

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037320.D
 Acq On : 4 Aug 2021 22:36
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 05 03:49:28 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 04 22:53:01 2021
 QLast Update : Wed Aug 04 22:53:01 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1208480	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3930150	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4325508	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2421835	8.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1663652	6.780	ppbv	100
3) Chlorodifluoromethane	2.98	51	2089083	8.502	ppbv	99
4) Chloromethane	3.14	50	768628	8.735	ppbv	93
5) Vinyl Chloride	3.25	62	827663	8.986	ppbv	97
6) Bromomethane	3.47	94	508189	8.941	ppbv	99
7) Chloroethane	3.55	64	300711	9.189	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2005671	8.544	ppbv	99
9) Propene	3.01	41	732999	8.250	ppbv	99
10) Heptane	8.11	43	1824731	8.794	ppbv	99
11) Trichlorofluoromethane	3.94	101	1976882	8.758	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1434638	8.741	ppbv	98
13) Ethanol	3.61	45	90759	6.782	ppbv	97
14) Bromoethene	3.73	108	672056	9.172	ppbv	99
15) Acetone	3.84	43	992596	7.561	ppbv	99
16) 1,3-Butadiene	3.32	39	735863	8.702	ppbv	99
17) tert-Butyl alcohol	4.29	59	1280968	9.716	ppbv	100
18) 1,1-Dichloroethene	4.29	96	675562	9.011	ppbv	96
19) Isopropyl Alcohol	3.96	45	698574	9.615	ppbv #	97
20) Methylene Chloride	4.34	84	598818	5.510	ppbv	100
21) Allyl Chloride	4.41	41	941103	8.857	ppbv	93
22) trans-1,2-Dichloroethene	4.88	96	659417	9.655	ppbv	98
23) Vinyl Acetate	5.06	43	1926623	9.719	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1503008	8.867	ppbv	100
25) Ethyl Acetate	5.67	43	2820186	8.261	ppbv	99
26) Hexane	5.68	57	1428077	7.476	ppbv	98
27) Carbon Disulfide	4.54	76	1564937	10.067	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1739259	8.574	ppbv	100
29) Chloroform	5.75	83	2109897	8.722	ppbv	98
30) Cyclohexane	7.12	84	1257981	8.540	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1354809	9.132	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2100434	9.107	ppbv	100
34) 2-Butanone	5.24	43	1254226	9.197	ppbv	99
35) Carbon Tetrachloride	7.01	117	2232231	9.517	ppbv	99
36) Benzene	6.88	78	3001856	8.487	ppbv	100
37) 1,2-Dichloroethane	6.30	62	1479826	9.096	ppbv	99
38) Trichloroethene	7.83	130	1269481	8.201	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1125924	8.549	ppbv	97
40) 1,4-Dioxane	7.83	88	289464	7.640	ppbv	87
41) Tetrahydrofuran	6.04	42	674146	8.889	ppbv	100
42) Bromodichloromethane	7.78	83	2259321	9.225	ppbv	95
43) Methyl Methacrylate	8.01	69	1088320	9.068	ppbv	98

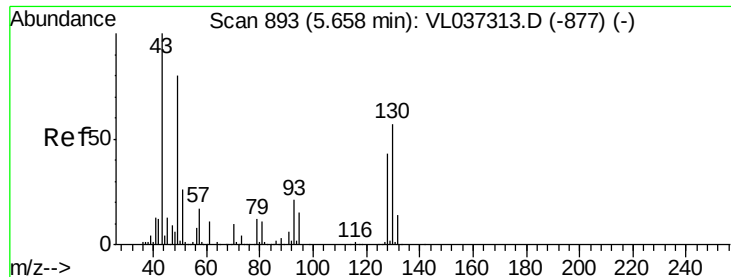
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4819901	8.244	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1006598	10.620	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1341043	9.827	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1216422	8.687	ppbv	98
48) Dibromochloromethane	10.29	129	1999464	9.635	ppbv	100
49) Bromoform	13.03	173	1523823	9.793	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1866542	8.938	ppbv	100
51) 2-Hexanone	10.13	43	920075	9.690	ppbv #	97
52) Tetrachloroethene	11.21	164	1231394	8.083	ppbv	98
53) Toluene	9.80	91	3520180	8.431	ppbv	98
54) 1,2-Dibromoethane	10.60	107	1767886	9.091	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1327629	7.109	ppbv #	60
57) Chlorobenzene	12.13	112	2588207	7.087	ppbv	99
58) Ethyl Benzene	12.70	91	4313840	6.790	ppbv	98
59) m/p-Xylene	12.98	91	4126214	7.710	ppbv #	41
60) o-Xylene	13.68	91	3251300	6.685	ppbv	98
61) Styrene	13.51	104	1905625	7.147	ppbv	100
62) Isopropylbenzene	14.65	105	5035090	7.130	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.66	83	2354603	6.667	ppbv	100
64) n-propylbenzene	15.55	120	1309213	7.090	ppbv	100
65) tert-Butylbenzene	16.73	119	4455870	6.842	ppbv	100
66) Benzyl Chloride	16.97	91	220798	8.722	ppbv	98
67) sec-Butylbenzene	17.28	105	6054311	6.892	ppbv	99
69) p-Isopropyltoluene	17.64	119	5283381	7.150	ppbv	100
70) n-Butylbenzene	18.54	91	4978747	7.366	ppbv	99
71) 2-Chlorotoluene	15.44	91	3412709	6.916	ppbv	100
72) 4-Ethyltoluene	15.82	105	4095074	6.975	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	3813947	7.225	ppbv	97
74) 1,2,4-Trimethylbenzene	16.75	105	4048582	7.187	ppbv	96
75) 1,3-Dichlorobenzene	16.98	146	2570697	7.423	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2514048	7.319	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2509119	7.439	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	2053307	6.779	ppbv	99
79) Naphthalene	22.18	128	4522297	8.746	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	1072931	12.769	ppbv	92
81) 1,2,4-Trichlorobenzene	21.91	180	2435244	8.107	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

Lab File: VL037320.D

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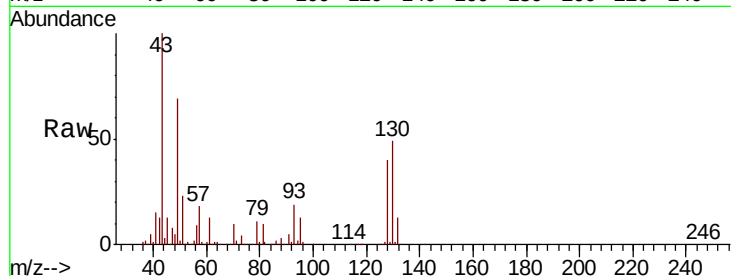
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 49 Resp: 1208480

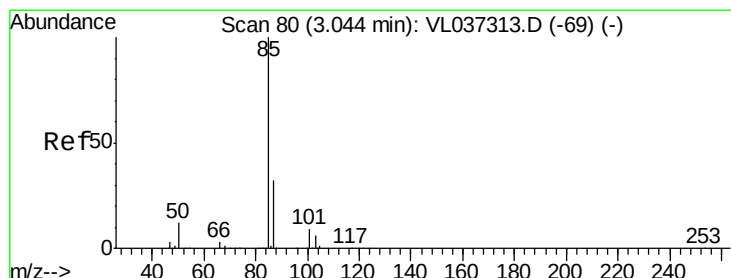
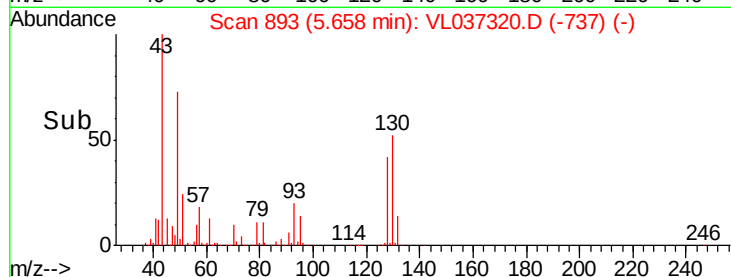
Ion	Ratio	Lower	Upper
49	100		
128	61.4	29.8	89.5
130	76.2	37.5	112.7



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: 6.780 ppbv

RT: 3.04 min Scan# 80

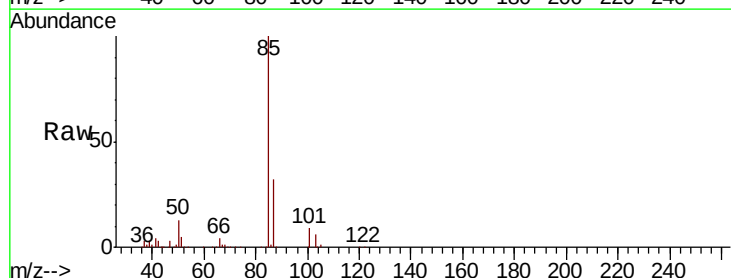
Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

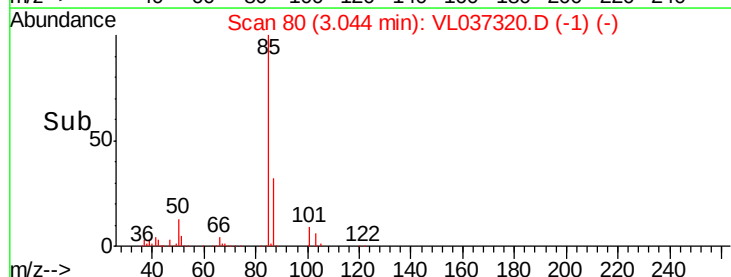
Tgt Ion: 85 Resp: 1663652

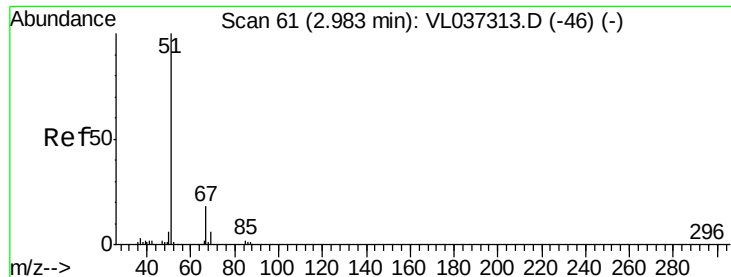
Ion	Ratio	Lower	Upper
85	100		
87	31.8	25.5	38.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

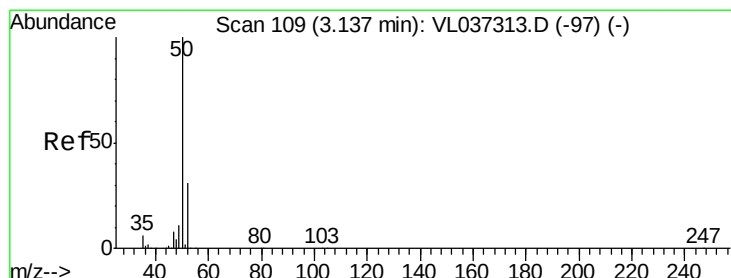
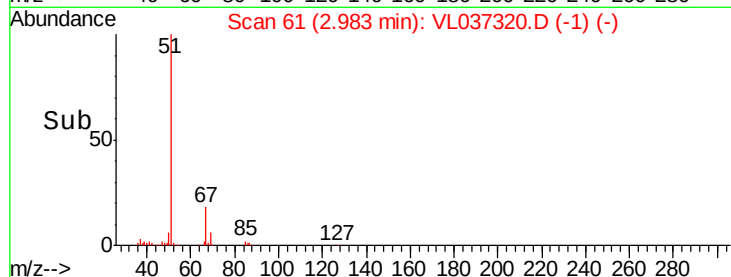
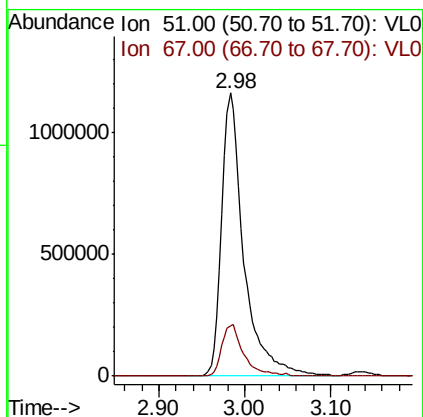
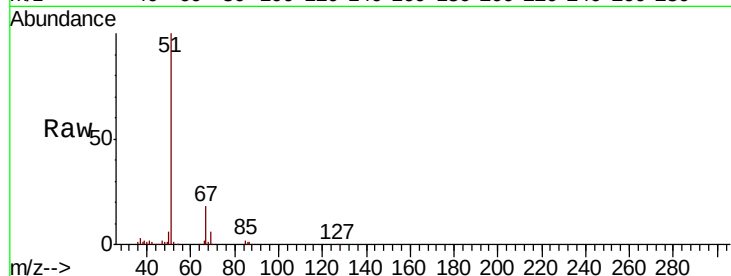




#3
Chlorodifluoromethane
Concen: 8.502 ppbv
RT: 2.98 min Scan# 61
Delta R.T. 0.00 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

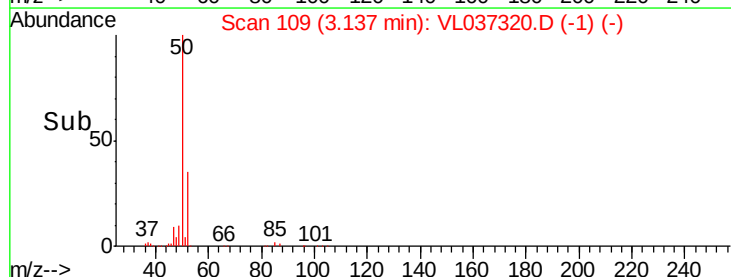
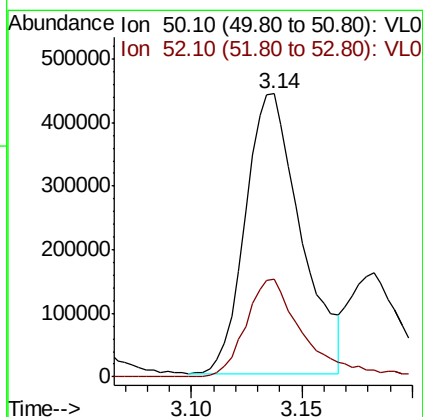
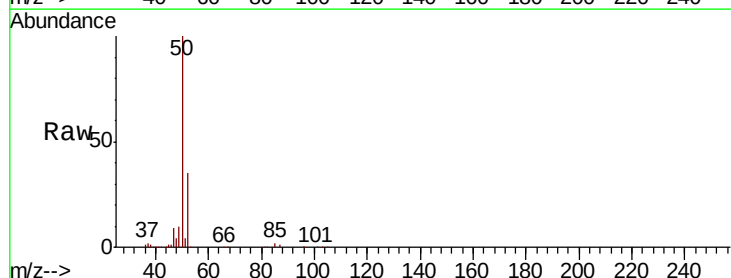
Instrument :
MSVOA_L
ClientSampleId :

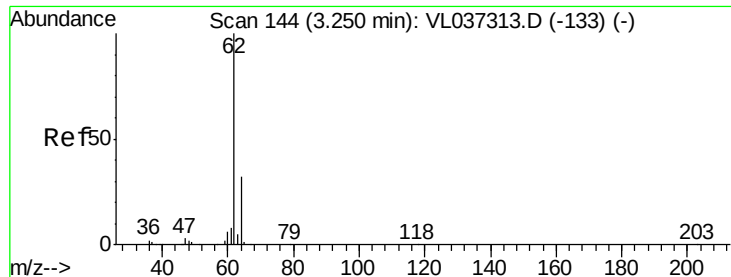
Tot Ion: 51 Resp: 2089083
Ion Ratio Lower Upper
51 100
67 18.3 14.2 21.2



#4
Chloromethane
Concen: 8.735 ppbv
RT: 3.14 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

Tgt Ion: 50 Resp: 768628
Ion Ratio Lower Upper
50 100
52 35.1 25.1 37.7





#5

Vinyl Chloride

Concen: 8.986 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Instrument :

MSVOA_L

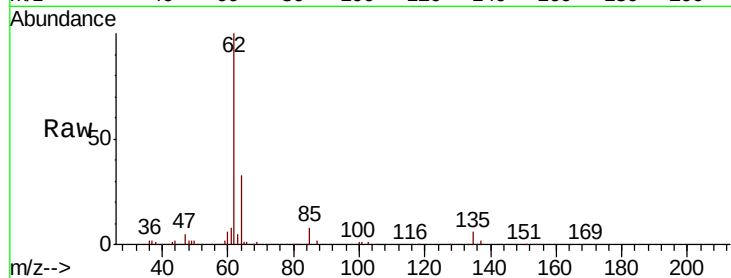
ClientSampled :

Tot Ion: 62 Resp: 827663

Ion Ratio Lower Upper

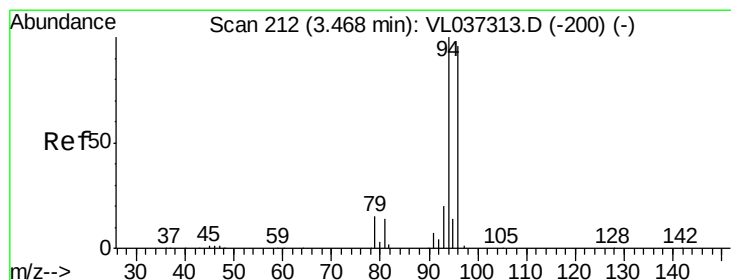
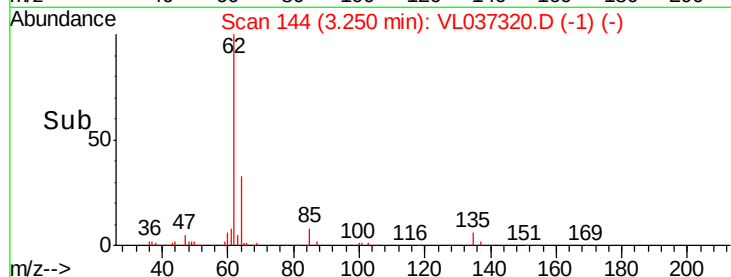
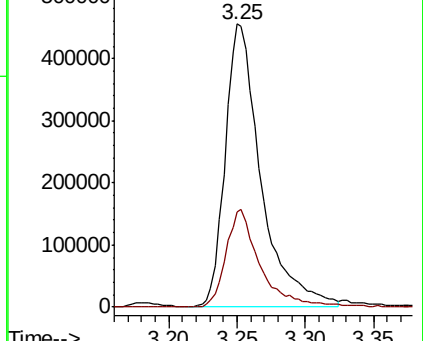
62 100

64 33.5 25.7 38.5



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.941 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL037320.D

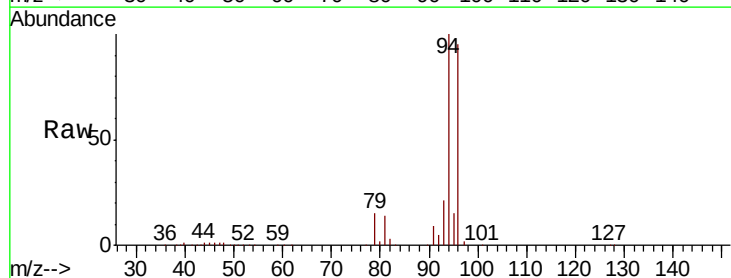
Acq: 4 Aug 2021 22:36

Tgt Ion: 94 Resp: 508189

Ion Ratio Lower Upper

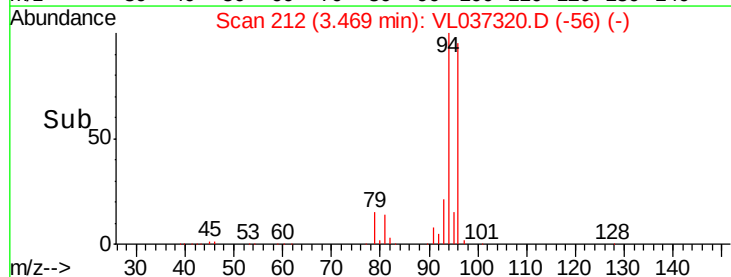
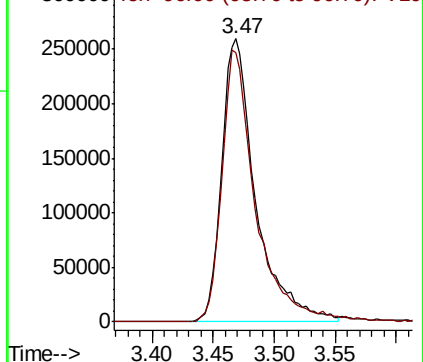
94 100

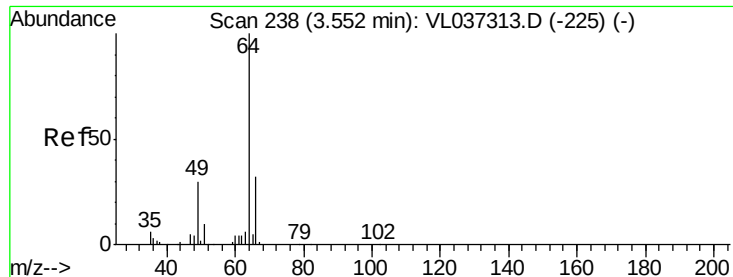
96 95.1 76.7 115.1



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.189 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Instrument :

MSVOA_L

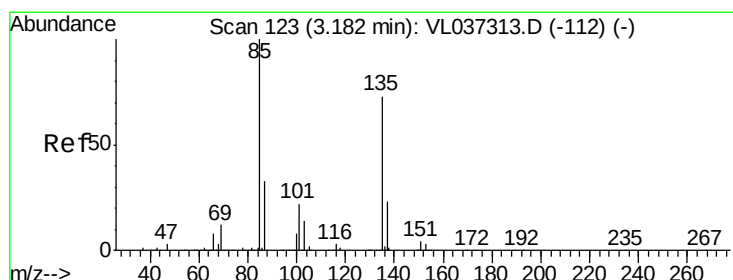
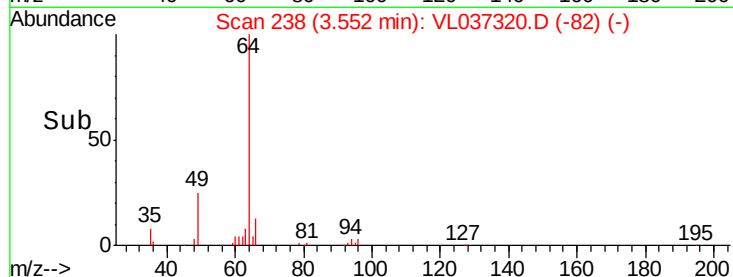
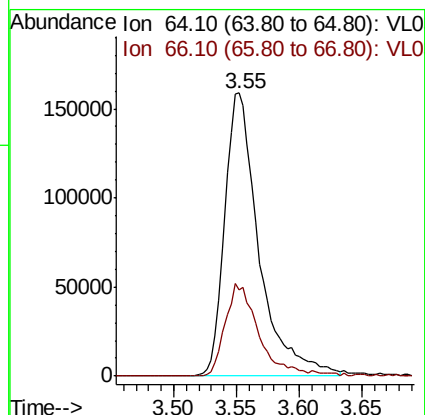
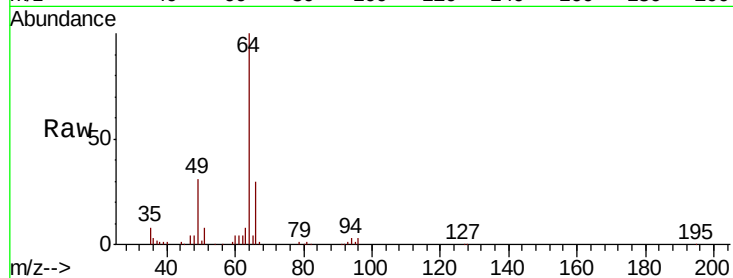
ClientSampleId :

Tot Ion: 64 Resp: 300711

Ion Ratio Lower Upper

64 100

66 30.3 25.5 38.3



#8

Dichlorotetrafluoroethane

Concen: 8.544 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL037320.D

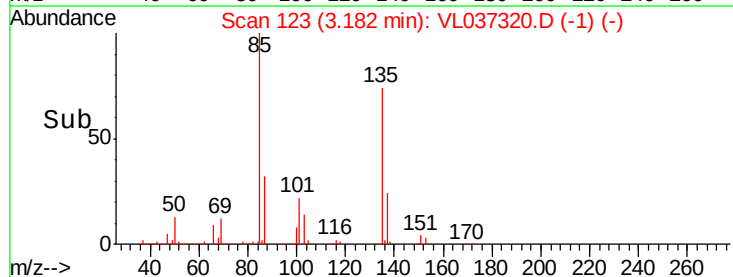
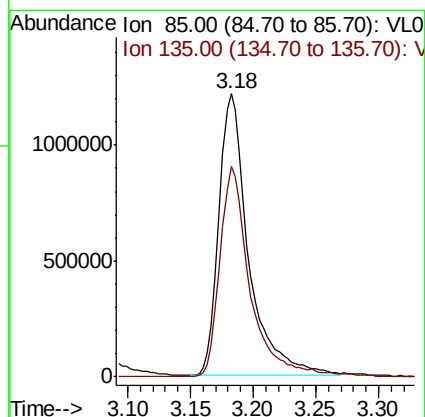
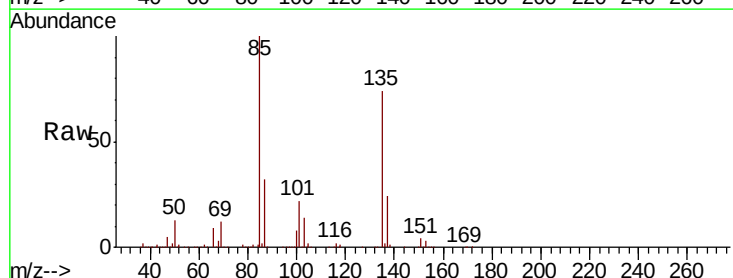
Acq: 4 Aug 2021 22:36

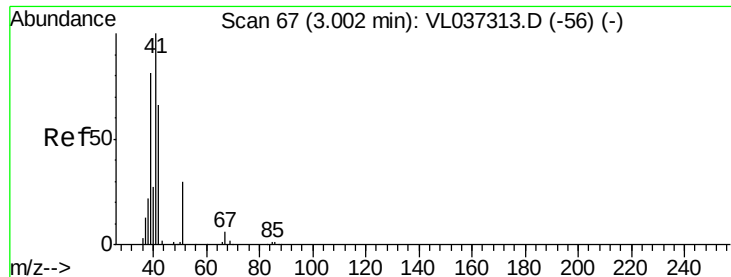
Tgt Ion: 85 Resp: 2005671

Ion Ratio Lower Upper

85 100

135 77.0 60.6 91.0





#9

Propene

Concen: 8.250 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Instrument :

