

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030222\
 Data File : VL038477.D
 Acq On : 2 Mar 2022 11:48
 Operator : SY/AP
 Sample : VL0302ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0302ABS01

Quant Time: Mar 02 22:35:07 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	948866	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2318206	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	2651953	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1811248	8.25	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1260945	8.39	ppbv	96
3) Chlorodifluoromethane	2.99	51	1587627	9.48	ppbv	99
4) Chloromethane	3.14	50	549891	9.45	ppbv	97
5) Vinyl Chloride	3.26	62	567837	9.33	ppbv	98
6) Bromomethane	3.47	94	294394	9.17	ppbv	99
7) Chloroethane	3.56	64	198154	10.14	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	1356966	9.71	ppbv	99
9) Propene	3.02	41	521664	9.43	ppbv	99
10) Heptane	8.12	43	1339820	9.95	ppbv	99
11) Trichlorofluoromethane	3.95	101	1398808	9.72	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	991441	9.40	ppbv	99
13) Ethanol	3.62	45	39377	7.13	ppbv	97
14) Bromoethene	3.74	108	395764	9.42	ppbv	97
15) Acetone	3.85	43	678236	8.41	ppbv	99
16) 1,3-Butadiene	3.33	39	545318	10.12	ppbv	99
17) tert-Butyl alcohol	4.29	59	811605	10.08	ppbv	100
18) 1,1-Dichloroethene	4.29	96	443010	9.57	ppbv	98
19) Isopropyl Alcohol	3.96	45	426728	9.13	ppbv #	97
20) Methylene Chloride	4.35	84	354532	8.87	ppbv	96
21) Allyl Chloride	4.41	41	651457	9.56	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	462417	9.90	ppbv	93
23) Vinyl Acetate	5.07	43	1048100	9.80	ppbv	98
24) 1,1-Dichloroethane	5.01	63	902183	9.38	ppbv	99
25) Ethyl Acetate	5.67	43	2102900	9.70	ppbv	99
26) Hexane	5.69	57	965903	9.84	ppbv	97
27) Carbon Disulfide	4.55	76	1119265	10.25	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	964625	9.65	ppbv	100
29) Chloroform	5.75	83	1589453	9.92	ppbv	99
30) Cyclohexane	7.13	84	802165	9.99	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	965846	10.15	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	1580610	9.81	ppbv	99
34) 2-Butanone	5.25	43	726642	9.97	ppbv	100
35) Carbon Tetrachloride	7.01	117	1626876	9.98	ppbv	97
36) Benzene	6.89	78	1977785	9.69	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1195730	10.14	ppbv	100
38) Trichloroethene	7.83	130	707434	9.52	ppbv	97
39) 1,2-Dichloropropane	7.61	63	787773	9.69	ppbv	99
40) 1,4-Dioxane	7.83	88	68755	3.57	ppbv #	1
41) Tetrahydrofuran	6.05	42	495360	10.06	ppbv	99
42) Bromodichloromethane	7.79	83	1694905	9.95	ppbv	98
43) Methyl Methacrylate	8.01	69	735650	10.37	ppbv	99

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Quant Time: Mar 02 22:35:07 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

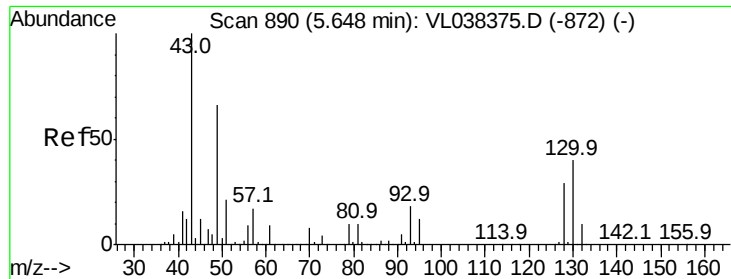
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3395775	9.68	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	604970	10.67	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	768400	10.34	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	775996	9.60	ppbv	97
48) Dibromochloromethane	10.30	129	1304584	9.87	ppbv	100
49) Bromoform	13.04	173	864726	8.86	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	1363498	10.58	ppbv	100
51) 2-Hexanone	10.13	43	605584	10.49	ppbv #	98
52) Tetrachloroethene	11.22	164	600671	8.87	ppbv	98
53) Toluene	9.80	91	2178250	9.83	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1110734	9.76	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	845212	7.65	ppbv	99
57) Chlorobenzene	12.14	112	1461723	7.14	ppbv	97
58) Ethyl Benzene	12.71	91	2787287	7.69	ppbv	99
59) m/p-Xylene	12.99	91	2471724	7.94	ppbv #	42
60) o-Xylene	13.69	91	2172297	7.38	ppbv	100
61) Styrene	13.52	104	1047407	7.71	ppbv	98
62) Isopropylbenzene	14.66	105	2838405	7.18	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	1451129	6.07	ppbv	100
64) n-propylbenzene	15.55	120	673991	6.89	ppbv	90
65) tert-Butylbenzene	16.74	119	2292410	6.70	ppbv	99
66) Benzyl Chloride	16.98	91	101699	5.50	ppbv #	99
67) sec-Butylbenzene	17.29	105	3201056	6.60	ppbv	98
69) p-Isopropyltoluene	17.64	119	2539707	6.67	ppbv	99
70) n-Butylbenzene	18.55	91	2711515	6.88	ppbv	99
71) 2-Chlorotoluene	15.45	91	2061672	6.79	ppbv	100
72) 4-Ethyltoluene	15.83	105	2257442	6.96	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	2038319	6.92	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	2102185	6.76	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	1113878	6.39	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	1068479	6.22	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	1052971	6.28	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	840964	6.58	ppbv	99
79) Naphthalene	22.19	128	714296	4.24	ppbv	99
80) Naphthalene,2-methyl-	24.96	142	229031	6.95	ppbv	98
81) 1,2,4-Trichlorobenzene	21.92	180	853109	8.37	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 11:48 VL0302ABS01

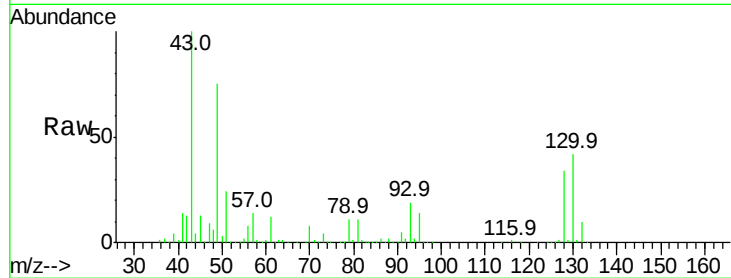
Tgt Ion: 49 Resp: 948866

Ion Ratio Lower Upper

49 100

128 48.3 24.3 72.9

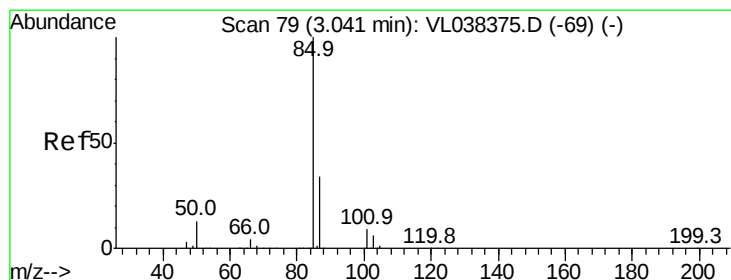
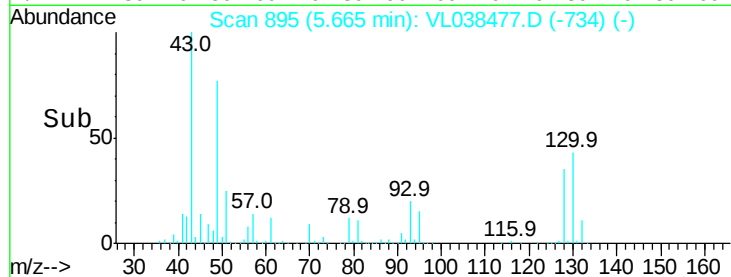
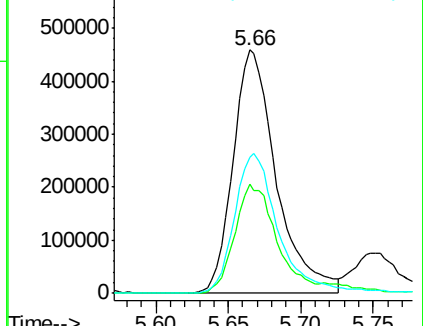
130 59.4 30.1 90.5



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: 8.39 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL038477.D

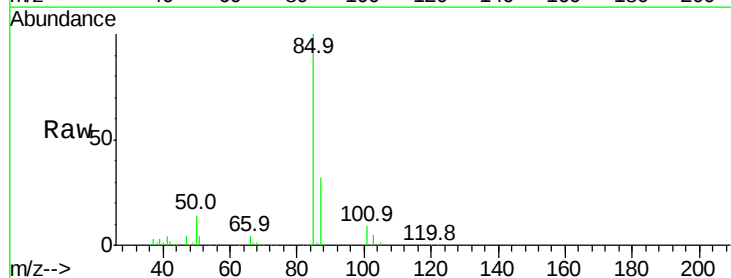
Acq: 2 Mar 2022 11:48

Tgt Ion: 85 Resp: 1260945

Ion Ratio Lower Upper

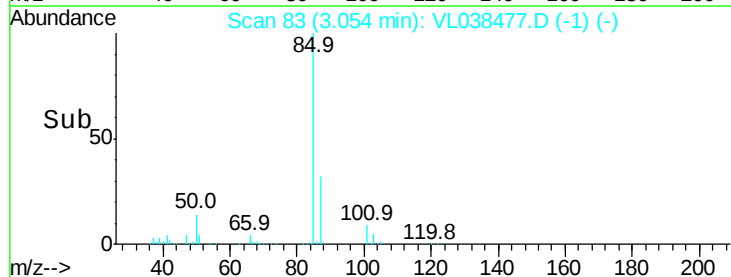
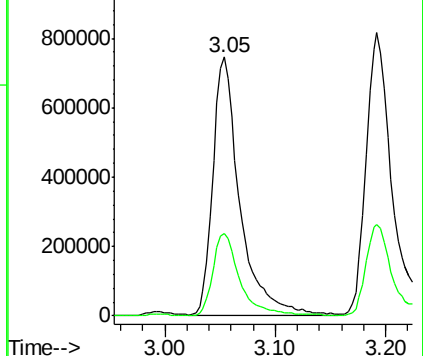
85 100

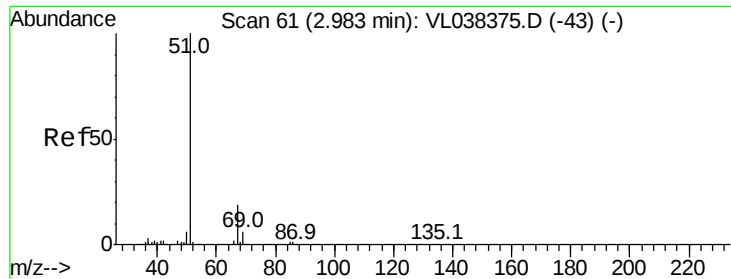
87 31.8 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

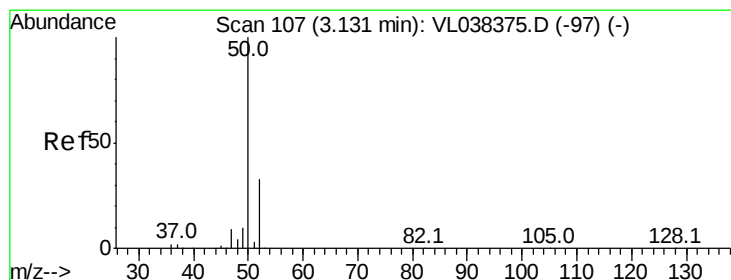
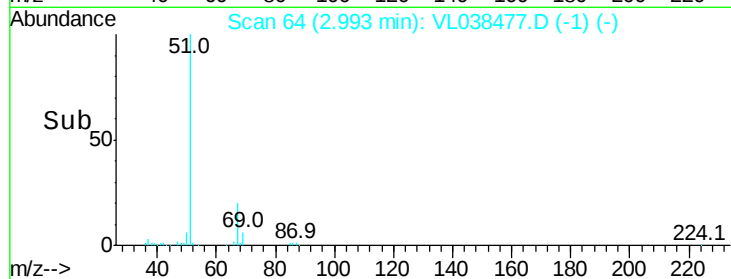
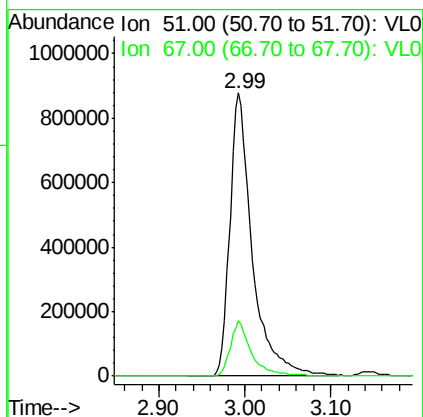
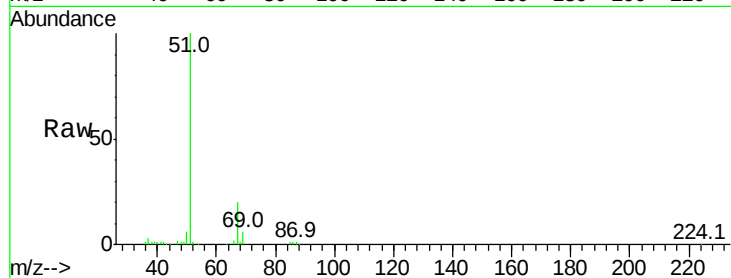
Ion 87.00 (86.70 to 87.70): VL0





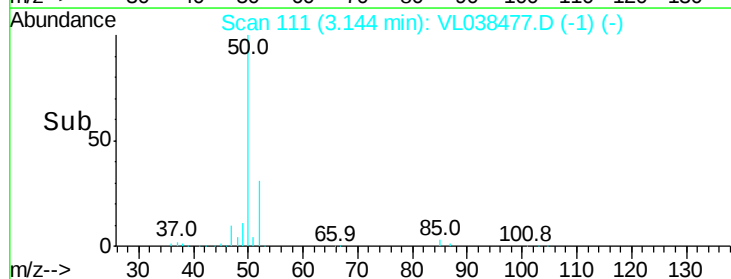
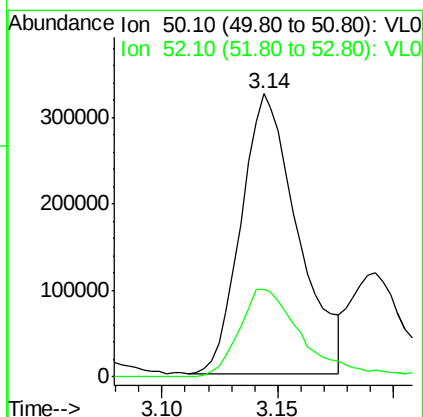
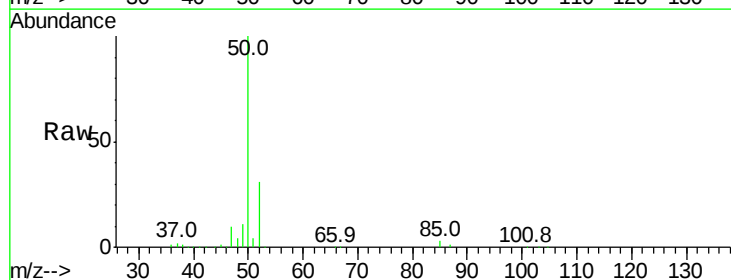
#3
 Chlorodifluoromethane
 Concen: 9.48 ppbv
 RT: 2.99
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId : VL0302ABS01
 Acq: 2 Mar 2022 11:48

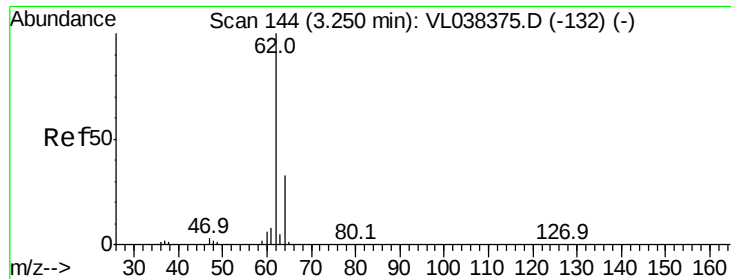
Tgt Ion: 51 Resp: 1587627
 Ion Ratio Lower Upper
 51 100
 67 18.6 14.7 22.1



#4
 Chloromethane
 Concen: 9.45 ppbv
 RT: 3.14 min Scan# 111
 Delta R.T. 0.01 min
 Lab File: VL038477.D
 Acq: 2 Mar 2022 11:48

Tgt Ion: 50 Resp: 549891
 Ion Ratio Lower Upper
 50 100
 52 31.1 26.5 39.7





#5

Vinyl Chloride

Concen: 9.33 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

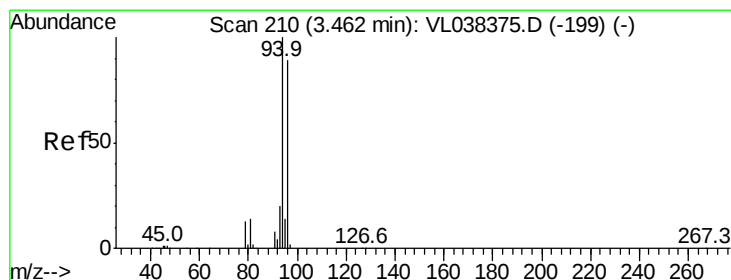
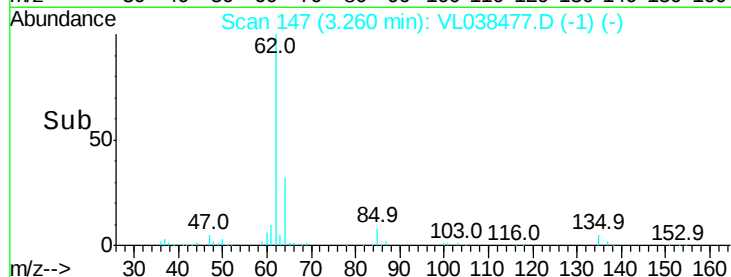
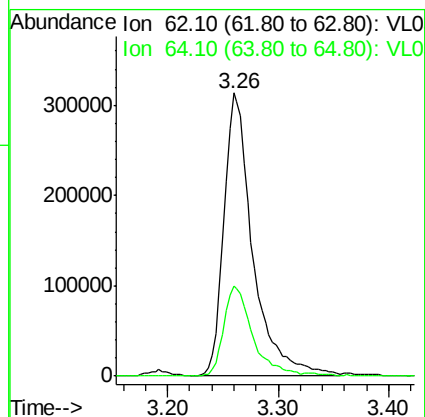
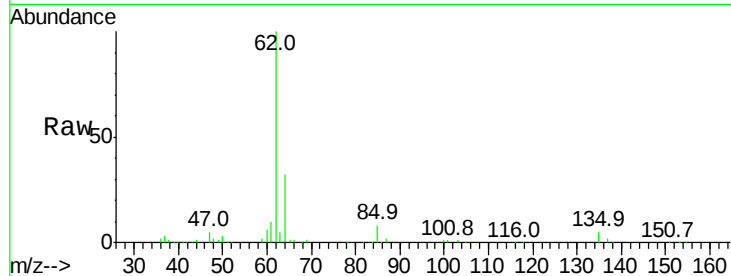
Acq: 2 Mar 2022 11:48 VL0302ABS01

Tgt Ion: 62 Resp: 567837

Ion Ratio Lower Upper

62 100

64 31.7 26.2 39.2



#6

Bromomethane

Concen: 9.17 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.01 min

Lab File: VL038477.D

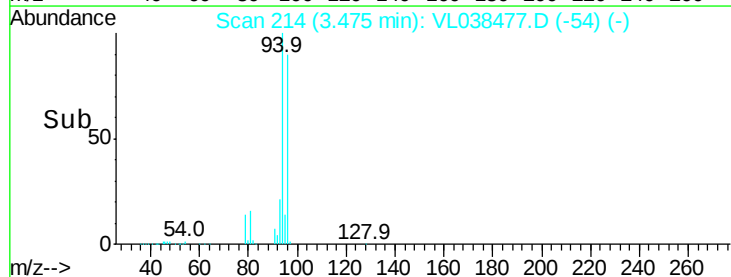
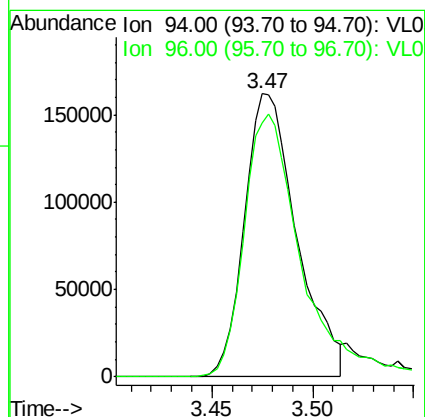
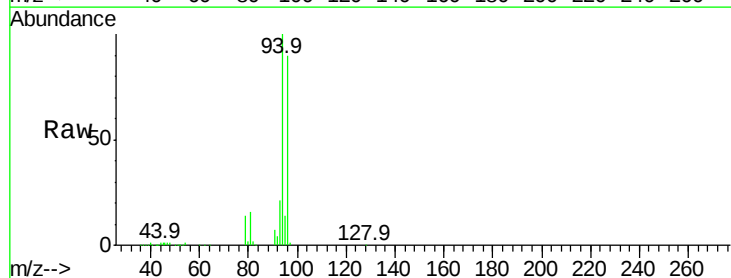
Acq: 2 Mar 2022 11:48

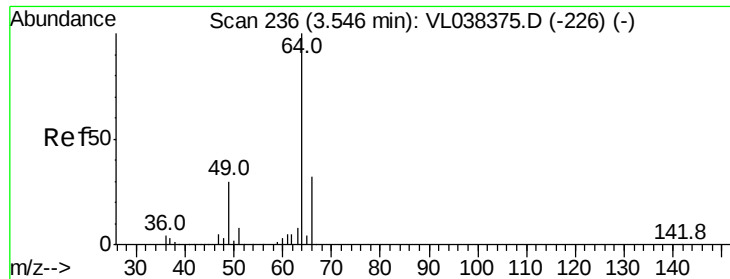
Tgt Ion: 94 Resp: 294394

Ion Ratio Lower Upper

94 100

96 89.8 71.0 106.6





#7

Chloroethane

Concen: 10.14 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

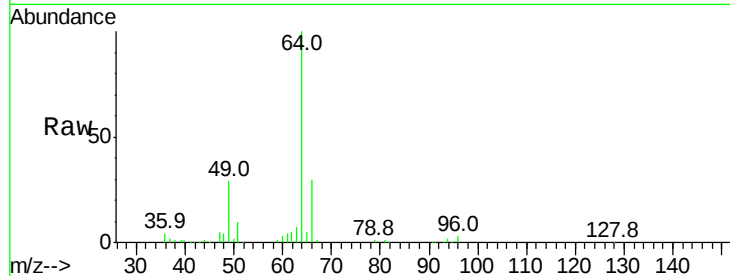
Acq: 2 Mar 2022 11:48 VL0302ABS01

Tgt Ion: 64 Resp: 198154

Ion Ratio Lower Upper

64 100

66 29.7 25.9 38.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

120000

100000

80000

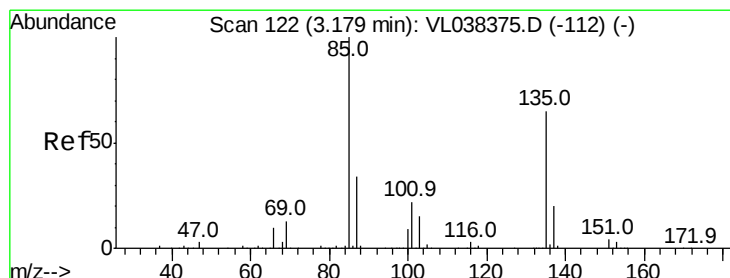
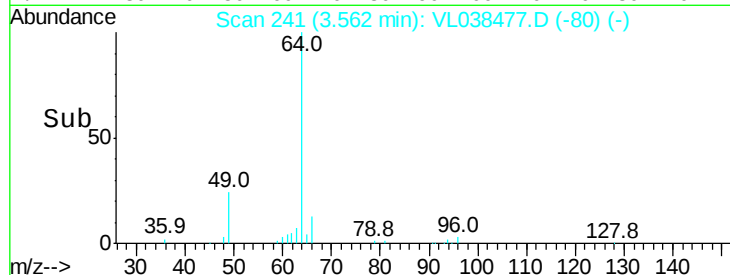
60000

40000

20000

0

Time--> 3.50 3.55 3.60 3.65



#8

Dichlorotetrafluoroethane

Concen: 9.71 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL038477.D

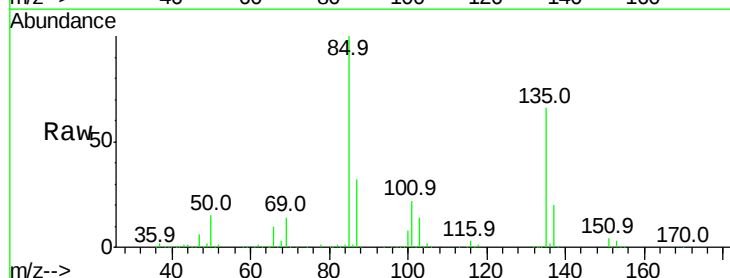
Acq: 2 Mar 2022 11:48

Tgt Ion: 85 Resp: 1356966

Ion Ratio Lower Upper

85 100

135 66.8 54.1 81.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

800000

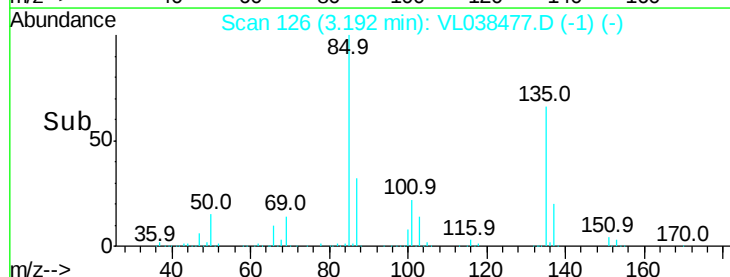
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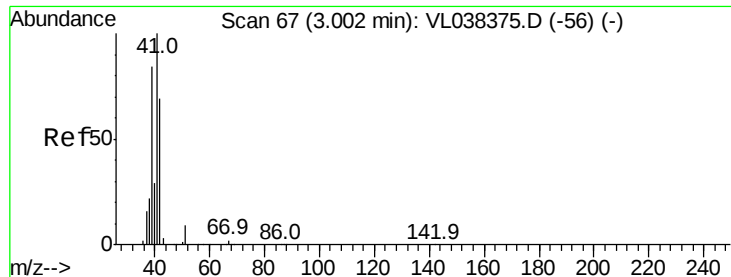
400000

200000

0

Time--> 3.10 3.15 3.20 3.25 3.30





#9

Propene

Concen: 9.43 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0302ABS01

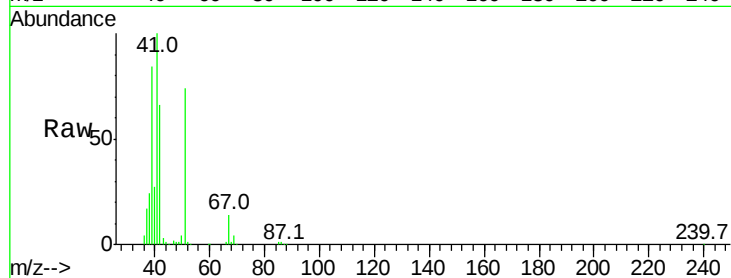
Acq: 2 Mar 2022 11:48

Tgt Ion: 41 Resp: 521664

Ion Ratio Lower Upper

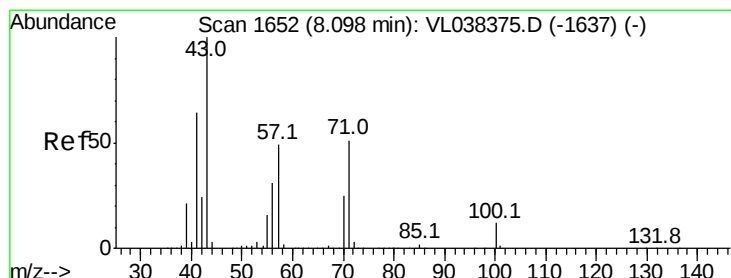
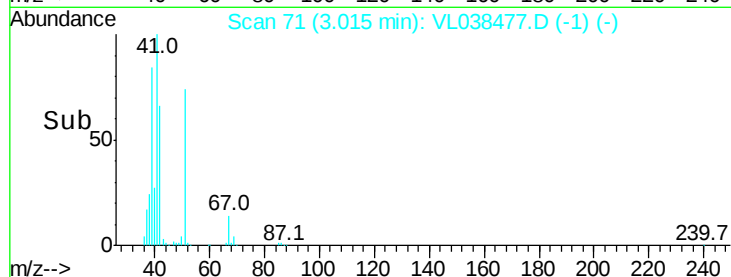
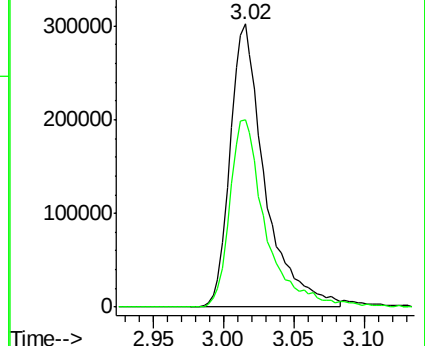
41 100

