

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022222\
 Data File : VL038379.D
 Acq On : 22 Feb 2022 6:40
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: Feb 22 07:57:33 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 07:53:26 2022

QLast Update : Tue Feb 22 07:53:26 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	949879	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	2296540	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.05	117	2002257	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1691890	11.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	19186	0.10	ppbv	97
3) Chlorodifluoromethane	2.98	51	19351	0.11	ppbv	96
4) Chloromethane	3.13	50	3263	0.05	ppbv	98
5) Vinyl Chloride	3.25	62	2555	0.04	ppbv #	42
6) Bromomethane	3.47	94	3172	0.09	ppbv	82
7) Chloroethane	3.54	64	945	0.04	ppbv	89
8) Dichlorotetrafluoroethane	3.18	85	14914	0.10	ppbv	99
9) Propene	3.01	41	7322	0.12	ppbv	93
10) Heptane	8.10	43	7928	0.05	ppbv #	65
11) Trichlorofluoromethane	3.93	101	14385	0.09	ppbv	88
12) 1,1,2-Trichlorotrifluoroet	4.47	101	10032	0.09	ppbv	90
13) Ethanol	3.62	45	470	0.08	ppbv #	31
14) Bromoethene	3.73	108	2597	0.06	ppbv #	34
16) 1,3-Butadiene	3.32	39	4729	0.08	ppbv	91
18) 1,1-Dichloroethene	4.27	96	2372	0.05	ppbv #	70
19) Isopropyl Alcohol	3.99	45	1654	0.03	ppbv #	1
20) Methylene Chloride	4.33	84	6098	0.13	ppbv #	91
21) Allyl Chloride	4.40	41	5454	0.08	ppbv #	65
22) trans-1,2-Dichloroethene	4.87	96	2520	0.05	ppbv	83
24) 1,1-Dichloroethane	4.99	63	6648	0.06	ppbv #	90
25) Ethyl Acetate	5.68	43	18287	0.08	ppbv #	94
26) Hexane	5.66	57	8537	0.08	ppbv #	9
27) Carbon Disulfide	4.54	76	7846	0.06	ppbv #	82
29) Chloroform	5.72	83	6169	0.04	ppbv	91
30) Cyclohexane	7.10	84	2775	0.03	ppbv #	1
31) cis-1,2-Dichloroethene	5.53	61	7169	0.07	ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	15112	0.09	ppbv	96
35) Carbon Tetrachloride	6.99	117	14393	0.09	ppbv #	84
37) 1,2-Dichloroethane	6.29	62	7564	0.06	ppbv #	89
38) Trichloroethene	7.82	130	5759	0.08	ppbv #	63
39) 1,2-Dichloropropane	7.15	63	624870	7.59	ppbv #	25
42) Bromodichloromethane	7.76	83	7243	0.04	ppbv #	95
44) 2,2,4-Trimethylpentane	7.84	57	32777	0.09	ppbv #	92
53) Toluene	9.78	91	12701	0.06	ppbv #	75
54) 1,2-Dibromoethane	10.58	107	8560	0.07	ppbv	88
56) 1,1,1,2-Tetrachloroethane	12.10	131	2686	0.03	ppbv #	9
57) Chlorobenzene	12.11	112	7854	0.05	ppbv #	68
58) Ethyl Benzene	12.68	91	10947	0.04	ppbv	94
59) m/p-Xylene	12.96	91	13489	0.05	ppbv #	33
60) o-Xylene	13.65	91	7363	0.03	ppbv #	32
61) Styrene	13.50	104	3463	0.03	ppbv #	14

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022222\
 Data File : VL038379.D
 Acq On : 22 Feb 2022 6:40
 Operator : SY/AP
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Quant Time: Feb 22 07:57:33 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 07:53:26 2022
 QLast Update : Tue Feb 22 07:53:26 2022
 Response via : Initial Calibration

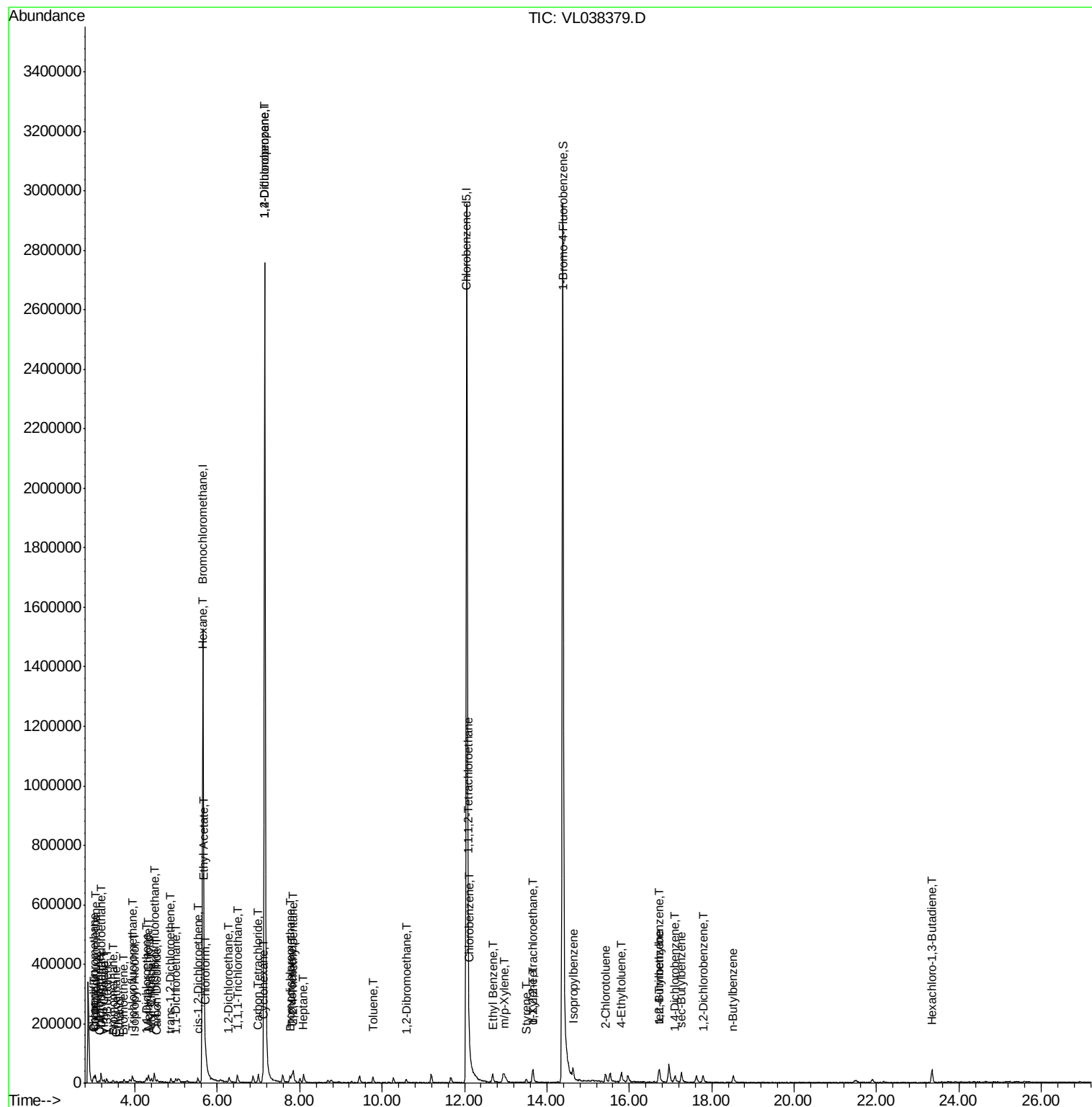
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) Isopropylbenzene	14.64	105	18941	0.06	ppbv #	77
63) 1,1,2,2-Tetrachloroethane	13.64	83	6658	0.04	ppbv #	22
65) tert-Butylbenzene	16.71	119	7863	0.03	ppbv #	1
67) sec-Butylbenzene	17.27	105	25806	0.07	ppbv	94
70) n-Butylbenzene	18.52	91	8789	0.03	ppbv #	30
71) 2-Chlorotoluene	15.41	91	7370	0.03	ppbv #	45
72) 4-Ethyltoluene	15.80	105	8217	0.03	ppbv #	55
74) 1,2,4-Trimethylbenzene	16.73	105	8393	0.04	ppbv #	82
76) 1,4-Dichlorobenzene	17.10	146	4176	0.03	ppbv #	1
77) 1,2-Dichlorobenzene	17.78	146	3943	0.03	ppbv #	22
78) Hexachloro-1,3-Butadiene	23.34	225	5781	0.07	ppbv #	44

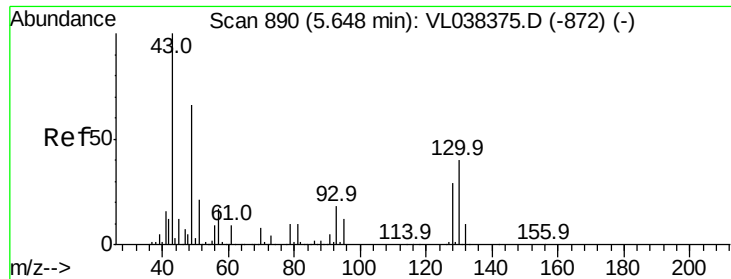
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022222\
Data File : VL038379.D
Acq On : 22 Feb 2022 6:40
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Feb 22 07:57:33 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 07:53:26 2022
QLast Update : Tue Feb 22 07:53:26 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId: VSTDIC0.1

Acq: 22 Feb 2022 6:40

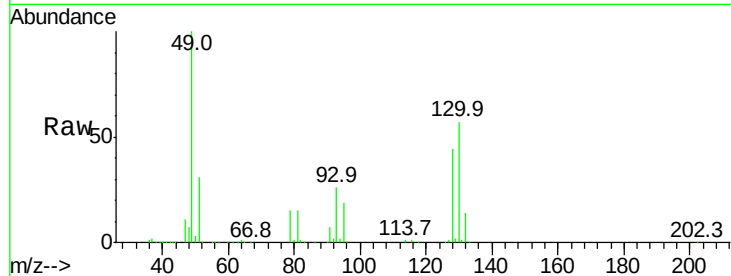
Tgt Ion: 49 Resp: 949879

Ion Ratio Lower Upper

49 100

128 46.5 24.3 72.9

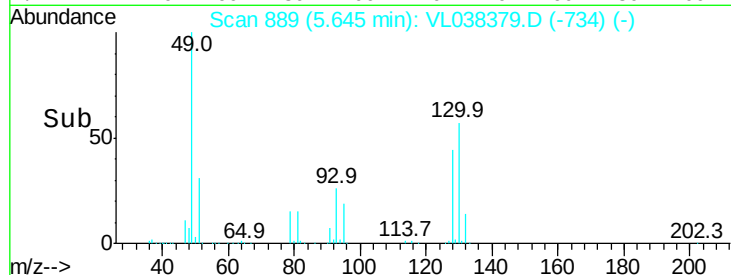
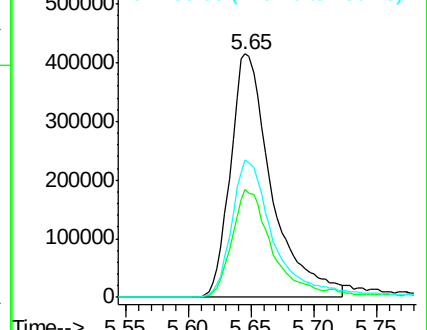
130 59.9 30.1 90.5



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



#2

Dichlorodifluoromethane

Concen: 0.10 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL038379.D

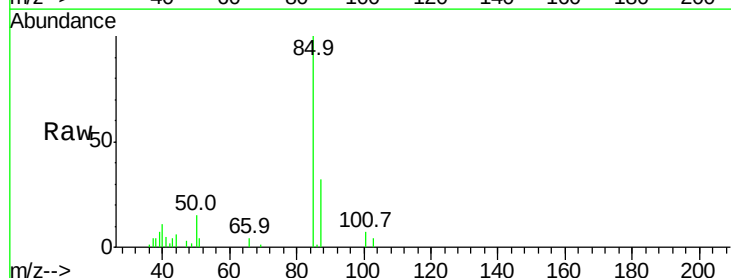
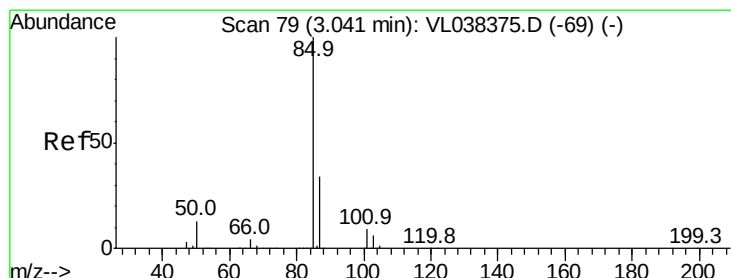
Acq: 22 Feb 2022 6:40

Tgt Ion: 85 Resp: 19186

Ion Ratio Lower Upper

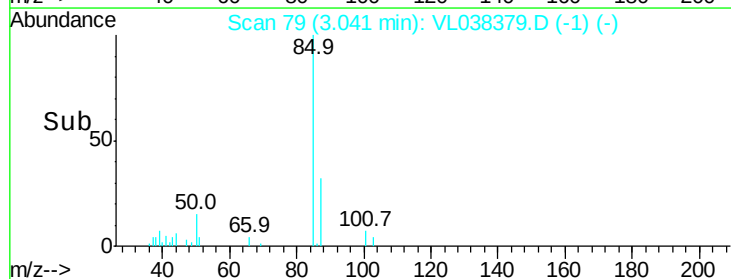
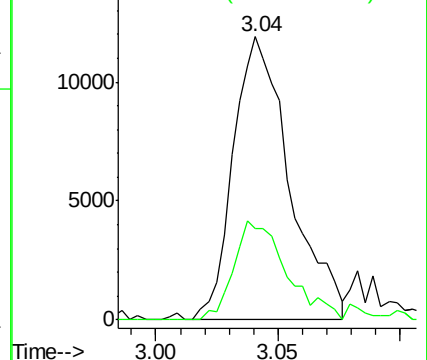
85 100

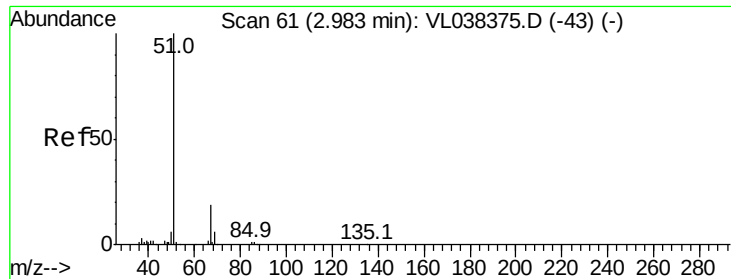
87 32.3 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.11 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC0.1

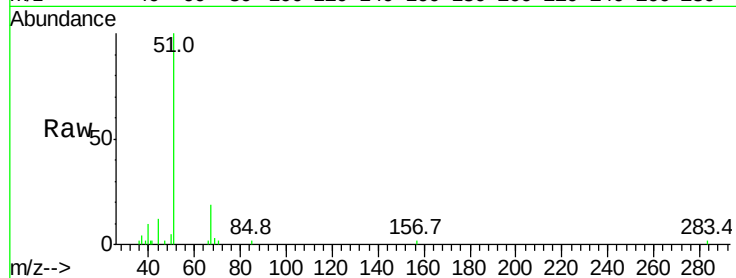
Acq: 22 Feb 2022 6:40

Tgt Ion: 51 Resp: 19351

Ion Ratio Lower Upper

51 100

67 20.3 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.98

12000

10000

8000

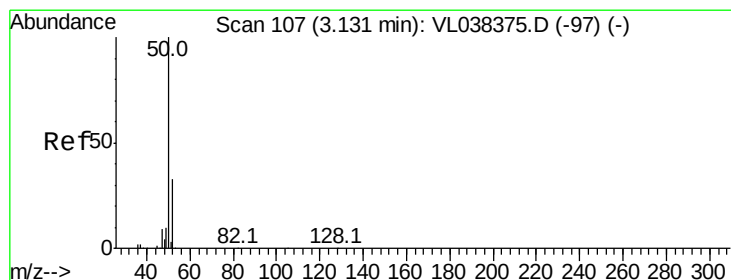
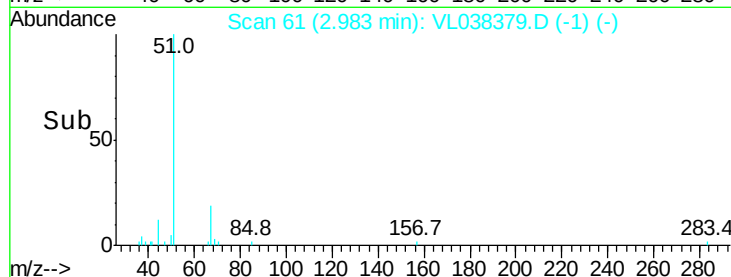
6000

4000

2000

0

Time-->



#4

Chloromethane

Concen: 0.05 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL038379.D

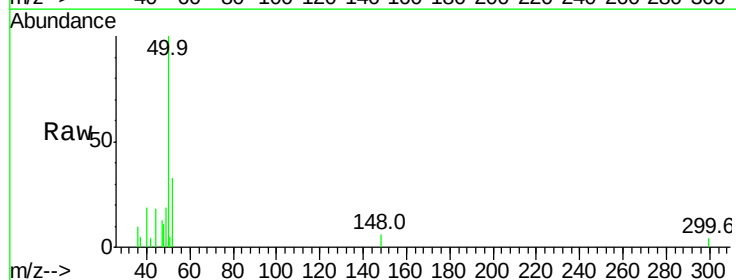
Acq: 22 Feb 2022 6:40

Tgt Ion: 50 Resp: 3263

Ion Ratio Lower Upper

50 100

52 31.8 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.13

5000

4000

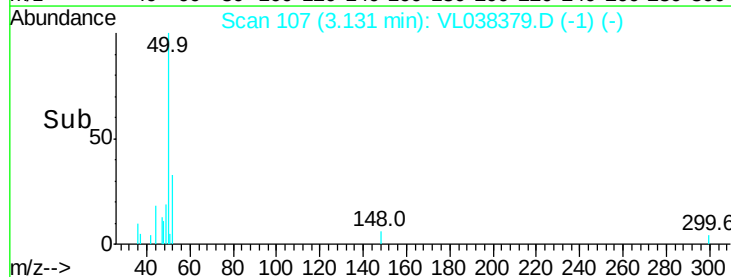
3000

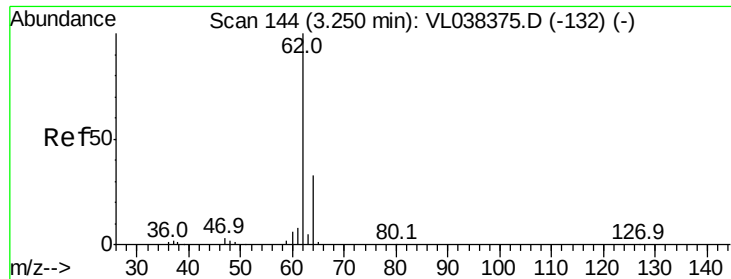
2000

1000

0

Time-->





#5

Vinyl Chloride

Concen: 0.04 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

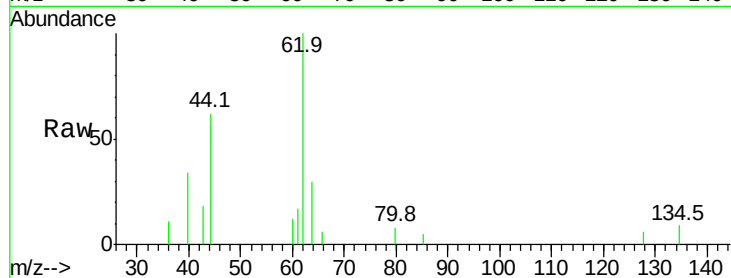
Acq: 22 Feb 2022 VSTDIC0.1

Tgt Ion: 62 Resp: 2555

Ion Ratio Lower Upper

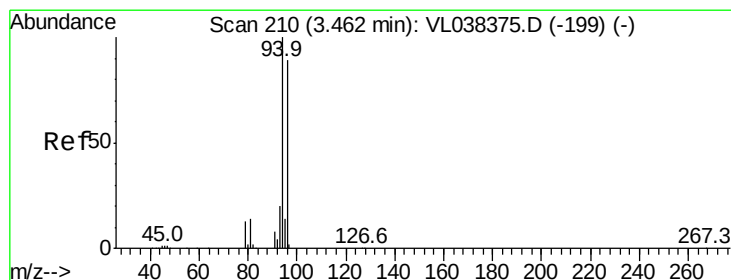
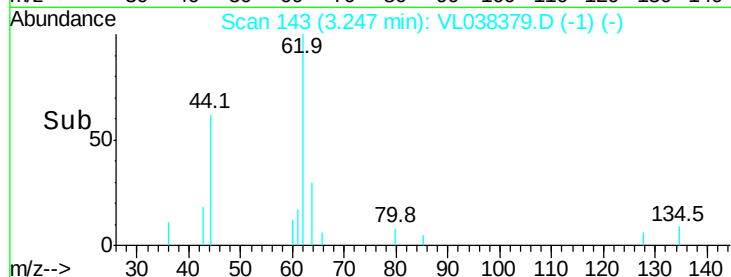
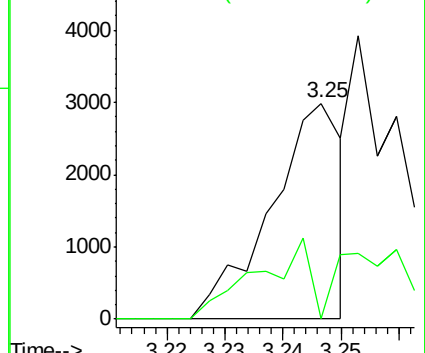
62 100

