

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037066.D
 Acq On : 1 Jun 2021 11:33
 Operator : SY/AP
 Sample : VL0601ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 02 02:59:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1368174	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4252626	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	5082209	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	3154356	8.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1929227	8.312	ppbv	99
3) Chlorodifluoromethane	2.98	51	2675206	10.673	ppbv	95
4) Chloromethane	3.13	50	897407	10.521	ppbv	99
5) Vinyl Chloride	3.25	62	991171	10.631	ppbv	98
6) Bromomethane	3.46	94	539687	10.986	ppbv	99
7) Chloroethane	3.55	64	357854	11.821	ppbv	96
8) Dichlorotetrafluoroethane	3.18	85	2458216	11.280	ppbv	97
9) Propene	3.00	41	856430	9.542	ppbv	98
10) Heptane	8.10	43	2205722	9.861	ppbv	100
11) Trichlorofluoromethane	3.93	101	2655447	12.360	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1860410	12.157	ppbv	96
13) Ethanol	3.60	45	98855	8.255	ppbv	84
14) Bromoethene	3.73	108	805815	11.955	ppbv	99
15) Acetone	3.84	43	1362982	9.726	ppbv	95
16) 1,3-Butadiene	3.31	39	959449	11.020	ppbv	98
17) tert-Butyl alcohol	4.28	59	1407876	10.968	ppbv	98
18) 1,1-Dichloroethene	4.27	96	834255	11.790	ppbv	99
19) Isopropyl Alcohol	3.96	45	862592	11.451	ppbv	# 34
20) Methylene Chloride	4.33	84	699587	9.313	ppbv	97
21) Allyl Chloride	4.40	41	1137197	10.757	ppbv	95
22) trans-1,2-Dichloroethene	4.87	96	822788	12.133	ppbv	97
23) Vinyl Acetate	5.06	43	2384537	10.720	ppbv	# 98
24) 1,1-Dichloroethane	5.00	63	1724996	10.774	ppbv	100
25) Ethyl Acetate	5.66	43	3409874	10.126	ppbv	99
26) Hexane	5.67	57	1665663	9.682	ppbv	97
27) Carbon Disulfide	4.54	76	1983340	11.439	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	2050464	9.944	ppbv	99
29) Chloroform	5.74	83	2737306	11.263	ppbv	97
30) Cyclohexane	7.11	84	1503584	10.285	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1680734	10.897	ppbv	95
32) 1,1,1-Trichloroethane	6.49	97	2876550	11.022	ppbv	99
34) 2-Butanone	5.23	43	1640382	10.593	ppbv	98
35) Carbon Tetrachloride	7.00	117	3106777	10.995	ppbv	99
36) Benzene	6.87	78	3513750	9.592	ppbv	98
37) 1,2-Dichloroethane	6.29	62	2079838	11.452	ppbv	98
38) Trichloroethene	7.82	130	1495370	9.543	ppbv	98
39) 1,2-Dichloropropane	7.59	63	1326520	9.401	ppbv	94
40) 1,4-Dioxane	7.82	88	337225	10.121	ppbv	# 100
41) Tetrahydrofuran	6.03	42	796890	9.036	ppbv	98
42) Bromodichloromethane	7.77	83	3033373	11.041	ppbv	99
43) Methyl Methacrylate	8.00	69	1279011	10.131	ppbv	99

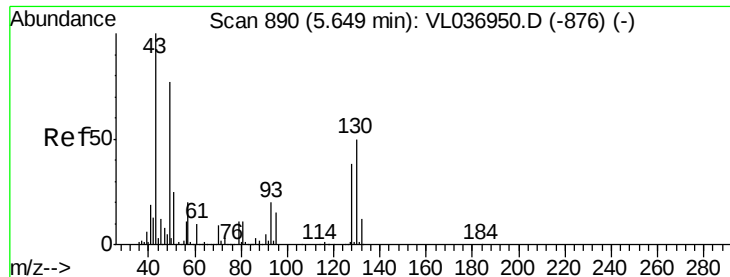
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037066.D
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5756669	9.160	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	1011736	10.489	ppbv	95
46) cis-1,3-Dichloropropene	8.68	75	1335249	10.292	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1513083	10.245	ppbv	98
48) Dibromochloromethane	10.28	129	2742160	11.467	ppbv	100
49) Bromoform	13.02	173	2279939	11.545	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2499906	9.783	ppbv	99
51) 2-Hexanone	10.12	43	1324339	9.804	ppbv #	97
52) Tetrachloroethene	11.20	164	1455571	9.993	ppbv	96
53) Toluene	9.78	91	4225842	9.696	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2231075	10.626	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	1842813	8.618	ppbv #	55
57) Chlorobenzene	12.13	112	3219668	8.170	ppbv	99
58) Ethyl Benzene	12.69	91	5625916	7.843	ppbv	99
59) m/p-Xylene	12.97	91	5084422	8.575	ppbv #	40
60) o-Xylene	13.67	91	4567915	8.078	ppbv	98
61) Styrene	13.51	104	2640503	8.288	ppbv	98
62) Isopropylbenzene	14.64	105	6421209	7.901	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	3085830	7.307	ppbv	99
64) n-propylbenzene	15.54	120	1765556	8.420	ppbv	99
65) tert-Butylbenzene	16.72	119	5925801	8.081	ppbv	99
66) Benzyl Chloride	16.97	91	296420	7.285	ppbv	99
67) sec-Butylbenzene	17.27	105	7956727	7.953	ppbv	99
69) p-Isopropyltoluene	17.63	119	7020346	8.162	ppbv	99
70) n-Butylbenzene	18.53	91	6794199	8.315	ppbv	99
71) 2-Chlorotoluene	15.43	91	4708317	8.021	ppbv	98
72) 4-Ethyltoluene	15.82	105	5636243	8.398	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	5197335	8.246	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	5404396	8.293	ppbv	98
75) 1,3-Dichlorobenzene	16.98	146	3366593	8.460	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	3272978	8.135	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	3294230	8.262	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	2381247	7.427	ppbv	100
79) Naphthalene	22.17	128	4749775	9.289	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	871728	7.840	ppbv	92
81) 1,2,4-Trichlorobenzene	21.90	180	2669020	8.563	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

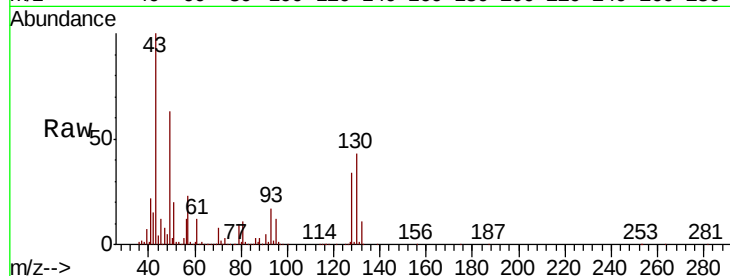
Tot Ion: 49 Resp: 1368174

Ion Ratio Lower Upper

49 100

128 60.6 26.9 80.7

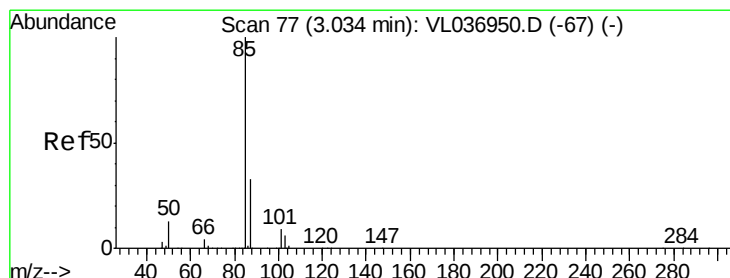
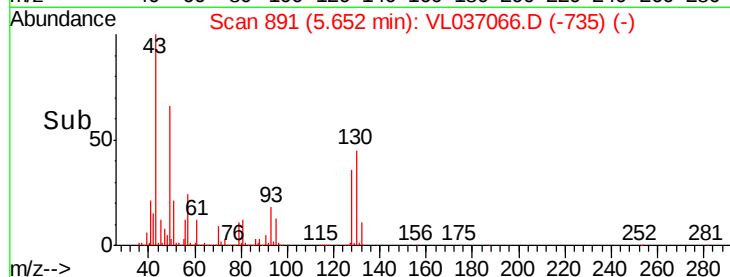
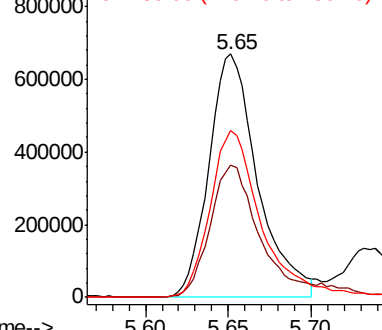
130 73.2 33.8 101.4



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: 8.312 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.00 min

Lab File: VL037066.D

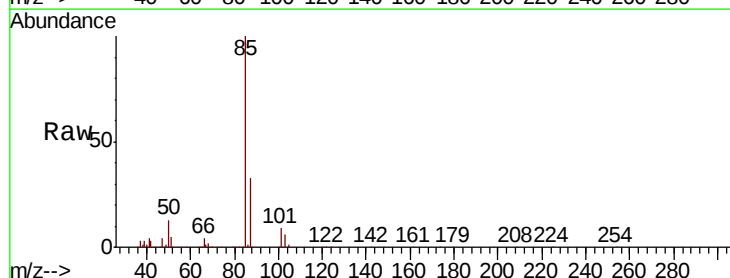
Acq: 1 Jun 2021 11:33

Tgt Ion: 85 Resp: 1929227

Ion Ratio Lower Upper

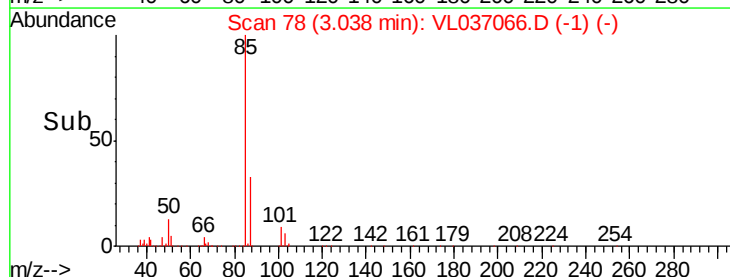
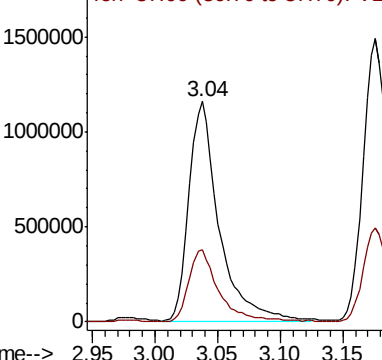
85 100

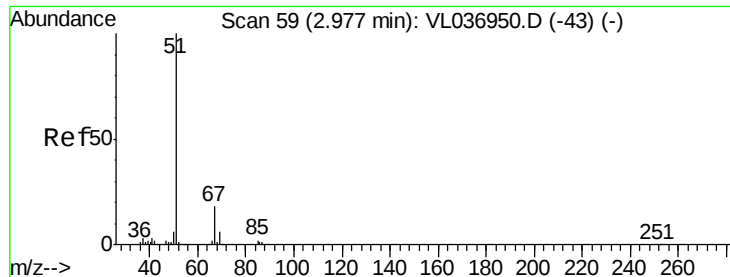
87 32.6 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.673 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

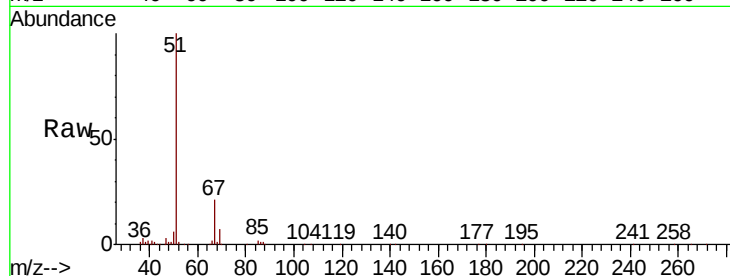
ClientSampleId :

Tot Ion: 51 Resp: 2675206

Ion Ratio Lower Upper

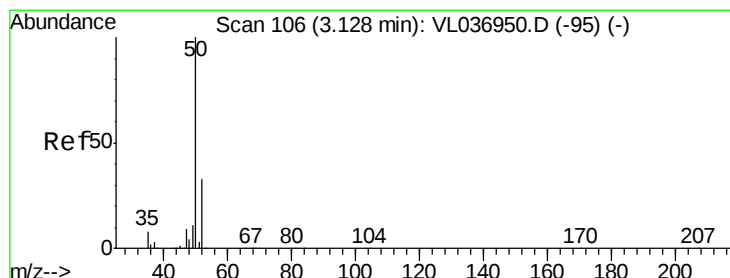
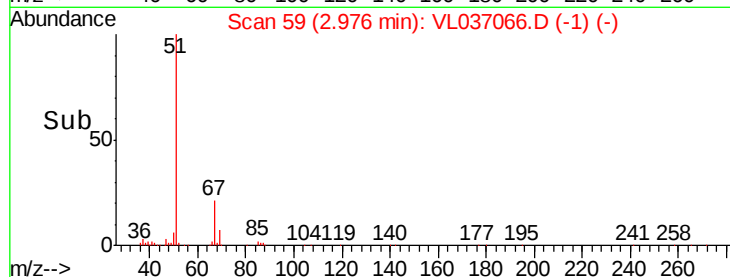
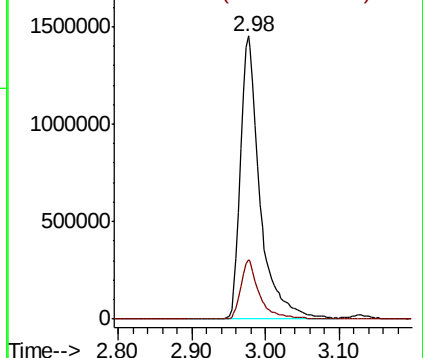
51 100

67 20.2 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.521 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL037066.D

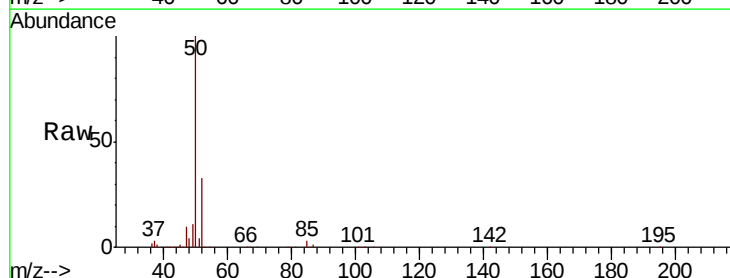
Acq: 1 Jun 2021 11:33

Tgt Ion: 50 Resp: 897407

Ion Ratio Lower Upper

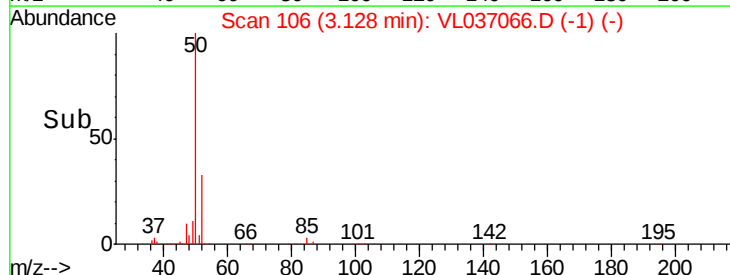
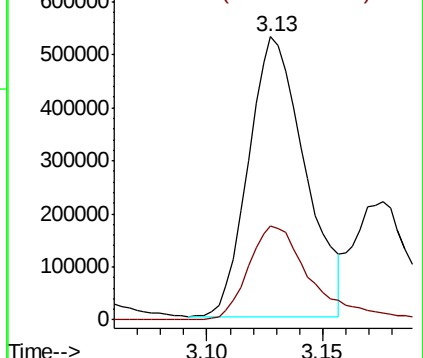
50 100

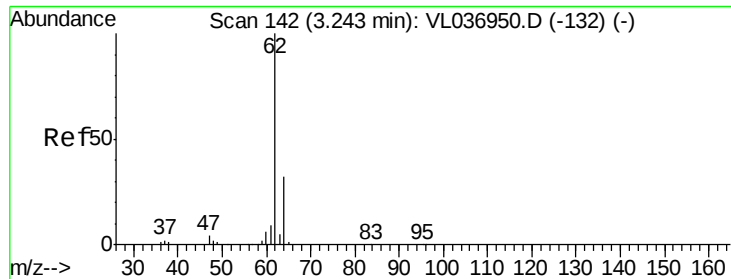
52 33.3 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.631 ppbv

RT: 3.25 min Scan# 143

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

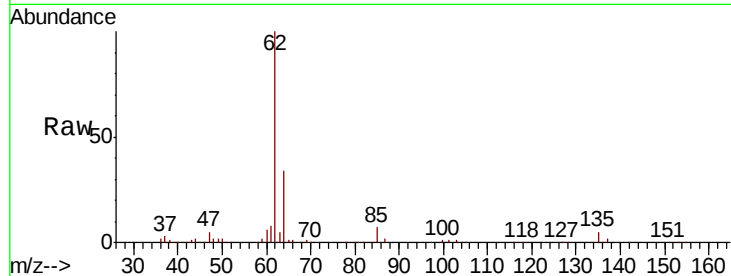
ClientSampleId :

Tot Ion: 62 Resp: 991171

Ion Ratio Lower Upper

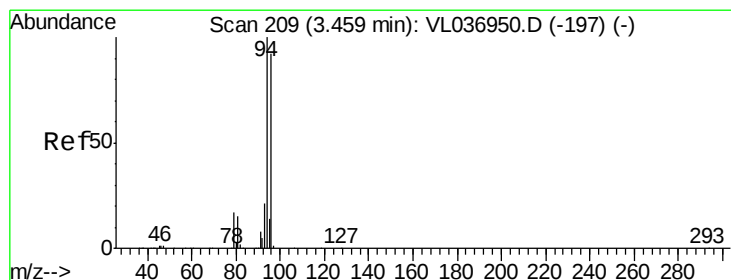
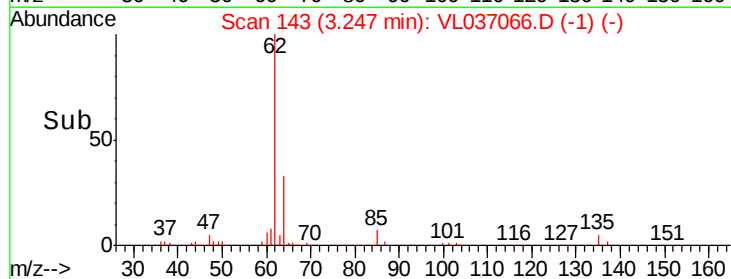
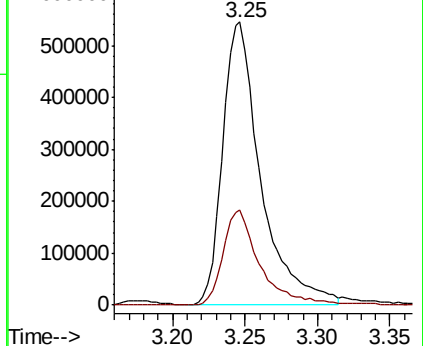
62 100

64 33.6 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.986 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL037066.D

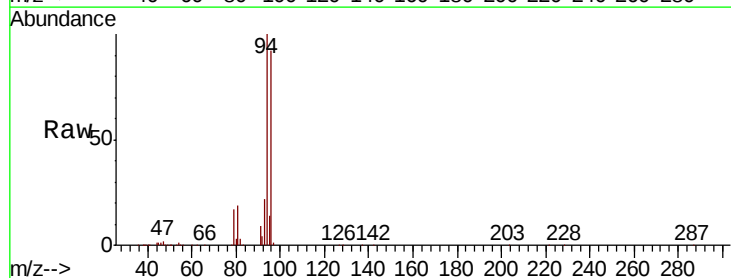
Acq: 1 Jun 2021 11:33

Tgt Ion: 94 Resp: 539687

Ion Ratio Lower Upper

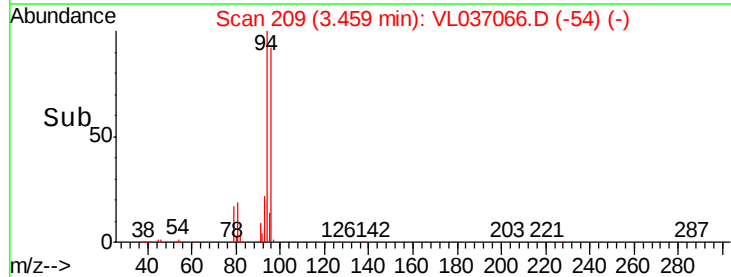
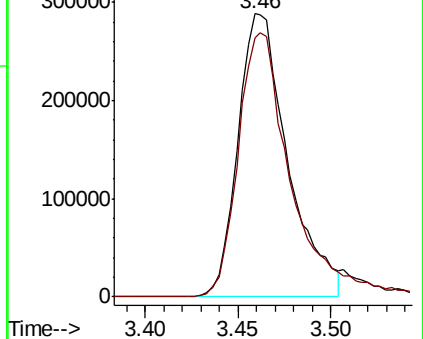
94 100

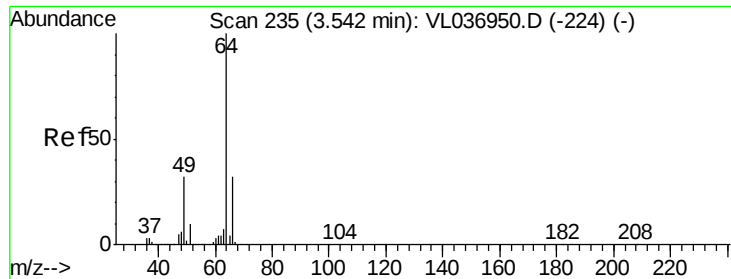
96 91.6 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 11.821 ppbv

RT: 3.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

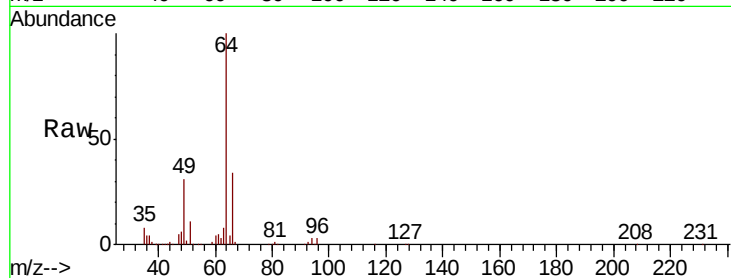
ClientSampleId :

Tot Ion: 64 Resp: 357854

Ion Ratio Lower Upper

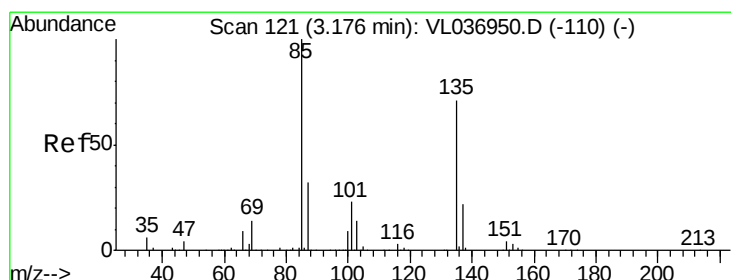
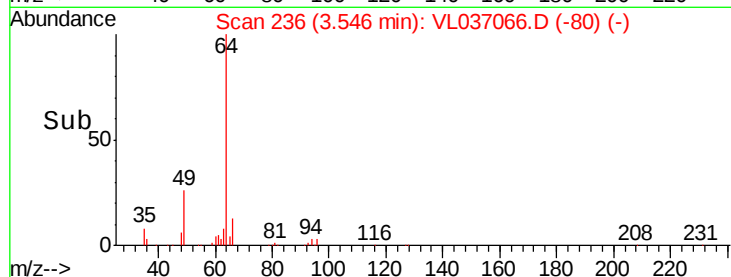
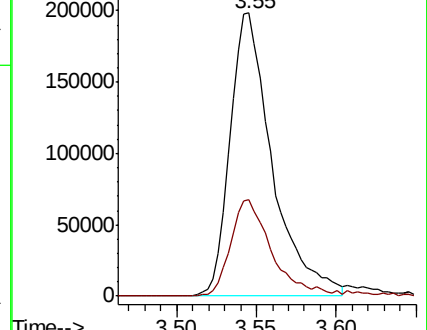
64 100

66 34.0 25.4 38.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 11.280 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL037066.D

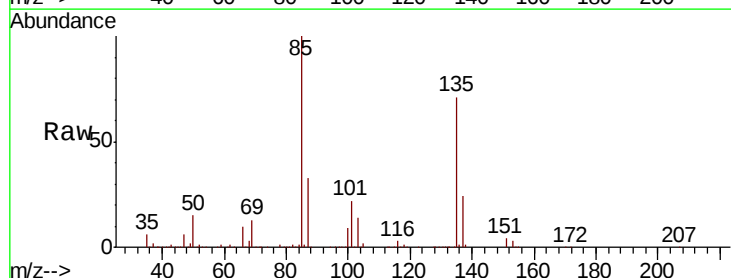
Acq: 1 Jun 2021 11:33

Tgt Ion: 85 Resp: 2458216

Ion Ratio Lower Upper

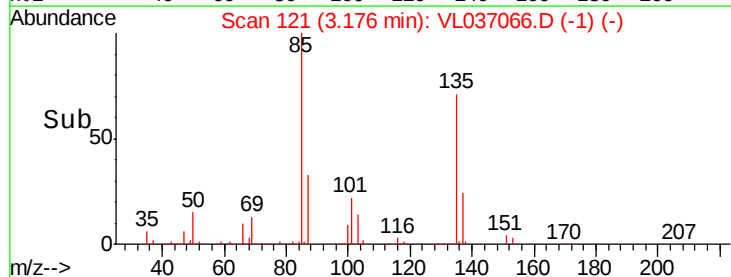
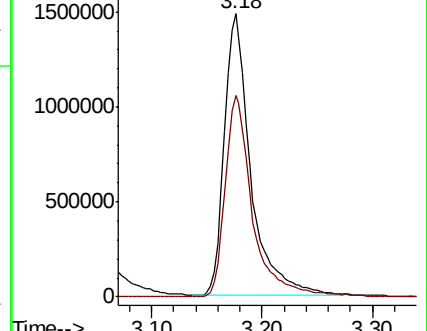
85 100

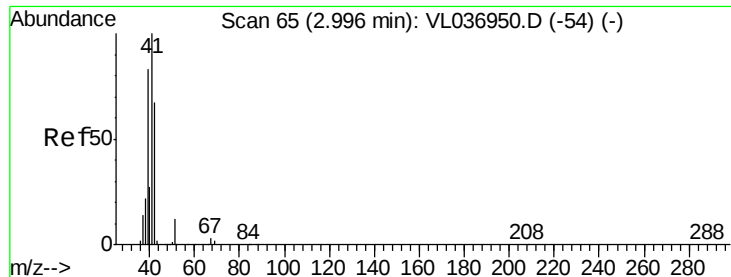
135 74.5 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.542 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

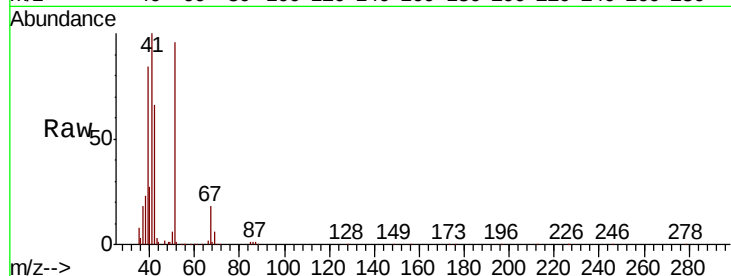
ClientSampleId :

