

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081321\
 Data File : VL037452.D
 Acq On : 13 Aug 2021 17:05
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 16 01:41:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 01:37:35 2021
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1273950	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3915753	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4414566	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2604066	8.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1993478	10.242	ppbv 98
3) Chlorodifluoromethane	2.99	51	2414915	9.653	ppbv 99
4) Chloromethane	3.14	50	866952	9.641	ppbv 99
5) Vinyl Chloride	3.26	62	908239	9.167	ppbv 98
6) Bromomethane	3.48	94	444345	8.648	ppbv 99
7) Chloroethane	3.56	64	323305	9.882	ppbv 91
8) Dichlorotetrafluoroethane	3.19	85	2177979	10.026	ppbv 99
9) Propene	3.01	41	803047	9.559	ppbv 100
10) Heptane	8.12	43	2066360	10.115	ppbv 100
11) Trichlorofluoromethane	3.95	101	1996880	9.482	ppbv 95
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1494390	10.129	ppbv 96
13) Ethanol	3.61	45	48723	5.435	ppbv # 48
14) Bromoethene	3.74	108	670985	10.225	ppbv 98
15) Acetone	3.85	43	1044598	7.732	ppbv 97
16) 1,3-Butadiene	3.33	39	878849	9.692	ppbv 99
17) tert-Butyl alcohol	4.29	59	1229116	9.531	ppbv 100
18) 1,1-Dichloroethene	4.29	96	678913	9.912	ppbv 92
19) Isopropyl Alcohol	3.97	45	680567	8.656	ppbv 99
20) Methylene Chloride	4.34	84	600463	8.405	ppbv 94
21) Allyl Chloride	4.41	41	1008359	9.525	ppbv 98
22) trans-1,2-Dichloroethene	4.89	96	703041	10.942	ppbv 96
23) Vinyl Acetate	5.07	43	1647733	7.948	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1449953	9.005	ppbv 99
25) Ethyl Acetate	5.68	43	3225573	10.018	ppbv 99
26) Hexane	5.69	57	1569498	9.445	ppbv 99
27) Carbon Disulfide	4.55	76	1670847	11.927	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1474906	8.294	ppbv 100
29) Chloroform	5.75	83	2345560	10.026	ppbv 100
30) Cyclohexane	7.13	84	1367434	9.993	ppbv 98
31) cis-1,2-Dichloroethene	5.55	61	1478739	10.296	ppbv 99
32) 1,1,1-Trichloroethane	6.51	97	2309967	9.784	ppbv 99
34) 2-Butanone	5.24	43	1371126	8.481	ppbv 99
35) Carbon Tetrachloride	7.02	117	2443926	10.121	ppbv 99
36) Benzene	6.89	78	3261906	9.879	ppbv 97
37) 1,2-Dichloroethane	6.31	62	1695811	10.064	ppbv 100
38) Trichloroethene	7.84	130	1327979	9.112	ppbv 96
39) 1,2-Dichloropropane	7.61	63	1224374	9.734	ppbv 96
40) 1,4-Dioxane	7.83	88	251454	8.215	ppbv # 100
41) Tetrahydrofuran	6.05	42	731352	9.851	ppbv 97
42) Bromodichloromethane	7.79	83	1316823	5.581	ppbv 95
43) Methyl Methacrylate	8.01	69	1172851	10.481	ppbv 98

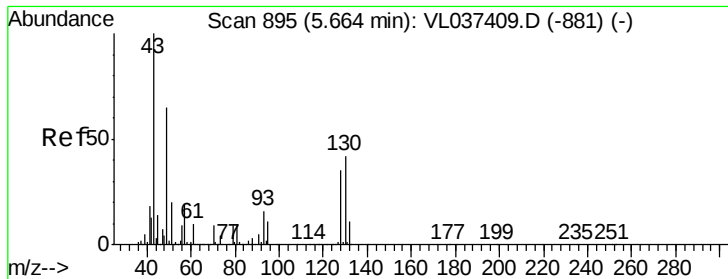
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081321\
 Data File : VL037452.D
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 Operator : SY/AP
 Sample : VSTDCCC010
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Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 16 01:41:41 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	5424369	9.826	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	786646	9.460	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1056329	9.099	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1345270	9.894	ppbv	98
48) Dibromochloromethane	10.30	129	2158778	11.004	ppbv	98
49) Bromoform	13.04	173	1639860	11.032	ppbv	97
50) 4-Methyl-2-Pentanone	8.74	43	2120981	10.429	ppbv	100
51) 2-Hexanone	10.14	43	987808	10.323	ppbv #	97
52) Tetrachloroethene	11.22	164	1202649	8.646	ppbv	95
53) Toluene	9.81	91	3803333	10.089	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1889507	10.211	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	1449906	8.250	ppbv	96
57) Chlorobenzene	12.15	112	2689145	7.516	ppbv	98
58) Ethyl Benzene	12.71	91	4900622	8.183	ppbv	100
59) m/p-Xylene	13.00	91	4915962	9.345	ppbv #	52
60) o-Xylene	13.69	91	3812477	7.801	ppbv	100
61) Styrene	13.52	104	2078753	8.419	ppbv	99
62) Isopropylbenzene	14.67	105	5460608	7.813	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2770809	7.518	ppbv	100
64) n-propylbenzene	15.56	120	1455870	8.278	ppbv	92
65) tert-Butylbenzene	16.74	119	4848913	7.694	ppbv	99
66) Benzyl Chloride	16.98	91	197208	6.838	ppbv #	98
67) sec-Butylbenzene	17.29	105	6726404	7.843	ppbv	100
69) p-Isopropyltoluene	17.65	119	5634790	8.006	ppbv	100
70) n-Butylbenzene	18.55	91	5460261	8.346	ppbv	100
71) 2-Chlorotoluene	15.45	91	3907441	7.904	ppbv	100
72) 4-Ethyltoluene	15.84	105	4621609	8.147	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4209079	7.848	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	4409399	8.031	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2612092	7.774	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2533206	7.604	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2472353	7.647	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1946005	7.431	ppbv	99
79) Naphthalene	22.19	128	3161145	10.593	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	769067	12.202	ppbv	97
81) 1,2,4-Trichlorobenzene	21.92	180	852924	4.207	ppbv #	1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL037452.D

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ClientSampleId :

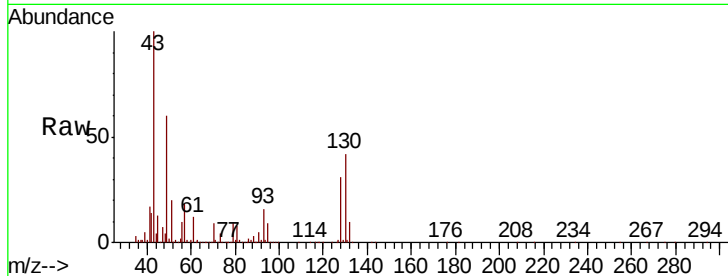
Tot Ion: 49 Resp: 1273950

Ion Ratio Lower Upper

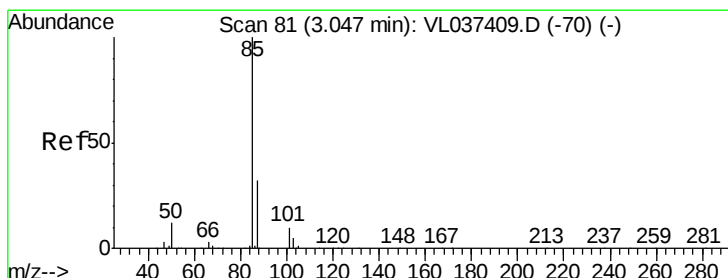
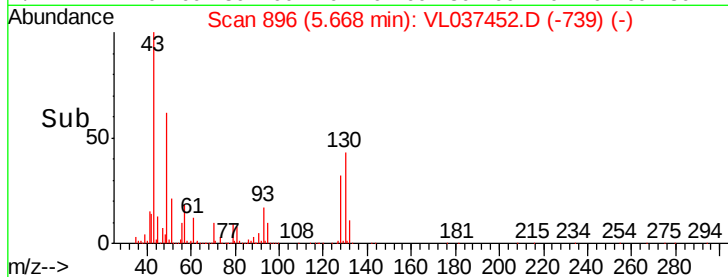
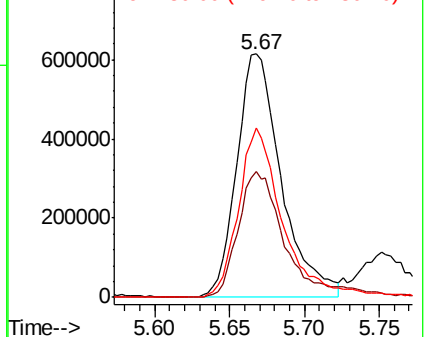
49 100

128 56.3 27.9 83.6

130 70.3 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: 10.242 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037452.D

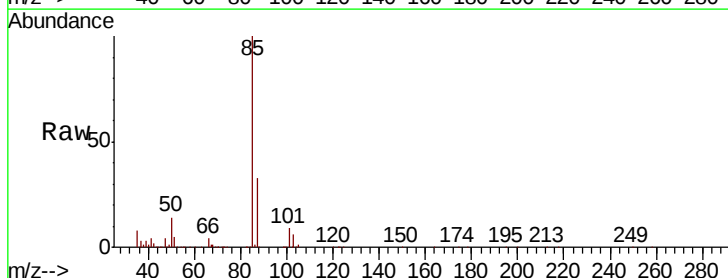
Acq: 13 Aug 2021 17:05

Tgt Ion: 85 Resp: 1993478

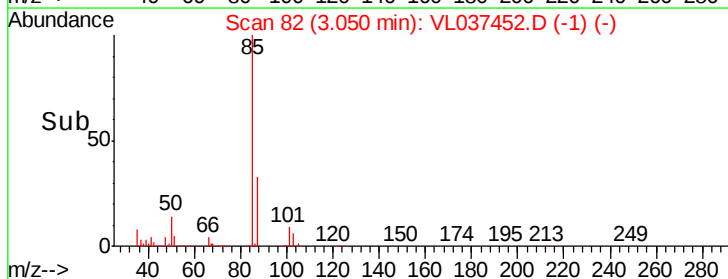
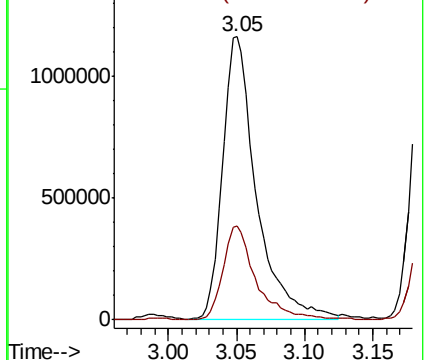
Ion Ratio Lower Upper

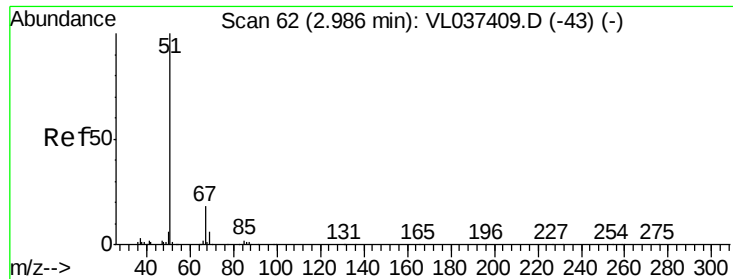
85 100

87 33.3 25.7 38.5



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

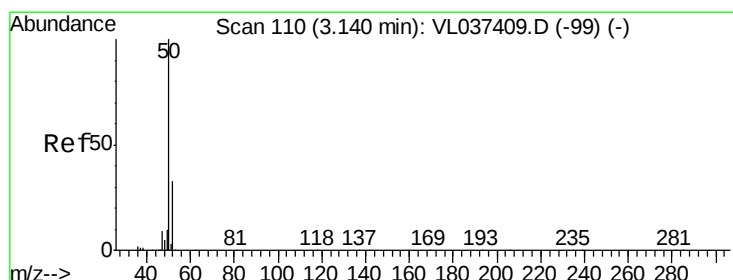
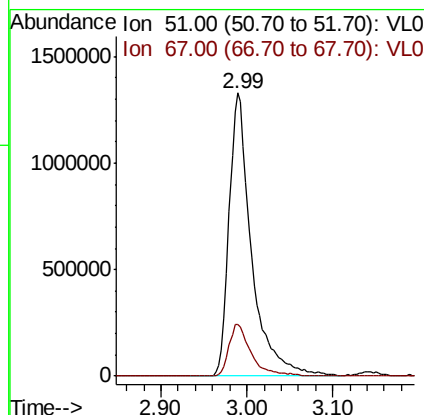
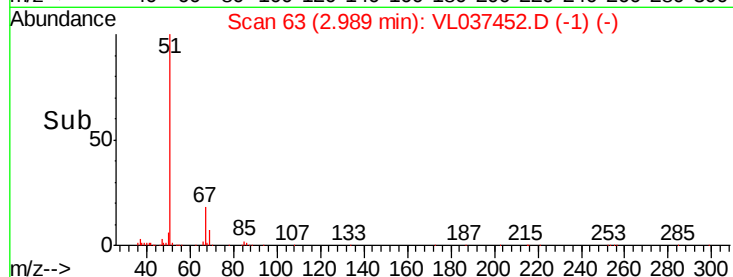
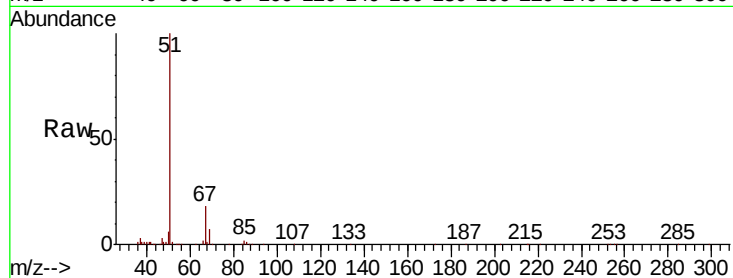




#3
 Chlorodifluoromethane
 Concen: 9.653 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. 0.00 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

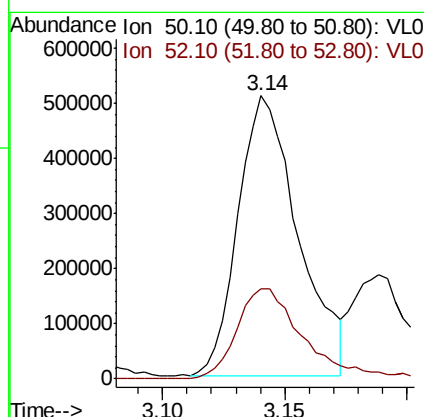
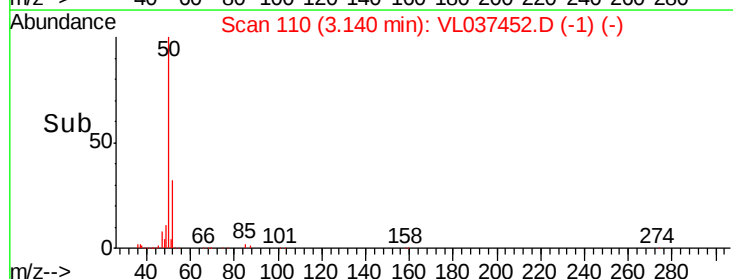
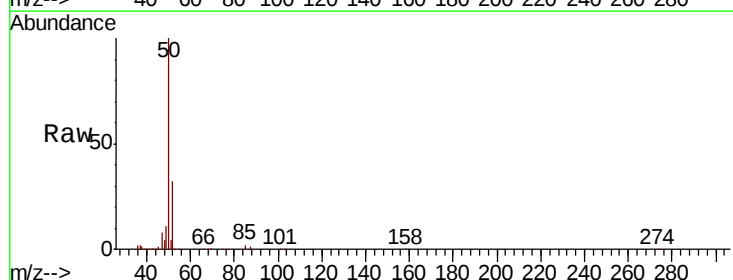
Instrument :
 MSVOA_L
 ClientSampled :

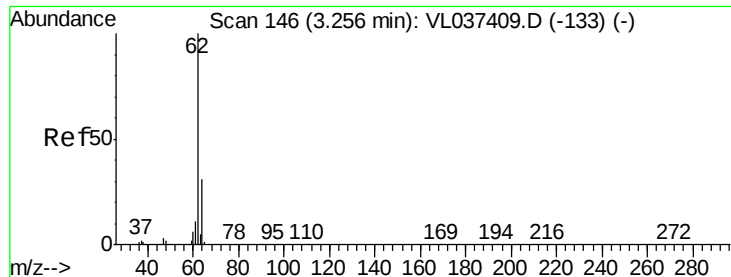
Tot Ion: 51 Resp: 2414915
 Ion Ratio Lower Upper
 51 100
 67 18.7 14.7 22.1



#4
 Chloromethane
 Concen: 9.641 ppbv
 RT: 3.14 min Scan# 110
 Delta R.T. 0.00 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Tgt Ion: 50 Resp: 866952
 Ion Ratio Lower Upper
 50 100
 52 32.0 26.2 39.4





#5

Vinyl Chloride

Concen: 9.167 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

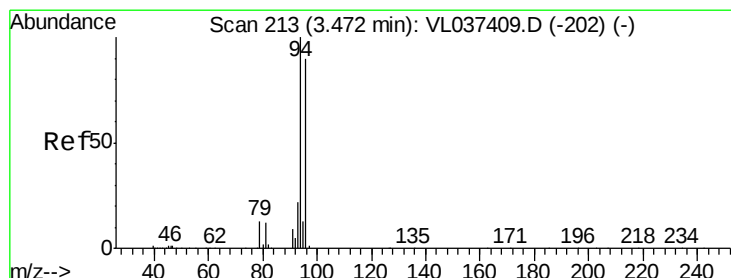
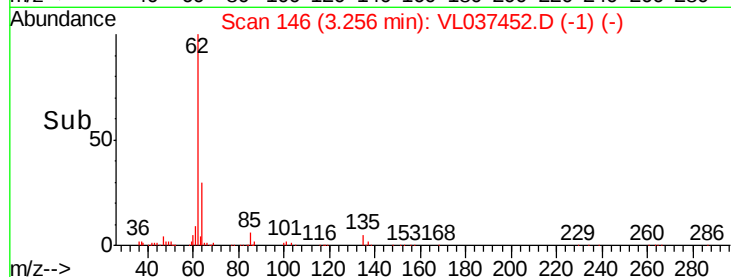
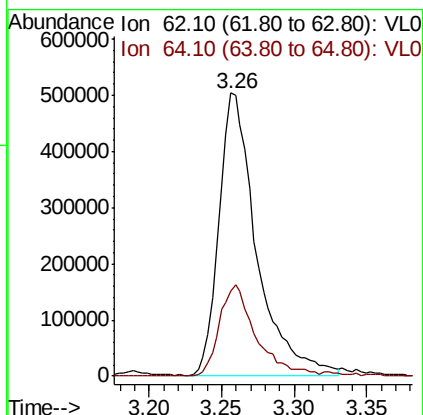
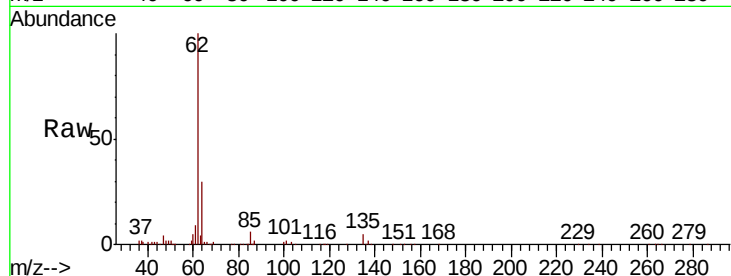
ClientSampleId :

Tot Ion: 62 Resp: 908239

Ion Ratio Lower Upper

62 100

64 30.1 25.0 37.6



#6

Bromomethane

Concen: 8.648 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL037452.D

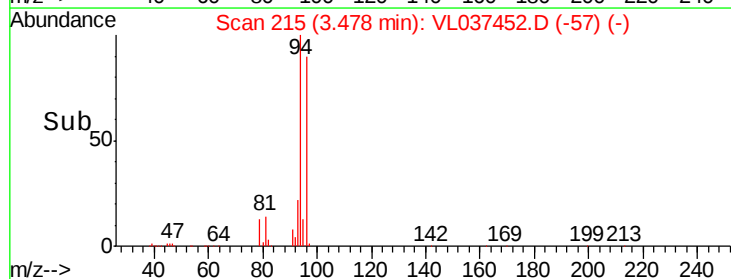
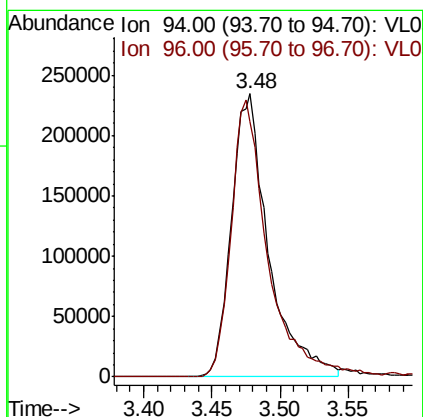
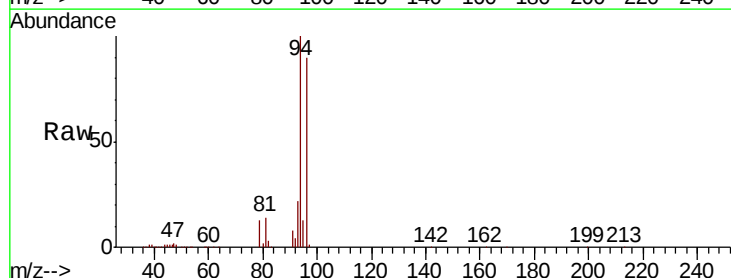
Acq: 13 Aug 2021 17:05

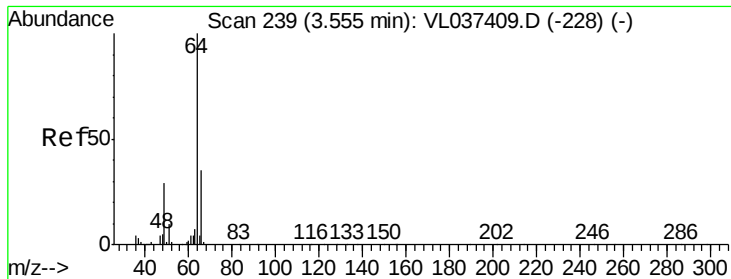
Tgt Ion: 94 Resp: 444345

Ion Ratio Lower Upper

94 100

96 89.7 72.2 108.4





#7

Chloroethane

Concen: 9.882 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

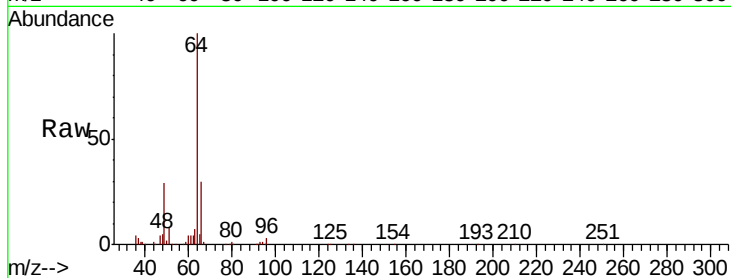
ClientSampleId :

Tot Ion: 64 Resp: 323305

Ion Ratio Lower Upper

64 100

66 29.7 27.8 41.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

200000

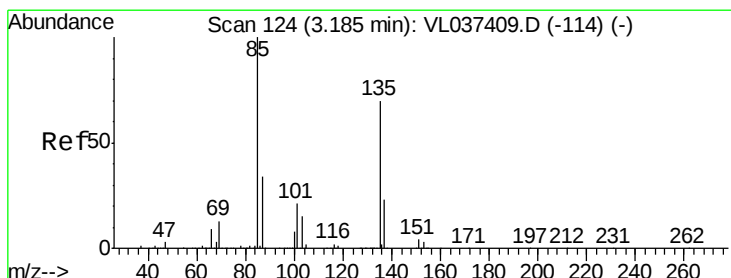
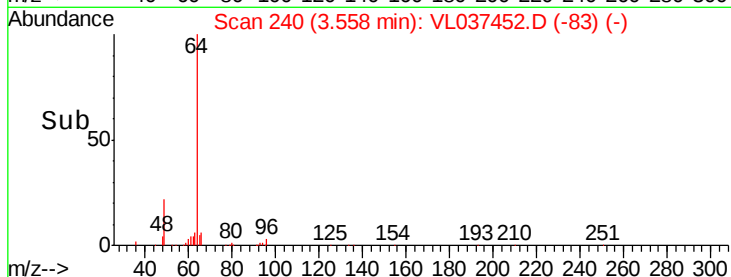
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.026 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL037452.D

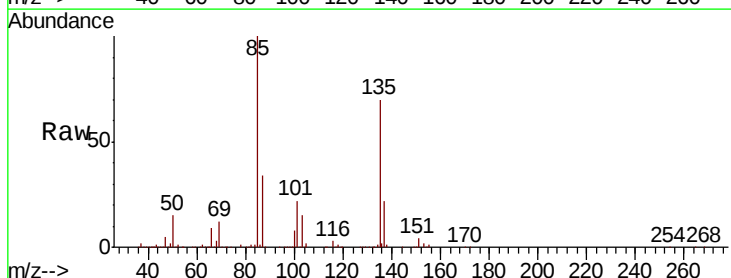
Acq: 13 Aug 2021 17:05

Tgt Ion: 85 Resp: 2177979

Ion Ratio Lower Upper

85 100

135 72.3 58.6 88.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

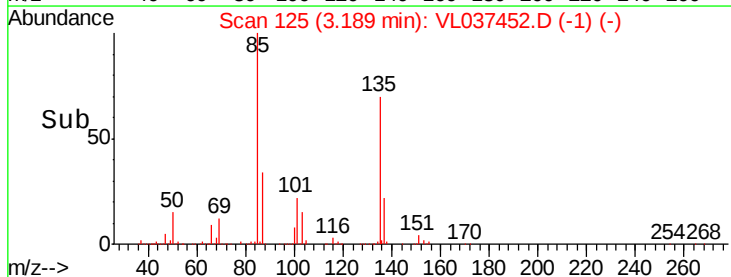
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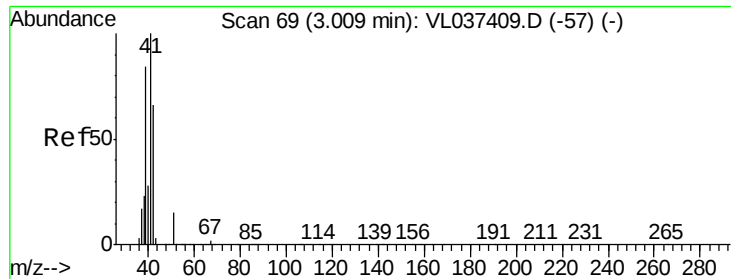
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Time-->





