

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033022\
 Data File : VL038796.D
 Acq On : 30 Mar 2022 15:25
 Operator : SY/AP
 Sample : VL0330ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 31 04:10:46 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	804427	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2163668	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2066850	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1509198	9.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	927633	8.578	ppbv 99
3) Chlorodifluoromethane	2.99	51	858808	10.108	ppbv 98
4) Chloromethane	3.14	50	469997	10.076	ppbv 100
5) Vinyl Chloride	3.26	62	494440	10.432	ppbv 97
6) Bromomethane	3.47	94	292164	11.563	ppbv 95
7) Chloroethane	3.56	64	175970	11.215	ppbv 98
8) Dichlorotetrafluoroethane	3.19	85	1168982	10.827	ppbv 99
9) Propene	3.01	41	385740	9.404	ppbv 99
10) Heptane	8.11	43	1004326	10.243	ppbv 98
11) Trichlorofluoromethane	3.95	101	1124110	11.778	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	880312	11.982	ppbv 100
13) Ethanol	3.60	45	17479	3.863	ppbv # 15
14) Bromoethene	3.74	108	377257	11.554	ppbv 100
15) Acetone	3.84	43	750932	10.819	ppbv 99
16) 1,3-Butadiene	3.33	39	426343	10.823	ppbv 98
17) tert-Butyl alcohol	4.28	59	780404	12.873	ppbv 100
18) 1,1-Dichloroethene	4.29	96	402055	12.181	ppbv 99
19) Isopropyl Alcohol	3.96	45	427898	11.119	ppbv 100
20) Methylene Chloride	4.34	84	322825	11.042	ppbv 98
21) Allyl Chloride	4.41	41	594313	11.897	ppbv 97
22) trans-1,2-Dichloroethene	4.88	96	432026	12.619	ppbv 98
23) Vinyl Acetate	5.06	43	835557	12.431	ppbv 99
24) 1,1-Dichloroethane	5.01	63	795927	12.024	ppbv 100
25) Ethyl Acetate	5.67	43	1808355	10.349	ppbv 99
26) Hexane	5.68	57	812320	10.384	ppbv 97
27) Carbon Disulfide	4.55	76	1026157	13.372	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	745472	12.793	ppbv 98
29) Chloroform	5.74	83	1339127	10.691	ppbv 99
30) Cyclohexane	7.12	84	686334	10.090	ppbv 98
31) cis-1,2-Dichloroethene	5.54	61	796845	10.833	ppbv 99
32) 1,1,1-Trichloroethane	6.50	97	1323411	10.949	ppbv 99
34) 2-Butanone	5.23	43	918526	10.726	ppbv 99
35) Carbon Tetrachloride	7.01	117	1397697	11.133	ppbv 99
36) Benzene	6.88	78	1713271	10.260	ppbv 99
37) 1,2-Dichloroethane	6.30	62	921475	10.848	ppbv 99
38) Trichloroethene	7.82	130	745074	10.651	ppbv 98
39) 1,2-Dichloropropane	7.60	63	644395	9.871	ppbv 97
40) 1,4-Dioxane	7.82	88	230608	10.172	ppbv 95
41) Tetrahydrofuran	6.04	42	648264	10.171	ppbv 97
42) Bromodichloromethane	7.78	83	1410244	11.073	ppbv 99
43) Methyl Methacrylate	8.00	69	687227	11.085	ppbv 96

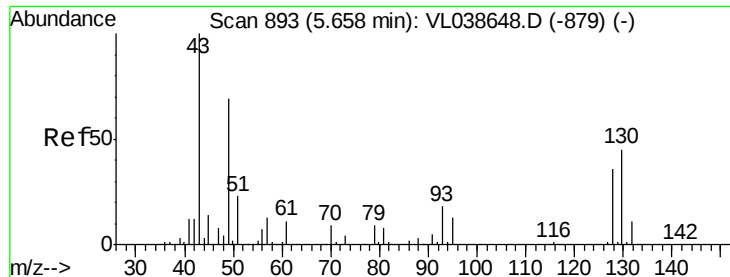
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033022\
 Data File : VL038796.D
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	2787770	9.943	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	797122	12.646	ppbv	98
46) cis-1,3-Dichloropropene	8.69	75	995096	11.674	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	709641	10.182	ppbv	99
48) Dibromochloromethane	10.29	129	1265614	11.593	ppbv	100
49) Bromoform	13.02	173	1049148	11.791	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	1636663	10.280	ppbv	98
51) 2-Hexanone	10.12	43	1277390	11.170	ppbv #	100
52) Tetrachloroethene	11.21	164	629883	10.308	ppbv	98
53) Toluene	9.79	91	1961722	10.933	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1049433	11.027	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	875611	10.218	ppbv	98
57) Chlorobenzene	12.13	112	1453673	9.752	ppbv	100
58) Ethyl Benzene	12.70	91	2543909	10.528	ppbv	99
59) m/p-Xylene	12.98	91	2408745	11.396	ppbv #	45
60) o-Xylene	13.68	91	2065278	10.291	ppbv	100
61) Styrene	13.51	104	1227127	11.276	ppbv	99
62) Isopropylbenzene	14.65	105	2997372	9.935	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	1375594	8.849	ppbv	100
64) n-propylbenzene	15.55	120	808540	10.213	ppbv	97
65) tert-Butylbenzene	16.73	119	2734827	10.088	ppbv	98
66) Benzyl Chloride	16.97	91	715164	13.932	ppbv	100
67) sec-Butylbenzene	17.28	105	3907601	10.079	ppbv	100
69) p-Isopropyltoluene	17.64	119	3270233	10.335	ppbv	99
70) n-Butylbenzene	18.54	91	3422815	10.488	ppbv	100
71) 2-Chlorotoluene	15.44	91	2252384	10.058	ppbv	99
72) 4-Ethyltoluene	15.82	105	2461832	10.392	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	2207826	10.227	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	2385218	10.144	ppbv	96
75) 1,3-Dichlorobenzene	16.98	146	1496503	9.992	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	1479877	9.936	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	1468360	9.897	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1238908	9.035	ppbv	100
79) Naphthalene	22.18	128	2250225	12.526	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	539928	11.209	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	1311951	10.668	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 30 Mar 2022 15:25

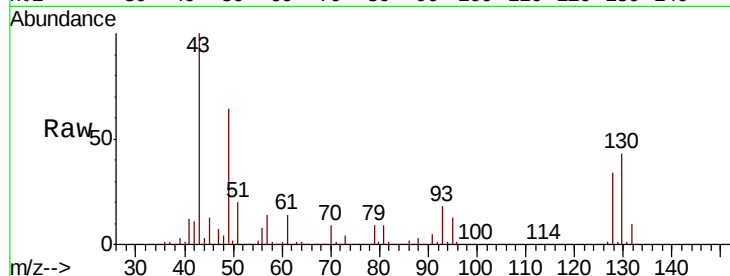
Tot Ion: 49 Resp: 804427

Ion Ratio Lower Upper

49 100

128 55.4 26.2 78.6

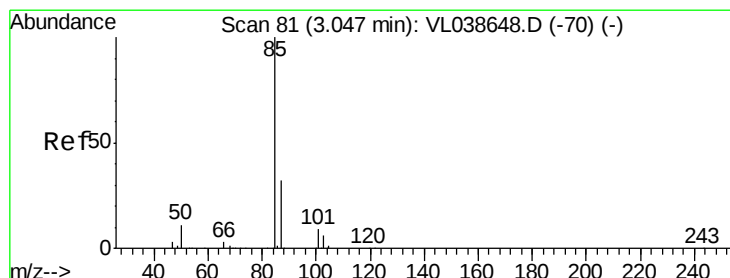
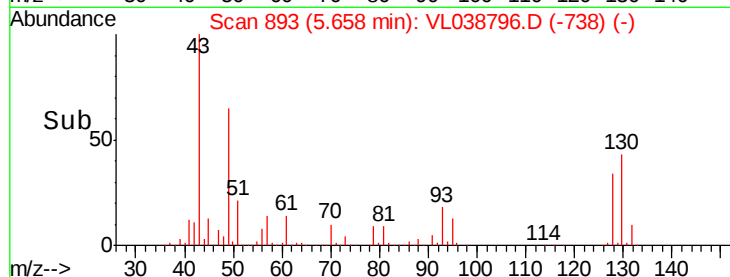
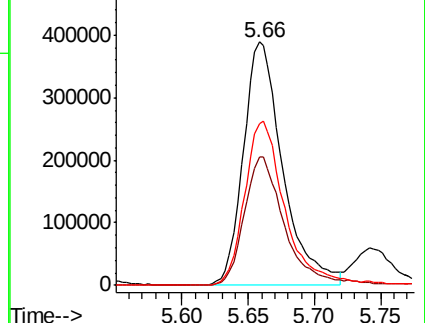
130 70.8 33.7 101.1



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: 8.578 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL038796.D

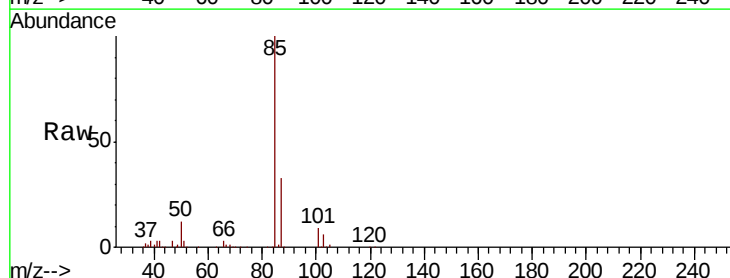
Acq: 30 Mar 2022 15:25

Tgt Ion: 85 Resp: 927633

Ion Ratio Lower Upper

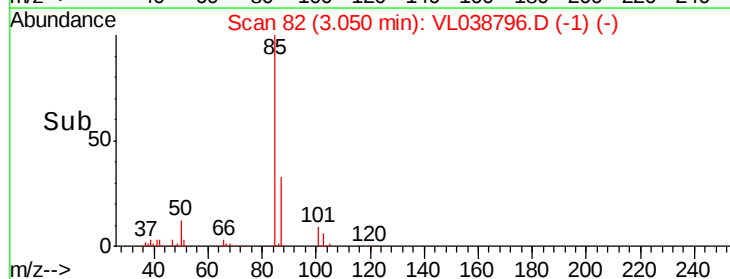
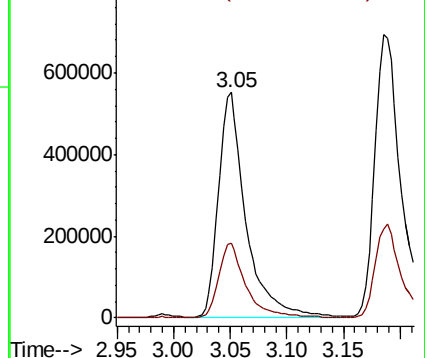
85 100

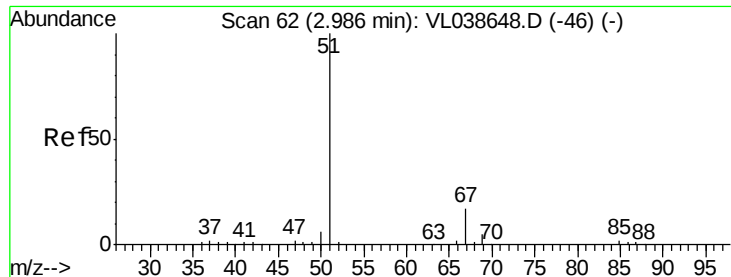
87 32.9 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.108 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

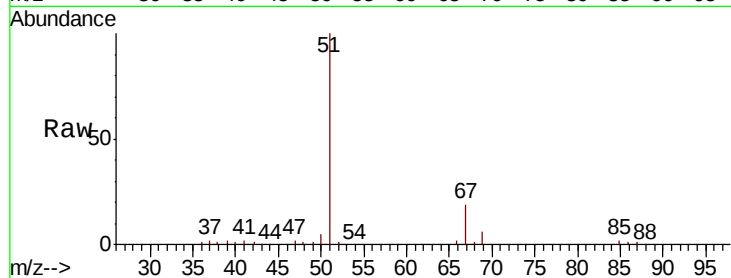
Acq: 30 Mar 2022 15:25

Tot Ion: 51 Resp: 858808

Ion Ratio Lower Upper

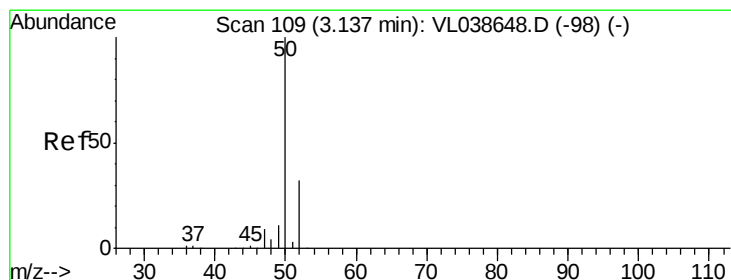
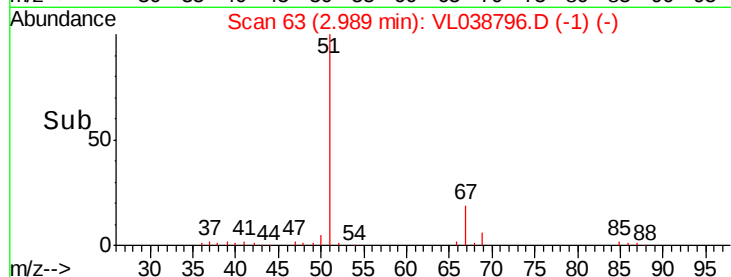
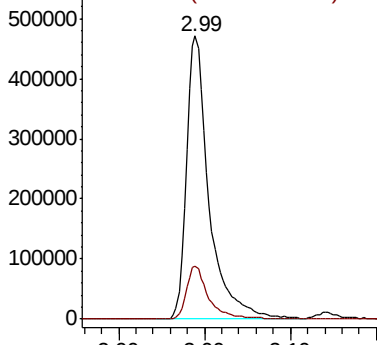
51 100

67 18.5 14.1 21.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.076 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL038796.D

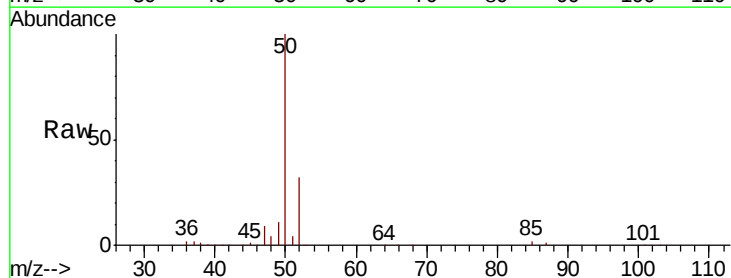
Acq: 30 Mar 2022 15:25

Tgt Ion: 50 Resp: 469997

Ion Ratio Lower Upper

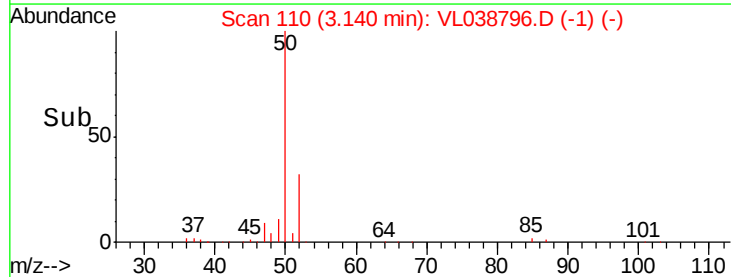
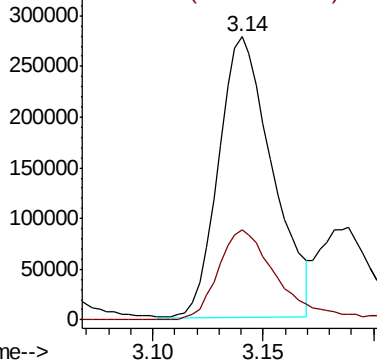
50 100

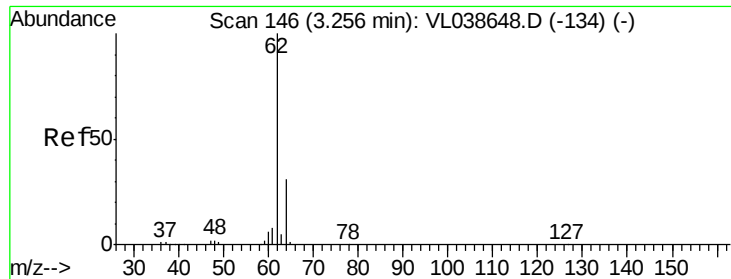
52 32.1 25.5 38.3



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.432 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

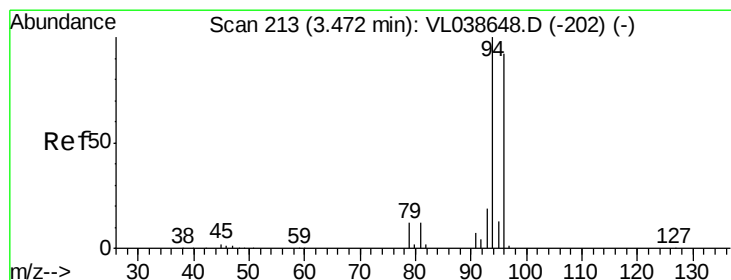
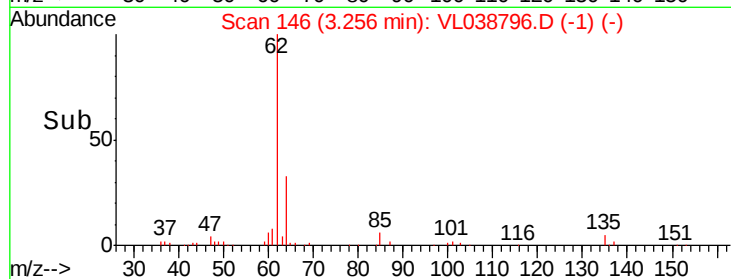
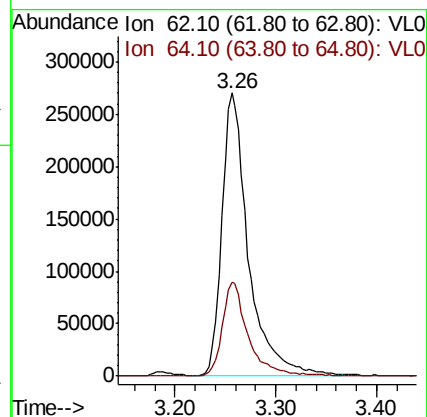
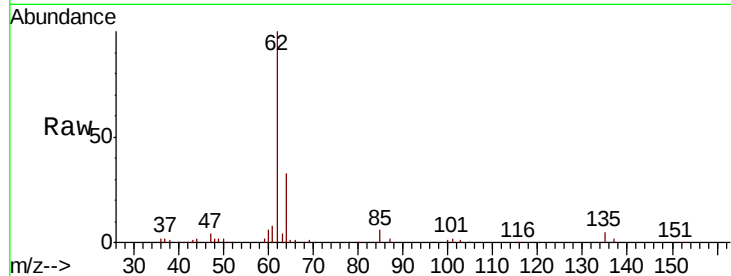
Acq: 30 Mar 2022 15:25

Tot Ion: 62 Resp: 494440

Ion Ratio Lower Upper

62 100

64 33.0 25.0 37.4



#6

Bromomethane

Concen: 11.563 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL038796.D

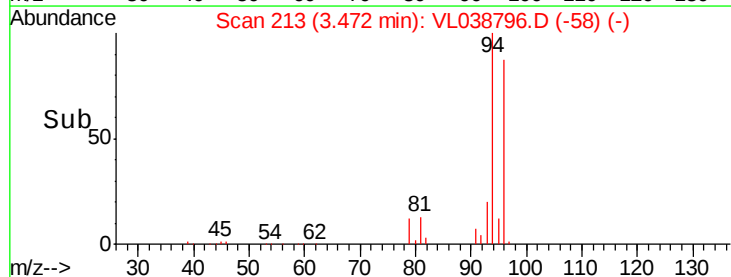
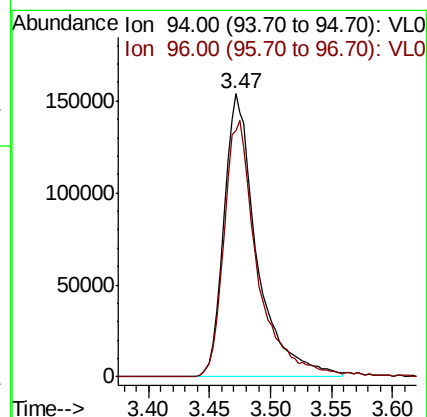
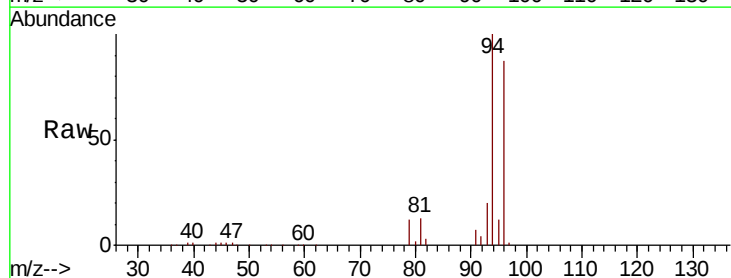
Acq: 30 Mar 2022 15:25

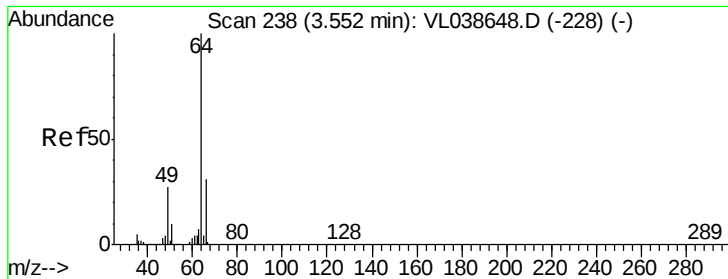
Tgt Ion: 94 Resp: 292164

Ion Ratio Lower Upper

94 100

96 87.2 73.3 109.9





#7

Chloroethane

Concen: 11.215 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

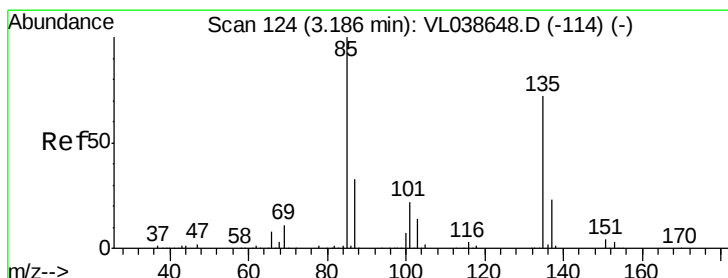
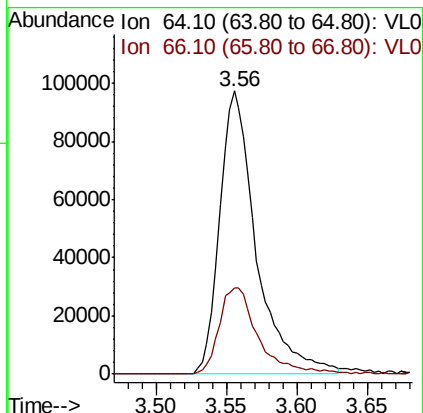
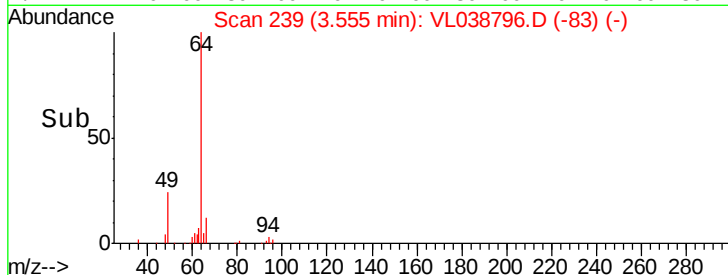
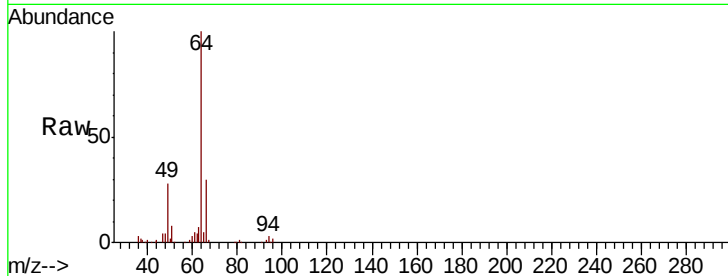
Acq: 30 Mar 2022 15:25

Tot Ion: 64 Resp: 175970

Ion Ratio Lower Upper

64 100

66 30.4 25.0 37.6



#8

Dichlorotetrafluoroethane

Concen: 10.827 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL038796.D

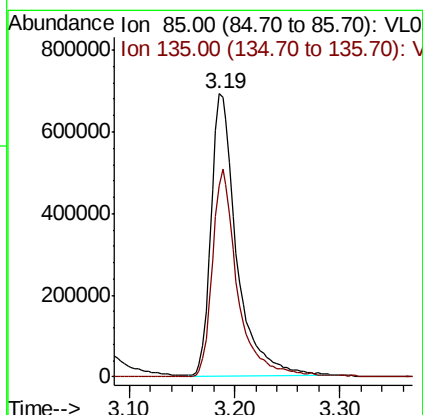
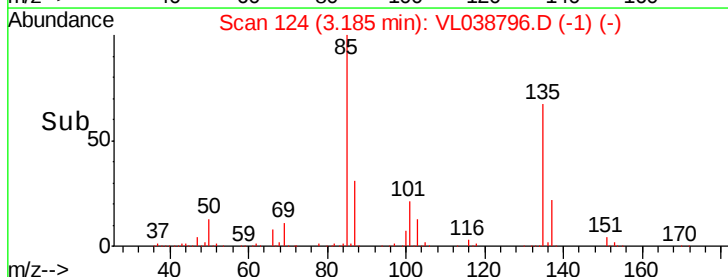
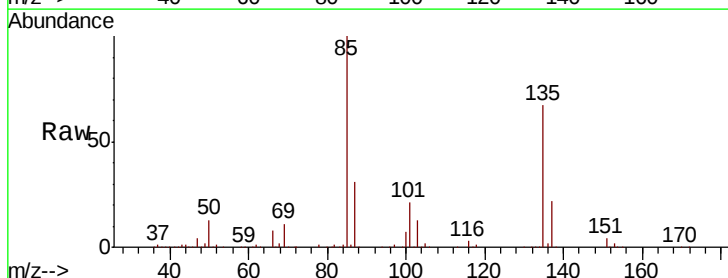
Acq: 30 Mar 2022 15:25