64 0.0 26.2 39.2#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.09 ppbv

RT: 3.47 min Scan# 211

Delta R.T. 0.00 min

Lab File: VL038379.D

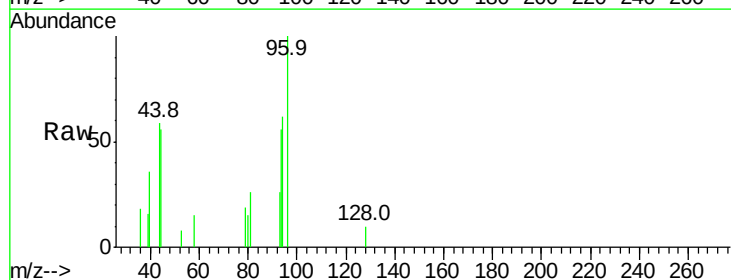
Acq: 22 Feb 2022 6:40

Tgt Ion: 94 Resp: 3172

Ion Ratio Lower Upper

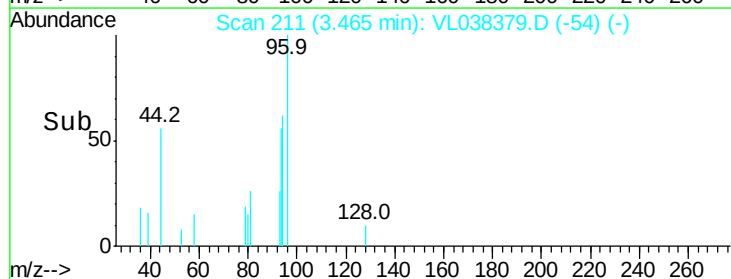
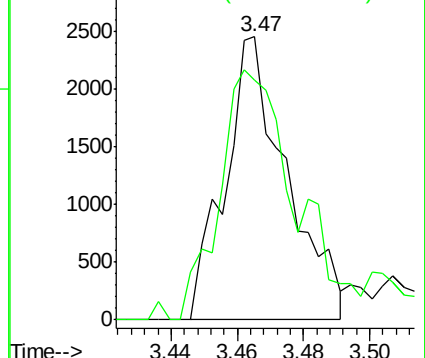
94 100

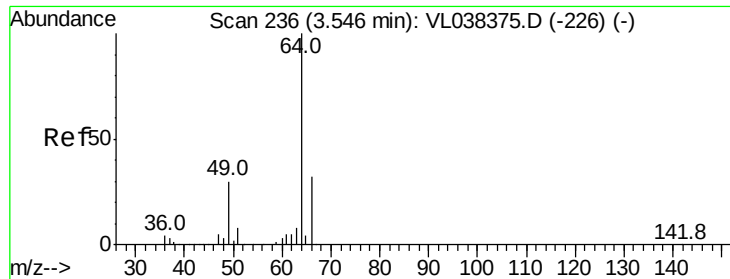
96 71.9 71.0 106.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.04 ppbv

RT: 3.54 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC0.1

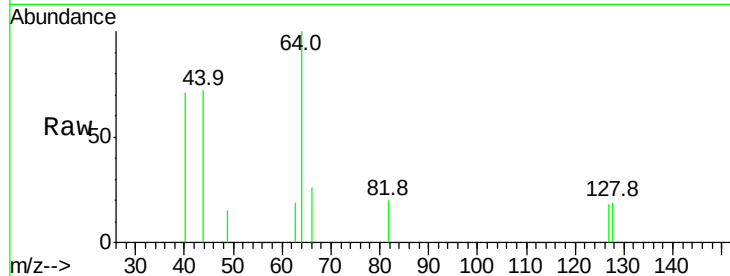
Acq: 22 Feb 2022 6:40

Tgt Ion: 64 Resp: 945

Ion Ratio Lower Upper

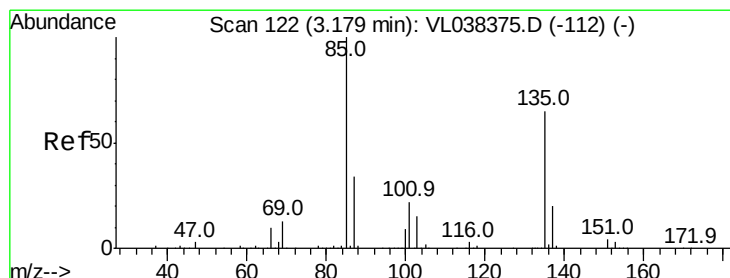
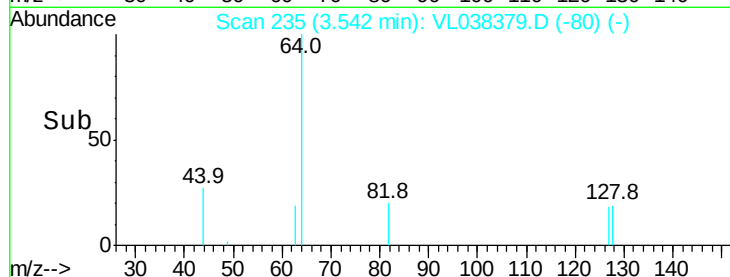
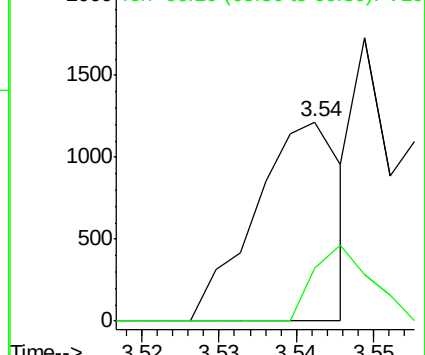
64 100

66 26.5 25.9 38.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.10 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL038379.D

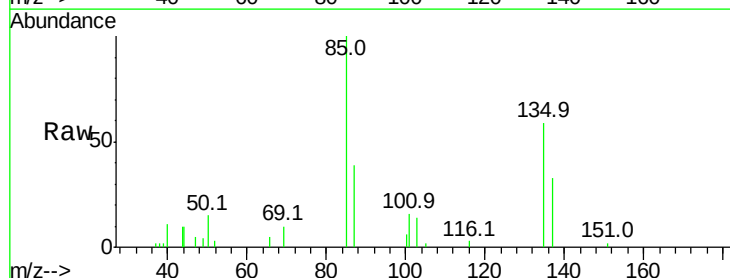
Acq: 22 Feb 2022 6:40

Tgt Ion: 85 Resp: 14914

Ion Ratio Lower Upper

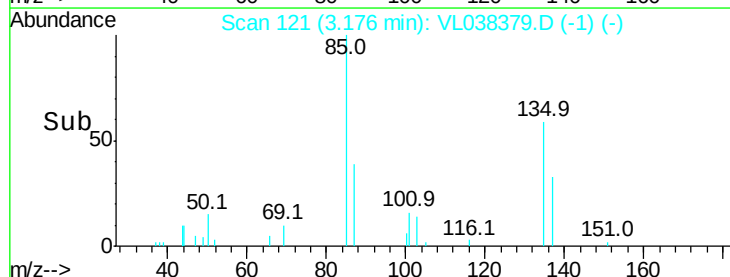
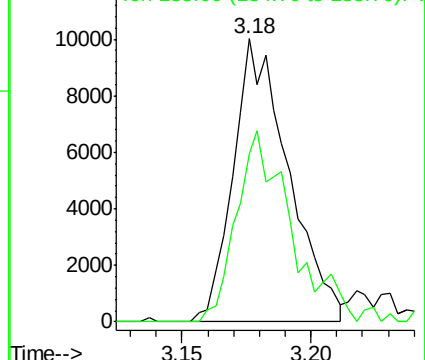
85 100

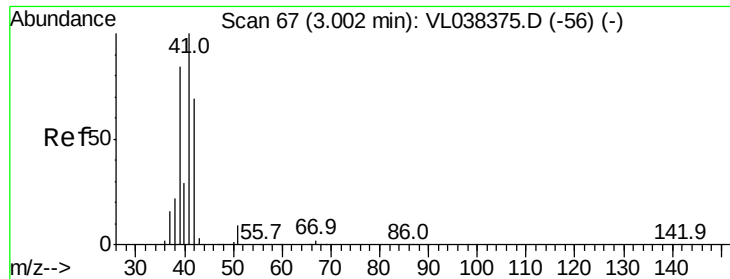
135 68.6 54.1 81.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0





#9

Propene

Concen: 0.12 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

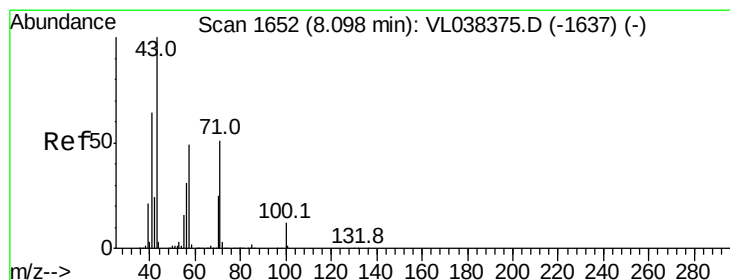
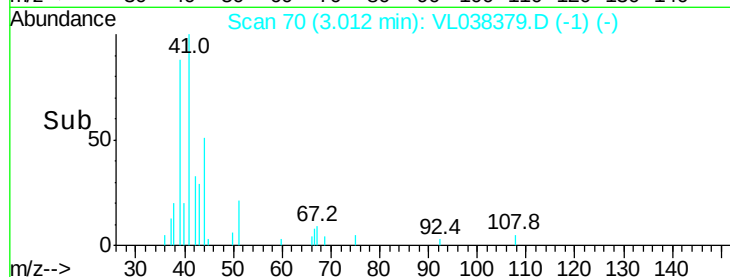
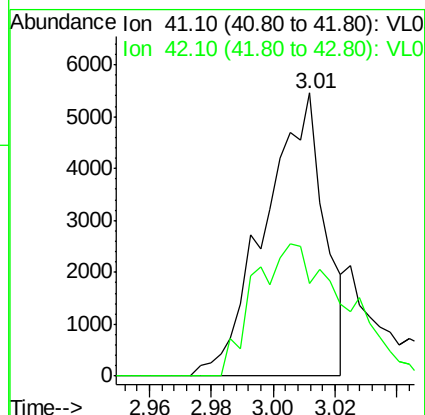
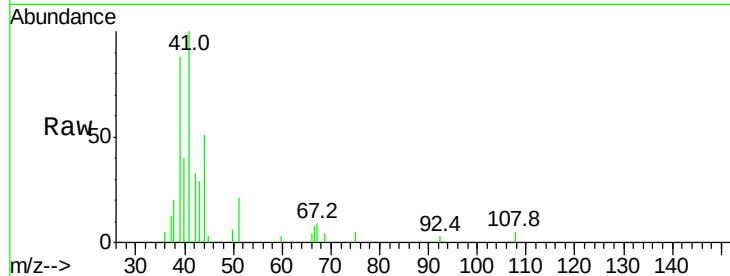
Acq: 22 Feb 2022 6:40 VSTDIC0.1

Tgt Ion: 41 Resp: 7322

Ion Ratio Lower Upper

41 100

42 73.8 54.6 82.0



#10

Heptane

Concen: 0.05 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VL038379.D

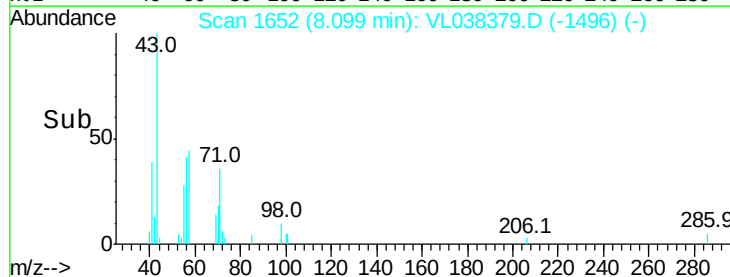
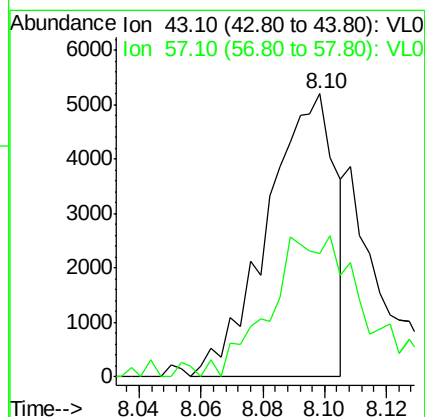
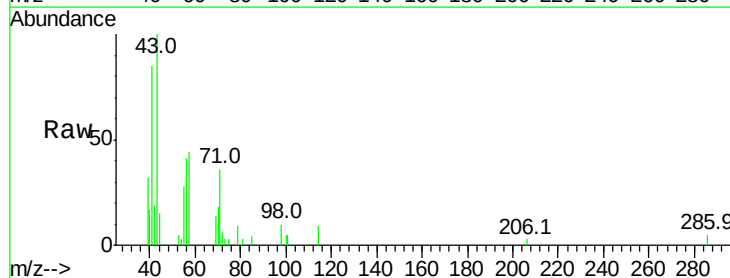
Acq: 22 Feb 2022 6:40

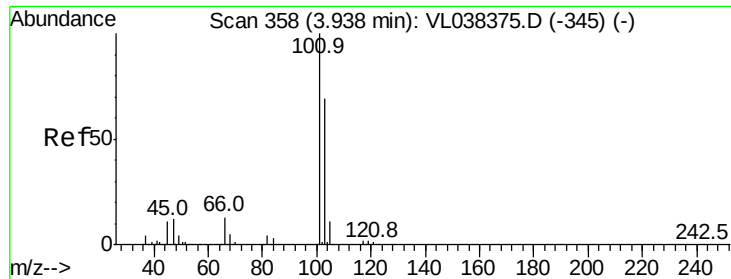
Tgt Ion: 43 Resp: 7928

Ion Ratio Lower Upper

43 100

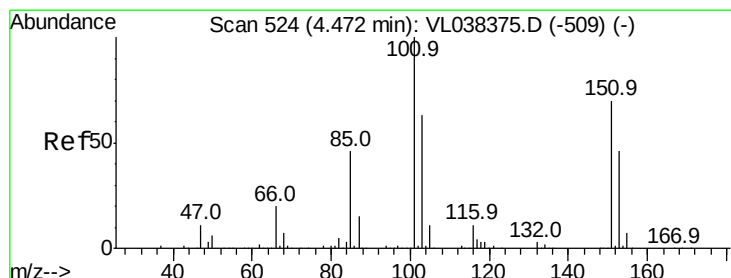
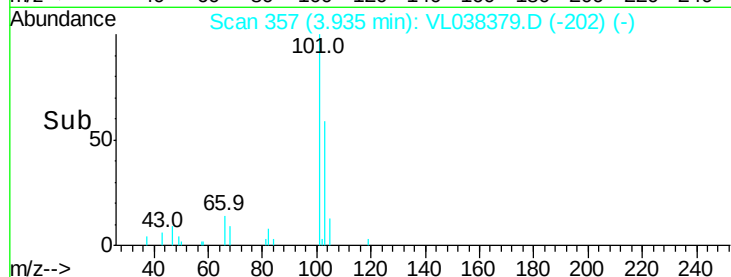
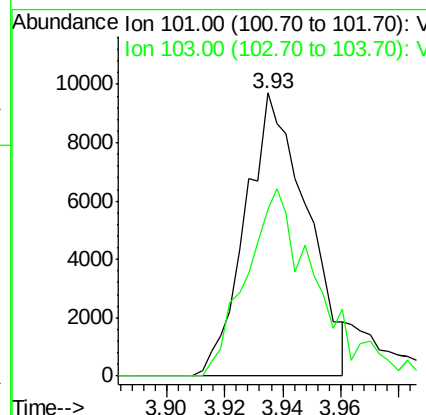
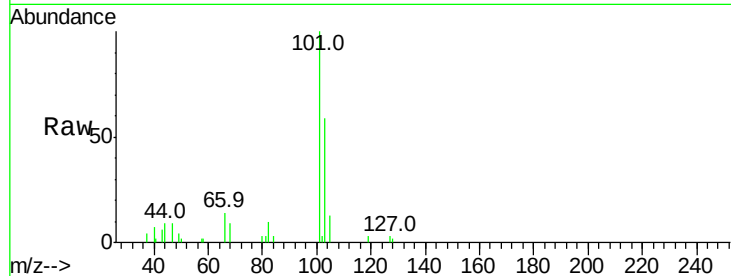
57 73.7 39.8 59.8#





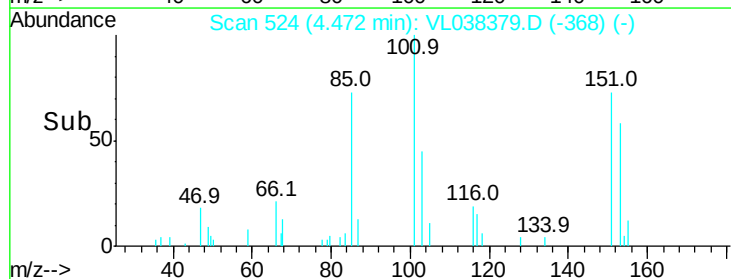
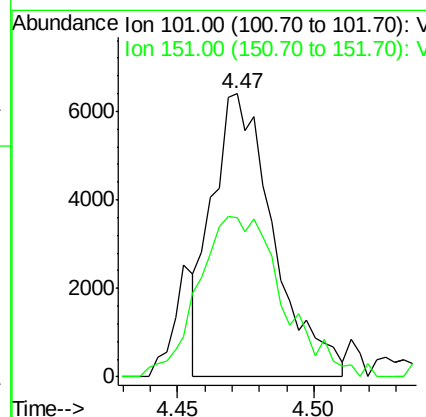
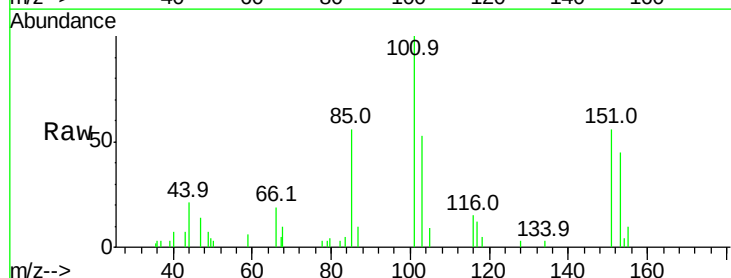
#11
 Trichlorofluoromethane
 Concen: 0.09 ppbv
 RT: 3.93
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 22 Feb 2022 6:40

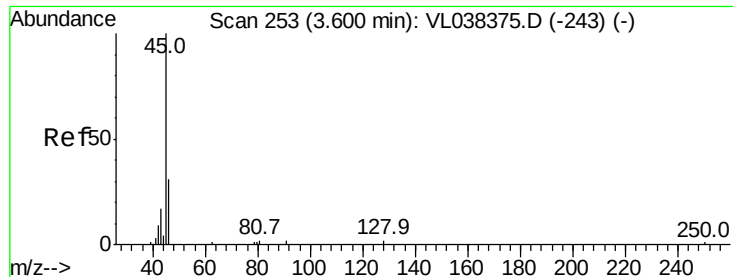
Tgt Ion:101 Resp: 14385
 Ion Ratio Lower Upper
 101 100
 103 58.9 55.0 82.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.09 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VL038379.D
 Acq: 22 Feb 2022 6:40

