

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022322\
 Data File : VL038407.D
 Acq On : 23 Feb 2022 13:23
 Operator : SY/AP
 Sample : VL0223ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0223ABS01

Quant Time: Feb 24 07:25:11 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	5.67	49	941940	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	2289885	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	2566779	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1719304	8.10	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	1324213	8.88	ppbv	98
3) Chlorodifluoromethane	3.00	51	1571001	9.45	ppbv	99
4) Chloromethane	3.15	50	548849	9.50	ppbv	95
5) Vinyl Chloride	3.27	62	560460	9.28	ppbv	96
6) Bromomethane	3.48	94	318041	9.98	ppbv	99
7) Chloroethane	3.57	64	192085	9.90	ppbv	98
8) Dichlorotetrafluoroethane	3.20	85	1370833	9.88	ppbv	98
9) Propene	3.02	41	518432	9.44	ppbv	100
10) Heptane	8.13	43	1322625	9.89	ppbv	99
11) Trichlorofluoromethane	3.96	101	1389945	9.73	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.49	101	946650	9.04	ppbv	98
13) Ethanol	3.63	45	40984	7.48	ppbv	100
14) Bromoethene	3.75	108	409644	9.82	ppbv	99
15) Acetone	3.86	43	675513	8.43	ppbv	98
16) 1,3-Butadiene	3.34	39	541563	10.12	ppbv	98
17) tert-Butyl alcohol	4.29	59	786115	9.84	ppbv	99
18) 1,1-Dichloroethene	4.30	96	422944	9.20	ppbv	99
19) Isopropyl Alcohol	3.97	45	444236	9.58	ppbv #	98
20) Methylene Chloride	4.35	84	331827	8.36	ppbv	95
21) Allyl Chloride	4.42	41	621855	9.19	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	443435	9.56	ppbv	98
23) Vinyl Acetate	5.08	43	970702	9.14	ppbv	99
24) 1,1-Dichloroethane	5.02	63	874742	9.17	ppbv	100
25) Ethyl Acetate	5.68	43	2071602	9.63	ppbv	99
26) Hexane	5.69	57	939860	9.64	ppbv	99
27) Carbon Disulfide	4.56	76	1071525	9.88	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	932027	9.39	ppbv	98
29) Chloroform	5.76	83	1562392	9.82	ppbv	98
30) Cyclohexane	7.14	84	776322	9.74	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	943768	10.00	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	1556477	9.73	ppbv	99
34) 2-Butanone	5.25	43	934565	12.98	ppbv	100
35) Carbon Tetrachloride	7.02	117	1606163	9.97	ppbv	99
36) Benzene	6.90	78	1967952	9.76	ppbv	97
37) 1,2-Dichloroethane	6.31	62	1172361	10.06	ppbv	100
38) Trichloroethene	7.84	130	685426	9.33	ppbv	98
39) 1,2-Dichloropropane	7.62	63	771785	9.61	ppbv	96
40) 1,4-Dioxane	7.84	88	174529	9.16	ppbv #	1
41) Tetrahydrofuran	6.06	42	497036	10.21	ppbv	99
42) Bromodichloromethane	7.80	83	1720198	10.23	ppbv	99
43) Methyl Methacrylate	8.02	69	734895	10.49	ppbv	99

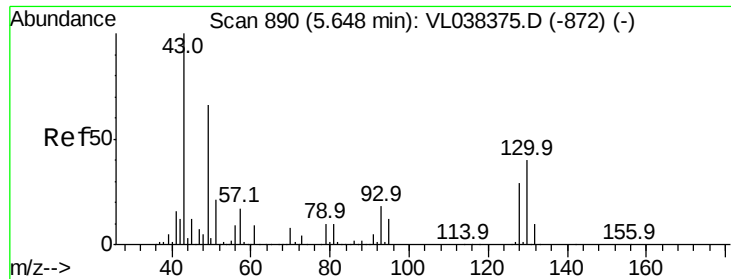
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022322\
 Data File : VL038407.D
 Acq On : 23 Feb 2022 13:23
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Quant Time: Feb 24 07:25:11 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: 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	3361736	9.70	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	595692	10.64	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	752515	10.25	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	761442	9.53	ppbv	95
48) Dibromochloromethane	10.31	129	1280952	9.81	ppbv	100
49) Bromoform	13.04	173	870254	9.03	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	1316867	10.34	ppbv	99
51) 2-Hexanone	10.14	43	574392	10.08	ppbv #	99
52) Tetrachloroethene	11.23	164	596848	8.92	ppbv	97
53) Toluene	9.81	91	2147479	9.81	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1094405	9.73	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	815908	7.63	ppbv #	54
57) Chlorobenzene	12.15	112	1435607	7.25	ppbv	99
58) Ethyl Benzene	12.71	91	2734093	7.79	ppbv	99
59) m/p-Xylene	13.00	91	2283862	7.58	ppbv #	33
60) o-Xylene	13.70	91	2119047	7.44	ppbv	100
61) Styrene	13.53	104	1044659	7.95	ppbv	98
62) Isopropylbenzene	14.67	105	2800752	7.32	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	1436753	6.21	ppbv	99
64) n-propylbenzene	15.56	120	680815	7.19	ppbv	92
65) tert-Butylbenzene	16.75	119	2274292	6.87	ppbv	99
66) Benzyl Chloride	16.99	91	104923	5.86	ppbv	97
67) sec-Butylbenzene	17.29	105	3178352	6.77	ppbv	99
69) p-Isopropyltoluene	17.65	119	2540739	6.89	ppbv	99
70) n-Butylbenzene	18.55	91	2674477	7.01	ppbv	99
71) 2-Chlorotoluene	15.46	91	2048526	6.97	ppbv	100
72) 4-Ethyltoluene	15.84	105	2250266	7.17	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	2007998	7.04	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	2072179	6.88	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	1100211	6.53	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1036422	6.23	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	1045636	6.44	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	831271	6.72	ppbv	100
79) Naphthalene	22.19	128	1586887	9.73	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	237416	7.45	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	854048	8.66	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Feb 2022 13:23

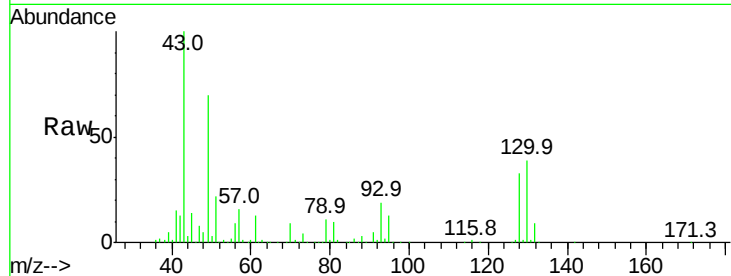
Tgt Ion: 49 Resp: 941940

Ion Ratio Lower Upper

49 100

128 48.8 24.3 72.9

130 59.5 30.1 90.5



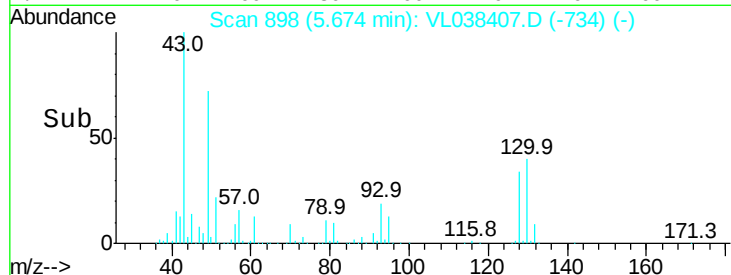
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

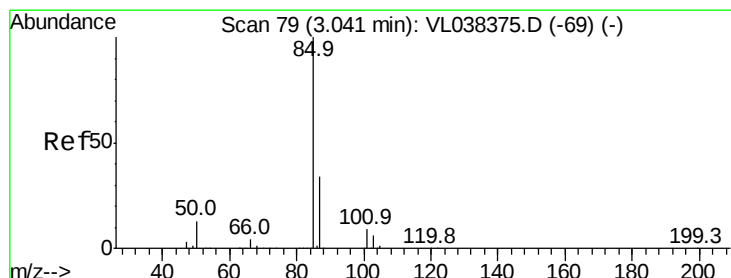
Ion 130.00 (129.70 to 130.70): VL0

5.67

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 8.88 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.02 min

Lab File: VL038407.D

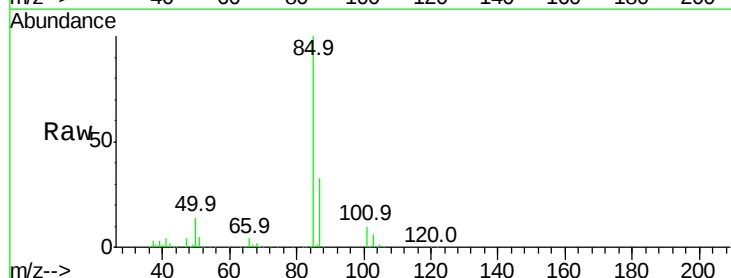
Acq: 23 Feb 2022 13:23

Tgt Ion: 85 Resp: 1324213

Ion Ratio Lower Upper

85 100

87 33.0 27.4 41.0

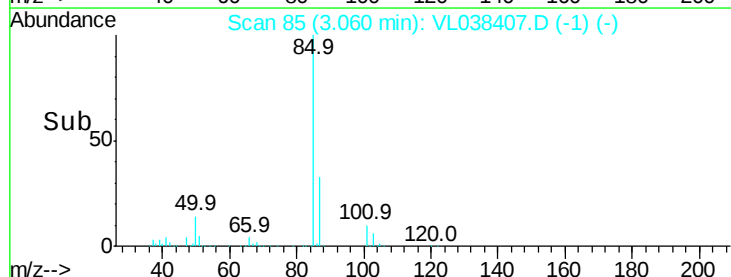


Abundance Ion 85.00 (84.70 to 85.70): VL0

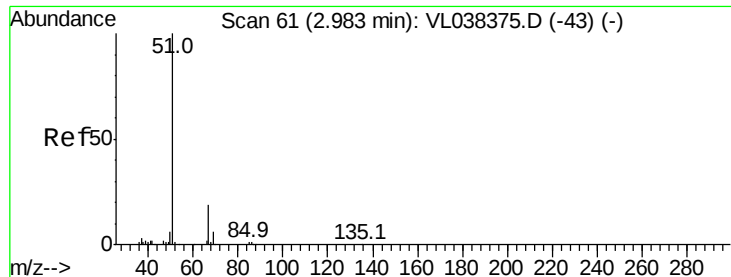
Ion 87.00 (86.70 to 87.70): VL0

3.06

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 9.45 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

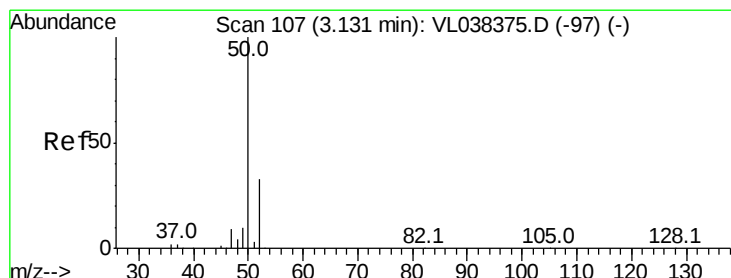
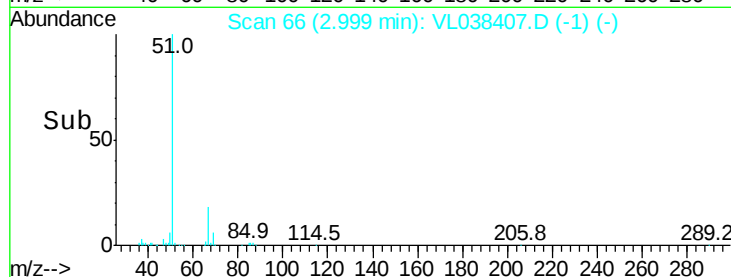
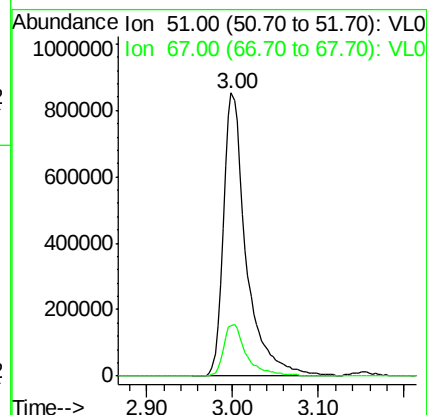
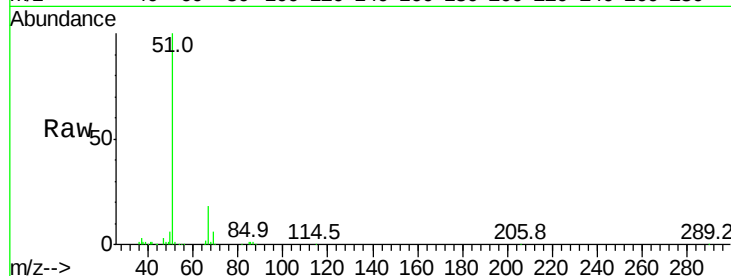
Acq: 23 Feb 2022 13:23 VL0223ABS01

Tgt Ion: 51 Resp: 1571001

Ion Ratio Lower Upper

51 100

67 18.7 14.7 22.1



#4

Chloromethane

Concen: 9.50 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.02 min

Lab File: VL038407.D

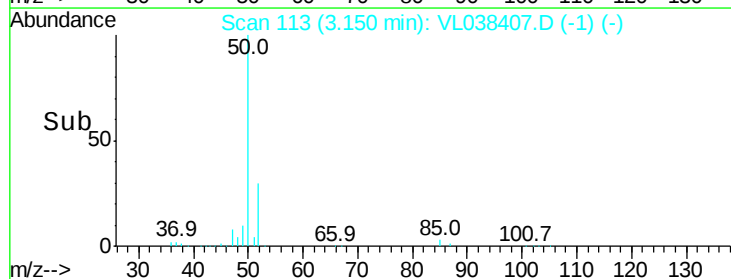
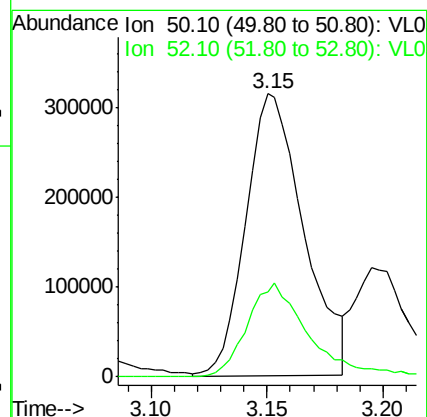
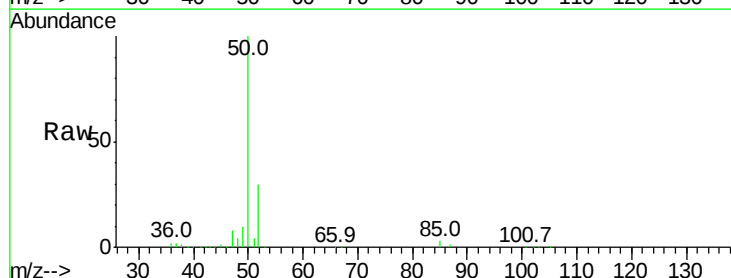
Acq: 23 Feb 2022 13:23

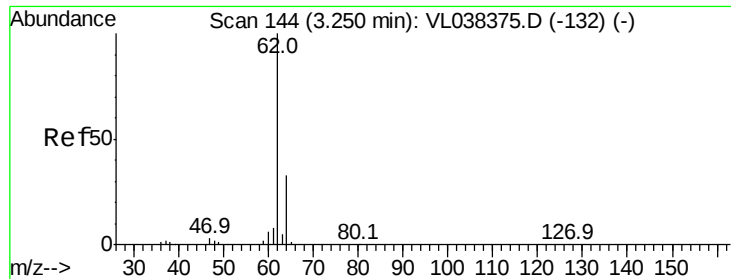
Tgt Ion: 50 Resp: 548849

Ion Ratio Lower Upper

50 100

52 30.4 26.5 39.7





#5

Vinyl Chloride

Concen: 9.28 ppbv

RT: 3.27

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

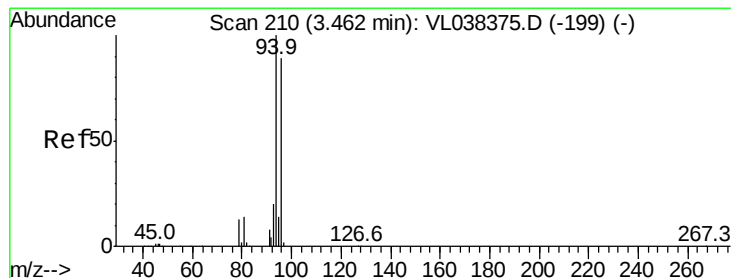
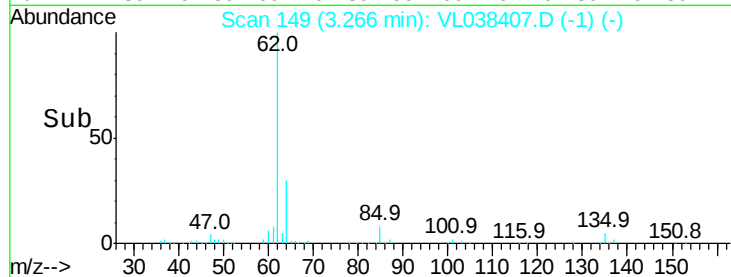
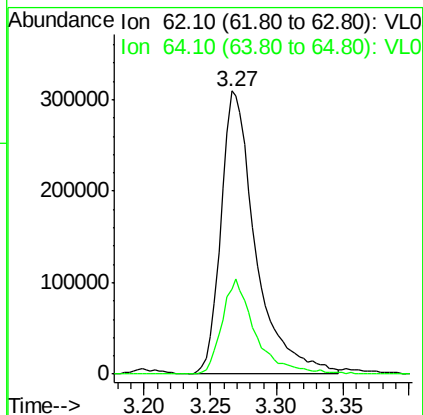
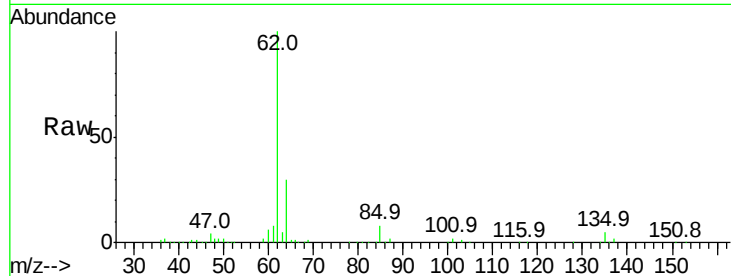
Acq: 23 Feb 2022 13:23

Tgt Ion: 62 Resp: 560460

Ion Ratio Lower Upper

62 100

64 30.3 26.2 39.2



#6

Bromomethane

Concen: 9.98 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.02 min

Lab File: VL038407.D

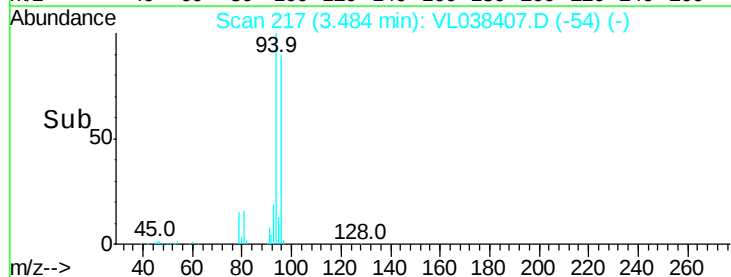
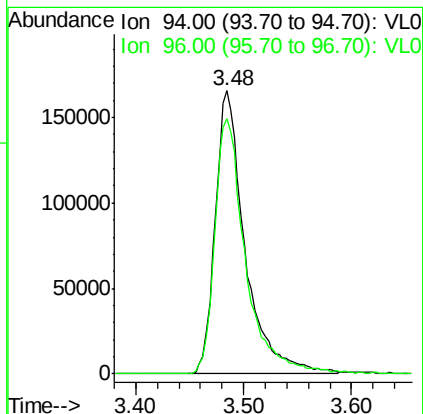
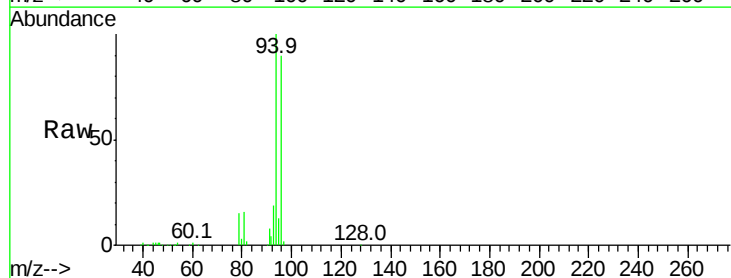
Acq: 23 Feb 2022 13:23

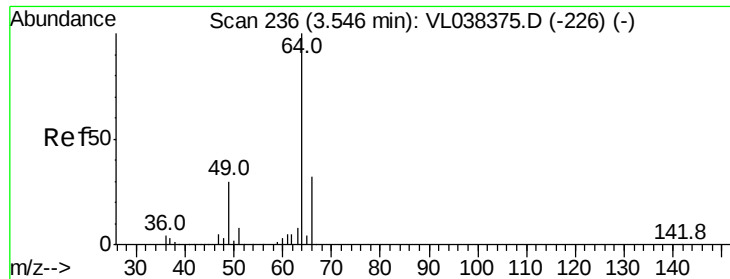
Tgt Ion: 94 Resp: 318041

Ion Ratio Lower Upper

94 100

96 90.1 71.0 106.6





#7

Chloroethane

Concen: 9.90 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

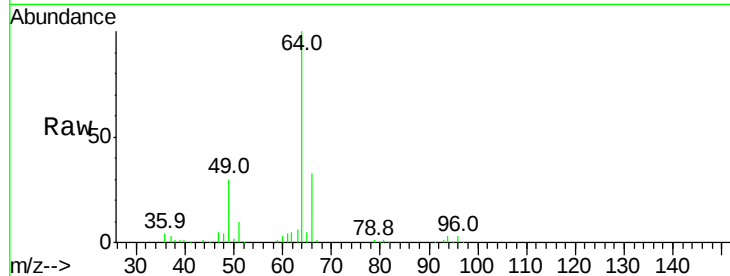
Acq: 23 Feb 2022 13:23 VL0223ABS01

Tgt Ion: 64 Resp: 192085

Ion Ratio Lower Upper

64 100

66 33.5 25.9 38.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.57

120000

100000

80000

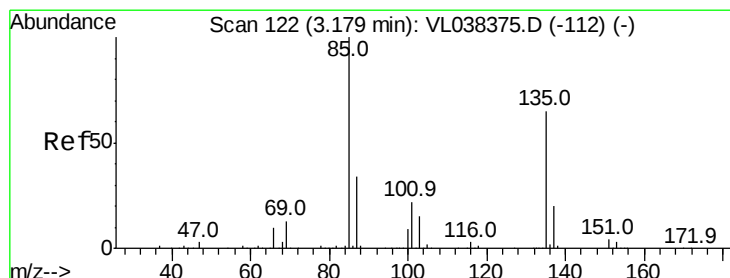
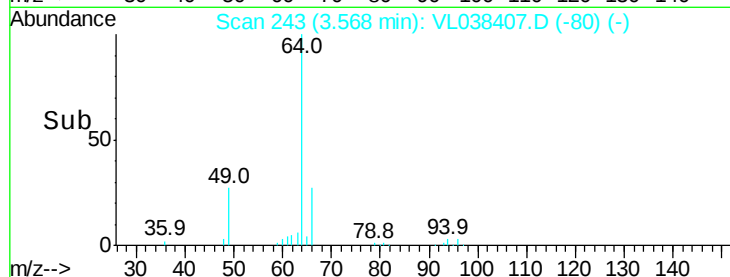
60000

40000

20000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.88 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.02 min

Lab File: VL038407.D

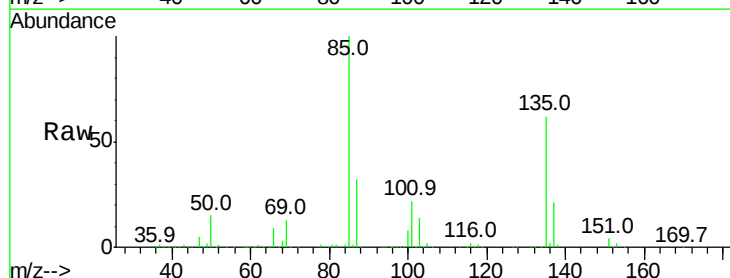
Acq: 23 Feb 2022 13:23

Tgt Ion: 85 Resp: 1370833

Ion Ratio Lower Upper

85 100

135 65.6 54.1 81.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.20

800000

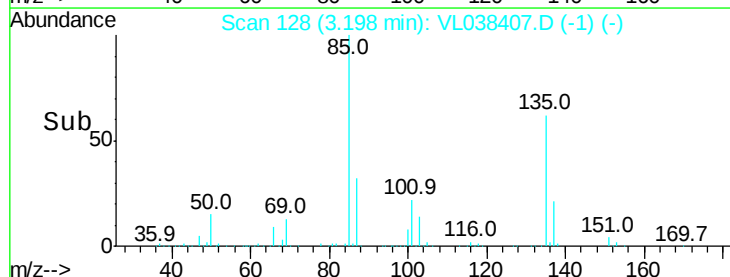
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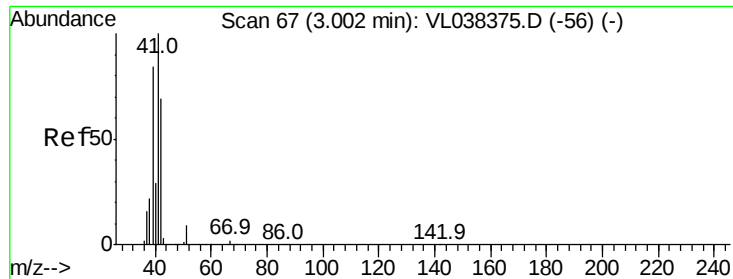
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200000

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Time-->





#9

Propene

Concen: 9.44 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

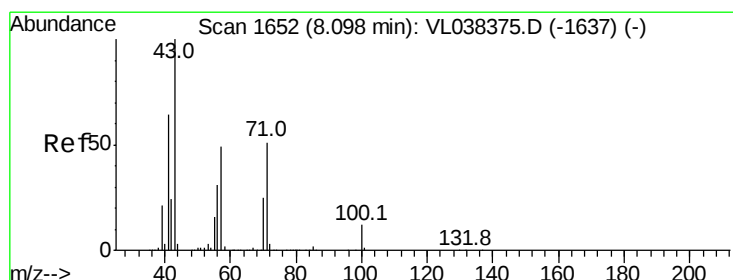
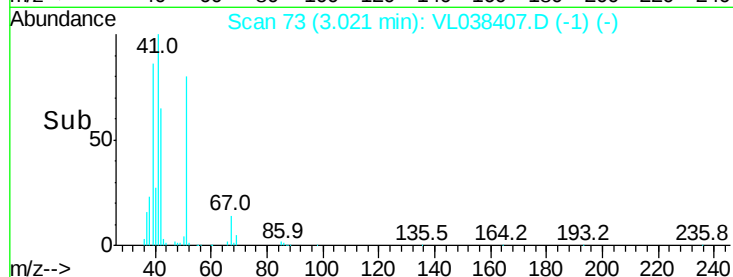
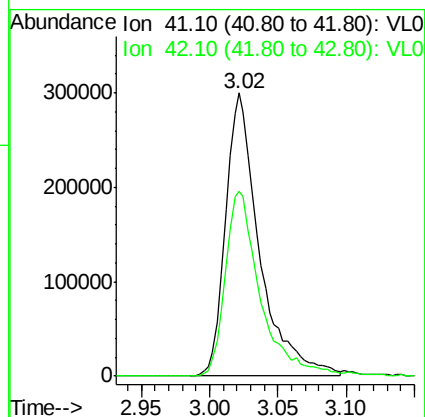
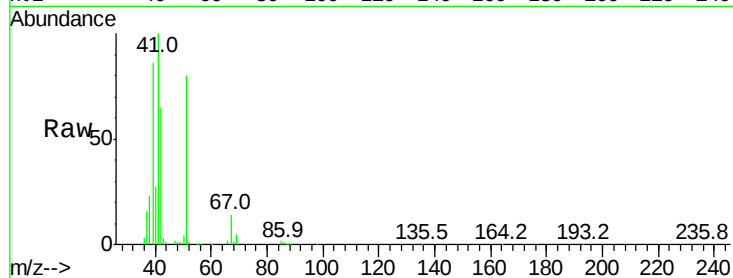
Acq: 23 Feb 2022 13:23