MSVOA_L

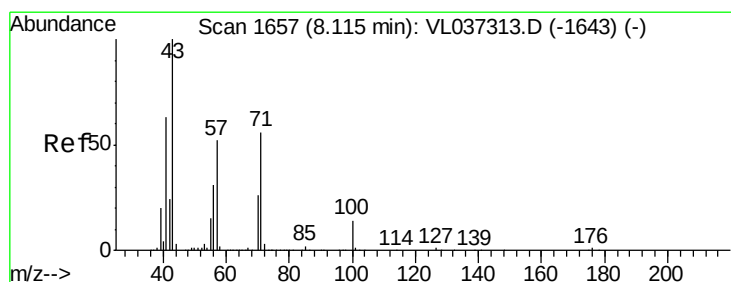
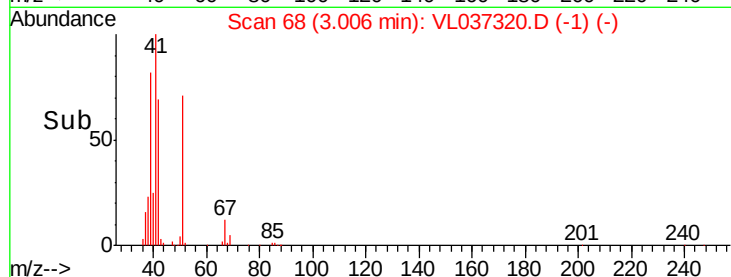
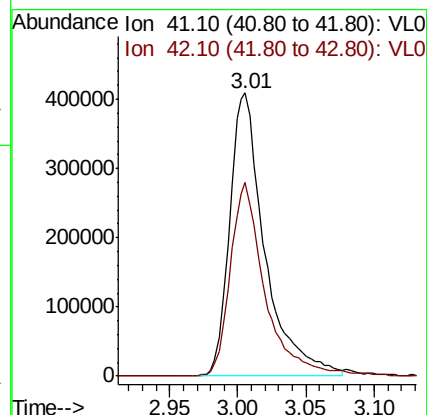
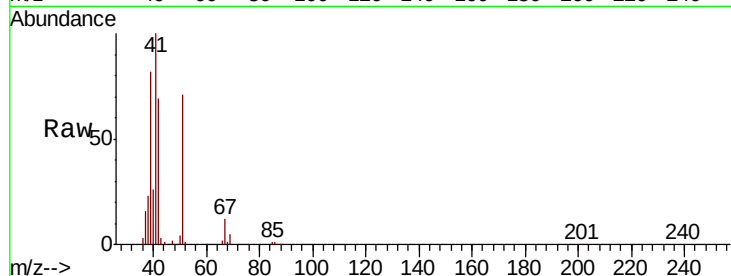
ClientSampleId :

Tot Ion: 41 Resp: 732999

Ion Ratio Lower Upper

41 100

42 68.1 53.8 80.8



#10

Heptane

Concen: 8.794 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VL037320.D

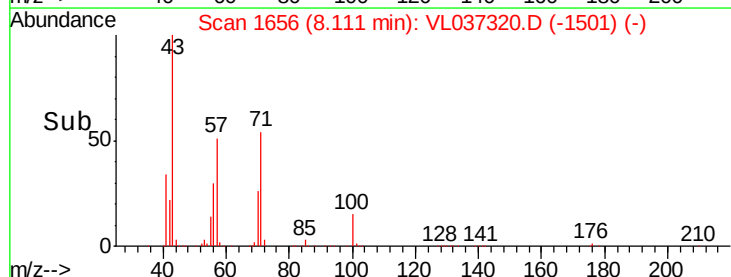
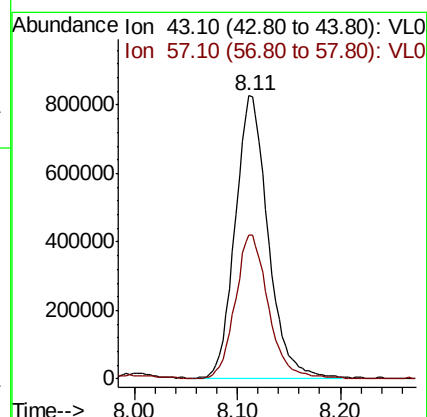
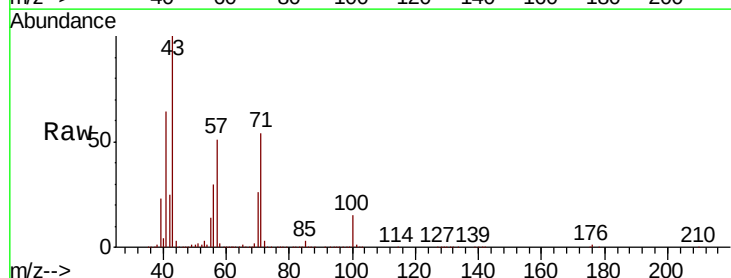
Acq: 4 Aug 2021 22:36

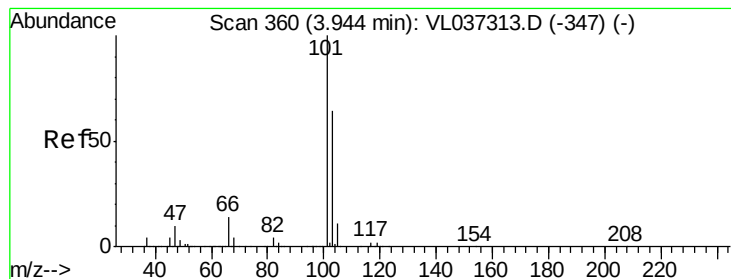
Tgt Ion: 43 Resp: 1824731

Ion Ratio Lower Upper

43 100

57 52.0 42.4 63.6





#11

Trichlorofluoromethane

Concen: 8.758 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Instrument :

MSVOA_L

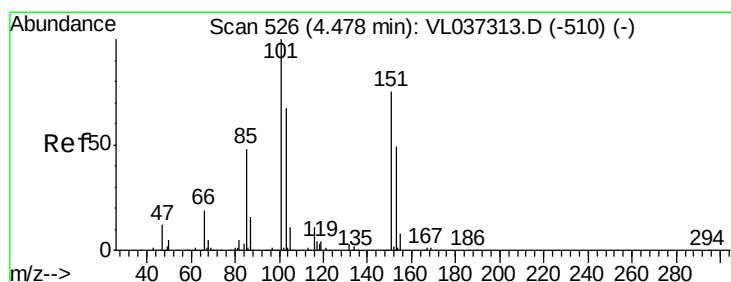
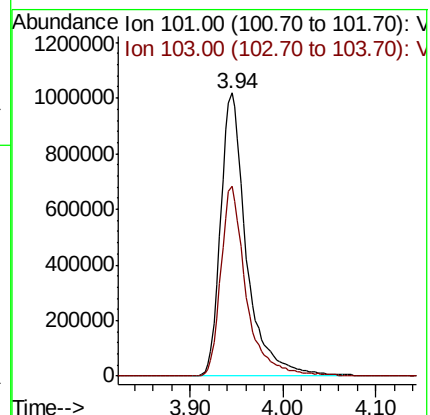
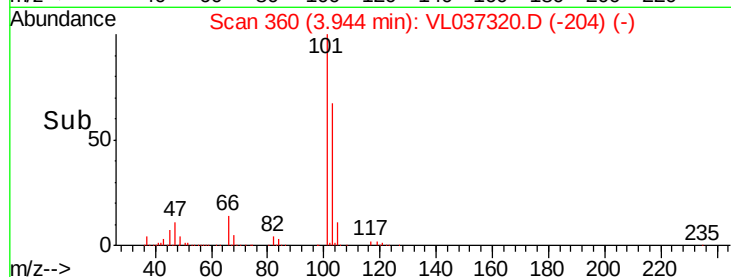
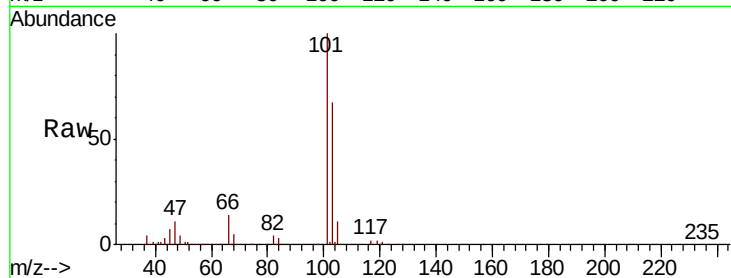
ClientSampled :

Tot Ion:101 Resp: 1976882

Ion Ratio Lower Upper

101 100

103 67.0 51.6 77.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.741 ppbv

RT: 4.48 min Scan# 526

Delta R.T. 0.00 min

Lab File: VL037320.D

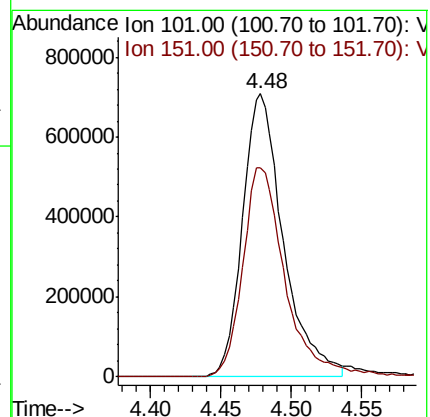
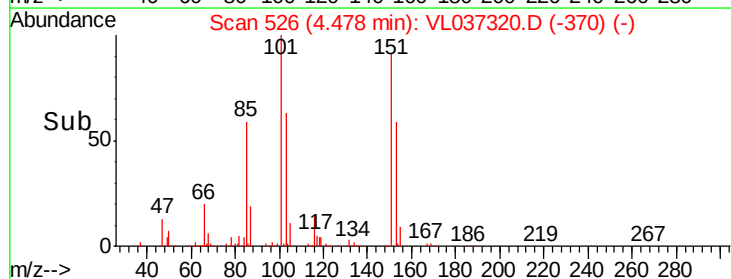
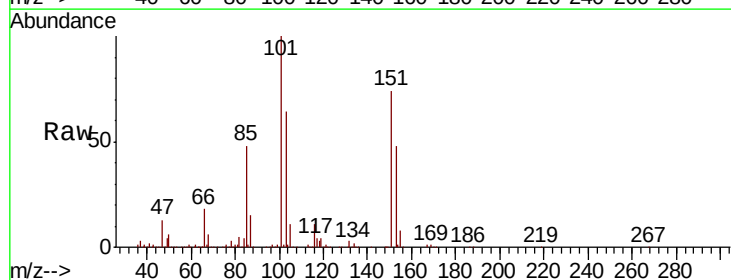
Acq: 4 Aug 2021 22:36

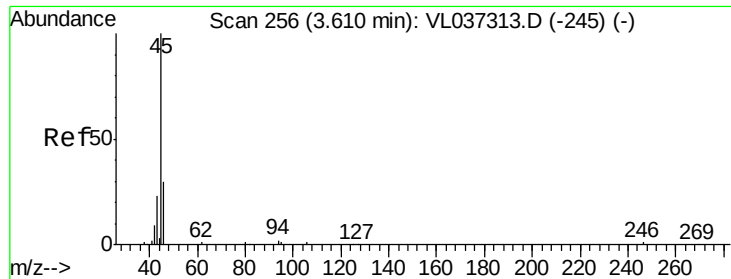
Tgt Ion:101 Resp: 1434638

Ion Ratio Lower Upper

101 100

151 77.8 60.6 91.0

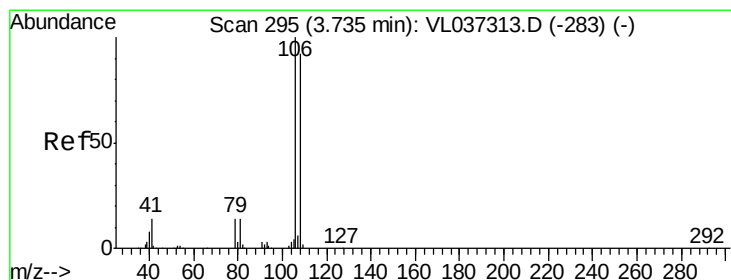
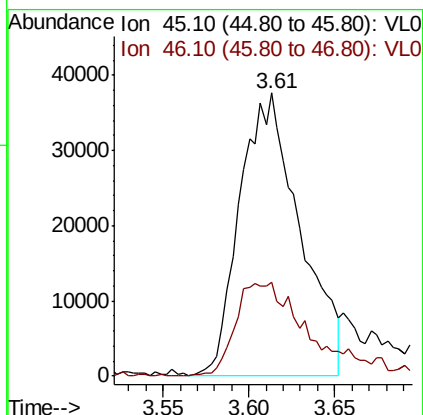
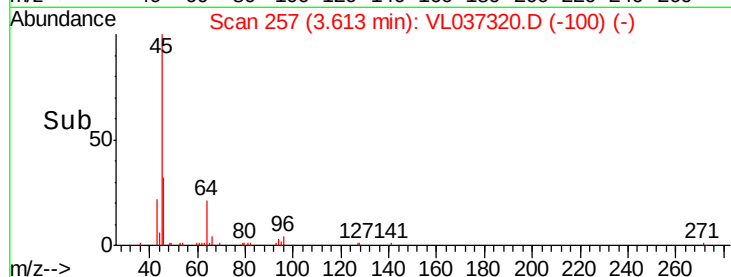
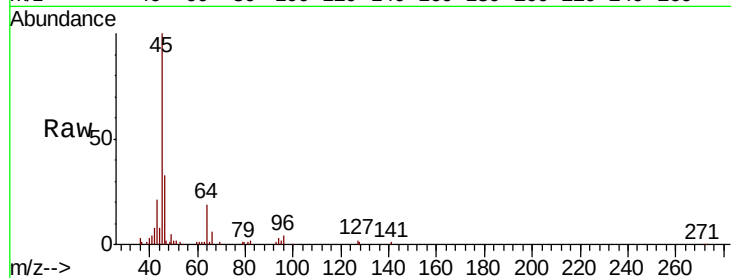




#13
Ethanol
Concen: 6.782 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.00 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

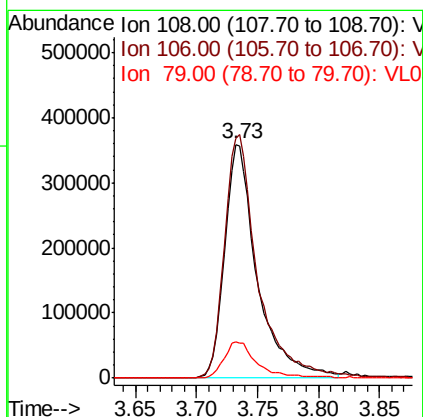
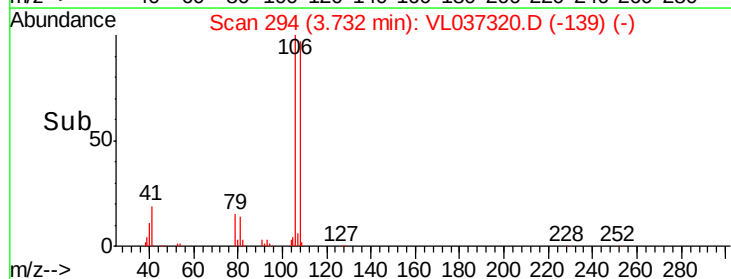
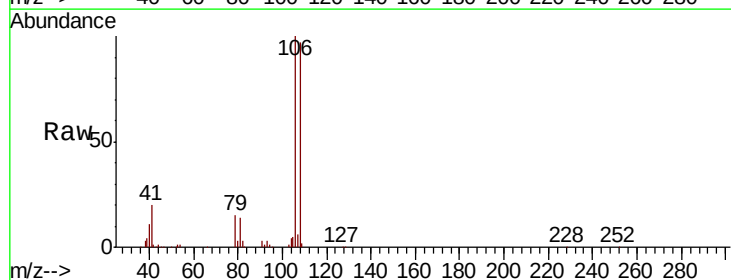
Instrument :
MSVOA_L
ClientSampleId :

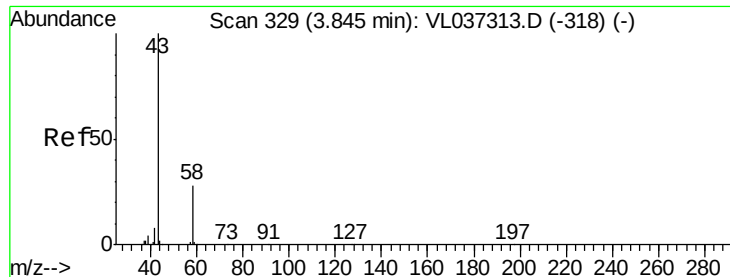
Tot Ion: 45 Resp: 90759
Ion Ratio Lower Upper
45 100
46 43.4 16.6 66.4



#14
Bromoethene
Concen: 9.172 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.00 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

Tgt Ion: 108 Resp: 672056
Ion Ratio Lower Upper
108 100
106 107.3 86.9 130.3
79 16.1 12.3 18.5





#15

Acetone

Concen: 7.561 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Instrument :

MSVOA_L

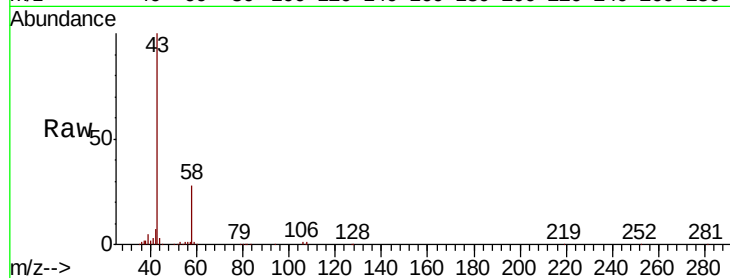
ClientSampleId :

Tot Ion: 43 Resp: 992596

Ion Ratio Lower Upper

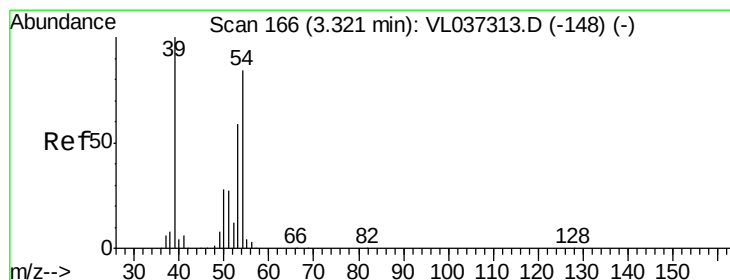
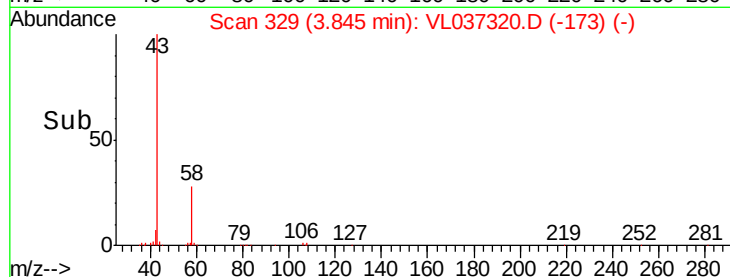
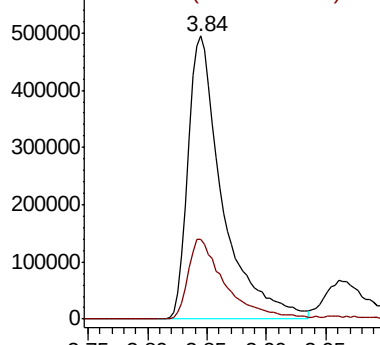
43 100

58 32.3 25.3 37.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 8.702 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL037320.D

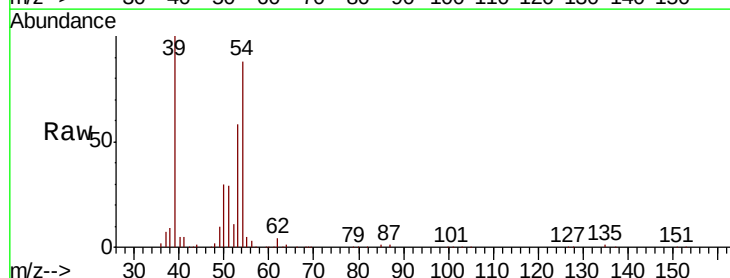
Acq: 4 Aug 2021 22:36

Tgt Ion: 39 Resp: 735863

Ion Ratio Lower Upper

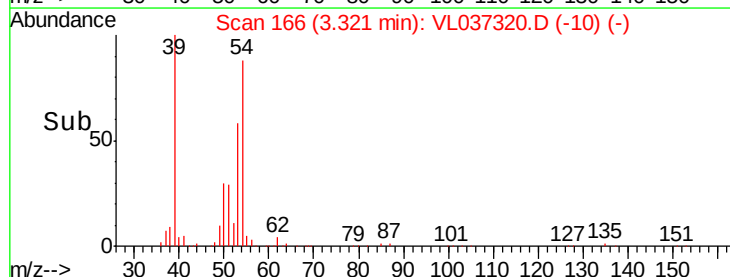
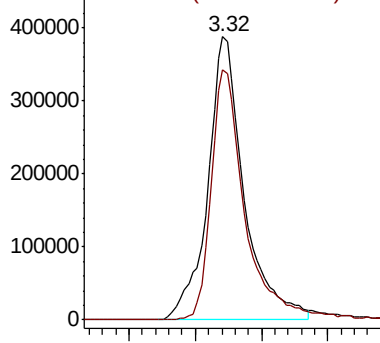
39 100

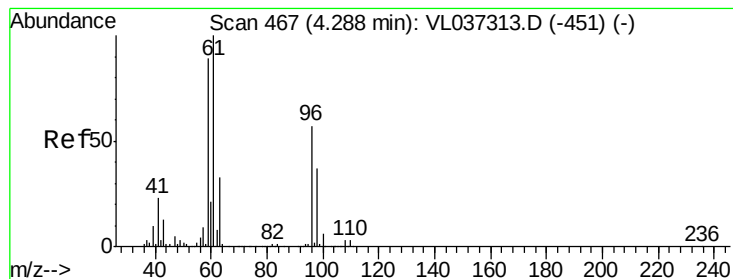
54 83.7 66.1 99.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.716 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Instrument :

MSVOA_L

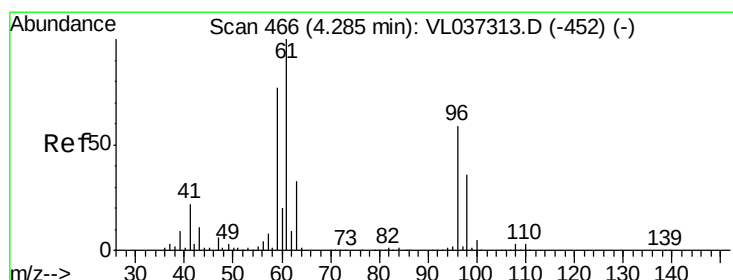
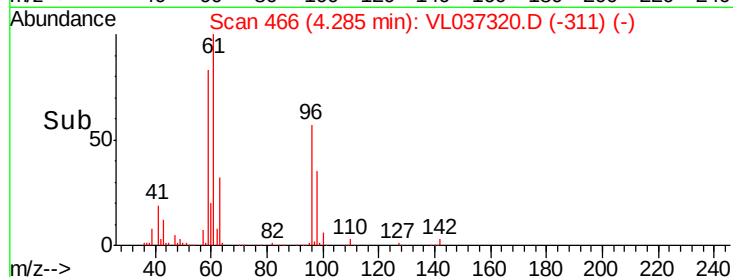
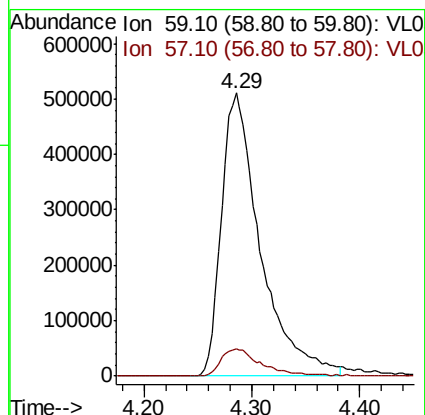
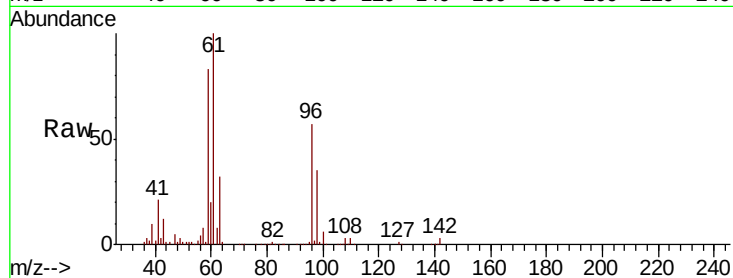
ClientSampled :

Tot Ion: 59 Resp: 1280968

Ion Ratio Lower Upper

59 100

57 10.5 8.6 12.8



#18

1,1-Dichloroethene

Concen: 9.011 ppbv

RT: 4.29 min Scan# 466

Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

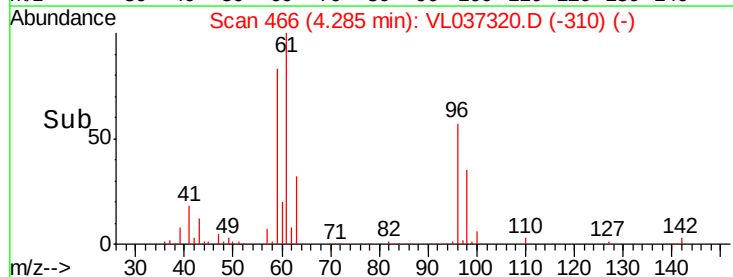
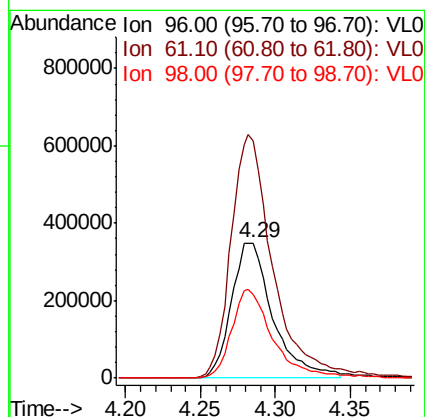
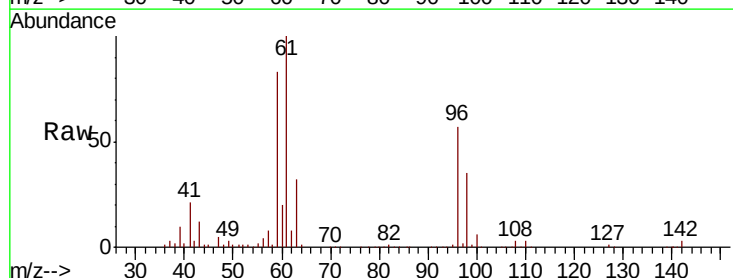
Tgt Ion: 96 Resp: 675562

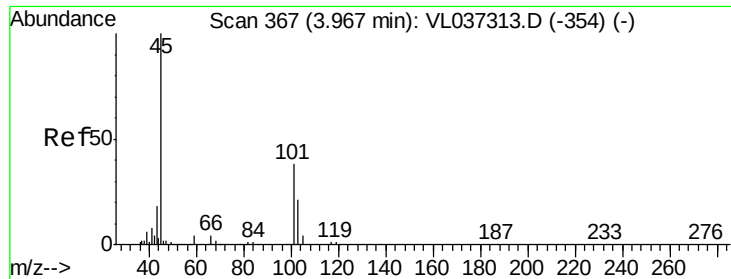
Ion Ratio Lower Upper

96 100

61 175.6 135.7 203.5

98 61.6 48.6 72.8





#19

Isopropyl Alcohol

Concen: 9.615 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Instrument :

MSVOA_L

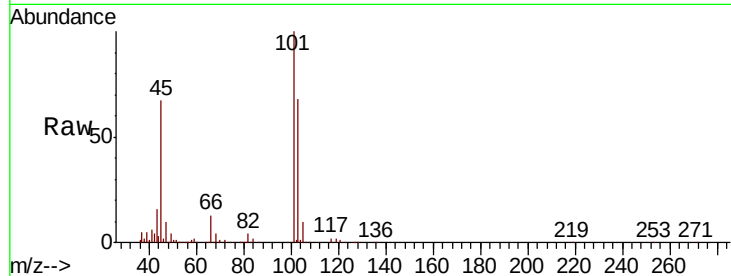
ClientSampled :

