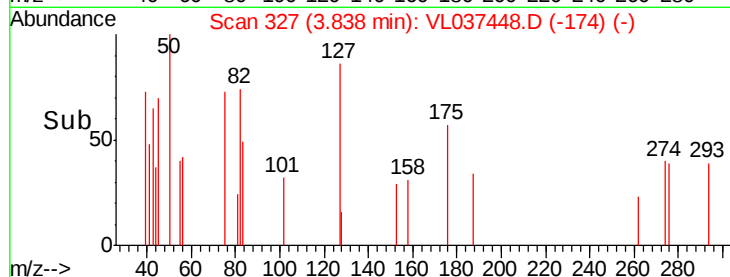
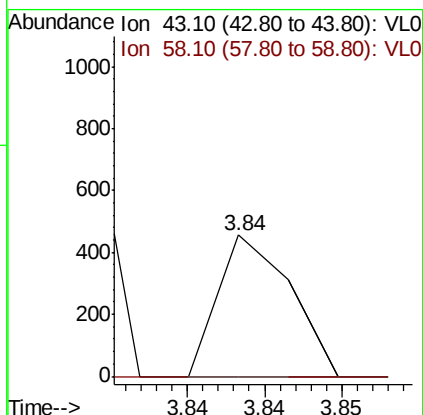
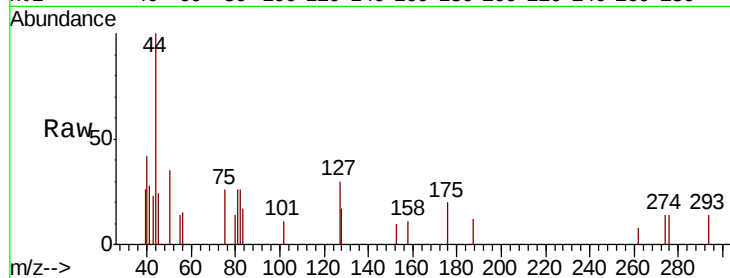




#15
Acetone
Concen: 0.001 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL037448.D
Acq: 13 Aug 2021 14:36

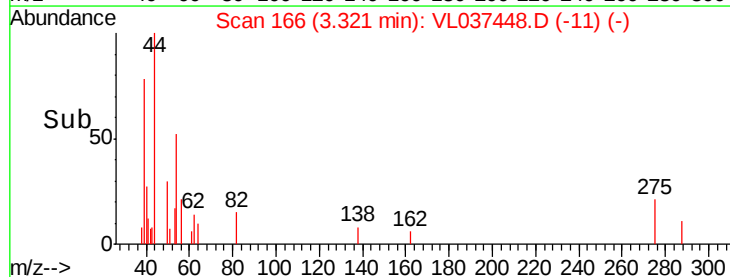
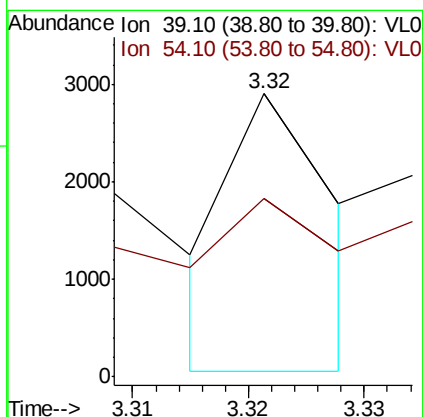
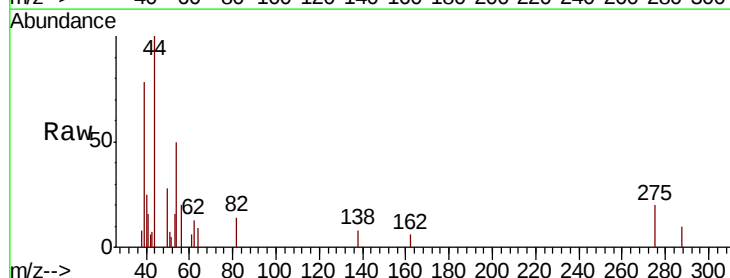
Instrument :
MSVOA_L
ClientSampled :

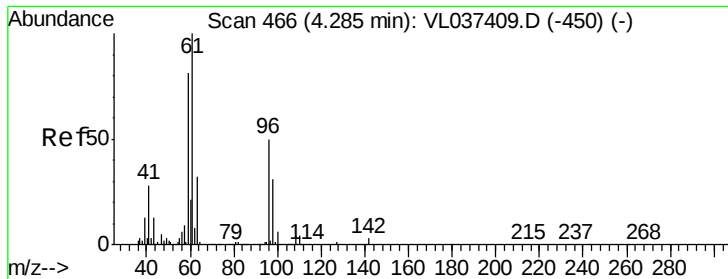
Tot Ion: 43 Resp: 148
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#16
1,3-Butadiene
Concen: 0.010 ppbv
RT: 3.32 min Scan# 166
Delta R.T. -0.00 min
Lab File: VL037448.D
Acq: 13 Aug 2021 14:36

Tgt Ion: 39 Resp: 881
Ion Ratio Lower Upper
39 100
54 396.4 61.4 92.0#



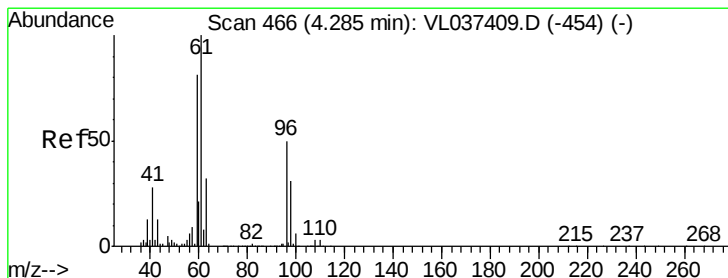
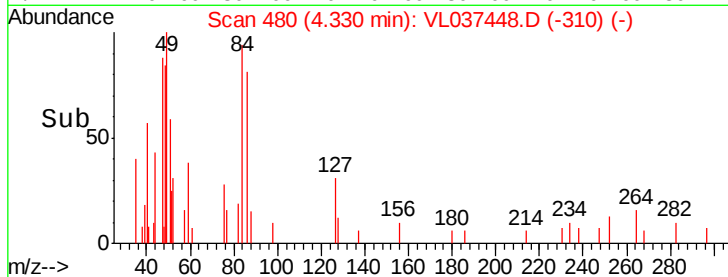
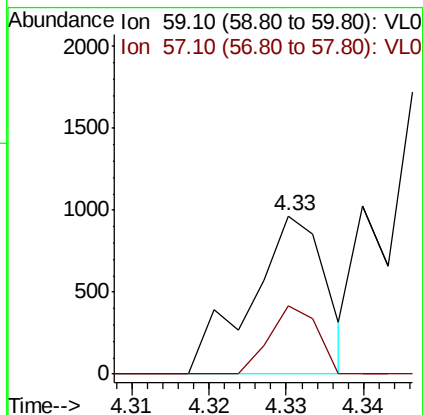
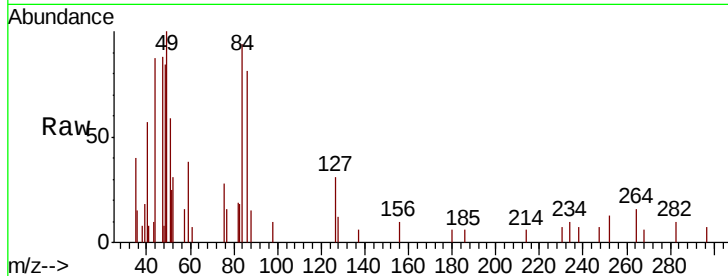


#17

tert-Butyl alcohol
Concen: 0.005 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.05 min
Lab File: VL037448.D
Acq: 13 Aug 2021 14:36

Instrument :
MSVOA_L
ClientSampleId :

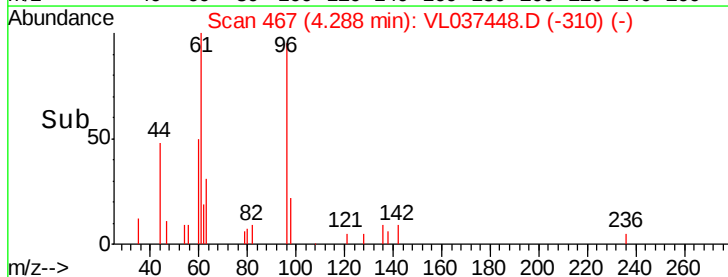
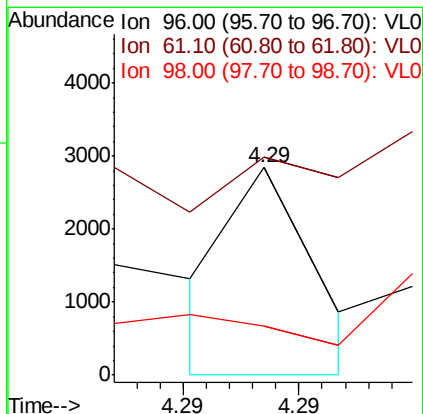
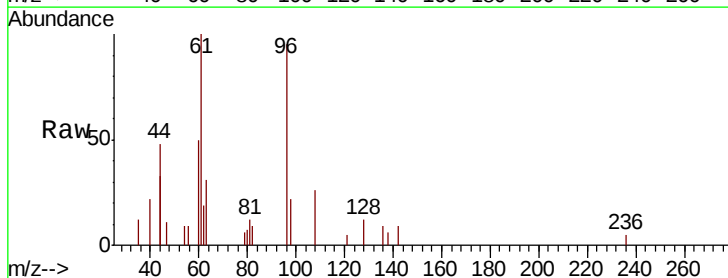
Tot Ion: 59 Resp: 651
Ion Ratio Lower Upper
59 100
57 41.2 8.5 12.7#

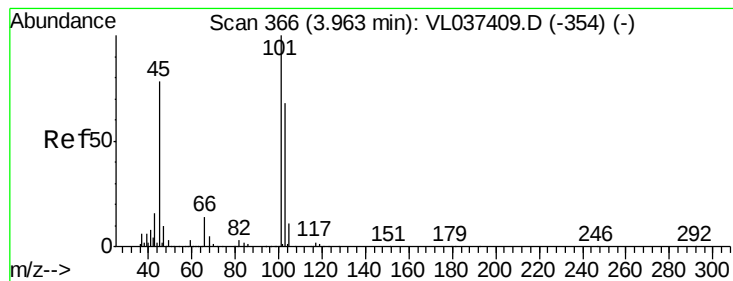


#18

1,1-Dichloroethene
Concen: 0.011 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL037448.D
Acq: 13 Aug 2021 14:36

Tgt Ion: 96 Resp: 714
Ion Ratio Lower Upper
96 100
61 37.9 159.0 238.4#
98 13.0 49.4 74.2#





#19

Isopropyl Alcohol

Concen: 0.002 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.01 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :

MSVOA_L

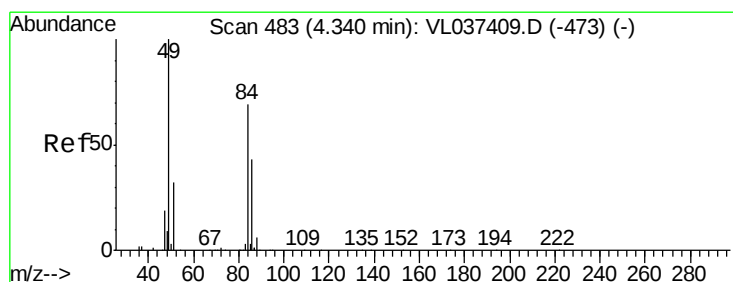
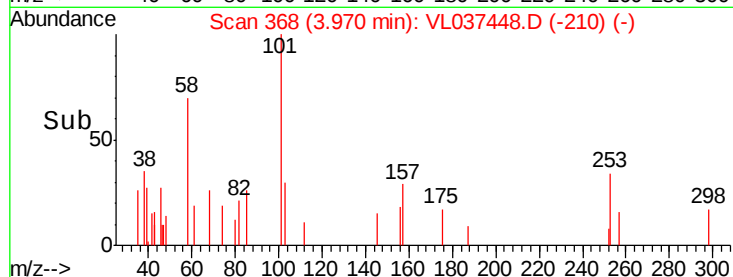
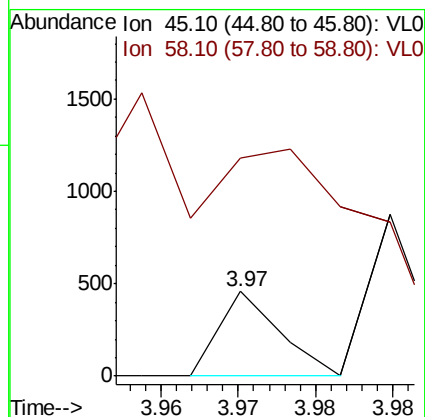
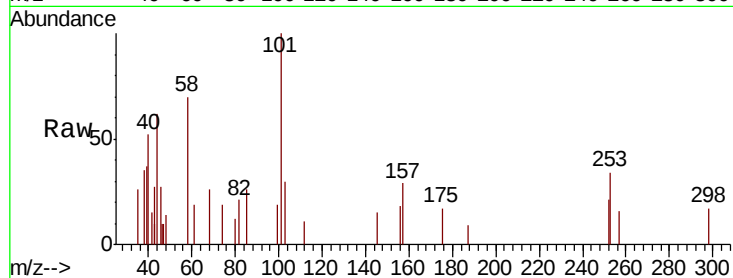
ClientSampleId :

Tot Ion: 45 Resp: 124

Ion Ratio Lower Upper

45 100

58 0.0 2.2 3.4#



#20

Methylene Chloride

Concen: 0.074 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Tgt Ion: 84 Resp: 4998

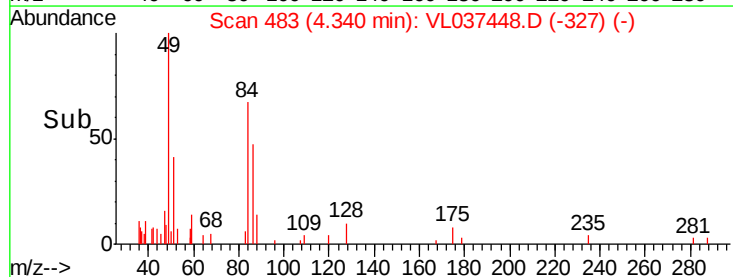
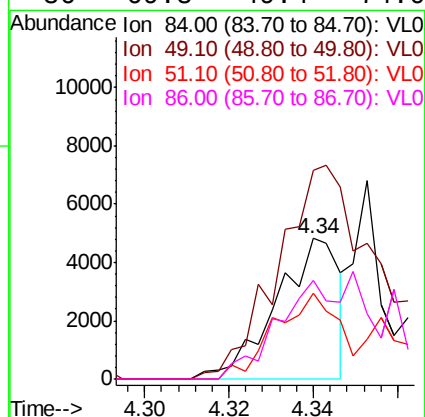
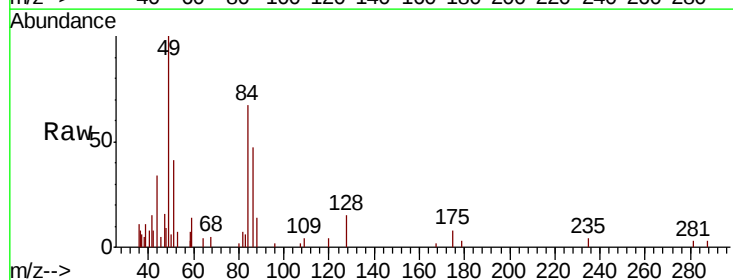
Ion Ratio Lower Upper

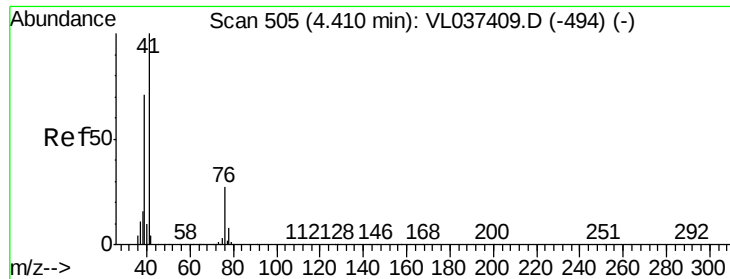
84 100

49 158.2 116.0 174.0

51 61.3 37.1 55.7#

86 69.8 49.4 74.0

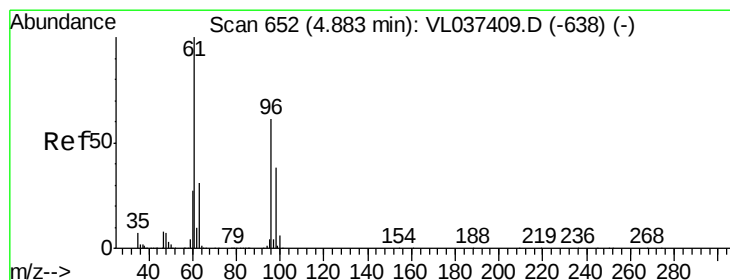
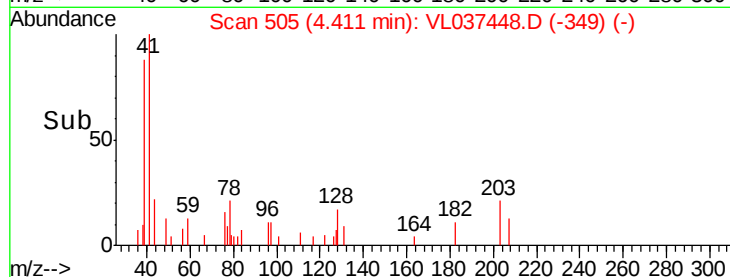
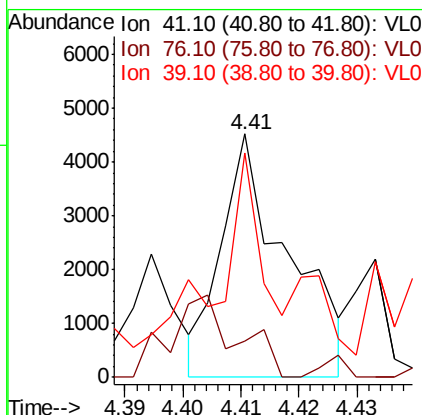
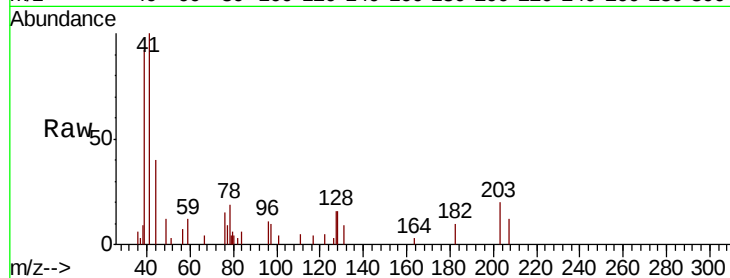




#21
Allvl Chloride
Concen: 0.036 ppbv
RT: 4.41 min Scan# 505
Delta R.T. 0.00 min
Lab File: VL037448.D
Acq: 13 Aug 2021 14:36

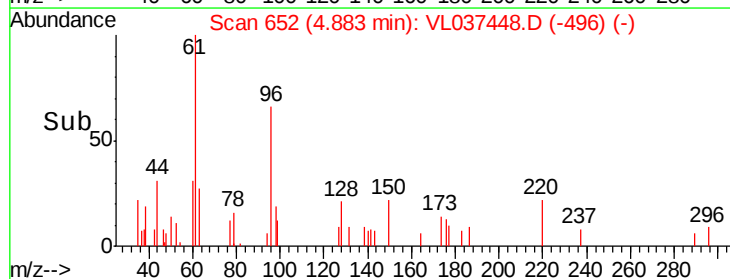
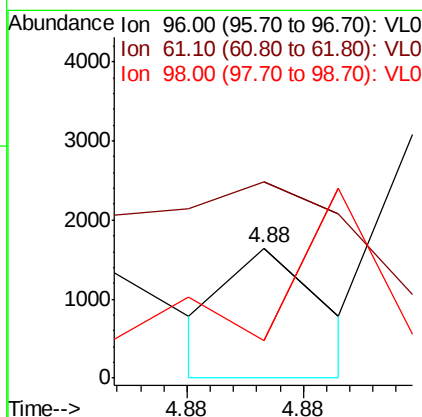
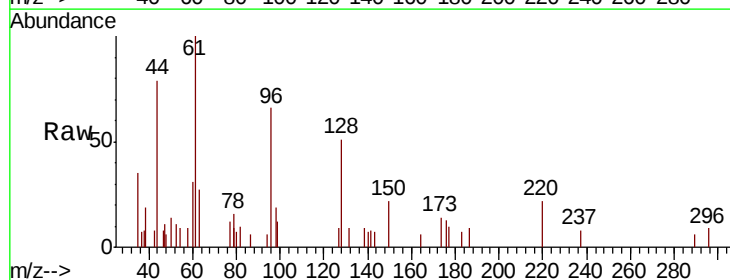
Instrument :
MSVOA_L
ClientSampleId :

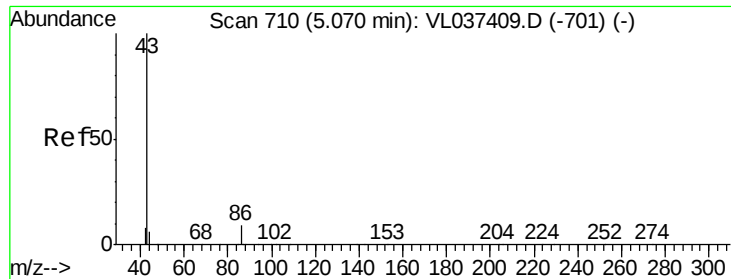
Tot Ion: 41 Resp: 3607
Ion Ratio Lower Upper
41 100
76 36.9 23.7 35.5#
39 158.2 62.3 93.5#



#22
trans-1,2-Dichloroethene
Concen: 0.008 ppbv
RT: 4.88 min Scan# 652
Delta R.T. 0.00 min
Lab File: VL037448.D
Acq: 13 Aug 2021 14:36

Tgt Ion: 96 Resp: 468
Ion Ratio Lower Upper
96 100
61 47.1 131.0 196.4#
98 0.0 50.2 75.4#