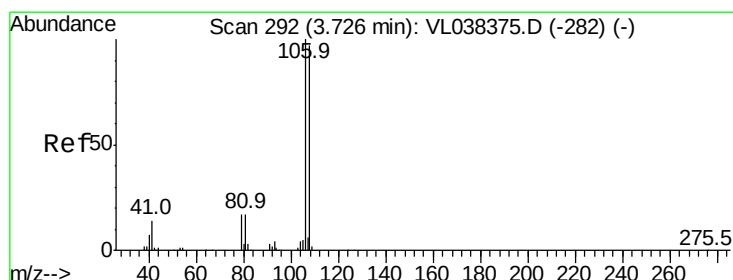
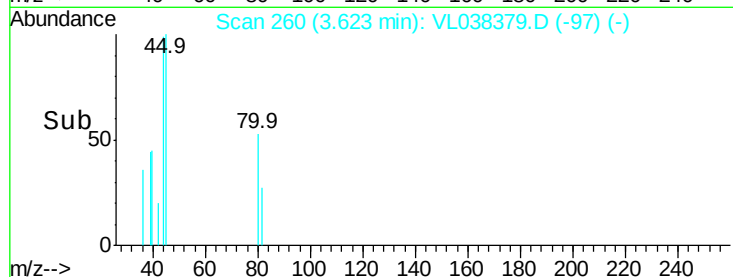
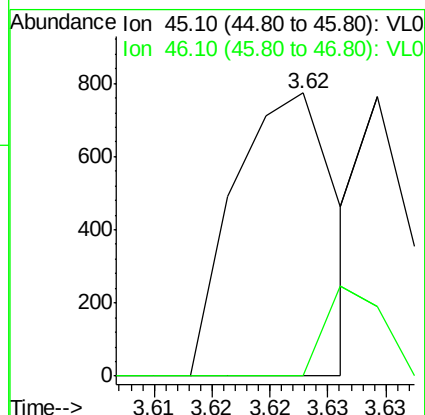
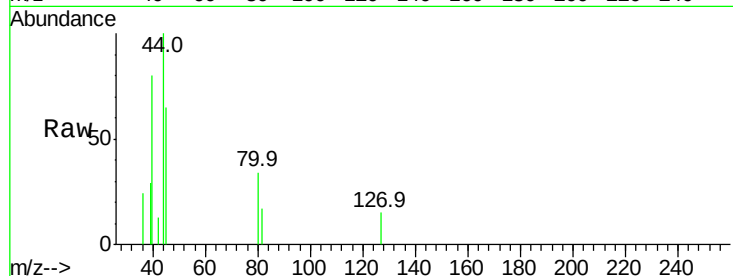
Tgt Ion:101 Resp: 10032
 Ion Ratio Lower Upper
 101 100
 151 78.3 55.9 83.9





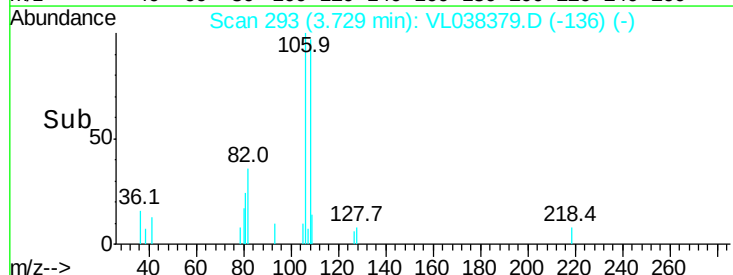
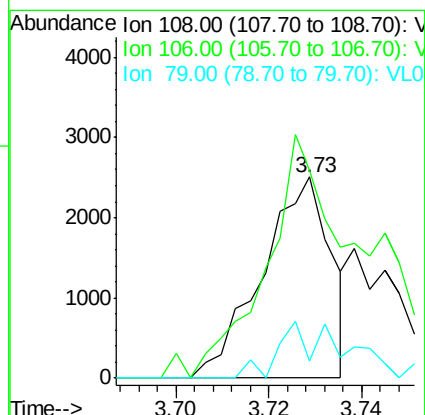
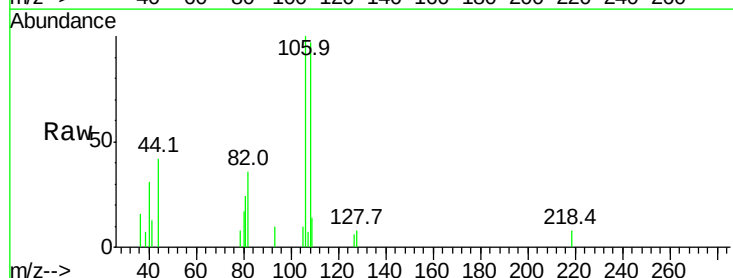
#13
Ethanol
Concen: 0.08 ppbv
RT: 3.62
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 22 Feb 2022 6:40

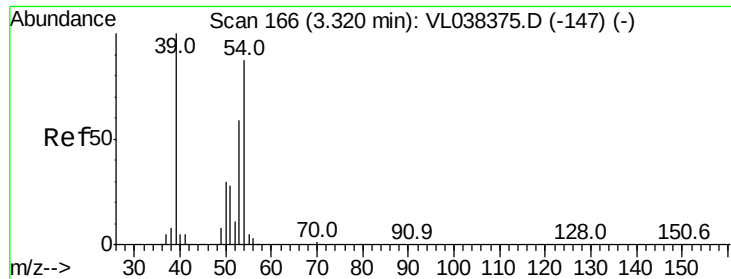
Tgt Ion: 45 Resp: 470
Ion Ratio Lower Upper
45 100
46 0.0 18.2 72.8#



#14
Bromoethene
Concen: 0.06 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL038379.D
Acq: 22 Feb 2022 6:40

Tgt Ion: 108 Resp: 2597
Ion Ratio Lower Upper
108 100
106 187.9 88.4 132.6#
79 30.7 15.0 22.6#





#16

1,3-Butadiene

Concen: 0.08 ppbv

RT: 3.32 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

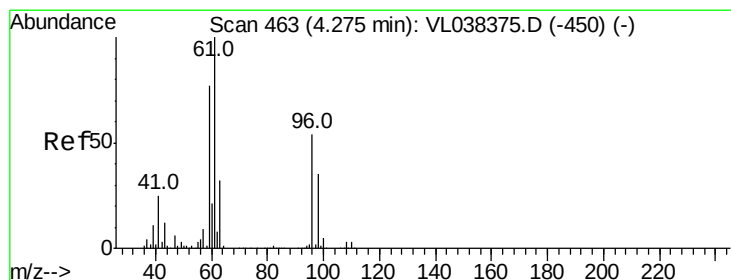
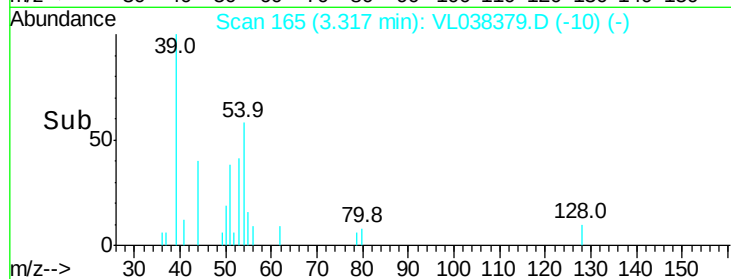
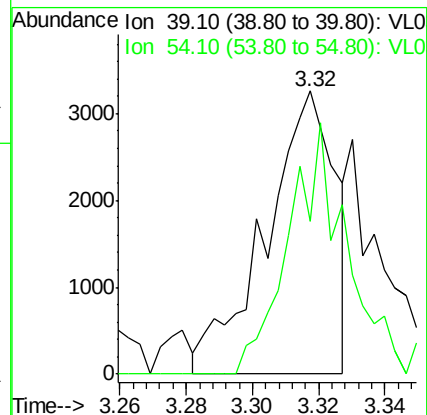
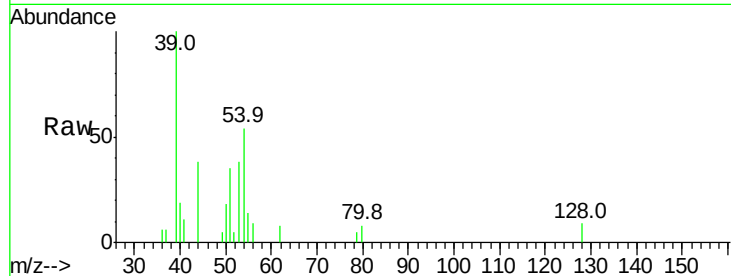
Acq: 22 Feb 2022 VSTDIC0.1

Tgt Ion: 39 Resp: 4729

Ion Ratio Lower Upper

39 100

54 83.5 60.3 90.5



#18

1,1-Dichloroethene

Concen: 0.05 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.00 min

Lab File: VL038379.D

Acq: 22 Feb 2022 6:40

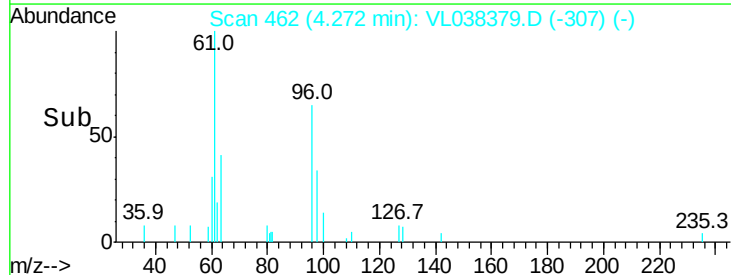
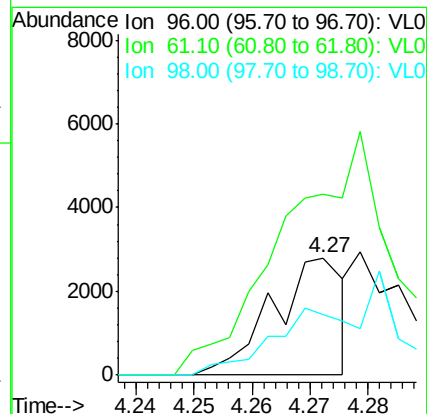
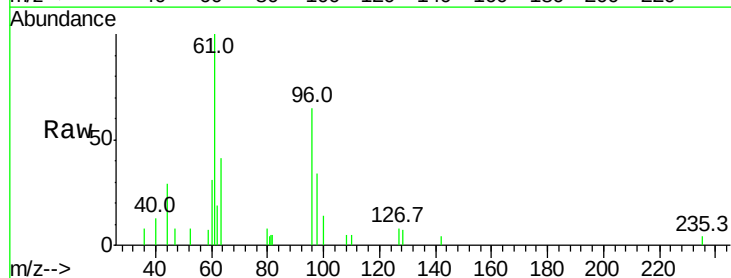
Tgt Ion: 96 Resp: 2372

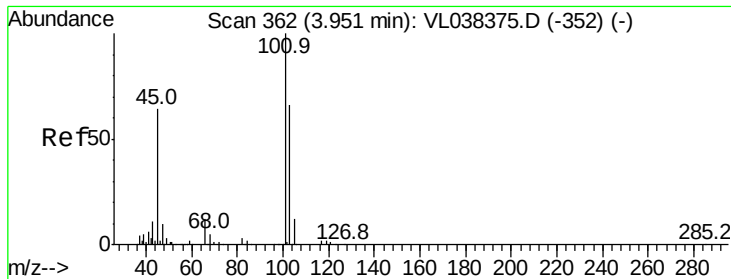
Ion Ratio Lower Upper

96 100

61 132.6 146.8 220.2#

98 51.8 51.5 77.3





#19

Isopropyl Alcohol

Concen: 0.03 ppbv

RT: 3.99 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

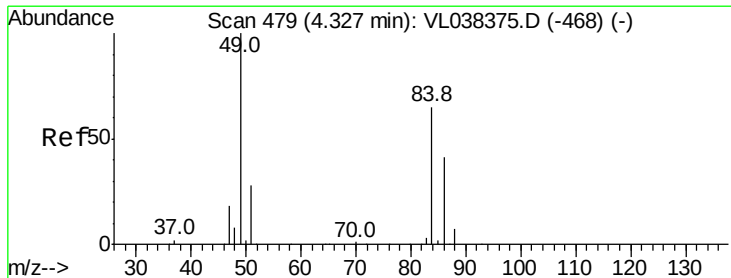
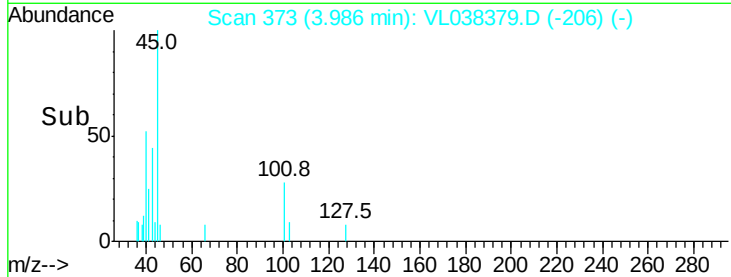
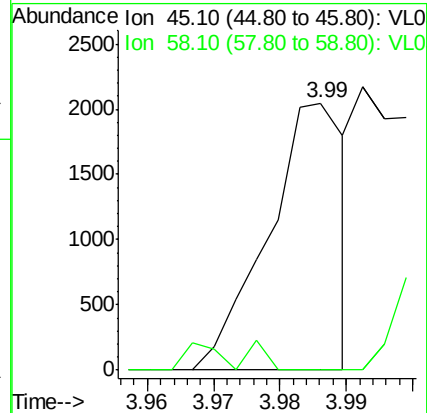
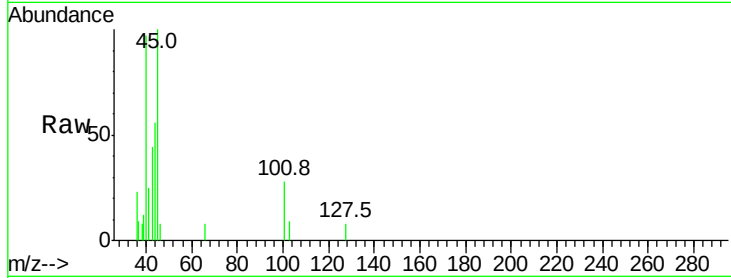
Acq: 22 Feb 2022 6:40

Tgt Ion: 45 Resp: 1654

Ion Ratio Lower Upper

45 100

58 39.1 1.8 2.8#



#20

Methylene Chloride

Concen: 0.13 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL038379.D

Acq: 22 Feb 2022 6:40

Tgt Ion: 84 Resp: 6098

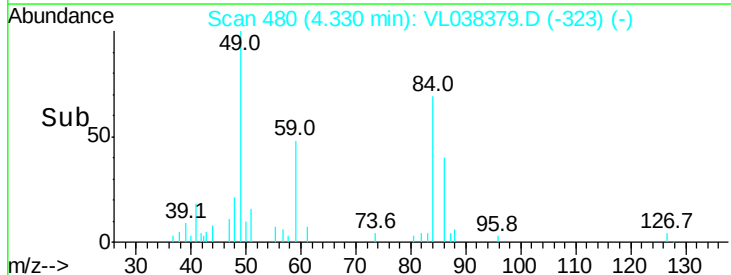
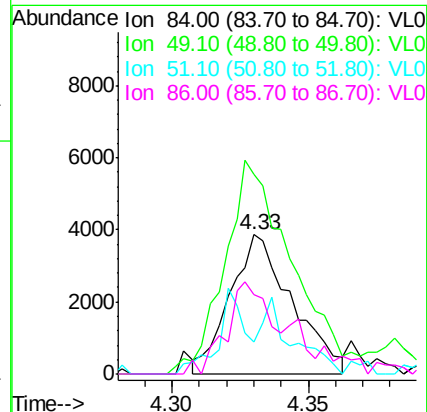
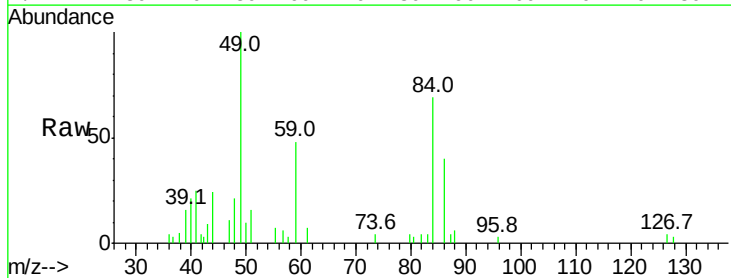
Ion Ratio Lower Upper

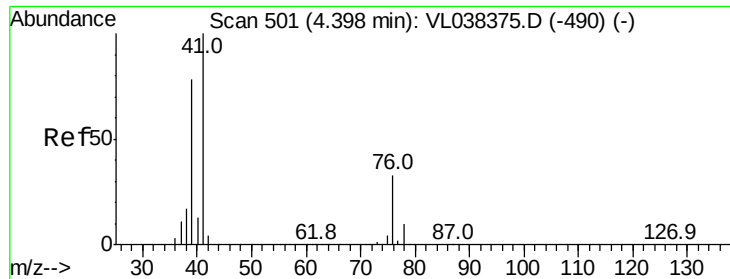
84 100

49 150.4 122.4 183.6

51 25.7 33.3 49.9#

86 53.1 50.7 76.1





#21

Allyl Chloride

Concen: 0.08 ppbv

RT: 4.40 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 22 Feb 2022 VSTDIC0.1

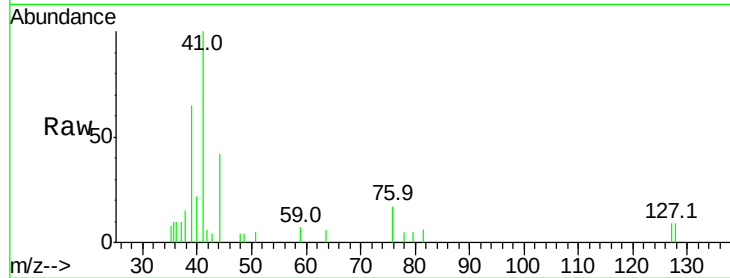
Tgt Ion: 41 Resp: 5454

Ion Ratio Lower Upper

41 100

76 30.9 25.4 38.0

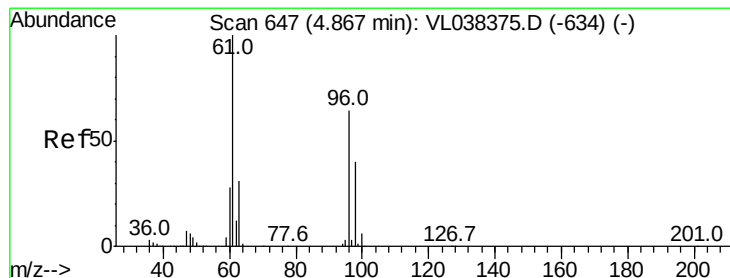
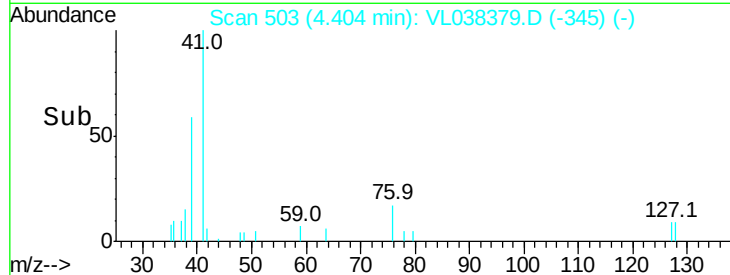
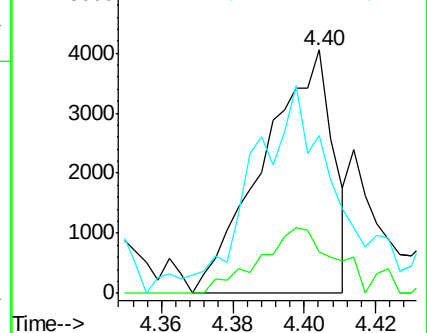
39 121.2 63.0 94.6#