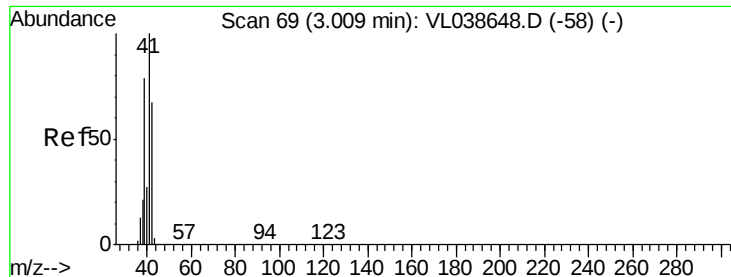
Tgt Ion: 85 Resp: 1168982

Ion Ratio Lower Upper

85 100

135 73.1 57.8 86.6





#9

Propene

Concen: 9.404 ppbv

RT: 3.01 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

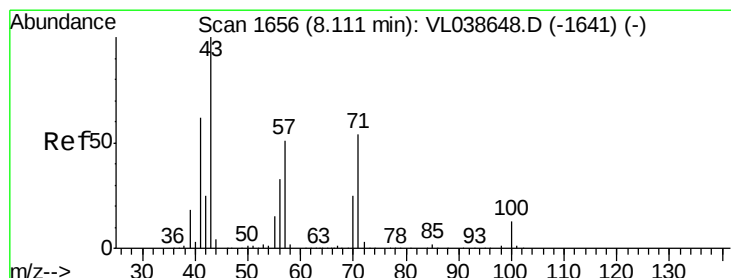
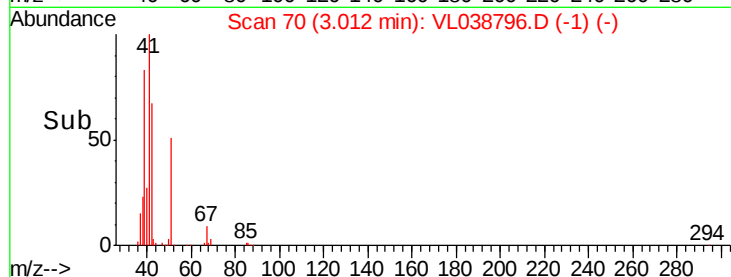
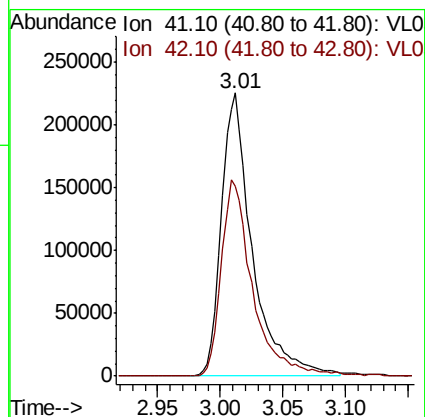
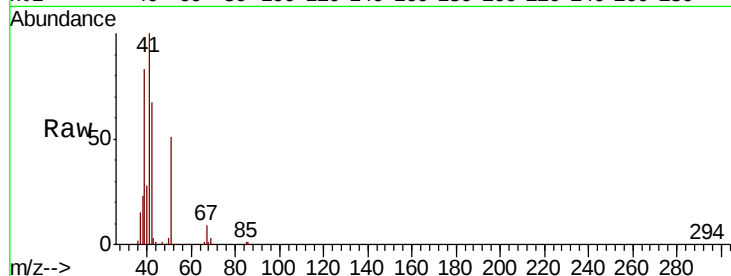
Acq: 30 Mar 2022 15:25

Tot Ion: 41 Resp: 385740

Ion Ratio Lower Upper

41 100

42 71.0 56.2 84.4



#10

Heptane

Concen: 10.243 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VL038796.D

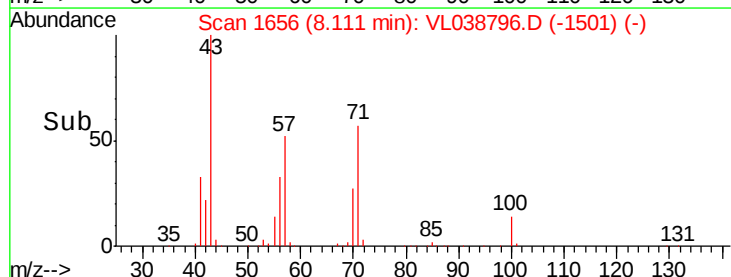
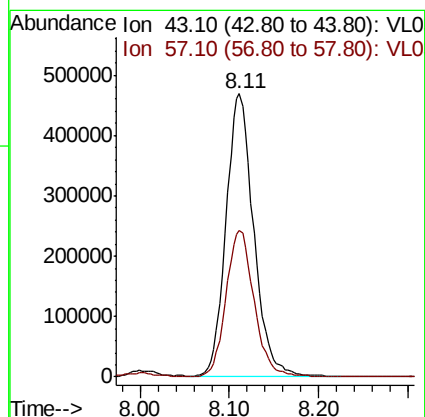
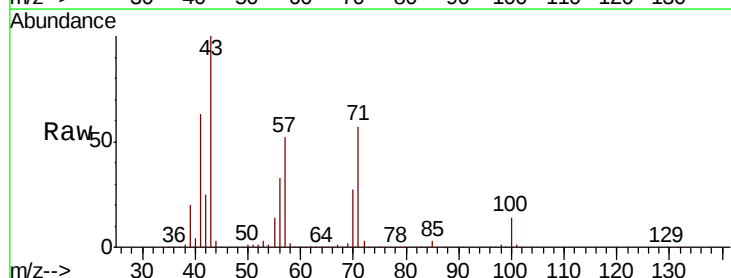
Acq: 30 Mar 2022 15:25

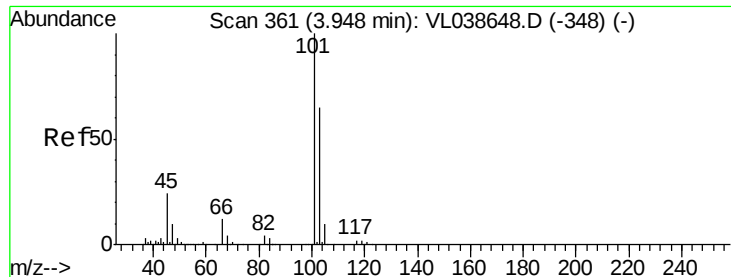
Tgt Ion: 43 Resp: 1004326

Ion Ratio Lower Upper

43 100

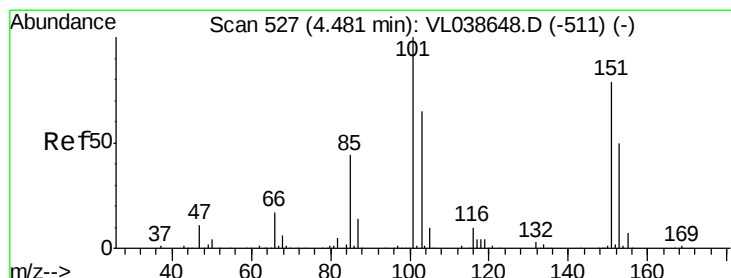
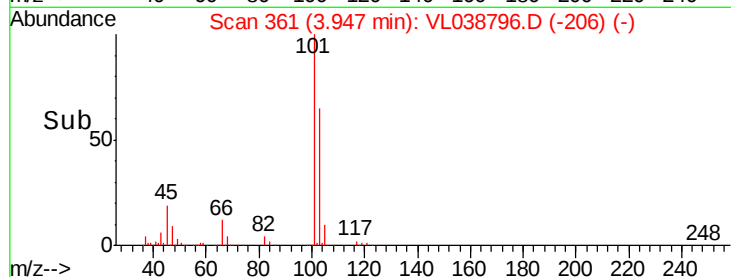
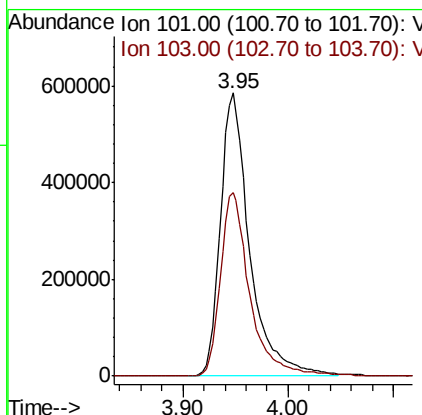
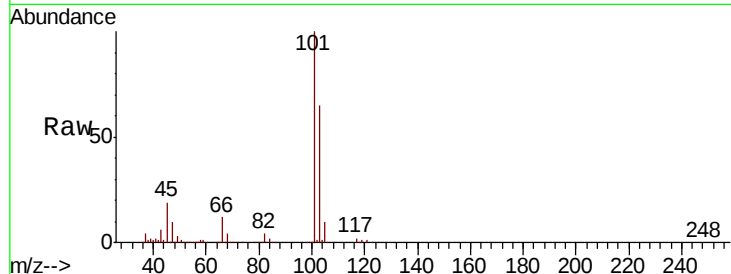
57 52.9 41.4 62.2





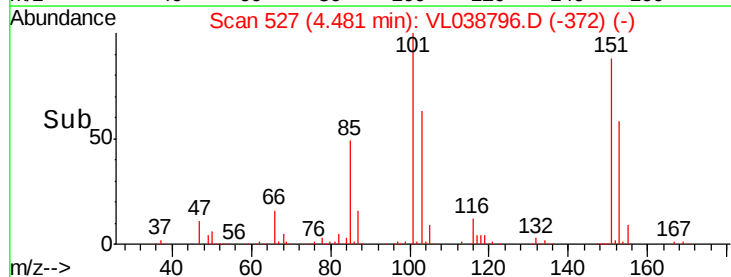
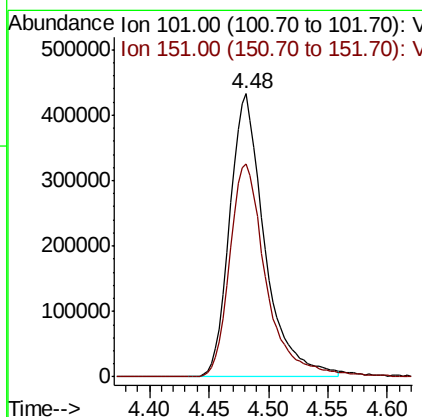
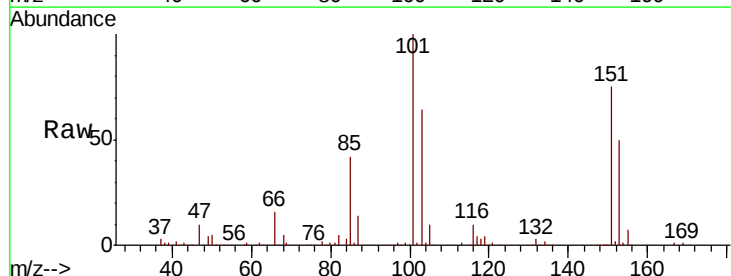
#11
 Trichlorofluoromethane
 Concen: 11.778 ppbv
 RT: 3.95 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 15:25

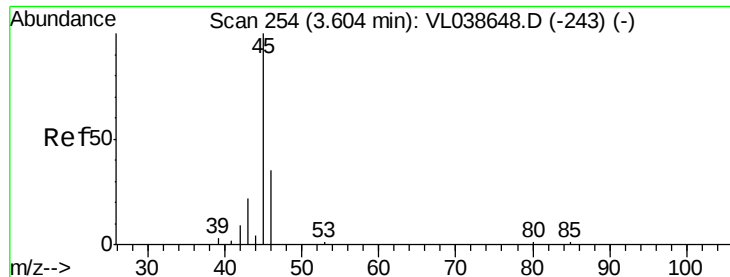
Tot Ion:101 Resp: 1124110
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.982 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL038796.D
 Acq: 30 Mar 2022 15:25

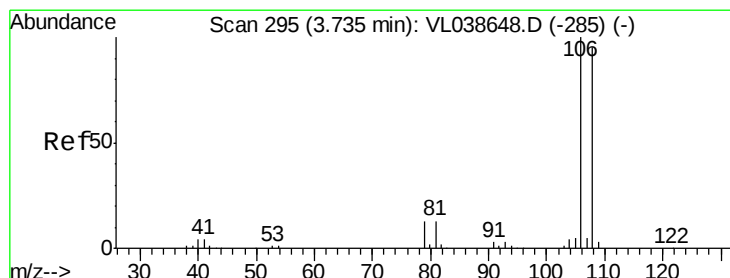
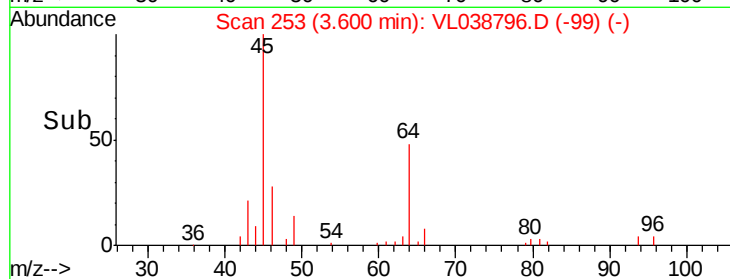
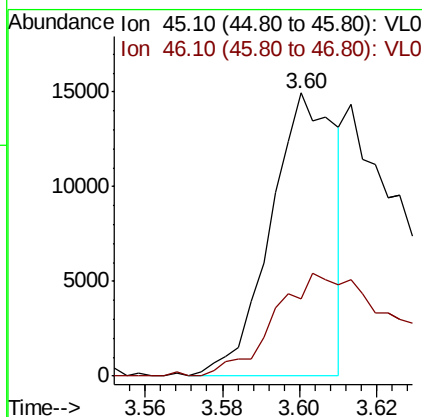
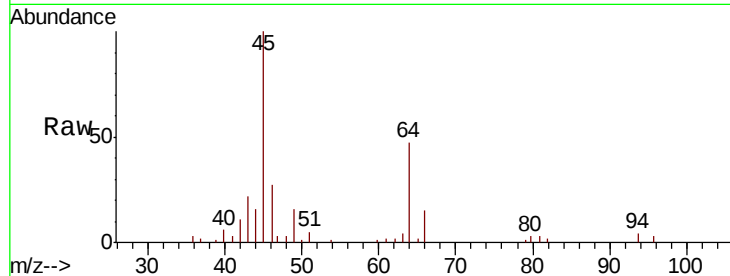
Tgt Ion:101 Resp: 880312
 Ion Ratio Lower Upper
 101 100
 151 78.9 62.9 94.3





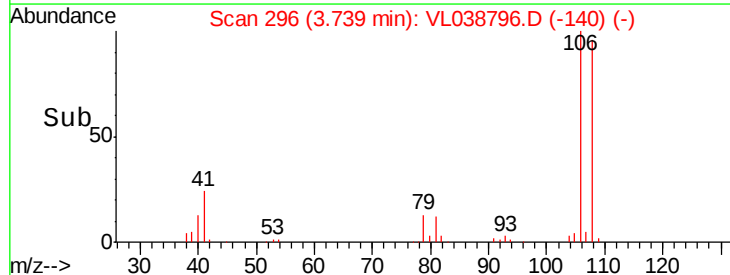
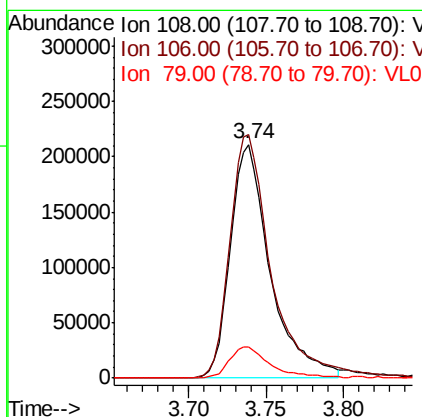
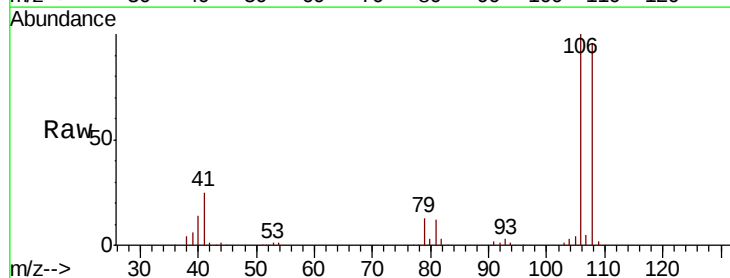
#13
Ethanol
Concen: 3.863 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 30 Mar 2022 15:25

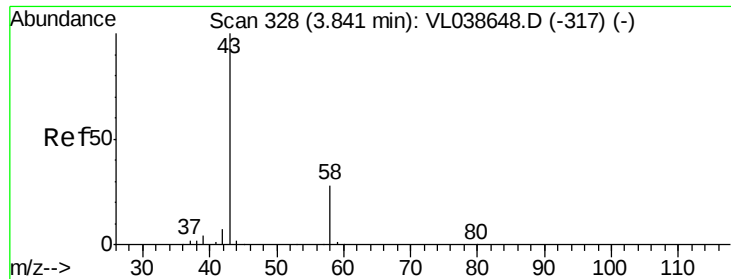
Tot Ion: 45 Resp: 17479
Ion Ratio Lower Upper
45 100
46 88.6 15.1 60.5#



#14
Bromoethene
Concen: 11.554 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.00 min
Lab File: VL038796.D
Acq: 30 Mar 2022 15:25

Tgt Ion: 108 Resp: 377257
Ion Ratio Lower Upper
108 100
106 110.1 88.3 132.5
79 14.2 11.2 16.8





#15

Acetone

Concen: 10.819 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA_L

Lab File:

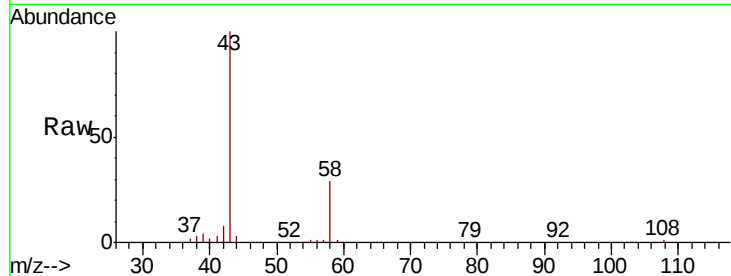
Acq: 30 Mar 2022 15:25

Tot Ion: 43 Resp: 750932

Ion Ratio Lower Upper

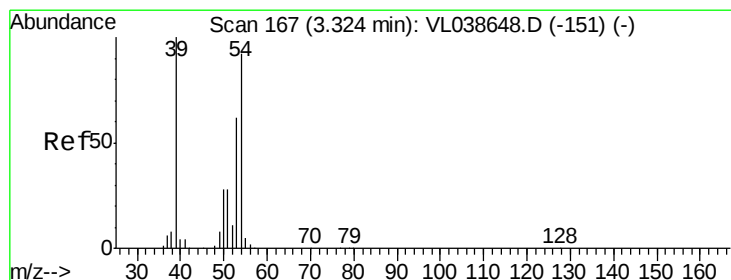
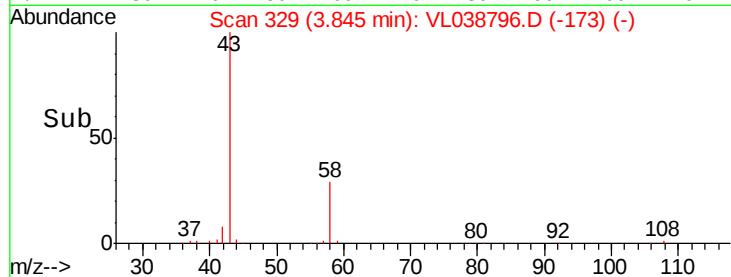
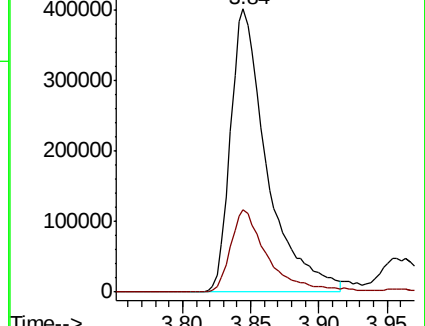
43 100

58 29.5 23.3 34.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.823 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL038796.D

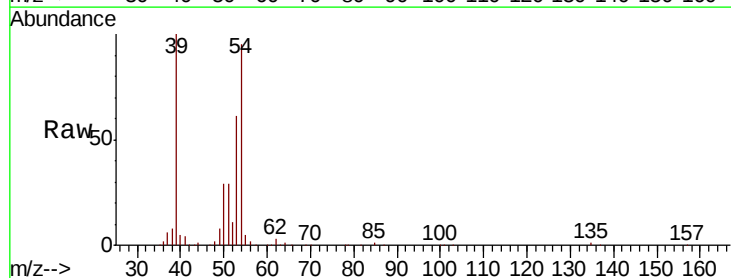
Acq: 30 Mar 2022 15:25

Tgt Ion: 39 Resp: 426343

Ion Ratio Lower Upper

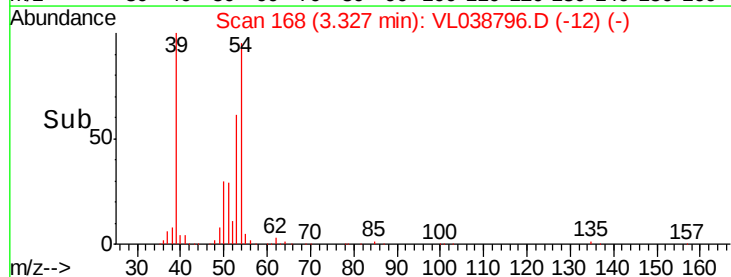
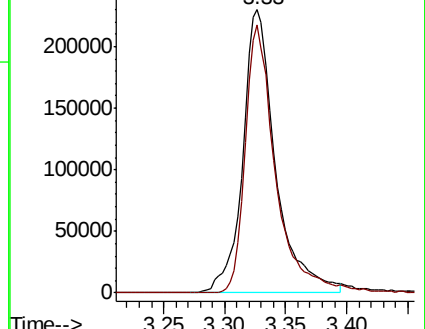
39 100

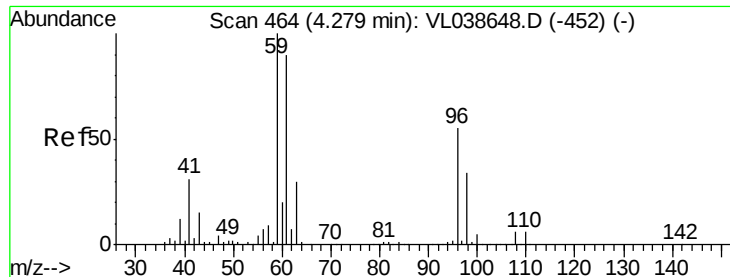
54 88.3 69.1 103.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 12.873 ppbv

RT: 4.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

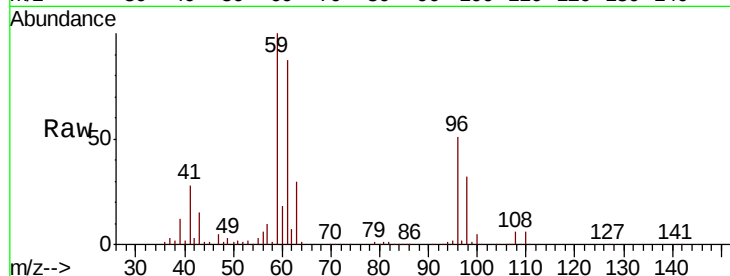
Acq: 30 Mar 2022 15:25

Tot Ion: 59 Resp: 780404

Ion Ratio Lower Upper

59 100

57 10.3 8.2 12.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

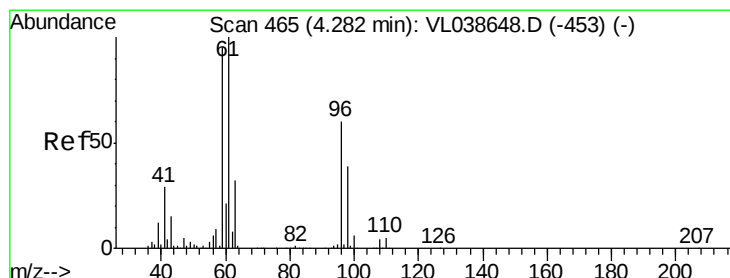
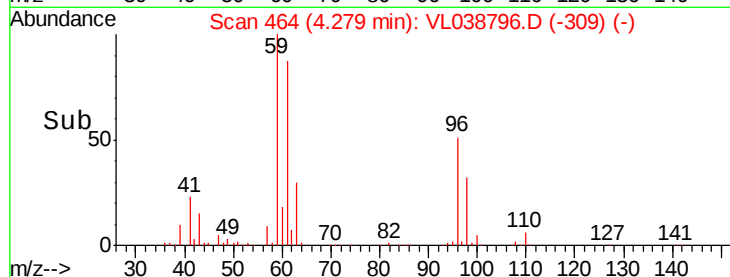
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 12.181 ppbv

RT: 4.29 min Scan# 466

Delta R.T. 0.00 min

Lab File: VL038796.D

Acq: 30 Mar 2022 15:25

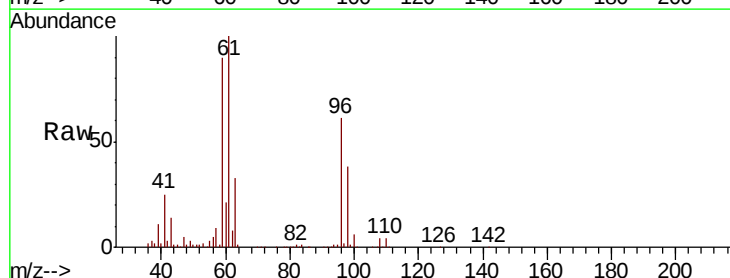
Tgt Ion: 96 Resp: 402055

Ion Ratio Lower Upper

96 100

61 165.2 132.4 198.6

98 62.8 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

4.29

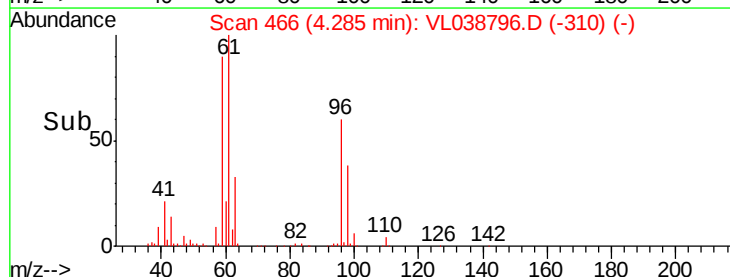
300000

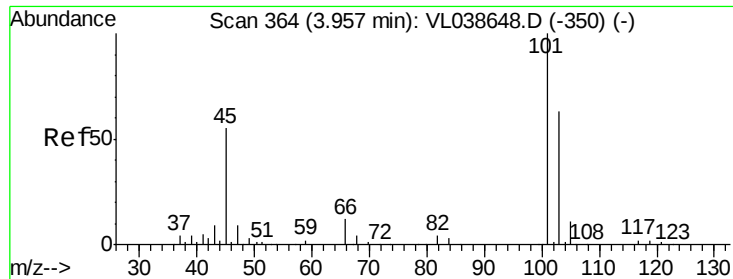
200000

100000

0

Time-->





#19

Isopropyl Alcohol

Concen: 11.119 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

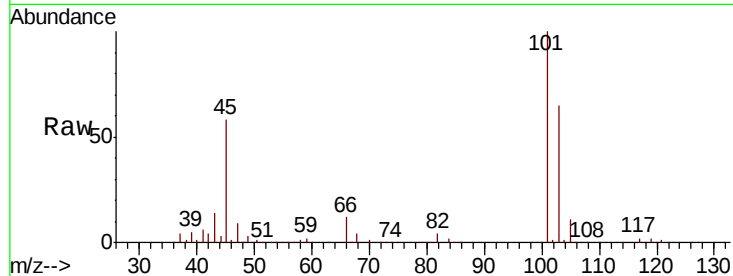
Acq: 30 Mar 2022 15:25

Tot Ion: 45 Resp: 427898

Ion Ratio Lower Upper

45 100

58 2.9 2.3 3.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

200000

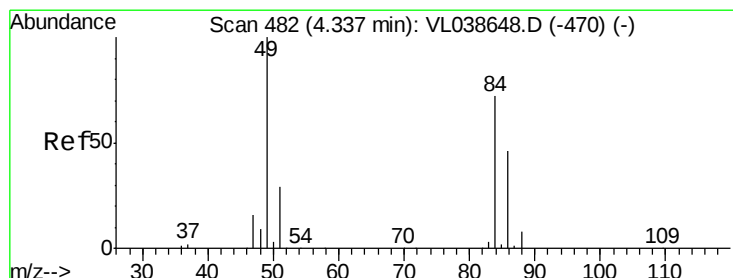
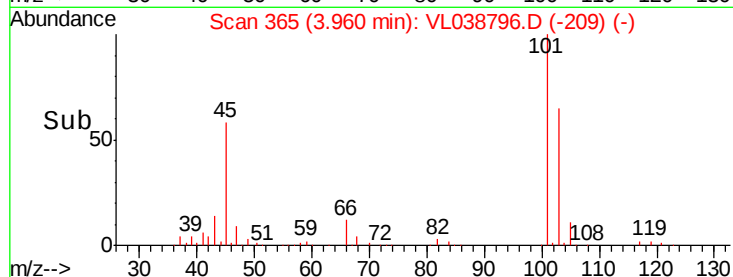
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 11.042 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL038796.D