#9

Propene

Concen: 9.559 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

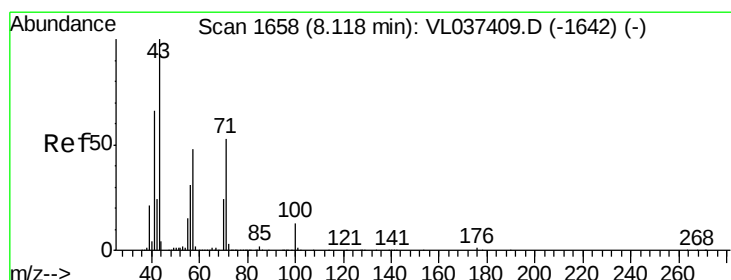
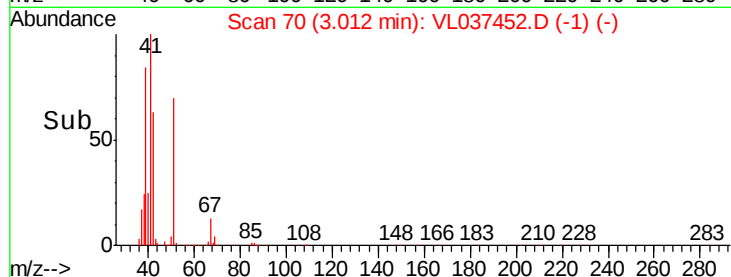
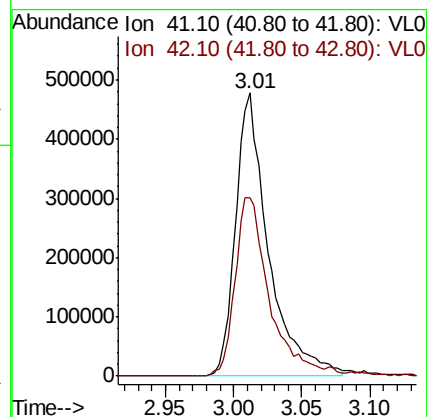
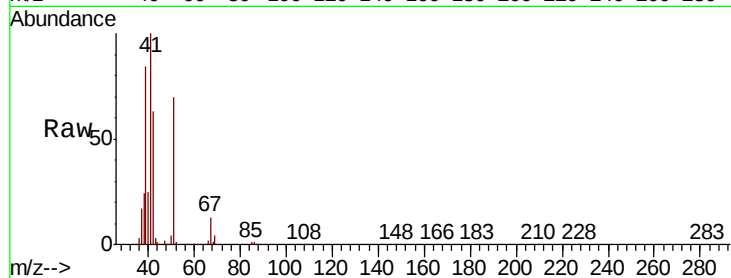
ClientSampleId :

Tot Ion: 41 Resp: 803047

Ion Ratio Lower Upper

41 100

42 67.7 53.8 80.8



#10

Heptane

Concen: 10.115 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VL037452.D

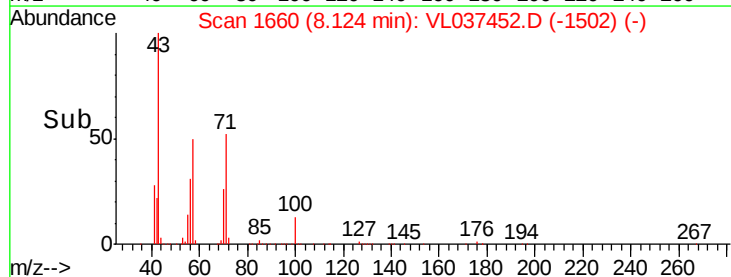
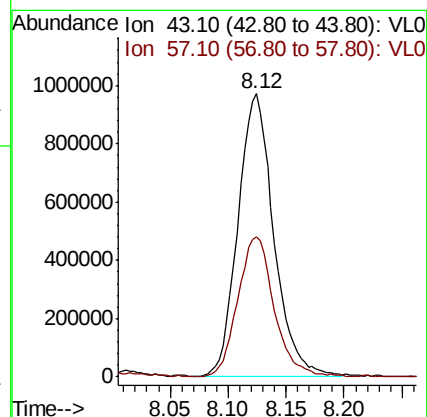
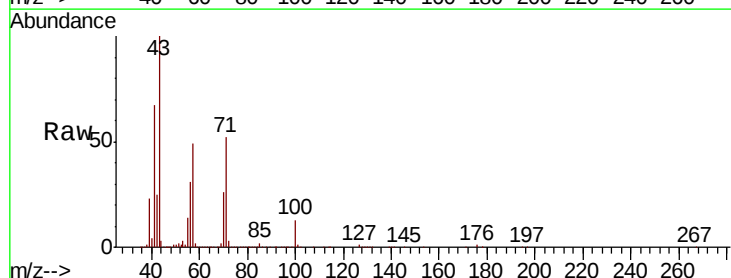
Acq: 13 Aug 2021 17:05

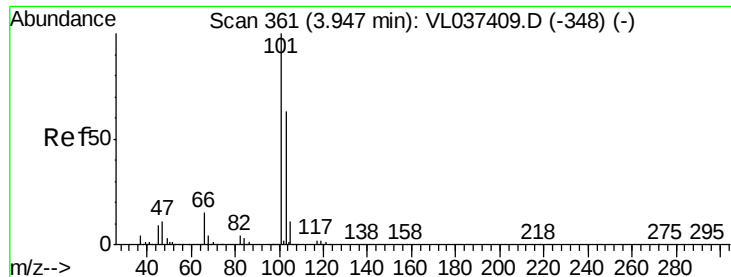
Tgt Ion: 43 Resp: 2066360

Ion Ratio Lower Upper

43 100

57 50.6 40.3 60.5

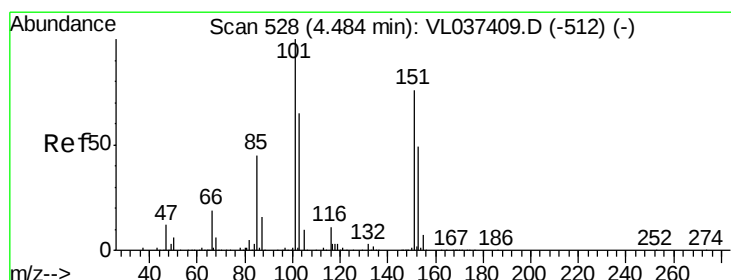
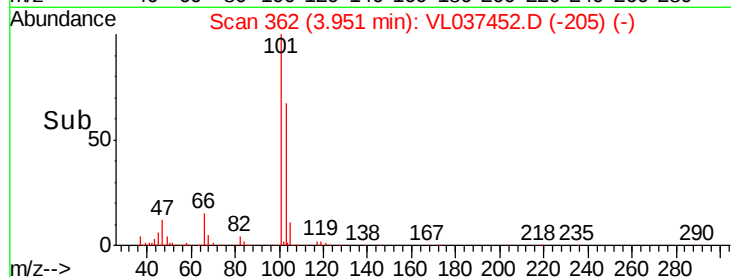
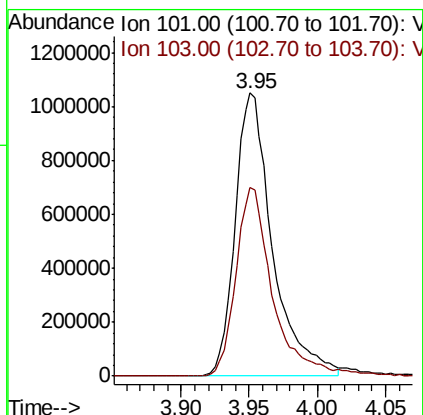
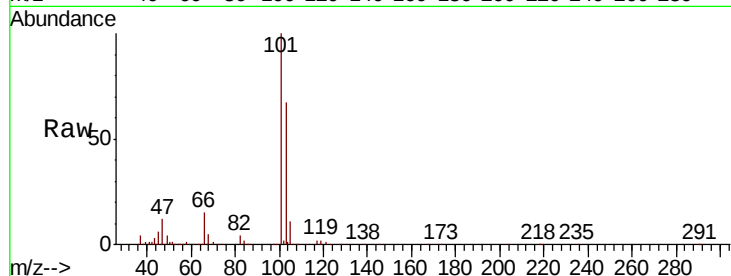




#11
 Trichlorofluoromethane
 Concen: 9.482 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

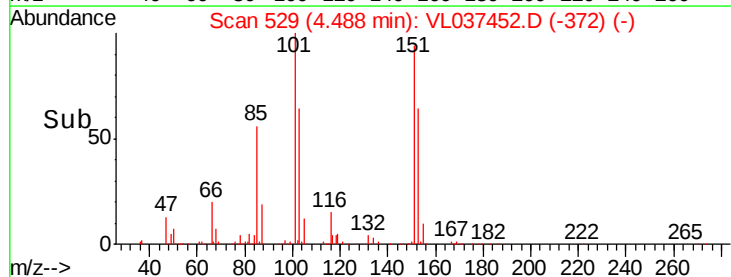
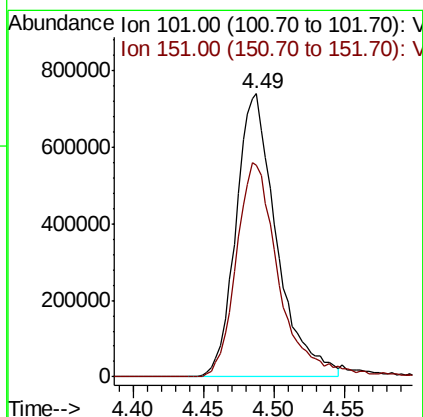
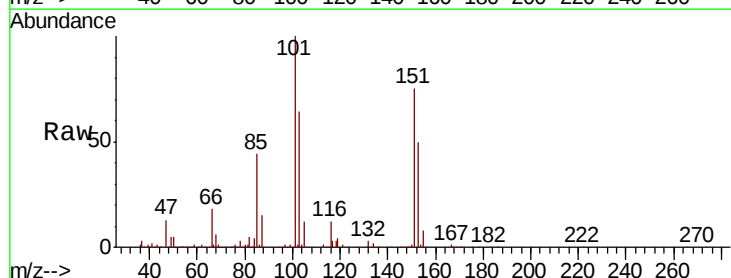
Instrument :
 MSVOA_L
 ClientSampleId :

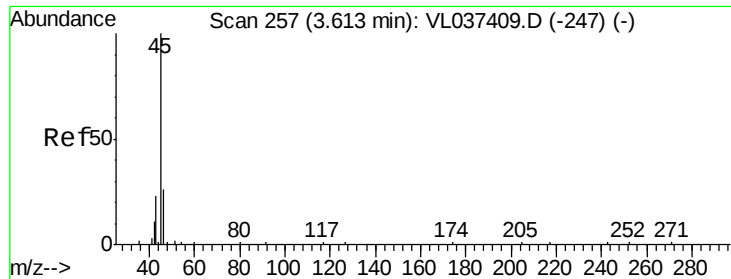
Tot Ion:101 Resp: 1996880
 Ion Ratio Lower Upper
 101 100
 103 66.7 50.2 75.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.129 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Tgt Ion:101 Resp: 1494390
 Ion Ratio Lower Upper
 101 100
 151 80.2 61.2 91.8

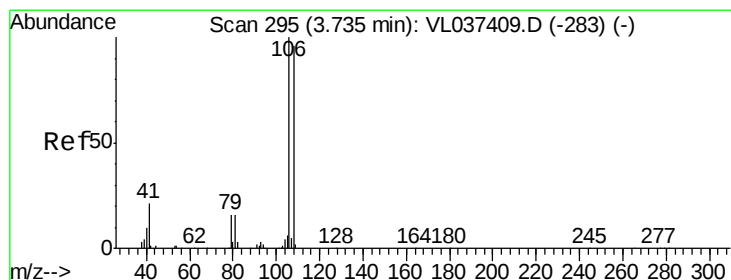
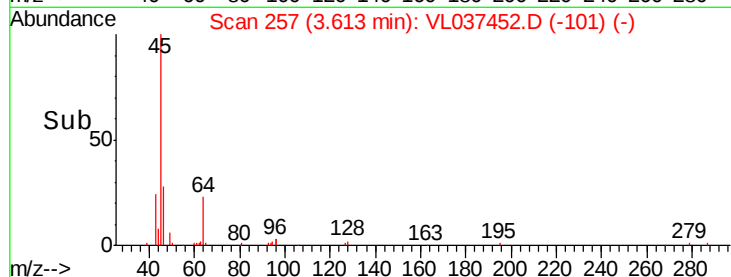
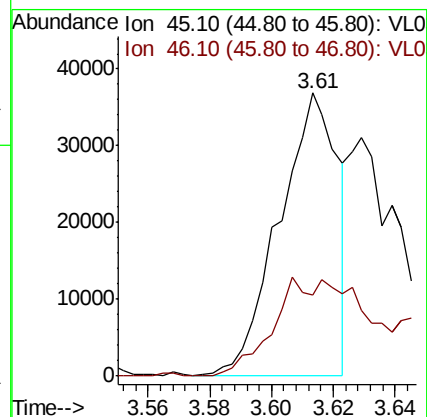
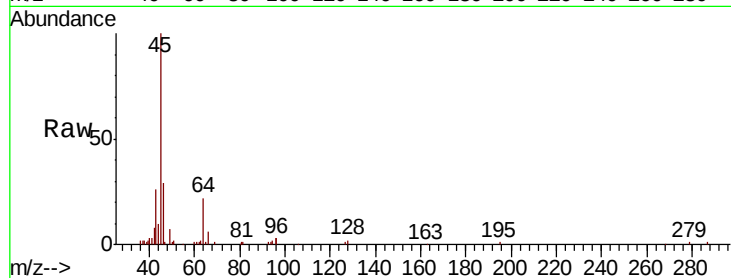




#13
Ethanol
Concen: 5.435 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

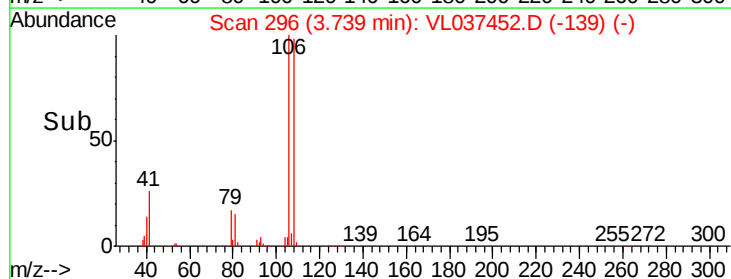
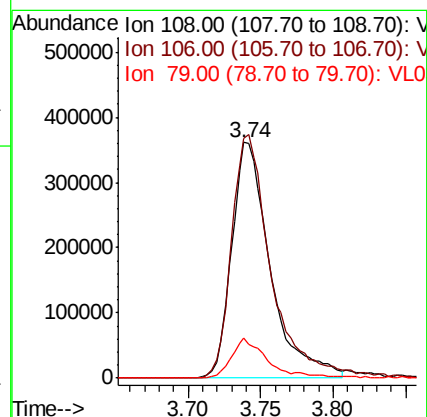
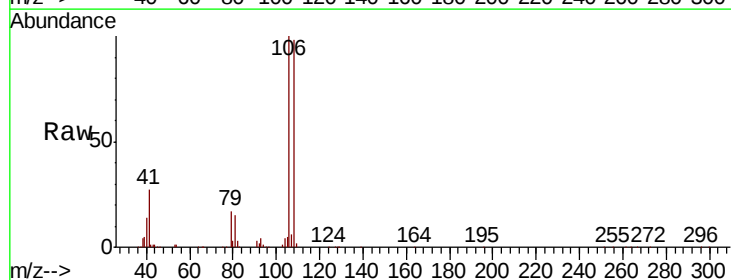
Instrument :
MSVOA_L
ClientSampleId :

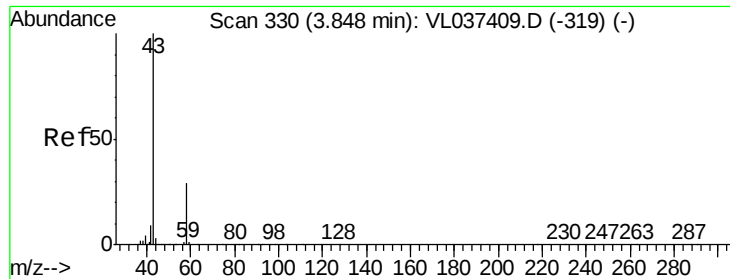
Tot Ion: 45 Resp: 48723
Ion Ratio Lower Upper
45 100
46 79.2 18.0 72.2#



#14
Bromoethene
Concen: 10.225 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion: 108 Resp: 670985
Ion Ratio Lower Upper
108 100
106 107.0 87.5 131.3
79 16.3 13.5 20.3

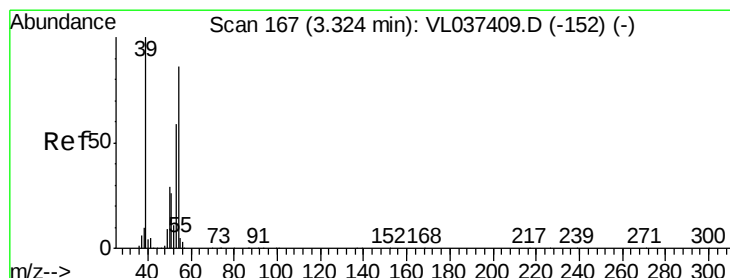
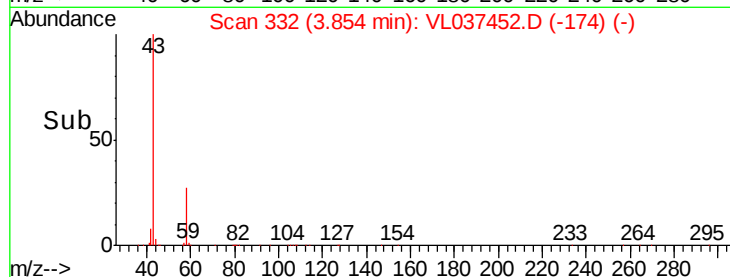
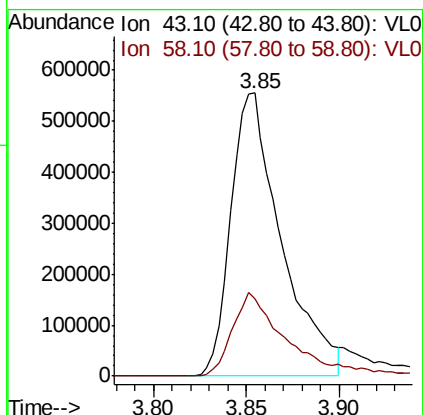
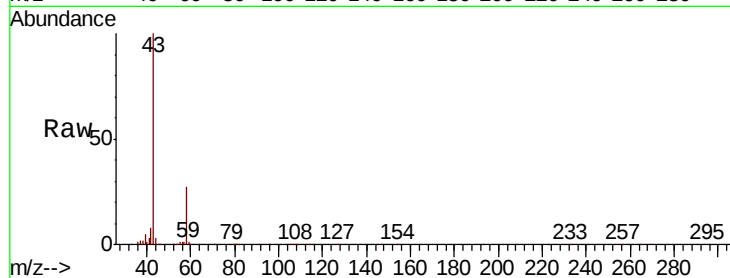




#15
Acetone
Concen: 7.732 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

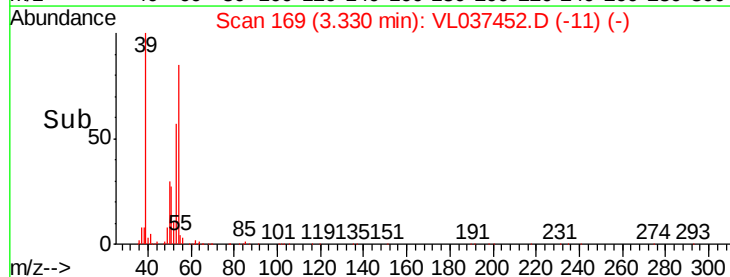
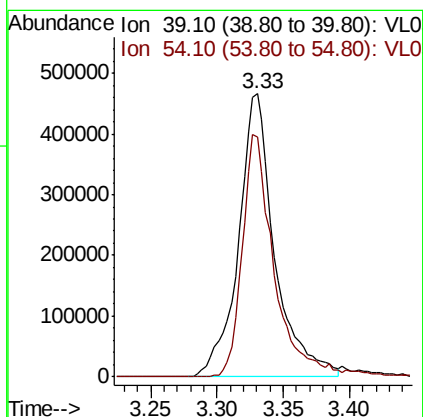
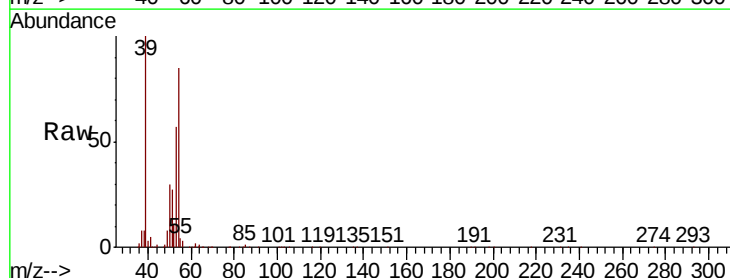
Instrument :
MSVOA_L
ClientSampleId :

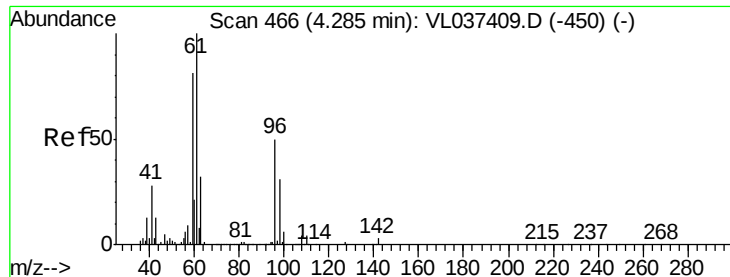
Tot Ion: 43 Resp: 1044598
Ion Ratio Lower Upper
43 100
58 32.2 24.4 36.6



#16
1,3-Butadiene
Concen: 9.692 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion: 39 Resp: 878849
Ion Ratio Lower Upper
39 100
54 77.6 61.4 92.0



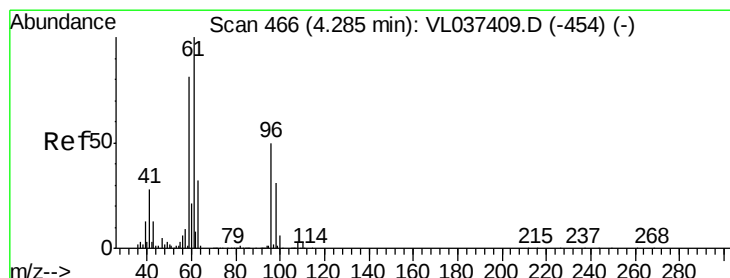
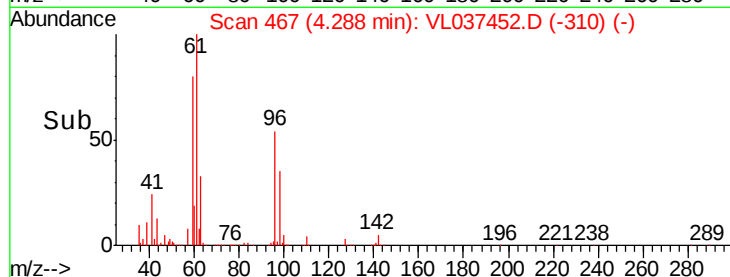
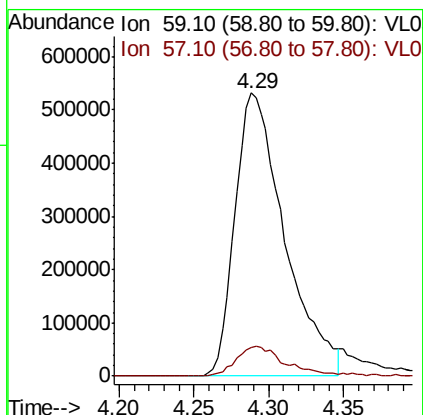
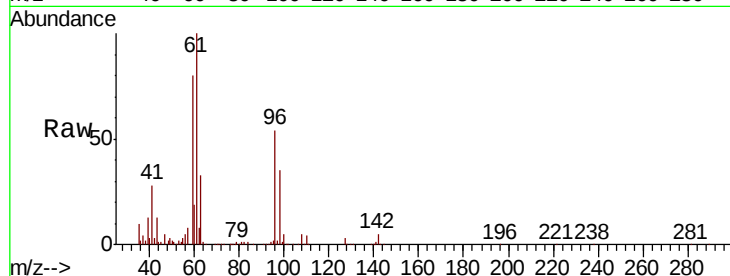


#17

tert-Butyl alcohol
Concen: 9.531 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Instrument :
MSVOA_L
ClientSampled :

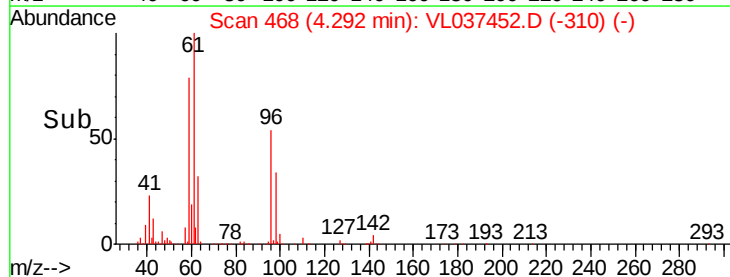
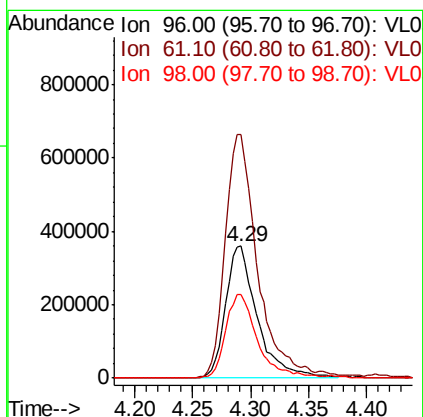
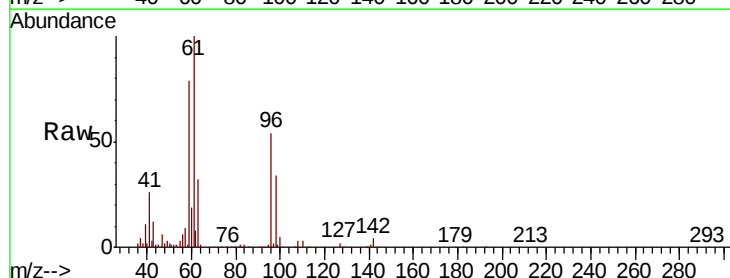
Tot Ion: 59 Resp: 1229116
Ion Ratio Lower Upper
59 100
57 10.7 8.5 12.7

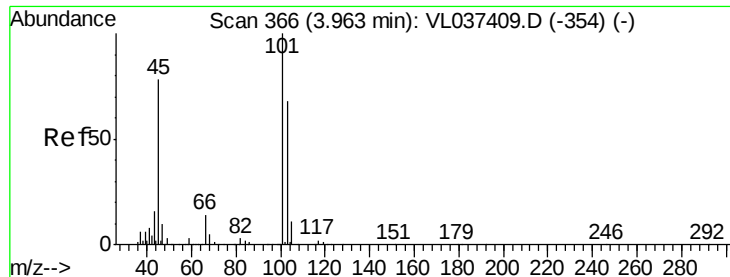


#18

1,1-Dichloroethene
Concen: 9.912 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion: 96 Resp: 678913
Ion Ratio Lower Upper
96 100
61 184.1 159.0 238.4
98 63.0 49.4 74.2





#19

Isopropyl Alcohol

Concen: 8.656 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

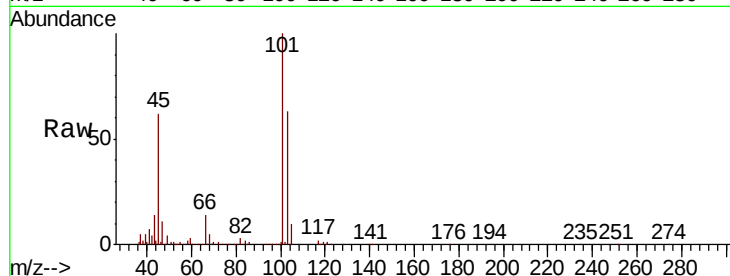
ClientSampleId :