Tot Ion: 41 Resp: 856430

Ion Ratio Lower Upper

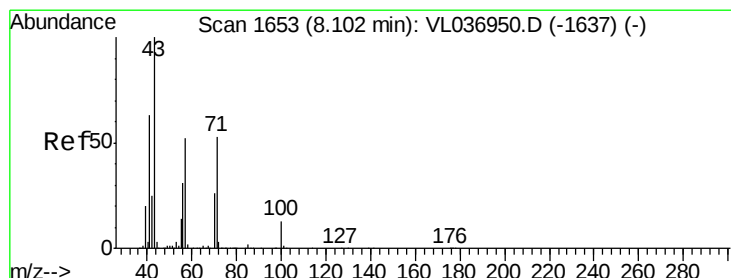
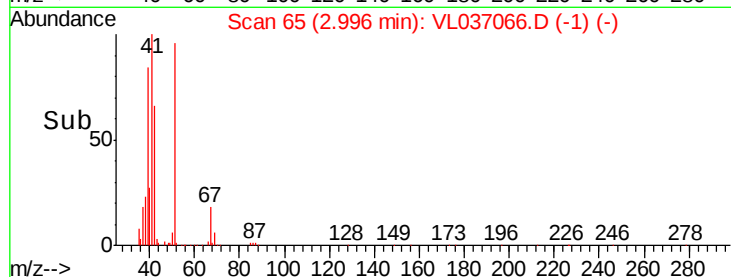
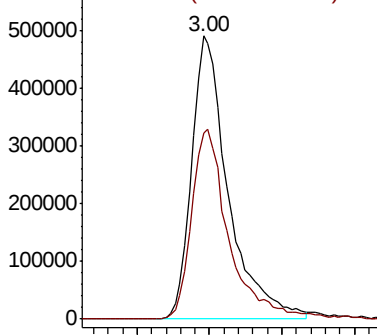
41 100

42 68.8 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.861 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL037066.D

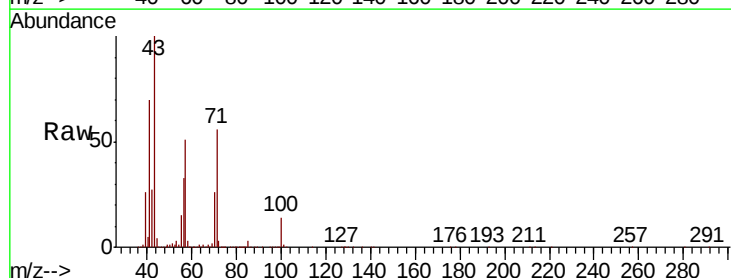
Acq: 1 Jun 2021 11:33

Tgt Ion: 43 Resp: 2205722

Ion Ratio Lower Upper

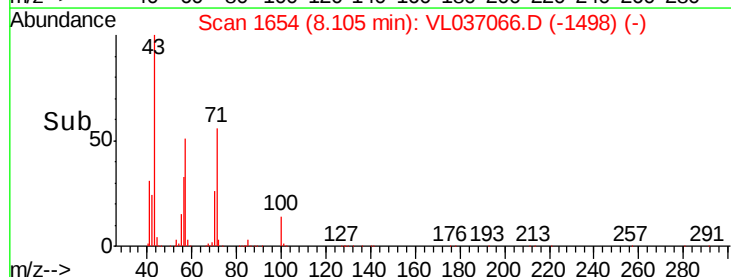
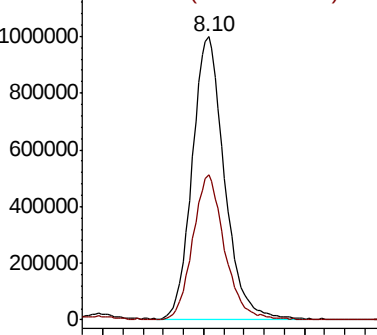
43 100

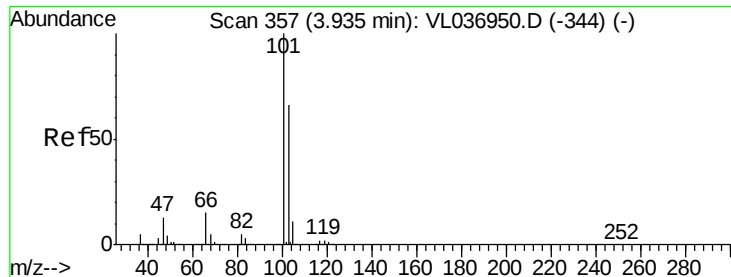
57 51.2 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

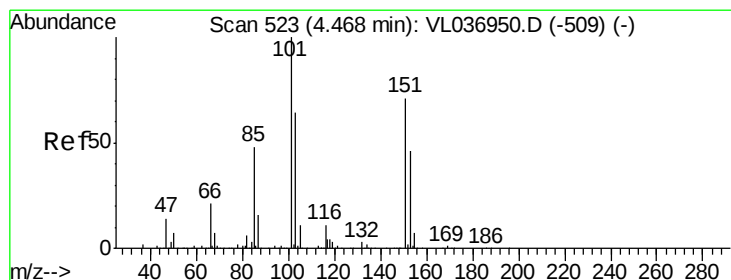
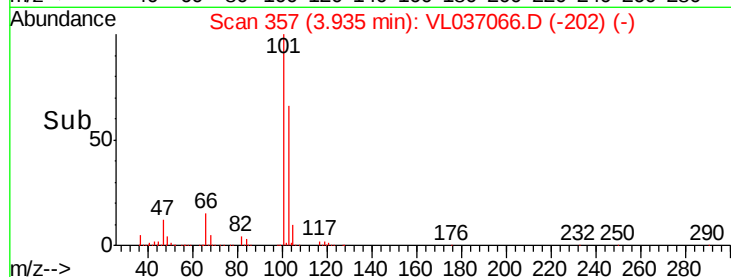
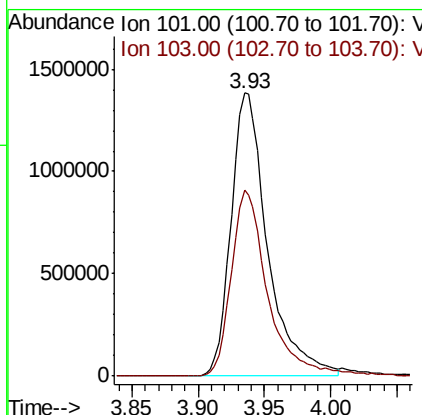
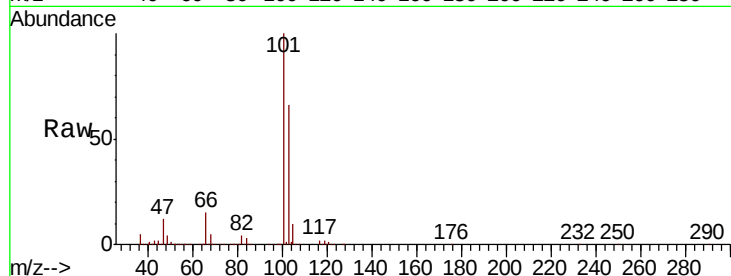




#11
 Trichlorofluoromethane
 Concen: 12.360 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

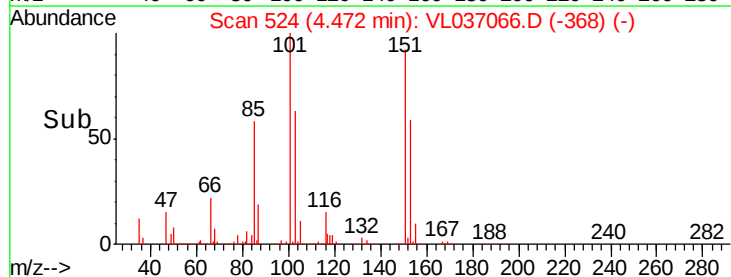
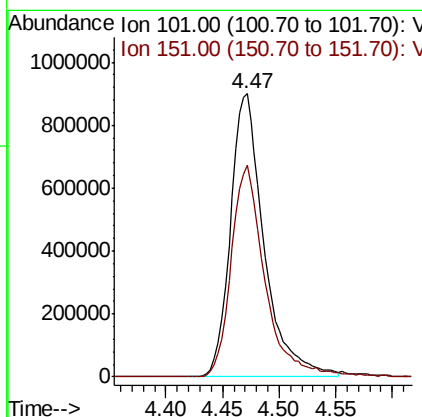
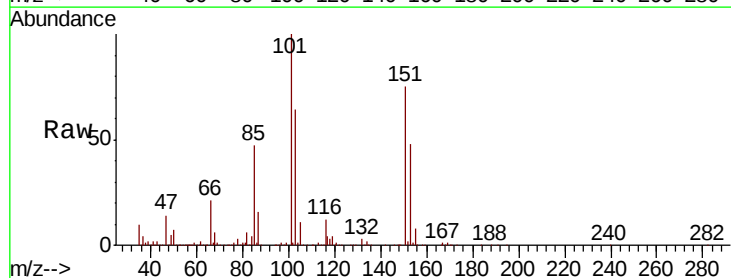
Instrument :
 MSVOA_L
 ClientSampleId :

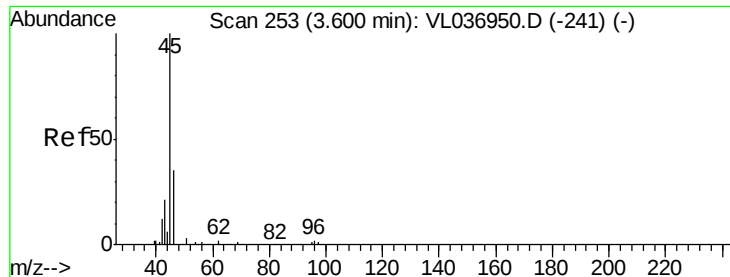
Tot Ion:101 Resp: 2655447
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.157 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion:101 Resp: 1860410
 Ion Ratio Lower Upper
 101 100
 151 75.5 57.7 86.5

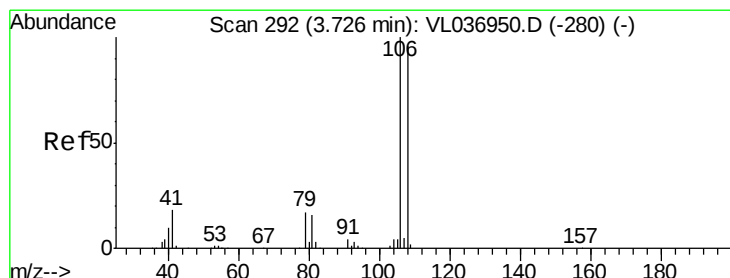
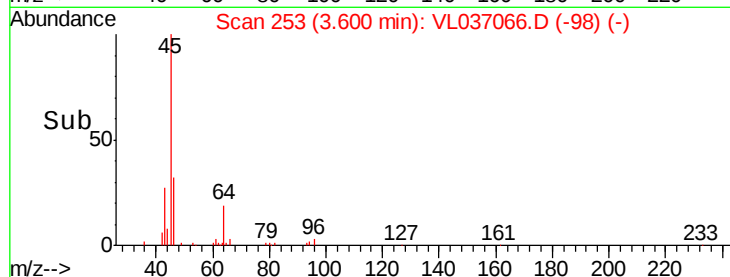
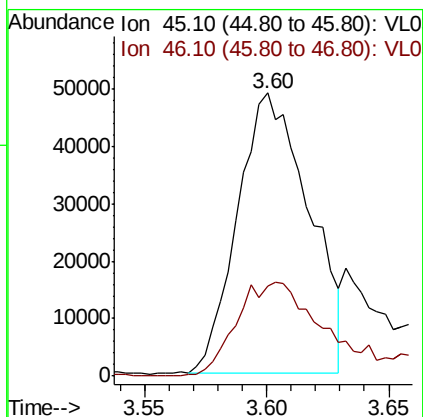
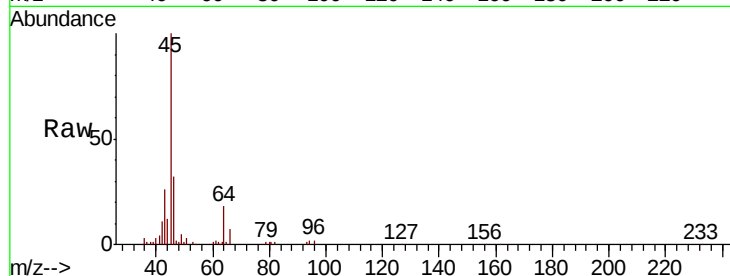




#13
Ethanol
Concen: 8.255 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

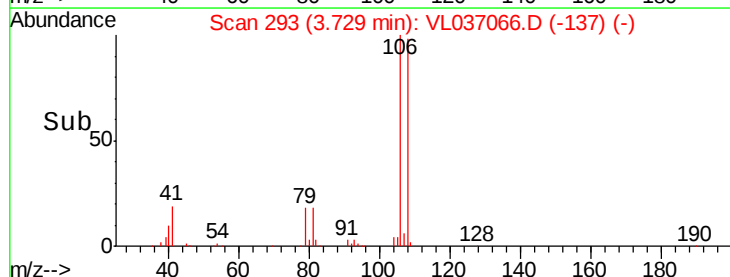
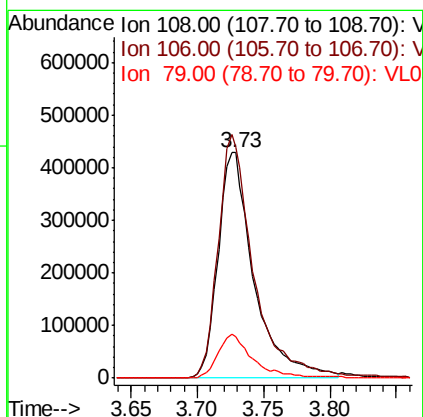
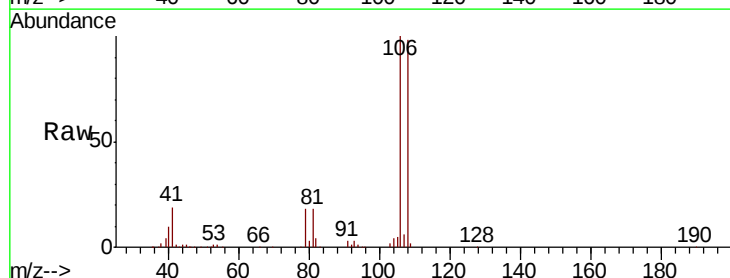
Instrument :
MSVOA_L
ClientSampleId :

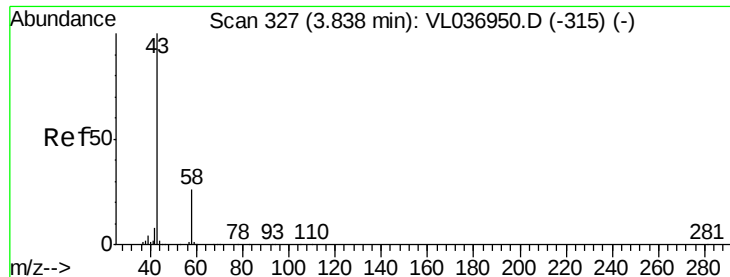
Tot Ion: 45 Resp: 98855
Ion Ratio Lower Upper
45 100
46 50.9 16.3 65.3



#14
Bromoethene
Concen: 11.955 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion: 108 Resp: 805815
Ion Ratio Lower Upper
108 100
106 108.3 86.5 129.7
79 19.8 15.0 22.4

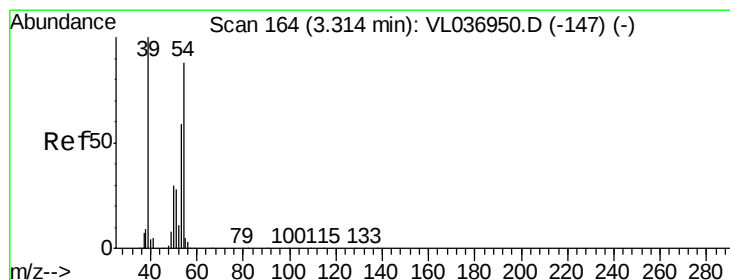
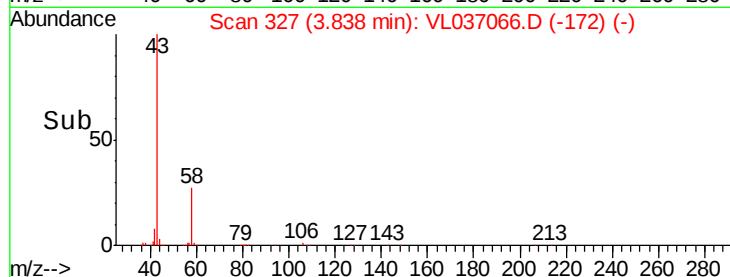
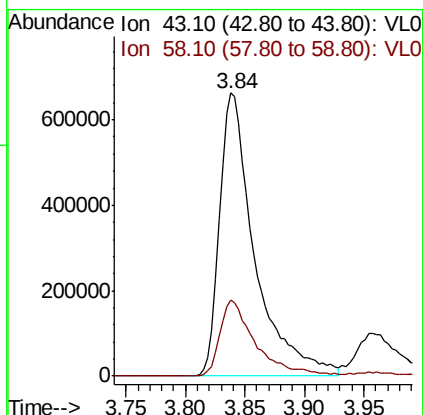
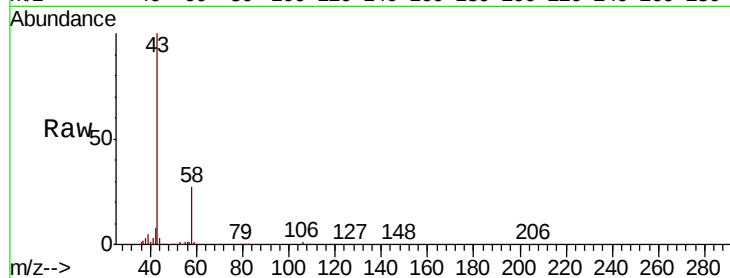




#15
Acetone
Concen: 9.726 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

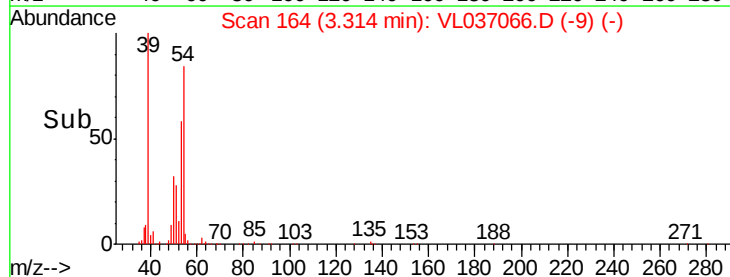
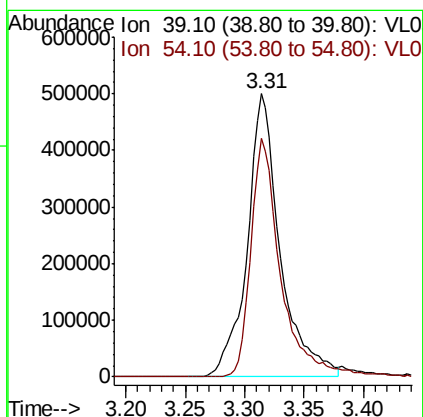
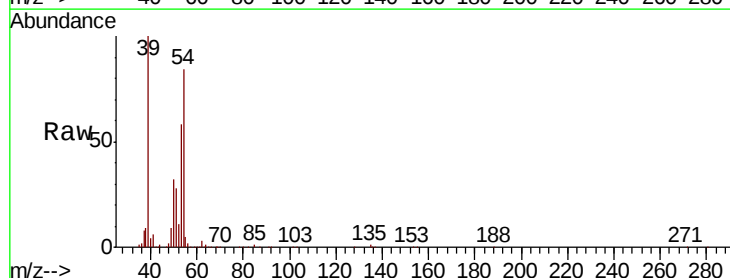
Instrument :
MSVOA_L
ClientSampleId :

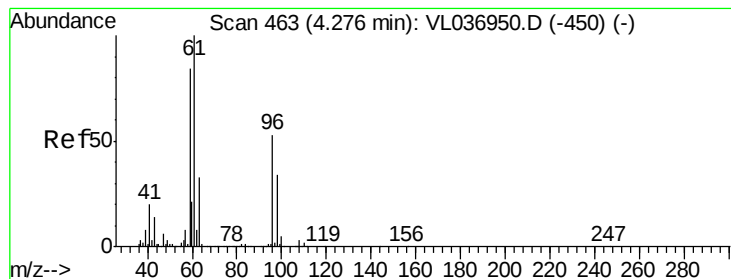
Tot Ion: 43 Resp: 1362982
Ion Ratio Lower Upper
43 100
58 27.3 24.0 36.0



#16
1,3-Butadiene
Concen: 11.020 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion: 39 Resp: 959449
Ion Ratio Lower Upper
39 100
54 77.3 63.2 94.8



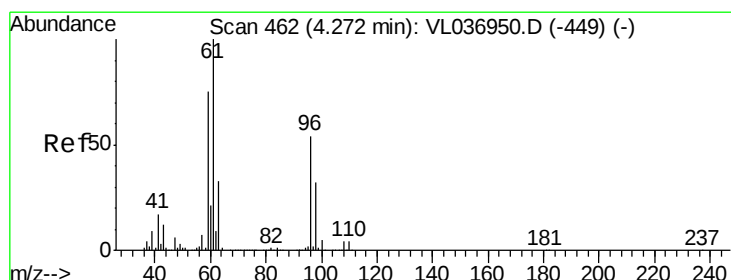
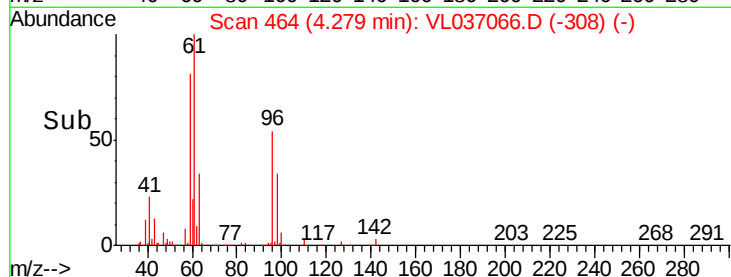
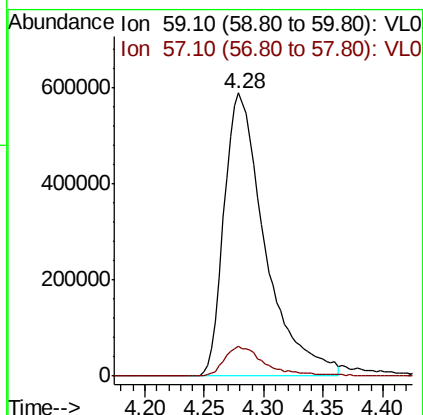
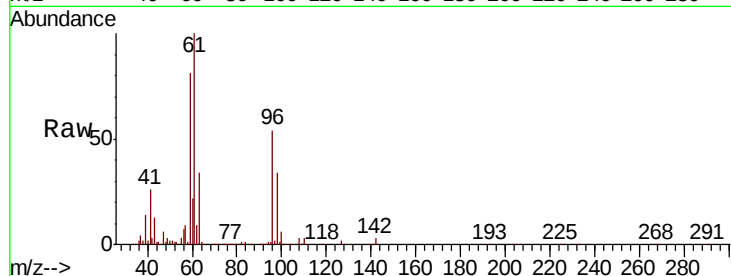


#17

tert-Butyl alcohol
 Concen: 10.968 ppbv
 RT: 4.28 min Scan# 464
 Delta R.T. 0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Instrument :
 MSVOA_L
 ClientSampleId :

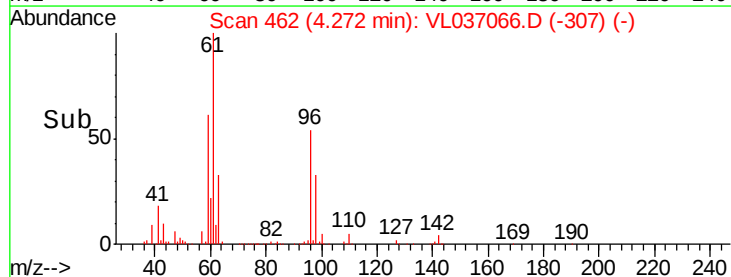
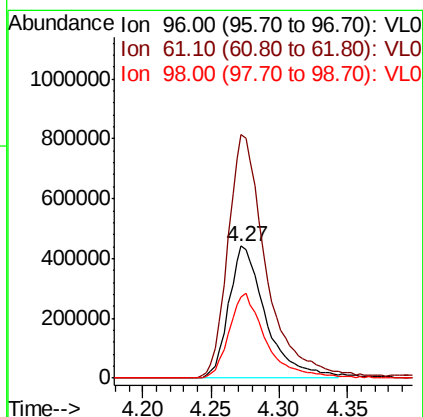
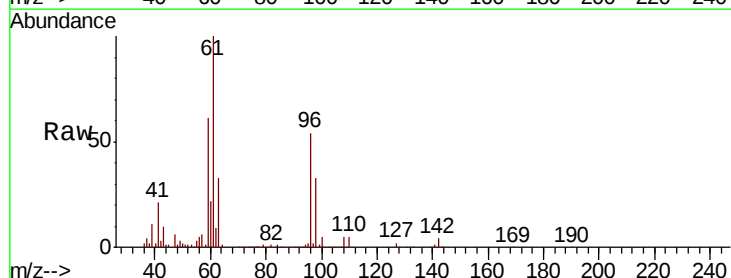
Tot Ion: 59 Resp: 1407876
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.3 12.5

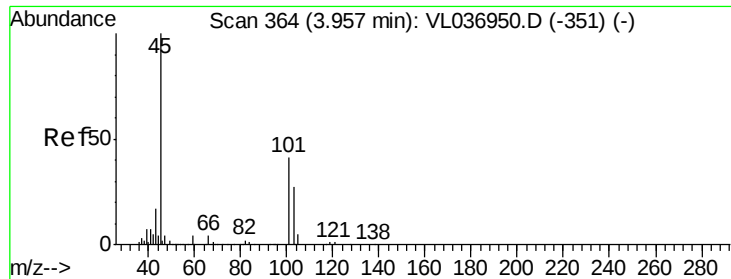


#18

1,1-Dichloroethene
 Concen: 11.790 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion: 96 Resp: 834255
 Ion Ratio Lower Upper
 96 100
 61 184.9 148.2 222.4
 98 61.3 47.8 71.6



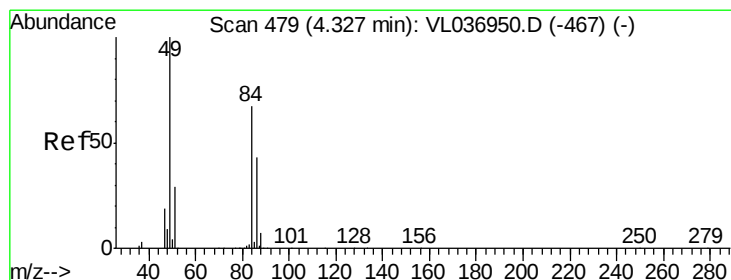
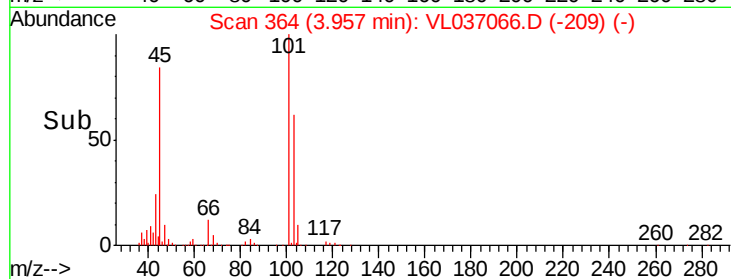
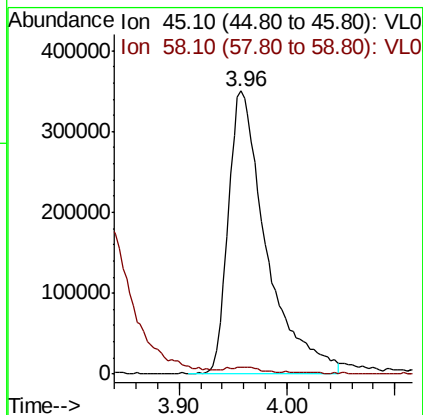
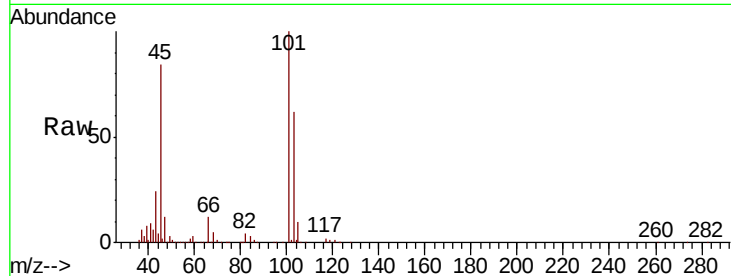