Tot Ion: 45 Resp: 698574

Ion Ratio Lower Upper

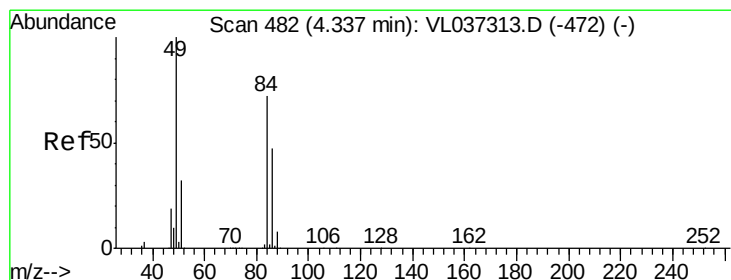
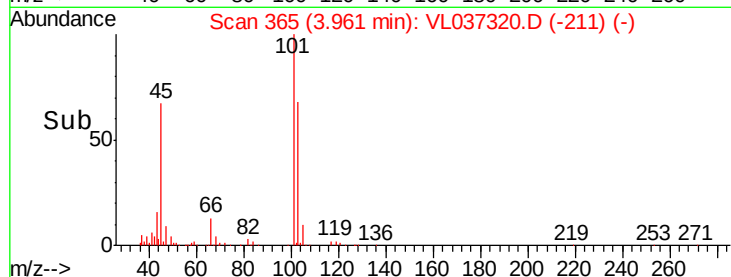
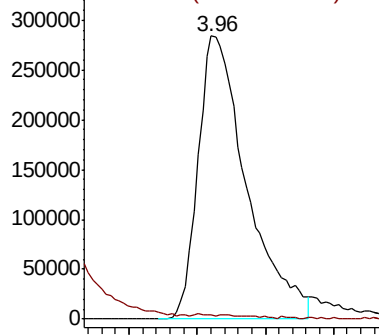
45 100

58 1.4 1.8 2.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 5.510 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Tgt Ion: 84 Resp: 598818

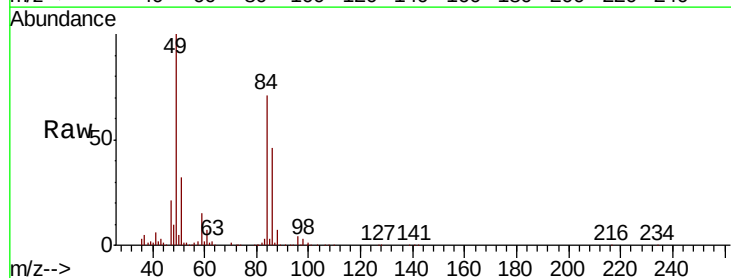
Ion Ratio Lower Upper

84 100

49 138.1 110.4 165.6

51 43.9 35.8 53.6

86 64.3 51.8 77.8

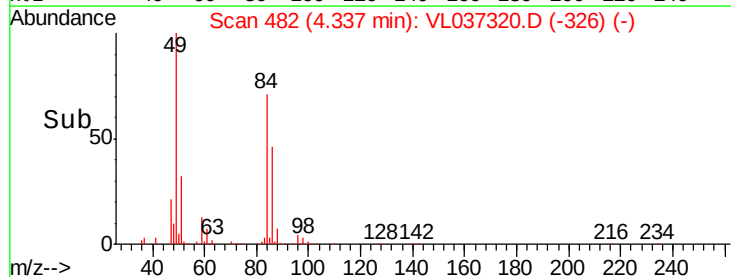
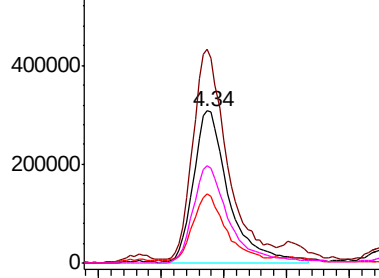


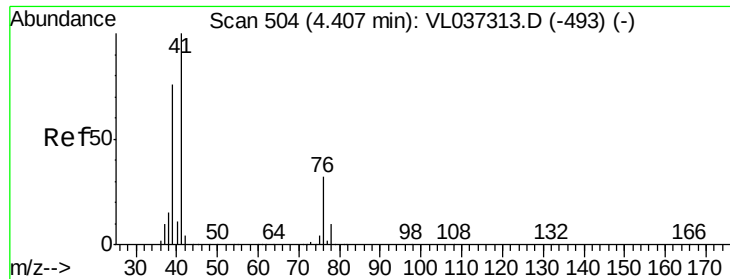
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#21

Allvl Chloride

Concen: 8.857 ppbv

RT: 4.41 min Scan# 504

Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Instrument :
MSVOA_L
ClientSampled :

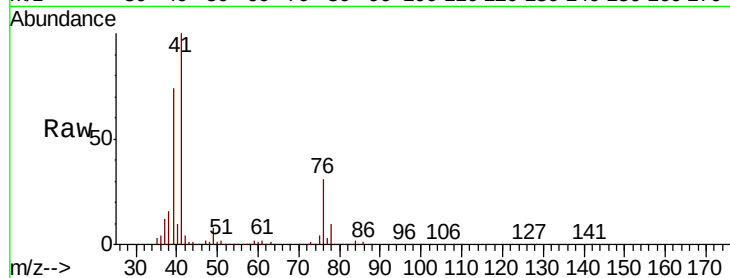
Tot Ion: 41 Resp: 941103

Ion Ratio Lower Upper

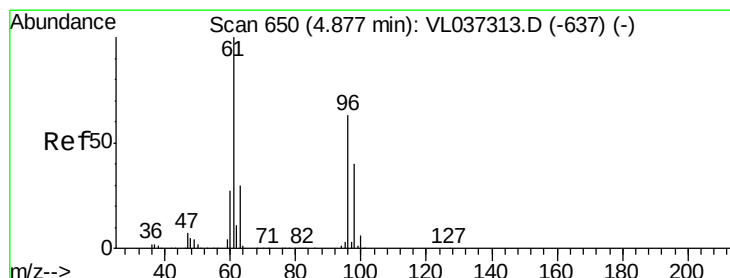
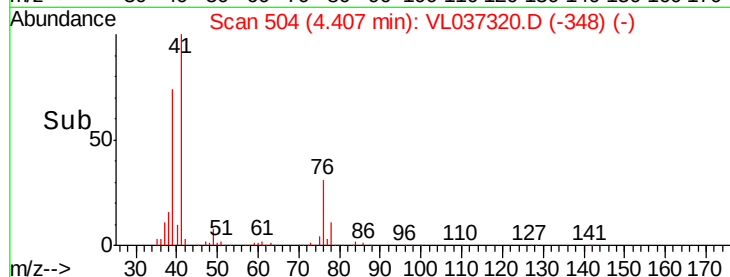
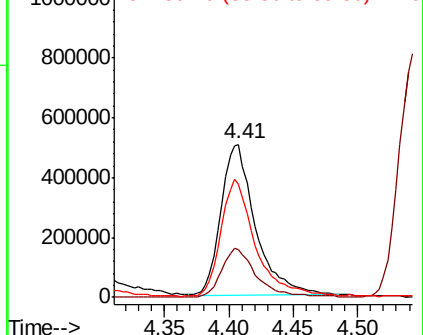
41 100

76 33.1 25.7 38.5

39 81.2 59.0 88.4



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



#22

trans-1,2-Dichloroethene

Concen: 9.655 ppbv

RT: 4.88 min Scan# 650

Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

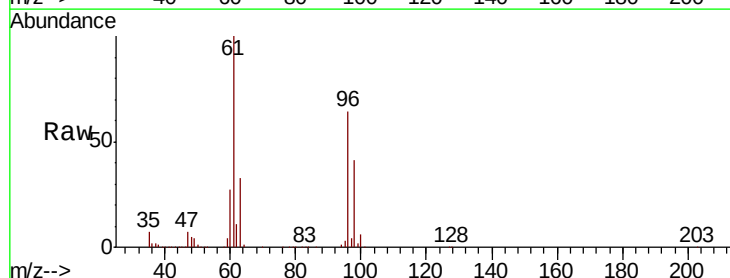
Tgt Ion: 96 Resp: 659417

Ion Ratio Lower Upper

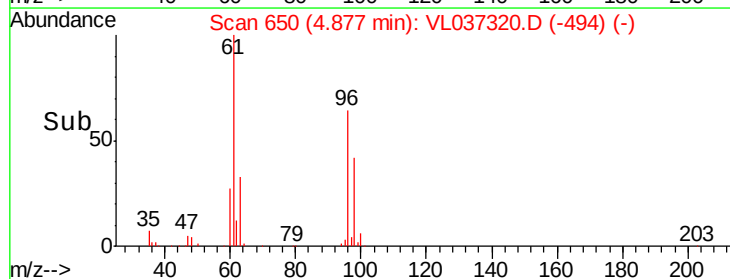
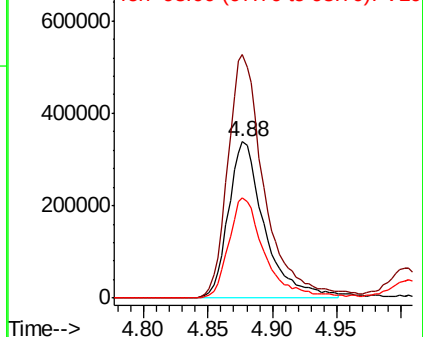
96 100

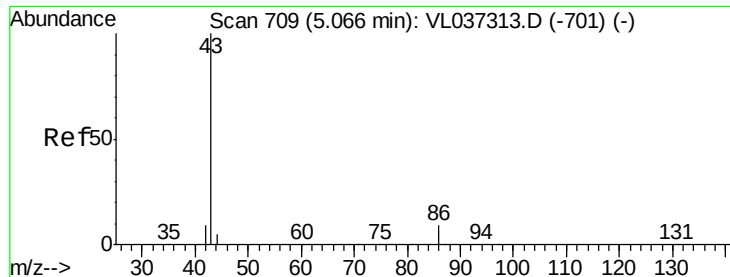
61 156.0 126.7 190.1

98 64.6 50.9 76.3



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





#23

Vinyl Acetate

Concen: 9.719 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

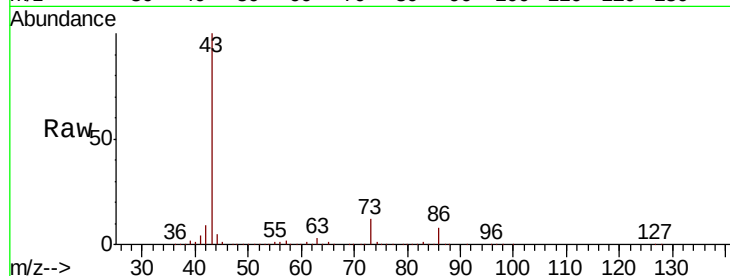
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1926623

Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.2	9.2
42	9.1	7.7	11.5
44	4.7	3.7	5.5

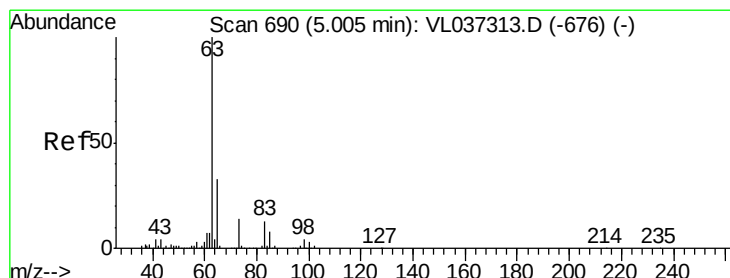
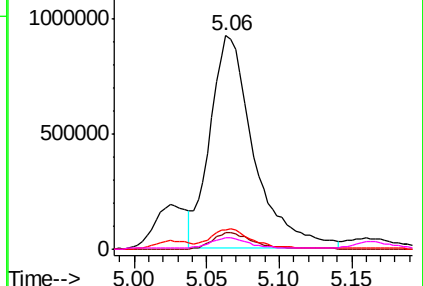
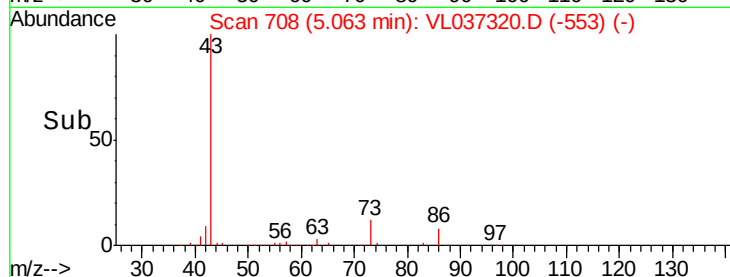


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.867 ppbv

RT: 5.00 min Scan# 689

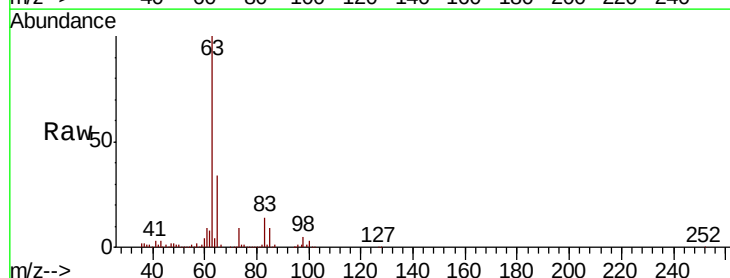
Delta R.T. -0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Tgt Ion: 63 Resp: 1503008

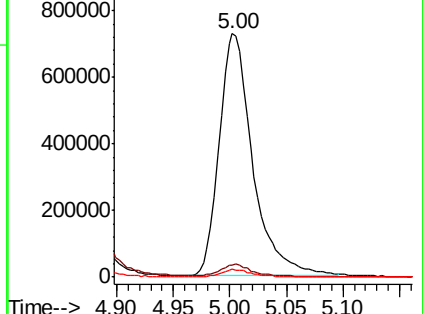
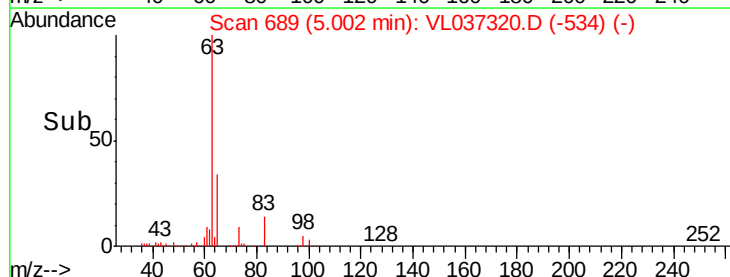
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.4	7.2
100	3.0	1.5	4.4

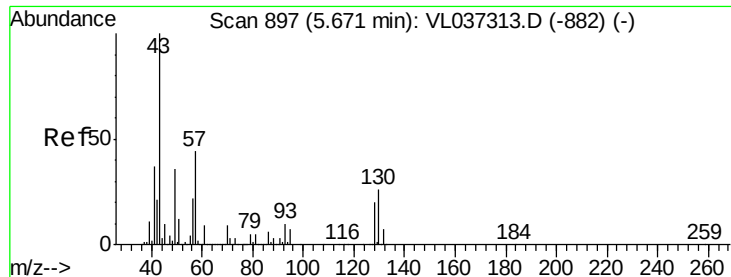


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



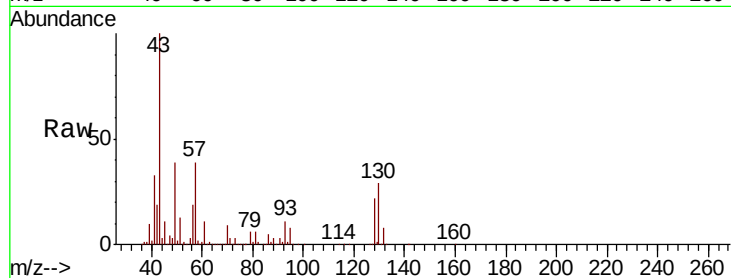


#25
Ethyl Acetate
Concen: 8.261 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2820186

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.8
61	10.2	8.6	12.8
70	7.4	5.9	8.9



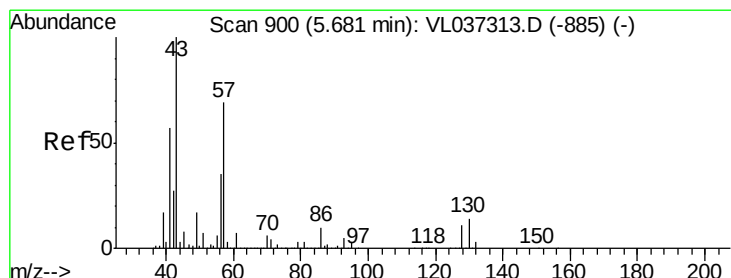
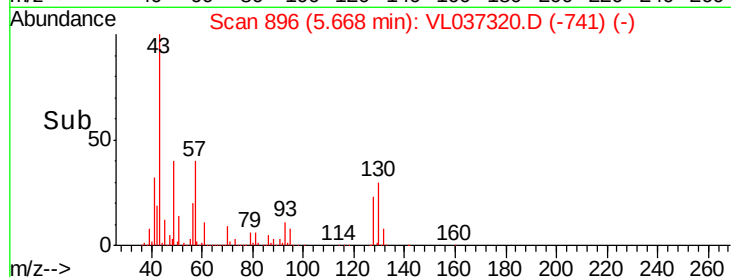
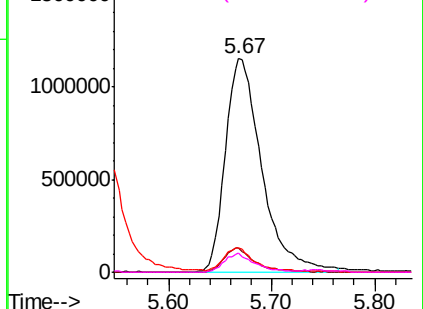
Abundance

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

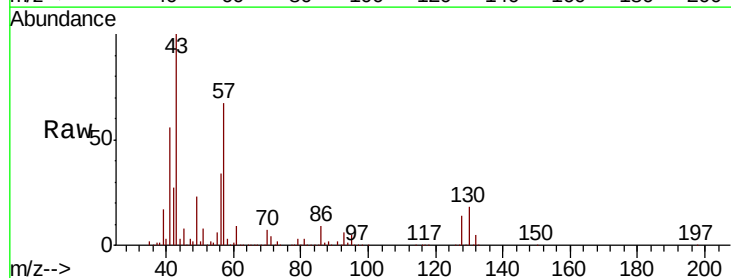
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 7.476 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

Tgt Ion: 57 Resp: 1428077

Ion	Ratio	Lower	Upper
57	100		
41	83.7	67.5	101.3
43	200.1	163.0	244.4
56	51.1	41.5	62.3



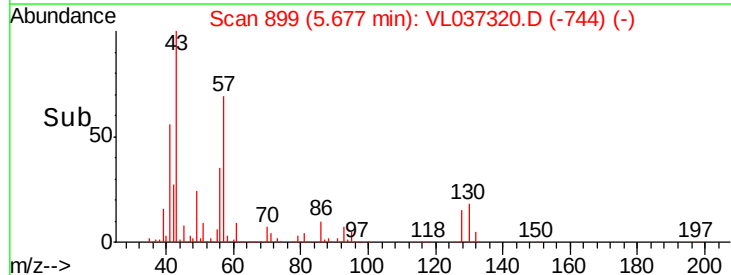
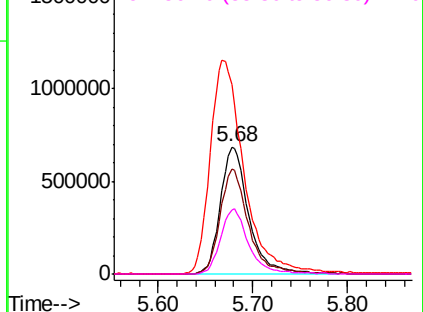
Abundance

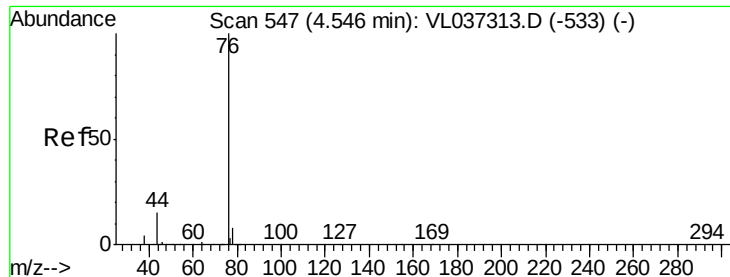
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.067 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

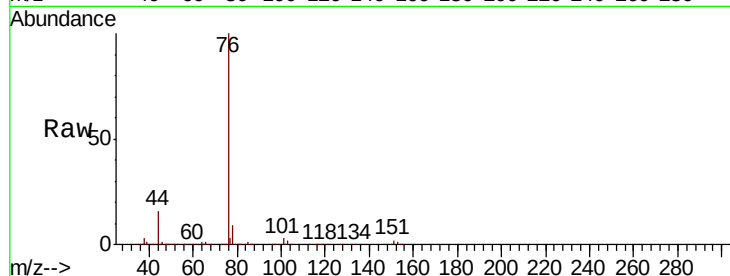
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 76 Resp: 1564937

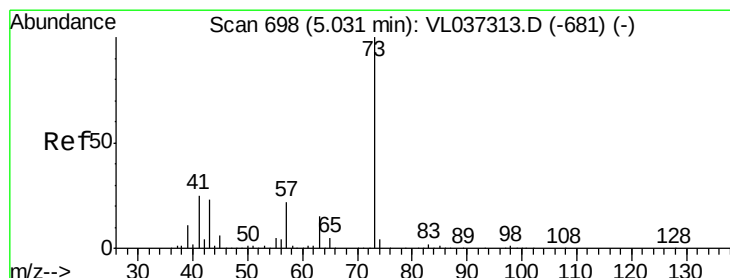
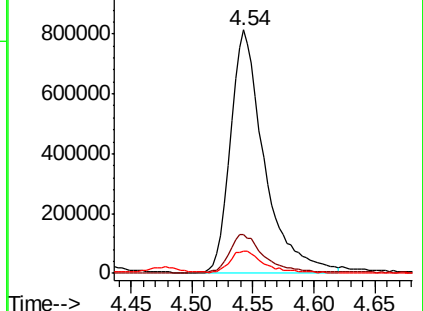
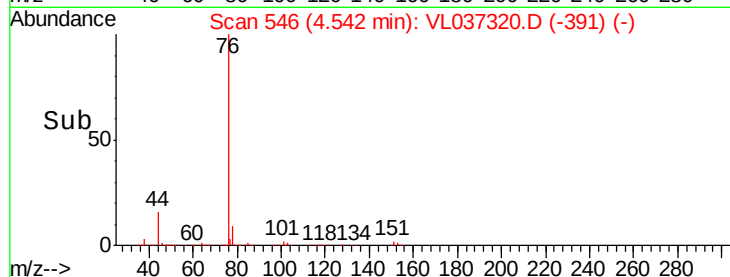
Ion	Ratio	Lower	Upper
76	100		
44	16.8	13.1	19.7
78	10.0	8.0	12.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.574 ppbv

RT: 5.03 min Scan# 697

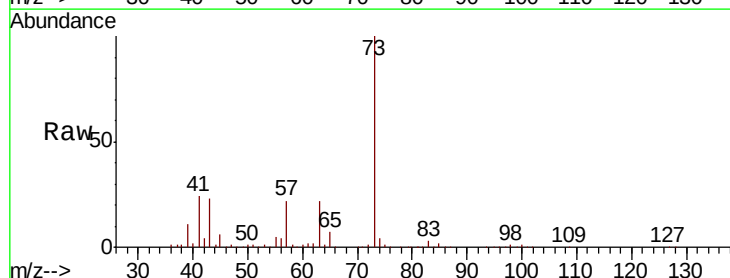
Delta R.T. -0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

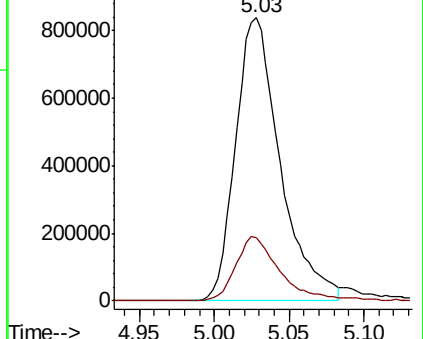
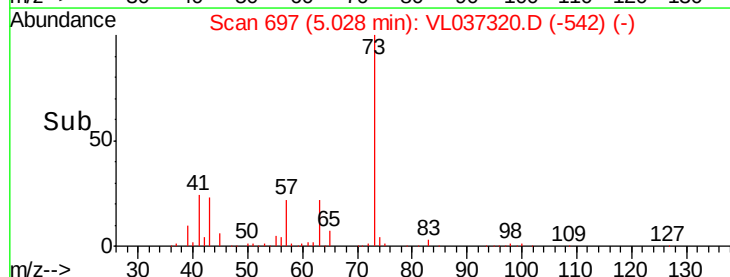
Tgt Ion: 73 Resp: 1739259

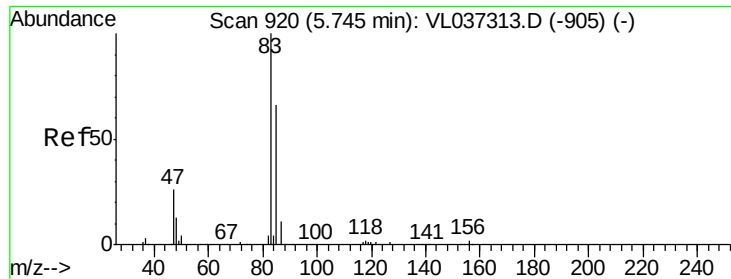
Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.2	27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

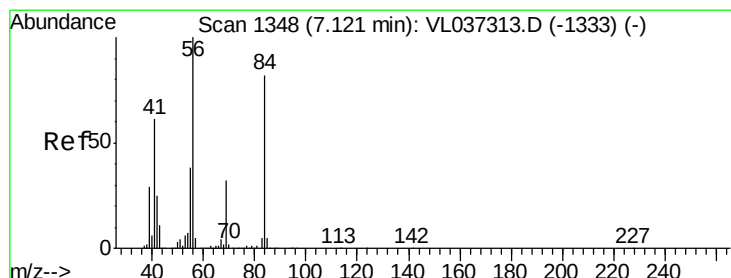
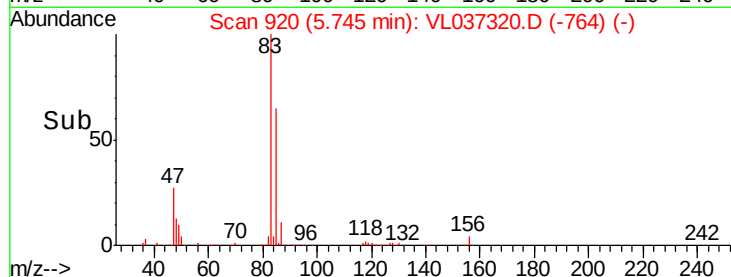
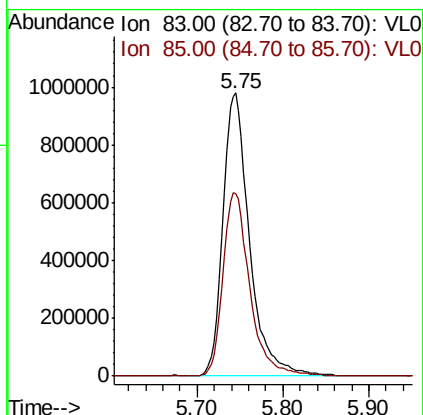
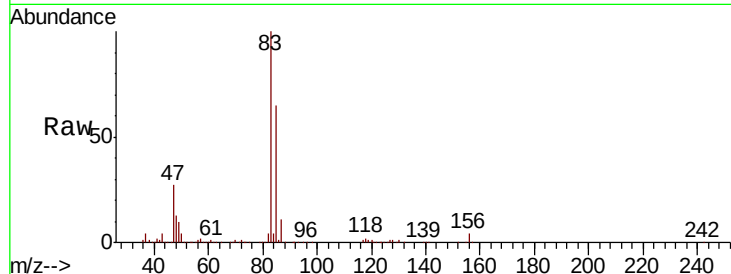




#29
Chloroform
Concen: 8.722 ppbv
RT: 5.75 min Scan# 920
Delta R.T. 0.00 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

