

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022222\
 Data File : VL038377.D
 Acq On : 22 Feb 2022 5:28
 Operator : SY/AP
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Feb 22 07:56:12 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	979367	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	2379928	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.05	117	2211748	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1784729	10.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	174450	0.89	ppbv	93
3) Chlorodifluoromethane	2.98	51	179372	0.95	ppbv	100
4) Chloromethane	3.13	50	63193	0.97	ppbv	95
5) Vinyl Chloride	3.25	62	60123	0.91	ppbv	90
6) Bromomethane	3.47	94	30606	0.87	ppbv	98
7) Chloroethane	3.55	64	17638	0.80	ppbv	91
8) Dichlorotetrafluoroethane	3.18	85	150368	0.95	ppbv	98
9) Propene	3.00	41	56824	0.92	ppbv	96
10) Heptane	8.09	43	139710	0.88	ppbv	100
11) Trichlorofluoromethane	3.94	101	144331	0.91	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	111145	0.93	ppbv	100
13) Ethanol	3.59	45	460	0.07	ppbv #	31
14) Bromoethene	3.73	108	41124	0.88	ppbv	93
15) Acetone	3.85	43	82442	0.97	ppbv #	88
16) 1,3-Butadiene	3.32	39	44321	0.73	ppbv #	67
17) tert-Butyl alcohol	4.29	59	76315	0.83	ppbv #	93
18) 1,1-Dichloroethene	4.28	96	46456	0.90	ppbv	87
19) Isopropyl Alcohol	3.97	45	22816	0.43	ppbv #	67
20) Methylene Chloride	4.33	84	38290	0.79	ppbv	94
21) Allyl Chloride	4.40	41	63897	0.86	ppbv	92
22) trans-1,2-Dichloroethene	4.87	96	47465	0.88	ppbv	94
23) Vinyl Acetate	5.06	43	97145	0.80	ppbv #	95
24) 1,1-Dichloroethane	4.99	63	101749	0.94	ppbv #	97
25) Ethyl Acetate	5.67	43	208397	0.87	ppbv	97
26) Hexane	5.67	57	98878	0.89	ppbv	93
27) Carbon Disulfide	4.53	76	102838	0.81	ppbv	95
28) Methyl tert-Butyl Ether	5.03	73	99453	0.88	ppbv	95
29) Chloroform	5.73	83	172368	0.96	ppbv	98
30) Cyclohexane	7.11	84	51788	0.55	ppbv #	37
31) cis-1,2-Dichloroethene	5.53	61	92655	0.92	ppbv	99
32) 1,1,1-Trichloroethane	6.48	97	163325	0.91	ppbv	97
34) 2-Butanone	5.24	43	72484	0.92	ppbv	96
35) Carbon Tetrachloride	6.99	117	167237	1.00	ppbv	98
36) Benzene	6.86	78	215232	1.02	ppbv	97
37) 1,2-Dichloroethane	6.29	62	119635	0.99	ppbv	98
38) Trichloroethene	7.81	130	70949	0.90	ppbv	89
39) 1,2-Dichloropropane	7.59	63	85482	1.00	ppbv	95
40) 1,4-Dioxane	7.84	88	15459	0.74	ppbv #	10
41) Tetrahydrofuran	6.05	42	20973	0.40	ppbv #	38
42) Bromodichloromethane	7.76	83	175627	0.98	ppbv	98
43) Methyl Methacrylate	7.99	69	38278	0.51	ppbv #	3

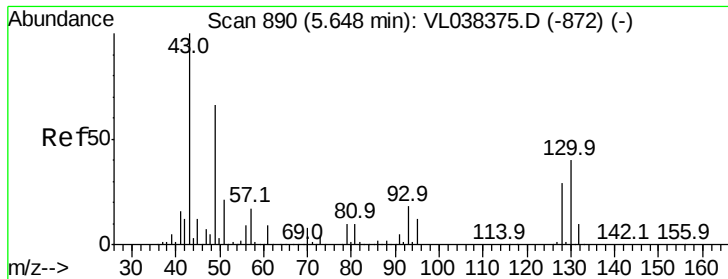
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022222\
 Data File : VL038377.D
 Acq On : 22 Feb 2022 5:28
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 VSTDICC001

Quant Time: Feb 22 07:56:12 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)
44) 2,2,4-Trimethylpentane	7.84	57	383816	1.03	ppbv	98
45) t-1,3-Dichloropropene	9.25	75	48227	0.80	ppbv	96
46) cis-1,3-Dichloropropene	8.67	75	68081	0.84	ppbv	97
47) 1,1,2-Trichloroethane	9.45	97	81881	0.97	ppbv	89
48) Dibromochloromethane	10.27	129	130107	0.92	ppbv	98
49) Bromoform	13.01	173	93582	0.90	ppbv	98
50) 4-Methyl-2-Pentanone	8.73	43	50878	0.36	ppbv #	40
51) 2-Hexanone	10.12	43	42611	0.69	ppbv #	88
52) Tetrachloroethene	11.18	164	25338	0.35	ppbv	83
53) Toluene	9.78	91	228111	0.98	ppbv	98
54) 1,2-Dibromoethane	10.58	107	111447	0.93	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.10	131	36035	0.37	ppbv #	1
57) Chlorobenzene	12.11	112	166297	0.94	ppbv	96
58) Ethyl Benzene	12.68	91	308353	0.95	ppbv	96
59) m/p-Xylene	12.96	91	224983	0.81	ppbv #	10
60) o-Xylene	13.66	91	254487	0.99	ppbv	99
61) Styrene	13.50	104	99520	0.83	ppbv	92
62) Isopropylbenzene	14.64	105	337897	0.98	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	190490	0.99	ppbv	99
64) n-propylbenzene	15.53	120	81925	0.98	ppbv	81
65) tert-Butylbenzene	16.71	119	298067	1.04	ppbv	97
66) Benzyl Chloride	16.95	91	5715	0.42	ppbv #	72
67) sec-Butylbenzene	17.26	105	422376	1.05	ppbv	98
69) p-Isopropyltoluene	17.62	119	316336	1.02	ppbv	97
70) n-Butylbenzene	18.52	91	325995	1.06	ppbv	99
71) 2-Chlorotoluene	15.42	91	261726	1.01	ppbv	97
72) 4-Ethyltoluene	15.81	105	267929	0.98	ppbv	98
73) 1,3,5-Trimethylbenzene	15.96	105	245618	0.99	ppbv	95
74) 1,2,4-Trimethylbenzene	16.73	105	266670	1.02	ppbv	98
75) 1,3-Dichlorobenzene	16.96	146	142468	1.01	ppbv	96
76) 1,4-Dichlorobenzene	17.10	146	66497	0.49	ppbv #	22
77) 1,2-Dichlorobenzene	17.78	146	140875	1.06	ppbv	99
78) Hexachloro-1,3-Butadiene	23.34	225	50184	0.54	ppbv #	18
79) Naphthalene	22.16	128	9233	0.07	ppbv #	68
80) Naphthalene,2-methyl-	24.96	142	10107	0.63	ppbv	90
81) 1,2,4-Trichlorobenzene	21.90	180	70016	0.94	ppbv	88

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

VSTDIC001

Acq: 22 Feb 2022 5:28

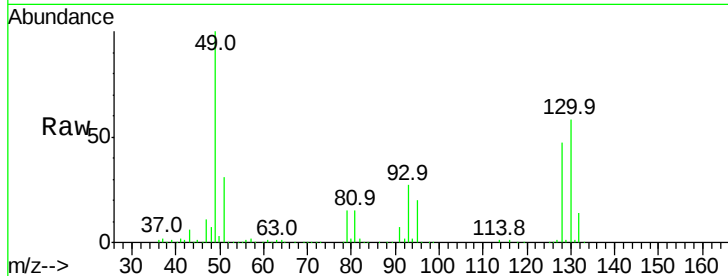
Tgt Ion: 49 Resp: 979367

Ion Ratio Lower Upper

49 100

128 46.8 24.3 72.9

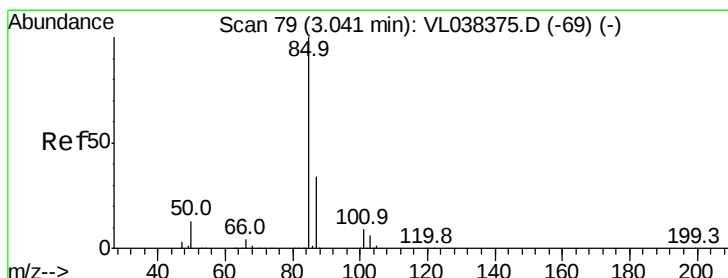
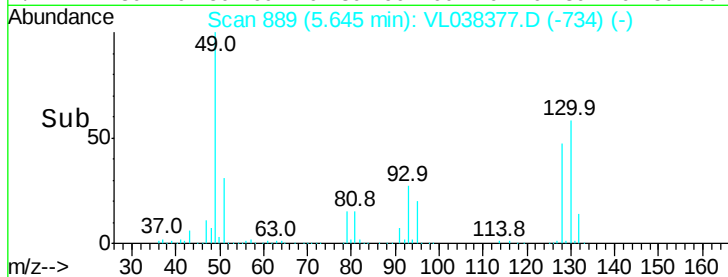
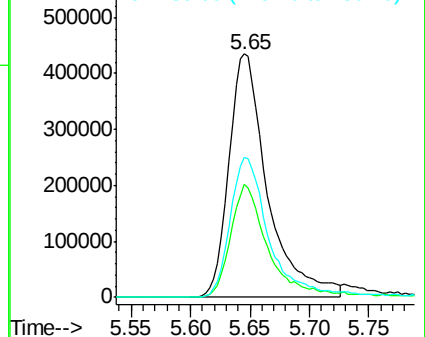
130 60.0 30.1 90.5



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: 0.89 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL038377.D

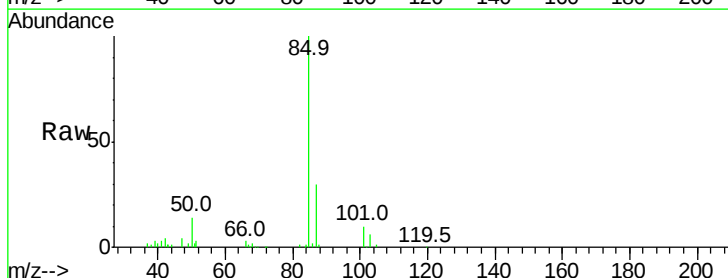
Acq: 22 Feb 2022 5:28

Tgt Ion: 85 Resp: 174450

Ion Ratio Lower Upper

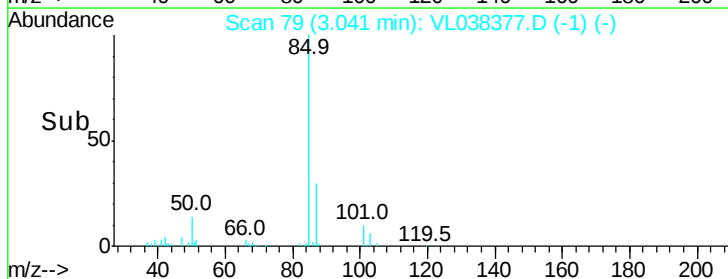
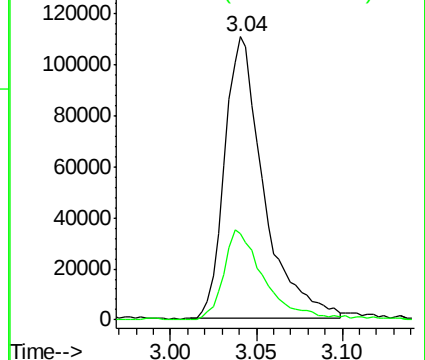
85 100