#19

Isopropyl Alcohol
 Concen: 11.451 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Instrument :
 MSVOA_L
 ClientSampleId :

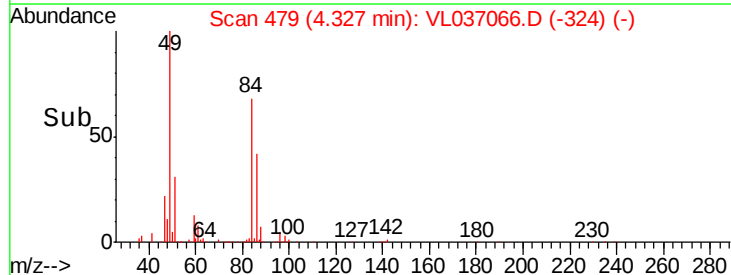
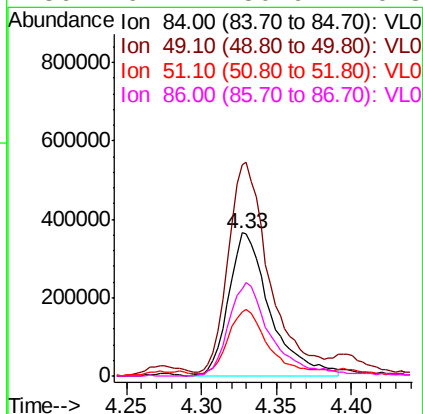
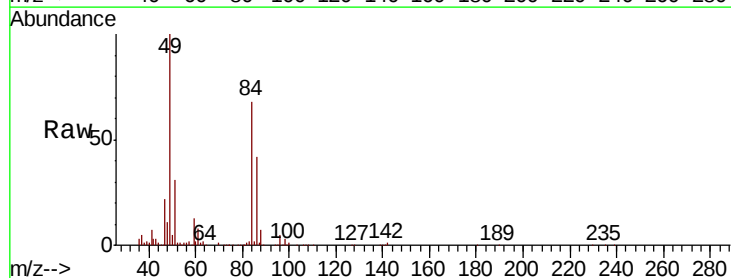
Tot Ion: 45 Resp: 862592
 Ion Ratio Lower Upper
 45 100
 58 2.8 37.2 55.8#

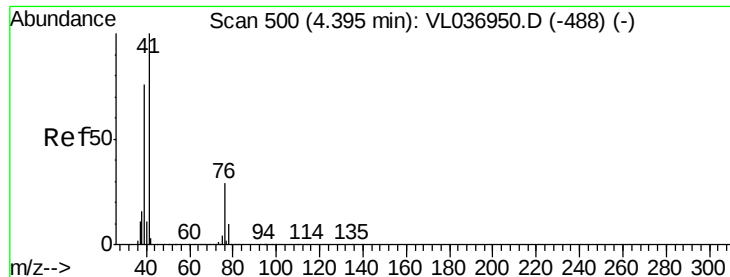


#20

Methylene Chloride
 Concen: 9.313 ppbv
 RT: 4.33 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion: 84 Resp: 699587
 Ion Ratio Lower Upper
 84 100
 49 144.4 119.8 179.6
 51 43.4 35.1 52.7
 86 61.2 50.9 76.3

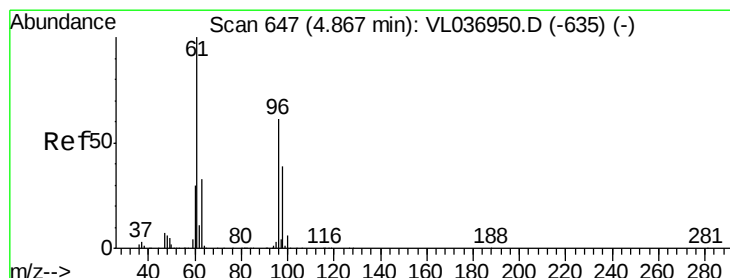
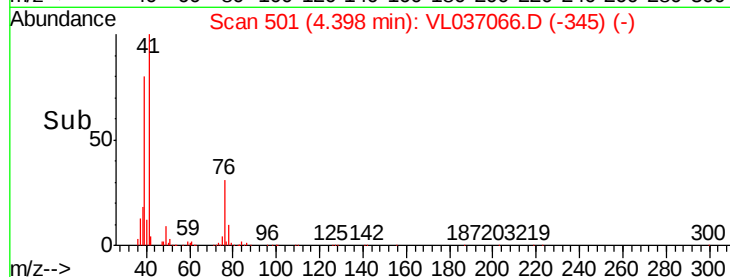
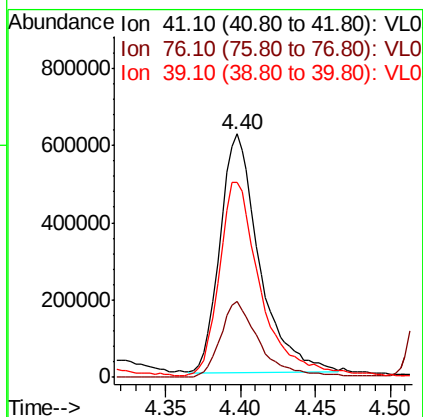
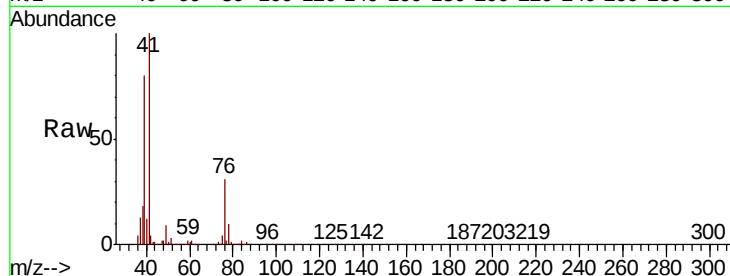




#21
Allvl Chloride
Concen: 10.757 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

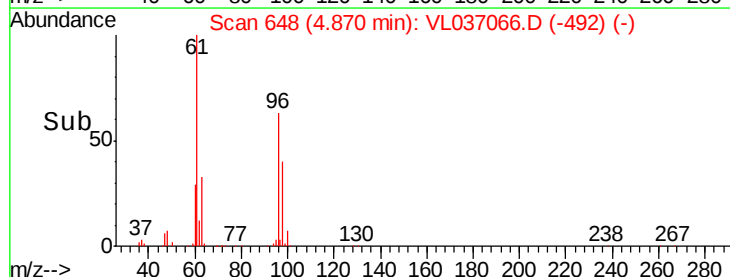
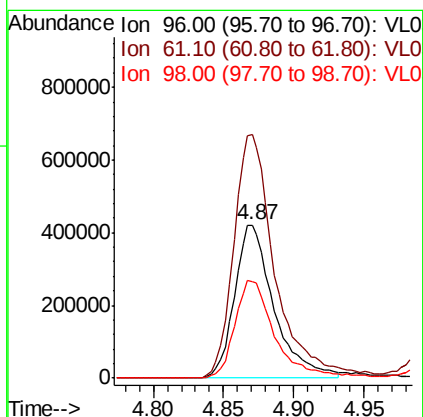
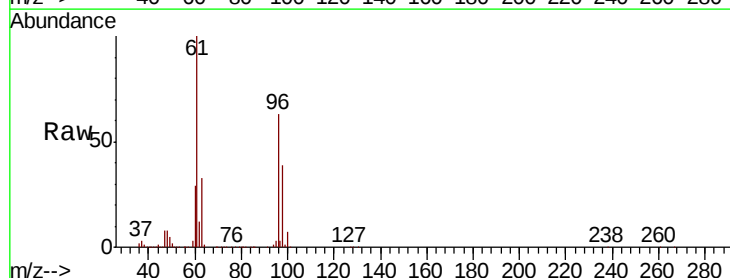
Instrument :
MSVOA_L
ClientSampleId :

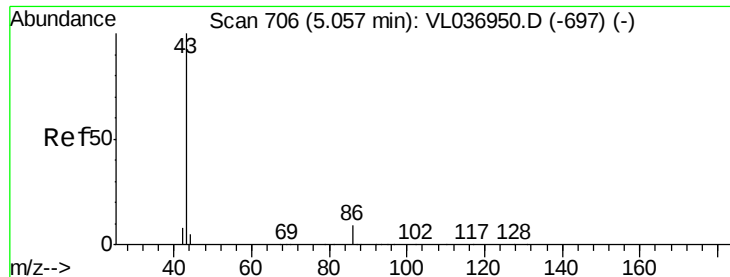
Tot Ion: 41 Resp: 1137197
Ion Ratio Lower Upper
41 100
76 32.2 24.9 37.3
39 84.9 63.7 95.5



#22
trans-1,2-Dichloroethene
Concen: 12.133 ppbv
RT: 4.87 min Scan# 648
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion: 96 Resp: 822788
Ion Ratio Lower Upper
96 100
61 158.9 130.6 196.0
98 62.8 50.8 76.2





#23

Vinyl Acetate

Concen: 10.720 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 2384537

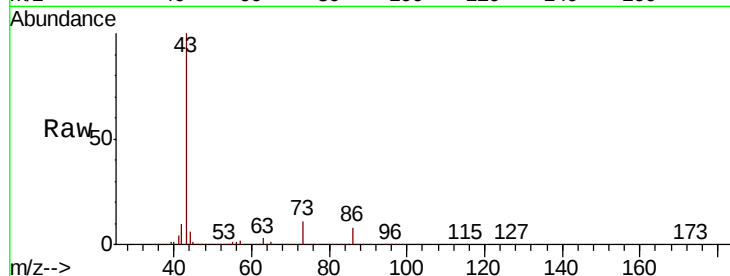
Ion Ratio Lower Upper

43 100

86 7.7 5.8 8.8

42 10.1 7.4 11.2

44 5.3 3.3 4.9#

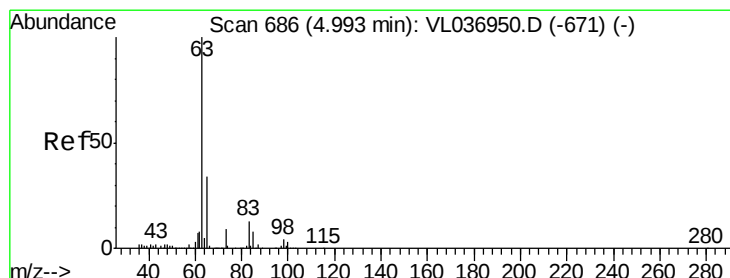
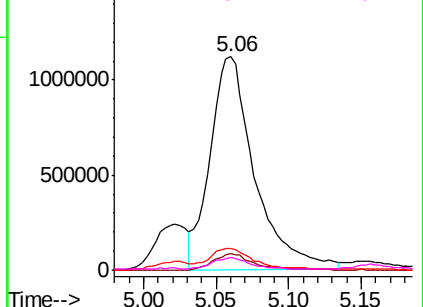
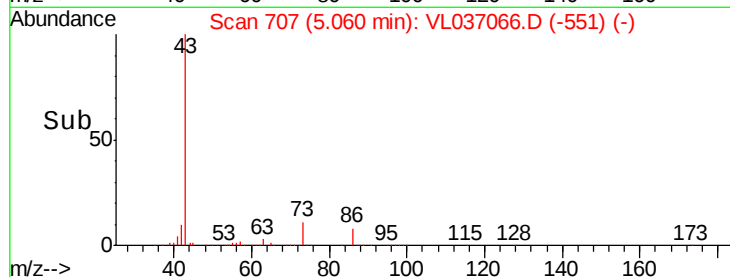


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.774 ppbv

RT: 5.00 min Scan# 687

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

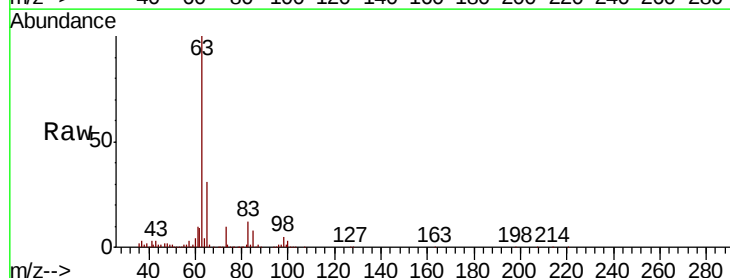
Tgt Ion: 63 Resp: 1724996

Ion Ratio Lower Upper

63 100

98 4.6 2.3 6.9

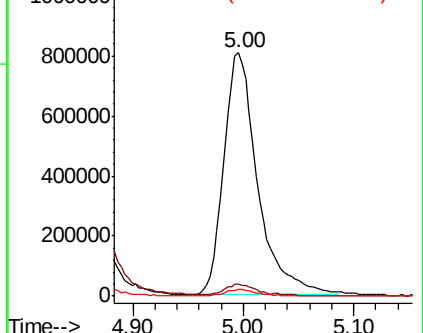
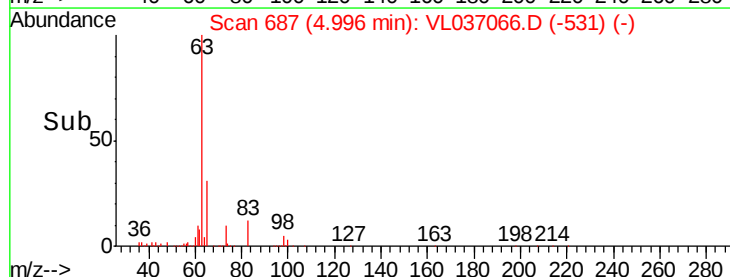
100 3.0 1.4 4.0

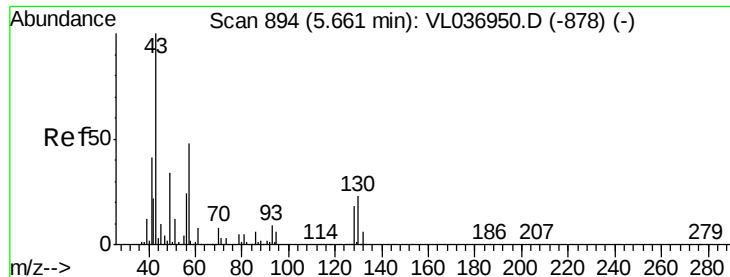


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



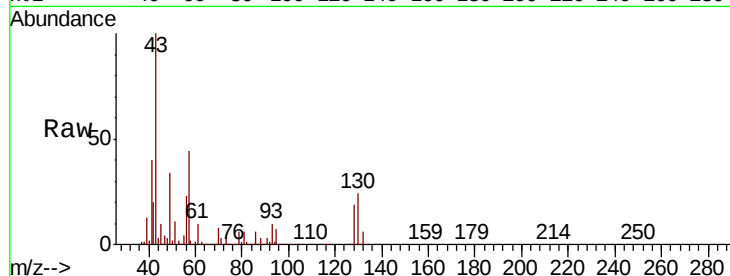


#25
Ethyl Acetate
Concen: 10.126 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3409874

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.8
61	9.5	7.8	11.8
70	6.8	5.6	8.4



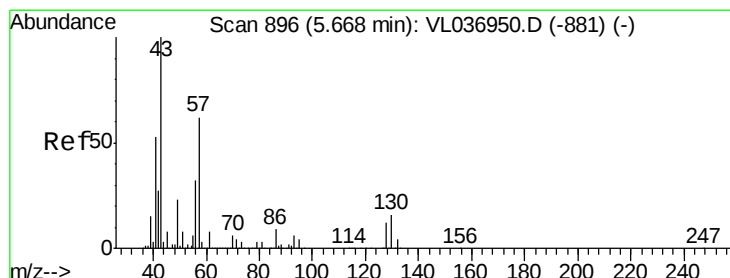
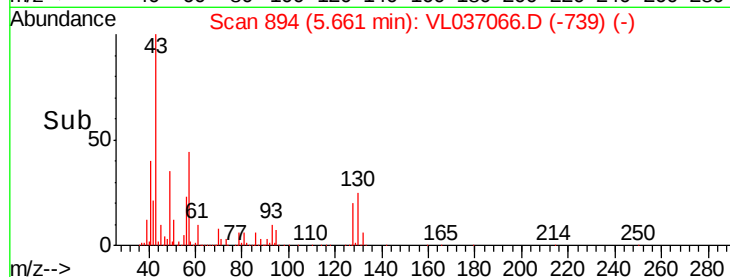
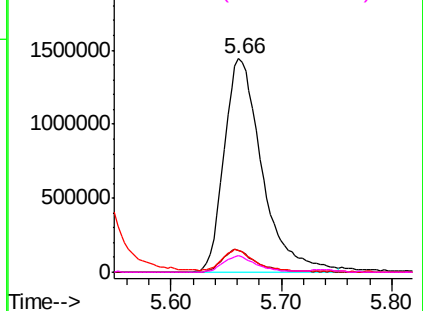
Abundance

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

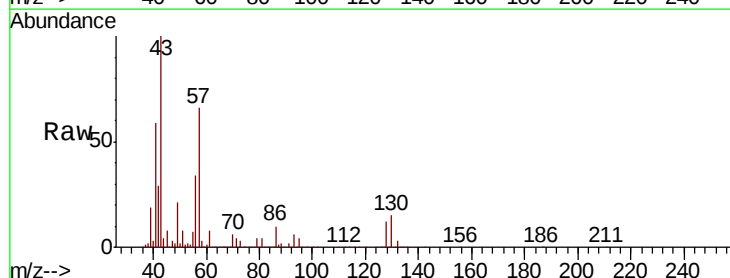
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.682 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion: 57 Resp: 1665663

Ion	Ratio	Lower	Upper
57	100		
41	93.5	70.5	105.7
43	210.2	165.8	248.8
56	53.4	42.2	63.4



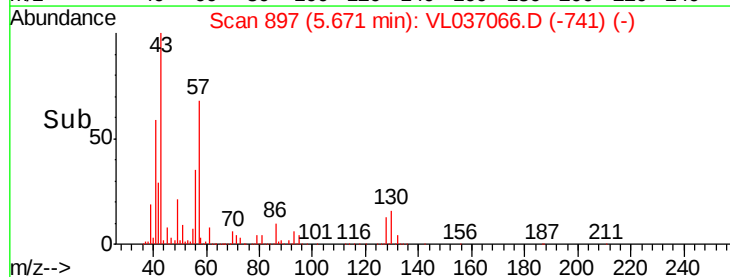
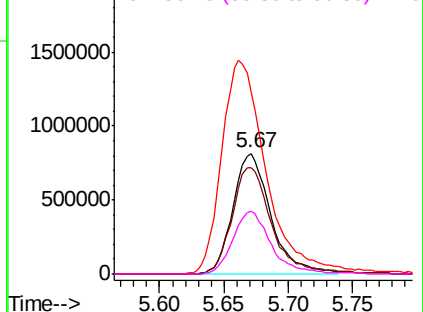
Abundance

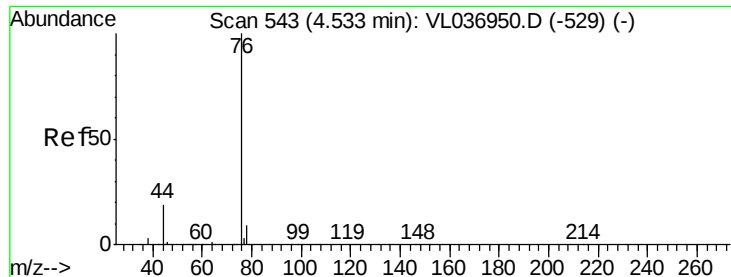
Ion 57.10 (56.80 to 57.80): VL0

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: 11.439 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampled :

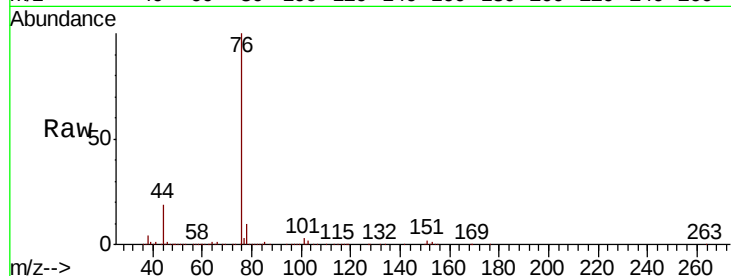
Tot Ion: 76 Resp: 1983340

Ion Ratio Lower Upper

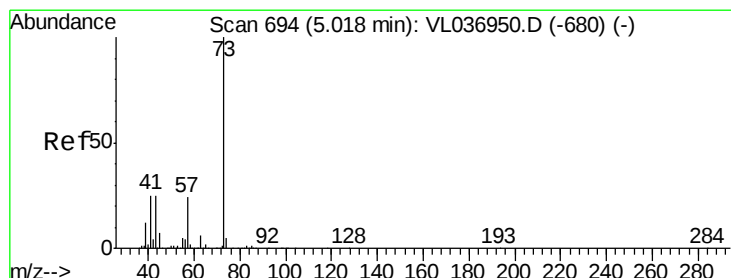
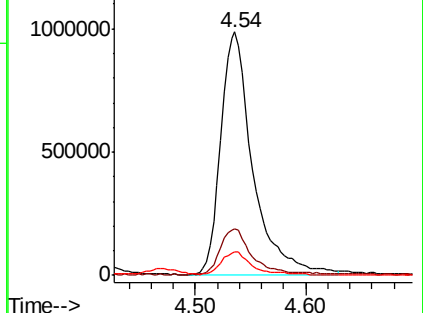
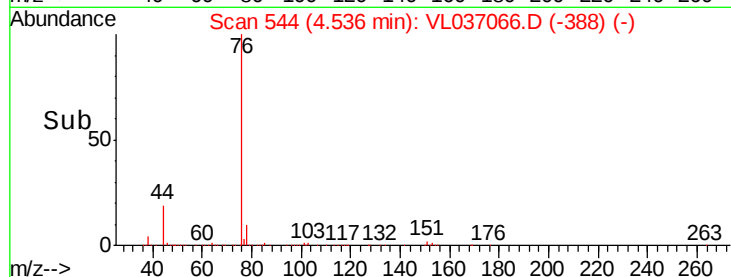
76 100

44 19.2 15.5 23.3

78 9.9 7.8 11.6



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: 9.944 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL037066.D

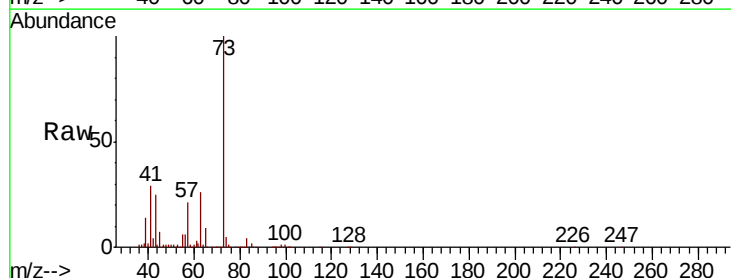
Acq: 1 Jun 2021 11:33

Tgt Ion: 73 Resp: 2050464

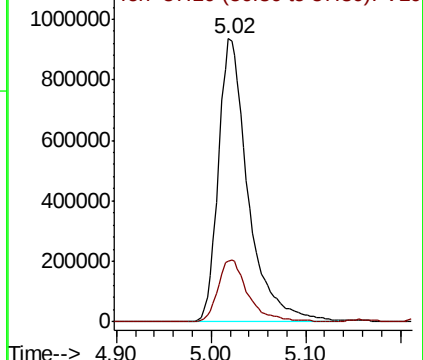
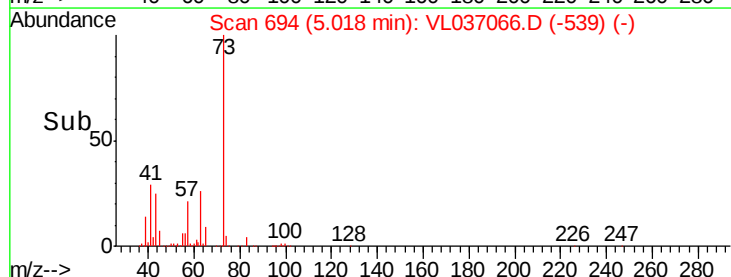
Ion Ratio Lower Upper

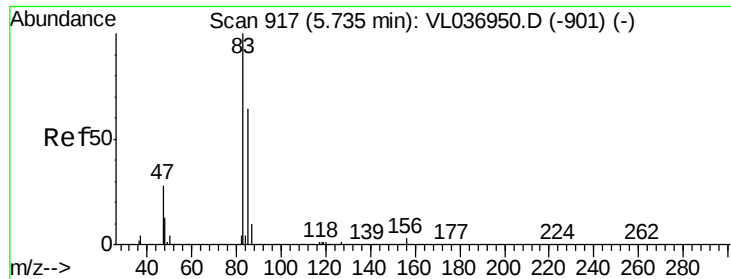
73 100

57 22.2 18.3 27.5



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

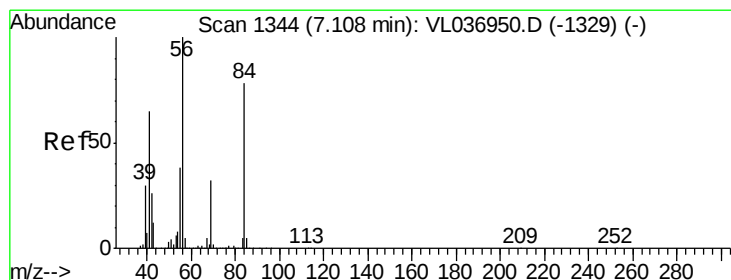
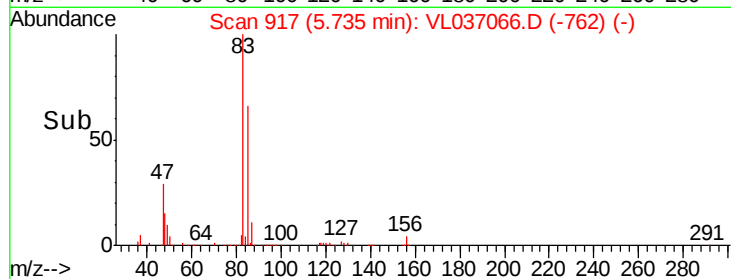
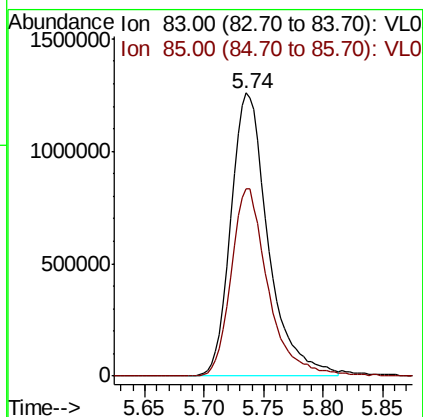
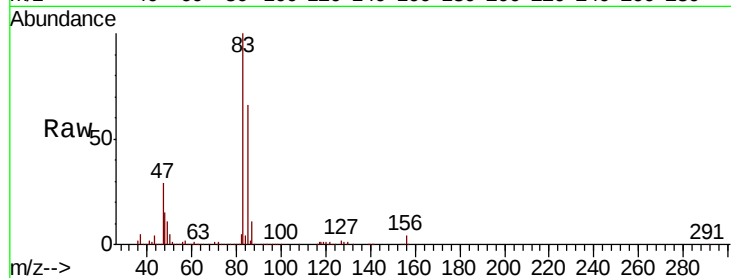




#29
Chloroform
Concen: 11.263 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