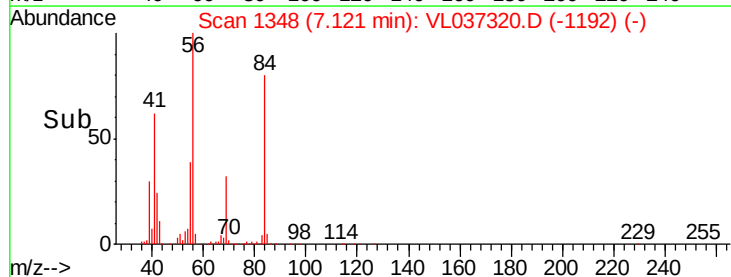
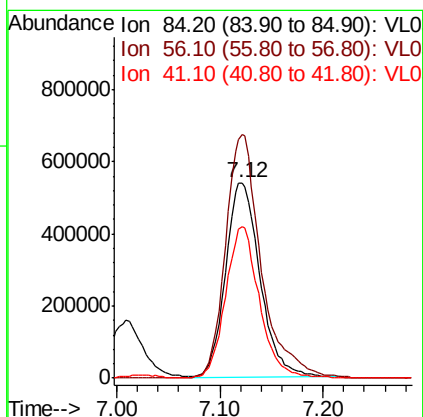
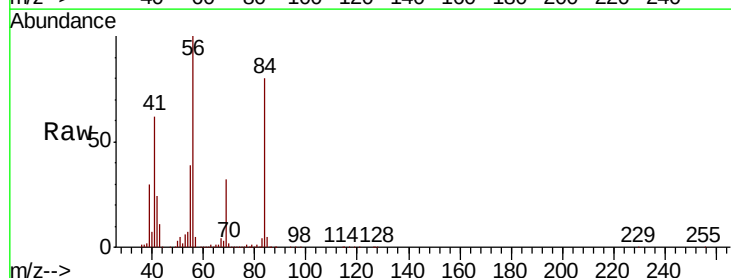
Instrument :
MSVOA_L
ClientSampleId :

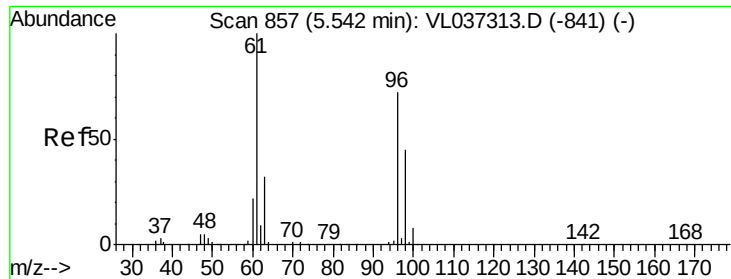
Tot Ion: 83 Resp: 2109897
Ion Ratio Lower Upper
83 100
85 64.3 52.6 79.0



#30
Cyclohexane
Concen: 8.540 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. 0.00 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

Tgt Ion: 84 Resp: 1257981
Ion Ratio Lower Upper
84 100
56 130.0 105.2 157.8
41 76.3 61.3 91.9



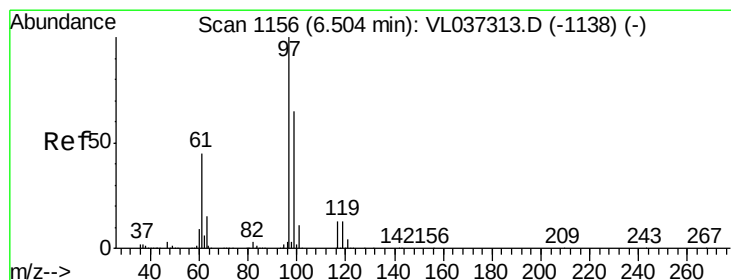
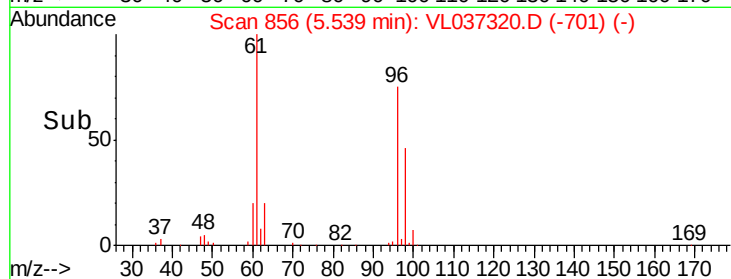
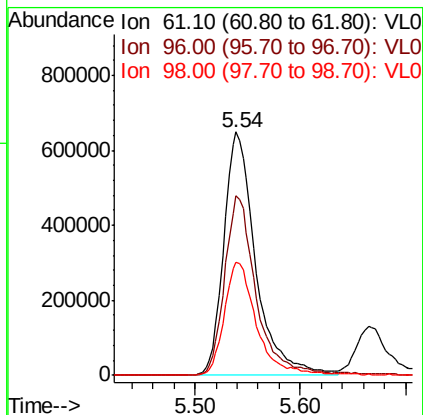
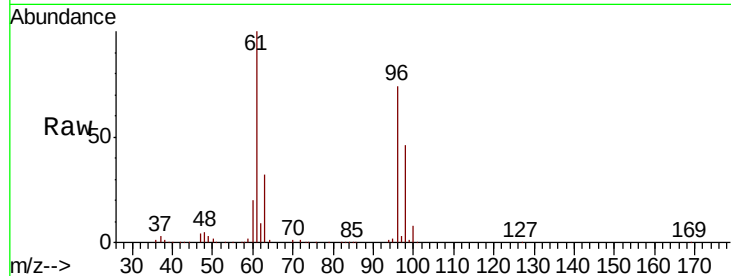


#31

cis-1,2-Dichloroethene
 Concen: 9.132 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VL037320.D
 Acq: 4 Aug 2021 22:36

Instrument :
 MSVOA_L
 ClientSampled :

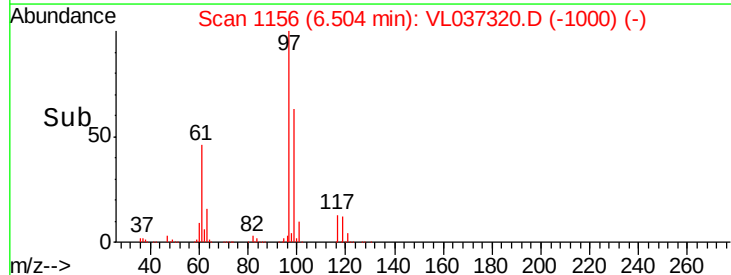
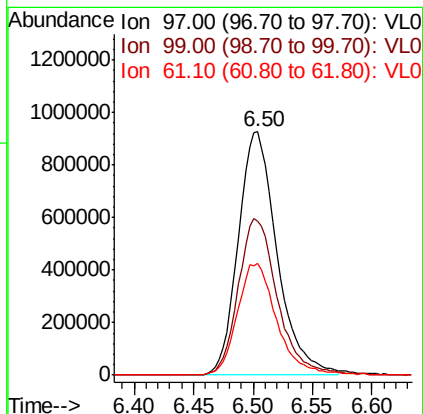
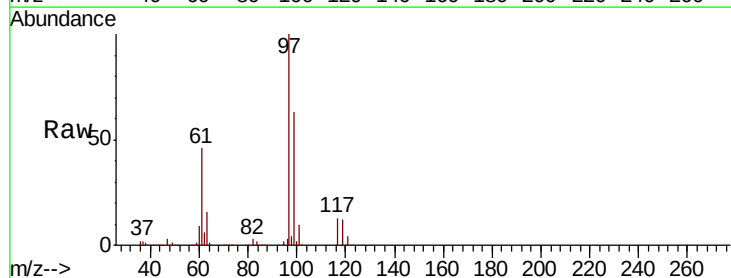
Tot Ion: 61 Resp: 1354809
 Ion Ratio Lower Upper
 61 100
 96 73.5 57.4 86.0
 98 46.4 36.3 54.5

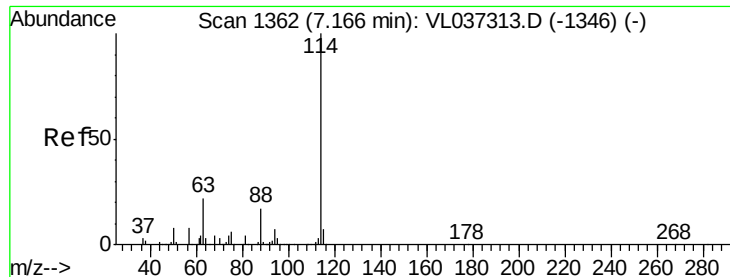


#32

1,1,1-Trichloroethane
 Concen: 9.107 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VL037320.D
 Acq: 4 Aug 2021 22:36

Tgt Ion: 97 Resp: 2100434
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.3 78.5
 61 46.4 37.2 55.8

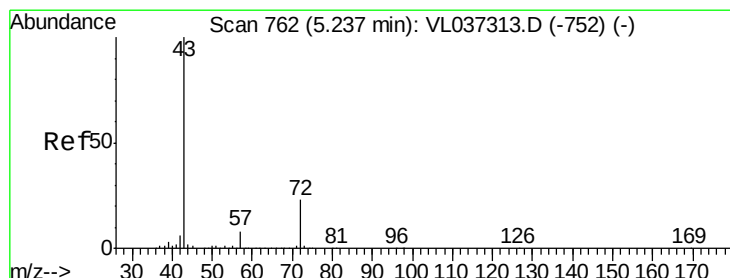
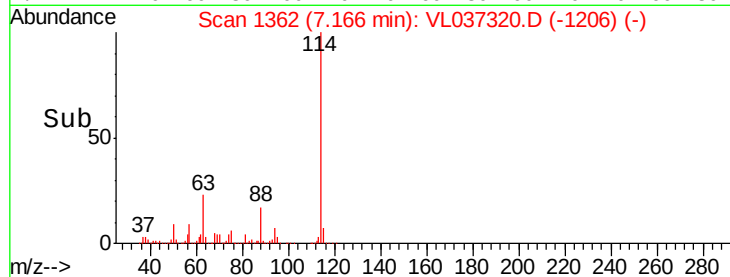
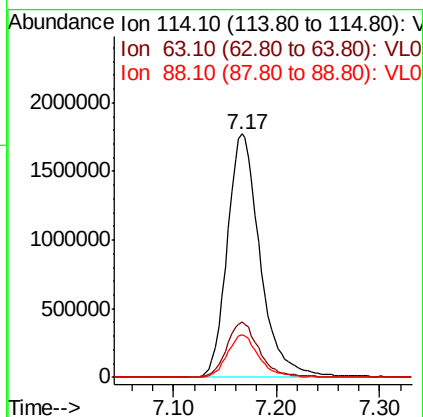
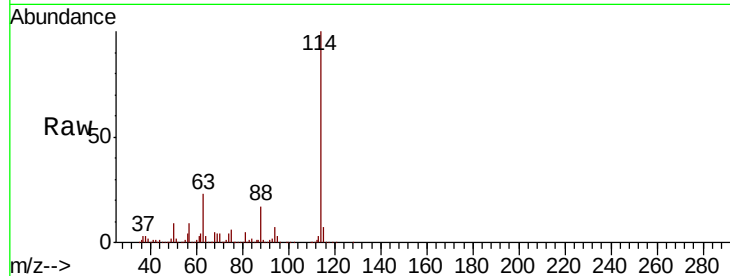




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VL037320.D
 Acq: 4 Aug 2021 22:36

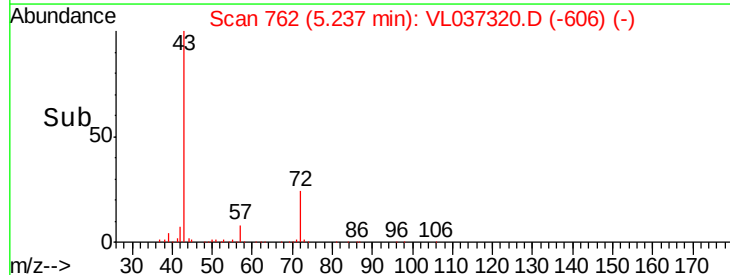
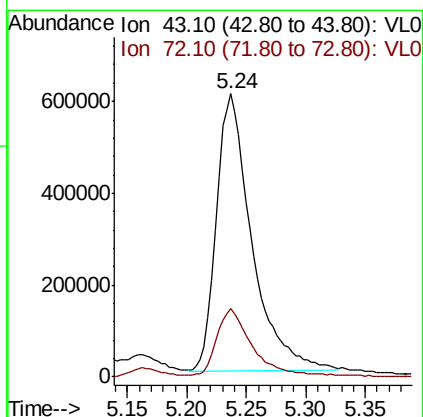
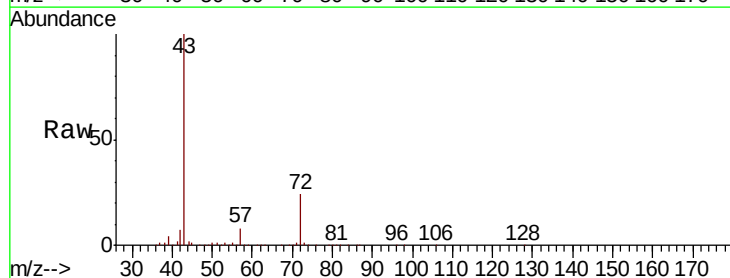
Instrument :
 MSVOA_L
 ClientSampleId :

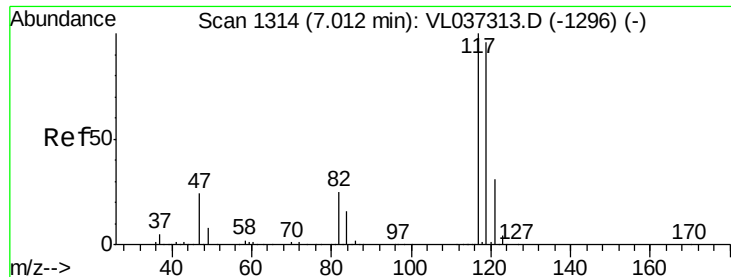
Tot Ion:114 Resp: 3930150
 Ion Ratio Lower Upper
 114 100
 63 22.7 18.1 27.1
 88 17.0 13.8 20.8



#34
 2-Butanone
 Concen: 9.197 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VL037320.D
 Acq: 4 Aug 2021 22:36

Tgt Ion: 43 Resp: 1254226
 Ion Ratio Lower Upper
 43 100
 72 25.1 20.3 30.5





#35

Carbon Tetrachloride

Concen: 9.517 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Instrument :

MSVOA_L

ClientSampleId :

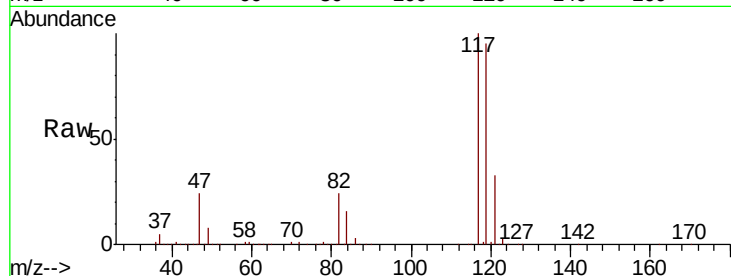
Tot Ion:117 Resp: 2232231

Ion Ratio Lower Upper

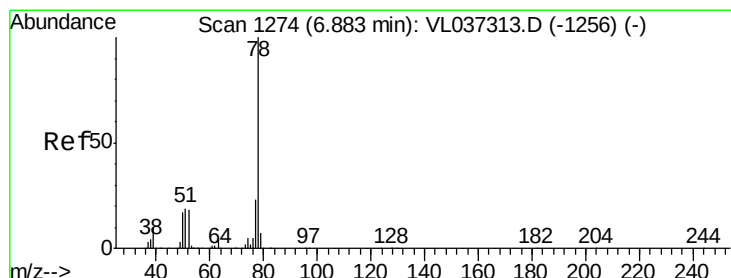
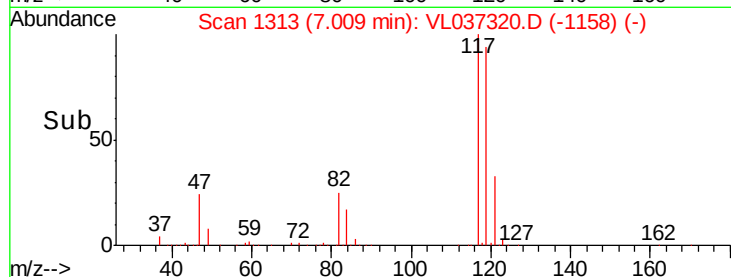
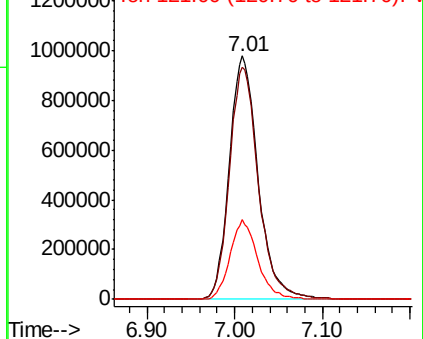
117 100

119 95.1 76.6 114.8

121 32.7 24.9 37.3



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: 8.487 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

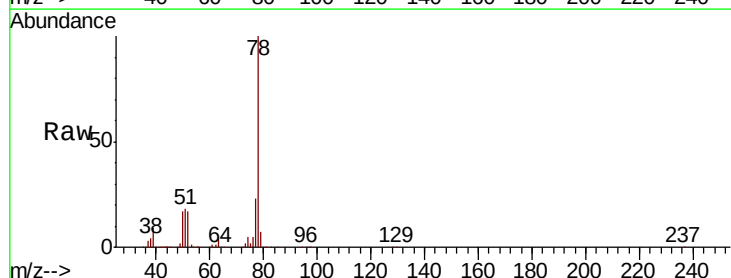
Tgt Ion: 78 Resp: 3001856

Ion Ratio Lower Upper

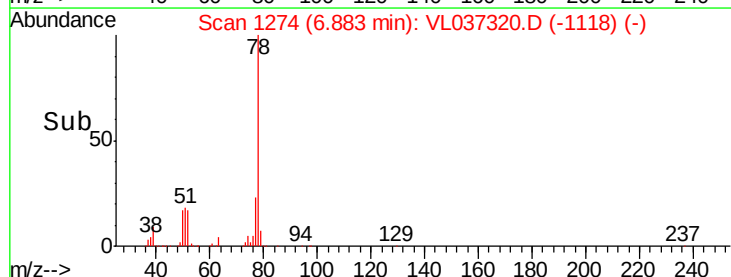
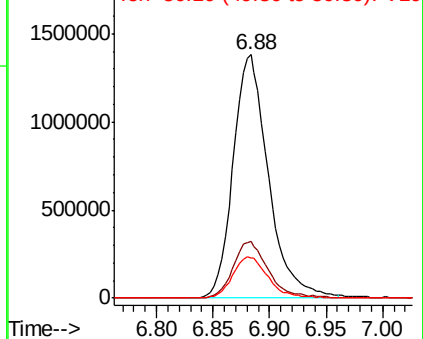
78 100

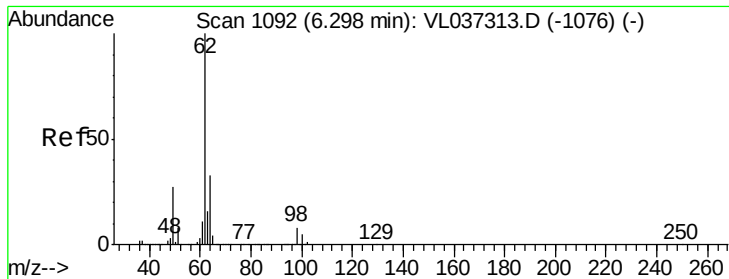
77 23.4 18.7 28.1

50 16.7 13.7 20.5



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

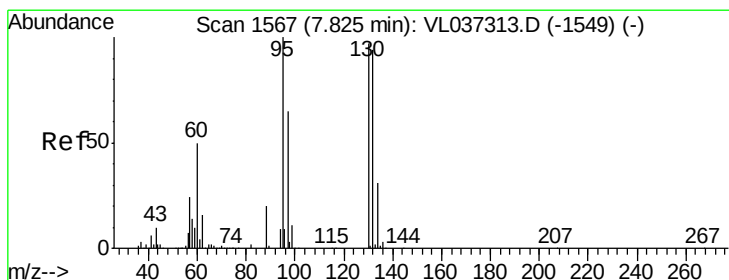
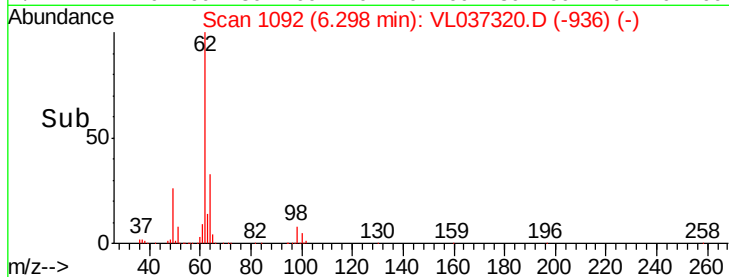
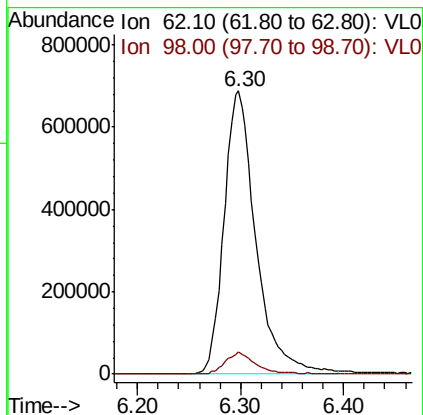
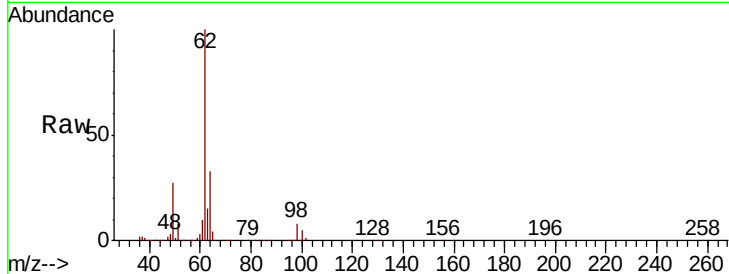




#37
 1,2-Dichloroethane
 Concen: 9.096 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. 0.00 min
 Lab File: VL037320.D
 Acq: 4 Aug 2021 22:36

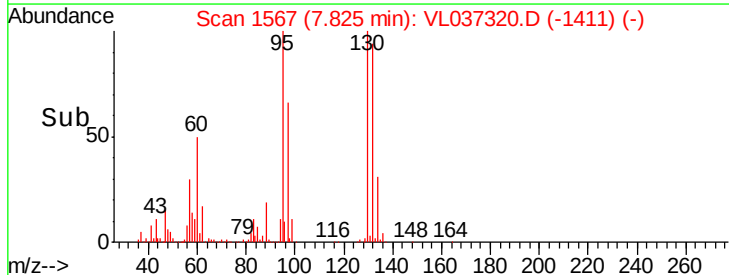
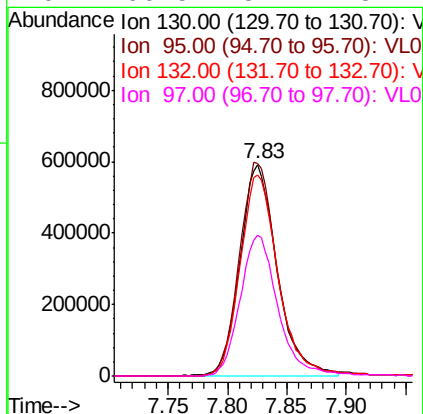
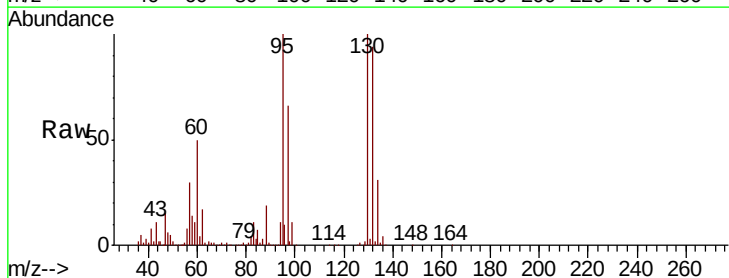
Instrument :
 MSVOA_L
 ClientSampleId :

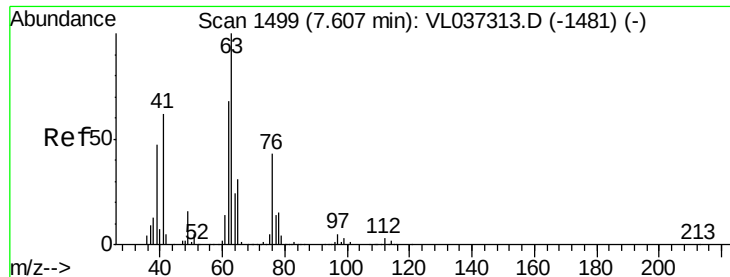
Tot Ion: 62 Resp: 1479826
 Ion Ratio Lower Upper
 62 100
 98 7.6 6.3 9.5



#38
 Trichloroethene
 Concen: 8.201 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VL037320.D
 Acq: 4 Aug 2021 22:36

Tgt Ion:130 Resp: 1269481
 Ion Ratio Lower Upper
 130 100
 95 100.7 82.8 124.2
 132 95.1 78.2 117.4
 97 66.5 54.2 81.2



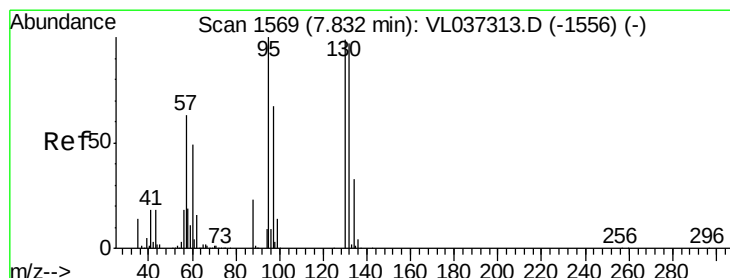
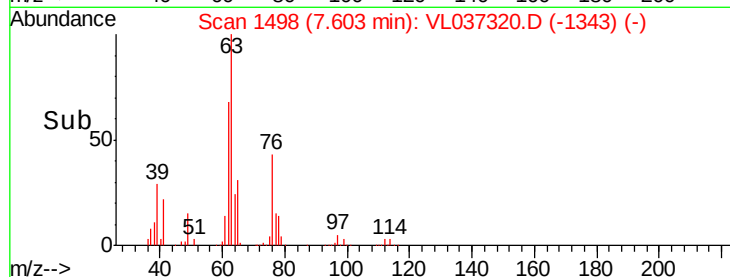
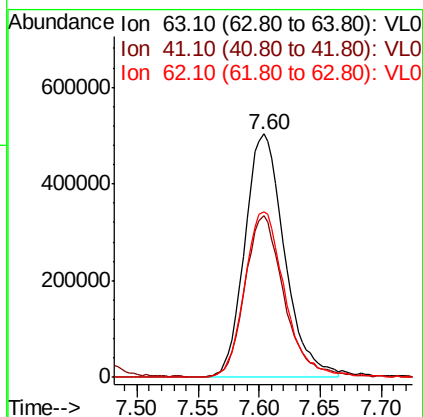
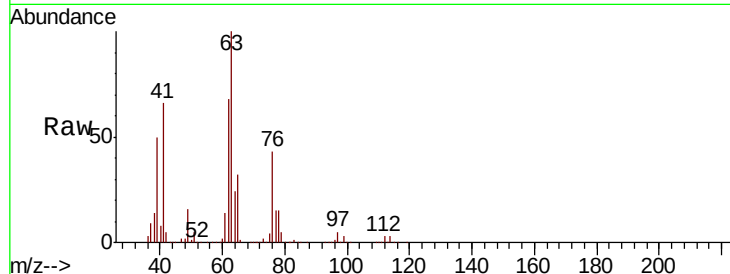


#39
 1,2-Dichloropropane
 Concen: 8.549 ppbv
 RT: 7.60 min Scan# 1498
 Delta R.T. -0.00 min
 Lab File: VL037320.D
 Acq: 4 Aug 2021 22:36