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: 0.05 ppbv

RT: 4.87 min Scan# 647

Delta R.T. 0.00 min

Lab File: VL038379.D

Acq: 22 Feb 2022 6:40

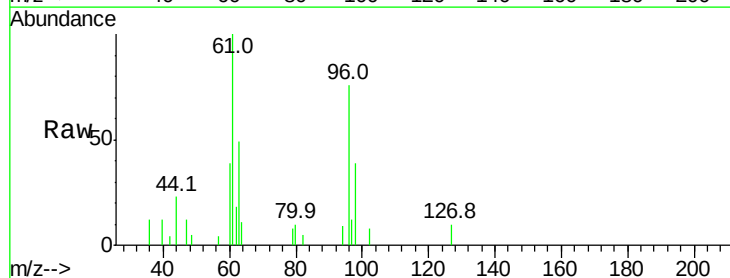
Tgt Ion: 96 Resp: 2520

Ion Ratio Lower Upper

96 100

61 131.8 124.2 186.4

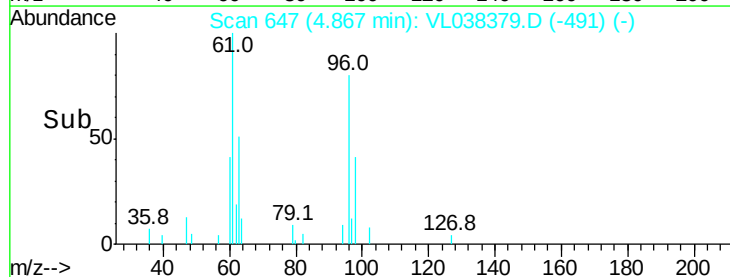
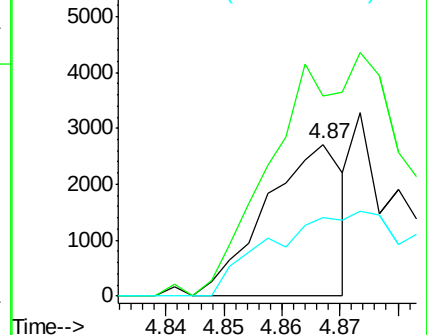
98 51.7 49.1 73.7

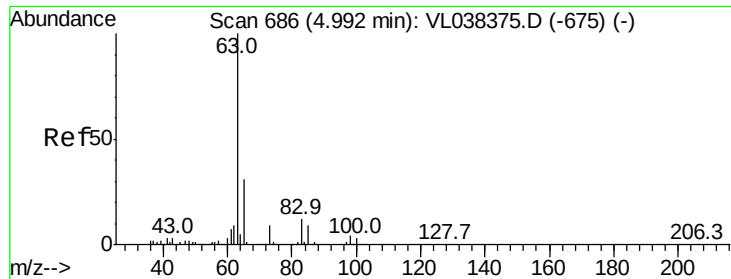


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

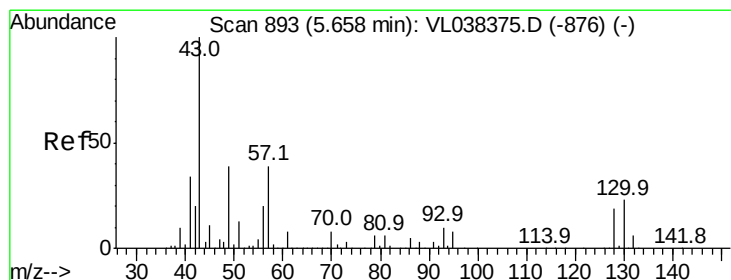
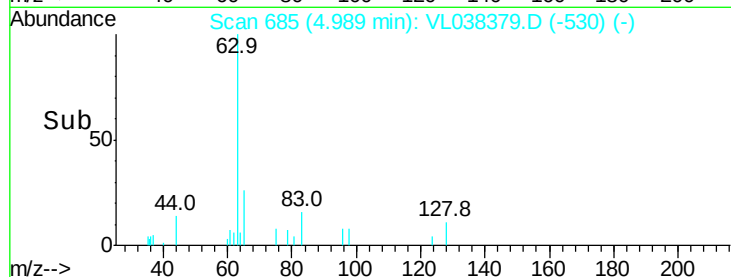
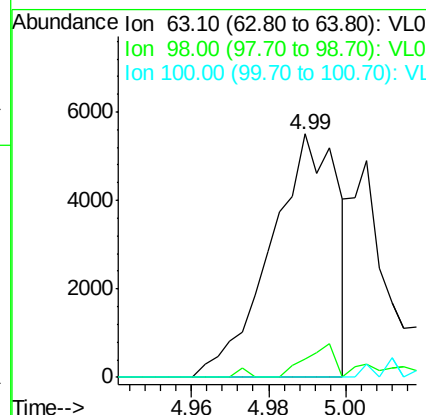
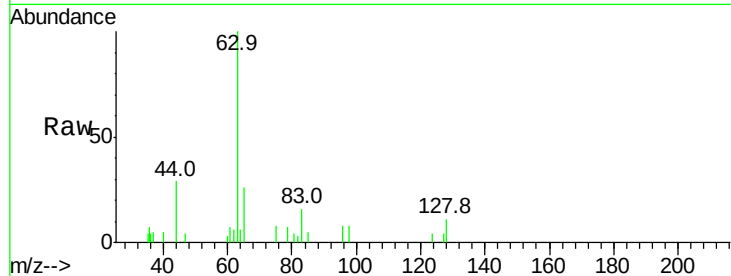
Ion 98.00 (97.70 to 98.70): VL0





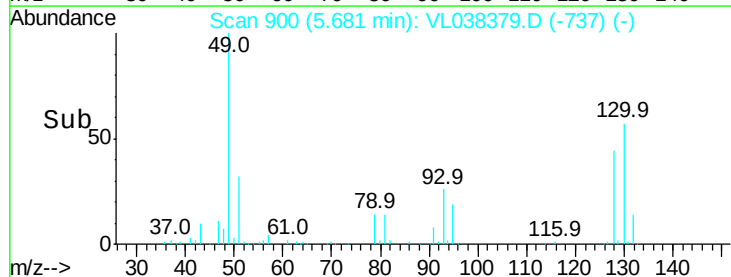
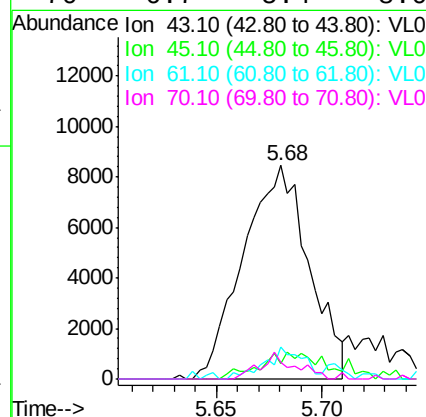
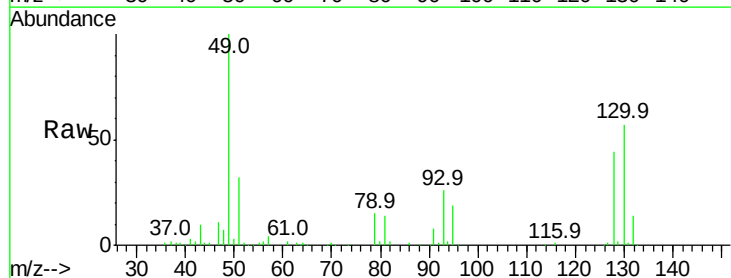
#24
 1,1-Dichloroethane
 Concen: 0.06 ppbv
 RT: 4.99
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId:
 VSTDIC0.1
 Acq: 22 Feb 2022 6:40

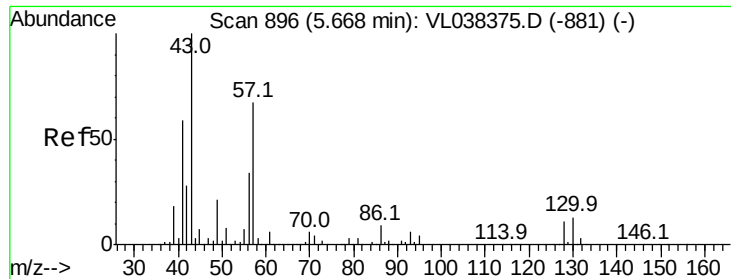
Tgt Ion: 63 Resp: 6648
 Ion Ratio Lower Upper
 63 100
 98 7.7 2.1 6.5#
 100 0.0 1.4 4.2#



#25
 Ethyl Acetate
 Concen: 0.08 ppbv
 RT: 5.68 min Scan# 900
 Delta R.T. 0.02 min
 Lab File: VL038379.D
 Acq: 22 Feb 2022 6:40

Tgt Ion: 43 Resp: 18287
 Ion Ratio Lower Upper
 43 100
 45 12.9 7.8 11.6#
 61 11.9 7.5 11.3#
 70 6.7 5.4 8.0





#26

Hexane

Concen: 0.08 ppbv

RT: 5.66 Instrument: MSVOA_1

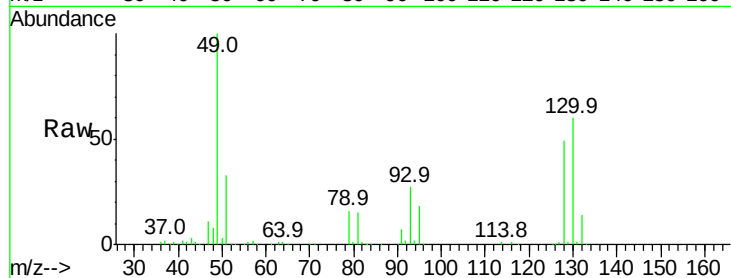
Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC01

Acq: 22 Feb 2022 6:40

Tgt Ion: 57 Resp: 8537

Ion	Ratio	Lower	Upper
57	100		
41	107.1	73.1	109.7
43	0.0	181.0	271.4#
56	67.5	43.4	65.0#

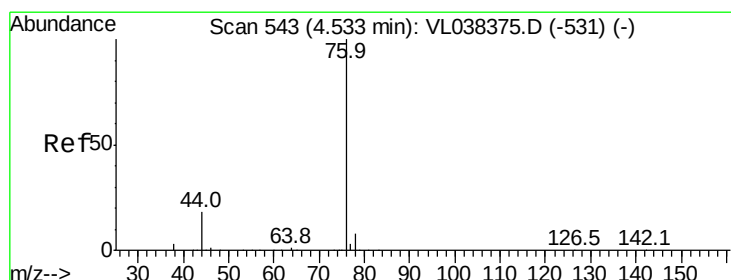
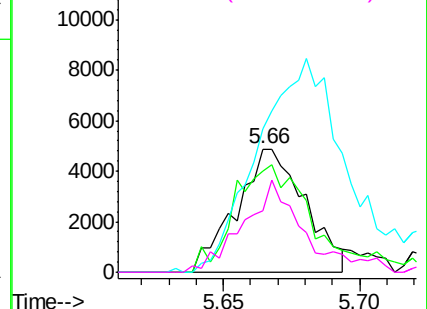
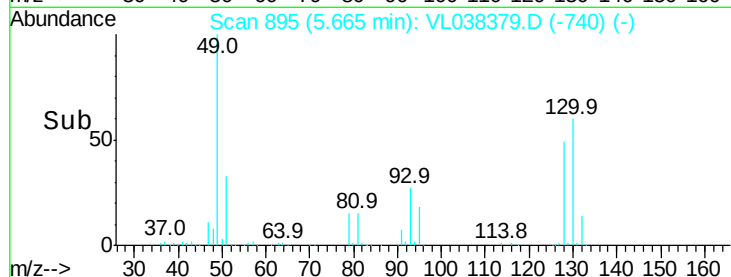


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.06 ppbv

RT: 4.54 min Scan# 544

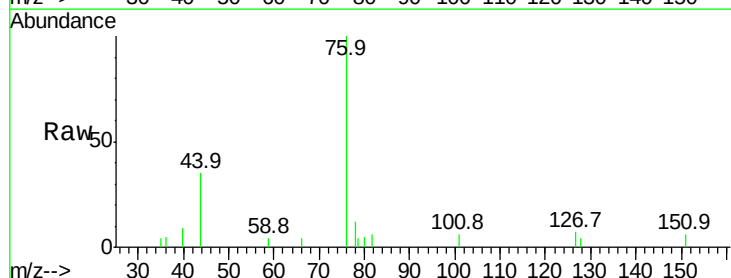
Delta R.T. 0.00 min

Lab File: VL038379.D

Acq: 22 Feb 2022 6:40

Tgt Ion: 76 Resp: 7846

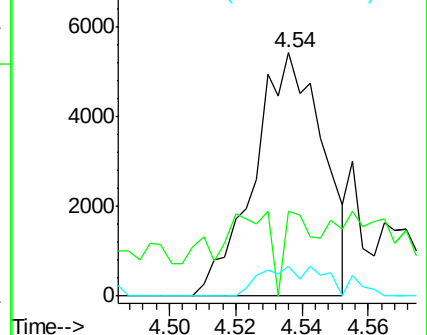
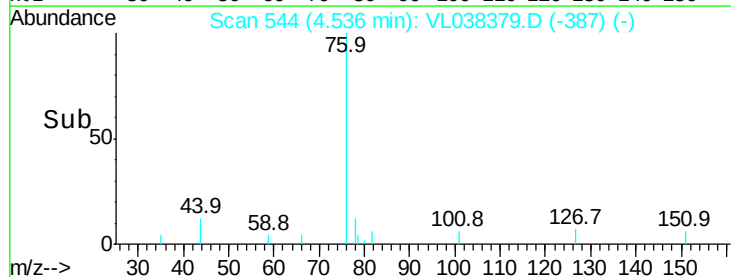
Ion	Ratio	Lower	Upper
76	100		
44	28.0	14.2	21.2#
78	13.0	7.8	11.6#

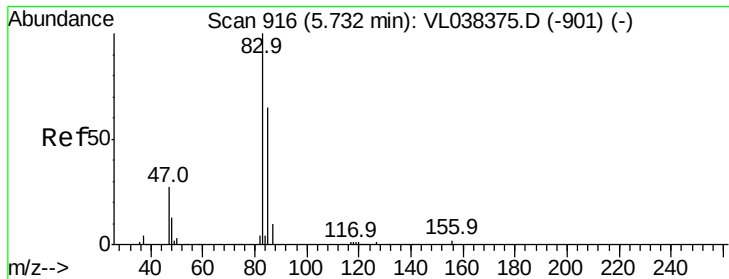


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

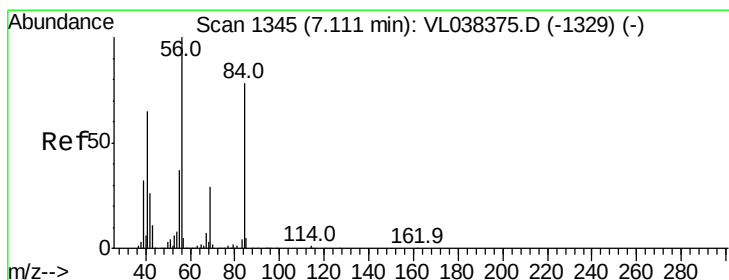
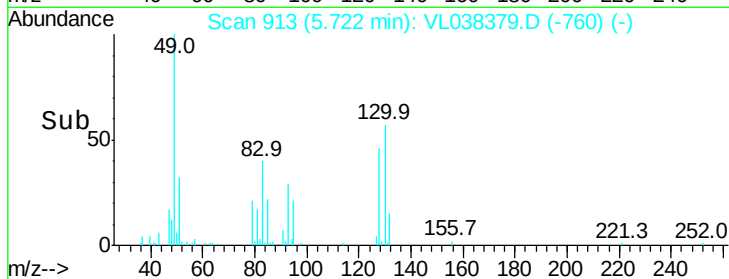
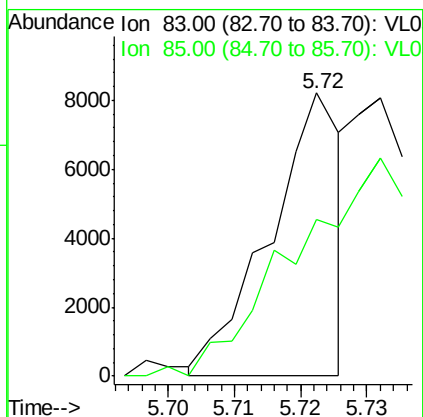
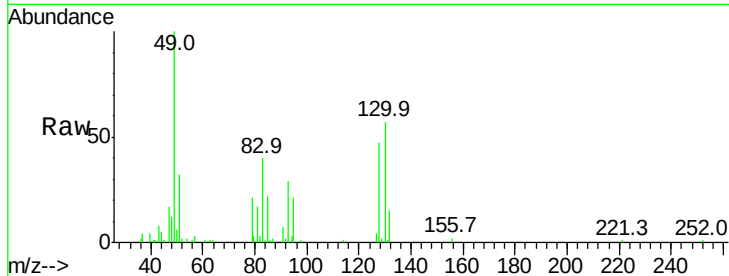
Ion 78.00 (77.70 to 78.70): VL0





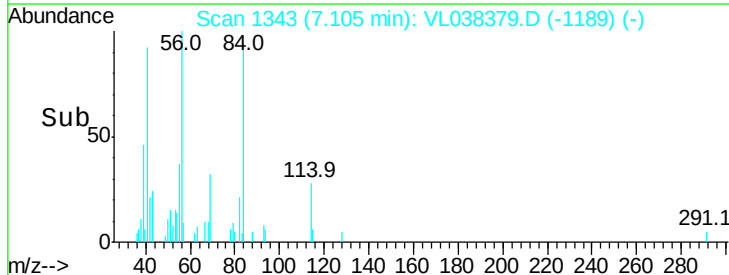
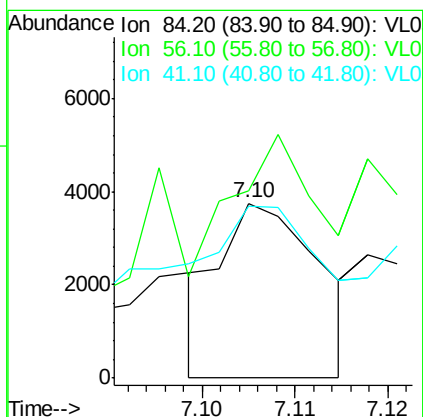
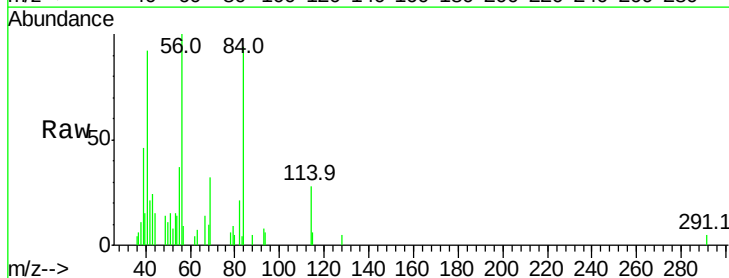
#29
Chloroform
Concen: 0.04 ppbv
RT: 5.72 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC0.1
Acq: 22 Feb 2022 6:40

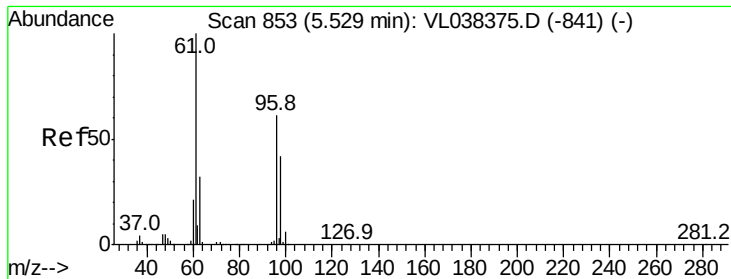
Tgt Ion: 83 Resp: 6169
Ion Ratio Lower Upper
83 100
85 57.1 51.6 77.4



#30
Cyclohexane
Concen: 0.03 ppbv
RT: 7.10 min Scan# 1343
Delta R.T. -0.01 min
Lab File: VL038379.D
Acq: 22 Feb 2022 6:40

Tgt Ion: 84 Resp: 2775
Ion Ratio Lower Upper
84 100
56 0.0 116.2 174.4#
41 277.0 74.3 111.5#





#31

cis-1,2-Dichloroethene

Concen: 0.07 ppbv

RT: 5.53 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 22 Feb 2022 6:40 VSTDIC0.1