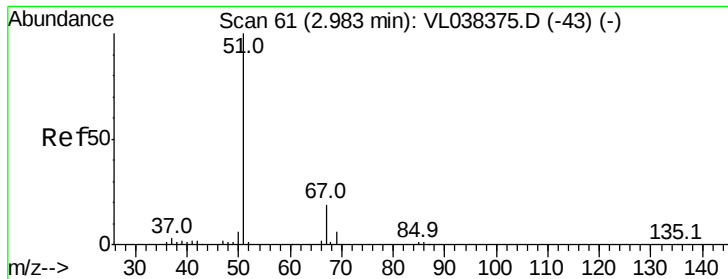
87 30.4 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.95 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC001

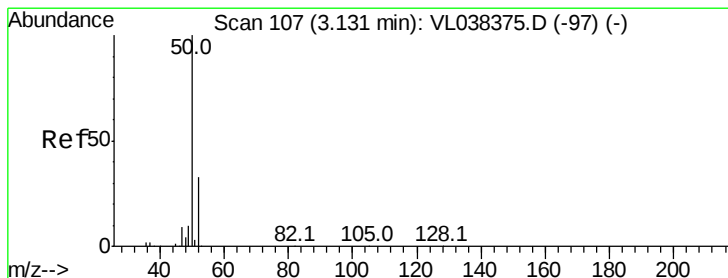
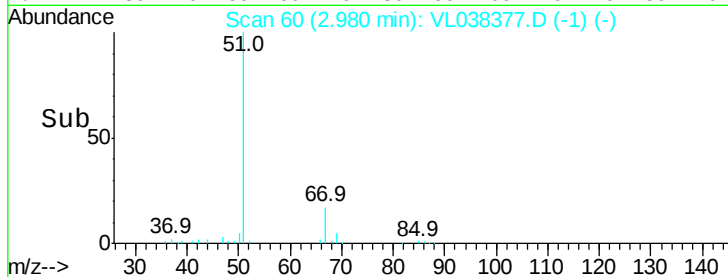
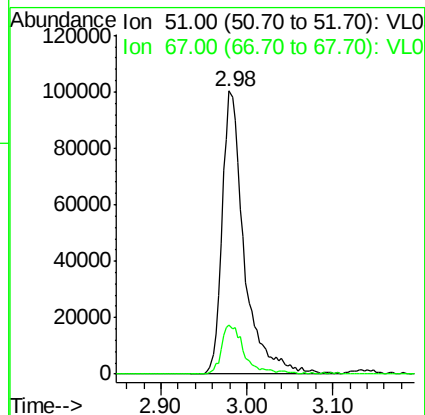
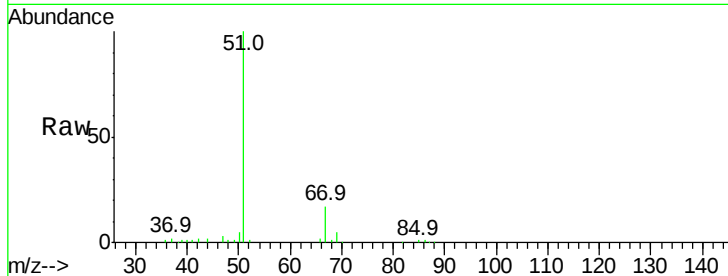
Acq: 22 Feb 2022 5:28

Tgt Ion: 51 Resp: 179372

Ion Ratio Lower Upper

51 100

67 18.3 14.7 22.1



#4

Chloromethane

Concen: 0.97 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL038377.D

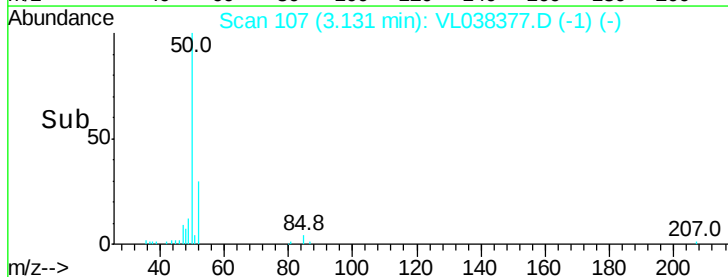
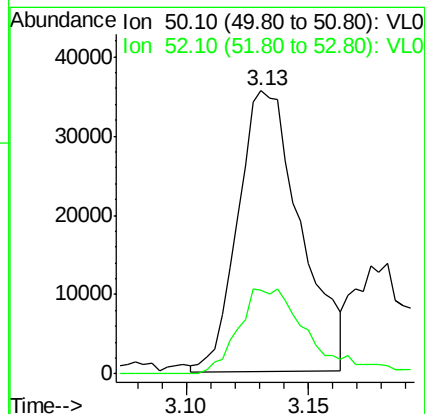
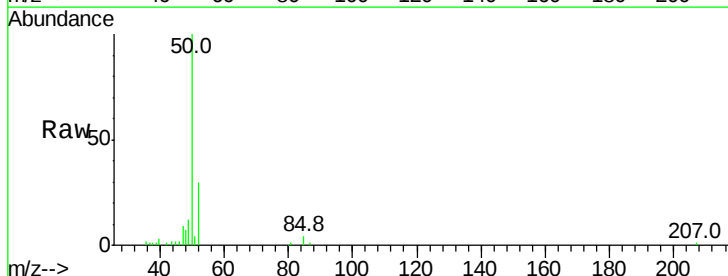
Acq: 22 Feb 2022 5:28

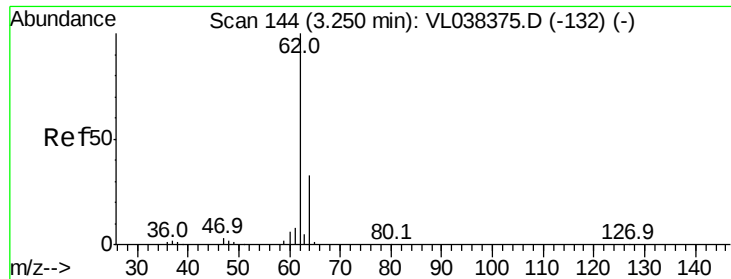
Tgt Ion: 50 Resp: 63193

Ion Ratio Lower Upper

50 100

52 30.5 26.5 39.7





#5

Vinyl Chloride

Concen: 0.91 ppbv

RT: 3.25 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

VSTDIC001

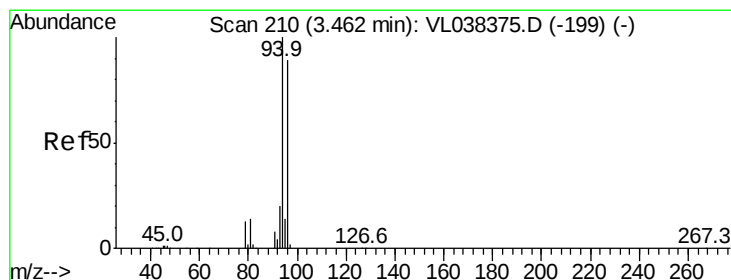
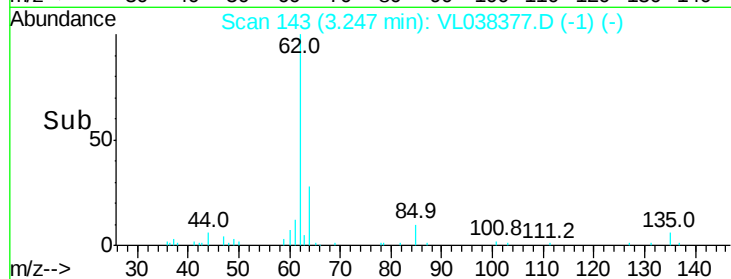
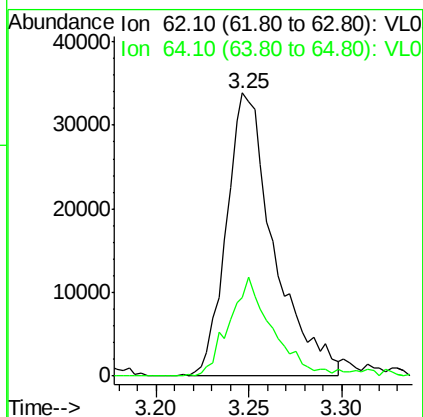
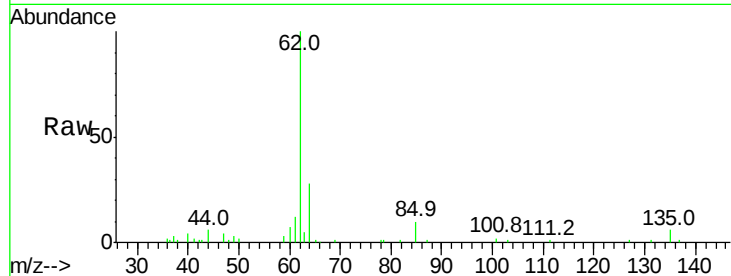
Acq: 22 Feb 2022 5:28

Tgt Ion: 62 Resp: 60123

Ion Ratio Lower Upper

62 100

64 27.3 26.2 39.2



#6

Bromomethane

Concen: 0.87 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.01 min

Lab File: VL038377.D

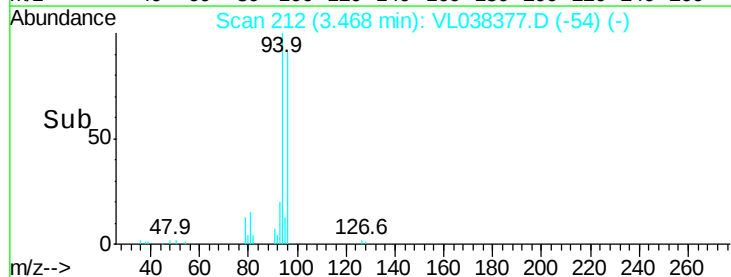
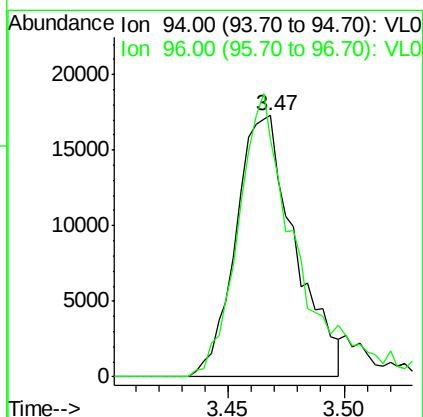
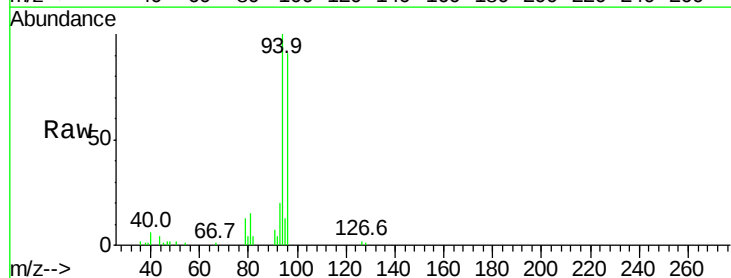
Acq: 22 Feb 2022 5:28