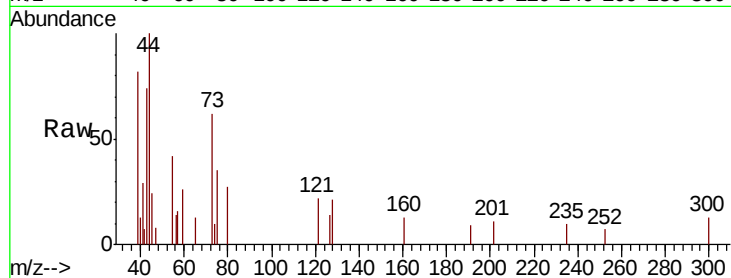




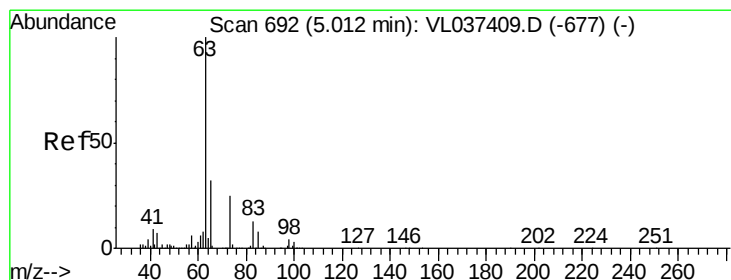
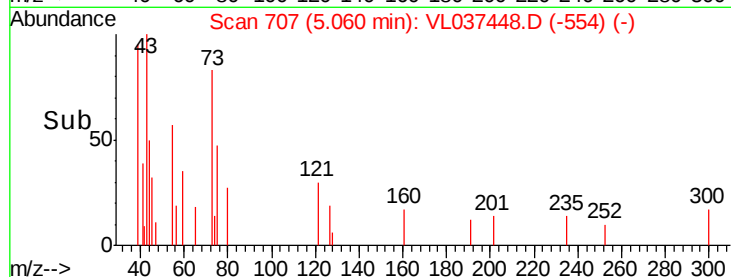
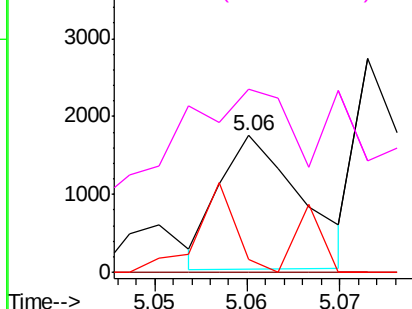
#23
 Vinyl Acetate
 Concen: 0.005 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:	43	Resp:	1063
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.8	8.8#
42	11.0	7.7	11.5
44	15.6	4.0	6.0#

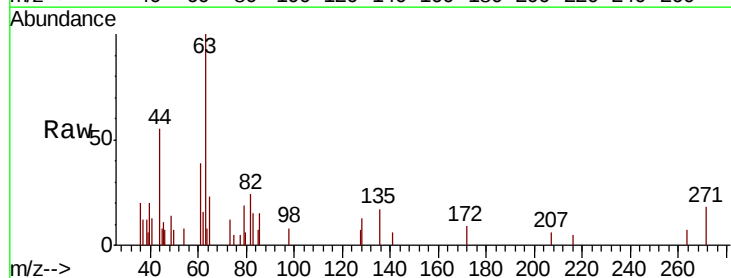


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

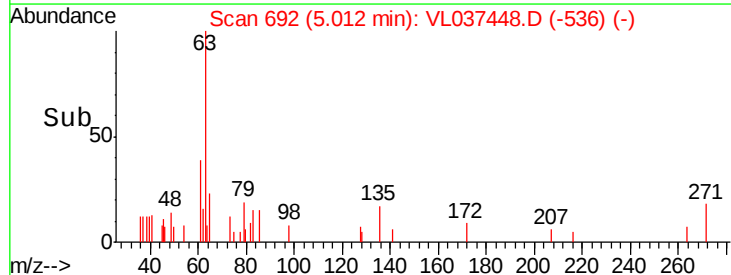
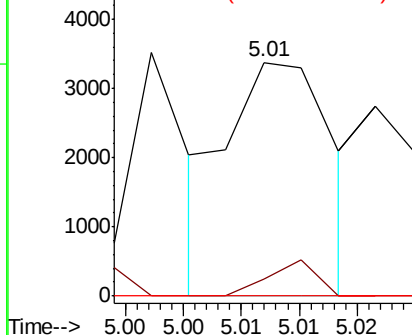


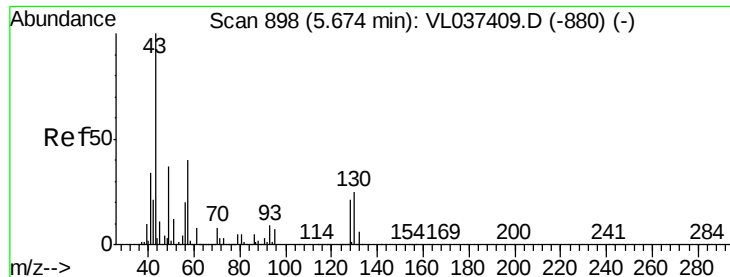
#24
 1,1-Dichloroethane
 Concen: 0.014 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

Tgt Ion:	63	Resp:	2100
Ion	Ratio	Lower	Upper
63	100		
98	18.6	2.1	6.3#
100	0.0	1.6	4.7#



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





#25

Ethyl Acetate

Concen: 0.021 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.02 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 6278

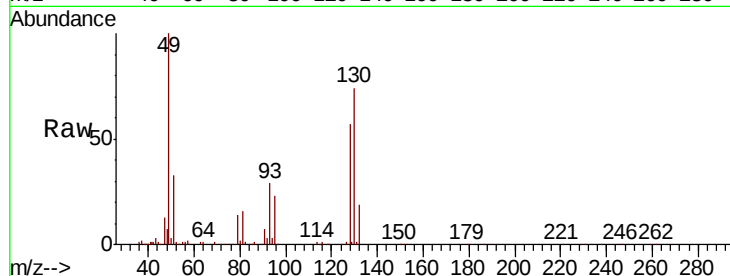
Ion Ratio Lower Upper

43 100

45 6.1 7.9 11.9#

61 0.0 7.7 11.5#

70 0.0 5.8 8.6#

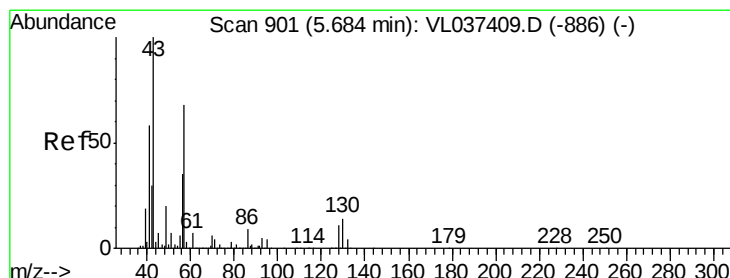
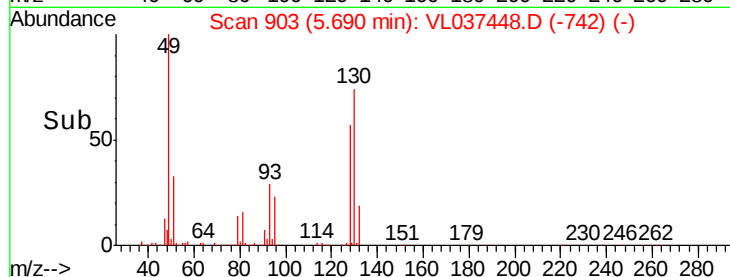
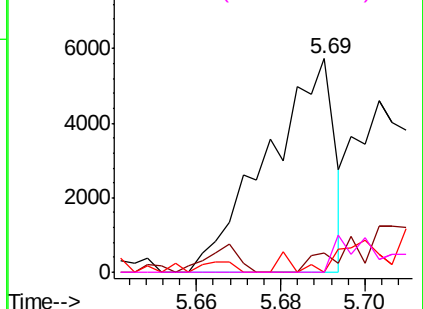


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.026 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Tgt Ion: 57 Resp: 4087

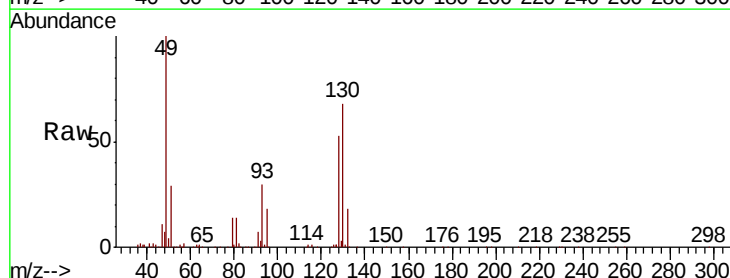
Ion Ratio Lower Upper

57 100

41 211.2 72.5 108.7#

43 368.5 169.3 253.9#

56 0.0 42.3 63.5#

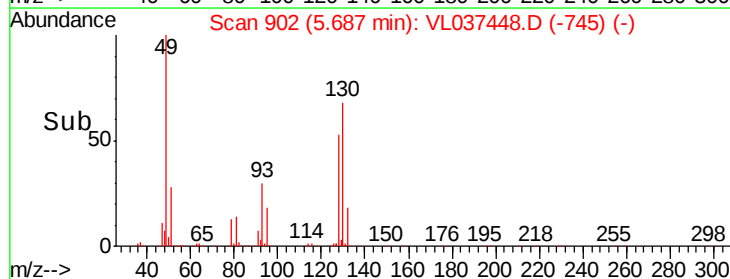
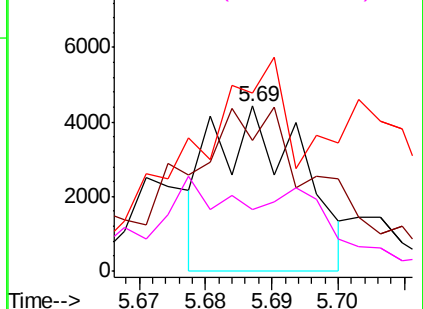


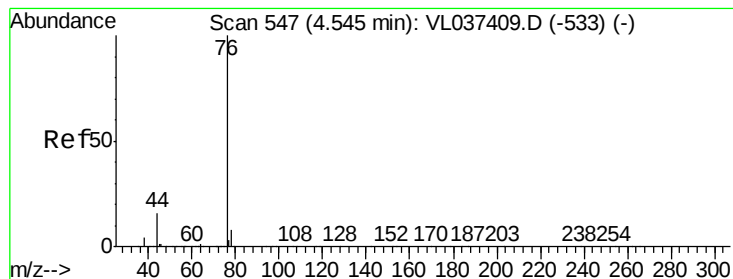
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.013 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.00 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :

MSVOA_L

ClientSampleId :

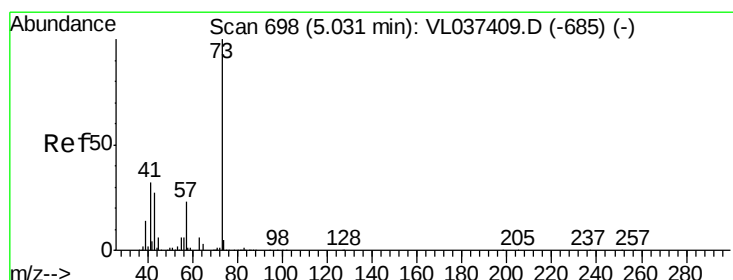
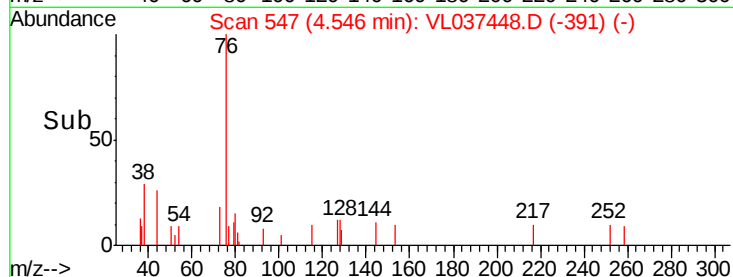
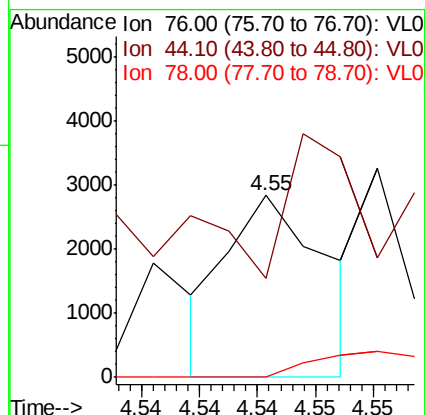
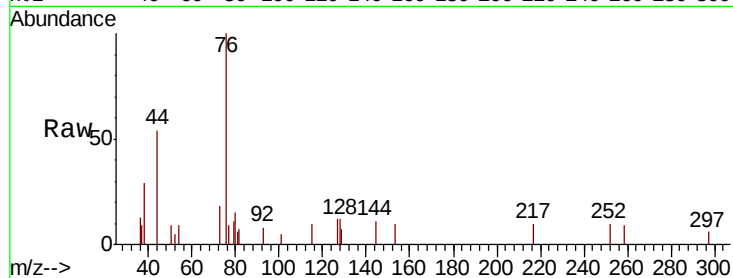
Tot Ion: 76 Resp: 1676

Ion Ratio Lower Upper

76 100

44 0.0 14.4 21.6#

78 0.0 8.0 12.0#



#28

Methyl tert-Butyl Ether

Concen: 0.012 ppbv

RT: 5.05 min Scan# 705

Delta R.T. 0.02 min

Lab File: VL037448.D

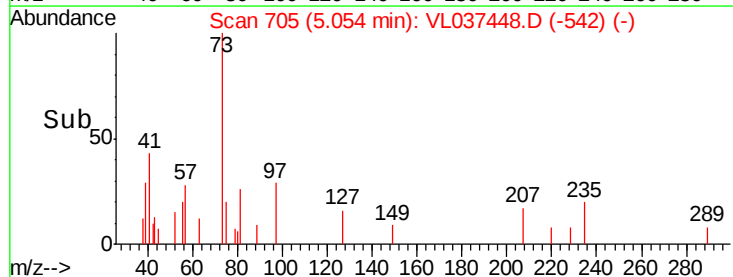
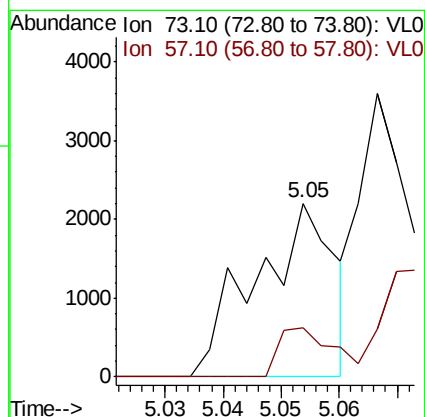
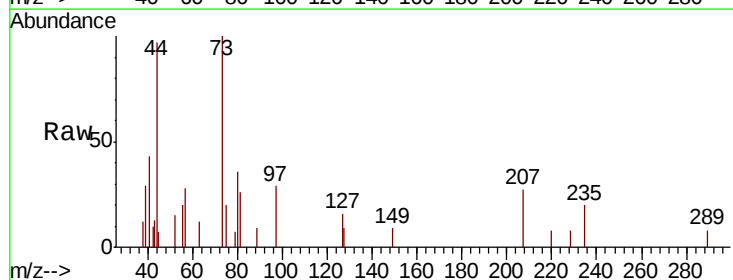
Acq: 13 Aug 2021 14:36

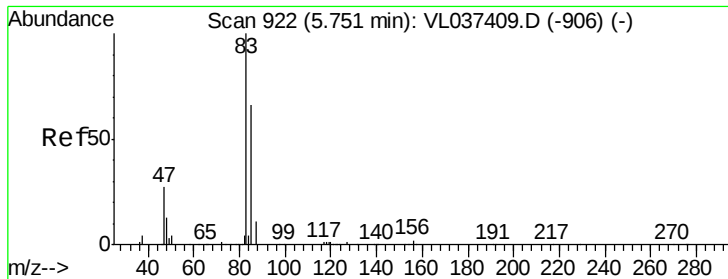
Tgt Ion: 73 Resp: 2071

Ion Ratio Lower Upper

73 100

57 0.0 19.0 28.4#





#29

Chloroform

Concen: 0.028 ppbv

RT: 5.75 min Scan# 921

Delta R.T. -0.00 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :

MSVOA_L

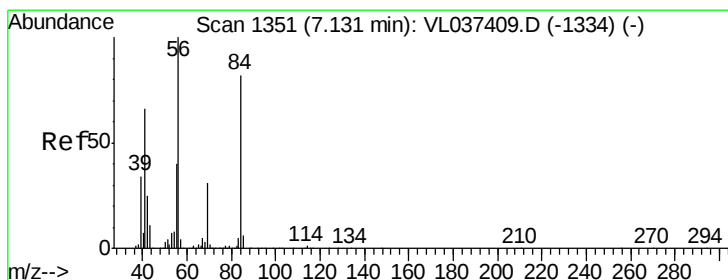
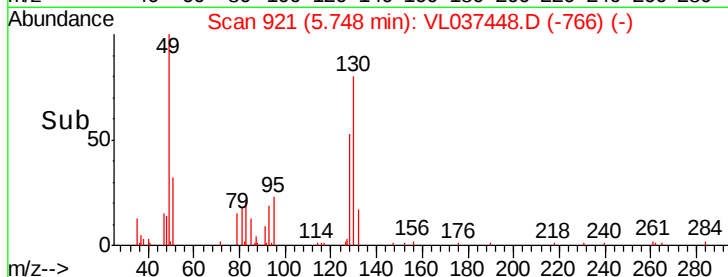
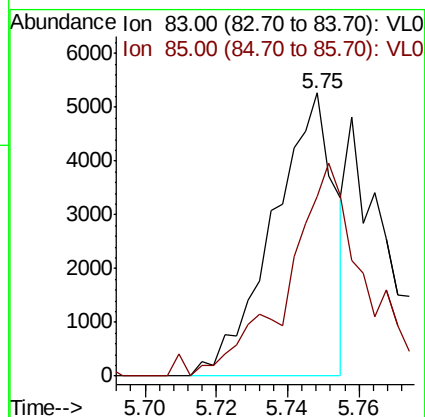
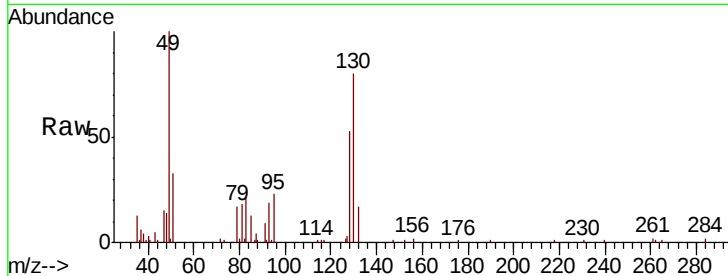
ClientSampleId :

Tot Ion: 83 Resp: 6272

Ion Ratio Lower Upper

83 100

85 63.6 52.4 78.6



#30

Cyclohexane

Concen: 0.022 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. -0.01 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

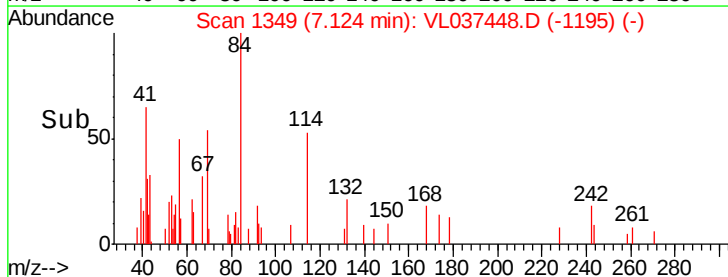
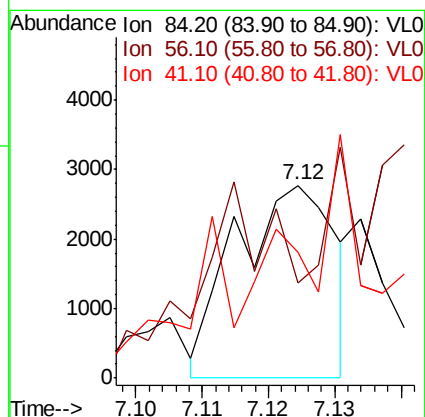
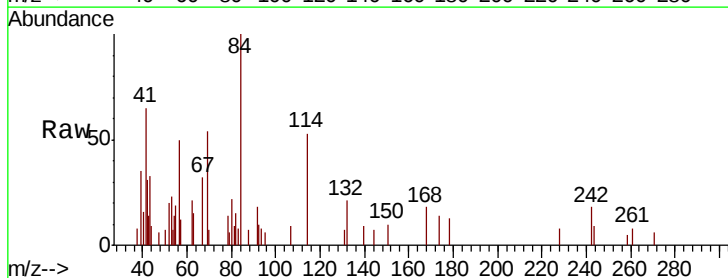
Tgt Ion: 84 Resp: 2878

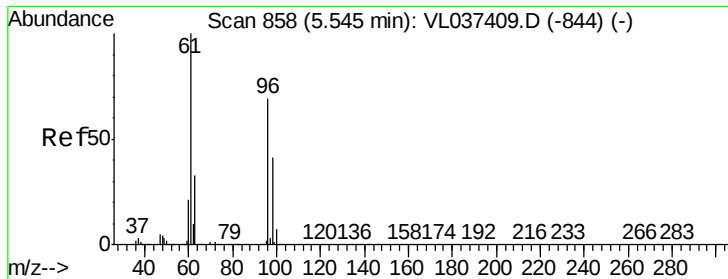
Ion Ratio Lower Upper

84 100

56 90.5 109.6 164.4#

41 150.3 66.6 99.8#



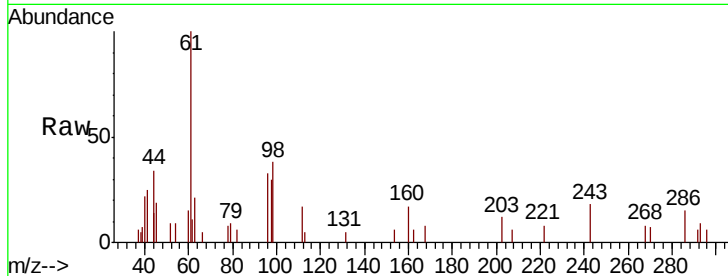


#31

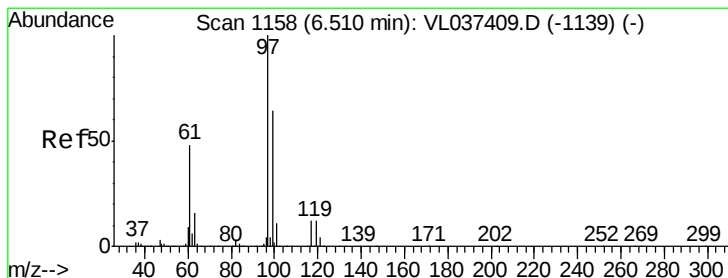
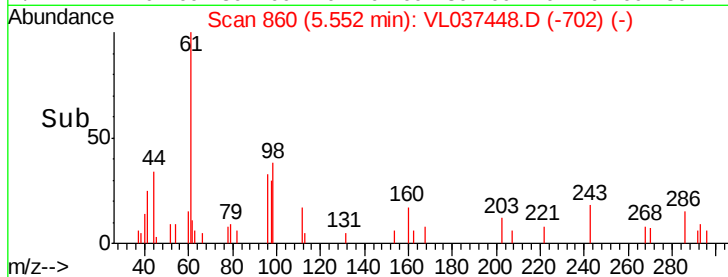
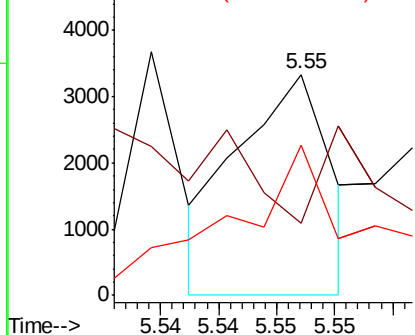
cis-1,2-Dichloroethene
 Concen: 0.014 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion	61	Resp	1862
Ion Ratio	Lower	Upper	
61	100		
96	0.0	55.5	83.3#
98	61.2	33.1	49.7#