42 69.0 54.6 82.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.95 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.02 min

Lab File: VL038477.D

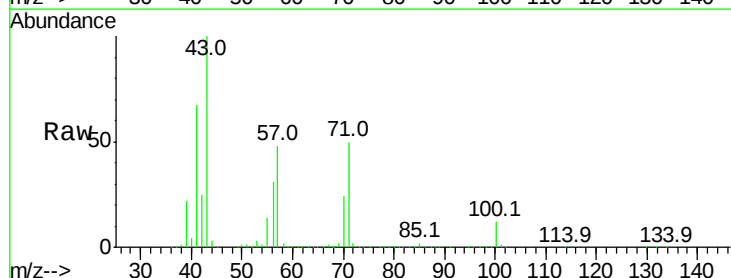
Acq: 2 Mar 2022 11:48

Tgt Ion: 43 Resp: 1339820

Ion Ratio Lower Upper

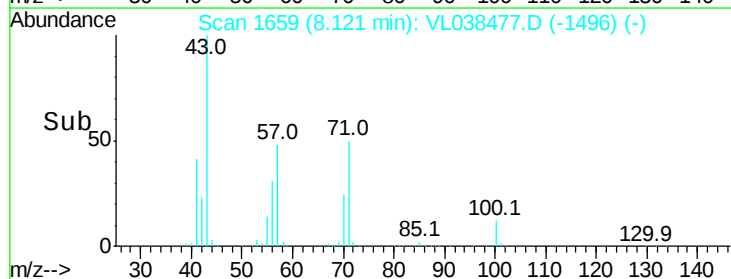
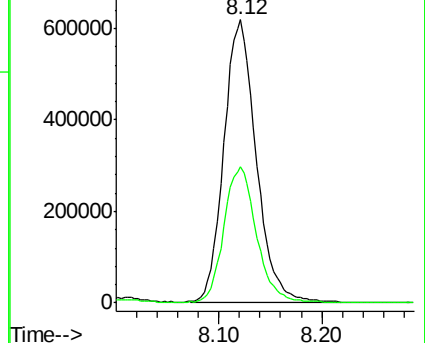
43 100

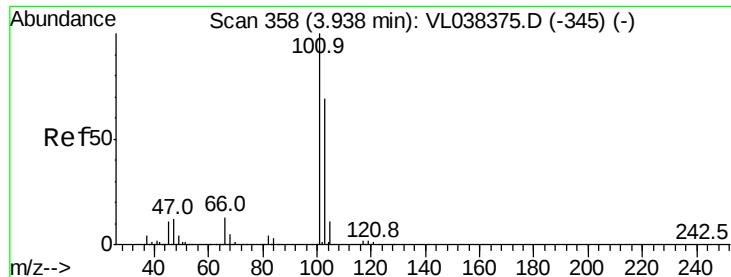
57 49.0 39.8 59.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

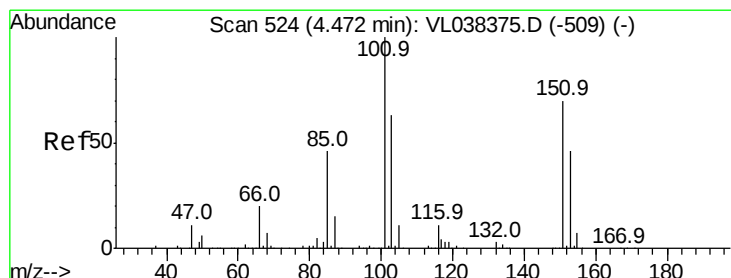
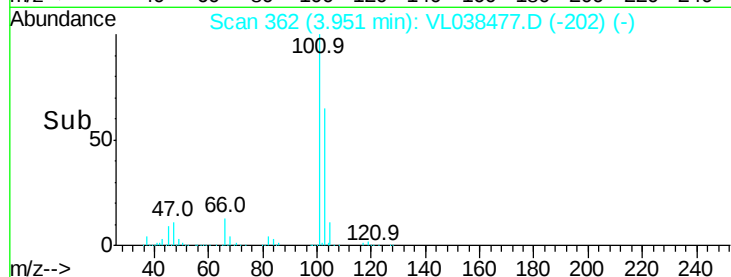
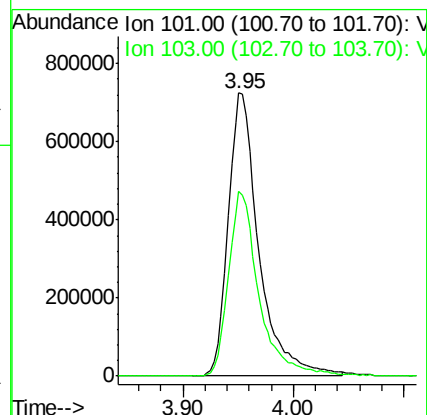
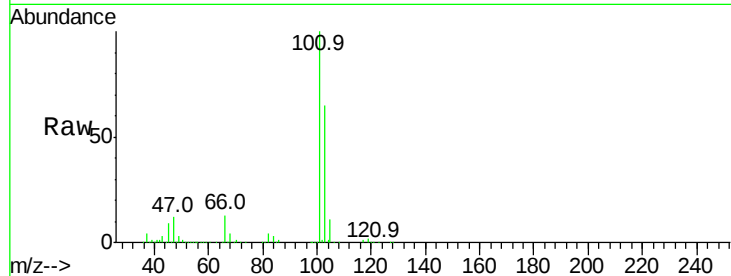
Ion 57.10 (56.80 to 57.80): VL0





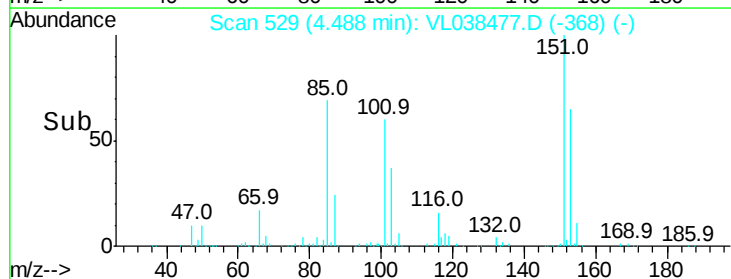
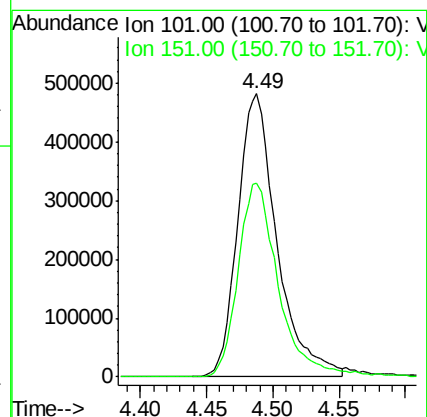
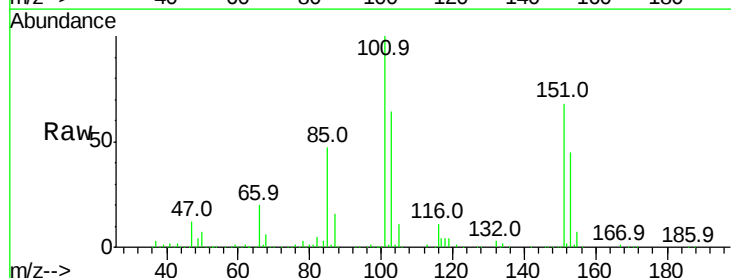
#11
 Trichlorofluoromethane
 Concen: 9.72 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0302ABS01
 Acq: 2 Mar 2022 11:48

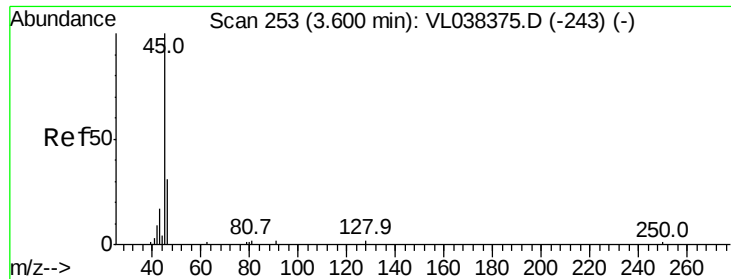
Tgt Ion:101 Resp: 1398808
 Ion Ratio Lower Upper
 101 100
 103 65.3 55.0 82.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.40 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.02 min
 Lab File: VL038477.D
 Acq: 2 Mar 2022 11:48

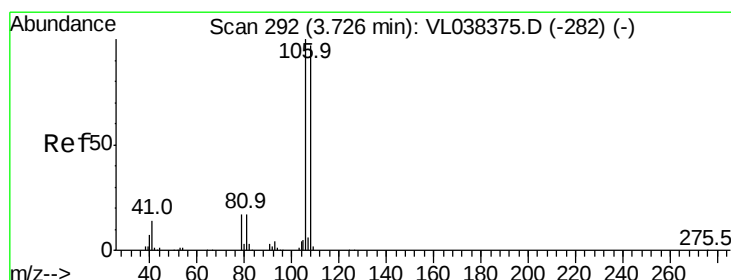
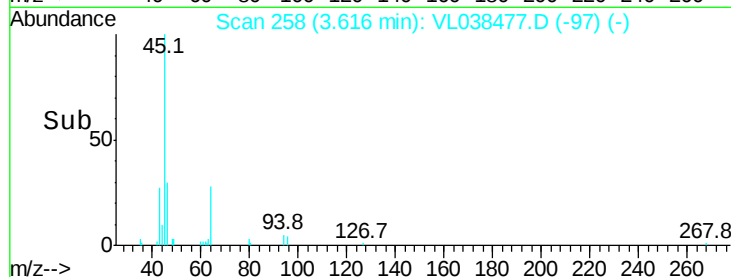
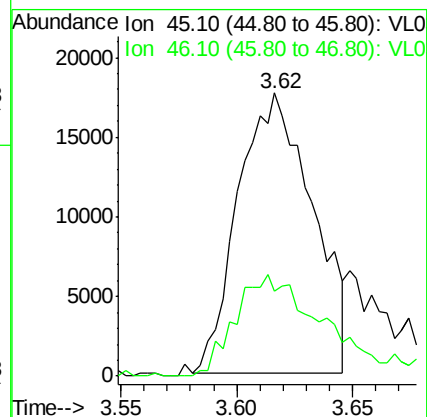
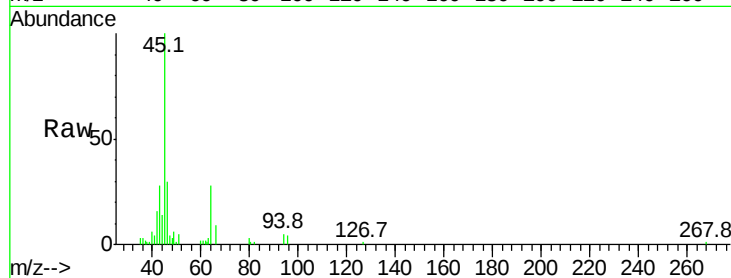
Tgt Ion:101 Resp: 991441
 Ion Ratio Lower Upper
 101 100
 151 71.0 55.9 83.9





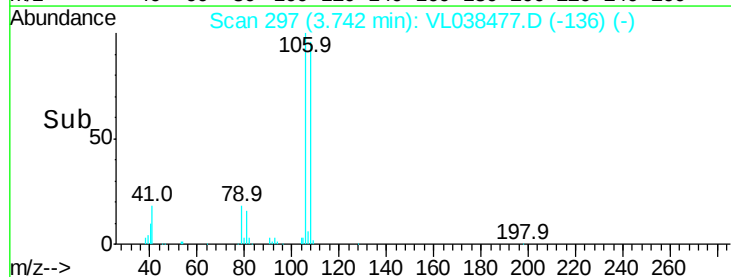
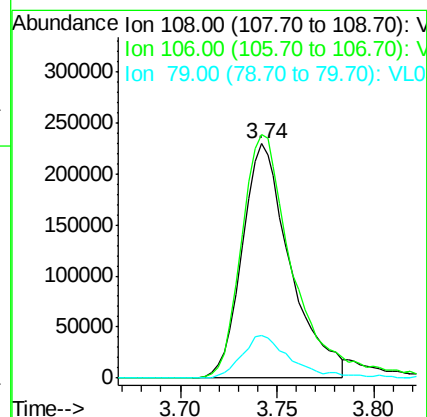
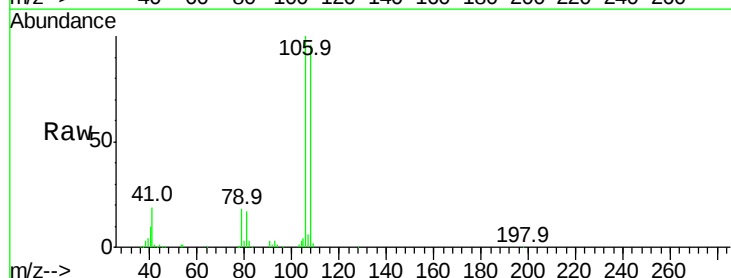
#13
 Ethanol
 Concen: 7.13 ppbv
 RT: 3.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0302ABS01
 Acq: 2 Mar 2022 11:48

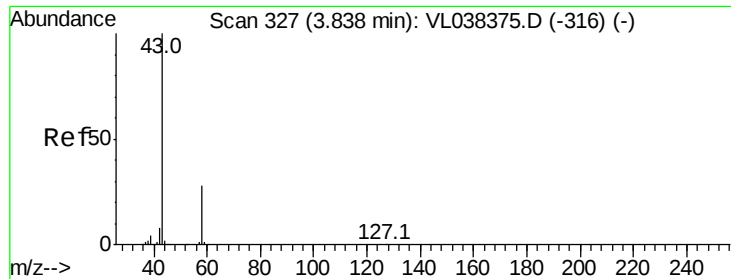
Tgt Ion: 45 Resp: 39377
 Ion Ratio Lower Upper
 45 100
 46 47.3 18.2 72.8



#14
 Bromoethene
 Concen: 9.42 ppbv
 RT: 3.74 min Scan# 297
 Delta R.T. 0.02 min
 Lab File: VL038477.D
 Acq: 2 Mar 2022 11:48

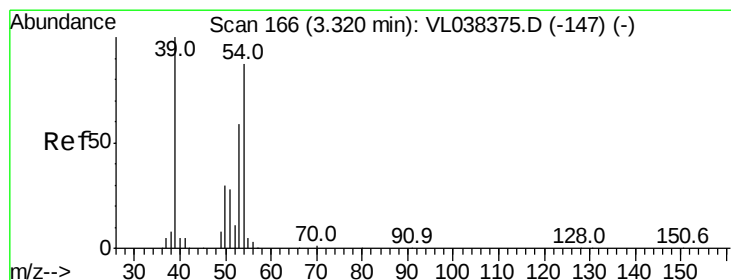
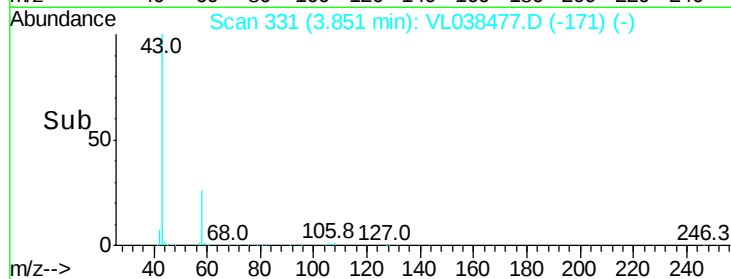
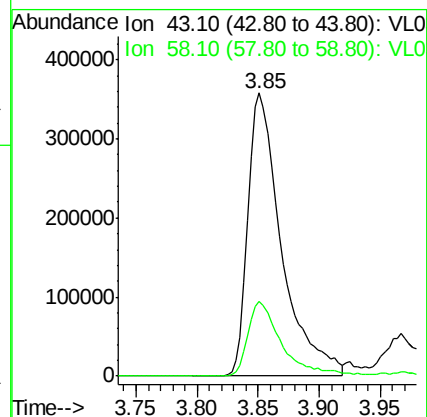
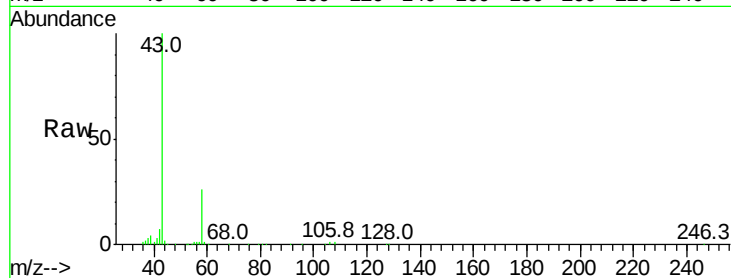
Tgt Ion: 108 Resp: 395764
 Ion Ratio Lower Upper
 108 100
 106 113.9 88.4 132.6
 79 19.5 15.0 22.6





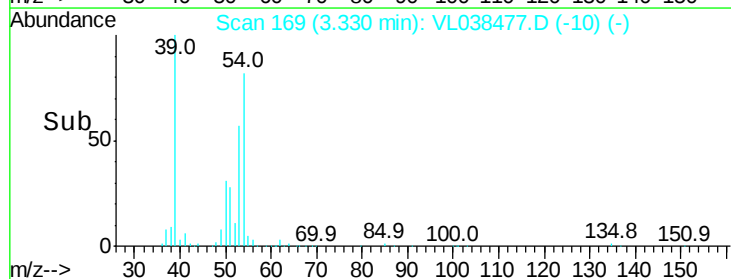
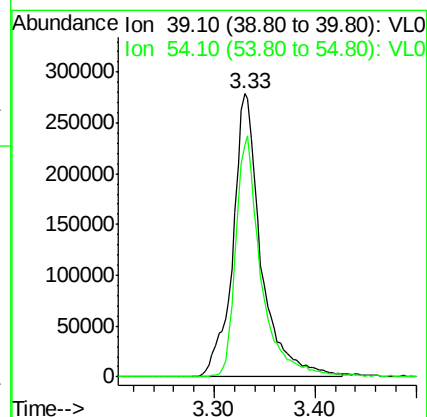
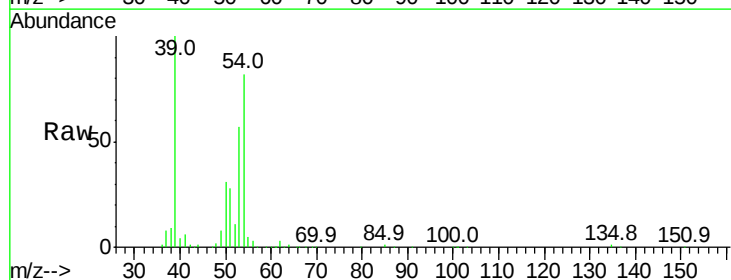
#15
Acetone
Concen: 8.41 ppbv
RT: 3.85
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Mar 2022 11:48

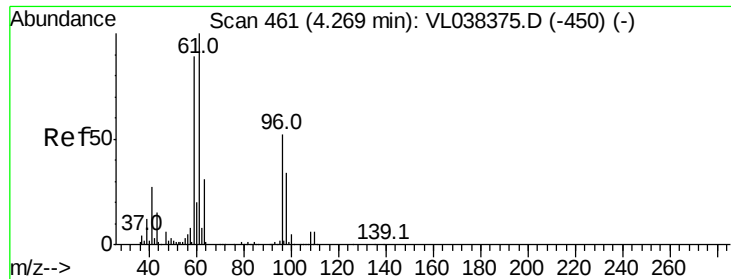
Tgt Ion: 43 Resp: 678236
Ion Ratio Lower Upper
43 100
58 26.7 21.7 32.5



#16
1,3-Butadiene
Concen: 10.12 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.01 min
Lab File: VL038477.D
Acq: 2 Mar 2022 11:48

Tgt Ion: 39 Resp: 545318
Ion Ratio Lower Upper
39 100
54 76.6 60.3 90.5





#17

tert-Butyl alcohol

Concen: 10.08 ppbv

RT: 4.29

Instrument: MSVOA_1

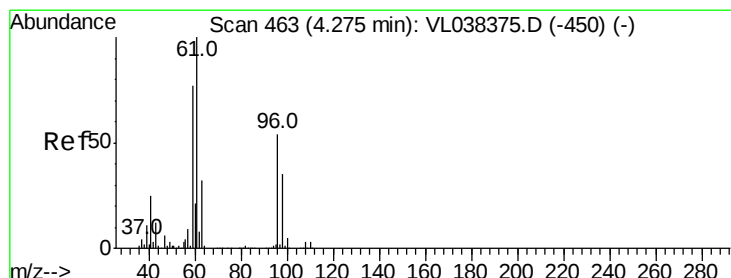
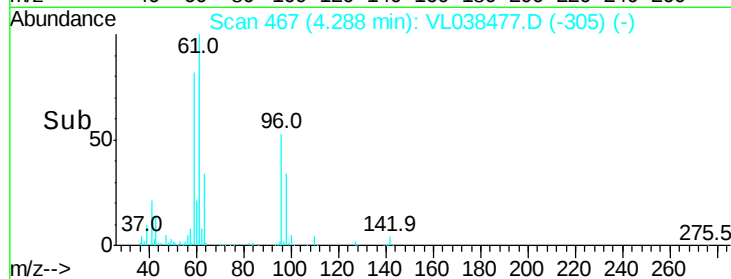
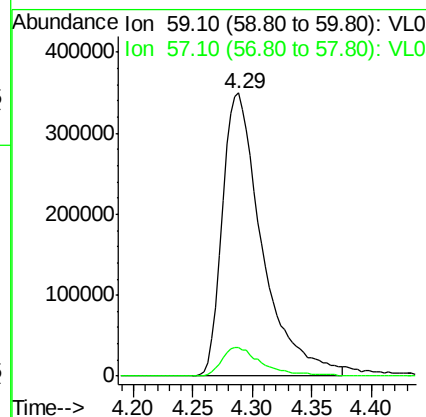
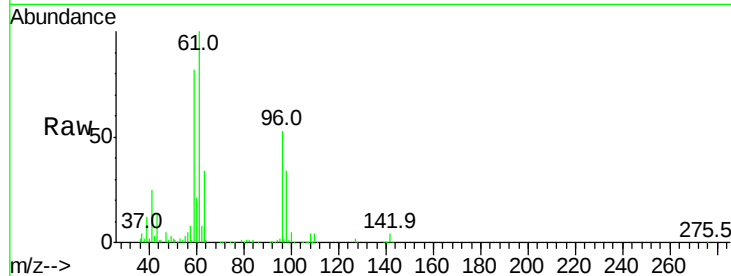
Delta R.T. ClientSampleId:

Lab File: VL0302ABS01

Acq: 2 Mar 2022 11:48

Tgt Ion: 59 Resp: 811605

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6



#18

1,1-Dichloroethene

Concen: 9.57 ppbv

RT: 4.29 min Scan# 468

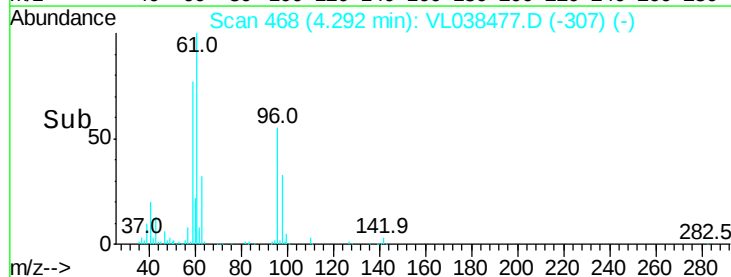
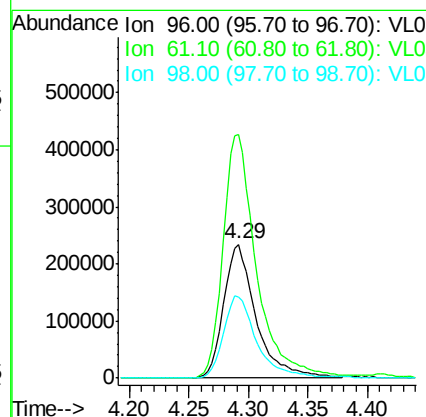
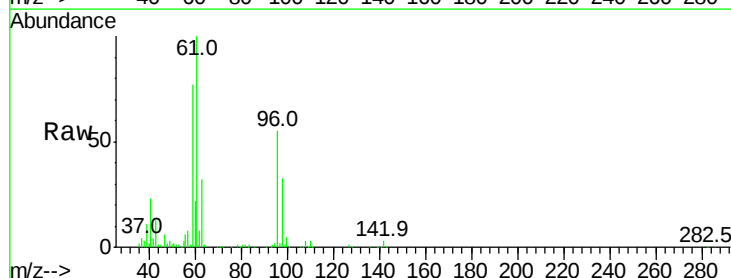
Delta R.T. 0.02 min

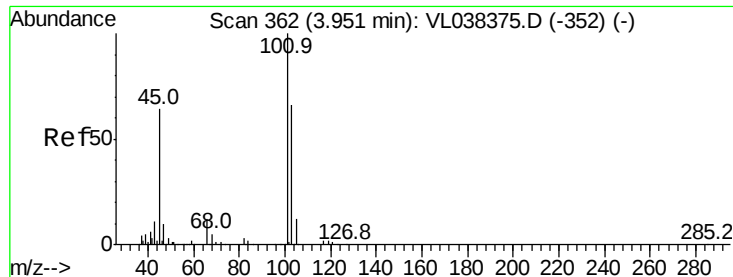
Lab File: VL038477.D

Acq: 2 Mar 2022 11:48

Tgt Ion: 96 Resp: 443010

Ion	Ratio	Lower	Upper
96	100		
61	181.8	146.8	220.2
98	60.3	51.5	77.3





#19

Isopropyl Alcohol

Concen: 9.13 ppbv

RT: 3.96 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

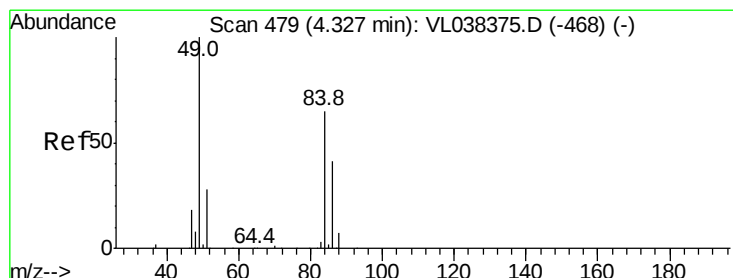
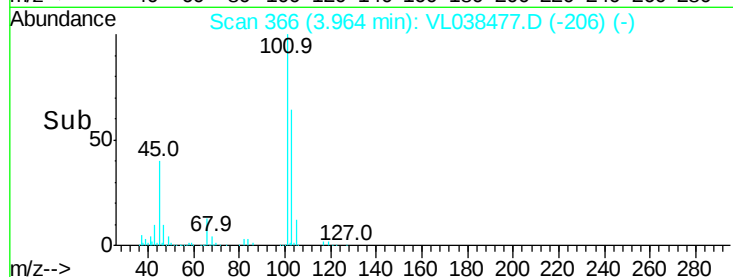
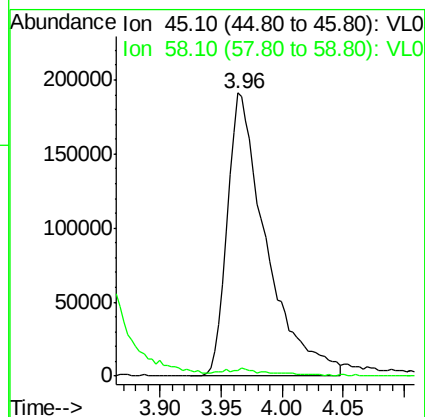
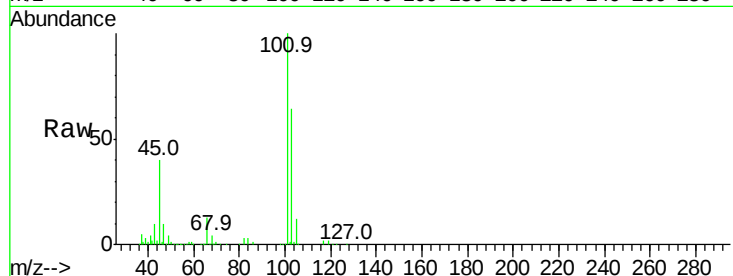
Acq: 2 Mar 2022 11:48 VL0302ABS01