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1125924

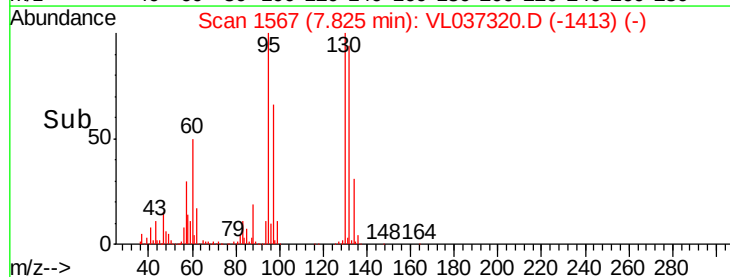
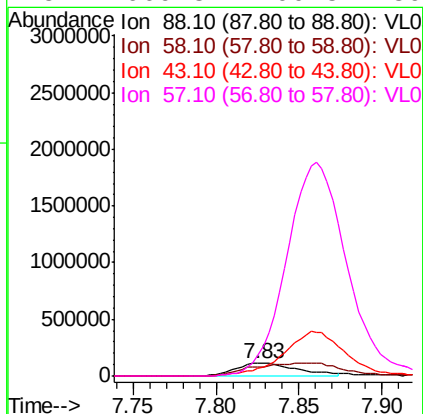
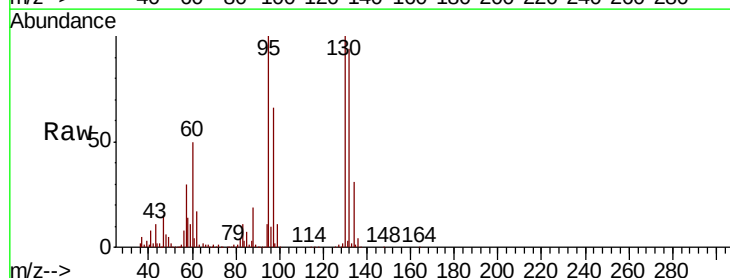
Ion	Ratio	Lower	Upper
63	100		
41	66.4	49.2	73.8
62	68.1	54.2	81.4

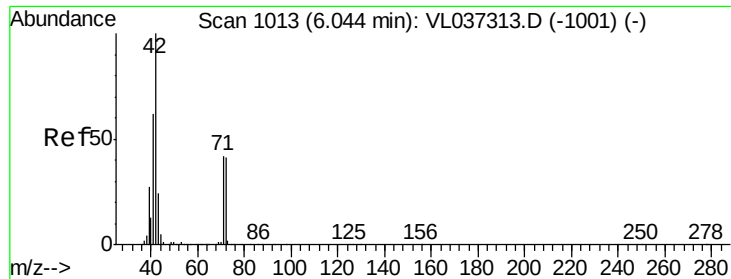


#40
 1,4-Dioxane
 Concen: 7.640 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VL037320.D
 Acq: 4 Aug 2021 22:36

Tgt Ion: 88 Resp: 289464

Ion	Ratio	Lower	Upper
88	100		
58	155.7	117.5	176.3
43	356.4	271.0	406.4
57	1669.8	1260.8	1891.2

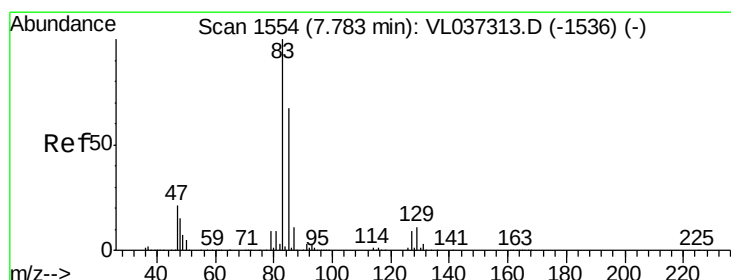
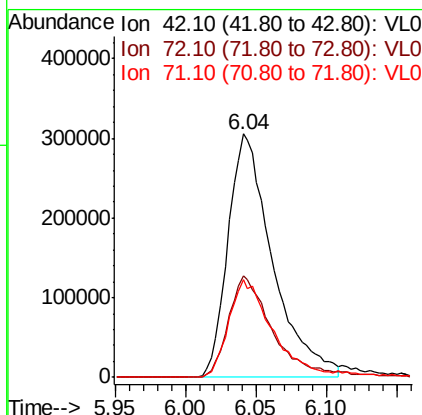
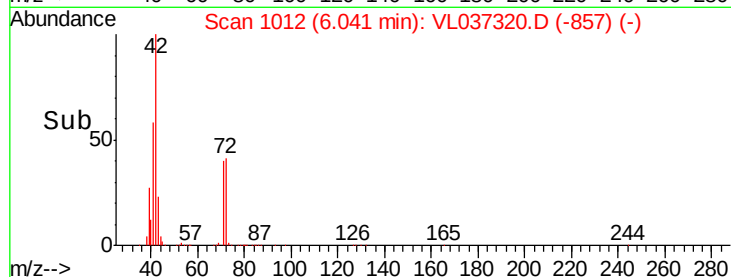
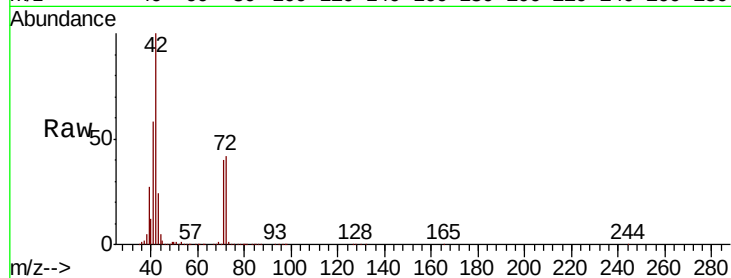




#41
Tetrahydrofuran
Concen: 8.889 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

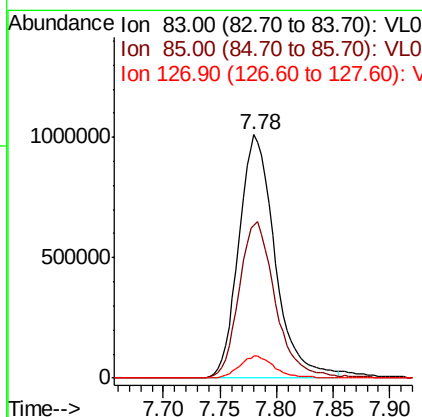
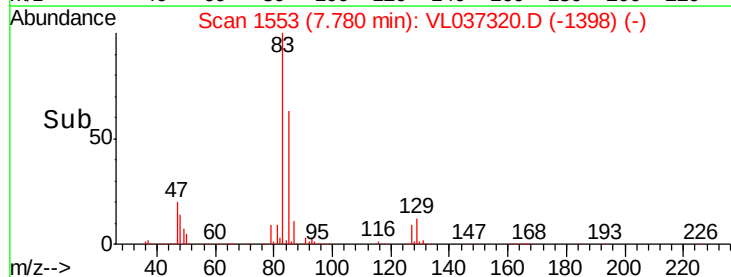
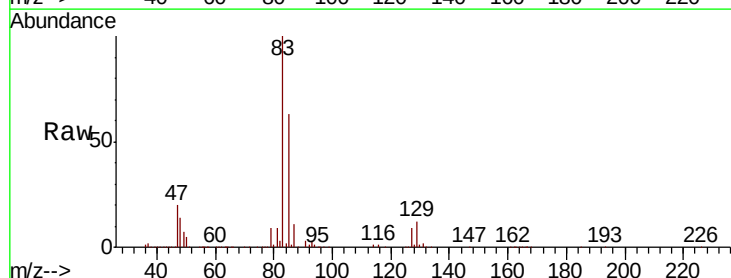
Instrument :
MSVOA_L
ClientSampleId :

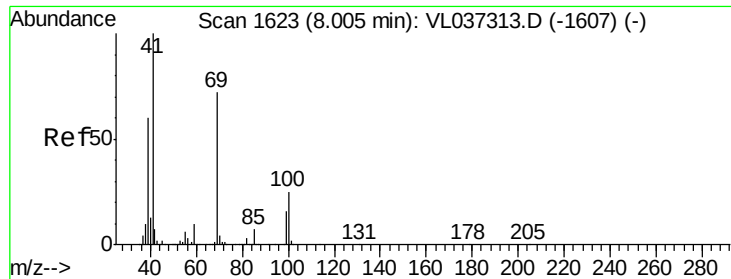
Tot Ion: 42 Resp: 674146
Ion Ratio Lower Upper
42 100
72 42.2 33.6 50.4
71 41.5 33.0 49.4



#42
Bromodichloromethane
Concen: 9.225 ppbv
RT: 7.78 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

Tgt Ion: 83 Resp: 2259321
Ion Ratio Lower Upper
83 100
85 62.7 53.5 80.3
127 9.1 7.1 10.7

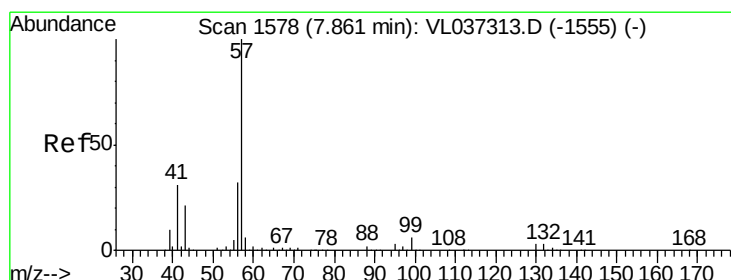
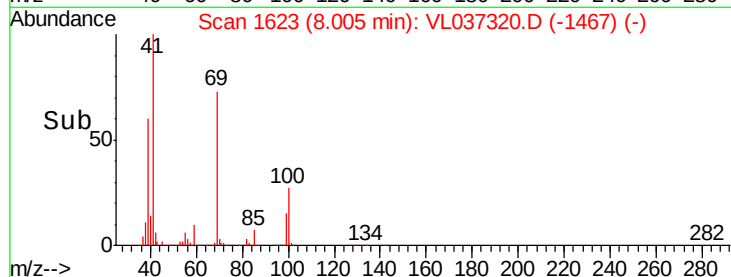
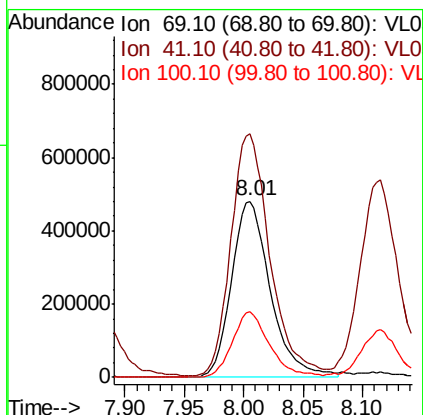
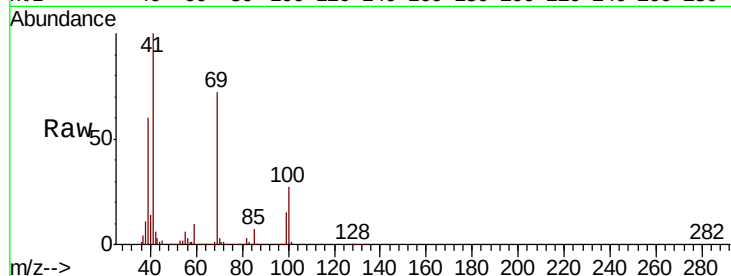




#43
Methyl Methacrylate
Concen: 9.068 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. 0.00 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

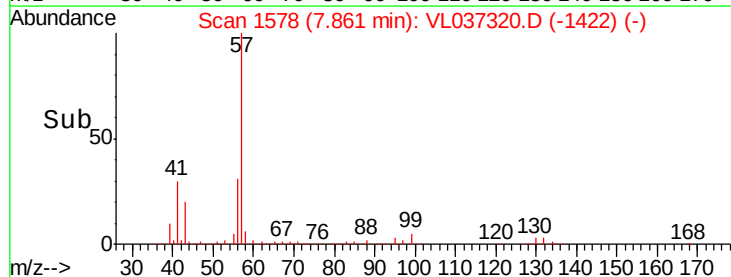
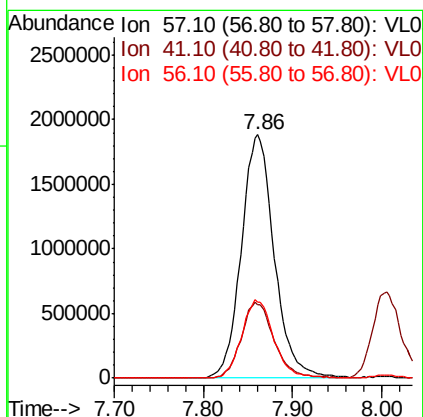
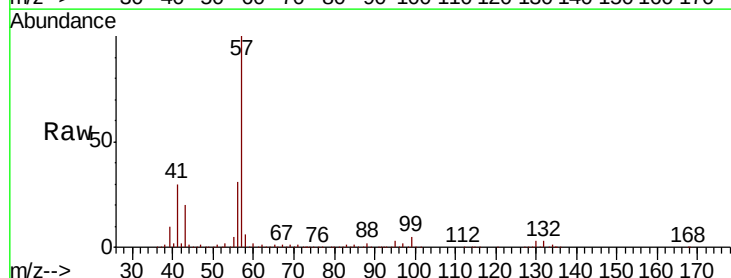
Instrument :
MSVOA_L
ClientSampleId :

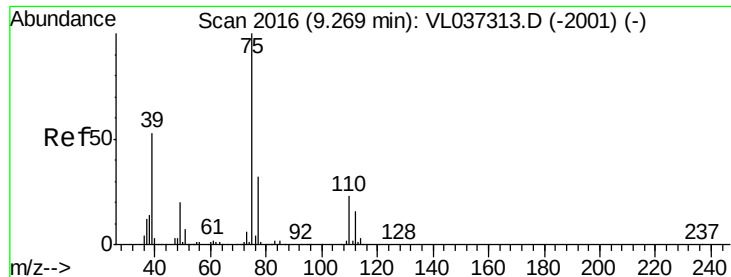
Tot Ion: 69 Resp: 1088320
Ion Ratio Lower Upper
69 100
41 139.8 114.6 172.0
100 36.1 29.4 44.2



#44
2,2,4-Trimethylpentane
Concen: 8.244 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

Tgt Ion: 57 Resp: 4819901
Ion Ratio Lower Upper
57 100
41 30.9 24.3 36.5
56 31.5 25.0 37.6

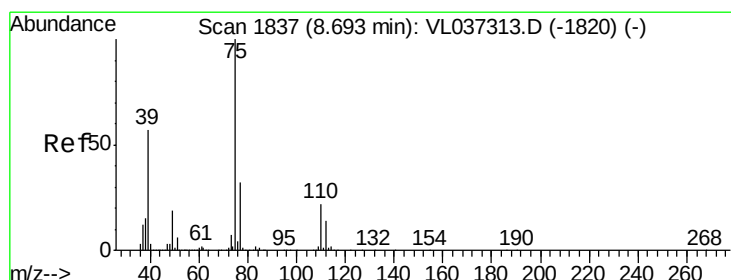
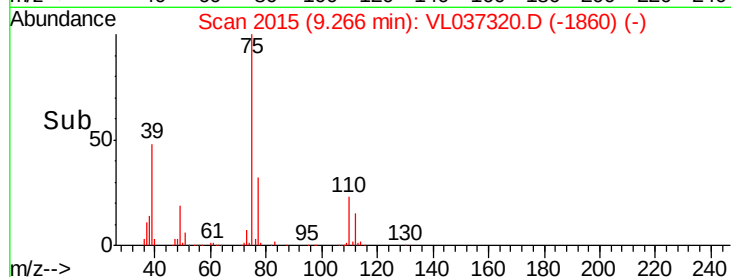
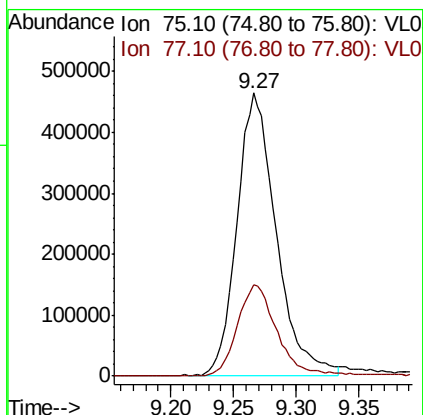
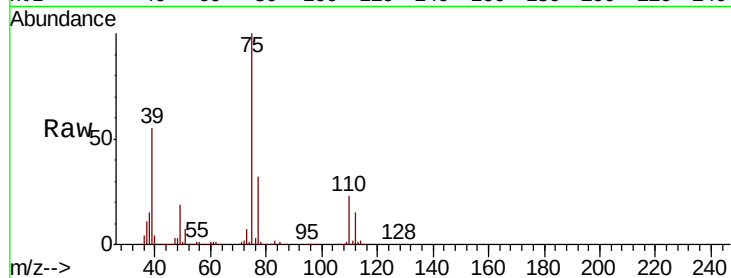




#45
t-1,3-Dichloropropene
Concen: 10.620 ppbv
RT: 9.27 min Scan# 2015
Delta R.T. -0.00 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

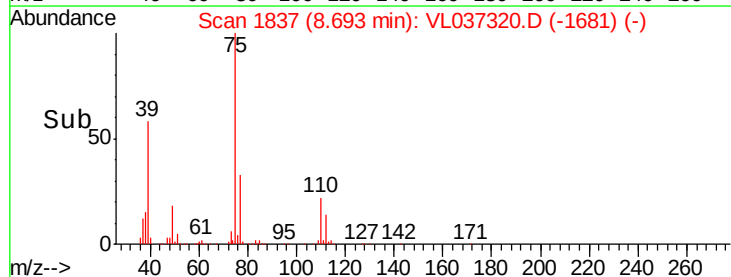
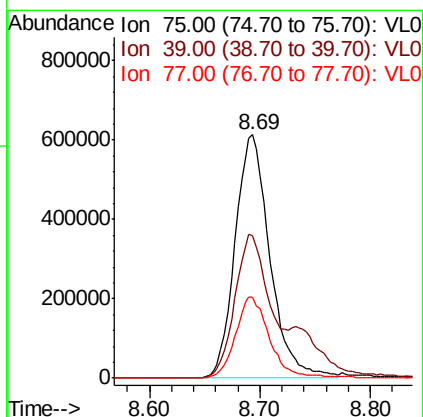
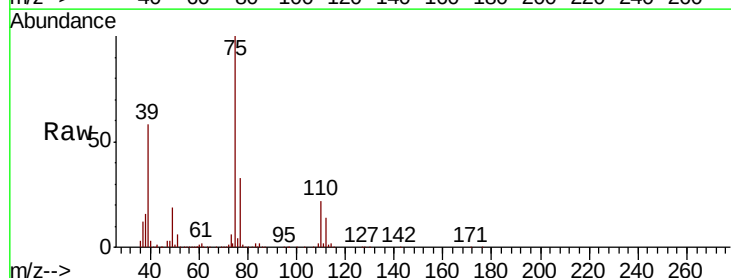
Instrument :
MSVOA_L
ClientSampleId :

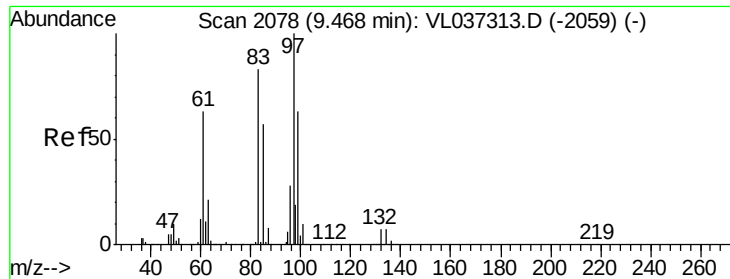
Tot Ion: 75 Resp: 1006598
Ion Ratio Lower Upper
75 100
77 32.3 25.7 38.5



#46
cis-1,3-Dichloropropene
Concen: 9.827 ppbv
RT: 8.69 min Scan# 1837
Delta R.T. 0.00 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

Tgt Ion: 75 Resp: 1341043
Ion Ratio Lower Upper
75 100
39 58.3 45.6 68.4
77 33.4 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 8.687 ppbv

RT: 9.46 min Scan# 2076

Delta R.T. -0.01 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

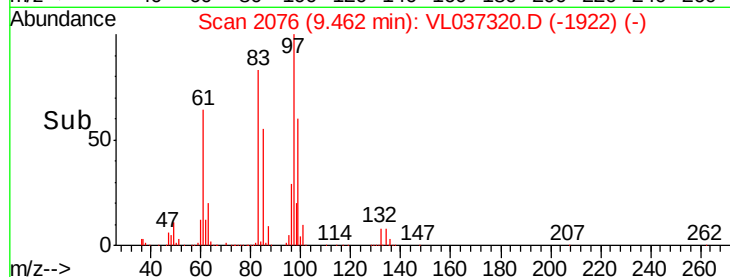
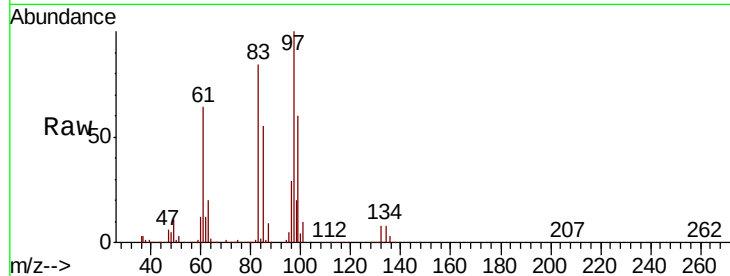
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 1216422

Ion	Ratio	Lower	Upper
97	100		
83	83.5	66.0	99.0
85	55.1	45.7	68.5
99	59.9	50.2	75.4

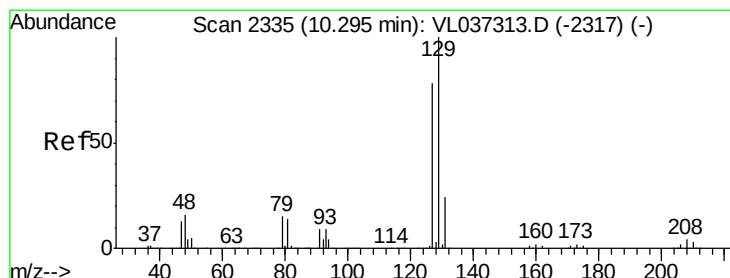


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.635 ppbv

RT: 10.29 min Scan# 2334

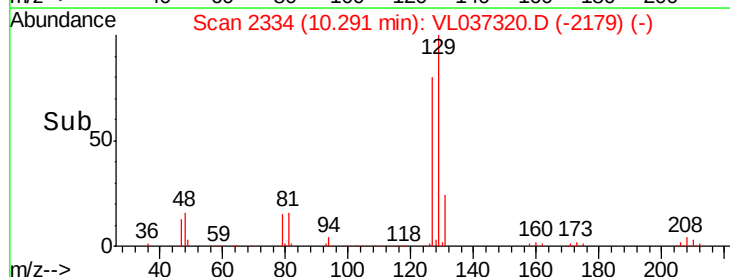
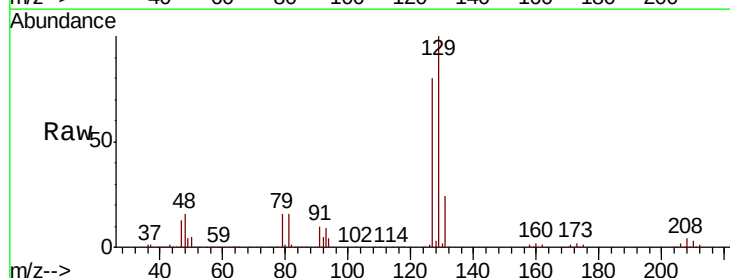
Delta R.T. -0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

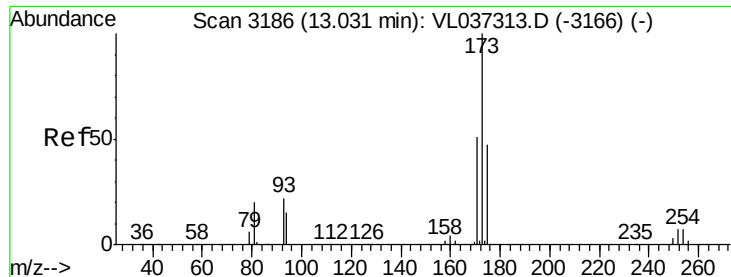
Tgt Ion: 129 Resp: 1999464

Ion	Ratio	Lower	Upper
129	100		
127	81.7	40.9	122.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 9.793 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Instrument :

MSVOA_L

ClientSampleId :

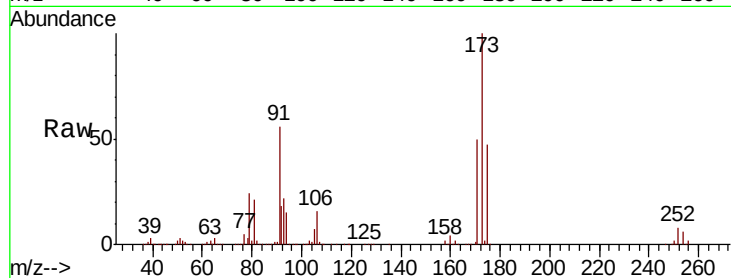
Tot Ion:173 Resp: 1523823

Ion Ratio Lower Upper

173 100

175 54.0 42.3 63.5

171 56.7 44.9 67.3

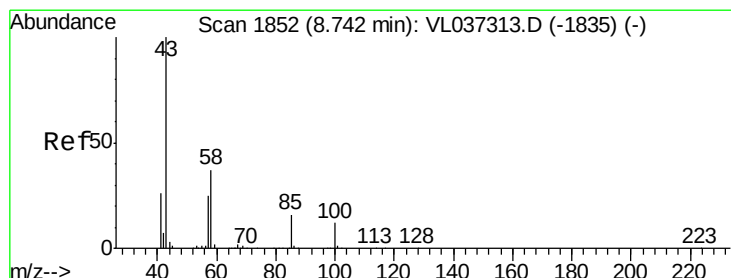
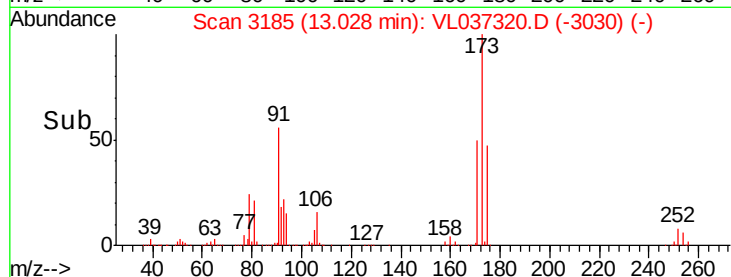
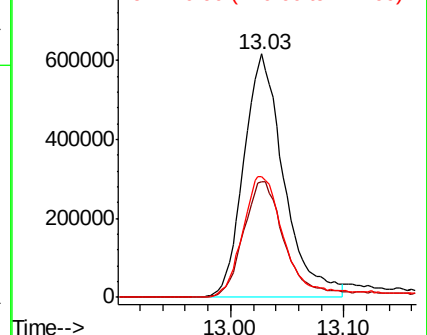


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.938 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VL037320.D

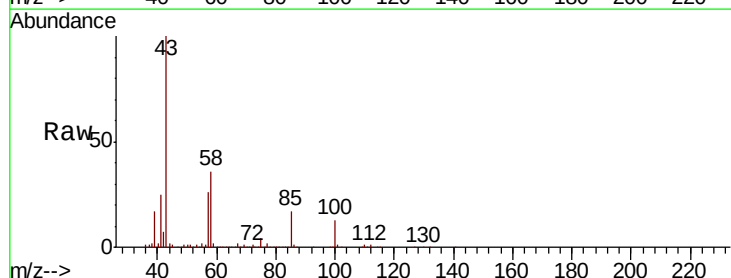
Acq: 4 Aug 2021 22:36

Tgt Ion: 43 Resp: 1866542

Ion Ratio Lower Upper

43 100

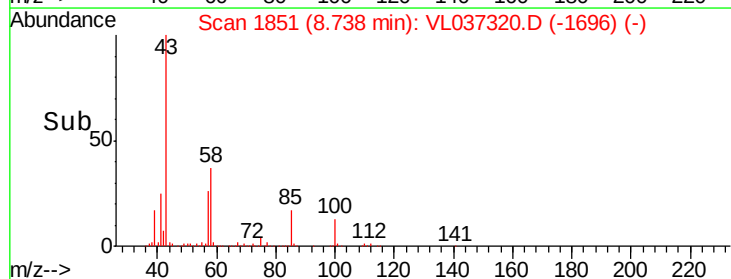
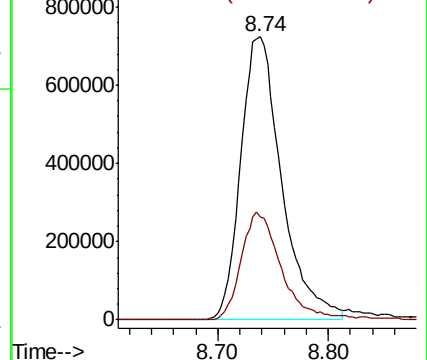
58 38.4 31.0 46.4