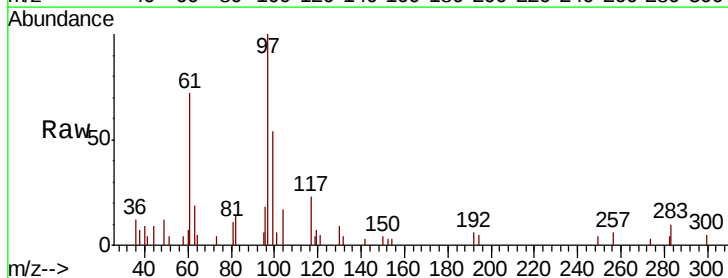
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



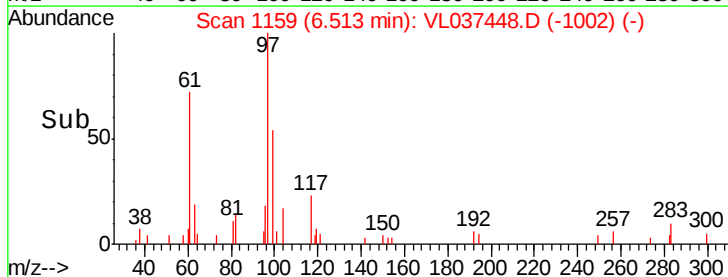
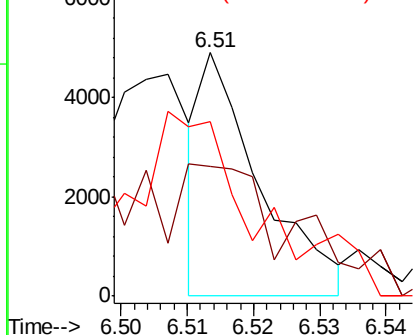
#32

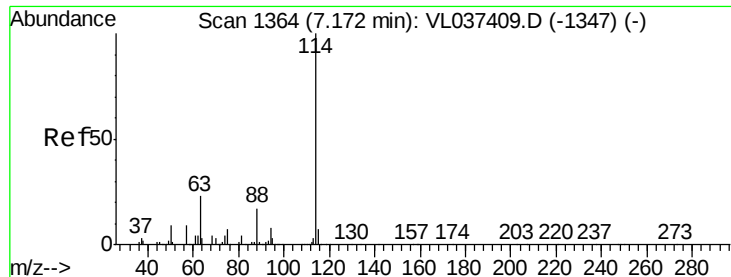
1,1,1-Trichloroethane
 Concen: 0.014 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. 0.00 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

Tgt Ion	97	Resp	3040
Ion Ratio	Lower	Upper	
97	100		
99	198.5	52.3	78.5#
61	0.0	40.1	60.1#



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0

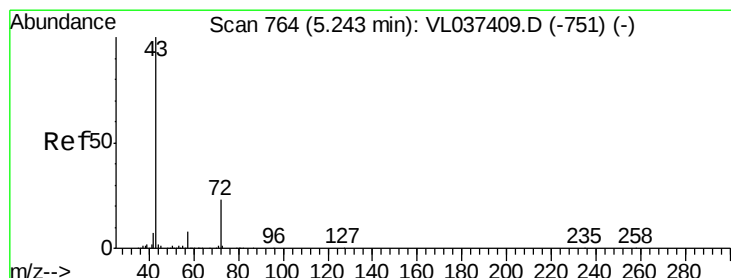
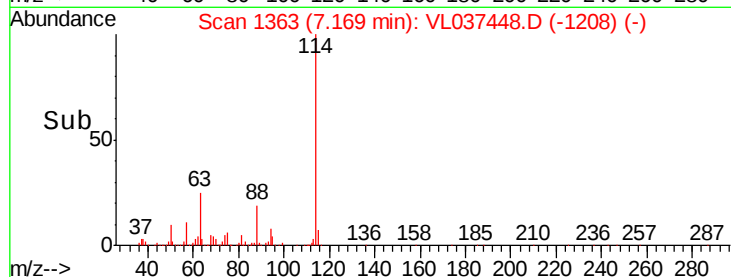
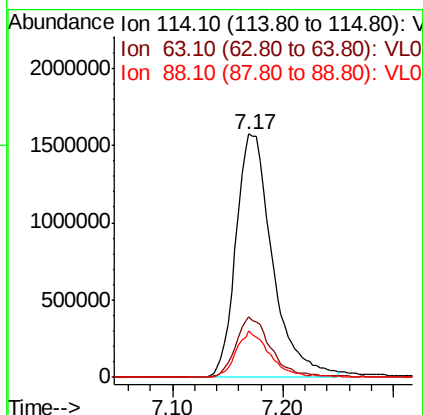
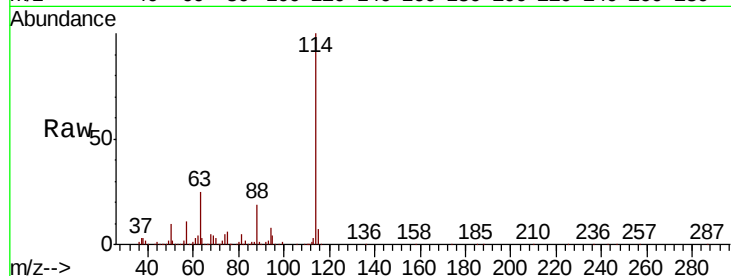




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

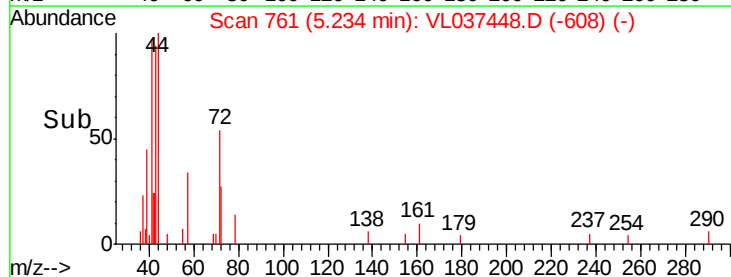
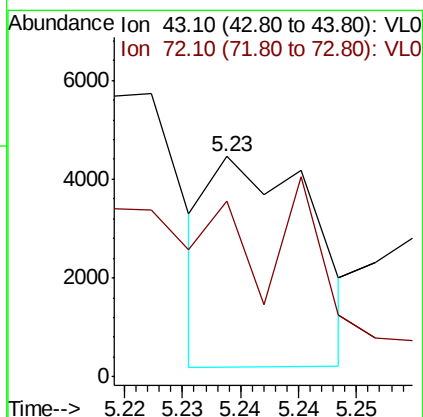
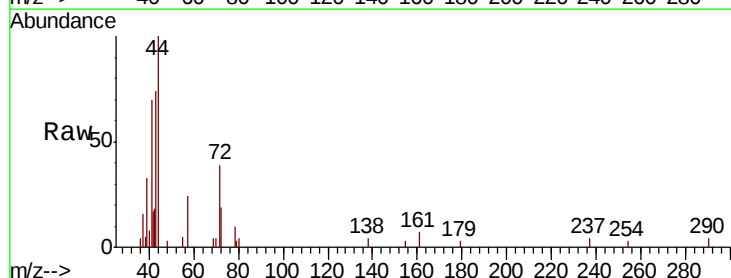
Instrument :
 MSVOA_L
 ClientSampleId :

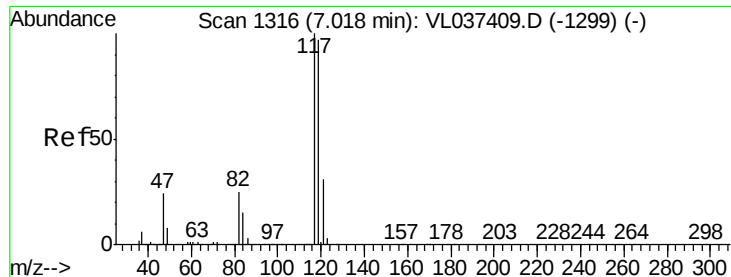
Tot Ion:114 Resp: 3618127
 Ion Ratio Lower Upper
 114 100
 63 24.3 19.4 29.2
 88 17.9 14.2 21.4



#34
 2-Butanone
 Concen: 0.017 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

Tgt Ion: 43 Resp: 2598
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.7 26.5#

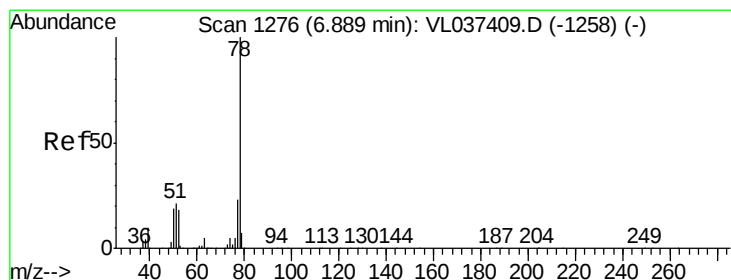
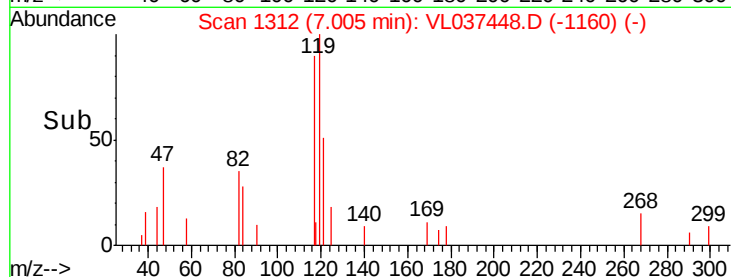
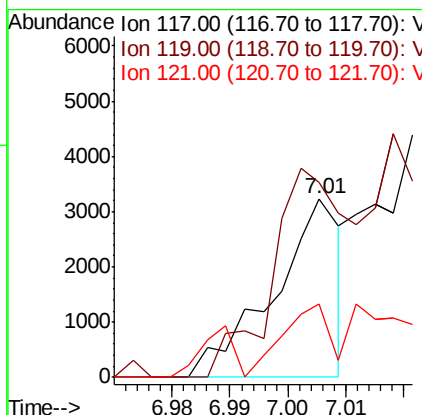
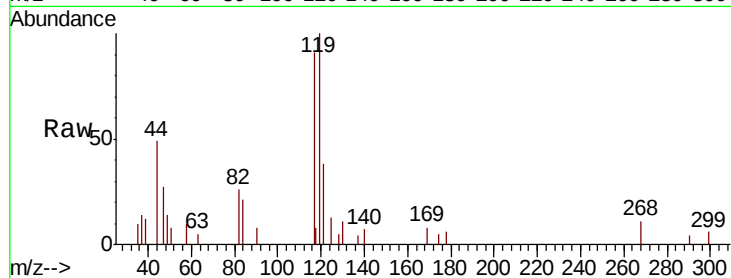




#35
Carbon Tetrachloride
Concen: 0.012 ppbv
RT: 7.01 min Scan# 1312
Delta R.T. -0.01 min
Lab File: VL037448.D
Acq: 13 Aug 2021 14:36

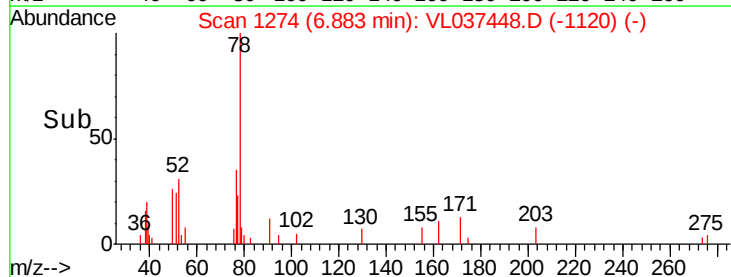
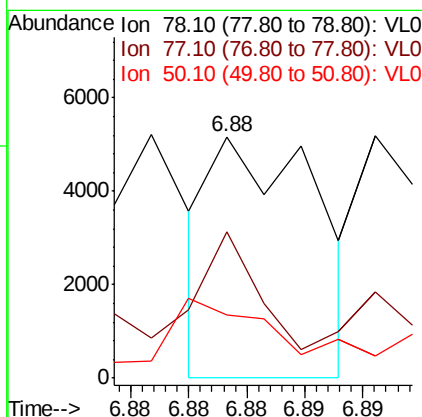
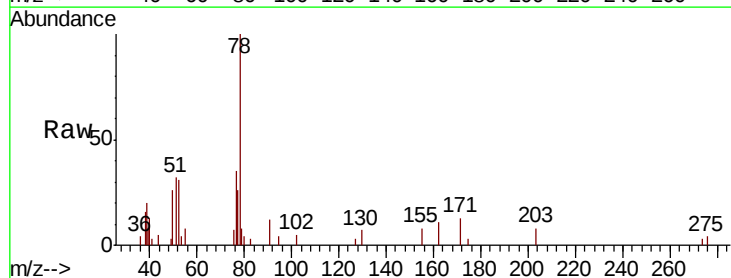
Instrument :
MSVOA_L
ClientSampled :

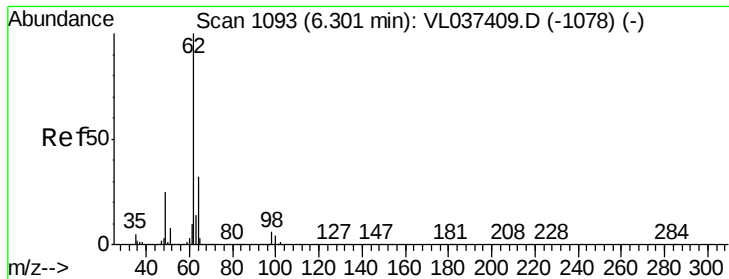
Tot Ion:117 Resp: 2607
Ion Ratio Lower Upper
117 100
119 109.6 77.5 116.3
121 34.8 24.7 37.1



#36
Benzene
Concen: 0.011 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL037448.D
Acq: 13 Aug 2021 14:36

Tgt Ion: 78 Resp: 3283
Ion Ratio Lower Upper
78 100
77 96.5 18.6 27.8#
50 24.2 14.9 22.3#

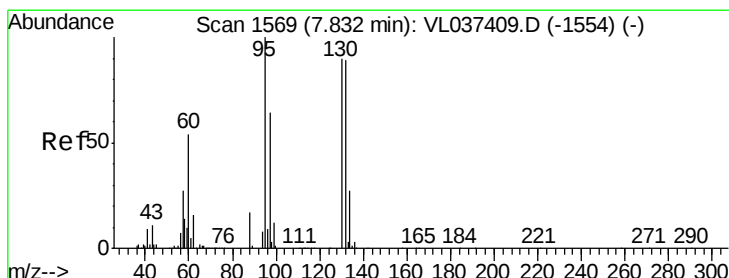
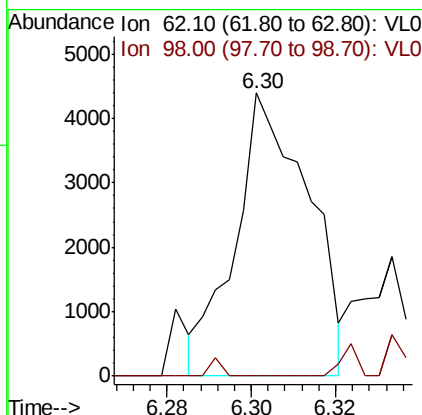
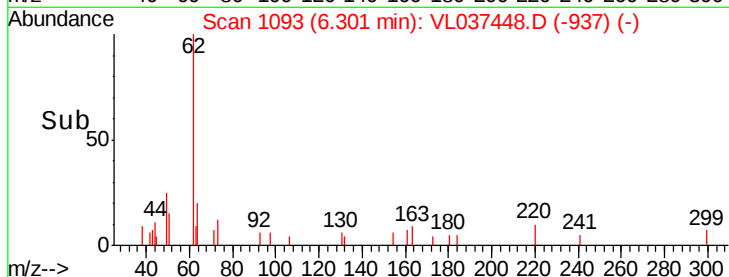
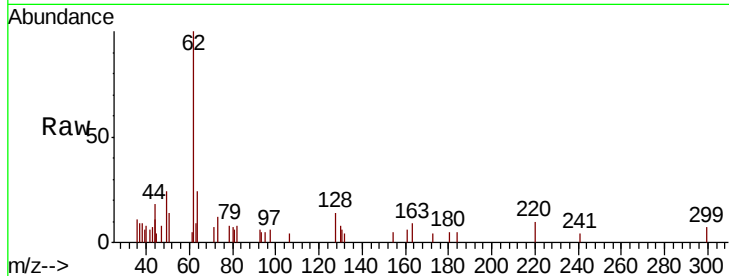




#37
 1,2-Dichloroethane
 Concen: 0.034 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

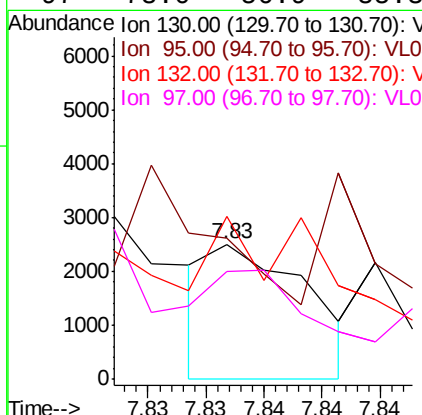
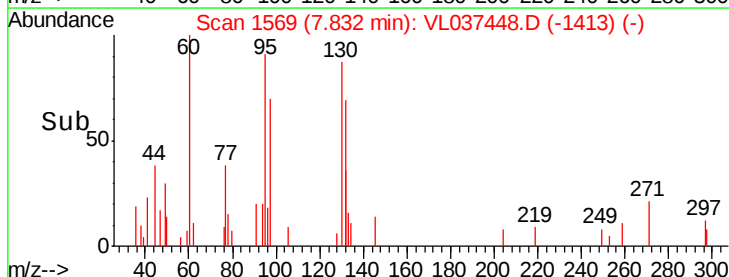
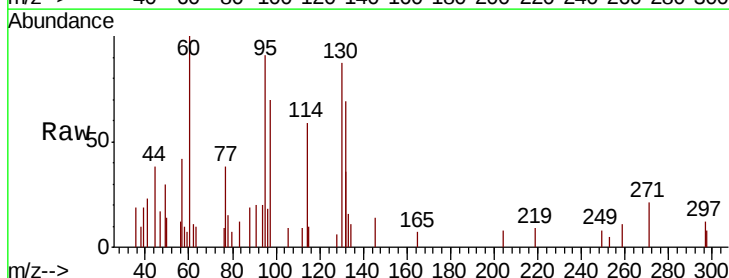
Instrument :
 MSVOA_L
 ClientSampleID :

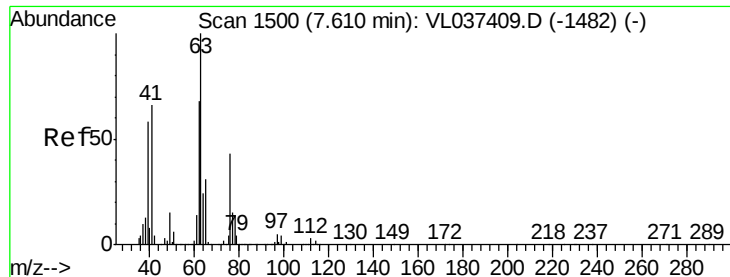
Tot Ion: 62 Resp: 5276
 Ion Ratio Lower Upper
 62 100
 98 1.1 5.4 8.2#



#38
 Trichloroethene
 Concen: 0.011 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

Tgt Ion: 130 Resp: 1451
 Ion Ratio Lower Upper
 130 100
 95 0.0 88.6 132.8#
 132 96.8 79.2 118.8
 97 78.0 56.9 85.3

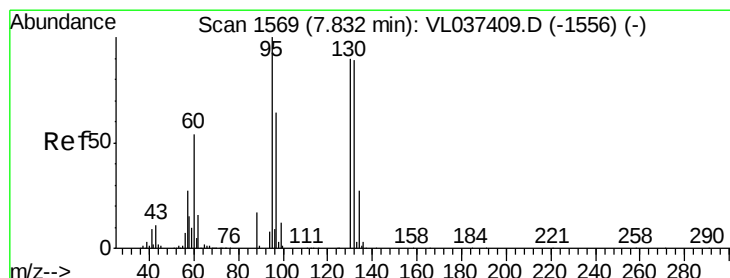
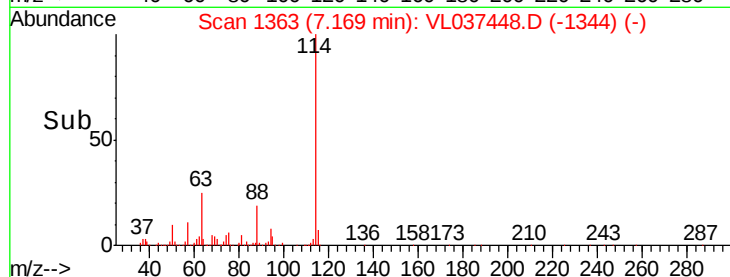
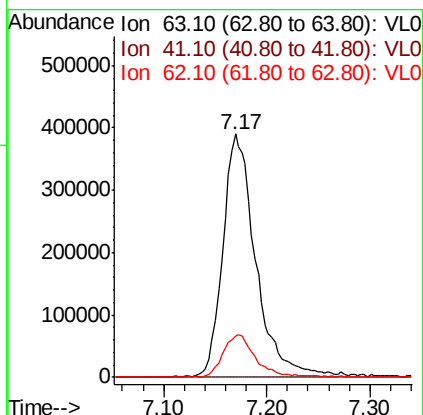
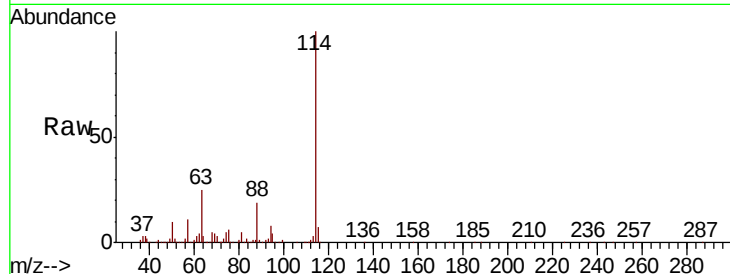




#39
 1,2-Dichloropropane
 Concen: 7.429 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.44 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