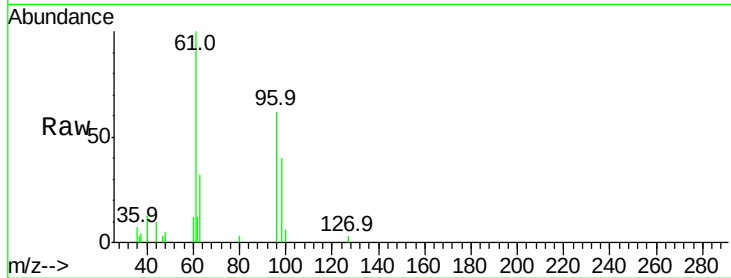
Tgt Ion: 61 Resp: 7169

Ion Ratio Lower Upper

61 100

96 61.5 48.6 73.0

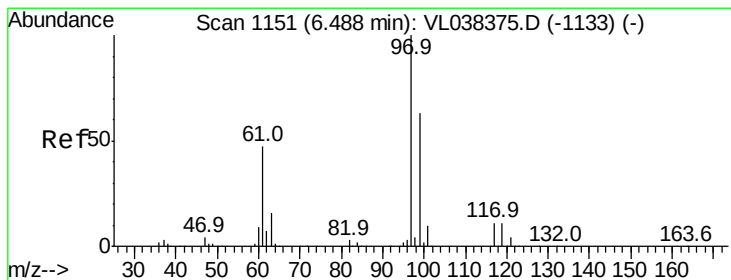
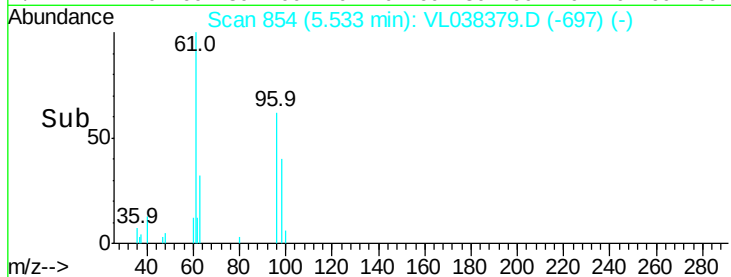
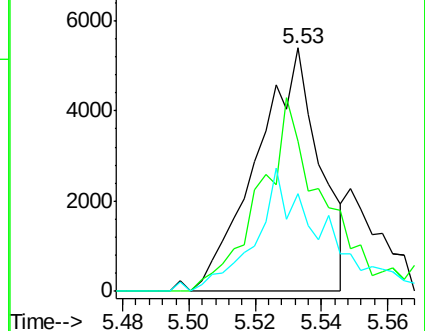
98 40.3 33.2 49.8



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.09 ppbv

RT: 6.49 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VL038379.D

Acq: 22 Feb 2022 6:40

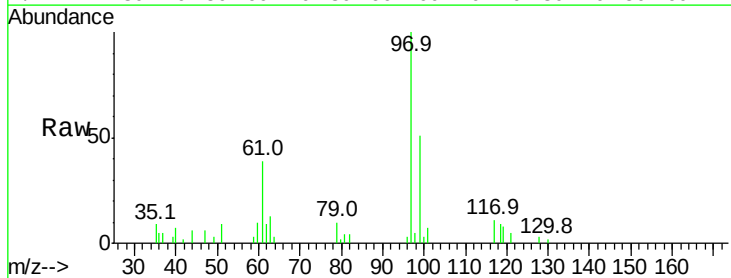
Tgt Ion: 97 Resp: 15112

Ion Ratio Lower Upper

97 100

99 64.9 51.9 77.9

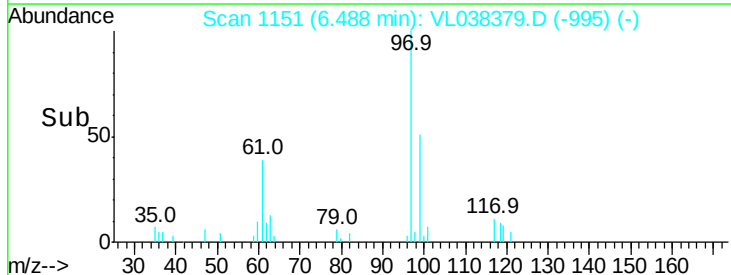
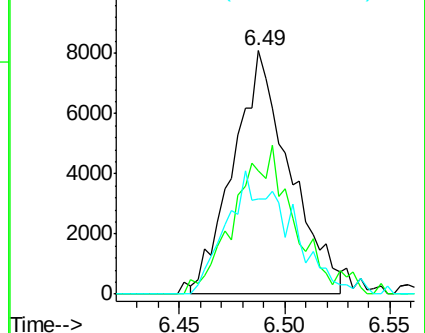
61 57.3 40.5 60.7

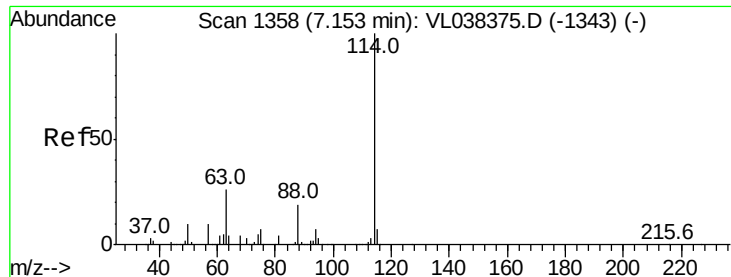


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

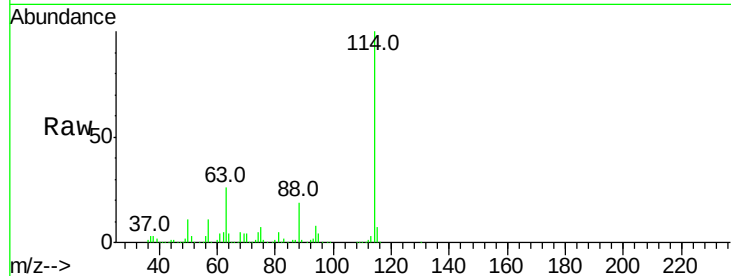
Ion 61.10 (60.80 to 61.80): VL0



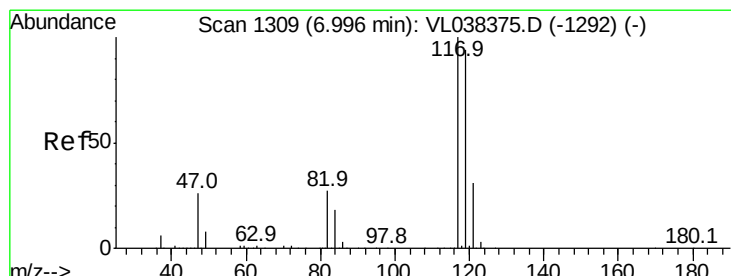
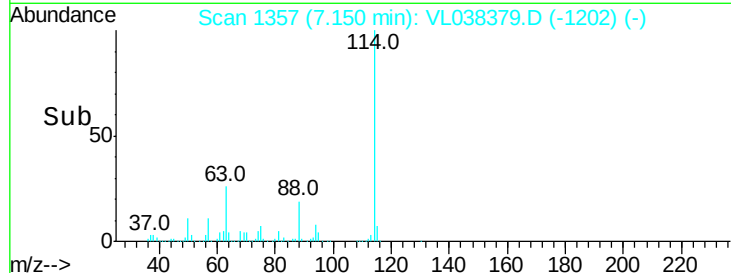
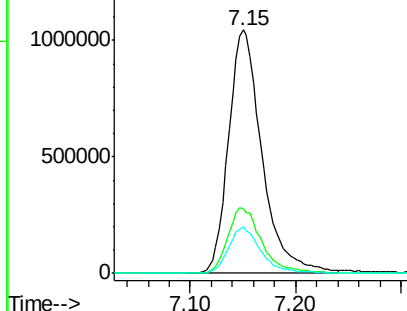


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC0.1
 Acq: 22 Feb 2022 6:40

Tgt Ion:114 Resp: 2296540
 Ion Ratio Lower Upper
 114 100
 63 27.7 22.2 33.2
 88 18.8 15.2 22.8

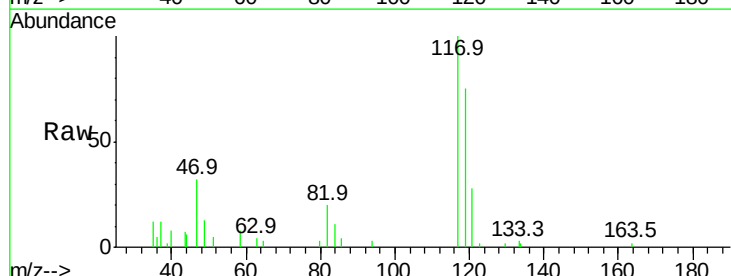


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): V
 Ion 88.10 (87.80 to 88.80): V

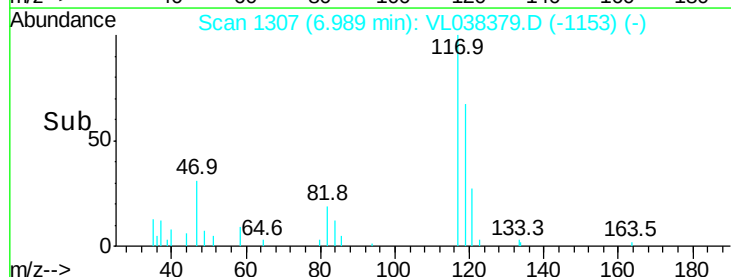
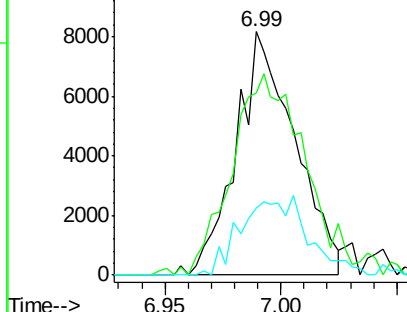


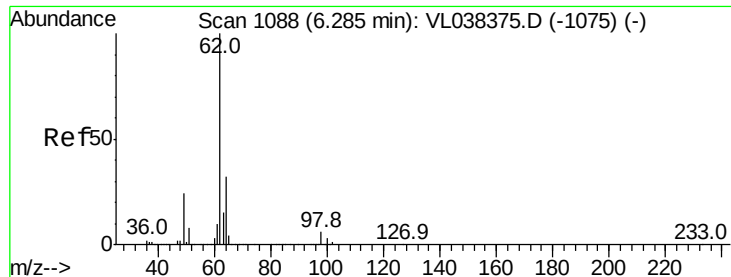
#35
 Carbon Tetrachloride
 Concen: 0.09 ppbv
 RT: 6.99 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: VL038379.D
 Acq: 22 Feb 2022 6:40

Tgt Ion:117 Resp: 14393
 Ion Ratio Lower Upper
 117 100
 119 74.8 74.9 112.3#
 121 27.5 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





#37

1,2-Dichloroethane

Concen: 0.06 ppbv

RT: 6.29 Instrument: MSVOA_1

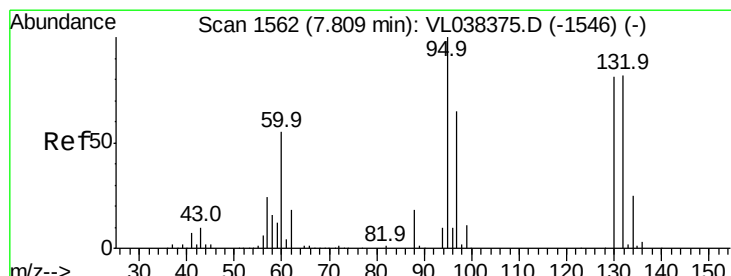
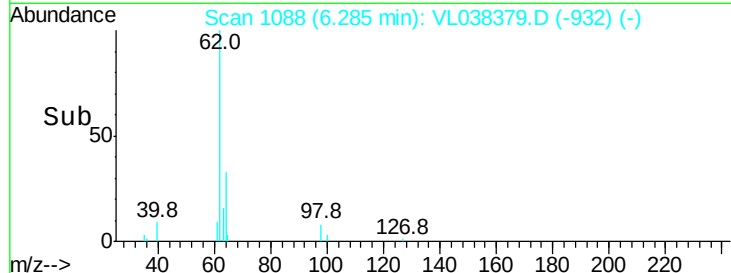
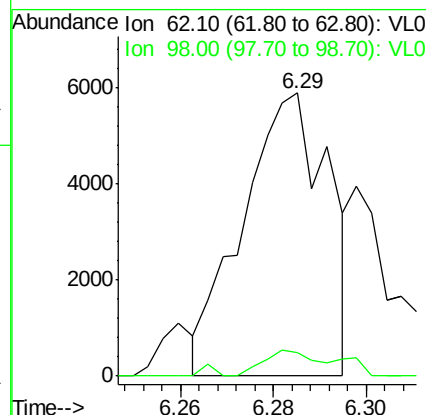
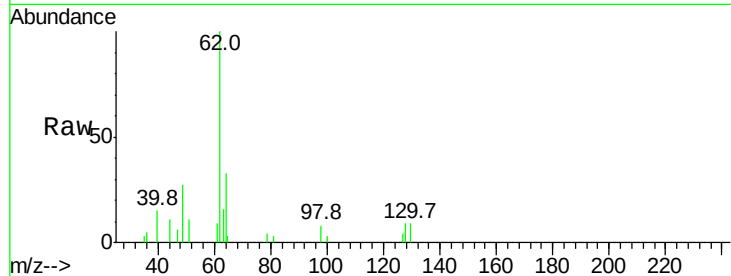
Delta R.T. ClientSampleId:

Lab File: VSTDIC0.1

Acq: 22 Feb 2022 6:40

Tgt Ion: 62 Resp: 7564

Ion	Ratio	Lower	Upper
62	100		
98	9.5	4.6	7.0#



#38

Trichloroethene

Concen: 0.08 ppbv

RT: 7.82 min Scan# 1564

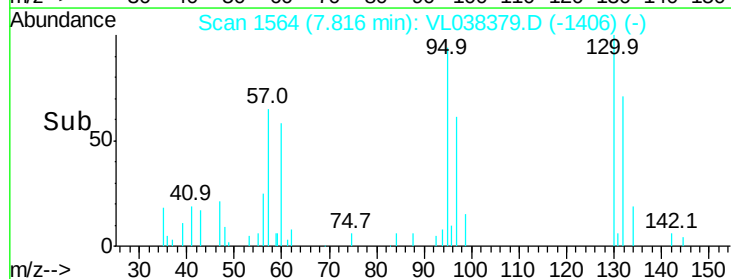
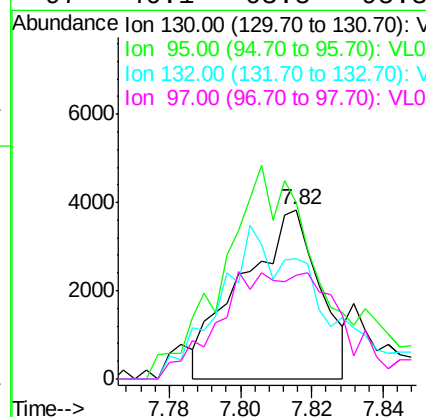
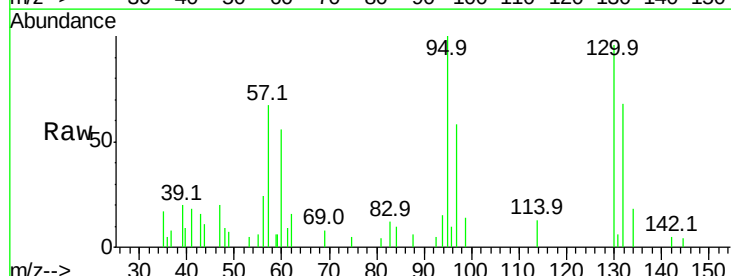
Delta R.T. 0.01 min

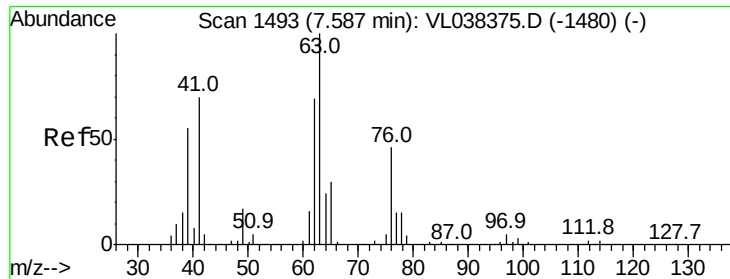
Lab File: VL038379.D

Acq: 22 Feb 2022 6:40

Tgt Ion: 130 Resp: 5759

Ion	Ratio	Lower	Upper
130	100		
95	94.8	98.1	147.1#
132	49.6	80.3	120.5#
97	46.1	63.5	95.3#





#39

1,2-Dichloropropane

Concen: 7.59 ppbv

RT: 7.15 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 22 Feb 2022 6:40

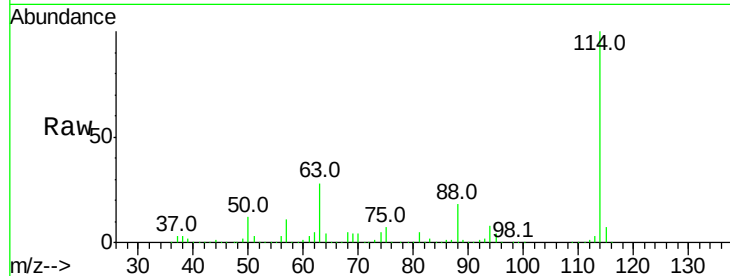
Tgt Ion: 63 Resp: 624870

Ion Ratio Lower Upper

63 100

41 0.2 56.1 84.1#

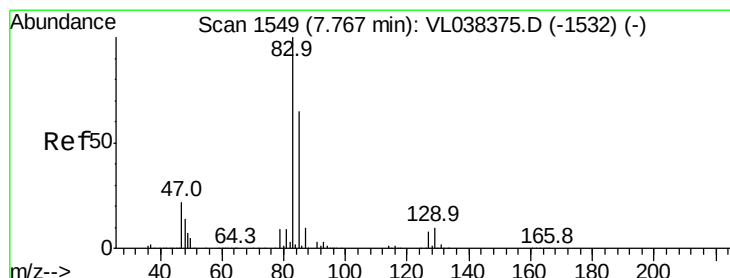
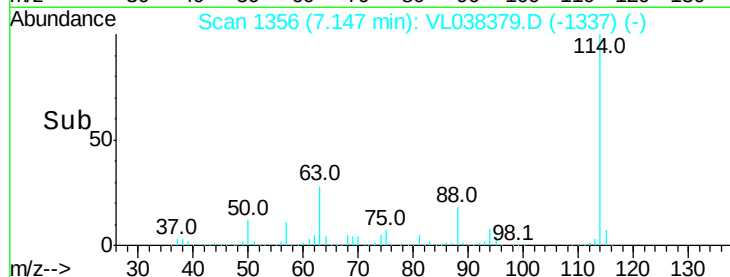
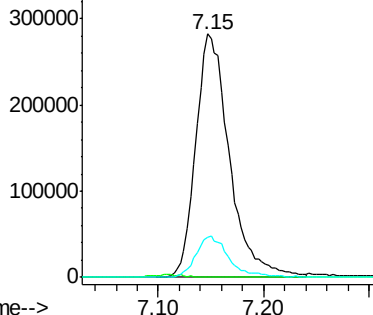
62 16.7 55.5 83.3#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#42

Bromodichloromethane

Concen: 0.04 ppbv

RT: 7.76 min Scan# 1547

Delta R.T. -0.01 min

Lab File: VL038379.D

Acq: 22 Feb 2022 6:40

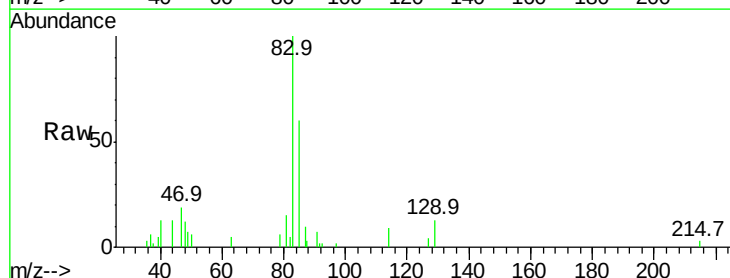
Tgt Ion: 83 Resp: 7243

Ion Ratio Lower Upper

83 100

85 62.0 52.2 78.4

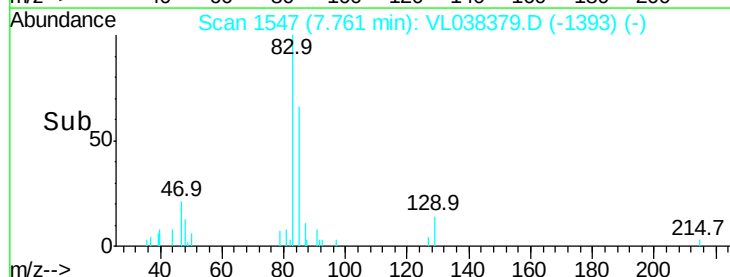
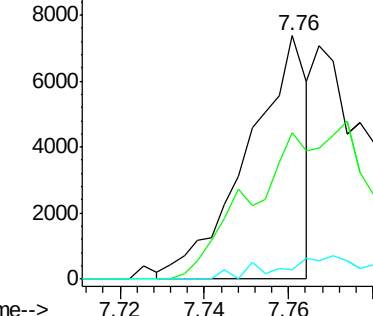
127 3.8 6.2 9.4#