Tgt Ion: 45 Resp: 426728

Ion Ratio Lower Upper

45 100

58 3.4 1.8 2.8#



#20

Methylene Chloride

Concen: 8.87 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.02 min

Lab File: VL038477.D

Acq: 2 Mar 2022 11:48

Tgt Ion: 84 Resp: 354532

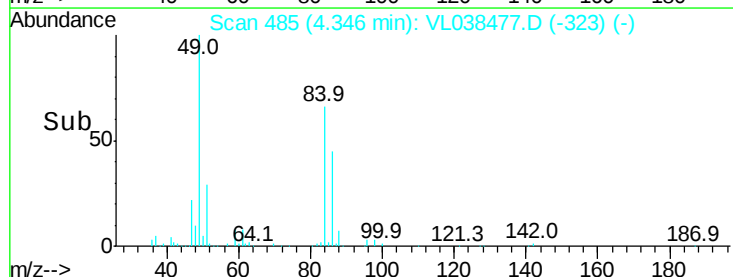
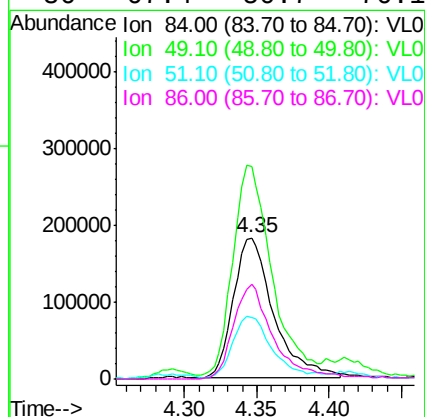
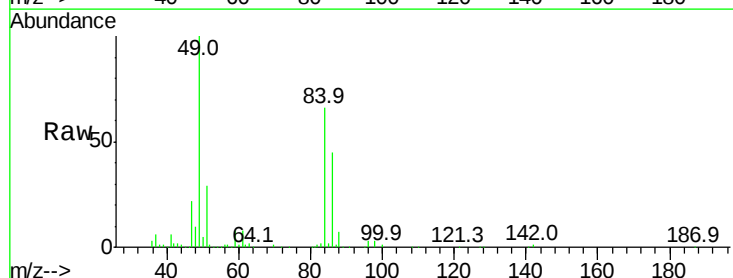
Ion Ratio Lower Upper

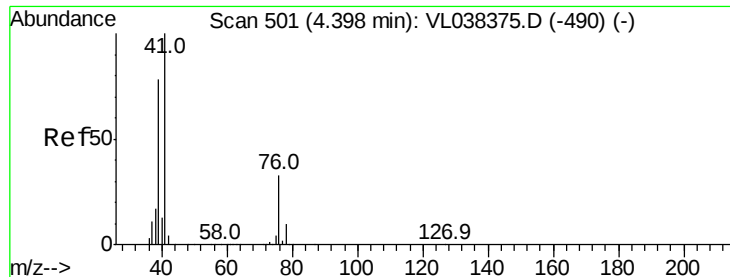
84 100

49 147.6 122.4 183.6

51 41.6 33.3 49.9

86 67.4 50.7 76.1





#21

Allyl Chloride

Concen: 9.56 ppbv

RT: 4.41 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Mar 2022 11:48 VL0302ABS01

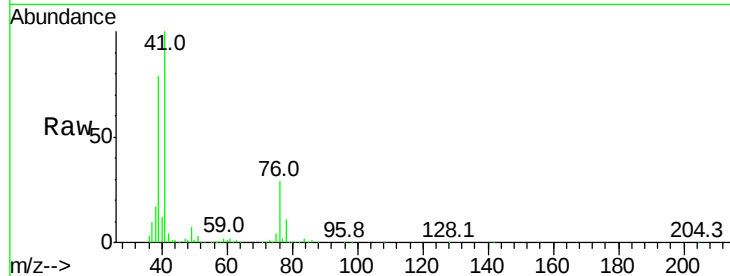
Tgt Ion: 41 Resp: 651457

Ion Ratio Lower Upper

41 100

76 31.3 25.4 38.0

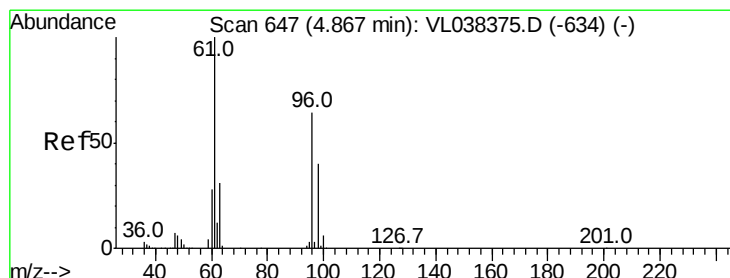
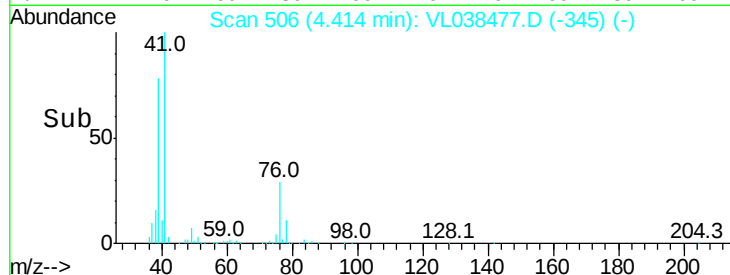
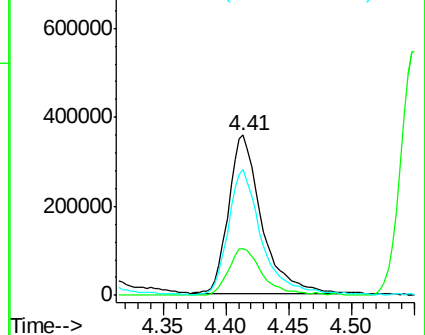
39 79.5 63.0 94.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.90 ppbv

RT: 4.89 min Scan# 653

Delta R.T. 0.02 min

Lab File: VL038477.D

Acq: 2 Mar 2022 11:48

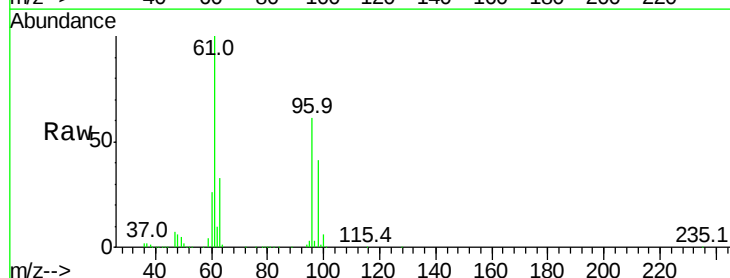
Tgt Ion: 96 Resp: 462417

Ion Ratio Lower Upper

96 100

61 164.0 124.2 186.4

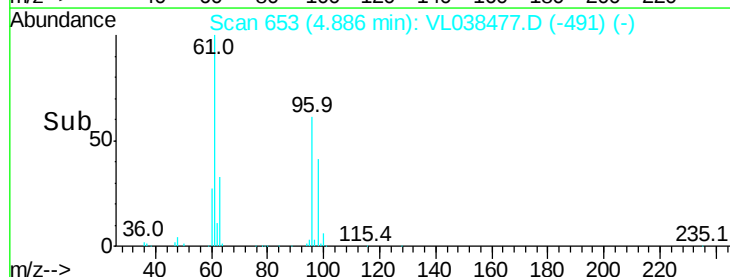
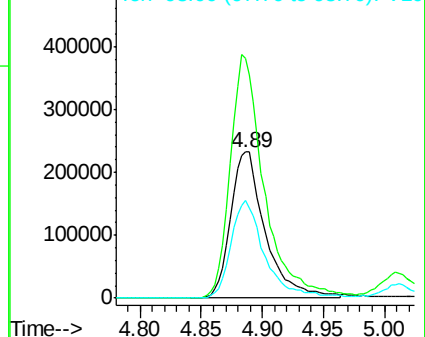
98 66.5 49.1 73.7

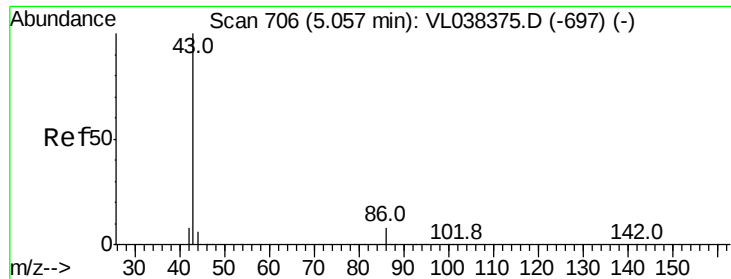


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

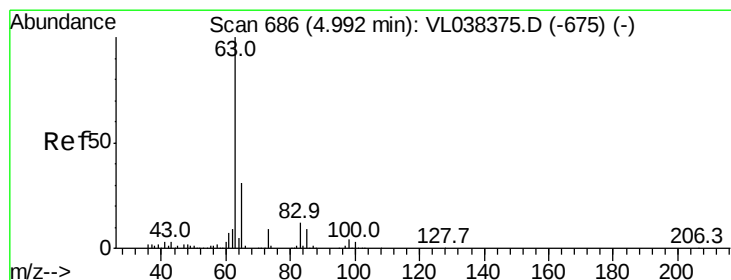
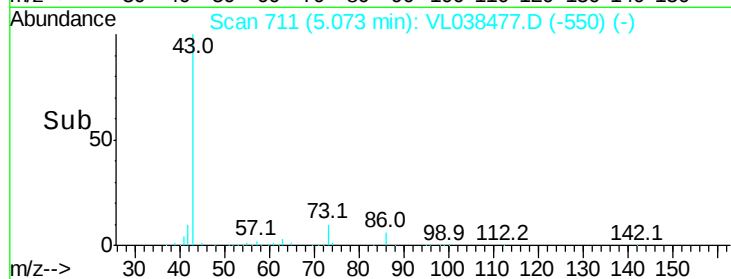
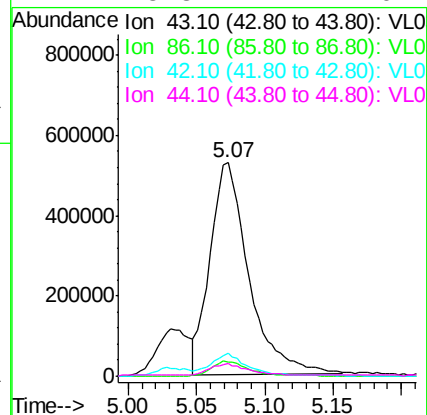
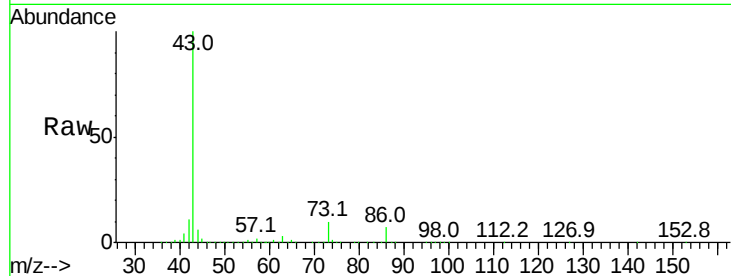




#23
 Vinyl Acetate
 Concen: 9.80 ppbv
 RT: 5.07
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0302ABS01
 Acq: 2 Mar 2022 11:48

Tgt Ion: 43 Resp: 1048100

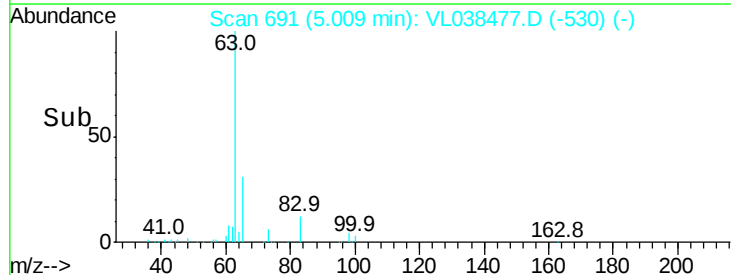
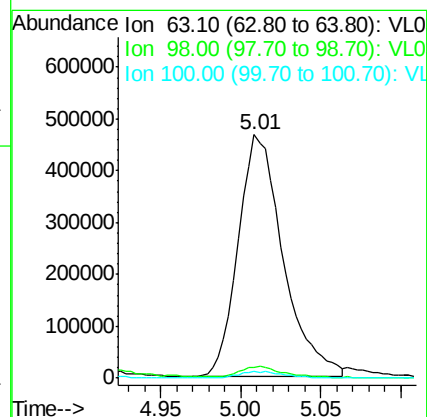
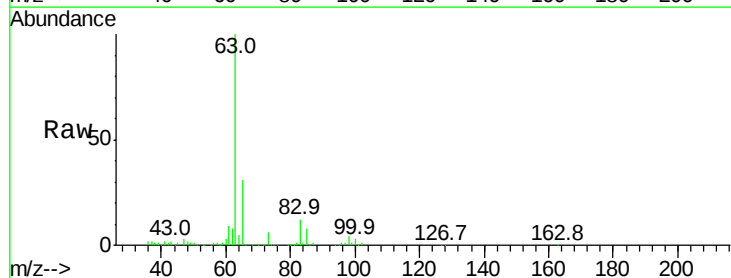
Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.8	8.6
42	10.4	7.4	11.0
44	5.3	4.2	6.2

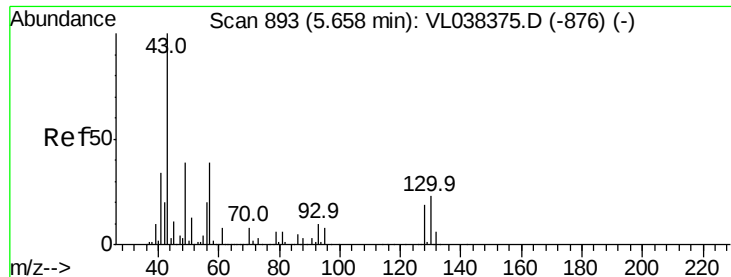


#24
 1,1-Dichloroethane
 Concen: 9.38 ppbv
 RT: 5.01 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VL038477.D
 Acq: 2 Mar 2022 11:48

Tgt Ion: 63 Resp: 902183

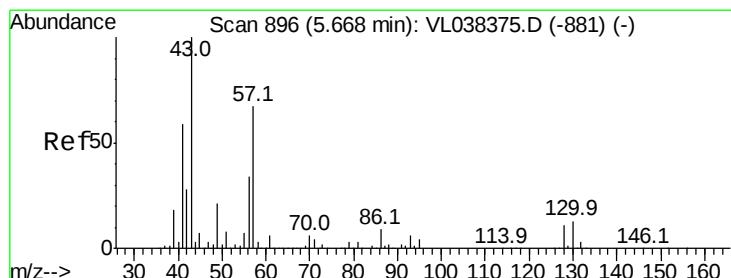
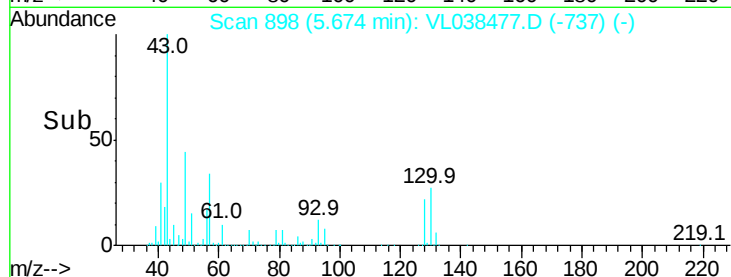
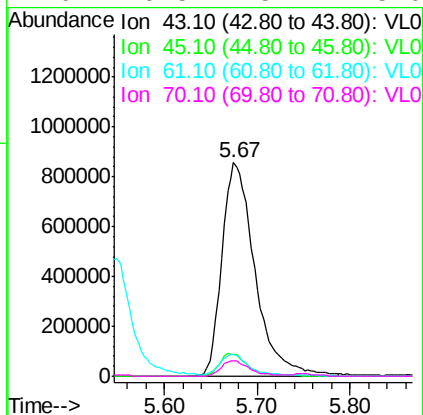
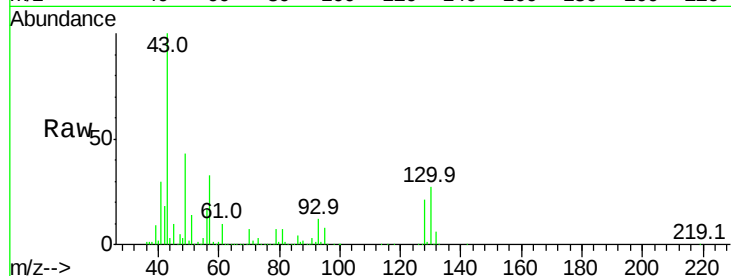
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.5
100	2.6	1.4	4.2





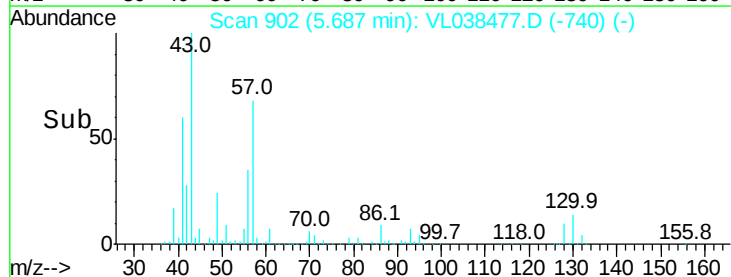
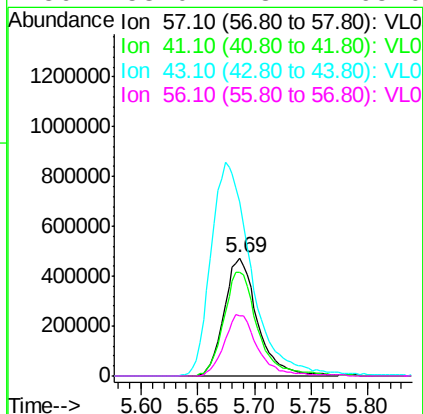
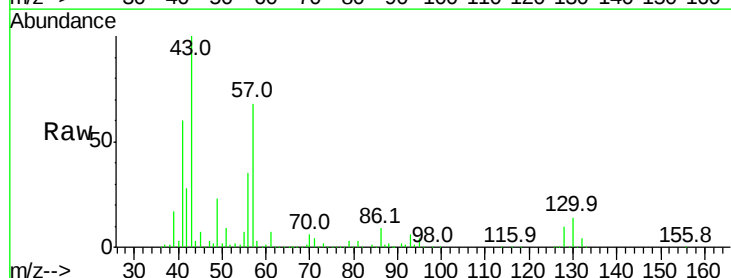
#25
Ethyl Acetate
Concen: 9.70 ppbv
RT: 5.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0302ABS01
Acq: 2 Mar 2022 11:48

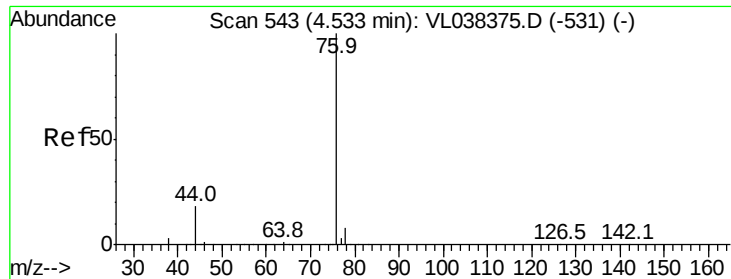
Tgt Ion:	43	Resp:	2102900
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.6
61	9.7	7.5	11.3
70	6.5	5.4	8.0



#26
Hexane
Concen: 9.84 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL038477.D
Acq: 2 Mar 2022 11:48

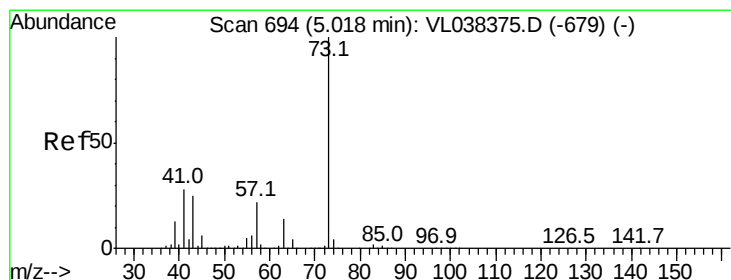
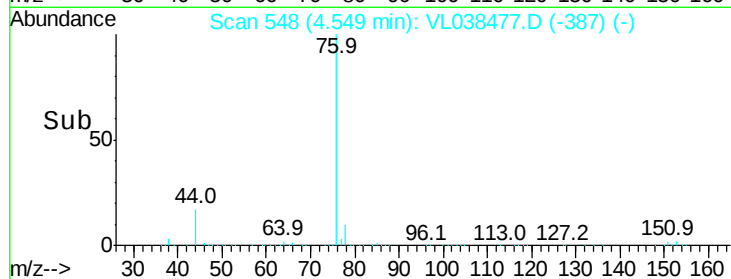
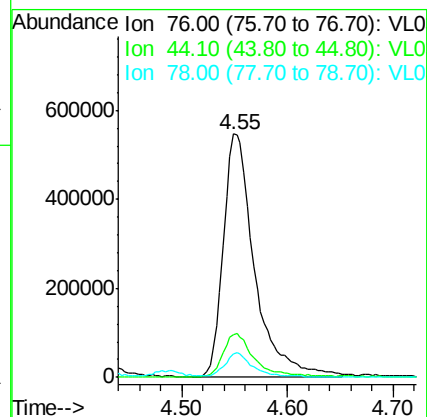
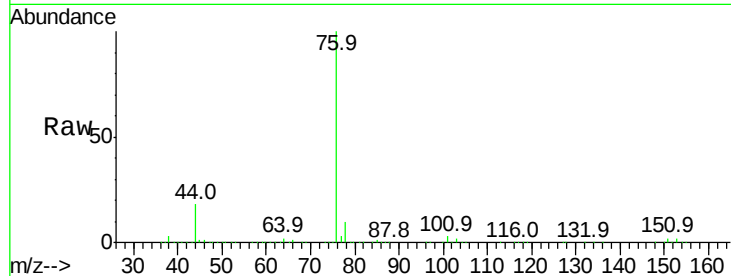
Tgt Ion:	57	Resp:	965903
Ion	Ratio	Lower	Upper
57	100		
41	91.2	73.1	109.7
43	220.3	181.0	271.4
56	53.0	43.4	65.0





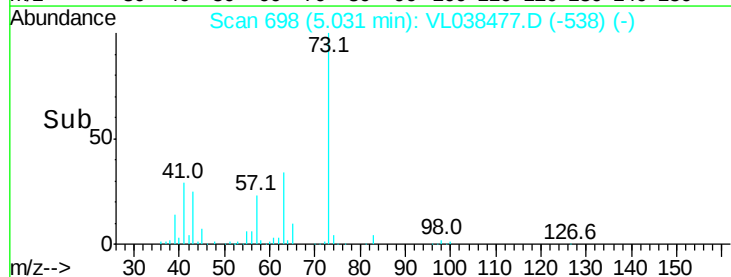
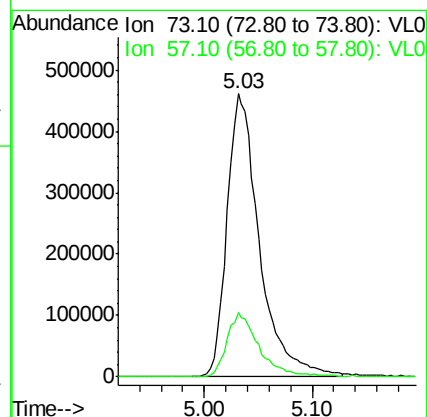
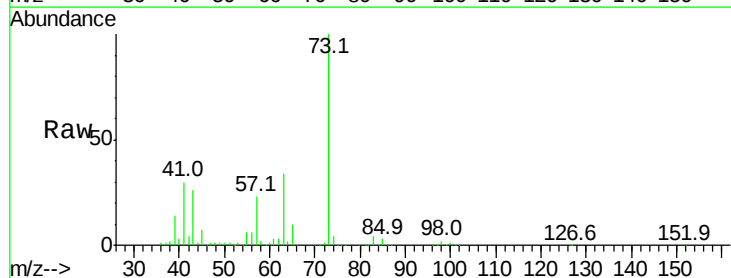
#27
 Carbon Disulfide
 Concen: 10.25 ppbv
 RT: 4.55
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 2 Mar 2022 11:48

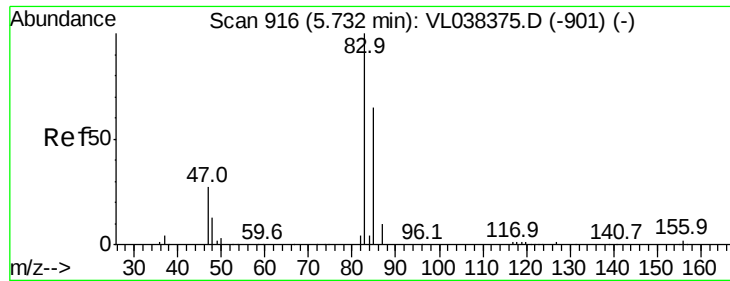
Tgt Ion: 76 Resp: 1119265
 Ion Ratio Lower Upper
 76 100
 44 17.7 14.2 21.2
 78 9.8 7.8 11.6



#28
 Methyl tert-Butyl Ether
 Concen: 9.65 ppbv
 RT: 5.03 min Scan# 698
 Delta R.T. 0.01 min
 Lab File: VL038477.D
 Acq: 2 Mar 2022 11:48

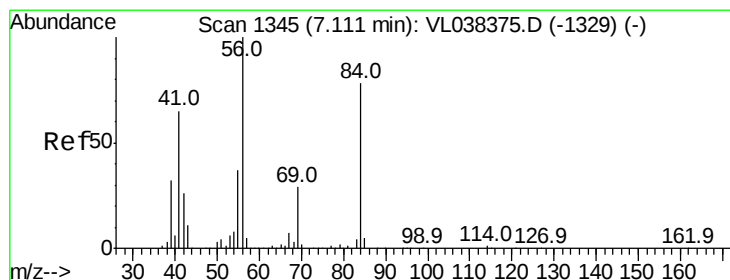
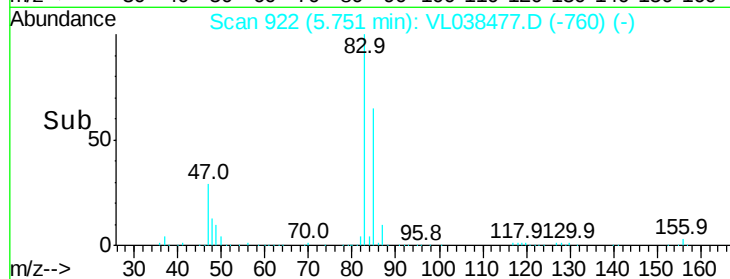
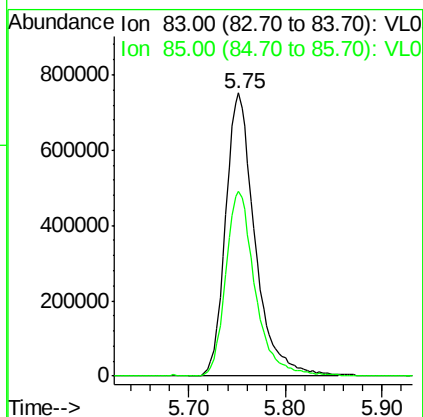
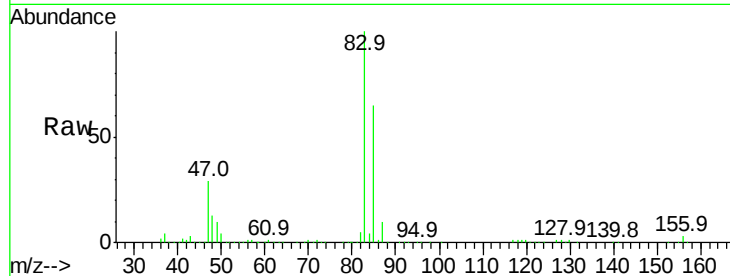
Tgt Ion: 73 Resp: 964625
 Ion Ratio Lower Upper
 73 100
 57 22.8 18.2 27.4