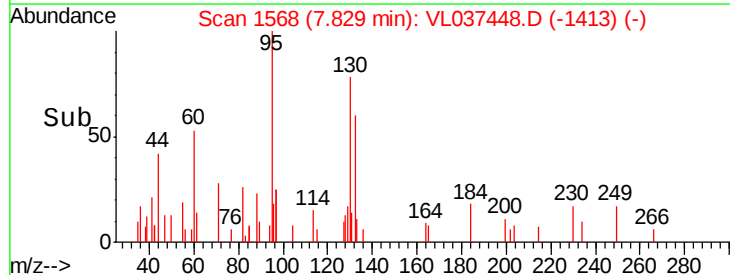
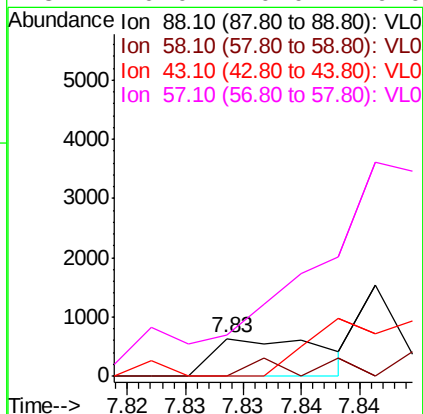
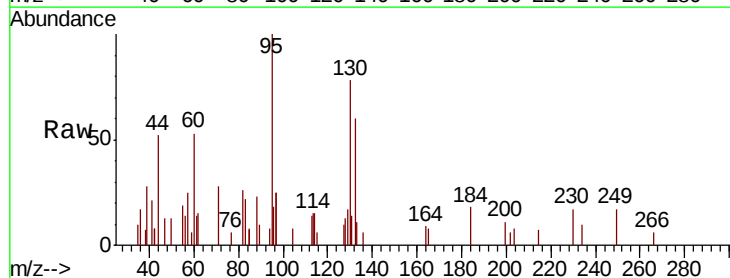
Instrument :
 MSVOA_L
 ClientSampleId :

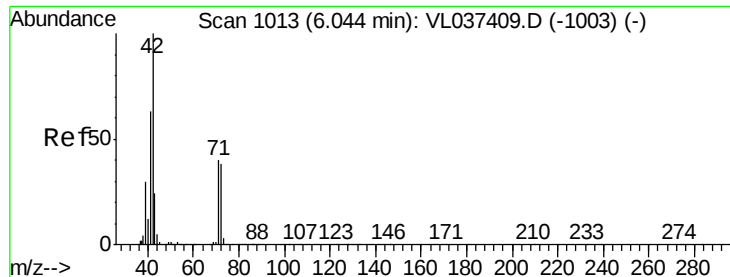
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.0	79.6#
62	16.8	54.5	81.7#



#40
 1,4-Dioxane
 Concen: 0.015 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

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: 0.001 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :

MSVOA_L

ClientSampled :

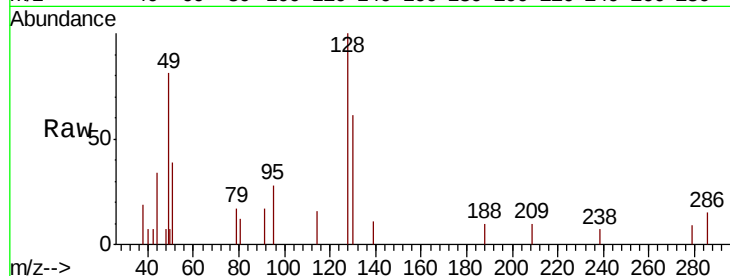
Tot Ion: 42 Resp: 64

Ion Ratio Lower Upper

42 100

72 0.0 33.5 50.3#

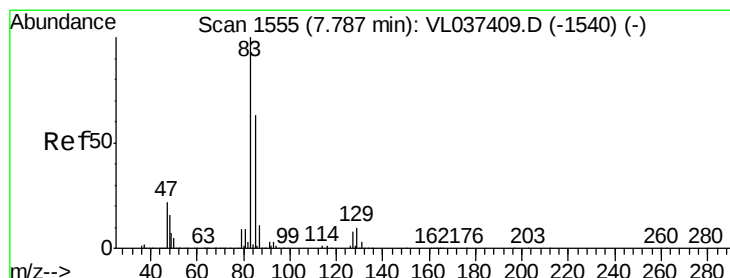
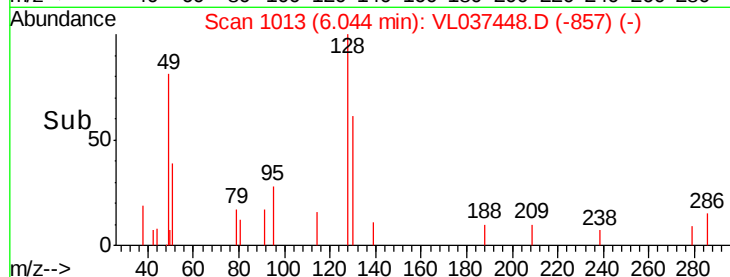
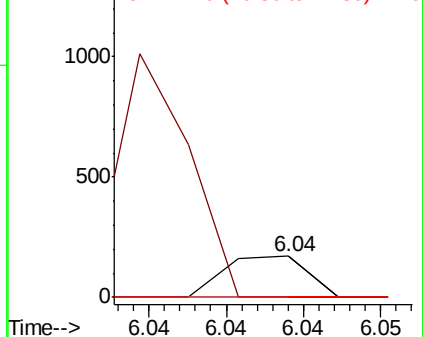
71 0.0 32.6 48.8#



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: 7.78 min Scan# 1553

Delta R.T. -0.01 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

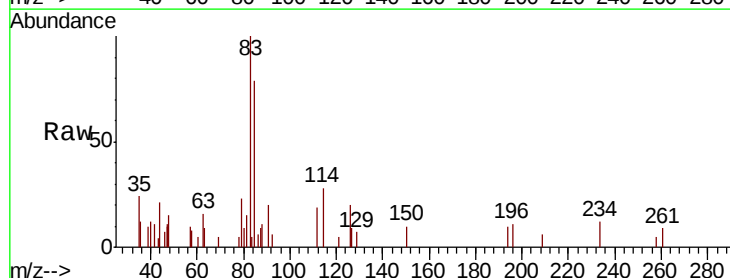
Tgt Ion: 83 Resp: 1554

Ion Ratio Lower Upper

83 100

85 120.3 50.2 75.2#

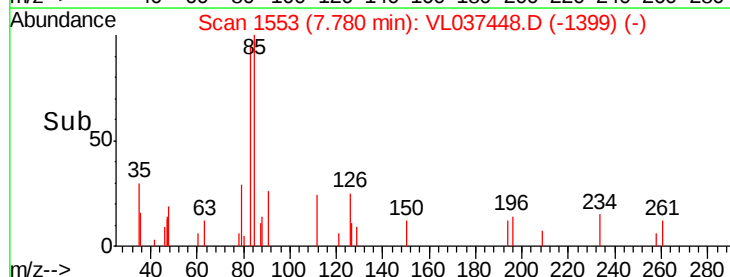
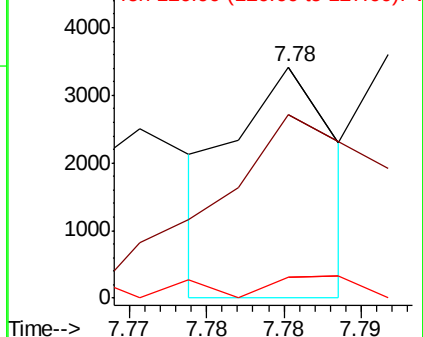
127 3.7 6.6 9.8#

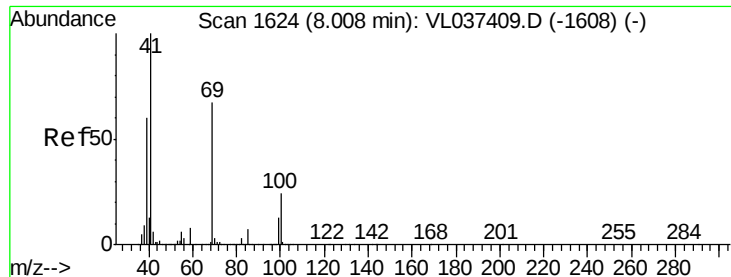


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 0.001 ppbv

RT: 7.99 min Scan# 1618

Delta R.T. -0.02 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :

MSVOA_L

ClientSampled :

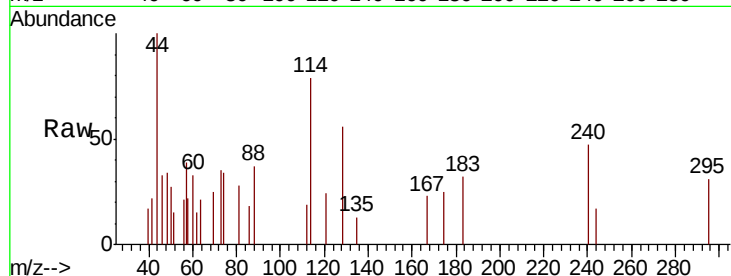
Tot Ion: 69 Resp: 58

Ion Ratio Lower Upper

69 100

41 0.0 118.1 177.1#

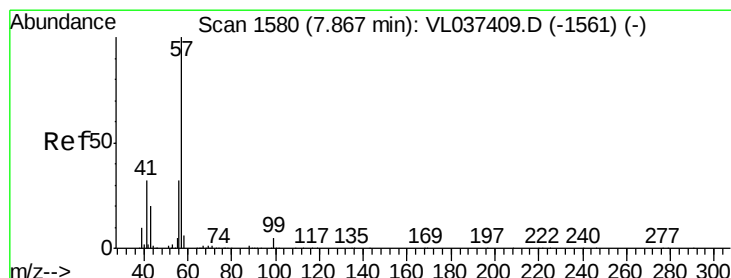
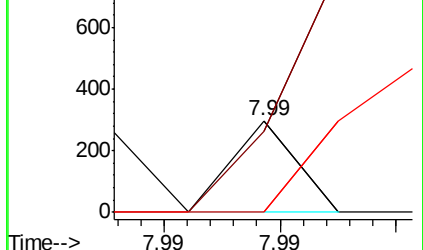
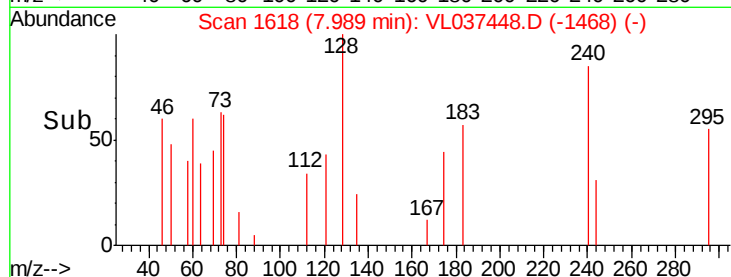
100 524.1 27.6 41.4#



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: 0.008 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. -0.01 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

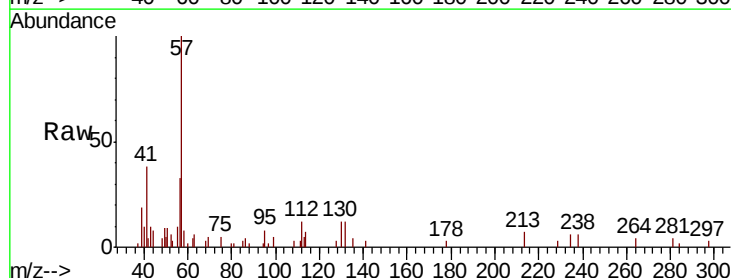
Tgt Ion: 57 Resp: 4161

Ion Ratio Lower Upper

57 100

41 258.1 26.4 39.6#

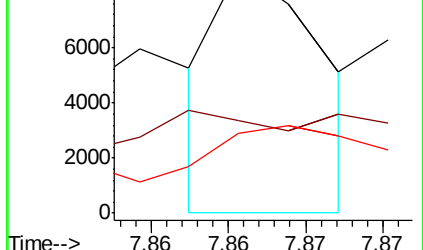
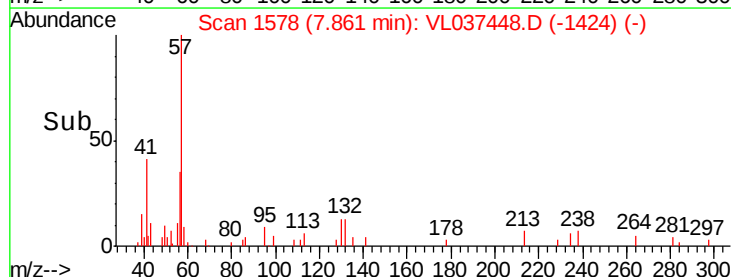
56 0.0 25.0 37.4#

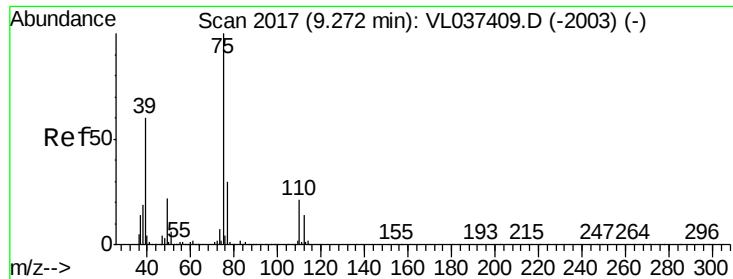


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

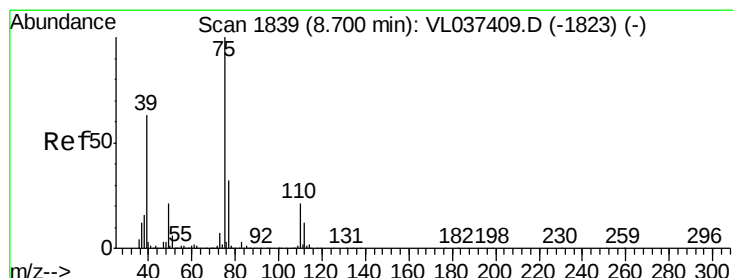
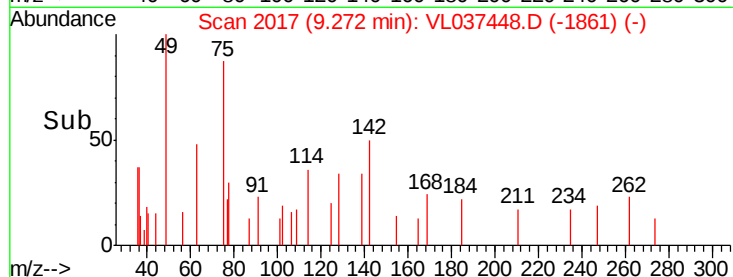
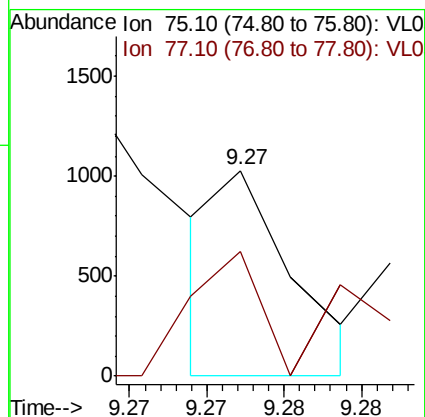
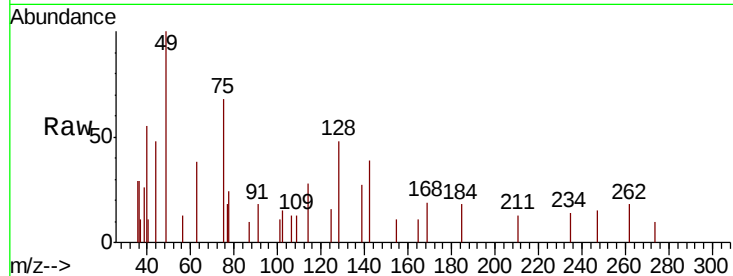




#45
t-1,3-Dichloropropene
Concen: 0.004 ppbv
RT: 9.27 min Scan# 2017
Delta R.T. 0.00 min
Lab File: VL037448.D
Acq: 13 Aug 2021 14:36

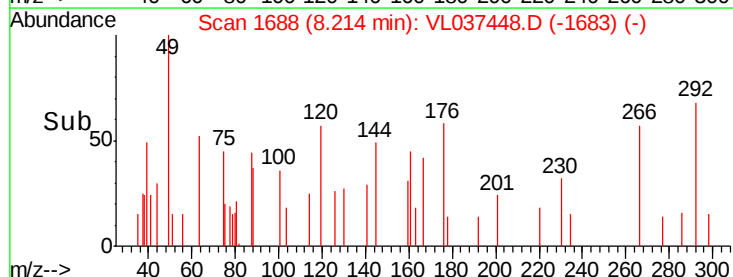
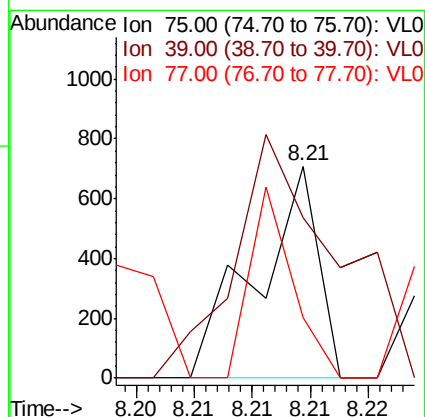
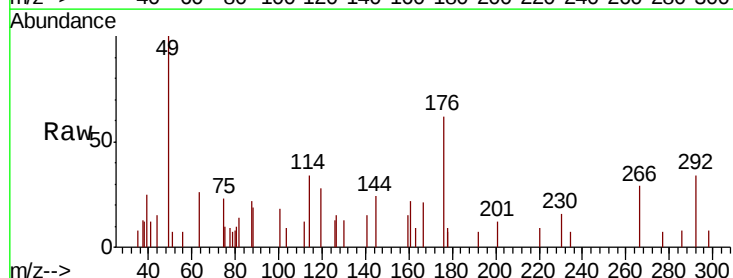
Instrument :
MSVOA_L
ClientSampled :

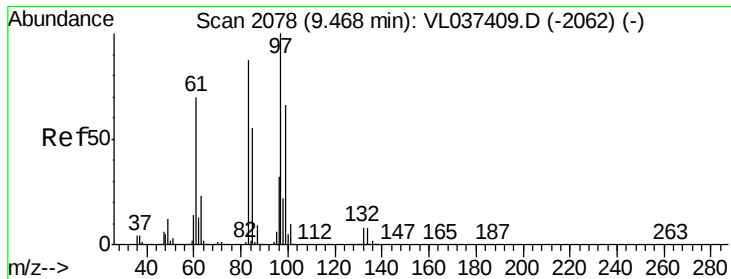
Tot Ion: 75 Resp: 345
Ion Ratio Lower Upper
75 100
77 60.9 24.2 36.2#



#46
cis-1,3-Dichloropropene
Concen: 0.002 ppbv
RT: 8.21 min Scan# 1688
Delta R.T. -0.49 min
Lab File: VL037448.D
Acq: 13 Aug 2021 14:36

Tgt Ion: 75 Resp: 261
Ion Ratio Lower Upper
75 100
39 53.4 50.1 75.1
77 29.0 25.8 38.8

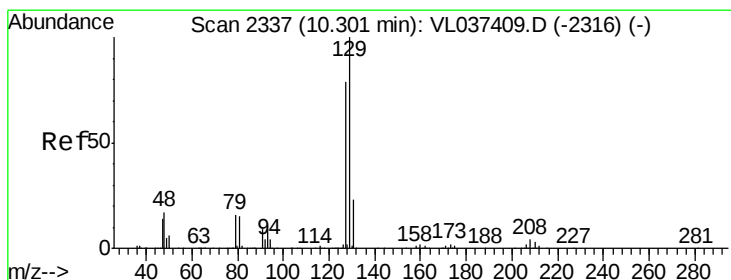
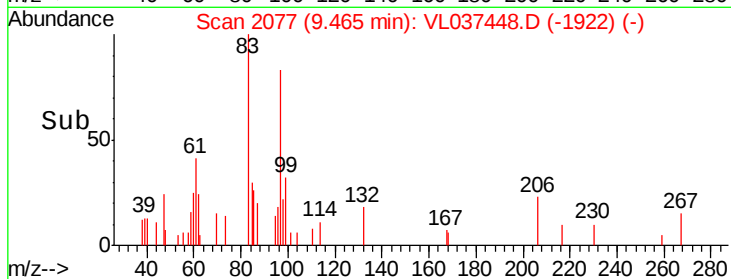
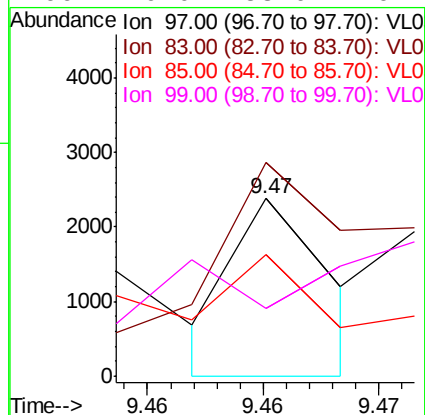
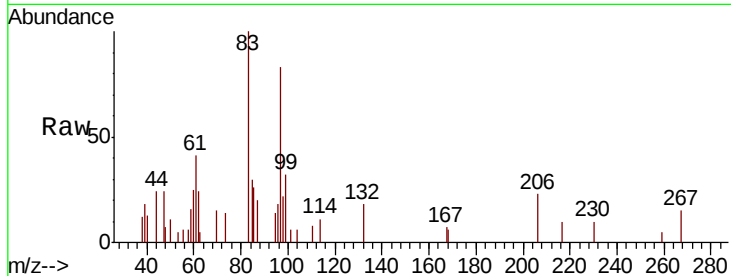




#47
 1,1,2-Trichloroethane
 Concen: 0.005 ppbv
 RT: 9.47 min Scan# 2077
 Delta R.T. -0.00 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

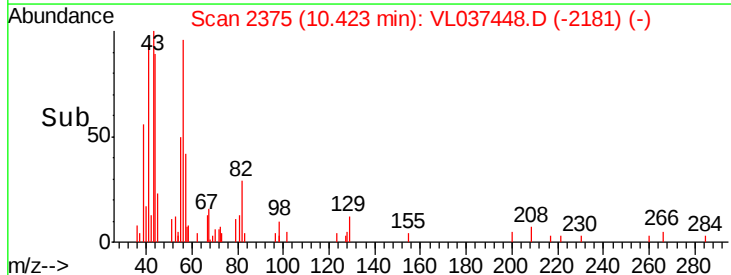
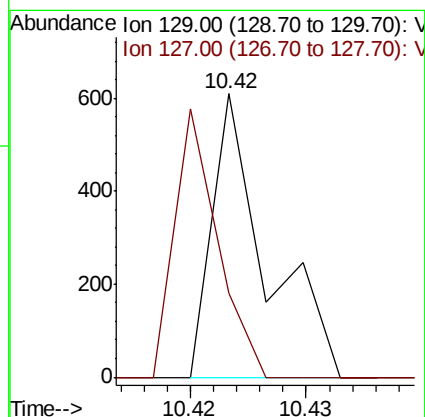
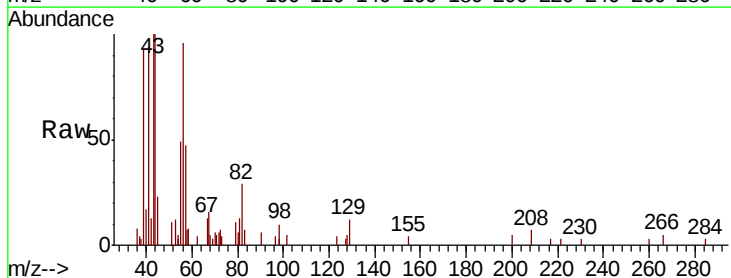
Instrument :
 MSVOA_L
 ClientSampled :