Acq: 30 Mar 2022 15:25

Tgt Ion: 84 Resp: 322825

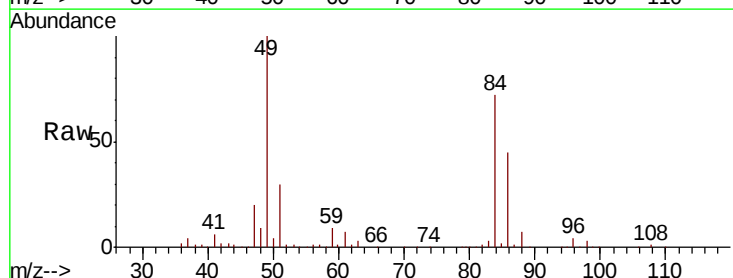
Ion Ratio Lower Upper

84 100

49 136.8 111.2 166.8

51 40.4 32.8 49.2

86 61.9 51.4 77.0



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

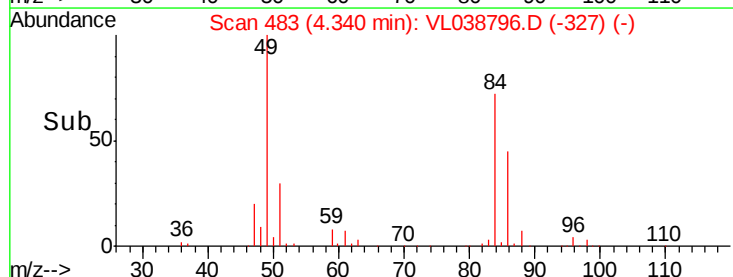
300000

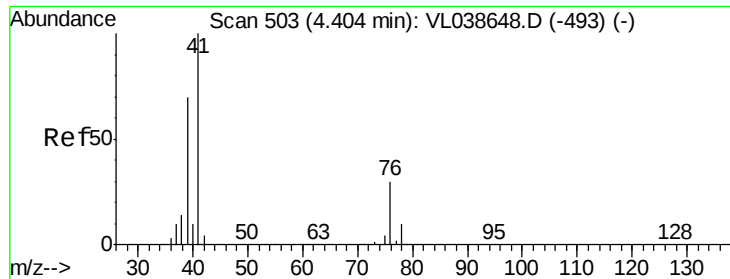
200000

100000

0

Time-->





#21

Allvl Chloride

Concen: 11.897 ppbv

RT: 4.41 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 15:25

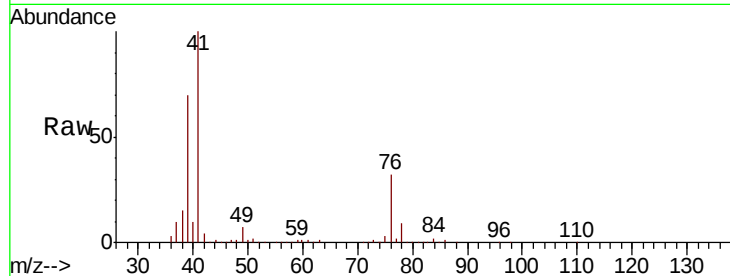
Tot Ion: 41 Resp: 594313

Ion Ratio Lower Upper

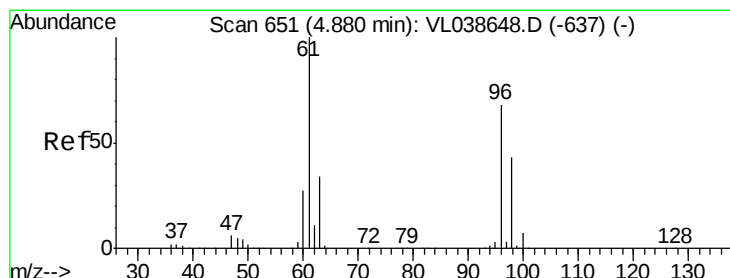
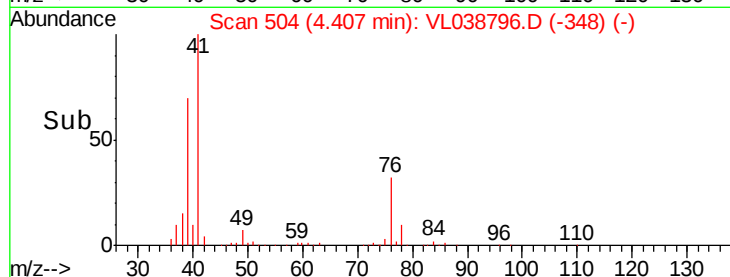
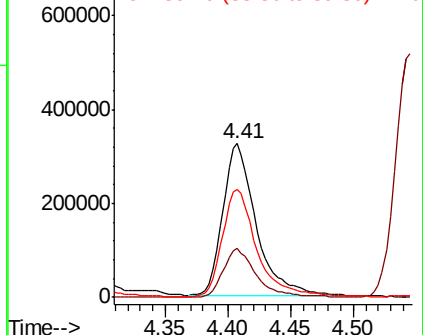
41 100

76 32.4 25.0 37.6

39 73.7 56.6 85.0



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: 12.619 ppbv

RT: 4.88 min Scan# 651

Delta R.T. -0.00 min

Lab File: VL038796.D

Acq: 30 Mar 2022 15:25

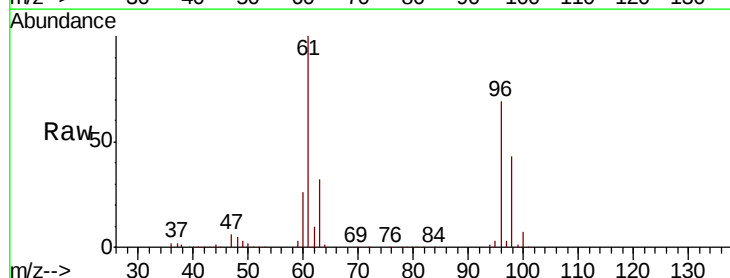
Tgt Ion: 96 Resp: 432026

Ion Ratio Lower Upper

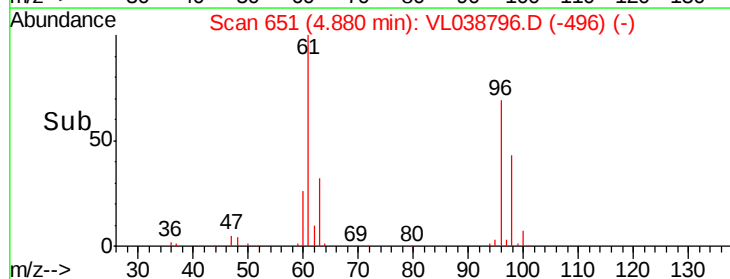
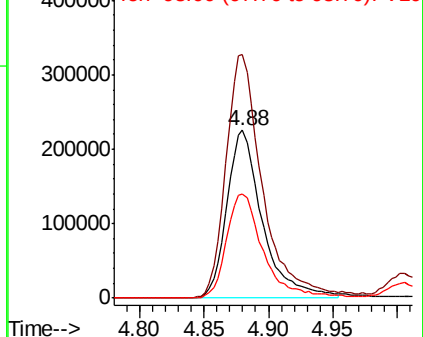
96 100

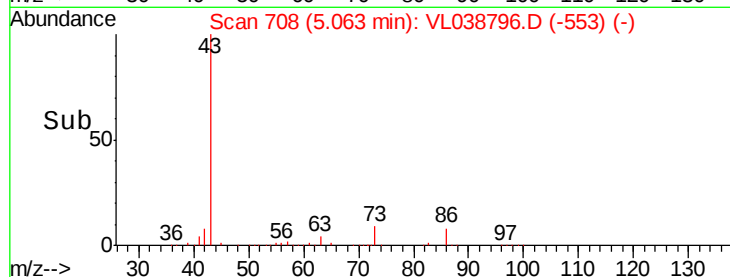
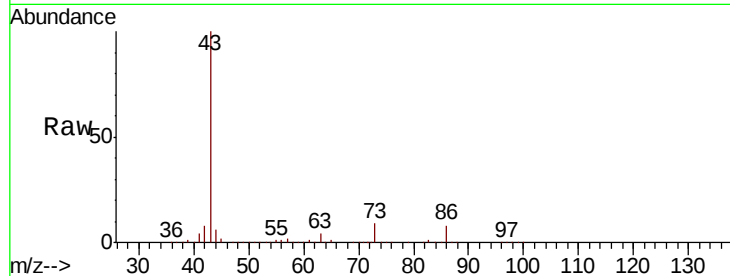
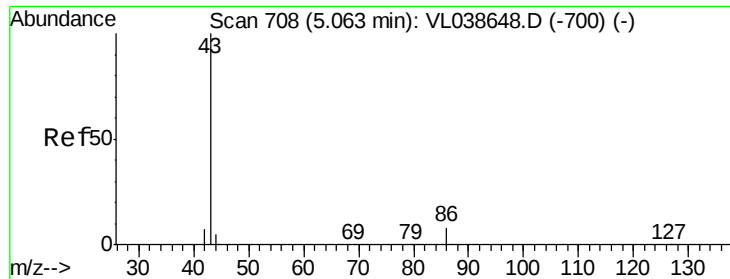
61 145.1 118.3 177.5

98 62.0 51.3 76.9



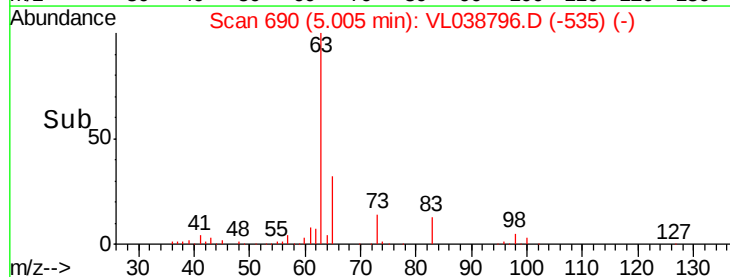
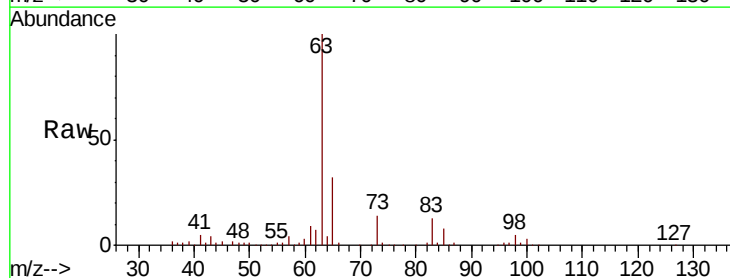
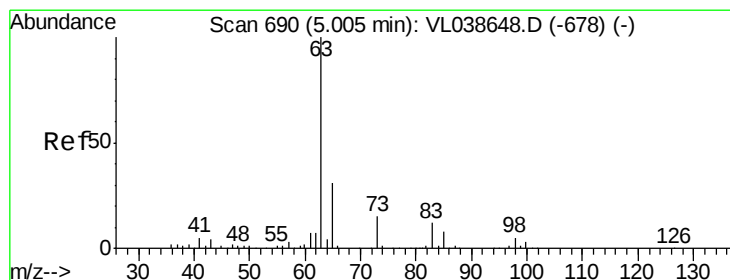
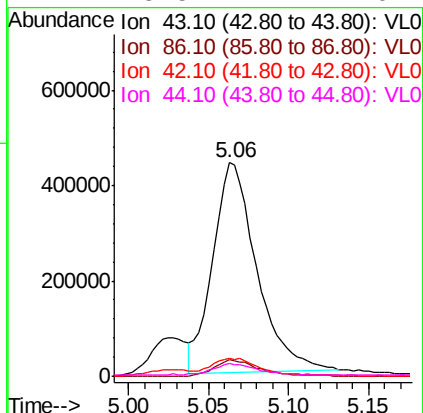
Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





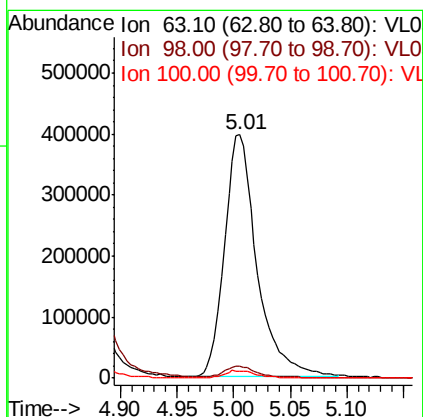
#23
 Vinyl Acetate
 Concen: 12.431 ppbv
 RT: 5.06
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 15:25

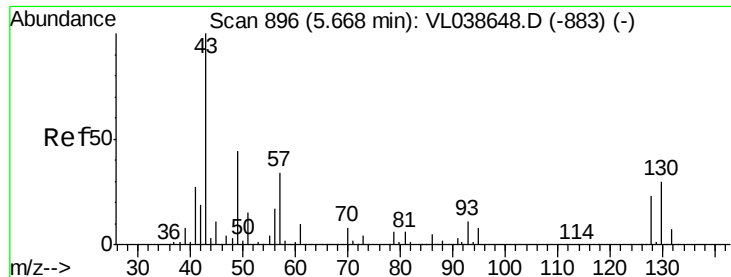
Tot Ion:	43	Resp:	835557
Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.6	8.4
42	8.1	6.8	10.2
44	5.5	4.2	6.2



#24
 1,1-Dichloroethane
 Concen: 12.024 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VL038796.D
 Acq: 30 Mar 2022 15:25

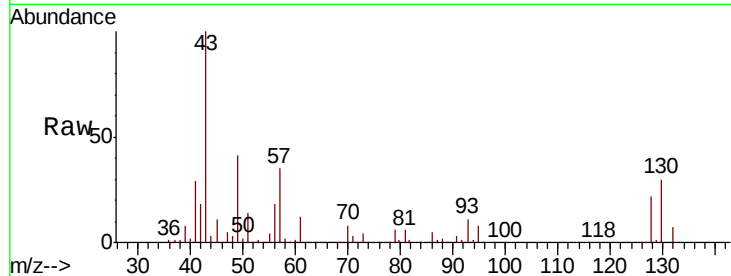
Tgt Ion:	63	Resp:	795927
Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.5	7.5
100	2.8	1.4	4.2





#25
Ethyl Acetate
Concen: 10.349 ppbv
RT: 5.67 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 30 Mar 2022 15:25

Tot Ion:	43	Resp:	1808355
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.2	12.4
61	11.2	8.3	12.5
70	7.4	5.6	8.4



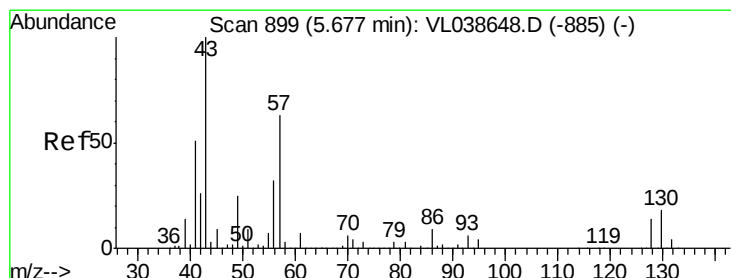
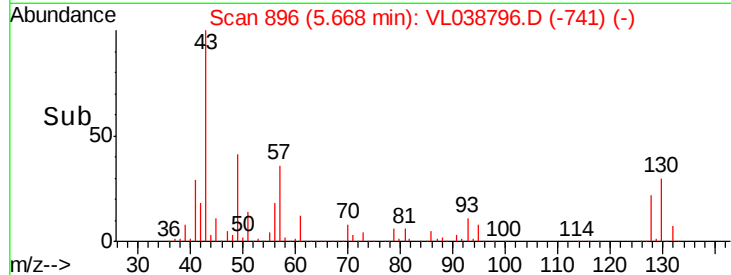
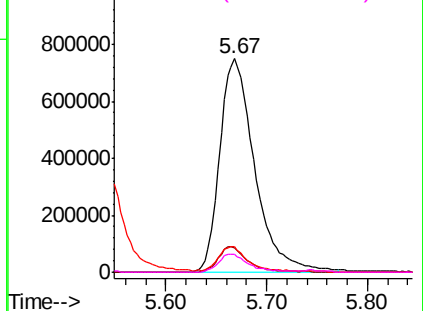
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

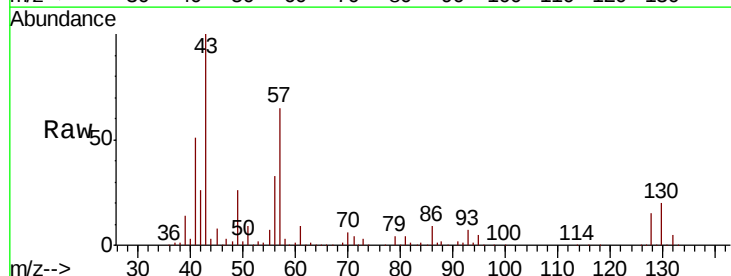
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.384 ppbv
RT: 5.68 min Scan# 899
Delta R.T.: -0.00 min
Lab File: VL038796.D
Acq: 30 Mar 2022 15:25

Tgt Ion:	57	Resp:	812320
Ion	Ratio	Lower	Upper
57	100		
41	82.3	67.0	100.4
43	224.3	184.2	276.2
56	53.4	42.6	64.0



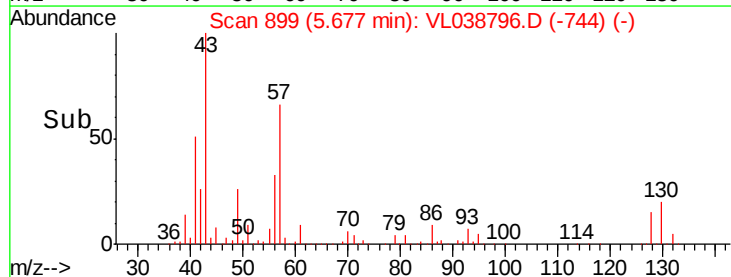
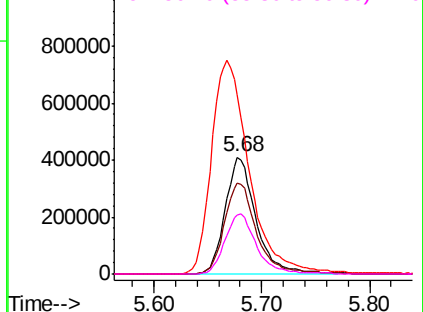
Abundance

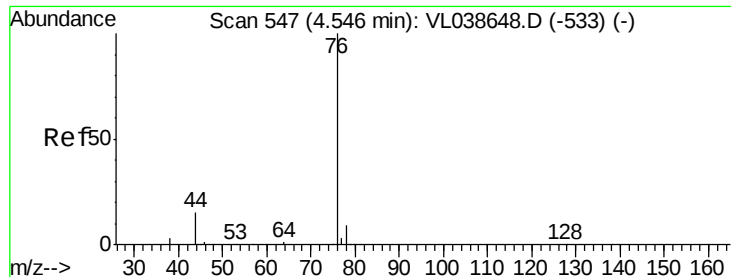
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

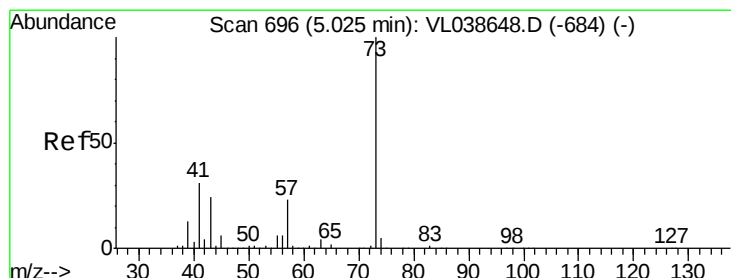
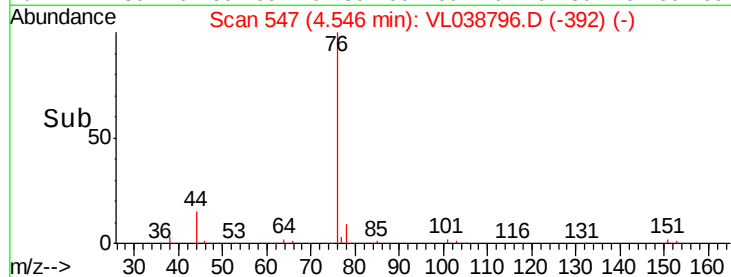
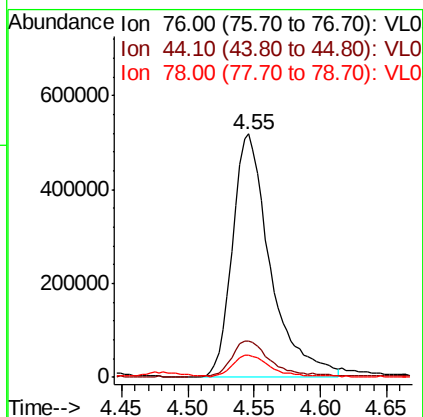
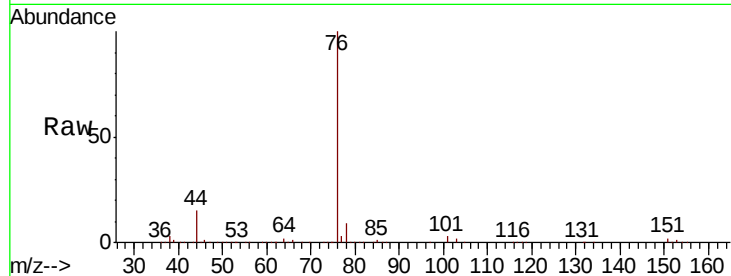
Ion 56.10 (55.80 to 56.80): VL0





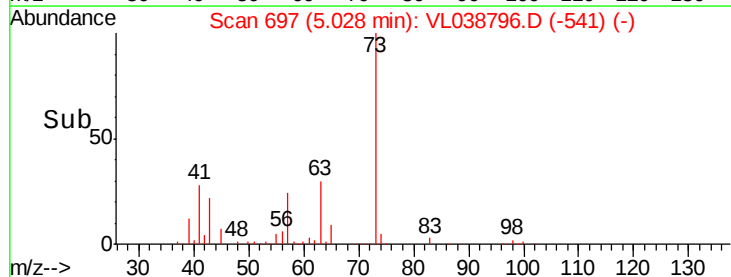
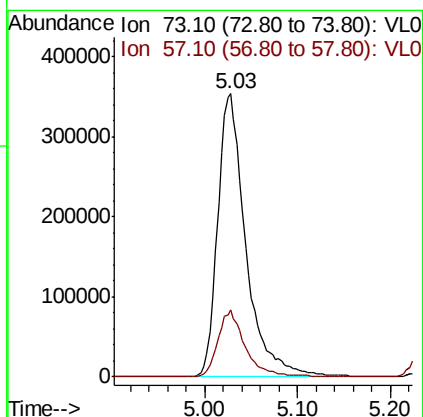
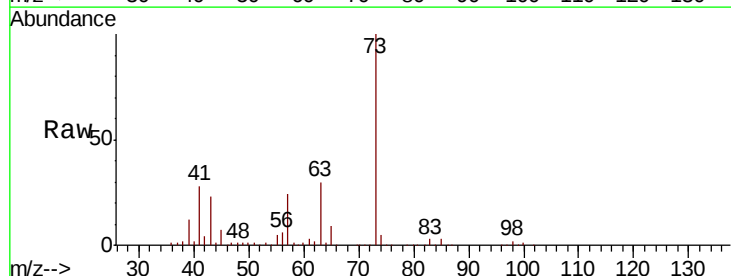
#27
 Carbon Disulfide
 Concen: 13.372 ppbv
 RT: 4.55 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 15:25

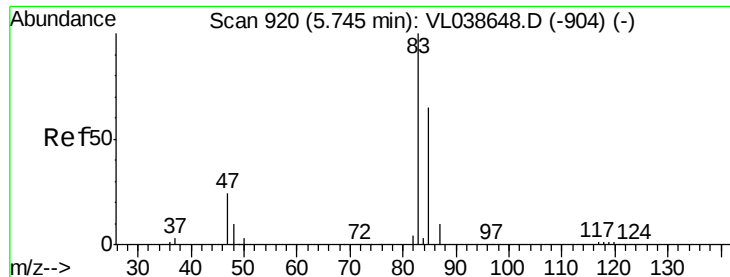
Tot Ion: 76 Resp: 1026157
 Ion Ratio Lower Upper
 76 100
 44 16.1 12.4 18.6
 78 10.0 7.8 11.8



#28
 Methyl tert-Butyl Ether
 Concen: 12.793 ppbv
 RT: 5.03 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: VL038796.D
 Acq: 30 Mar 2022 15:25

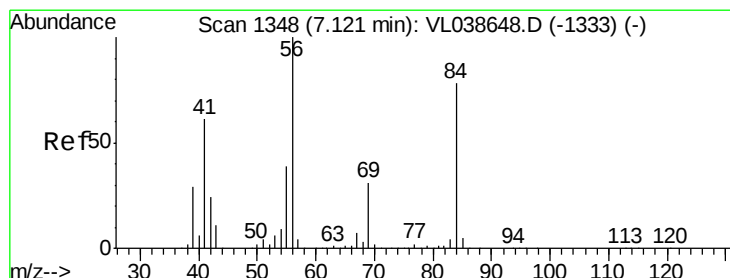
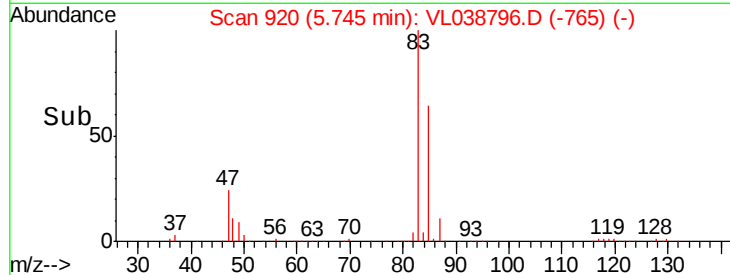
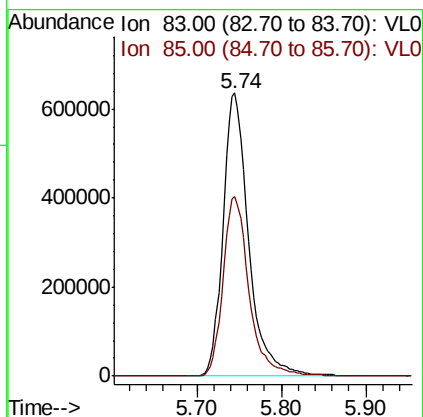
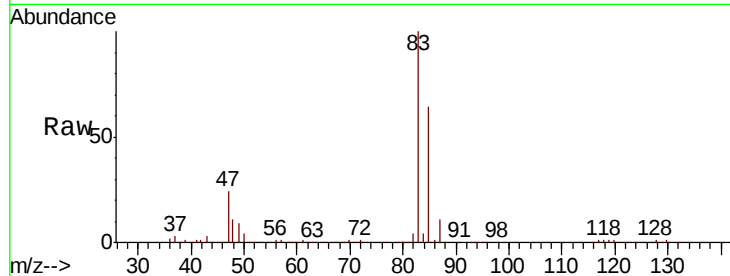
Tgt Ion: 73 Resp: 745472
 Ion Ratio Lower Upper
 73 100
 57 23.0 19.2 28.8





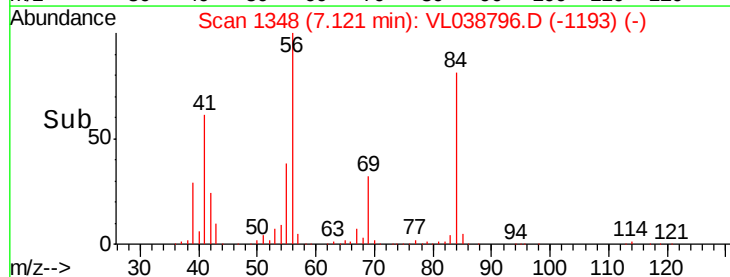
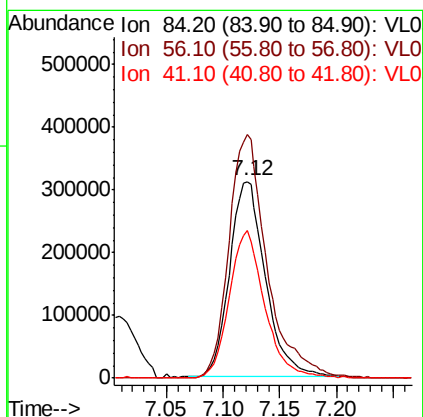
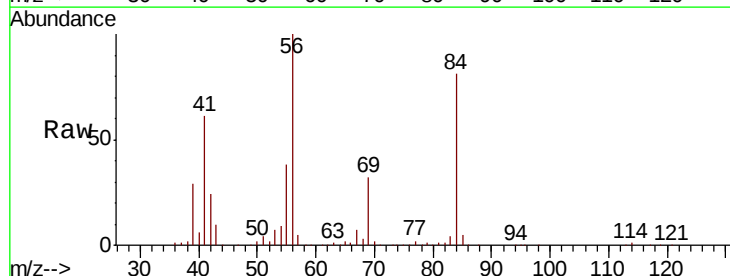
#29
Chloroform
Concen: 10.691 ppbv
RT: 5.74
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 30 Mar 2022 15:25