Tgt Ion: 41 Resp: 518432

Ion Ratio Lower Upper

41 100

42 68.2 54.6 82.0



#10

Heptane

Concen: 9.89 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.03 min

Lab File: VL038407.D

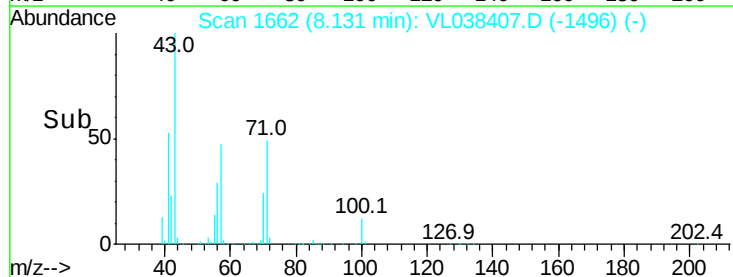
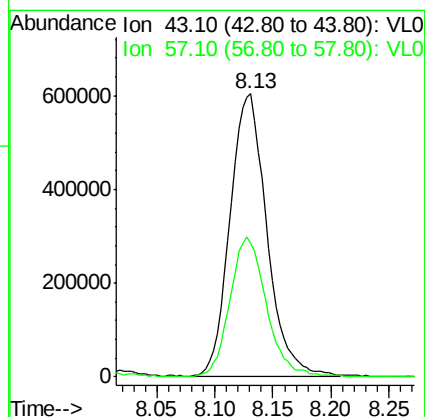
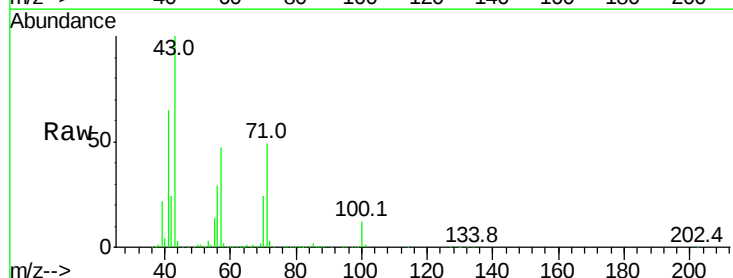
Acq: 23 Feb 2022 13:23

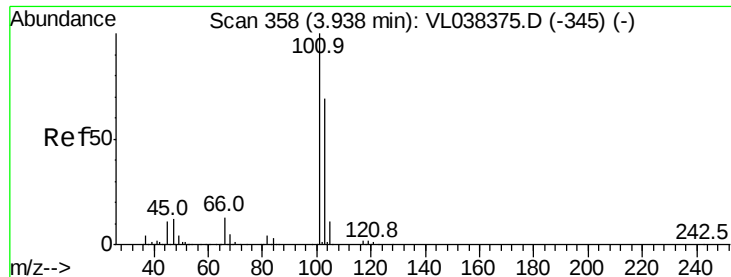
Tgt Ion: 43 Resp: 1322625

Ion Ratio Lower Upper

43 100

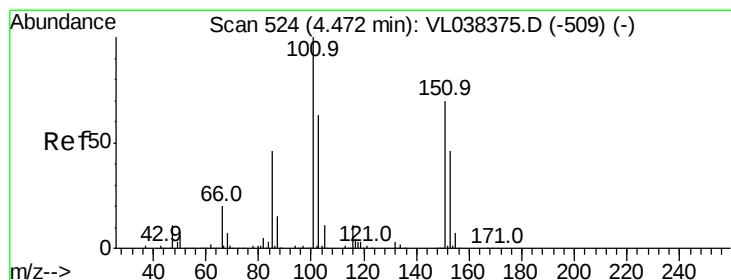
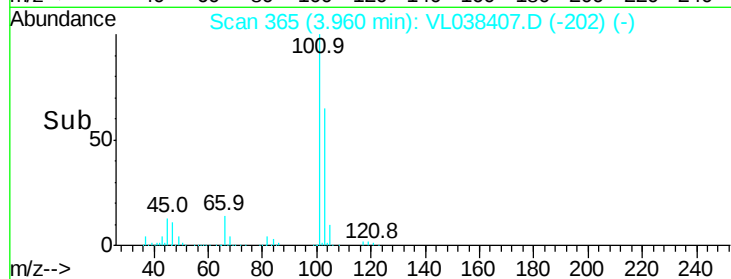
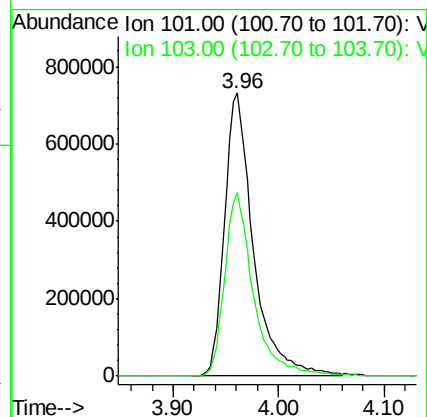
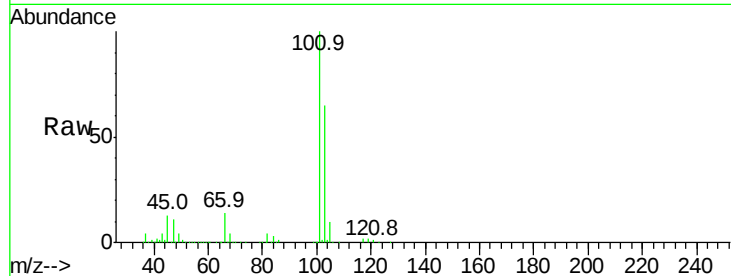
57 49.2 39.8 59.8





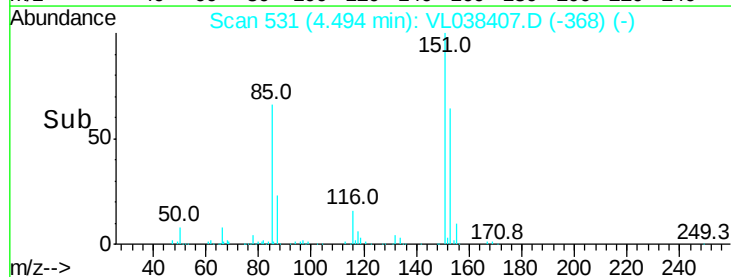
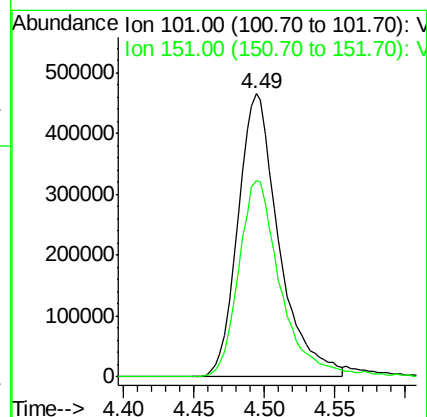
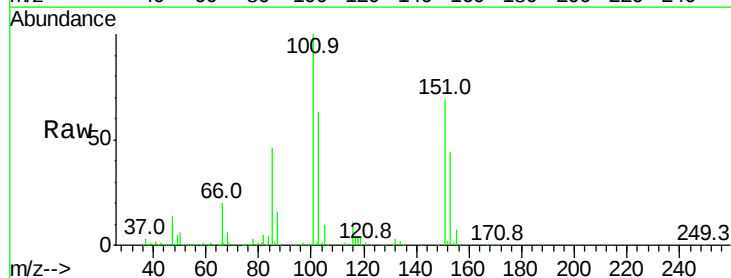
#11
 Trichlorofluoromethane
 Concen: 9.73 ppbv
 RT: 3.96
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Feb 2022 13:23

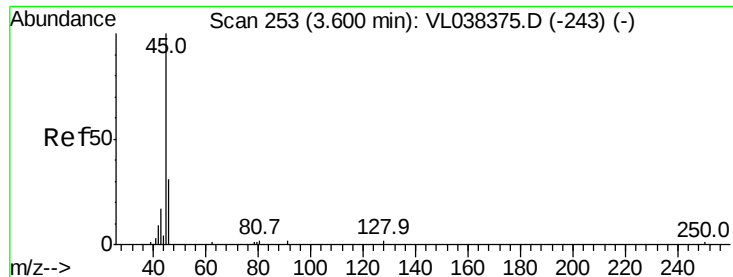
Tgt Ion:101 Resp: 1389945
 Ion Ratio Lower Upper
 101 100
 103 65.0 55.0 82.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.04 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.02 min
 Lab File: VL038407.D
 Acq: 23 Feb 2022 13:23

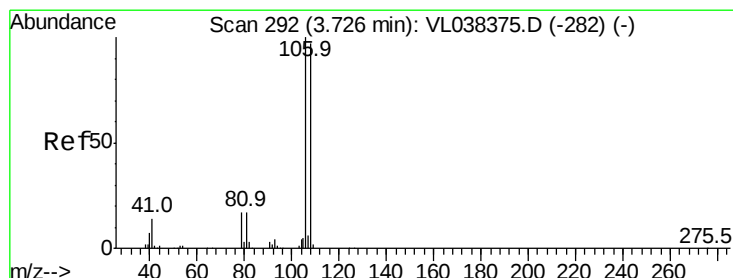
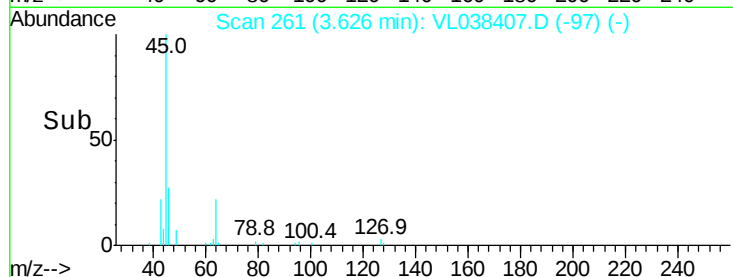
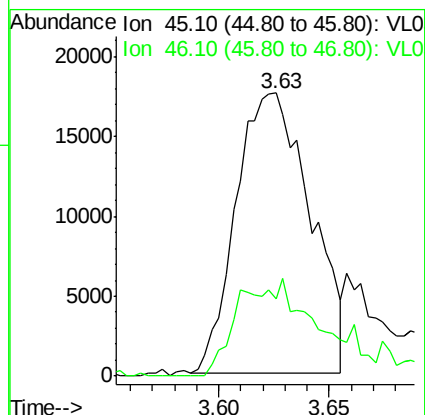
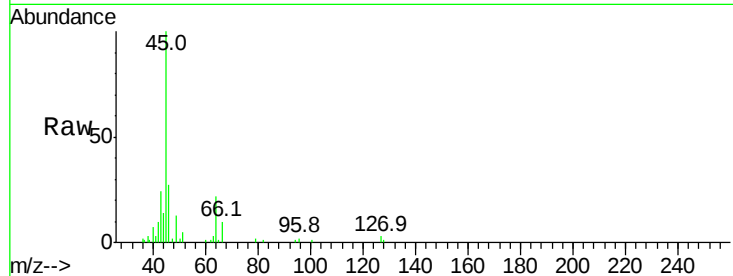
Tgt Ion:101 Resp: 946650
 Ion Ratio Lower Upper
 101 100
 151 71.9 55.9 83.9





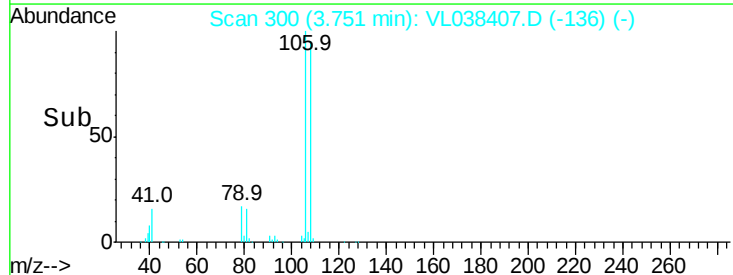
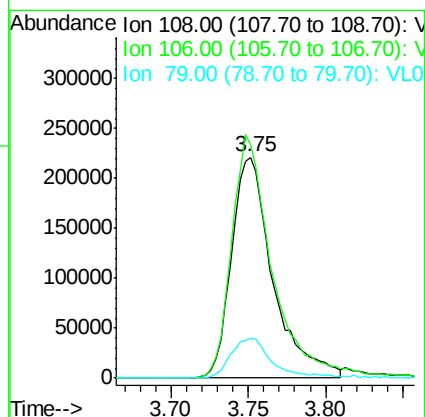
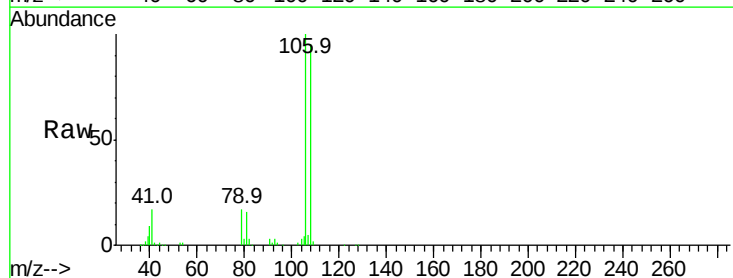
#13
Ethanol
Concen: 7.48 ppbv
RT: 3.63
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0223ABS01
Acq: 23 Feb 2022 13:23

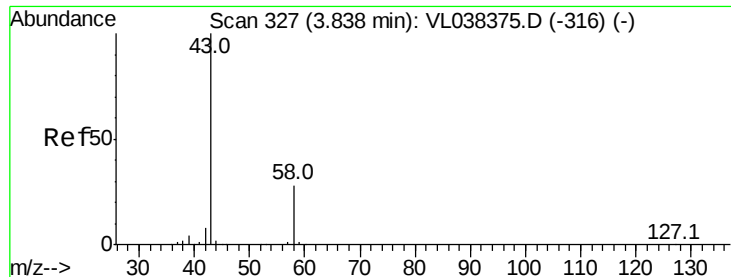
Tgt Ion: 45 Resp: 40984
Ion Ratio Lower Upper
45 100
46 45.7 18.2 72.8



#14
Bromoethene
Concen: 9.82 ppbv
RT: 3.75 min Scan# 300
Delta R.T. 0.03 min
Lab File: VL038407.D
Acq: 23 Feb 2022 13:23

Tgt Ion: 108 Resp: 409644
Ion Ratio Lower Upper
108 100
106 109.5 88.4 132.6
79 19.0 15.0 22.6





#15

Acetone

Concen: 8.43 ppbv

RT: 3.86 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

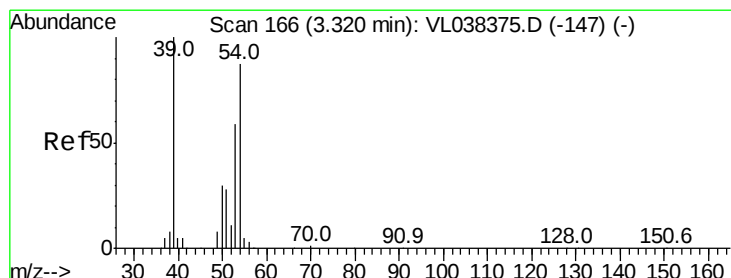
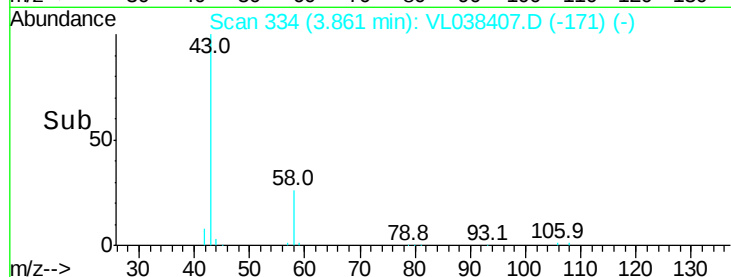
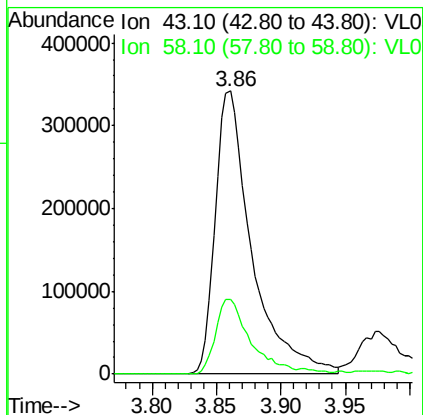
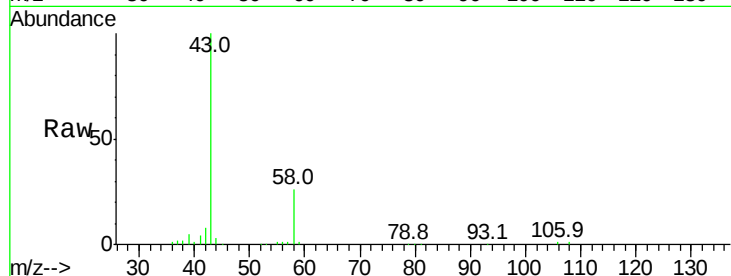
Acq: 23 Feb 2022 13:23

Tgt Ion: 43 Resp: 675513

Ion Ratio Lower Upper

43 100

58 26.1 21.7 32.5



#16

1,3-Butadiene

Concen: 10.12 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.02 min

Lab File: VL038407.D

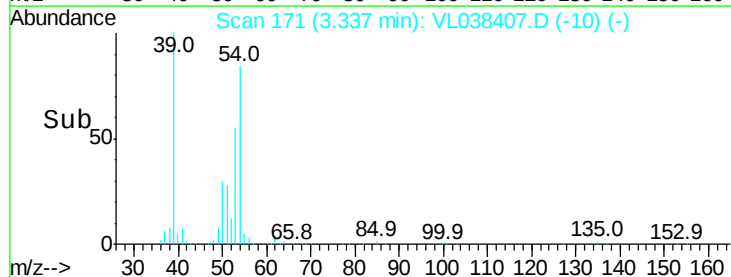
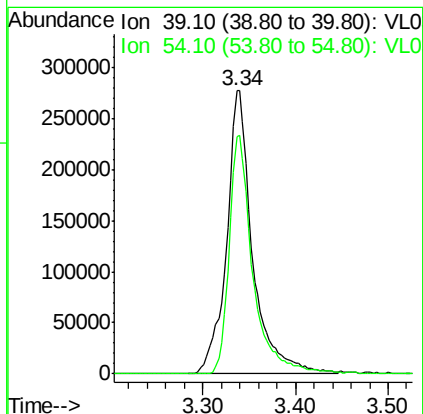
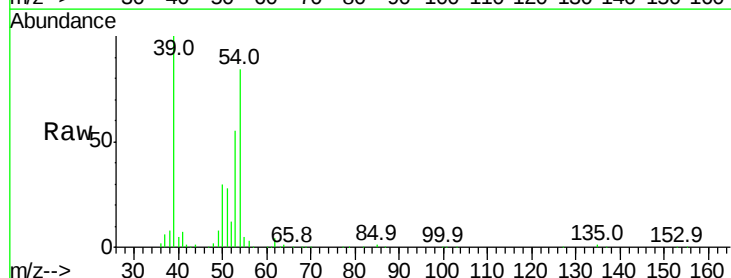
Acq: 23 Feb 2022 13:23

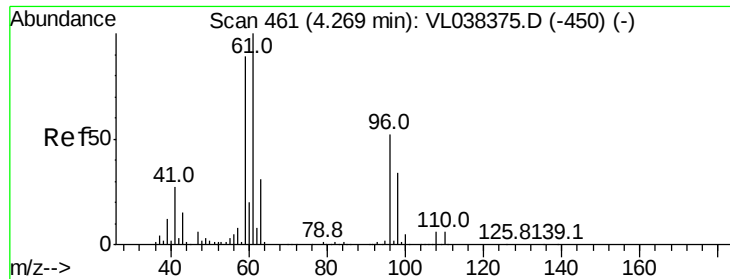
Tgt Ion: 39 Resp: 541563

Ion Ratio Lower Upper

39 100

54 77.0 60.3 90.5





#17

tert-Butyl alcohol

Concen: 9.84 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

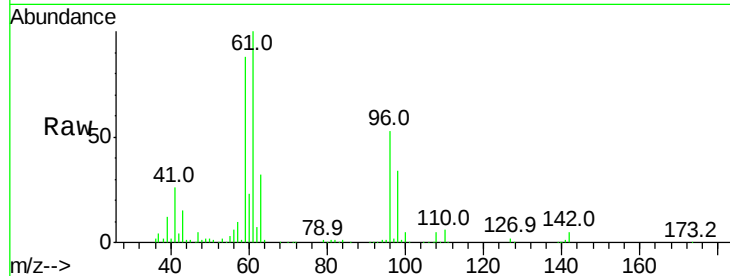
Acq: 23 Feb 2022 13:23 VL0223ABS01

Tgt Ion: 59 Resp: 786115

Ion Ratio Lower Upper

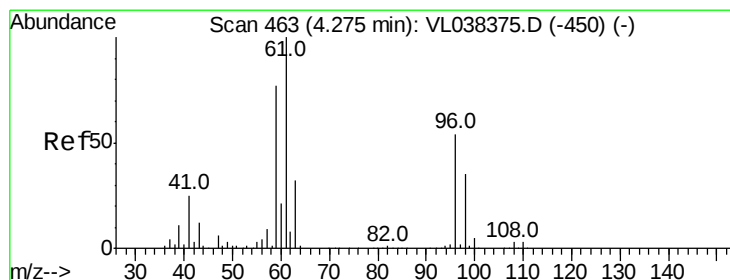
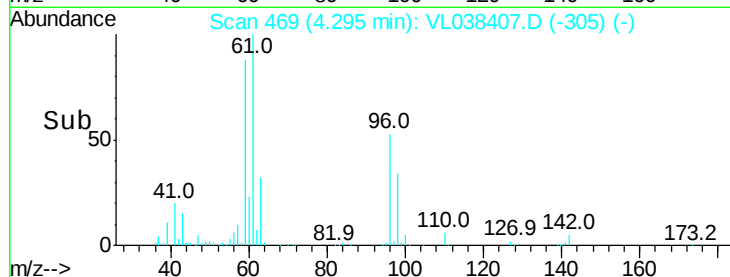
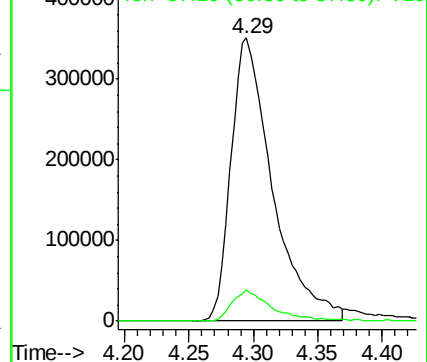
59 100

57 10.8 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.20 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.02 min

Lab File: VL038407.D

Acq: 23 Feb 2022 13:23

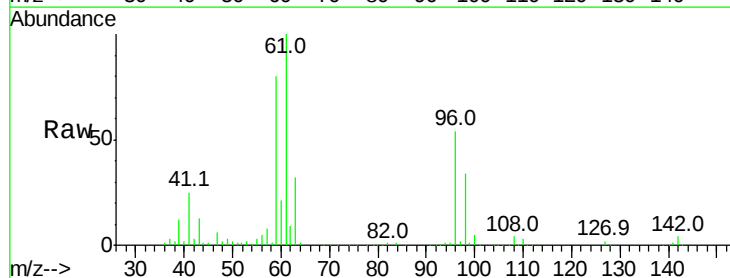
Tgt Ion: 96 Resp: 422944

Ion Ratio Lower Upper

96 100

61 184.6 146.8 220.2

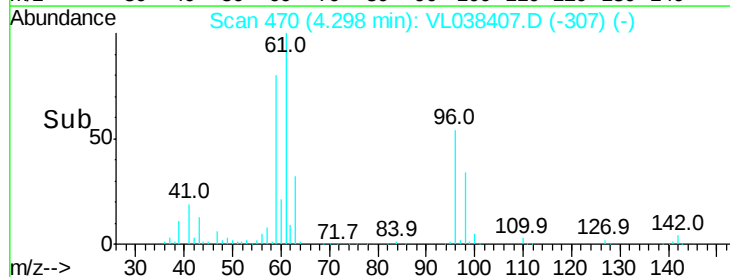
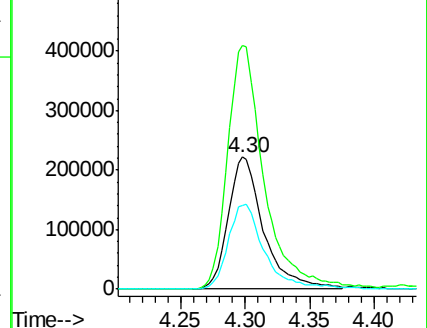
98 63.3 51.5 77.3

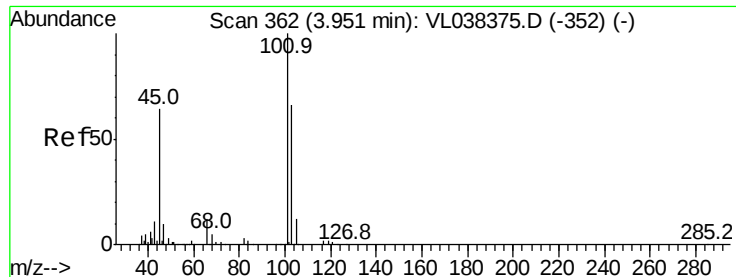


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 9.58 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

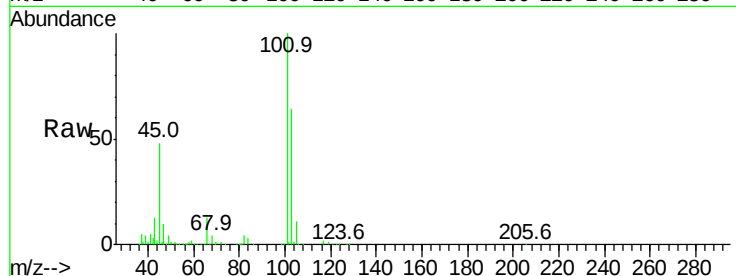
Acq: 23 Feb 2022 13:23 VL0223ABS01

Tgt Ion: 45 Resp: 444236

Ion Ratio Lower Upper

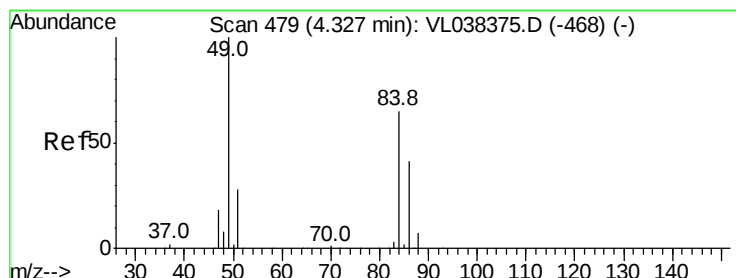
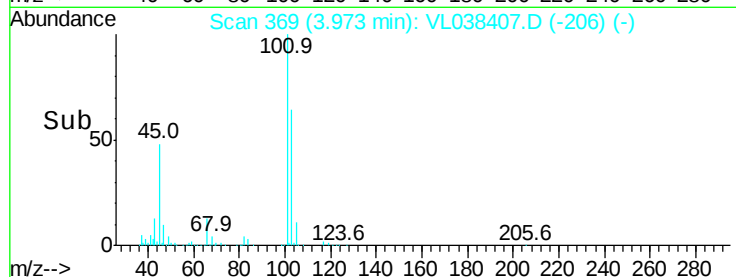
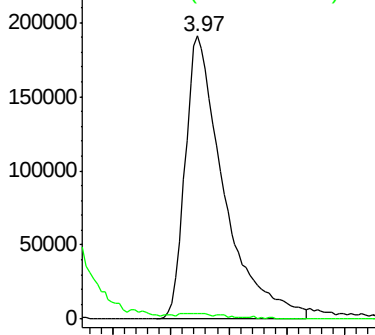
45 100