Tot Ion: 45 Resp: 680567

Ion Ratio Lower Upper

45 100

58 3.1 2.2 3.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

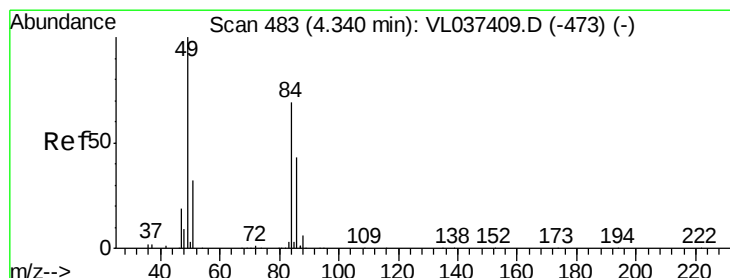
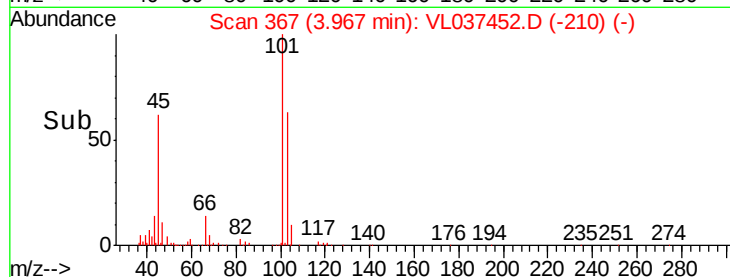
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.405 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Tgt Ion: 84 Resp: 600463

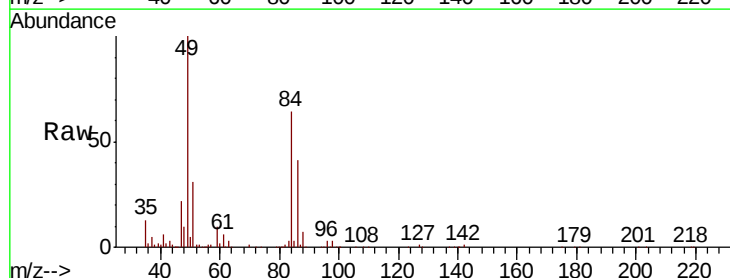
Ion Ratio Lower Upper

84 100

49 155.1 116.0 174.0

51 46.3 37.1 55.7

86 65.3 49.4 74.0



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

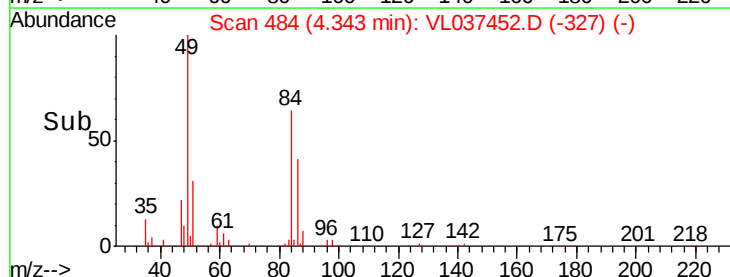
600000

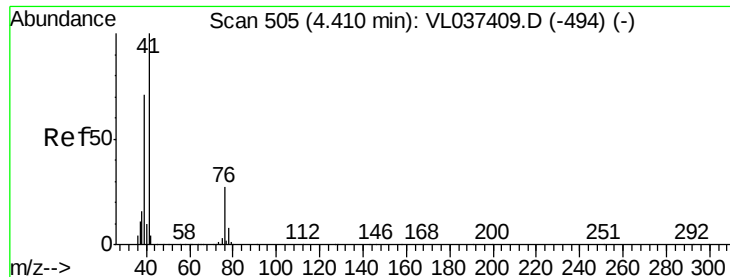
400000

200000

0

Time-->

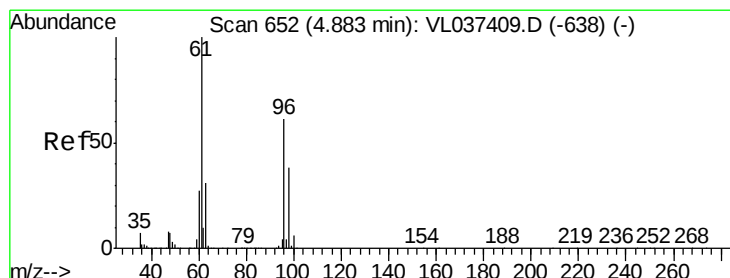
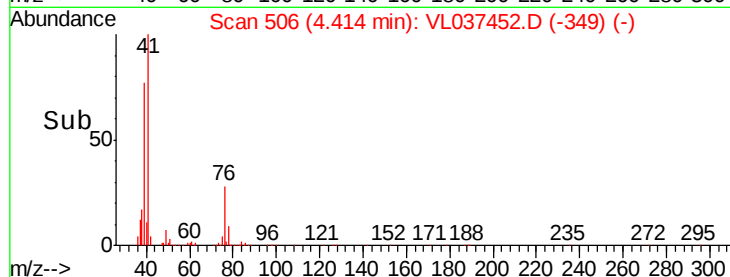
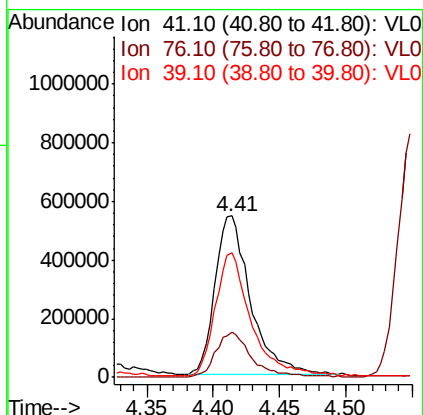
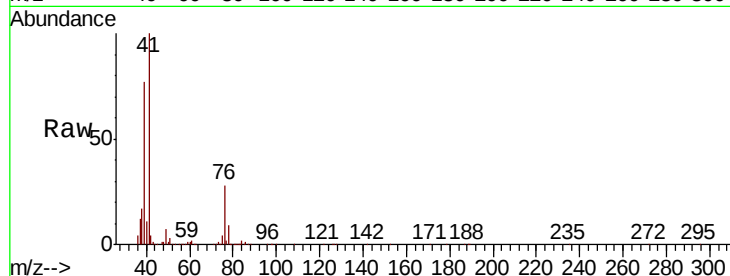




#21
Allvl Chloride
Concen: 9.525 ppbv
RT: 4.41 min Scan# 506
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

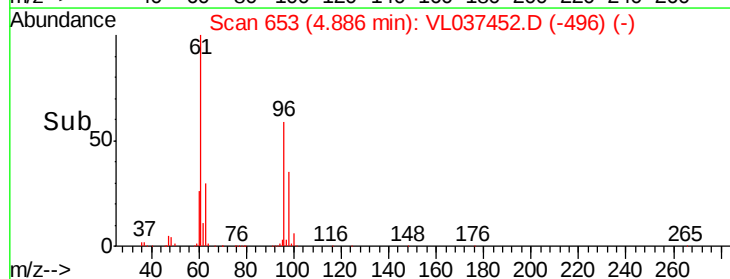
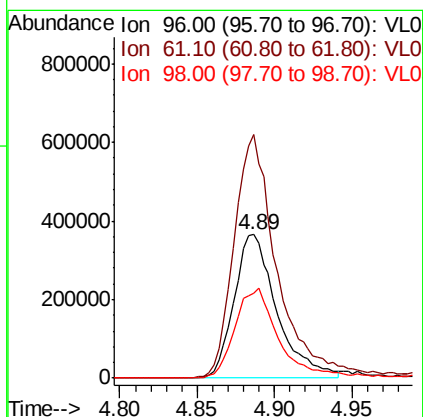
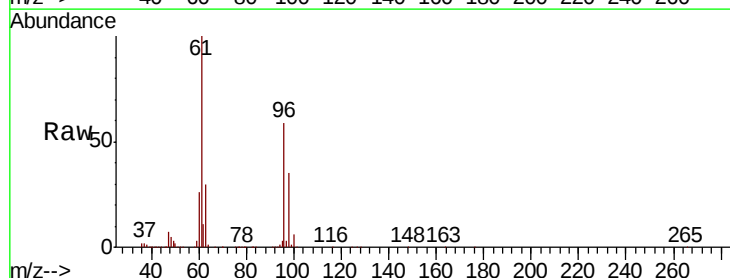
Instrument :
MSVOA_L
ClientSampled :

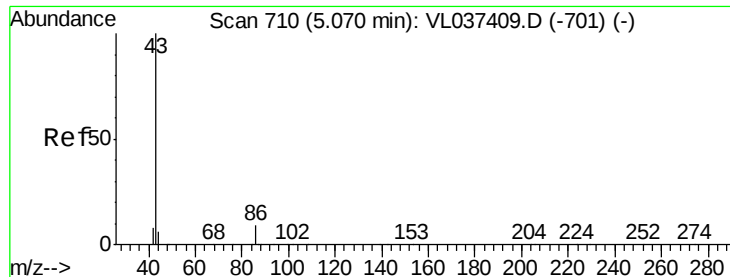
Tot Ion: 41 Resp: 1008359
Ion Ratio Lower Upper
41 100
76 29.0 23.7 35.5
39 79.6 62.3 93.5



#22
trans-1,2-Dichloroethene
Concen: 10.942 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion: 96 Resp: 703041
Ion Ratio Lower Upper
96 100
61 169.7 131.0 196.4
98 59.4 50.2 75.4



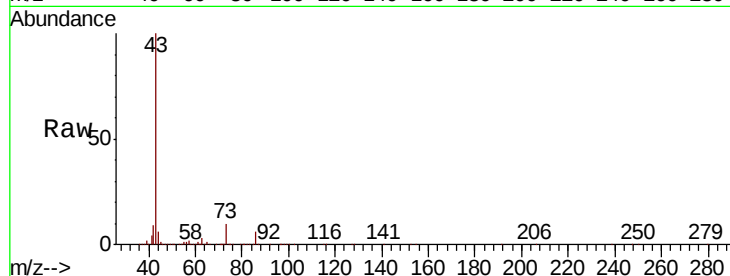


#23
 Vinyl Acetate
 Concen: 7.948 ppbv
 RT: 5.07 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

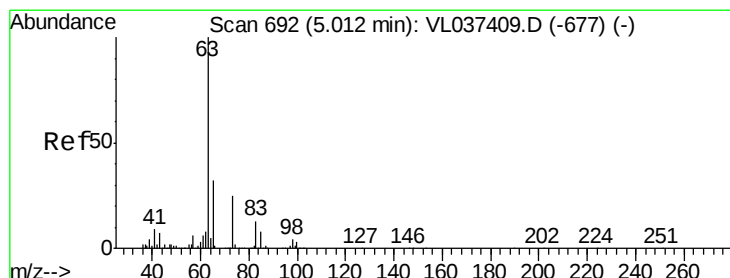
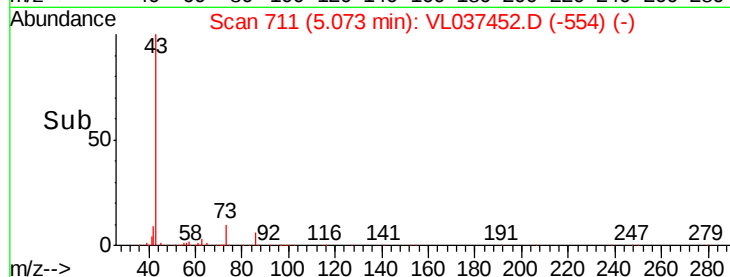
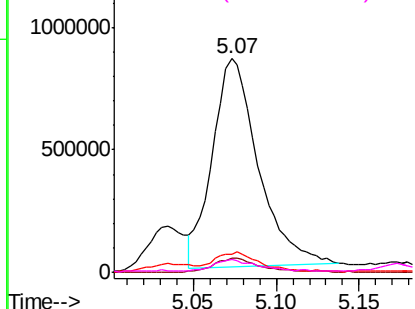
Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 43 Resp: 1647733

Ion	Ratio	Lower	Upper
43	100		
86	6.5	5.8	8.8
42	8.5	7.7	11.5
44	5.6	4.0	6.0



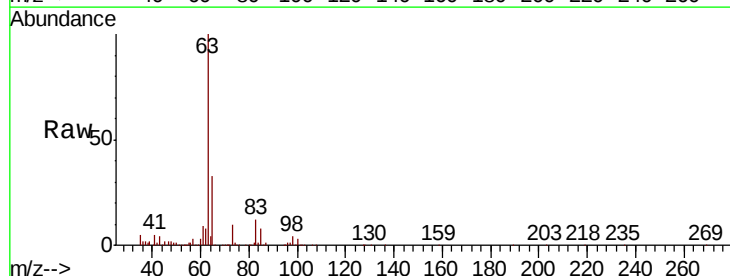
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



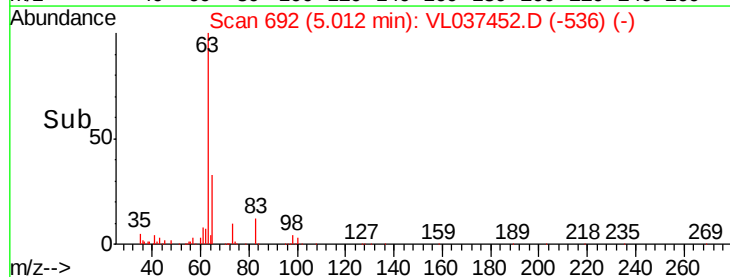
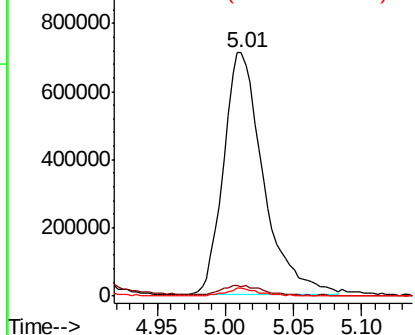
#24
 1,1-Dichloroethane
 Concen: 9.005 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

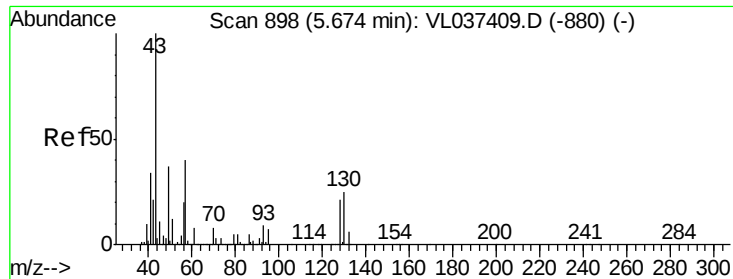
Tgt Ion: 63 Resp: 1449953

Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.1	6.3
100	3.3	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



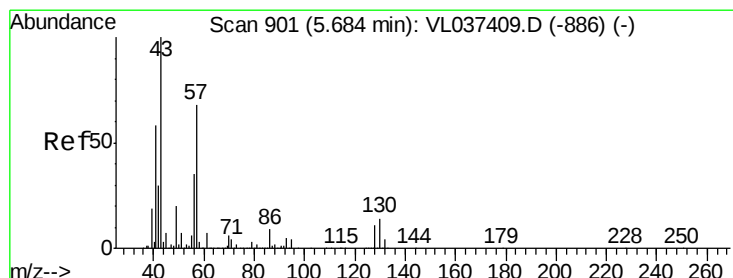
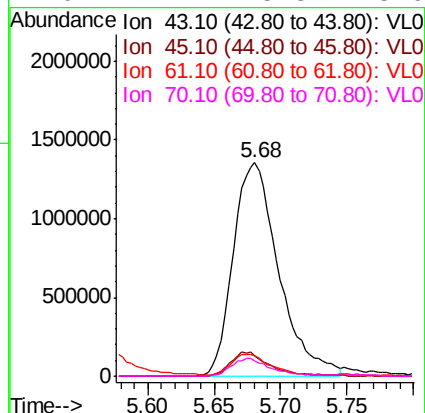
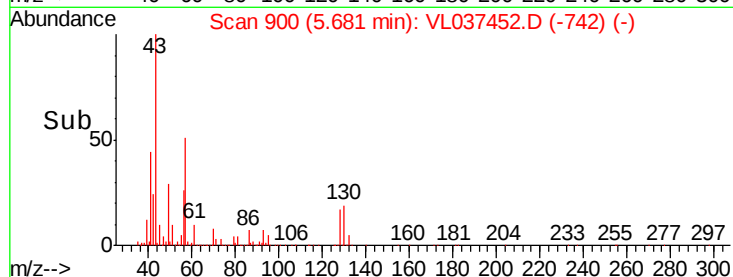
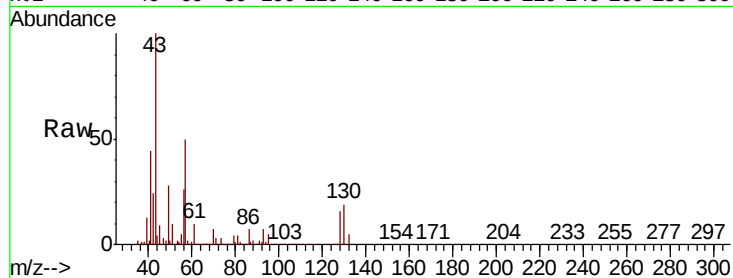


#25
Ethyl Acetate
Concen: 10.018 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3225573

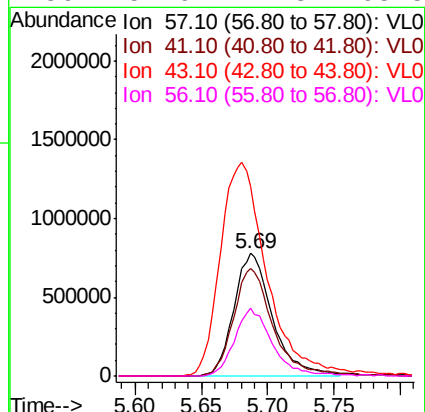
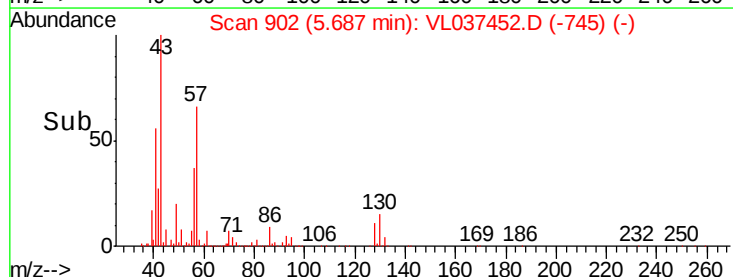
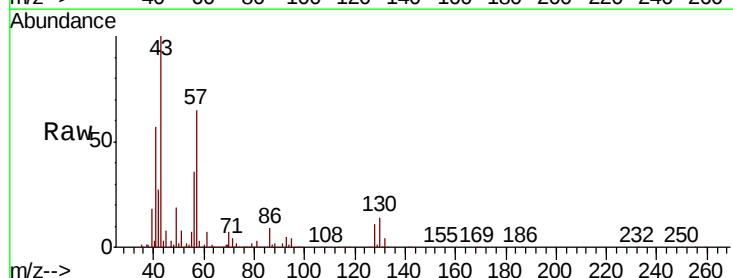
Ion	Ratio	Lower	Upper
43	100		
45	10.3	7.9	11.9
61	9.9	7.7	11.5
70	7.4	5.8	8.6

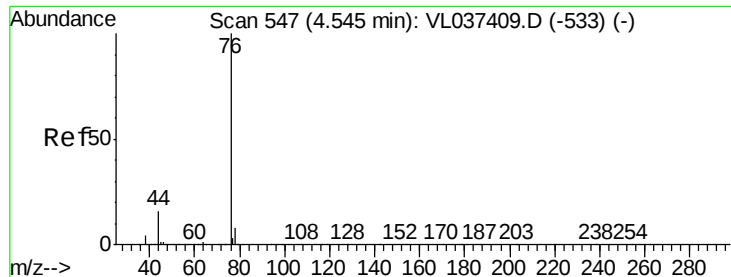


#26
Hexane
Concen: 9.445 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion: 57 Resp: 1569498

Ion	Ratio	Lower	Upper
57	100		
41	90.8	72.5	108.7
43	212.8	169.3	253.9
56	54.6	42.3	63.5





#27

Carbon Disulfide

Concen: 11.927 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.01 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

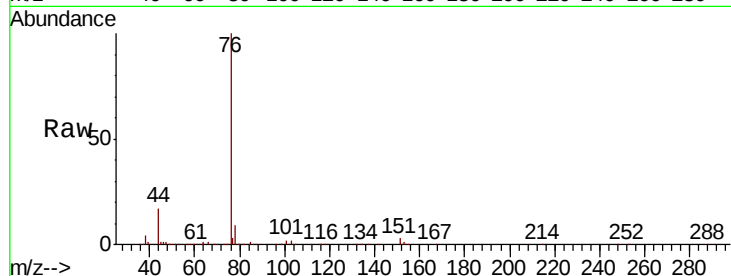
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 76 Resp: 1670847

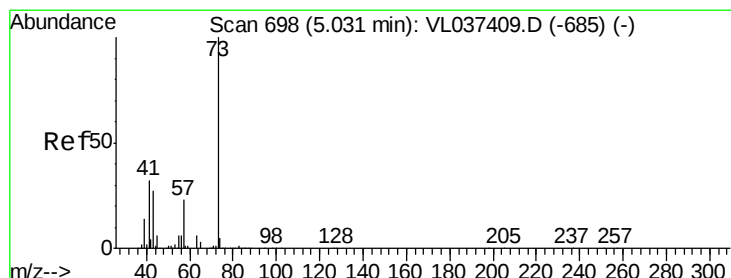
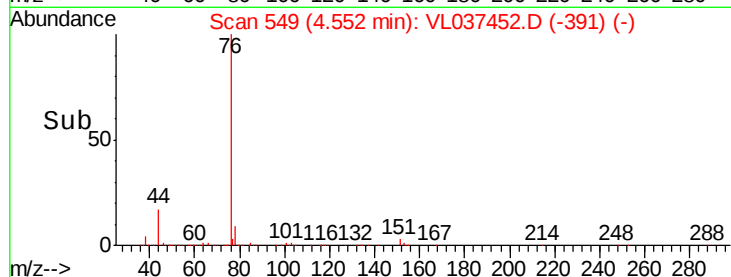
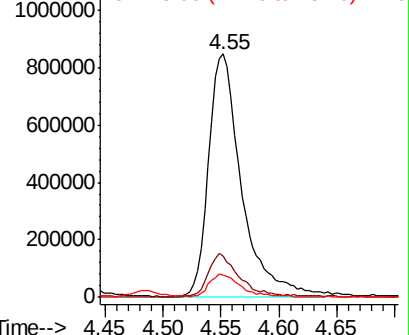
Ion	Ratio	Lower	Upper
76	100		
44	17.4	14.4	21.6
78	9.4	8.0	12.0



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: 8.294 ppbv

RT: 5.03 min Scan# 699

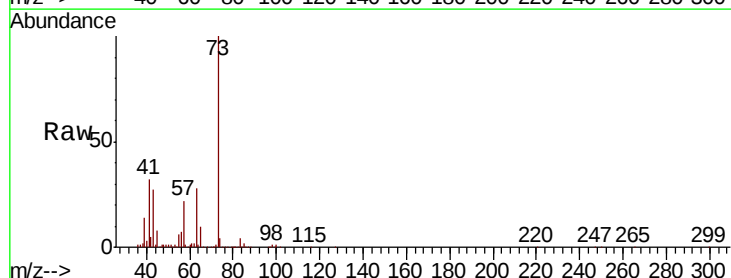
Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

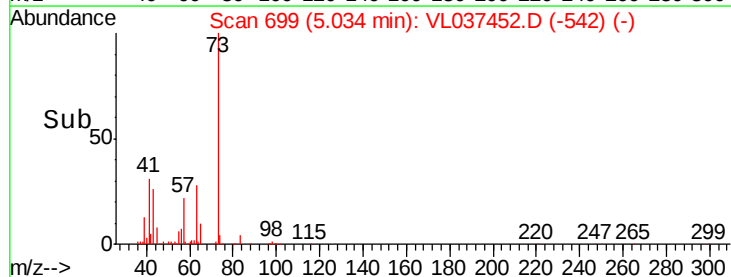
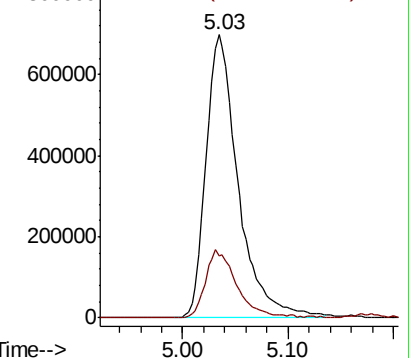
Tgt Ion: 73 Resp: 1474906

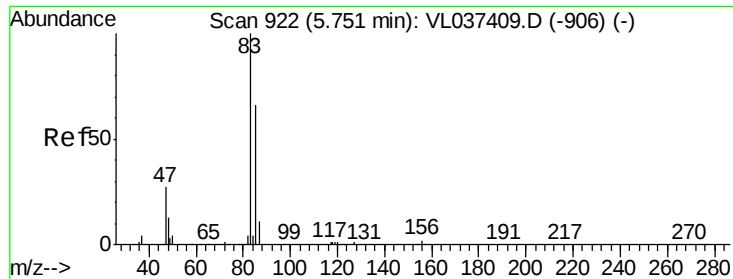
Ion	Ratio	Lower	Upper
73	100		
57	23.7	19.0	28.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

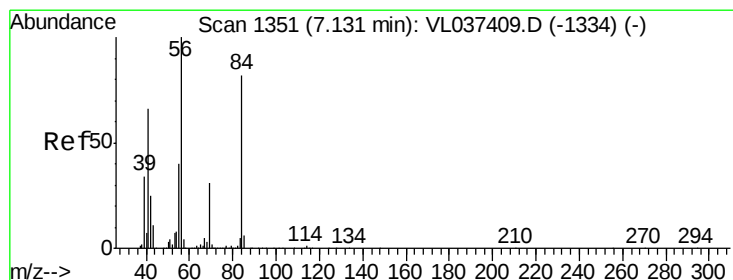
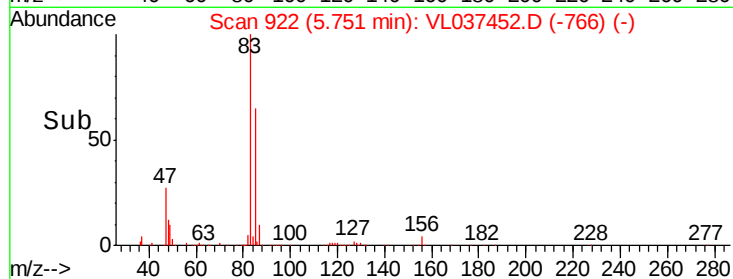
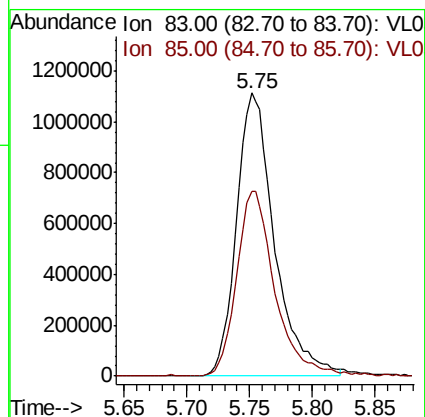
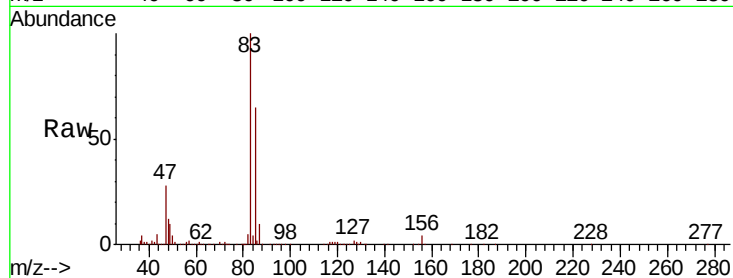




#29
Chloroform
Concen: 10.026 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