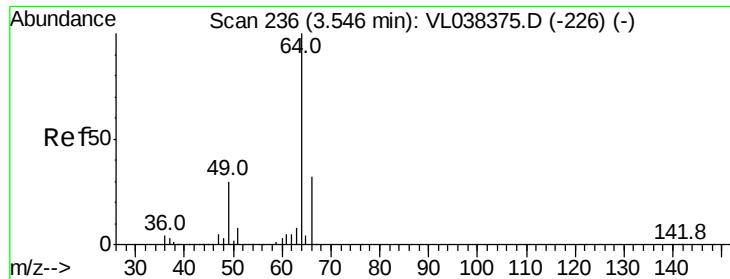
Tgt Ion: 94 Resp: 30606

Ion Ratio Lower Upper

94 100

96 91.0 71.0 106.6





#7

Chloroethane

Concen: 0.80 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC001

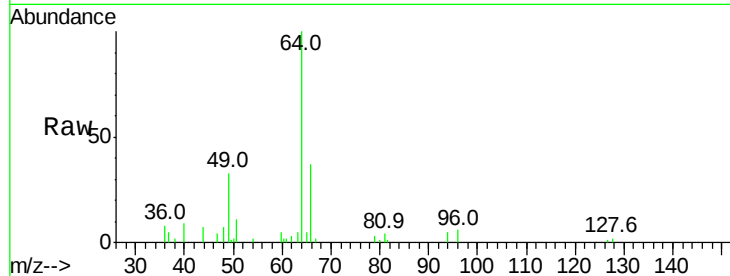
Acq: 22 Feb 2022 3:28

Tgt Ion: 64 Resp: 17638

Ion Ratio Lower Upper

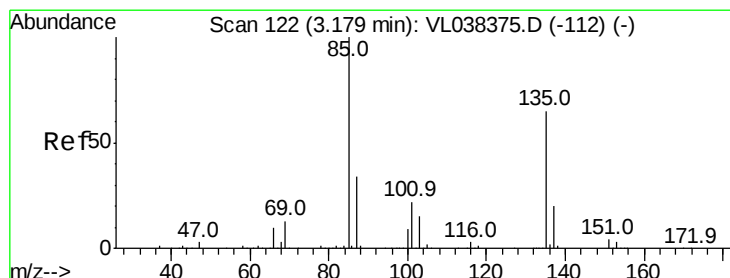
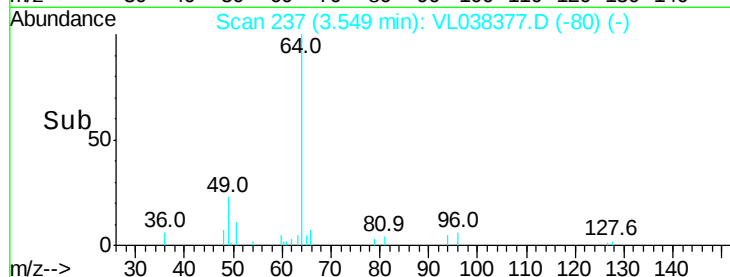
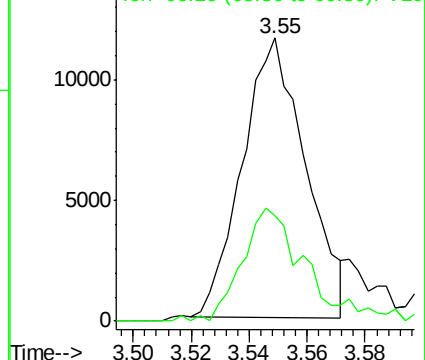
64 100

66 37.5 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: 0.95 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL038377.D

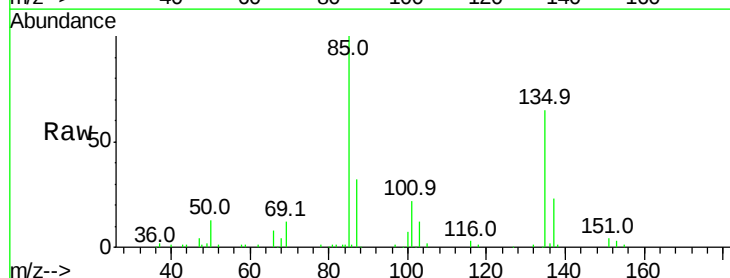
Acq: 22 Feb 2022 5:28

Tgt Ion: 85 Resp: 150368

Ion Ratio Lower Upper

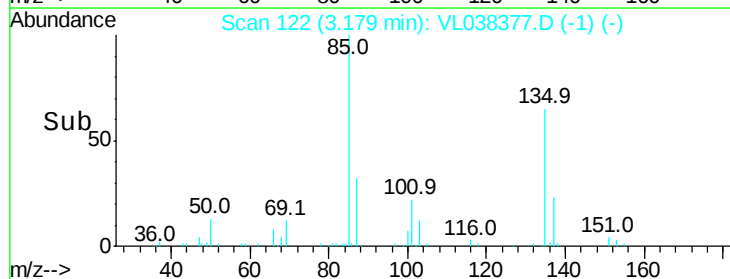
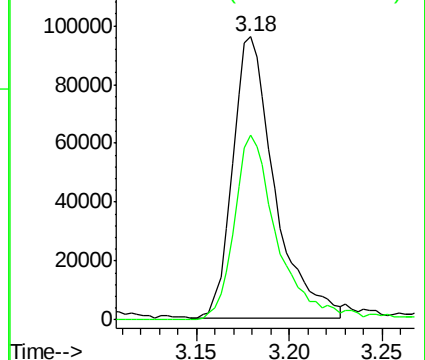
85 100

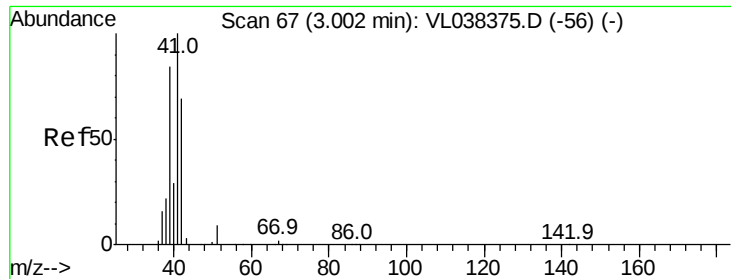
135 69.5 54.1 81.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.92 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

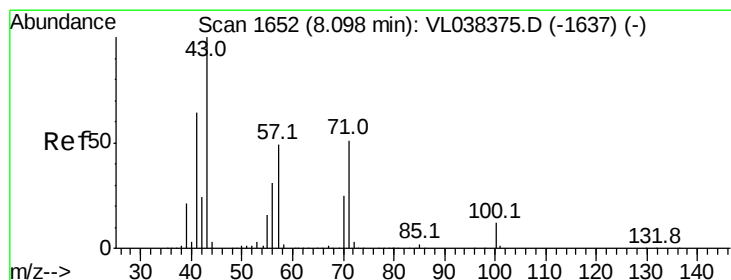
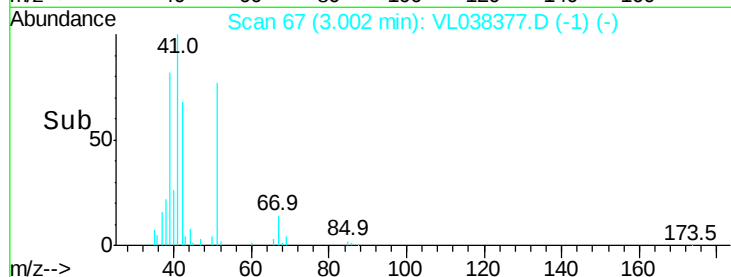
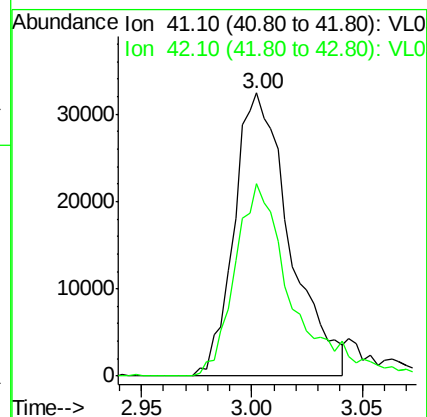
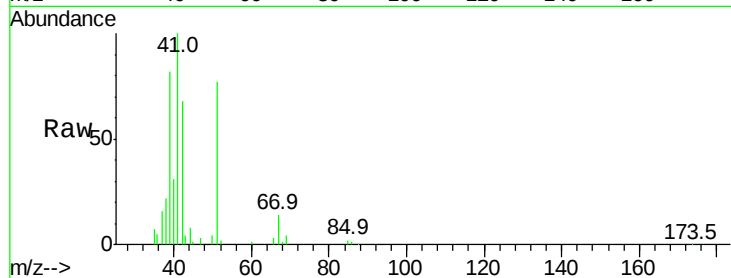
Acq: 22 Feb 2022 5:28 VSTDIC001