58 2.8 1.8 2.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.36 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.03 min

Lab File: VL038407.D

Acq: 23 Feb 2022 13:23

Tgt Ion: 84 Resp: 331827

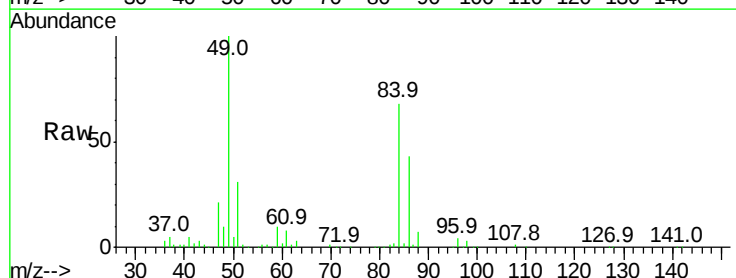
Ion Ratio Lower Upper

84 100

49 143.7 122.4 183.6

51 44.0 33.3 49.9

86 62.9 50.7 76.1

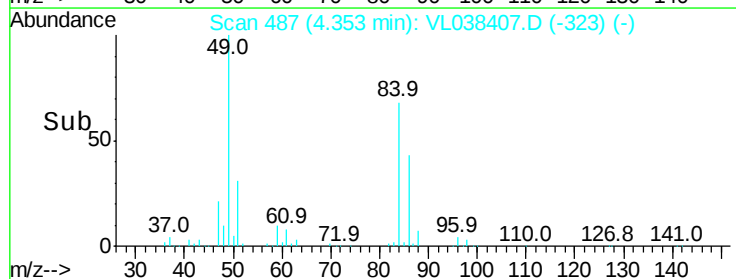
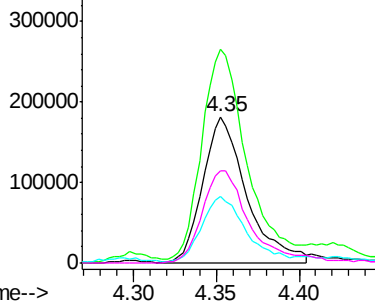


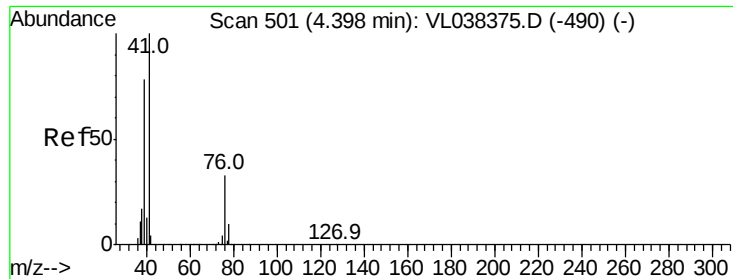
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allyl Chloride

Concen: 9.19 ppbv

RT: 4.42 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 23 Feb 2022 13:23 VL0223ABS01

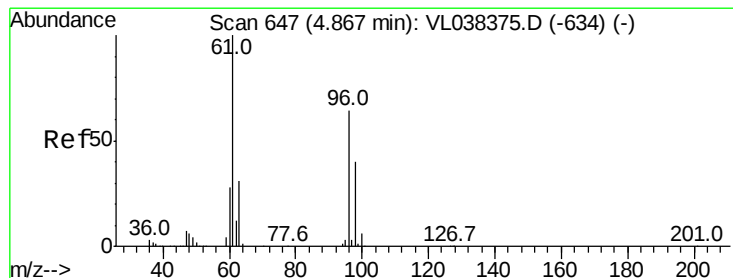
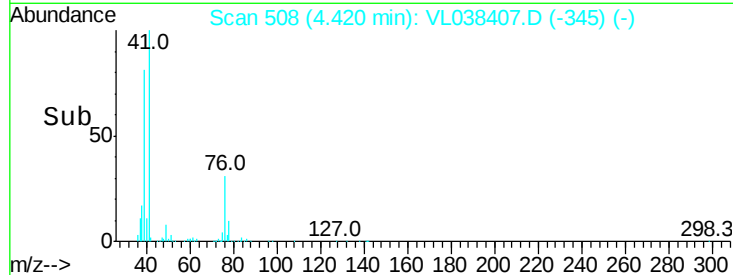
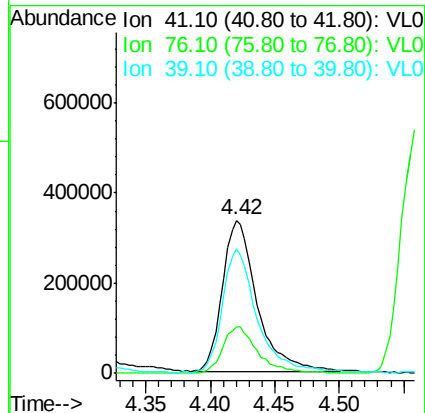
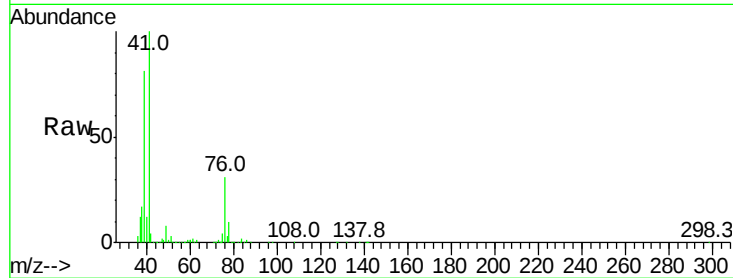
Tgt Ion: 41 Resp: 621855

Ion Ratio Lower Upper

41 100

76 32.0 25.4 38.0

39 82.4 63.0 94.6



#22

trans-1,2-Dichloroethene

Concen: 9.56 ppbv

RT: 4.89 min Scan# 655

Delta R.T. 0.03 min

Lab File: VL038407.D

Acq: 23 Feb 2022 13:23

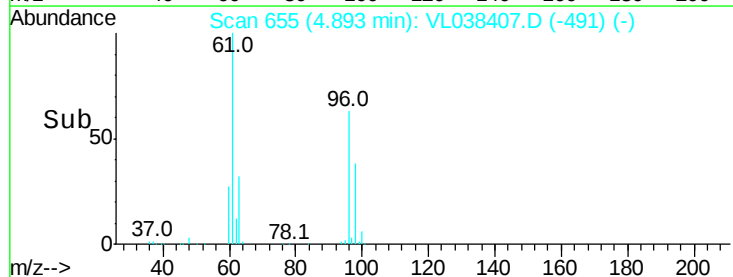
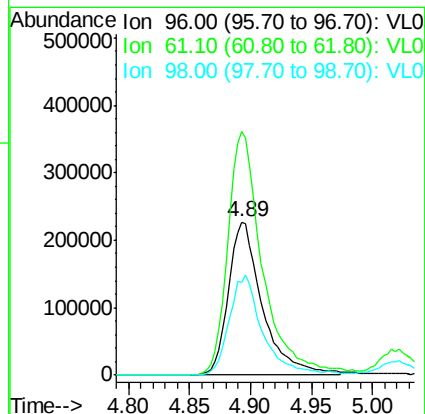
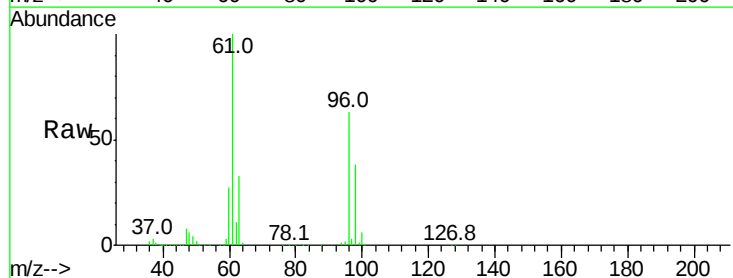
Tgt Ion: 96 Resp: 443435

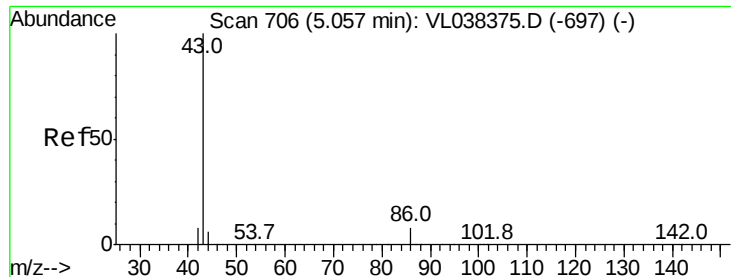
Ion Ratio Lower Upper

96 100

61 159.1 124.2 186.4

98 60.4 49.1 73.7





#23

Vinyl Acetate

Concen: 9.14 ppbv

RT: 5.08 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 23 Feb 2022 13:23

Tgt Ion: 43 Resp: 970702

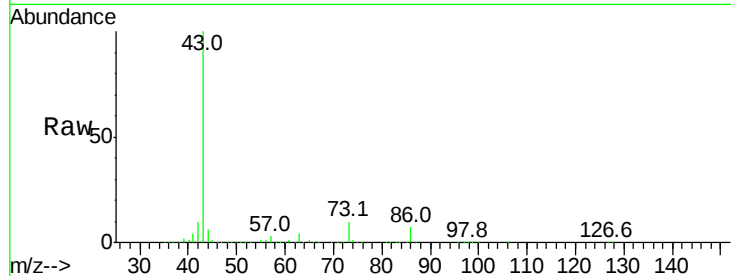
Ion Ratio Lower Upper

43 100

86 7.0 5.8 8.6

42 9.6 7.4 11.0

44 5.5 4.2 6.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

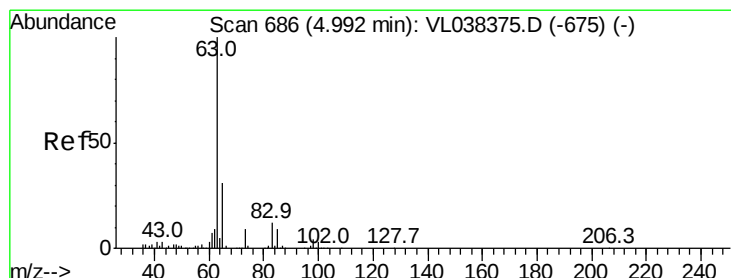
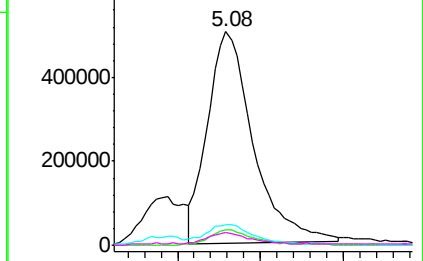
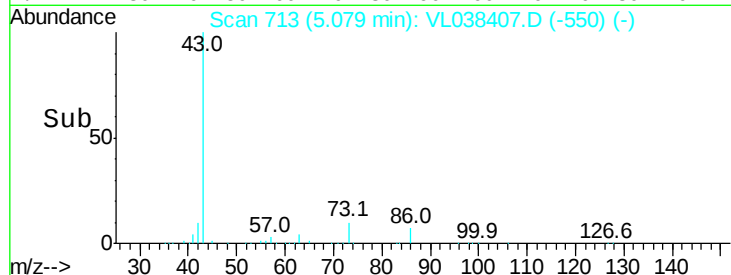
800000

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

600000



#24

1,1-Dichloroethane

Concen: 9.17 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.03 min

Lab File: VL038407.D

Acq: 23 Feb 2022 13:23

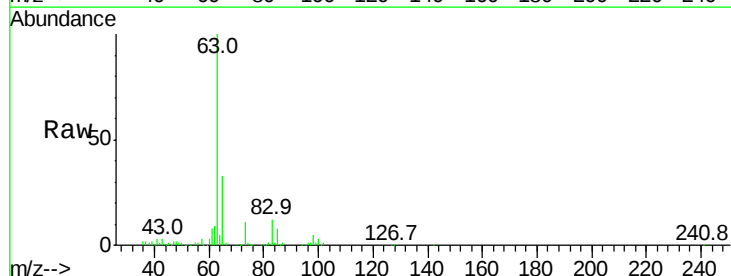
Tgt Ion: 63 Resp: 874742

Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.5

100 2.9 1.4 4.2



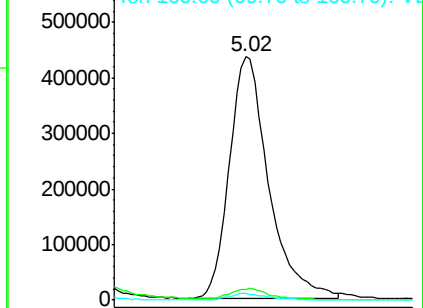
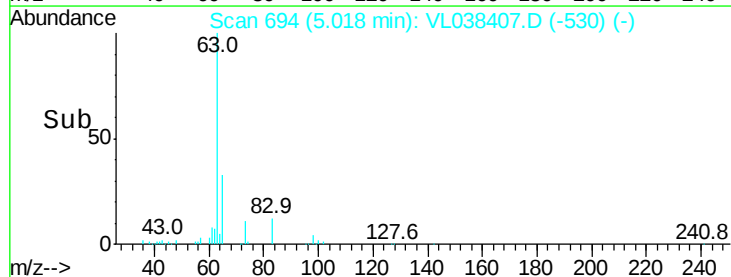
Abundance Ion 63.10 (62.80 to 63.80): VL0

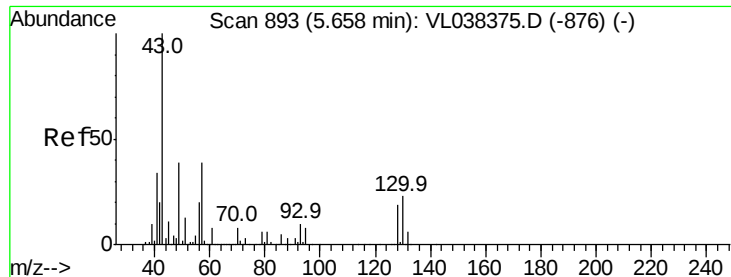
600000

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

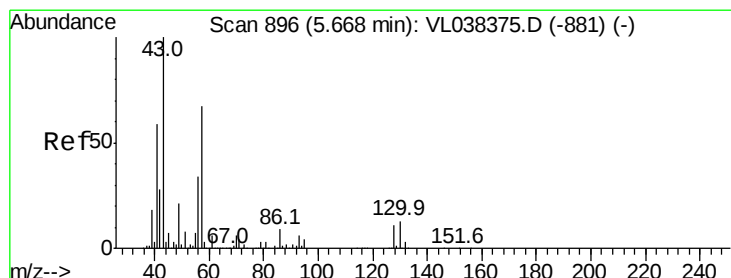
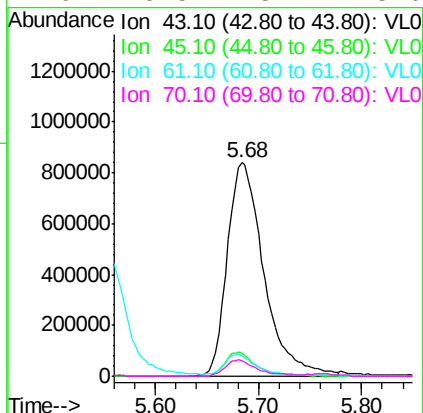
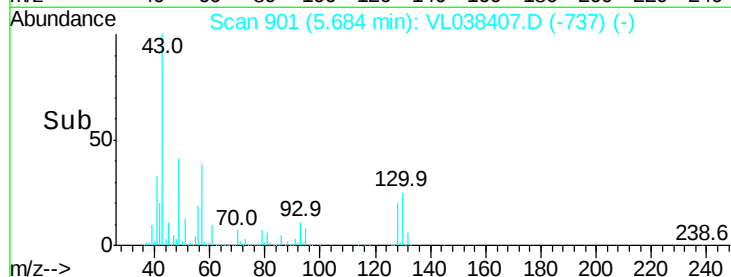
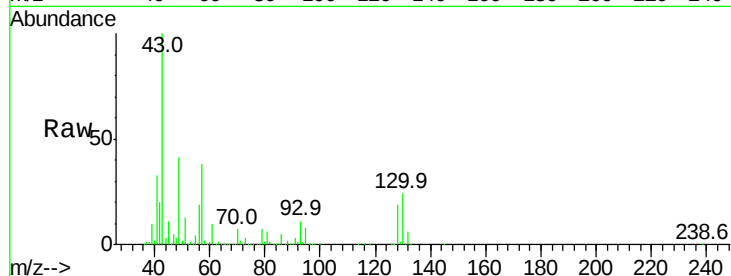
500000





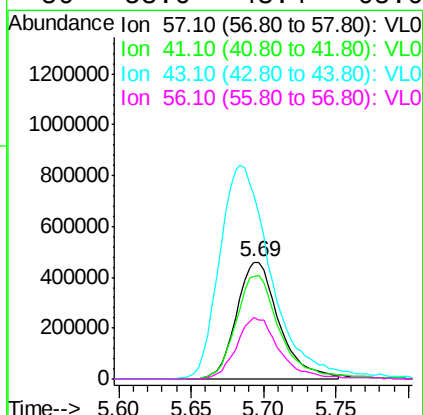
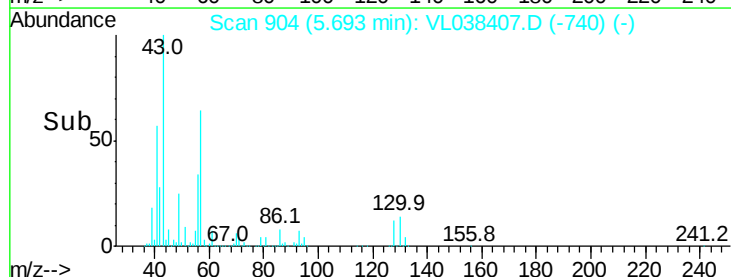
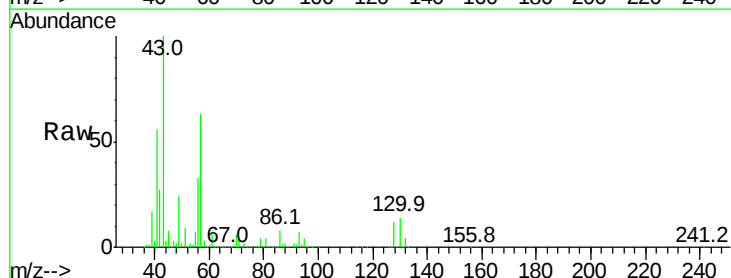
#25
Ethyl Acetate
Concen: 9.63 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0223ABS01
Acq: 23 Feb 2022 13:23

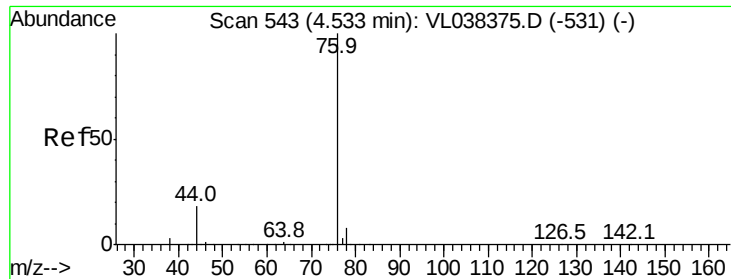
Tgt Ion:	43	Resp:	2071602
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	9.9	7.5	11.3
70	6.5	5.4	8.0



#26
Hexane
Concen: 9.64 ppbv
RT: 5.69 min Scan# 904
Delta R.T.: 0.03 min
Lab File: VL038407.D
Acq: 23 Feb 2022 13:23

Tgt Ion:	57	Resp:	939860
Ion	Ratio	Lower	Upper
57	100		
41	93.0	73.1	109.7
43	224.1	181.0	271.4
56	53.6	43.4	65.0

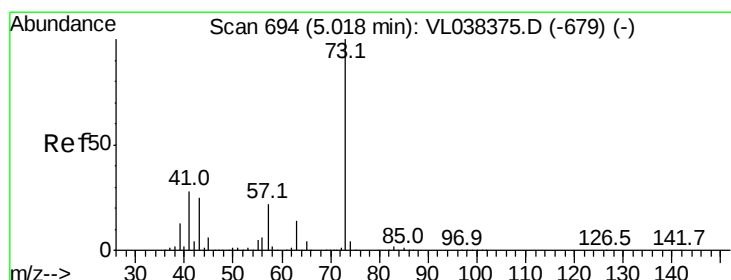
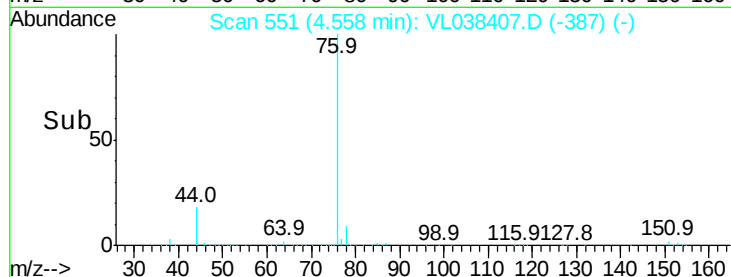
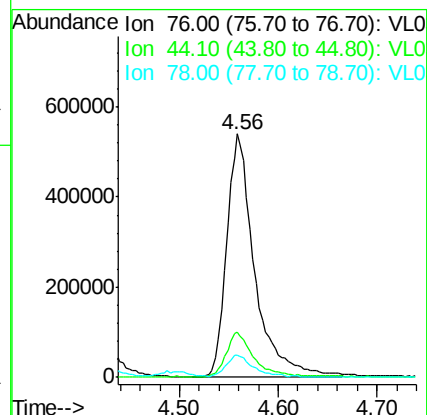
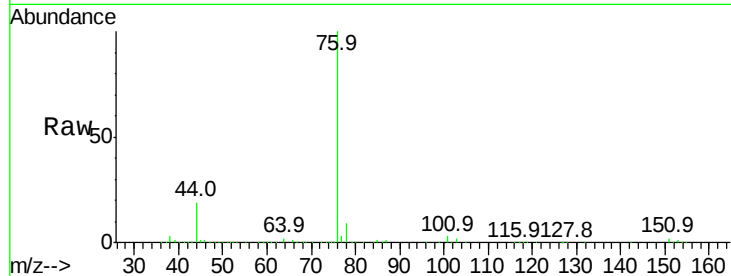




#27
Carbon Disulfide
Concen: 9.88 ppbv
RT: 4.56
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL0223ABS01
Acq: 23 Feb 2022 13:23

Tgt Ion: 76 Resp: 1071525

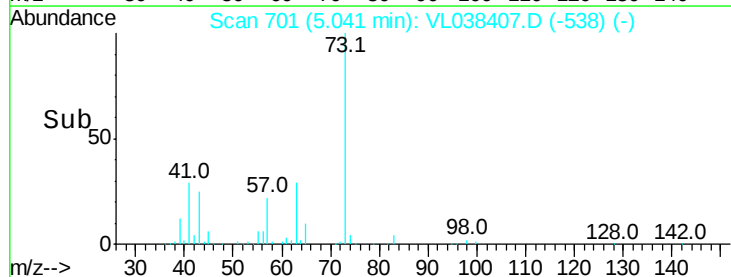
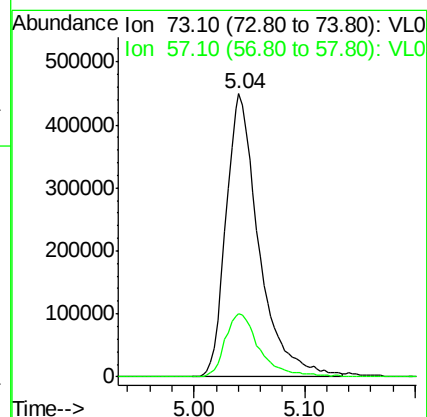
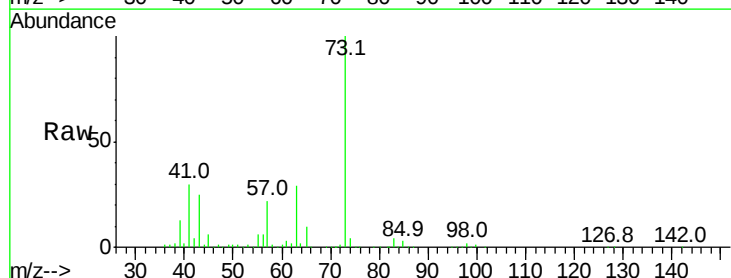
Ion	Ratio	Lower	Upper
76	100		
44	18.5	14.2	21.2
78	10.0	7.8	11.6

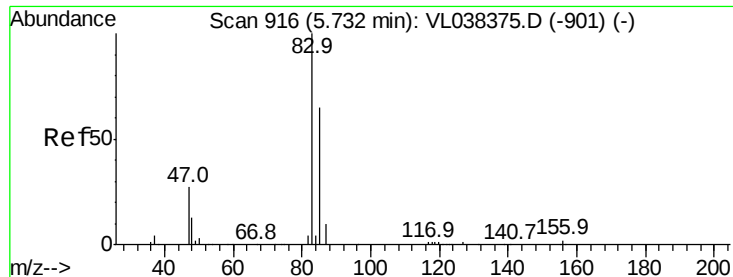


#28
Methyl tert-Butyl Ether
Concen: 9.39 ppbv
RT: 5.04 min Scan# 701
Delta R.T. 0.02 min
Lab File: VL038407.D
Acq: 23 Feb 2022 13:23

Tgt Ion: 73 Resp: 932027

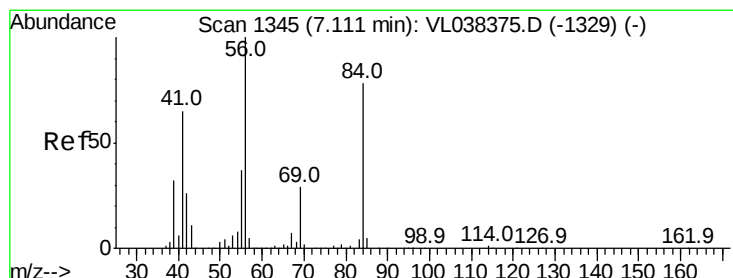
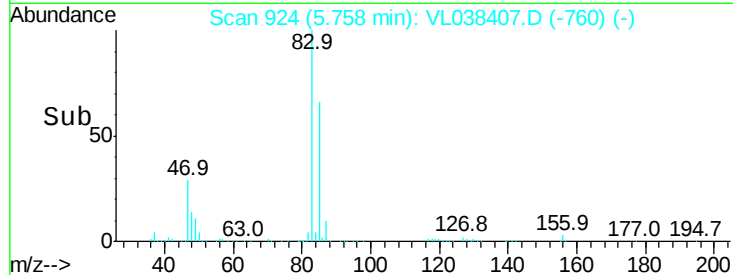
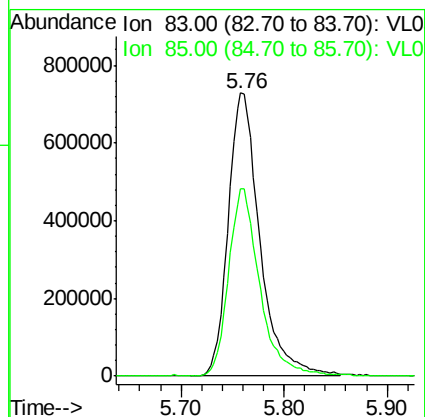
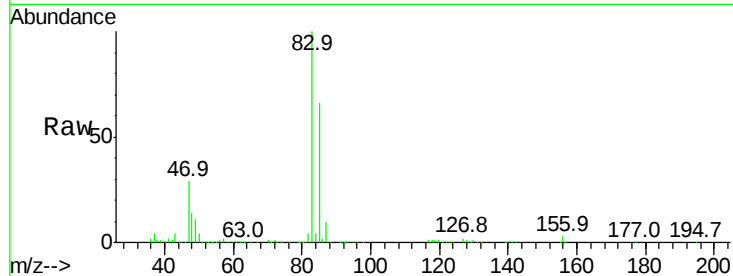
Ion	Ratio	Lower	Upper
73	100		
57	23.8	18.2	27.4