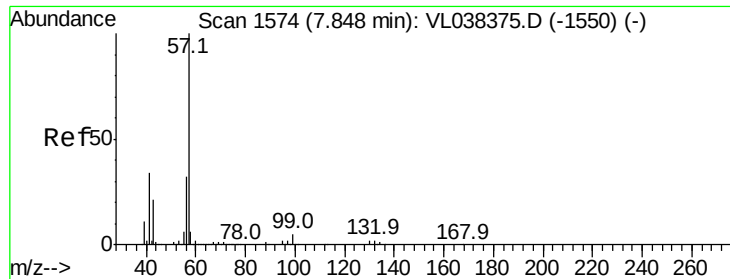


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#44

2,2,4-Trimethylpentane

Concen: 0.09 ppbv

RT: 7.84 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 22 Feb 2022 6:40 VSTDIC0.1

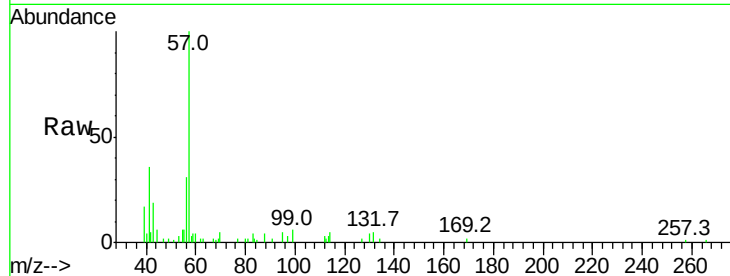
Tgt Ion: 57 Resp: 32777

Ion Ratio Lower Upper

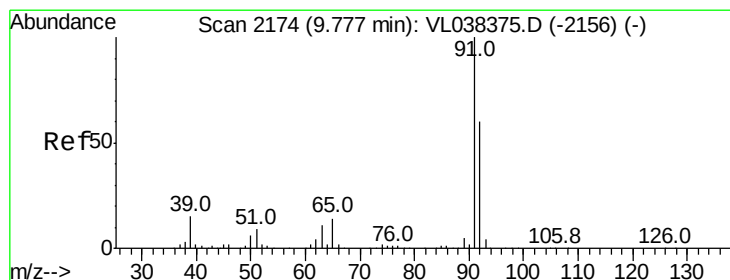
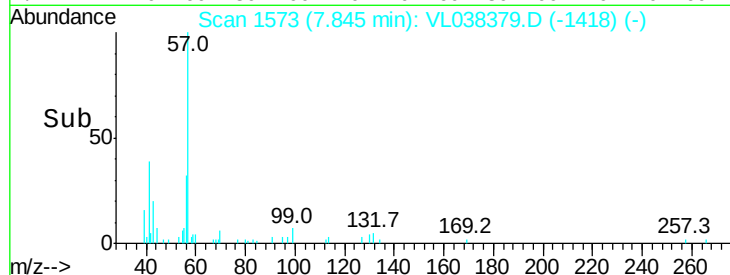
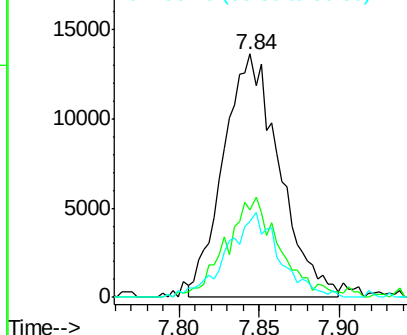
57 100

41 40.8 26.6 39.8#

56 32.6 25.0 37.6



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



#53

Toluene

Concen: 0.06 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VL038379.D

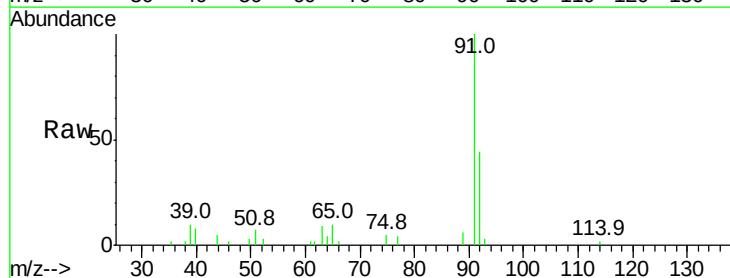
Acq: 22 Feb 2022 6:40

Tgt Ion: 91 Resp: 12701

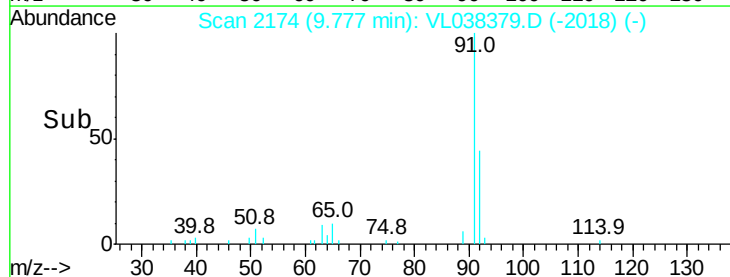
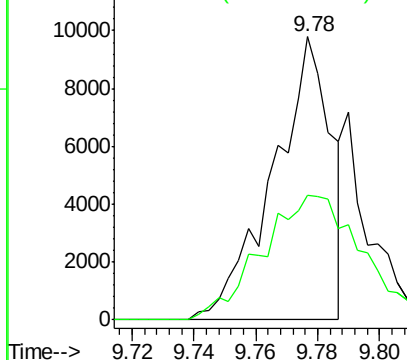
Ion Ratio Lower Upper

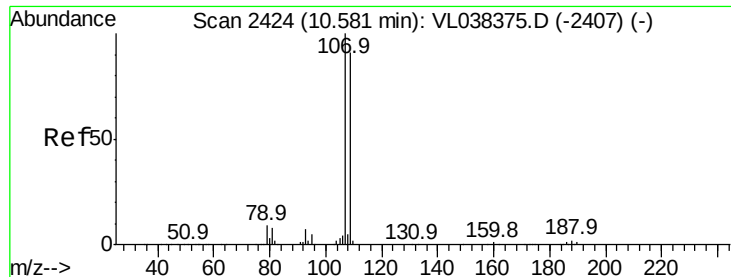
91 100

92 79.2 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: 0.07 ppbv

RT: 10.58

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDIC0.1

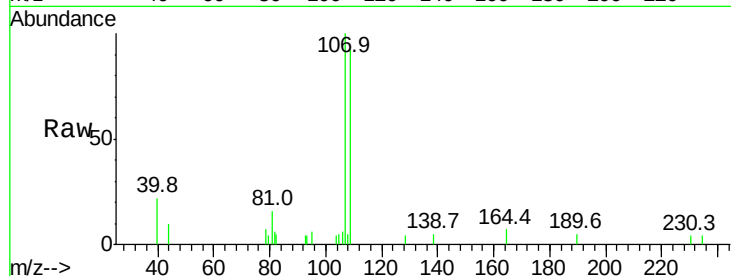
Acq: 22 Feb 2022 6:40

Tgt Ion:107 Resp: 8560

Ion Ratio Lower Upper

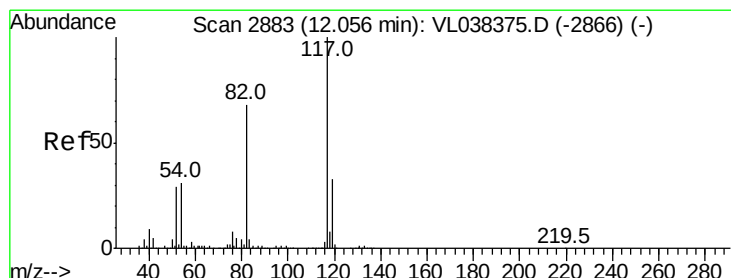
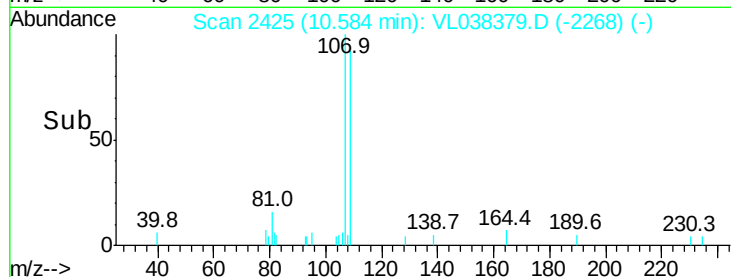
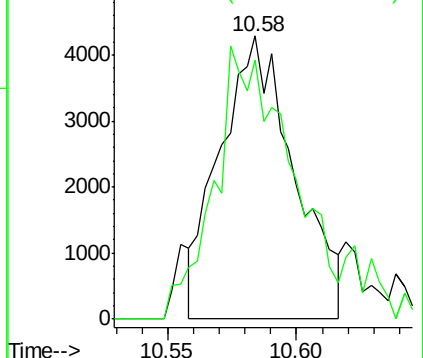
107 100

109 102.4 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: 12.05 min Scan# 2882

Delta R.T. -0.00 min

Lab File: VL038379.D

Acq: 22 Feb 2022 6:40

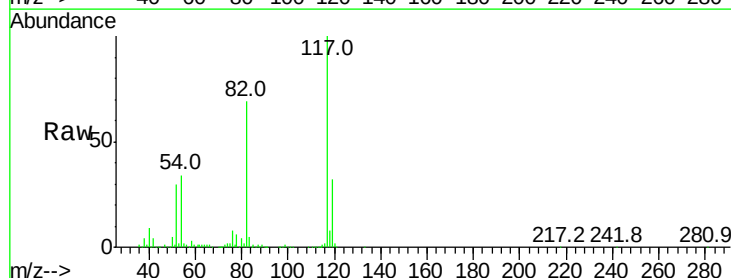
Tgt Ion:117 Resp: 2002257

Ion Ratio Lower Upper

117 100

82 72.7 54.9 82.3

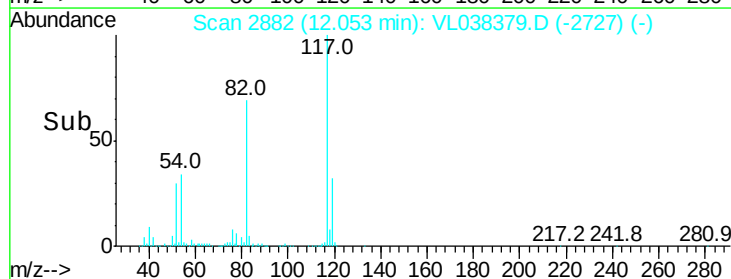
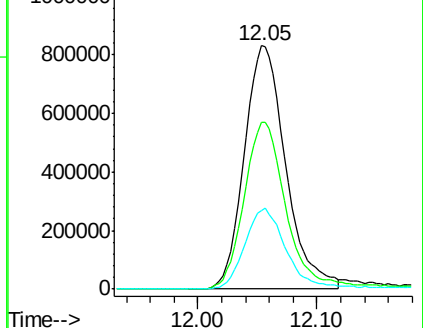
119 33.6 46.1 69.1#

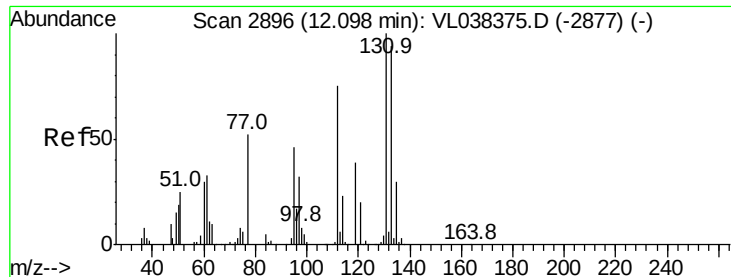


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

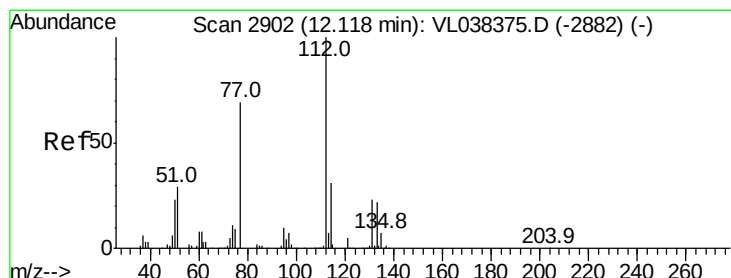
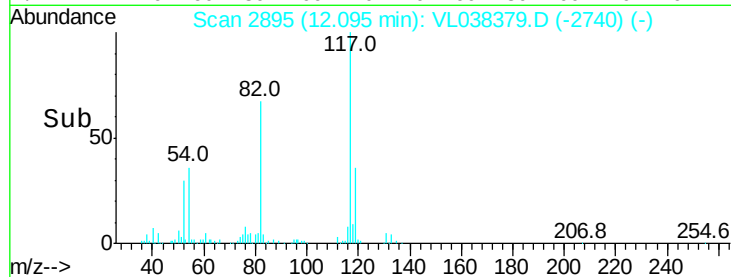
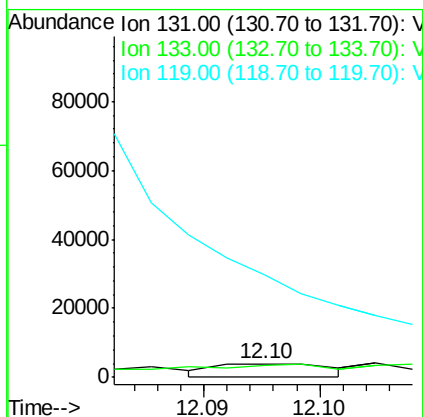
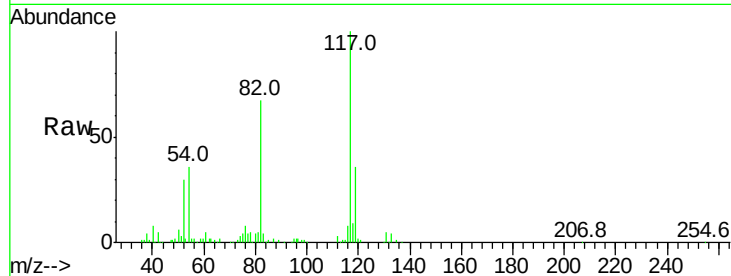
Ion 119.10 (118.80 to 119.80): V





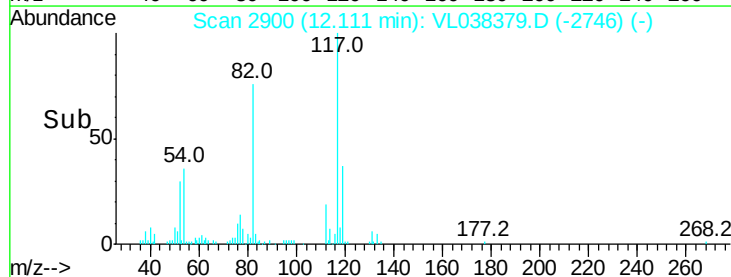
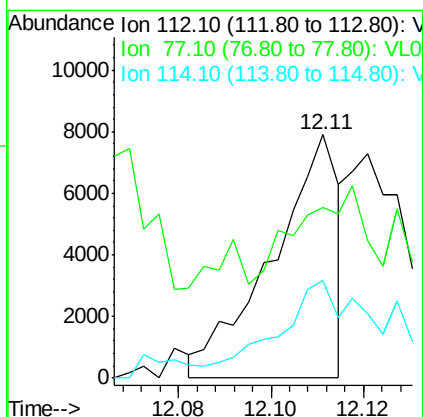
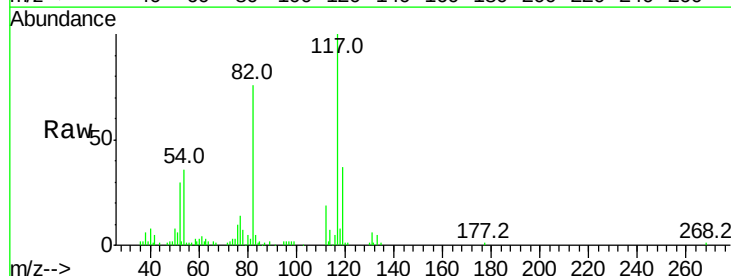
#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.03 ppbv
 RT: 12.10 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDIC0.1
 Acq: 22 Feb 2022 6:40

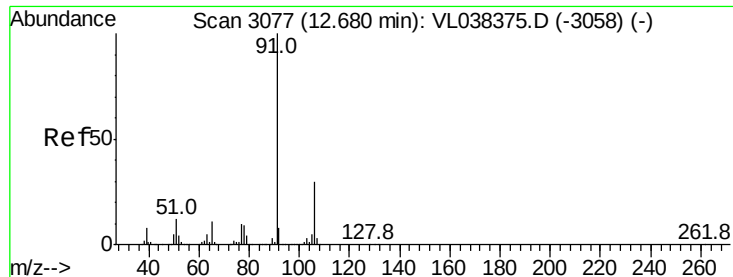
Tgt Ion:131 Resp: 2686
 Ion Ratio Lower Upper
 131 100
 133 0.0 77.3 115.9#
 119 0.0 48.6 73.0#



#57
 Chlorobenzene
 Concen: 0.05 ppbv
 RT: 12.11 min Scan# 2900
 Delta R.T. -0.01 min
 Lab File: VL038379.D
 Acq: 22 Feb 2022 6:40

Tgt Ion:112 Resp: 7854
 Ion Ratio Lower Upper
 112 100
 77 37.6 55.2 82.8#
 114 39.7 27.9 34.1#





#58

Ethyl Benzene

Concen: 0.04 ppbv

RT: 12.68

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

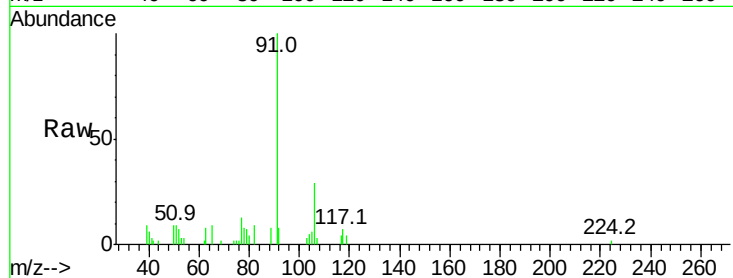
Acq: 22 Feb 2022 6:40

Tgt Ion: 91 Resp: 10947

Ion Ratio Lower Upper

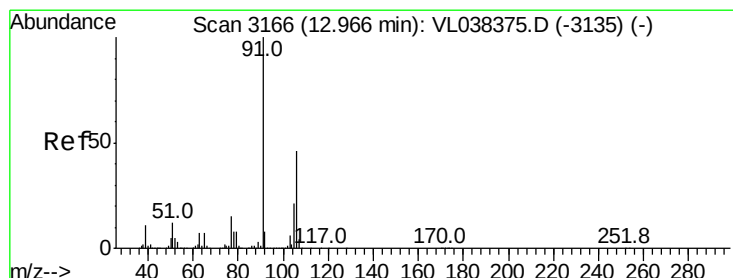
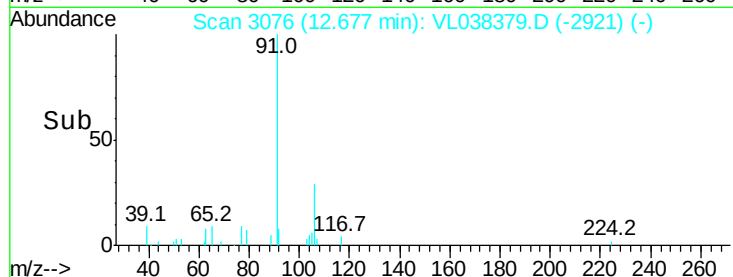
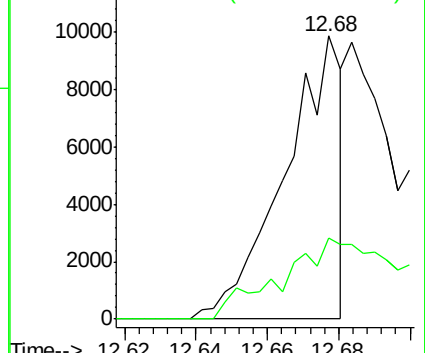
91 100