Tgt Ion: 41 Resp: 56824

Ion Ratio Lower Upper

41 100

42 71.6 54.6 82.0



#10

Heptane

Concen: 0.88 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.01 min

Lab File: VL038377.D

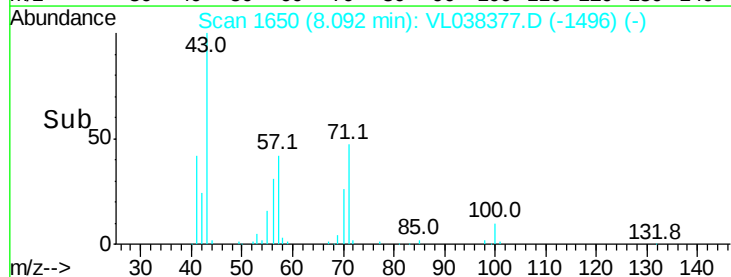
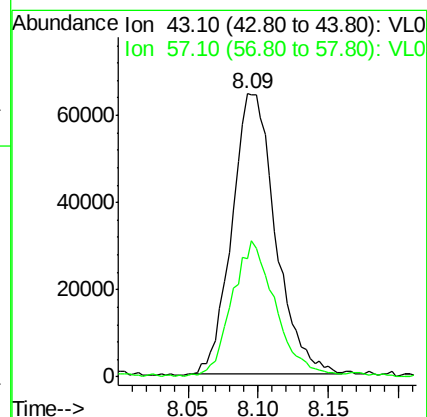
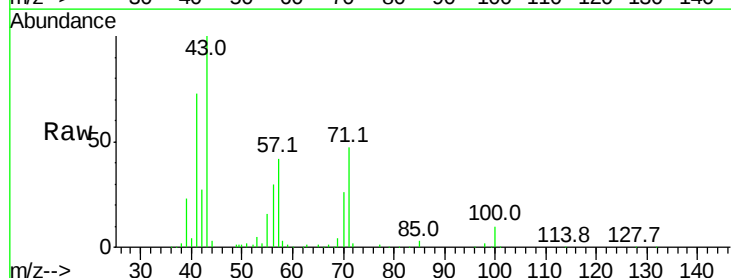
Acq: 22 Feb 2022 5:28

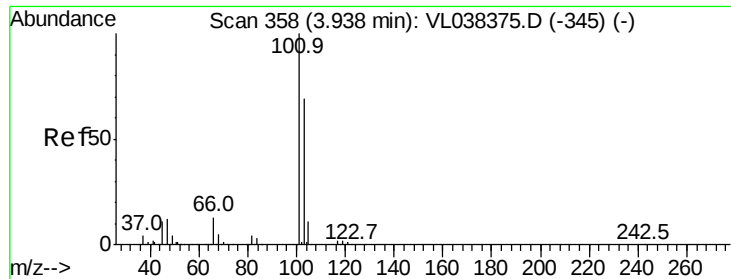
Tgt Ion: 43 Resp: 139710

Ion Ratio Lower Upper

43 100

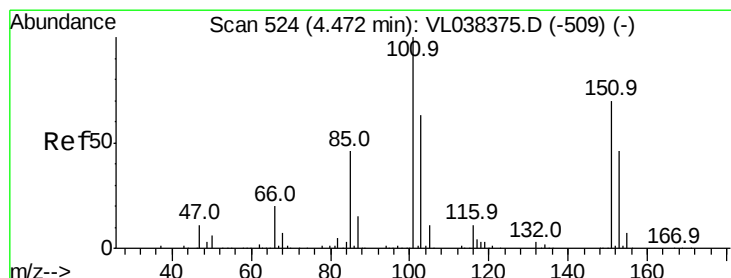
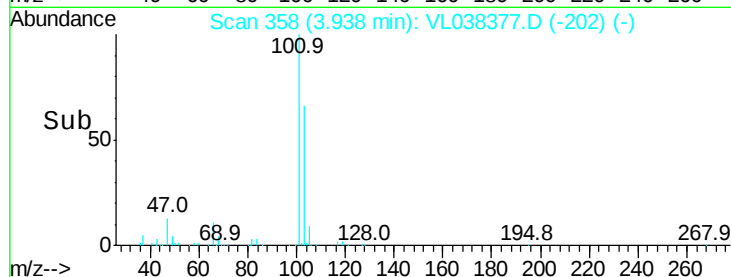
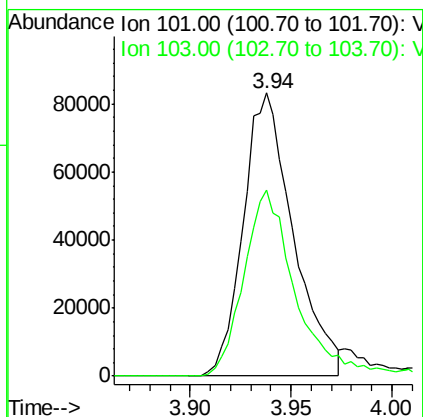
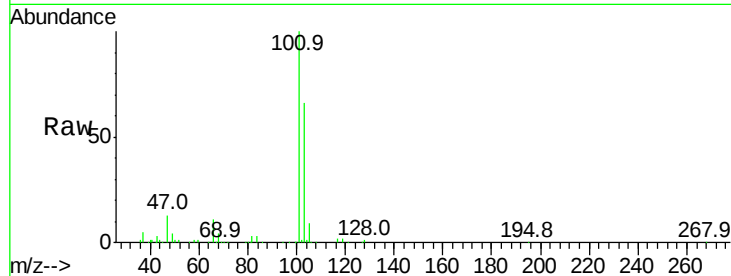
57 49.9 39.8 59.8





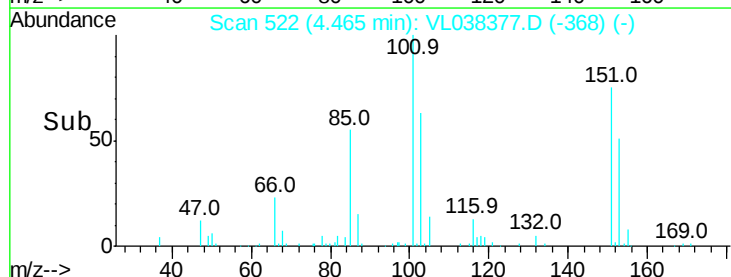
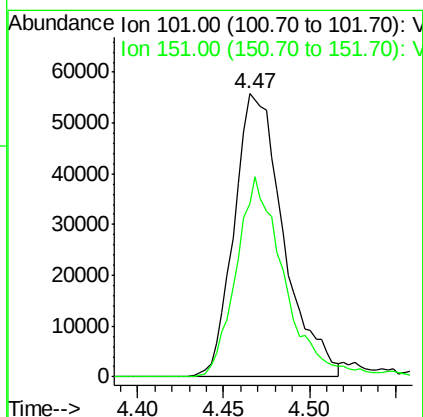
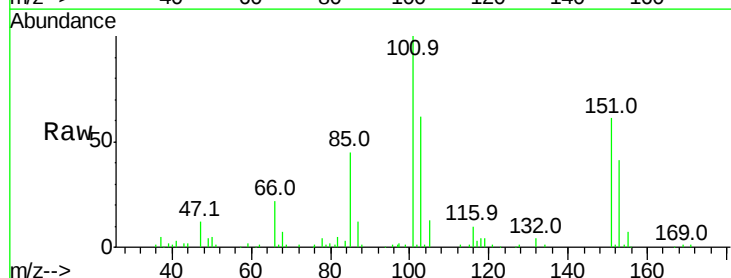
#11
 Trichlorofluoromethane
 Concen: 0.91 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 22 Feb 2022 5:28

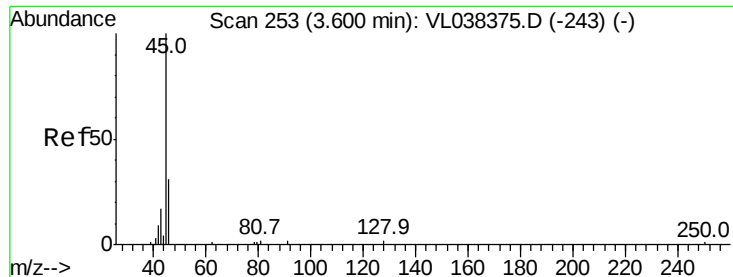
Tgt Ion:101 Resp: 144331
 Ion Ratio Lower Upper
 101 100
 103 65.7 55.0 82.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.93 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: VL038377.D
 Acq: 22 Feb 2022 5:28

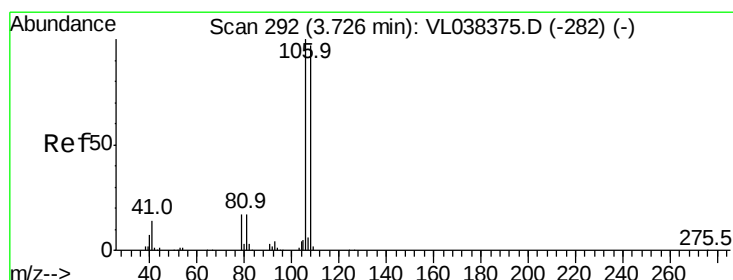
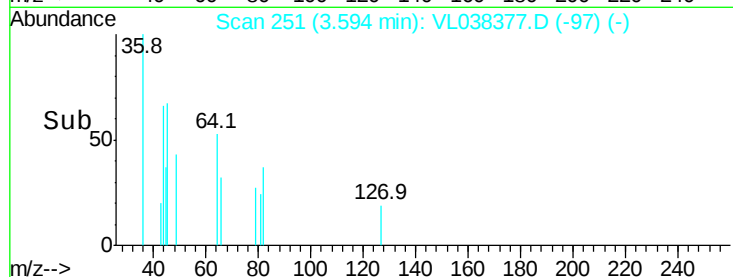
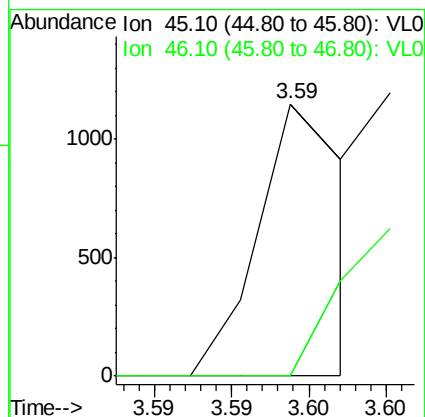
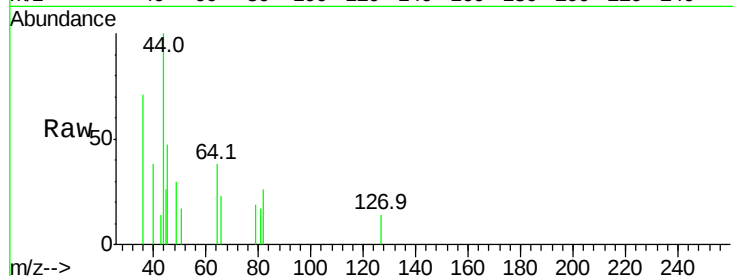
Tgt Ion:101 Resp: 111145
 Ion Ratio Lower Upper
 101 100
 151 70.2 55.9 83.9