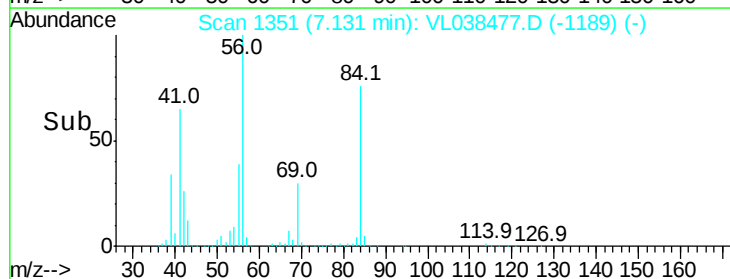
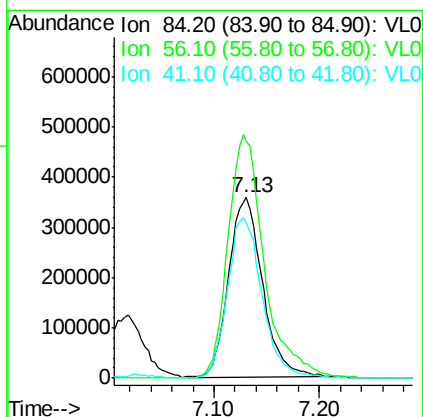
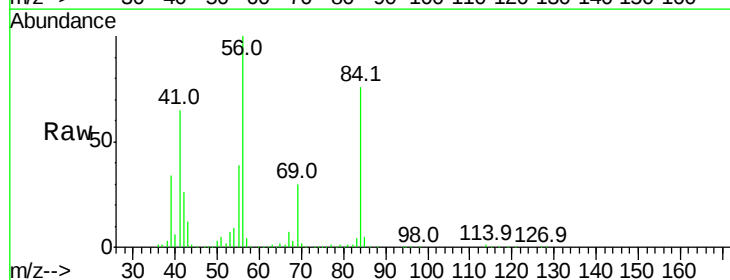
#29
Chloroform
Concen: 9.92 ppbv
RT: 5.75
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Mar 2022 11:48

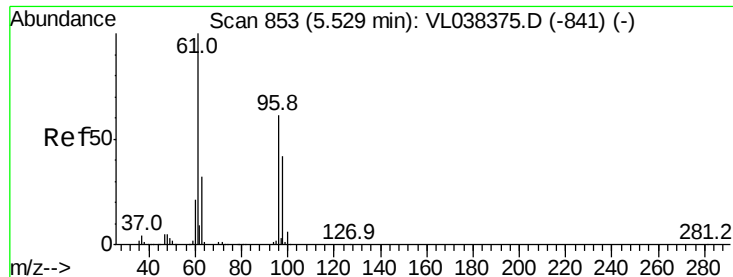
Tgt Ion: 83 Resp: 1589453
Ion Ratio Lower Upper
83 100
85 65.2 51.6 77.4



#30
Cyclohexane
Concen: 9.99 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.02 min
Lab File: VL038477.D
Acq: 2 Mar 2022 11:48

Tgt Ion: 84 Resp: 802165
Ion Ratio Lower Upper
84 100
56 144.5 116.2 174.4
41 91.2 74.3 111.5





#31

cis-1,2-Dichloroethene

Concen: 10.15 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 11:48 VL0302ABS01

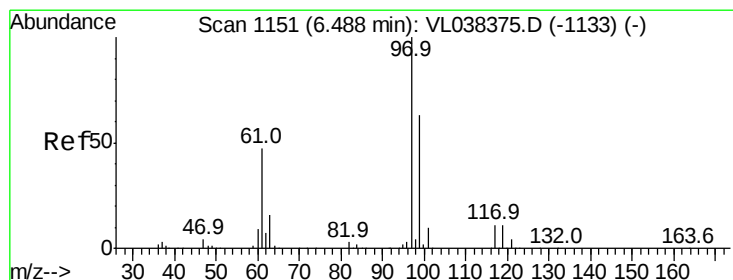
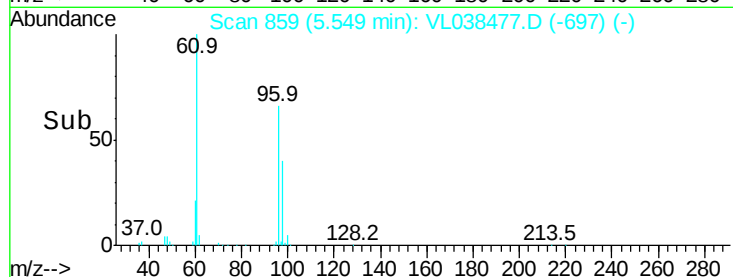
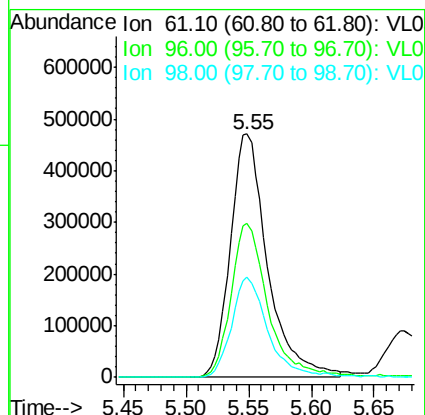
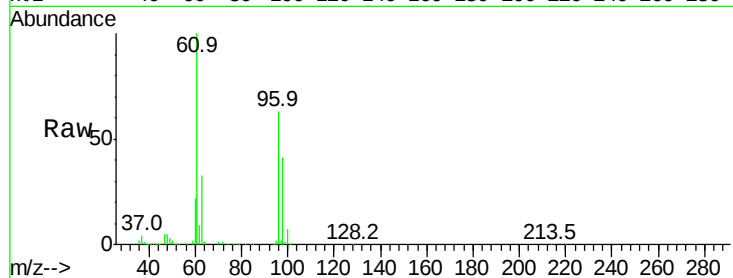
Tgt Ion: 61 Resp: 965846

Ion Ratio Lower Upper

61 100

96 63.4 48.6 73.0

98 41.1 33.2 49.8



#32

1,1,1-Trichloroethane

Concen: 9.81 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. 0.02 min

Lab File: VL038477.D

Acq: 2 Mar 2022 11:48

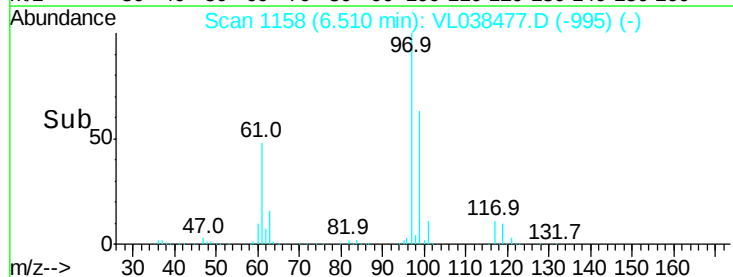
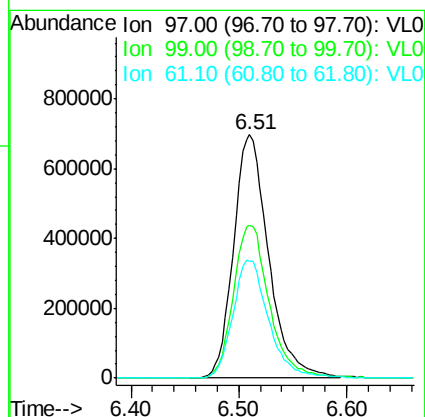
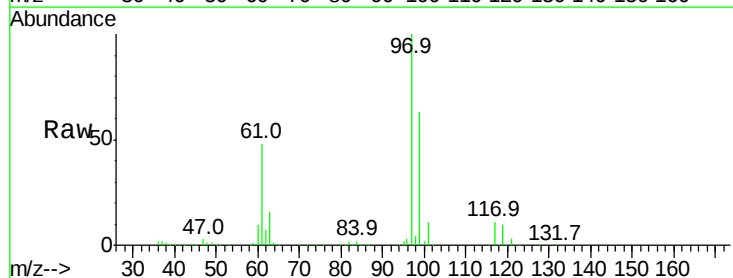
Tgt Ion: 97 Resp: 1580610

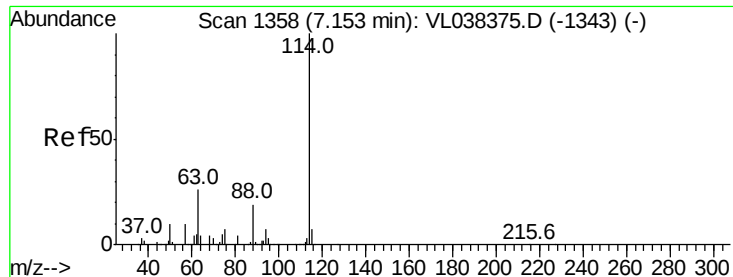
Ion Ratio Lower Upper

97 100

99 64.5 51.9 77.9

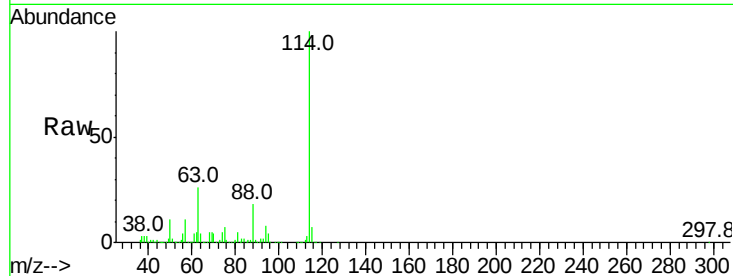
61 49.4 40.5 60.7



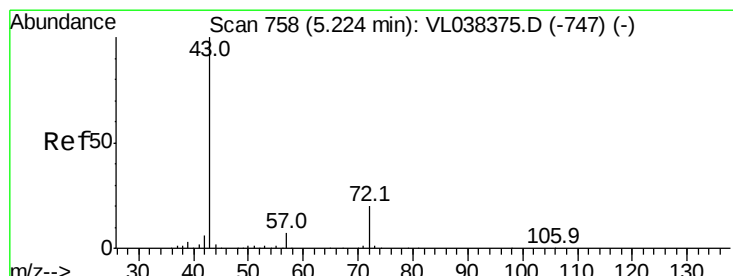
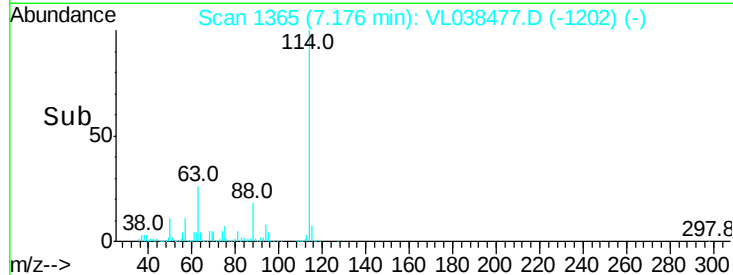
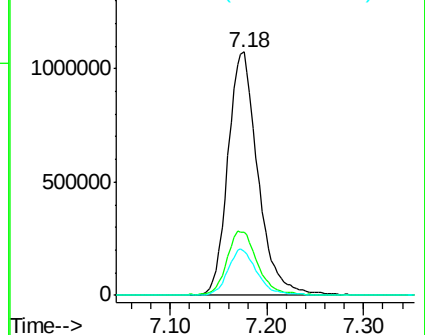


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0302ABS01
 Acq: 2 Mar 2022 11:48

Tgt Ion: 114 Resp: 2318206
 Ion Ratio Lower Upper
 114 100
 63 27.3 22.2 33.2
 88 18.6 15.2 22.8

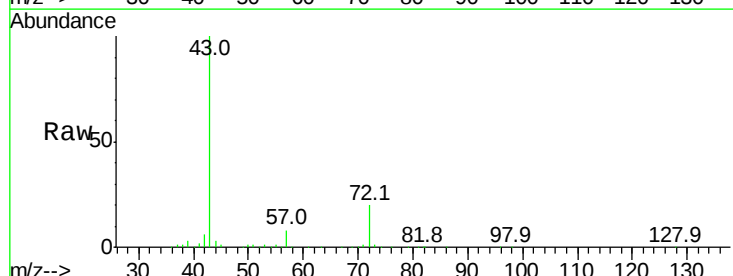


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

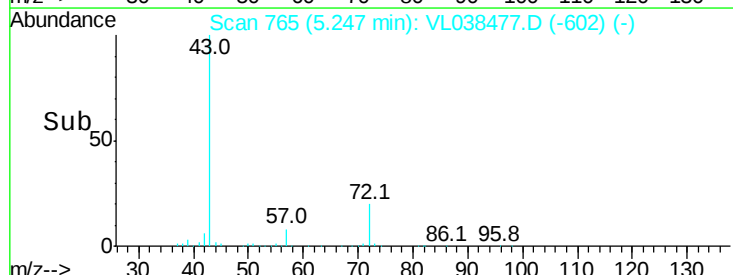
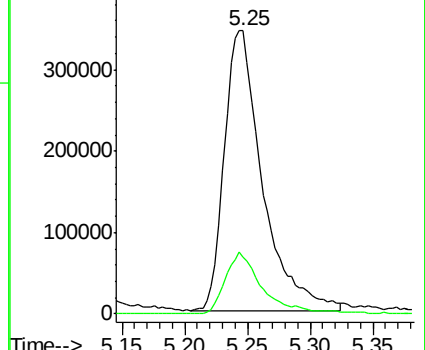


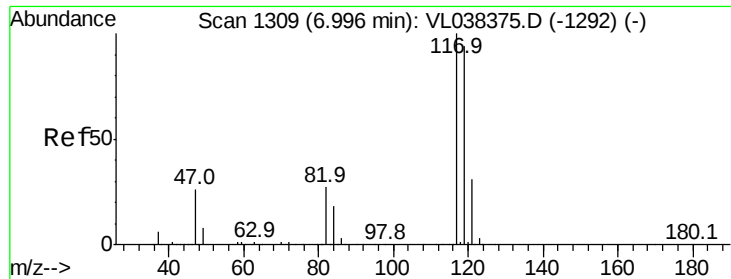
#34
 2-Butanone
 Concen: 9.97 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.02 min
 Lab File: VL038477.D
 Acq: 2 Mar 2022 11:48

Tgt Ion: 43 Resp: 726642
 Ion Ratio Lower Upper
 43 100
 72 22.0 17.4 26.2



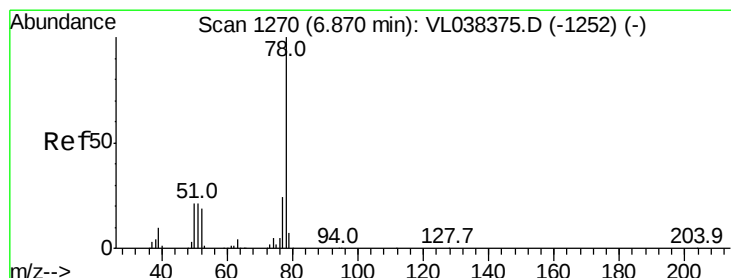
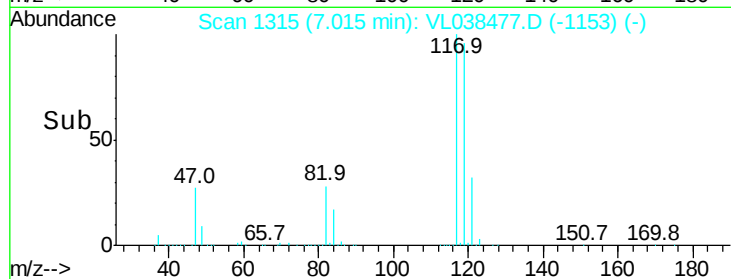
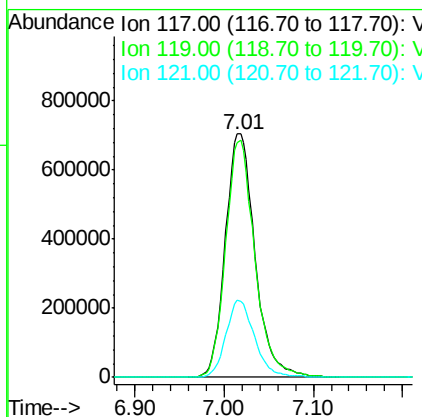
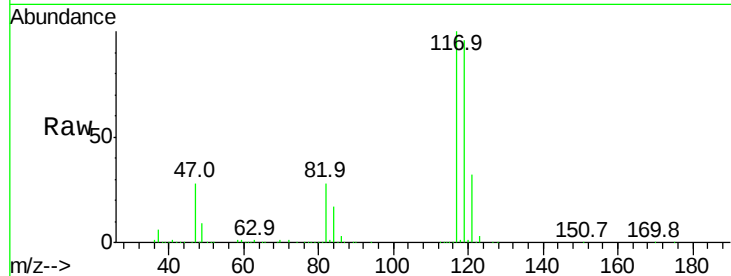
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





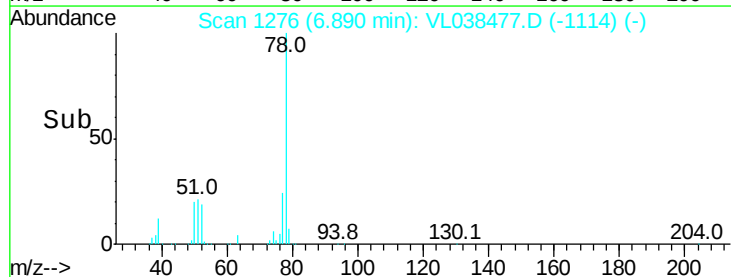
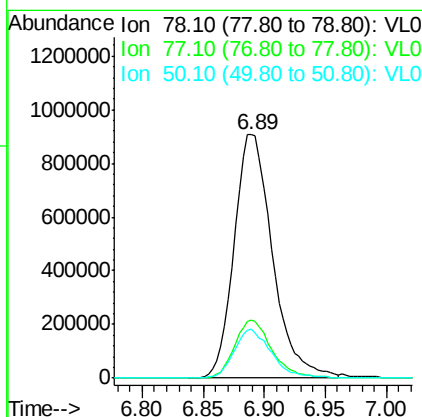
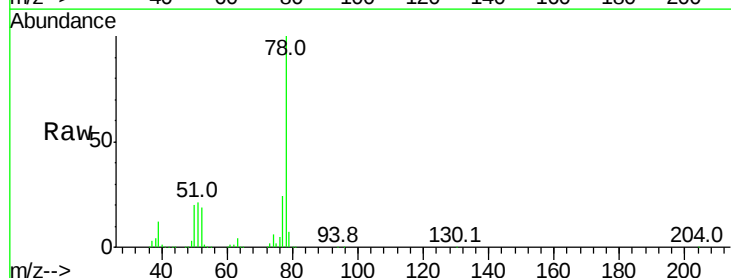
#35
Carbon Tetrachloride
Concen: 9.98 ppbv
RT: 7.01 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0302ABS01
Acq: 2 Mar 2022 11:48

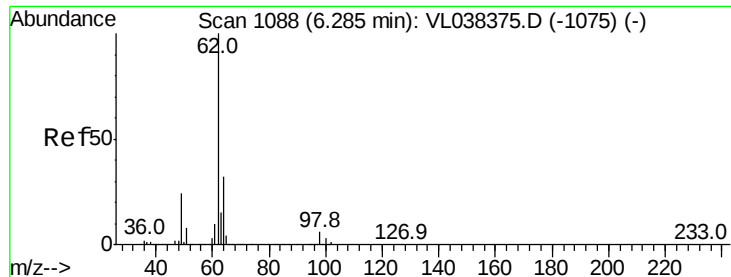
Tgt Ion: 117 Resp: 1626876
Ion Ratio Lower Upper
117 100
119 96.4 74.9 112.3
121 31.9 24.8 37.2



#36
Benzene
Concen: 9.69 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.02 min
Lab File: VL038477.D
Acq: 2 Mar 2022 11:48

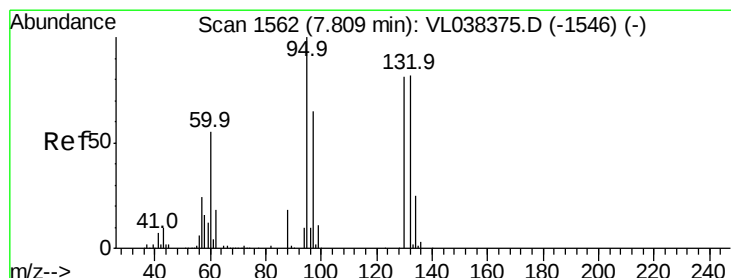
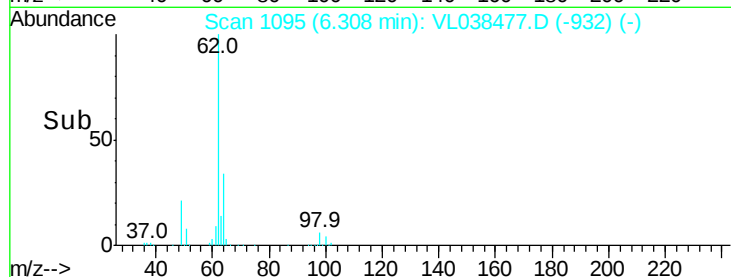
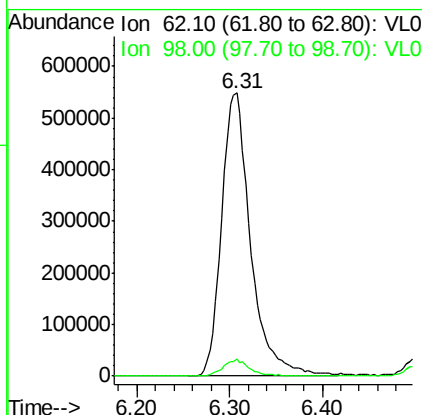
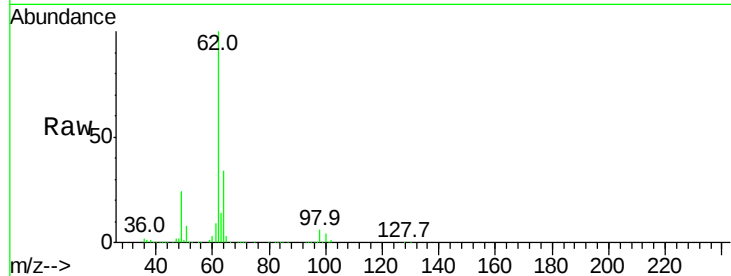
Tgt Ion: 78 Resp: 1977785
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6
50 19.8 16.6 24.8





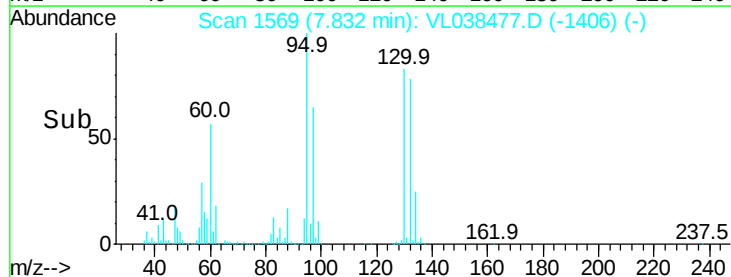
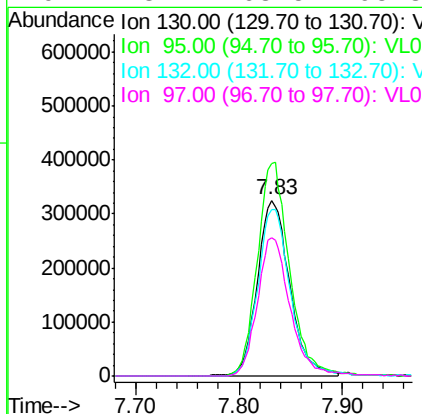
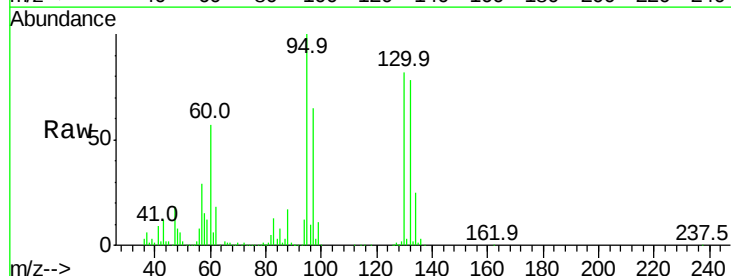
#37
 1,2-Dichloroethane
 Concen: 10.14 ppbv
 RT: 6.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0302ABS01
 Acq: 2 Mar 2022 11:48

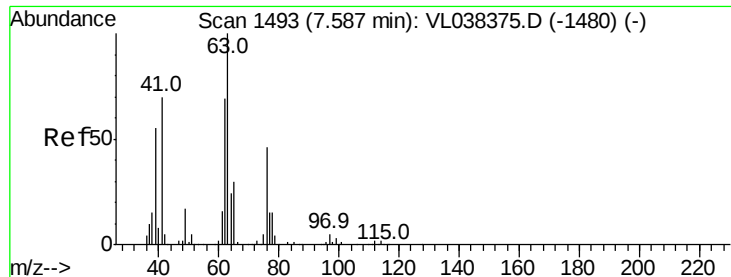
Tgt Ion: 62 Resp: 1195730
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.6 7.0



#38
 Trichloroethene
 Concen: 9.52 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.02 min
 Lab File: VL038477.D
 Acq: 2 Mar 2022 11:48

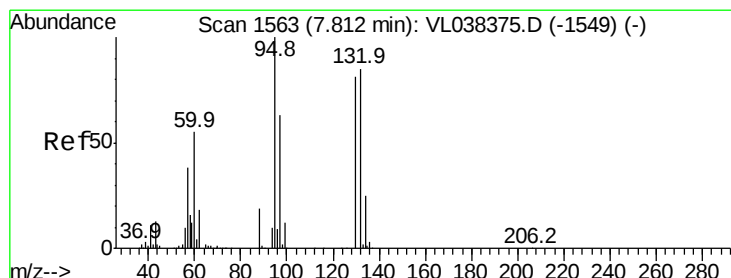
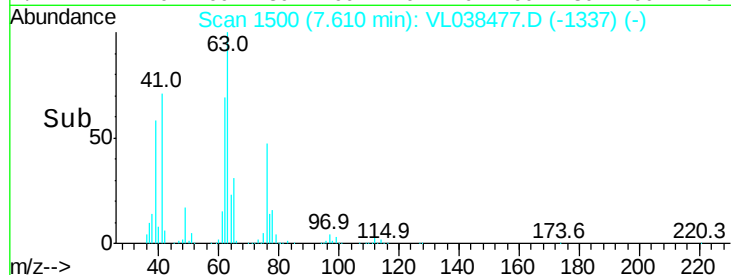
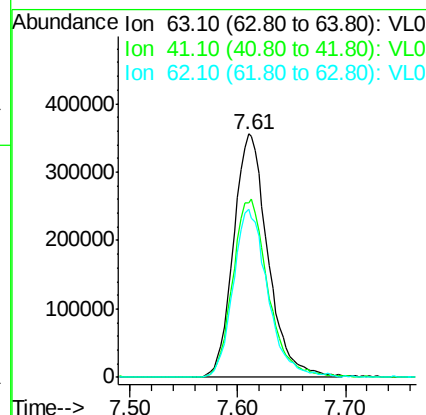
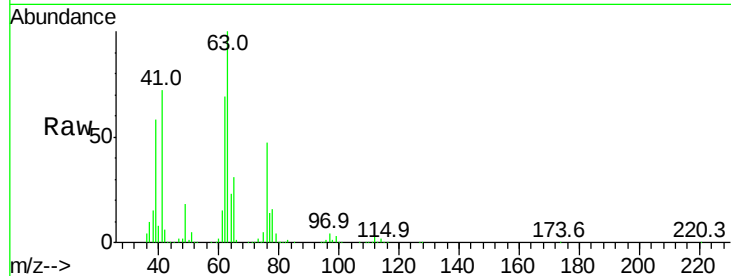
Tgt Ion: 130 Resp: 707434
 Ion Ratio Lower Upper
 130 100
 95 121.2 98.1 147.1
 132 94.7 80.3 120.5
 97 78.4 63.5 95.3