106 26.8 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: 0.05 ppbv

RT: 12.96 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VL038379.D

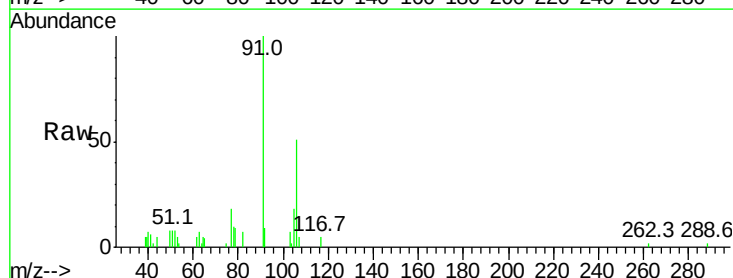
Acq: 22 Feb 2022 6:40

Tgt Ion: 91 Resp: 13489

Ion Ratio Lower Upper

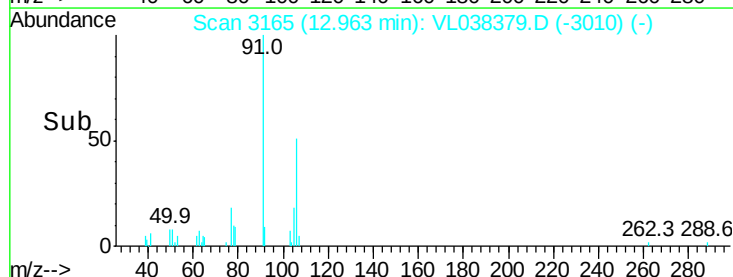
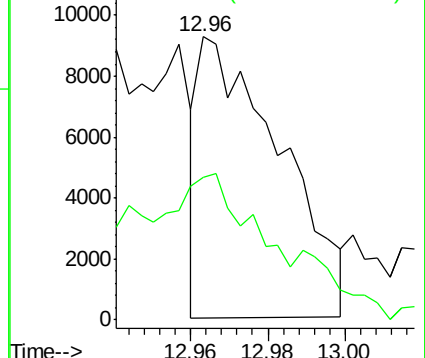
91 100

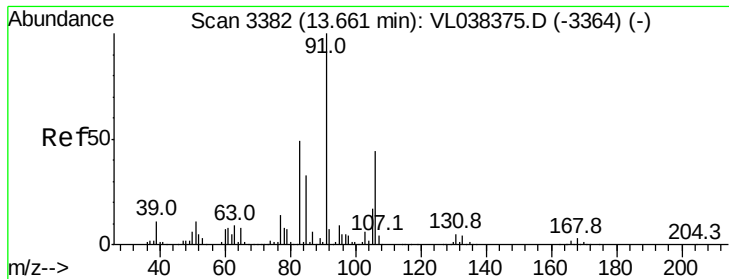
106 0.0 34.4 51.6#



Abundance Ion 91.10 (90.80 to 91.80): VL0

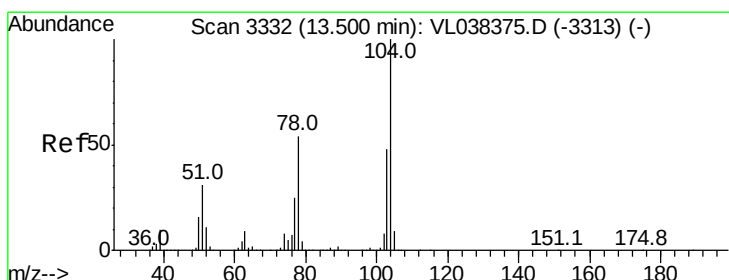
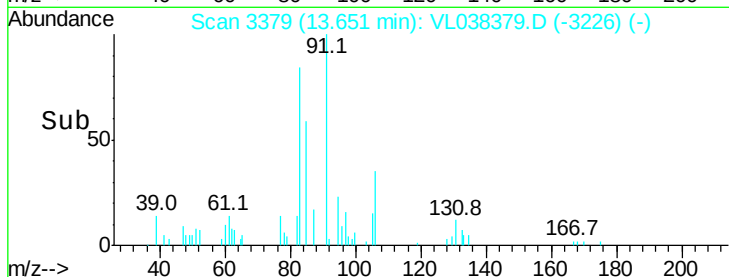
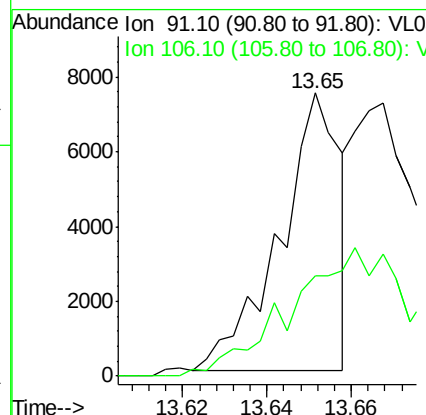
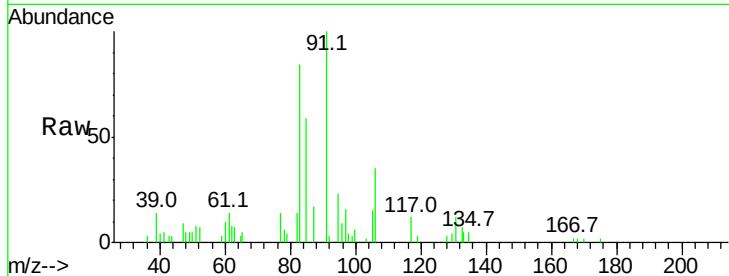
Ion 106.10 (105.80 to 106.80): V





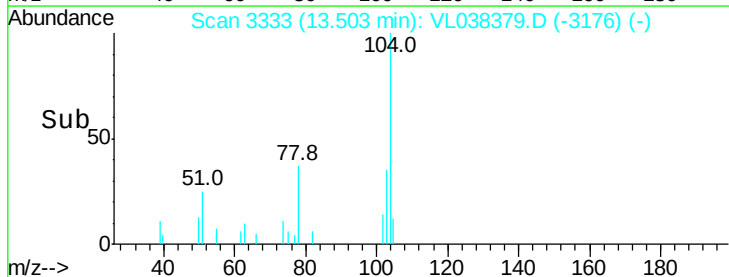
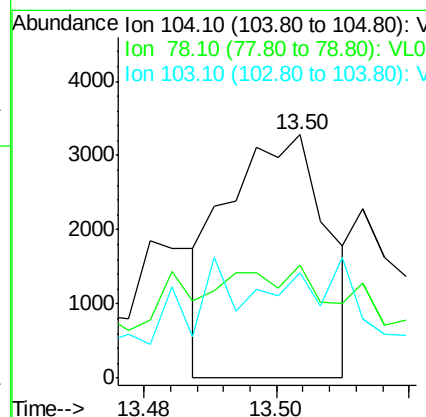
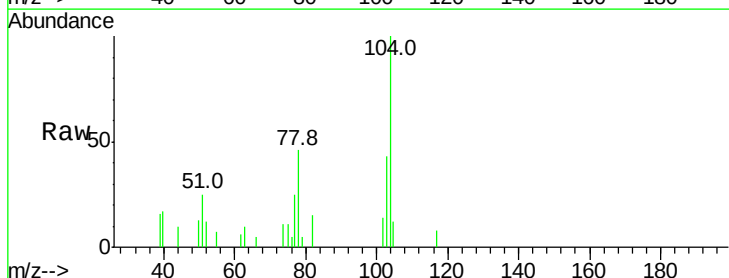
#60
o-Xylene
Concen: 0.03 ppbv
RT: 13.65
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 22 Feb 2022 0.40

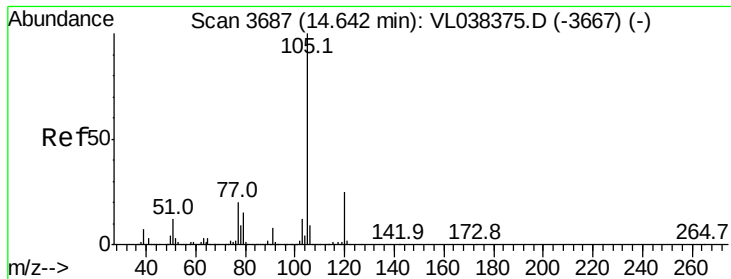
Tgt Ion: 91 Resp: 7363
Ion Ratio Lower Upper
91 100
106 0.0 21.9 65.5#



#61
Styrene
Concen: 0.03 ppbv
RT: 13.50 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VL038379.D
Acq: 22 Feb 2022 6:40

Tgt Ion: 104 Resp: 3463
Ion Ratio Lower Upper
104 100
78 126.7 44.2 66.4#
103 0.0 38.4 57.6#





#62

Isopropylbenzene

Concen: 0.06 ppbv

RT: 14.64 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

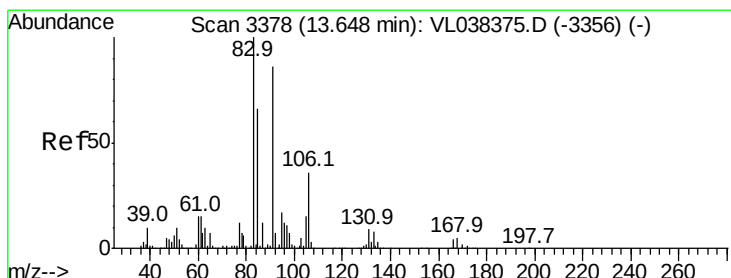
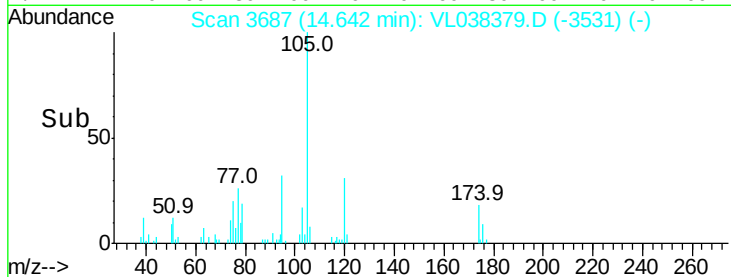
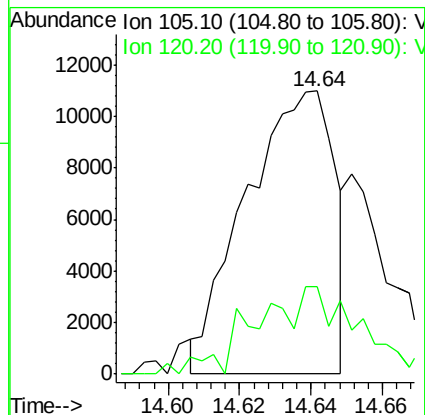
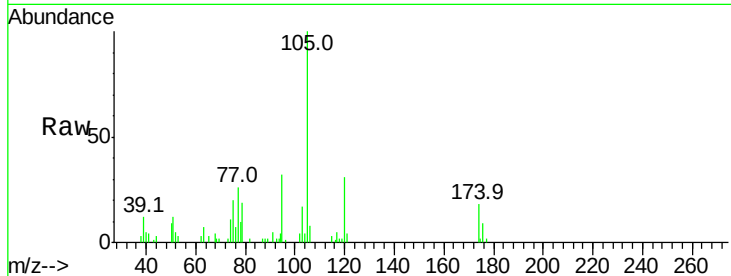
Acq: 22 Feb 2022 0.40

Tgt Ion: 105 Resp: 18941

Ion Ratio Lower Upper

105 100

120 37.3 20.6 30.8#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.04 ppbv

RT: 13.64 min Scan# 3377

Delta R.T. -0.00 min

Lab File: VL038379.D

Acq: 22 Feb 2022 6:40

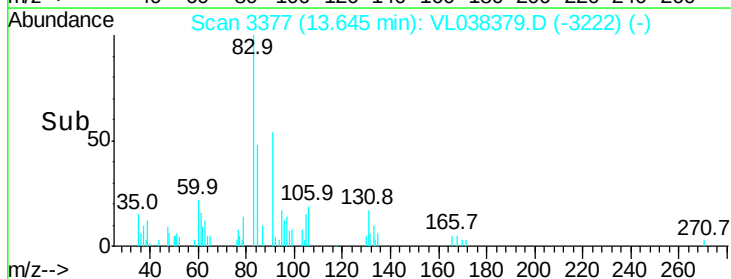
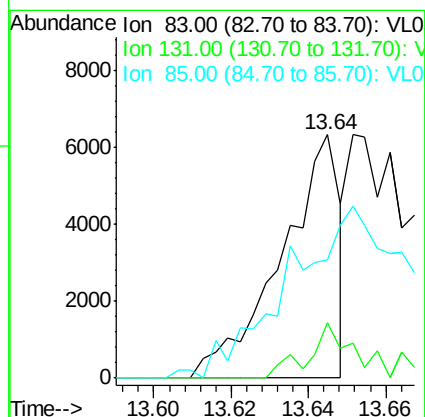
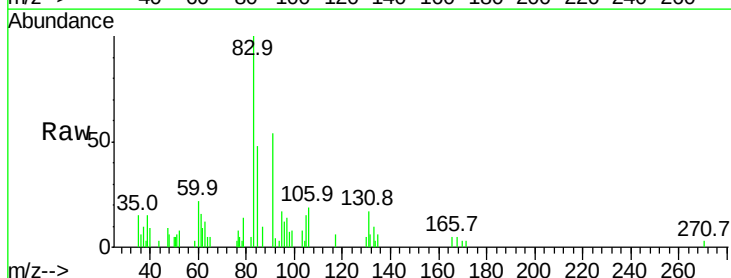
Tgt Ion: 83 Resp: 6658

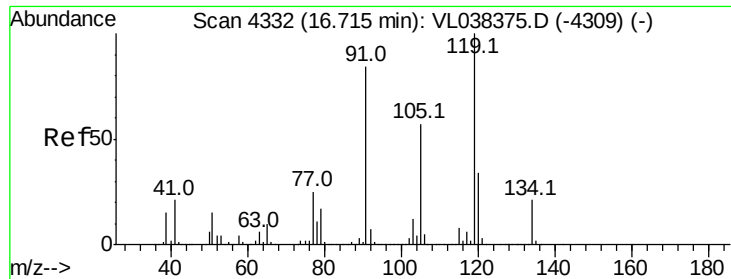
Ion Ratio Lower Upper

83 100

131 23.2 4.5 13.7#

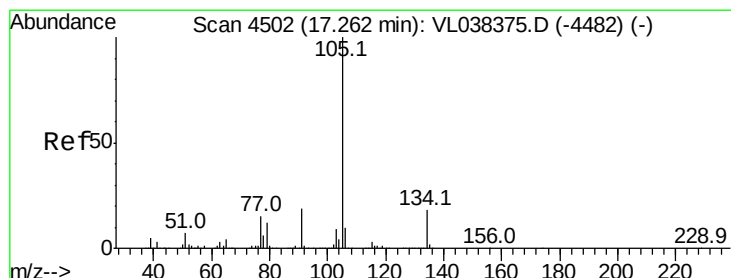
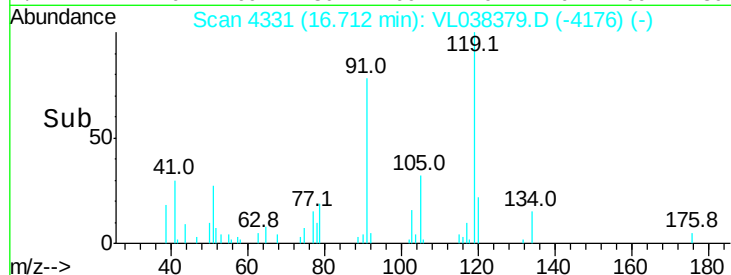
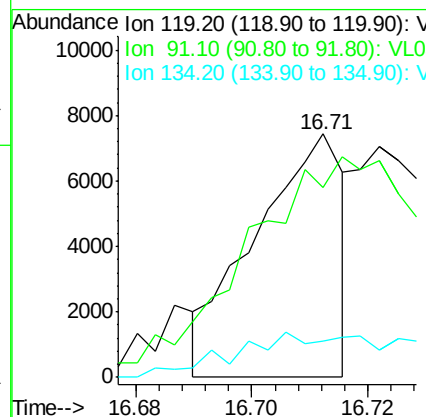
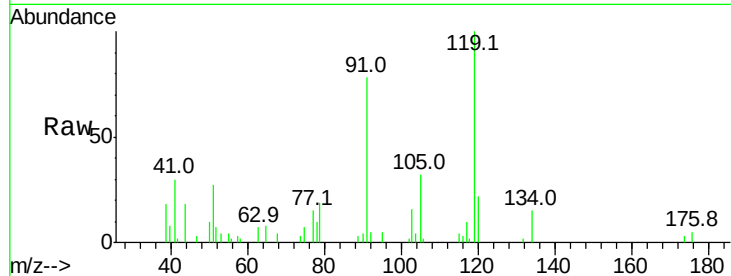
85 0.0 33.0 99.0#





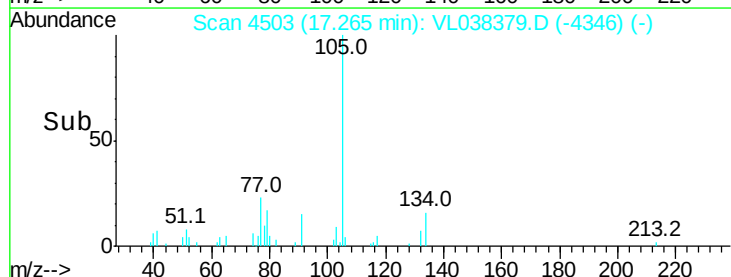
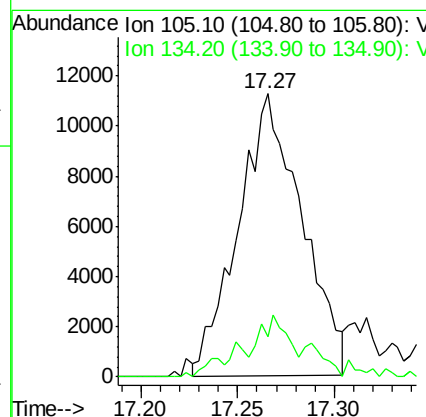
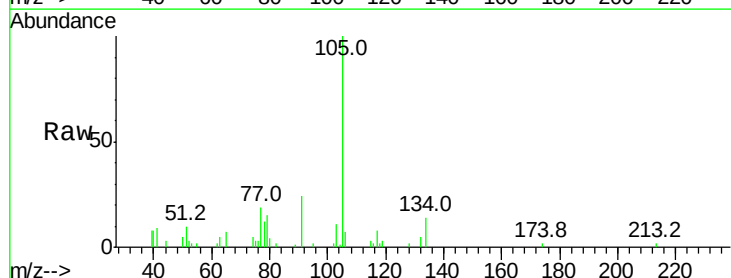
#65
 tert-Butylbenzene
 Concen: 0.03 ppbv
 RT: 16.71 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDIC0.1
 Acq: 22 Feb 2022 6:40

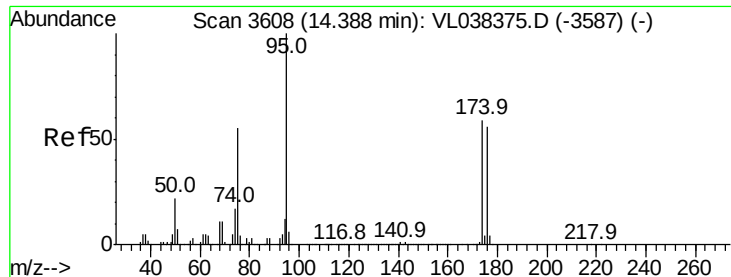
Tgt Ion:119 Resp: 7863
 Ion Ratio Lower Upper
 119 100
 91 259.9 68.0 102.0#
 134 0.0 15.8 23.8#



#67
 sec-Butylbenzene
 Concen: 0.07 ppbv
 RT: 17.27 min Scan# 4503
 Delta R.T. 0.00 min
 Lab File: VL038379.D
 Acq: 22 Feb 2022 6:40