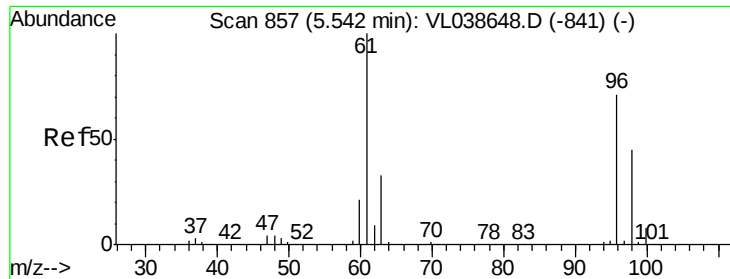
Tot Ion: 83 Resp: 1339127
Ion Ratio Lower Upper
83 100
85 63.5 51.7 77.5



#30
Cyclohexane
Concen: 10.090 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.00 min
Lab File: VL038796.D
Acq: 30 Mar 2022 15:25

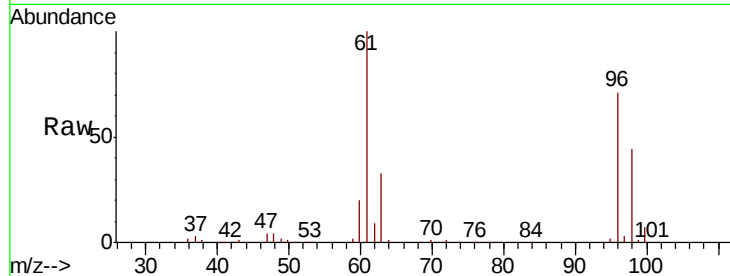
Tgt Ion: 84 Resp: 686334
Ion Ratio Lower Upper
84 100
56 133.4 108.2 162.4
41 75.3 61.8 92.6



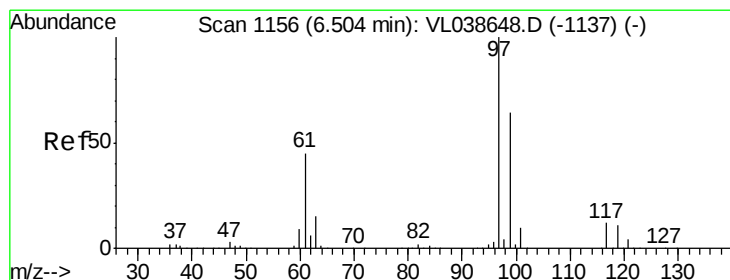
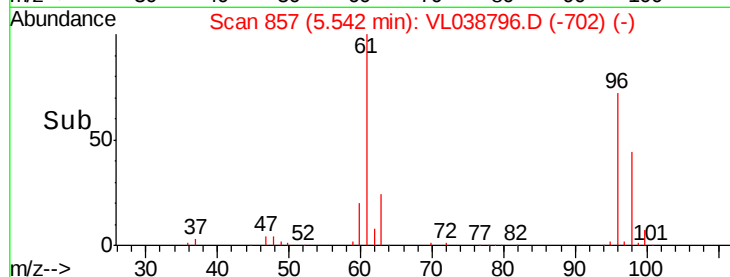
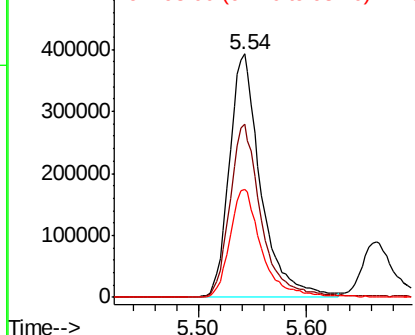


#31
 cis-1,2-Dichloroethene
 Concen: 10.833 ppbv
 RT: 5.54
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 15:25

Tot Ion: 61 Resp: 796845
 Ion Ratio Lower Upper
 61 100
 96 71.1 56.6 84.8
 98 44.3 36.3 54.5

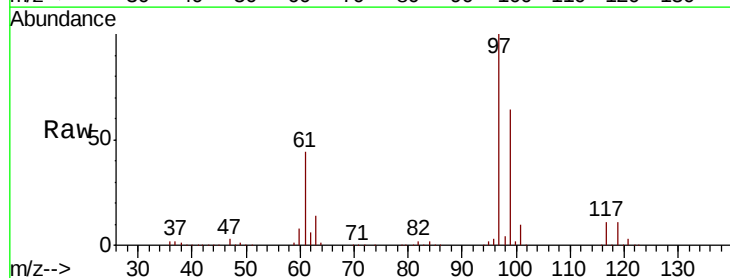


Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0

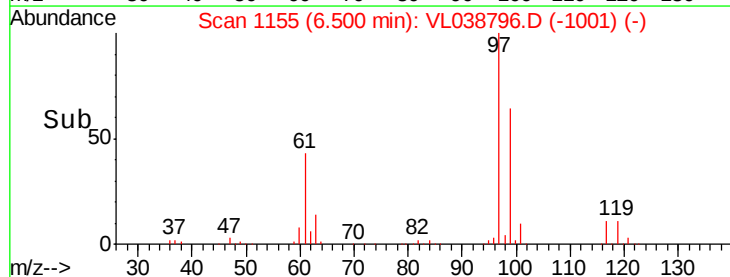
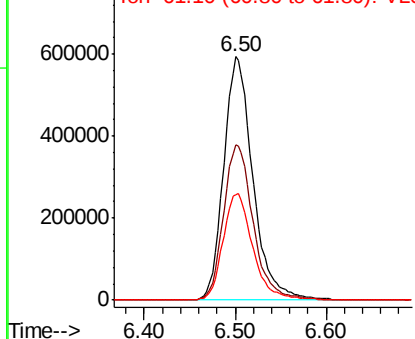


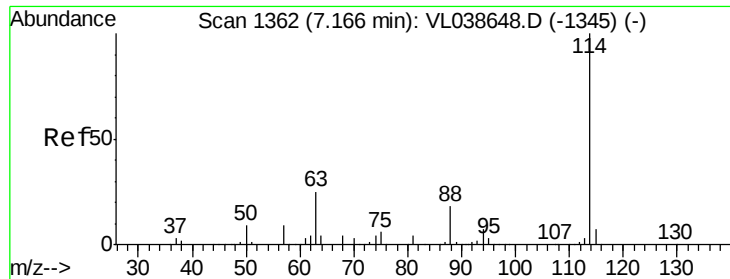
#32
 1,1,1-Trichloroethane
 Concen: 10.949 ppbv
 RT: 6.50 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VL038796.D
 Acq: 30 Mar 2022 15:25

Tgt Ion: 97 Resp: 1323411
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.8 77.8
 61 44.5 36.7 55.1



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

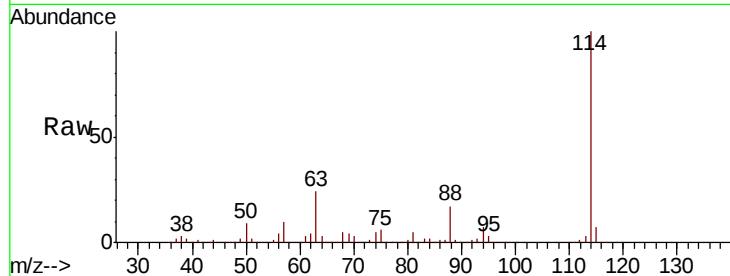




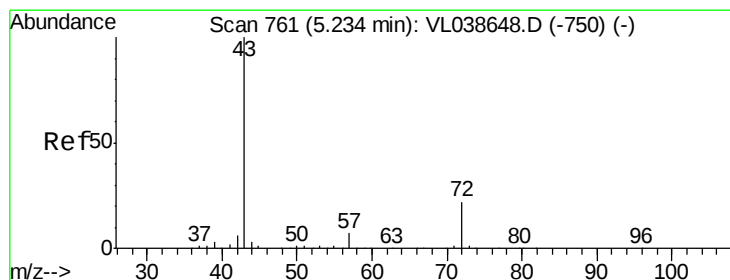
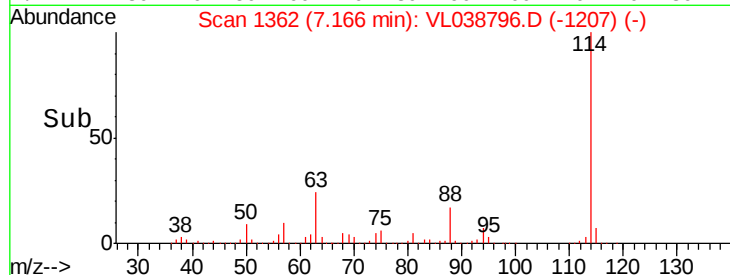
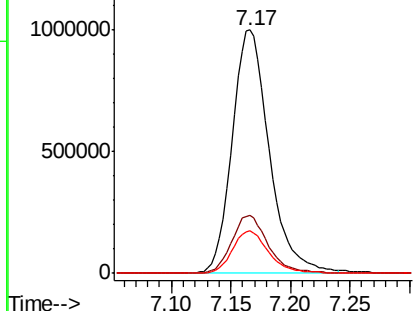
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 15:25

Tot Ion:114 Resp: 2163668

Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.4	29.0
88	17.2	13.9	20.9



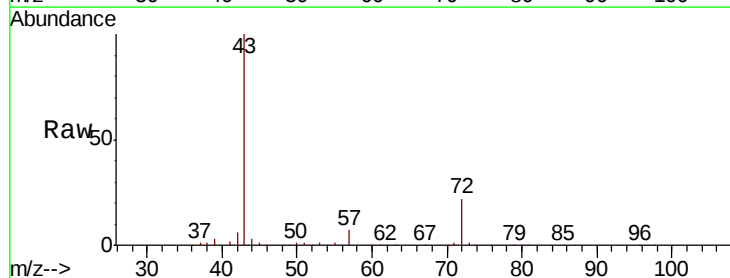
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



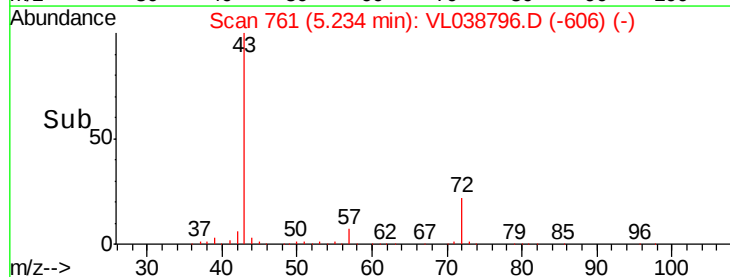
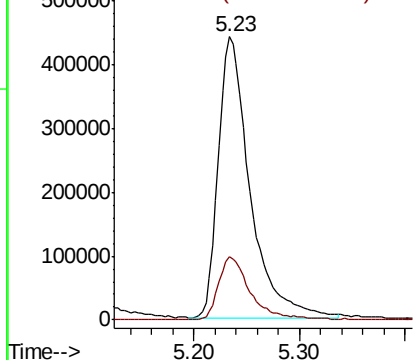
#34
 2-Butanone
 Concen: 10.726 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T.: -0.00 min
 Lab File: VL038796.D
 Acq: 30 Mar 2022 15:25

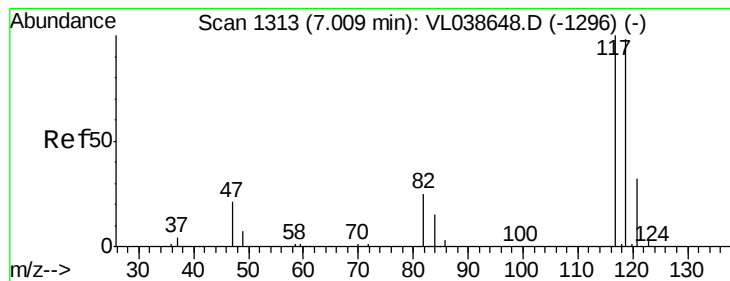
Tgt Ion: 43 Resp: 918526

Ion	Ratio	Lower	Upper
43	100		
72	22.9	17.8	26.8



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





#35

Carbon Tetrachloride

Concen: 11.133 ppbv

RT: 7.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 30 Mar 2022 15:25

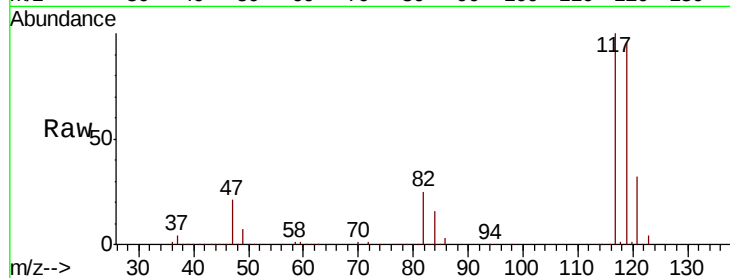
Tot Ion:117 Resp: 1397697

Ion Ratio Lower Upper

117 100

119 96.1 78.1 117.1

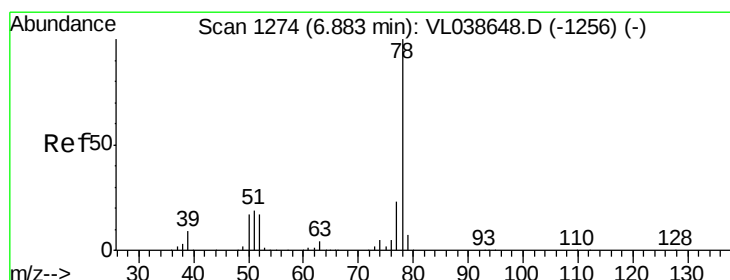
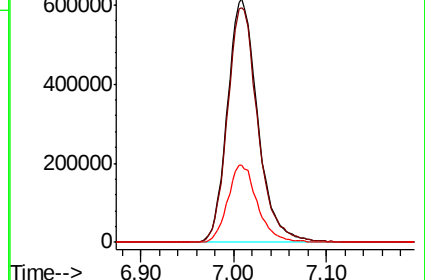
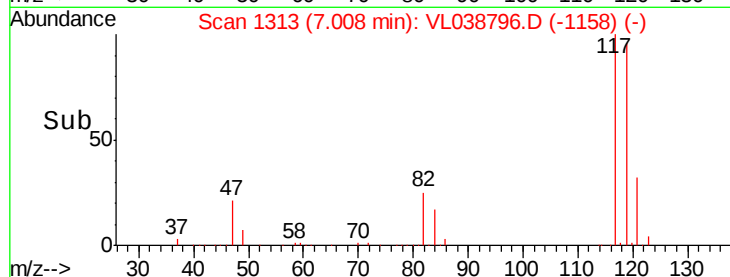
121 31.6 25.8 38.6



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: 10.260 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VL038796.D

Acq: 30 Mar 2022 15:25

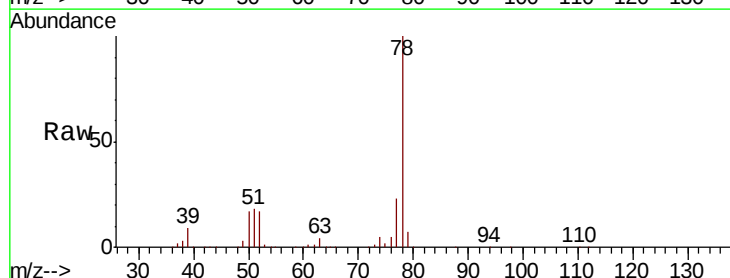
Tgt Ion: 78 Resp: 1713271

Ion Ratio Lower Upper

78 100

77 22.8 18.1 27.1

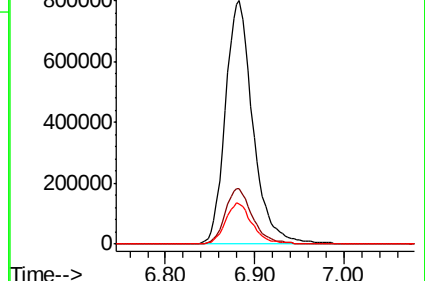
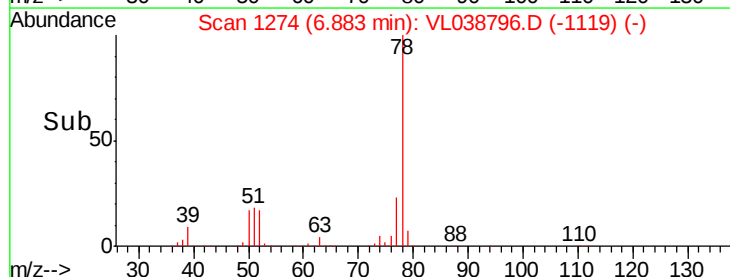
50 16.6 13.6 20.4

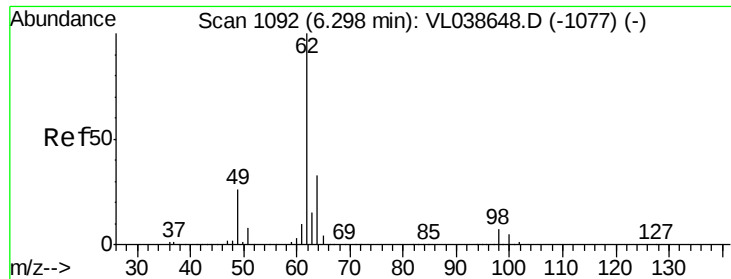


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

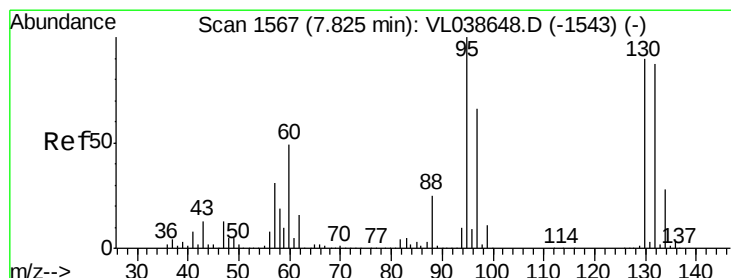
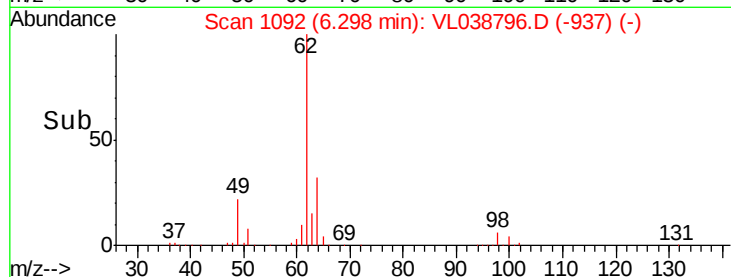
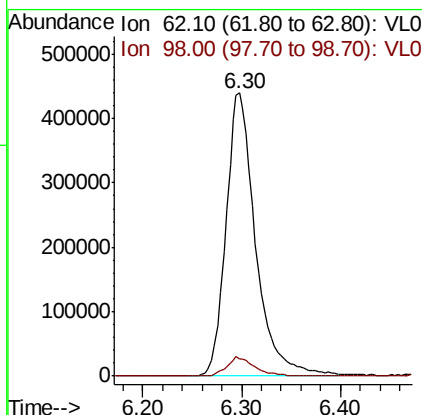
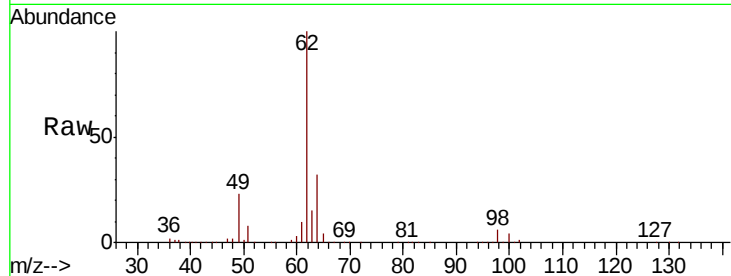
Ion 50.10 (49.80 to 50.80): VL0





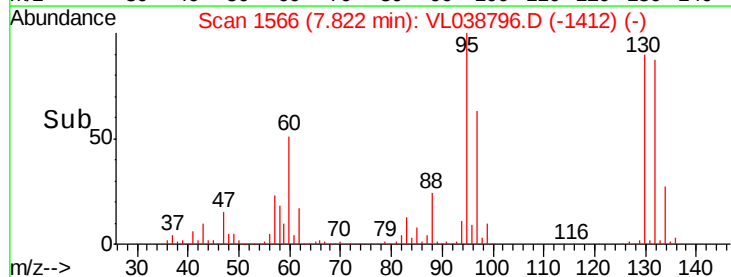
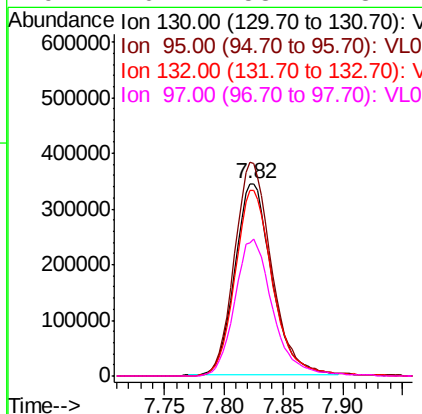
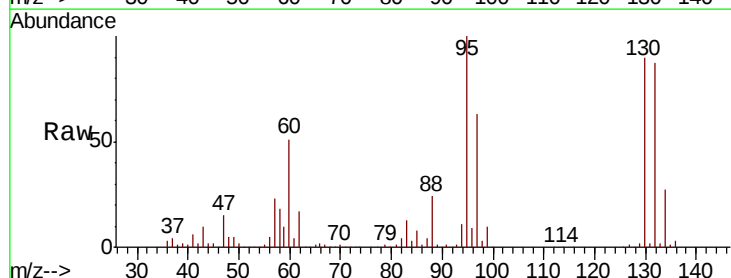
#37
 1,2-Dichloroethane
 Concen: 10.848 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 15:25

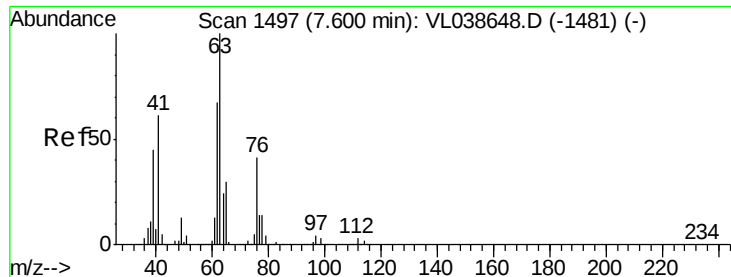
Tot Ion	62	Resp	921475
Ion Ratio	100		
Lower	5.6		
Upper	8.4		



#38
 Trichloroethene
 Concen: 10.651 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VL038796.D
 Acq: 30 Mar 2022 15:25

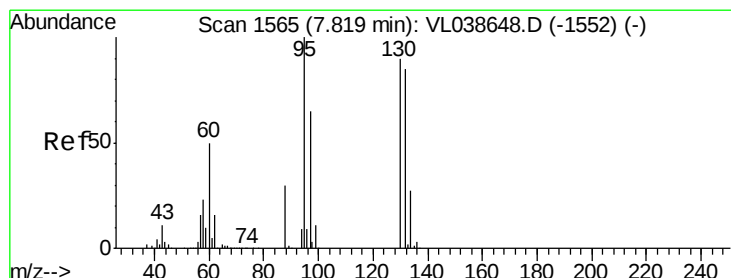
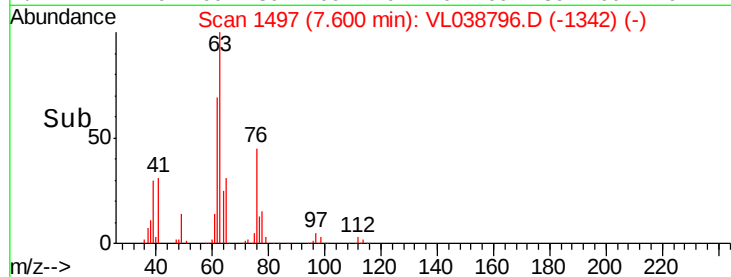
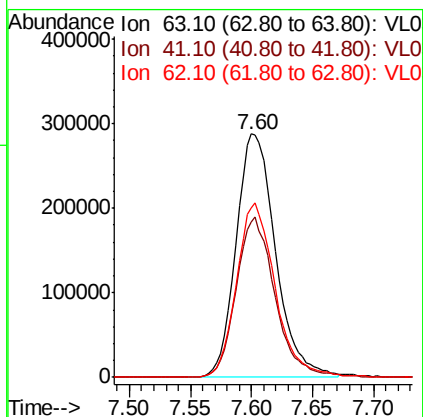
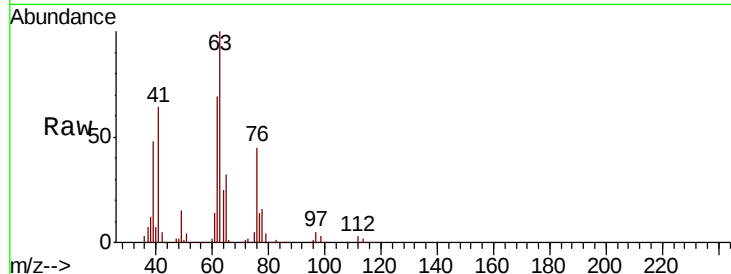
Tgt Ion	130	Resp	745074
Ion Ratio	100		
Lower	88.9		
Upper	133.3		
95	112.5		
132	97.9		
97	70.4		





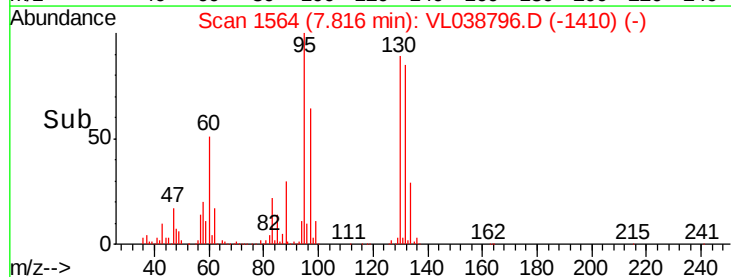
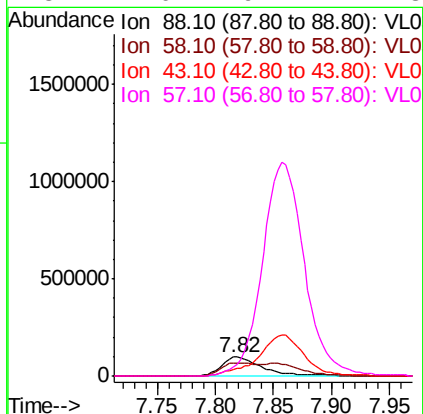
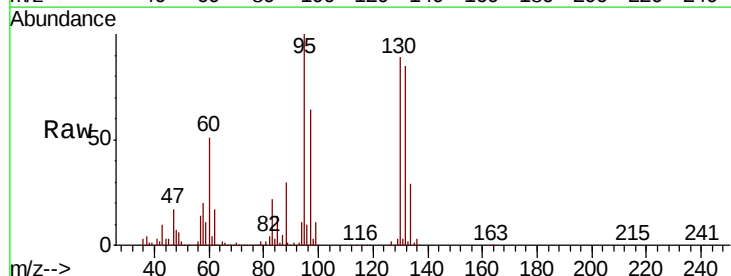
#39
 1,2-Dichloropropane
 Concen: 9.871 ppbv
 RT: 7.60 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 15:25