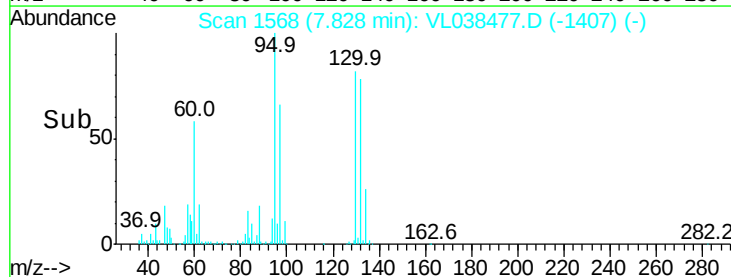
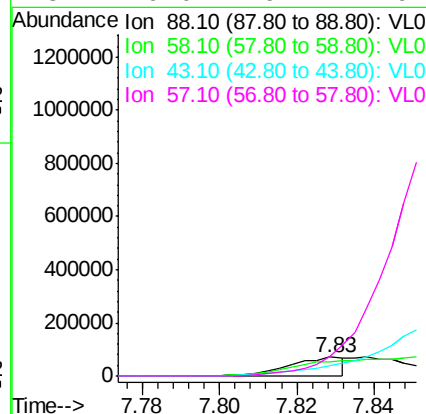
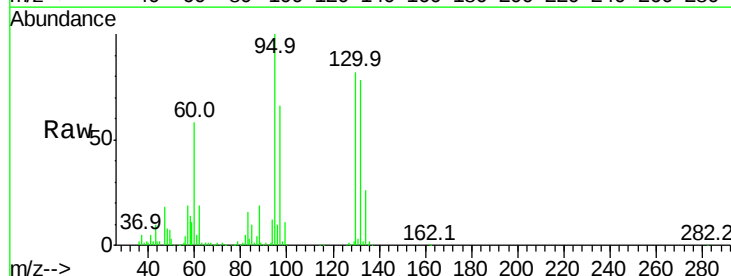
#39
 1,2-Dichloropropane
 Concen: 9.69 ppbv
 RT: 7.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0302ABS01
 Acq: 2 Mar 2022 11:48

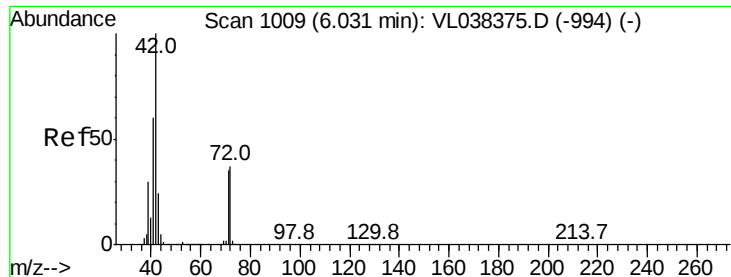
Tgt Ion: 63 Resp: 787773
 Ion Ratio Lower Upper
 63 100
 41 71.6 56.1 84.1
 62 69.1 55.5 83.3



#40
 1,4-Dioxane
 Concen: 3.57 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.02 min
 Lab File: VL038477.D
 Acq: 2 Mar 2022 11:48

Tgt Ion: 88 Resp: 68755
 Ion Ratio Lower Upper
 88 100
 58 0.0 133.2 199.8#
 43 0.0 330.6 496.0#
 57 0.0 1462.7 2194.1#





#41

Tetrahydrofuran

Concen: 10.06 ppbv

RT: 6.05 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0302ABS01

Acq: 2 Mar 2022 11:48

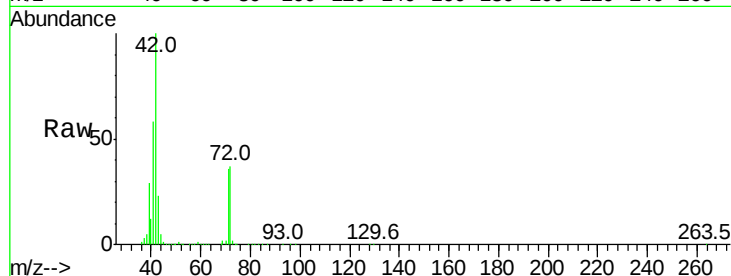
Tgt Ion: 42 Resp: 495360

Ion Ratio Lower Upper

42 100

72 36.0 29.9 44.9

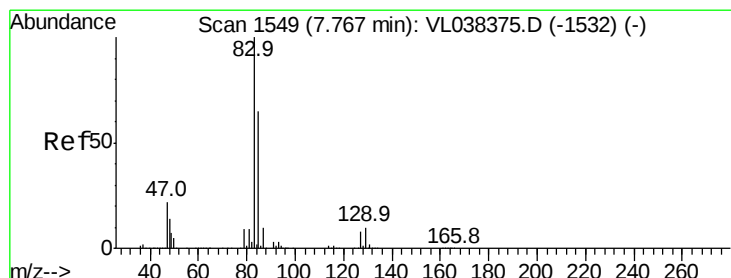
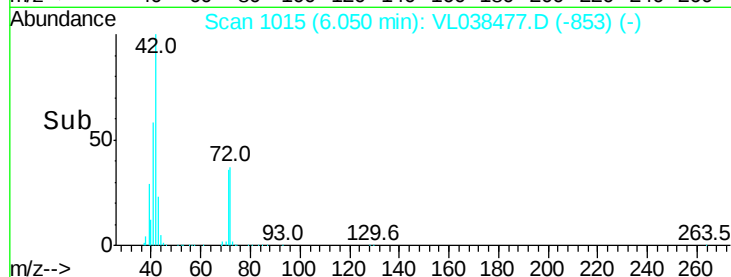
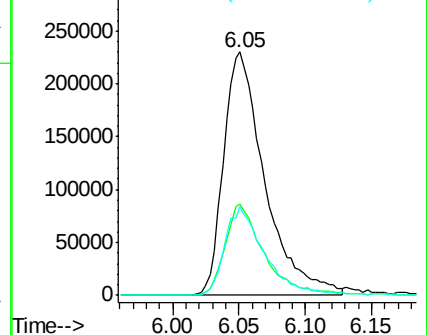
71 35.5 28.6 42.8



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.95 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. 0.02 min

Lab File: VL038477.D

Acq: 2 Mar 2022 11:48

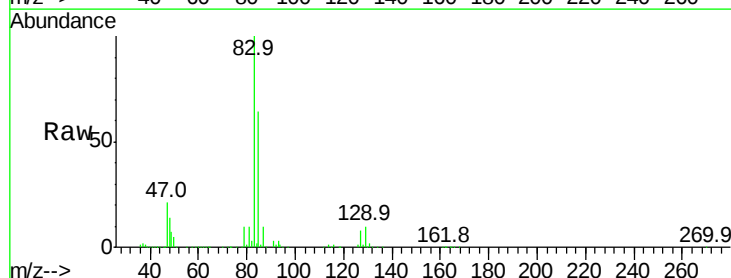
Tgt Ion: 83 Resp: 1694905

Ion Ratio Lower Upper

83 100

85 64.0 52.2 78.4

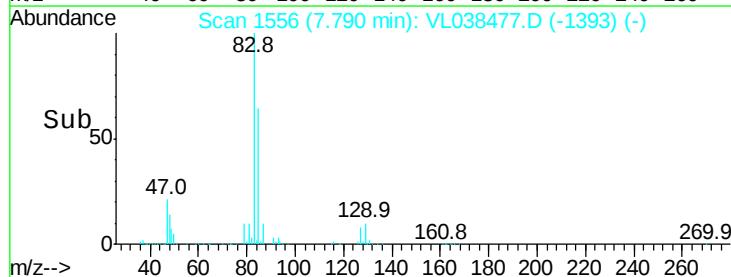
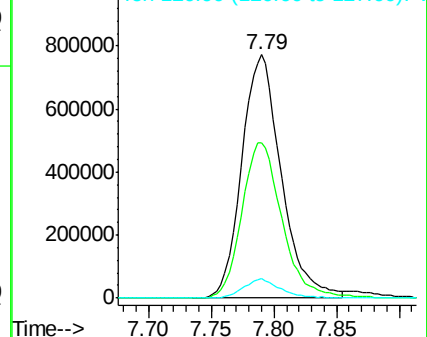
127 8.0 6.2 9.4

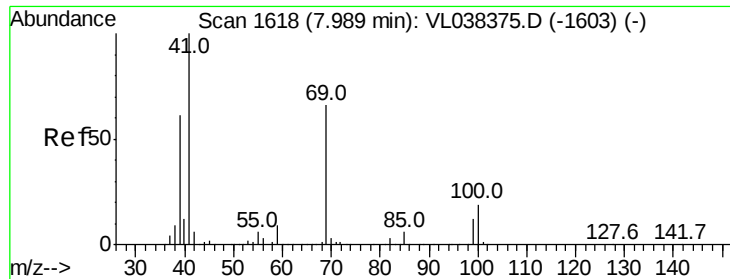


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

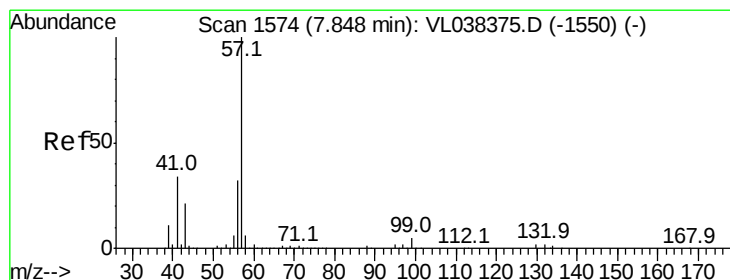
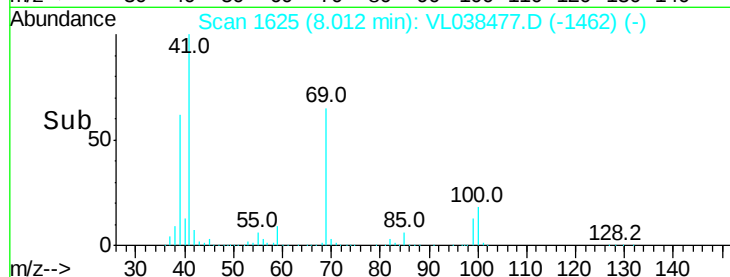
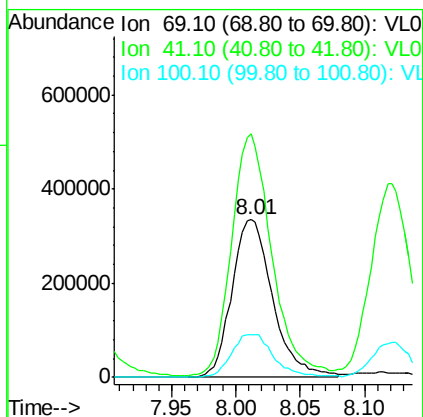
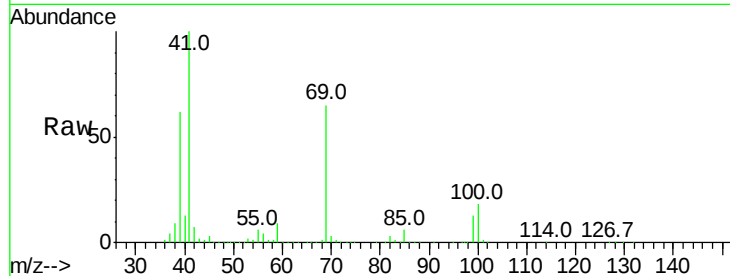
Ion 126.90 (126.60 to 127.60): V





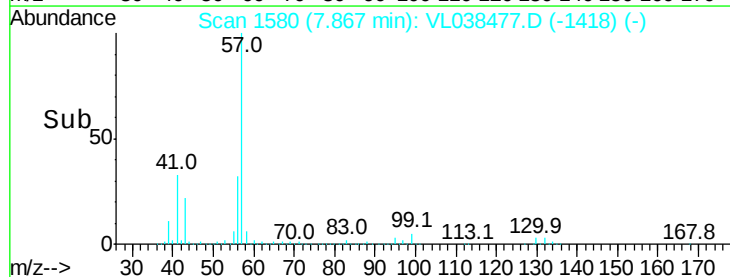
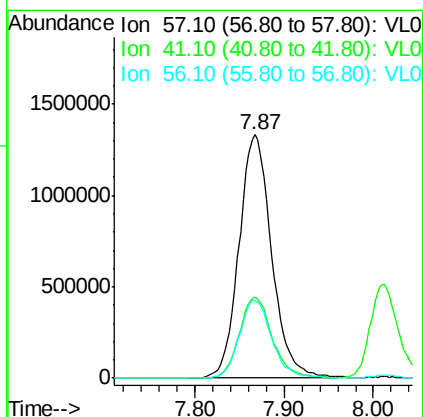
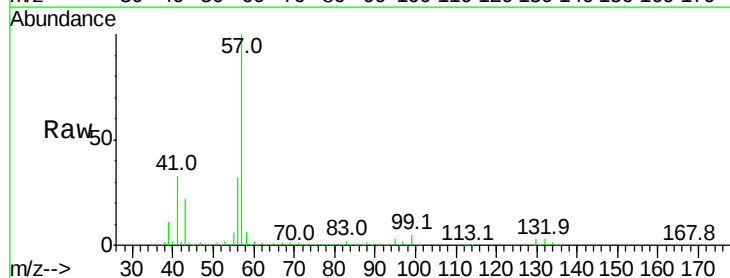
#43
Methyl Methacrylate
Concen: 10.37 ppbv
RT: 8.01
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0302ABS01
Acq: 2 Mar 2022 11:48

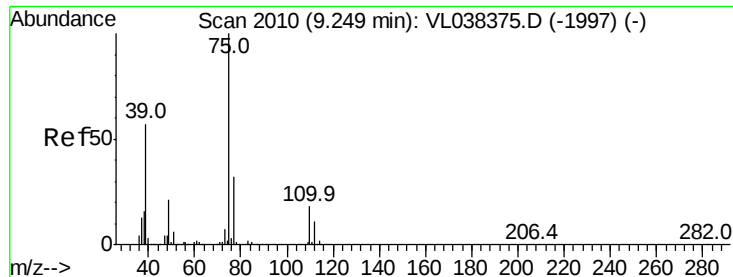
Tgt Ion: 69 Resp: 735650
Ion Ratio Lower Upper
69 100
41 153.1 122.9 184.3
100 28.4 23.6 35.4



#44
2,2,4-Trimethylpentane
Concen: 9.68 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VL038477.D
Acq: 2 Mar 2022 11:48

Tgt Ion: 57 Resp: 3395775
Ion Ratio Lower Upper
57 100
41 33.4 26.6 39.8
56 31.8 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 10.67 ppbv

RT: 9.28 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VL0302ABS01

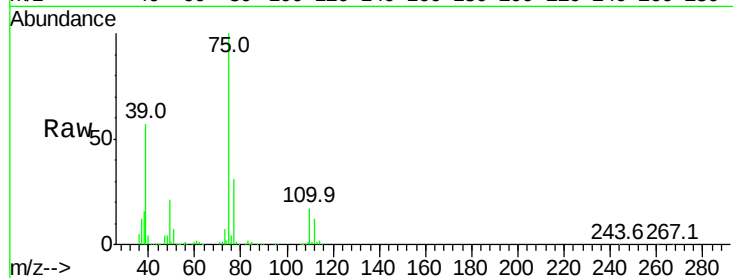
Acq: 2 Mar 2022 11:48

Tgt Ion: 75 Resp: 604970

Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.28

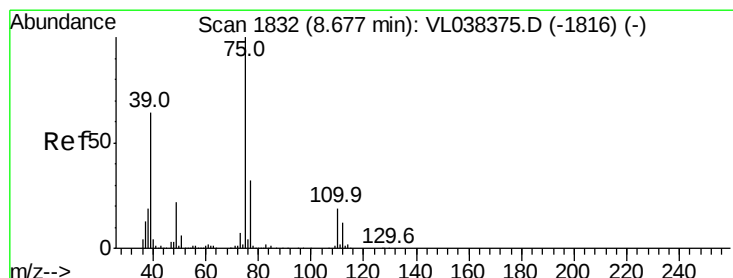
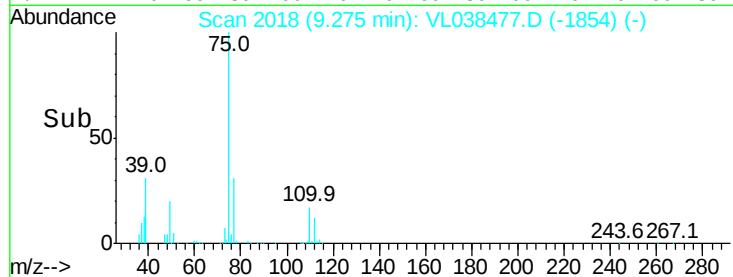
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.34 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. 0.03 min

Lab File: VL038477.D

Acq: 2 Mar 2022 11:48

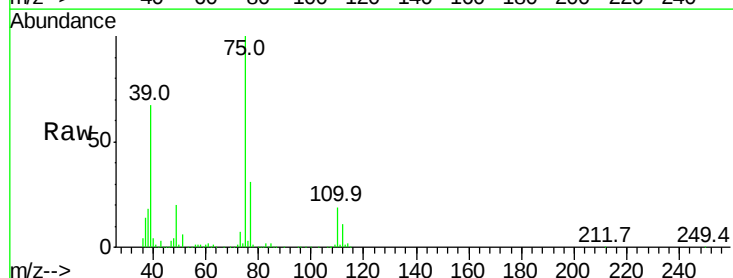
Tgt Ion: 75 Resp: 768400

Ion Ratio Lower Upper

75 100

39 67.0 51.4 77.2

77 30.5 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.70

500000

400000

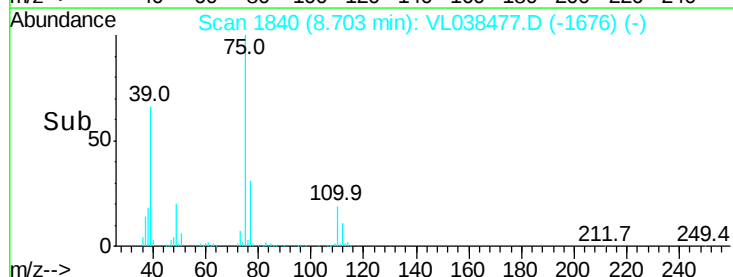
300000

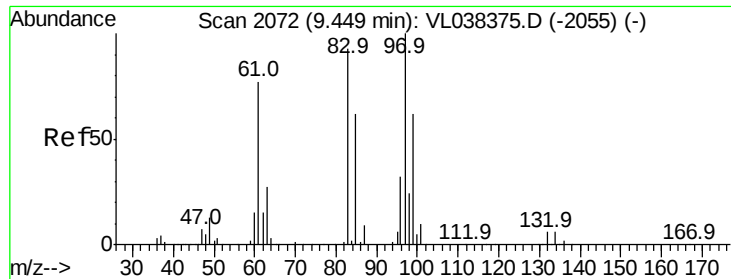
200000

100000

0

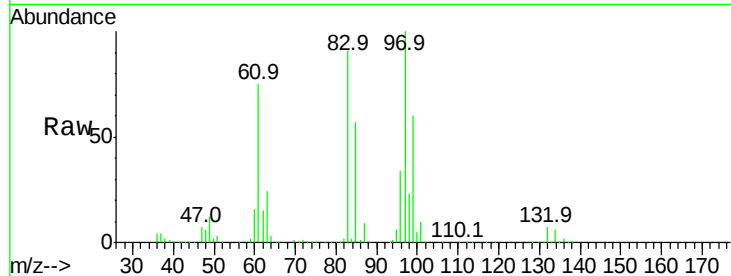
Time-->



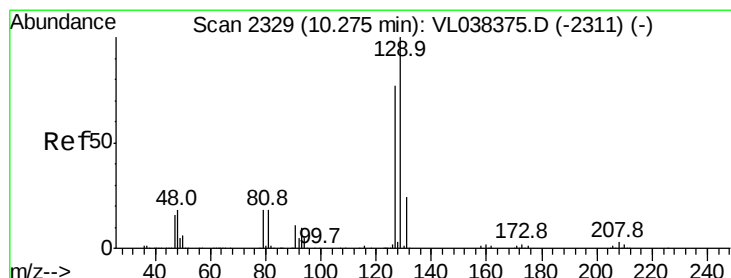
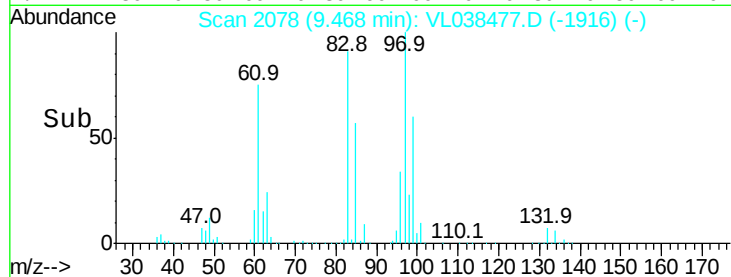
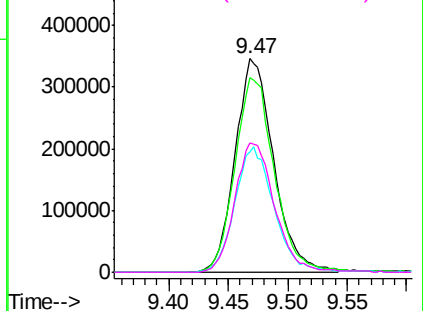


#47
 1,1,2-Trichloroethane
 Concen: 9.60 ppbv
 RT: 9.47
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VL0302ABS01
 Acq: 2 Mar 2022 11:48

Tgt Ion:	97	Resp:	775996
Ion	Ratio	Lower	Upper
97	100		
83	91.1	74.2	111.4
85	56.6	49.8	74.8
99	60.3	49.5	74.3

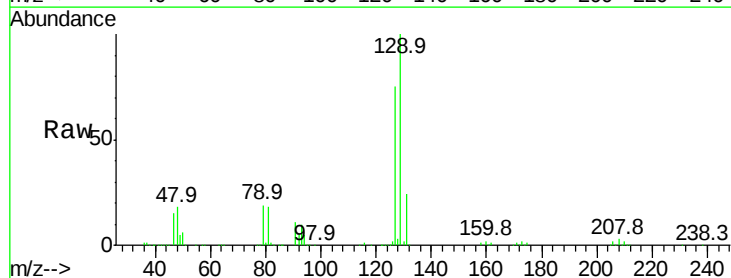


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

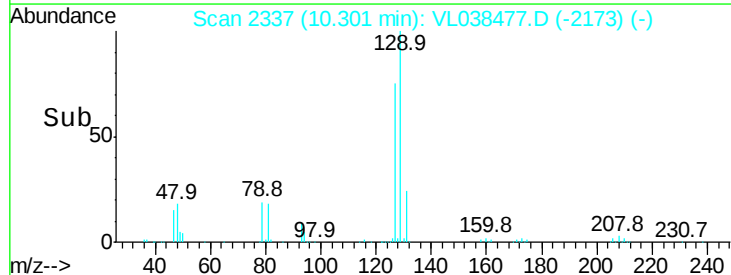
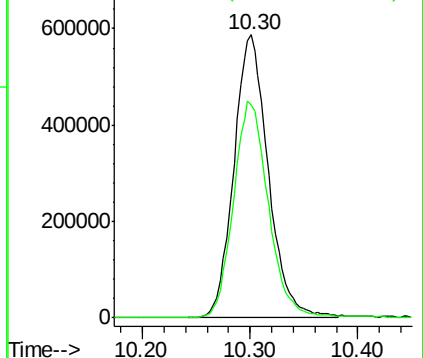


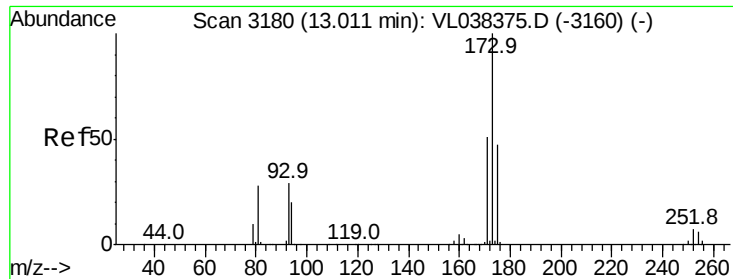
#48
 Dibromochloromethane
 Concen: 9.87 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. 0.03 min
 Lab File: VL038477.D
 Acq: 2 Mar 2022 11:48

Tgt Ion:	129	Resp:	1304584
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.4	118.1



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 8.86 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 11:48

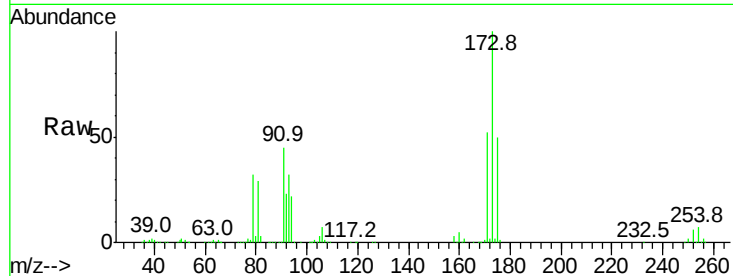
Tgt Ion: 173 Resp: 864726

Ion Ratio Lower Upper

173 100

175 50.4 40.2 60.2

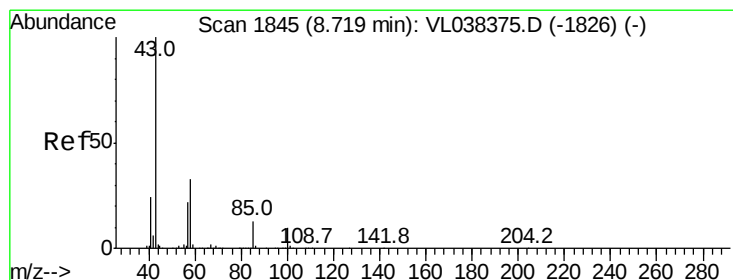
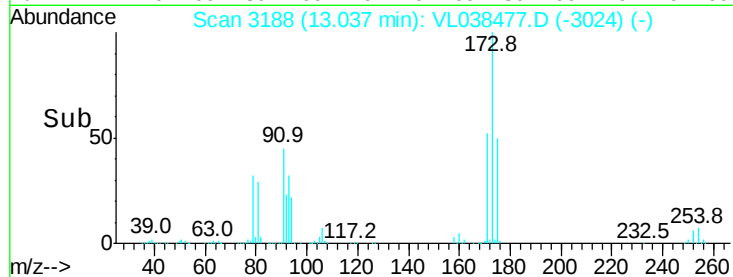
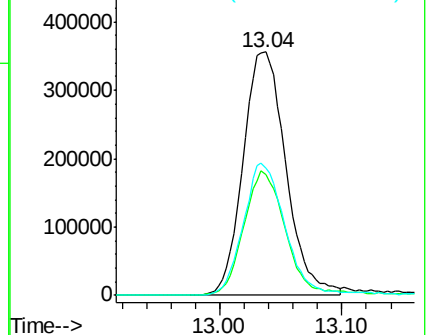
171 53.7 42.7 64.1



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: 10.58 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.02 min