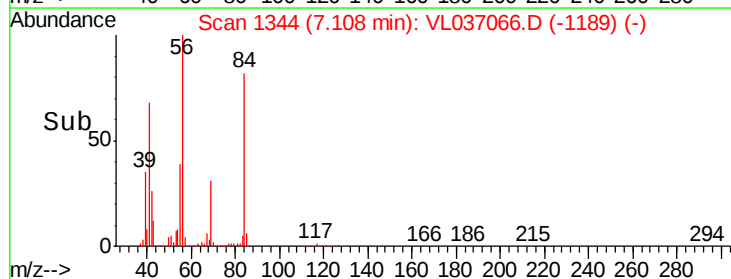
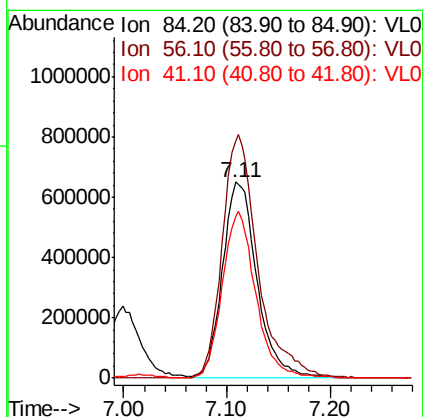
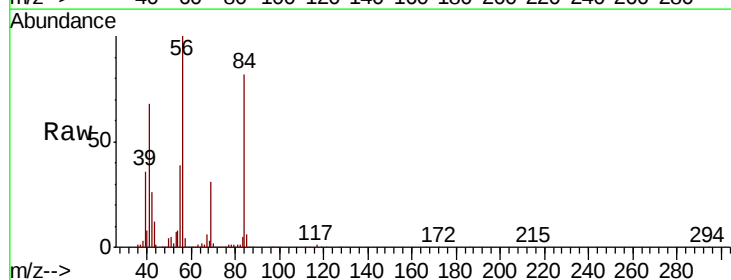
Instrument :
MSVOA_L
ClientSampled :

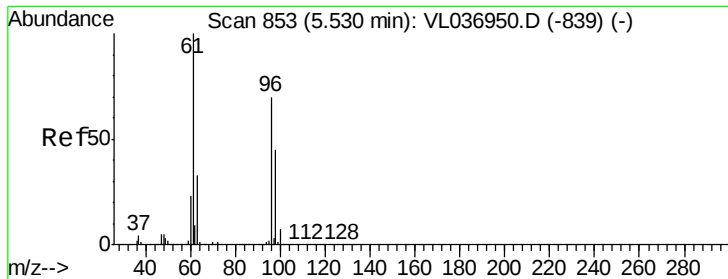
Tot Ion: 83 Resp: 2737306
Ion Ratio Lower Upper
83 100
85 66.0 51.1 76.7



#30
Cyclohexane
Concen: 10.285 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion: 84 Resp: 1503584
Ion Ratio Lower Upper
84 100
56 130.1 107.9 161.9
41 83.3 65.5 98.3



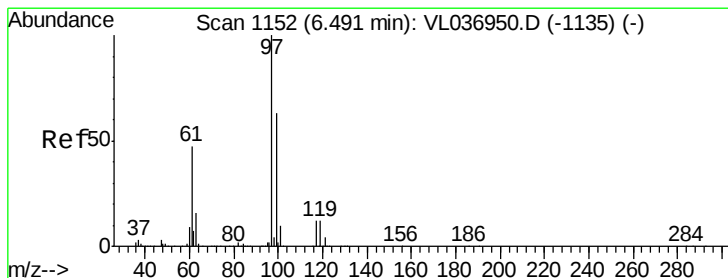
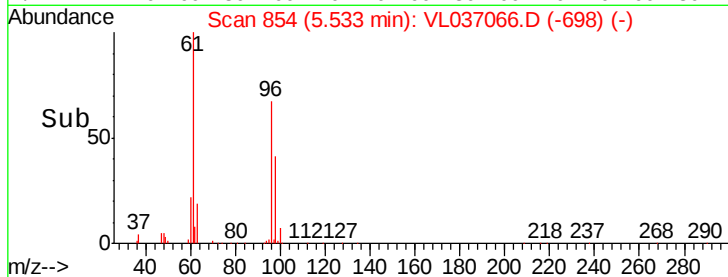
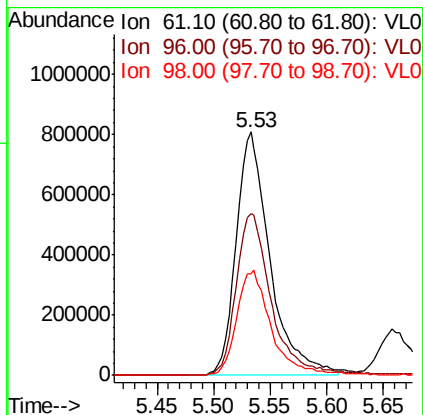
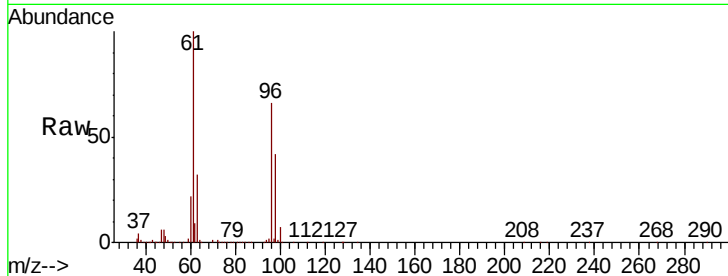


#31

cis-1,2-Dichloroethene
 Concen: 10.897 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Instrument :
 MSVOA_L
 ClientSampleId :

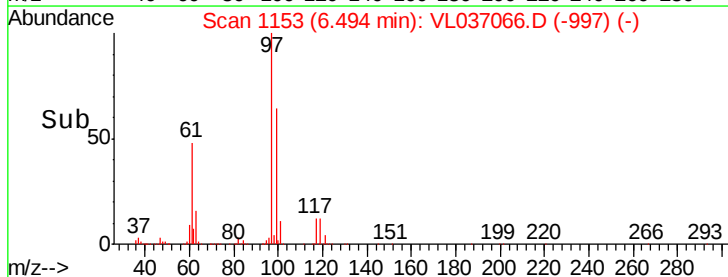
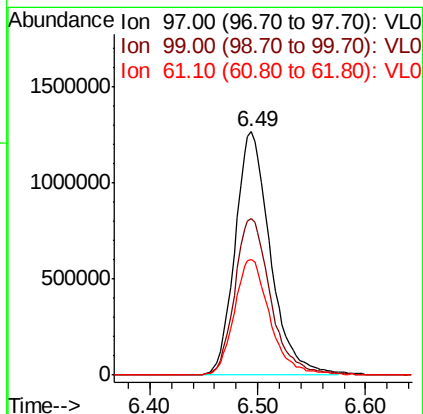
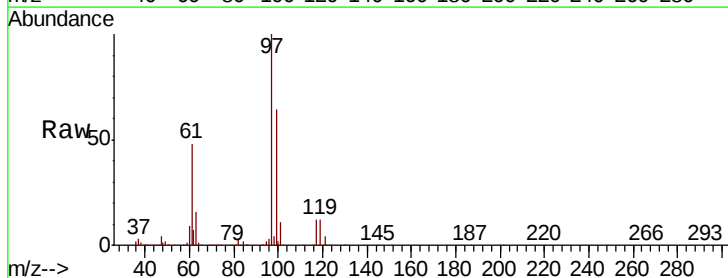
Tot Ion: 61 Resp: 1680734
 Ion Ratio Lower Upper
 61 100
 96 66.0 55.9 83.9
 98 41.7 35.6 53.4

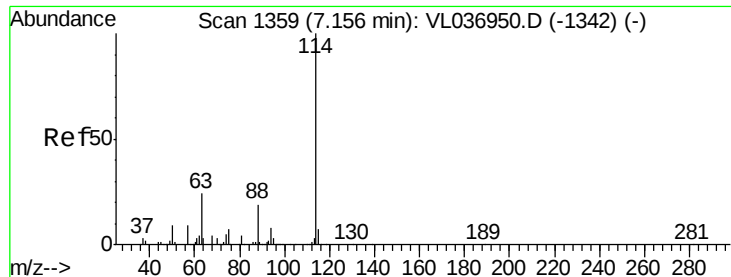


#32

1,1,1-Trichloroethane
 Concen: 11.022 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion: 97 Resp: 2876550
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.9 77.9
 61 48.1 37.6 56.4

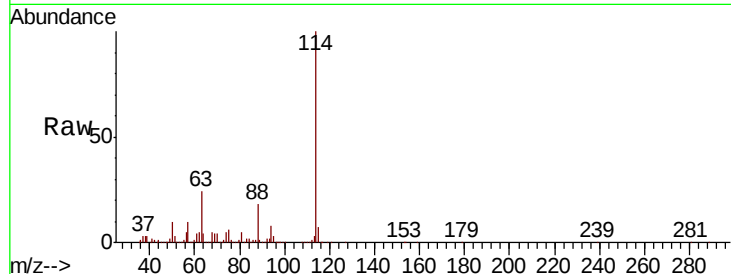




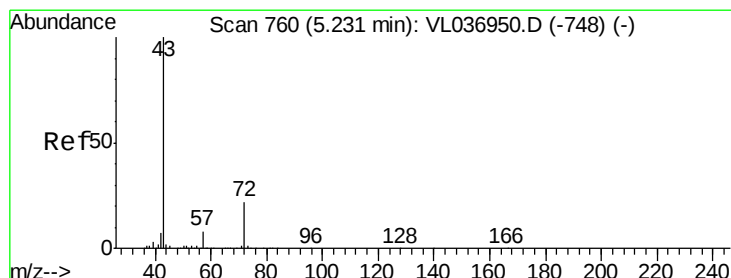
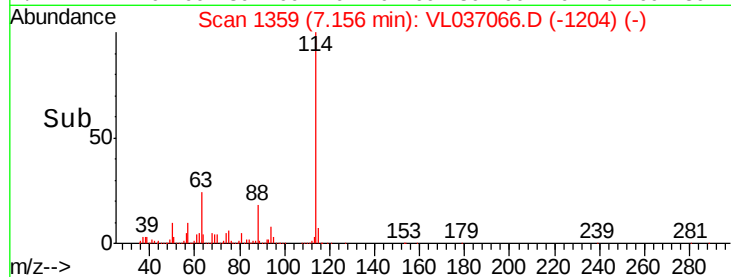
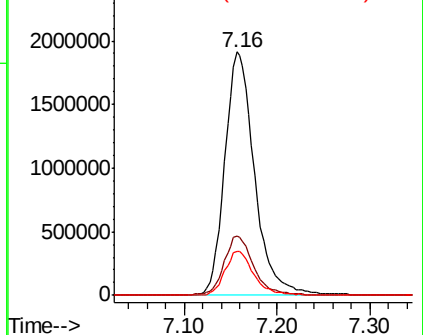
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4252626
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.6 29.4
 88 17.6 14.6 21.8

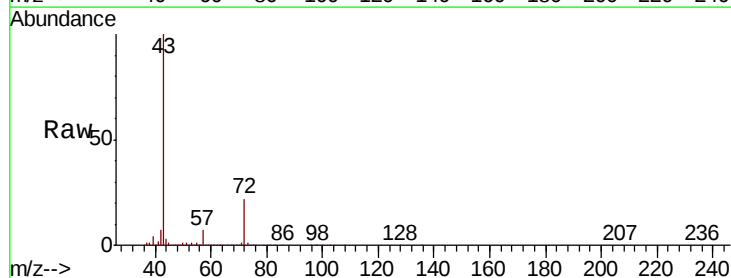


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

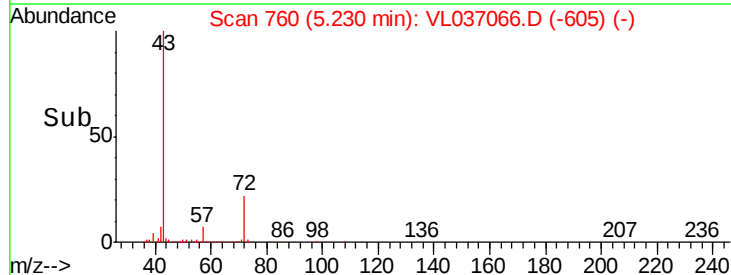
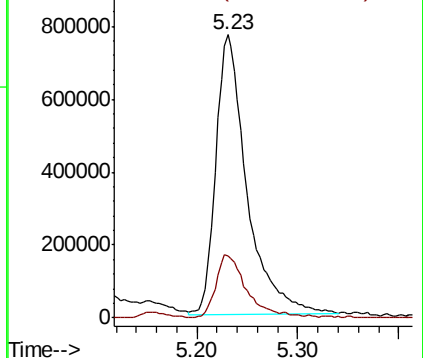


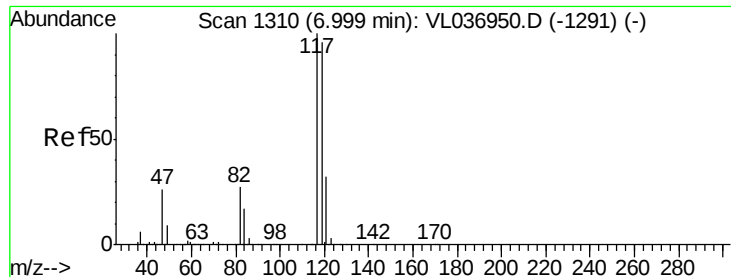
#34
 2-Butanone
 Concen: 10.593 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion: 43 Resp: 1640382
 Ion Ratio Lower Upper
 43 100
 72 23.0 19.0 28.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

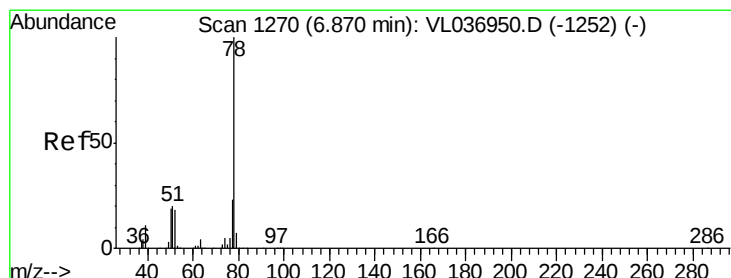
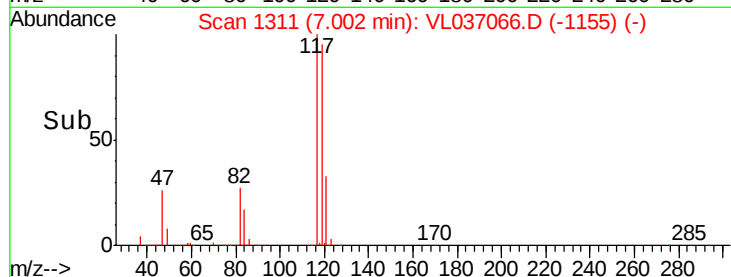
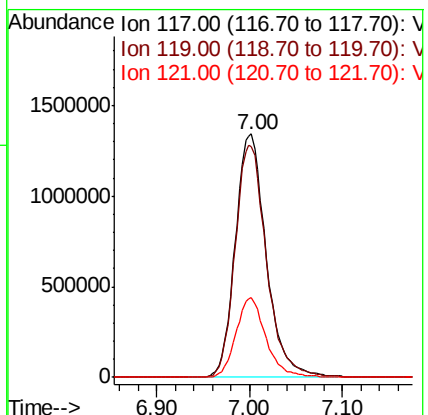
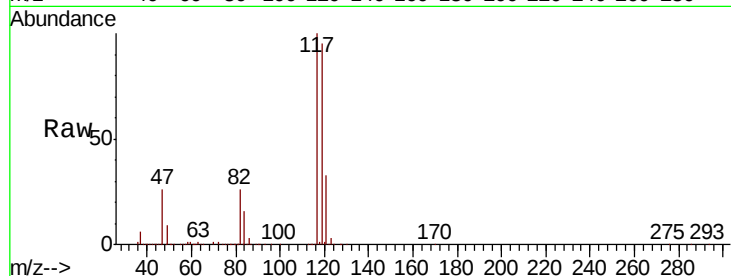




#35
Carbon Tetrachloride
Concen: 10.995 ppbv
RT: 7.00 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

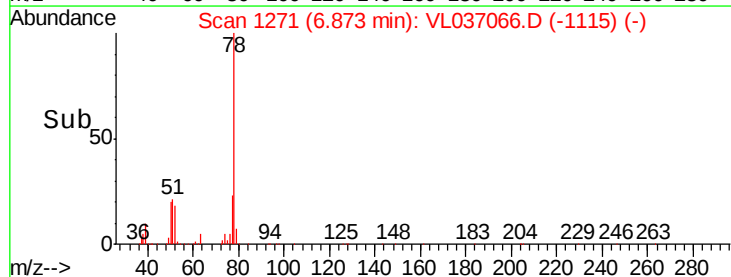
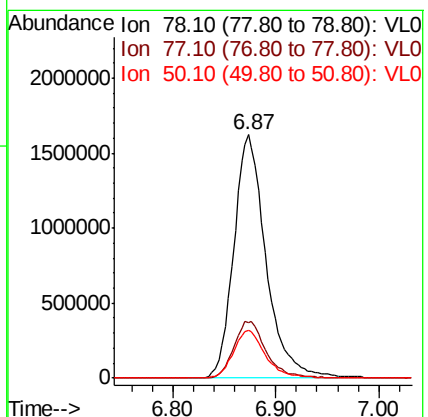
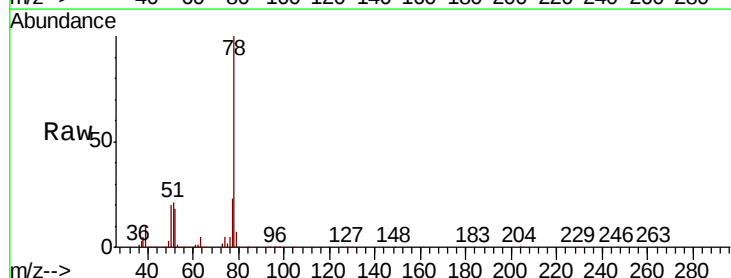
Instrument :
MSVOA_L
ClientSampleId :

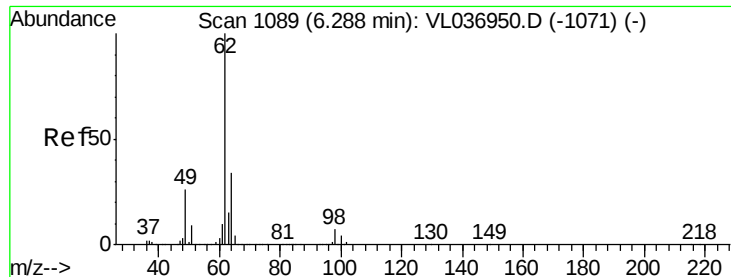
Tot Ion:117 Resp: 3106777
Ion Ratio Lower Upper
117 100
119 94.8 76.6 114.8
121 32.8 25.8 38.6



#36
Benzene
Concen: 9.592 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion: 78 Resp: 3513750
Ion Ratio Lower Upper
78 100
77 22.9 18.6 28.0
50 19.8 15.0 22.4





#37

1,2-Dichloroethane

Concen: 11.452 ppbv

RT: 6.29 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

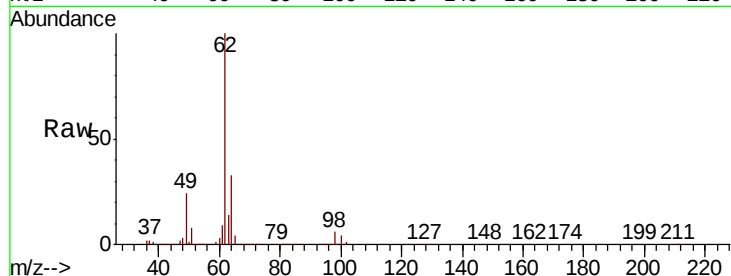
ClientSampleId :

Tot Ion: 62 Resp: 2079838

Ion Ratio Lower Upper

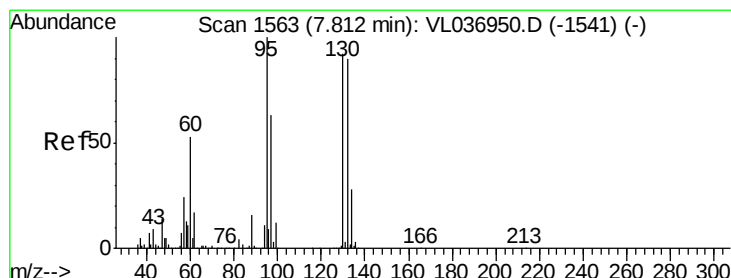
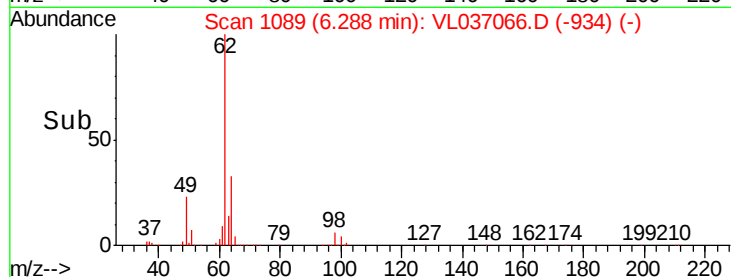
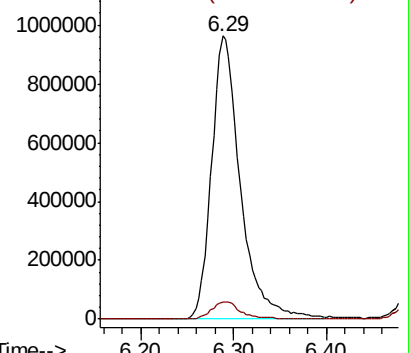
62 100

98 6.4 5.5 8.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 9.543 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Tgt Ion:130 Resp: 1495370

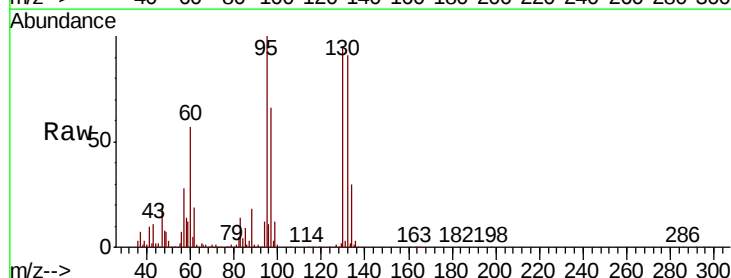
Ion Ratio Lower Upper

130 100

95 105.1 86.9 130.3

132 95.6 78.4 117.6

97 69.4 55.0 82.6

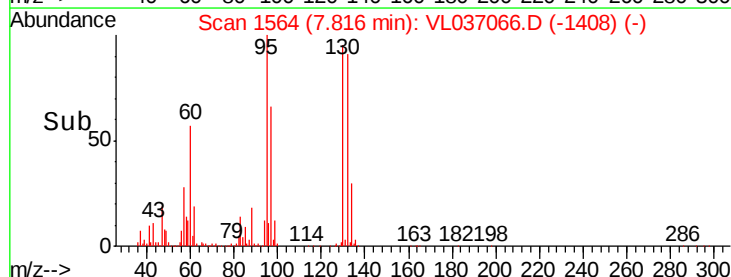
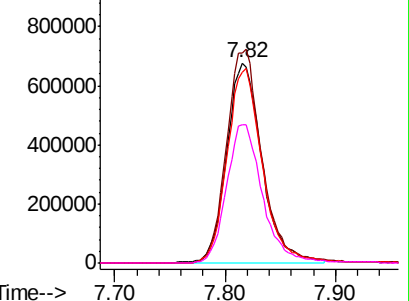


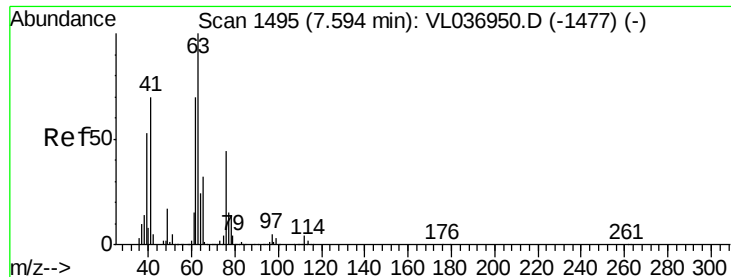
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

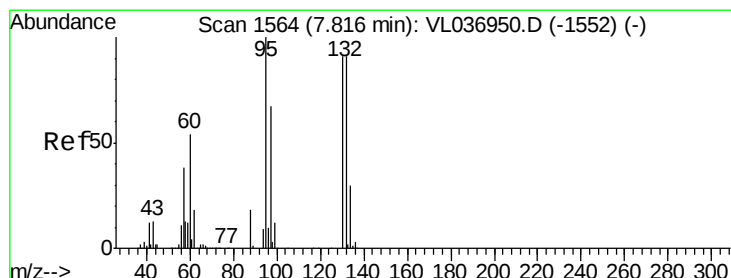
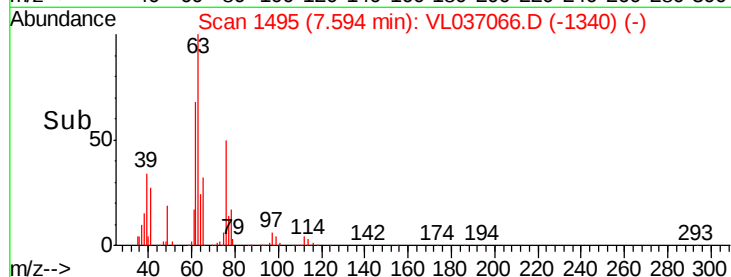
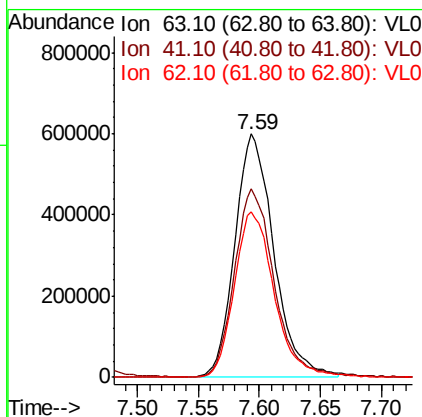
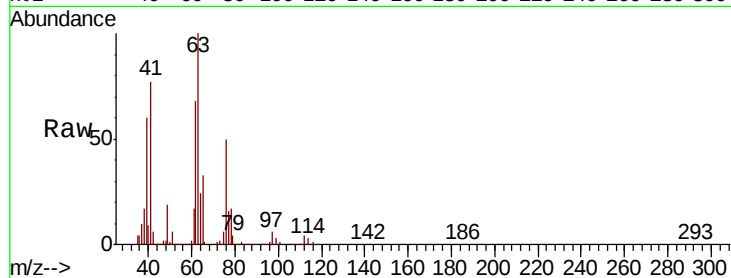




#39
 1,2-Dichloropropane
 Concen: 9.401 ppbv
 RT: 7.59 min Scan# 1495
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

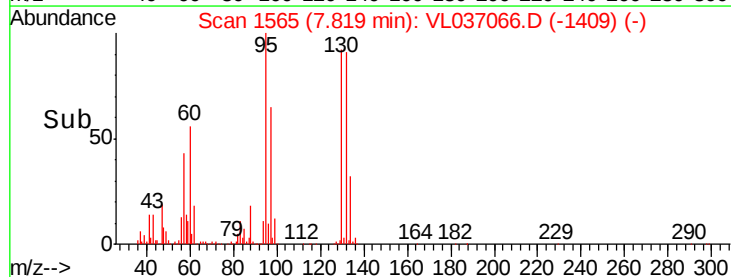
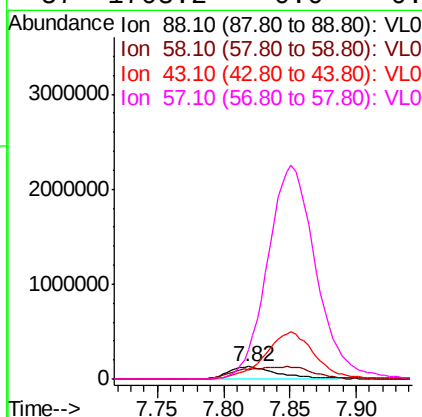
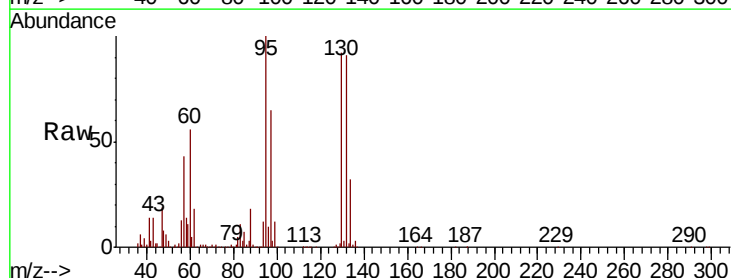
Instrument :
 MSVOA_L
 ClientSampleId :