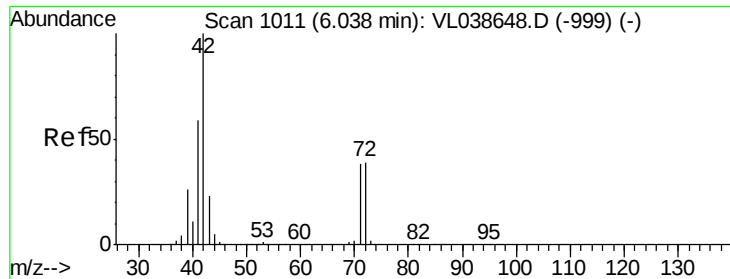
Tot Ion:	63	Resp:	644395
Ion	Ratio	Lower	Upper
63	100		
41	63.9	49.0	73.6
62	69.3	53.9	80.9



#40
 1,4-Dioxane
 Concen: 10.172 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VL038796.D
 Acq: 30 Mar 2022 15:25

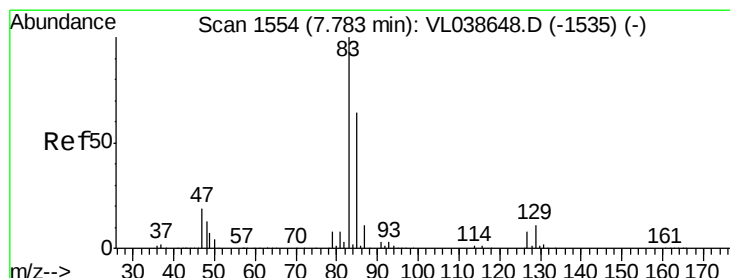
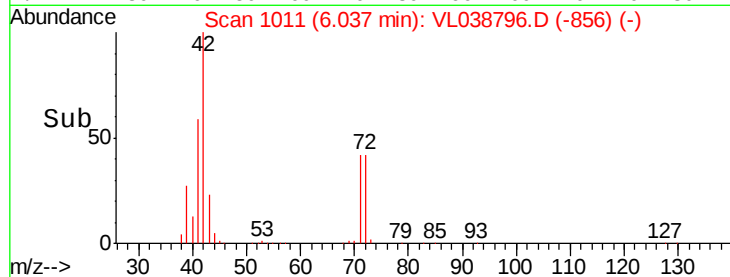
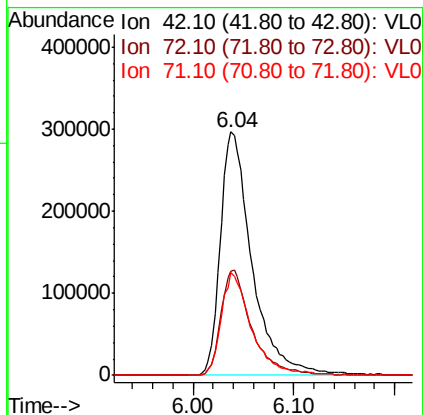
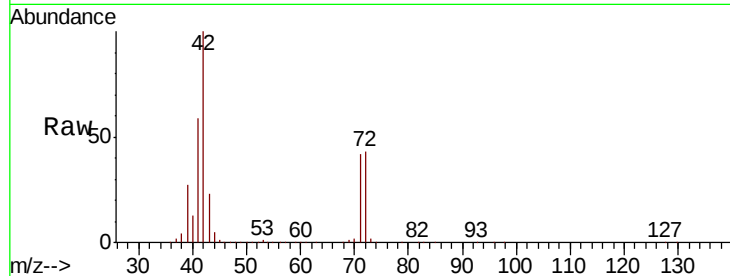
Tgt Ion:	88	Resp:	230608
Ion	Ratio	Lower	Upper
88	100		
58	130.0	105.6	158.4
43	252.0	201.9	302.9
57	1210.1	942.1	1413.1





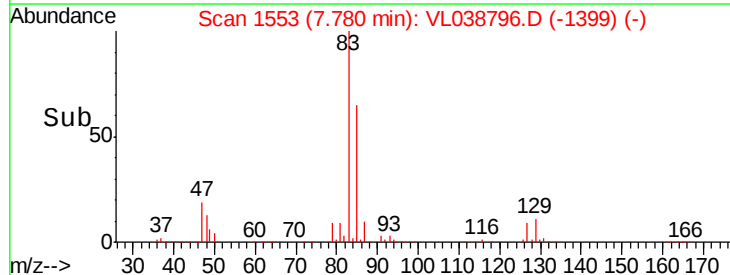
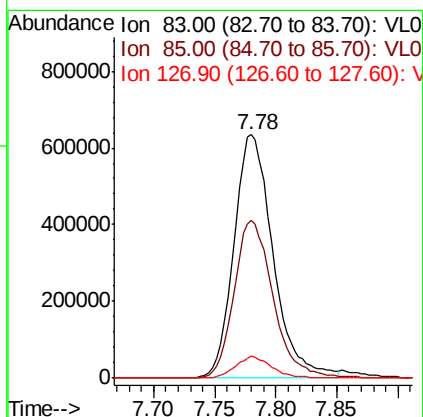
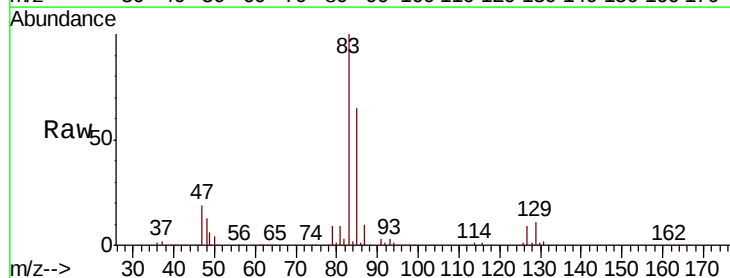
#41
Tetrahydrofuran
Concen: 10.171 ppbv
RT: 6.04
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 30 Mar 2022 15:25

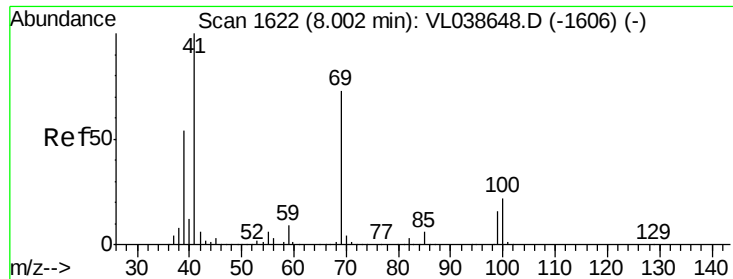
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	32.5	48.7
71	40.9	31.4	47.2



#42
Bromodichloromethane
Concen: 11.073 ppbv
RT: 7.78 min Scan# 1553
Delta R.T.: -0.00 min
Lab File: VL038796.D
Acq: 30 Mar 2022 15:25

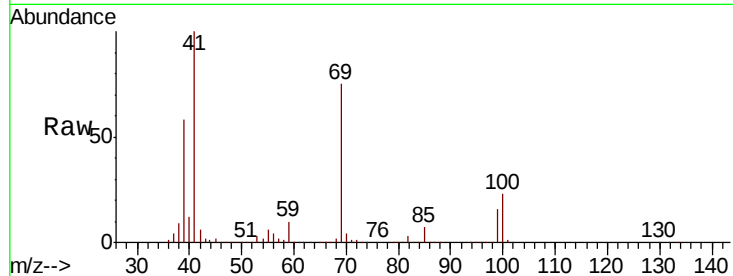
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.1	76.7
127	9.0	6.5	9.7



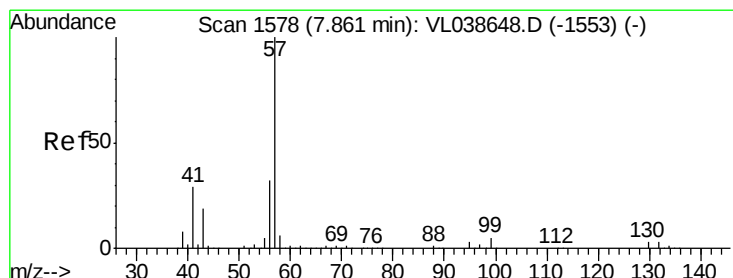
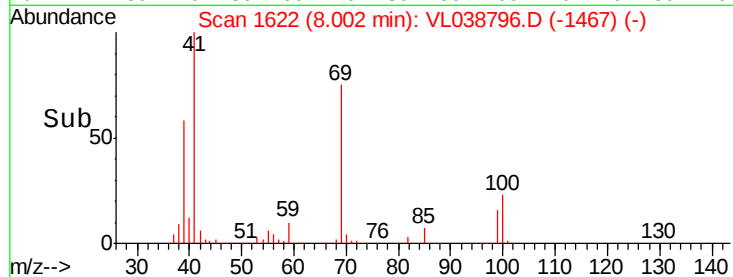
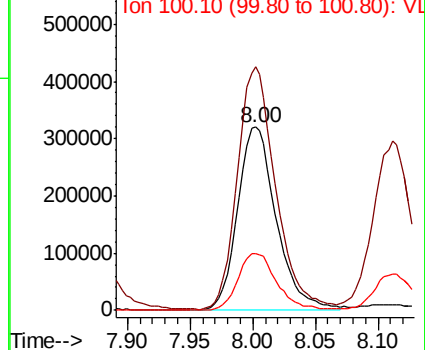


#43
Methyl Methacrylate
Concen: 11.085 ppbv
RT: 8.00
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 30 Mar 2022 15:25

Tot Ion	69	Resp	687227
Ion Ratio	Lower	Upper	
69	100		
41	132.2	110.3	165.5
100	31.0	24.8	37.2

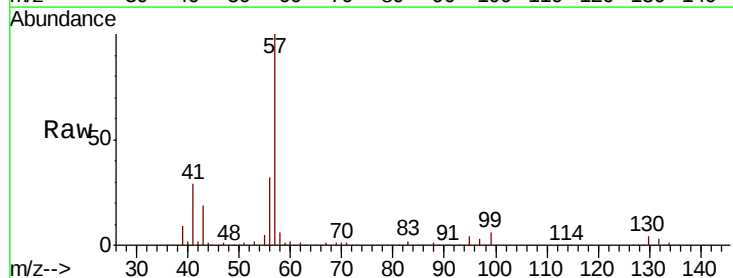


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

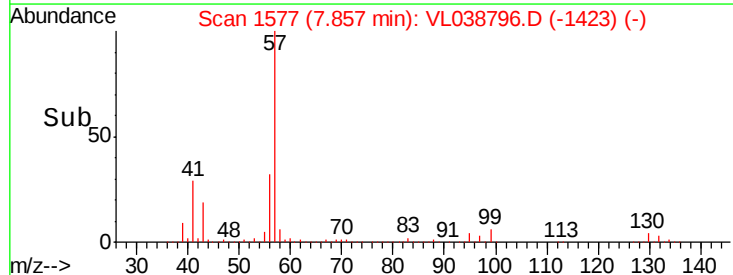
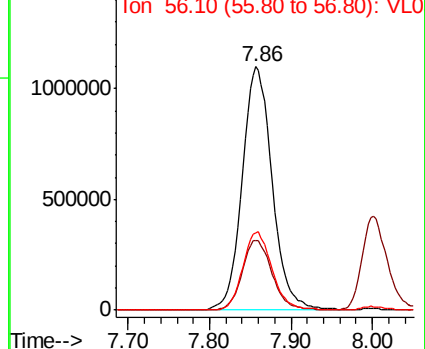


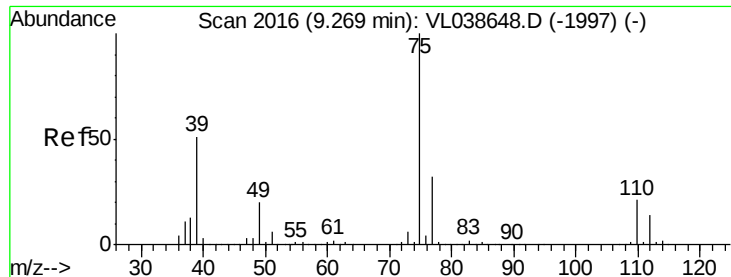
#44
2,2,4-Trimethylpentane
Concen: 9.943 ppbv
RT: 7.86 min Scan# 1577
Delta R.T.: -0.00 min
Lab File: VL038796.D
Acq: 30 Mar 2022 15:25

Tgt Ion	57	Resp	2787770
Ion Ratio	Lower	Upper	
57	100		
41	28.6	23.0	34.4
56	31.2	25.3	37.9



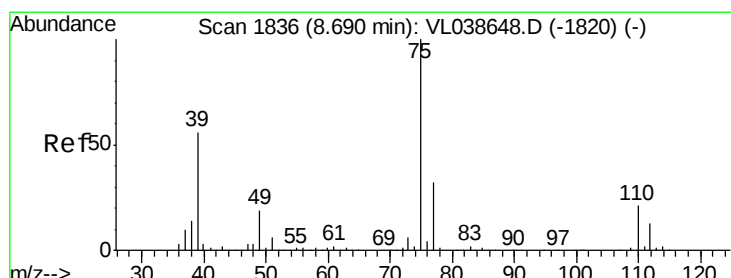
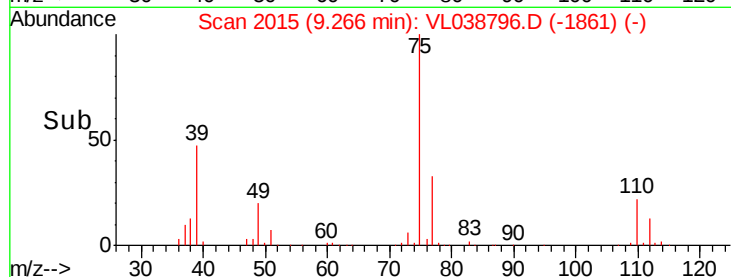
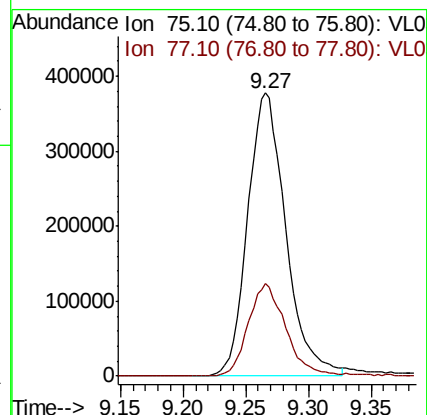
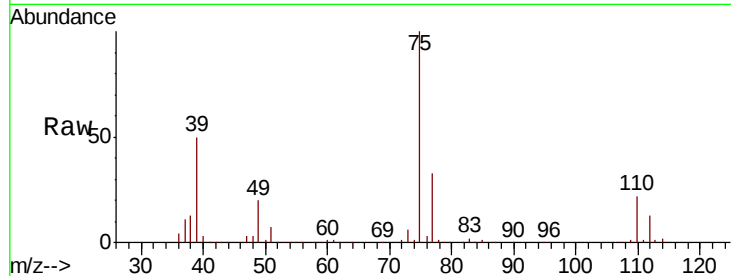
Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





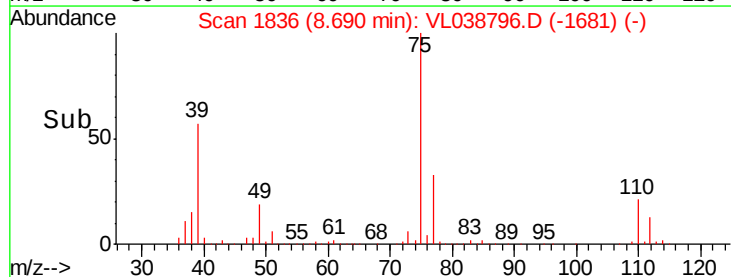
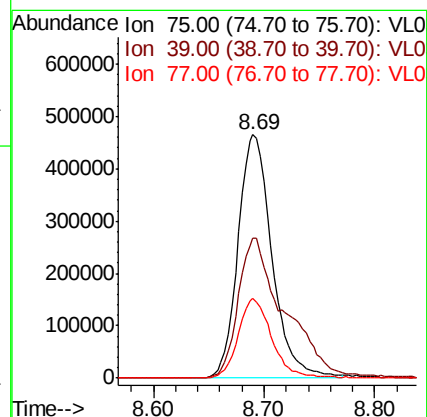
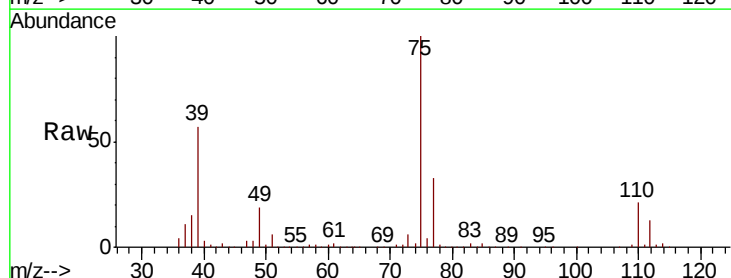
#45
 t-1,3-Dichloropropene
 Concen: 12.646 ppbv
 RT: 9.27
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 15:25

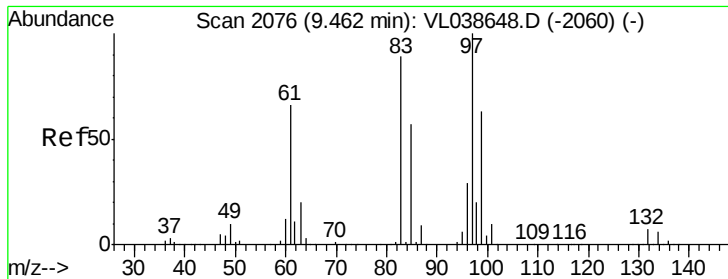
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.5	38.3



#46
 cis-1,3-Dichloropropene
 Concen: 11.674 ppbv
 RT: 8.69 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VL038796.D
 Acq: 30 Mar 2022 15:25

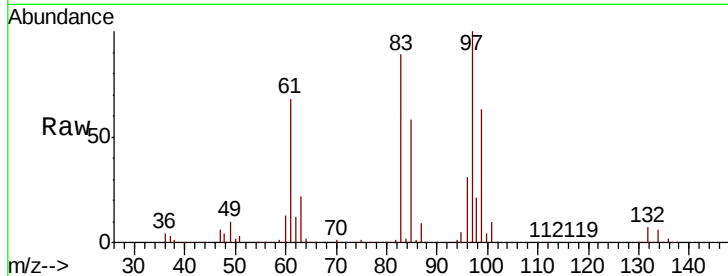
Tgt Ion	Ratio	Lower	Upper
75	100		
39	57.2	44.8	67.2
77	32.8	25.4	38.0





#47
 1,1,2-Trichloroethane
 Concen: 10.182 ppbv
 RT: 9.46 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 15:25

Tot Ion:	97	Resp:	709641
Ion	Ratio	Lower	Upper
97	100		
83	89.3	71.2	106.8
85	57.6	45.3	67.9
99	62.6	50.6	76.0



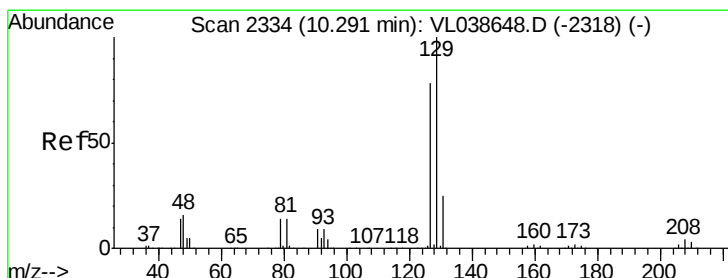
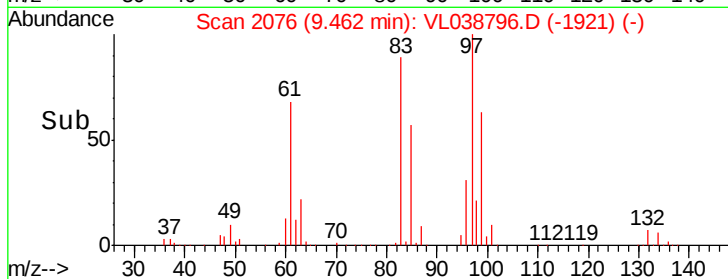
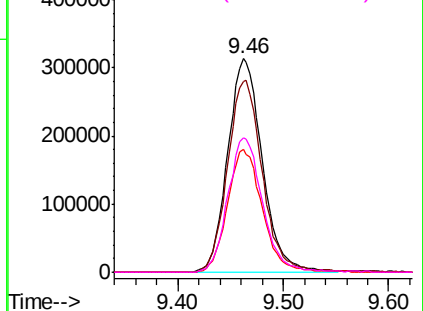
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

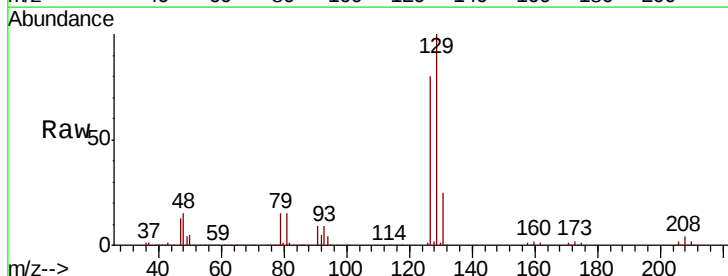
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 11.593 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.00 min
 Lab File: VL038796.D
 Acq: 30 Mar 2022 15:25

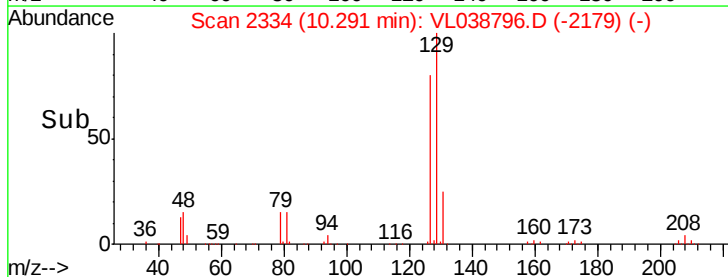
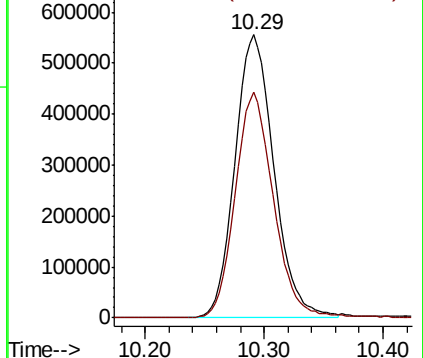
Tgt Ion:	129	Resp:	1265614
Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.5	118.5

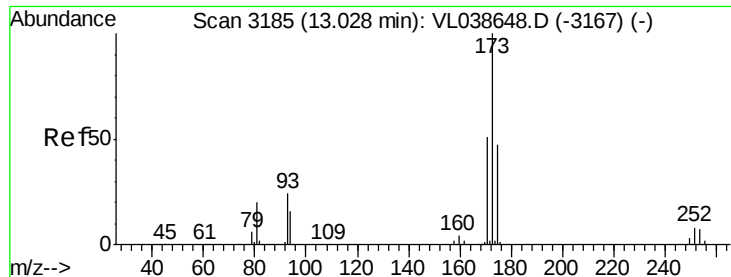


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.791 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File:

Acq: 30 Mar 2022 15:25

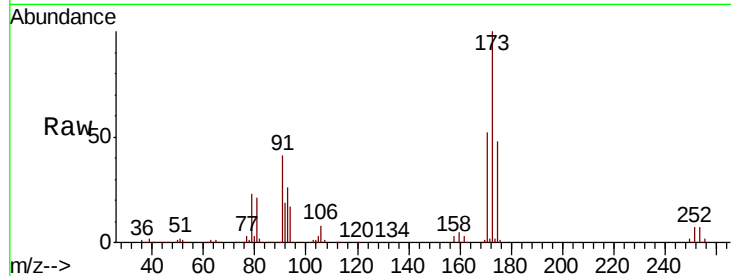
Tot Ion:173 Resp: 1049148

Ion Ratio Lower Upper

173 100

175 50.9 41.0 61.6

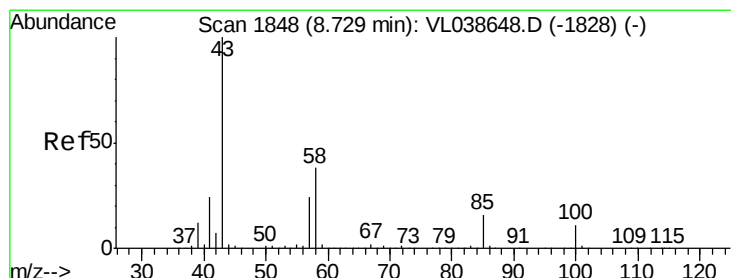
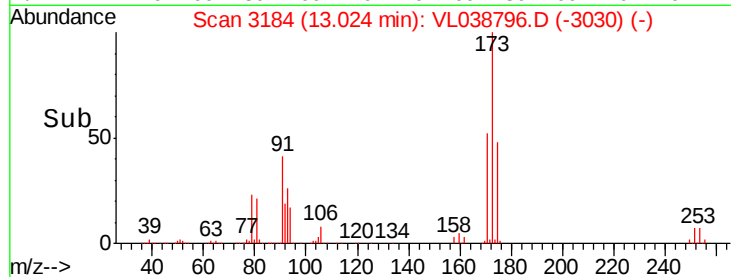
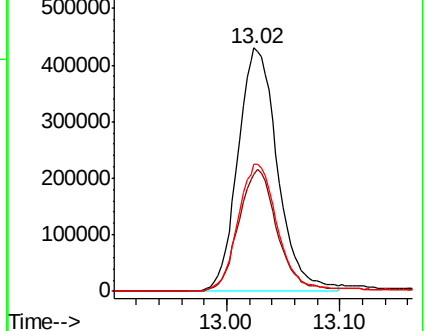
171 54.1 43.1 64.7



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: 10.280 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VL038796.D

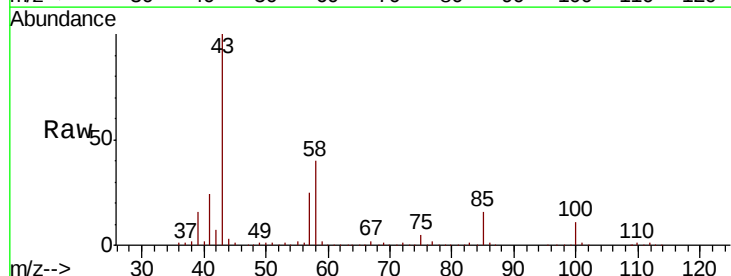
Acq: 30 Mar 2022 15:25

Tgt Ion: 43 Resp: 1636663

Ion Ratio Lower Upper

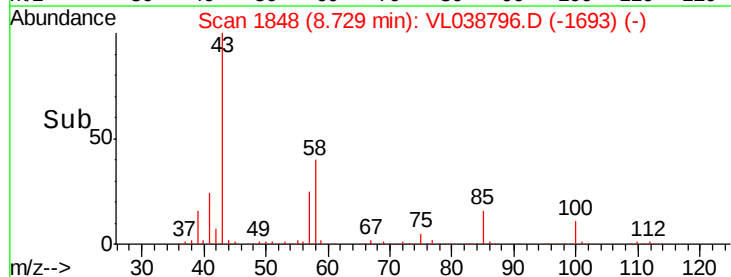
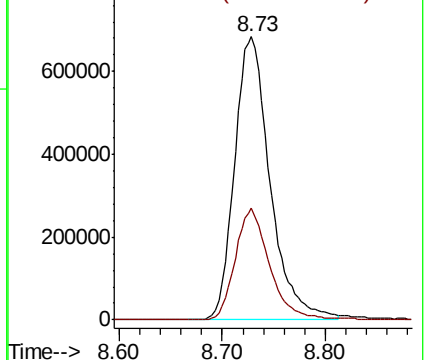
43 100

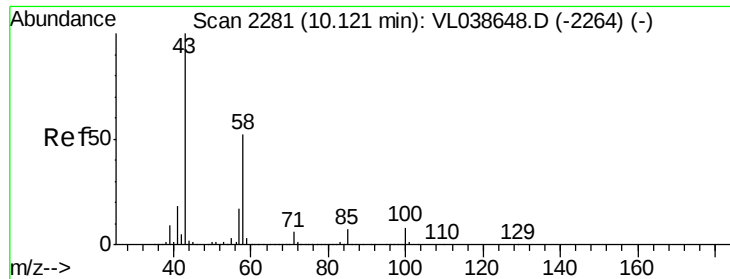
58 38.6 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