Lab File: VL038477.D

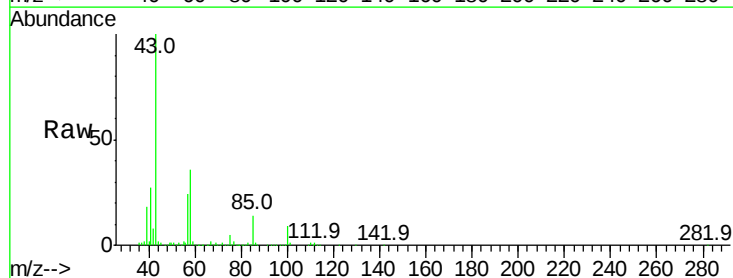
Acq: 2 Mar 2022 11:48

Tgt Ion: 43 Resp: 1363498

Ion Ratio Lower Upper

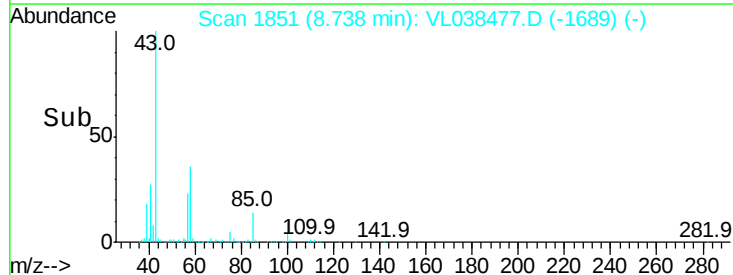
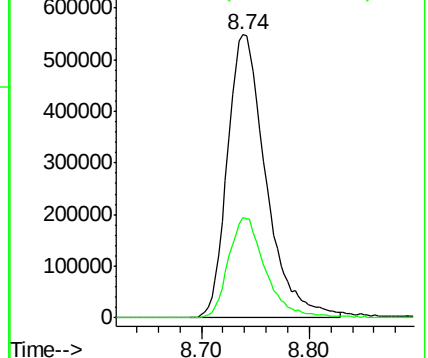
43 100

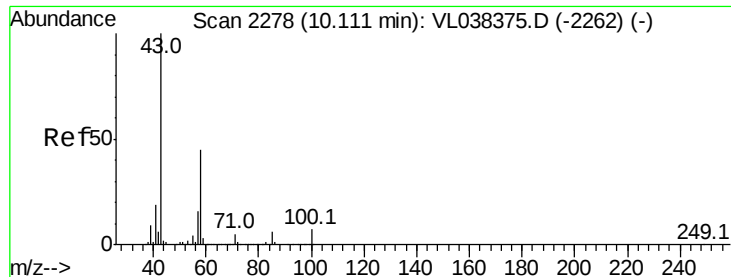
58 34.8 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.49 ppbv

RT: 10.13

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 11:48

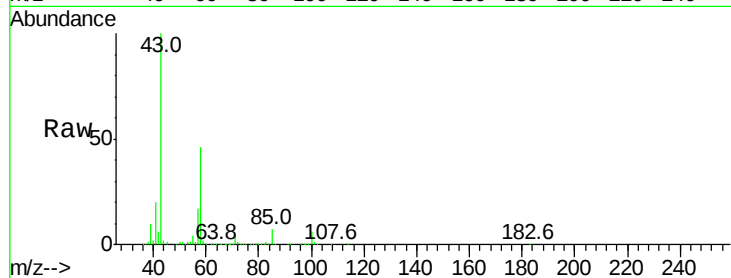
Tgt Ion: 43 Resp: 605584

Ion Ratio Lower Upper

43 100

58 45.3 37.4 56.0

98 0.3 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

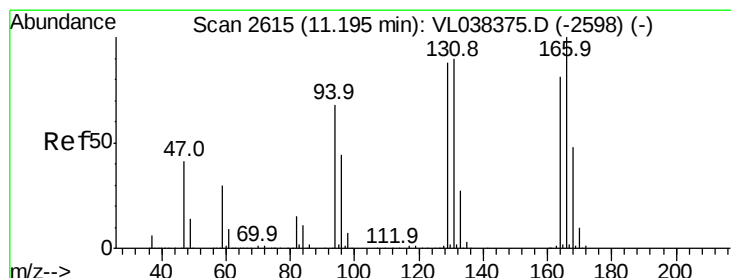
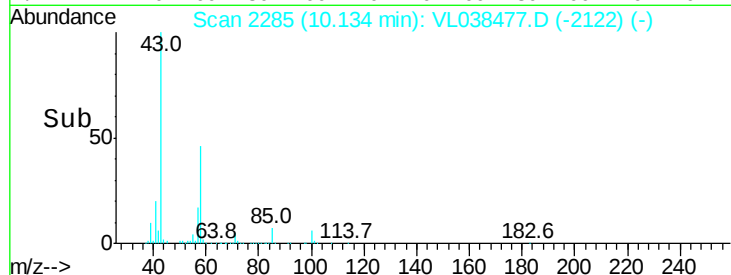
10.13

200000

100000

0

Time-->



#52

Tetrachloroethene

Concen: 8.87 ppbv

RT: 11.22 min Scan# 2622

Delta R.T. 0.02 min

Lab File: VL038477.D

Acq: 2 Mar 2022 11:48

Tgt Ion: 164 Resp: 600671

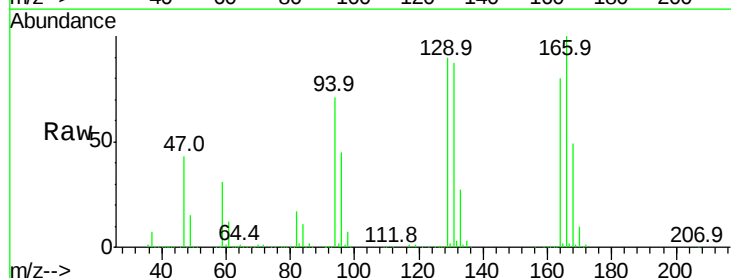
Ion Ratio Lower Upper

164 100

166 124.5 98.6 148.0

129 112.6 86.9 130.3

131 108.7 88.6 133.0



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

500000

400000

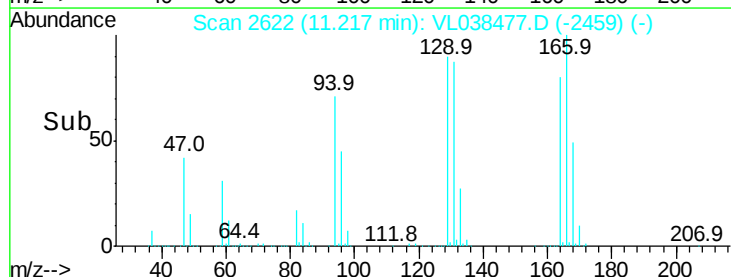
300000

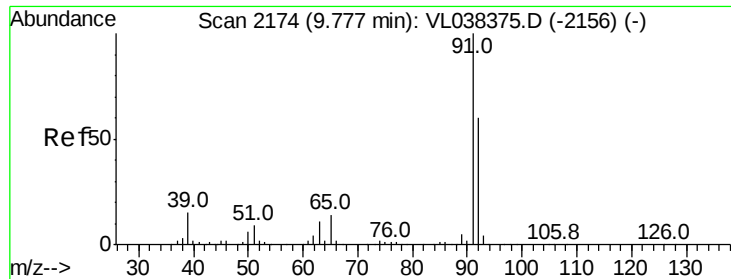
200000

100000

0

Time-->





#53

Toluene

Concen: 9.83 ppbv

RT: 9.80

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

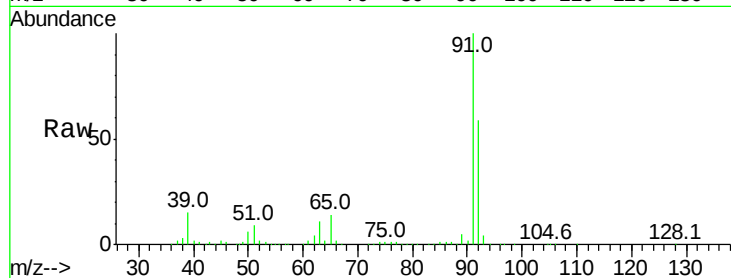
Acq: 2 Mar 2022 11:48

Tgt Ion: 91 Resp: 2178250

Ion Ratio Lower Upper

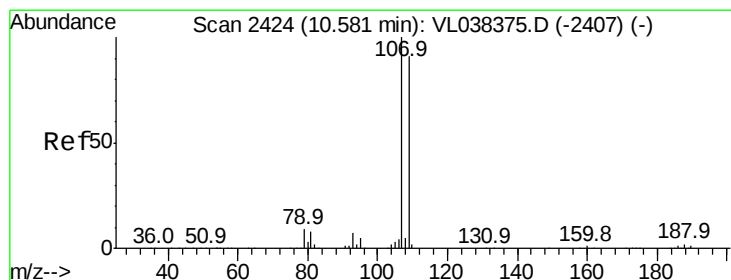
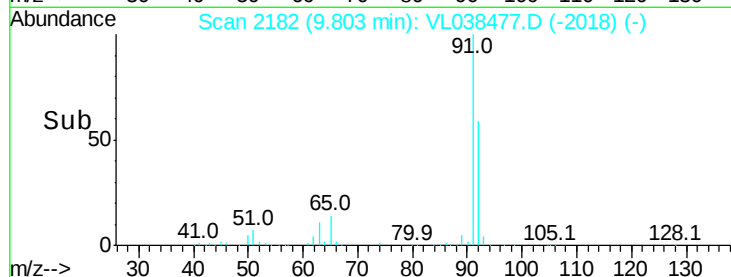
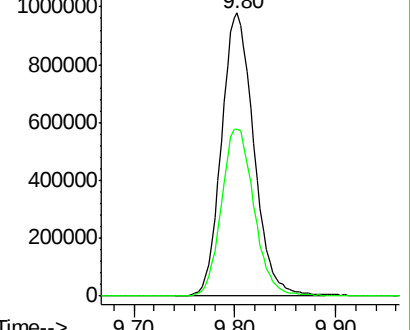
91 100

92 60.1 48.2 72.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.76 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. 0.02 min

Lab File: VL038477.D

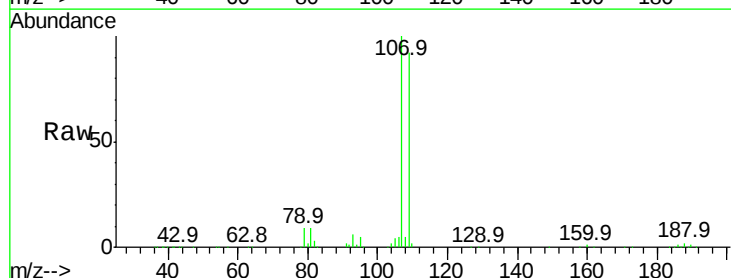
Acq: 2 Mar 2022 11:48

Tgt Ion:107 Resp: 1110734

Ion Ratio Lower Upper

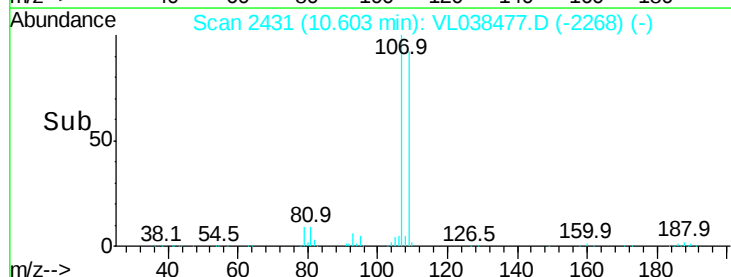
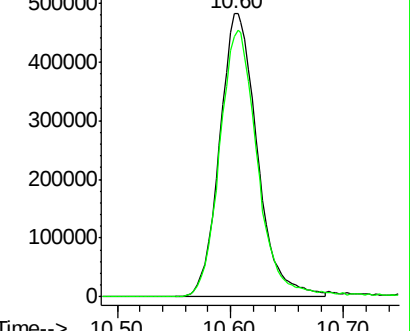
107 100

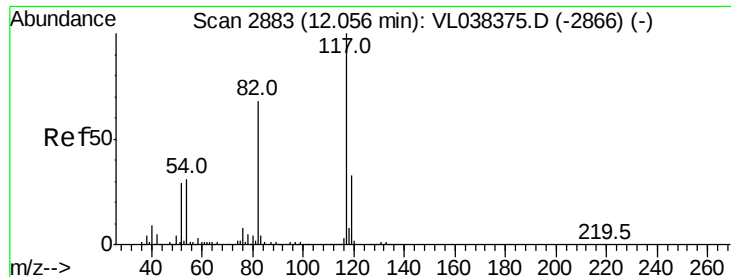
109 91.8 73.0 109.6



Abundance Ion 107.00 (106.70 to 107.70): V

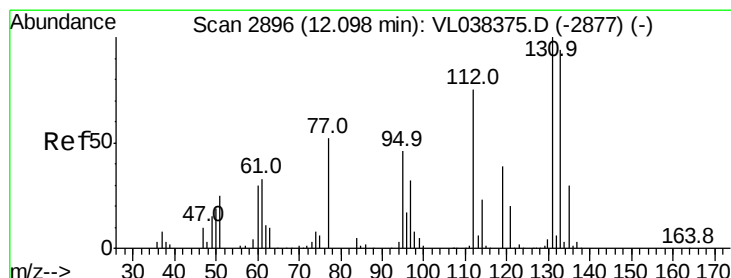
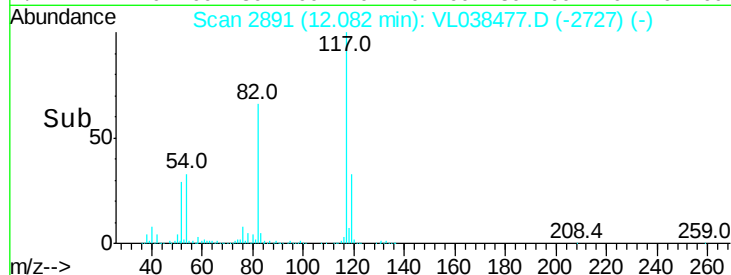
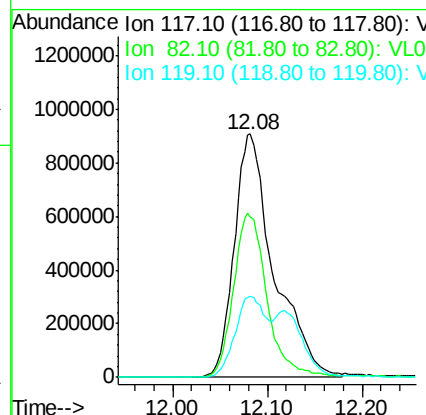
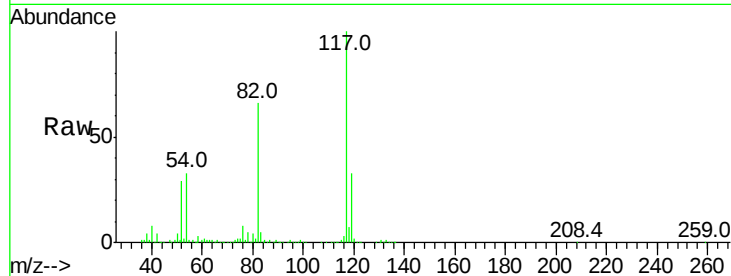
Ion 109.00 (108.70 to 109.70): V





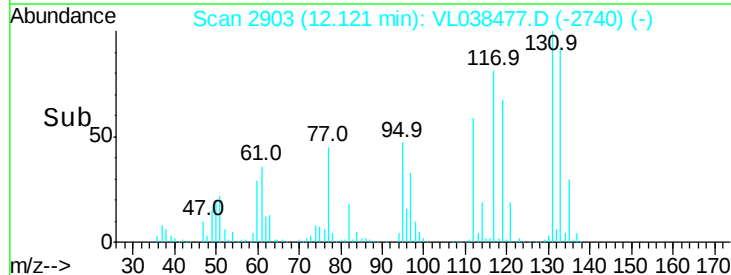
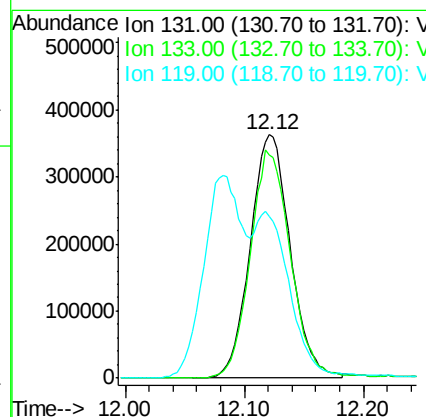
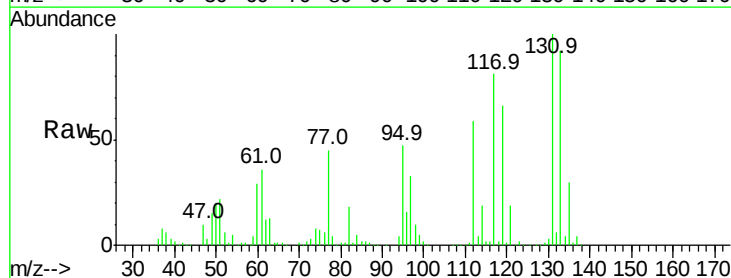
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0302ABS01
Acq: 2 Mar 2022 11:48

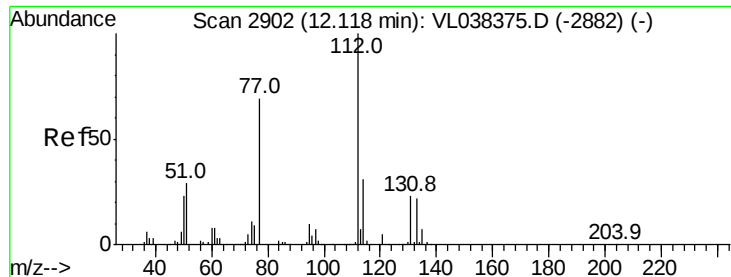
Tgt Ion:117 Resp: 2651953
Ion Ratio Lower Upper
117 100
82 57.8 54.9 82.3
119 26.6 46.1 69.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.65 ppbv
RT: 12.12 min Scan# 2903
Delta R.T.: 0.02 min
Lab File: VL038477.D
Acq: 2 Mar 2022 11:48

Tgt Ion:131 Resp: 845212
Ion Ratio Lower Upper
131 100
133 95.3 77.3 115.9
119 61.8 48.6 73.0





#57

Chlorobenzene

Concen: 7.14 ppbv

RT: 12.14

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 11:48

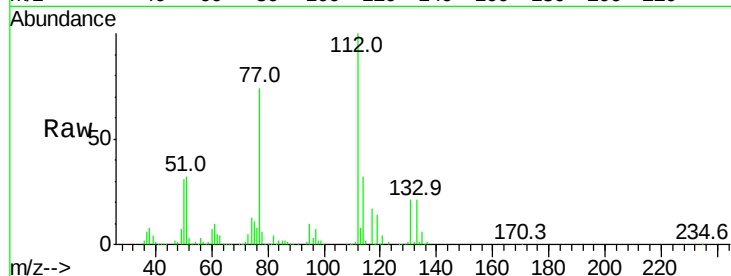
Tgt Ion: 112 Resp: 1461723

Ion Ratio Lower Upper

112 100

77 72.3 55.2 82.8

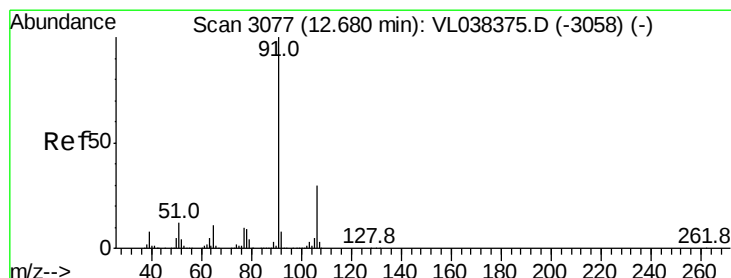
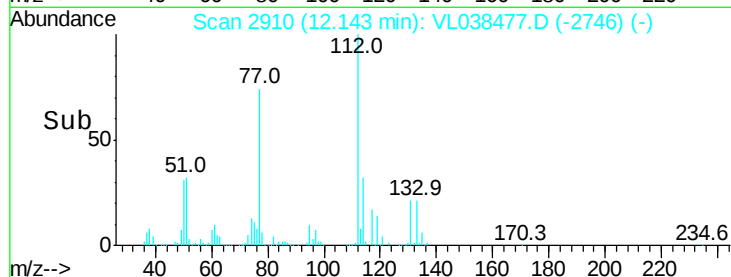
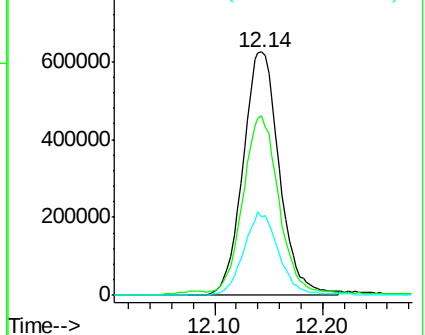
114 32.3 27.9 34.1



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: 7.69 ppbv

RT: 12.71 min Scan# 3085

Delta R.T. 0.03 min

Lab File: VL038477.D

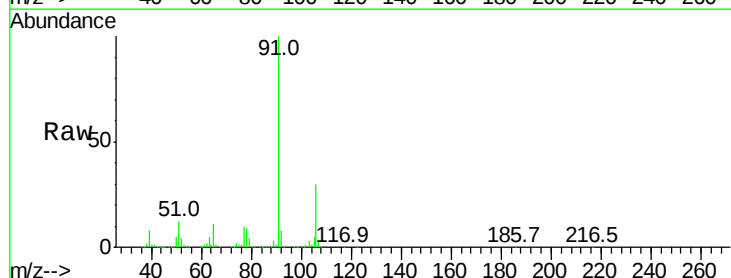
Acq: 2 Mar 2022 11:48

Tgt Ion: 91 Resp: 2787287

Ion Ratio Lower Upper

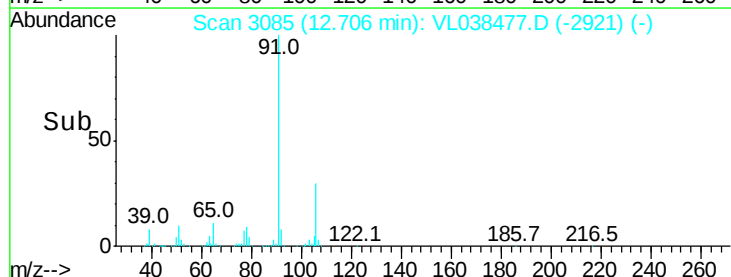
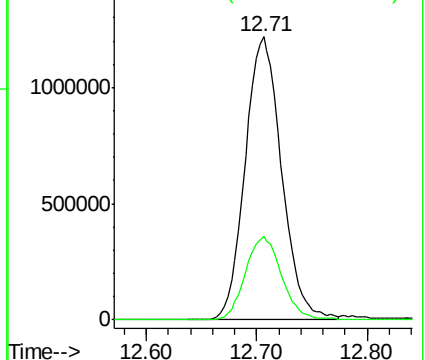
91 100

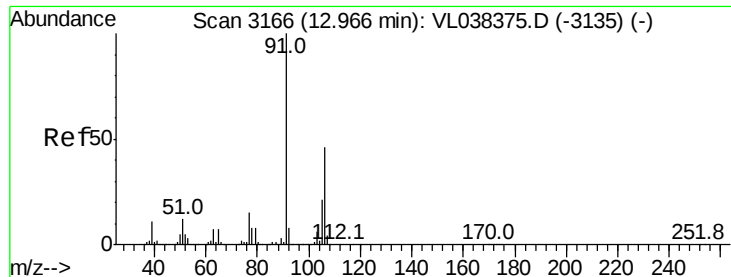
106 29.5 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

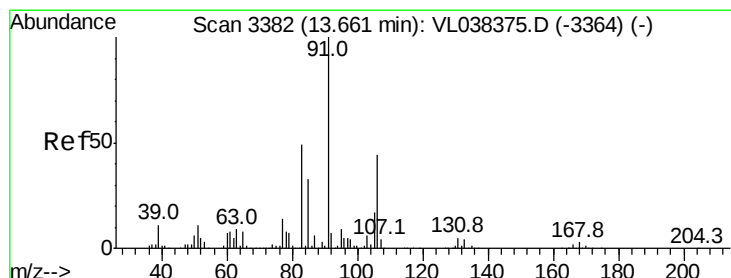
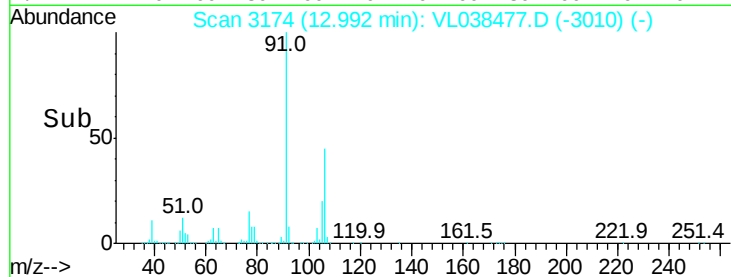
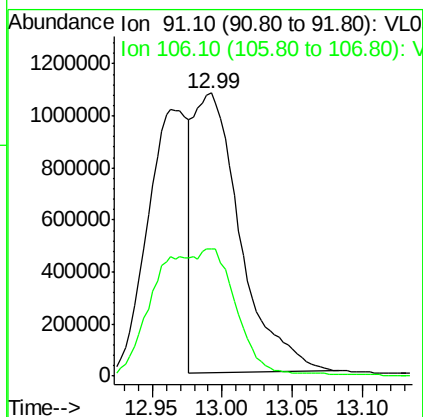
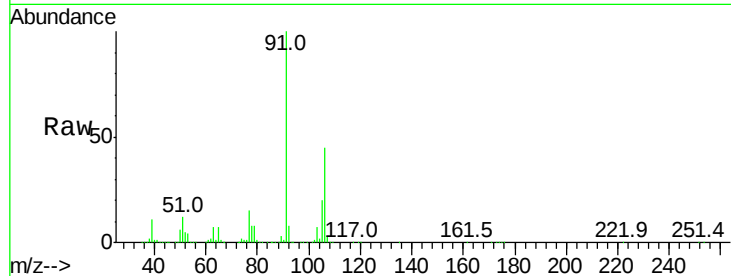
Ion 106.10 (105.80 to 106.80): V





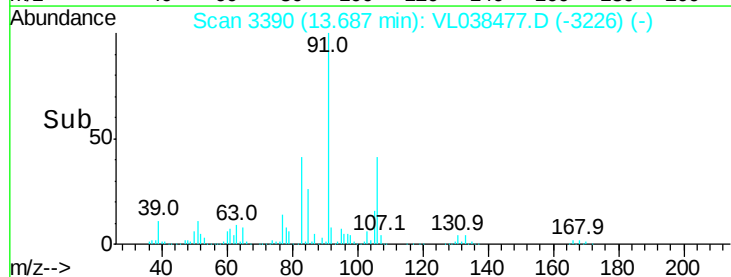
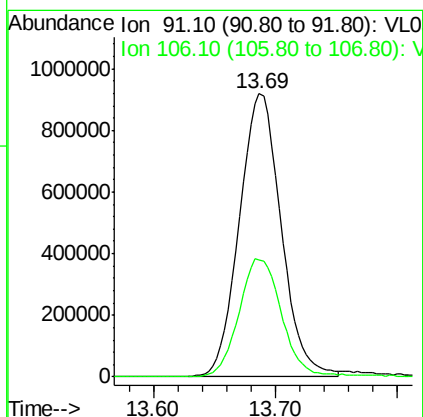
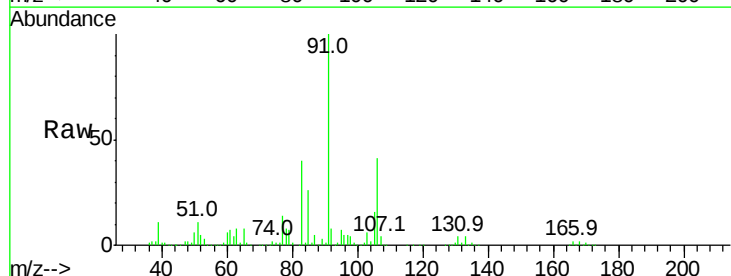
#59
m/p-Xylene
Concen: 7.94 ppbv
RT: 12.99 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0302ABS01
Acq: 2 Mar 2022 11:48

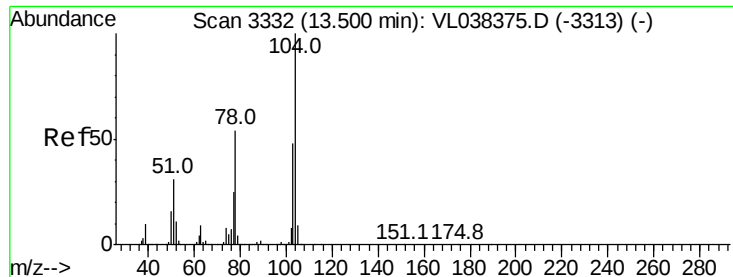
Tgt Ion: 91 Resp: 2471724
Ion Ratio Lower Upper
91 100
106 80.1 34.4 51.6#