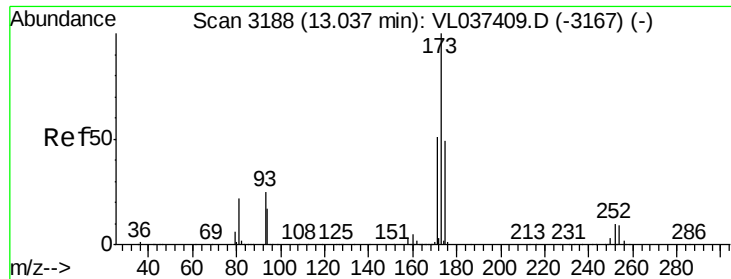
Tot Ion: 97 Resp: 690
 Ion Ratio Lower Upper
 97 100
 83 111.7 69.5 104.3#
 85 57.0 43.8 65.8
 99 0.0 53.0 79.4#



#48
 Dibromochloromethane
 Concen: 0.001 ppbv
 RT: 10.42 min Scan# 2375
 Delta R.T. 0.12 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

Tgt Ion: 129 Resp: 196
 Ion Ratio Lower Upper
 129 100
 127 74.5 39.6 118.8





#49

Bromoform

Concen: 0.006 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.00 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :

MSVOA_L

ClientSampled :

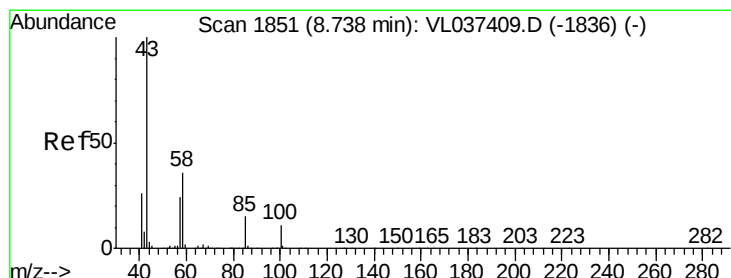
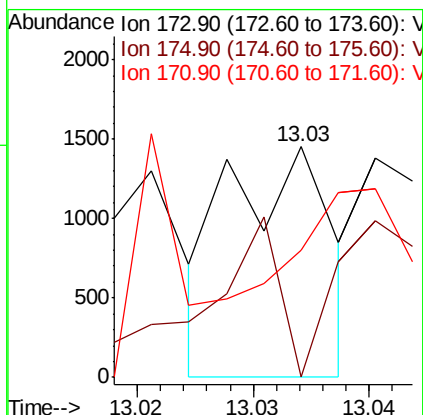
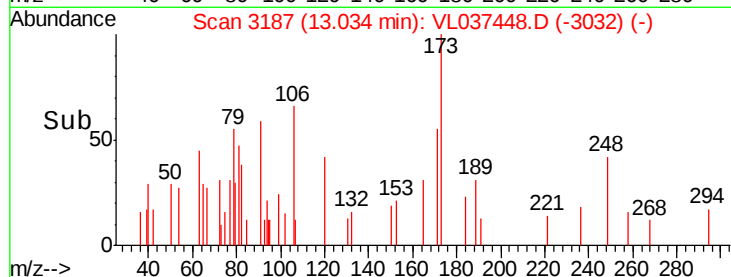
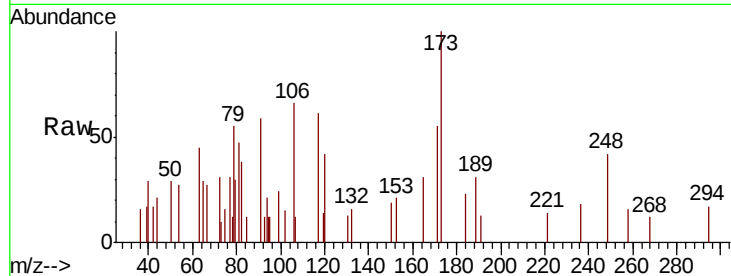
Tot Ion:173 Resp: 886

Ion Ratio Lower Upper

173 100

175 76.9 39.9 59.9#

171 0.0 41.4 62.2#



#50

4-Methyl-2-Pentanone

Concen: 0.002 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VL037448.D

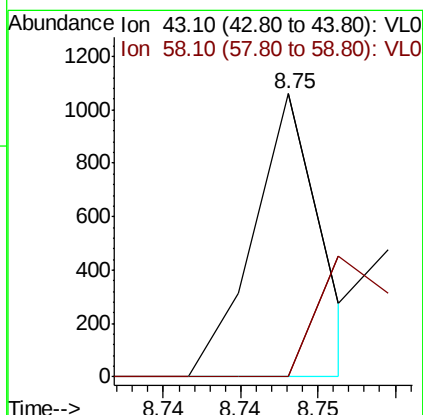
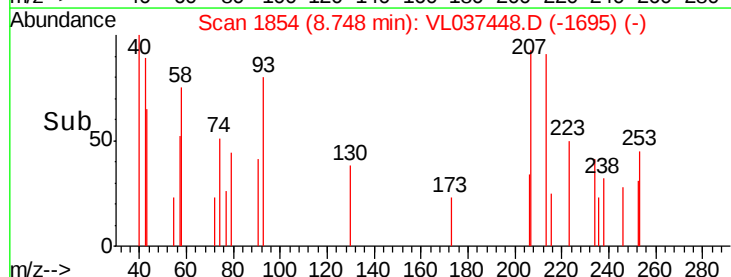
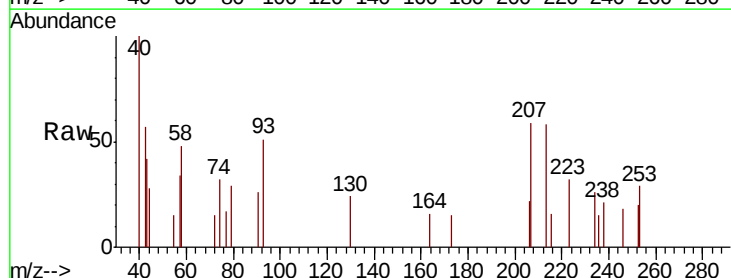
Acq: 13 Aug 2021 14:36

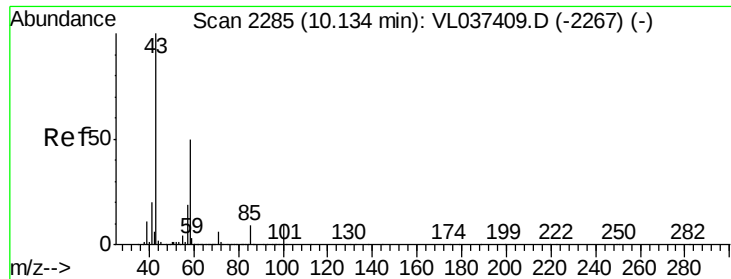
Tgt Ion: 43 Resp: 317

Ion Ratio Lower Upper

43 100

58 0.0 29.9 44.9#

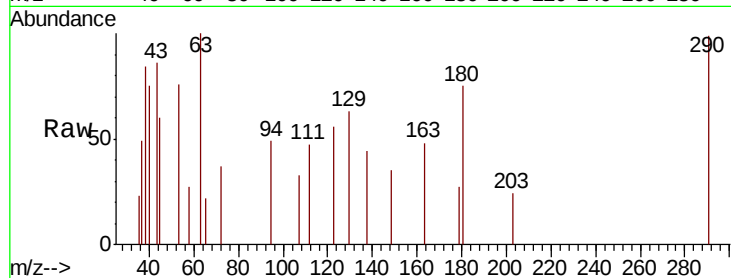




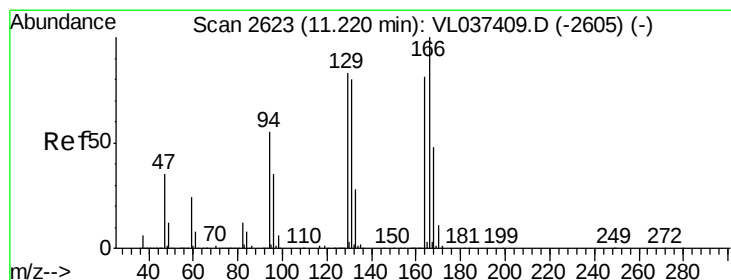
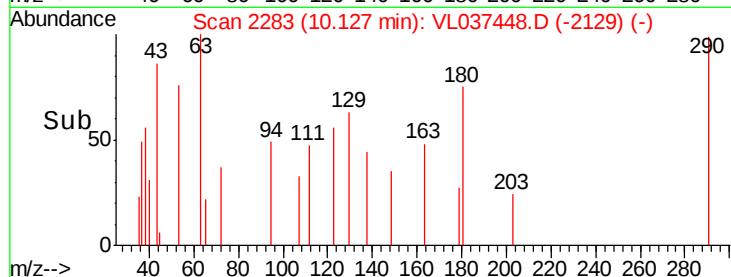
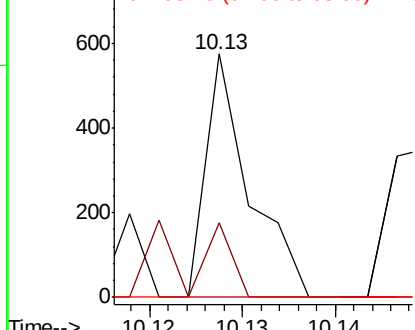
#51
2-Hexanone
Concen: 0.002 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. -0.01 min
Lab File: VL037448.D
Acq: 13 Aug 2021 14:36

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 186
Ion Ratio Lower Upper
43 100
58 0.0 39.9 59.9#
98 0.0 0.2 0.2#

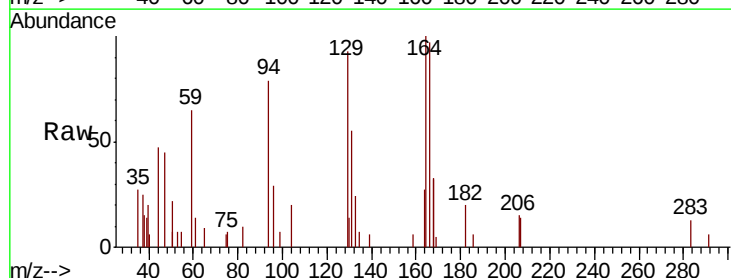


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

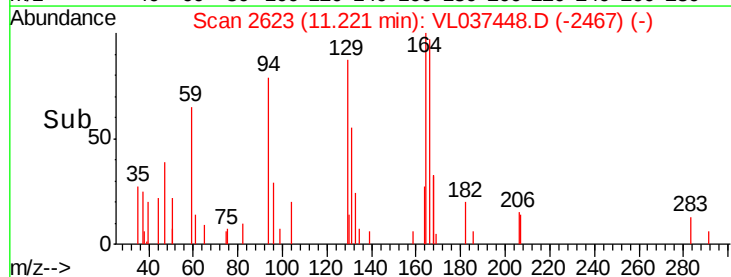
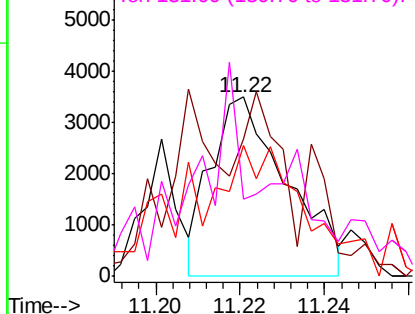


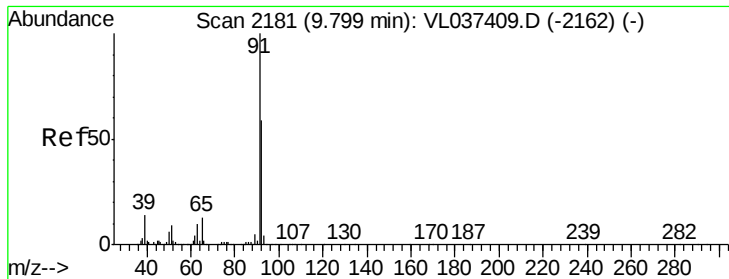
#52
Tetrachloroethene
Concen: 0.034 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL037448.D
Acq: 13 Aug 2021 14:36

Tgt Ion: 164 Resp: 4381
Ion Ratio Lower Upper
164 100
166 76.2 98.6 147.8#
129 66.0 82.0 123.0#
131 28.5 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: 0.005 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :

MSVOA_L

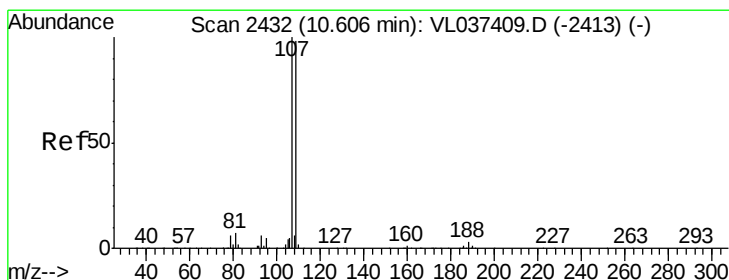
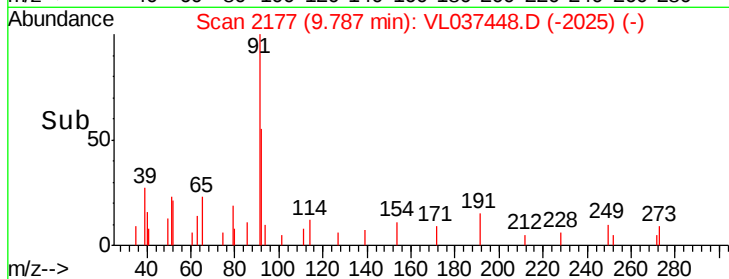
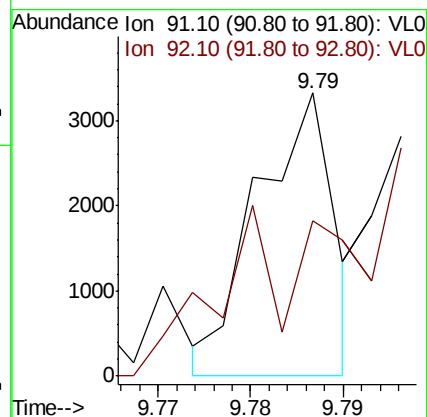
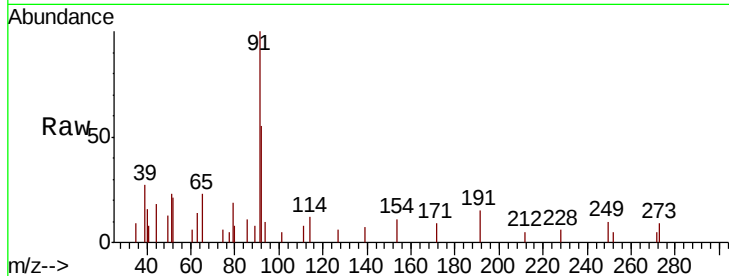
ClientSampleId :

Tot Ion: 91 Resp: 1905

Ion Ratio Lower Upper

91 100

92 0.0 49.0 73.6#



#54

1,2-Dibromoethane

Concen: 0.008 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.01 min

Lab File: VL037448.D

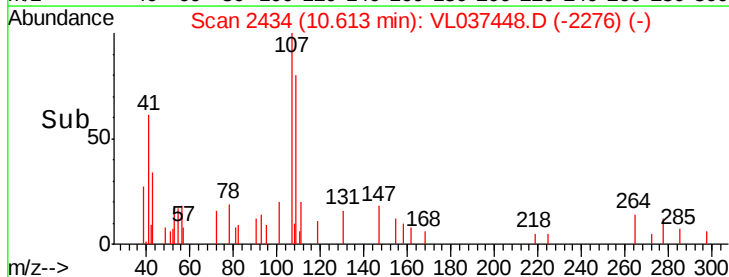
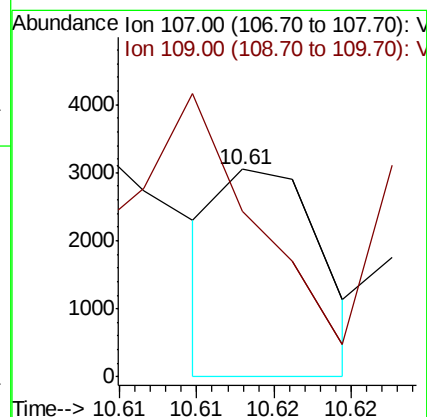
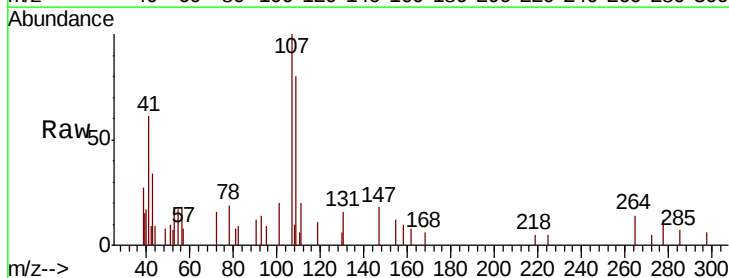
Acq: 13 Aug 2021 14:36

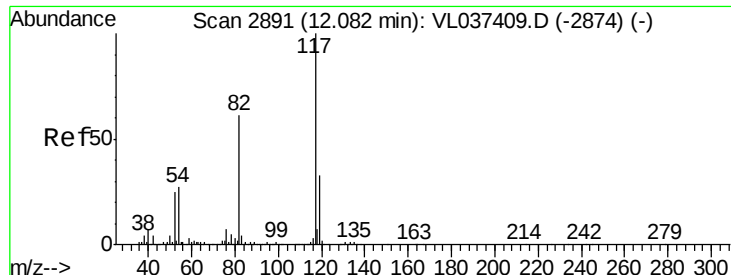
Tgt Ion: 107 Resp: 1370

Ion Ratio Lower Upper

107 100

109 102.2 78.4 117.6

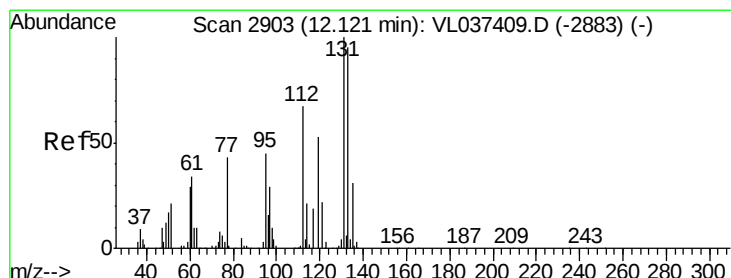
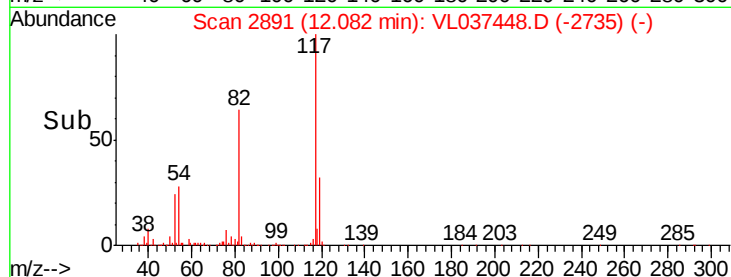
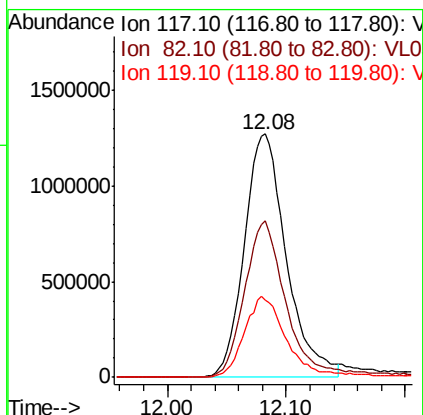
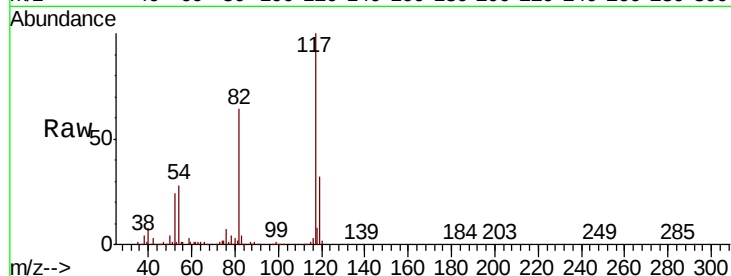




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. 0.00 min
Lab File: VL037448.D
Acq: 13 Aug 2021 14:36

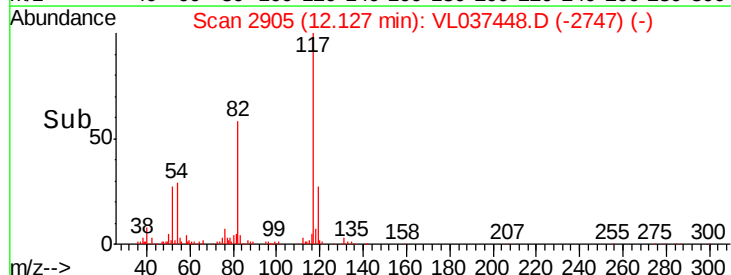
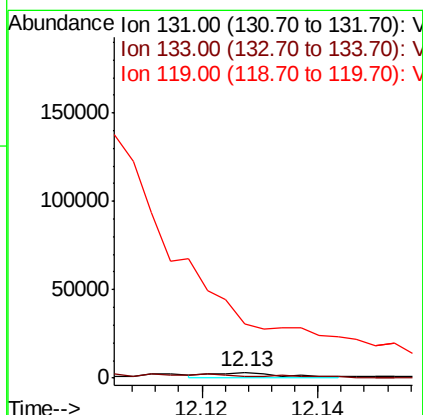
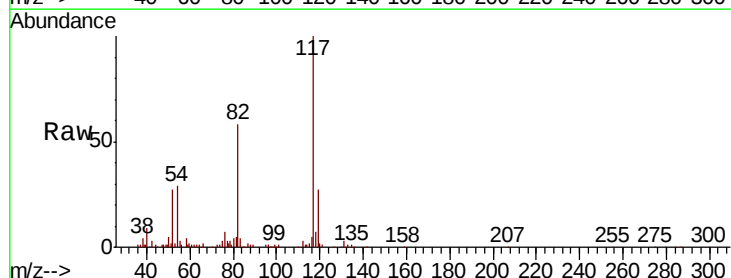
Instrument :
MSVOA_L
ClientSampleId :