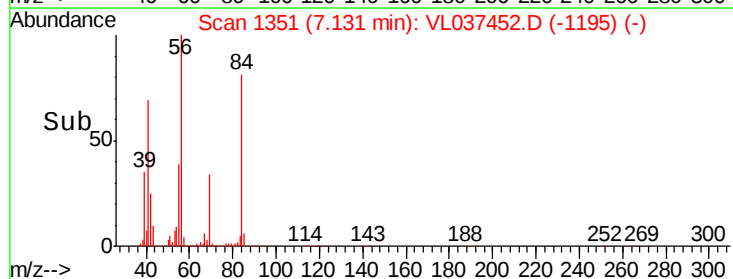
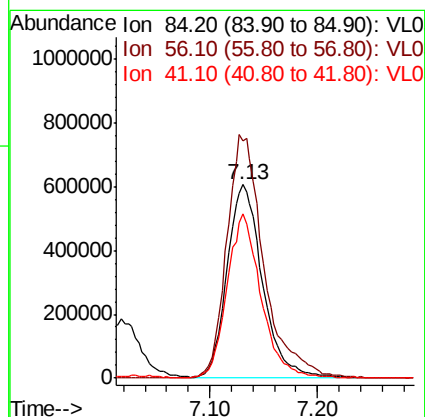
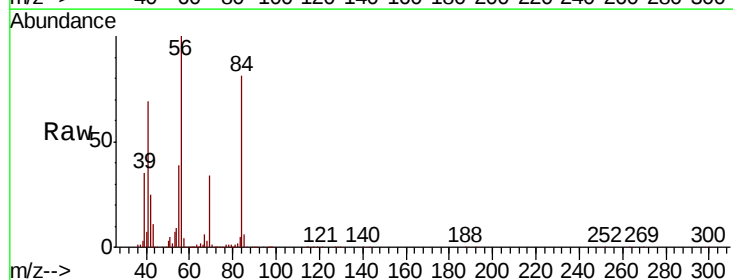
Instrument :
MSVOA_L
ClientSampleId :

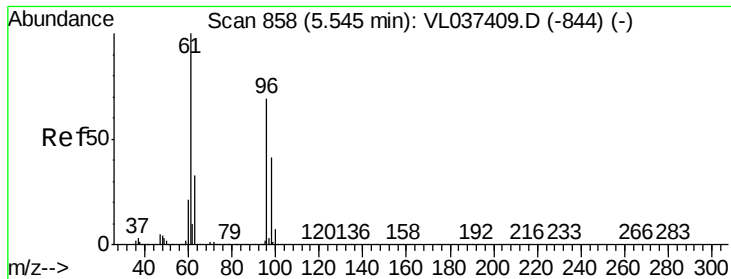
Tot Ion: 83 Resp: 2345560
Ion Ratio Lower Upper
83 100
85 65.3 52.4 78.6



#30
Cyclohexane
Concen: 9.993 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion: 84 Resp: 1367434
Ion Ratio Lower Upper
84 100
56 134.1 109.6 164.4
41 83.0 66.6 99.8



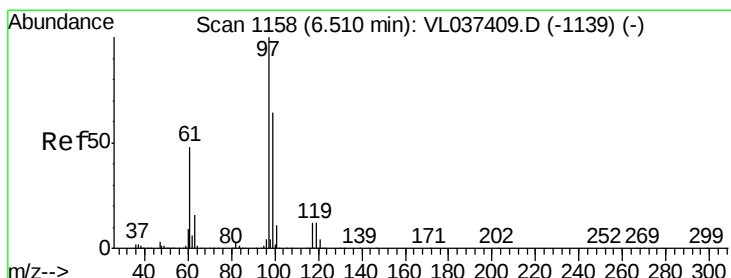
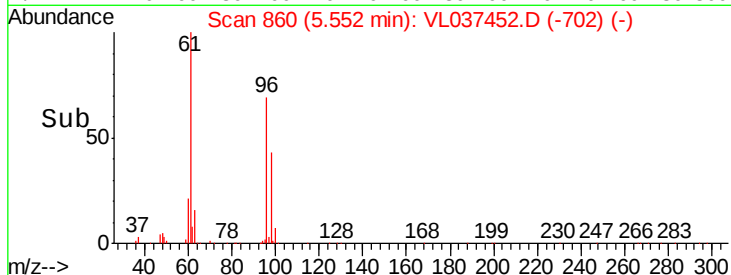
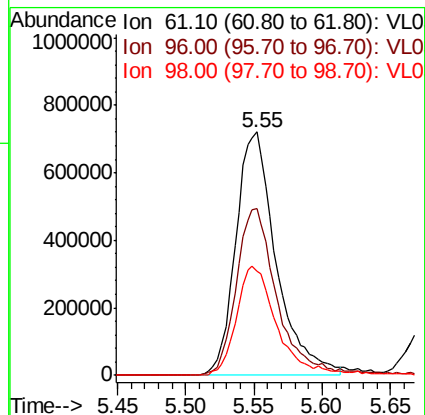
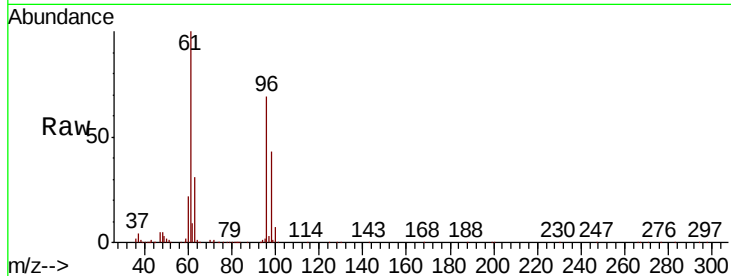


#31

cis-1,2-Dichloroethene
 Concen: 10.296 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Instrument :
 MSVOA_L
 ClientSampleId :

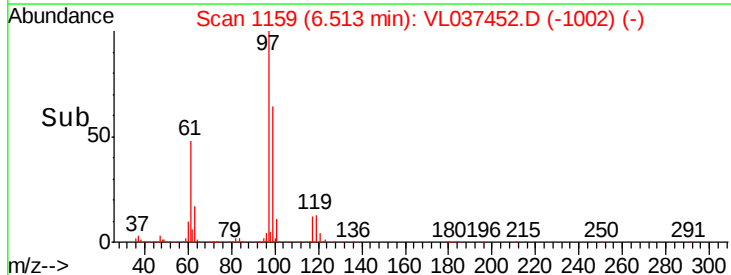
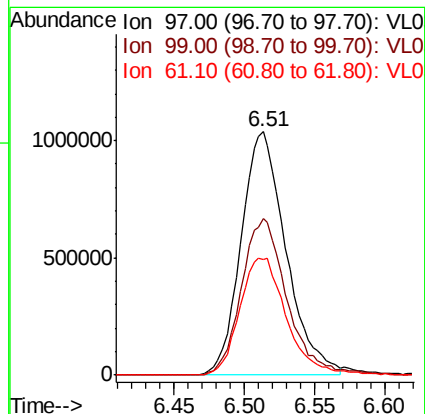
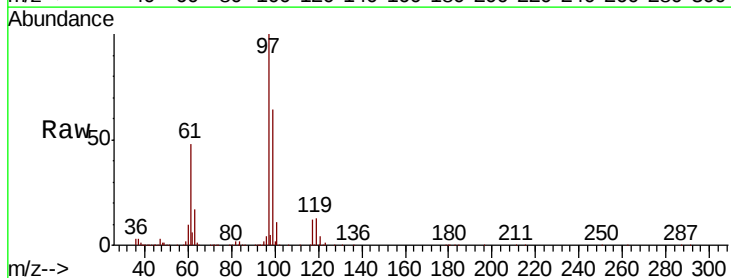
Tot Ion: 61 Resp: 1478739
 Ion Ratio Lower Upper
 61 100
 96 68.8 55.5 83.3
 98 42.7 33.1 49.7

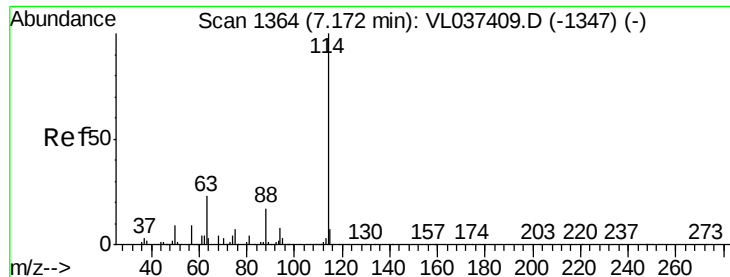


#32

1,1,1-Trichloroethane
 Concen: 9.784 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. 0.00 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Tgt Ion: 97 Resp: 2309967
 Ion Ratio Lower Upper
 97 100
 99 65.8 52.3 78.5
 61 50.5 40.1 60.1

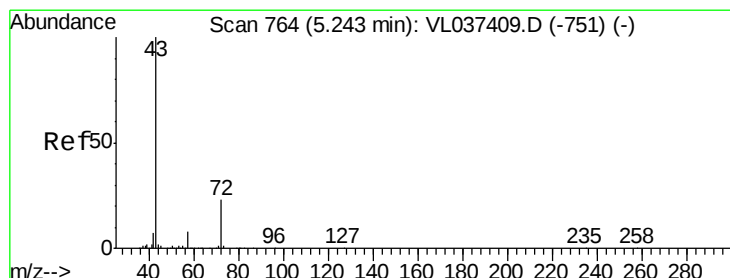
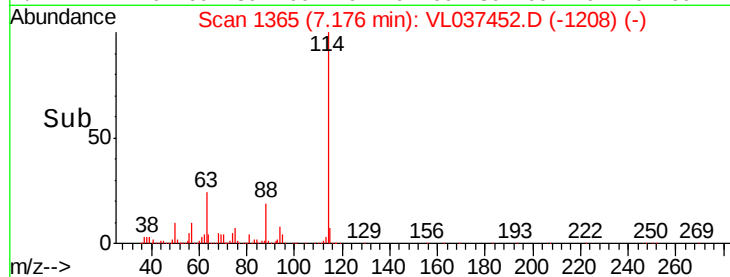
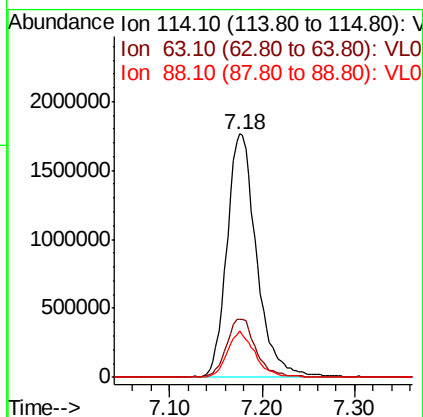
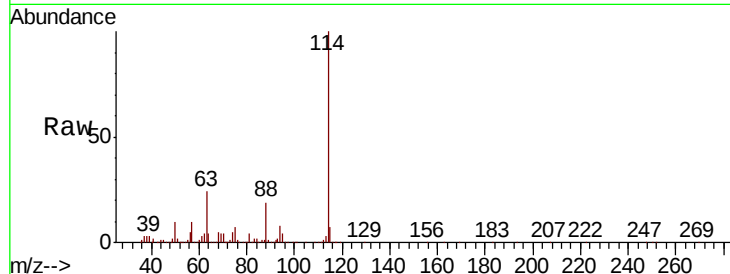




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

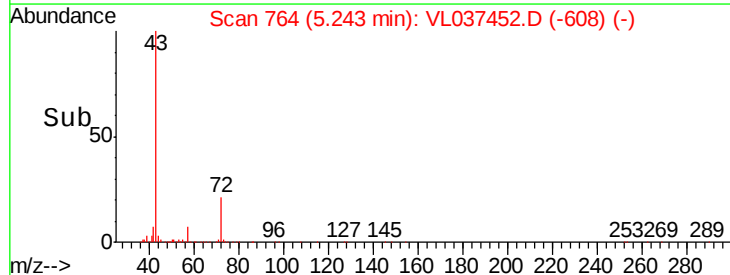
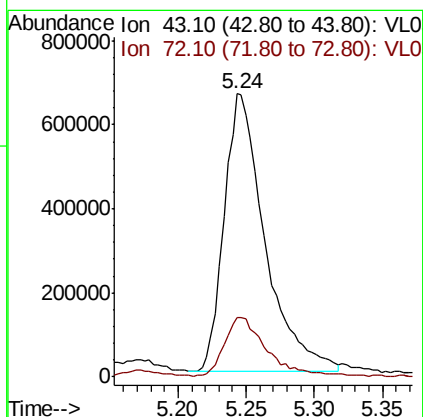
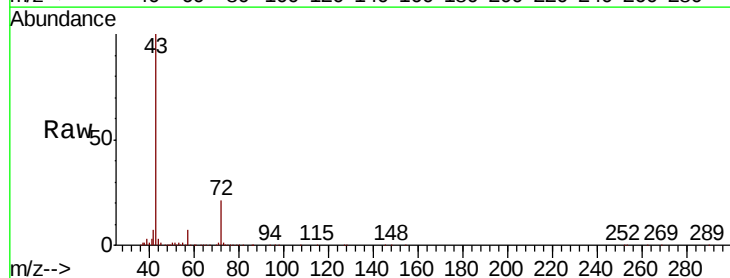
Instrument :
 MSVOA_L
 ClientSampleId :

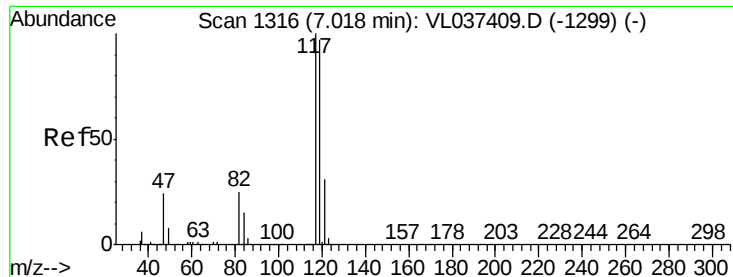
Tot Ion:114 Resp: 3915753
 Ion Ratio Lower Upper
 114 100
 63 24.4 19.4 29.2
 88 17.8 14.2 21.4



#34
 2-Butanone
 Concen: 8.481 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Tgt Ion: 43 Resp: 1371126
 Ion Ratio Lower Upper
 43 100
 72 22.8 17.7 26.5





#35

Carbon Tetrachloride

Concen: 10.121 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

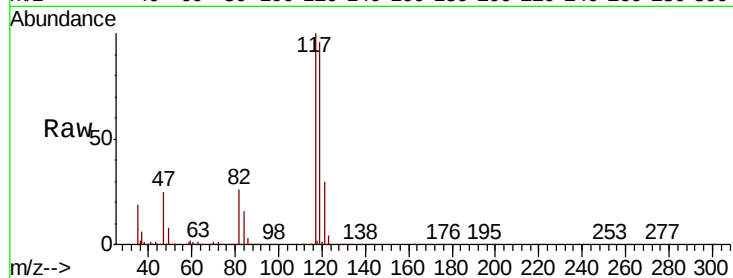
Tot Ion:117 Resp: 2443926

Ion Ratio Lower Upper

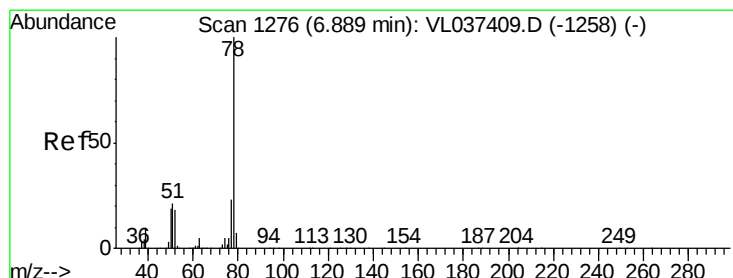
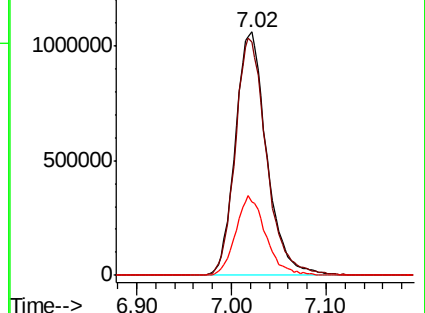
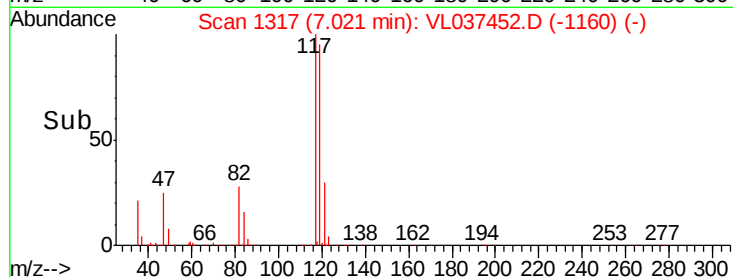
117 100

119 95.8 77.5 116.3

121 30.0 24.7 37.1



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



#36

Benzene

Concen: 9.879 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

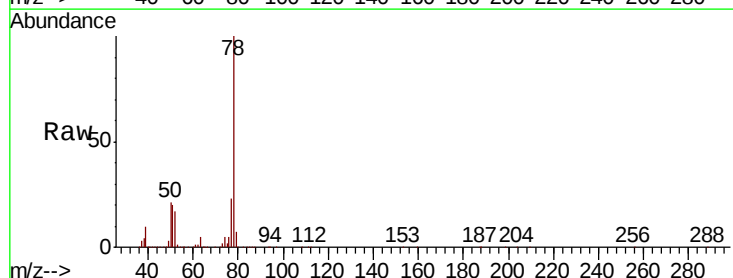
Tgt Ion: 78 Resp: 3261906

Ion Ratio Lower Upper

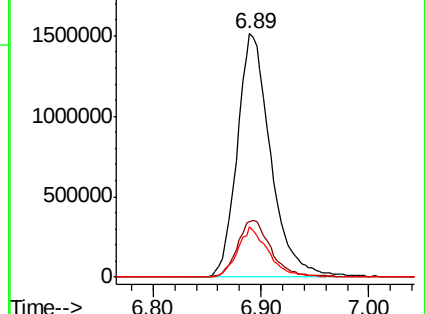
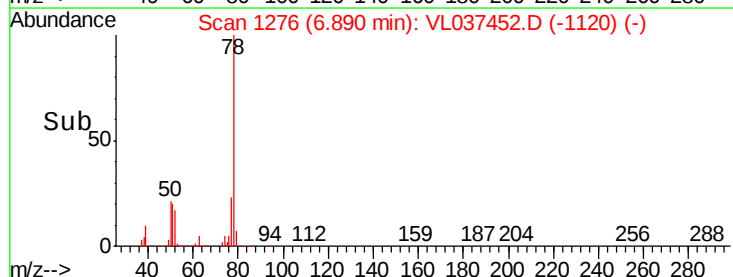
78 100

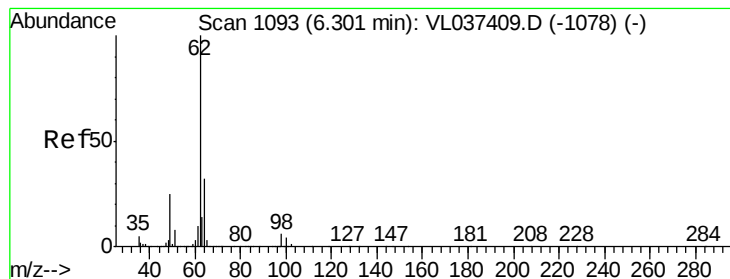
77 22.5 18.6 27.8

50 20.6 14.9 22.3



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





#37

1,2-Dichloroethane

Concen: 10.064 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

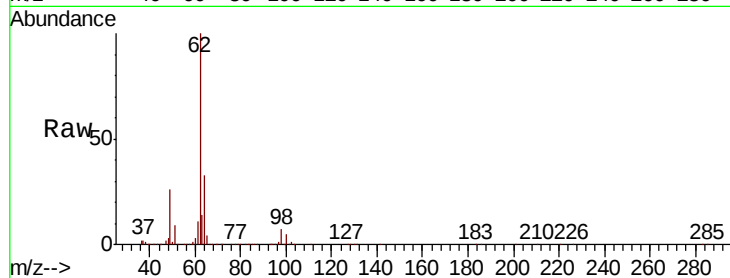
ClientSampleId :

Tot Ion: 62 Resp: 1695811

Ion Ratio Lower Upper

62 100

98 6.9 5.4 8.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.31

800000

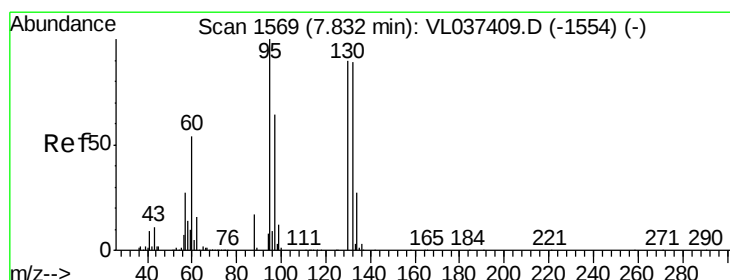
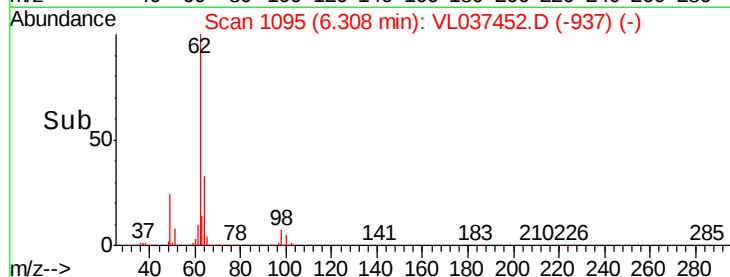
600000

400000

200000

0

Time--> 6.20 6.25 6.30 6.35 6.40



#38

Trichloroethene

Concen: 9.112 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Tgt Ion:130 Resp: 1327979

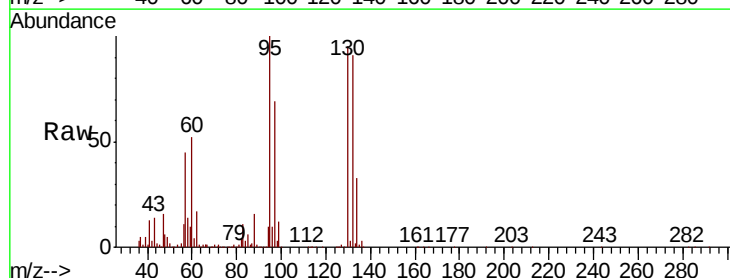
Ion Ratio Lower Upper

130 100

95 104.7 88.6 132.8

132 95.4 79.2 118.8

97 72.0 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

1000000

800000

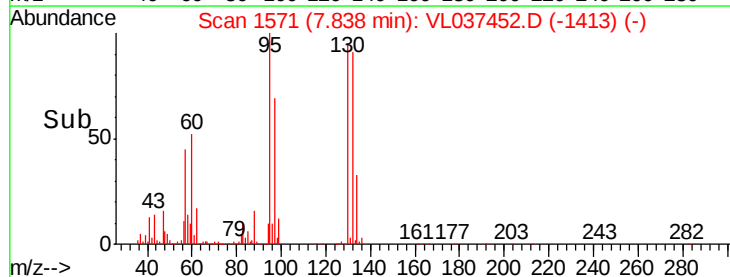
600000

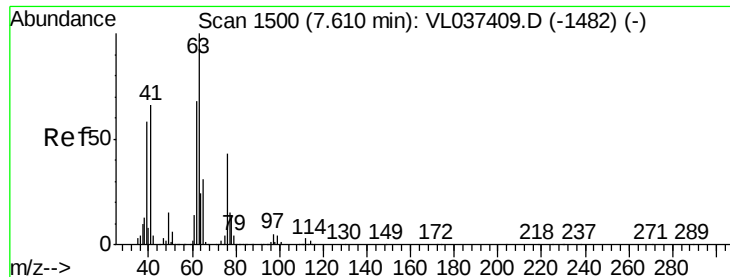
400000

200000

0

Time--> 7.75 7.80 7.85 7.90 7.95



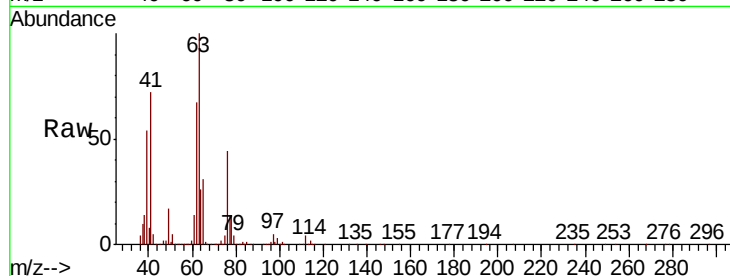


#39
 1,2-Dichloropropane
 Concen: 9.734 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. 0.00 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

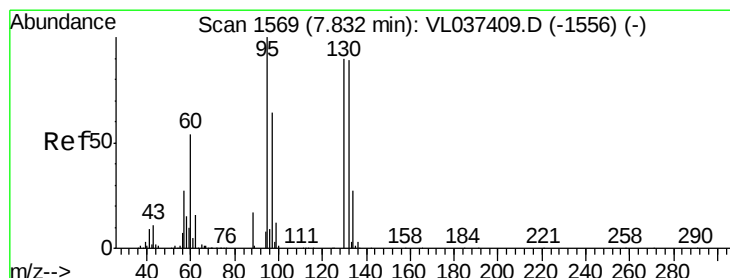
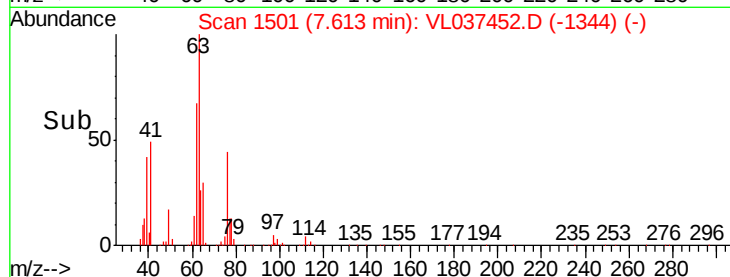
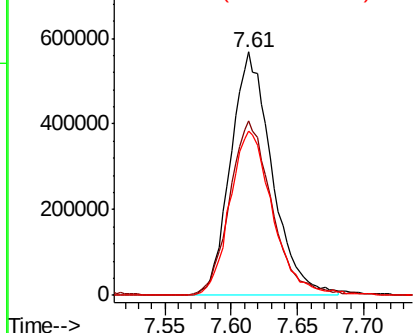
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1224374

Ion	Ratio	Lower	Upper
63	100		
41	71.6	53.0	79.6
62	67.0	54.5	81.7



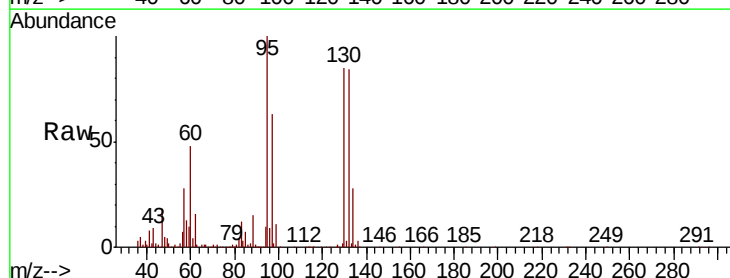
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0



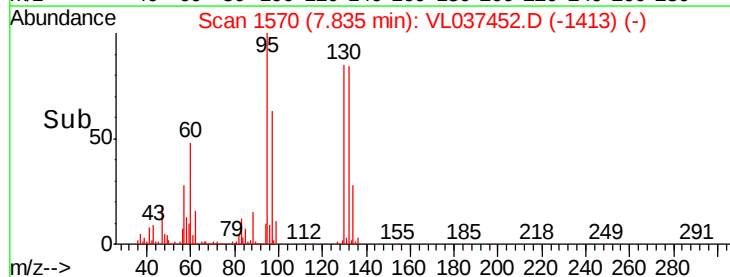
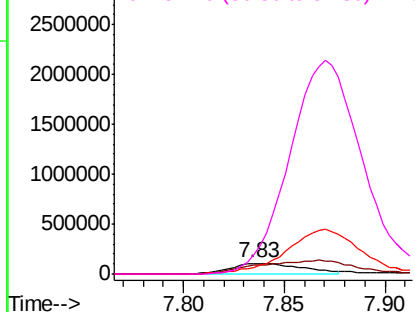
#40
 1,4-Dioxane
 Concen: 8.215 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