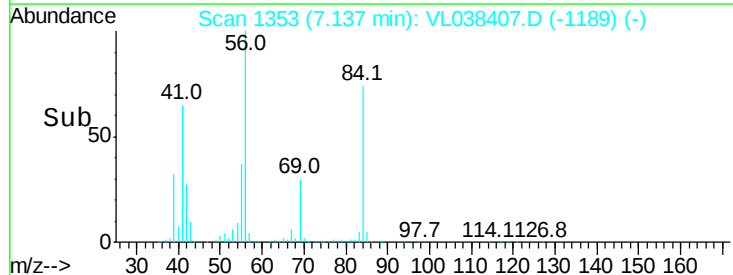
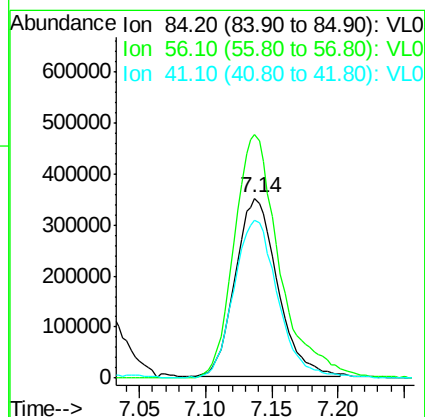
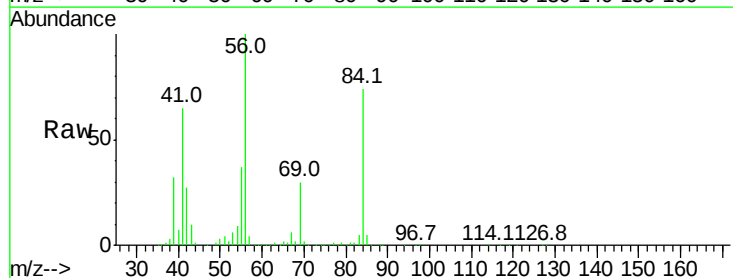
#29
Chloroform
Concen: 9.82 ppbv
RT: 5.76
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Feb 2022 13:23

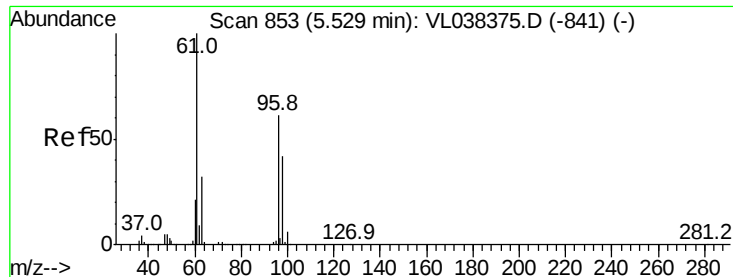
Tgt Ion: 83 Resp: 1562392
Ion Ratio Lower Upper
83 100
85 65.9 51.6 77.4



#30
Cyclohexane
Concen: 9.74 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.03 min
Lab File: VL038407.D
Acq: 23 Feb 2022 13:23

Tgt Ion: 84 Resp: 776322
Ion Ratio Lower Upper
84 100
56 147.2 116.2 174.4
41 92.7 74.3 111.5





#31

cis-1,2-Dichloroethene

Concen: 10.00 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Feb 2022 13:23 VL0223ABS01

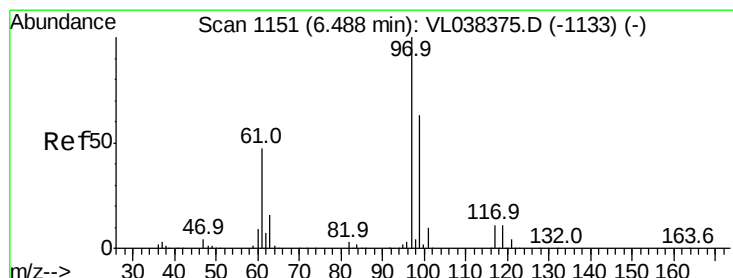
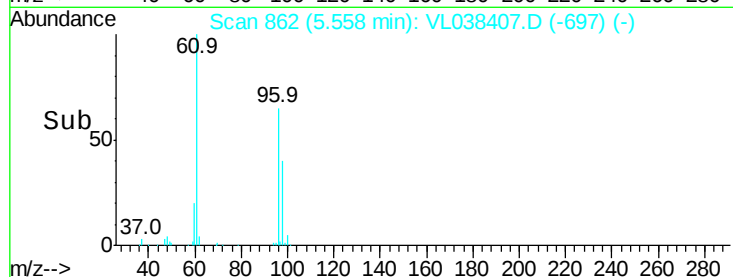
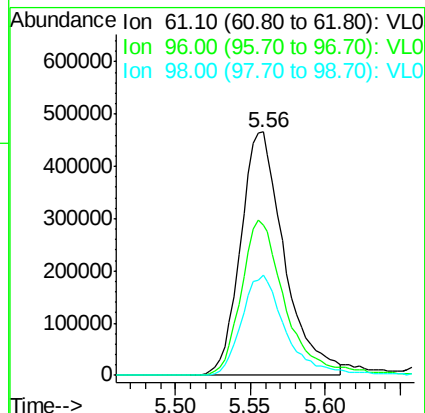
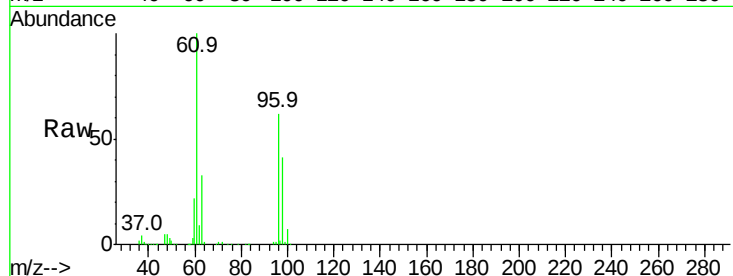
Tgt Ion: 61 Resp: 943768

Ion Ratio Lower Upper

61 100

96 61.7 48.6 73.0

98 41.4 33.2 49.8



#32

1,1,1-Trichloroethane

Concen: 9.73 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. 0.03 min

Lab File: VL038407.D

Acq: 23 Feb 2022 13:23

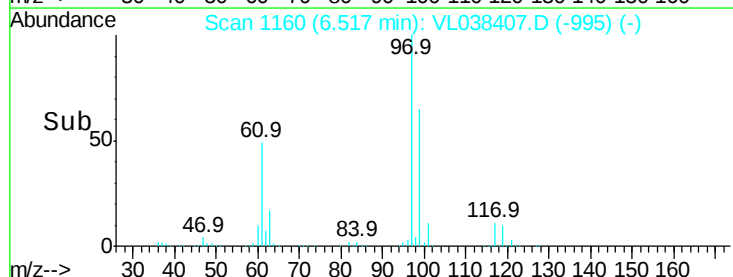
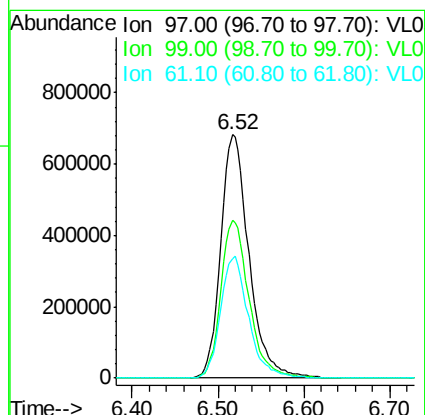
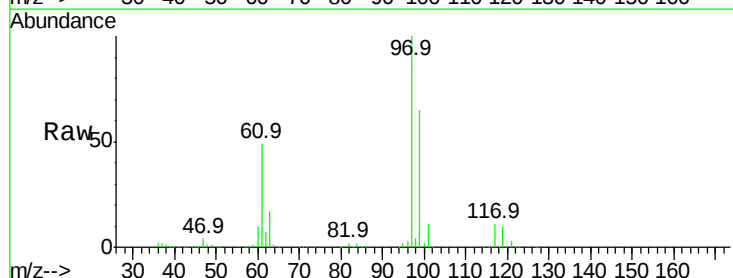
Tgt Ion: 97 Resp: 1556477

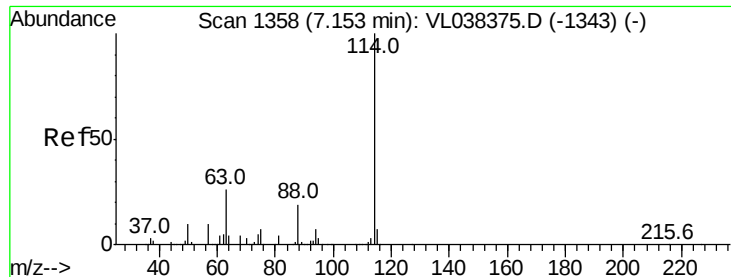
Ion Ratio Lower Upper

97 100

99 65.3 51.9 77.9

61 49.7 40.5 60.7

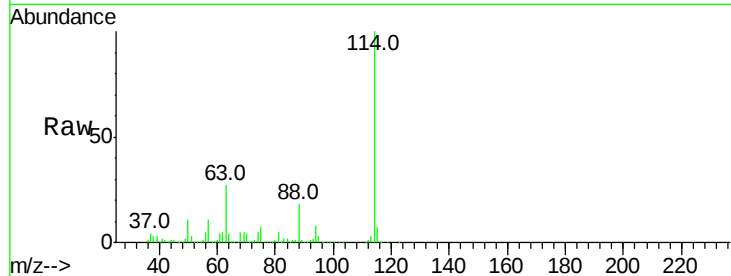




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0223ABS01
 Acq: 23 Feb 2022 13:23

Tgt Ion: 114 Resp: 2289885

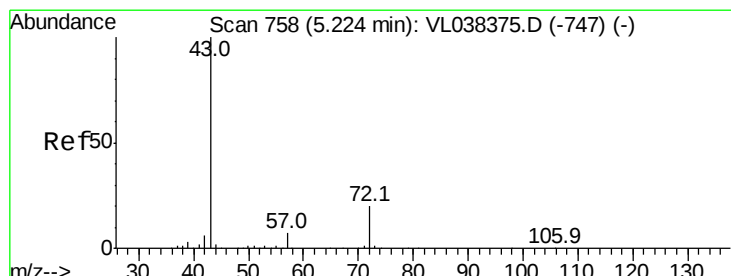
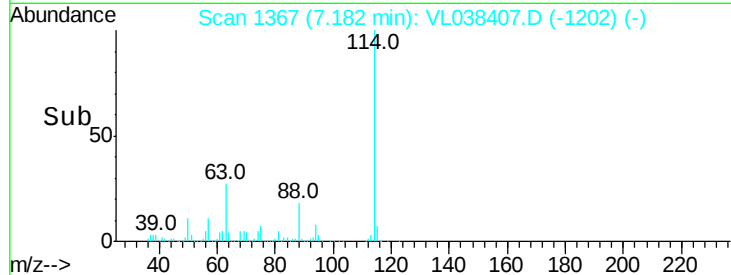
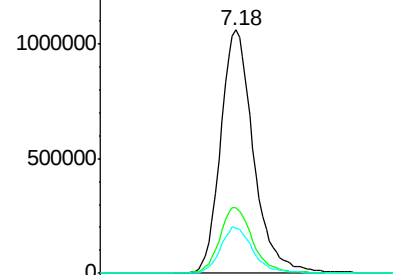
Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.2	33.2
88	18.8	15.2	22.8



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

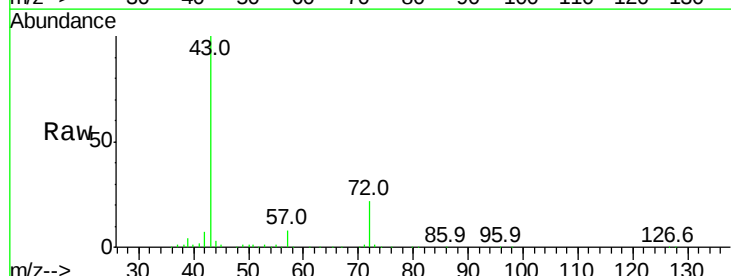
Ion 88.10 (87.80 to 88.80): VL0



#34
 2-Butanone
 Concen: 12.98 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.03 min
 Lab File: VL038407.D
 Acq: 23 Feb 2022 13:23

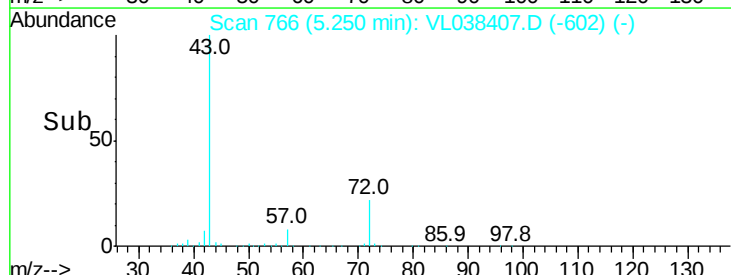
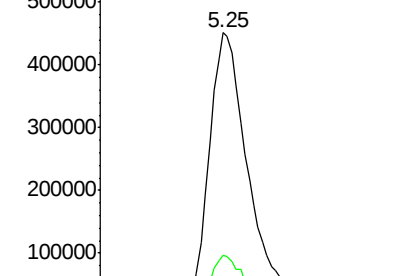
Tgt Ion: 43 Resp: 934565

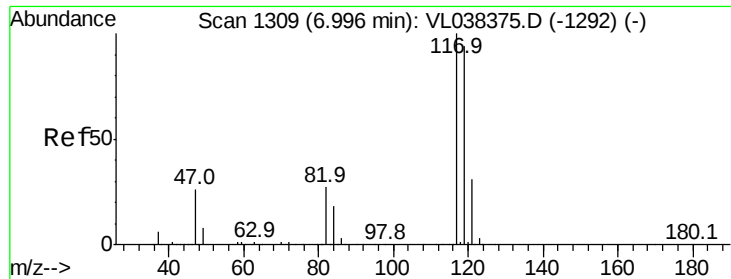
Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.4	26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.97 ppbv

RT: 7.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Feb 2022 13:23

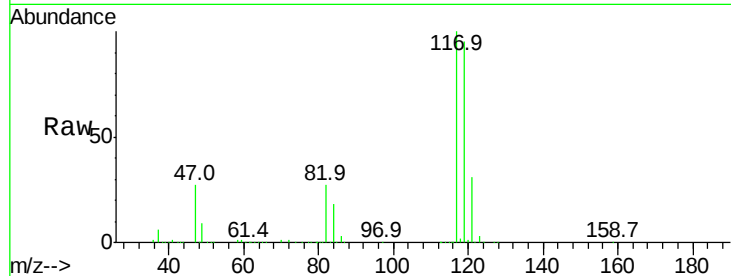
Tgt Ion: 117 Resp: 1606163

Ion Ratio Lower Upper

117 100

119 95.2 74.9 112.3

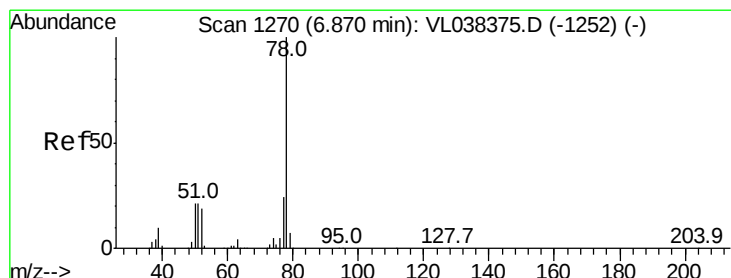
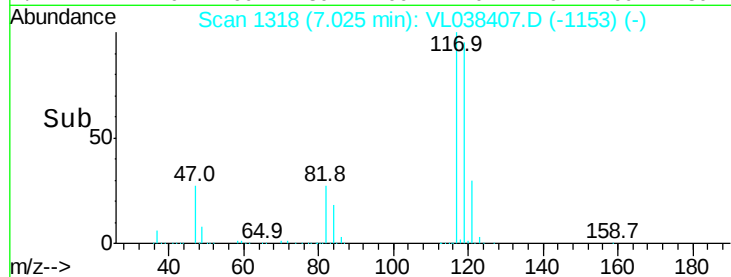
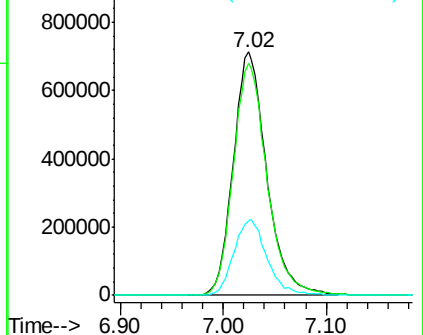
121 30.5 24.8 37.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.76 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.03 min

Lab File: VL038407.D

Acq: 23 Feb 2022 13:23

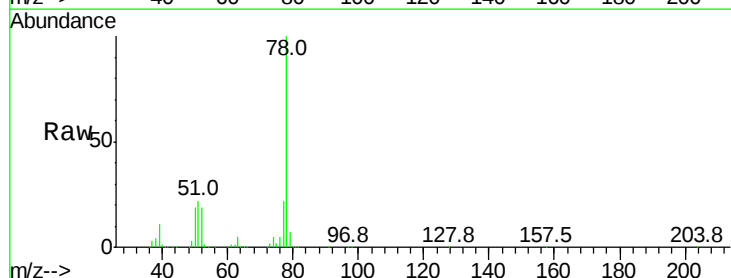
Tgt Ion: 78 Resp: 1967952

Ion Ratio Lower Upper

78 100

77 22.5 19.0 28.6

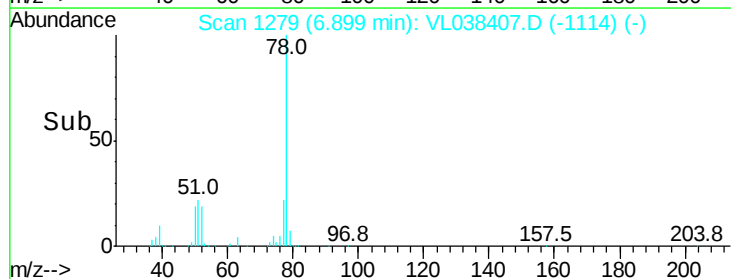
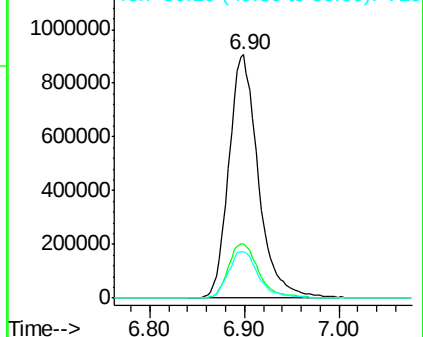
50 19.1 16.6 24.8

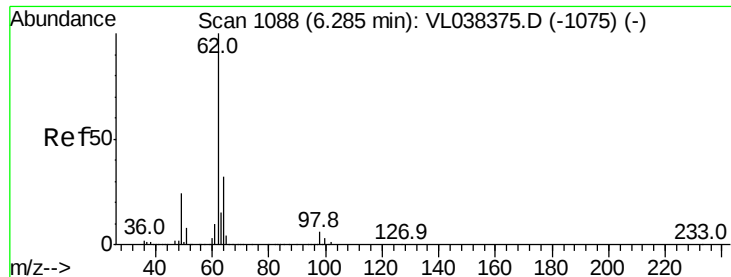


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

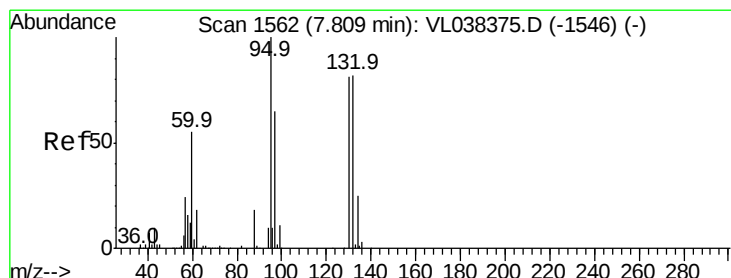
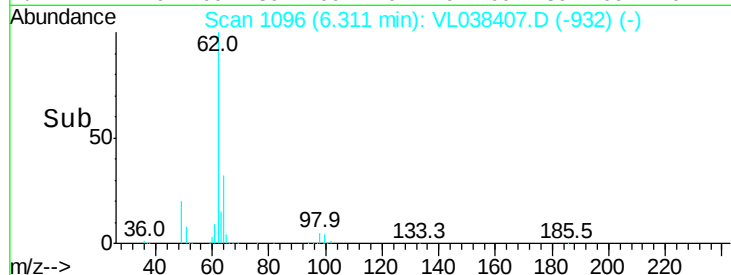
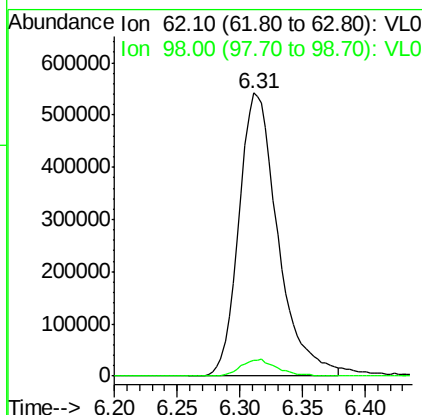
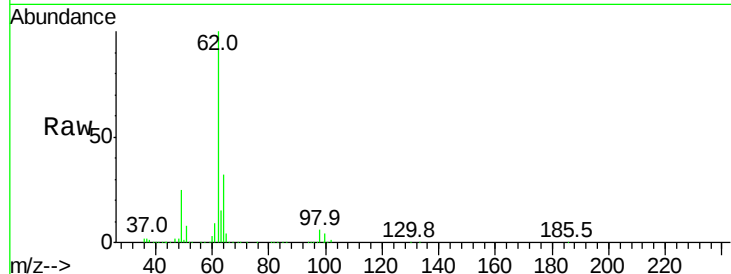
Ion 50.10 (49.80 to 50.80): VL0





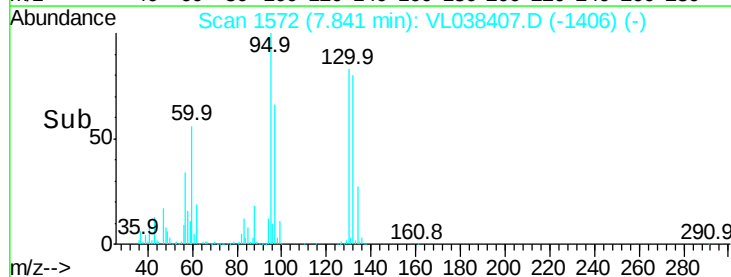
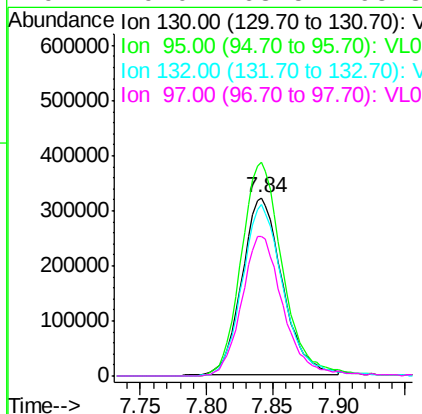
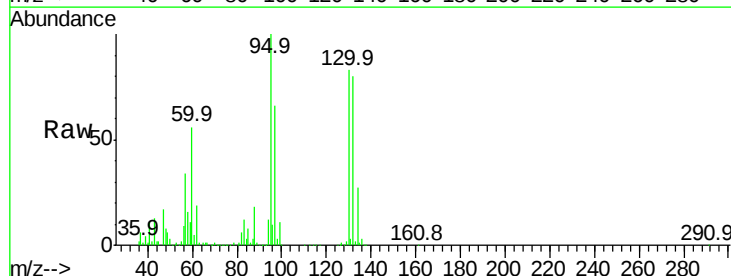
#37
 1,2-Dichloroethane
 Concen: 10.06 ppbv
 RT: 6.31
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0223ABS01
 Acq: 23 Feb 2022 13:23

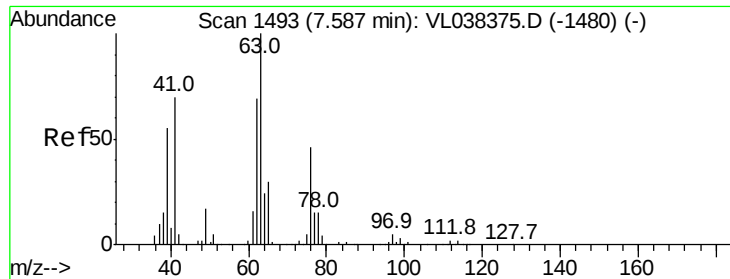
Tgt Ion: 62 Resp: 1172361
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.6 7.0



#38
 Trichloroethene
 Concen: 9.33 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T.: 0.03 min
 Lab File: VL038407.D
 Acq: 23 Feb 2022 13:23

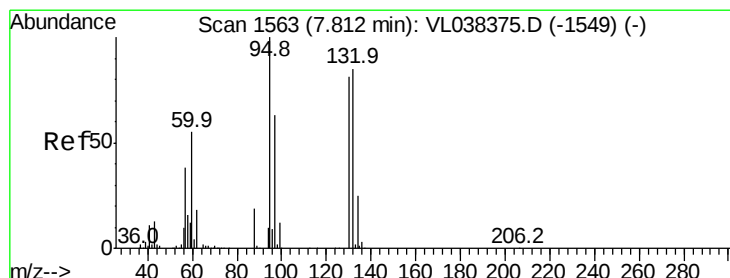
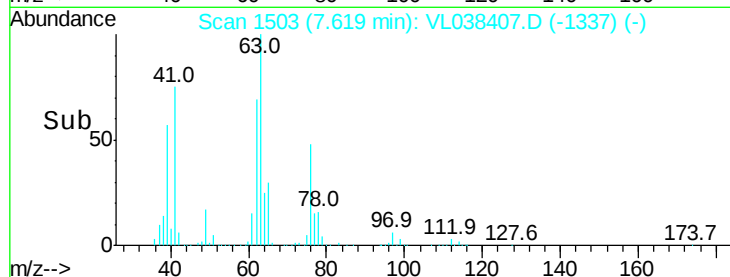
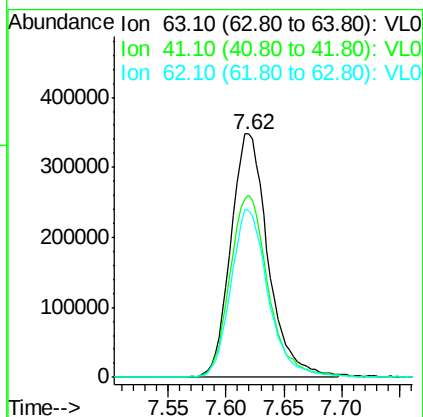
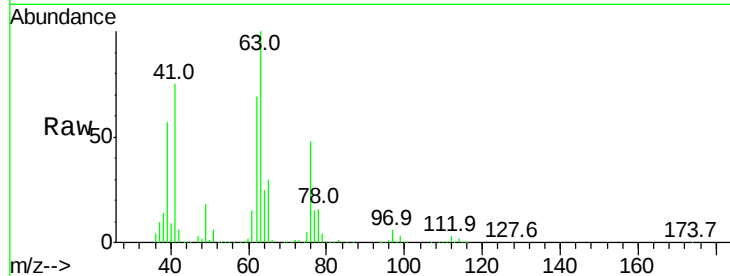
Tgt Ion: 130 Resp: 685426
 Ion Ratio Lower Upper
 130 100
 95 120.5 98.1 147.1
 132 97.0 80.3 120.5
 97 79.0 63.5 95.3