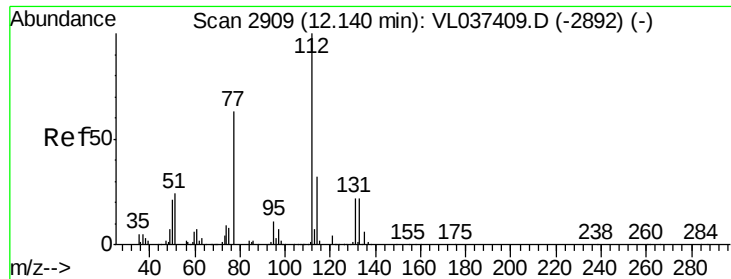
Tot Ion:117 Resp: 3108946
Ion Ratio Lower Upper
117 100
82 66.4 53.1 79.7
119 35.1 28.0 42.0



#56
1,1,1,2-Tetrachloroethane
Concen: 0.024 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL037448.D
Acq: 13 Aug 2021 14:36

Tgt Ion:131 Resp: 2923
Ion Ratio Lower Upper
131 100
133 174.6 77.1 115.7#
119 0.0 59.7 89.5#





#57

Chlorobenzene

Concen: 0.013 ppbv

RT: 12.14 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :

MSVOA_L

ClientSampleId :

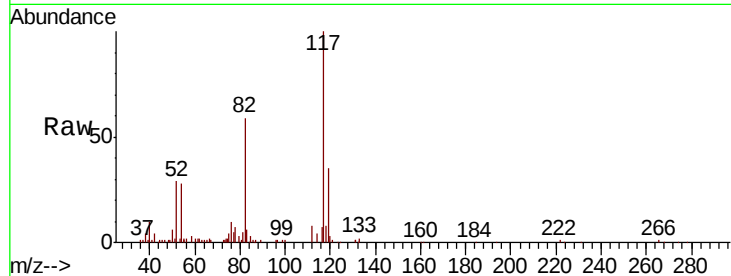
Tot Ion: 112 Resp: 3363

Ion Ratio Lower Upper

112 100

77 1.4 50.0 75.0#

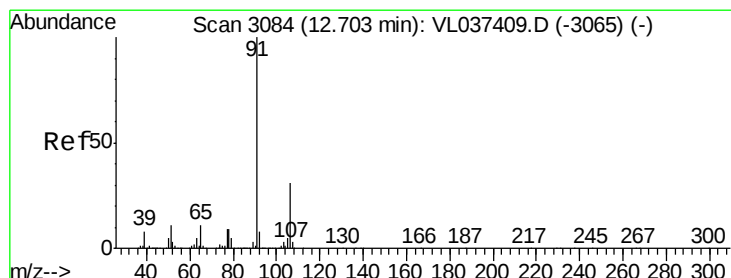
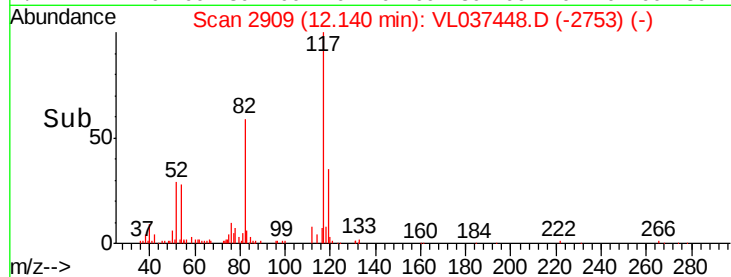
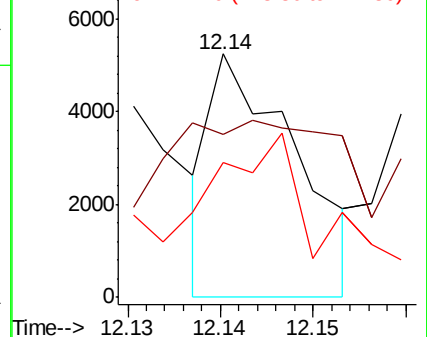
114 32.6 28.5 34.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.003 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. 0.03 min

Lab File: VL037448.D

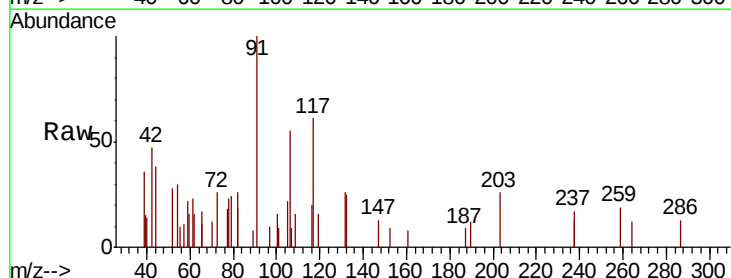
Acq: 13 Aug 2021 14:36

Tgt Ion: 91 Resp: 1068

Ion Ratio Lower Upper

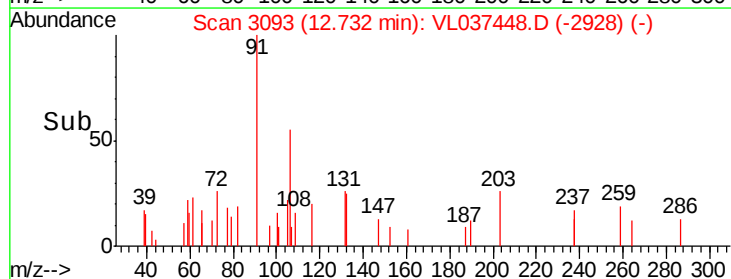
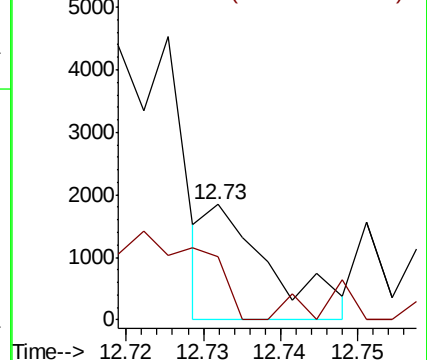
91 100

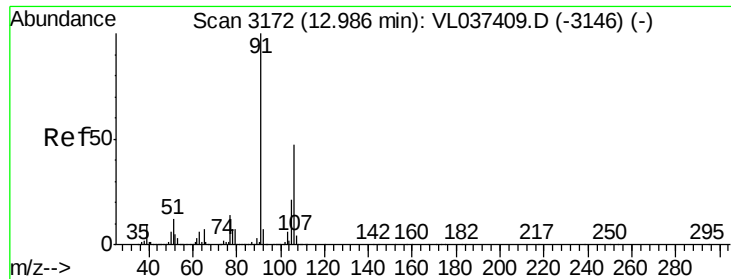
106 36.5 24.7 37.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

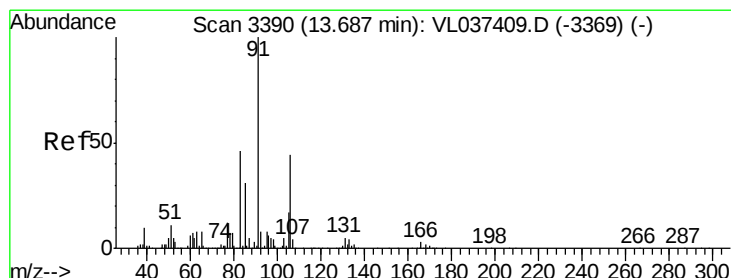
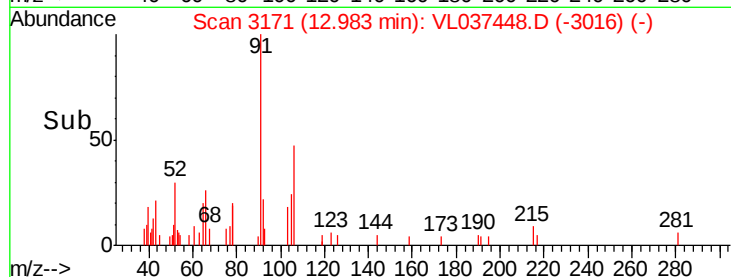
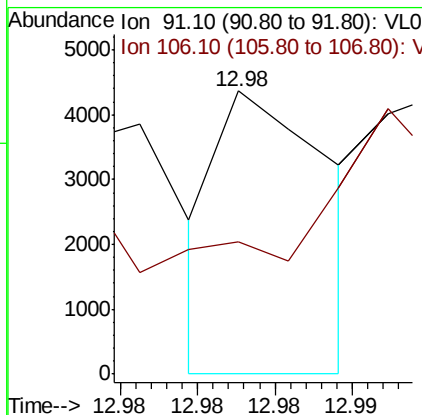
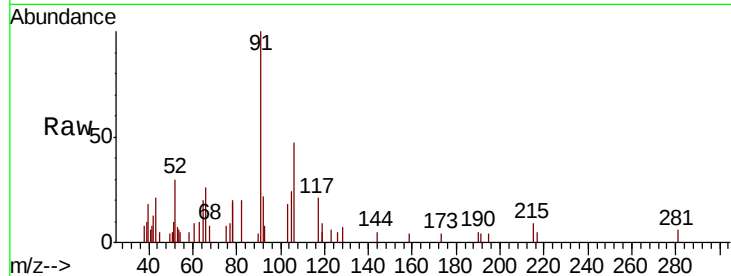




#59
m/p-Xylene
Concen: 0.006 ppbv
RT: 12.98 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VL037448.D
Acq: 13 Aug 2021 14:36

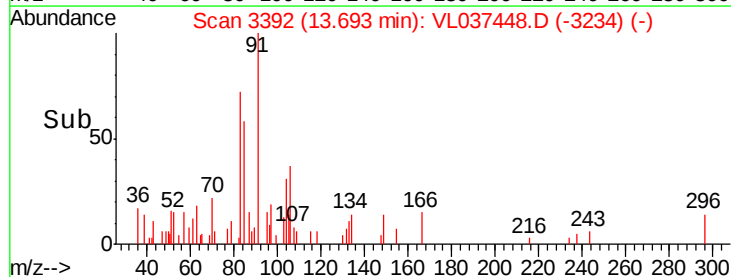
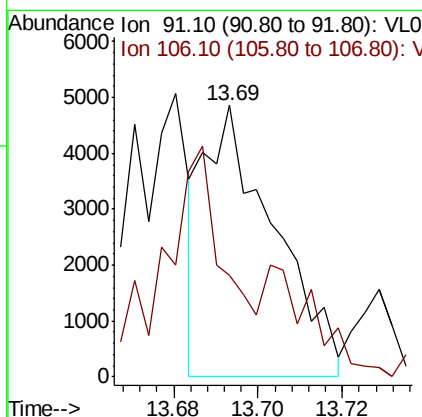
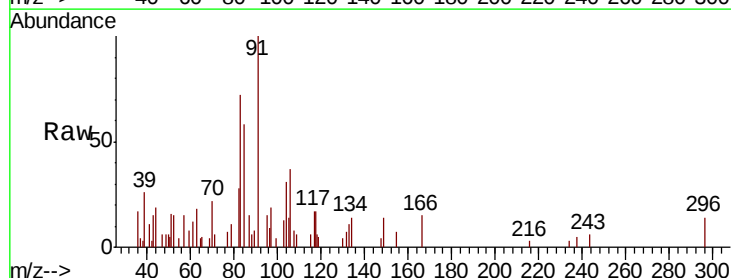
Instrument :
MSVOA_L
ClientSampled :

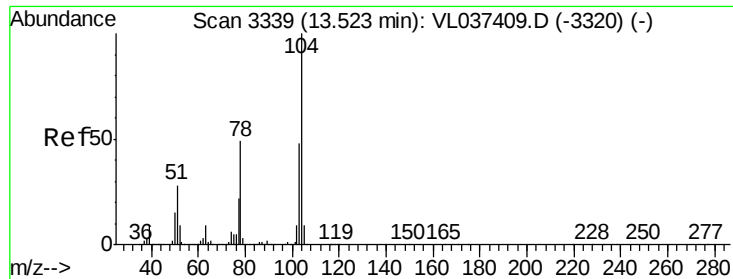
Tot Ion: 91 Resp: 2195
Ion Ratio Lower Upper
91 100
106 0.0 36.6 54.8#



#60
o-Xylene
Concen: 0.016 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.01 min
Lab File: VL037448.D
Acq: 13 Aug 2021 14:36

Tgt Ion: 91 Resp: 5640
Ion Ratio Lower Upper
91 100
106 116.6 24.1 72.2#

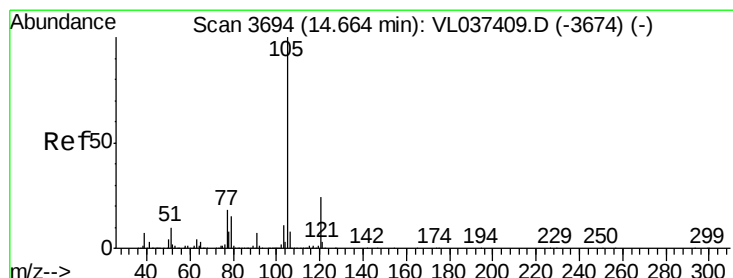
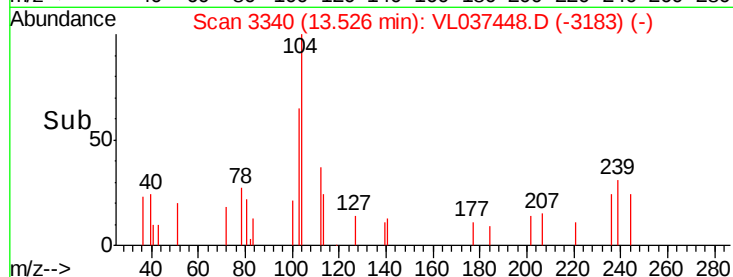
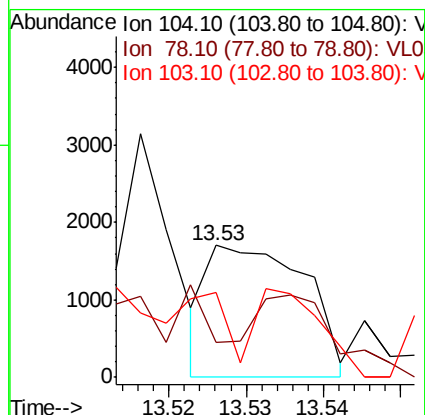
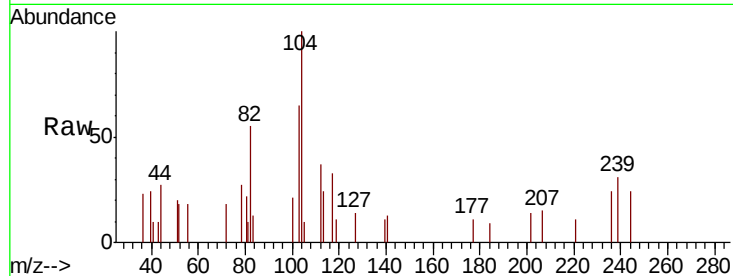




#61
Stvrene
Concen: 0.009 ppbv
RT: 13.53 min Scan# 3340
Delta R.T. 0.00 min
Lab File: VL037448.D
Acq: 13 Aug 2021 14:36

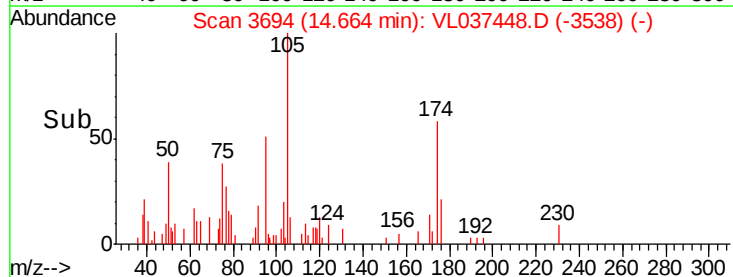
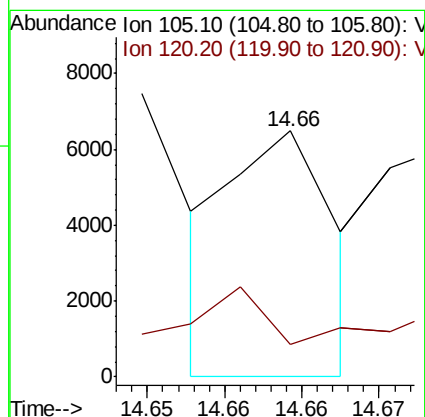
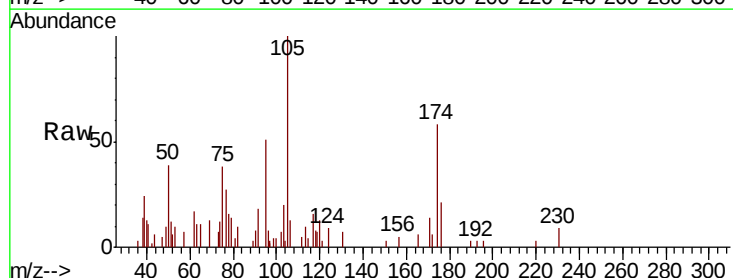
Instrument :
MSVOA_L
ClientSampleId :

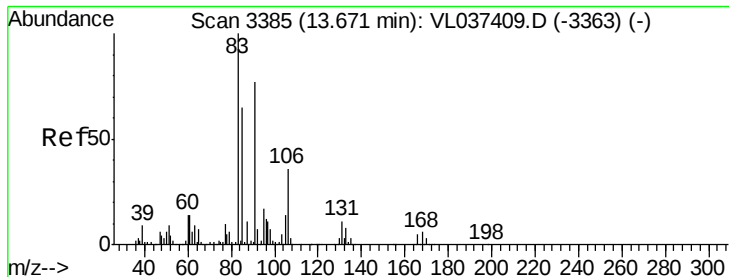
Tot Ion:104 Resp: 1497
Ion Ratio Lower Upper
104 100
78 128.1 41.5 62.3#
103 0.0 40.2 60.2#



#62
Isopropylbenzene
Concen: 0.006 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VL037448.D
Acq: 13 Aug 2021 14:36

Tgt Ion:105 Resp: 3026
Ion Ratio Lower Upper
105 100
120 165.2 21.6 32.4#

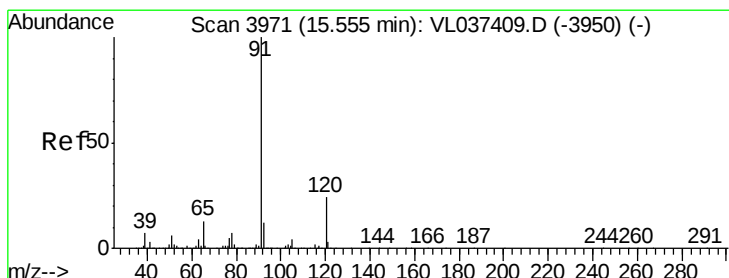
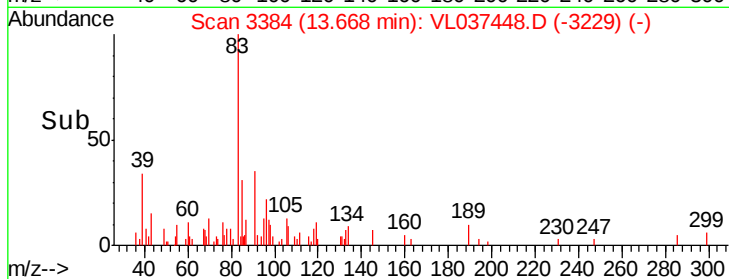
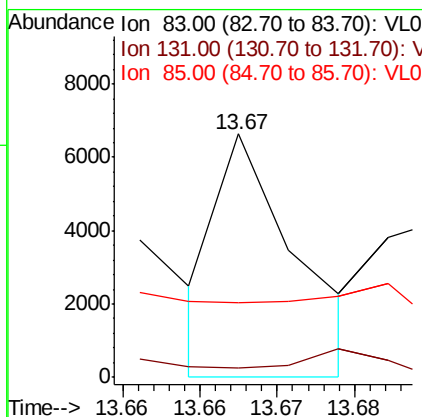
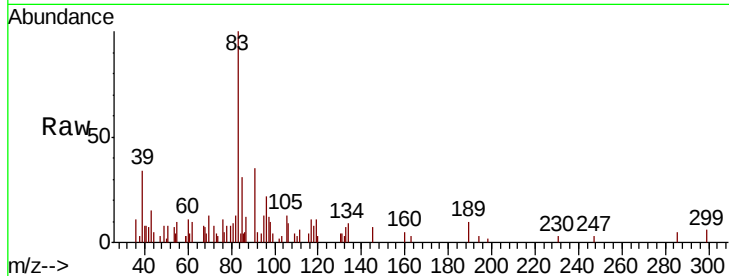




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.009 ppbv
 RT: 13.67 min Scan# 3384
 Delta R.T. -0.00 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

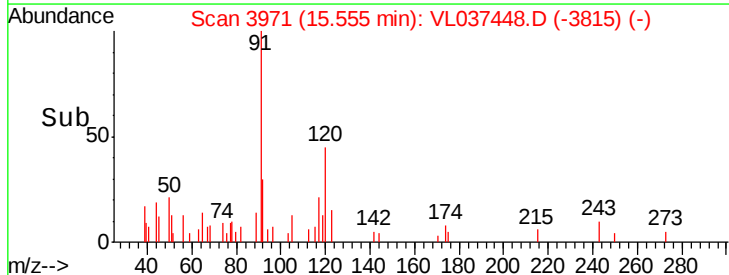
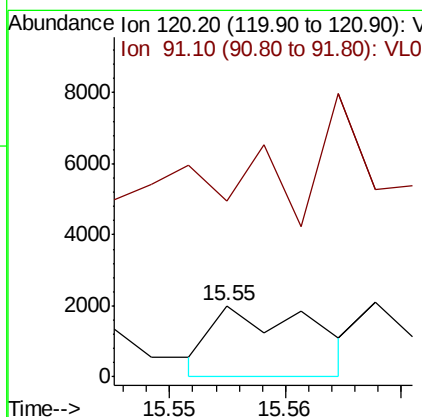
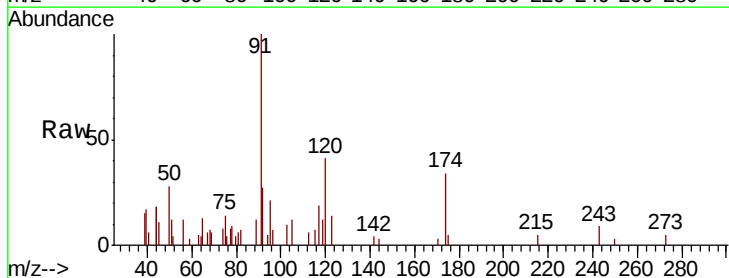
Instrument :
 MSVOA_L
 ClientSampled :

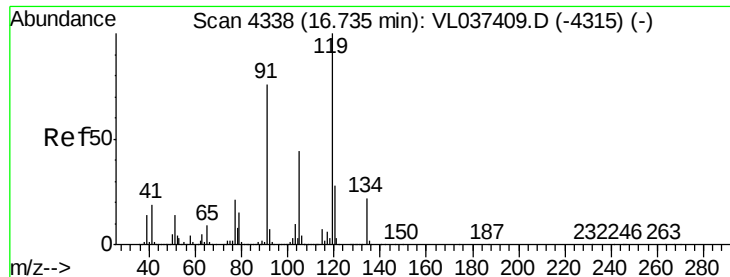
Tot Ion: 83 Resp: 2392
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.1 15.4#
 85 0.0 33.4 100.2#