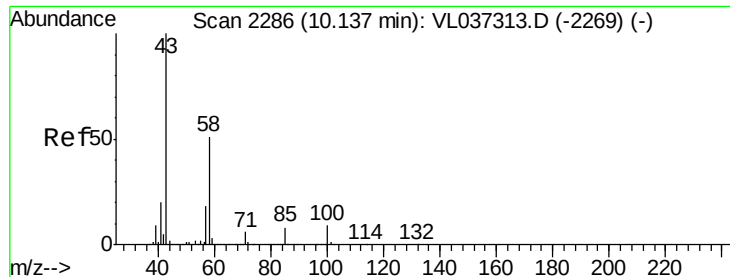


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

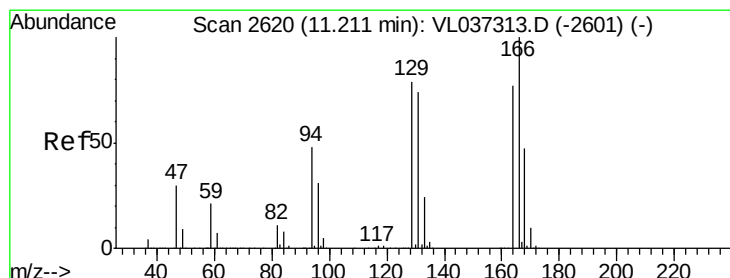
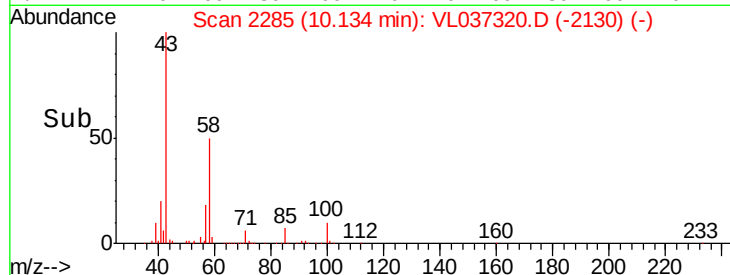
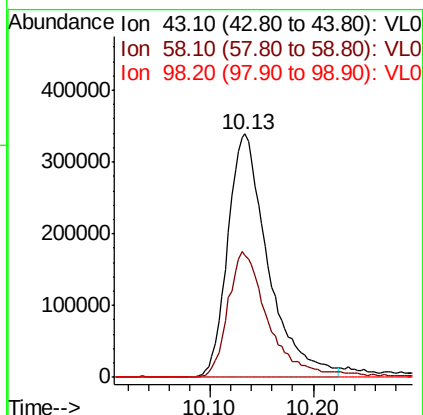
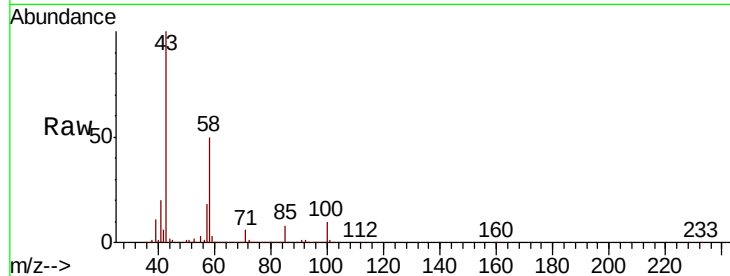




#51
2-Hexanone
Concen: 9.690 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

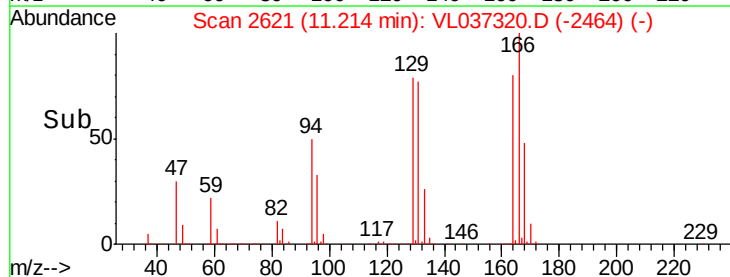
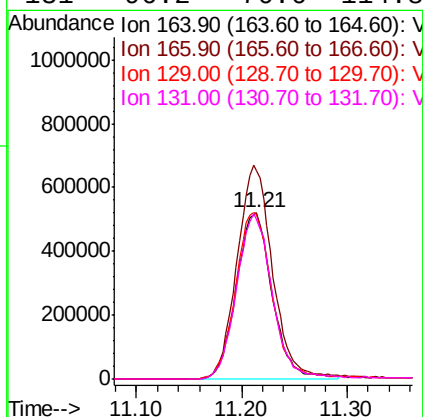
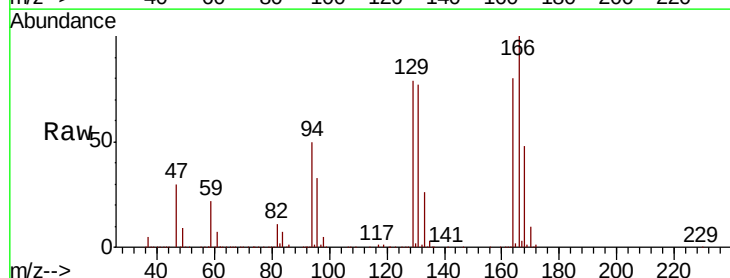
Instrument :
MSVOA_L
ClientSampled :

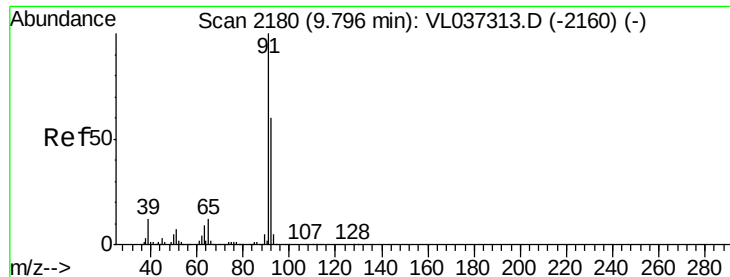
Tot Ion: 43 Resp: 920075
Ion Ratio Lower Upper
43 100
58 52.9 40.9 61.3
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.083 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. 0.00 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

Tgt Ion: 164 Resp: 1231394
Ion Ratio Lower Upper
164 100
166 125.5 103.4 155.2
129 99.4 82.2 123.2
131 96.2 76.6 114.8





#53

Toluene

Concen: 8.431 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Instrument :

MSVOA_L

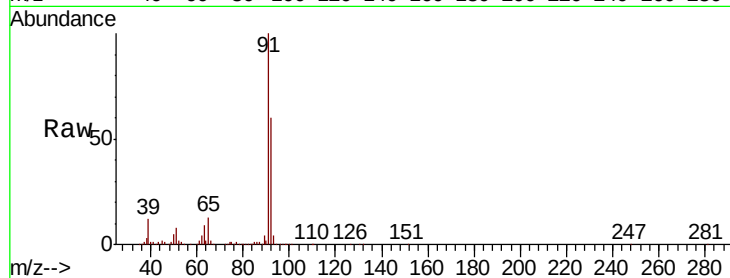
ClientSampleId :

Tot Ion: 91 Resp: 3520180

Ion Ratio Lower Upper

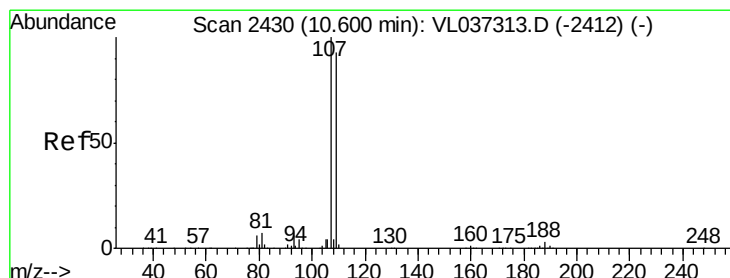
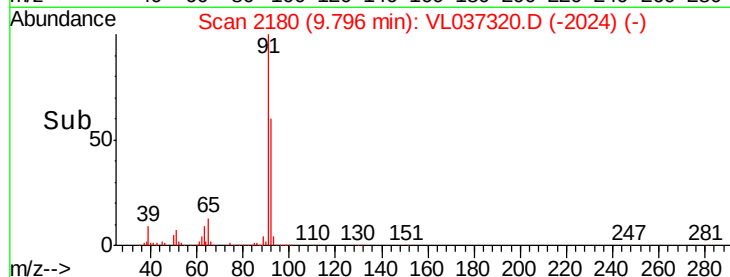
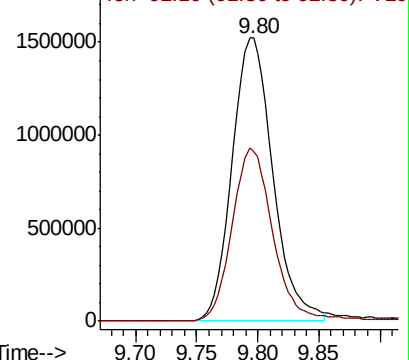
91 100

92 62.5 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.091 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VL037320.D

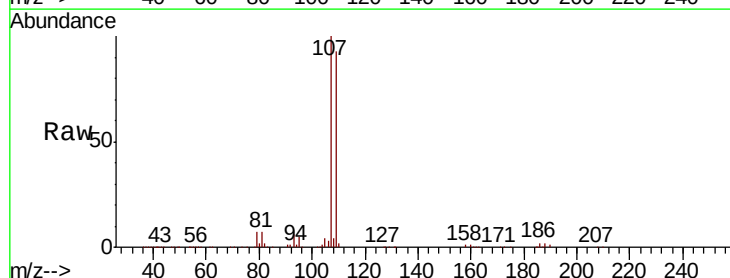
Acq: 4 Aug 2021 22:36

Tgt Ion:107 Resp: 1767886

Ion Ratio Lower Upper

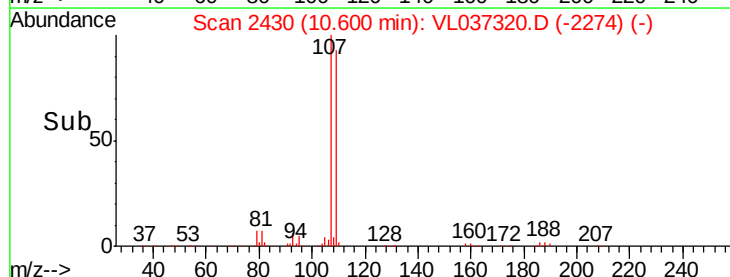
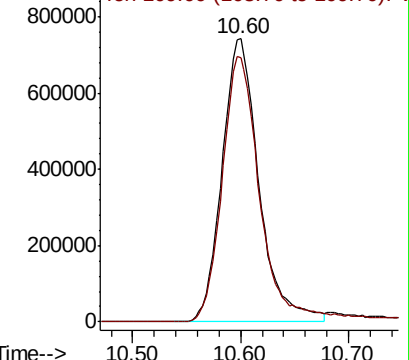
107 100

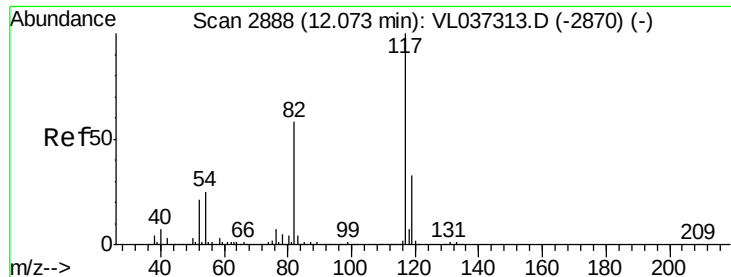
109 93.4 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

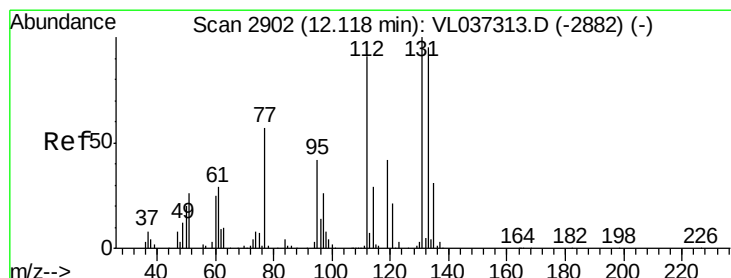
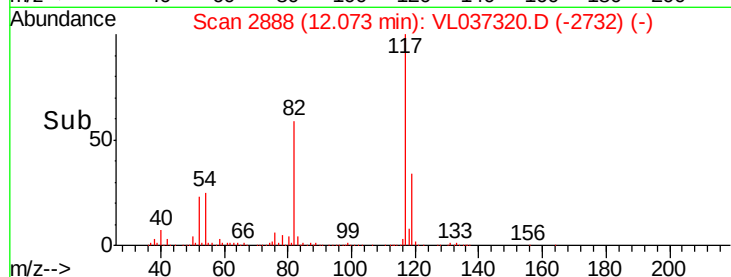
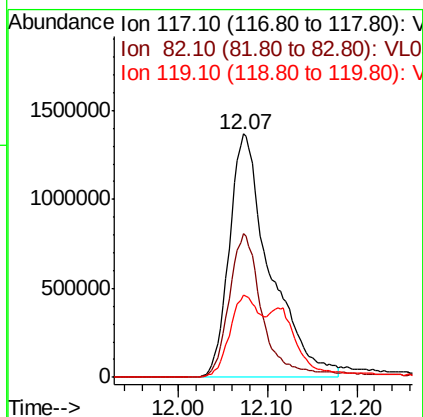
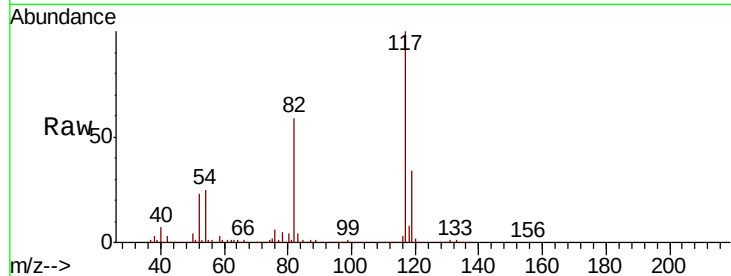




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. 0.00 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

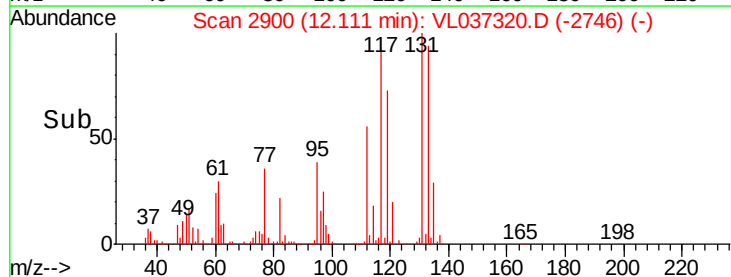
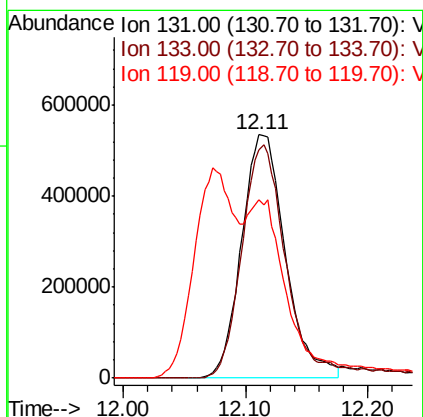
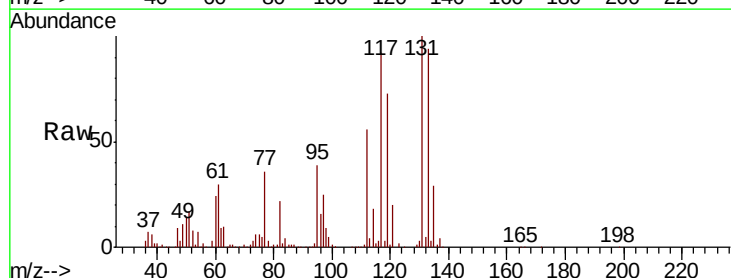
Instrument :
MSVOA_L
ClientSampleId :

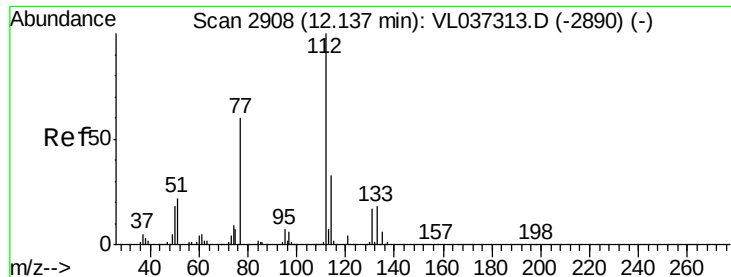
Tot Ion:117 Resp: 4325508
Ion Ratio Lower Upper
117 100
82 51.5 50.3 75.5
119 49.2 48.2 72.2



#56
1,1,1,2-Tetrachloroethane
Concen: 7.109 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.01 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

Tgt Ion:131 Resp: 1327629
Ion Ratio Lower Upper
131 100
133 103.8 83.0 124.4
119 74.7 130.4 195.6#





#57

Chlorobenzene

Concen: 7.087 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Instrument :

MSVOA_L

ClientSampleId :

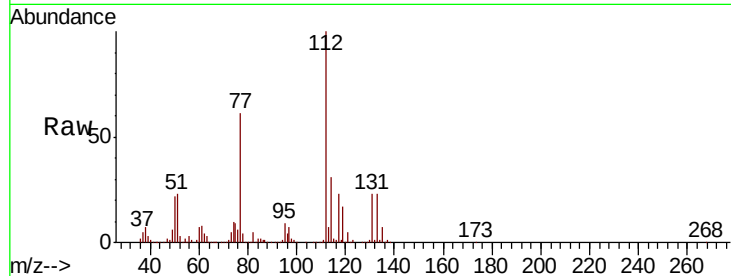
Tot Ion:112 Resp: 2588207

Ion Ratio Lower Upper

112 100

77 59.7 47.8 71.6

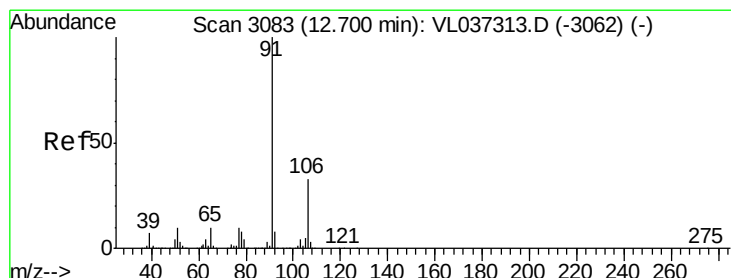
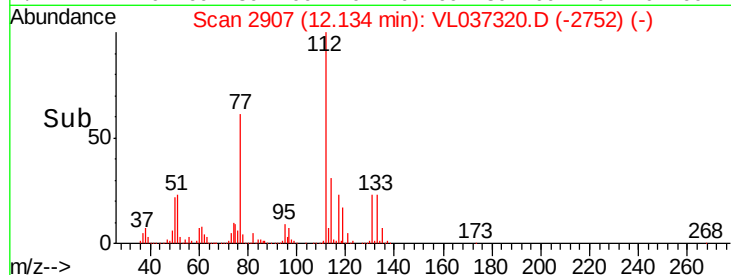
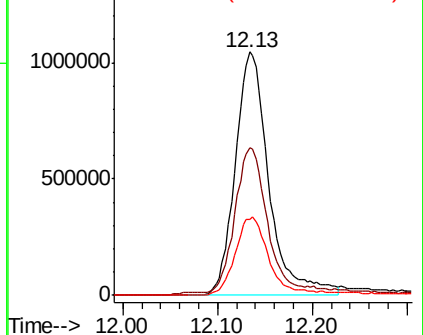
114 31.5 29.8 36.4



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: 6.790 ppbv

RT: 12.70 min Scan# 3082

Delta R.T. -0.00 min

Lab File: VL037320.D

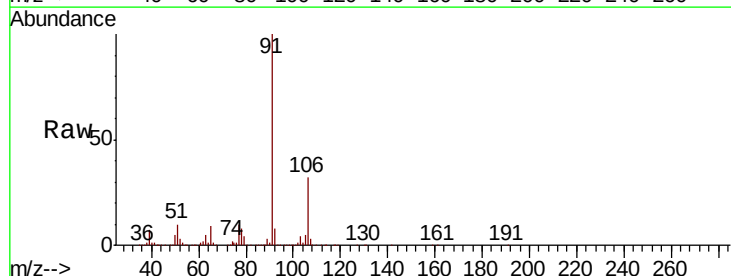
Acq: 4 Aug 2021 22:36

Tgt Ion: 91 Resp: 4313840

Ion Ratio Lower Upper

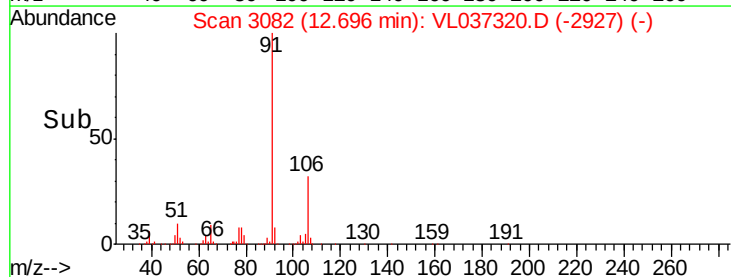
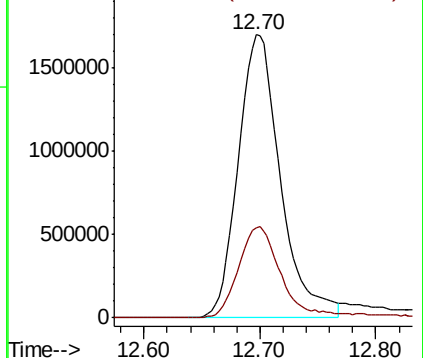
91 100

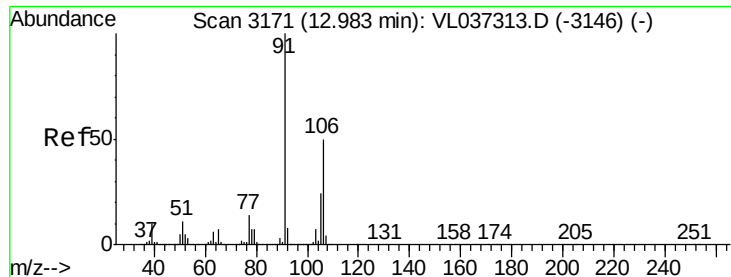
106 31.6 26.2 39.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

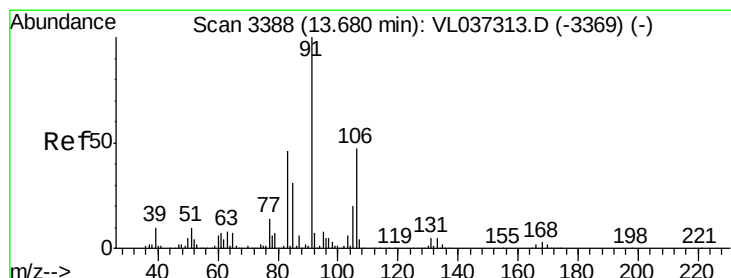
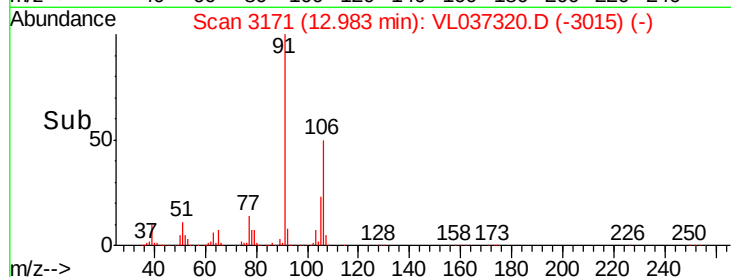
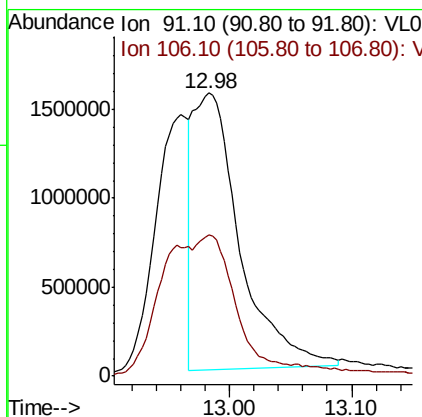
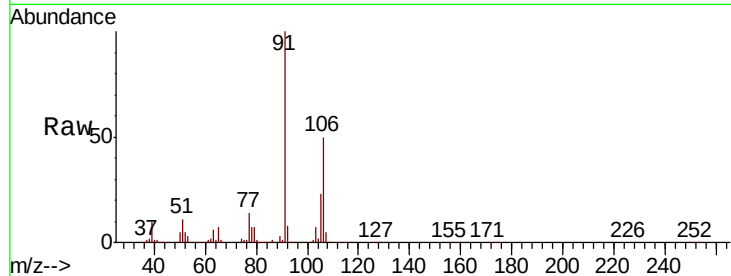




#59
m/p-Xylene
Concen: 7.710 ppbv
RT: 12.98 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

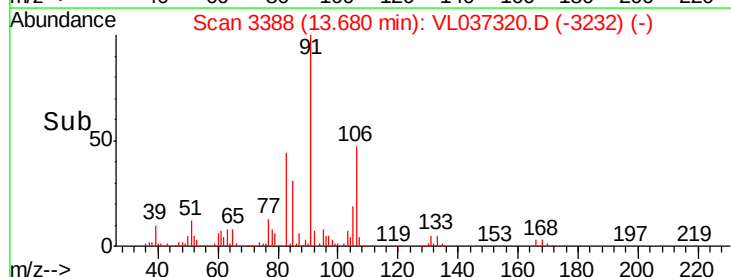
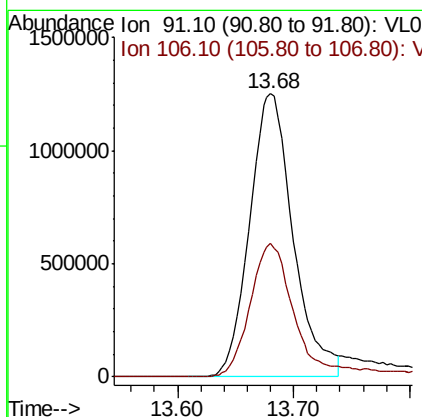
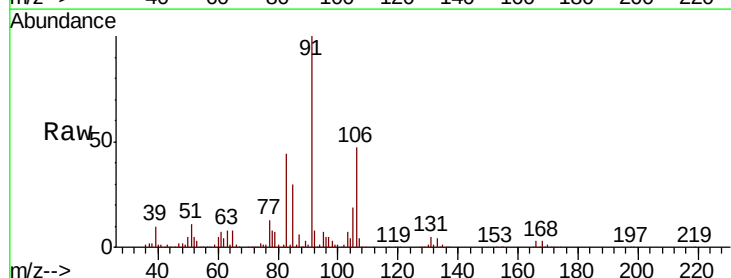
Instrument :
MSVOA_L
ClientSampled :