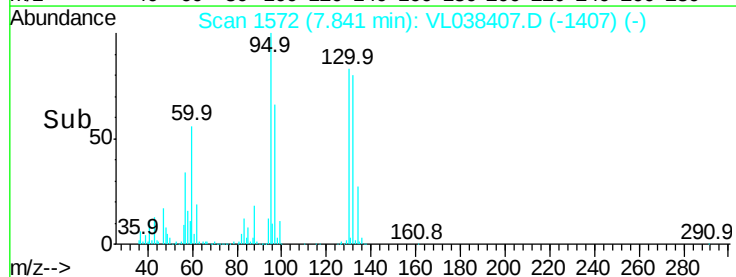
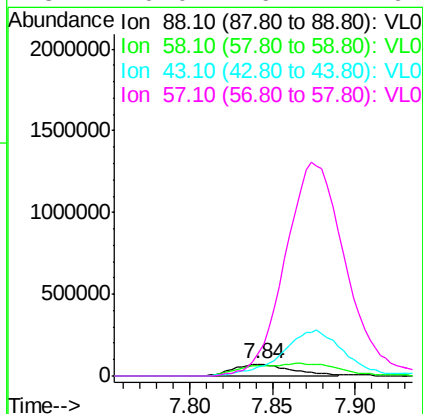
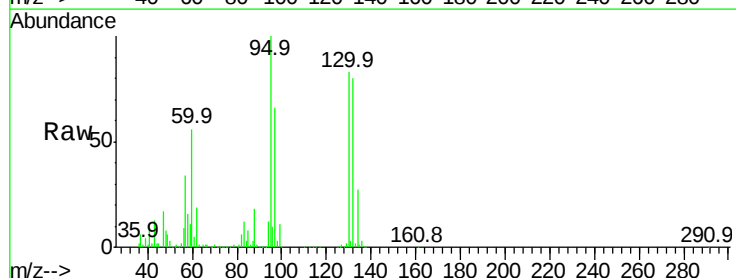
#39
 1,2-Dichloropropane
 Concen: 9.61 ppbv
 RT: 7.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0223ABS01
 Acq: 23 Feb 2022 13:23

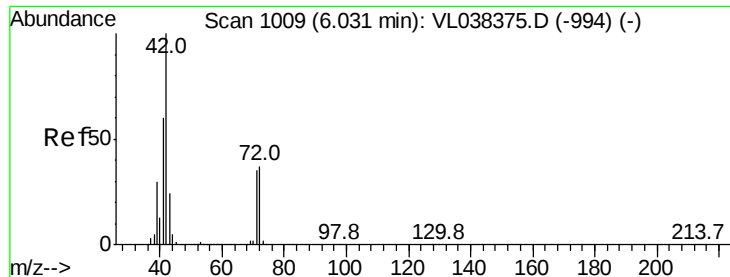
Tgt Ion: 63 Resp: 771785
 Ion Ratio Lower Upper
 63 100
 41 75.0 56.1 84.1
 62 68.5 55.5 83.3



#40
 1,4-Dioxane
 Concen: 9.16 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.03 min
 Lab File: VL038407.D
 Acq: 23 Feb 2022 13:23

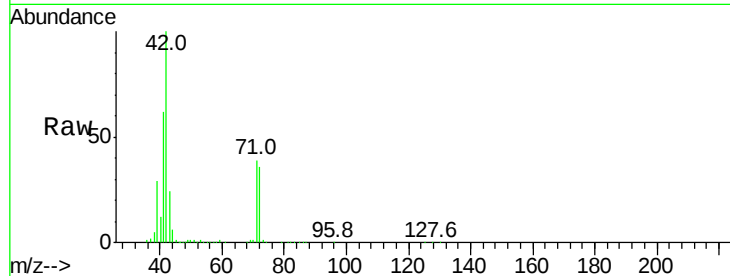
Tgt Ion: 88 Resp: 174529
 Ion Ratio Lower Upper
 88 100
 58 0.0 133.2 199.8#
 43 0.0 330.6 496.0#
 57 0.0 1462.7 2194.1#



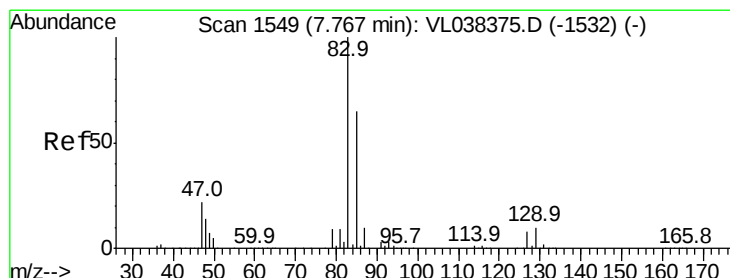
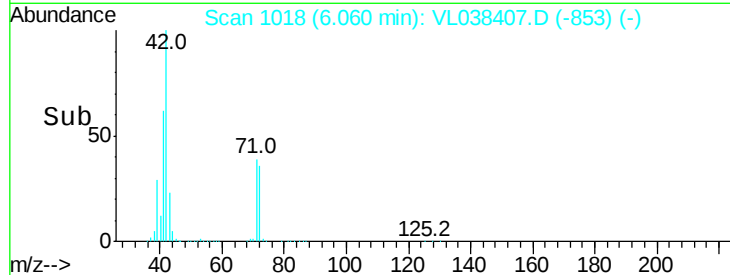
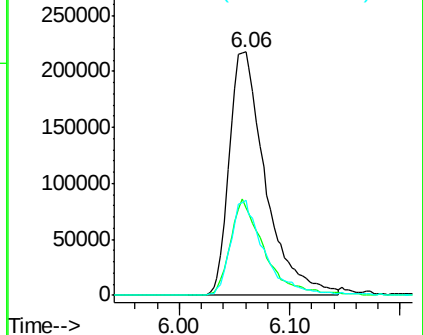


#41
Tetrahydrofuran
Concen: 10.21 ppbv
RT: 6.06
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0223ABS01
Acq: 23 Feb 2022 13:23

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.5	29.9	44.9
71	37.2	28.6	42.8

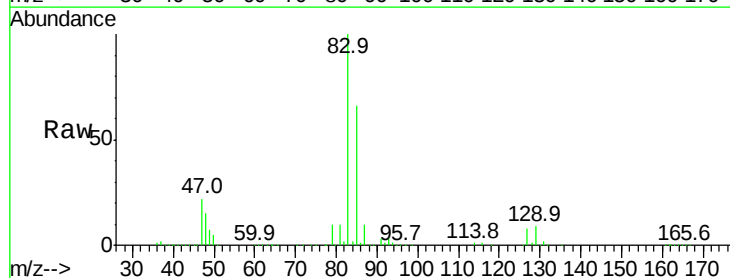


Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0

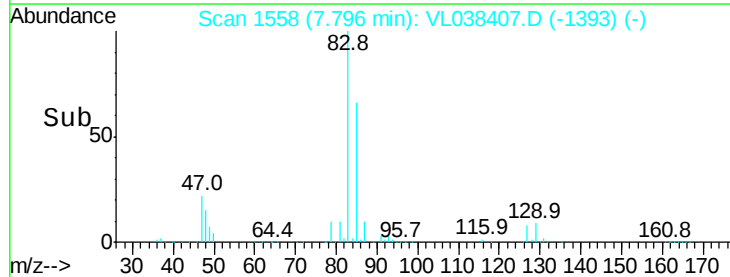
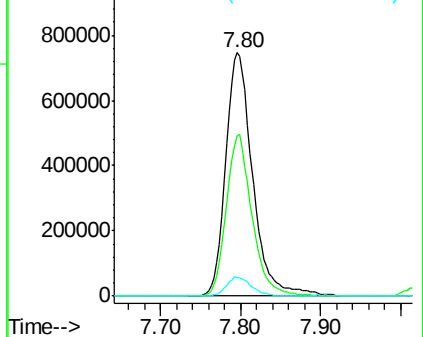


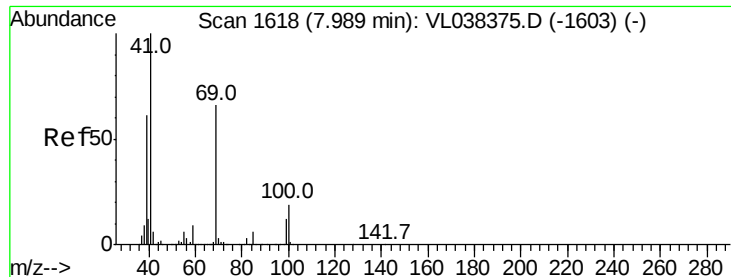
#42
Bromodichloromethane
Concen: 10.23 ppbv
RT: 7.80 min Scan# 1558
Delta R.T.: 0.03 min
Lab File: VL038407.D
Acq: 23 Feb 2022 13:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.2	78.4
127	7.7	6.2	9.4



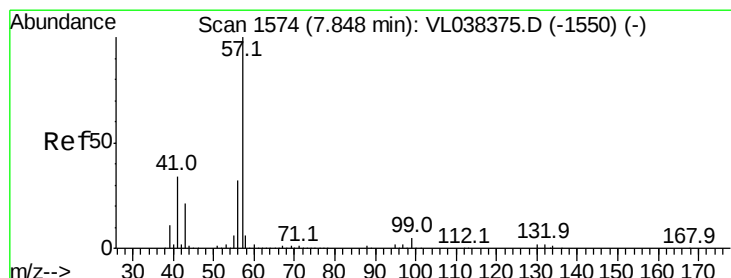
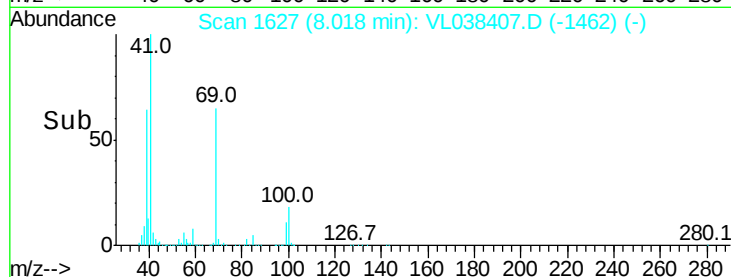
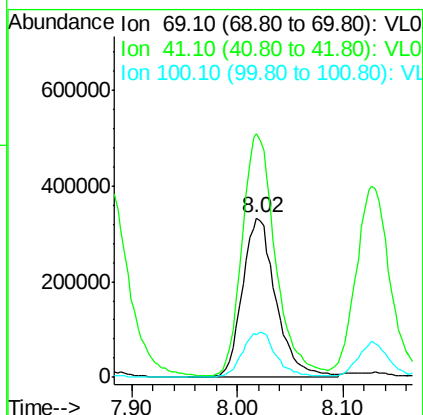
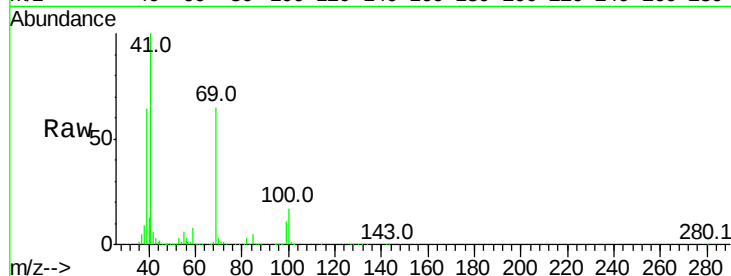
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





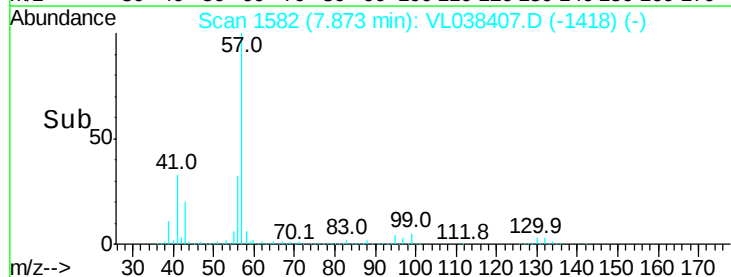
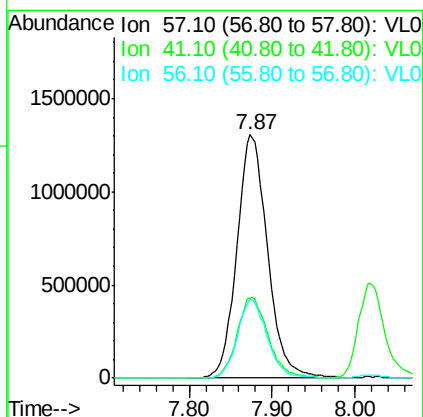
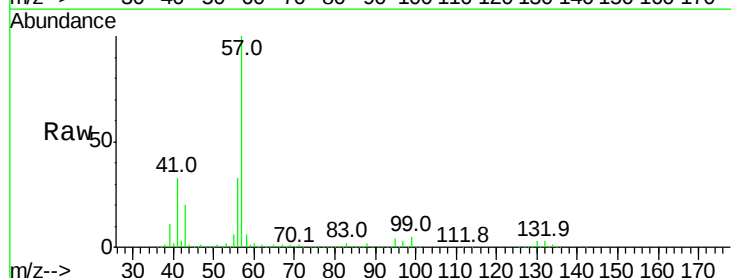
#43
Methyl Methacrylate
Concen: 10.49 ppbv
RT: 8.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0223ABS01
Acq: 23 Feb 2022 13:23

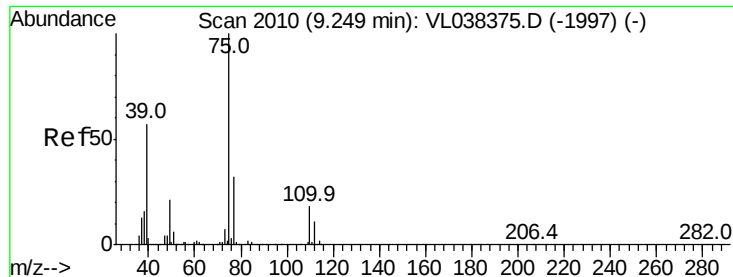
Tgt Ion: 69 Resp: 734895
Ion Ratio Lower Upper
69 100
41 152.5 122.9 184.3
100 28.8 23.6 35.4



#44
2,2,4-Trimethylpentane
Concen: 9.70 ppbv
RT: 7.87 min Scan# 1582
Delta R.T.: 0.03 min
Lab File: VL038407.D
Acq: 23 Feb 2022 13:23

Tgt Ion: 57 Resp: 3361736
Ion Ratio Lower Upper
57 100
41 33.5 26.6 39.8
56 31.5 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 10.64 ppbv

RT: 9.28 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VL0223ABS01

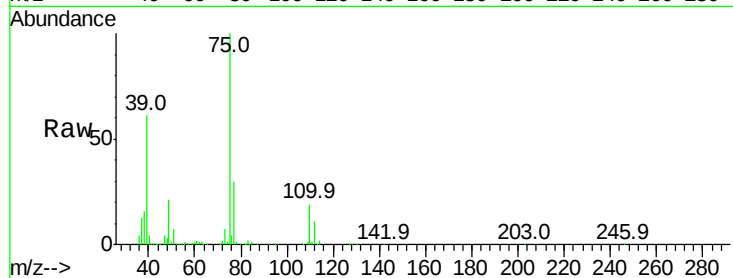
Acq: 23 Feb 2022 13:23

Tgt Ion: 75 Resp: 595692

Ion Ratio Lower Upper

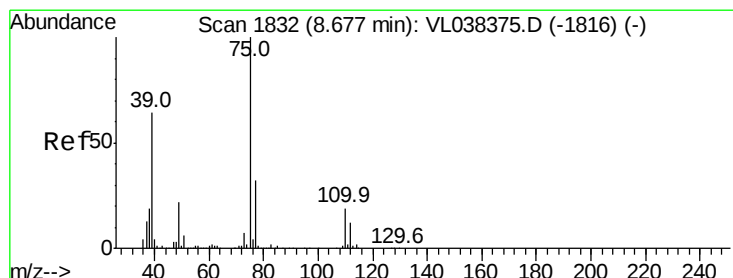
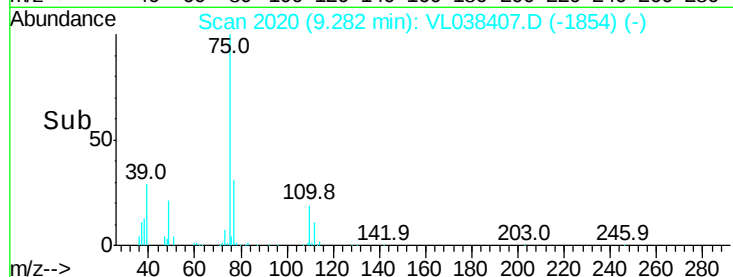
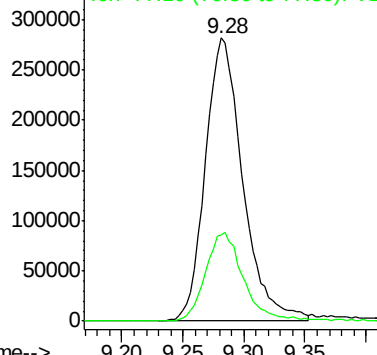
75 100

77 30.4 25.4 38.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 10.25 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. 0.03 min

Lab File: VL038407.D

Acq: 23 Feb 2022 13:23

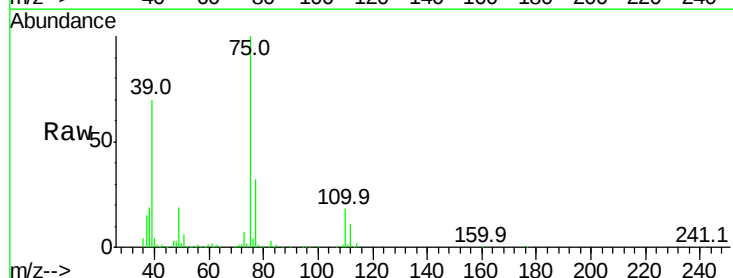
Tgt Ion: 75 Resp: 752515

Ion Ratio Lower Upper

75 100

39 69.7 51.4 77.2

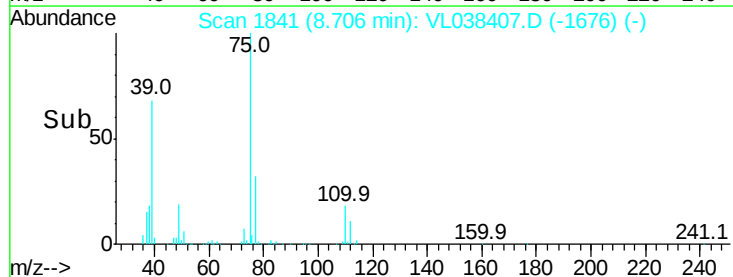
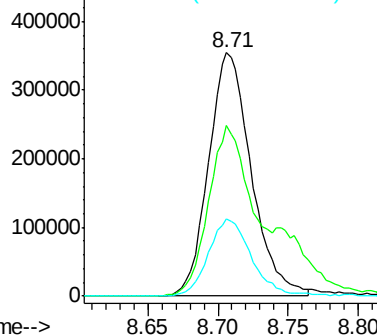
77 31.7 25.4 38.2

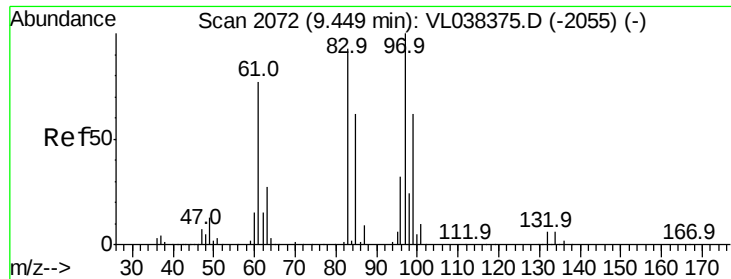


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

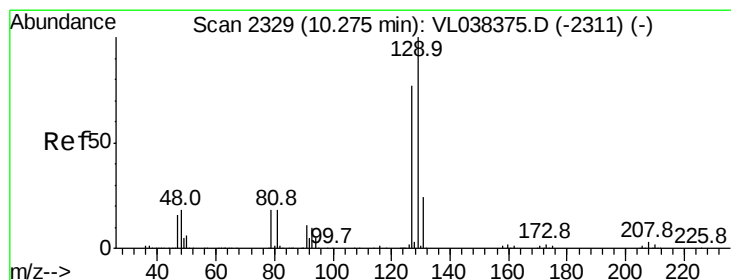
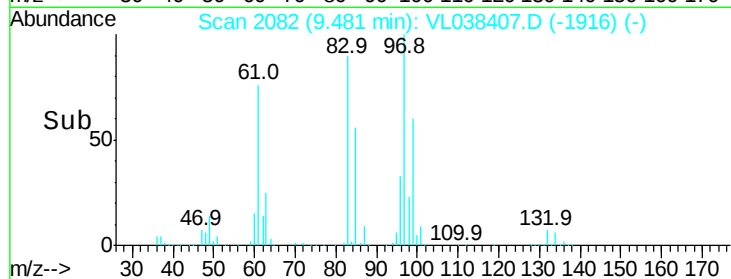
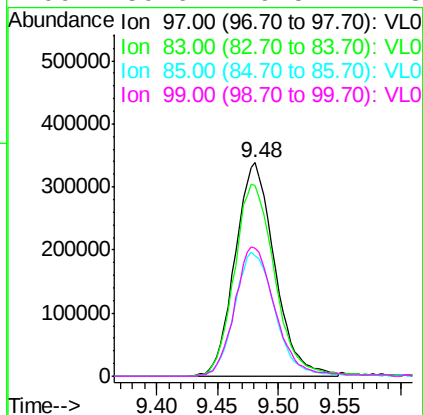
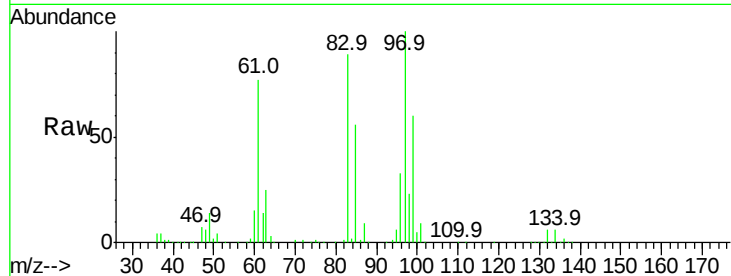
Ion 77.00 (76.70 to 77.70): VL0





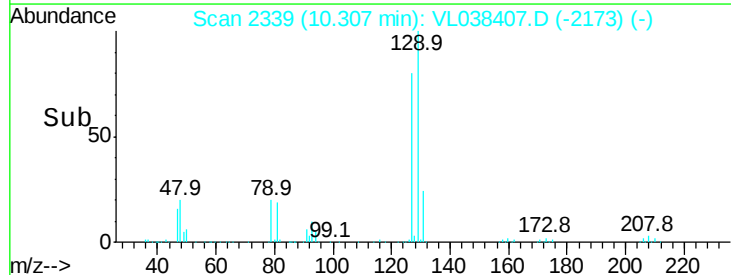
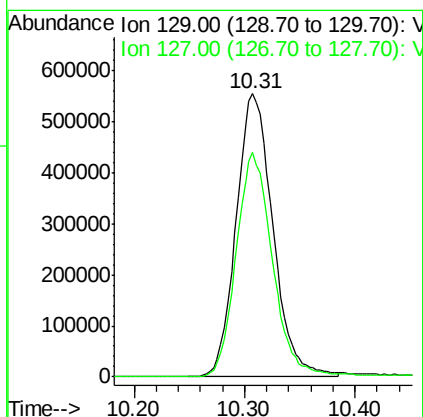
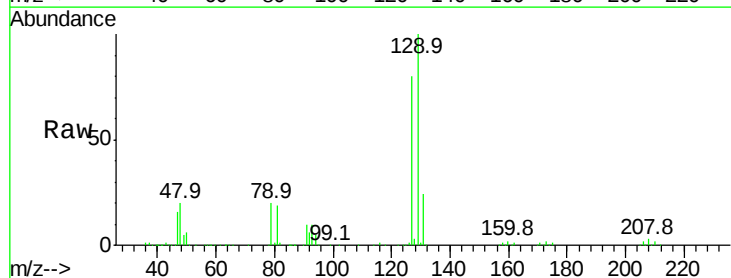
#47
 1,1,2-Trichloroethane
 Concen: 9.53 ppbv
 RT: 9.48
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0223ABS01
 Acq: 23 Feb 2022 13:23

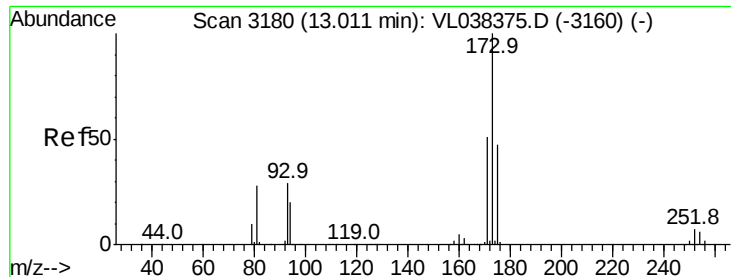
Tgt Ion:	97	Resp:	761442
Ion	Ratio	Lower	Upper
97	100		
83	89.3	74.2	111.4
85	56.2	49.8	74.8
99	59.6	49.5	74.3



#48
 Dibromochloromethane
 Concen: 9.81 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. 0.03 min
 Lab File: VL038407.D
 Acq: 23 Feb 2022 13:23

Tgt Ion:	129	Resp:	1280952
Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.4	118.1





#49

Bromoform

Concen: 9.03 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Feb 2022 13:23

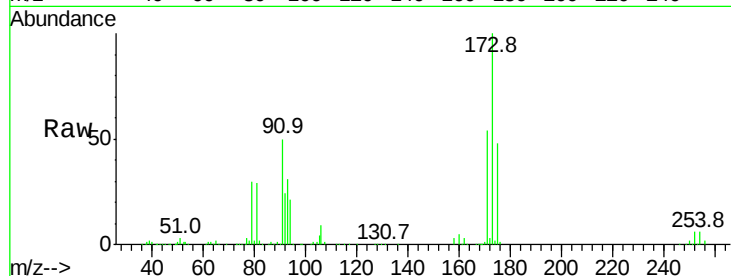
Tgt Ion: 173 Resp: 870254

Ion Ratio Lower Upper

173 100

175 50.4 40.2 60.2

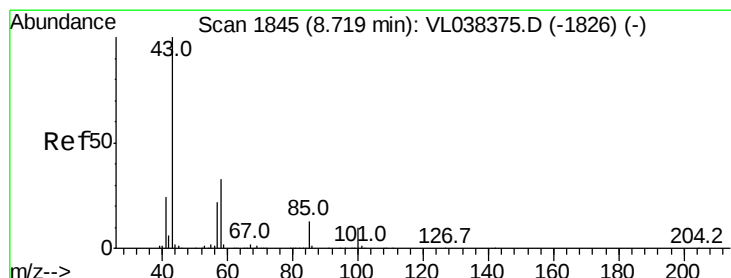
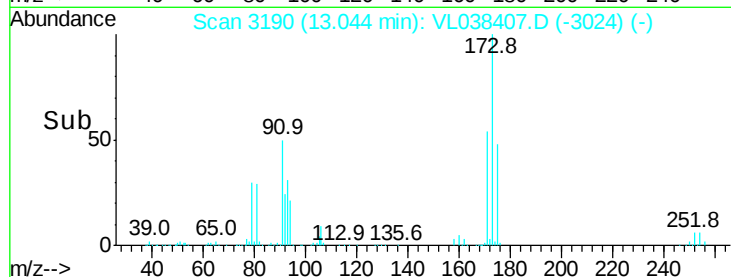
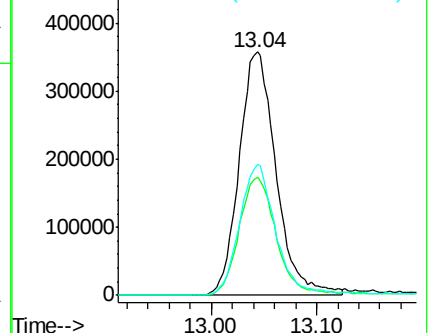
171 54.7 42.7 64.1



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: 10.34 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.03 min