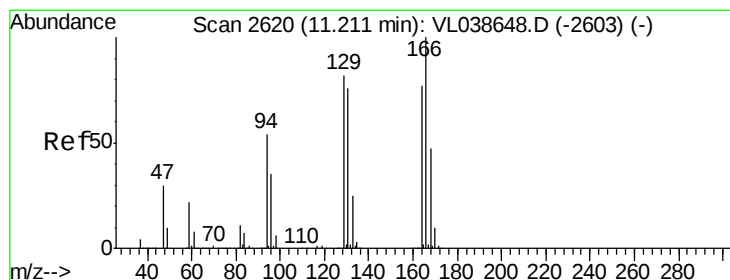
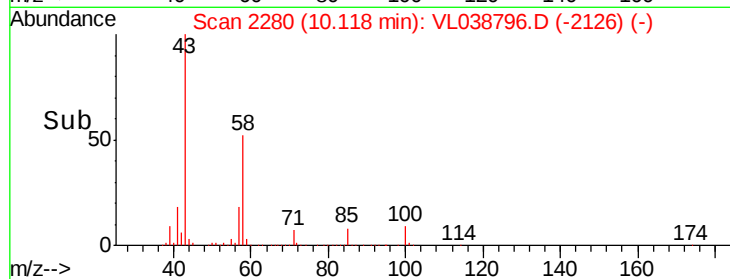
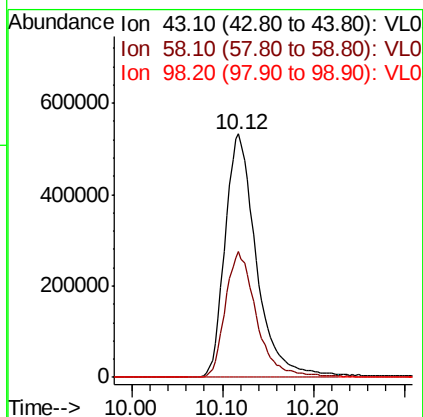
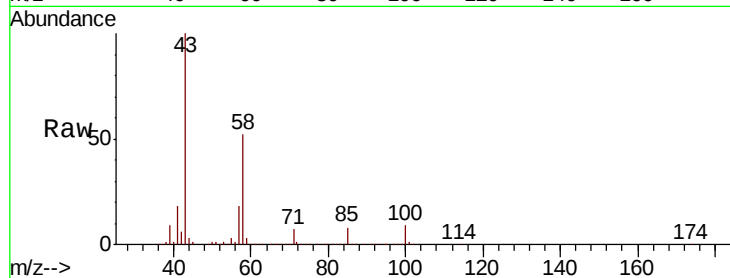
Ion 58.10 (57.80 to 58.80): VL0





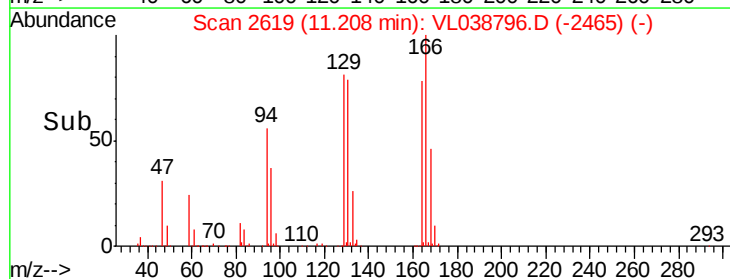
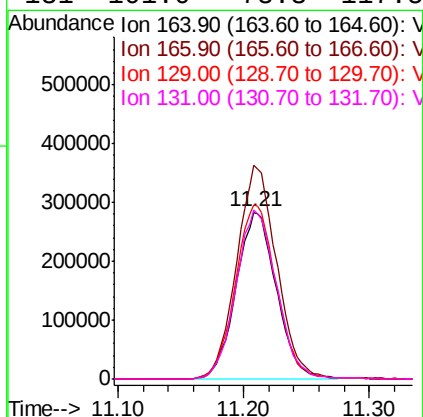
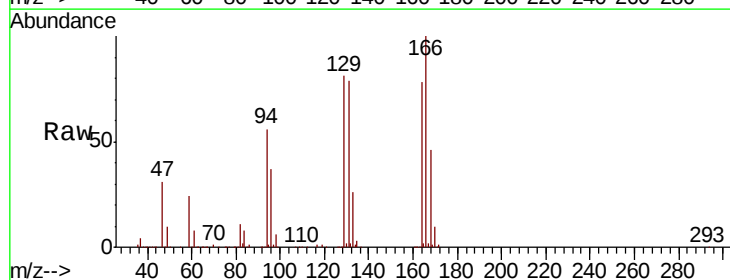
#51
2-Hexanone
Concen: 11.170 ppbv
RT: 10.12 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 30 Mar 2022 15:25

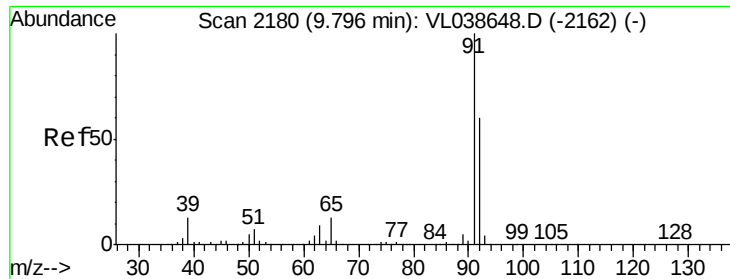
Tot Ion: 43 Resp: 1277390
Ion Ratio Lower Upper
43 100
58 51.8 41.2 61.8
98 0.4 0.2 0.4#



#52
Tetrachloroethene
Concen: 10.308 ppbv
RT: 11.21 min Scan# 2619
Delta R.T.: -0.00 min
Lab File: VL038796.D
Acq: 30 Mar 2022 15:25

Tgt Ion: 164 Resp: 629883
Ion Ratio Lower Upper
164 100
166 128.2 103.3 154.9
129 104.2 85.2 127.8
131 101.0 78.3 117.5





#53

Toluene

Concen: 10.933 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

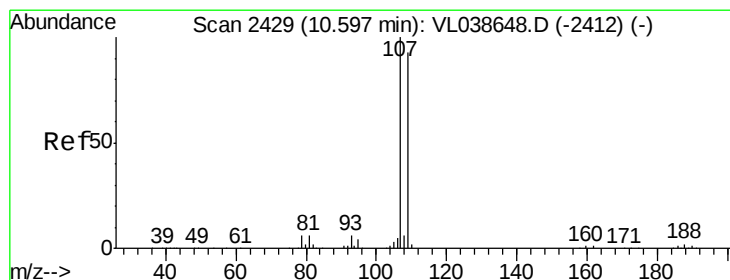
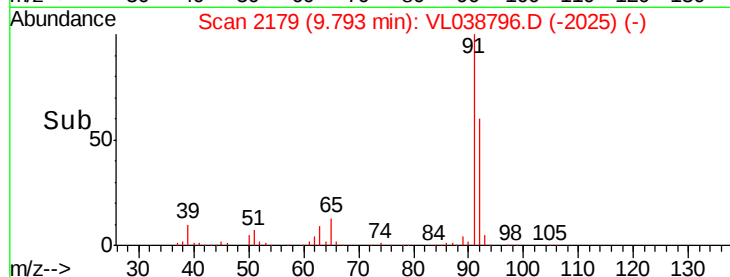
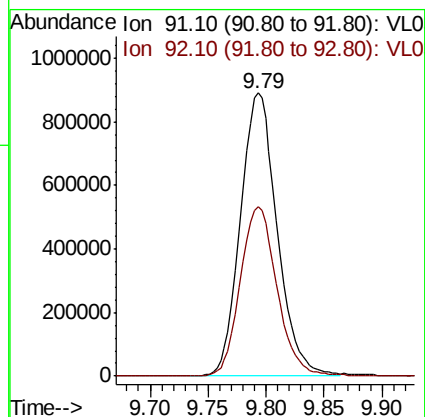
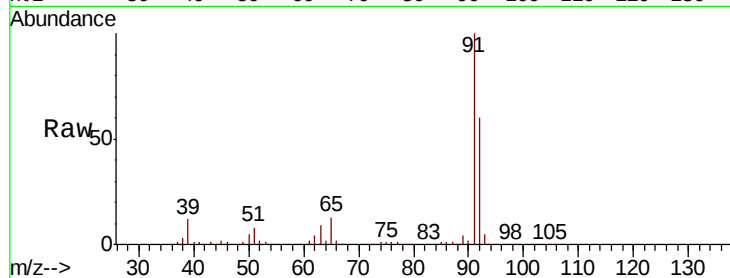
Acq: 30 Mar 2022 15:25

Tot Ion: 91 Resp: 1961722

Ion Ratio Lower Upper

91 100

92 60.3 48.7 73.1



#54

1,2-Dibromoethane

Concen: 11.027 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VL038796.D

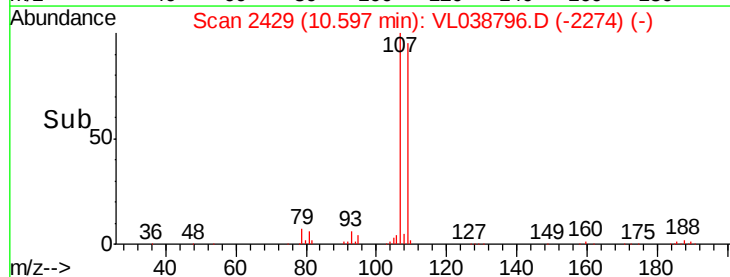
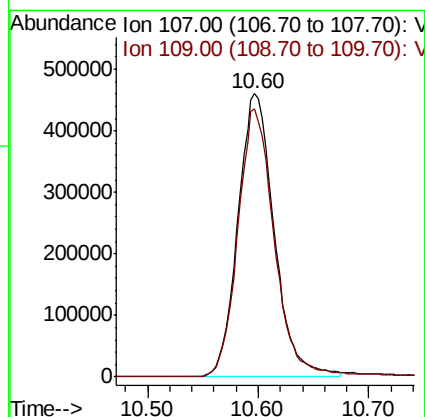
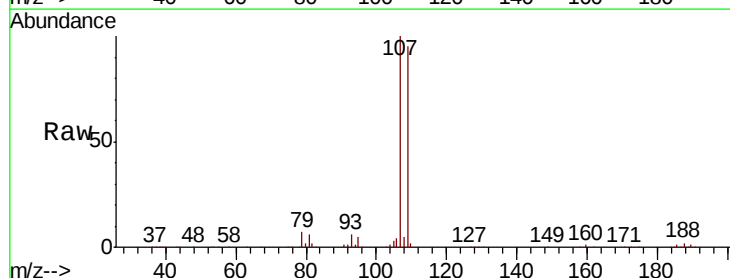
Acq: 30 Mar 2022 15:25

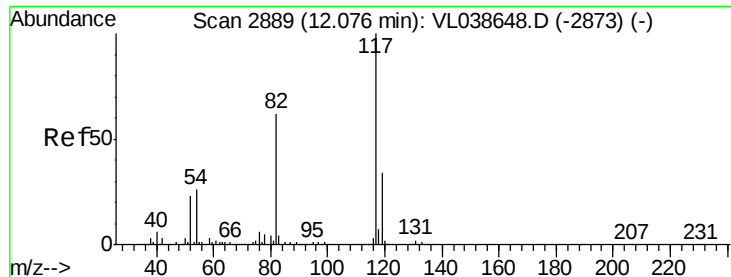
Tgt Ion:107 Resp: 1049433

Ion Ratio Lower Upper

107 100

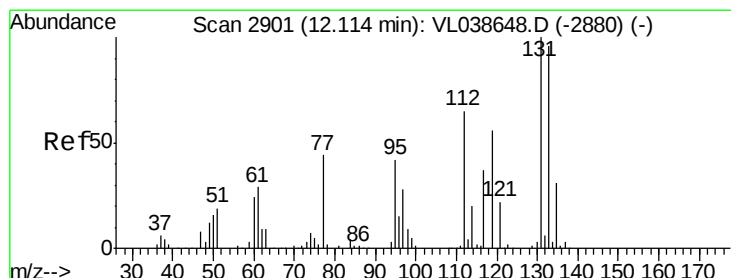
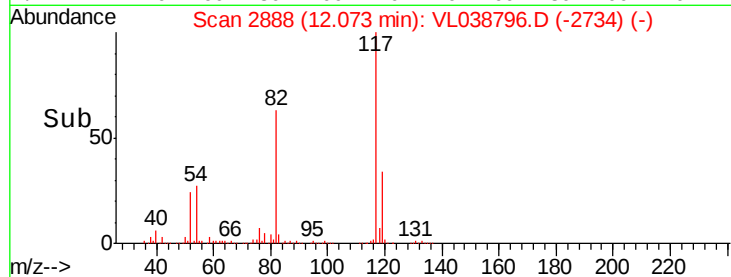
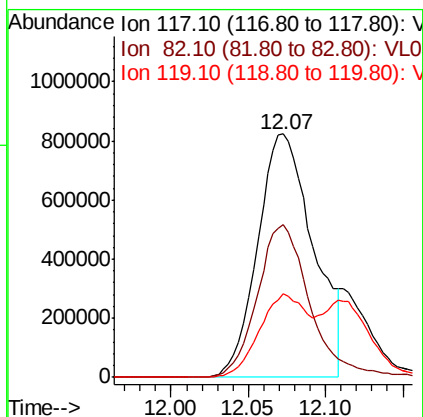
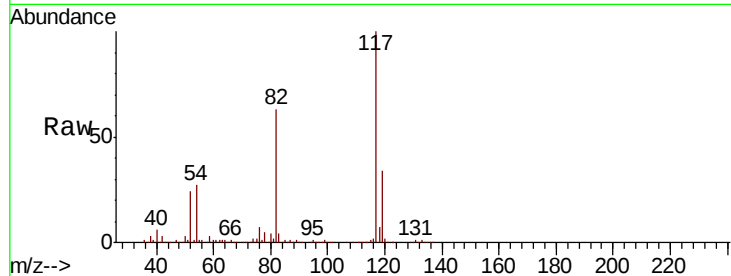
109 94.6 74.1 111.1





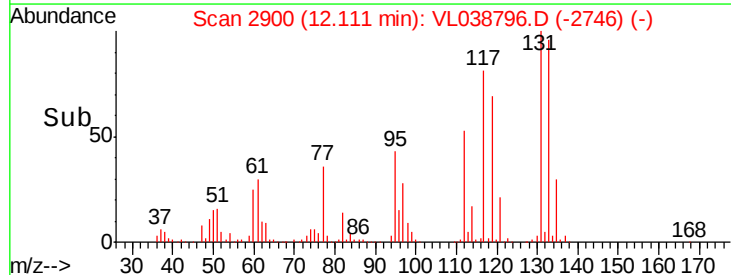
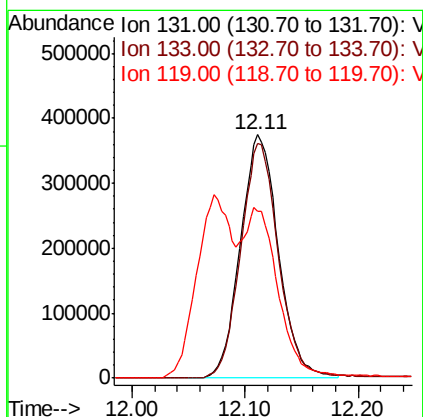
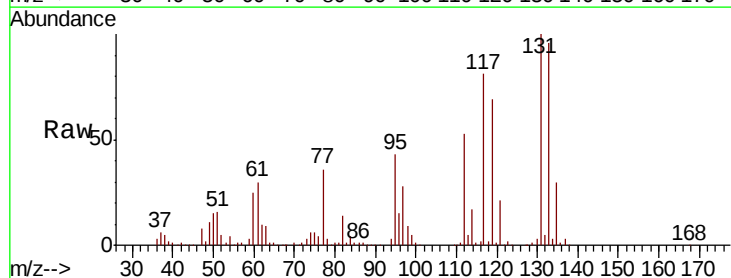
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 30 Mar 2022 15:25

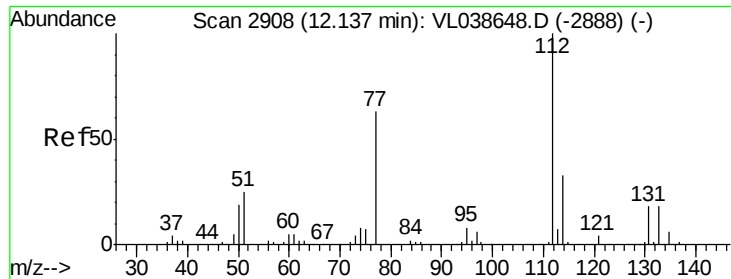
Tot Ion:117 Resp: 2066850
 Ion Ratio Lower Upper
 117 100
 82 60.7 51.6 77.4
 119 31.4 26.9 40.3



#56
 1,1,1,2-Tetrachloroethane
 Concen: 10.218 ppbv
 RT: 12.11 min Scan# 2900
 Delta R.T.: -0.00 min
 Lab File: VL038796.D
 Acq: 30 Mar 2022 15:25

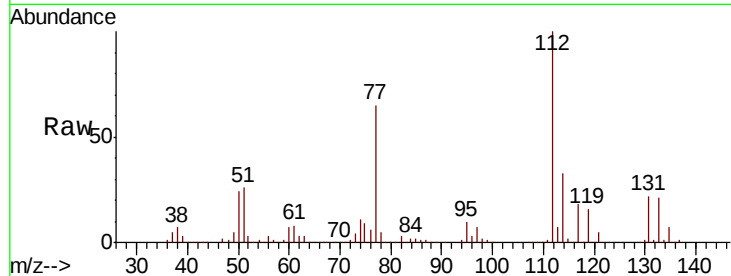
Tgt Ion:131 Resp: 875611
 Ion Ratio Lower Upper
 131 100
 133 97.9 77.3 115.9
 119 63.3 53.0 79.6



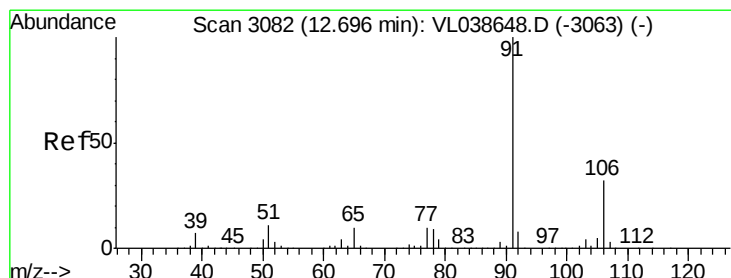
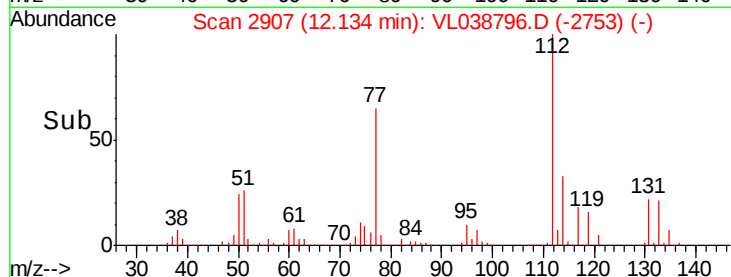
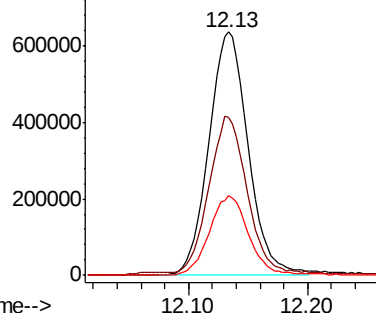


#57
Chlorobenzene
Concen: 9.752 ppbv
RT: 12.13 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 30 Mar 2022 15:25

Tot Ion: 112 Resp: 1453673
Ion Ratio Lower Upper
112 100
77 63.9 51.0 76.6
114 32.8 29.8 36.4

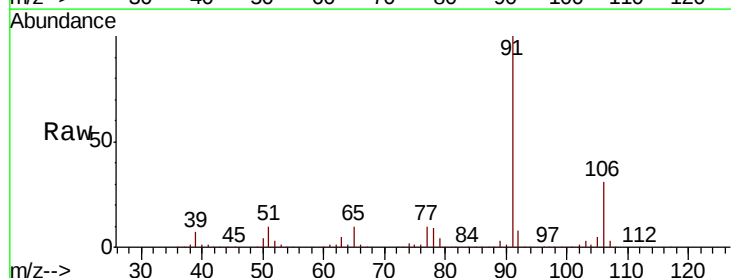


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

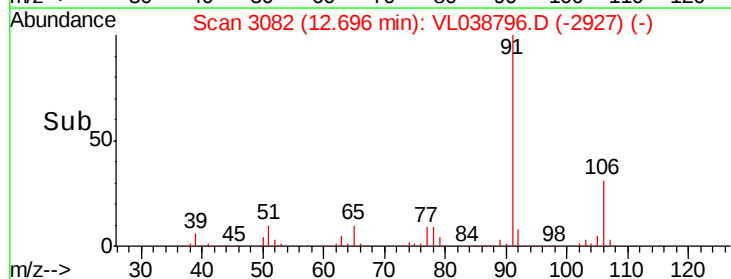
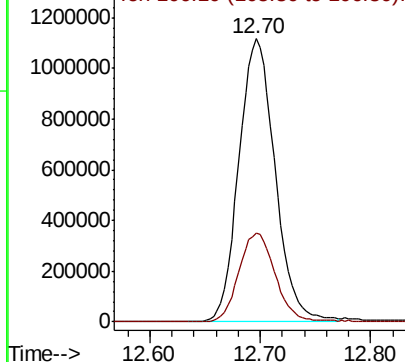


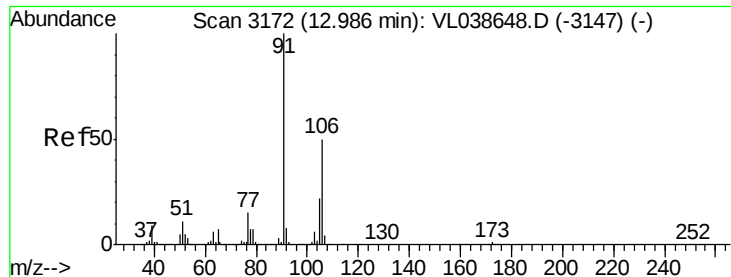
#58
Ethyl Benzene
Concen: 10.528 ppbv
RT: 12.70 min Scan# 3082
Delta R.T.: -0.00 min
Lab File: VL038796.D
Acq: 30 Mar 2022 15:25

Tgt Ion: 91 Resp: 2543909
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.0



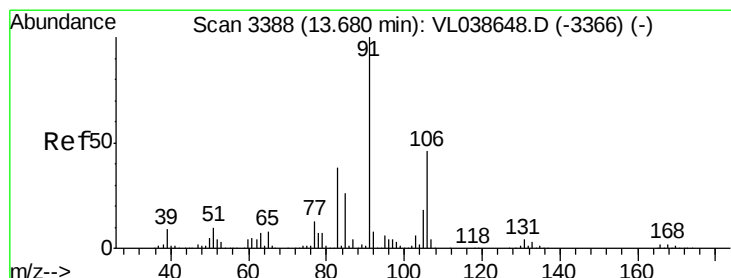
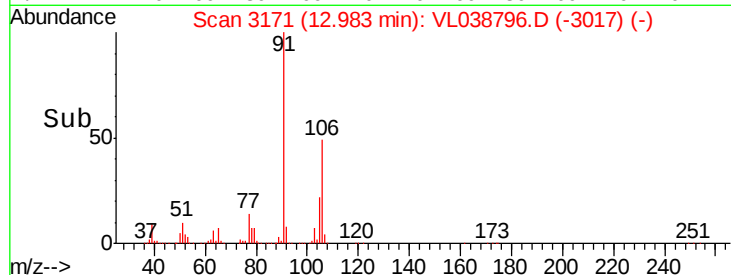
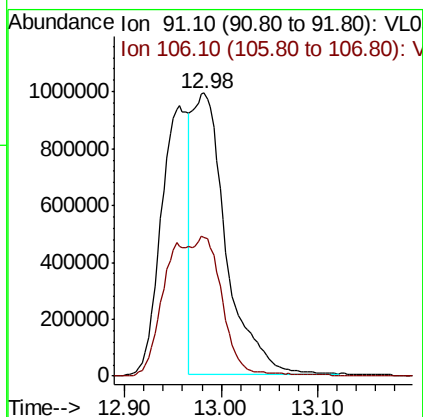
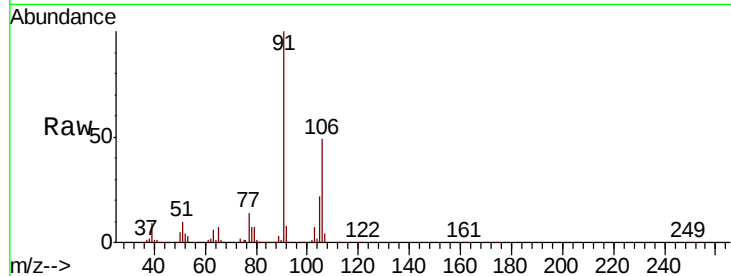
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





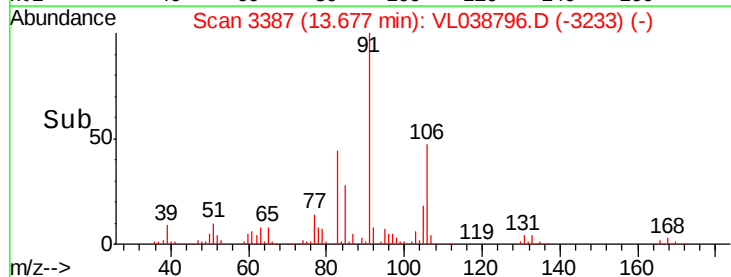
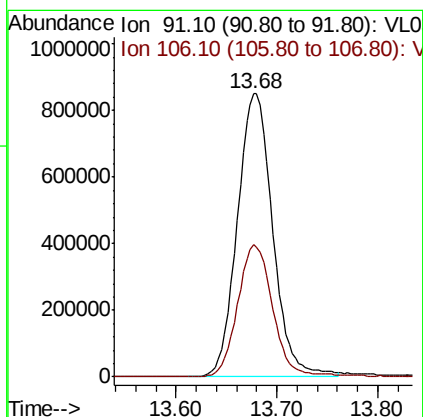
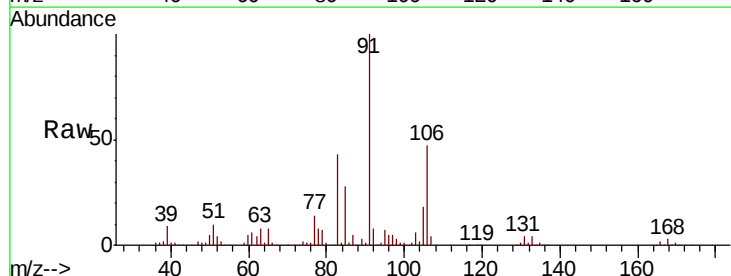
#59
m/p-Xylene
Concen: 11.396 ppbv
RT: 12.98 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 30 Mar 2022 15:25

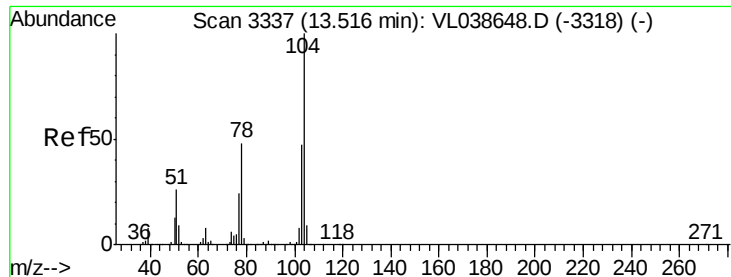
Tot Ion: 91 Resp: 2408745
Ion Ratio Lower Upper
91 100
106 82.9 37.2 55.8#



#60
o-Xylene
Concen: 10.291 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.00 min
Lab File: VL038796.D
Acq: 30 Mar 2022 15:25