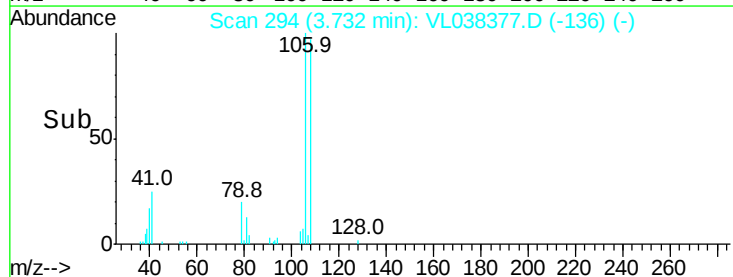
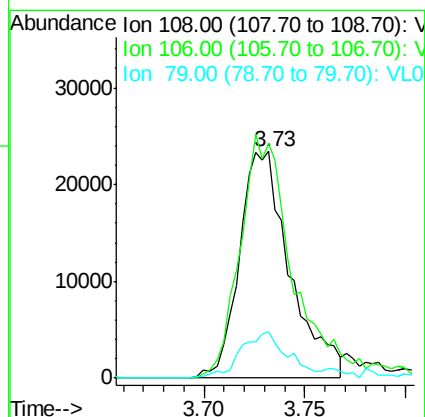
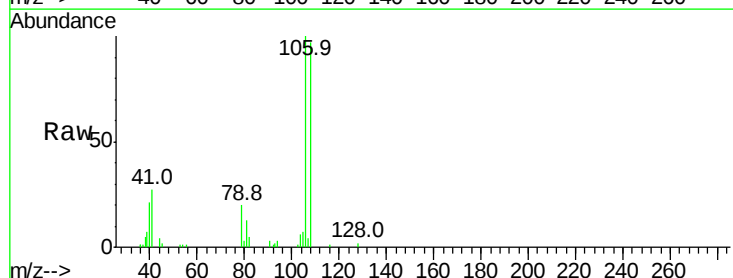
#13
Ethanol
Concen: 0.07 ppbv
RT: 3.59
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Feb 2022 5:28

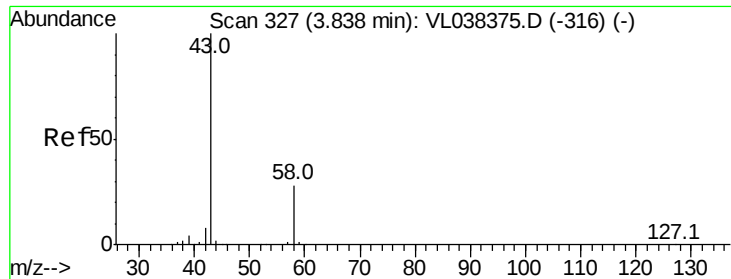
Tgt Ion: 45 Resp: 460
Ion Ratio Lower Upper
45 100
46 0.0 18.2 72.8#



#14
Bromoethene
Concen: 0.88 ppbv
RT: 3.73 min Scan# 294
Delta R.T. 0.01 min
Lab File: VL038377.D
Acq: 22 Feb 2022 5:28

Tgt Ion: 108 Resp: 41124
Ion Ratio Lower Upper
108 100
106 118.3 88.4 132.6
79 22.6 15.0 22.6





#15

Acetone

Concen: 0.97 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

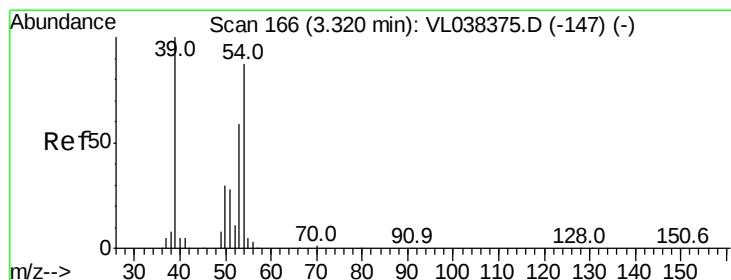
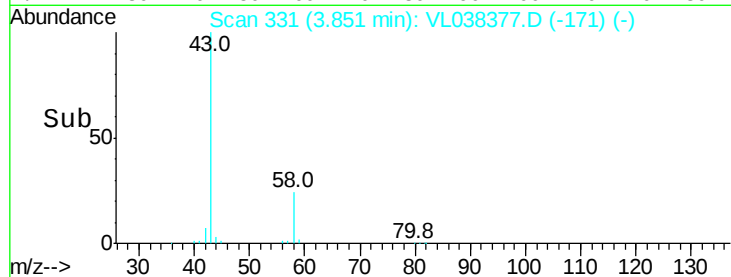
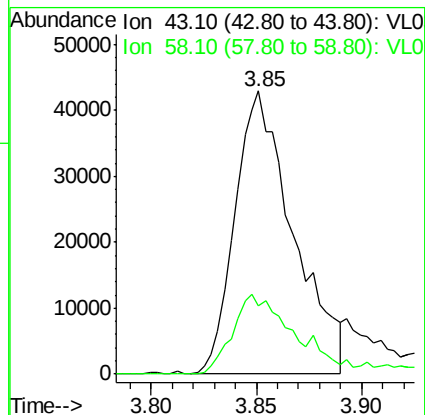
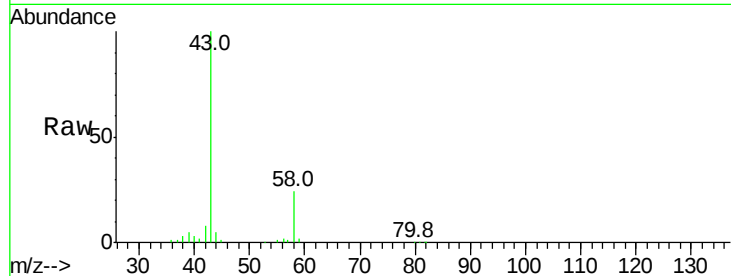
Acq: 22 Feb 2022 5:28

Tgt Ion: 43 Resp: 82442

Ion Ratio Lower Upper

43 100

58 33.3 21.7 32.5#



#16

1,3-Butadiene

Concen: 0.73 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL038377.D

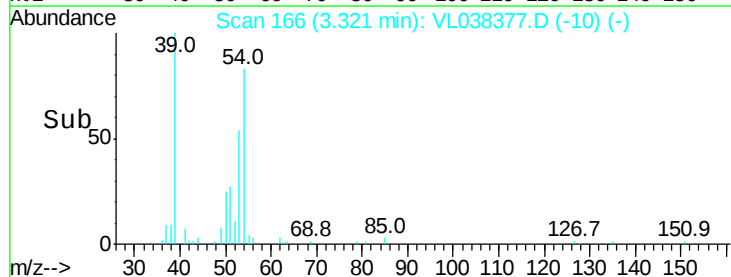
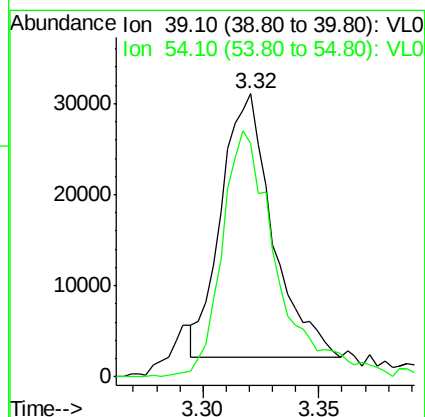
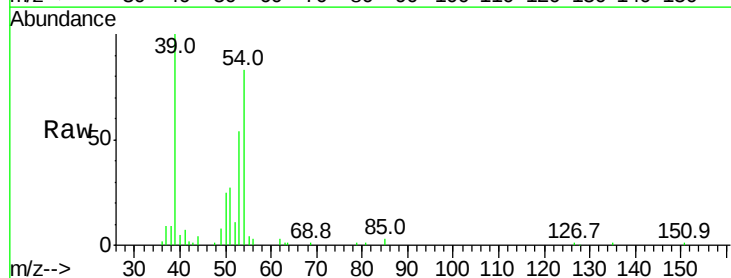
Acq: 22 Feb 2022 5:28

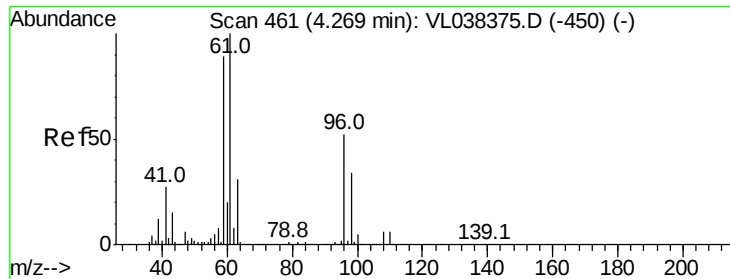
Tgt Ion: 39 Resp: 44321

Ion Ratio Lower Upper

39 100

54 103.7 60.3 90.5#





#17

tert-Butyl alcohol

Concen: 0.83 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC001

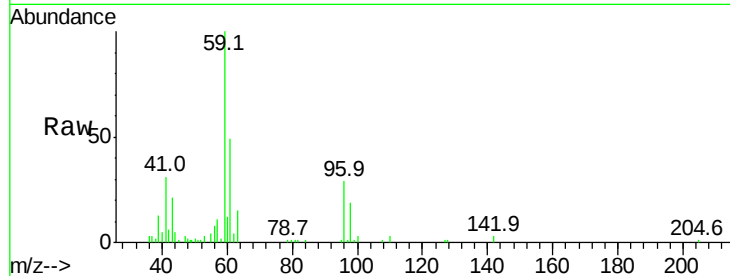
Acq: 22 Feb 2022 5:28

Tgt Ion: 59 Resp: 76315

Ion Ratio Lower Upper

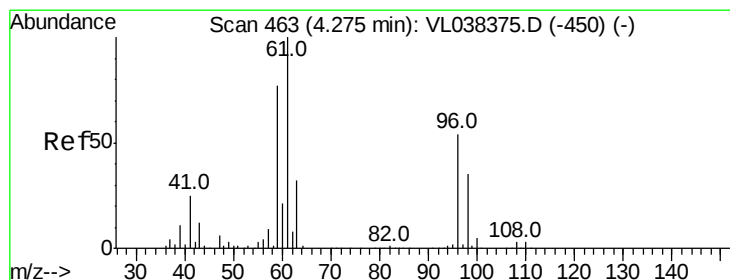
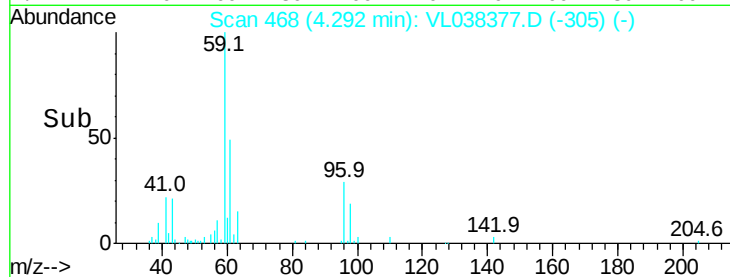
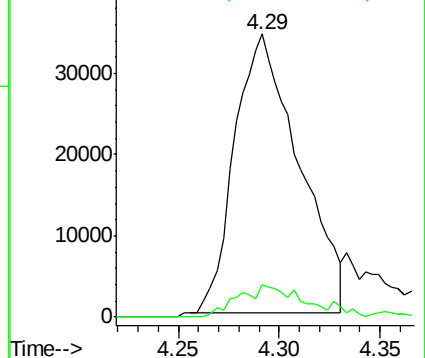
59 100