Lab File: VL038407.D

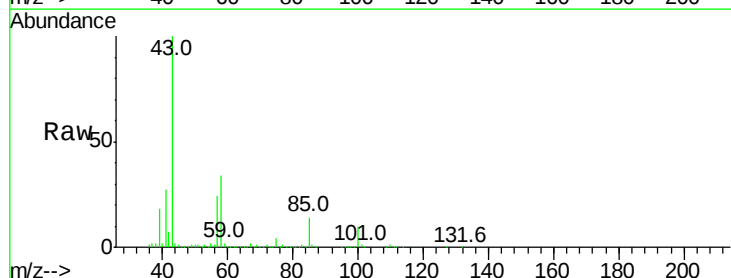
Acq: 23 Feb 2022 13:23

Tgt Ion: 43 Resp: 1316867

Ion Ratio Lower Upper

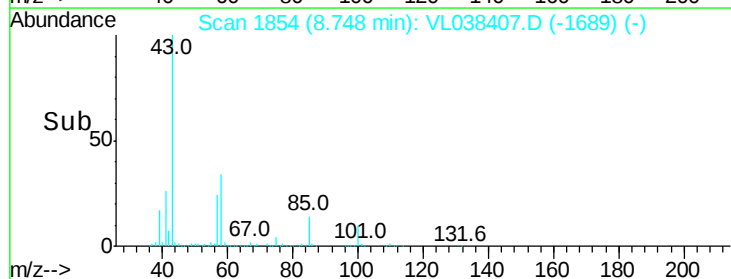
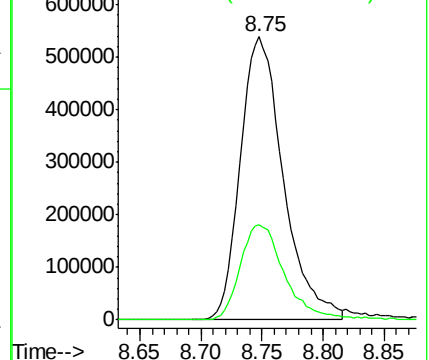
43 100

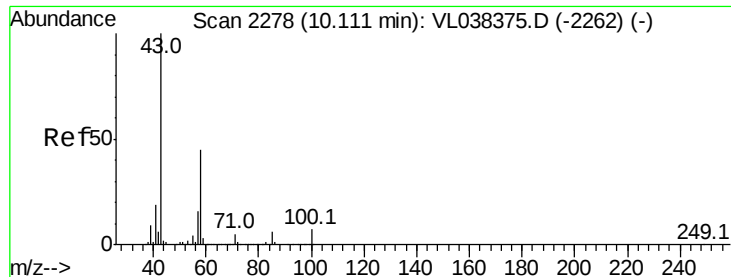
58 35.0 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.08 ppbv

RT: 10.14

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Feb 2022 13:23

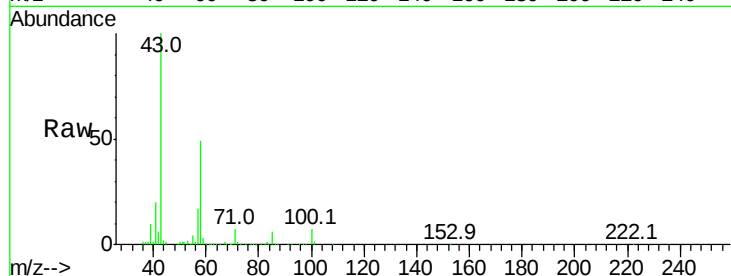
Tgt Ion: 43 Resp: 574392

Ion Ratio Lower Upper

43 100

58 47.2 37.4 56.0

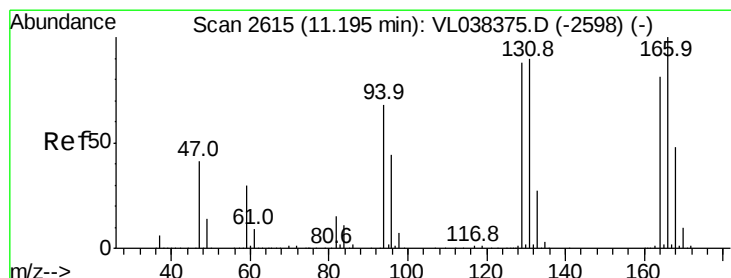
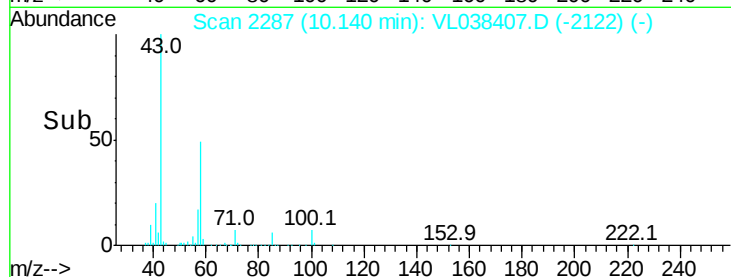
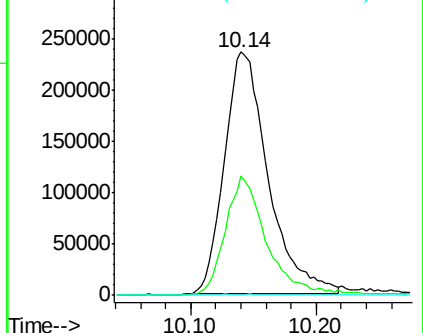
98 0.5 0.1 0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.92 ppbv

RT: 11.23 min Scan# 2625

Delta R.T. 0.03 min

Lab File: VL038407.D

Acq: 23 Feb 2022 13:23

Tgt Ion: 164 Resp: 596848

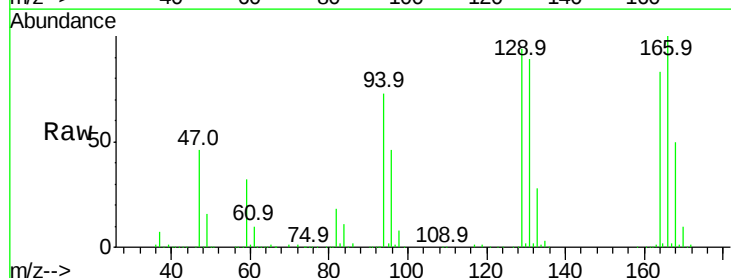
Ion Ratio Lower Upper

164 100

166 120.5 98.6 148.0

129 113.1 86.9 130.3

131 106.8 88.6 133.0

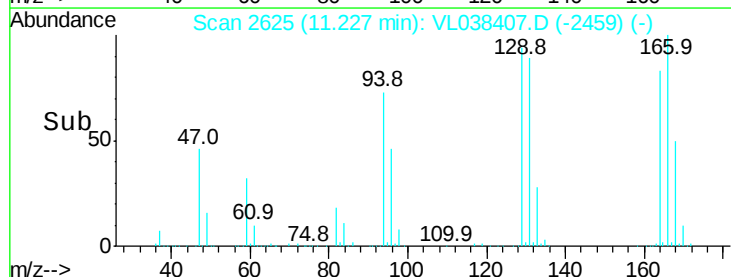
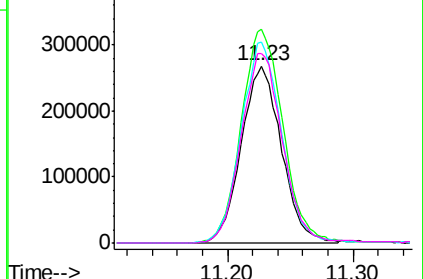


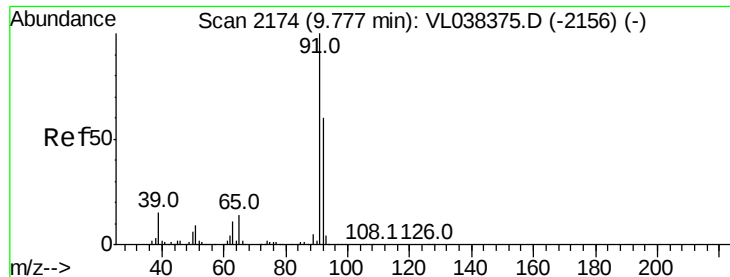
Abundance Ion 163.90 (163.60 to 164.60): V

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





#53

Toluene

Concen: 9.81 ppbv

RT: 9.81

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

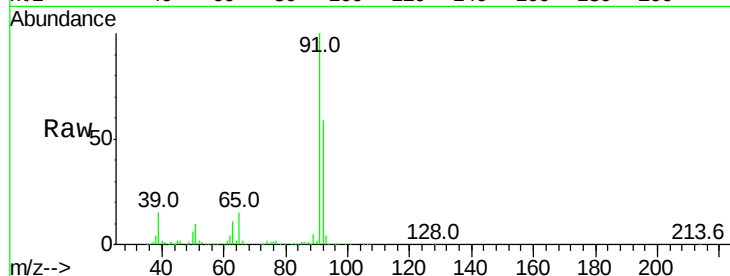
Acq: 23 Feb 2022 13:23

Tgt Ion: 91 Resp: 2147479

Ion Ratio Lower Upper

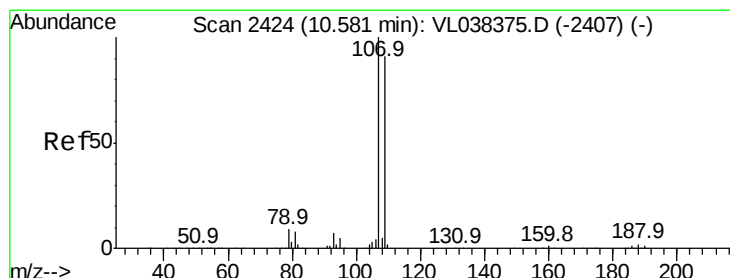
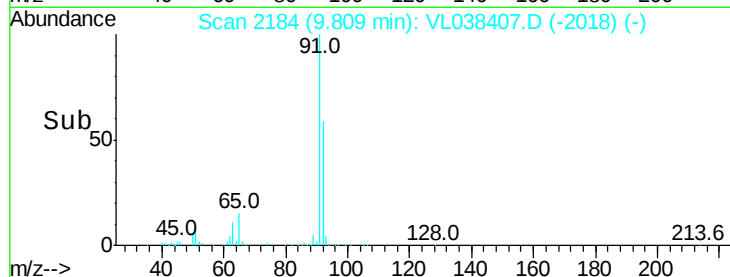
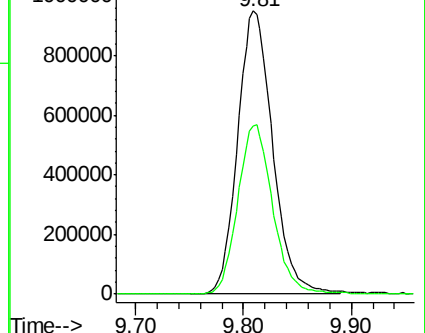
91 100

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: 9.73 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.04 min

Lab File: VL038407.D

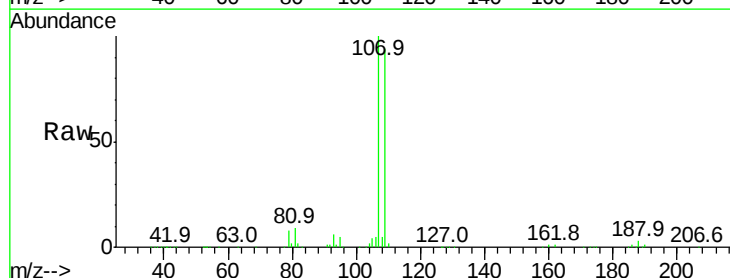
Acq: 23 Feb 2022 13:23

Tgt Ion: 107 Resp: 1094405

Ion Ratio Lower Upper

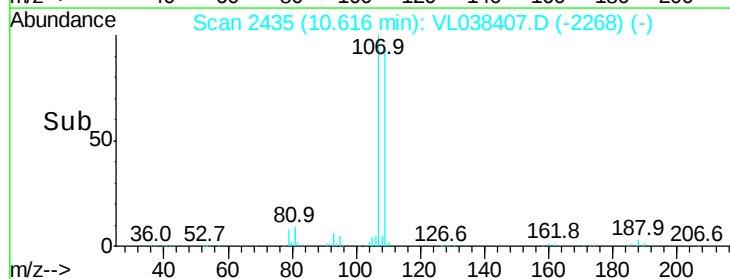
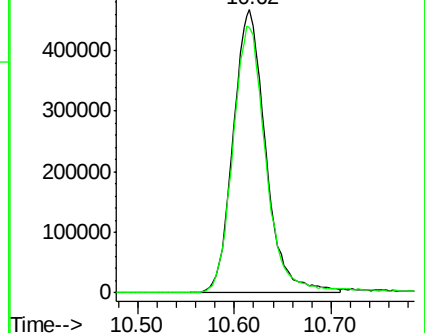
107 100

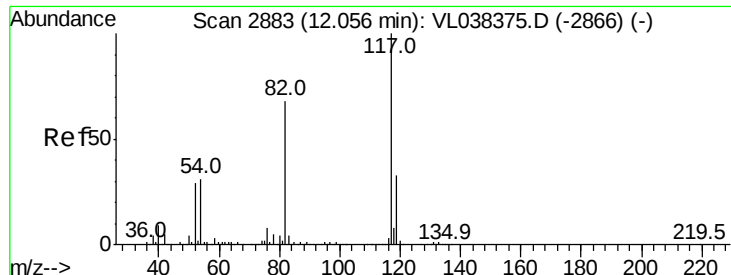
109 94.0 73.0 109.6



Abundance Ion 107.00 (106.70 to 107.70): V

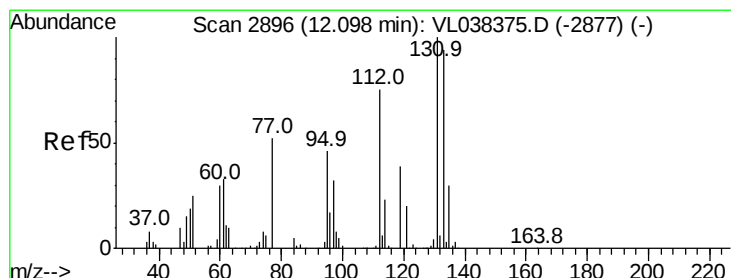
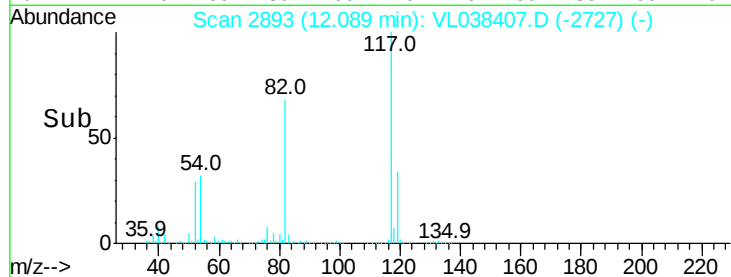
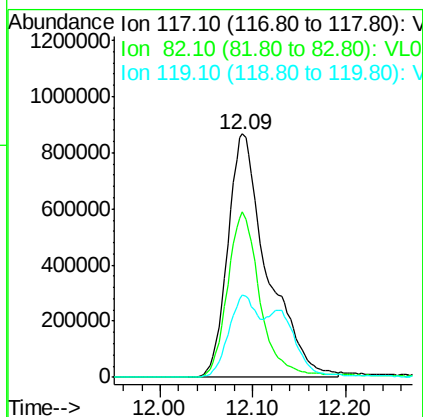
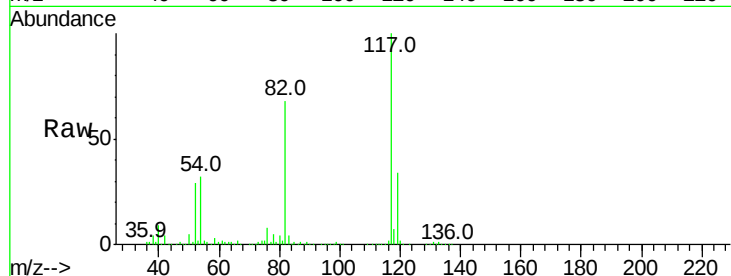
Ion 109.00 (108.70 to 109.70): V





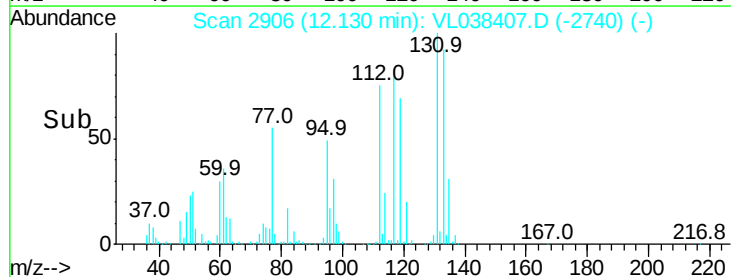
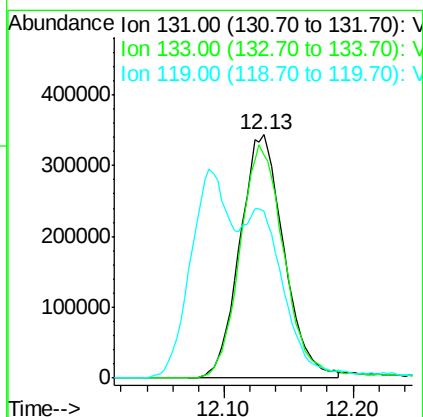
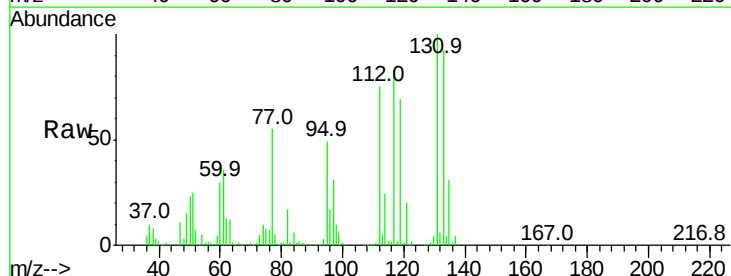
#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0223ABS01
 Acq: 23 Feb 2022 13:23

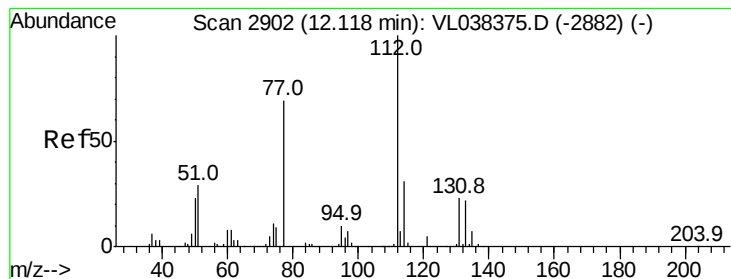
Tgt Ion:117 Resp: 2566779
 Ion Ratio Lower Upper
 117 100
 82 57.7 54.9 82.3
 119 47.1 46.1 69.1



#56
 1,1,1,2-Tetrachloroethane
 Concen: 7.63 ppbv
 RT: 12.13 min Scan# 2906
 Delta R.T.: 0.03 min
 Lab File: VL038407.D
 Acq: 23 Feb 2022 13:23

Tgt Ion:131 Resp: 815908
 Ion Ratio Lower Upper
 131 100
 133 98.7 77.3 115.9
 119 149.4 48.6 73.0#





#57

Chlorobenzene

Concen: 7.25 ppbv

RT: 12.15

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Feb 2022 13:23

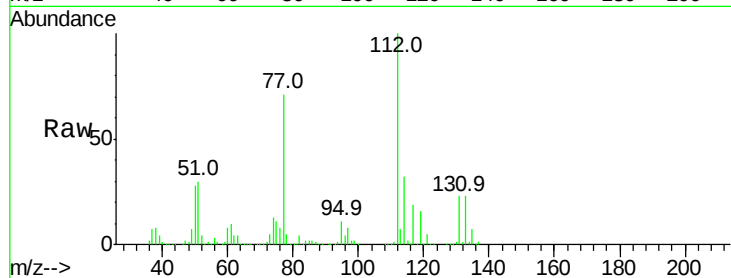
Tgt Ion: 112 Resp: 1435607

Ion Ratio Lower Upper

112 100

77 69.9 55.2 82.8

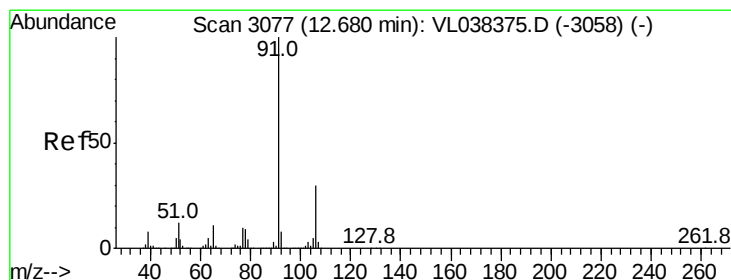
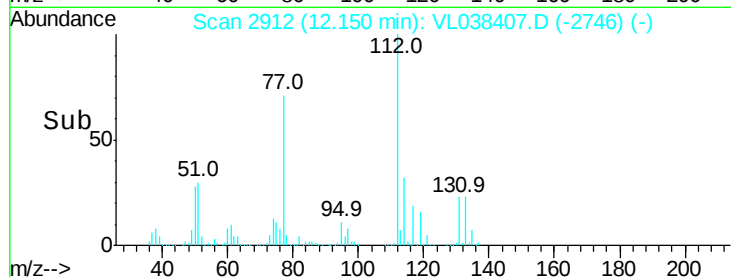
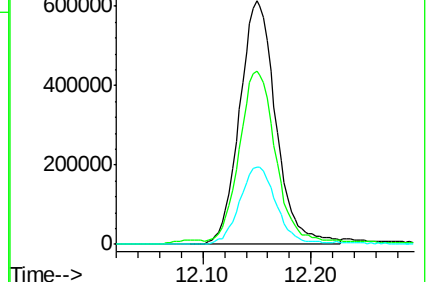
114 31.7 27.9 34.1



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: 7.79 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. 0.03 min

Lab File: VL038407.D

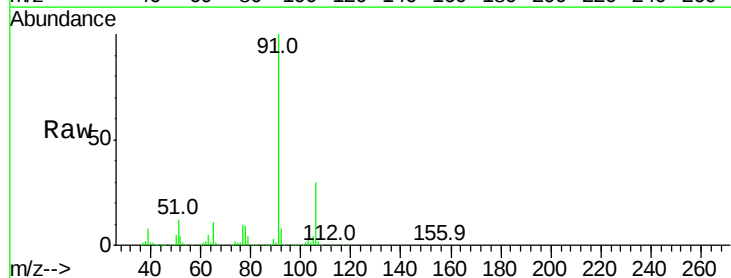
Acq: 23 Feb 2022 13:23

Tgt Ion: 91 Resp: 2734093

Ion Ratio Lower Upper

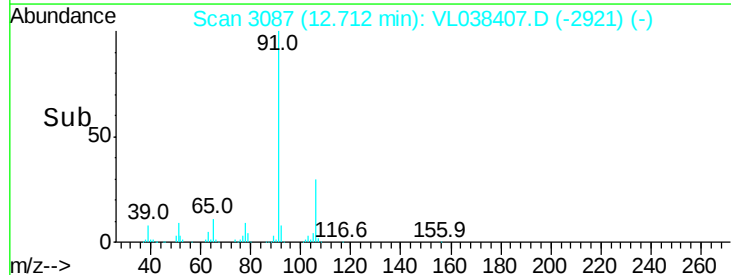
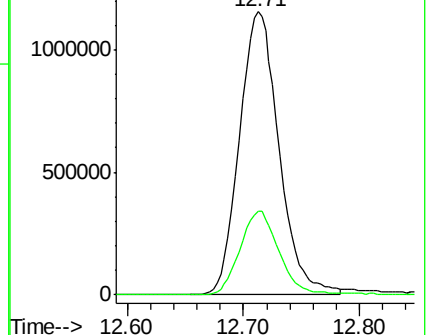
91 100

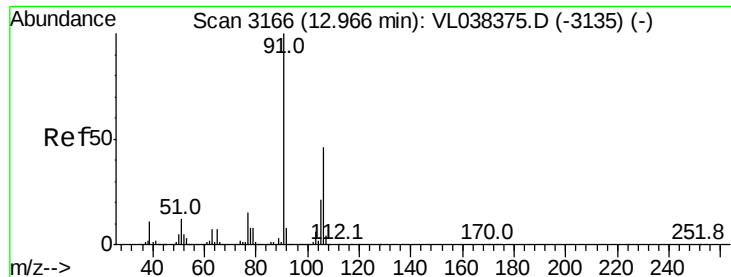
106 29.6 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

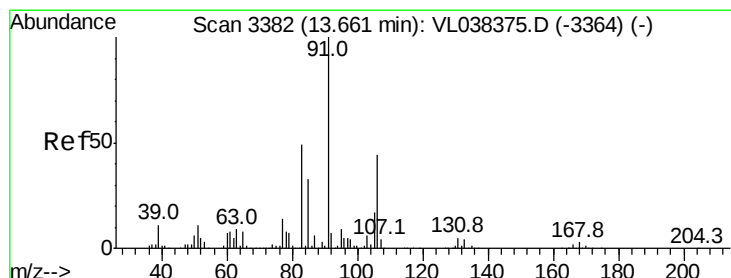
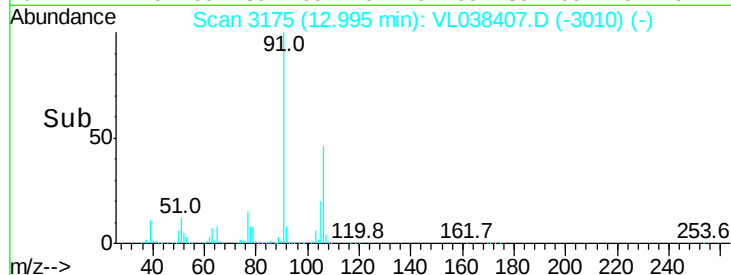
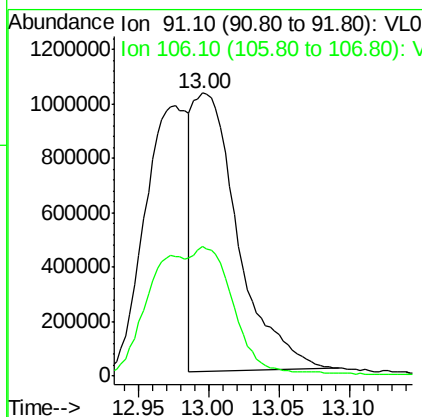
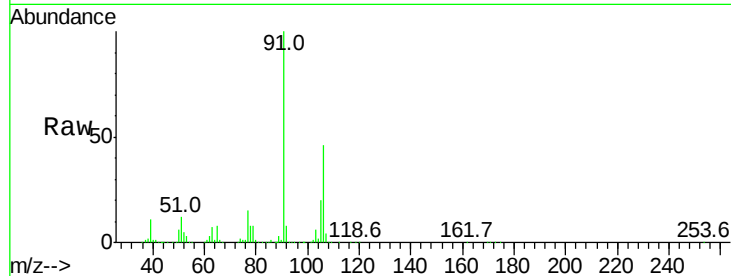
Ion 106.10 (105.80 to 106.80): V





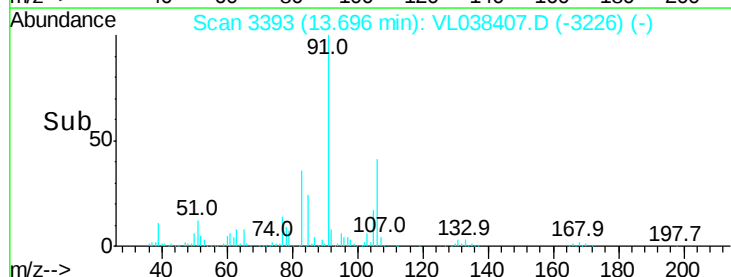
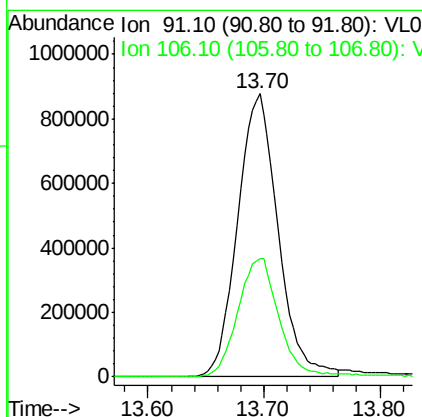
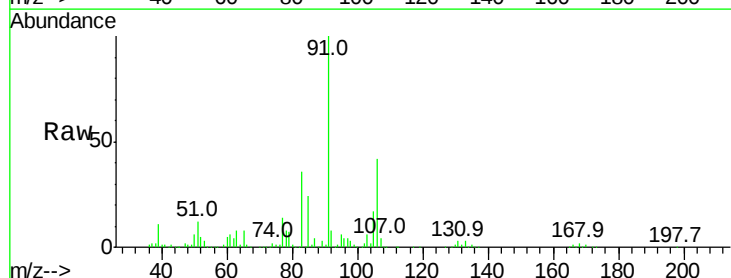
#59
m/p-Xylene
Concen: 7.58 ppbv
RT: 13.00 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0223ABS01
Acq: 23 Feb 2022 13:23