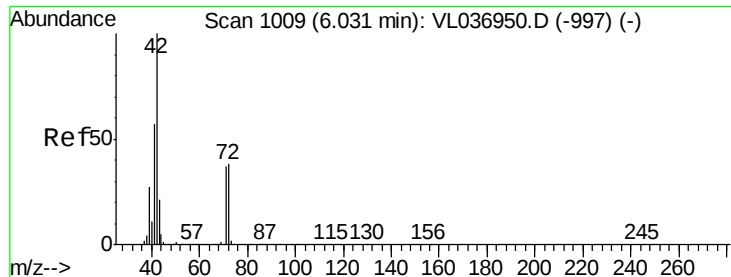
Tot Ion: 63 Resp: 1326520
 Ion Ratio Lower Upper
 63 100
 41 77.2 55.7 83.5
 62 67.8 56.2 84.4



#40
 1,4-Dioxane
 Concen: 10.121 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion: 88 Resp: 337225
 Ion Ratio Lower Upper
 88 100
 58 150.8 0.0 0.0#
 43 389.9 0.0 0.0#
 57 1708.2 0.0 0.0#

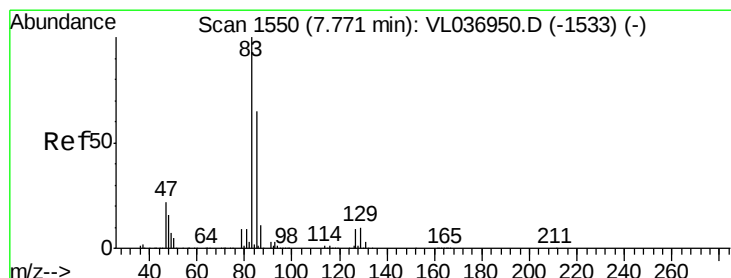
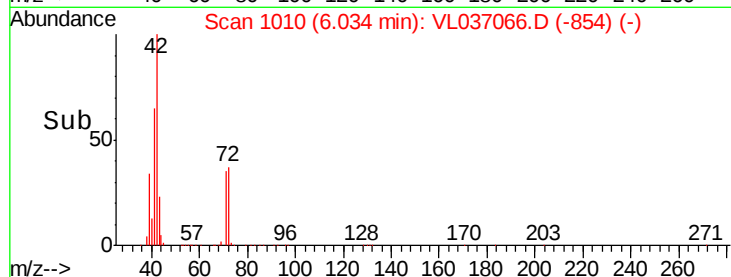
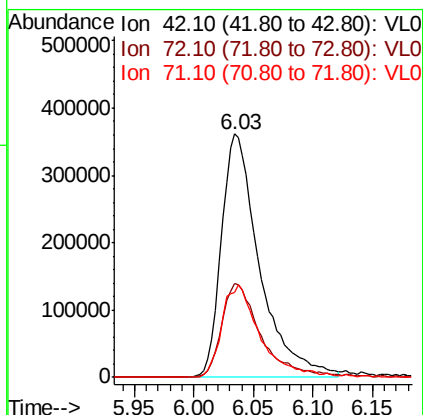
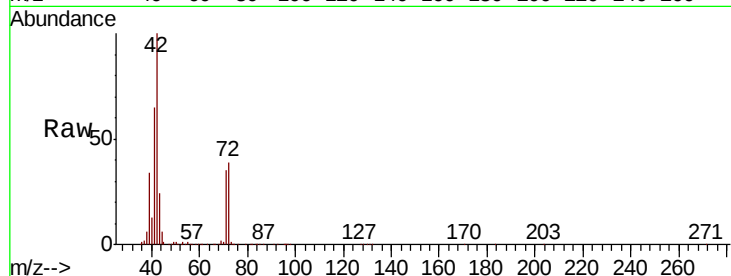




#41
Tetrahydrofuran
Concen: 9.036 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

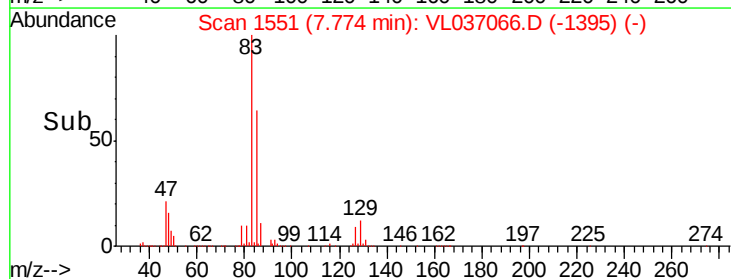
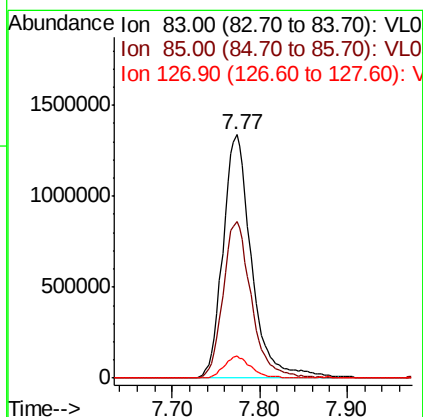
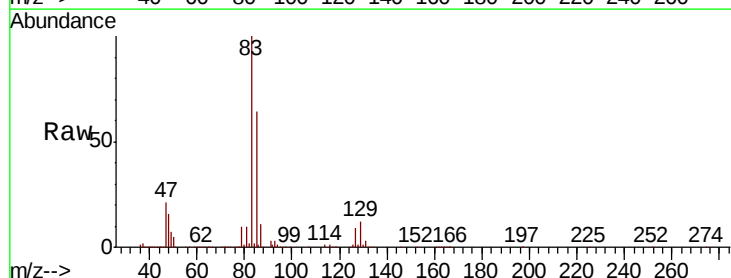
Instrument :
MSVOA_L
ClientSampled :

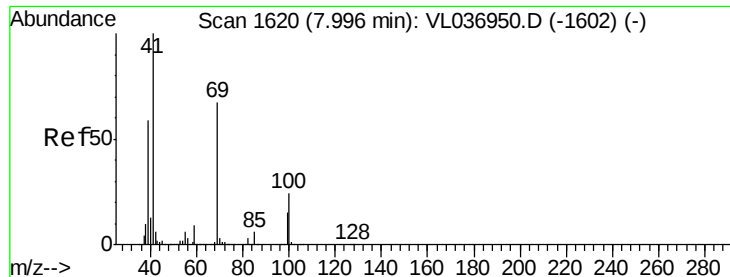
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	31.4	47.2
71	39.3	30.4	45.6



#42
Bromodichloromethane
Concen: 11.041 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.7	77.5
127	9.1	6.9	10.3

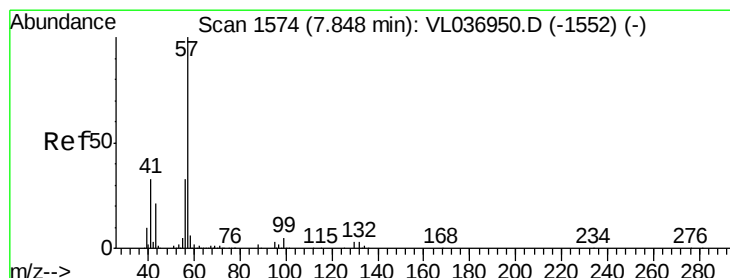
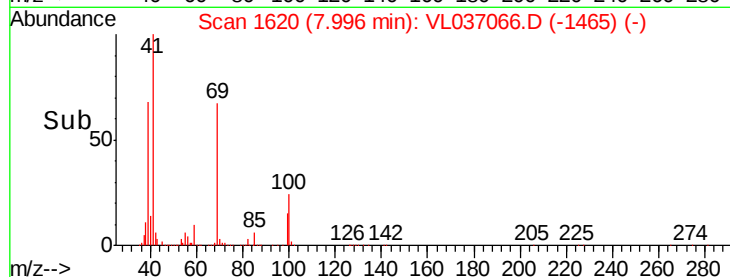
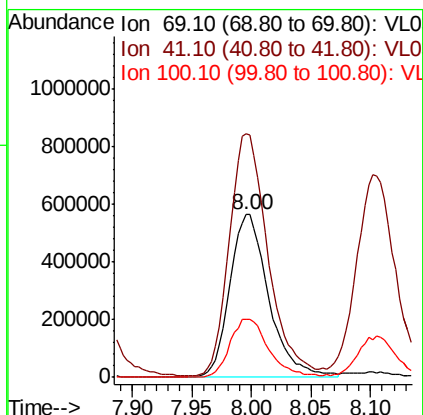
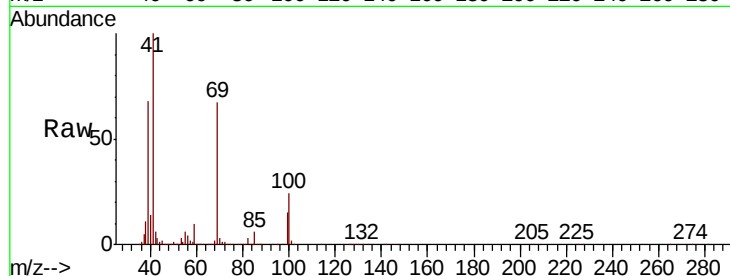




#43
Methyl Methacrylate
Concen: 10.131 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

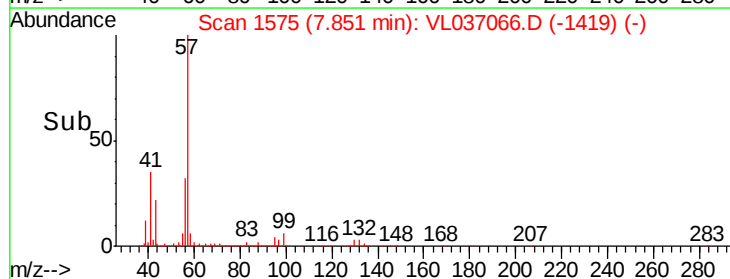
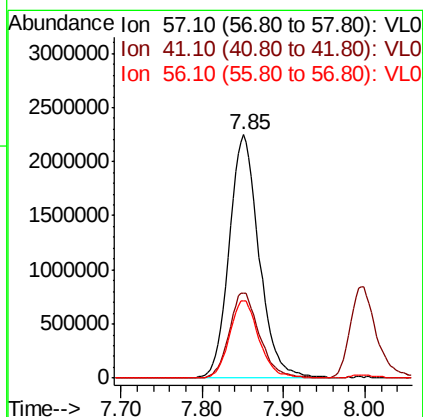
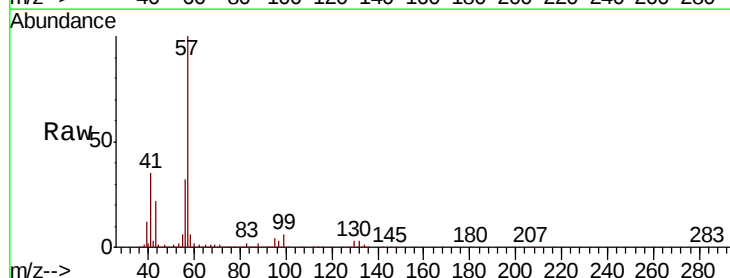
Instrument :
MSVOA_L
ClientSampleId :

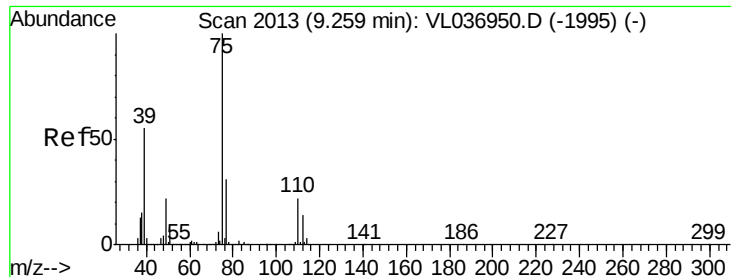
Tot Ion: 69 Resp: 1279011
Ion Ratio Lower Upper
69 100
41 149.1 118.6 178.0
100 35.8 28.2 42.4



#44
2,2,4-Trimethylpentane
Concen: 9.160 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion: 57 Resp: 5756669
Ion Ratio Lower Upper
57 100
41 35.5 27.0 40.4
56 31.7 25.4 38.2

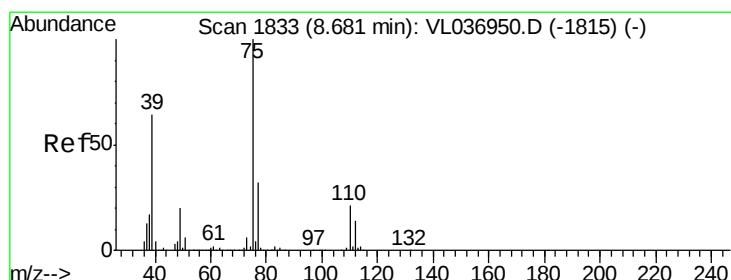
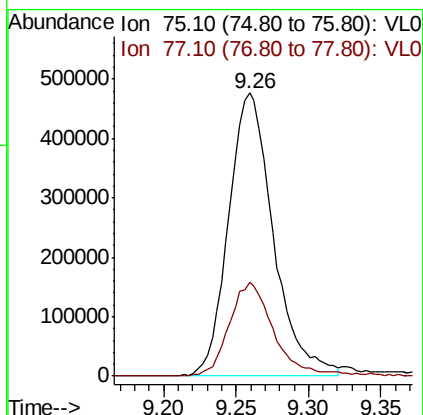
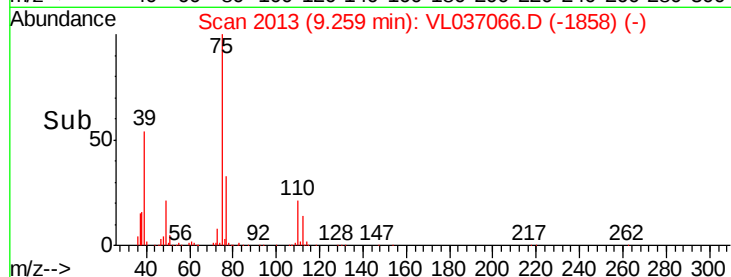
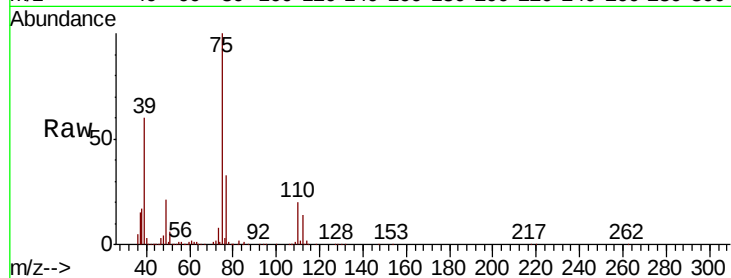




#45
 t-1,3-Dichloropropene
 Concen: 10.489 ppbv
 RT: 9.26 min Scan# 2013
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

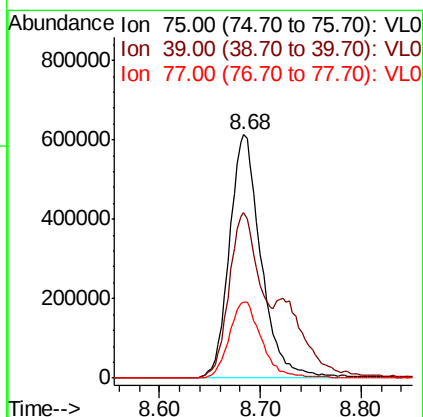
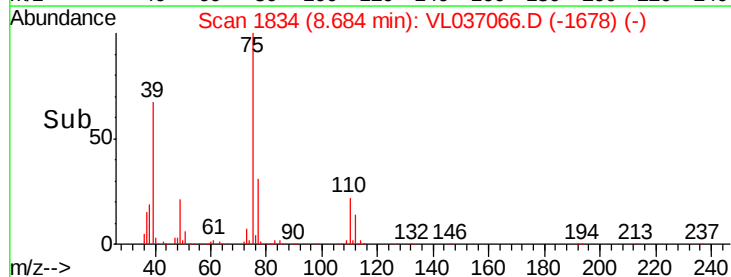
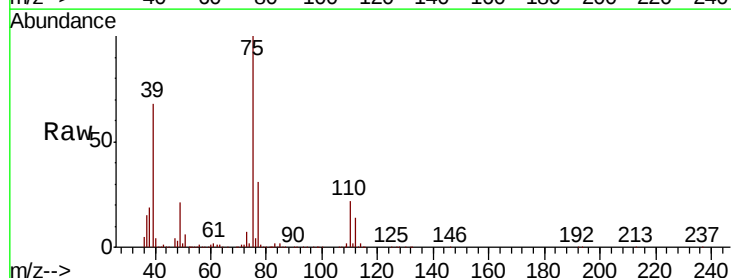
Instrument :
 MSVOA_L
 ClientSampleId :

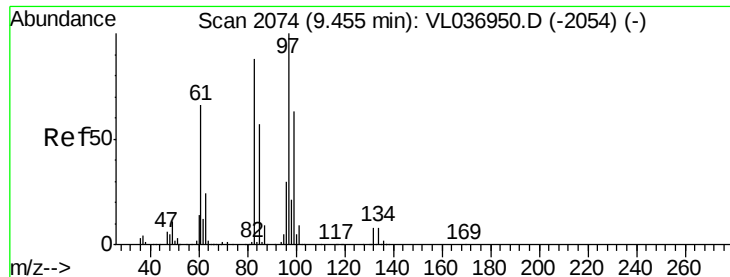
Tot Ion: 75 Resp: 1011736
 Ion Ratio Lower Upper
 75 100
 77 33.3 24.4 36.6



#46
 cis-1,3-Dichloropropene
 Concen: 10.292 ppbv
 RT: 8.68 min Scan# 1834
 Delta R.T. 0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion: 75 Resp: 1335249
 Ion Ratio Lower Upper
 75 100
 39 68.0 51.5 77.3
 77 31.4 25.9 38.9



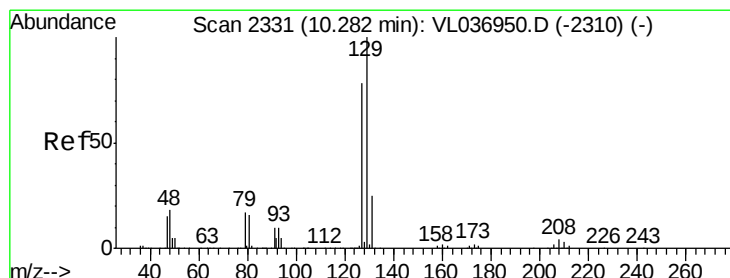
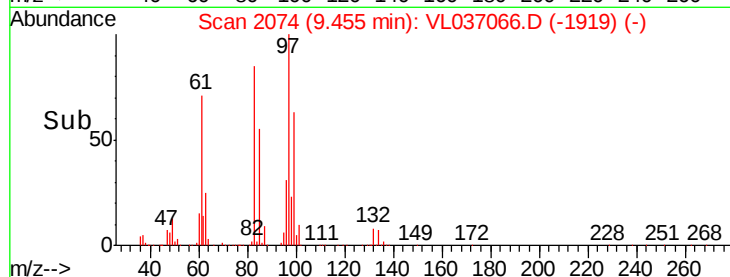
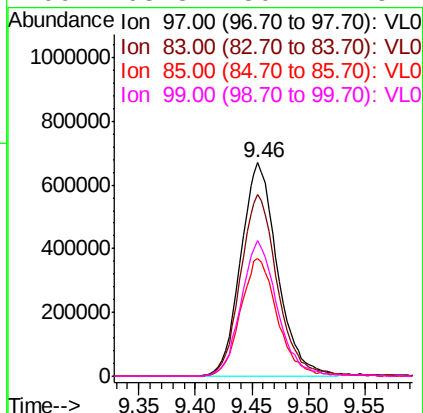
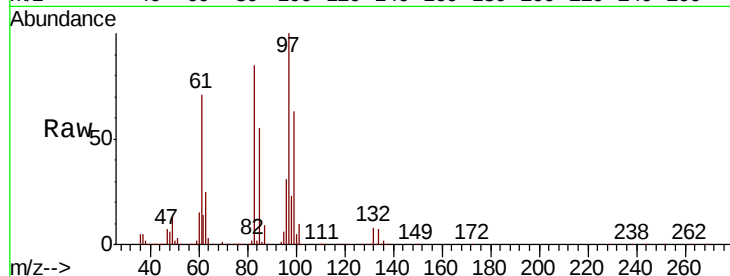


#47
 1,1,2-Trichloroethane
 Concen: 10.245 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1513083

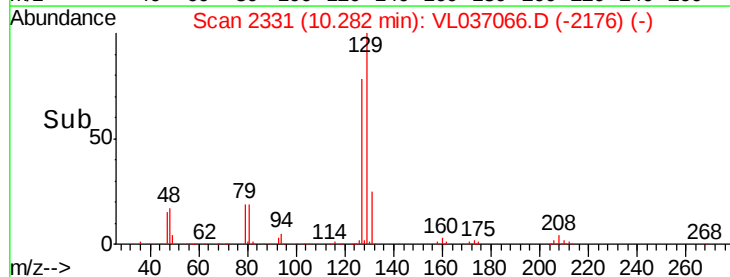
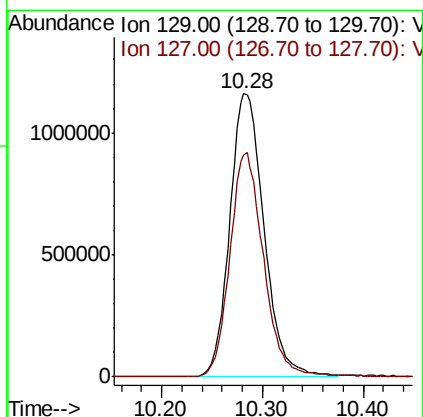
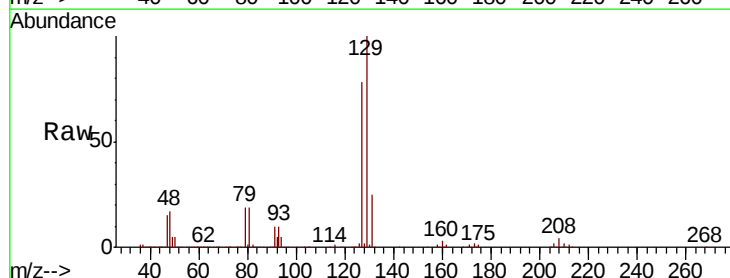
Ion	Ratio	Lower	Upper
97	100		
83	84.9	70.4	105.6
85	55.0	45.5	68.3
99	63.3	50.2	75.2

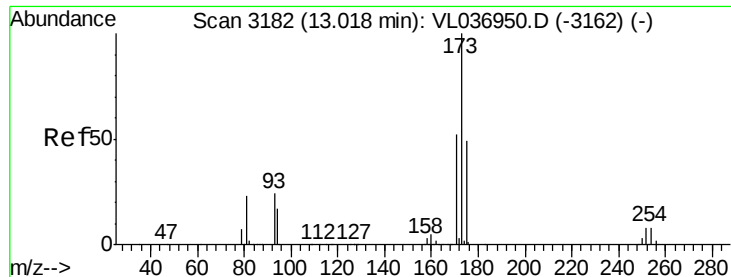


#48
 Dibromochloromethane
 Concen: 11.467 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion: 129 Resp: 2742160

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.3	117.8





#49

Bromoform

Concen: 11.545 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

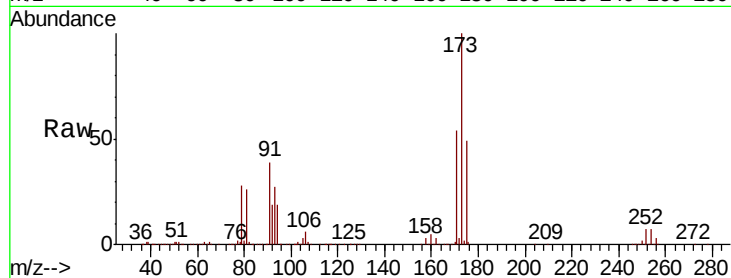
Tot Ion:173 Resp: 2279939

Ion Ratio Lower Upper

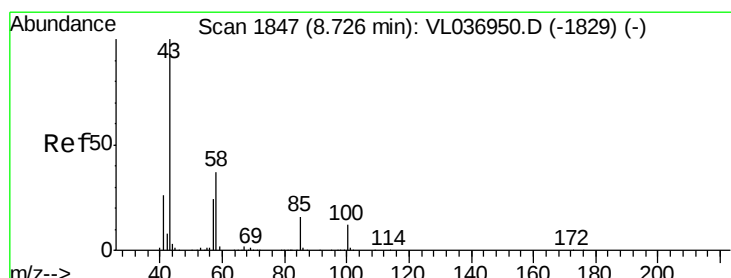
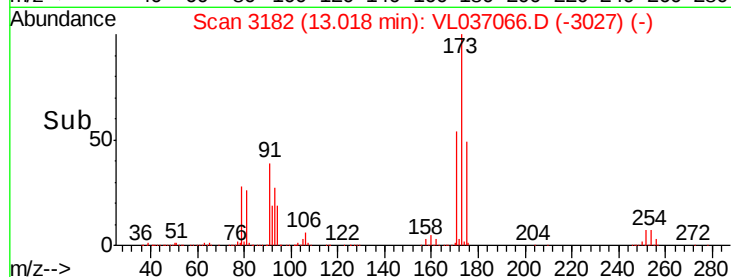
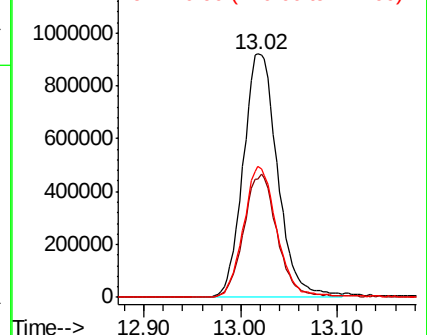
173 100

175 49.6 40.4 60.6

171 52.5 42.6 64.0



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: 9.783 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VL037066.D

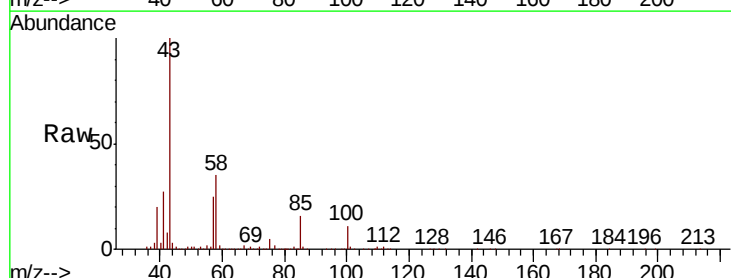
Acq: 1 Jun 2021 11:33

Tgt Ion: 43 Resp: 2499906

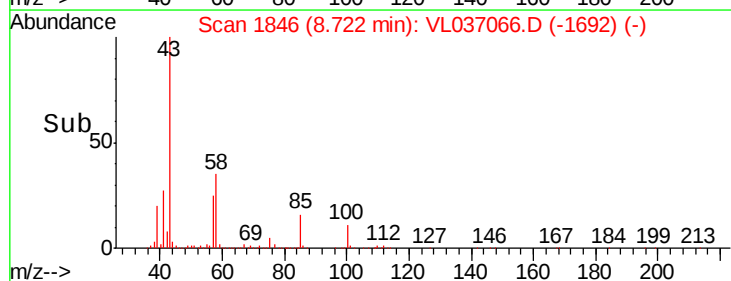
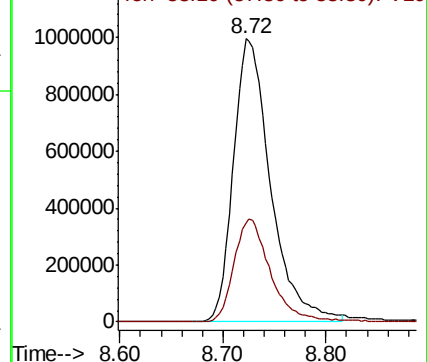
Ion Ratio Lower Upper