57 13.1 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: 0.90 ppbv

RT: 4.28 min Scan# 463

Delta R.T. 0.00 min

Lab File: VL038377.D

Acq: 22 Feb 2022 5:28

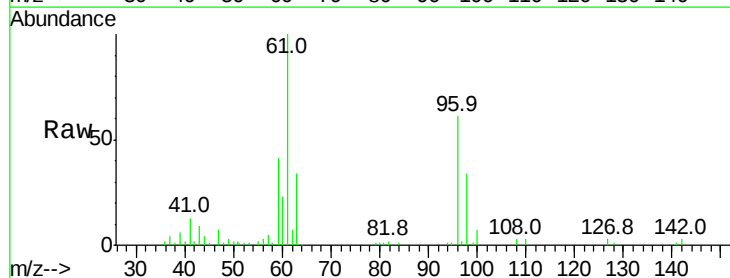
Tgt Ion: 96 Resp: 46456

Ion Ratio Lower Upper

96 100

61 163.6 146.8 220.2

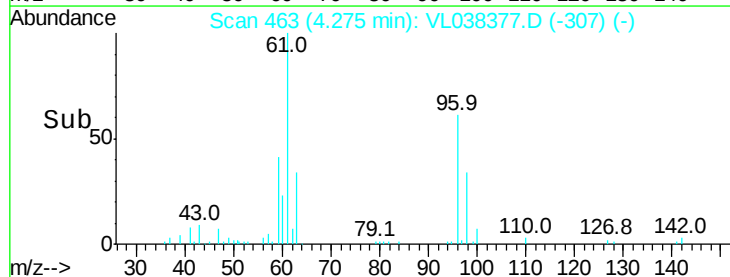
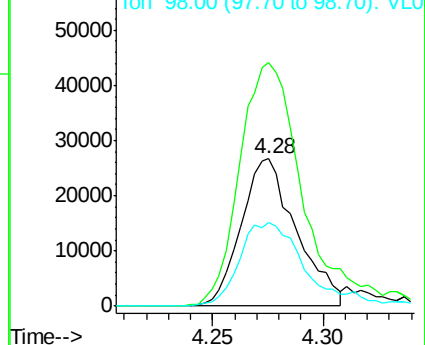
98 56.5 51.5 77.3

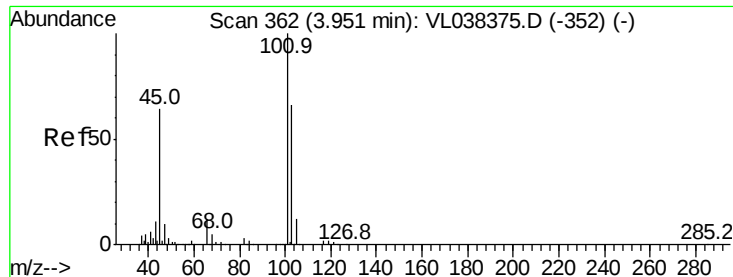


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.43 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

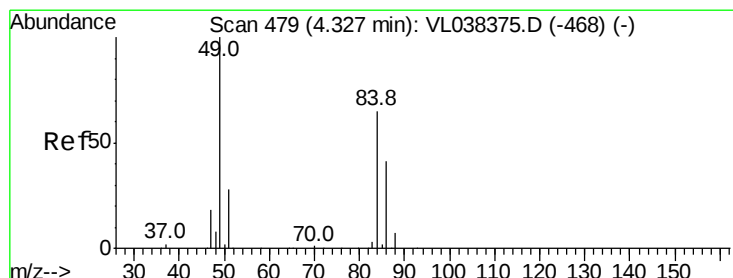
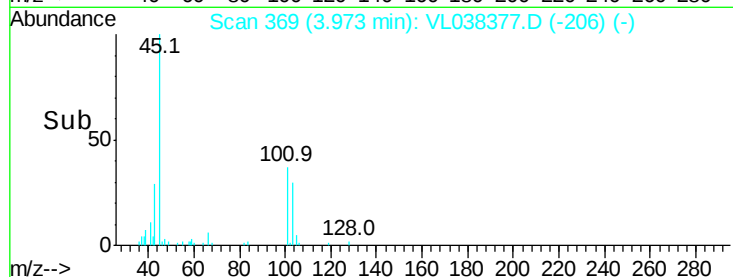
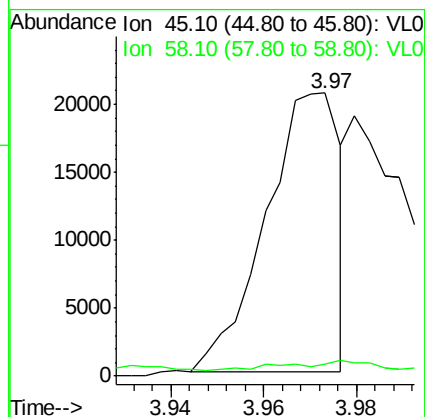
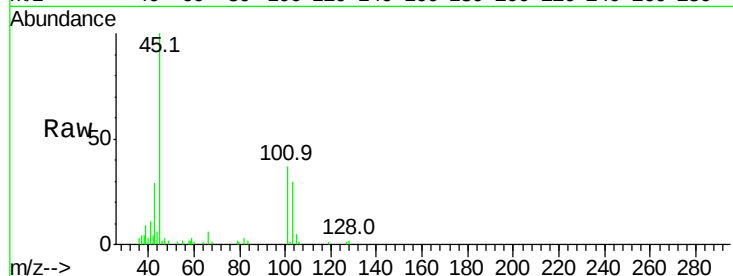
Acq: 22 Feb 2022 VSTDIC001

Tgt Ion: 45 Resp: 22816

Ion Ratio Lower Upper

45 100

58 13.6 1.8 2.8#



#20

Methylene Chloride

Concen: 0.79 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.00 min

Lab File: VL038377.D

Acq: 22 Feb 2022 5:28

Tgt Ion: 84 Resp: 38290

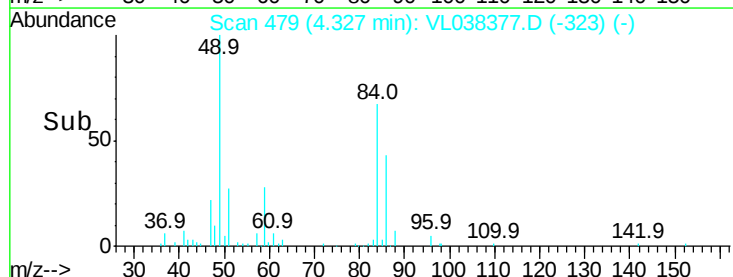
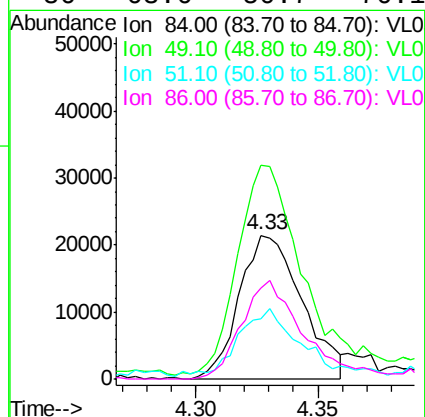
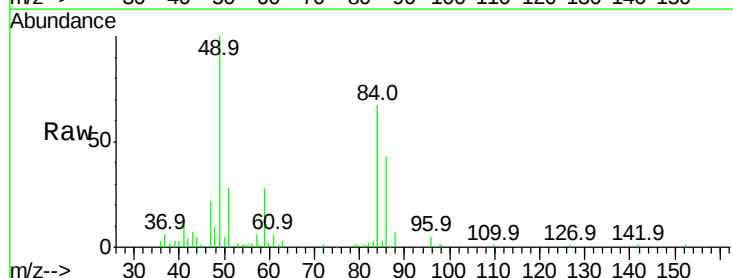
Ion Ratio Lower Upper

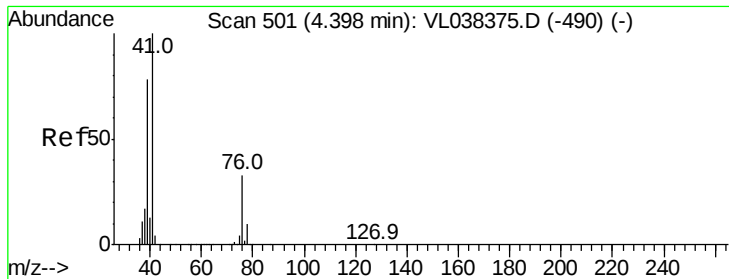
84 100

49 143.0 122.4 183.6

51 37.7 33.3 49.9

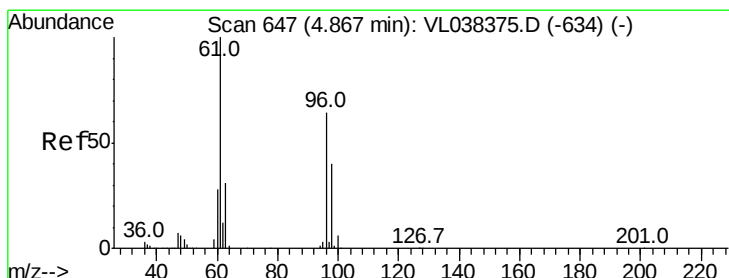
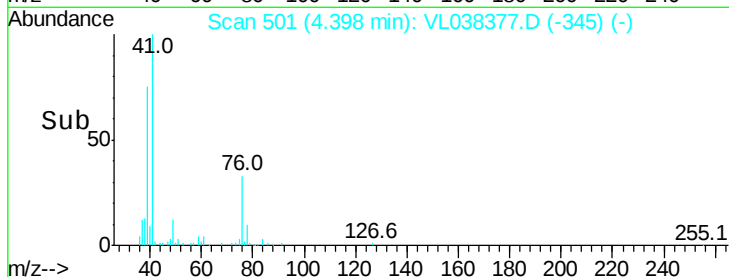
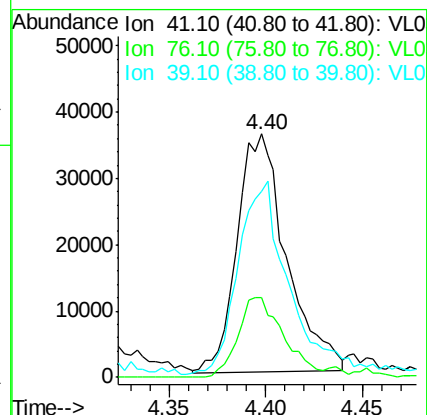
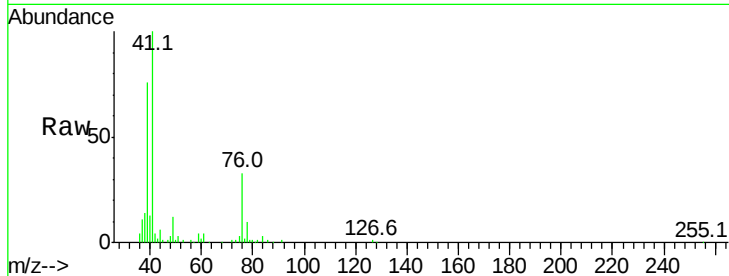
86 63.6 50.7 76.1