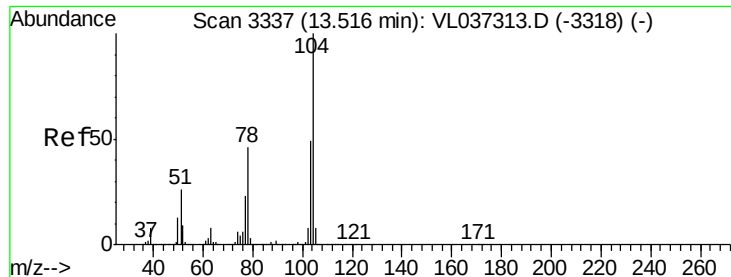
Tot Ion: 91 Resp: 4126214
Ion Ratio Lower Upper
91 100
106 86.6 37.8 56.8#



#60
o-Xylene
Concen: 6.685 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.00 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

Tgt Ion: 91 Resp: 3251300
Ion Ratio Lower Upper
91 100
106 51.2 26.3 78.8

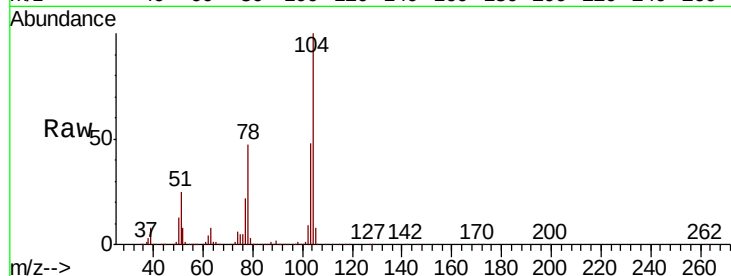




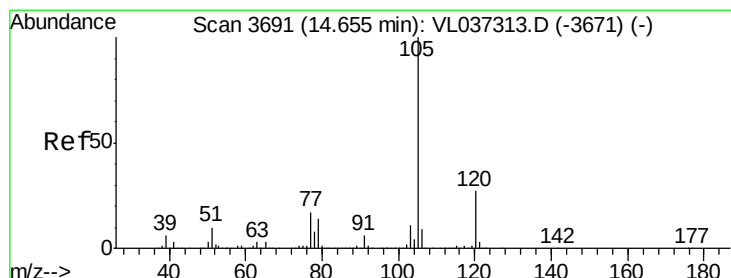
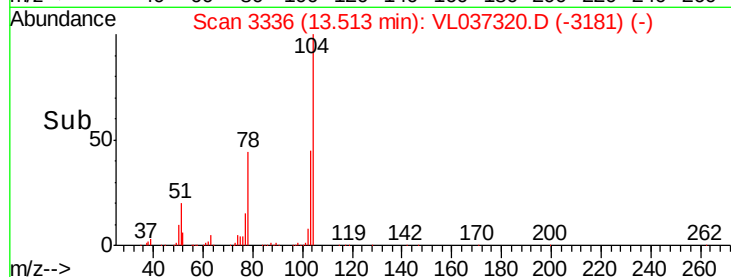
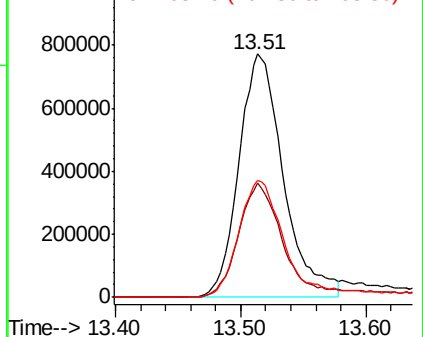
#61
Stvrene
Concen: 7.147 ppbv
RT: 13.51 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:104 Resp: 1905625
Ion Ratio Lower Upper
104 100
78 49.4 39.3 58.9
103 50.3 40.6 60.8

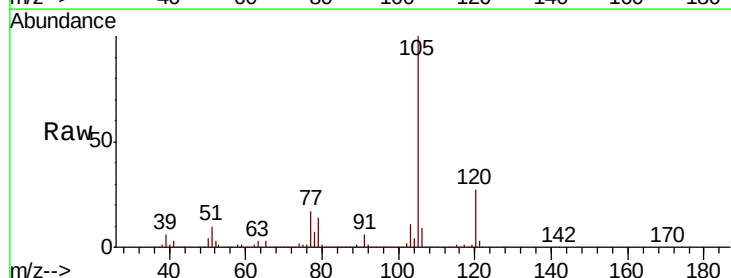


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

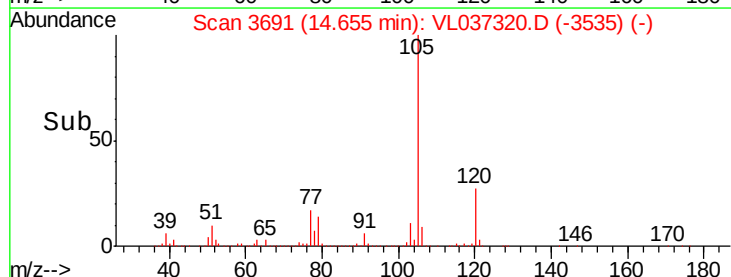
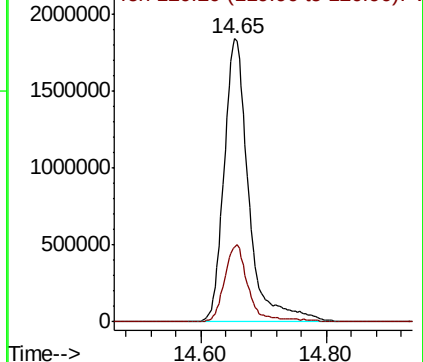


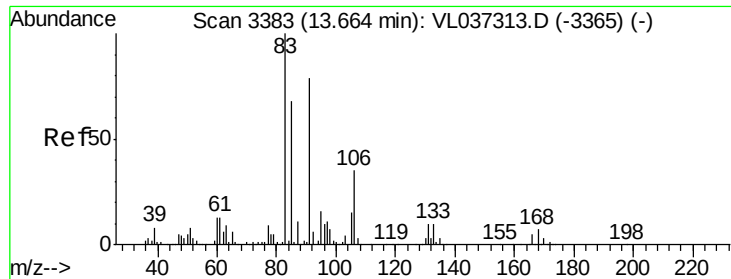
#62
Isopropylbenzene
Concen: 7.130 ppbv
RT: 14.65 min Scan# 3691
Delta R.T. 0.00 min
Lab File: VL037320.D
Acq: 4 Aug 2021 22:36

Tgt Ion:105 Resp: 5035090
Ion Ratio Lower Upper
105 100
120 26.8 23.0 34.6



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V

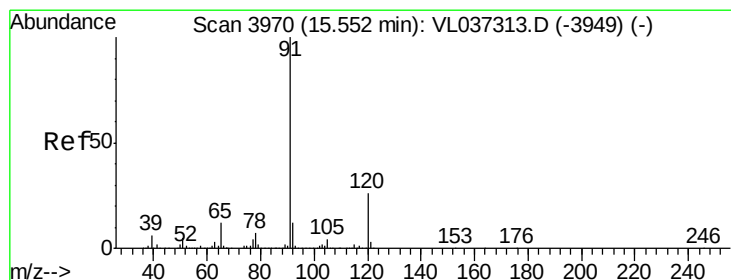
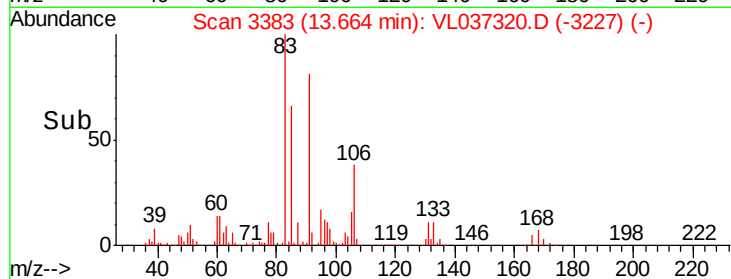
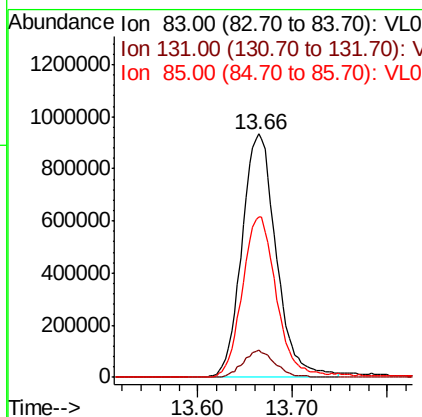
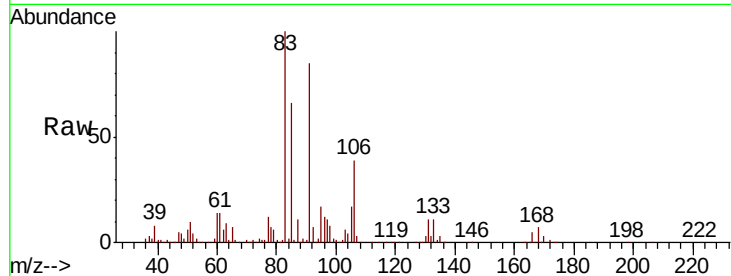




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.667 ppbv
 RT: 13.66 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VL037320.D
 Acq: 4 Aug 2021 22:36

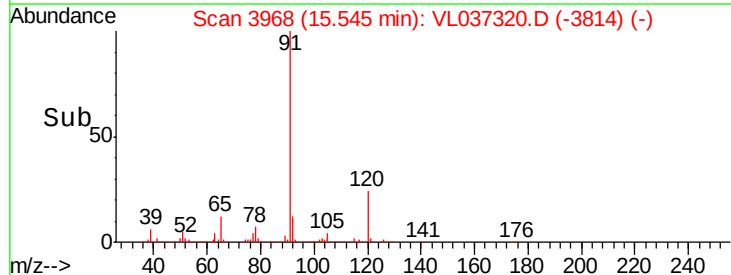
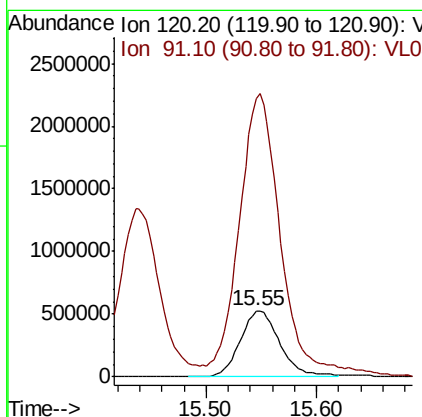
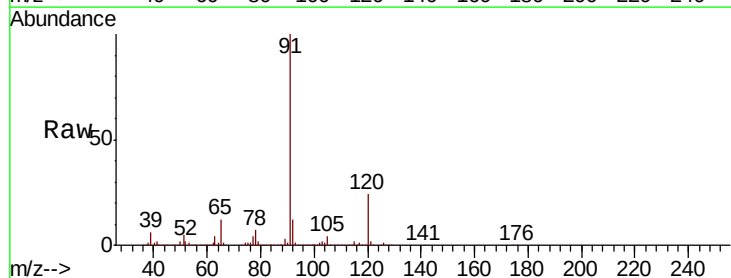
Instrument :
 MSVOA_L
 ClientSampleId :

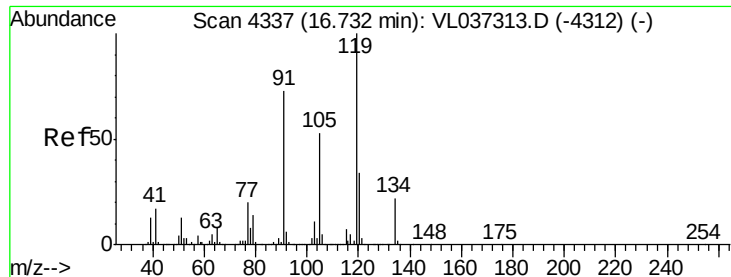
Tot Ion: 83 Resp: 2354603
 Ion Ratio Lower Upper
 83 100
 131 10.9 5.1 15.4
 85 67.0 33.5 100.4



#64
 n-propylbenzene
 Concen: 7.090 ppbv
 RT: 15.55 min Scan# 3968
 Delta R.T. -0.01 min
 Lab File: VL037320.D
 Acq: 4 Aug 2021 22:36

Tgt Ion:120 Resp: 1309213
 Ion Ratio Lower Upper
 120 100
 91 451.3 361.0 541.4





#65

tert-Butylbenzene

Concen: 6.842 ppbv

RT: 16.73 min Scan# 4337

Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

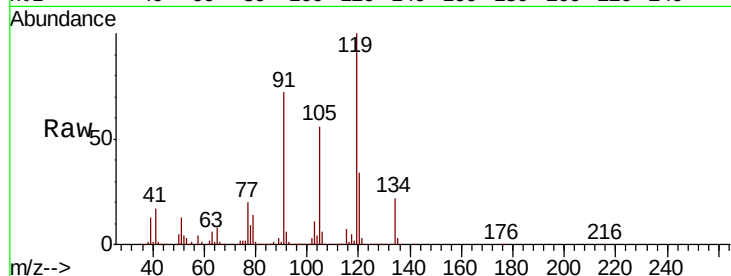
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:119 Resp: 4455870

Ion	Ratio	Lower	Upper
119	100		
91	73.3	58.6	88.0
134	20.6	16.5	24.7



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

16.73

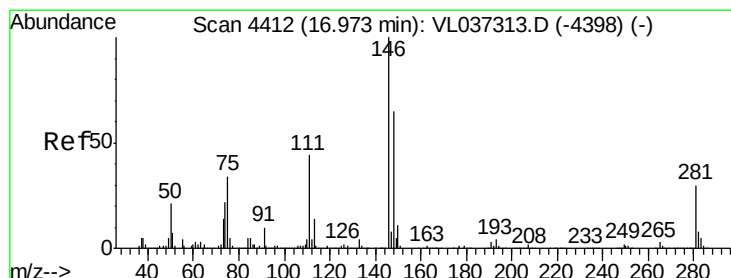
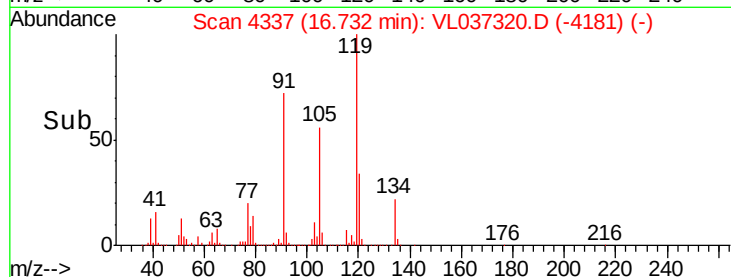
1500000

1000000

500000

0

Time--> 16.60 16.70 16.80



#66

Benzyl Chloride

Concen: 8.722 ppbv

RT: 16.97 min Scan# 4412

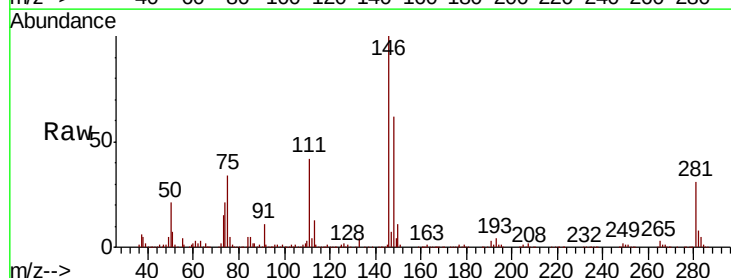
Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Tgt Ion: 91 Resp: 220798

Ion	Ratio	Lower	Upper
91	100		
126	21.3	17.8	26.6
128	5.9	5.8	8.6



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

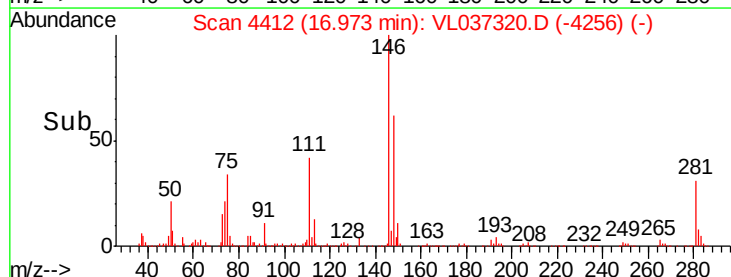
16.97

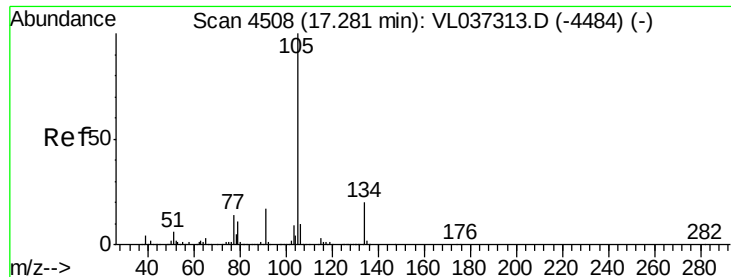
100000

50000

0

Time--> 16.90 16.95 17.00





#67

sec-Butylbenzene

Concen: 6.892 ppbv

RT: 17.28 min Scan# 4508

Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Instrument :

MSVOA_L

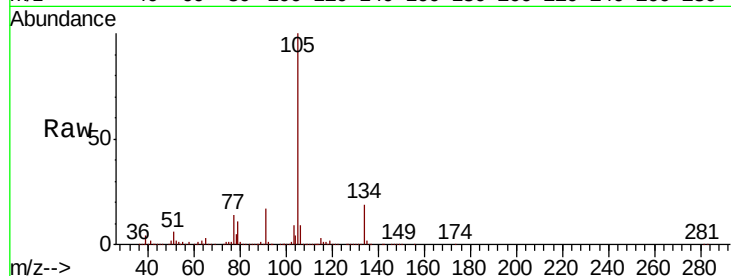
ClientSampled :

Tot Ion:105 Resp: 6054311

Ion Ratio Lower Upper

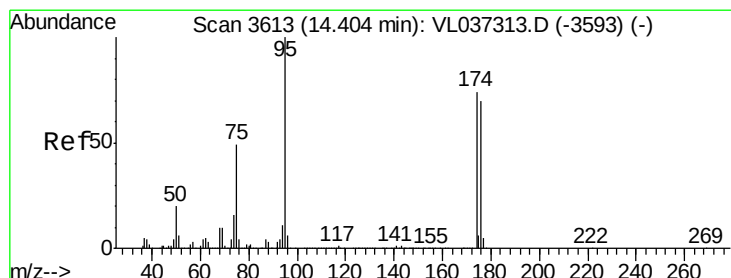
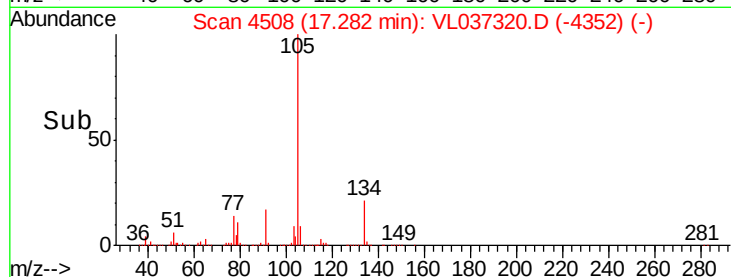
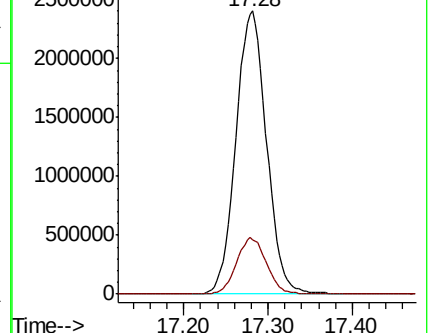
105 100

134 19.6 15.4 23.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.197 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

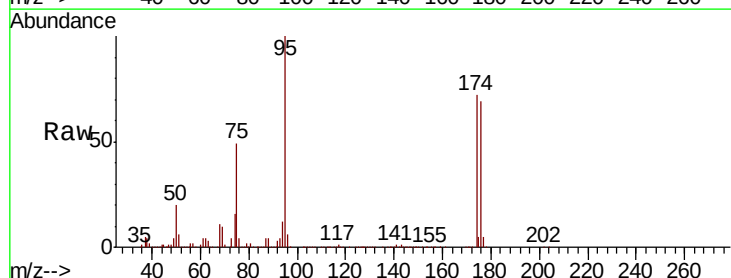
Tgt Ion: 95 Resp: 2421835

Ion Ratio Lower Upper

95 100

174 80.4 66.9 100.3

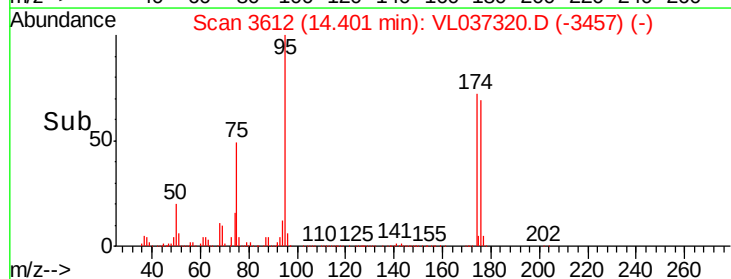
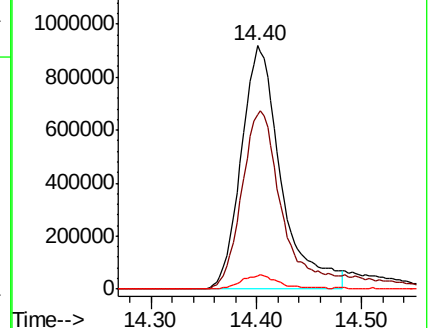
175 5.5 5.1 7.7

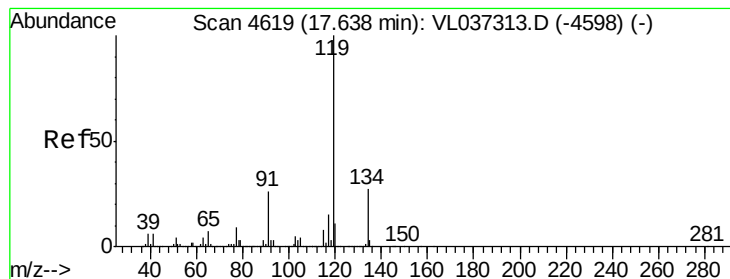


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.150 ppbv

RT: 17.64 min Scan# 4619

Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Instrument :

MSVOA_L

ClientSampled :

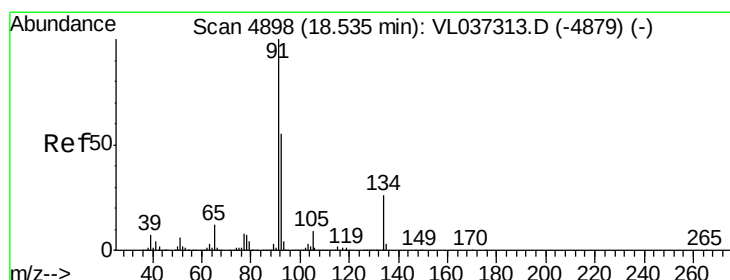
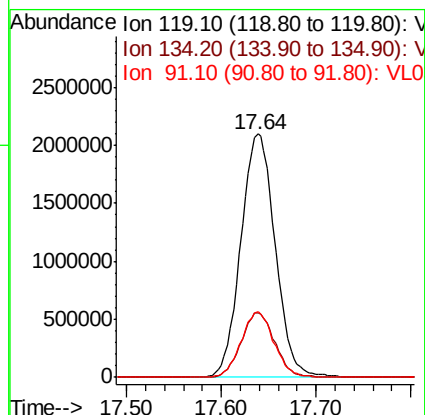
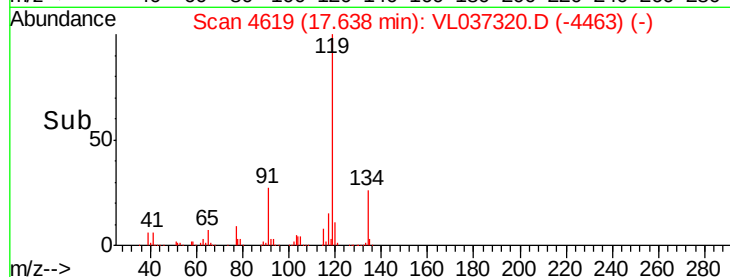
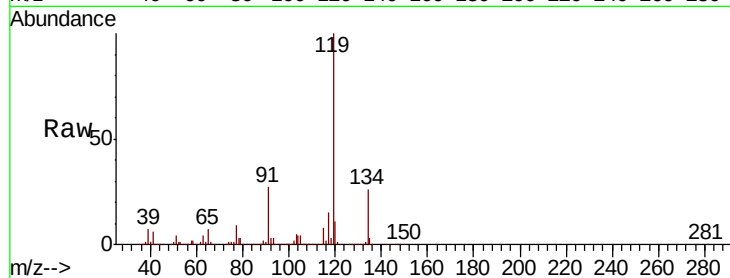
Tot Ion:119 Resp: 5283381

Ion Ratio Lower Upper

119 100

134 26.1 21.0 31.6

91 25.7 20.5 30.7



#70

n-Butylbenzene

Concen: 7.366 ppbv

RT: 18.54 min Scan# 4898

Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

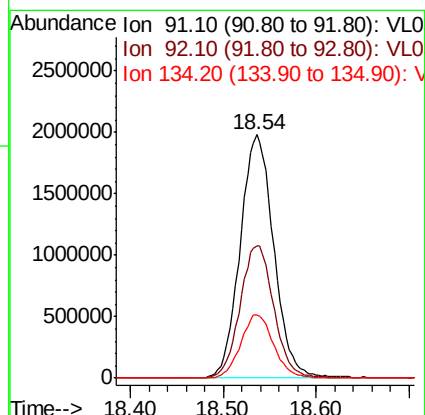
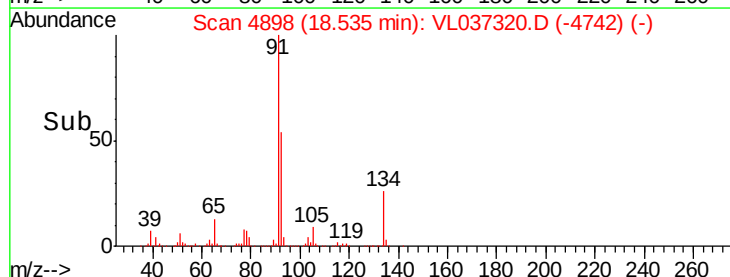
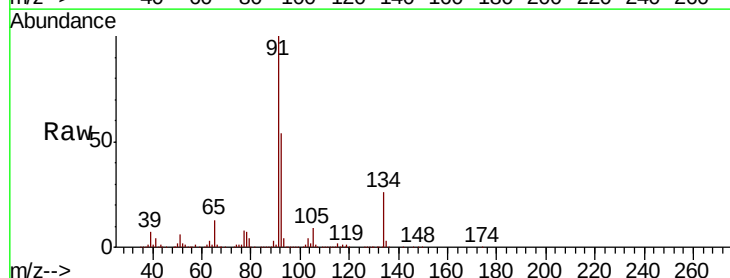
Tgt Ion: 91 Resp: 4978747

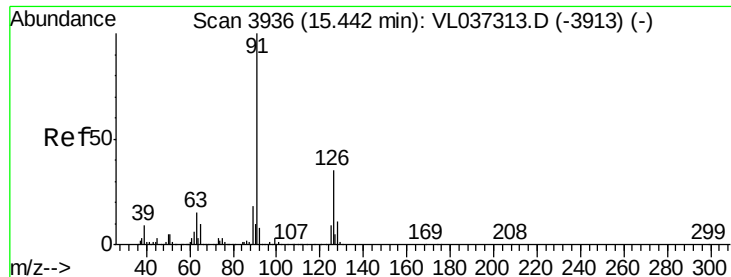
Ion Ratio Lower Upper

91 100

92 54.6 44.1 66.1

134 25.7 20.6 31.0





#71

2-Chlorotoluene

Concen: 6.916 ppbv

RT: 15.44 min Scan# 3935

Delta R.T. -0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Instrument :