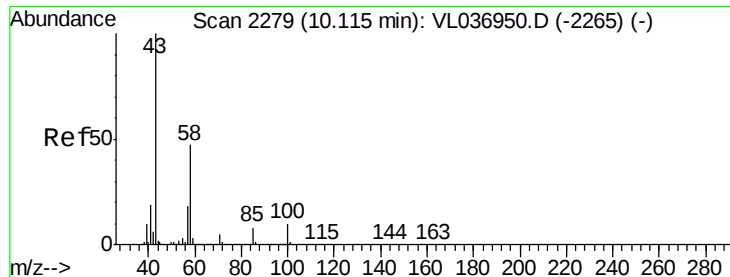
43 100

58 36.4 29.4 44.2



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





#51

2-Hexanone

Concen: 9.804 ppbv

RT: 10.12 min Scan# 2281

Delta R.T. 0.01 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

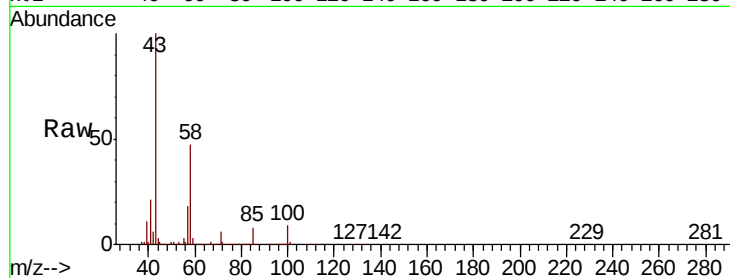
Tot Ion: 43 Resp: 1324339

Ion Ratio Lower Upper

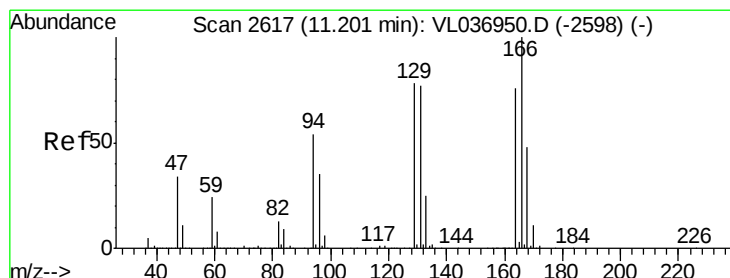
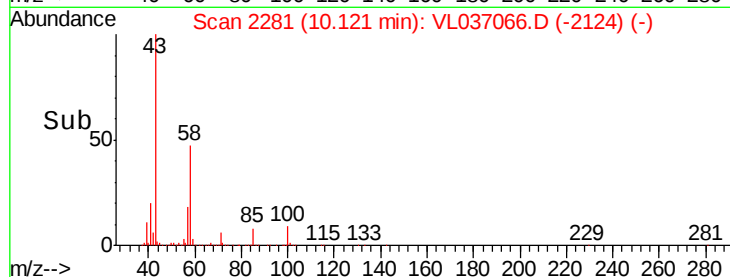
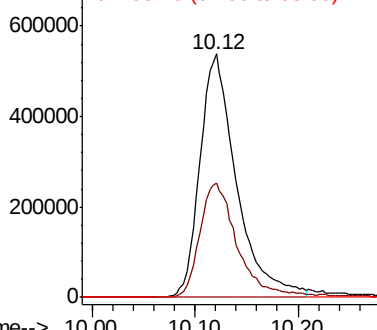
43 100

58 49.0 41.1 61.7

98 0.4 0.1 0.1#



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



#52

Tetrachloroethene

Concen: 9.993 ppbv

RT: 11.20 min Scan# 2617

Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Tgt Ion:164 Resp: 1455571

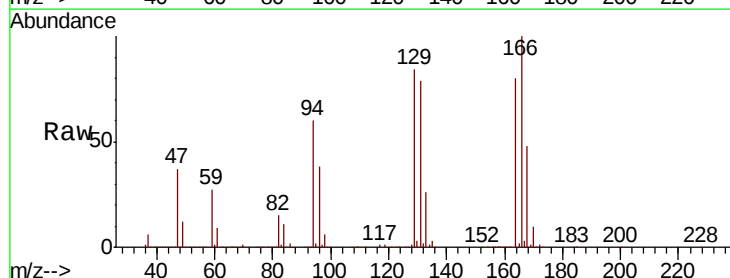
Ion Ratio Lower Upper

164 100

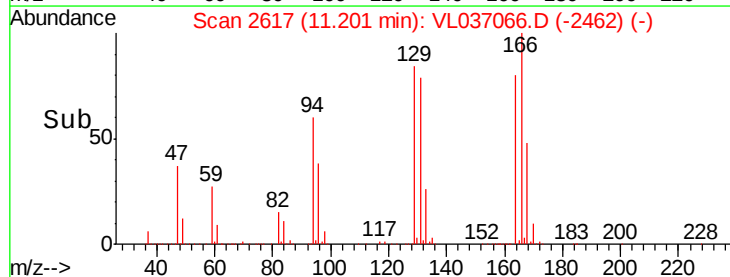
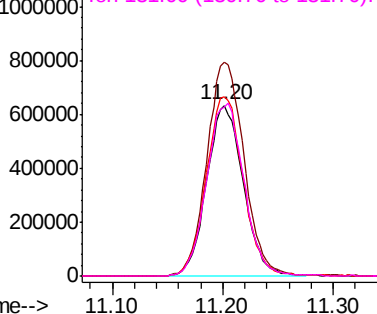
166 125.1 105.5 158.3

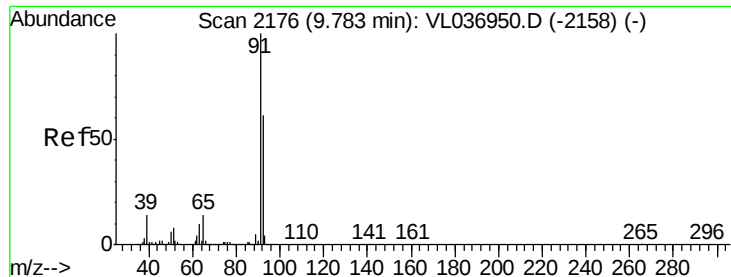
129 104.6 81.8 122.8

131 98.7 81.2 121.8



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





#53

Toluene

Concen: 9.696 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

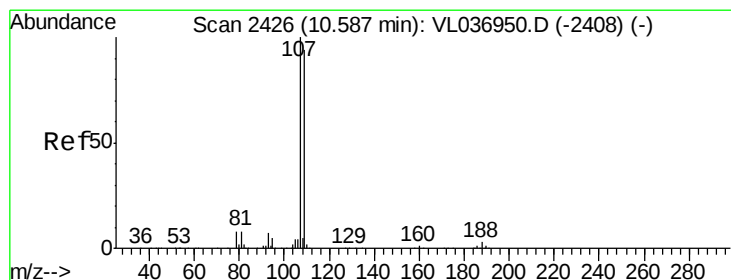
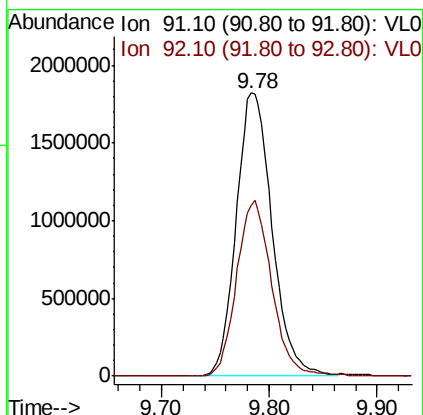
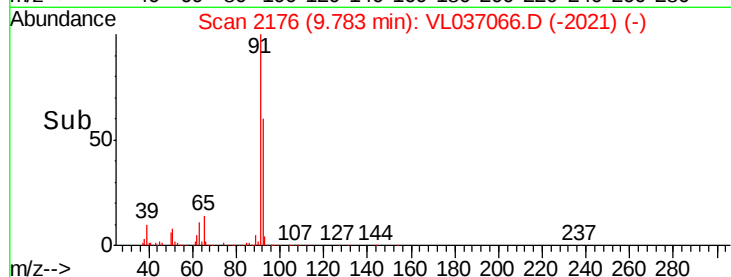
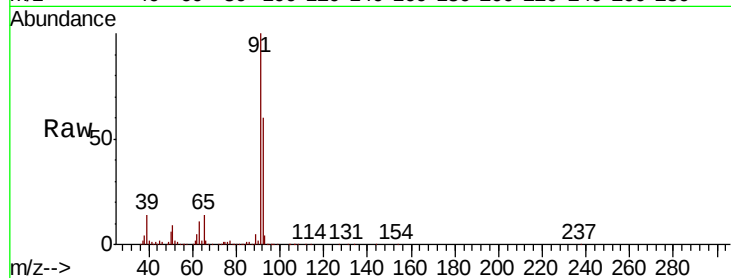
ClientSampleId :

Tot Ion: 91 Resp: 4225842

Ion Ratio Lower Upper

91 100

92 60.9 49.5 74.3



#54

1,2-Dibromoethane

Concen: 10.626 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. 0.00 min

Lab File: VL037066.D

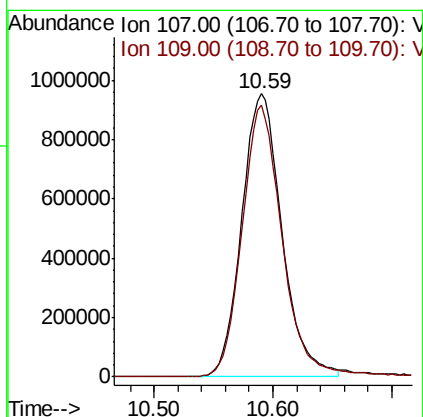
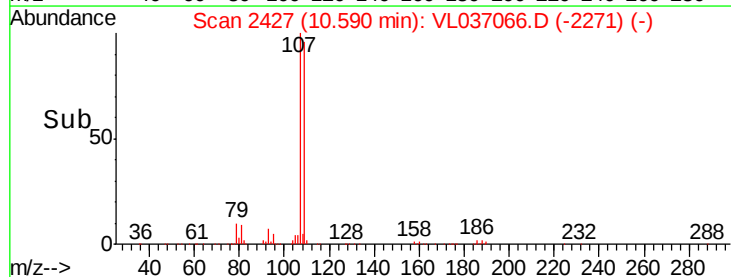
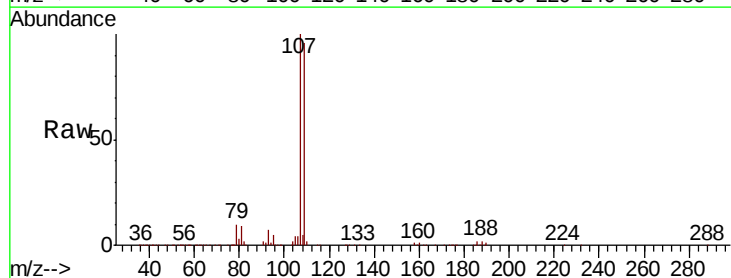
Acq: 1 Jun 2021 11:33

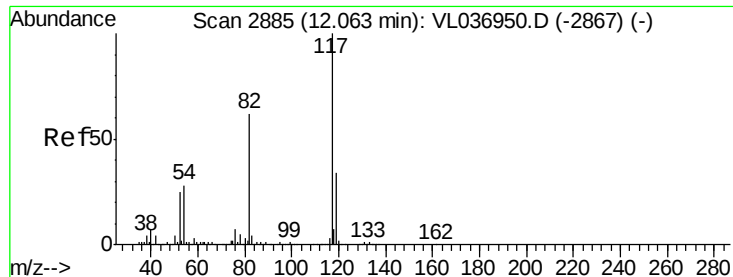
Tgt Ion: 107 Resp: 2231075

Ion Ratio Lower Upper

107 100

109 96.2 75.0 112.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

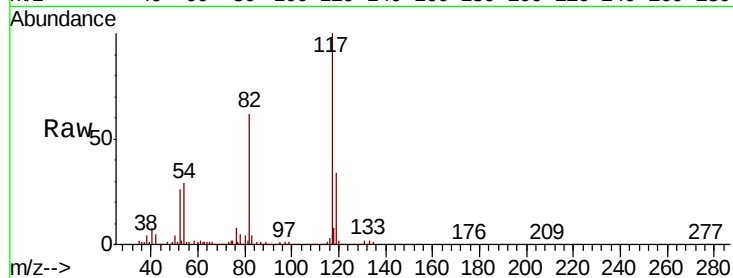
Tot Ion:117 Resp: 5082209

Ion Ratio Lower Upper

117 100

82 50.1 52.6 79.0#

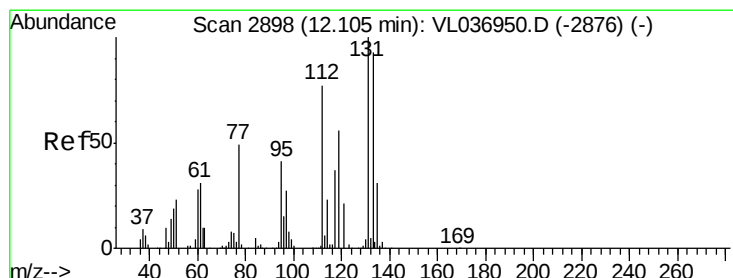
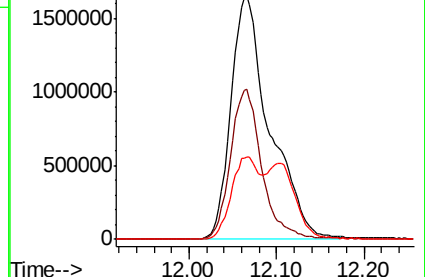
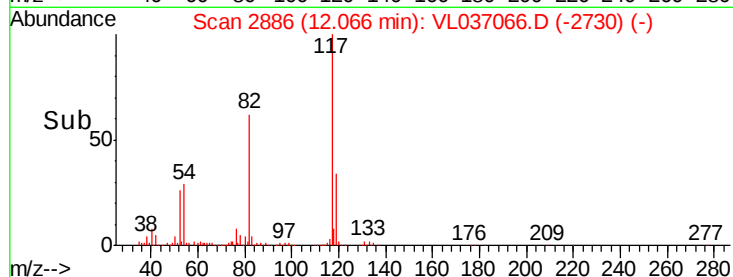
119 23.8 46.6 70.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.618 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

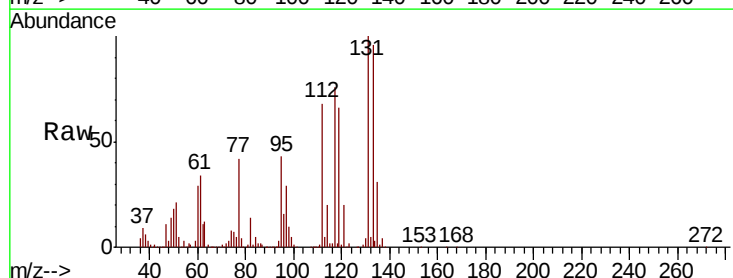
Tgt Ion:131 Resp: 1842813

Ion Ratio Lower Upper

131 100

133 96.8 76.9 115.3

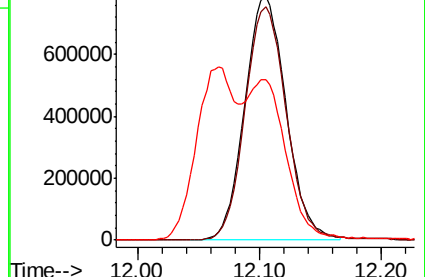
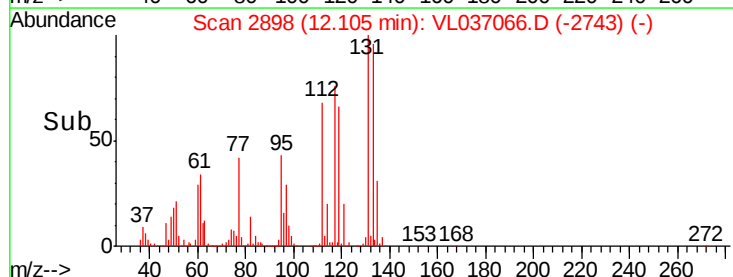
119 57.6 120.2 180.4#

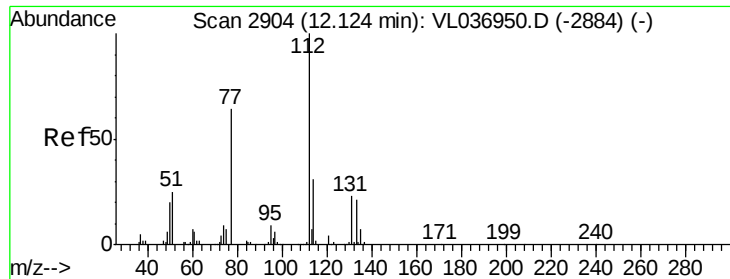


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.170 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

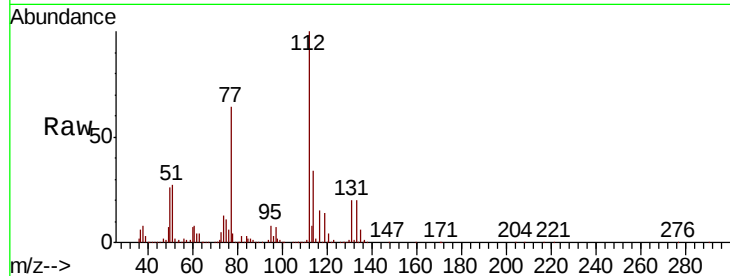
Tot Ion:112 Resp: 3219668

Ion Ratio Lower Upper

112 100

77 63.8 51.0 76.6

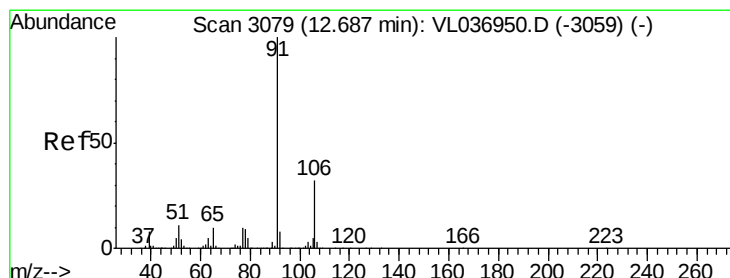
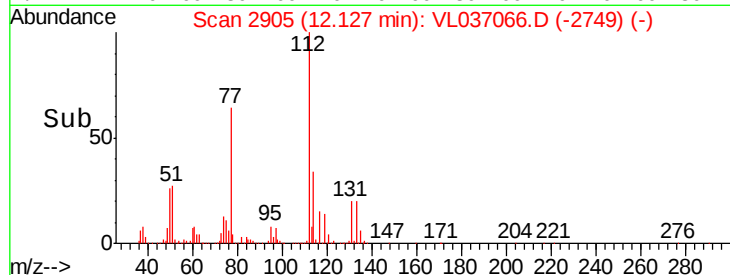
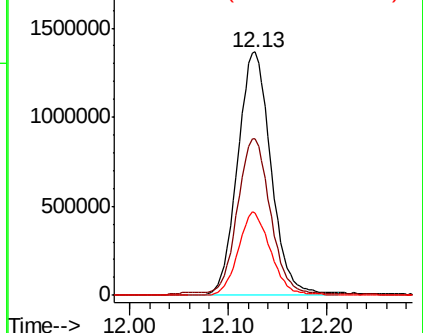
114 33.7 28.3 34.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.843 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. 0.00 min

Lab File: VL037066.D

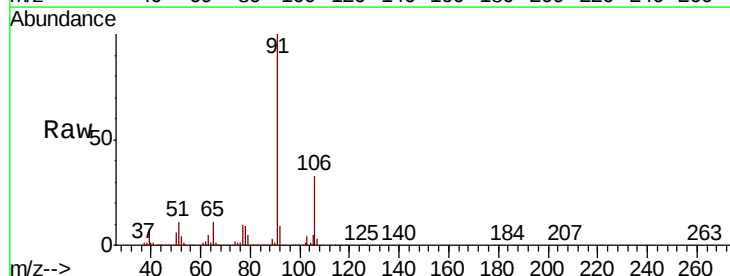
Acq: 1 Jun 2021 11:33

Tgt Ion: 91 Resp: 5625916

Ion Ratio Lower Upper

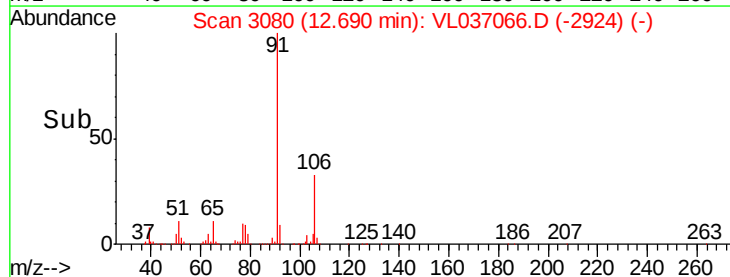
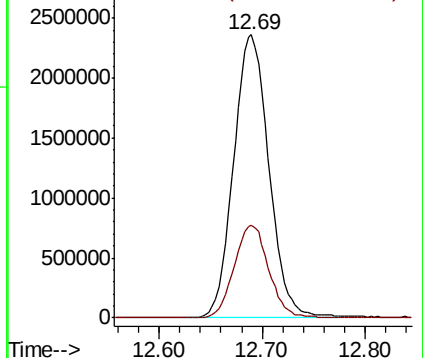
91 100

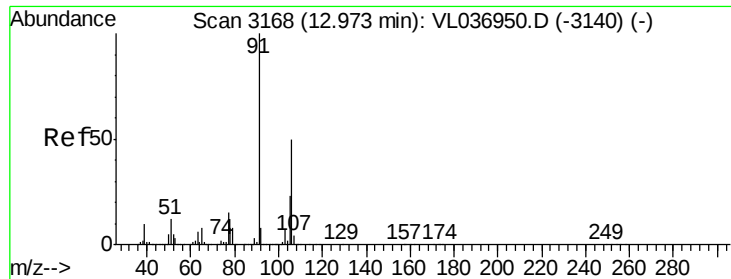
106 32.6 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

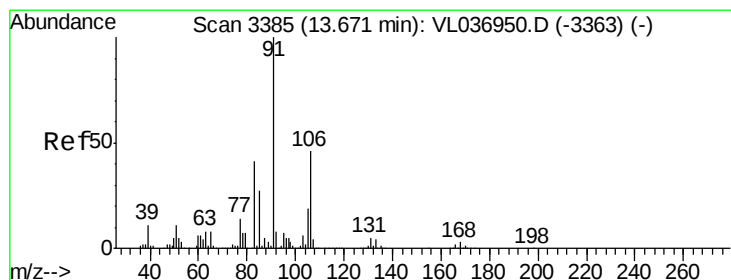
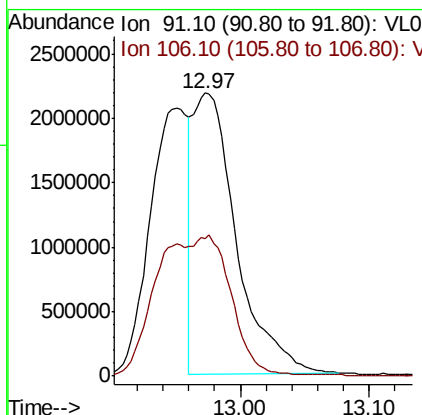
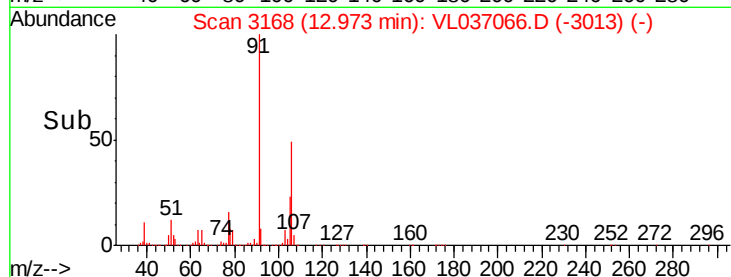
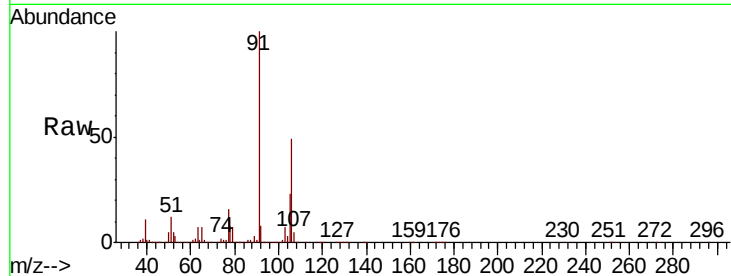




#59
m/p-Xylene
Concen: 8.575 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

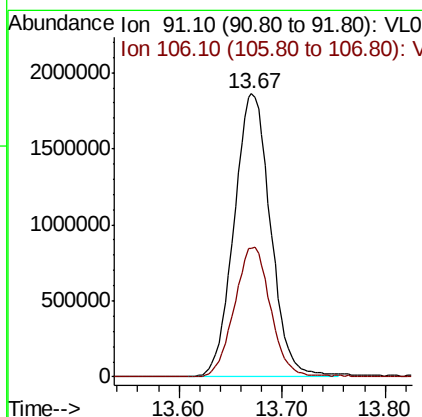
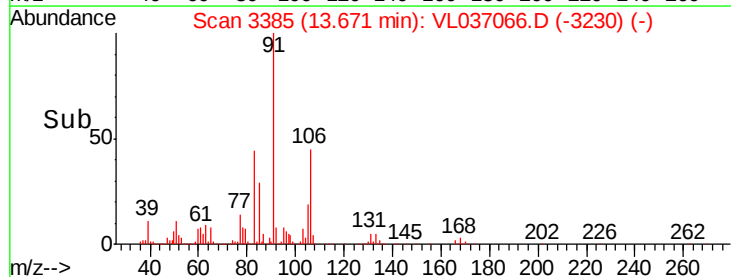
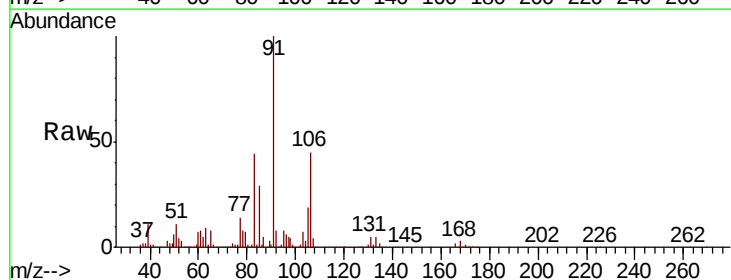
Instrument :
MSVOA_L
ClientSampled :

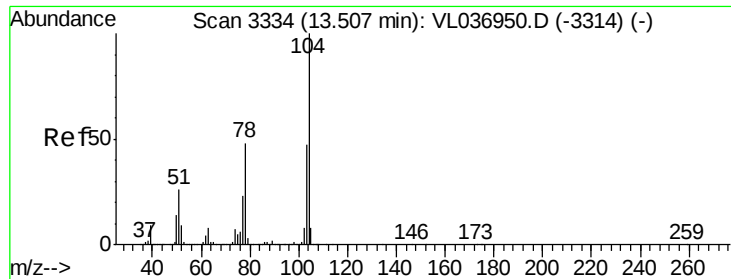
Tot Ion: 91 Resp: 5084422
Ion Ratio Lower Upper
91 100
106 86.5 37.4 56.2#