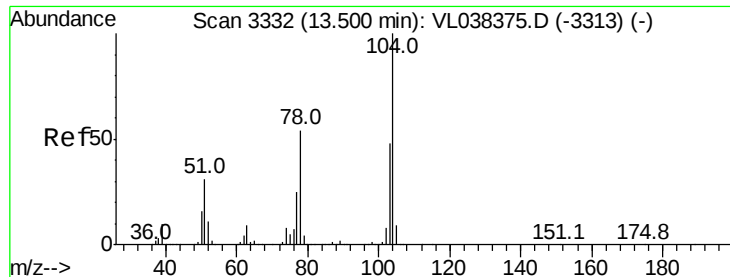
Tgt Ion: 91 Resp: 2283862
Ion Ratio Lower Upper
91 100
106 86.1 34.4 51.6#



#60
o-Xylene
Concen: 7.44 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.04 min
Lab File: VL038407.D
Acq: 23 Feb 2022 13:23

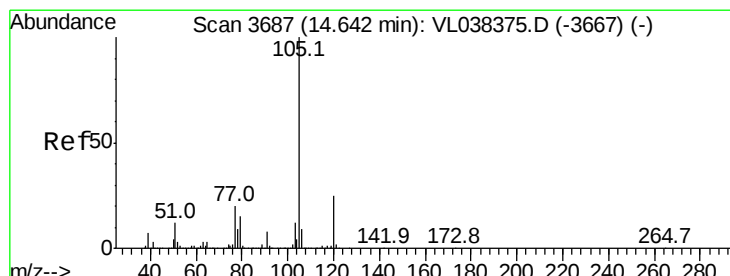
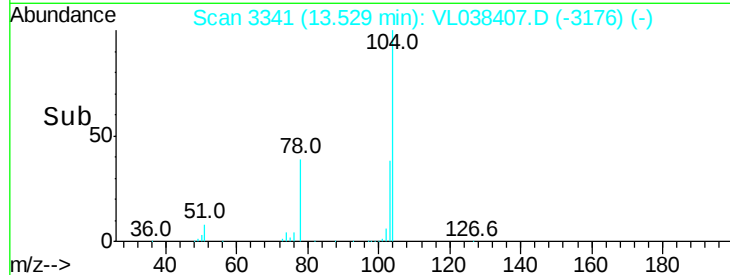
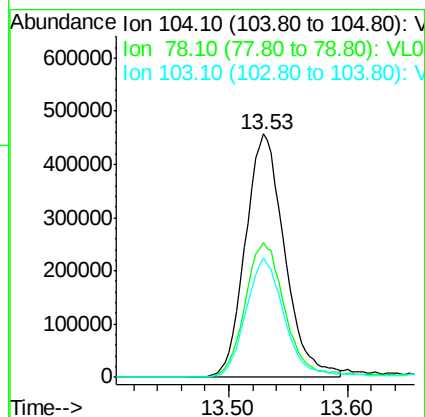
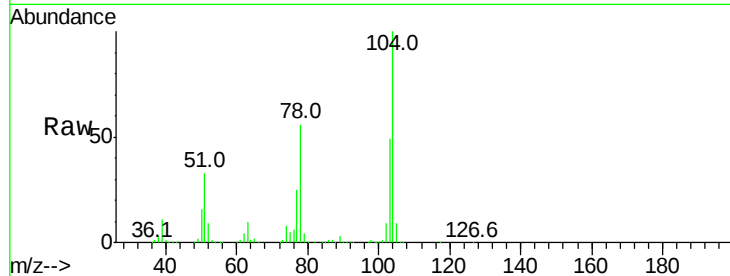
Tgt Ion: 91 Resp: 2119047
Ion Ratio Lower Upper
91 100
106 43.7 21.9 65.5





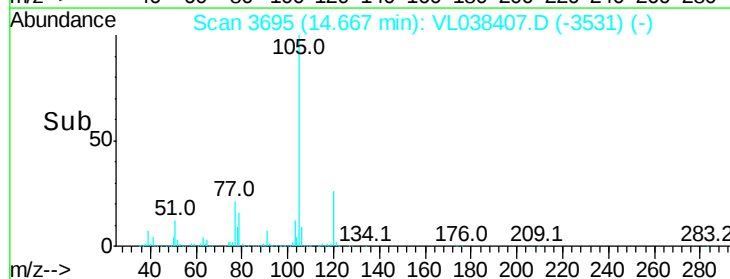
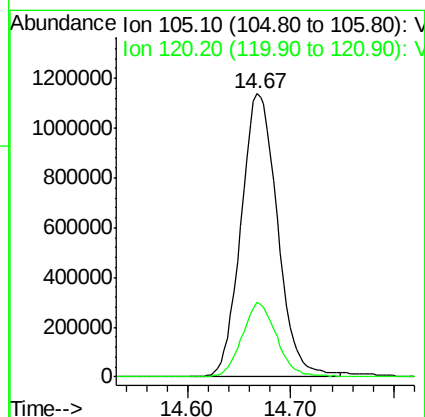
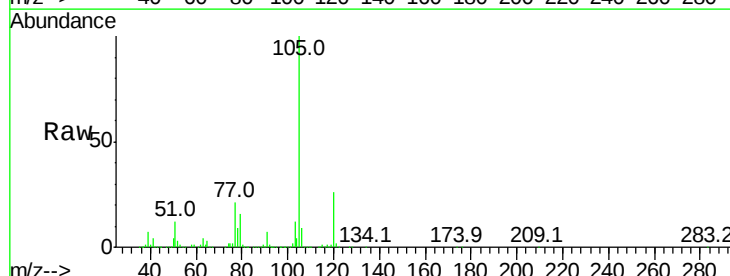
#61
Styrene
Concen: 7.95 ppbv
RT: 13.53 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0223ABS01
Acq: 23 Feb 2022 13:23

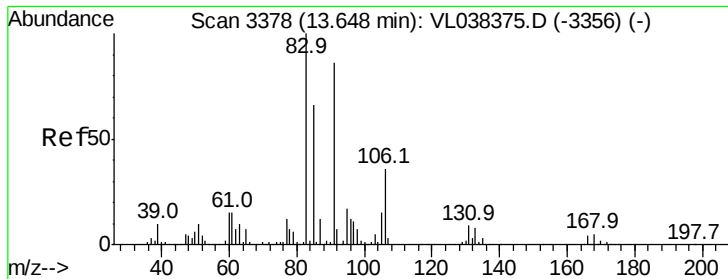
Tgt Ion:104 Resp: 1044659
Ion Ratio Lower Upper
104 100
78 57.2 44.2 66.4
103 48.8 38.4 57.6



#62
Isopropylbenzene
Concen: 7.32 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. 0.03 min
Lab File: VL038407.D
Acq: 23 Feb 2022 13:23

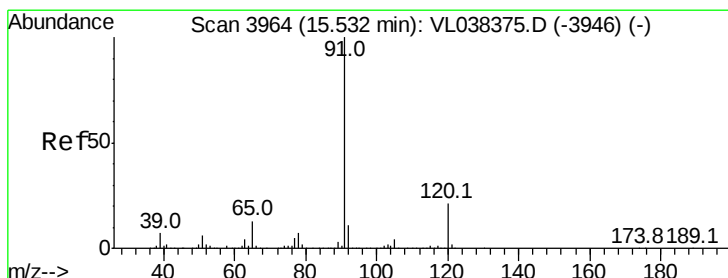
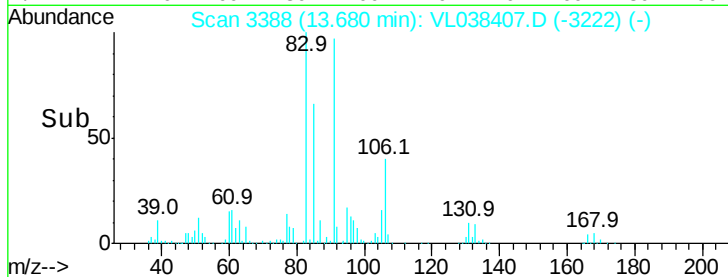
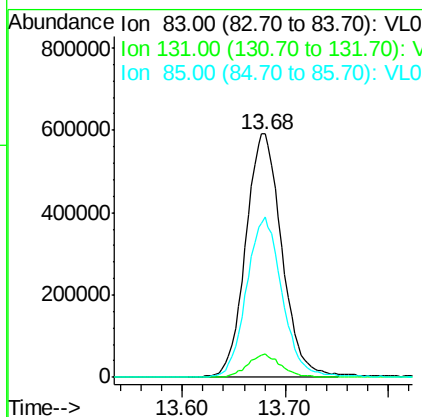
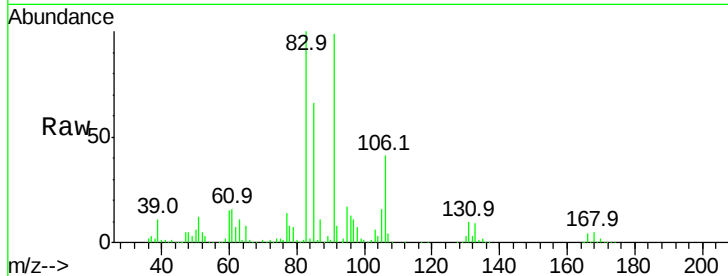
Tgt Ion:105 Resp: 2800752
Ion Ratio Lower Upper
105 100
120 25.4 20.6 30.8





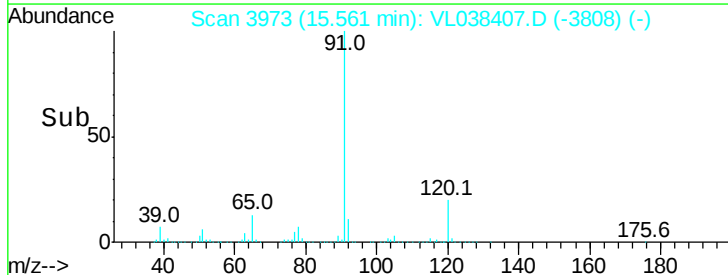
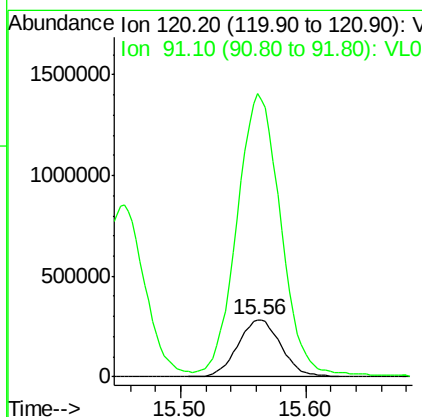
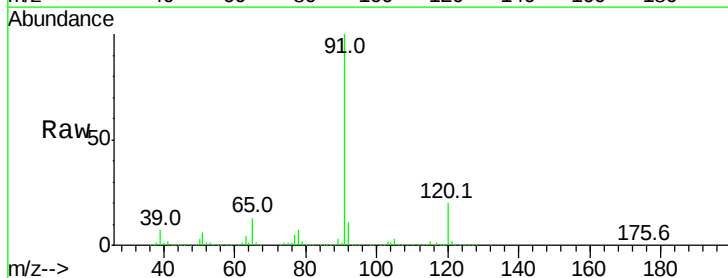
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.21 ppbv
 RT: 13.68 min
 Delta R.T. 0.03 min
 Lab File: VL0223ABS01
 Acq: 23 Feb 2022 13:23

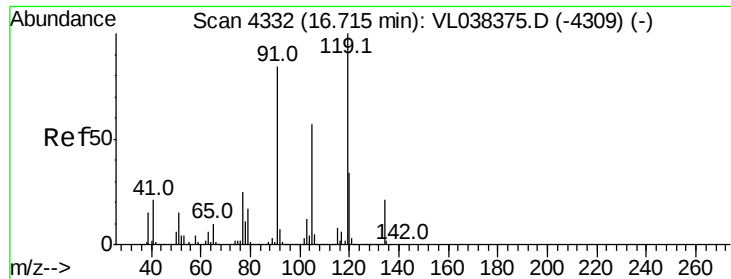
Tgt Ion: 83 Resp: 1436753
 Ion Ratio Lower Upper
 83 100
 131 8.9 4.5 13.7
 85 65.5 33.0 99.0



#64
 n-propylbenzene
 Concen: 7.19 ppbv
 RT: 15.56 min Scan# 3973
 Delta R.T. 0.03 min
 Lab File: VL038407.D
 Acq: 23 Feb 2022 13:23

Tgt Ion: 120 Resp: 680815
 Ion Ratio Lower Upper
 120 100
 91 505.9 388.1 582.1





#65

tert-Butylbenzene

Concen: 6.87 ppbv

RT: 16.75

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Feb 2022 13:23

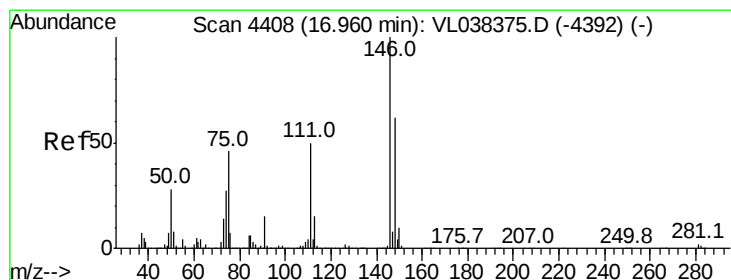
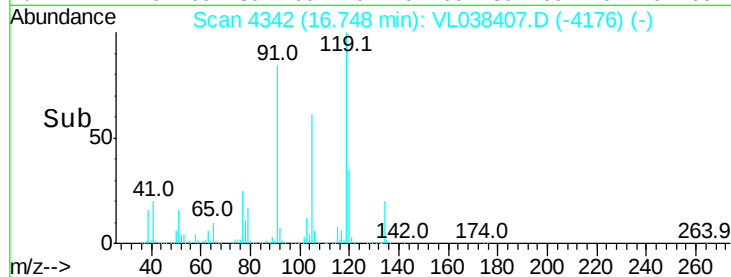
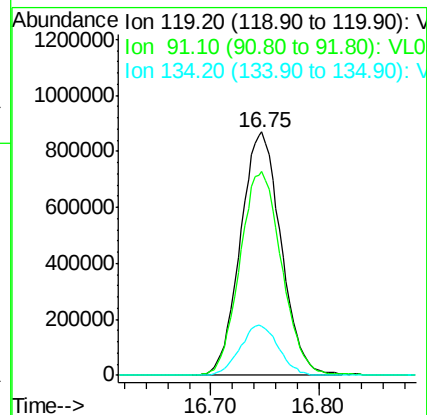
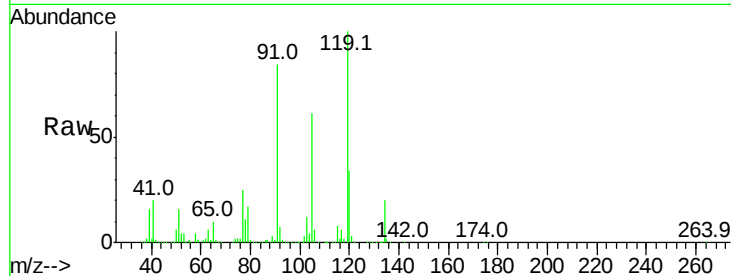
Tgt Ion: 119 Resp: 2274292

Ion Ratio Lower Upper

119 100

91 86.5 68.0 102.0

134 19.7 15.8 23.8



#66

Benzyl Chloride

Concen: 5.86 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. 0.03 min

Lab File: VL038407.D

Acq: 23 Feb 2022 13:23

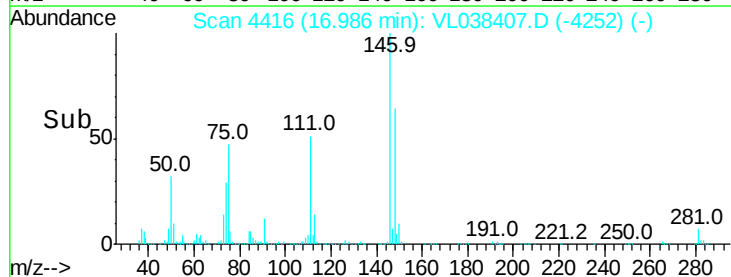
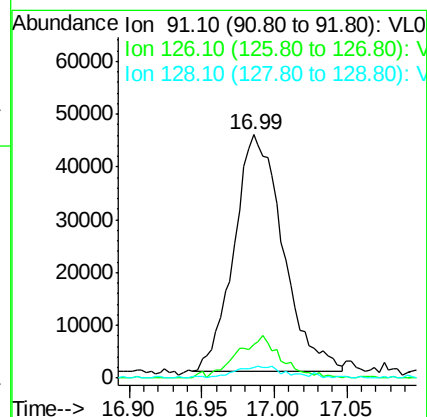
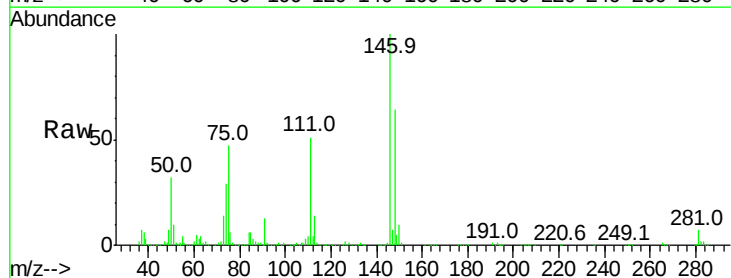
Tgt Ion: 91 Resp: 104923

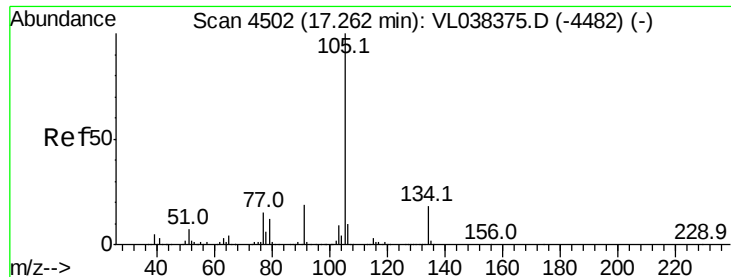
Ion Ratio Lower Upper

91 100

126 16.8 12.3 18.5

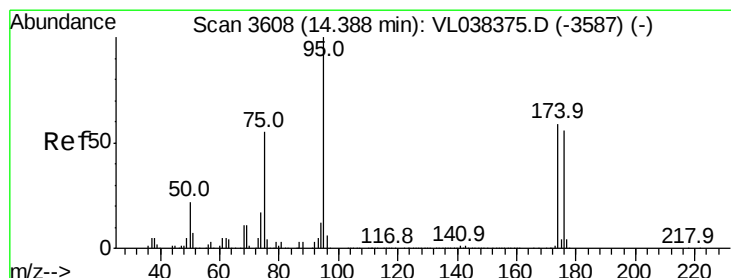
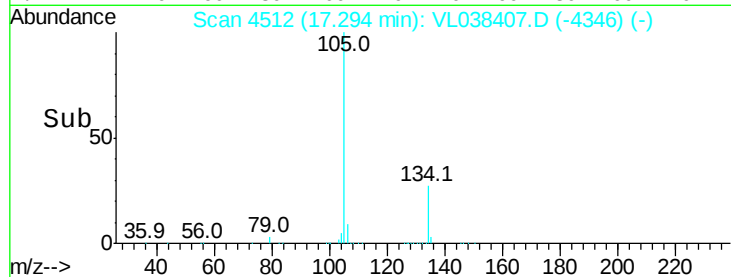
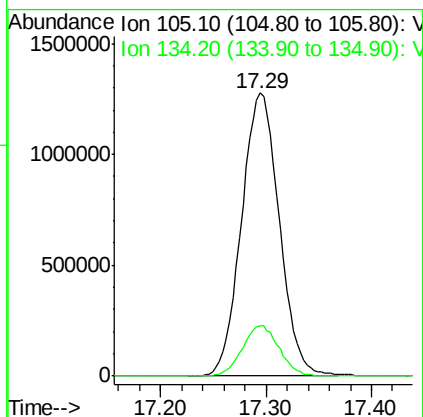
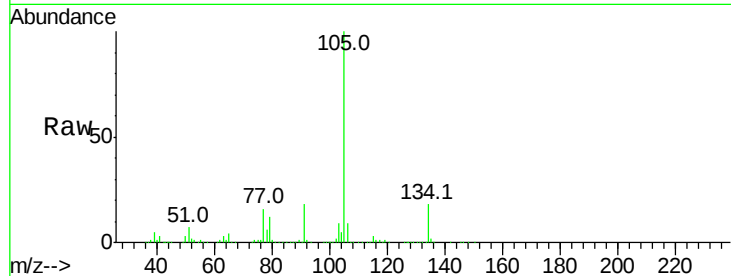
128 5.8 4.2 6.4





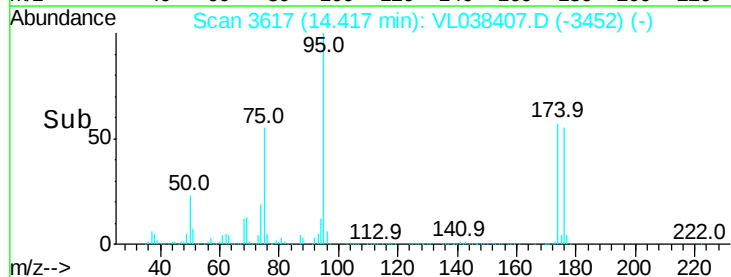
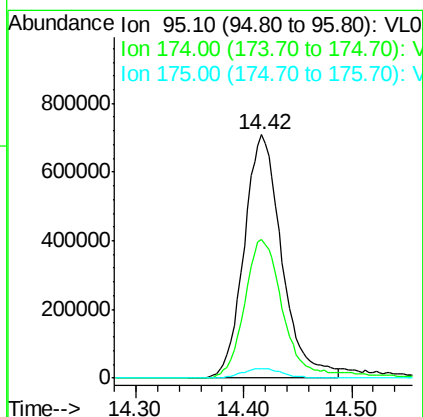
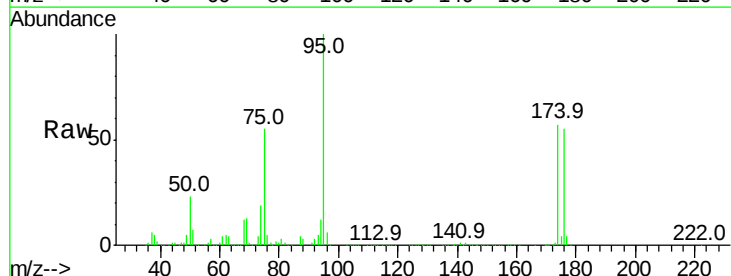
#67
 sec-Butylbenzene
 Concen: 6.77 ppbv
 RT: 17.29 min
 Delta R.T. 0.03 min
 Lab File: VL0223ABS01
 Acq: 23 Feb 2022 13:23

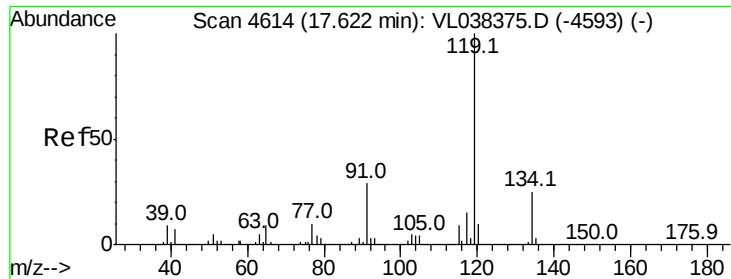
Tgt Ion: 105 Resp: 3178352
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.10 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. 0.03 min
 Lab File: VL038407.D
 Acq: 23 Feb 2022 13:23

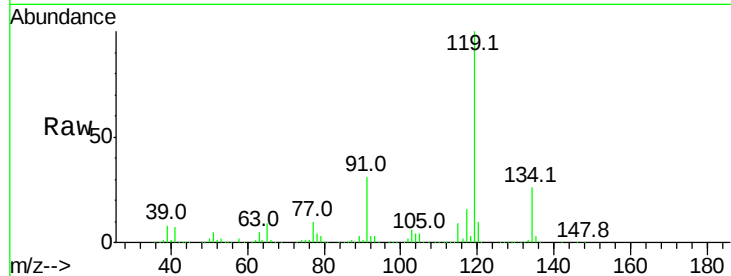
Tgt Ion: 95 Resp: 1719304
 Ion Ratio Lower Upper
 95 100
 174 60.3 49.0 73.4
 175 4.2 3.6 5.4



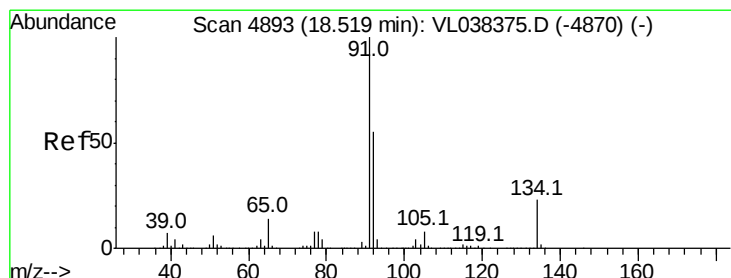
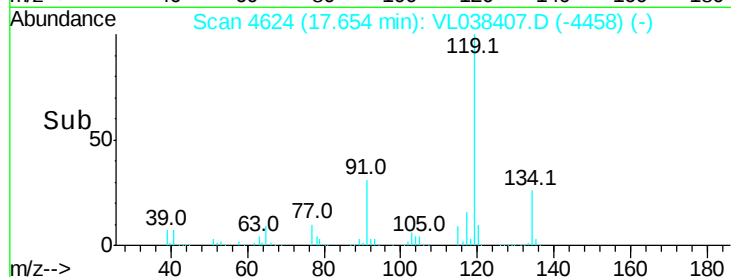
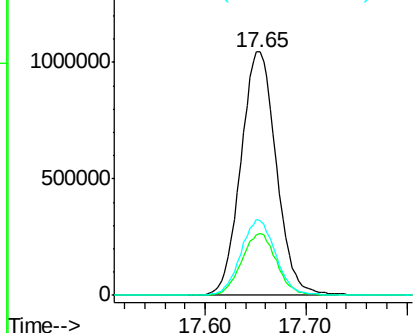


#69
 p-Isopropyltoluene
 Concen: 6.89 ppbv
 RT: 17.65 min
 Delta R.T. 0.03 min
 Lab File: VL0223ABS01
 Acq: 23 Feb 2022 13:23

Tgt Ion:	119	Resp:	2540739
Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.4	30.6
91	30.7	23.8	35.8

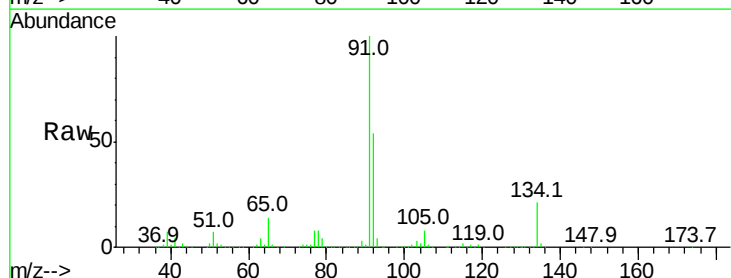


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

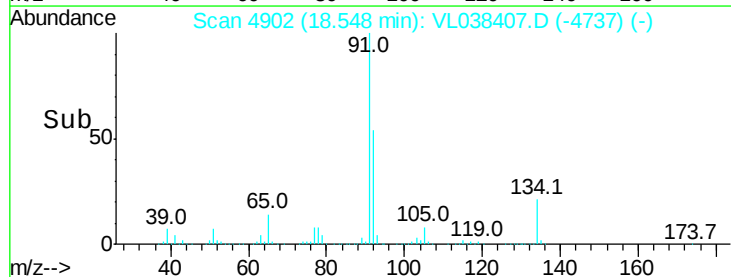
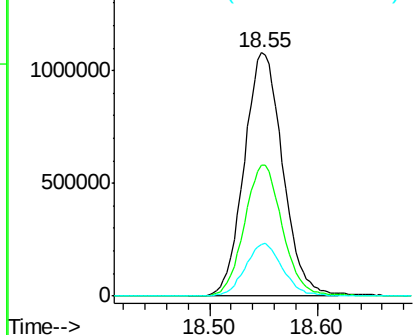