Tgt Ion: 91 Resp: 2065278
Ion Ratio Lower Upper
91 100
106 47.0 23.5 70.5

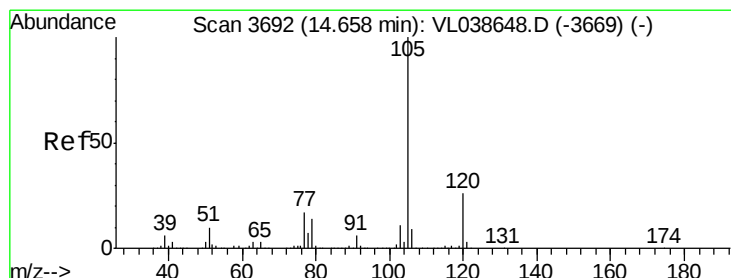
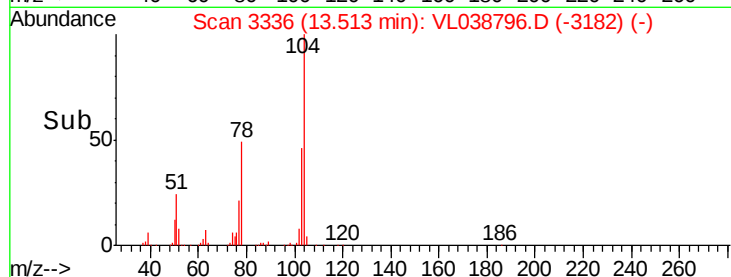
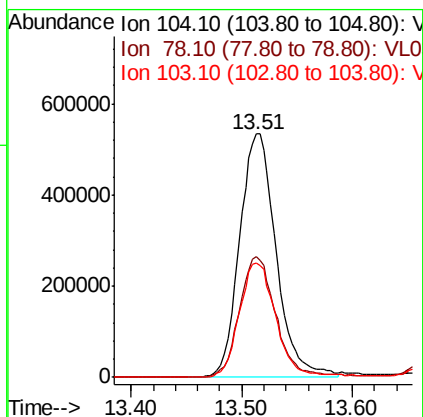
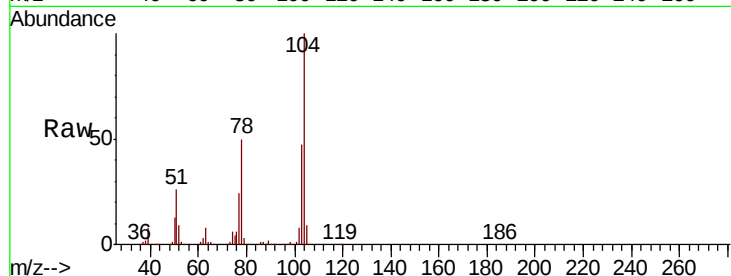




#61
Stvrene
Concen: 11.276 ppbv
RT: 13.51 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 30 Mar 2022 15:25

Tot Ion:104 Resp: 1227127

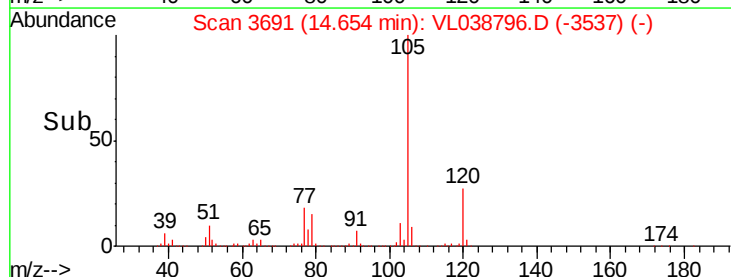
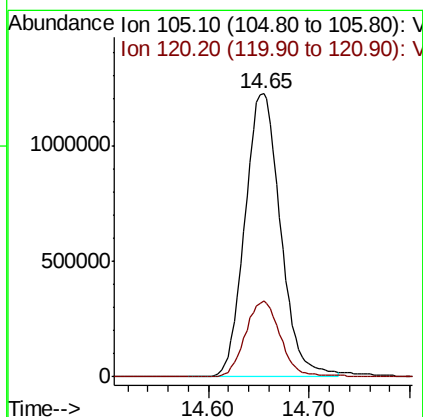
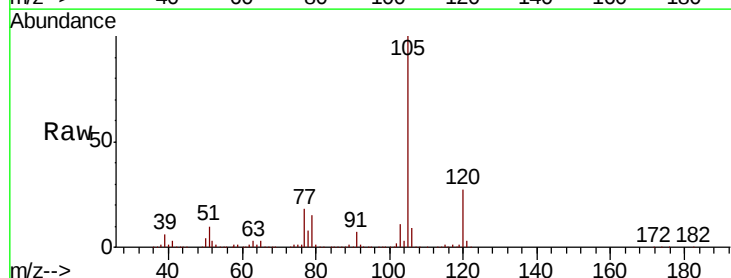
Ion	Ratio	Lower	Upper
104	100		
78	50.0	39.0	58.4
103	47.9	37.8	56.8

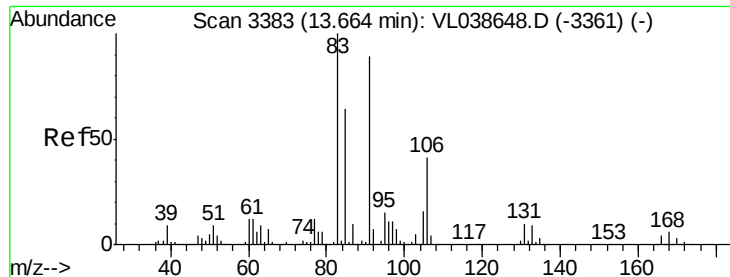


#62
Isopropylbenzene
Concen: 9.935 ppbv
RT: 14.65 min Scan# 3691
Delta R.T. -0.00 min
Lab File: VL038796.D
Acq: 30 Mar 2022 15:25

Tgt Ion:105 Resp: 2997372

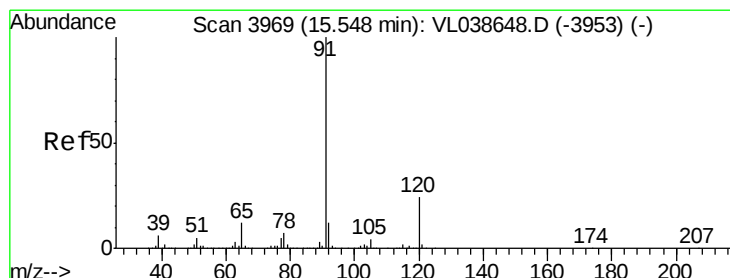
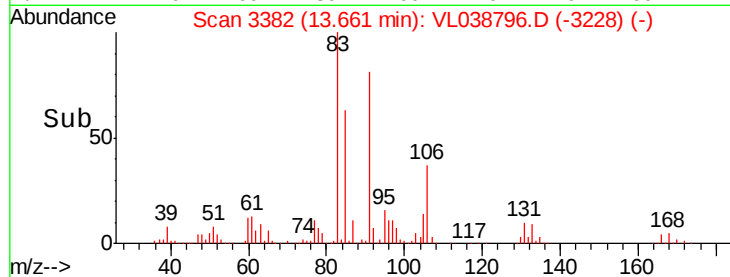
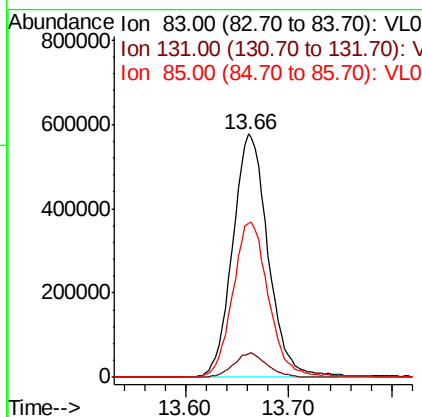
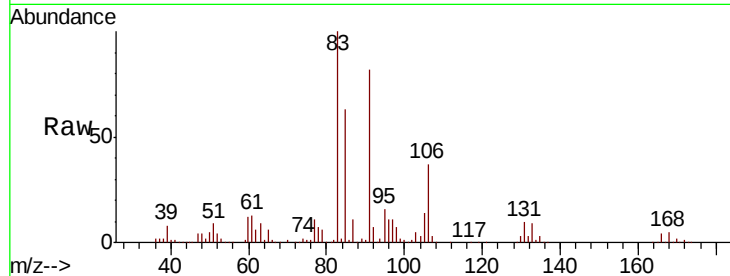
Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.2	31.8





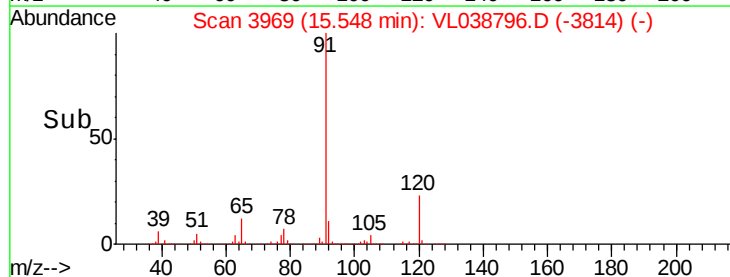
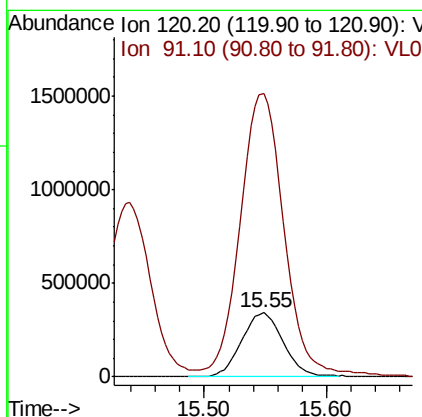
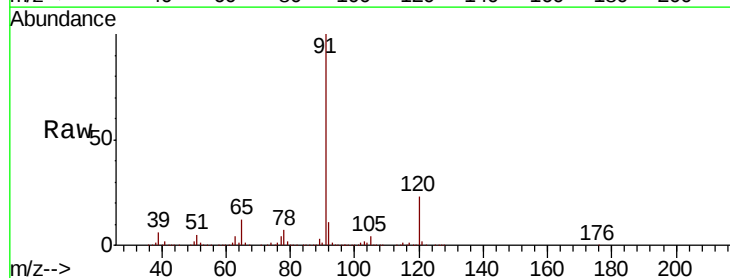
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.849 ppbv
 RT: 13.66 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 15:25

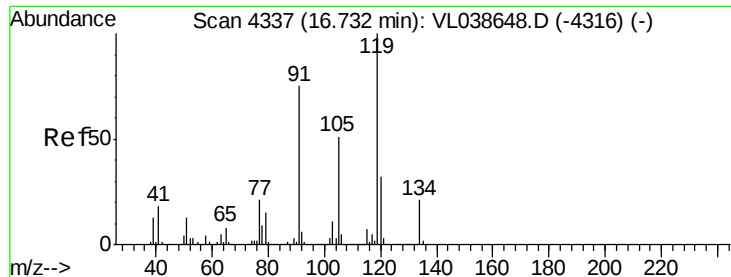
Tot Ion: 83 Resp: 1375594
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.8 14.3
 85 65.6 32.6 97.8



#64
 n-propylbenzene
 Concen: 10.213 ppbv
 RT: 15.55 min Scan# 3969
 Delta R.T. -0.00 min
 Lab File: VL038796.D
 Acq: 30 Mar 2022 15:25

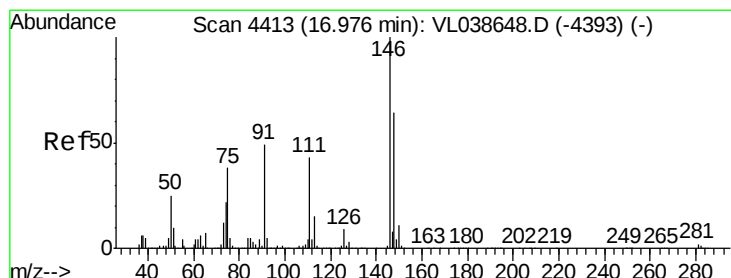
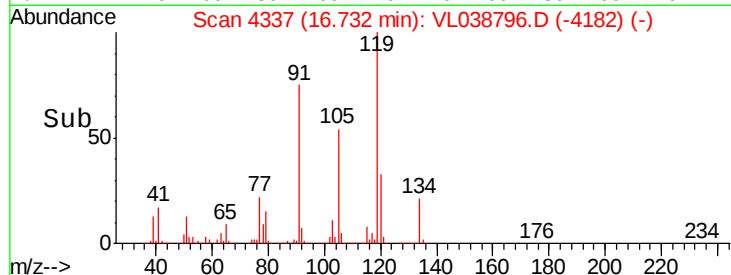
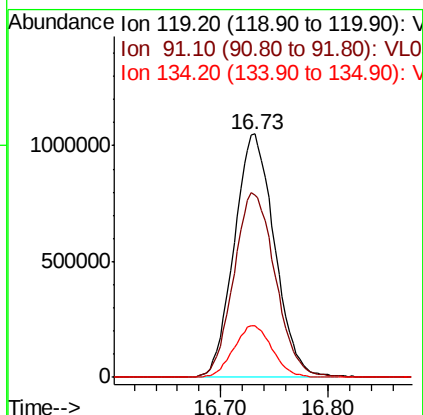
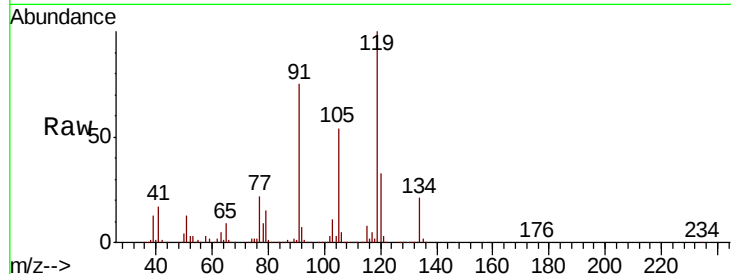
Tgt Ion:120 Resp: 808540
 Ion Ratio Lower Upper
 120 100
 91 467.0 368.0 552.0





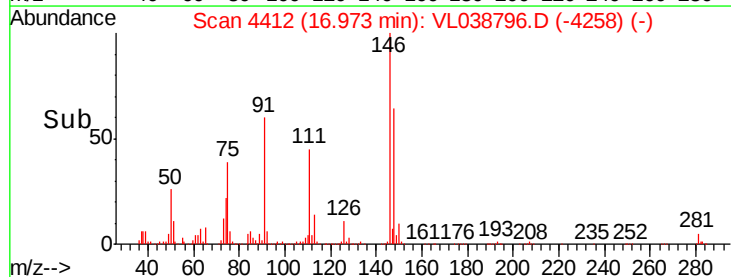
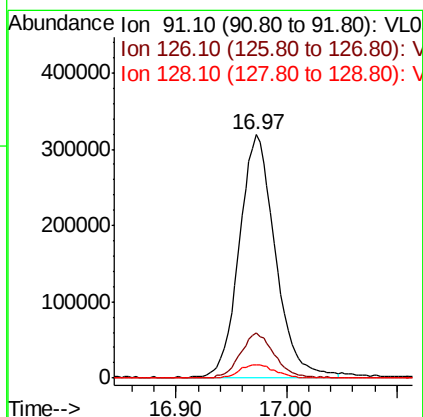
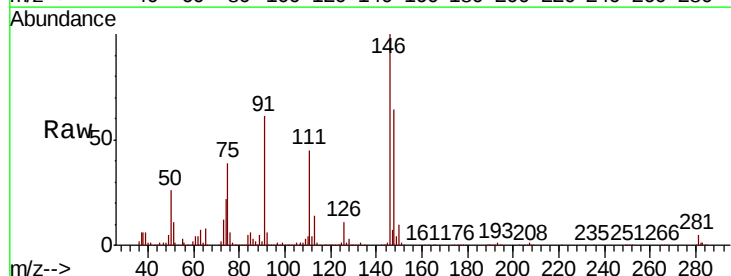
#65
 tert-Butylbenzene
 Concen: 10.088 ppbv
 RT: 16.73 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 30 Mar 2022 15:25

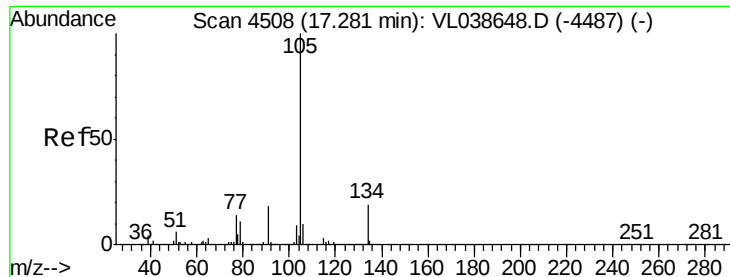
Tot Ion: 119 Resp: 2734827
 Ion Ratio Lower Upper
 119 100
 91 78.4 61.2 91.8
 134 20.4 16.3 24.5



#66
 Benzyl Chloride
 Concen: 13.932 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T.: -0.00 min
 Lab File: VL038796.D
 Acq: 30 Mar 2022 15:25

Tgt Ion: 91 Resp: 715164
 Ion Ratio Lower Upper
 91 100
 126 18.1 14.3 21.5
 128 5.7 4.6 6.8





#67

sec-Butylbenzene

Concen: 10.079 ppbv

RT: 17.28 min

Delta R.T. MSVOA_L

Lab File:

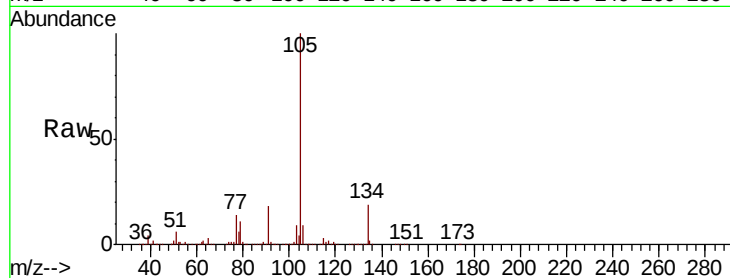
Acq: 30 Mar 2022 15:25

Tot Ion: 105 Resp: 3907601

Ion Ratio Lower Upper

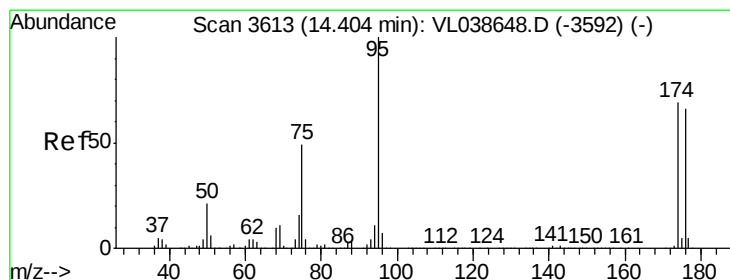
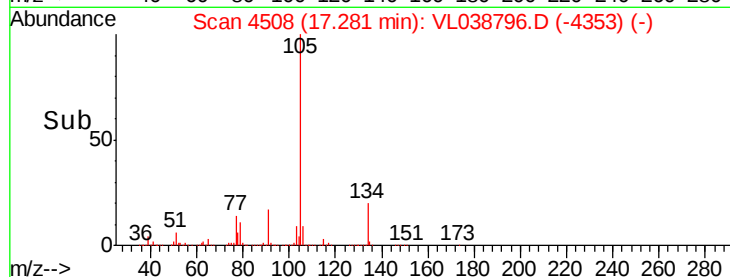
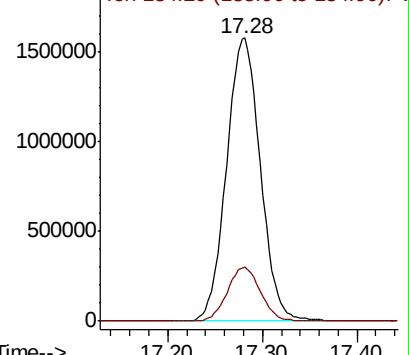
105 100

134 18.8 15.1 22.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.524 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.00 min

Lab File: VL038796.D

Acq: 30 Mar 2022 15:25

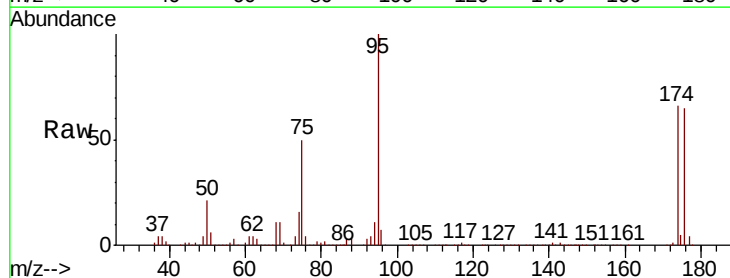
Tgt Ion: 95 Resp: 1509198

Ion Ratio Lower Upper

95 100

174 70.6 56.1 84.1

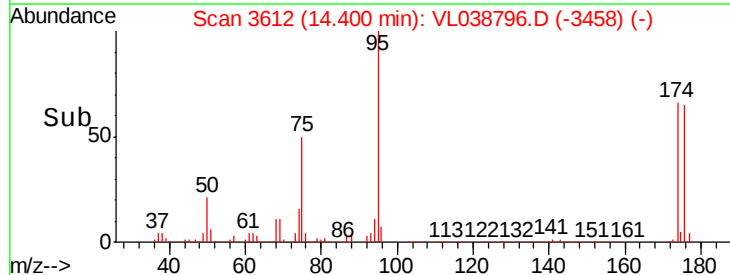
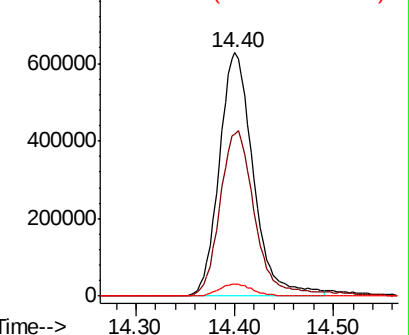
175 5.1 4.2 6.2

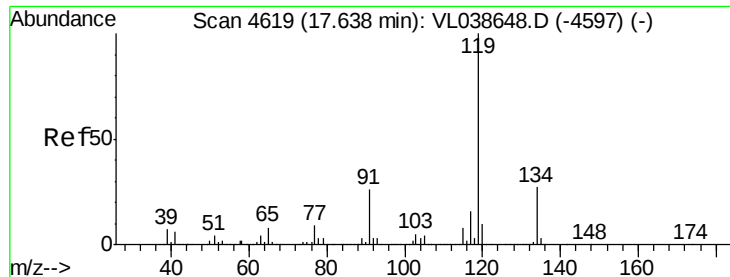


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

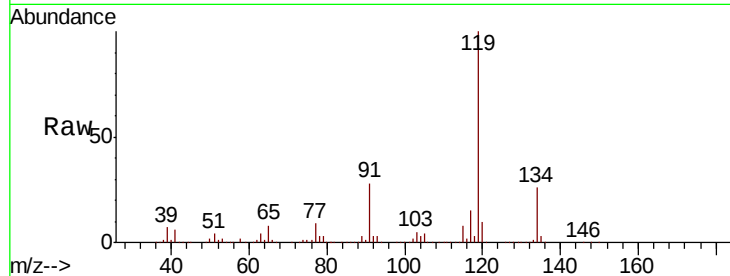




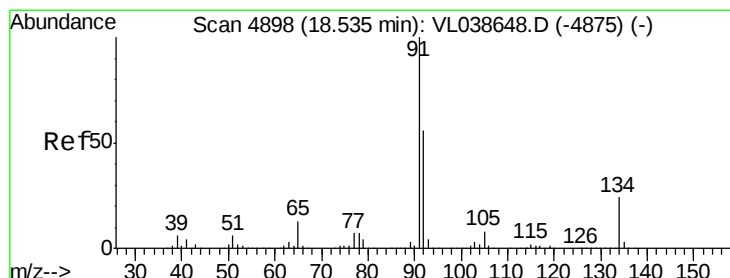
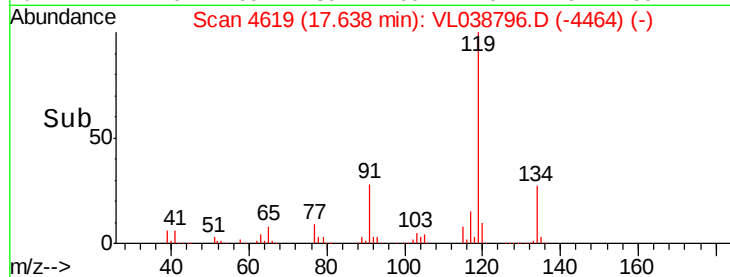
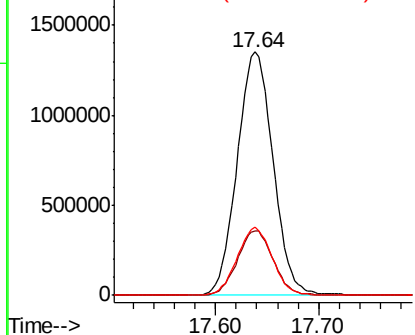
#69
 p-Isopropyltoluene
 Concen: 10.335 ppbv
 RT: 17.64 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 15:25

Tot Ion: 119 Resp: 3270233

Ion	Ratio	Lower	Upper
119	100		
134	26.6	21.2	31.8
91	27.3	21.4	32.2



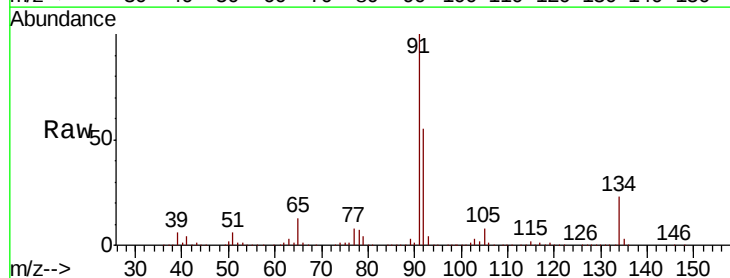
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V



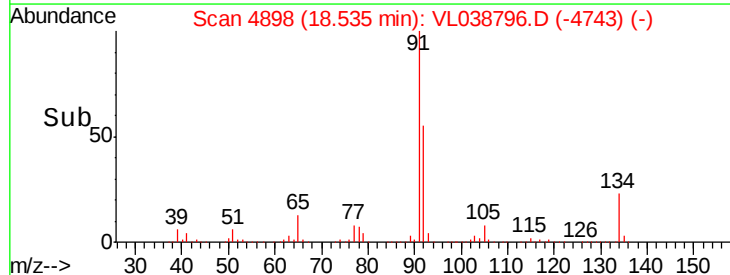
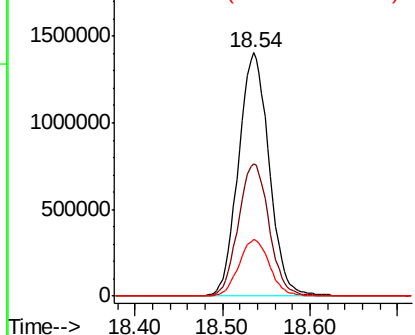
#70
 n-Butylbenzene
 Concen: 10.488 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.00 min
 Lab File: VL038796.D
 Acq: 30 Mar 2022 15:25