#64
 n-propylbenzene
 Concen: 0.010 ppbv
 RT: 15.55 min Scan# 3971
 Delta R.T. 0.00 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

Tgt Ion: 120 Resp: 1200
 Ion Ratio Lower Upper
 120 100
 91 0.0 388.4 582.6#





#65

tert-Butylbenzene

Concen: 0.006 ppbv

RT: 16.73 min Scan# 4337

Delta R.T. -0.00 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :

MSVOA_L

ClientSampleId :

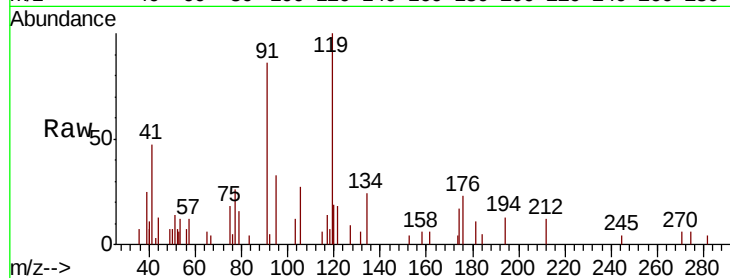
Tot Ion: 119 Resp: 2835

Ion Ratio Lower Upper

119 100

91 0.0 62.2 93.4#

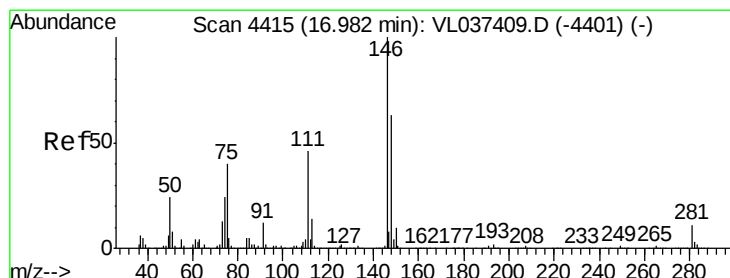
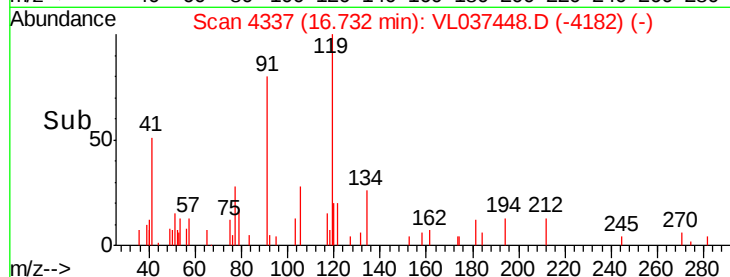
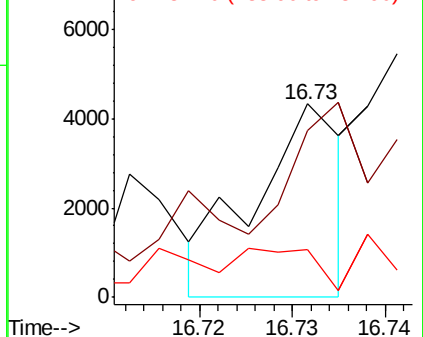
134 0.0 16.1 24.1#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.052 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. 0.01 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

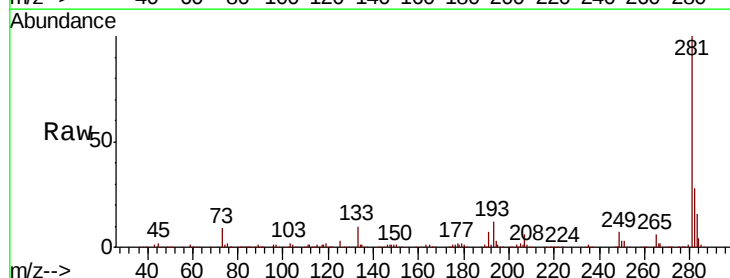
Tgt Ion: 91 Resp: 1049

Ion Ratio Lower Upper

91 100

126 301.5 14.3 21.5#

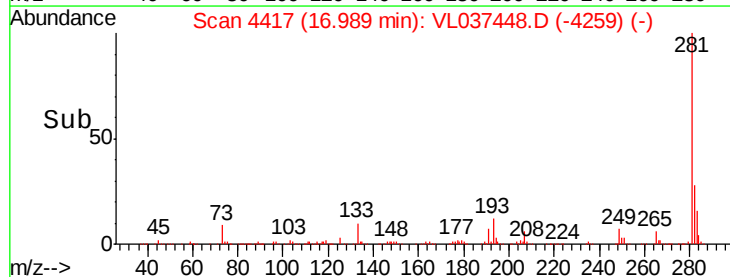
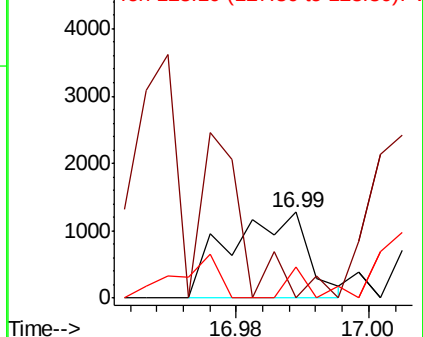
128 44.6 4.6 7.0#

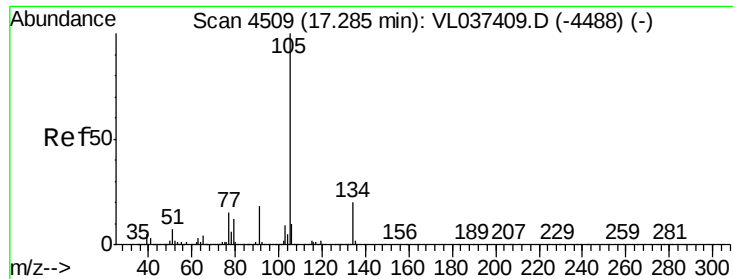


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

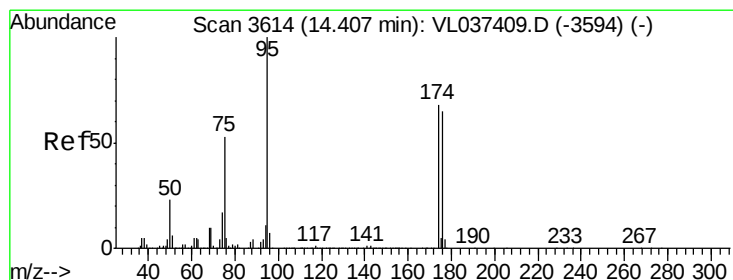
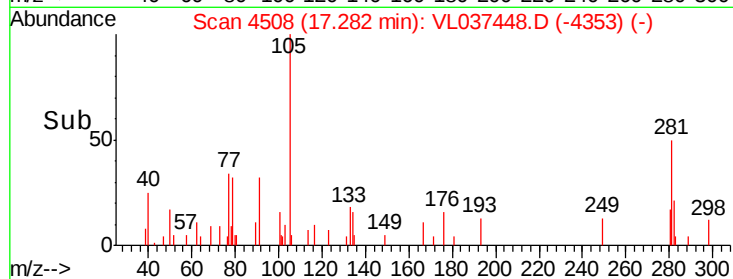
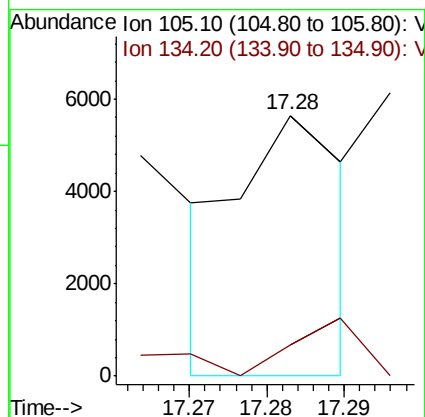
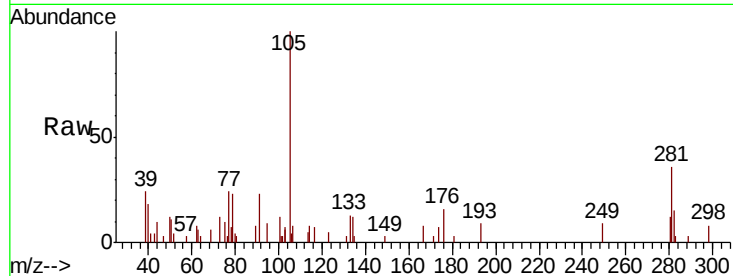




#67
 sec-Butylbenzene
 Concen: 0.005 ppbv
 RT: 17.28 min Scan# 4508
 Delta R.T. -0.00 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

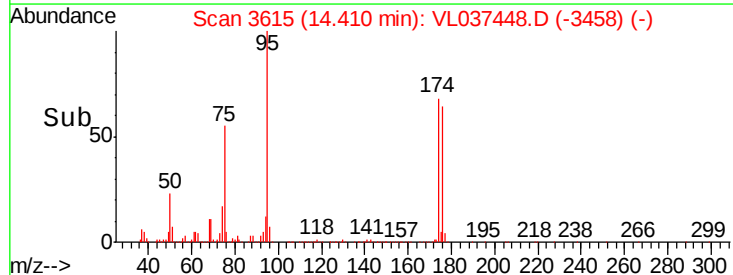
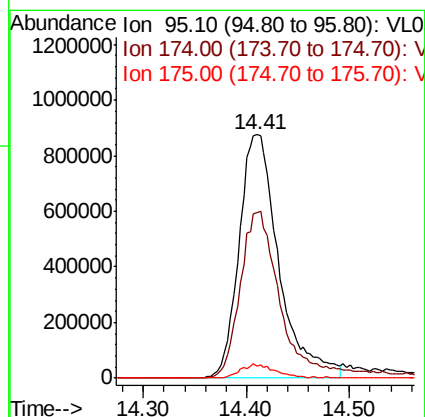
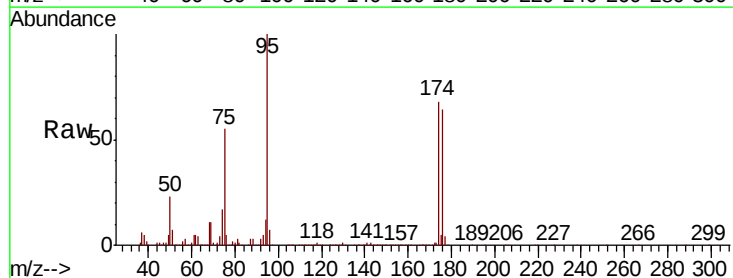
Instrument :
 MSVOA_L
 ClientSampleId :

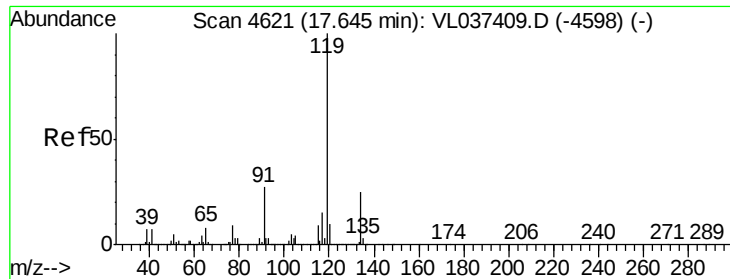
Tot Ion:105 Resp: 2724
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.4 23.0#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.554 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. 0.00 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

Tgt Ion: 95 Resp: 2353832
 Ion Ratio Lower Upper
 95 100
 174 72.9 59.6 89.4
 175 5.3 4.3 6.5

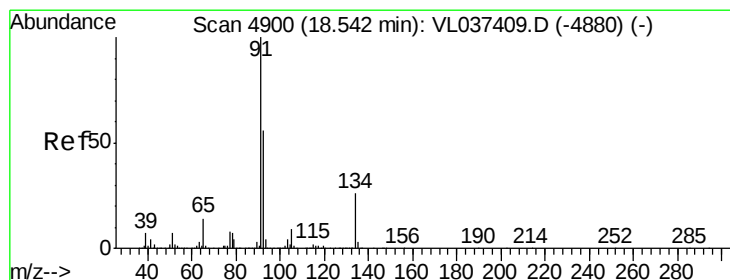
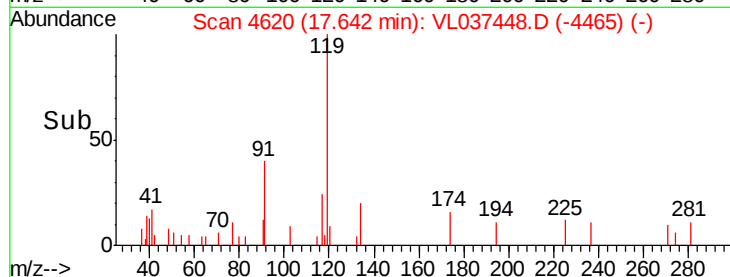
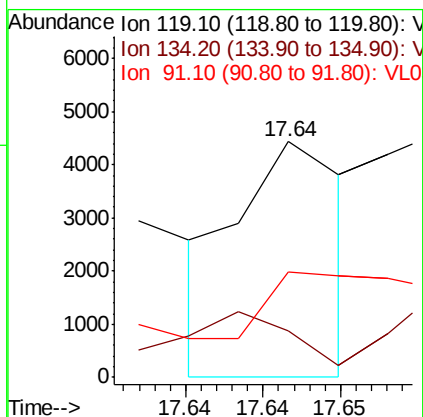
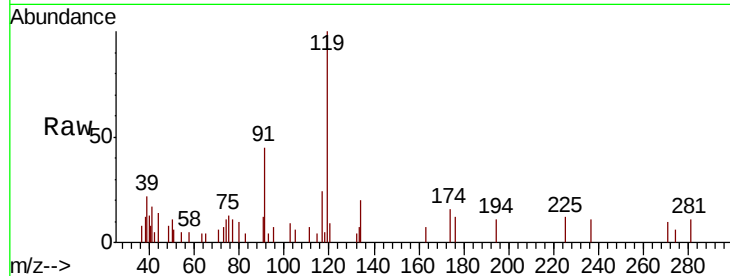




#69
 p-Isopropyltoluene
 Concen: 0.004 ppbv
 RT: 17.64 min Scan# 4620
 Delta R.T. -0.00 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

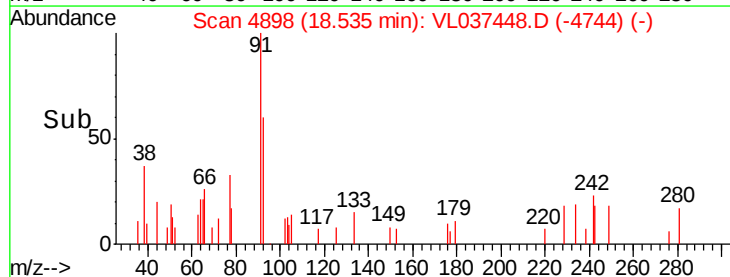
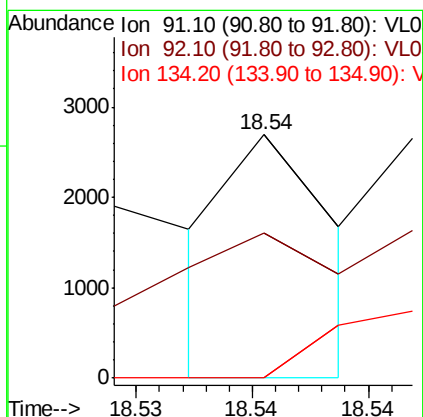
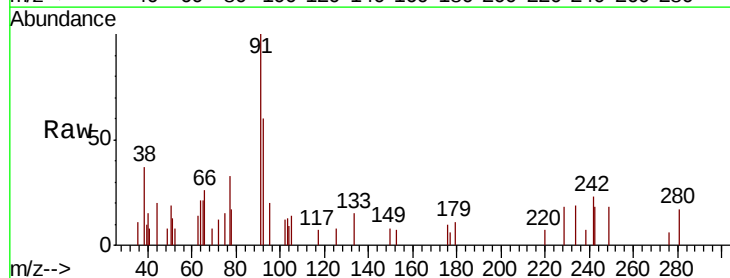
Instrument :
 MSVOA_L
 ClientSampled :

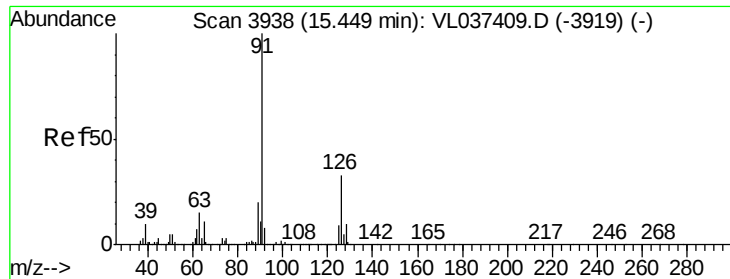
Tot Ion: 119 Resp: 2149
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.6 31.0#
 91 212.1 22.4 33.6#



#70
 n-Butylbenzene
 Concen: 0.002 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.01 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

Tgt Ion: 91 Resp: 843
 Ion Ratio Lower Upper
 91 100
 92 0.0 44.2 66.2#
 134 0.0 19.5 29.3#

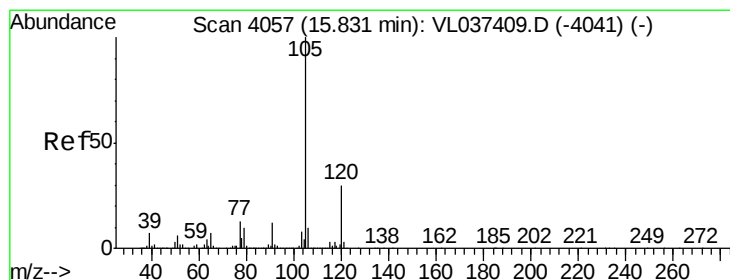
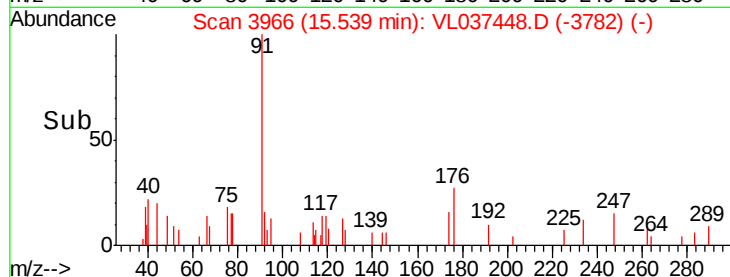
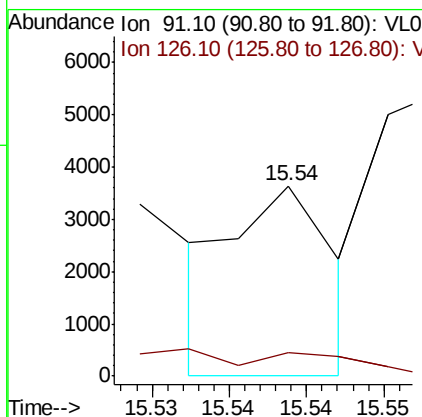
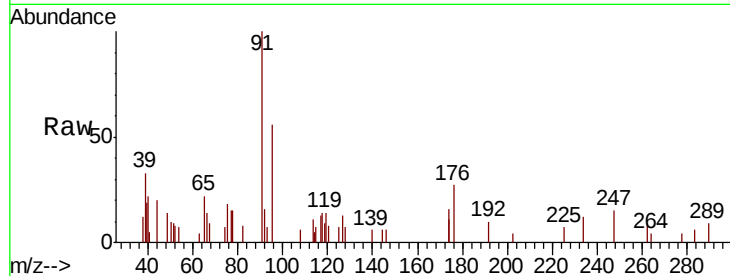




#71
 2-Chlorotoluene
 Concen: 0.005 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. 0.09 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

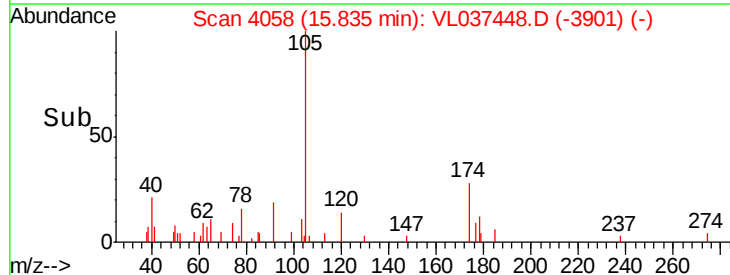
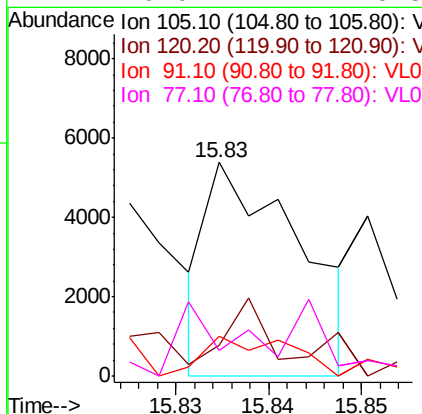
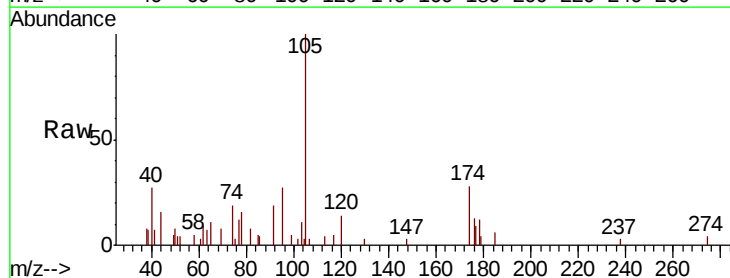
Instrument :
 MSVOA_L
 ClientSampleId :

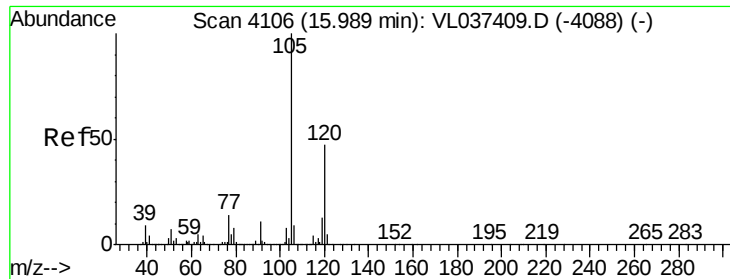
Tot Ion: 91 Resp: 1642
 Ion Ratio Lower Upper
 91 100
 126 25.3 13.5 53.9



#72
 4-Ethyltoluene
 Concen: 0.009 ppbv
 RT: 15.83 min Scan# 4058
 Delta R.T. 0.00 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

Tgt Ion: 105 Resp: 3761
 Ion Ratio Lower Upper
 105 100
 120 60.8 25.0 37.4#
 91 50.4 11.2 16.8#
 77 0.0 11.2 16.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.005 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. 0.00 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :