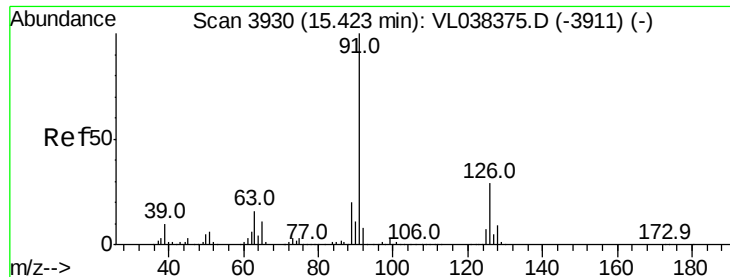
#70
 n-Butylbenzene
 Concen: 7.01 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.03 min
 Lab File: VL038407.D
 Acq: 23 Feb 2022 13:23

Tgt Ion:	91	Resp:	2674477
Ion	Ratio	Lower	Upper
91	100		
92	53.5	43.1	64.7
134	21.1	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: 6.97 ppbv

RT: 15.46

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

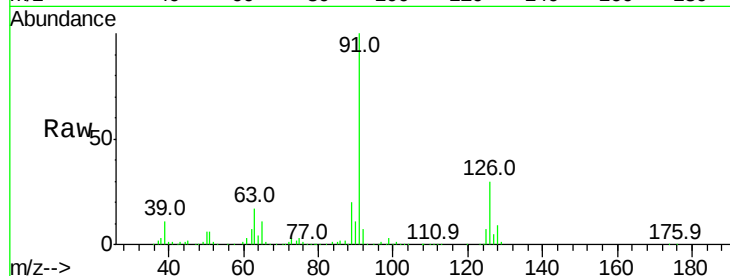
Acq: 23 Feb 2022 13:23

Tgt Ion: 91 Resp: 2048526

Ion Ratio Lower Upper

91 100

126 29.7 11.9 47.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

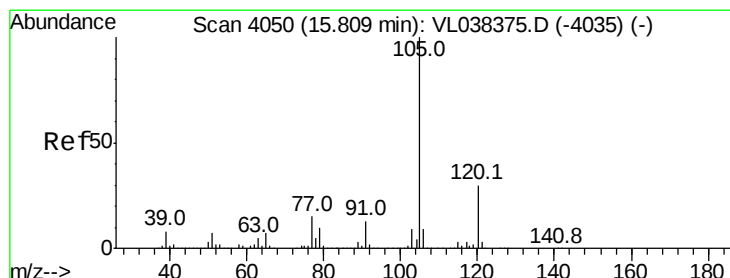
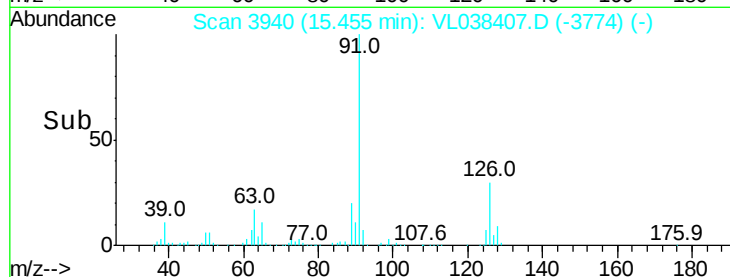
1500000

1000000

500000

0

Time-->



#72

4-Ethyltoluene

Concen: 7.17 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. 0.03 min

Lab File: VL038407.D

Acq: 23 Feb 2022 13:23

Tgt Ion: 105 Resp: 2250266

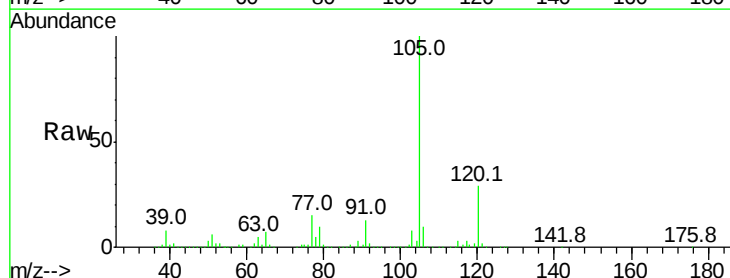
Ion Ratio Lower Upper

105 100

120 29.1 23.4 35.2

91 13.2 10.4 15.6

77 15.0 11.6 17.4



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

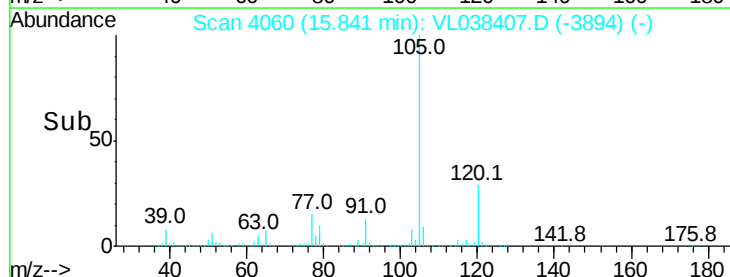
1500000

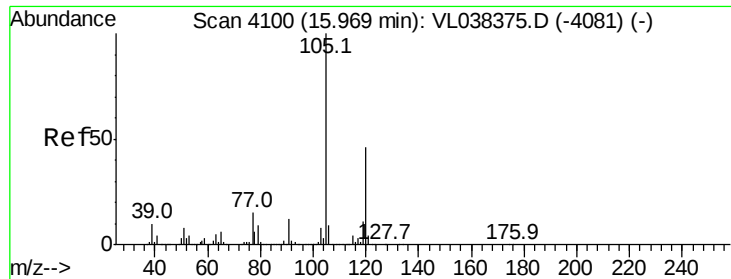
1000000

500000

0

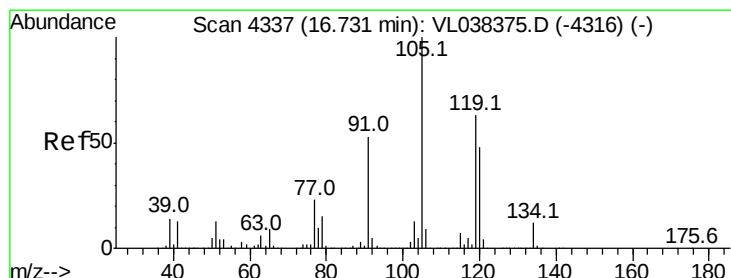
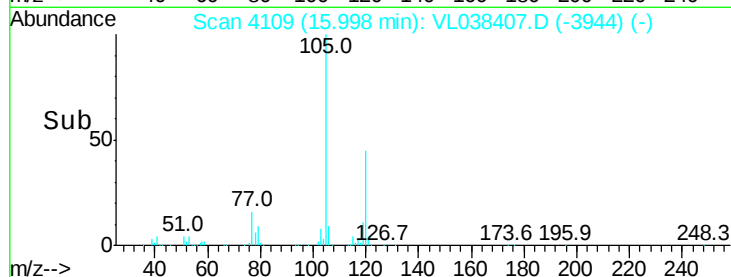
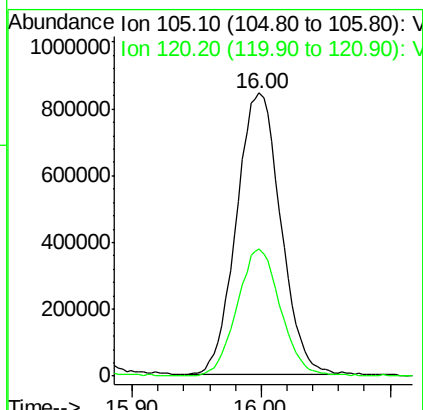
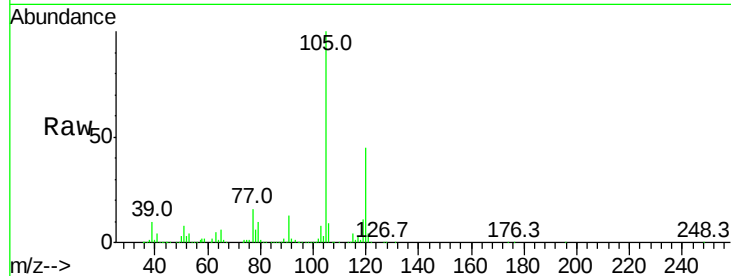
Time-->





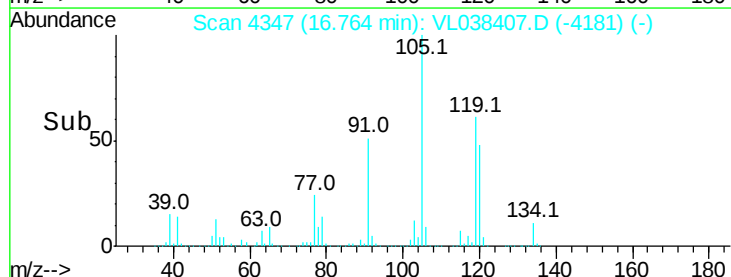
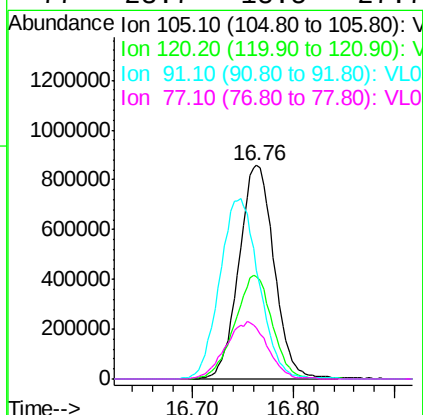
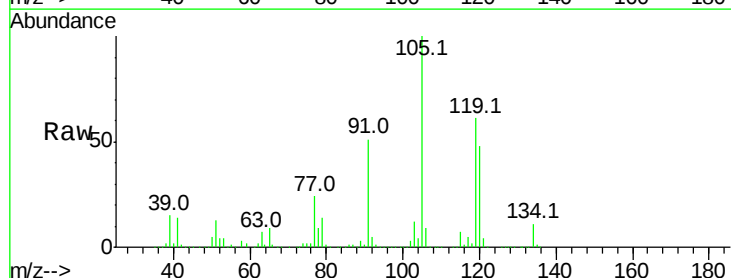
#73
 1,3,5-Trimethylbenzene
 Concen: 7.04 ppbv
 RT: 16.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0223ABS01
 Acq: 23 Feb 2022 13:23

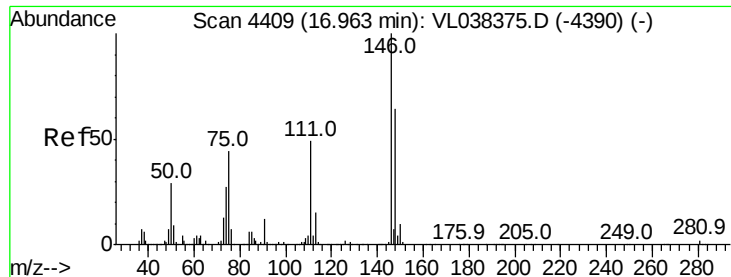
Tgt Ion:105 Resp: 2007998
 Ion Ratio Lower Upper
 105 100
 120 45.0 36.6 55.0



#74
 1,2,4-Trimethylbenzene
 Concen: 6.88 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. 0.03 min
 Lab File: VL038407.D
 Acq: 23 Feb 2022 13:23

Tgt Ion:105 Resp: 2072179
 Ion Ratio Lower Upper
 105 100
 120 47.9 38.2 57.4
 91 50.7 42.7 64.1
 77 23.7 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 6.53 ppbv

RT: 17.00

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 23 Feb 2022 13:23

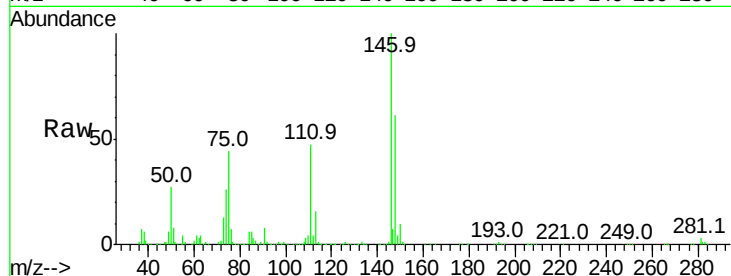
Tgt Ion:146 Resp: 1100211

Ion Ratio Lower Upper

146 100

111 49.6 24.3 72.9

148 64.0 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

600000

500000

400000

300000

200000

100000

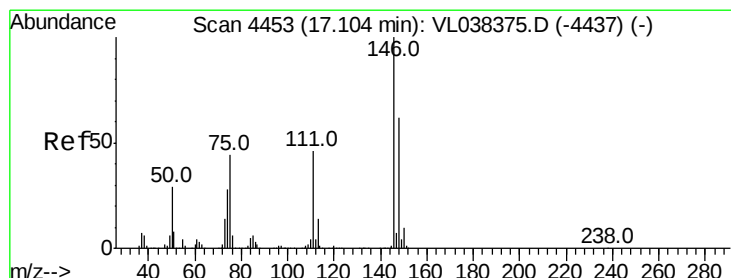
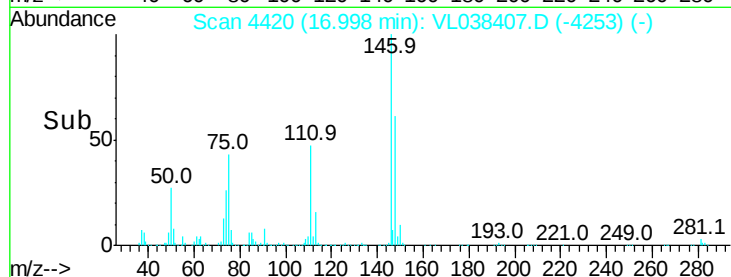
0

16.90

17.00

17.10

Time-->



#76

1,4-Dichlorobenzene

Concen: 6.23 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. 0.03 min

Lab File: VL038407.D

Acq: 23 Feb 2022 13:23

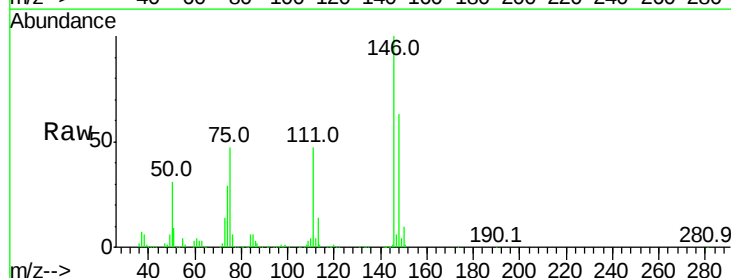
Tgt Ion:146 Resp: 1036422

Ion Ratio Lower Upper

146 100

111 49.3 24.1 72.2

148 67.5 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

600000

500000

400000

300000

200000

100000

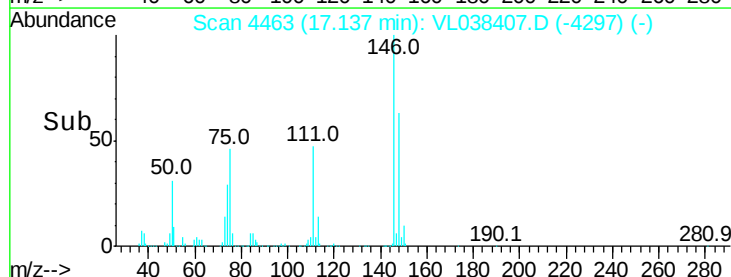
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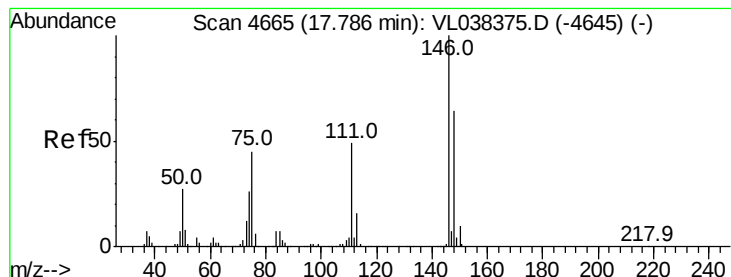
17.10

17.14

17.20

Time-->





#77

1,2-Dichlorobenzene

Concen: 6.44 ppbv

RT: 17.82

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Feb 2022 13:23

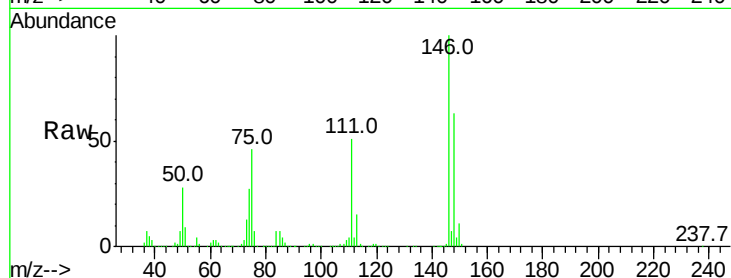
Tgt Ion:146 Resp: 1045636

Ion Ratio Lower Upper

146 100

111 51.6 25.6 76.6

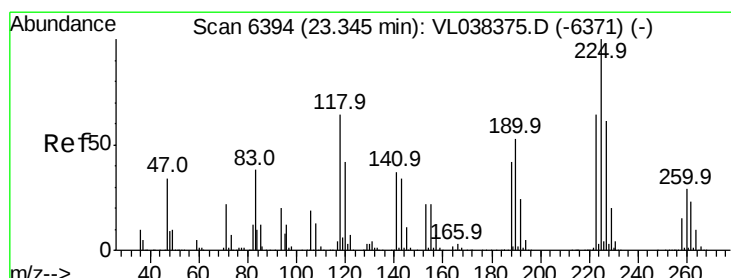
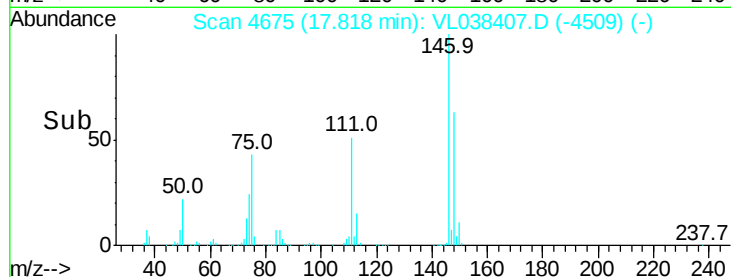
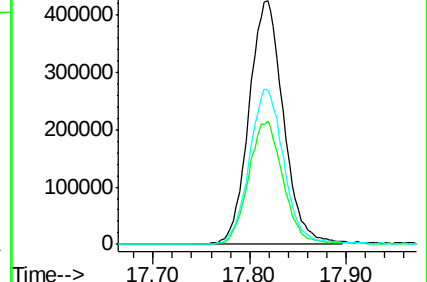
148 64.9 32.4 97.2



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: 6.72 ppbv

RT: 23.37 min Scan# 6402

Delta R.T. 0.03 min

Lab File: VL038407.D

Acq: 23 Feb 2022 13:23

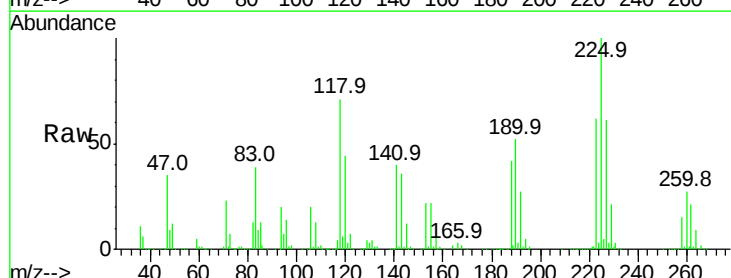
Tgt Ion:225 Resp: 831271

Ion Ratio Lower Upper

225 100

223 65.2 52.0 78.0

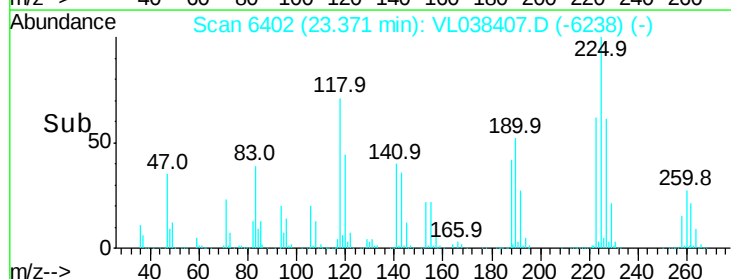
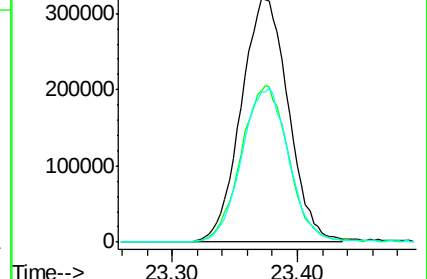
227 64.1 51.6 77.4

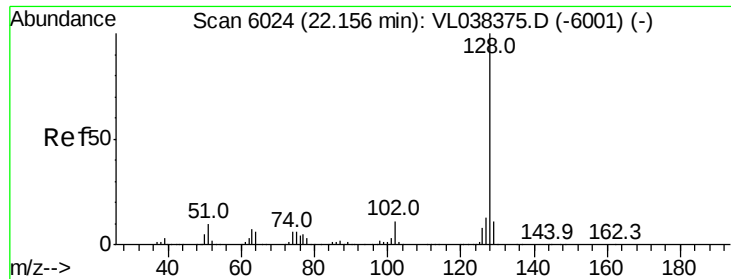


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

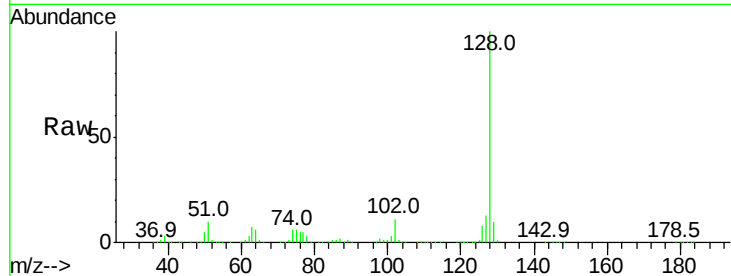




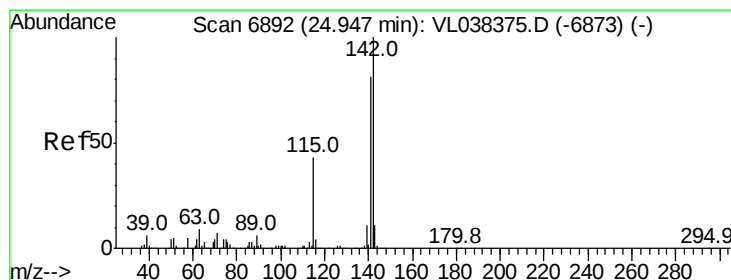
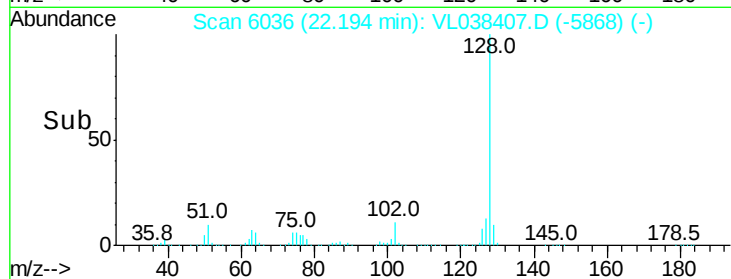
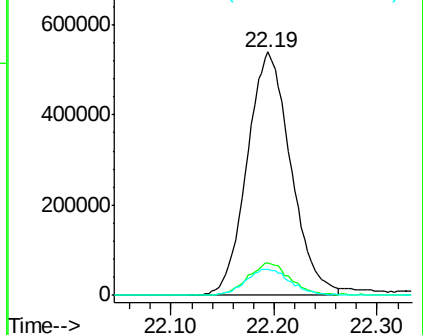
#79
Naphthalene
Concen: 9.73 ppbv
RT: 22.19 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0223ABS01
Acq: 23 Feb 2022 13:23

Tgt Ion:128 Resp: 1586887

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.4	8.8	13.2



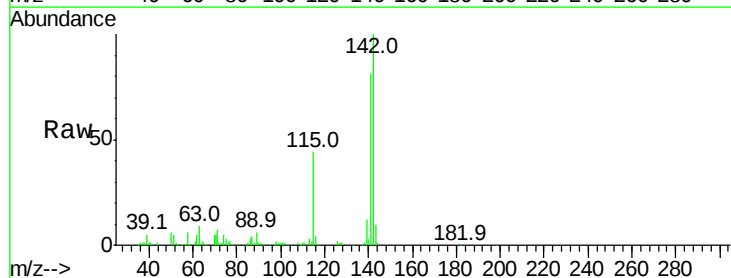
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



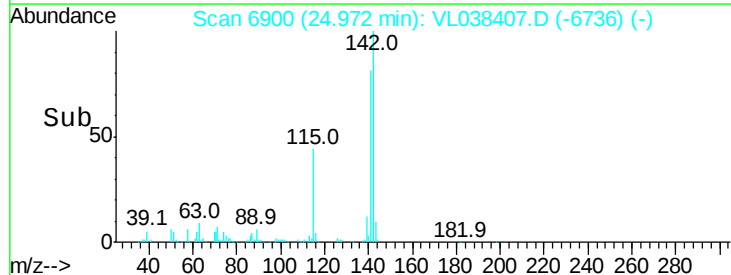
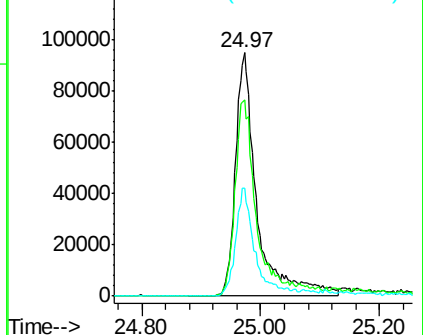
#80
Naphthalene, 2-methyl-
Concen: 7.45 ppbv
RT: 24.97 min Scan# 6900
Delta R.T. 0.03 min
Lab File: VL038407.D
Acq: 23 Feb 2022 13:23

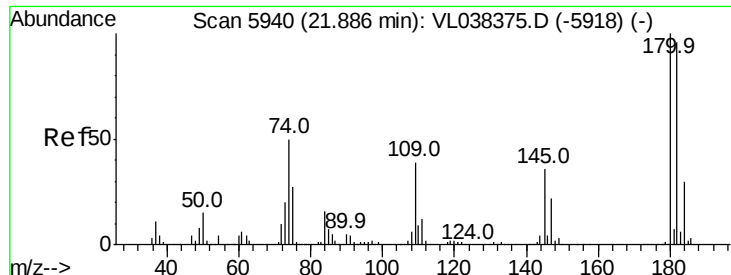
Tgt Ion:142 Resp: 237416

Ion	Ratio	Lower	Upper
142	100		
141	82.4	69.8	104.6
115	40.1	33.0	49.6

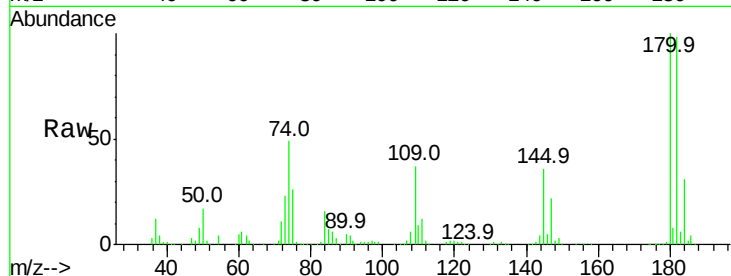


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.66 ppbv
 RT: 21.92
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId : VL0223ABS01
 Acq: 23 Feb 2022 15:25



Tgt Ion:	180	Resp:	854048
Ion Ratio	Lower	Upper	
180	100		
182	97.9	77.4	116.2
184	31.1	24.9	37.3