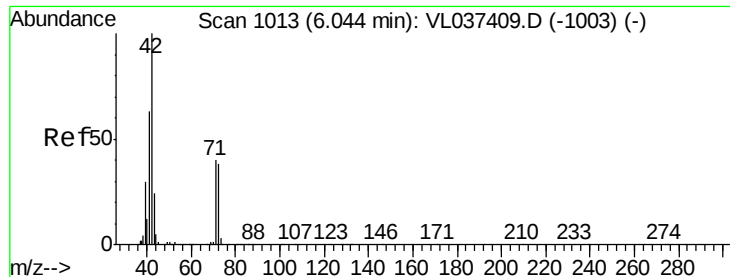
Tgt Ion: 88 Resp: 251454

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



Abundance Ion 88.10 (87.80 to 88.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0
 Ion 43.10 (42.80 to 43.80): VL0
 Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.851 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

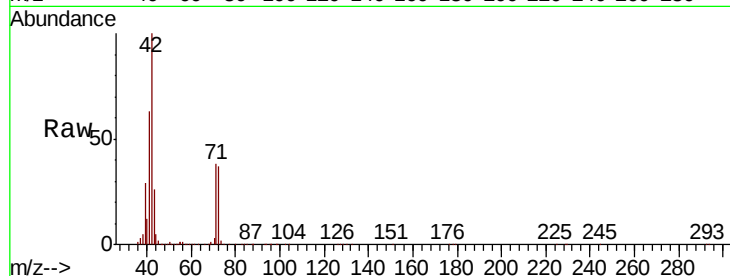
Tot Ion: 42 Resp: 731352

Ion Ratio Lower Upper

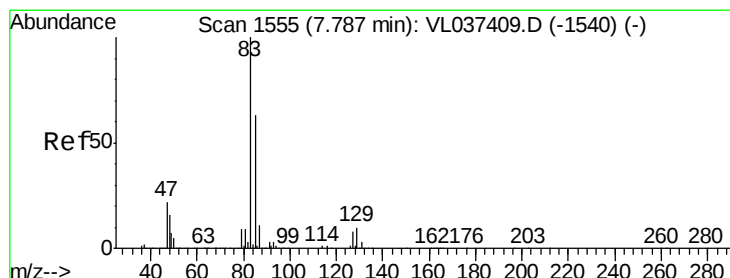
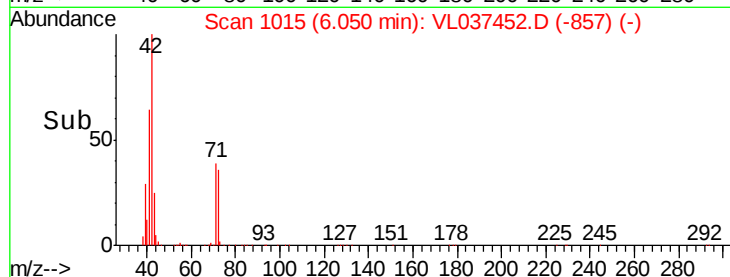
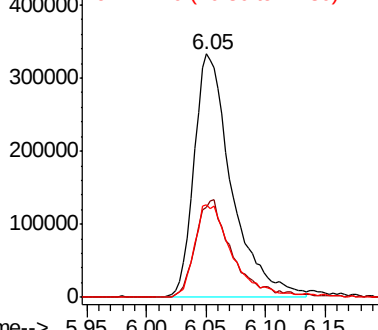
42 100

72 39.6 33.5 50.3

71 39.2 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: 5.581 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

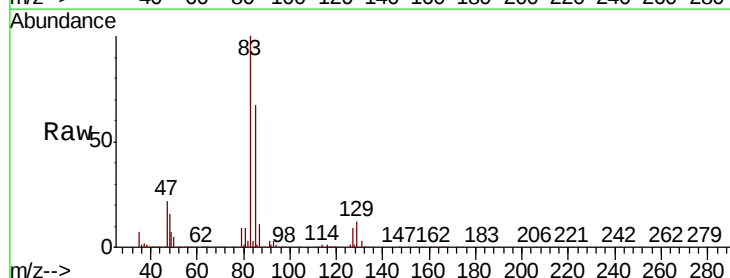
Tgt Ion: 83 Resp: 1316823

Ion Ratio Lower Upper

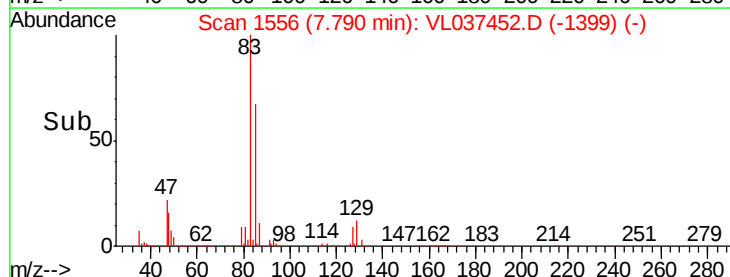
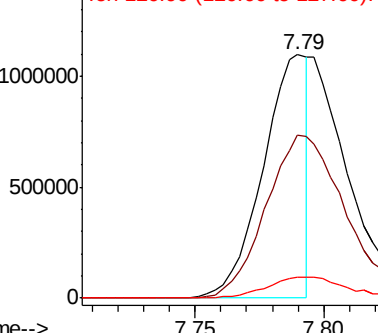
83 100

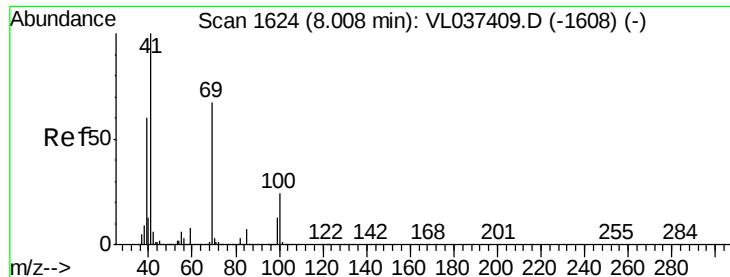
85 66.7 50.2 75.2

127 8.7 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

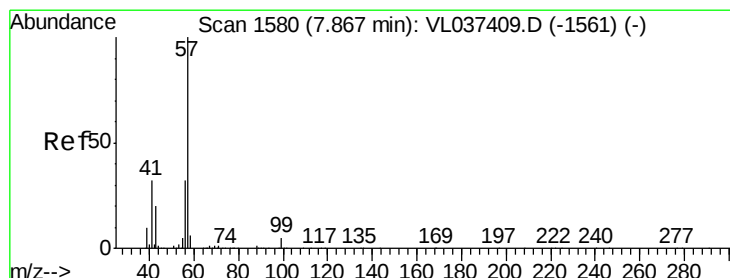
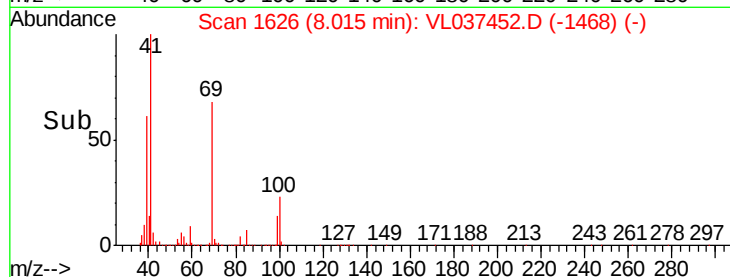
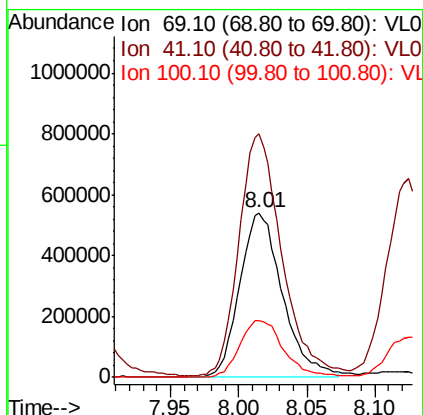
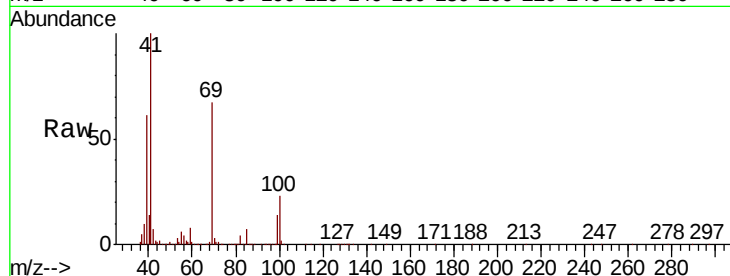




#43
Methvl Methacrilate
Concen: 10.481 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

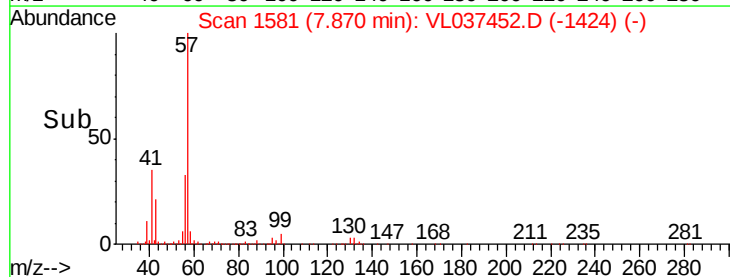
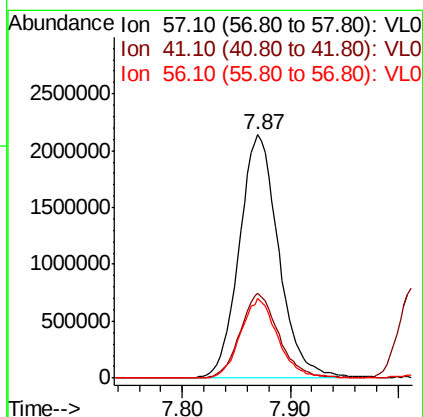
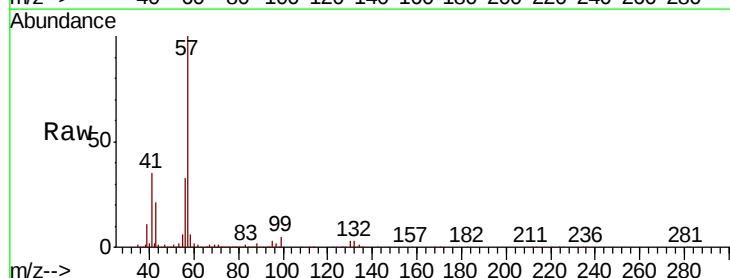
Instrument :
MSVOA_L
ClientSampleId :

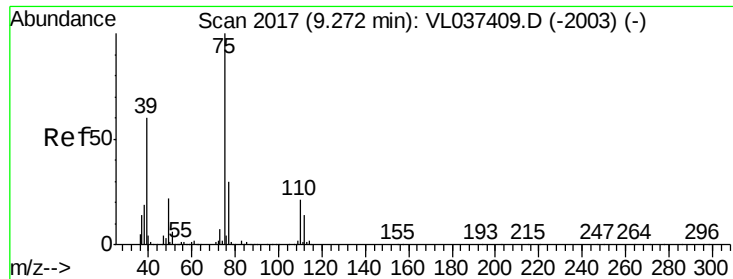
Tot Ion: 69 Resp: 1172851
Ion Ratio Lower Upper
69 100
41 149.6 118.1 177.1
100 35.7 27.6 41.4



#44
2,2,4-Trimethylpentane
Concen: 9.826 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion: 57 Resp: 5424369
Ion Ratio Lower Upper
57 100
41 33.9 26.4 39.6
56 31.3 25.0 37.4

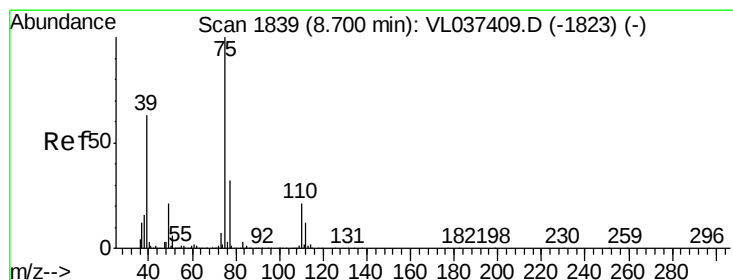
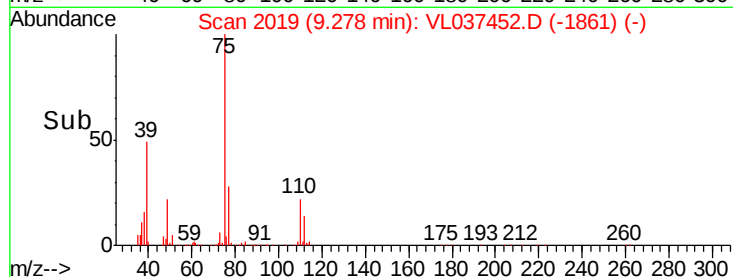
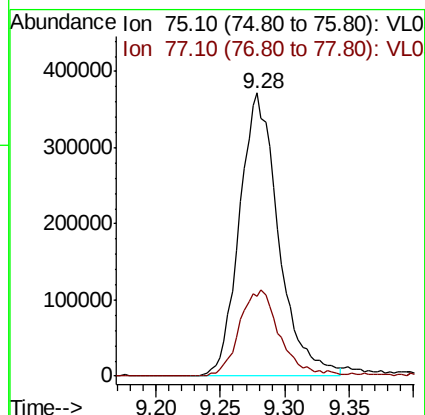
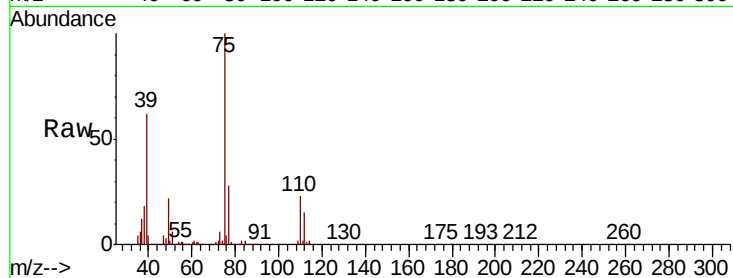




#45
t-1,3-Dichloropropene
Concen: 9.460 ppbv
RT: 9.28 min Scan# 2019
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

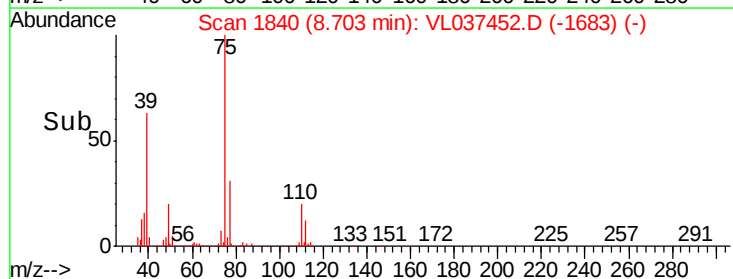
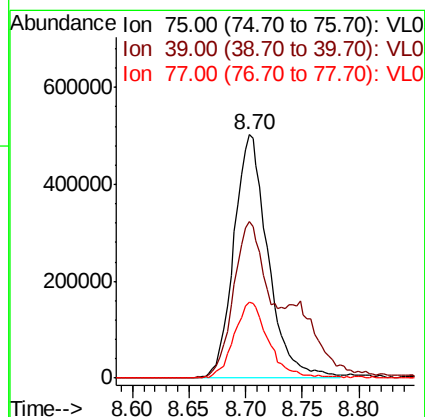
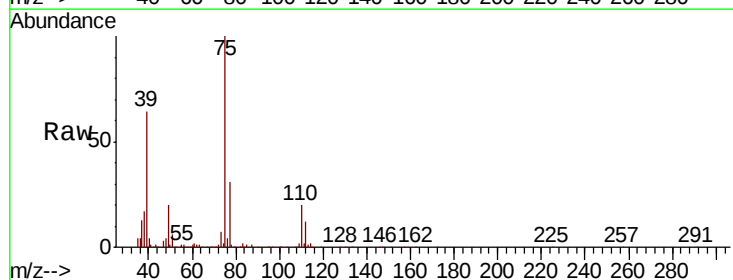
Instrument :
MSVOA_L
ClientSampleId :

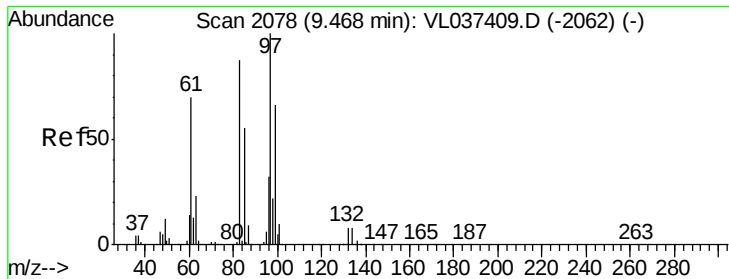
Tot Ion: 75 Resp: 786646
Ion Ratio Lower Upper
75 100
77 28.0 24.2 36.2



#46
cis-1,3-Dichloropropene
Concen: 9.099 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion: 75 Resp: 1056329
Ion Ratio Lower Upper
75 100
39 64.3 50.1 75.1
77 31.2 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 9.894 ppbv

RT: 9.48 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 1345270

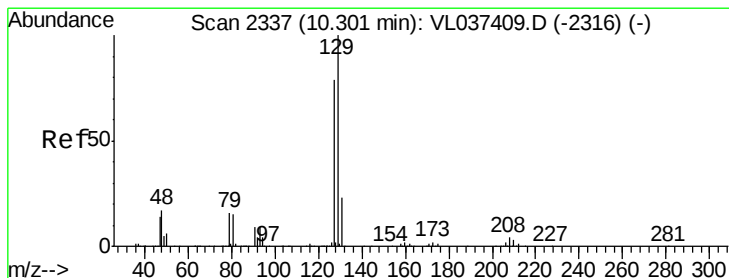
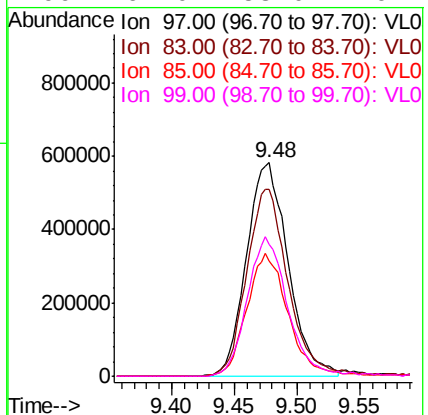
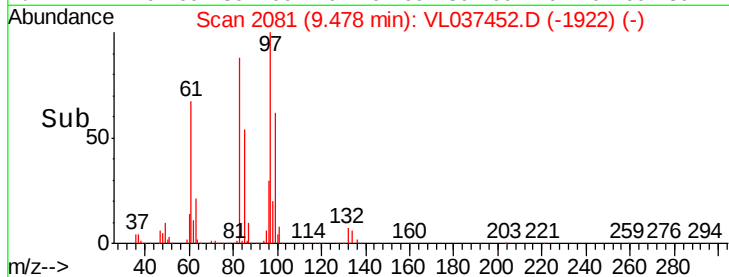
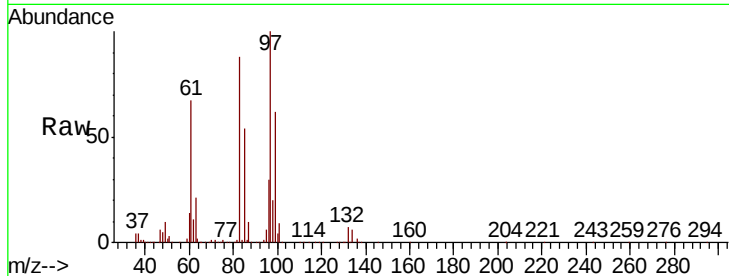
Ion	Ratio	Lower	Upper
97	100		
83	87.7	69.5	104.3
85	54.2	43.8	65.8
99	62.0	53.0	79.4

97 100

83 87.7 69.5 104.3

85 54.2 43.8 65.8

99 62.0 53.0 79.4



#48

Dibromochloromethane

Concen: 11.004 ppbv

RT: 10.30 min Scan# 2338

Delta R.T. 0.00 min

Lab File: VL037452.D

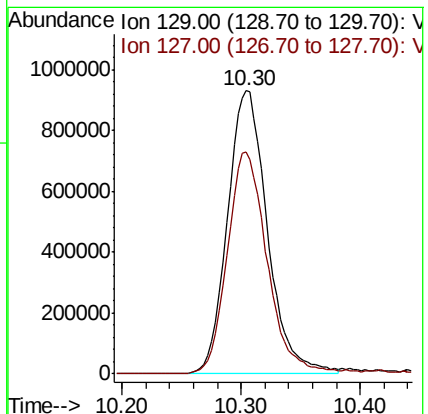
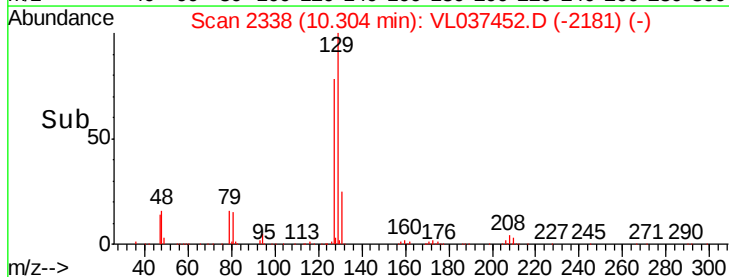
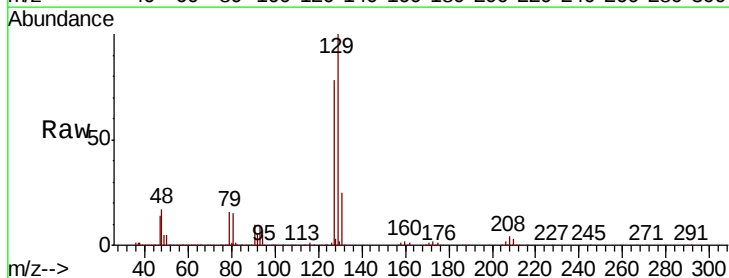
Acq: 13 Aug 2021 17:05

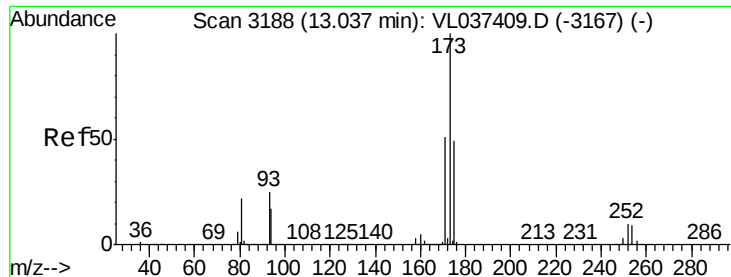
Tgt Ion: 129 Resp: 2158778

Ion	Ratio	Lower	Upper
129	100		
127	80.8	39.6	118.8

129 100

127 80.8 39.6 118.8





#49

Bromoform

Concen: 11.032 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

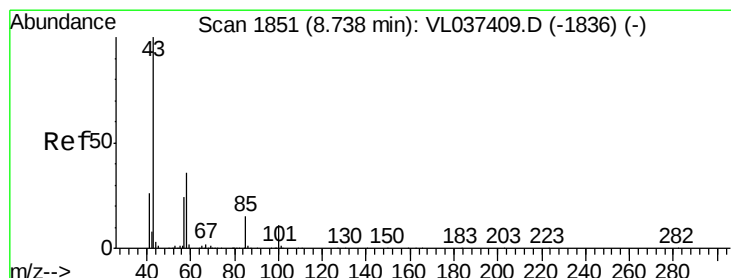
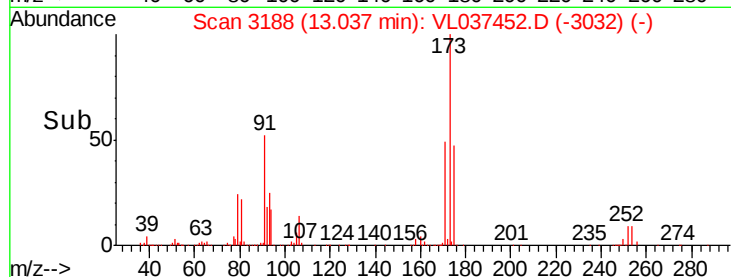
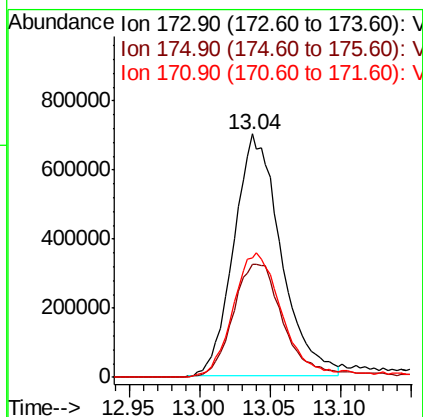
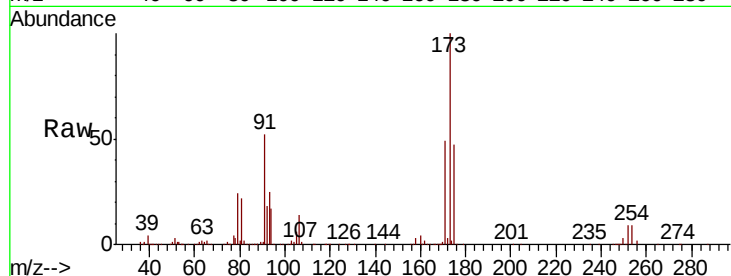
Tot Ion:173 Resp: 1639860

Ion Ratio Lower Upper

173 100

175 51.6 39.9 59.9

171 54.2 41.4 62.2



#50

4-Methyl-2-Pentanone

Concen: 10.429 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.01 min

Lab File: VL037452.D

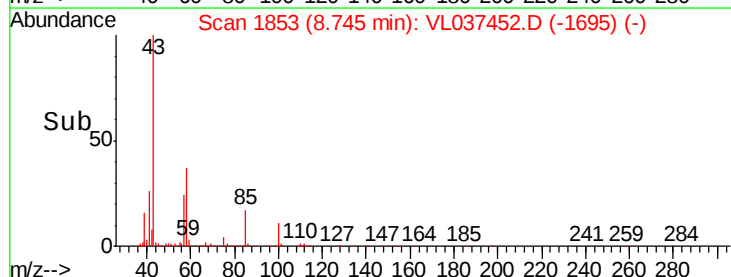
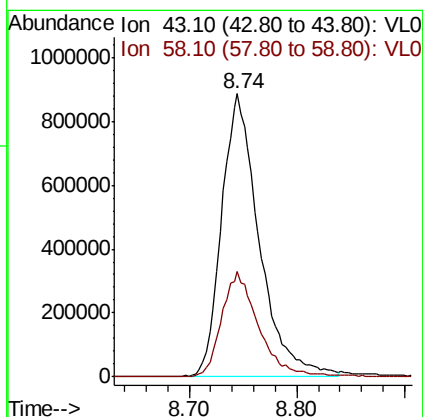
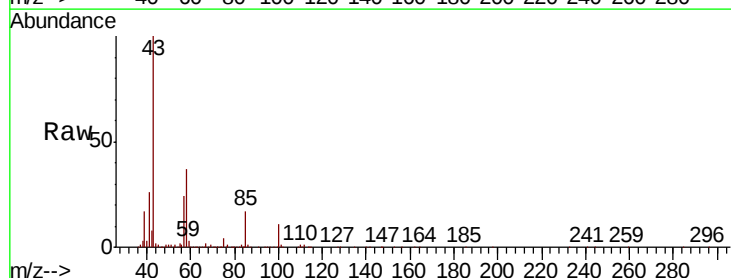
Acq: 13 Aug 2021 17:05