MSVOA_L

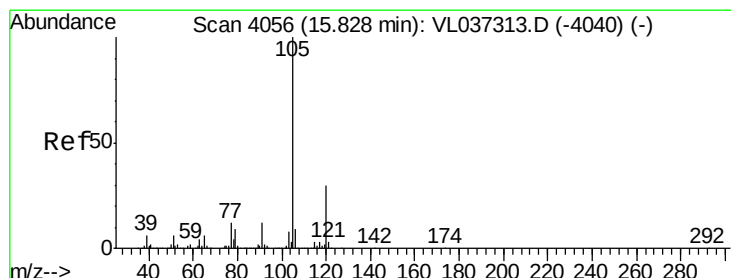
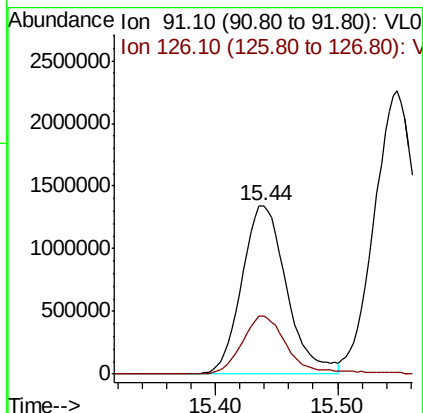
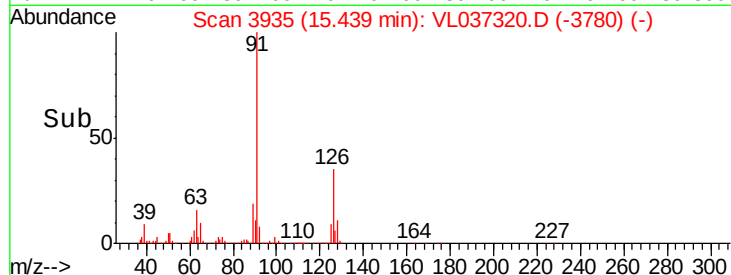
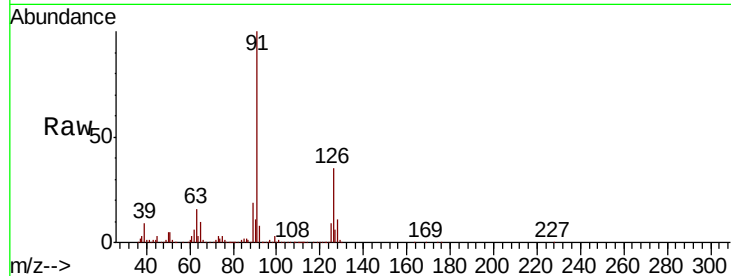
ClientSampled :

Tot Ion: 91 Resp: 3412709

Ion Ratio Lower Upper

91 100

126 35.7 14.3 57.1



#72

4-Ethyltoluene

Concen: 6.975 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. -0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Tgt Ion:105 Resp: 4095074

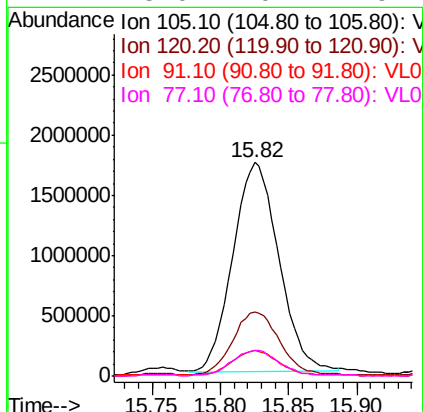
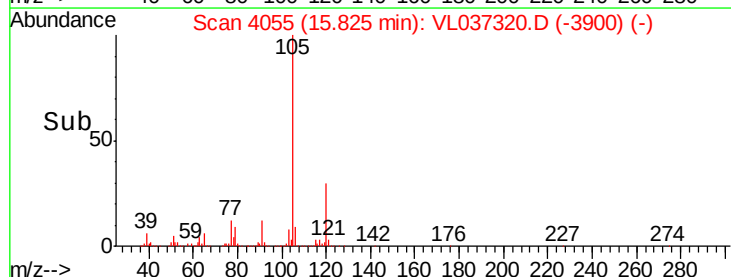
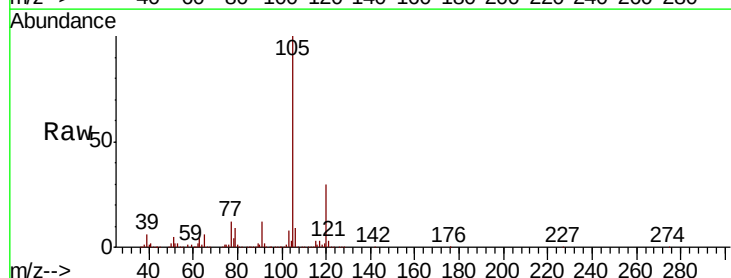
Ion Ratio Lower Upper

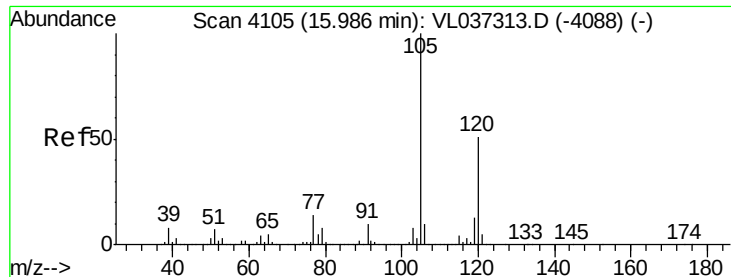
105 100

120 32.2 25.6 38.4

91 11.9 9.4 14.2

77 13.0 10.2 15.4

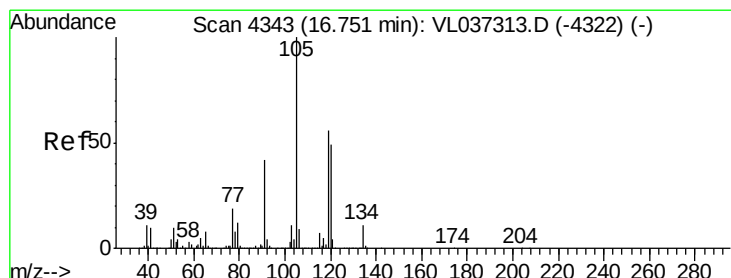
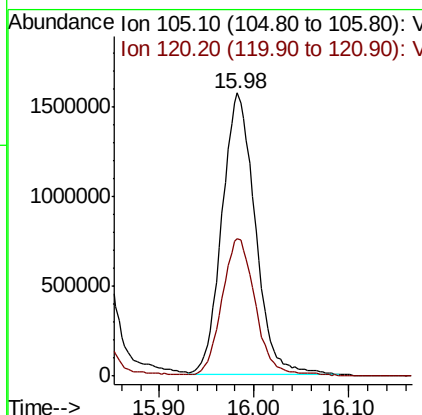
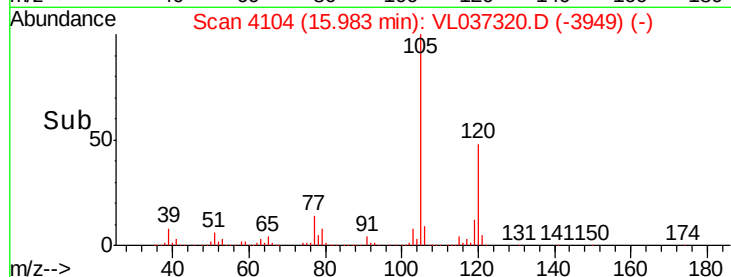
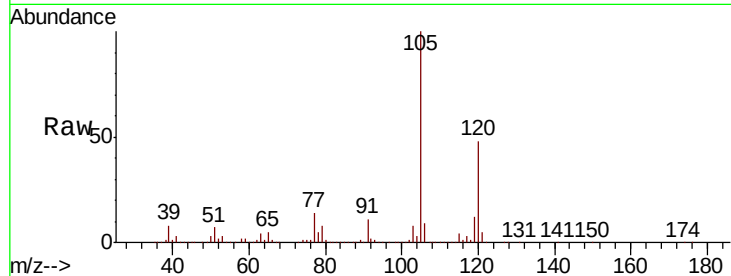




#73
 1,3,5-Trimethylbenzene
 Concen: 7.225 ppbv
 RT: 15.98 min Scan# 4104
 Delta R.T. -0.00 min
 Lab File: VL037320.D
 Acq: 4 Aug 2021 22:36

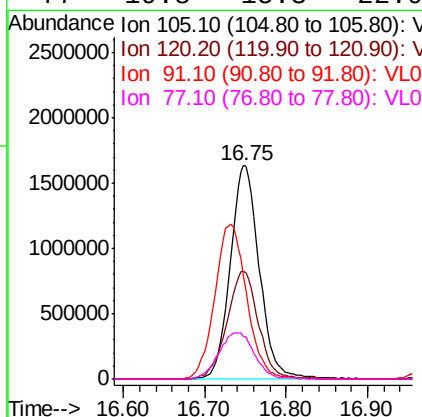
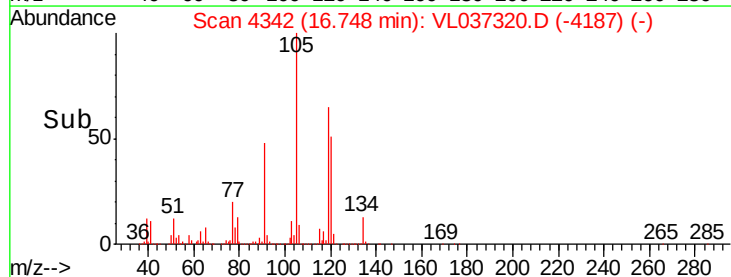
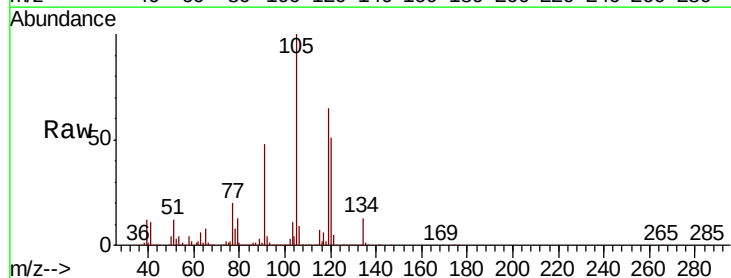
Instrument :
 MSVOA_L
 ClientSampleId :

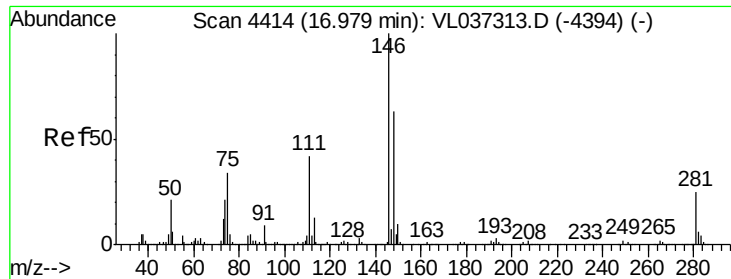
Tot Ion:105 Resp: 3813947
 Ion Ratio Lower Upper
 105 100
 120 48.4 40.4 60.6



#74
 1,2,4-Trimethylbenzene
 Concen: 7.187 ppbv
 RT: 16.75 min Scan# 4342
 Delta R.T. -0.00 min
 Lab File: VL037320.D
 Acq: 4 Aug 2021 22:36

Tgt Ion:105 Resp: 4048582
 Ion Ratio Lower Upper
 105 100
 120 50.4 39.6 59.4
 91 48.0 34.5 51.7
 77 19.8 15.3 22.9





#75

1,3-Dichlorobenzene

Concen: 7.423 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

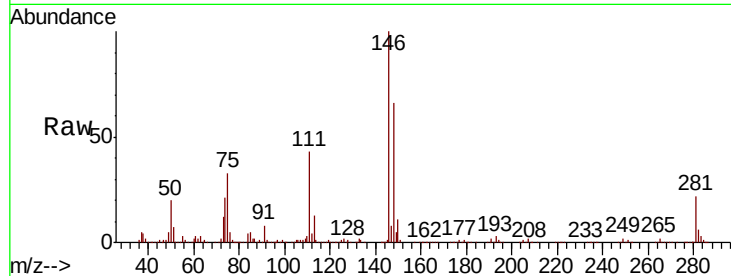
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 2570697

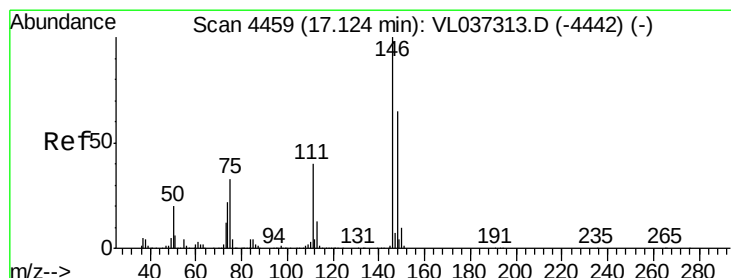
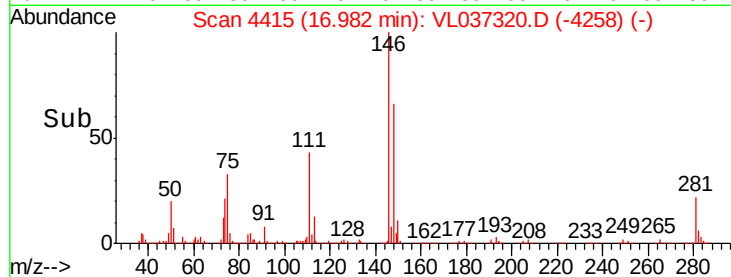
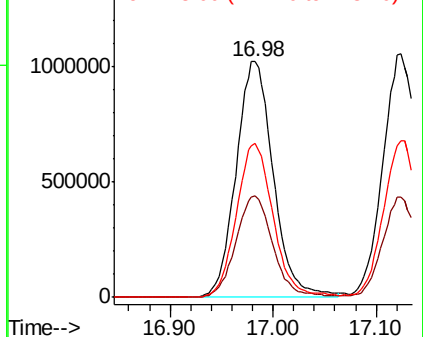
Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.4	64.3
148	64.5	32.6	97.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.319 ppbv

RT: 17.12 min Scan# 4459

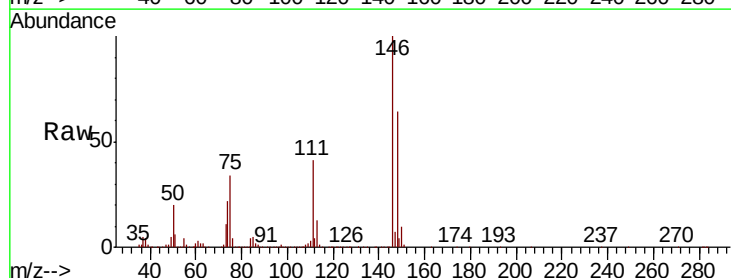
Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Tgt Ion:146 Resp: 2514048

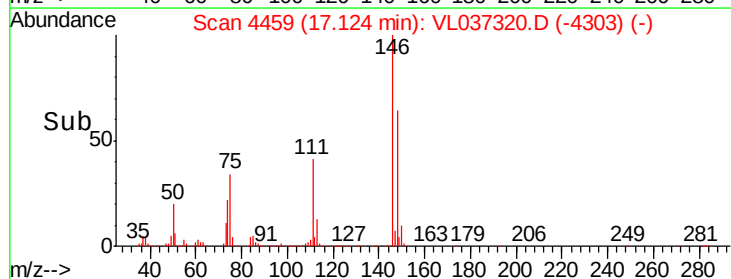
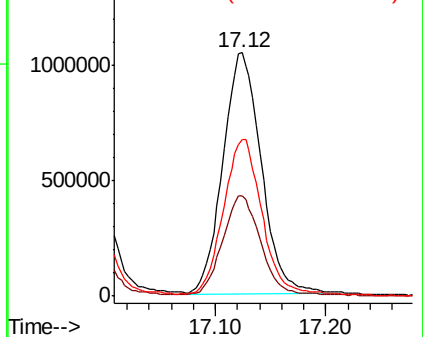
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.0	63.0
148	66.4	33.5	100.4

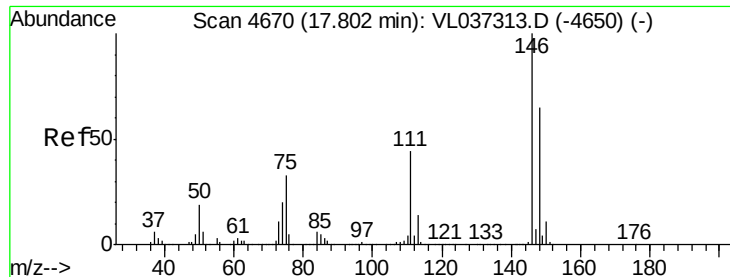


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.439 ppbv

RT: 17.80 min Scan# 4670

Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Instrument :

MSVOA_L

ClientSampleId :

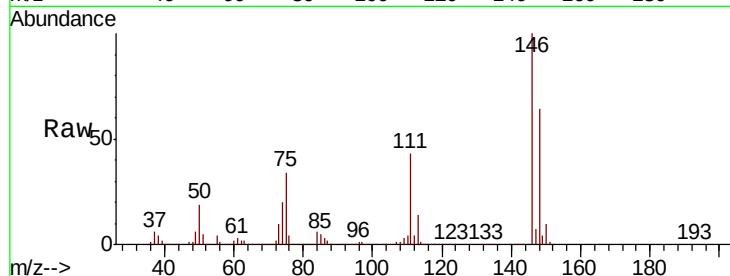
Tot Ion:146 Resp: 2509119

Ion Ratio Lower Upper

146 100

111 44.2 22.1 66.5

148 64.7 32.5 97.4

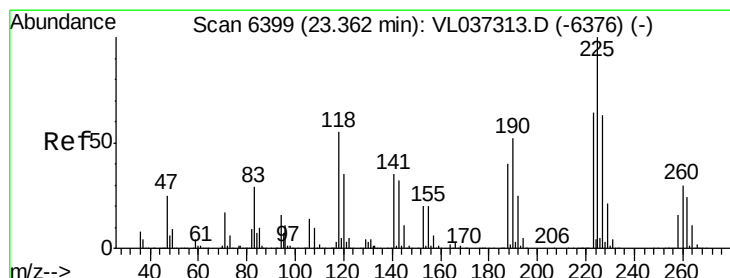
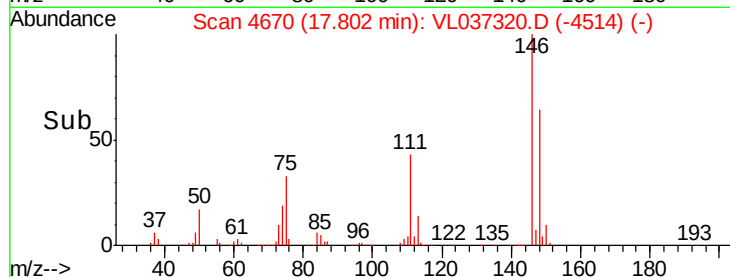
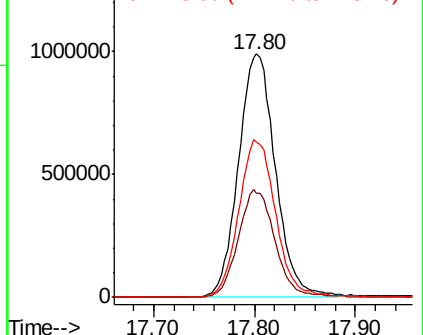


Abundance

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: 6.779 ppbv

RT: 23.36 min Scan# 6398

Delta R.T. -0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

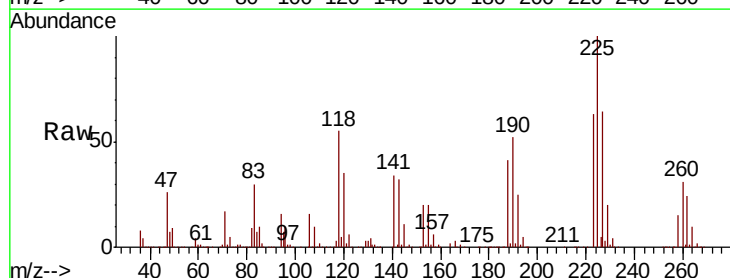
Tgt Ion:225 Resp: 2053307

Ion Ratio Lower Upper

225 100

223 63.2 51.1 76.7

227 64.4 51.9 77.9

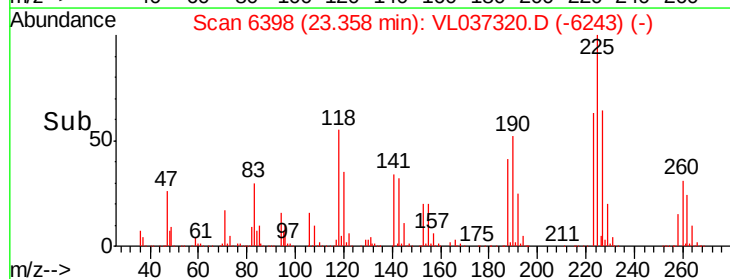
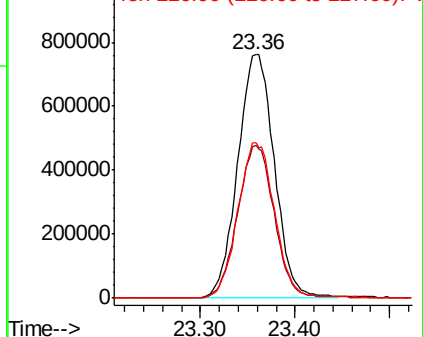


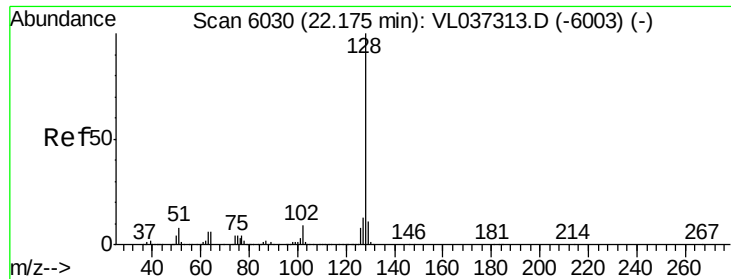
Abundance

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: 8.746 ppbv

RT: 22.18 min Scan# 6030

Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

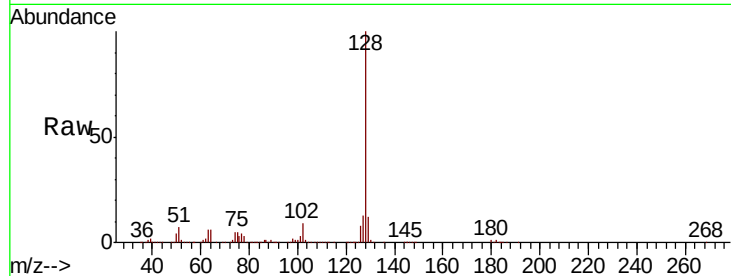
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 4522297

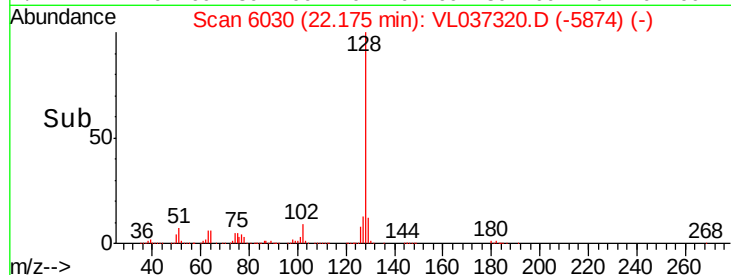
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.6	8.6	12.8



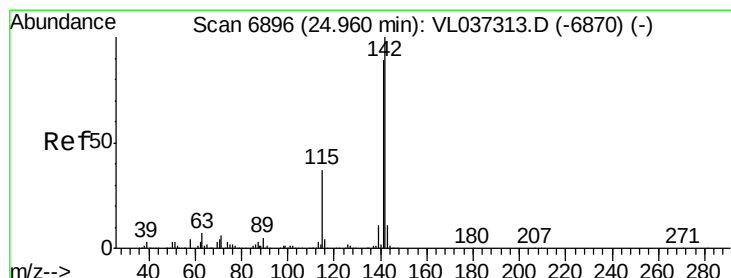
Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



Time-->



#80

Naphthalene, 2-methyl-

Concen: 12.769 ppbv

RT: 24.96 min Scan# 6895

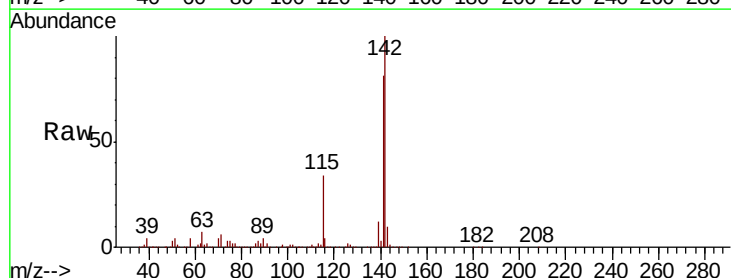
Delta R.T. -0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Tgt Ion:142 Resp: 1072931

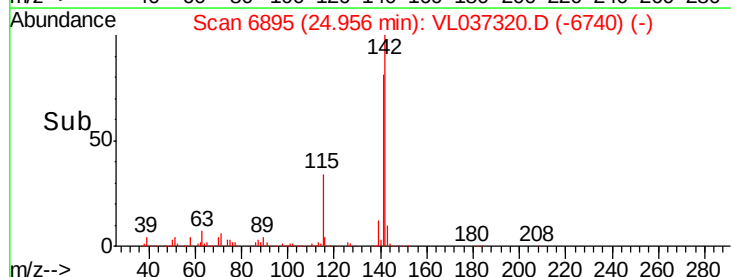
Ion	Ratio	Lower	Upper
142	100		
141	94.0	67.2	100.8
115	36.3	27.9	41.9



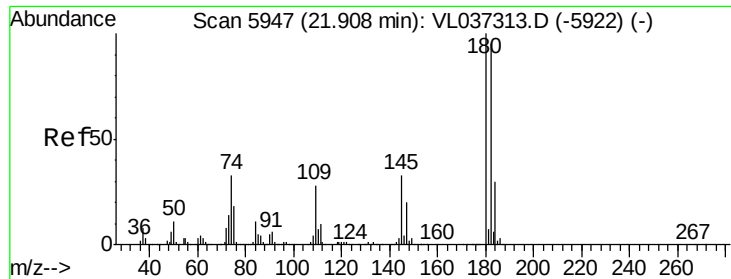
Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



Time-->



#81

1,2,4-Trichlorobenzene

Concen: 8.107 ppbv

RT: 21.91 min Scan# 5947

Delta R.T. 0.00 min

Lab File: VL037320.D

Acq: 4 Aug 2021 22:36

Instrument :

MSVOA_L

ClientSampleId :

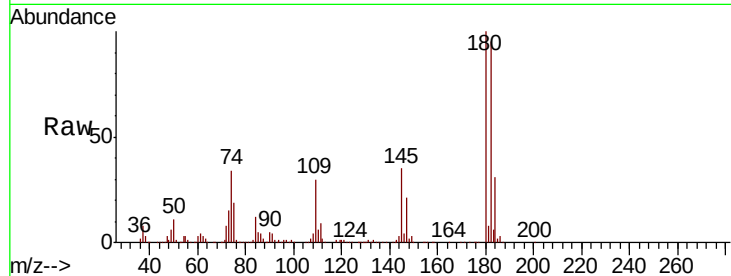
Tot Ion:180 Resp: 2435244

Ion Ratio Lower Upper

180 100

182 99.1 78.0 117.0

184 31.3 25.0 37.4



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