#60
o-Xylene
Concen: 7.38 ppbv
RT: 13.69 min Scan# 3390
Delta R.T.: 0.03 min
Lab File: VL038477.D
Acq: 2 Mar 2022 11:48

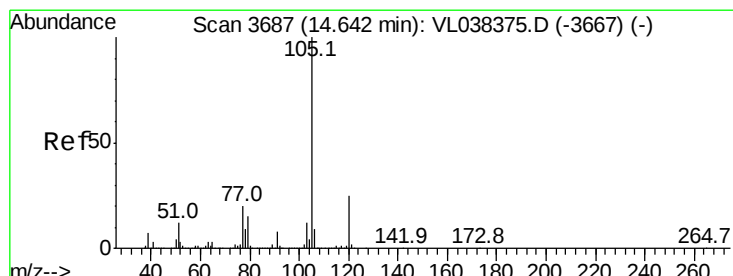
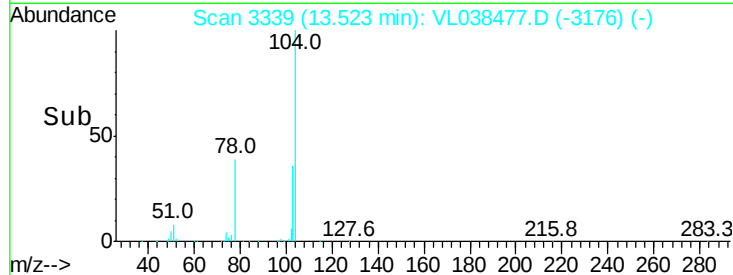
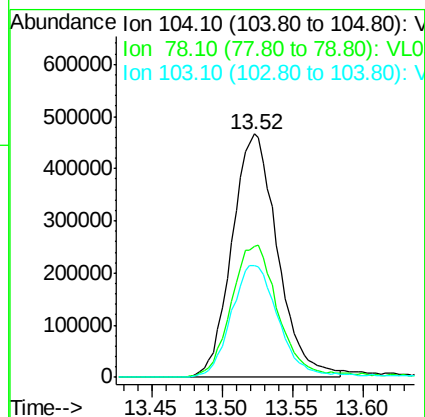
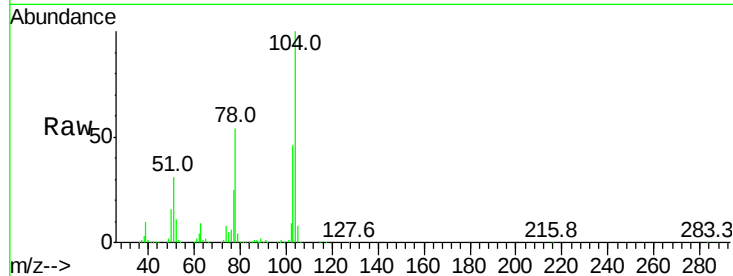
Tgt Ion: 91 Resp: 2172297
Ion Ratio Lower Upper
91 100
106 43.7 21.9 65.5





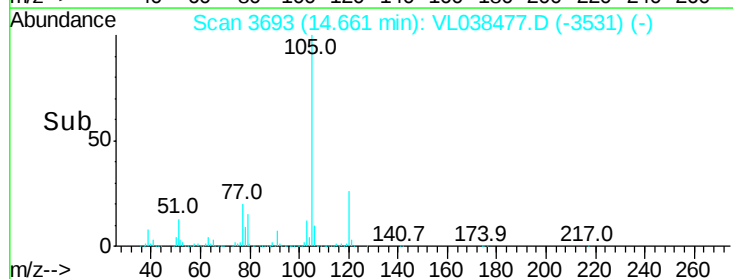
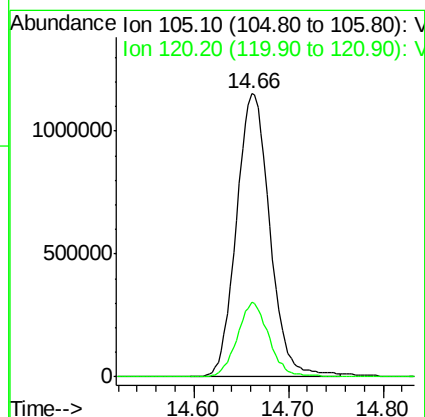
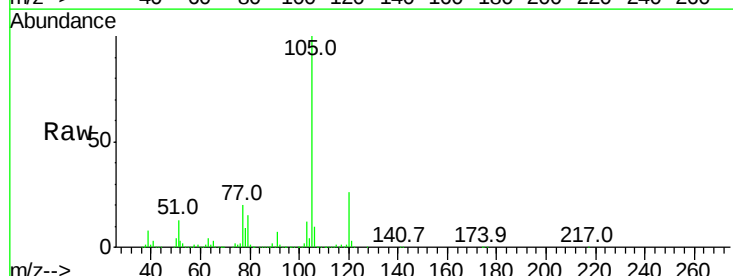
#61
Styrene
Concen: 7.71 ppbv
RT: 13.52
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0302ABS01
Acq: 2 Mar 2022 11:48

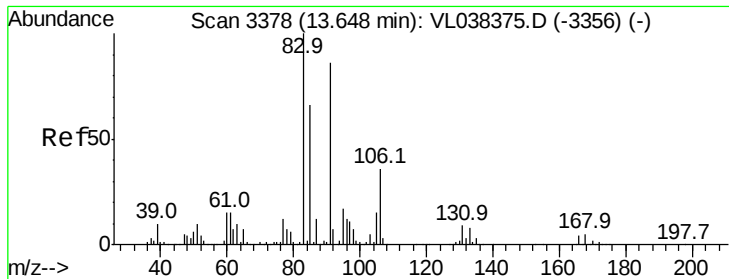
Tgt Ion:104 Resp: 1047407
Ion Ratio Lower Upper
104 100
78 57.5 44.2 66.4
103 48.8 38.4 57.6



#62
Isopropylbenzene
Concen: 7.18 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. 0.02 min
Lab File: VL038477.D
Acq: 2 Mar 2022 11:48

Tgt Ion:105 Resp: 2838405
Ion Ratio Lower Upper
105 100
120 25.2 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 6.07 ppbv

RT: 13.67

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Mar 2022 11:48

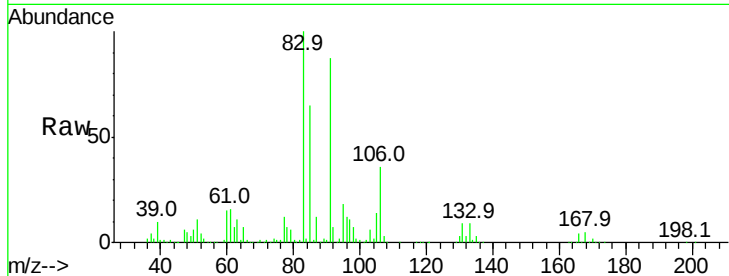
Tgt Ion: 83 Resp: 1451129

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.7

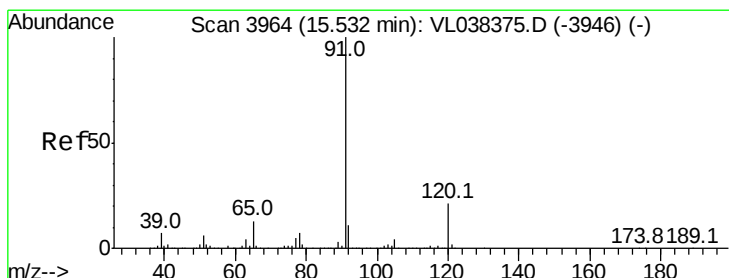
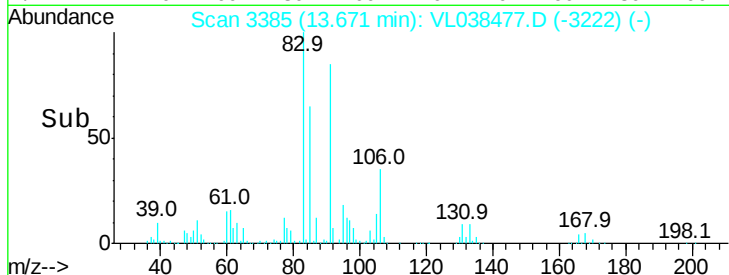
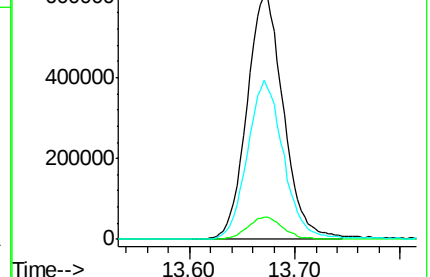
85 65.7 33.0 99.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 6.89 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. 0.02 min

Lab File: VL038477.D

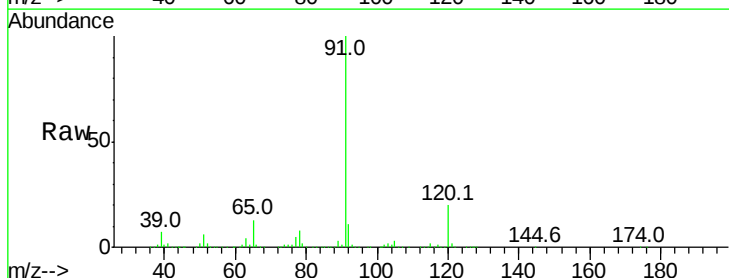
Acq: 2 Mar 2022 11:48

Tgt Ion: 120 Resp: 673991

Ion Ratio Lower Upper

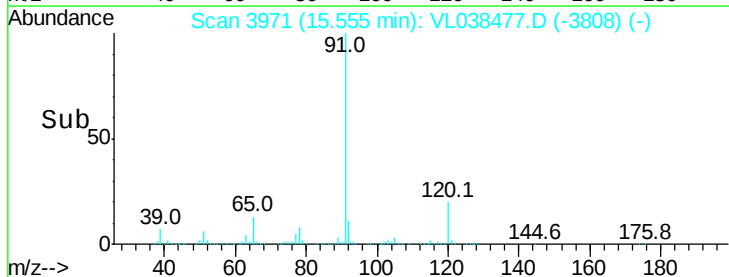
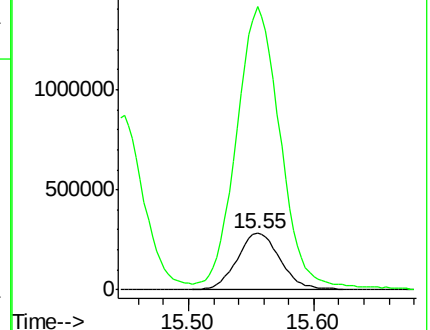
120 100

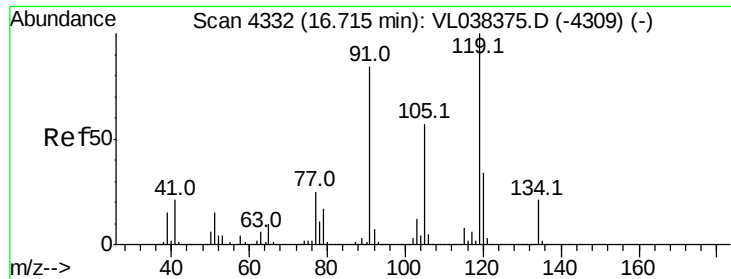
91 512.9 388.1 582.1



Abundance Ion 120.20 (119.90 to 120.90): V

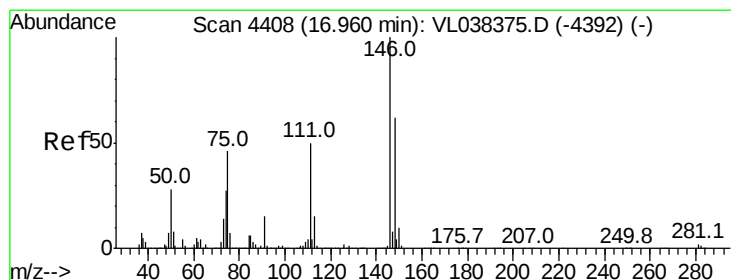
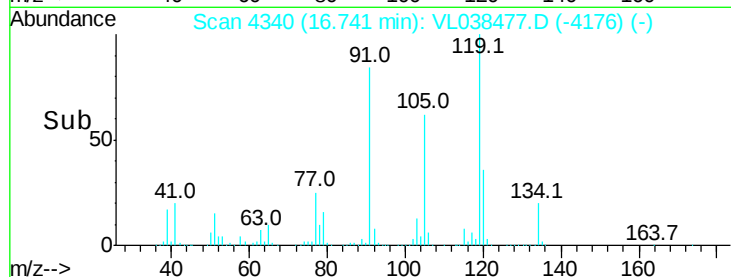
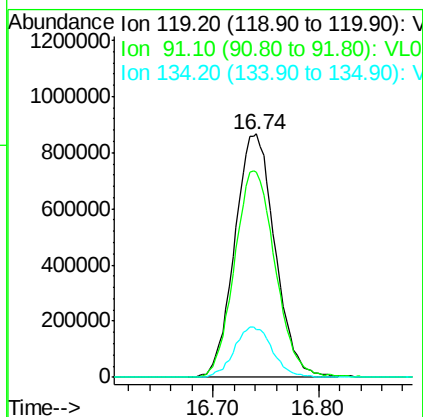
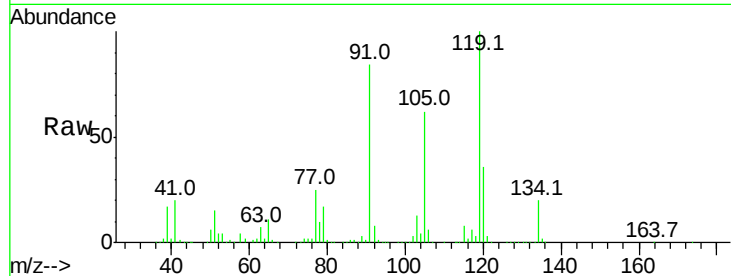
Ion 91.10 (90.80 to 91.80): VL0





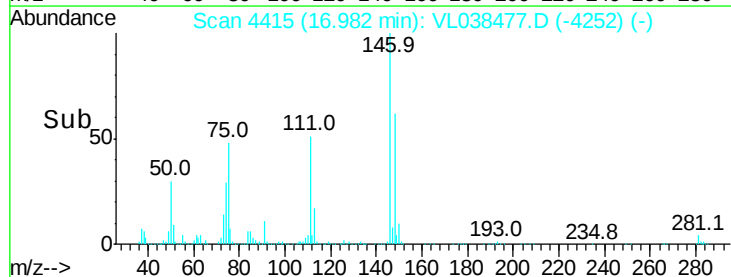
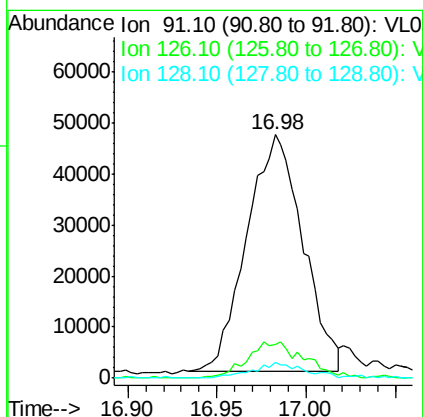
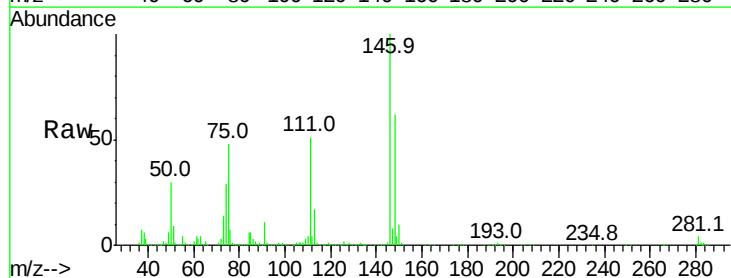
#65
 tert-Butylbenzene
 Concen: 6.70 ppbv
 RT: 16.74 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0302ABS01
 Acq: 2 Mar 2022 11:48

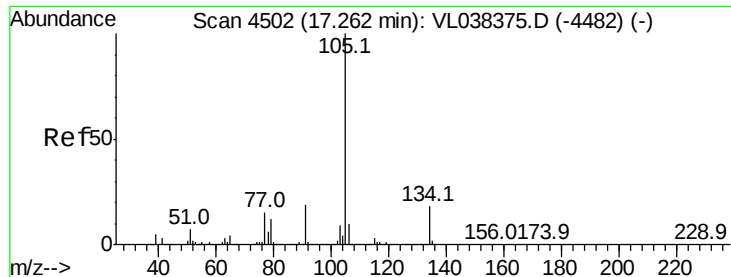
Tgt Ion: 119 Resp: 2292410
 Ion Ratio Lower Upper
 119 100
 91 86.4 68.0 102.0
 134 19.8 15.8 23.8



#66
 Benzyl Chloride
 Concen: 5.50 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.02 min
 Lab File: VL038477.D
 Acq: 2 Mar 2022 11:48

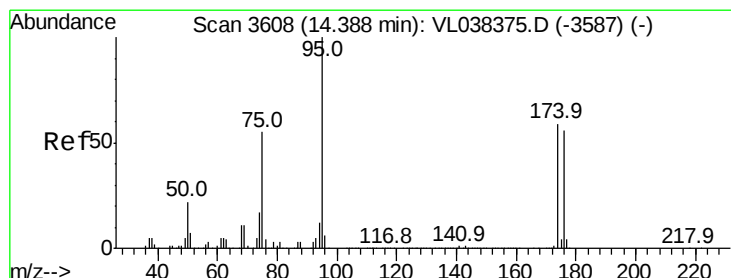
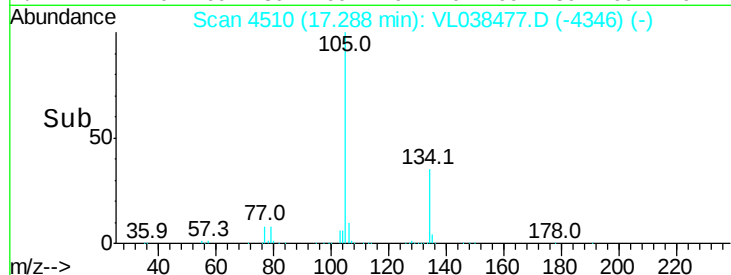
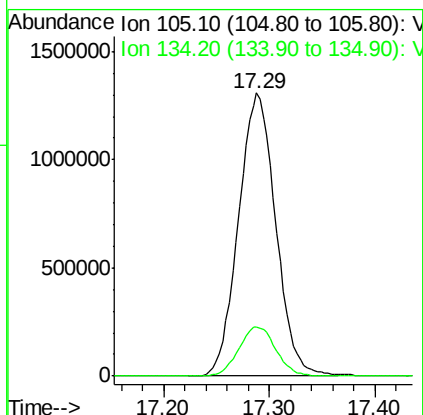
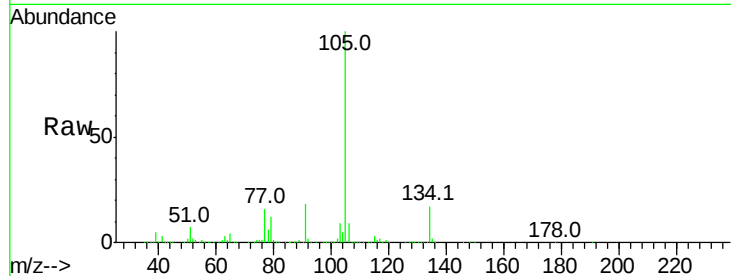
Tgt Ion: 91 Resp: 101699
 Ion Ratio Lower Upper
 91 100
 126 15.6 12.3 18.5
 128 6.4 4.2 6.4#





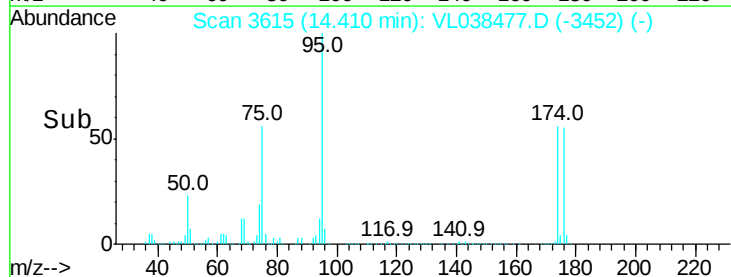
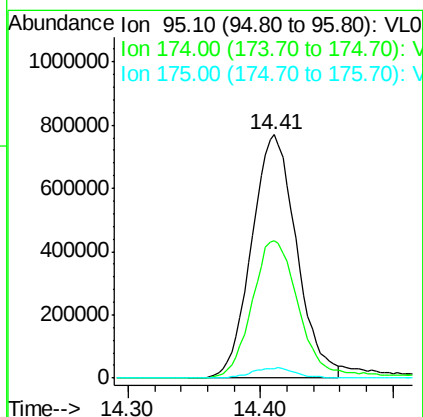
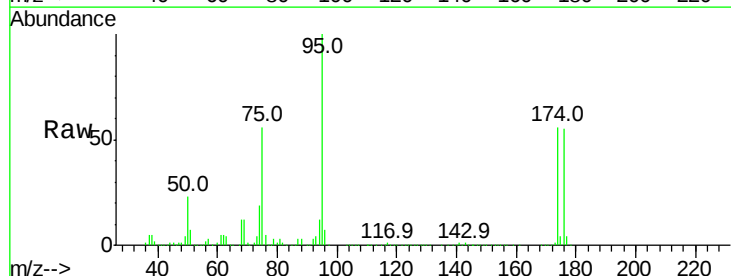
#67
 sec-Butylbenzene
 Concen: 6.60 ppbv
 RT: 17.29
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample ID:
 Lab File: VL0302ABS01
 Acq: 2 Mar 2022 11:48

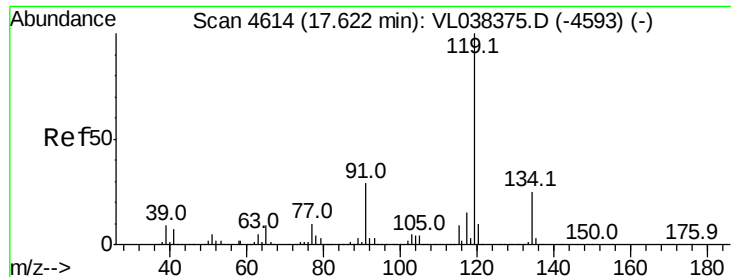
Tgt Ion: 105 Resp: 3201056
 Ion Ratio Lower Upper
 105 100
 134 17.5 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.25 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T.: 0.02 min
 Lab File: VL038477.D
 Acq: 2 Mar 2022 11:48

Tgt Ion: 95 Resp: 1811248
 Ion Ratio Lower Upper
 95 100
 174 60.7 49.0 73.4
 175 4.5 3.6 5.4





#69

p-Isopropyltoluene

Concen: 6.67 ppbv

RT: 17.64

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 11:48

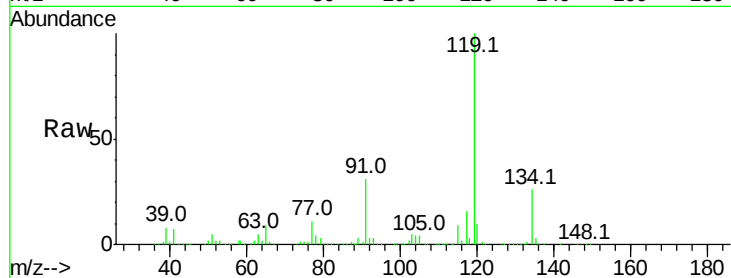
Tgt Ion: 119 Resp: 2539707

Ion Ratio Lower Upper

119 100

134 25.2 20.4 30.6

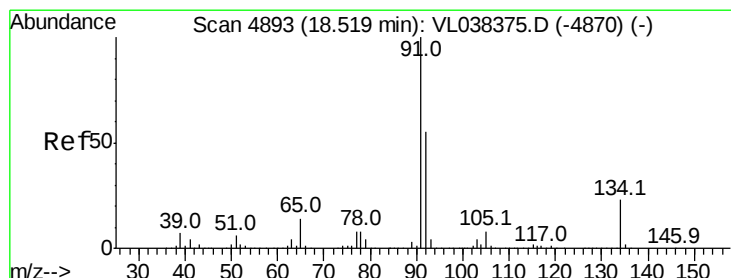
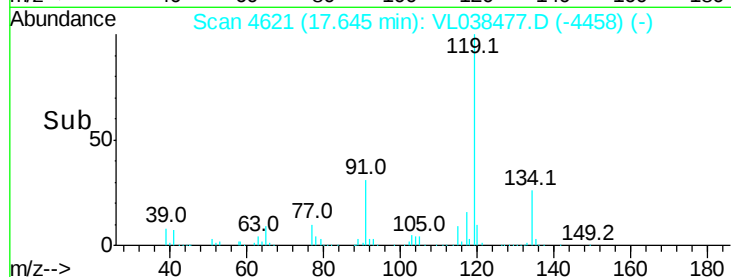
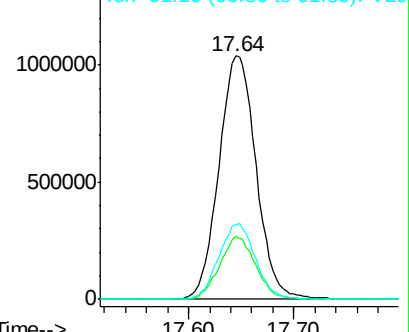
91 31.0 23.8 35.8



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: 6.88 ppbv

RT: 18.55 min Scan# 4901

Delta R.T. 0.03 min

Lab File: VL038477.D

Acq: 2 Mar 2022 11:48

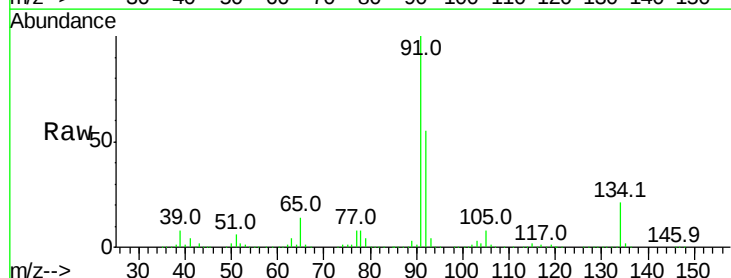
Tgt Ion: 91 Resp: 2711515

Ion Ratio Lower Upper

91 100

92 53.4 43.1 64.7

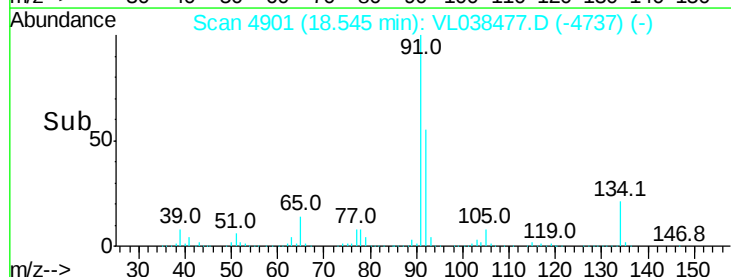
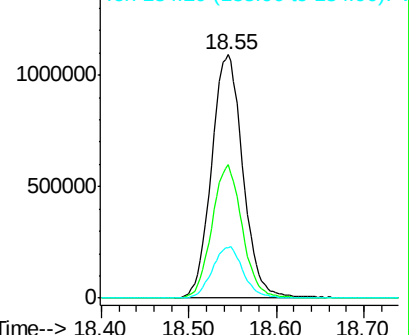
134 21.0 17.4 26.0