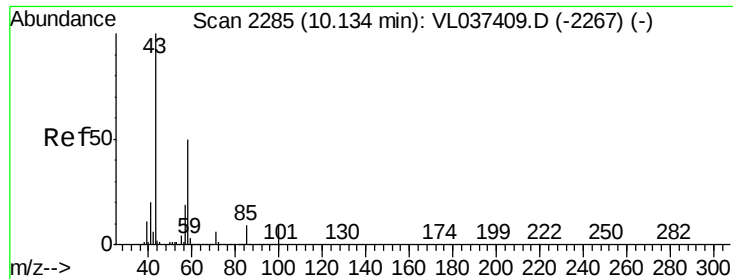
Tgt Ion: 43 Resp: 2120981

Ion Ratio Lower Upper

43 100

58 37.1 29.9 44.9

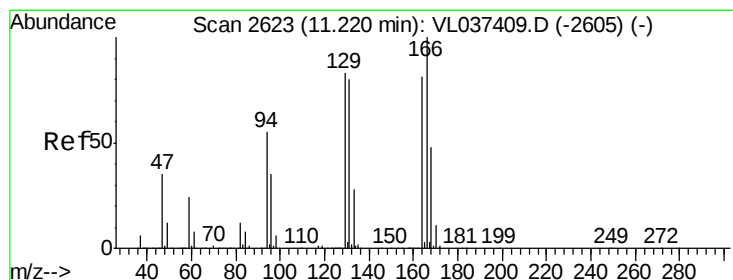
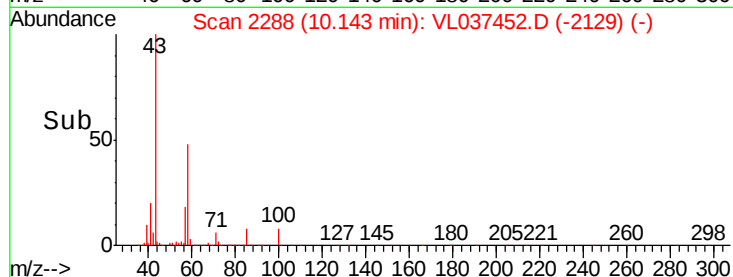
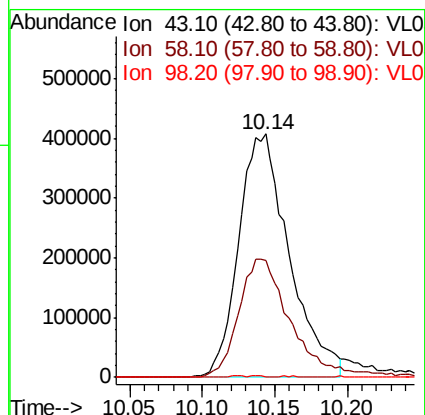
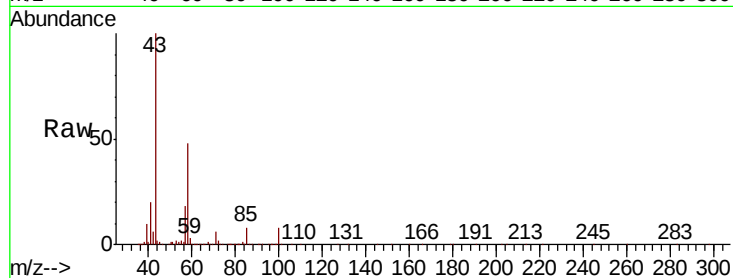




#51
2-Hexanone
Concen: 10.323 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

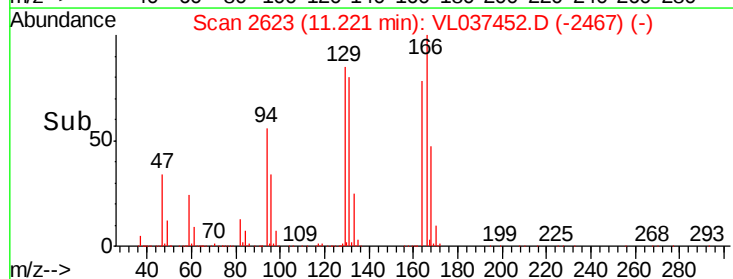
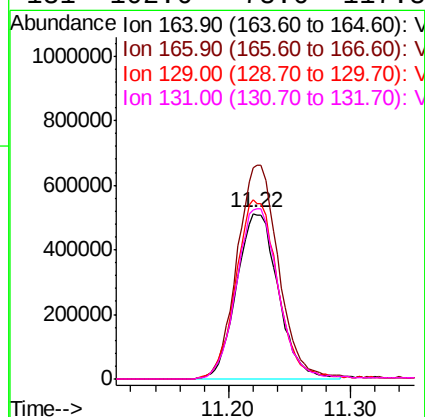
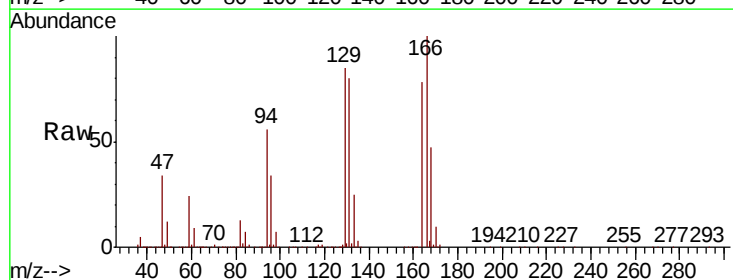
Instrument :
MSVOA_L
ClientSampleId :

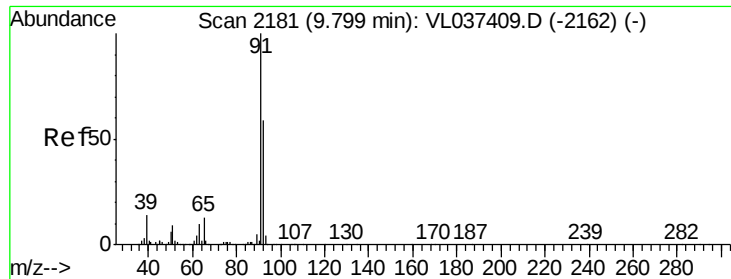
Tot Ion: 43 Resp: 987808
Ion Ratio Lower Upper
43 100
58 52.0 39.9 59.9
98 0.9 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.646 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion:164 Resp: 1202649
Ion Ratio Lower Upper
164 100
166 128.0 98.6 147.8
129 108.5 82.0 123.0
131 102.6 78.6 117.8





#53

Toluene

Concen: 10.089 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. 0.01 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

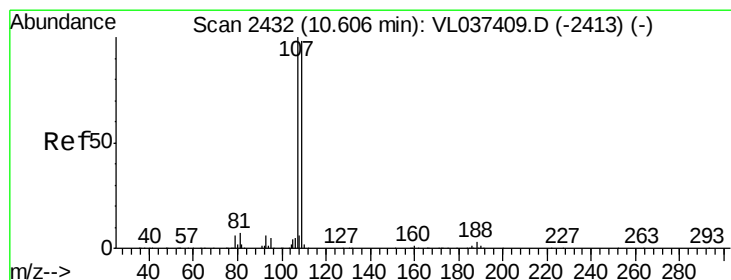
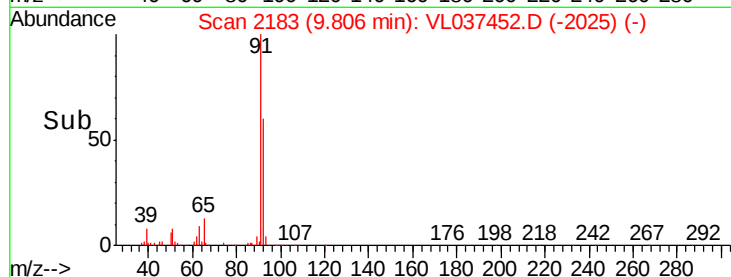
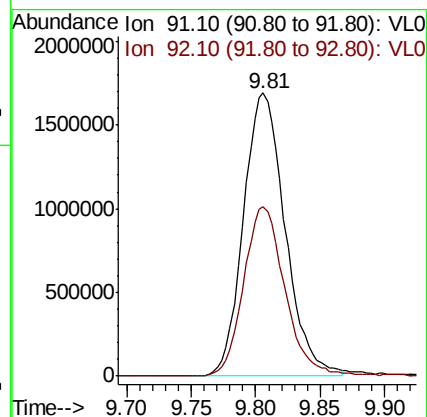
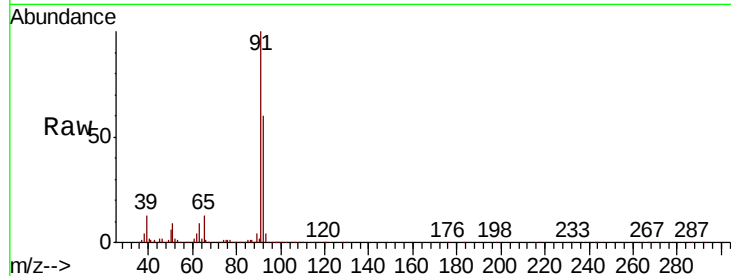
ClientSampleId :

Tot Ion: 91 Resp: 3803333

Ion Ratio Lower Upper

91 100

92 60.3 49.0 73.6



#54

1,2-Dibromoethane

Concen: 10.211 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.01 min

Lab File: VL037452.D

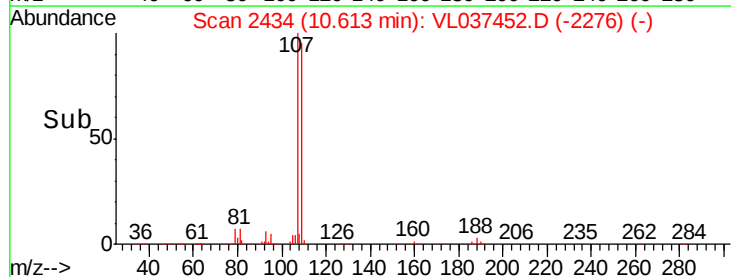
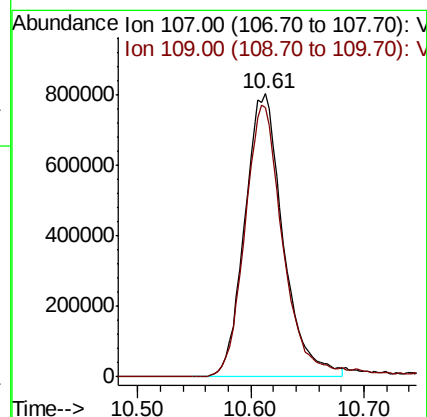
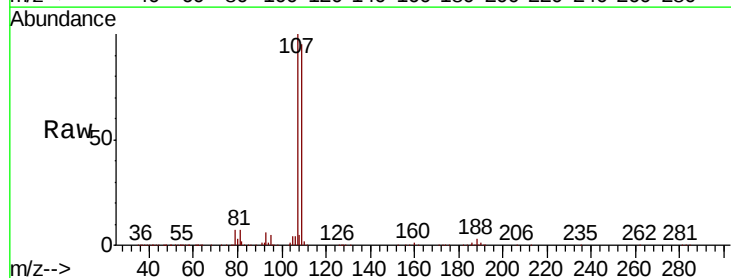
Acq: 13 Aug 2021 17:05

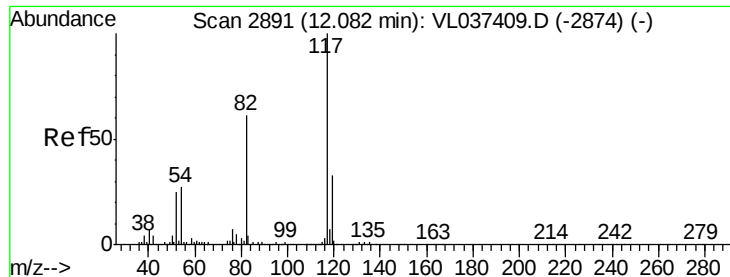
Tgt Ion: 107 Resp: 1889507

Ion Ratio Lower Upper

107 100

109 95.4 78.4 117.6

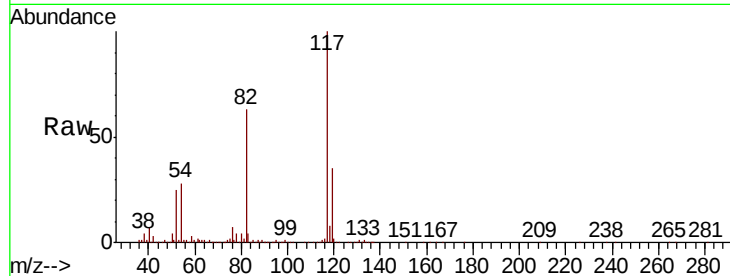




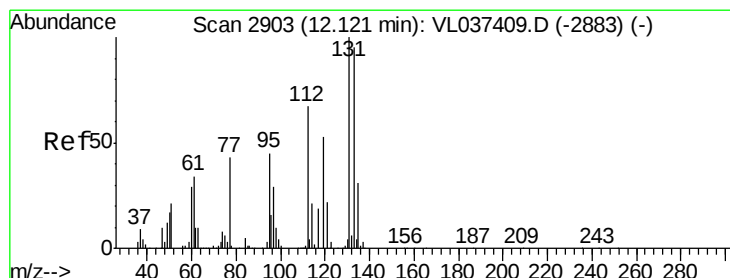
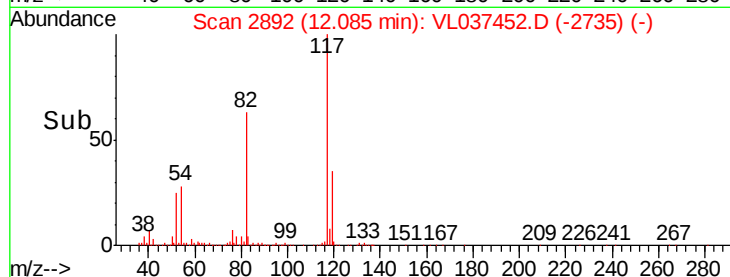
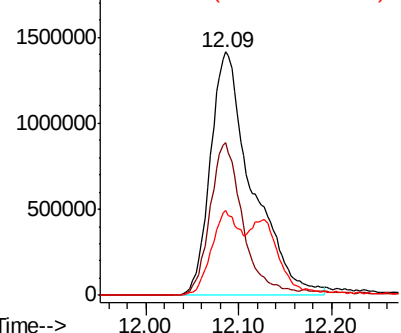
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 4414566
Ion Ratio Lower Upper
117 100
82 52.4 53.1 79.7#
119 25.0 28.0 42.0#

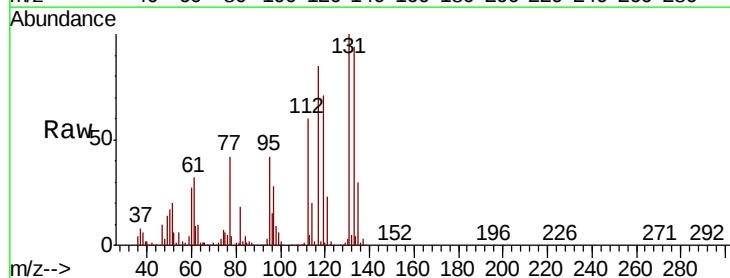


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

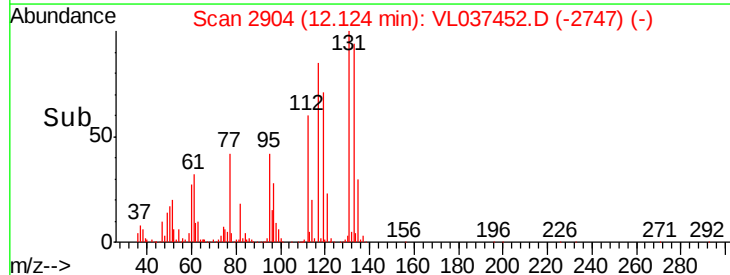
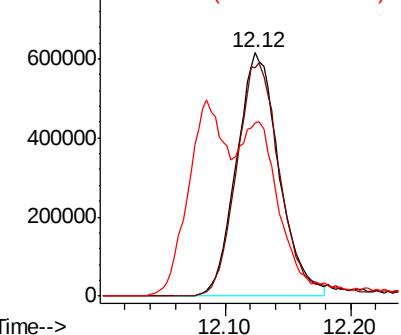


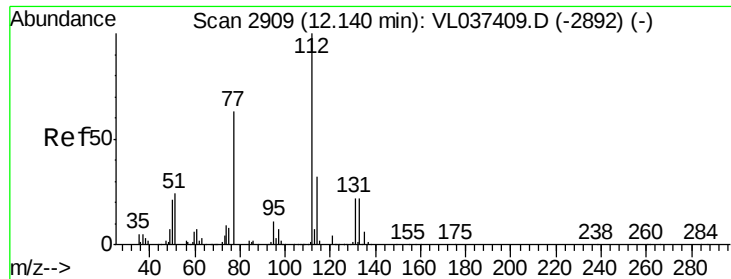
#56
1,1,1,2-Tetrachloroethane
Concen: 8.250 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion:131 Resp: 1449906
Ion Ratio Lower Upper
131 100
133 101.6 77.1 115.7
119 76.7 59.7 89.5



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V

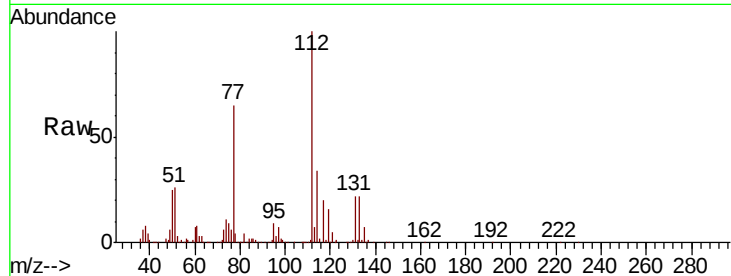




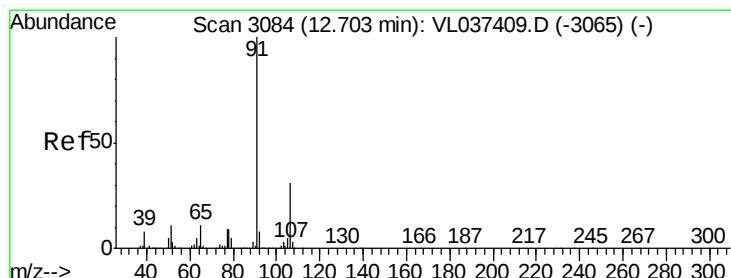
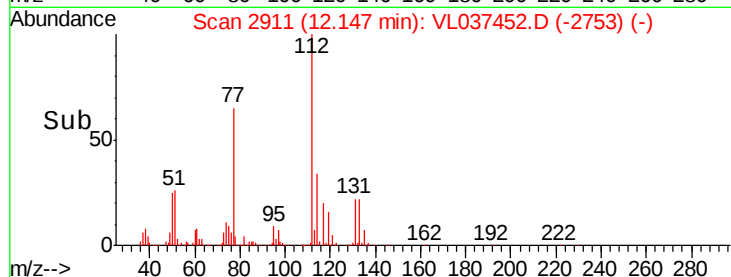
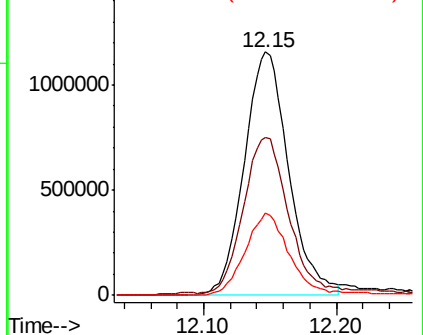
#57
Chlorobenzene
Concen: 7.516 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 2689145
Ion Ratio Lower Upper
112 100
77 63.6 50.0 75.0
114 33.7 28.5 34.9

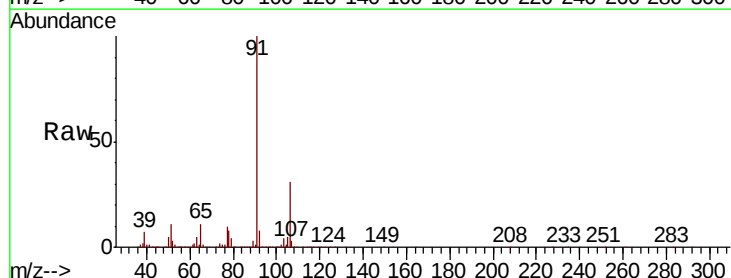


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

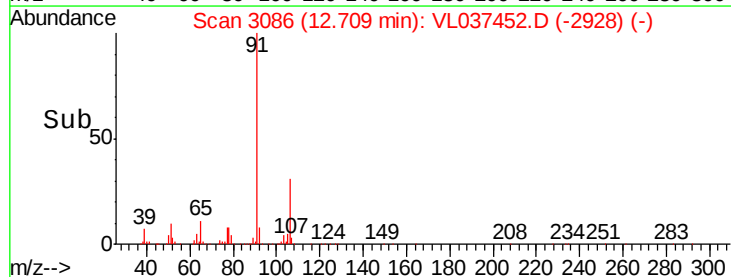
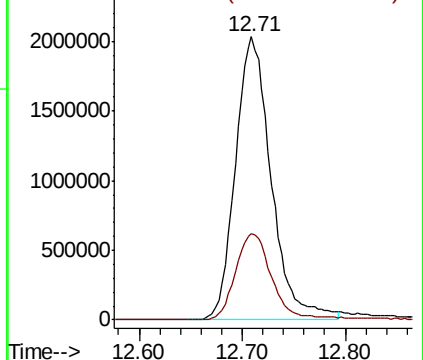


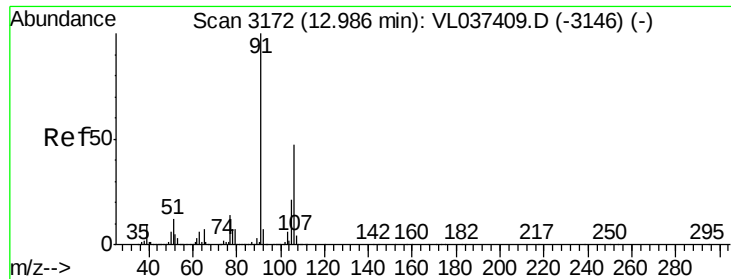
#58
Ethyl Benzene
Concen: 8.183 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion: 91 Resp: 4900622
Ion Ratio Lower Upper
91 100
106 30.7 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: 9.345 ppbv

RT: 13.00 min Scan# 3175

Delta R.T. 0.01 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

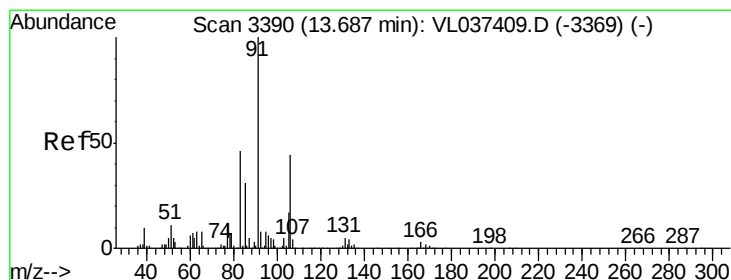
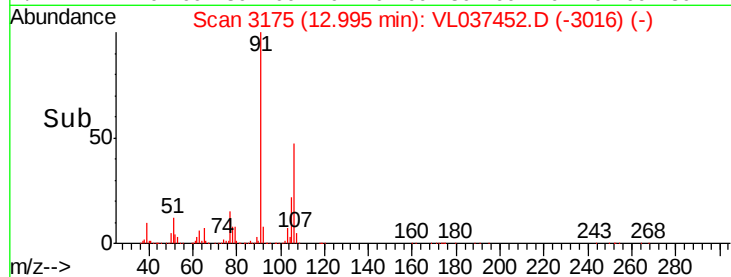
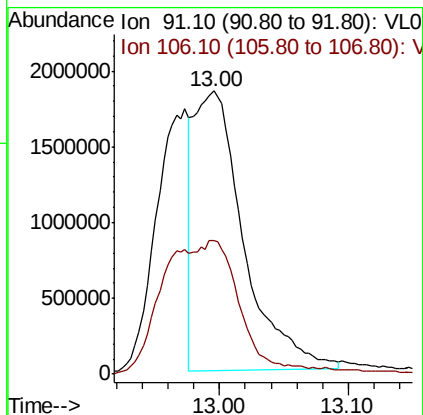
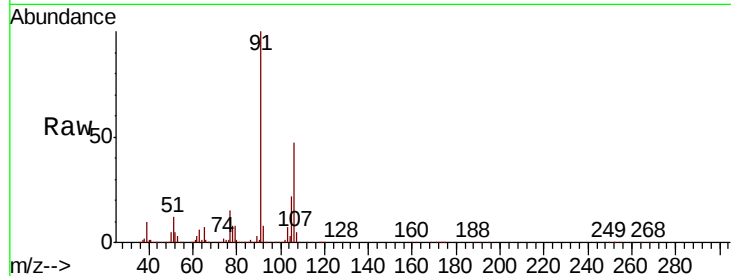
ClientSampleId :

Tot Ion: 91 Resp: 4915962

Ion Ratio Lower Upper

91 100

106 77.3 36.6 54.8#



#60

o-Xylene

Concen: 7.801 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VL037452.D

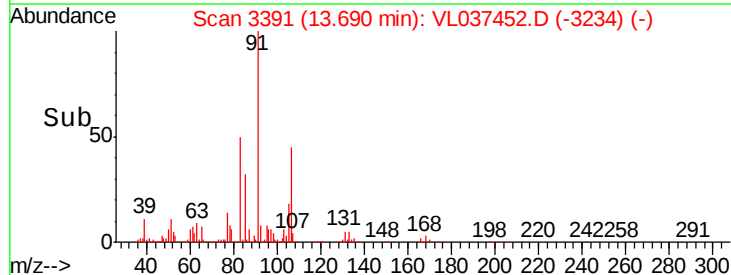
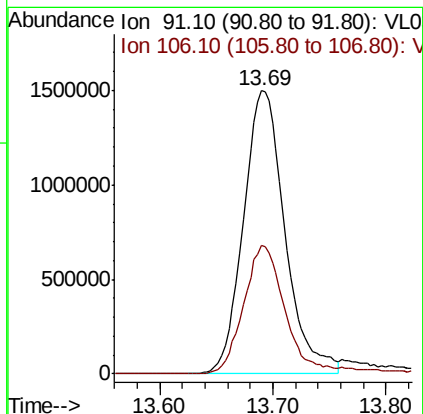
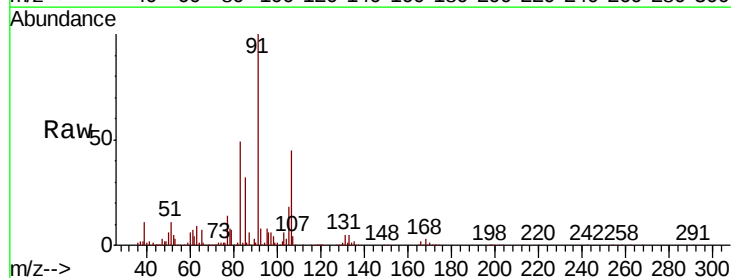
Acq: 13 Aug 2021 17:05