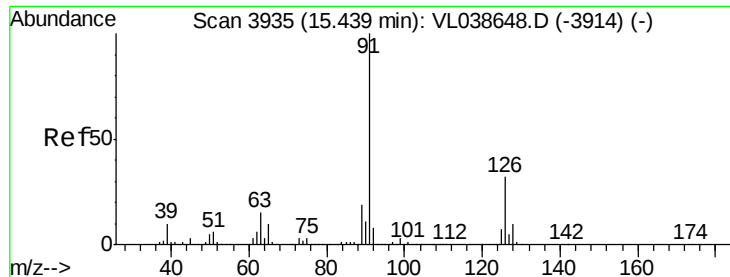
Tgt Ion: 91 Resp: 3422815

Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.9	65.9
134	23.3	18.7	28.1



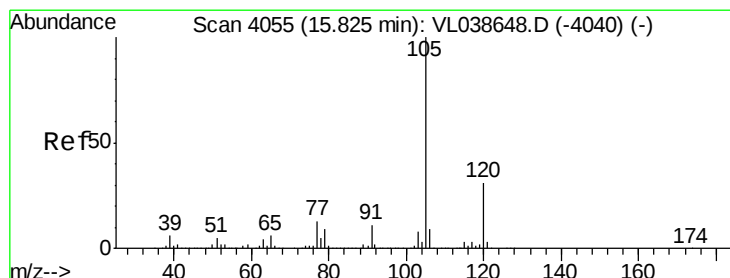
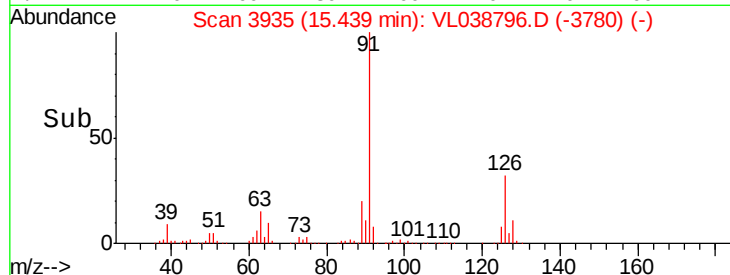
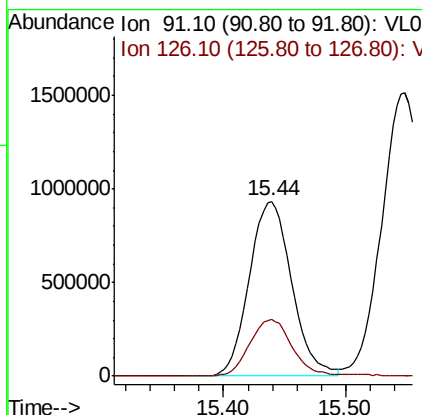
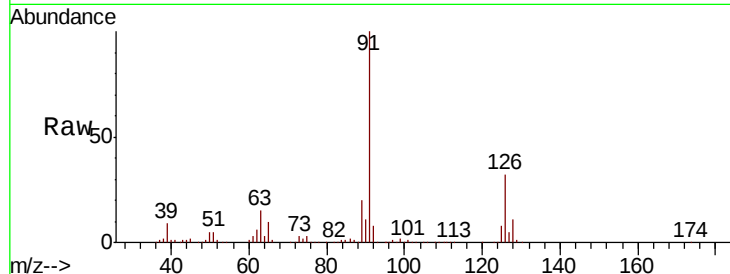
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





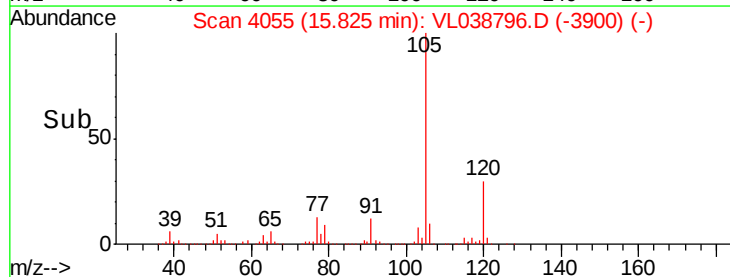
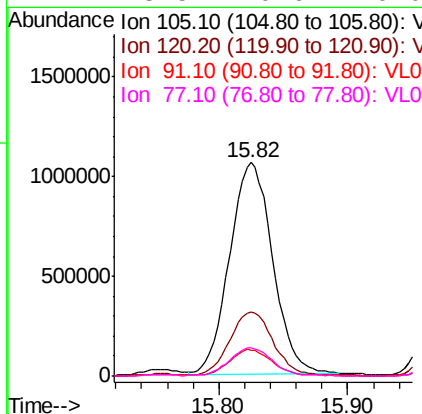
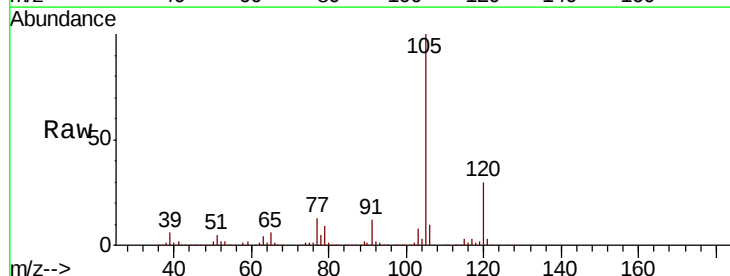
#71
 2-Chlorotoluene
 Concen: 10.058 ppbv
 RT: 15.44 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 30 Mar 2022 15:25

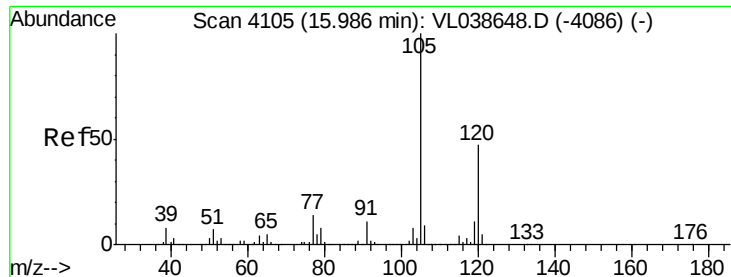
Tot Ion: 91 Resp: 2252384
 Ion Ratio Lower Upper
 91 100
 126 33.4 13.1 52.3



#72
 4-Ethyltoluene
 Concen: 10.392 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T. -0.00 min
 Lab File: VL038796.D
 Acq: 30 Mar 2022 15:25

Tgt Ion:105 Resp: 2461832
 Ion Ratio Lower Upper
 105 100
 120 31.3 24.9 37.3
 91 12.4 9.8 14.6
 77 13.5 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 10.227 ppbv

RT: 15.98 min

Delta R.T. MSVOA_L

Lab File:

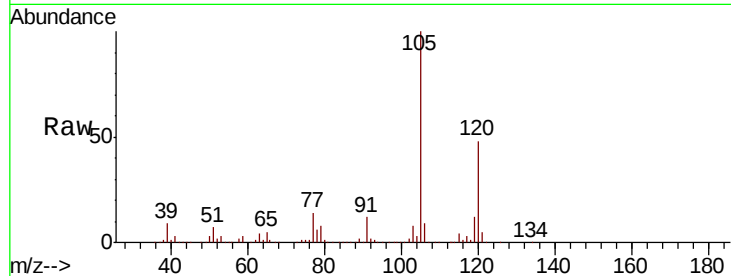
Acq: 30 Mar 2022 15:25

Tot Ion:105 Resp: 2207826

Ion Ratio Lower Upper

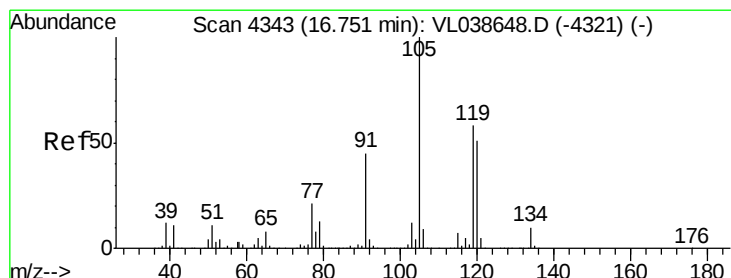
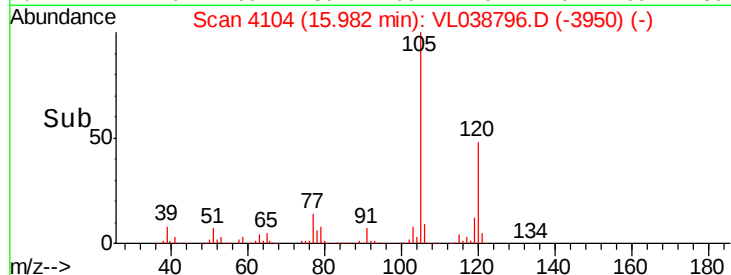
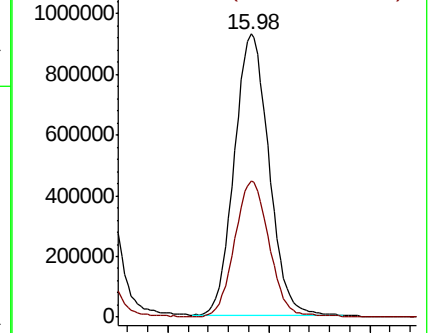
105 100

120 48.2 37.6 56.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.144 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.00 min

Lab File: VL038796.D

Acq: 30 Mar 2022 15:25

Tgt Ion:105 Resp: 2385218

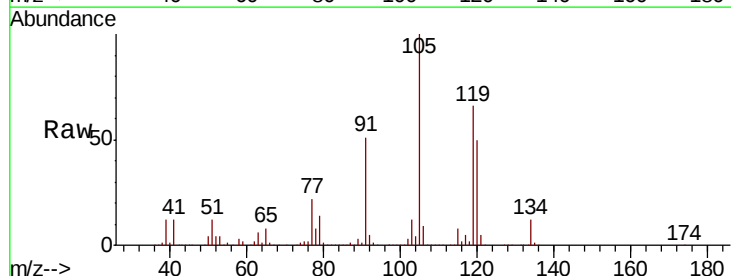
Ion Ratio Lower Upper

105 100

120 49.7 40.5 60.7

91 50.6 35.9 53.9

77 22.3 16.6 25.0

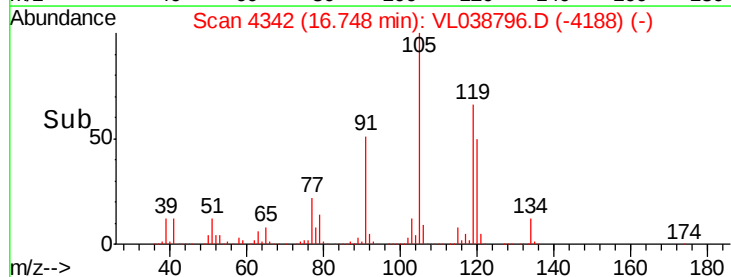
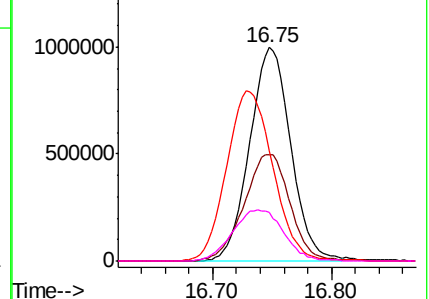


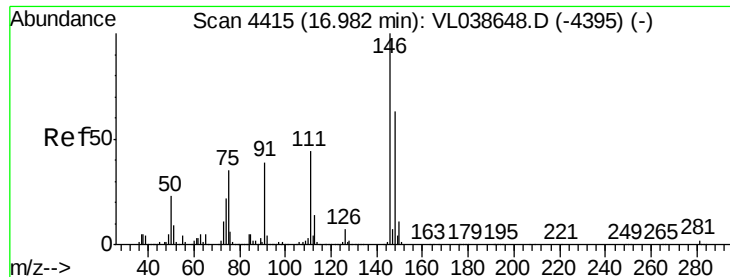
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

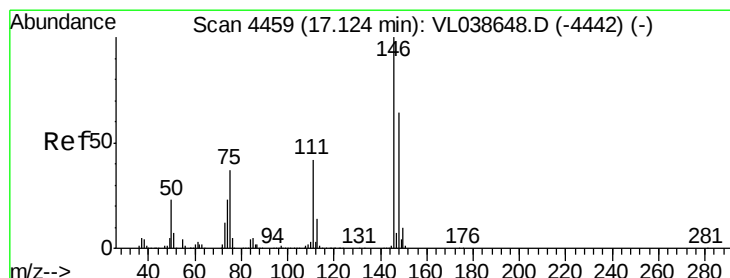
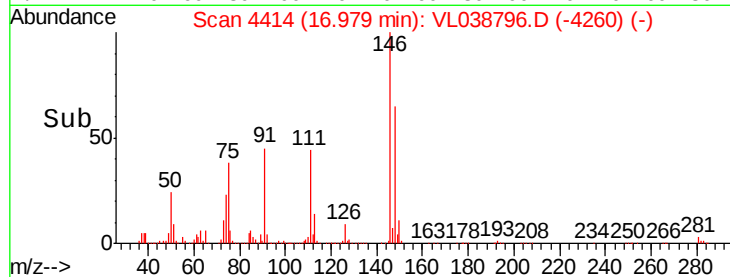
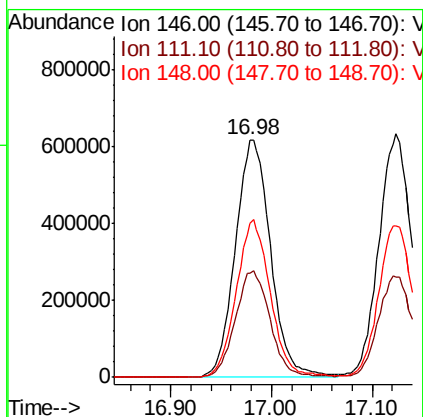
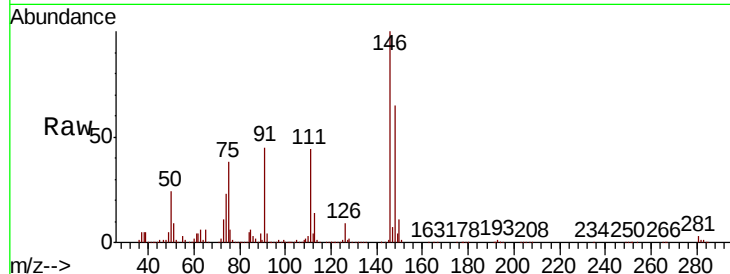
Ion 77.10 (76.80 to 77.80): VL0





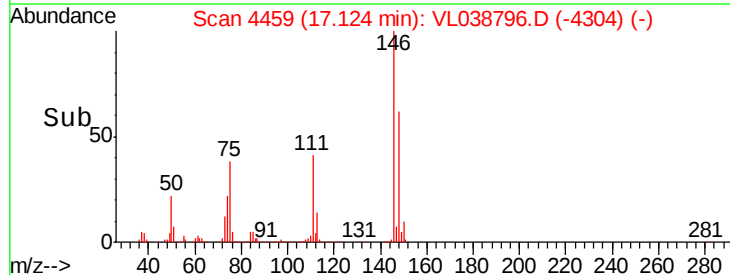
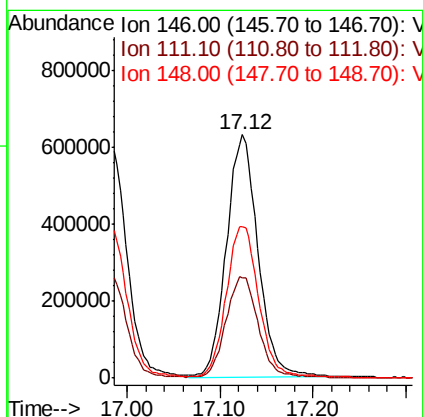
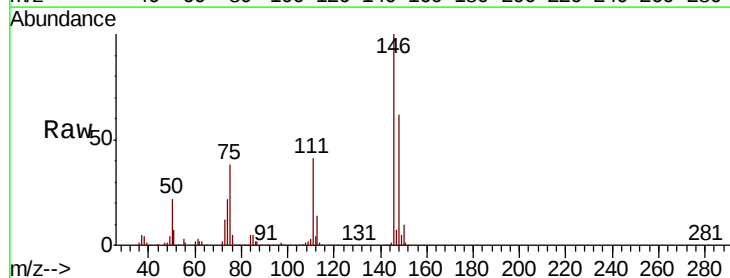
#75
 1,3-Dichlorobenzene
 Concen: 9.992 ppbv
 RT: 16.98
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 30 Mar 2022 15:25

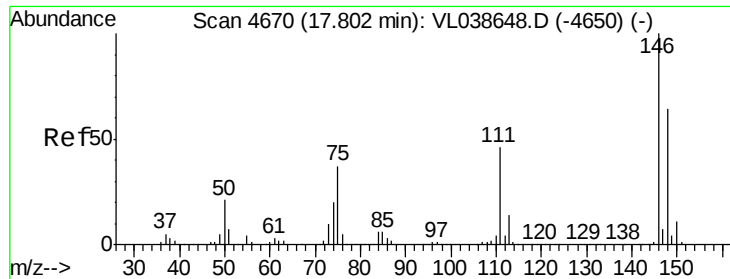
Tot Ion:146 Resp: 1496503
 Ion Ratio Lower Upper
 146 100
 111 44.3 22.2 66.6
 148 64.2 32.5 97.5



#76
 1,4-Dichlorobenzene
 Concen: 9.936 ppbv
 RT: 17.12 min Scan# 4459
 Delta R.T. -0.00 min
 Lab File: VL038796.D
 Acq: 30 Mar 2022 15:25

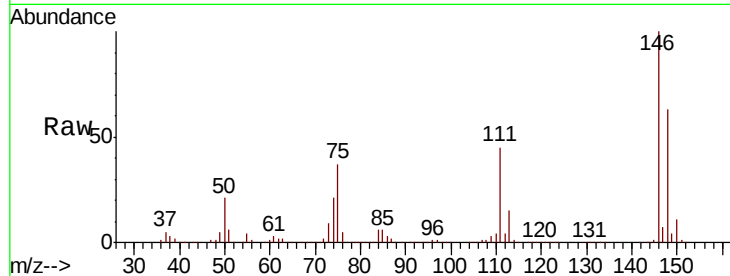
Tgt Ion:146 Resp: 1479877
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.4 64.2
 148 65.4 32.1 96.3



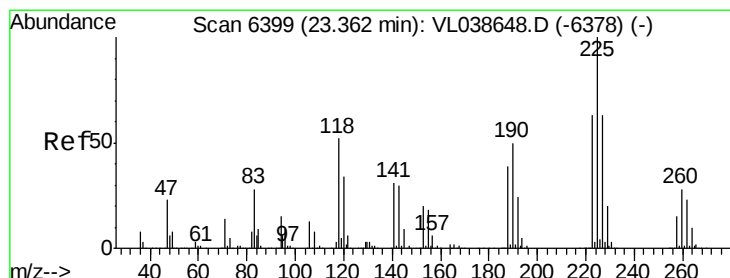
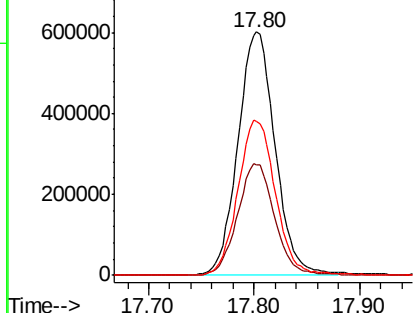
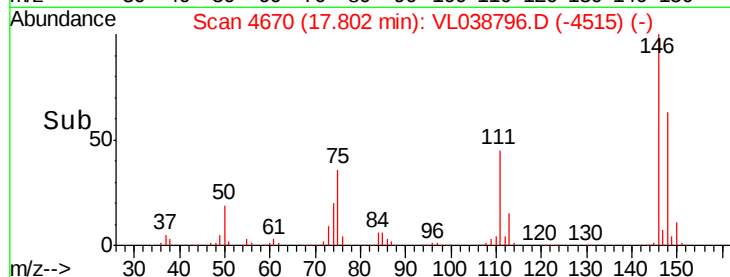


#77
 1,2-Dichlorobenzene
 Concen: 9.897 ppbv
 RT: 17.80 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 30 Mar 2022 15:25

Tot Ion:146 Resp: 1468360
 Ion Ratio Lower Upper
 146 100
 111 46.4 22.8 68.4
 148 64.8 32.5 97.4

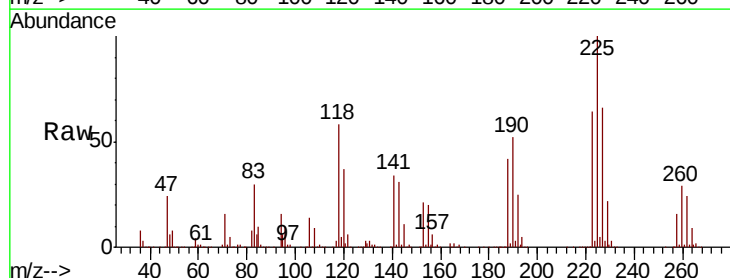


Abundance Ion 146.00 (145.70 to 146.70): V
 800000 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

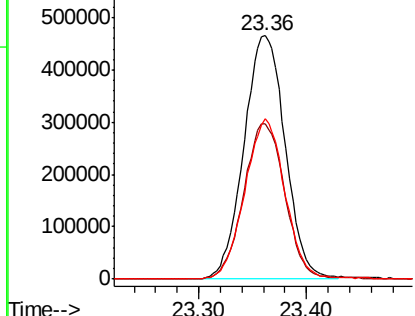
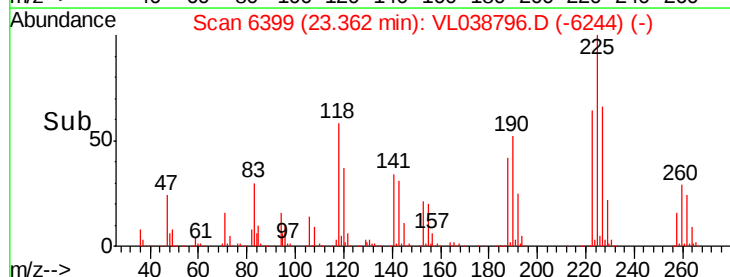


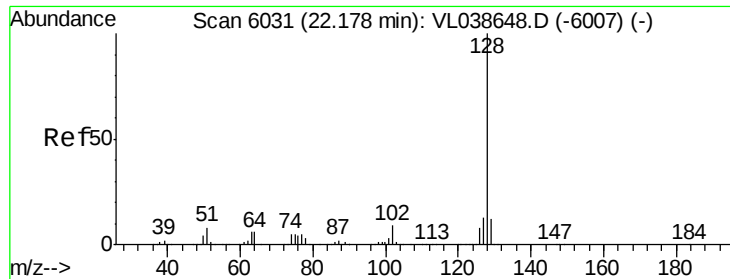
#78
 Hexachloro-1,3-Butadiene
 Concen: 9.035 ppbv
 RT: 23.36 min Scan# 6399
 Delta R.T.: -0.00 min
 Lab File: VL038796.D
 Acq: 30 Mar 2022 15:25

Tgt Ion:225 Resp: 1238908
 Ion Ratio Lower Upper
 225 100
 223 64.3 51.0 76.6
 227 64.6 51.5 77.3



Abundance Ion 224.90 (224.60 to 225.60): V
 600000 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 12.526 ppbv

RT: 22.18 min

Delta R.T. MSVOA_L

Lab File:

Acq: 30 Mar 2022 15:25

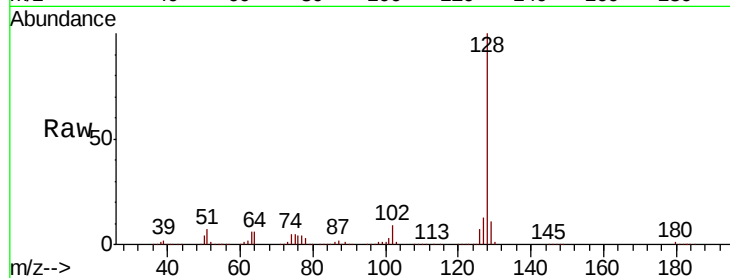
Tot Ion:128 Resp: 2250225

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

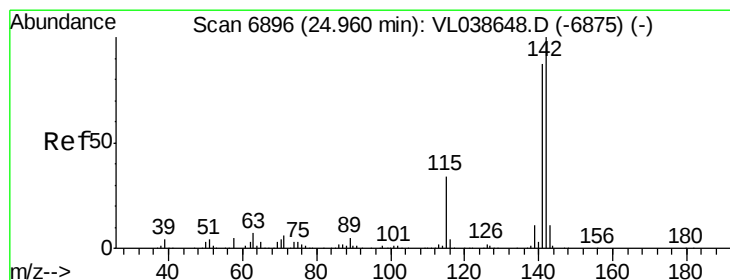
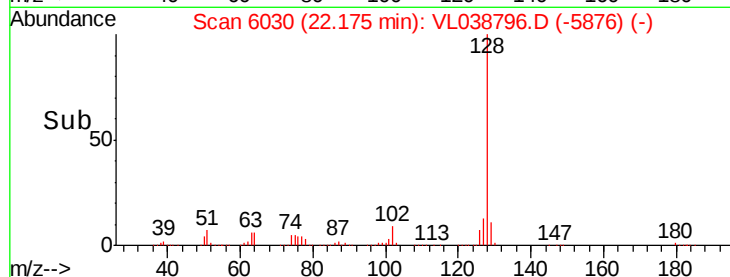
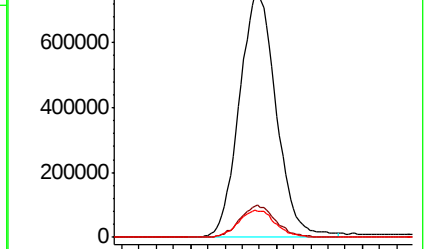
129 11.1 9.2 13.8



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



#80

Naphthalene, 2-methyl-

Concen: 11.209 ppbv

RT: 24.96 min Scan# 6897

Delta R.T. 0.00 min

Lab File: VL038796.D

Acq: 30 Mar 2022 15:25

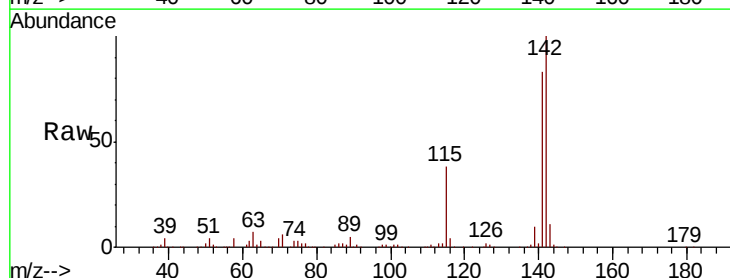
Tgt Ion:142 Resp: 539928

Ion Ratio Lower Upper

142 100

141 86.4 66.4 99.6

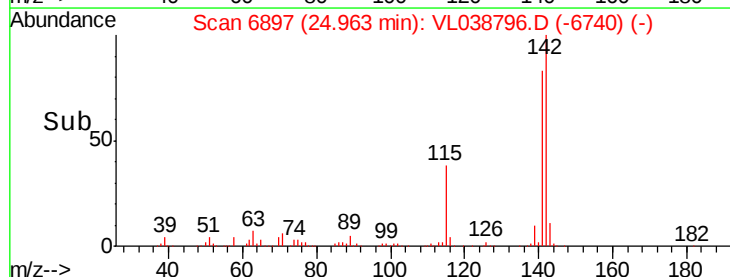
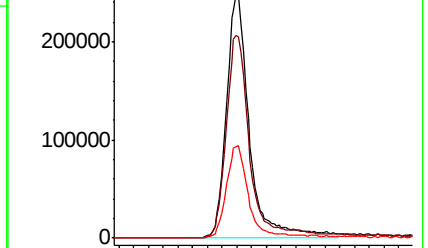
115 38.3 27.8 41.6

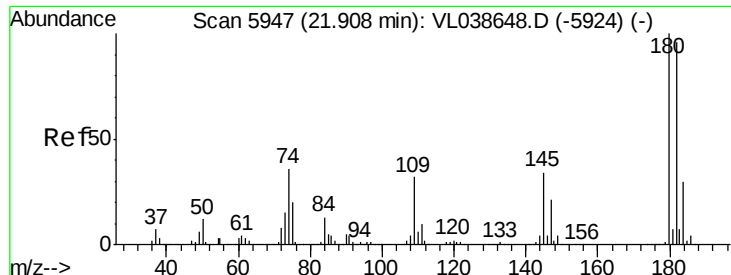


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 10.668 ppbv

RT: 21.90

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 30 Mar 2022 15:25

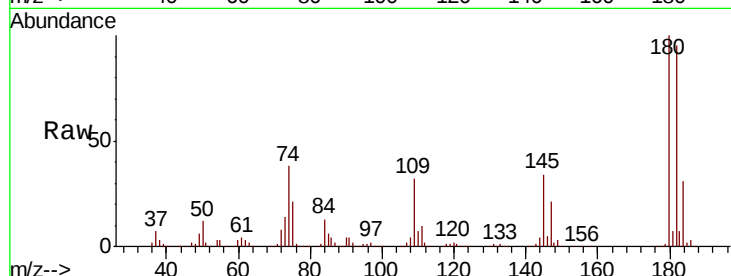
Tot Ion:180 Resp: 1311951

Ion Ratio Lower Upper

180 100

182 99.3 79.2 118.8

184 31.3 24.8 37.2



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