#60
o-Xylene
Concen: 8.078 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion: 91 Resp: 4567915
Ion Ratio Lower Upper
91 100
106 45.8 23.4 70.3

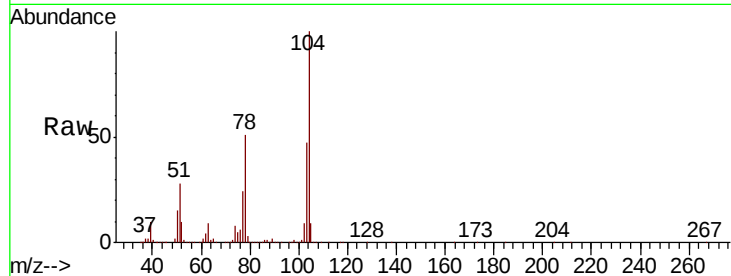




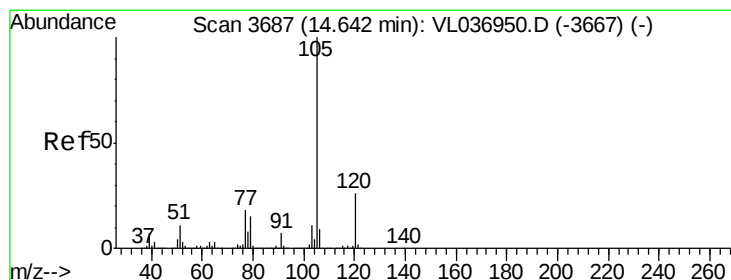
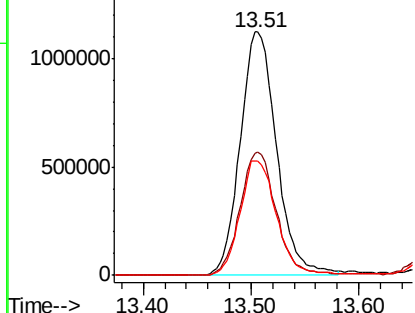
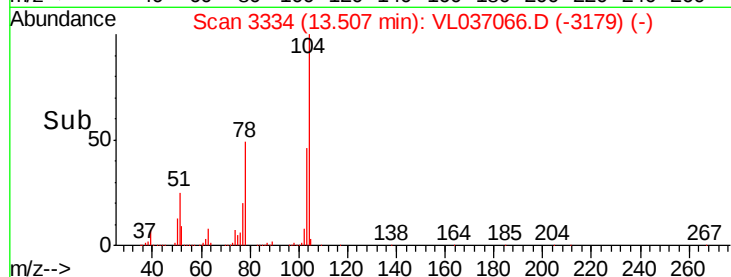
#61
Stvrene
Concen: 8.288 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:104 Resp: 2640503
Ion Ratio Lower Upper
104 100
78 50.6 39.0 58.6
103 48.0 38.0 57.0

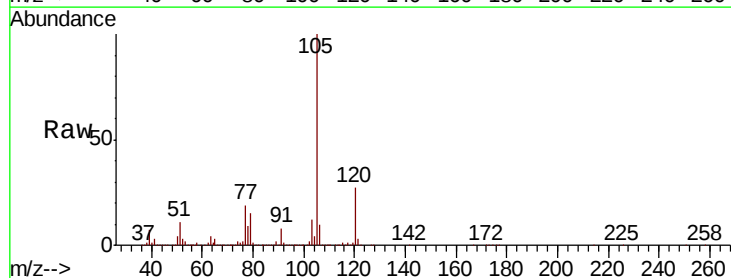


Abundance Ion 104.10 (103.80 to 104.80): V
1500000 Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

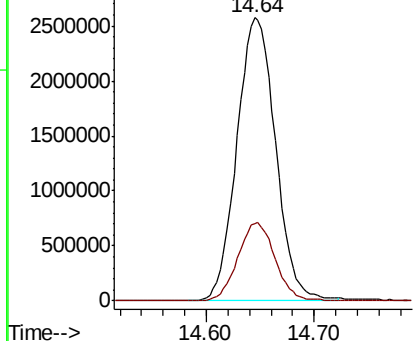
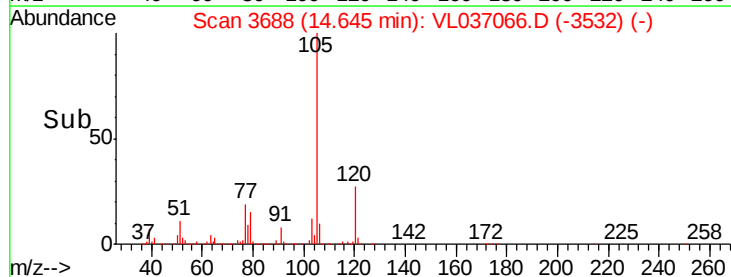


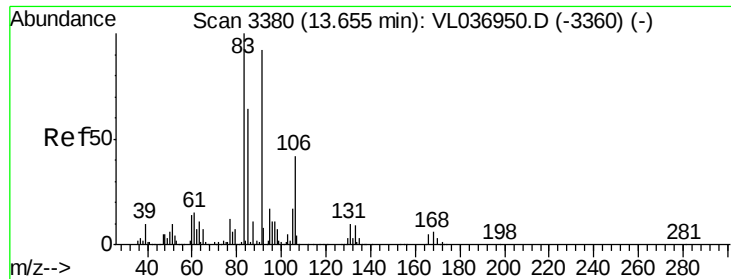
#62
Isopropylbenzene
Concen: 7.901 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion:105 Resp: 6421209
Ion Ratio Lower Upper
105 100
120 26.9 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V
3000000 Ion 120.20 (119.90 to 120.90): V

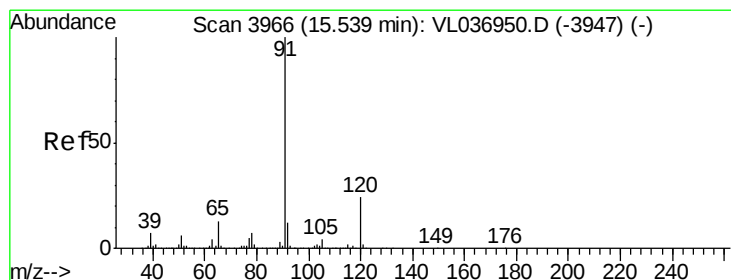
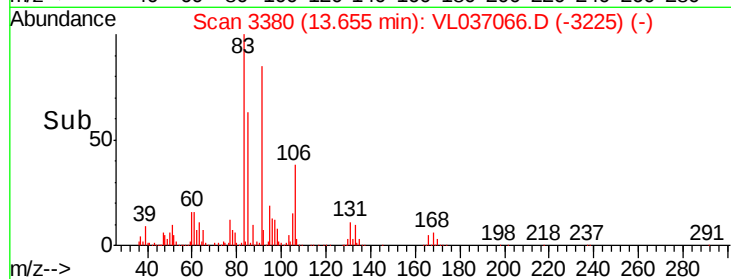
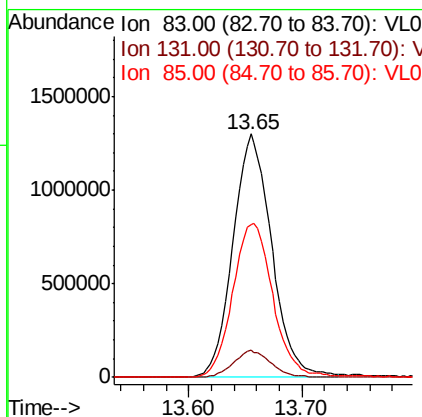
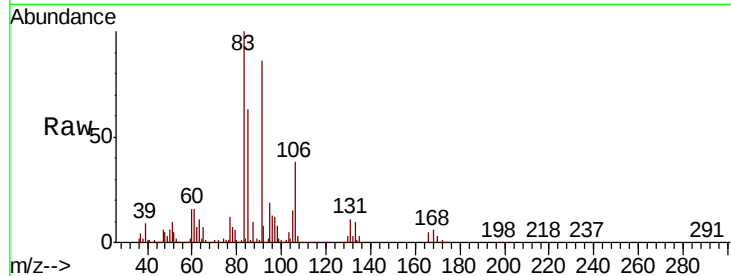




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.307 ppbv
 RT: 13.65 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

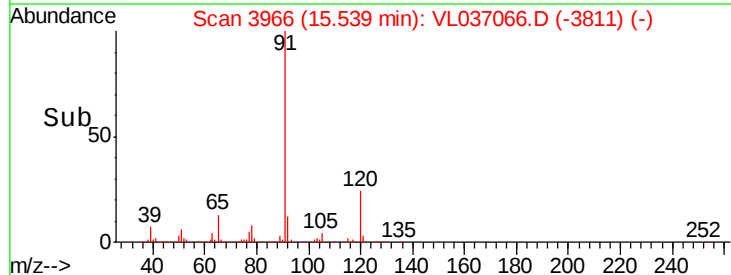
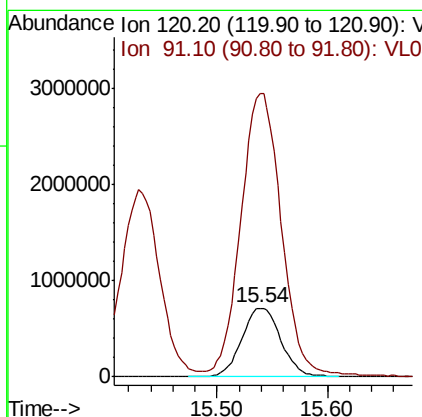
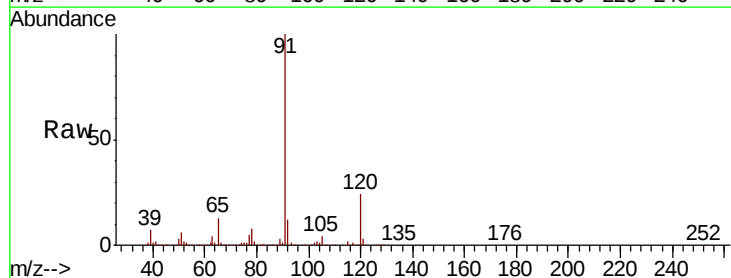
Instrument :
 MSVOA_L
 ClientSampleId :

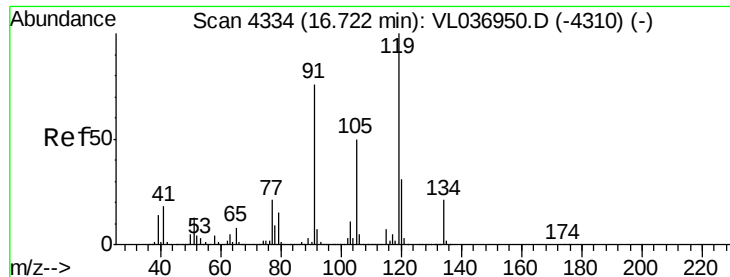
Tot Ion: 83 Resp: 3085830
 Ion Ratio Lower Upper
 83 100
 131 10.9 5.0 15.0
 85 66.6 32.9 98.6



#64
 n-propylbenzene
 Concen: 8.420 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion:120 Resp: 1765556
 Ion Ratio Lower Upper
 120 100
 91 426.7 343.8 515.6

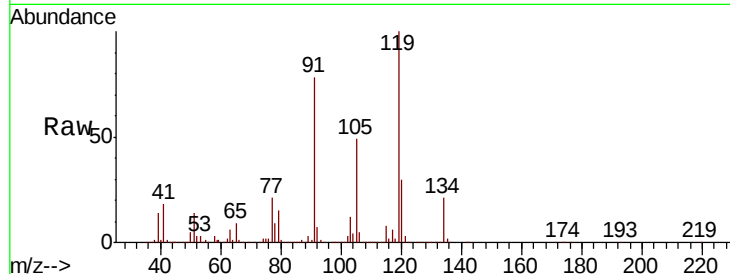




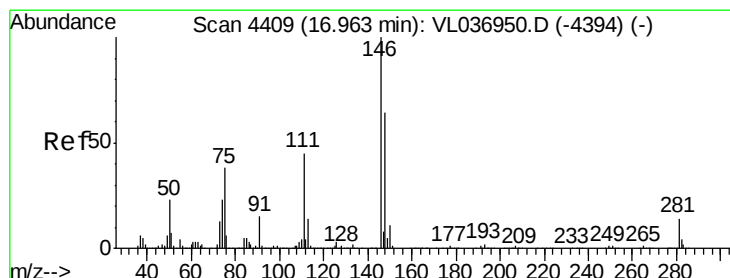
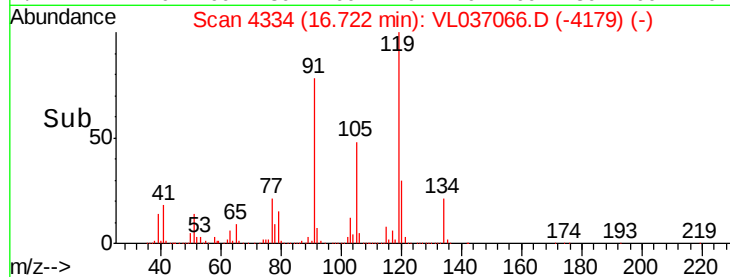
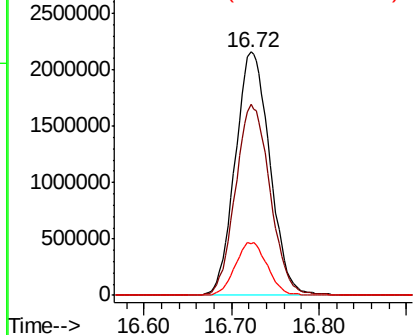
#65
tert-Butylbenzene
Concen: 8.081 ppbv
RT: 16.72 min Scan# 4334
Delta R.T. -0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:119 Resp: 5925801
Ion Ratio Lower Upper
119 100
91 78.4 61.9 92.9
134 20.3 16.2 24.4

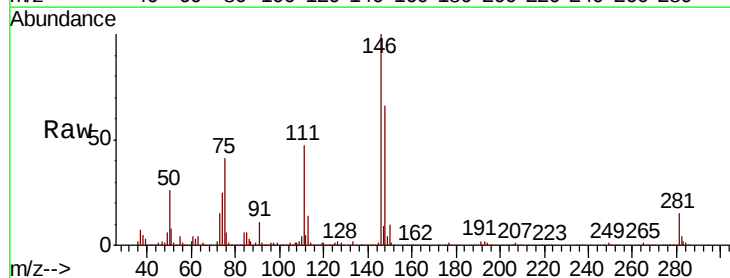


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

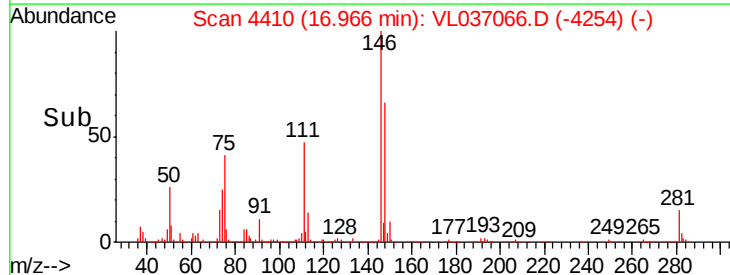
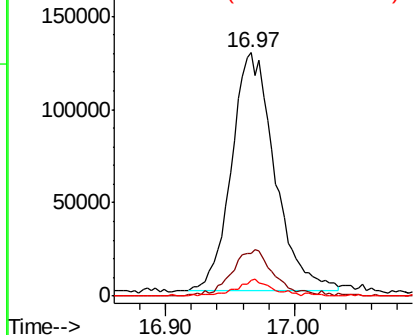


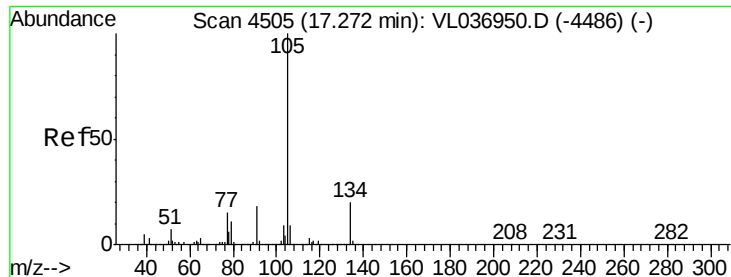
#66
Benzyl Chloride
Concen: 7.285 ppbv
RT: 16.97 min Scan# 4410
Delta R.T. 0.00 min
Lab File: VL037066.D
Acq: 1 Jun 2021 11:33

Tgt Ion: 91 Resp: 296420
Ion Ratio Lower Upper
91 100
126 19.8 16.5 24.7
128 6.9 5.5 8.3



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: 7.953 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

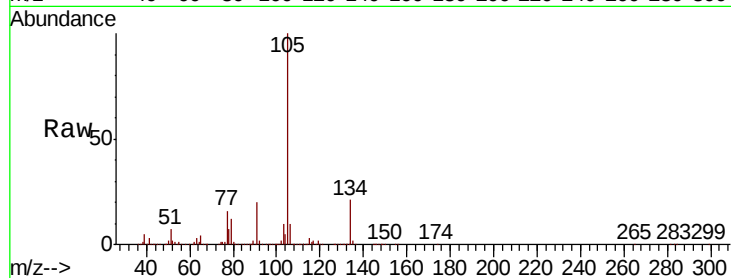
ClientSampleId :

Tot Ion:105 Resp: 7956727

Ion Ratio Lower Upper

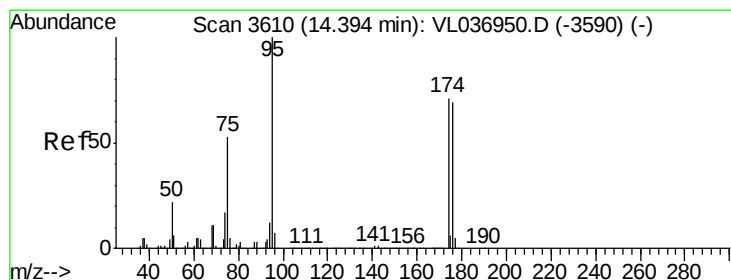
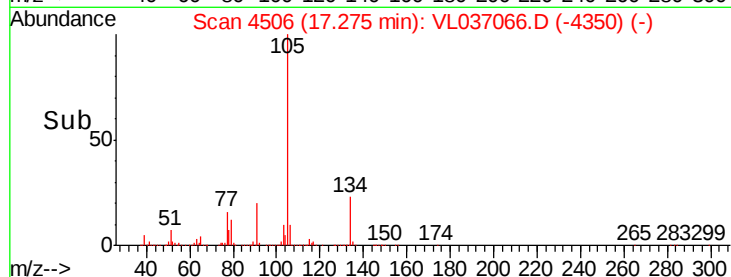
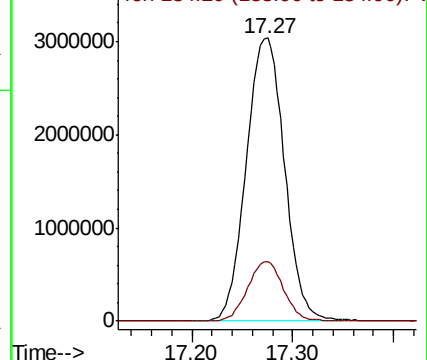
105 100

134 19.9 15.6 23.4



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: 8.262 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

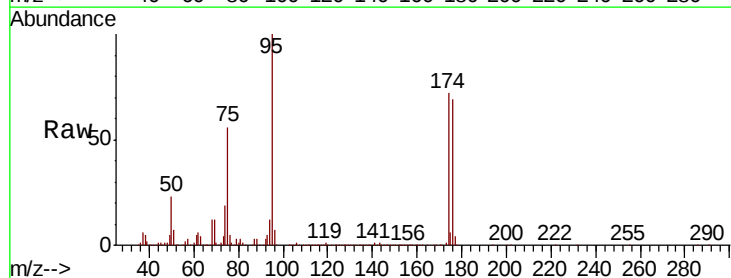
Tgt Ion: 95 Resp: 3154356

Ion Ratio Lower Upper

95 100

174 72.3 58.4 87.6

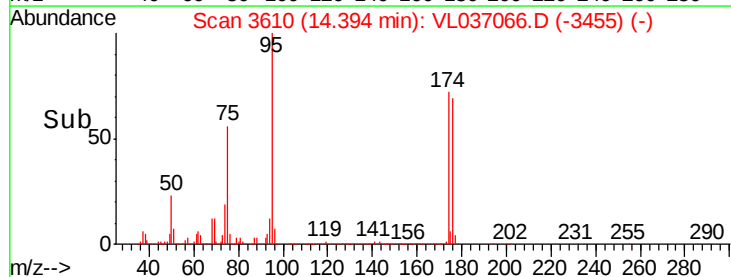
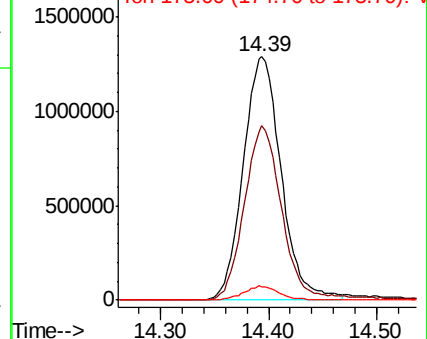
175 5.5 4.4 6.6

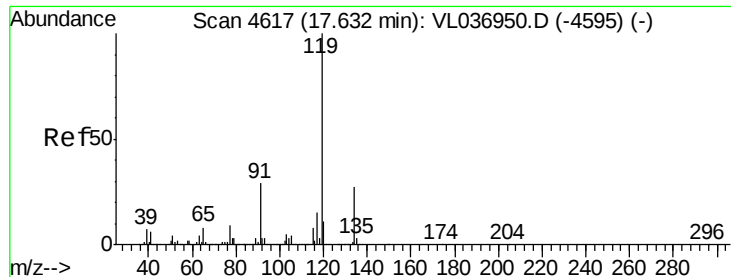


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

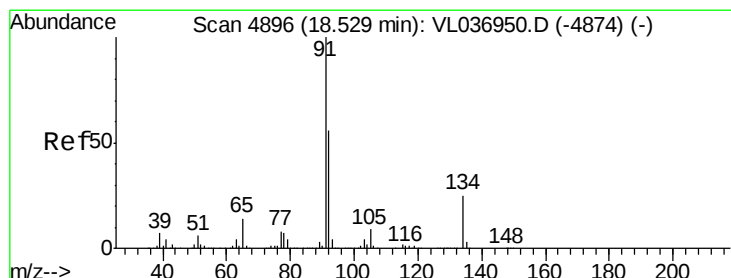
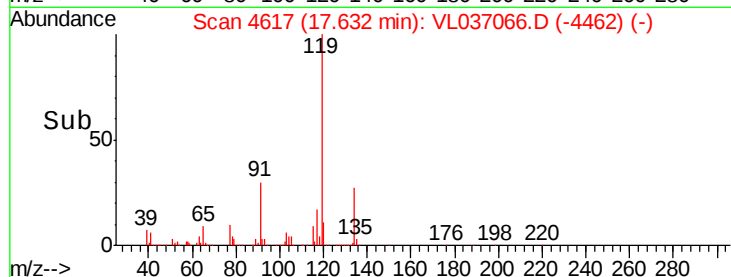
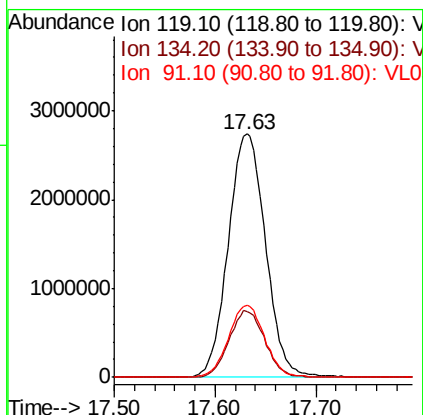
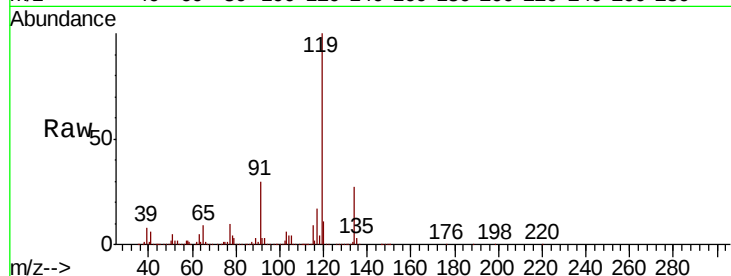




#69
 p-Isopropyltoluene
 Concen: 8.162 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

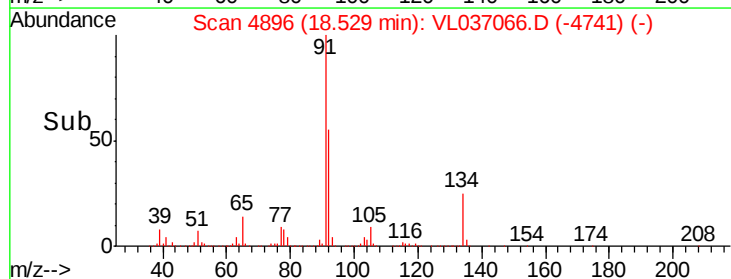
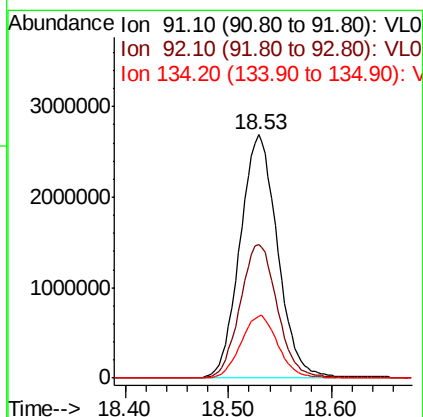
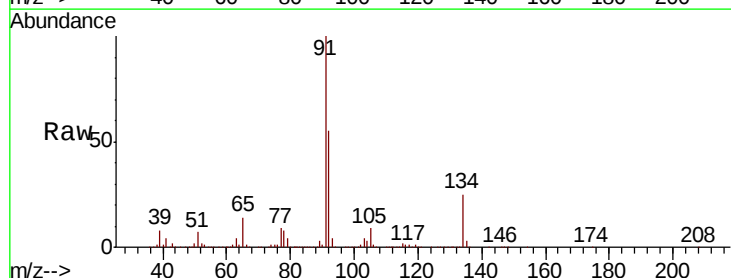
Instrument :
 MSVOA_L
 ClientSampleId :

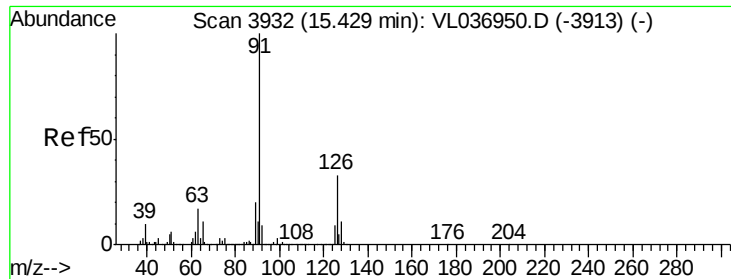
Tot Ion:119 Resp: 7020346
 Ion Ratio Lower Upper
 119 100
 134 26.4 21.2 31.8
 91 28.7 22.2 33.4



#70
 n-Butylbenzene
 Concen: 8.315 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion: 91 Resp: 6794199
 Ion Ratio Lower Upper
 91 100
 92 55.0 44.6 66.8
 134 25.6 20.2 30.2