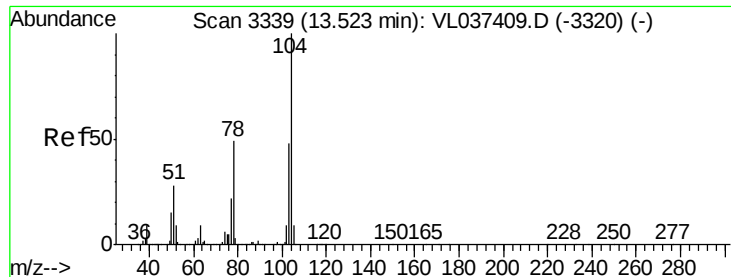
Tgt Ion: 91 Resp: 3812477

Ion Ratio Lower Upper

91 100

106 47.9 24.1 72.2

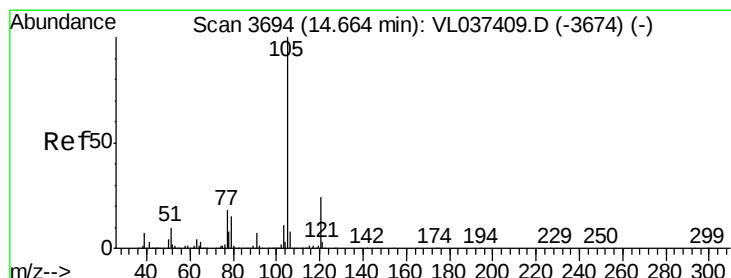
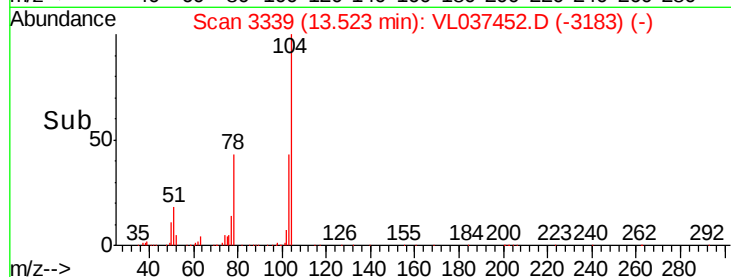
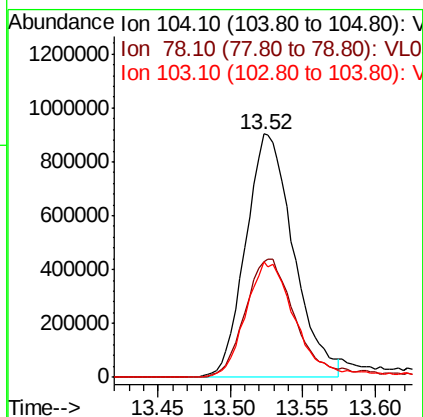
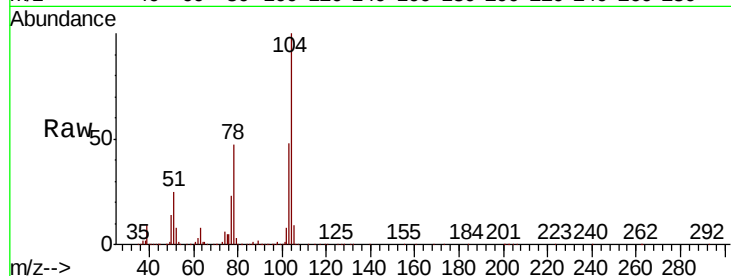




#61
Stvrene
Concen: 8.419 ppbv
RT: 13.52 min Scan# 3339
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

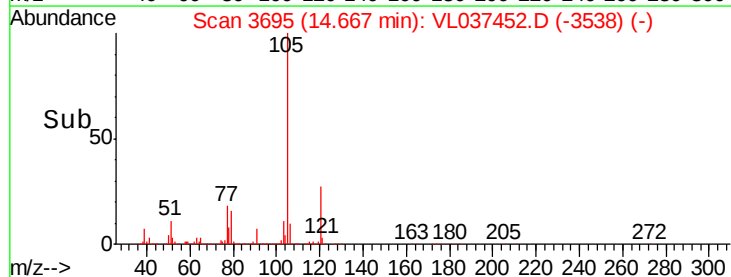
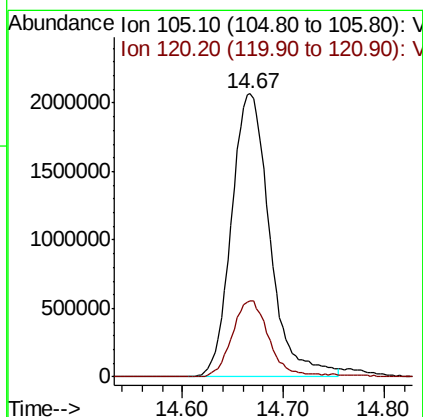
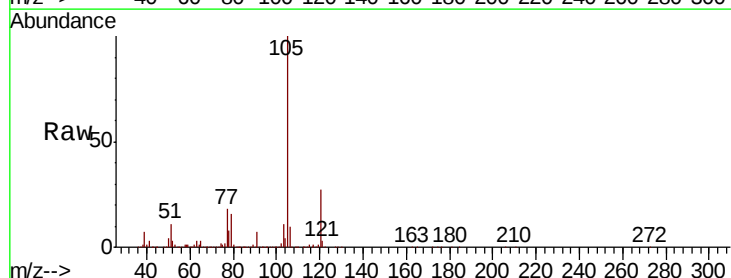
Instrument :
MSVOA_L
ClientSampleId :

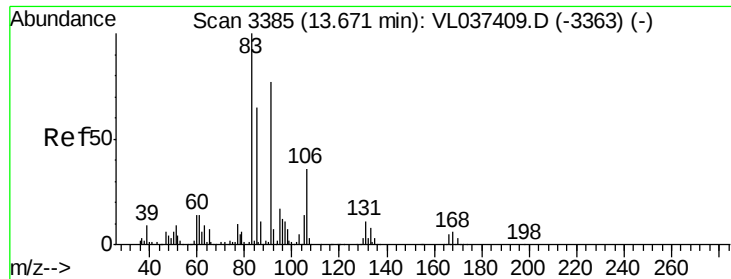
Tot Ion:104 Resp: 2078753
Ion Ratio Lower Upper
104 100
78 53.3 41.5 62.3
103 50.8 40.2 60.2



#62
Isopropylbenzene
Concen: 7.813 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion:105 Resp: 5460608
Ion Ratio Lower Upper
105 100
120 26.5 21.6 32.4

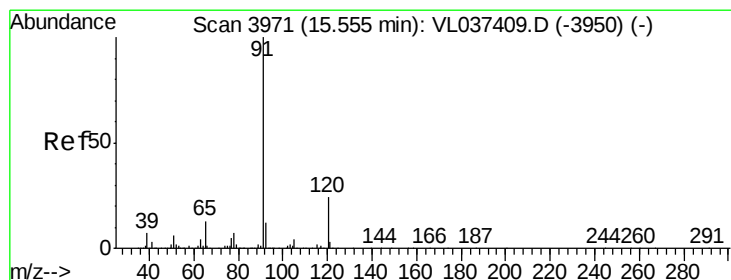
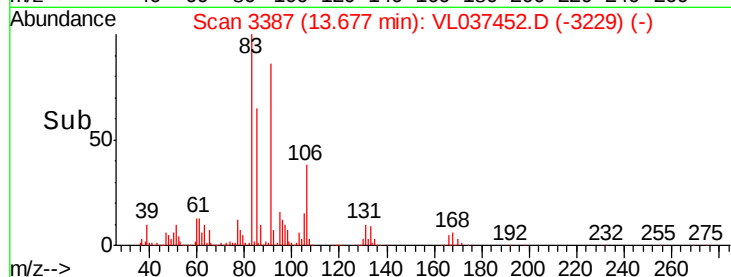
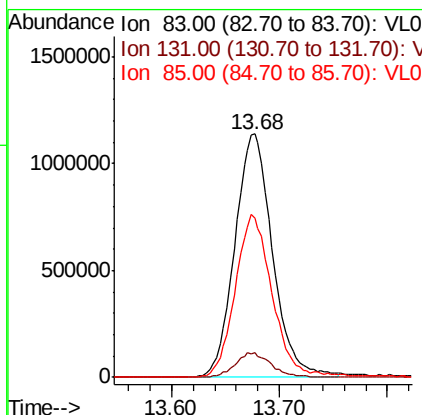
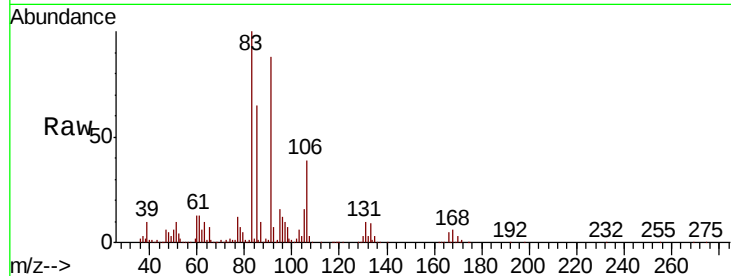




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.518 ppbv
 RT: 13.68 min Scan# 3387
 Delta R.T. 0.01 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

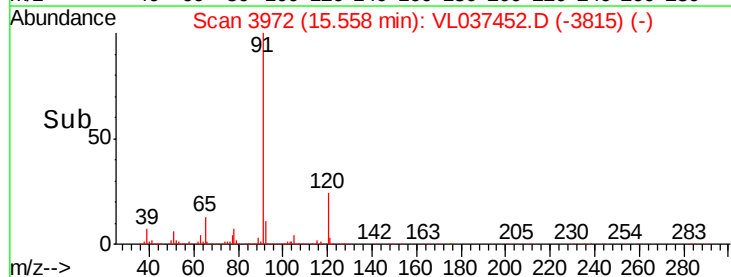
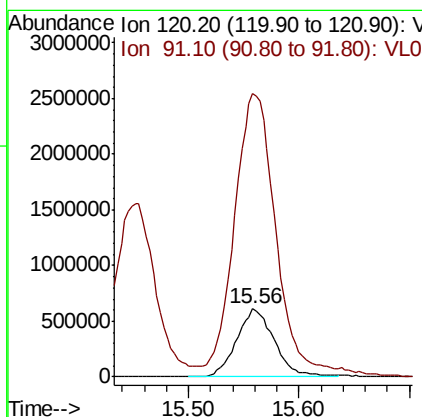
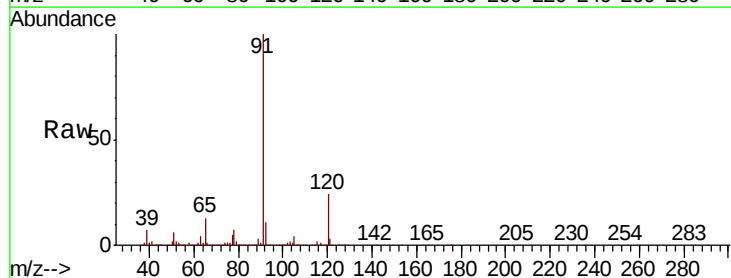
Instrument :
 MSVOA_L
 ClientSampled :

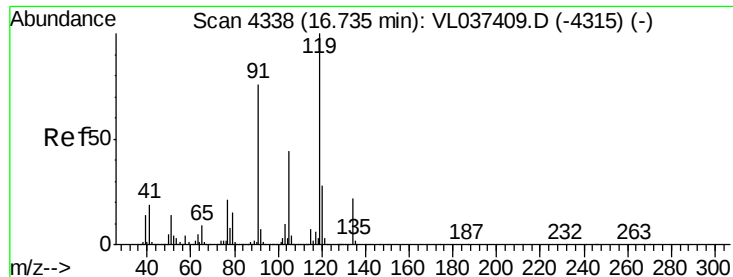
Tot Ion: 83 Resp: 2770809
 Ion Ratio Lower Upper
 83 100
 131 9.8 5.1 15.4
 85 66.6 33.4 100.2



#64
 n-propylbenzene
 Concen: 8.278 ppbv
 RT: 15.56 min Scan# 3972
 Delta R.T. 0.00 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Tgt Ion:120 Resp: 1455870
 Ion Ratio Lower Upper
 120 100
 91 464.9 388.4 582.6





#65

tert-Butylbenzene

Concen: 7.694 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.01 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

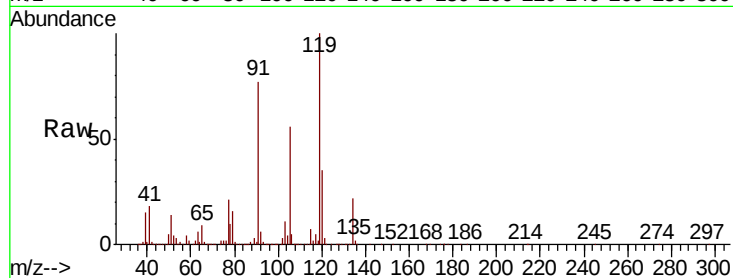
Tot Ion:119 Resp: 4848913

Ion Ratio Lower Upper

119 100

91 79.3 62.2 93.4

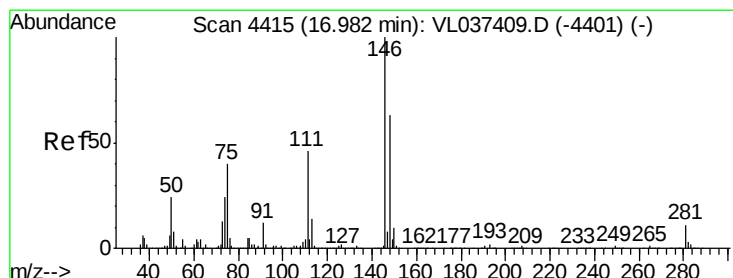
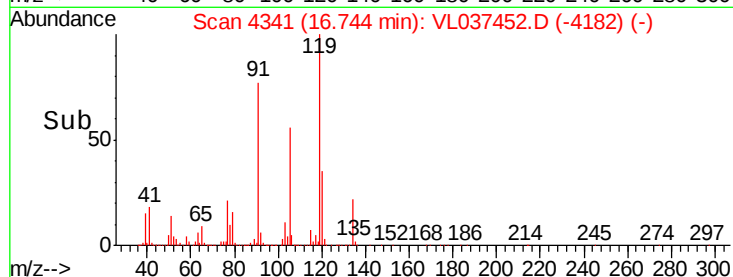
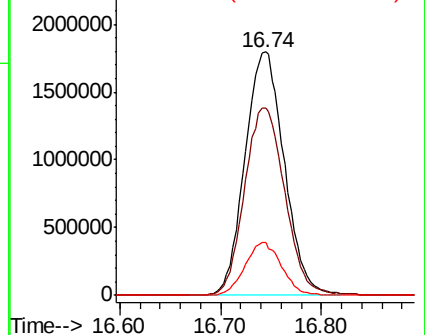
134 20.2 16.1 24.1



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: 6.838 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

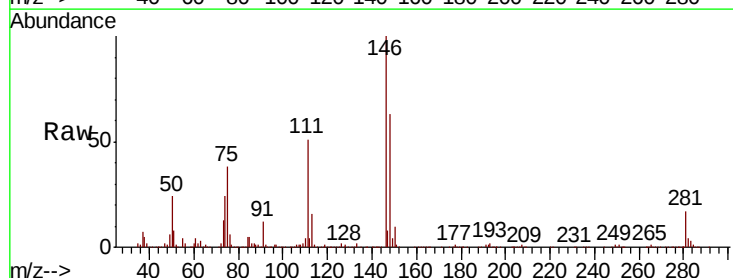
Tgt Ion: 91 Resp: 197208

Ion Ratio Lower Upper

91 100

126 18.6 14.3 21.5

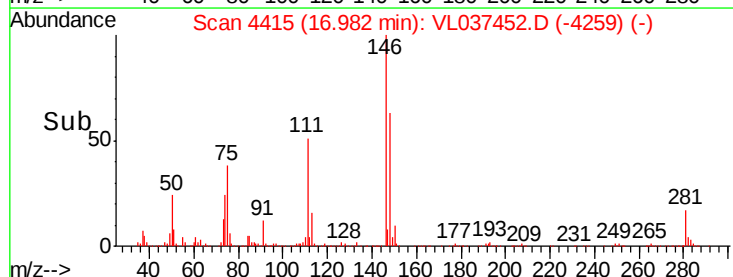
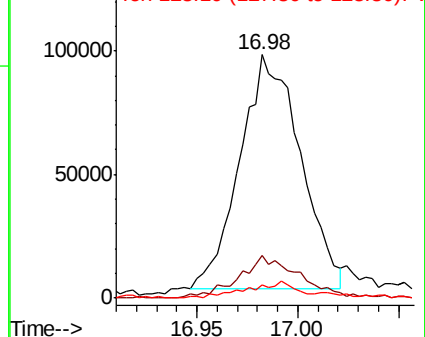
128 7.5 4.6 7.0#

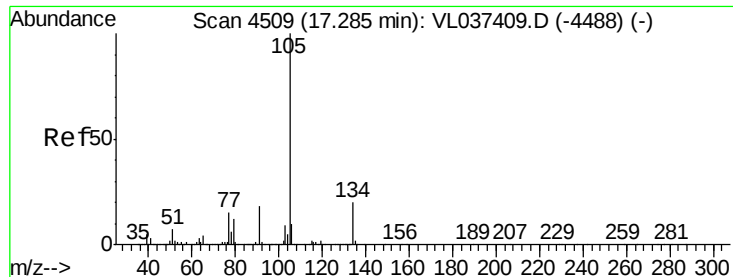


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

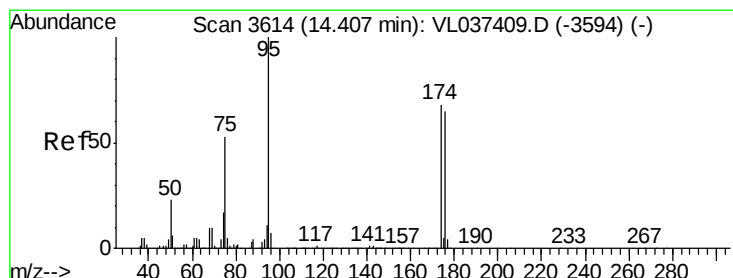
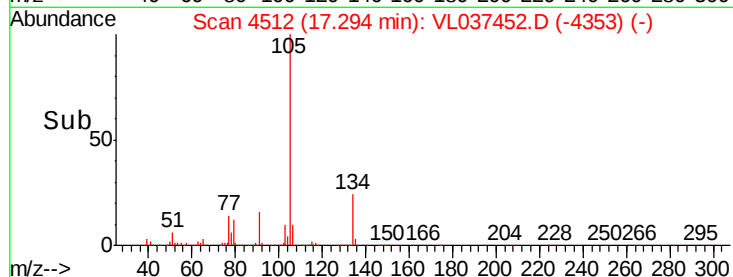
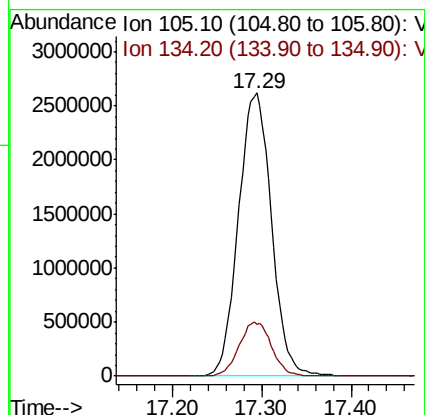
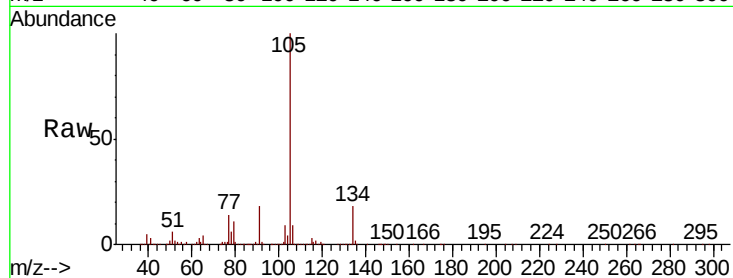




#67
 sec-Butylbenzene
 Concen: 7.843 ppbv
 RT: 17.29 min Scan# 4512
 Delta R.T. 0.01 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

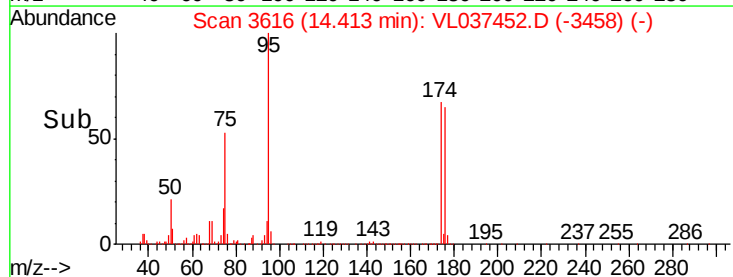
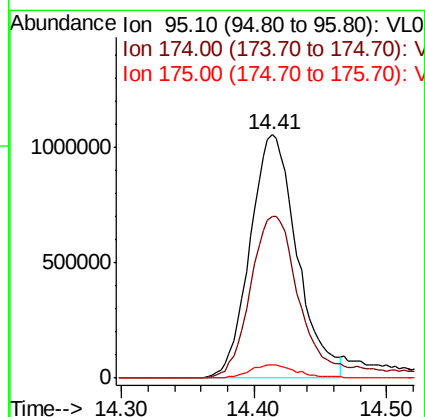
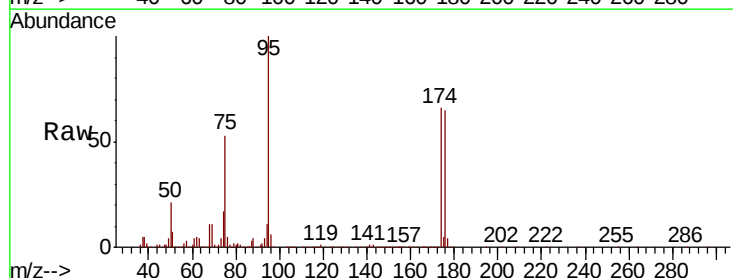
Instrument :
 MSVOA_L
 ClientSampled :

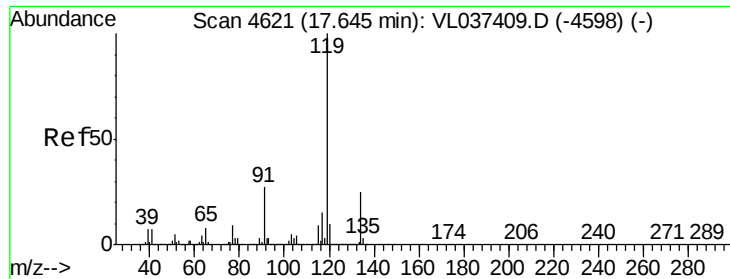
Tot Ion:105 Resp: 6726404
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.4 23.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.223 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T. 0.01 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Tgt Ion: 95 Resp: 2604066
 Ion Ratio Lower Upper
 95 100
 174 75.2 59.6 89.4
 175 6.0 4.3 6.5

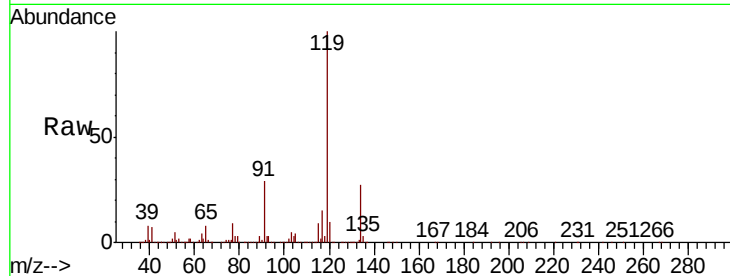




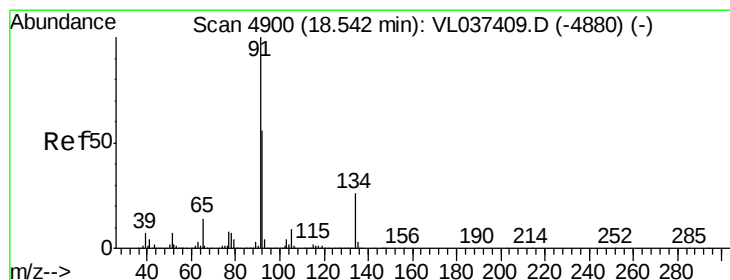
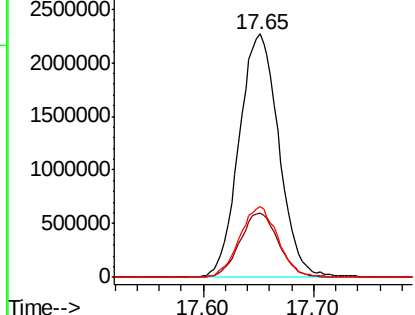
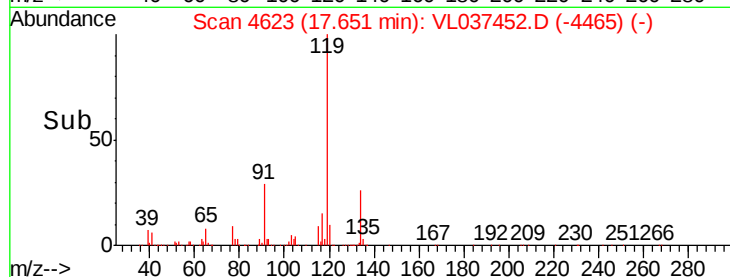
#69
 p-Isopropyltoluene
 Concen: 8.006 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. 0.01 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 119 Resp: 5634790
 Ion Ratio Lower Upper
 119 100
 134 26.0 20.6 31.0
 91 28.2 22.4 33.6

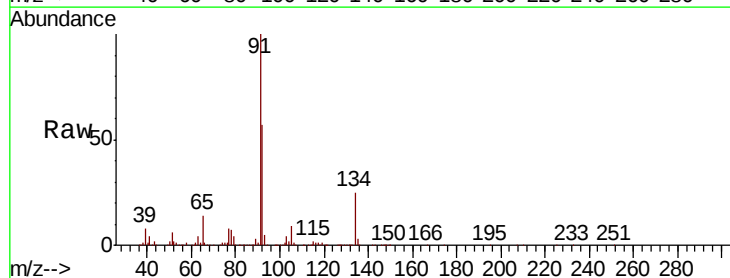


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

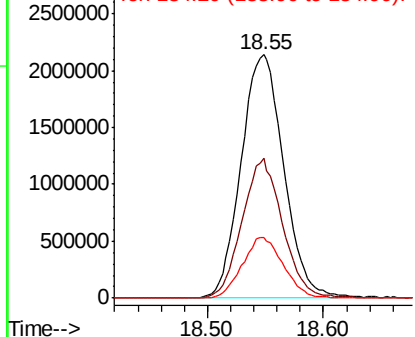
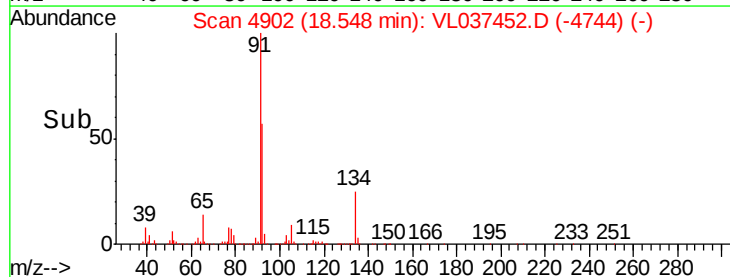


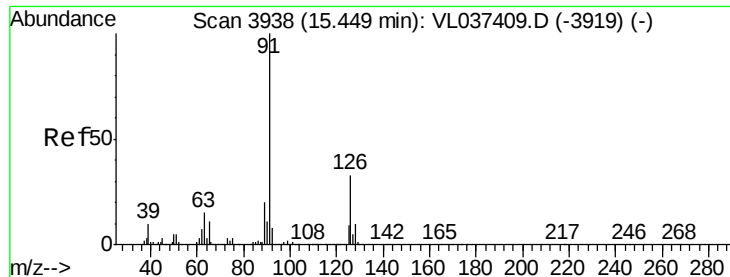
#70
 n-Butylbenzene
 Concen: 8.346 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.01 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Tgt Ion: 91 Resp: 5460261
 Ion Ratio Lower Upper
 91 100
 92 54.8 44.2 66.2
 134 24.3 19.5 29.3