Tgt Ion:105 Resp: 25806
 Ion Ratio Lower Upper
 105 100
 134 20.8 14.6 21.8

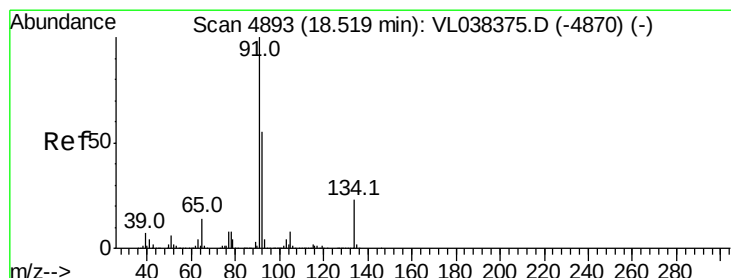
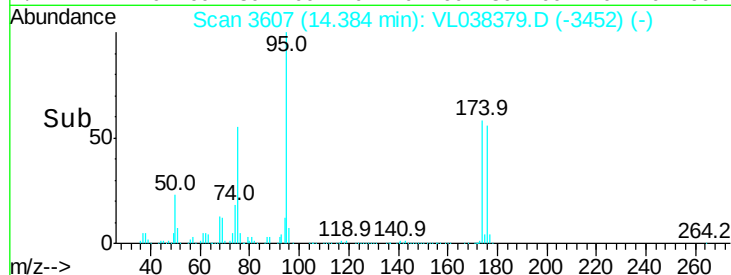
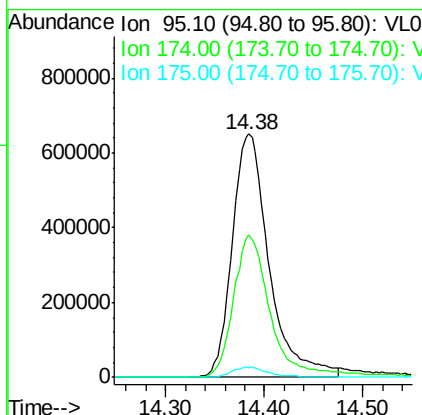
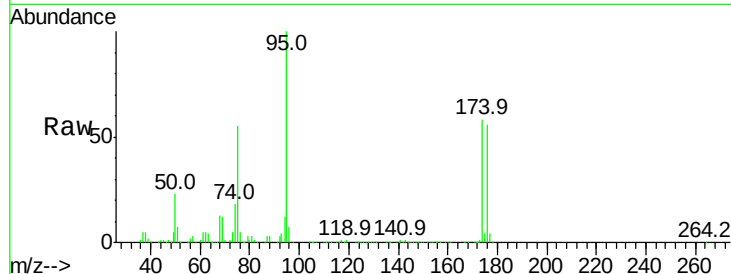




#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.05 ppbv
 RT: 14.38 min
 Delta R.T.: 0.00 min
 Lab File: VSTDIC001
 Acq: 22 Feb 2022 6:40

Tgt Ion: 95 Resp: 1691890

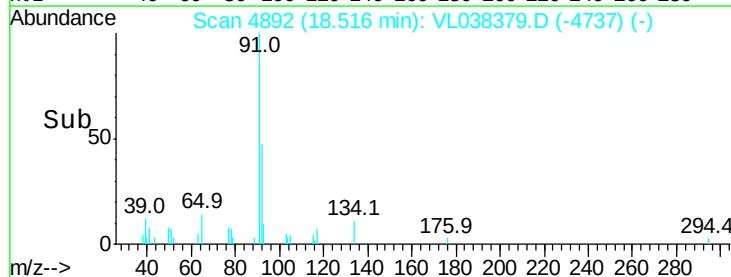
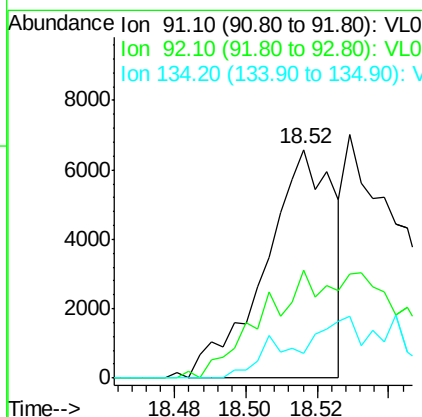
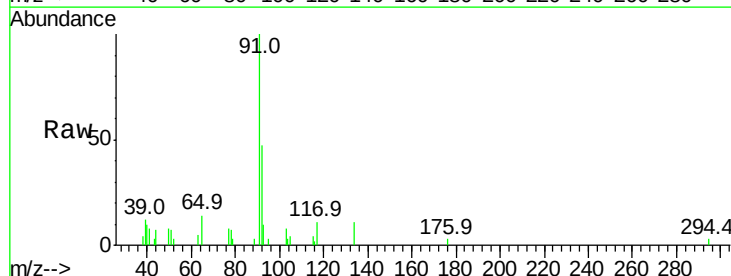
Ion	Ratio	Lower	Upper
95	100		
174	60.2	49.0	73.4
175	4.2	3.6	5.4

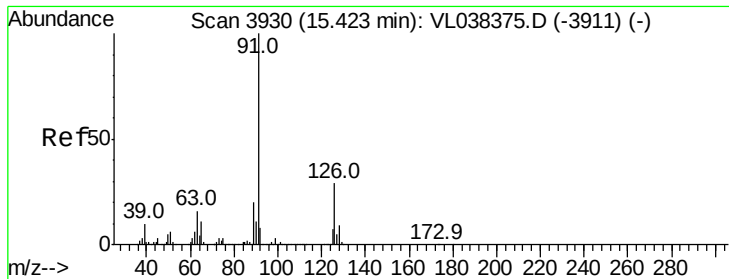


#70
 n-Butylbenzene
 Concen: 0.03 ppbv
 RT: 18.52 min Scan# 4892
 Delta R.T.: -0.00 min
 Lab File: VL038379.D
 Acq: 22 Feb 2022 6:40

Tgt Ion: 91 Resp: 8789

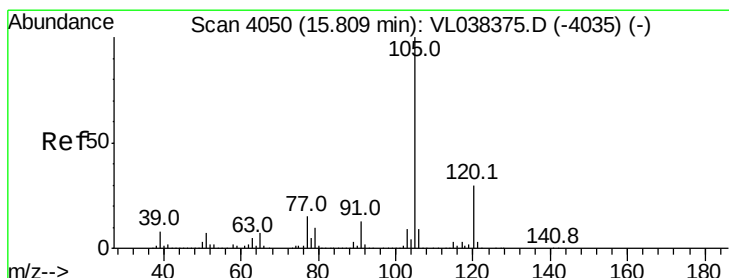
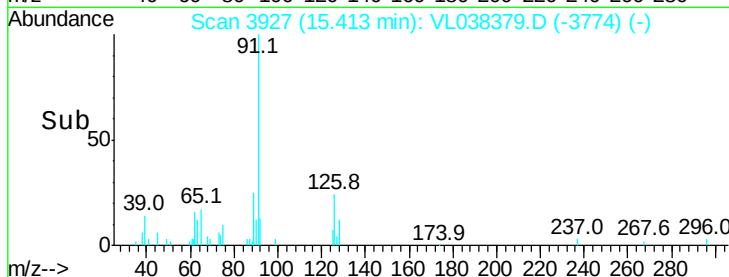
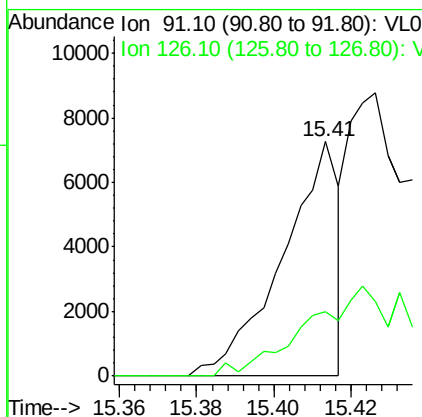
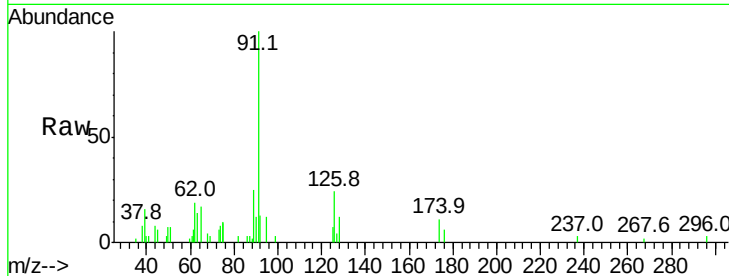
Ion	Ratio	Lower	Upper
91	100		
92	110.7	43.1	64.7#
134	0.0	17.4	26.0#





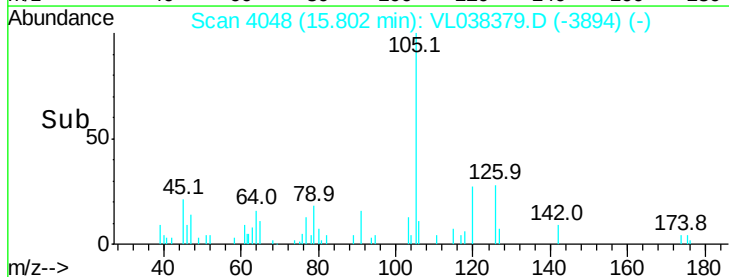
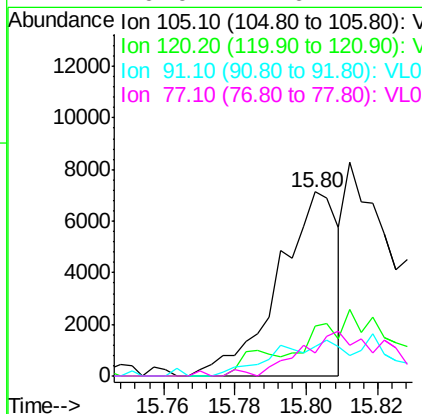
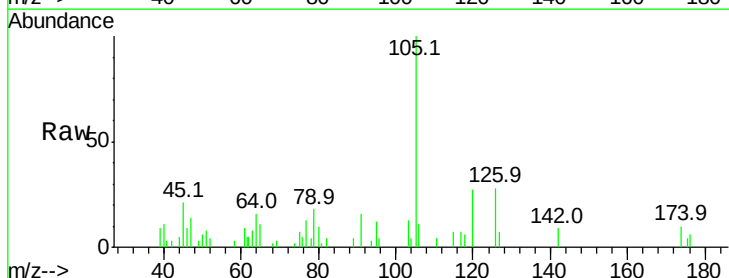
#71
 2-Chlorotoluene
 Concen: 0.03 ppbv
 RT: 15.41 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDIC0.1
 Acq: 22 Feb 2022 6:40

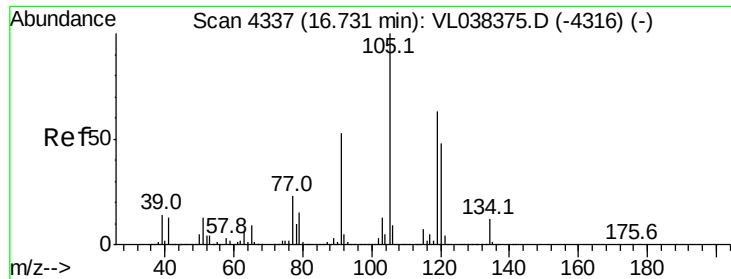
Tgt Ion: 91 Resp: 7370
 Ion Ratio Lower Upper
 91 100
 126 0.0 11.9 47.7#



#72
 4-Ethyltoluene
 Concen: 0.03 ppbv
 RT: 15.80 min Scan# 4048
 Delta R.T. -0.01 min
 Lab File: VL038379.D
 Acq: 22 Feb 2022 6:40

Tgt Ion: 105 Resp: 8217
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.4 35.2#
 91 0.0 10.4 15.6#
 77 0.0 11.6 17.4#





#74

1,2,4-Trimethylbenzene

Concen: 0.04 ppbv

RT: 16.73 min

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 22 Feb 2022 0.40

Tgt Ion:105 Resp: 8393

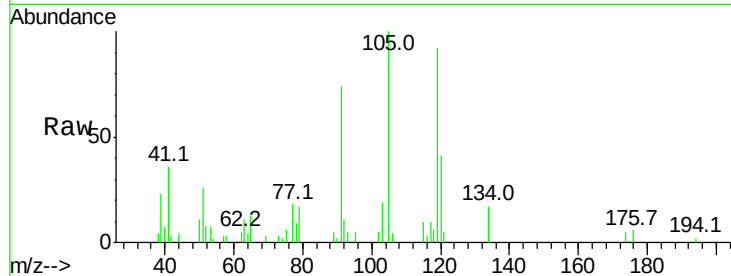
Ion Ratio Lower Upper

105 100

120 41.7 38.2 57.4

91 38.2 42.7 64.1#

77 8.5 18.5 27.7#

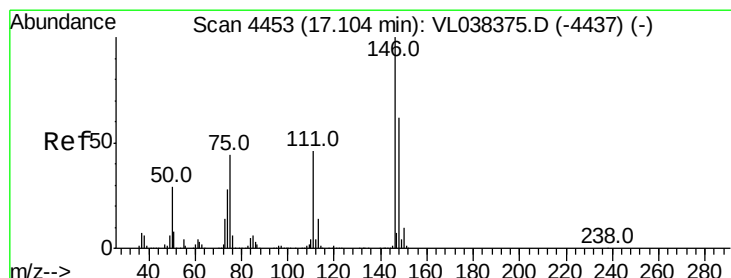
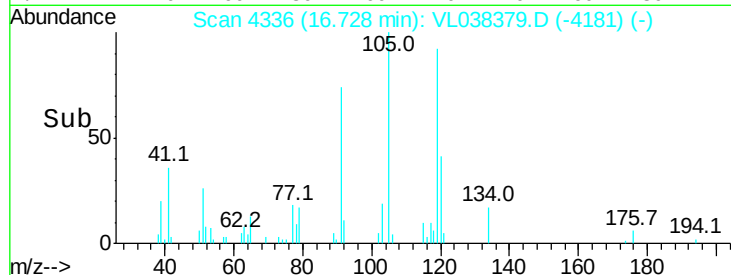
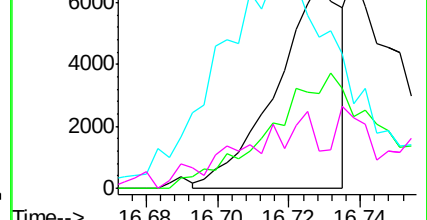


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VLO

Ion 77.10 (76.80 to 77.80): VLO



#76

1,4-Dichlorobenzene

Concen: 0.03 ppbv

RT: 17.10 min Scan# 4452

Delta R.T. -0.00 min

Lab File: VL038379.D

Acq: 22 Feb 2022 6:40

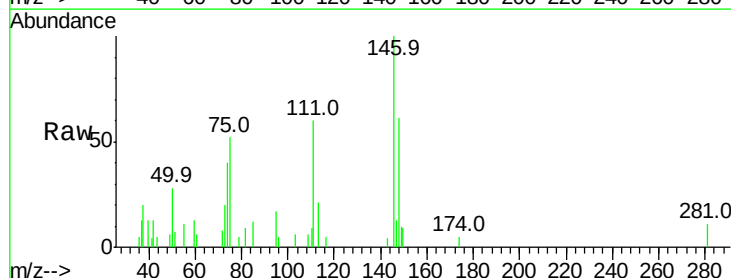
Tgt Ion:146 Resp: 4176

Ion Ratio Lower Upper

146 100

111 142.2 24.1 72.2#

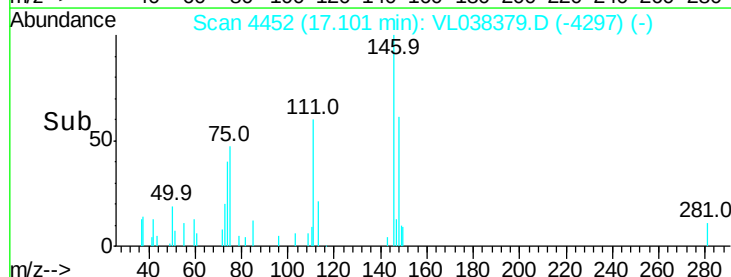
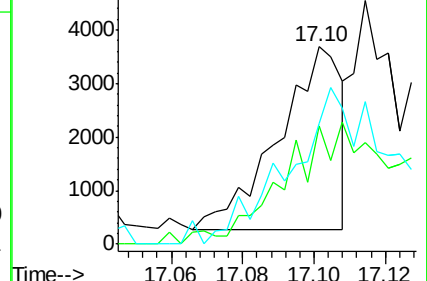
148 176.1 32.8 98.4#

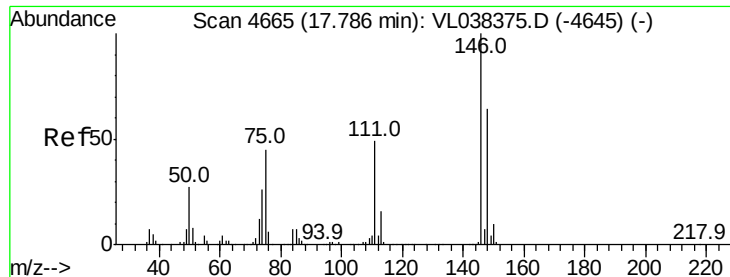


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

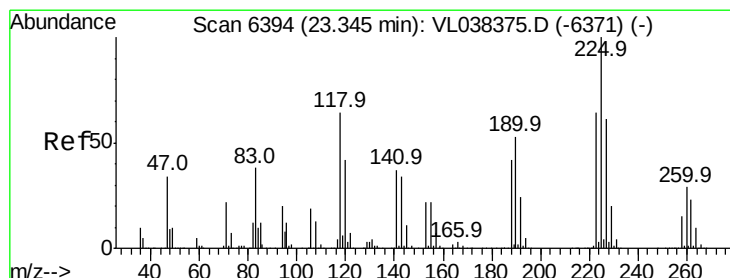
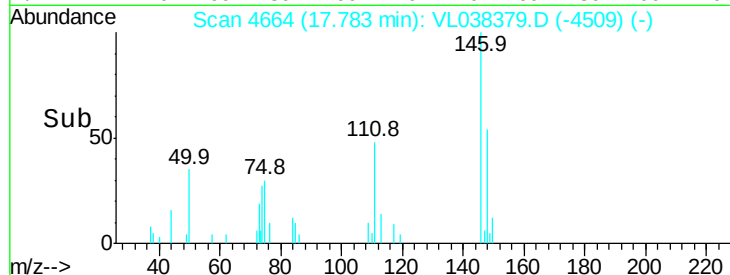
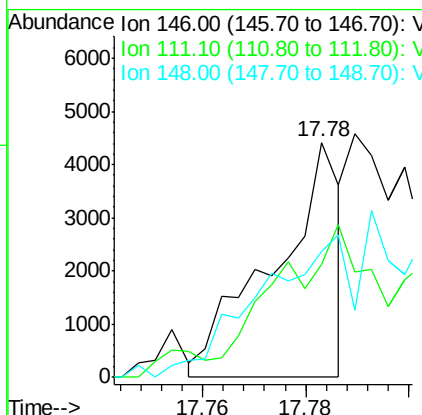
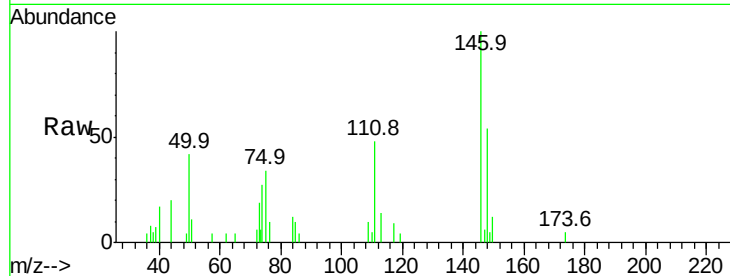
Ion 148.00 (147.70 to 148.70): V





#77
 1,2-Dichlorobenzene
 Concen: 0.03 ppbv
 RT: 17.78 min
 Delta R.T.: MSVOA_1
 Lab File: ClientSampled : VSTDIC0.1
 Acq: 22 Feb 2022 0.40

Tgt Ion:146 Resp: 3943
 Ion Ratio Lower Upper
 146 100
 111 0.0 25.6 76.6#
 148 0.0 32.4 97.2#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.07 ppbv
 RT: 23.34 min Scan# 6391
 Delta R.T.: -0.01 min
 Lab File: VL038379.D
 Acq: 22 Feb 2022 6:40

Tgt Ion:225 Resp: 5781
 Ion Ratio Lower Upper
 225 100
 223 105.4 52.0 78.0#
 227 113.0 51.6 77.4#