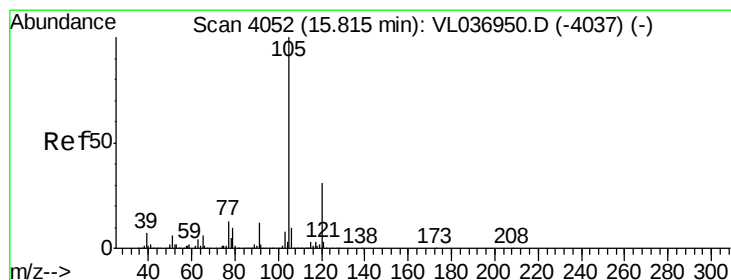
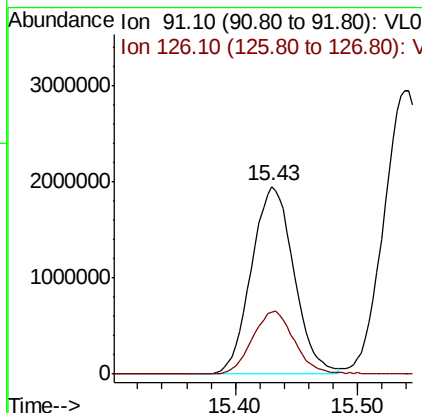
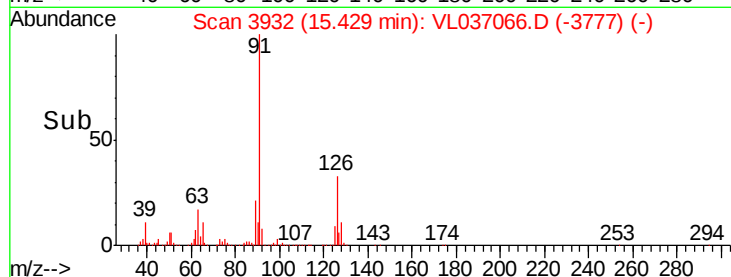
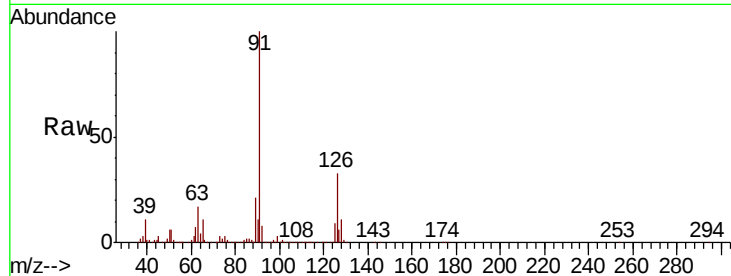




#71
 2-Chlorotoluene
 Concen: 8.021 ppbv
 RT: 15.43 min Scan# 3932
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

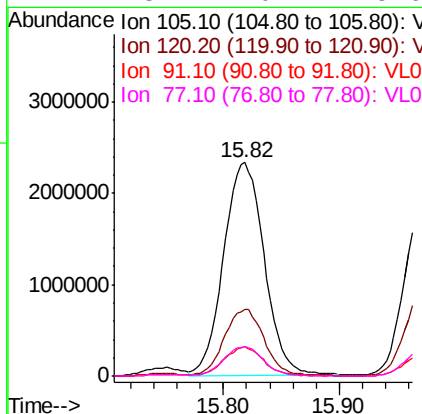
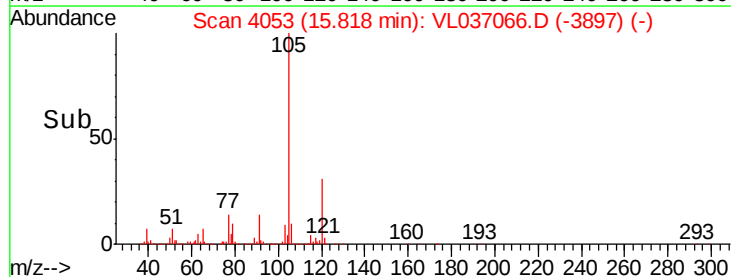
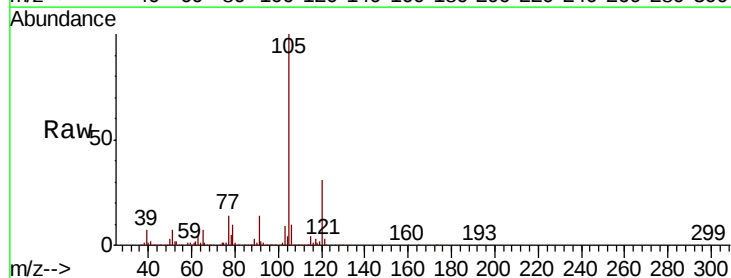
Instrument :
 MSVOA_L
 ClientSampleId :

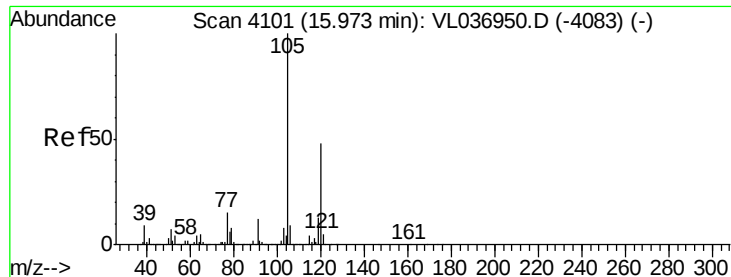
Tot Ion: 91 Resp: 4708317
 Ion Ratio Lower Upper
 91 100
 126 33.9 13.1 52.5



#72
 4-Ethyltoluene
 Concen: 8.398 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. 0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion:105 Resp: 5636243
 Ion Ratio Lower Upper
 105 100
 120 31.2 24.6 37.0
 91 13.0 9.8 14.6
 77 13.4 10.4 15.6

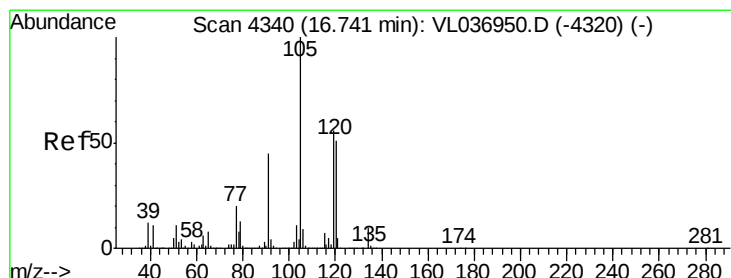
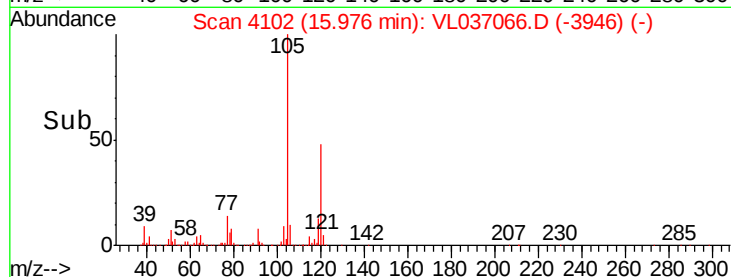
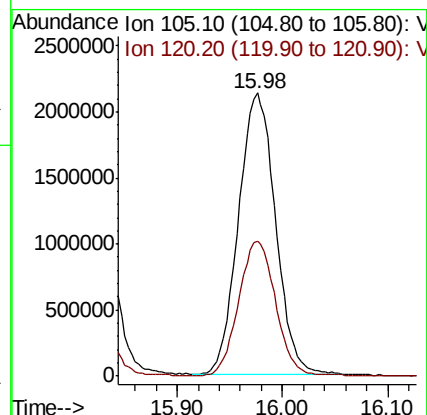
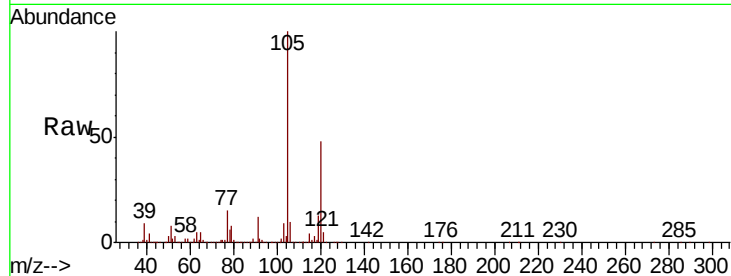




#73
 1,3,5-Trimethylbenzene
 Concen: 8.246 ppbv
 RT: 15.98 min Scan# 4102
 Delta R.T. 0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

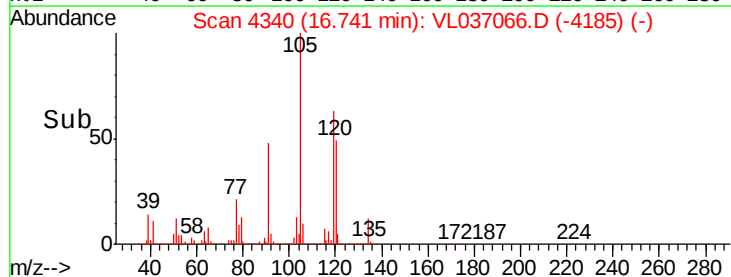
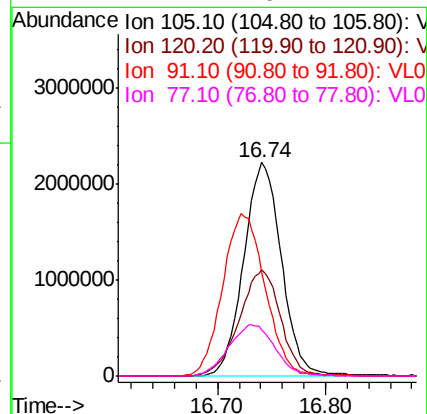
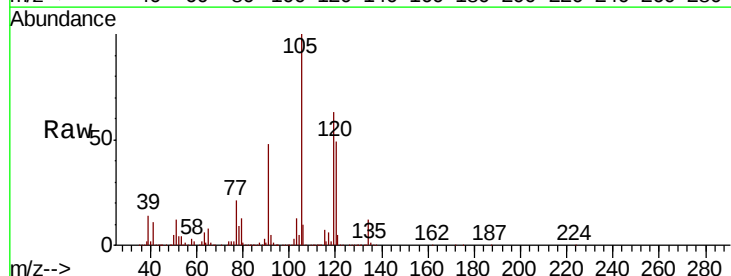
Instrument :
 MSVOA_L
 ClientSampled :

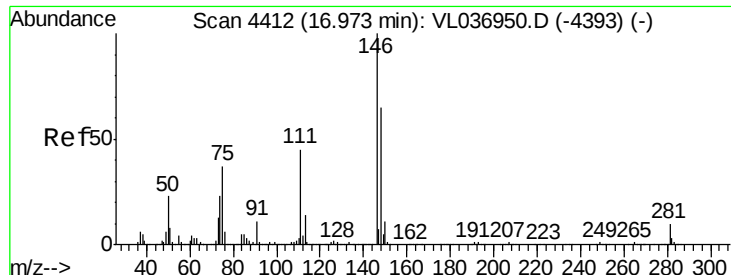
Tot Ion:105 Resp: 5197335
 Ion Ratio Lower Upper
 105 100
 120 47.6 38.6 58.0



#74
 1,2,4-Trimethylbenzene
 Concen: 8.293 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Tgt Ion:105 Resp: 5404396
 Ion Ratio Lower Upper
 105 100
 120 49.2 40.6 61.0
 91 48.1 37.4 56.0
 77 21.1 16.2 24.4





#75

1,3-Dichlorobenzene

Concen: 8.460 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

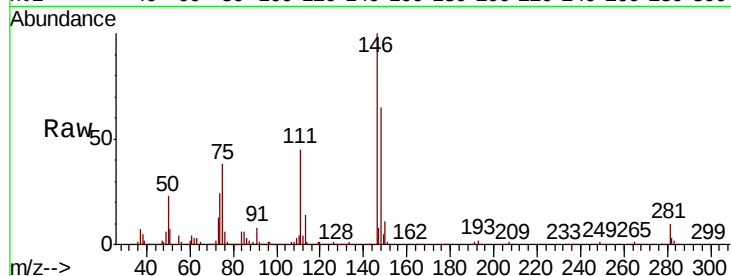
Tot Ion:146 Resp: 3366593

Ion Ratio Lower Upper

146 100

111 45.2 22.2 66.6

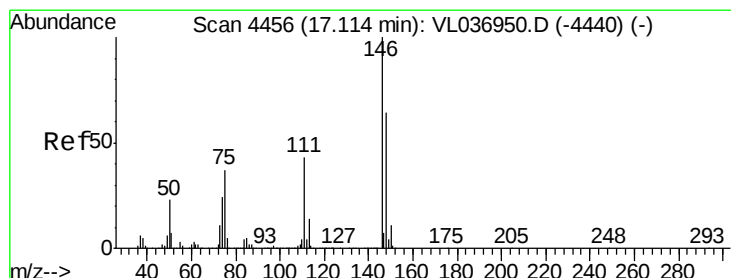
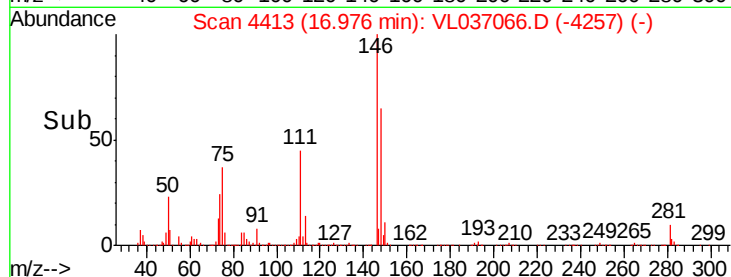
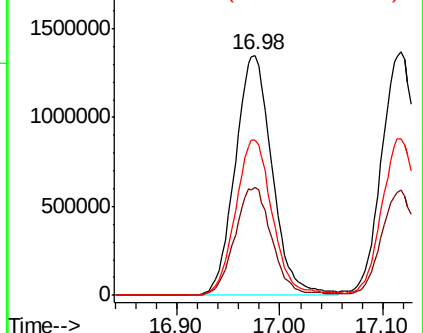
148 64.7 32.3 96.8



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: 8.135 ppbv

RT: 17.12 min Scan# 4457

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

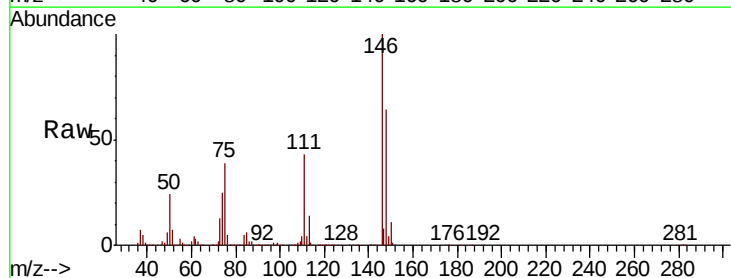
Tgt Ion:146 Resp: 3272978

Ion Ratio Lower Upper

146 100

111 44.1 22.6 67.7

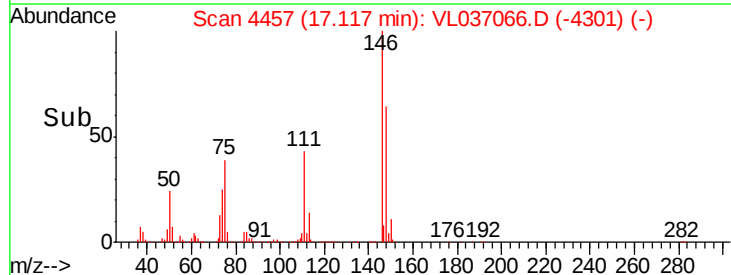
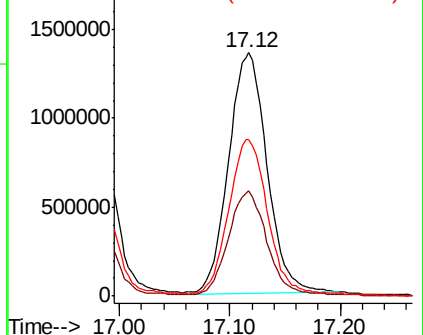
148 66.8 33.5 100.5

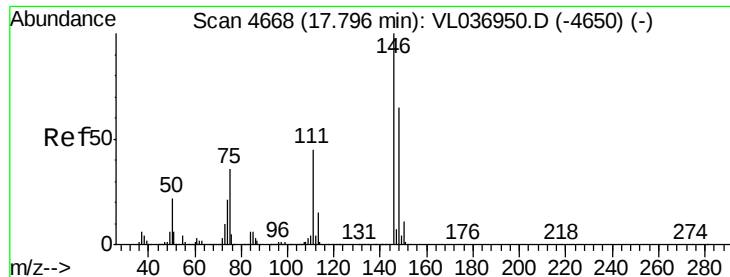


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.262 ppbv

RT: 17.79 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

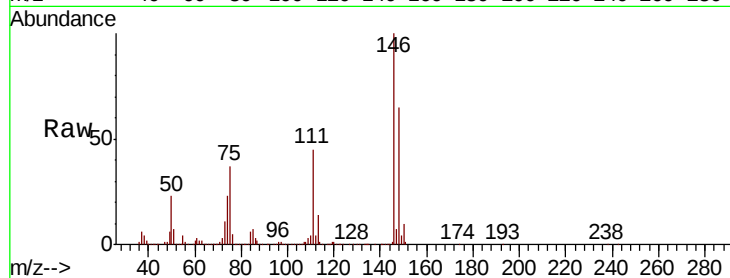
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 3294230

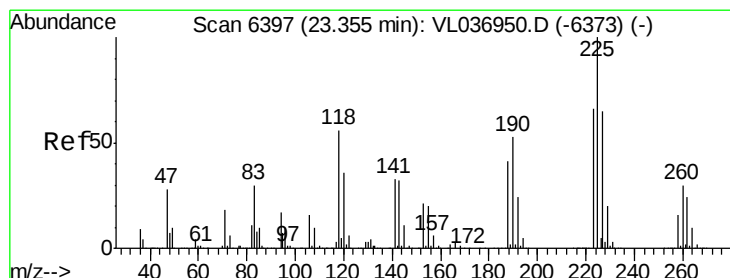
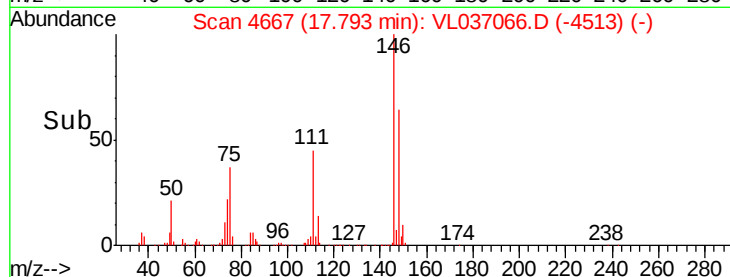
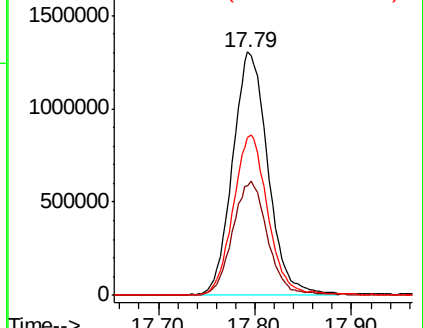
Ion	Ratio	Lower	Upper
146	100		
111	46.5	23.1	69.2
148	64.9	32.5	97.4



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: 7.427 ppbv

RT: 23.36 min Scan# 6397

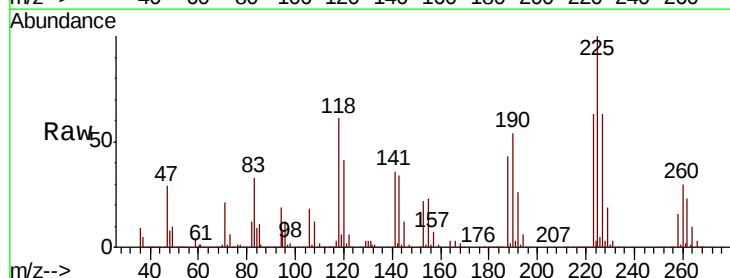
Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Tgt Ion:225 Resp: 2381247

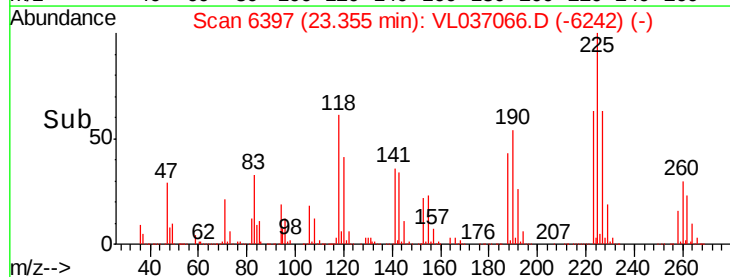
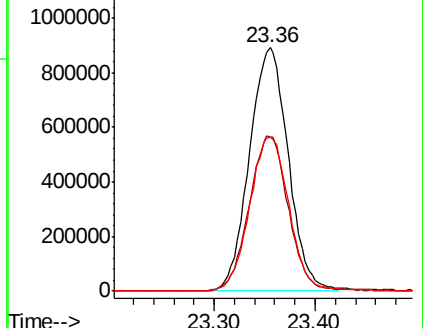
Ion	Ratio	Lower	Upper
225	100		
223	64.7	51.9	77.9
227	64.9	51.8	77.6

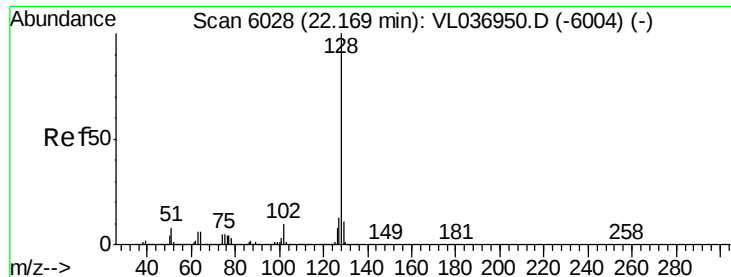


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.289 ppbv

RT: 22.17 min Scan# 6029

Delta R.T. 0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

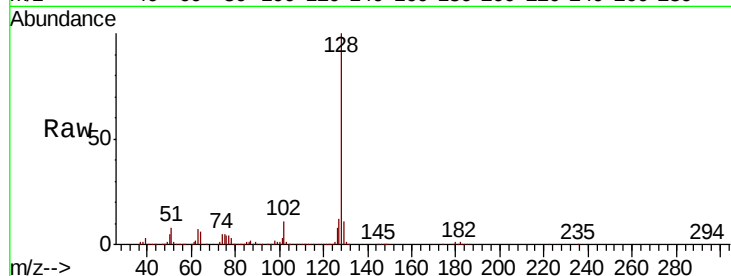
Tot Ion:128 Resp: 4749775

Ion Ratio Lower Upper

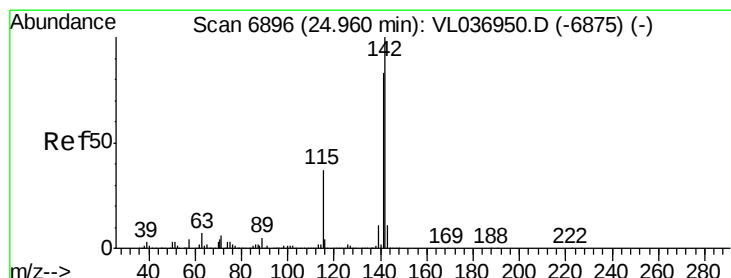
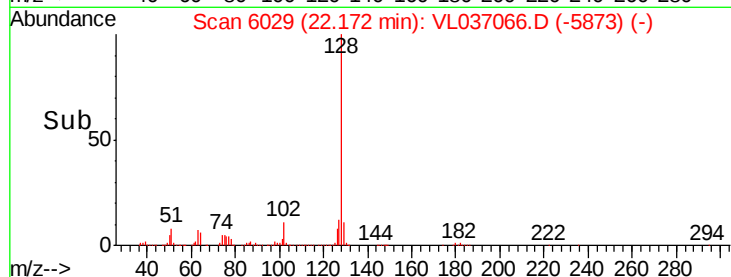
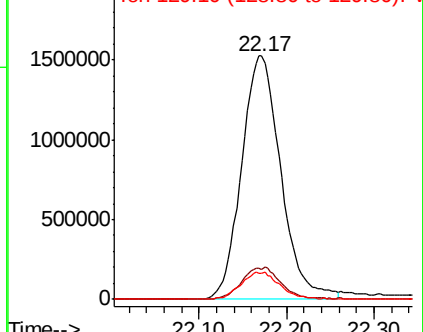
128 100

127 12.3 10.4 15.6

129 10.8 9.0 13.6



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: 7.840 ppbv

RT: 24.96 min Scan# 6895

Delta R.T. -0.00 min

Lab File: VL037066.D

Acq: 1 Jun 2021 11:33

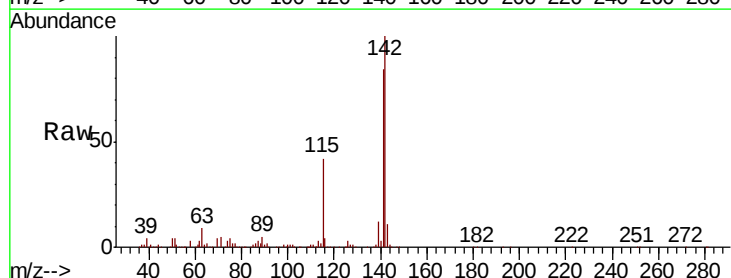
Tgt Ion:142 Resp: 871728

Ion Ratio Lower Upper

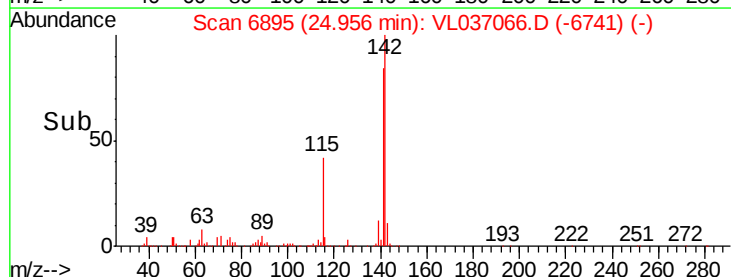
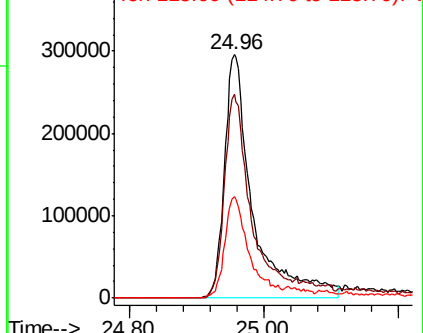
142 100

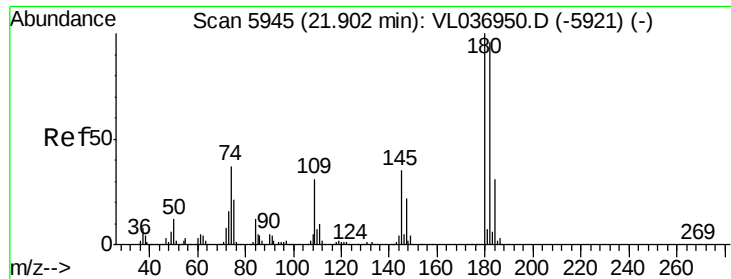
141 78.6 69.3 103.9

115 39.4 29.1 43.7



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

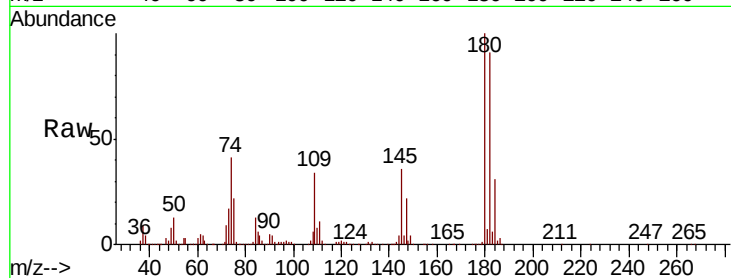




#81
 1,2,4-Trichlorobenzene
 Concen: 8.563 ppbv
 RT: 21.90 min Scan# 5944
 Delta R.T. -0.00 min
 Lab File: VL037066.D
 Acq: 1 Jun 2021 11:33

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2669020
 Ion Ratio Lower Upper
 180 100
 182 101.6 81.7 122.5
 184 31.1 24.9 37.3



Abundance Ion 180.00 (179.70 to 180.70): V
 1200000 Ion 182.00 (181.70 to 182.70): V
 1000000 Ion 184.00 (183.70 to 184.70): V