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V

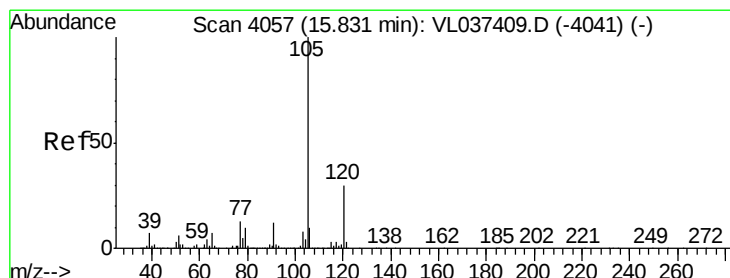
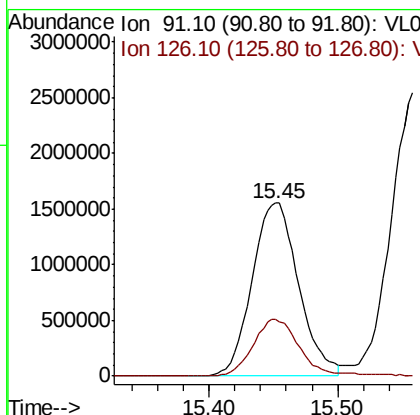
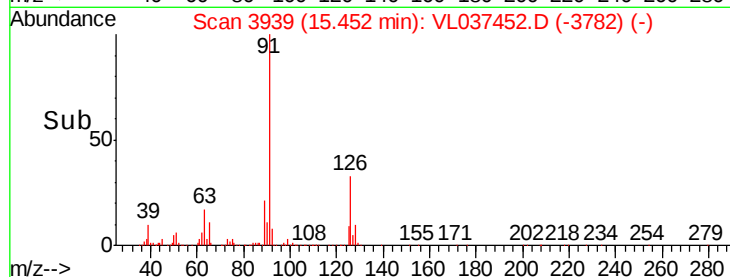
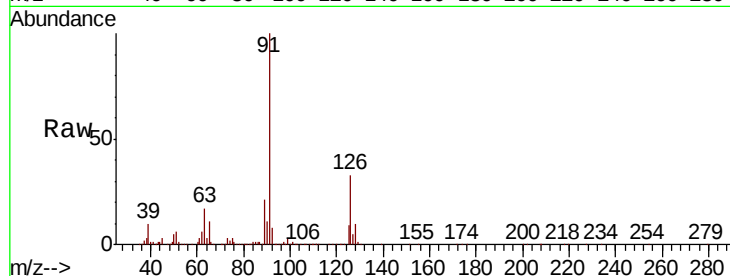




#71
2-Chlorotoluene
Concen: 7.904 ppbv
RT: 15.45 min Scan# 3939
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

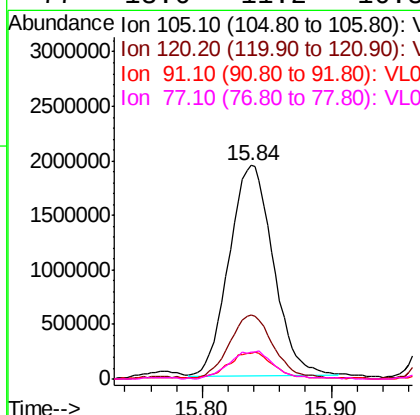
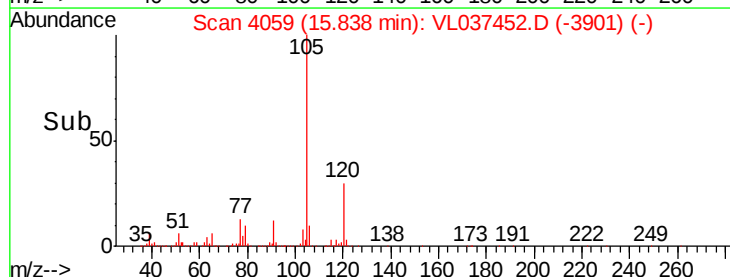
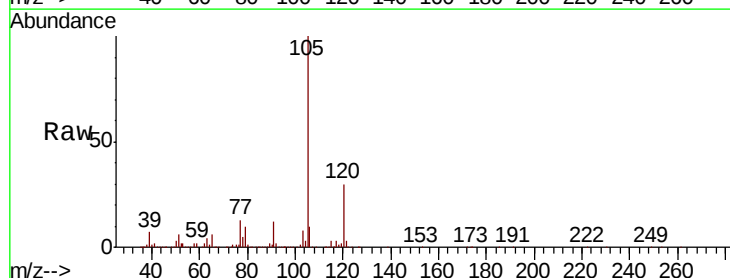
Instrument :
MSVOA_L
ClientSampleId :

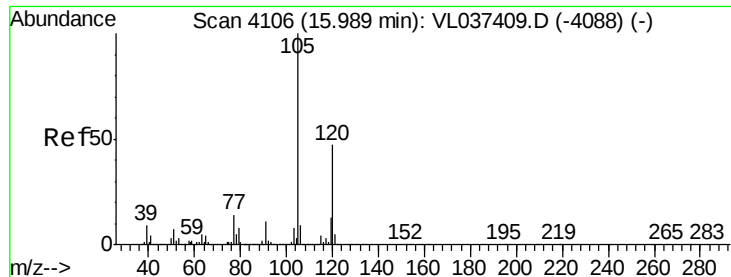
Tot Ion: 91 Resp: 3907441
Ion Ratio Lower Upper
91 100
126 33.9 13.5 53.9



#72
4-Ethyltoluene
Concen: 8.147 ppbv
RT: 15.84 min Scan# 4059
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion:105 Resp: 4621609
Ion Ratio Lower Upper
105 100
120 30.7 25.0 37.4
91 12.5 11.2 16.8
77 13.6 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 7.848 ppbv

RT: 15.99 min Scan# 4107

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

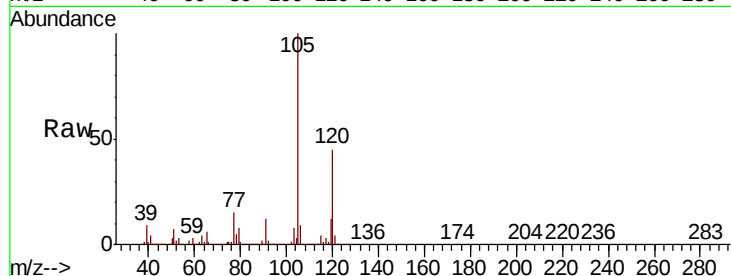
ClientSampleId :

Tot Ion:105 Resp: 4209079

Ion Ratio Lower Upper

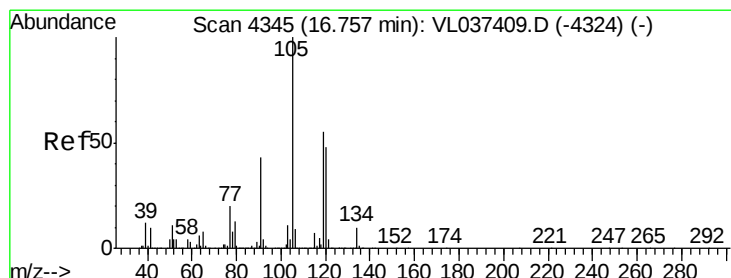
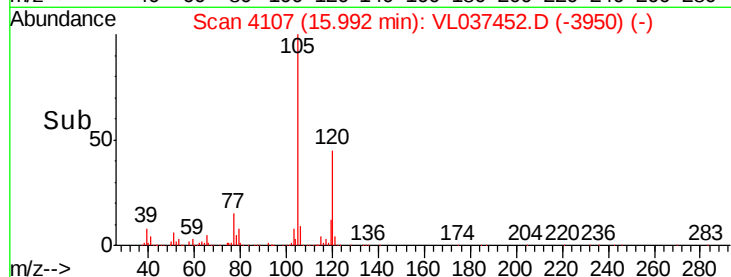
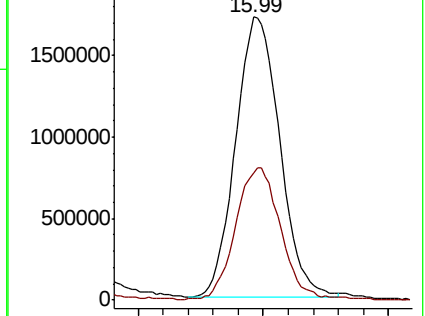
105 100

120 45.0 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: 8.031 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.01 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Tgt Ion:105 Resp: 4409399

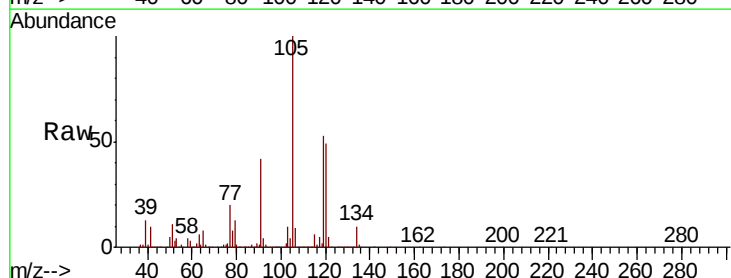
Ion Ratio Lower Upper

105 100

120 48.4 38.2 57.2

91 41.9 35.4 53.2

77 19.7 16.2 24.2

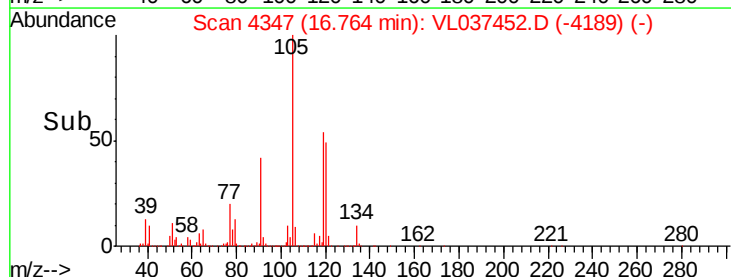
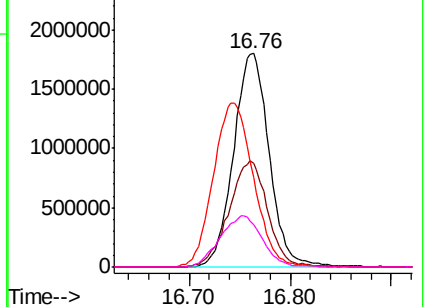


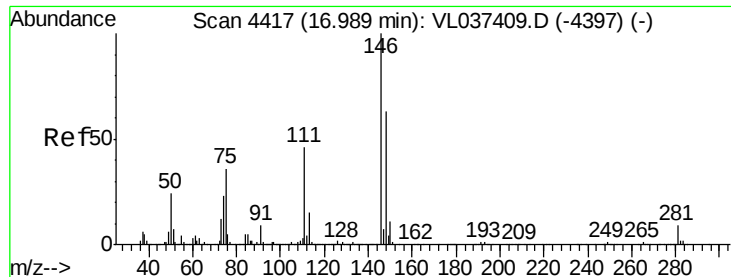
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

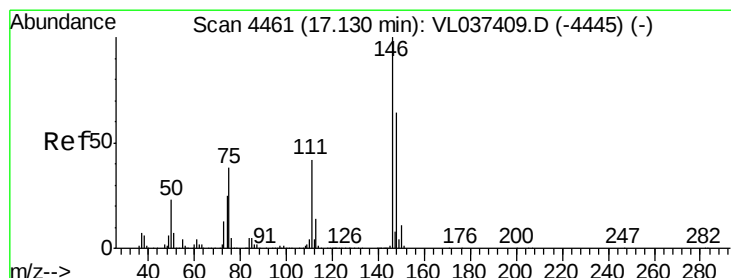
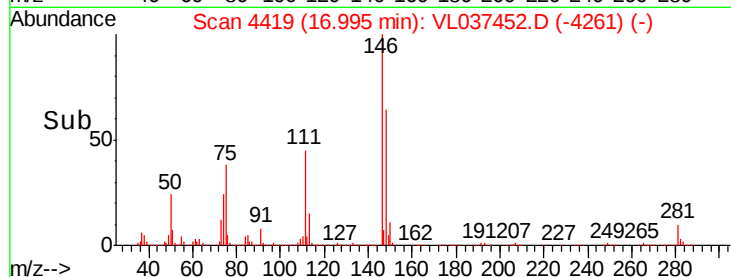
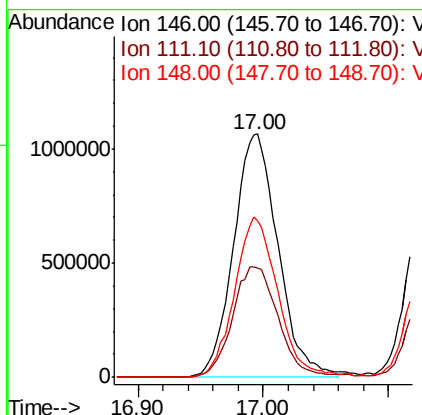
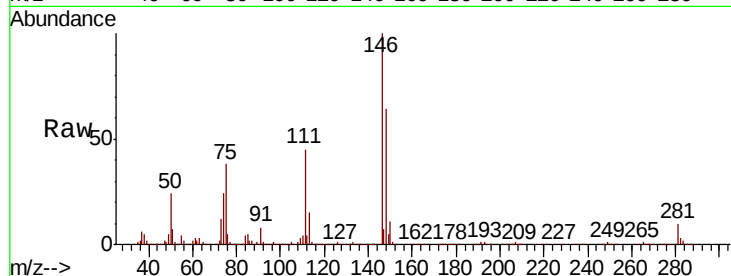




#75
 1,3-Dichlorobenzene
 Concen: 7.774 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. 0.01 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

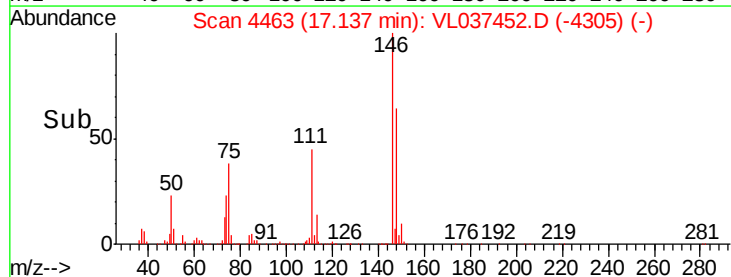
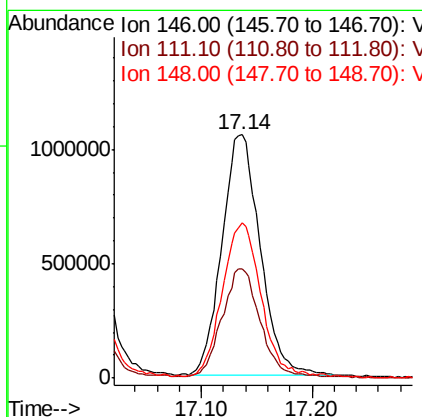
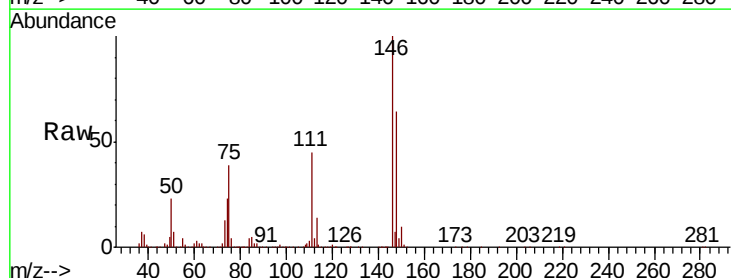
Instrument :
 MSVOA_L
 ClientSampleId :

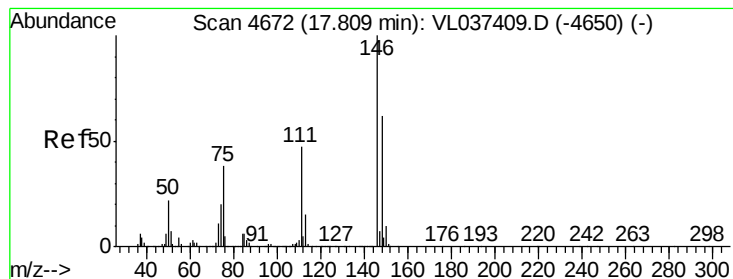
Tot Ion:146 Resp: 2612092
 Ion Ratio Lower Upper
 146 100
 111 47.3 22.9 68.7
 148 64.5 32.0 96.2



#76
 1,4-Dichlorobenzene
 Concen: 7.604 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. 0.01 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Tgt Ion:146 Resp: 2533206
 Ion Ratio Lower Upper
 146 100
 111 46.0 22.8 68.4
 148 67.1 34.0 102.0





#77

1,2-Dichlorobenzene

Concen: 7.647 ppbv

RT: 17.82 min Scan# 4674

Delta R.T. 0.01 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

ClientSampled :

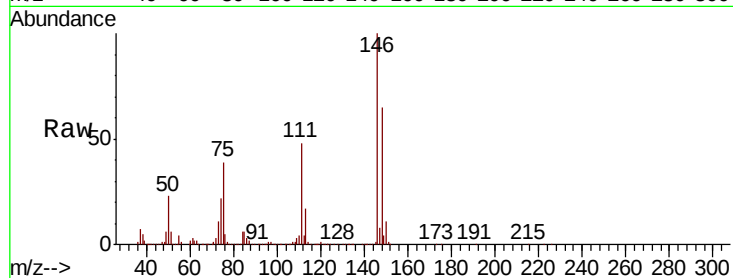
Tot Ion:146 Resp: 2472353

Ion Ratio Lower Upper

146 100

111 48.6 23.8 71.5

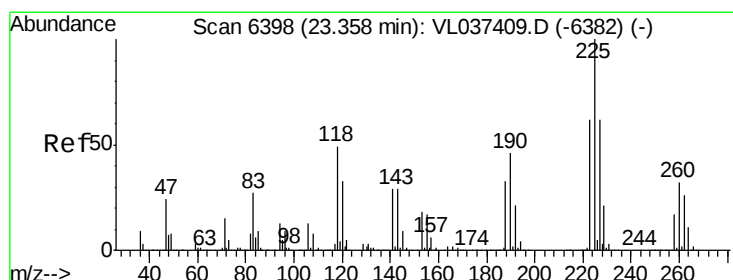
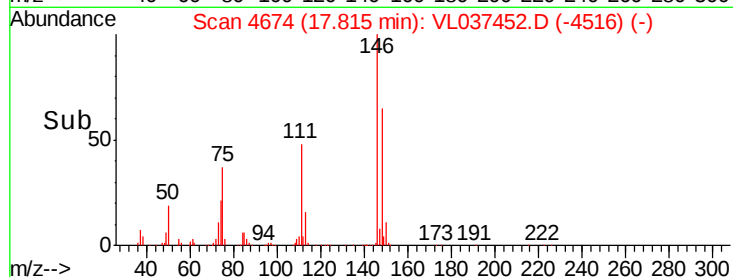
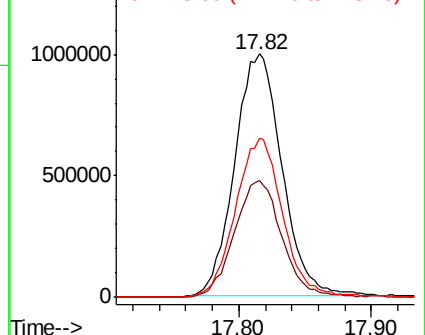
148 65.9 32.5 97.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.431 ppbv

RT: 23.37 min Scan# 6401

Delta R.T. 0.01 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

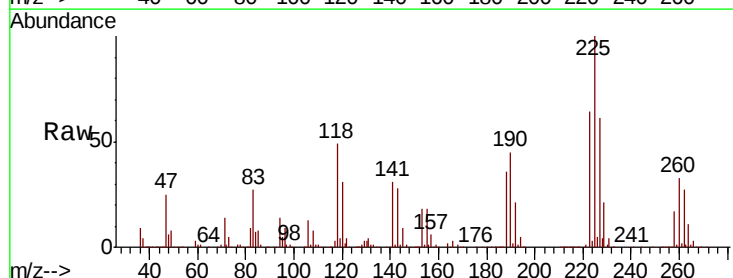
Tgt Ion:225 Resp: 1946005

Ion Ratio Lower Upper

225 100

223 63.0 51.2 76.8

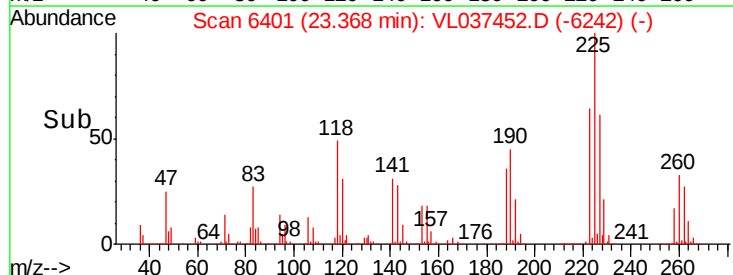
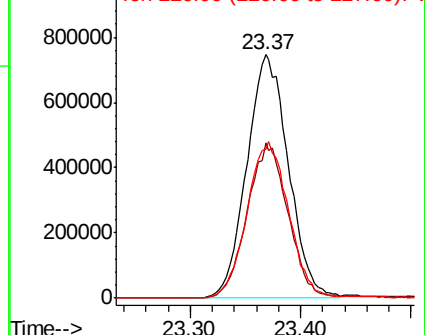
227 65.1 52.2 78.4

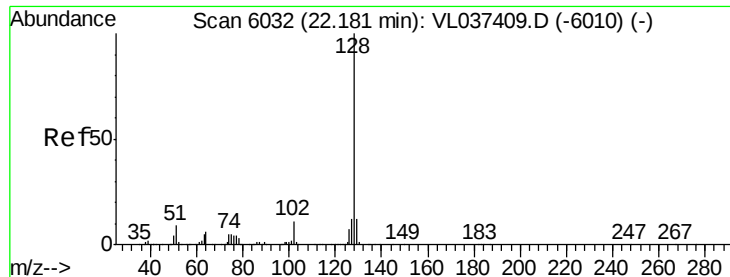


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.593 ppbv

RT: 22.19 min Scan# 6036

Delta R.T. 0.01 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

ClientSampled :

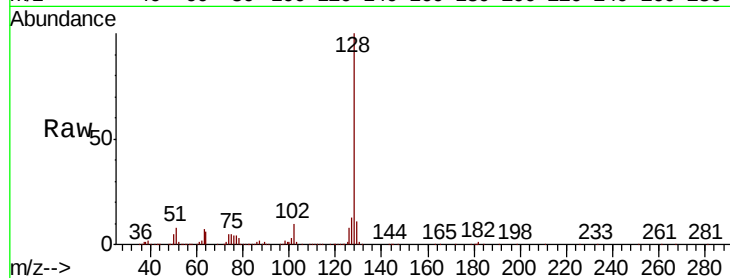
Tot Ion:128 Resp: 3161145

Ion Ratio Lower Upper

128 100

127 13.2 9.9 14.9

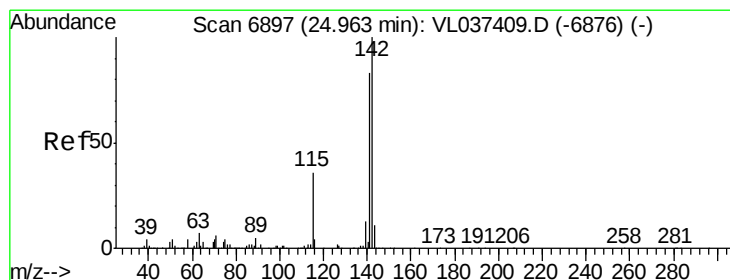
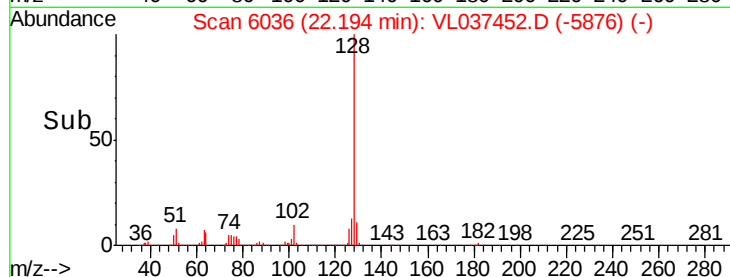
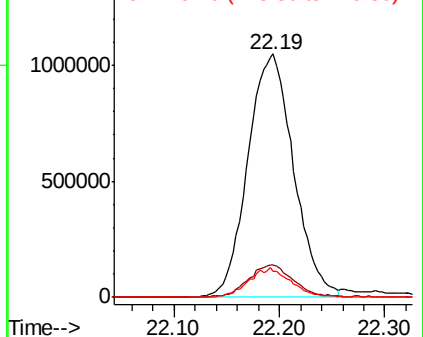
129 10.6 9.4 14.0



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 12.202 ppbv

RT: 24.97 min Scan# 6899

Delta R.T. 0.01 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

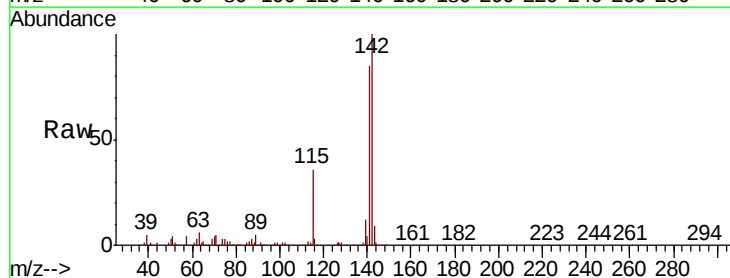
Tgt Ion:142 Resp: 769067

Ion Ratio Lower Upper

142 100

141 83.1 68.7 103.1

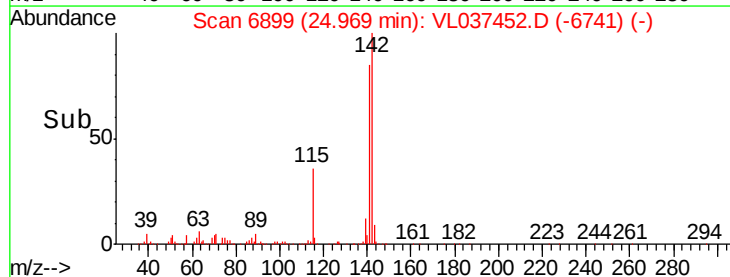
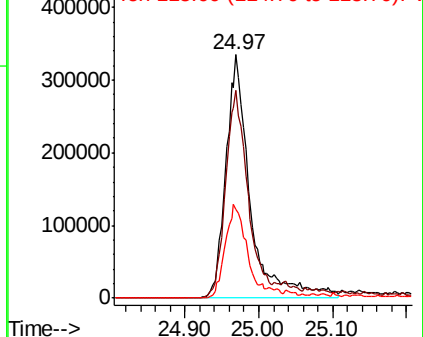
115 39.0 32.7 49.1

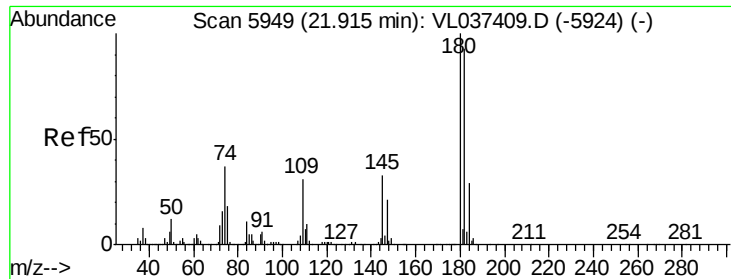


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 4.207 ppbv
 RT: 21.92 min Scan# 5952
 Delta R.T. 0.01 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	224.6	78.6	118.0#
184	70.5	24.6	36.8#