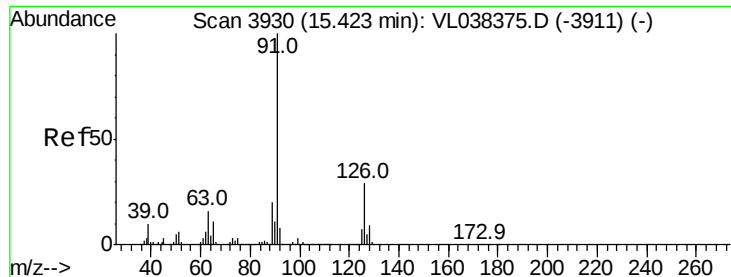


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

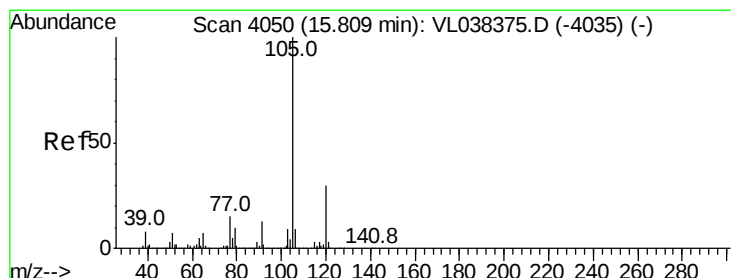
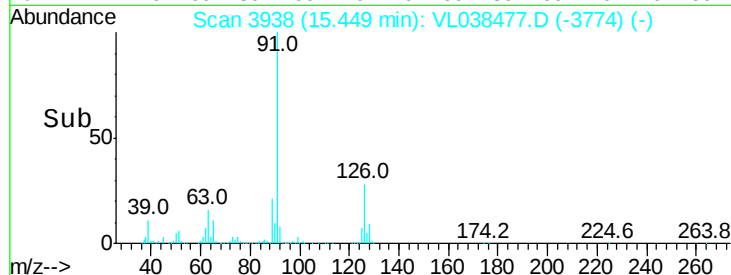
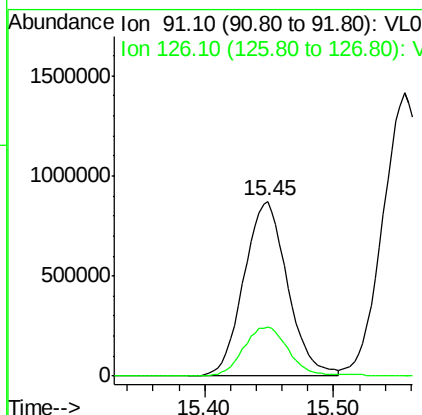
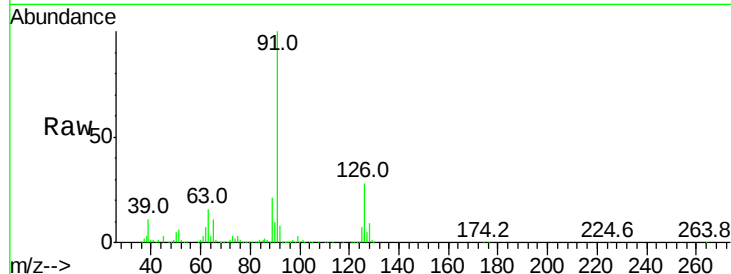
Ion 134.20 (133.90 to 134.90): V





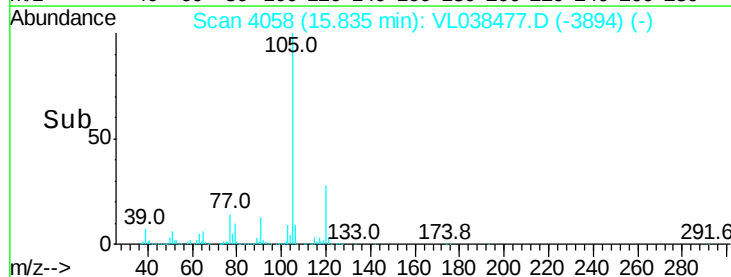
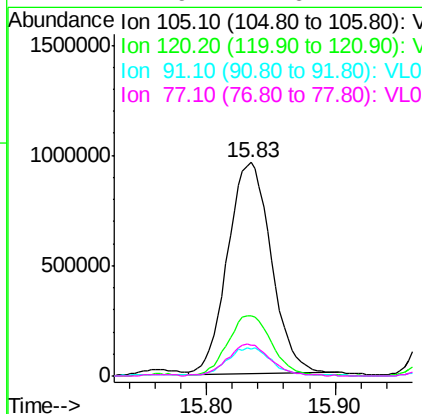
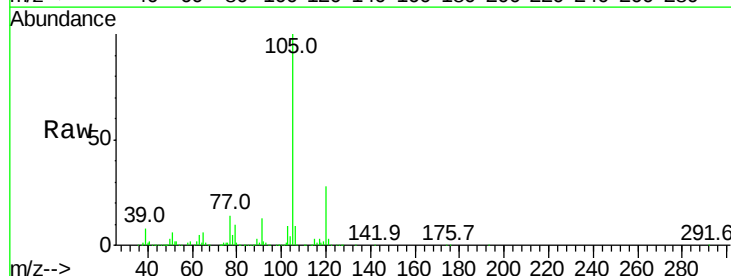
#71
 2-Chlorotoluene
 Concen: 6.79 ppbv
 RT: 15.45
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0302ABS01
 Acq: 2 Mar 2022 11:48

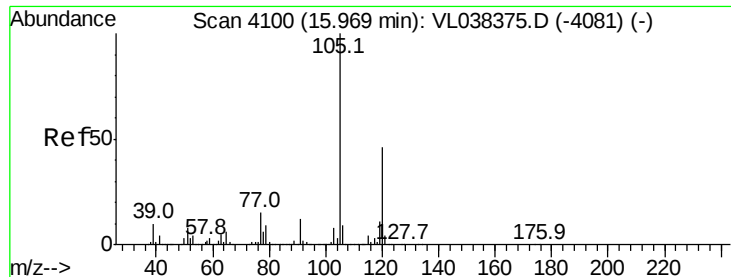
Tgt Ion: 91 Resp: 2061672
 Ion Ratio Lower Upper
 91 100
 126 29.7 11.9 47.7



#72
 4-Ethyltoluene
 Concen: 6.96 ppbv
 RT: 15.83 min Scan# 4058
 Delta R.T. 0.03 min
 Lab File: VL038477.D
 Acq: 2 Mar 2022 11:48

Tgt Ion: 105 Resp: 2257442
 Ion Ratio Lower Upper
 105 100
 120 30.4 23.4 35.2
 91 13.5 10.4 15.6
 77 14.9 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 6.92 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

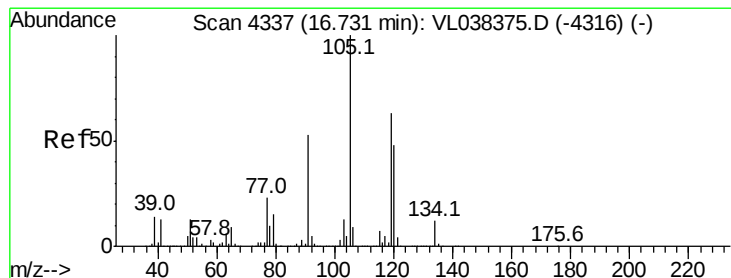
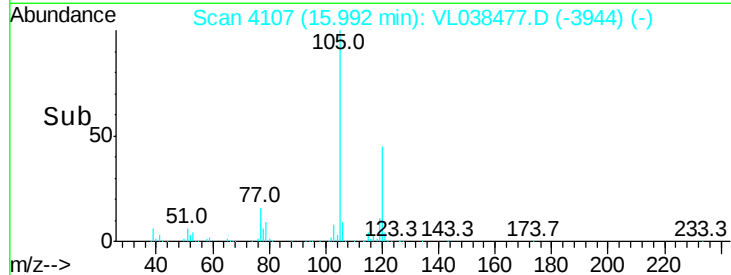
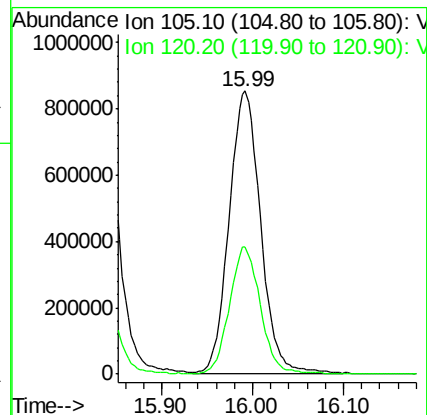
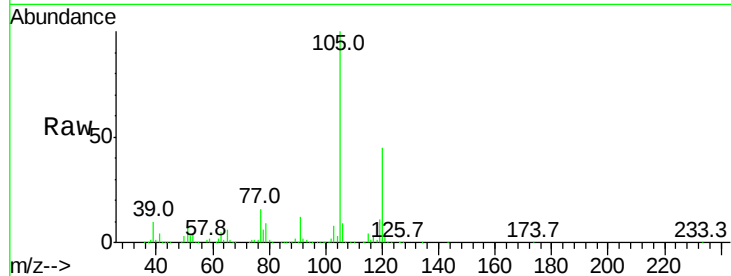
Acq: 2 Mar 2022 11:48

Tgt Ion:105 Resp: 2038319

Ion Ratio Lower Upper

105 100

120 44.9 36.6 55.0



#74

1,2,4-Trimethylbenzene

Concen: 6.76 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.03 min

Lab File: VL038477.D

Acq: 2 Mar 2022 11:48

Tgt Ion:105 Resp: 2102185

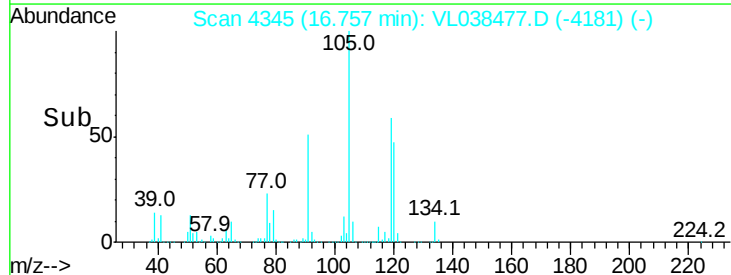
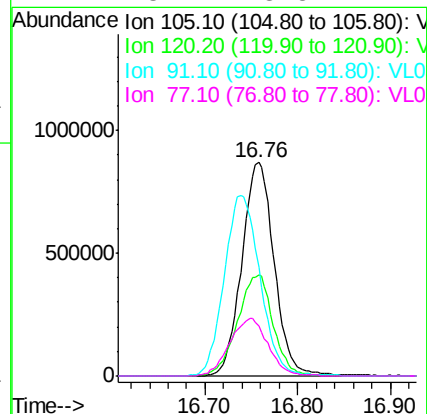
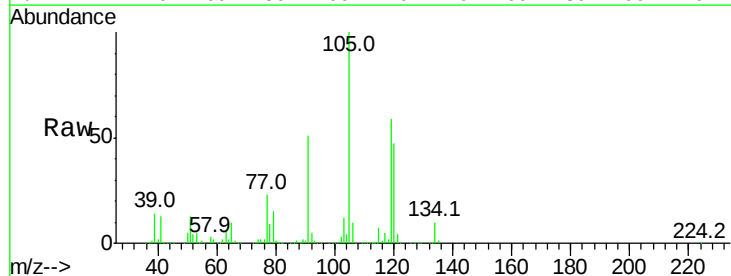
Ion Ratio Lower Upper

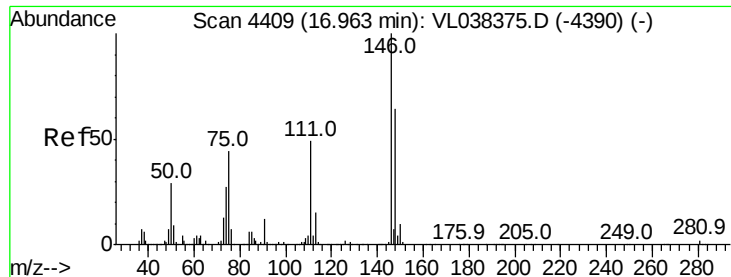
105 100

120 47.2 38.2 57.4

91 50.9 42.7 64.1

77 23.4 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 6.39 ppbv

RT: 16.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 11:48

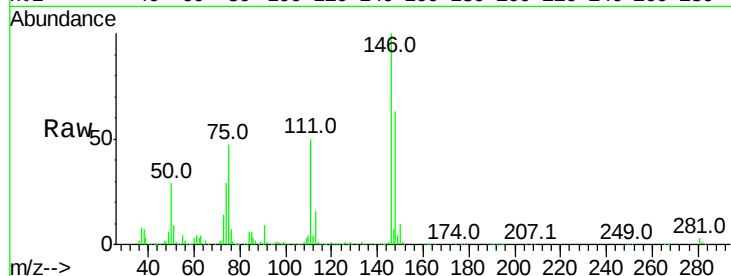
Tgt Ion:146 Resp: 1113878

Ion Ratio Lower Upper

146 100

111 49.2 24.3 72.9

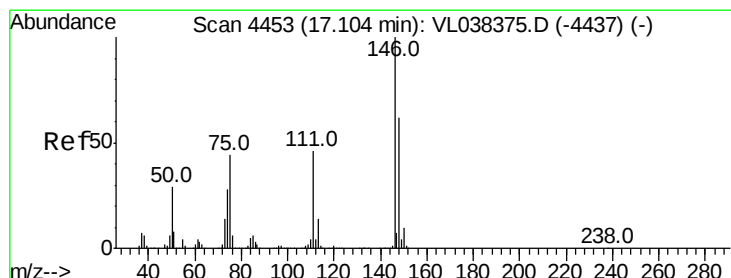
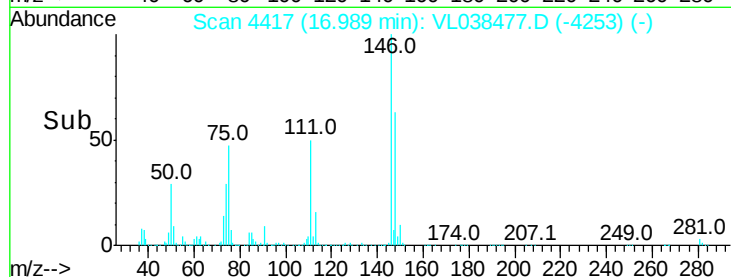
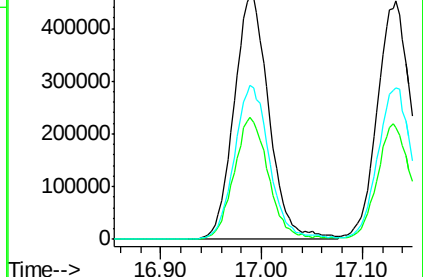
148 63.1 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 6.22 ppbv

RT: 17.13 min Scan# 4462

Delta R.T. 0.03 min

Lab File: VL038477.D

Acq: 2 Mar 2022 11:48

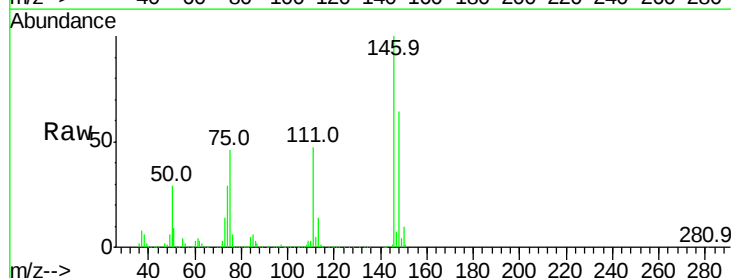
Tgt Ion:146 Resp: 1068479

Ion Ratio Lower Upper

146 100

111 48.6 24.1 72.2

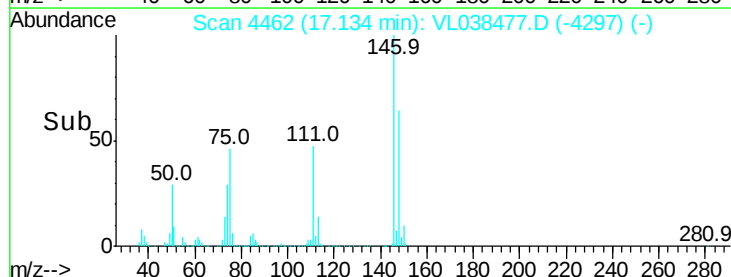
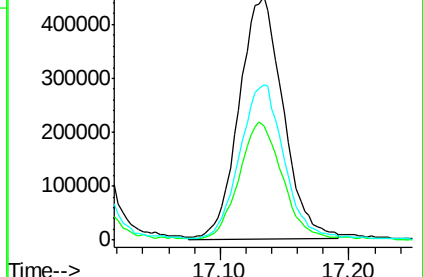
148 65.9 32.8 98.4

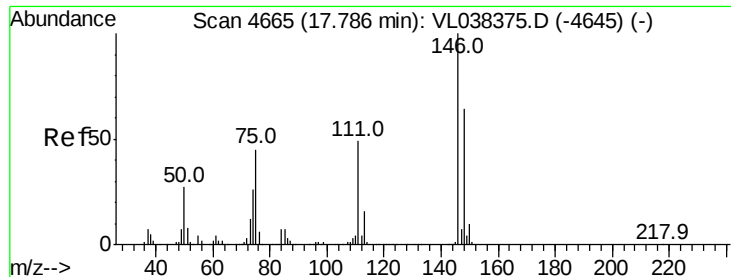


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 6.28 ppbv

RT: 17.81

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 11:48

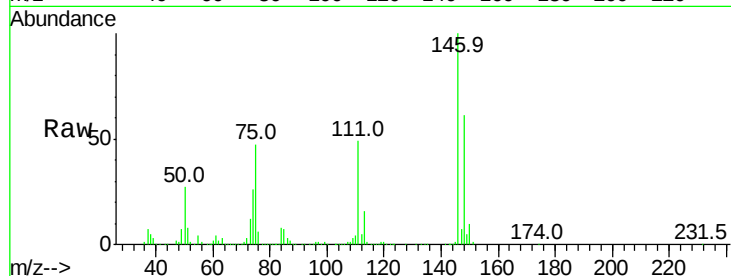
Tgt Ion:146 Resp: 1052971

Ion Ratio Lower Upper

146 100

111 51.1 25.6 76.6

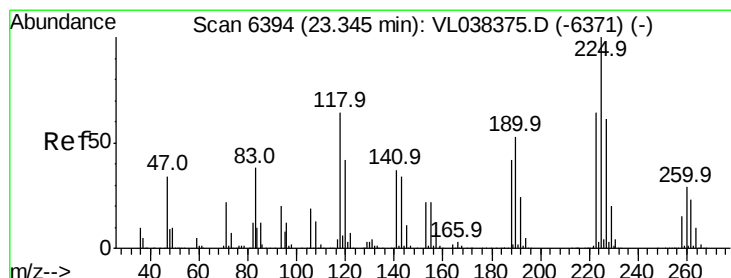
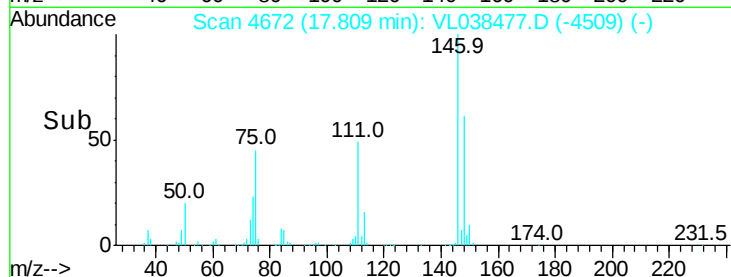
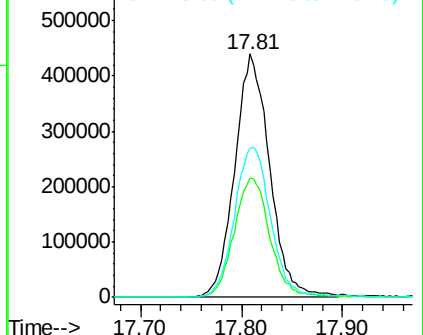
148 64.9 32.4 97.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.58 ppbv

RT: 23.37 min Scan# 6402

Delta R.T. 0.03 min

Lab File: VL038477.D

Acq: 2 Mar 2022 11:48

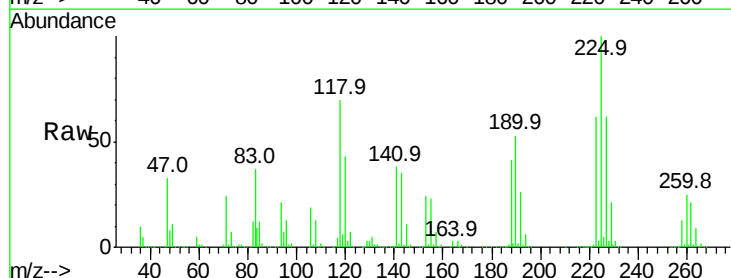
Tgt Ion:225 Resp: 840964

Ion Ratio Lower Upper

225 100

223 64.5 52.0 78.0

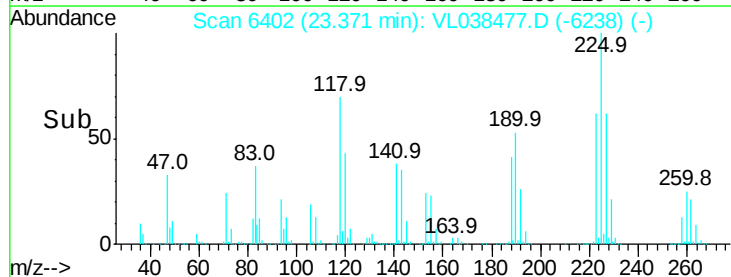
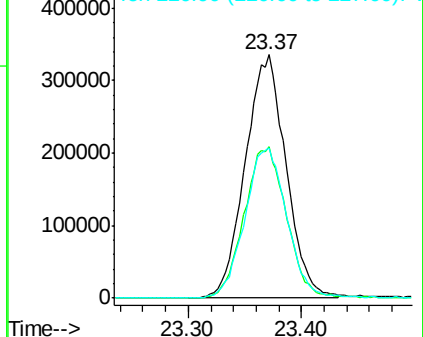
227 64.0 51.6 77.4

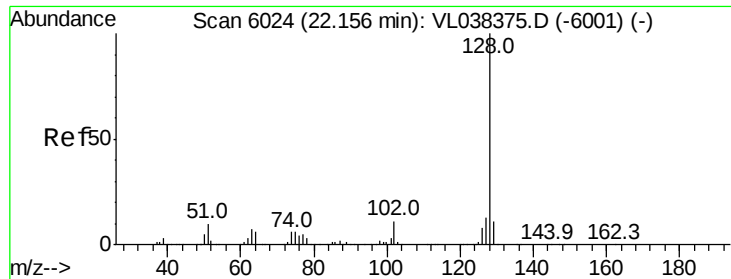


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 4.24 ppbv

RT: 22.19

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 11:48

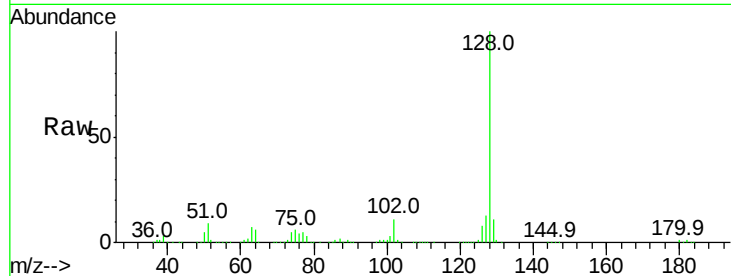
Tgt Ion:128 Resp: 714296

Ion Ratio Lower Upper

128 100

127 12.5 10.7 16.1

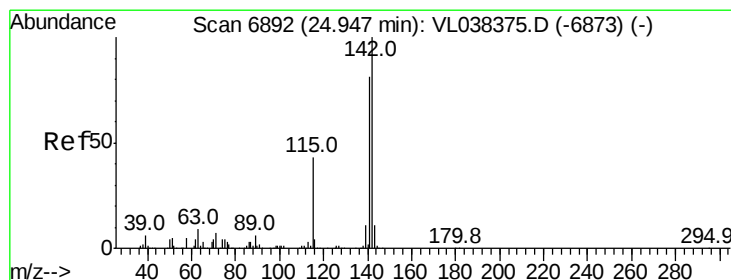
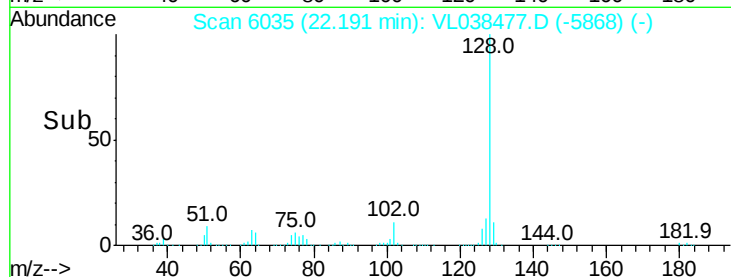
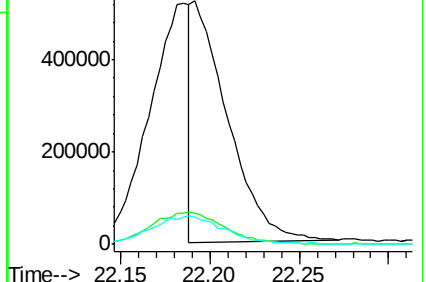
129 11.0 8.8 13.2



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: 6.95 ppbv

RT: 24.96 min Scan# 6897

Delta R.T. 0.02 min

Lab File: VL038477.D

Acq: 2 Mar 2022 11:48

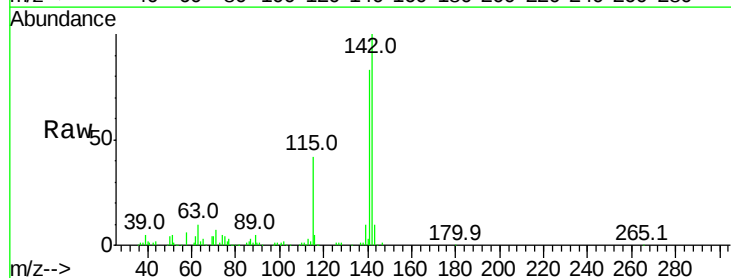
Tgt Ion:142 Resp: 229031

Ion Ratio Lower Upper

142 100

141 87.7 69.8 104.6

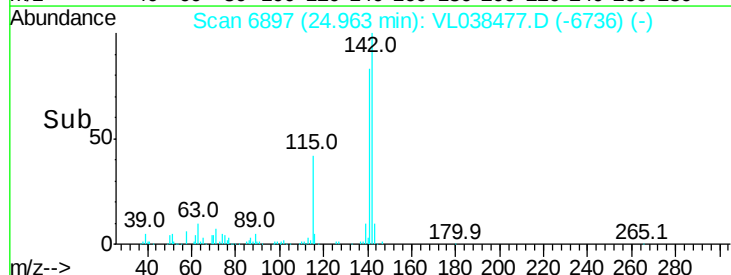
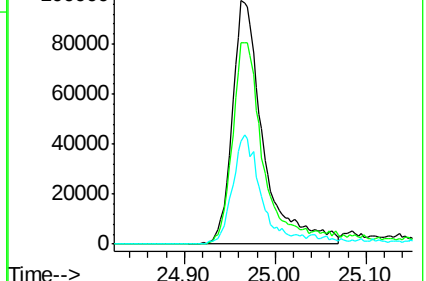
115 44.4 33.0 49.6

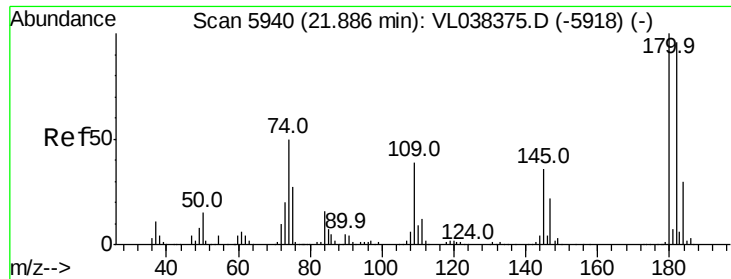


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

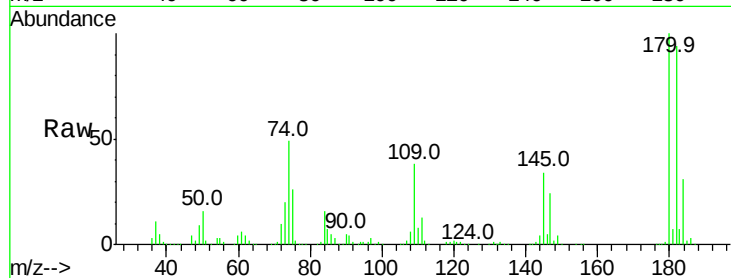
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.37 ppbv
 RT: 21.92
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VL0302ABS01
 Acq: 2 Mar 2022 11:48

Tgt Ion:180 Resp: 853109
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.4 116.2
 184 30.5 24.9 37.3



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