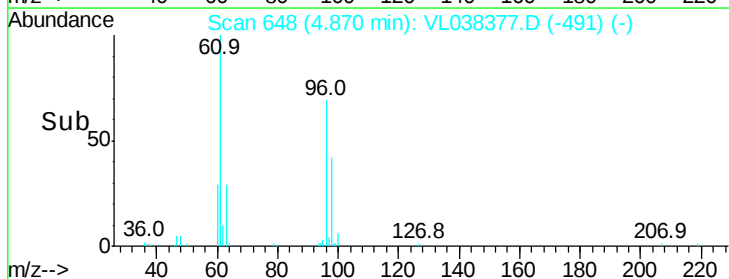
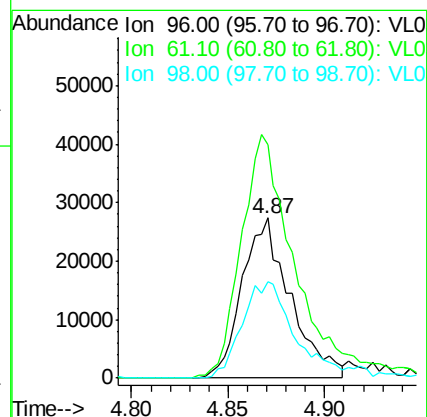
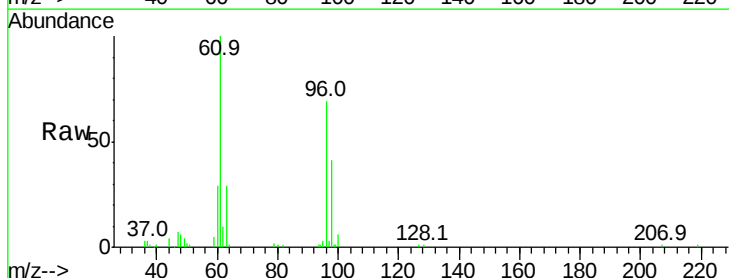
#21
 Allyl Chloride
 Concen: 0.86 ppbv
 RT: 4.40
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 22 Feb 2022 5:28

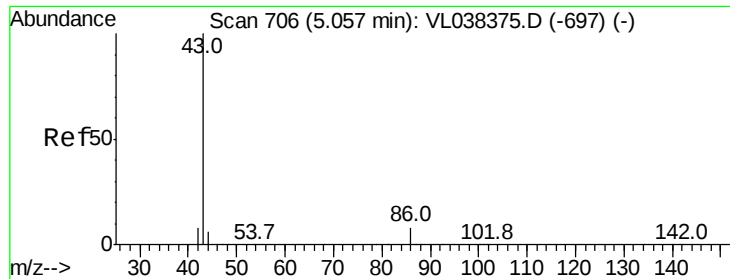
Tgt Ion: 41 Resp: 63897
 Ion Ratio Lower Upper
 41 100
 76 34.4 25.4 38.0
 39 87.5 63.0 94.6



#22
 trans-1,2-Dichloroethene
 Concen: 0.88 ppbv
 RT: 4.87 min Scan# 648
 Delta R.T. 0.00 min
 Lab File: VL038377.D
 Acq: 22 Feb 2022 5:28

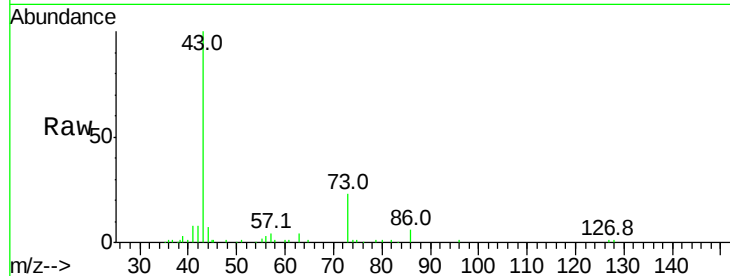
Tgt Ion: 96 Resp: 47465
 Ion Ratio Lower Upper
 96 100
 61 146.0 124.2 186.4
 98 60.2 49.1 73.7



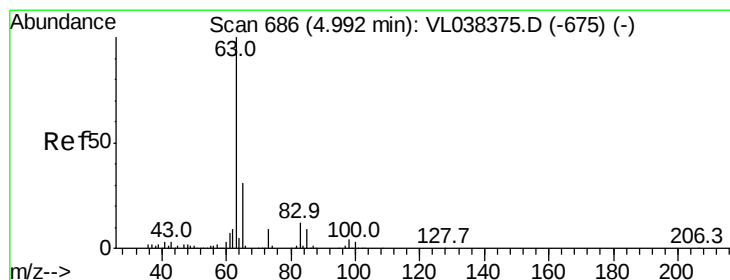
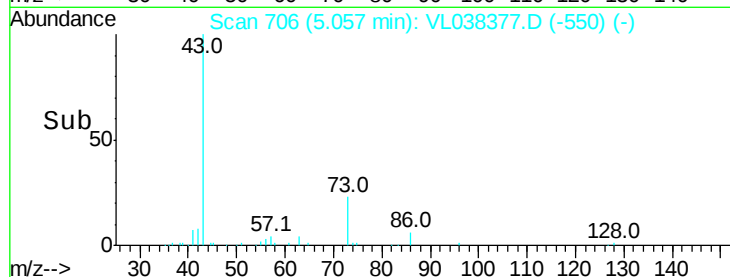
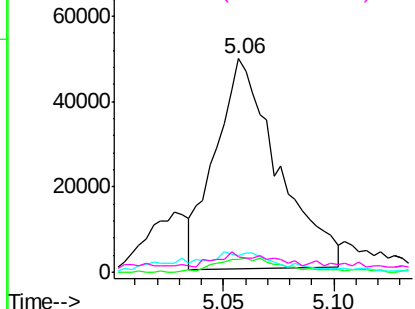


#23
 Vinyl Acetate
 Concen: 0.80 ppbv
 RT: 5.06
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 22 Feb 2022 5:28

Tgt Ion:	43	Resp:	97145
Ion	Ratio	Lower	Upper
43	100		
86	5.3	5.8	8.6#
42	7.0	7.4	11.0#
44	6.0	4.2	6.2

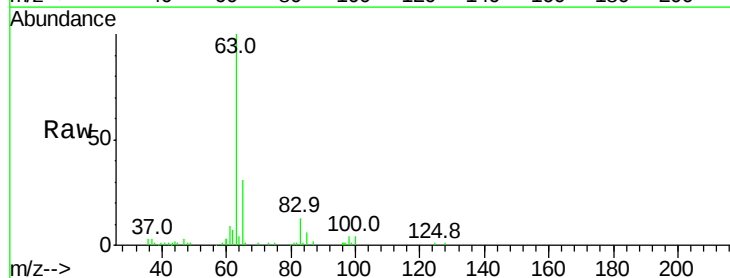


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

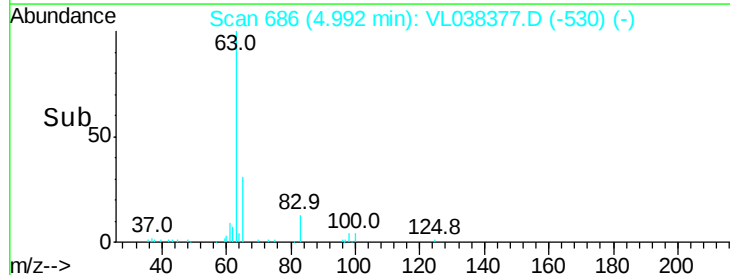
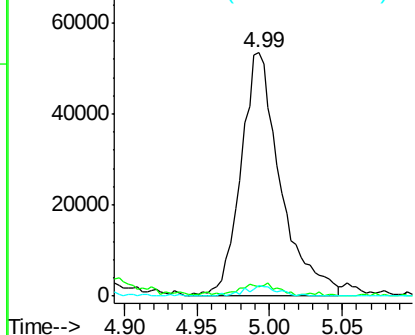


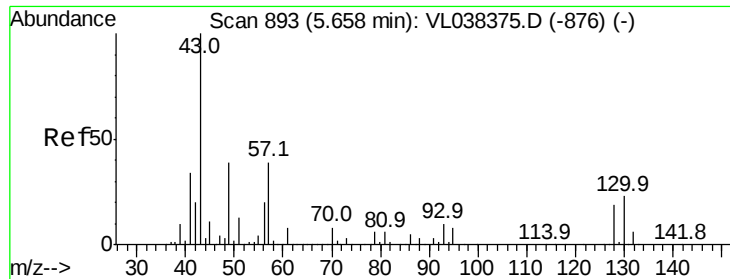
#24
 1,1-Dichloroethane
 Concen: 0.94 ppbv
 RT: 4.99 min Scan# 686
 Delta R.T. 0.00 min
 Lab File: VL038377.D
 Acq: 22 Feb 2022 5:28

Tgt Ion:	63	Resp:	101749
Ion	Ratio	Lower	Upper
63	100		
98	3.4	2.1	6.5
100	4.2	1.4	4.2#



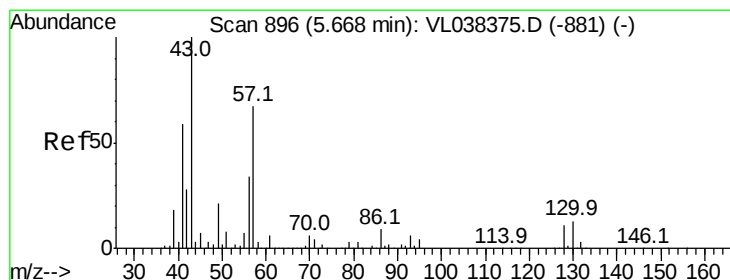
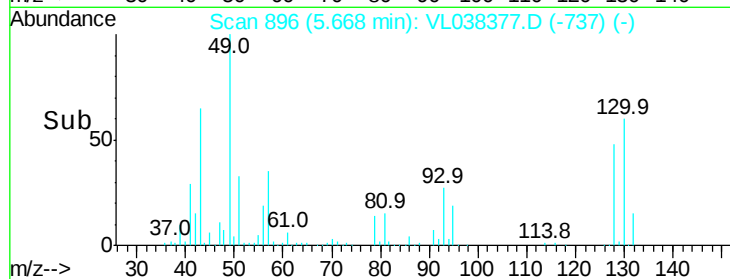
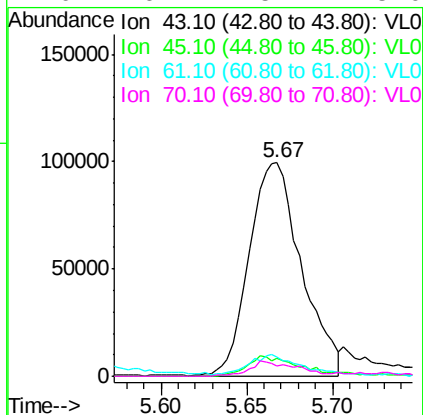
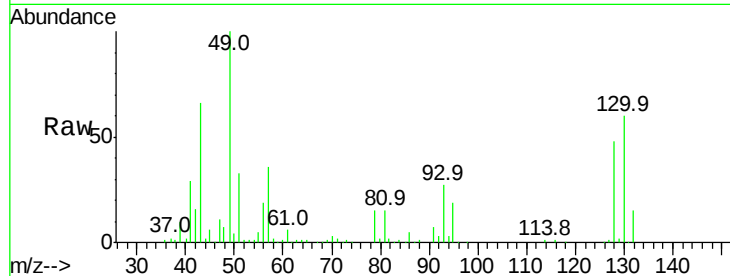
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0