MSVOA_L

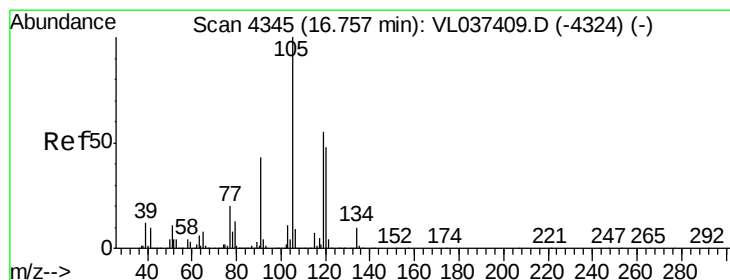
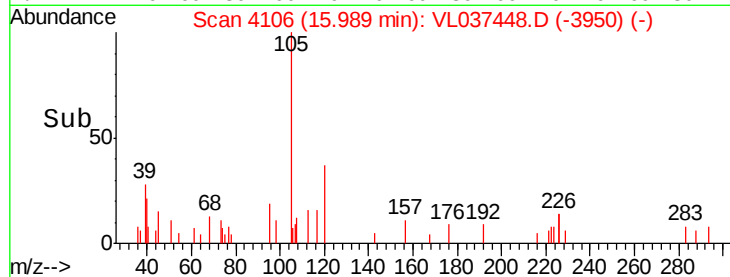
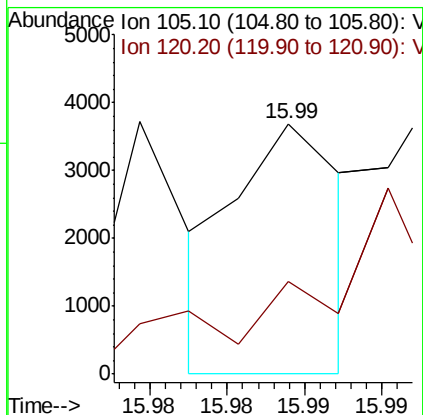
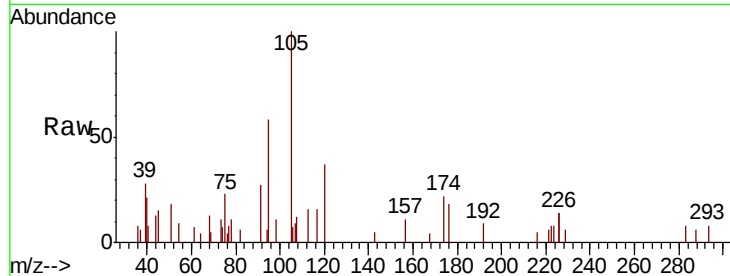
ClientSampleId :

Tot Ion:105 Resp: 1785

Ion Ratio Lower Upper

105 100

120 30.1 37.4 56.0#



#74

1,2,4-Trimethylbenzene

Concen: 0.006 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.00 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Tgt Ion:105 Resp: 2198

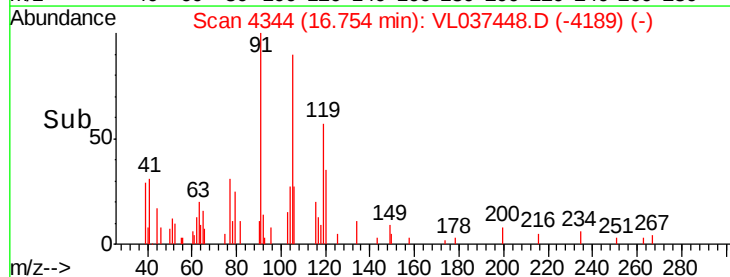
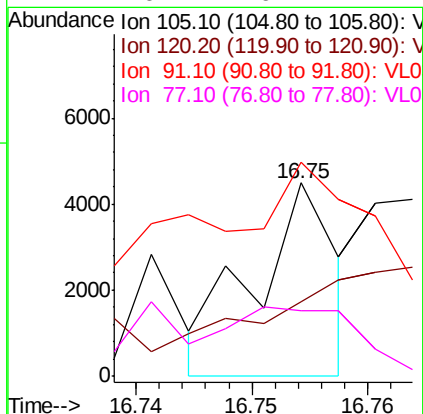
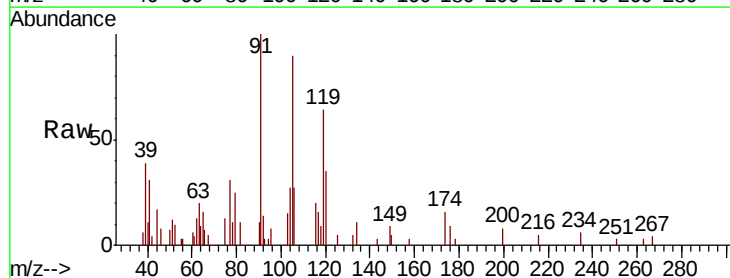
Ion Ratio Lower Upper

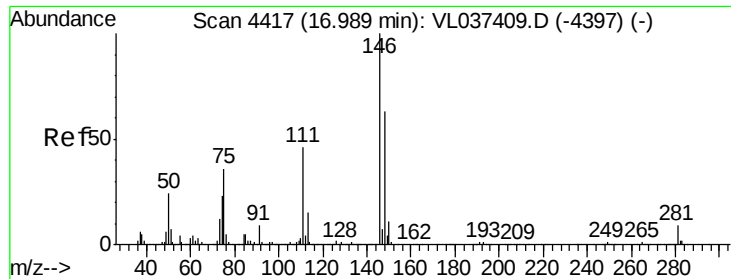
105 100

120 15.5 38.2 57.2#

91 40.2 35.4 53.2

77 16.4 16.2 24.2





#75

1,3-Dichlorobenzene

Concen: 0.012 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. 0.00 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :

MSVOA_L

ClientSampled :

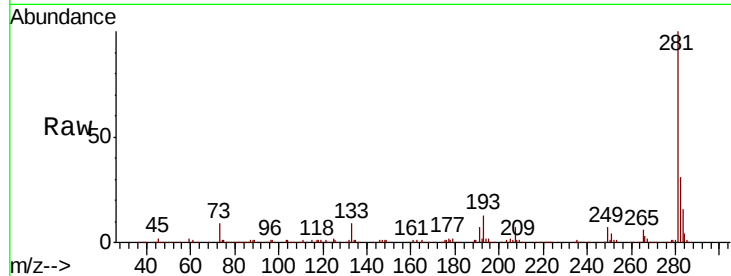
Tot Ion:146 Resp: 2798

Ion Ratio Lower Upper

146 100

111 376.7 22.9 68.7#

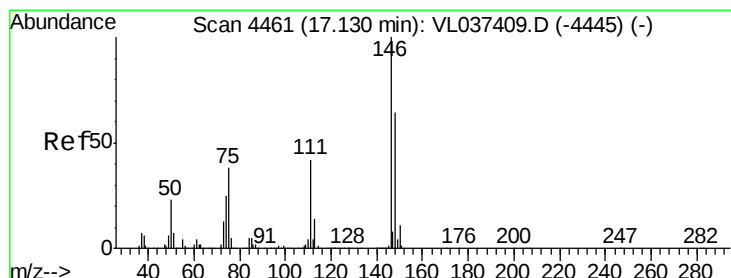
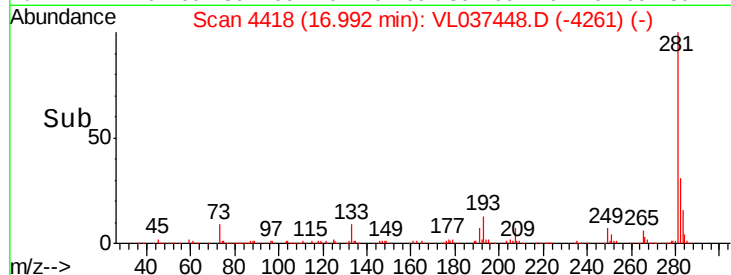
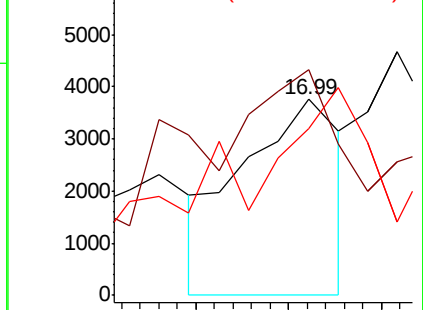
148 290.2 32.0 96.2#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 0.003 ppbv

RT: 17.11 min Scan# 4456

Delta R.T. -0.02 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

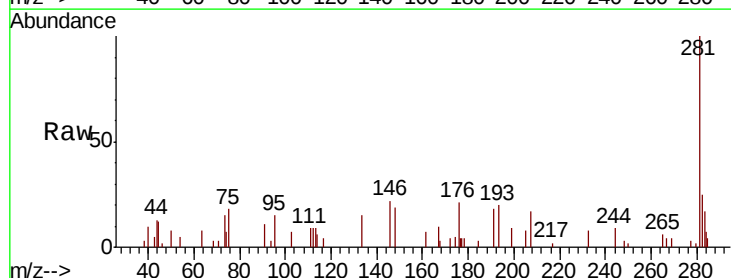
Tgt Ion:146 Resp: 767

Ion Ratio Lower Upper

146 100

111 687.4 22.8 68.4#

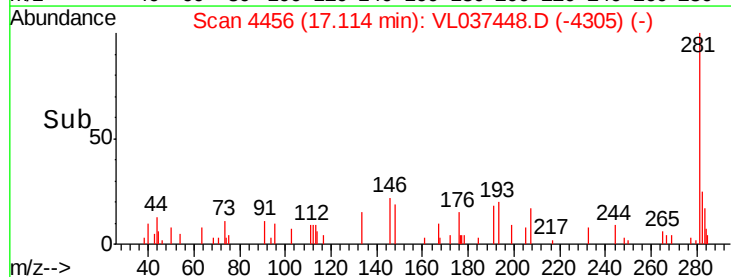
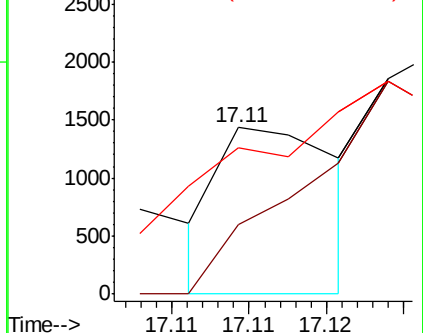
148 267.5 34.0 102.0#

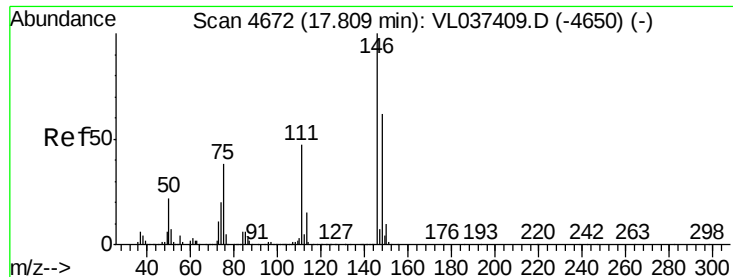


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.006 ppbv

RT: 17.81 min Scan# 4671

Delta R.T. -0.00 min

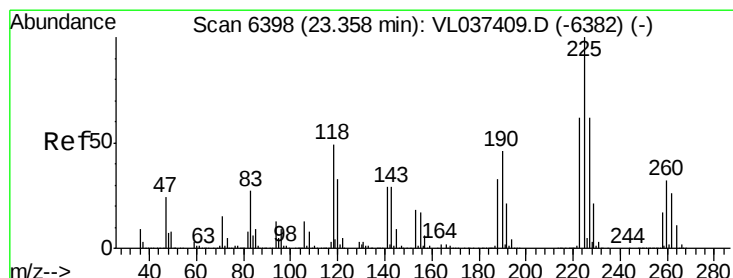
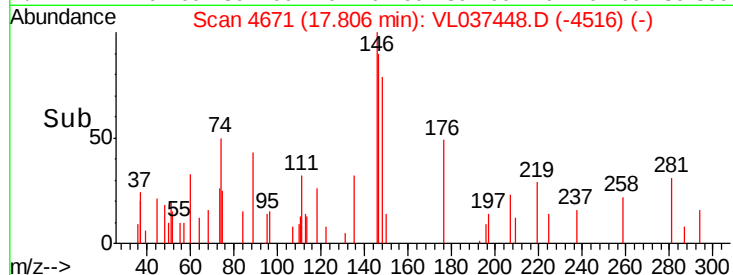
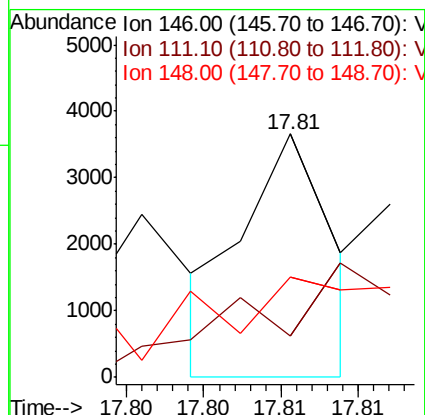
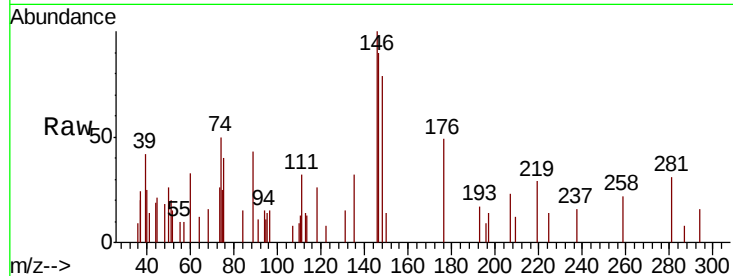
Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:146 Resp: 1461

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.8	71.5#
148	0.0	32.5	97.4#



#78

Hexachloro-1,3-Butadiene

Concen: 0.008 ppbv

RT: 23.36 min Scan# 6398

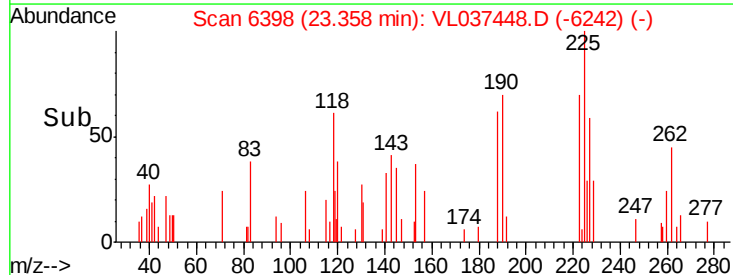
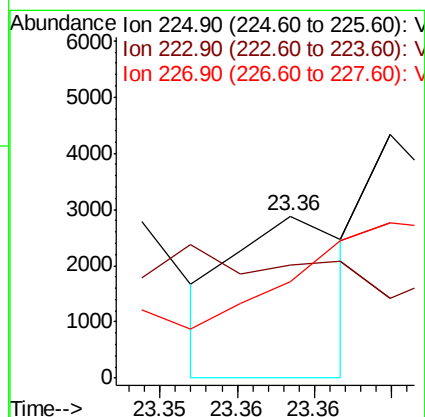
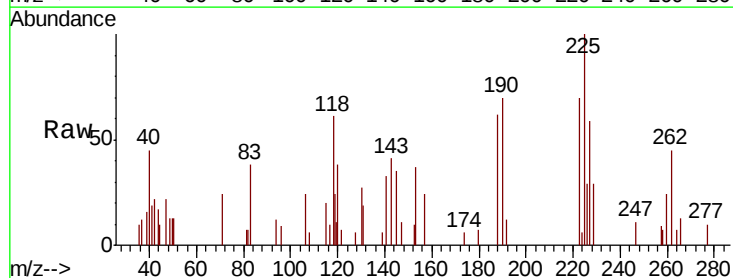
Delta R.T. 0.00 min

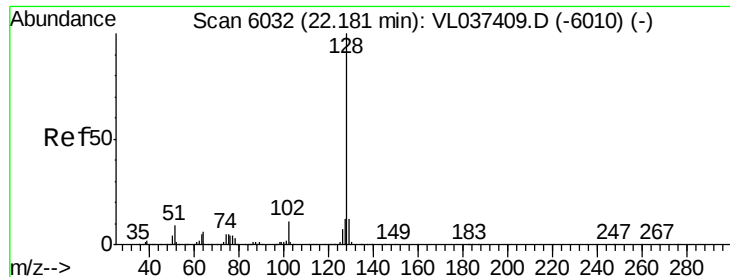
Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Tgt Ion:225 Resp: 1467

Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.2	76.8#
227	0.0	52.2	78.4#





#79

Naphthalene

Concen: 0.002 ppbv

RT: 22.18 min Scan# 6032

Delta R.T. 0.00 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :

MSVOA_L

ClientSampleId :

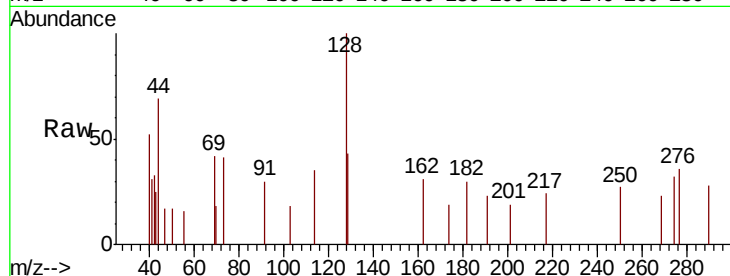
Tot Ion:128 Resp: 386

Ion Ratio Lower Upper

128 100

127 69.9 9.9 14.9#

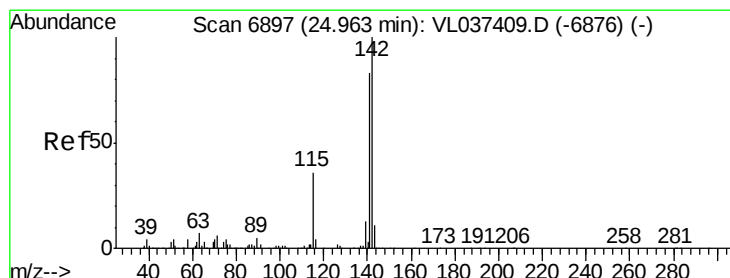
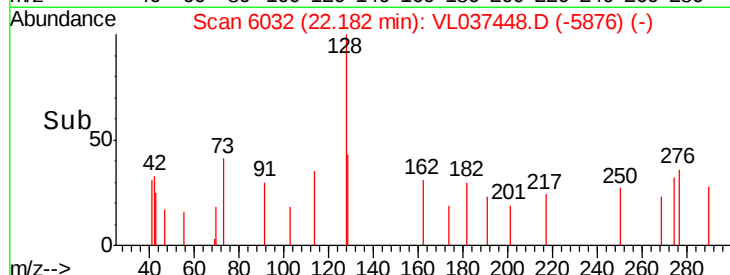
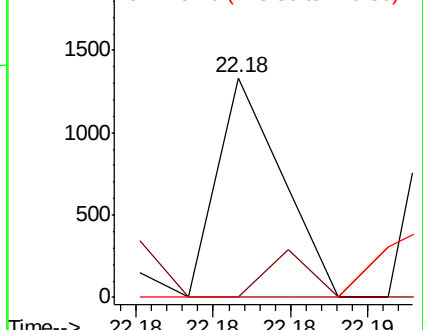
129 0.0 9.4 14.0#



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: 0.002 ppbv

RT: 24.97 min Scan# 6899

Delta R.T. 0.01 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

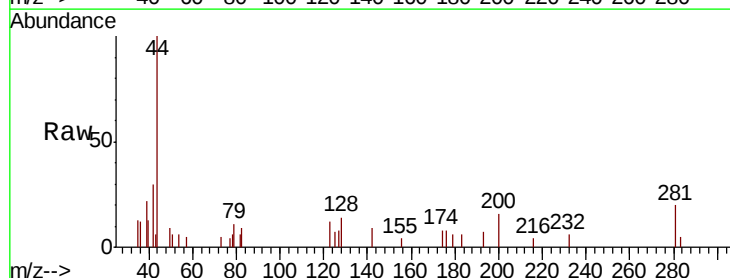
Tgt Ion:142 Resp: 108

Ion Ratio Lower Upper

142 100

141 137.0 68.7 103.1#

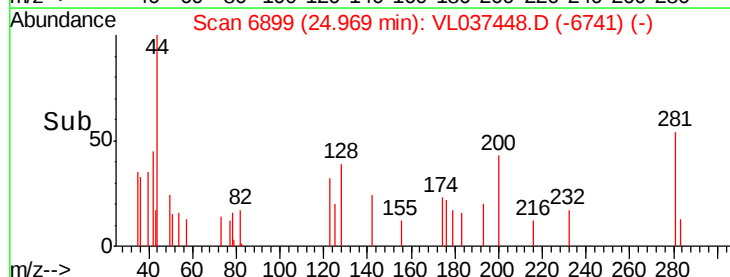
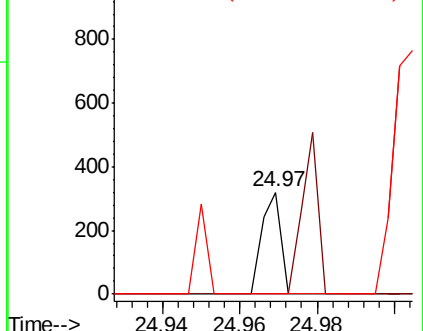
115 0.0 32.7 49.1#

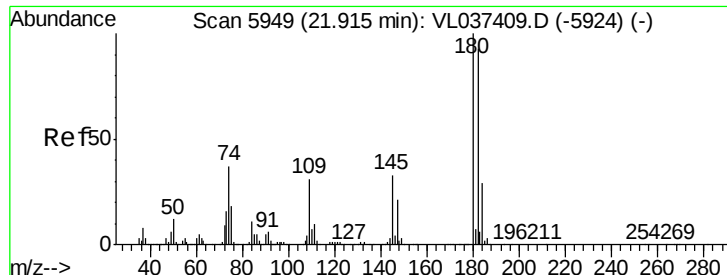


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

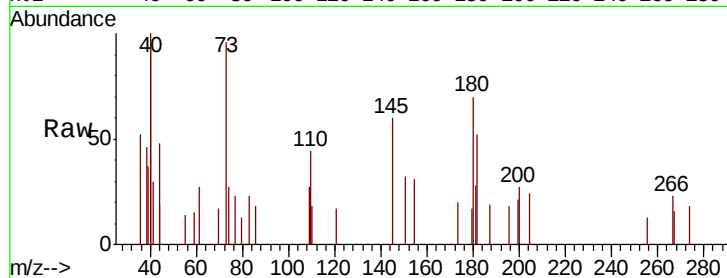




#81
 1,2,4-Trichlorobenzene
 Concen: 0.002 ppbv
 RT: 21.91 min Scan# 5948
 Delta R.T. -0.00 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 319
 Ion Ratio Lower Upper
 180 100
 182 0.0 78.6 118.0#
 184 0.0 24.6 36.8#



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