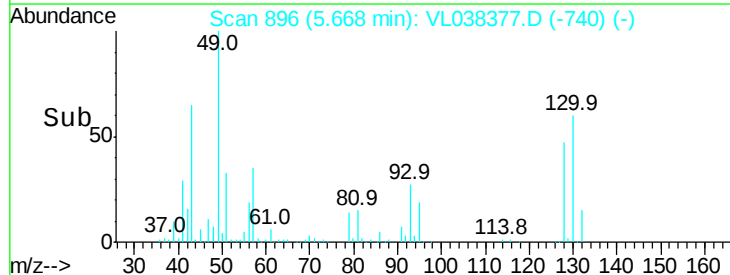
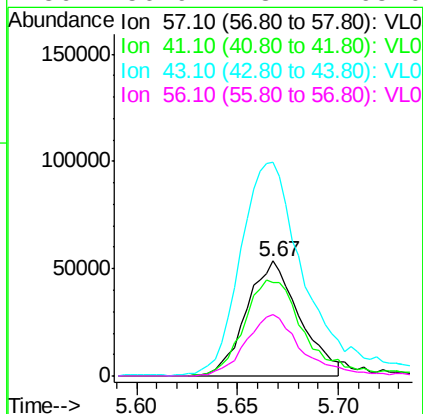
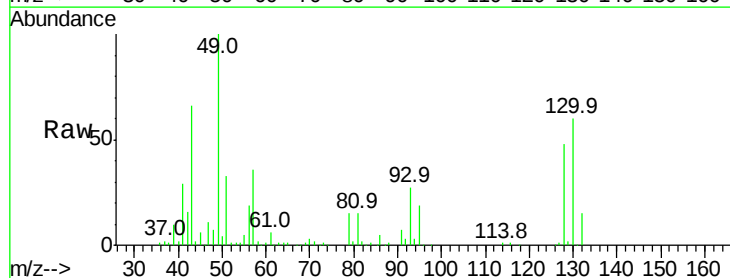
#25
Ethyl Acetate
Concen: 0.87 ppbv
RT: 5.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
VSTDIC001
Acq: 22 Feb 2022 5:28

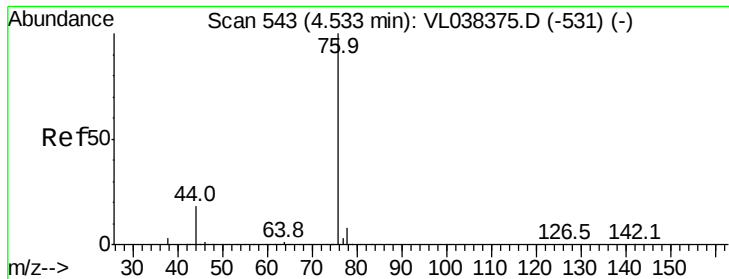
Tgt Ion:	43	Resp:	208397
Ion	Ratio	Lower	Upper
43	100		
45	10.5	7.8	11.6
61	11.3	7.5	11.3
70	6.7	5.4	8.0



#26
Hexane
Concen: 0.89 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL038377.D
Acq: 22 Feb 2022 5:28

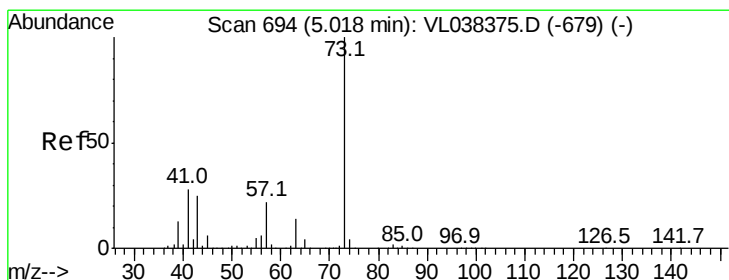
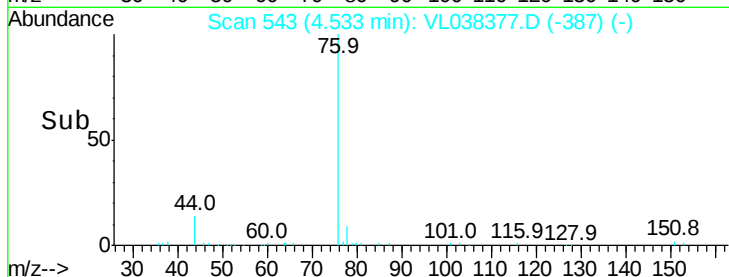
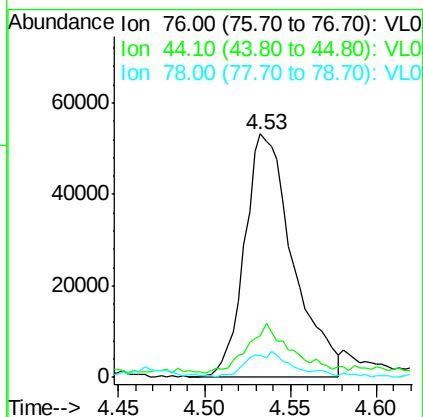
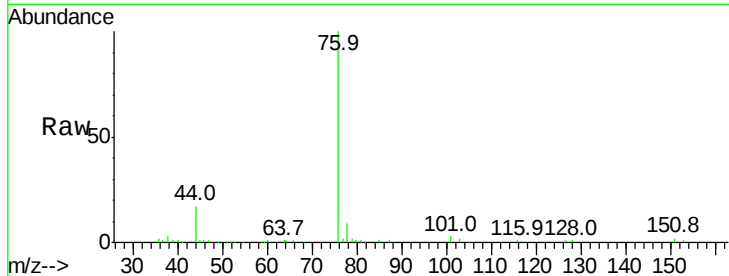
Tgt Ion:	57	Resp:	98878
Ion	Ratio	Lower	Upper
57	100		
41	97.9	73.1	109.7
43	239.2	181.0	271.4
56	56.9	43.4	65.0





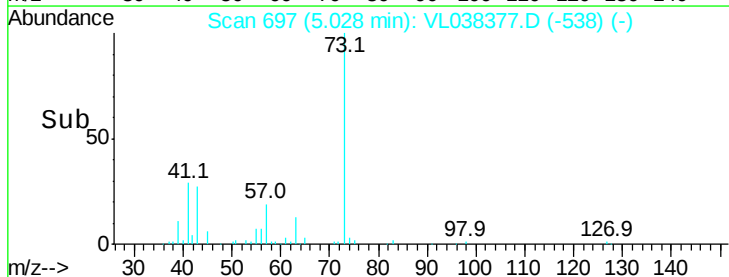
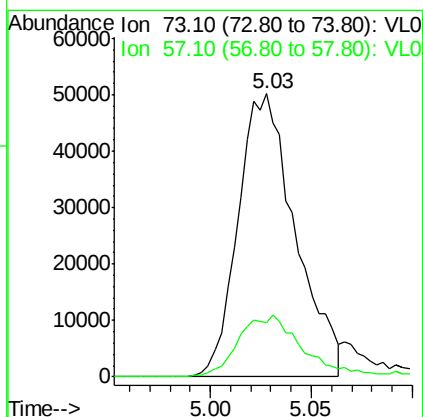
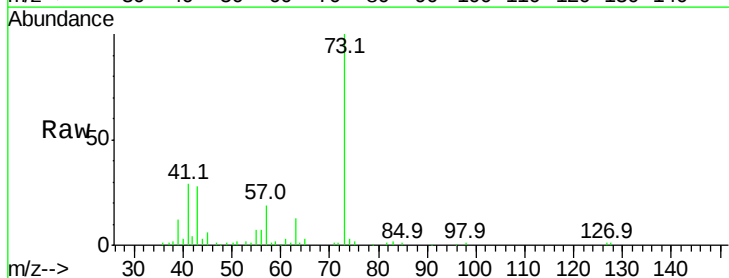
#27
Carbon Disulfide
Concen: 0.81 ppbv
RT: 4.53
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDIC001
Acq: 22 Feb 2022 5:28

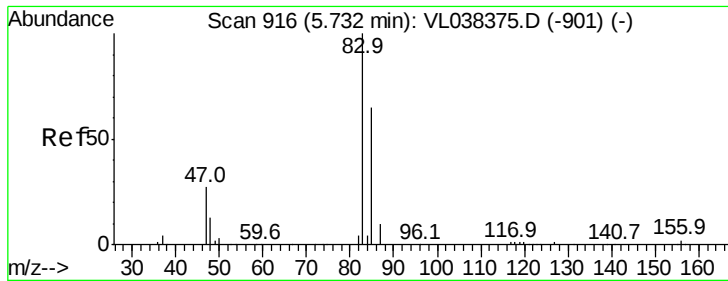
Tgt Ion: 76 Resp: 102838
Ion Ratio Lower Upper
76 100
44 20.4 14.2 21.2
78 11.1 7.8 11.6



#28
Methyl tert-Butyl Ether
Concen: 0.88 ppbv
RT: 5.03 min Scan# 697
Delta R.T. 0.01 min
Lab File: VL038377.D
Acq: 22 Feb 2022 5:28

Tgt Ion: 73 Resp: 99453
Ion Ratio Lower Upper
73 100
57 25.4 18.2 27.4





#29

Chloroform

Concen: 0.96 ppbv

RT: 5.73 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC001

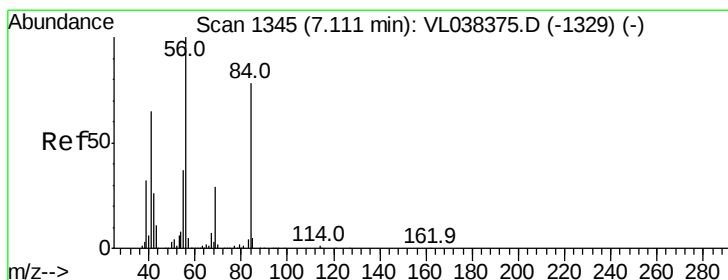
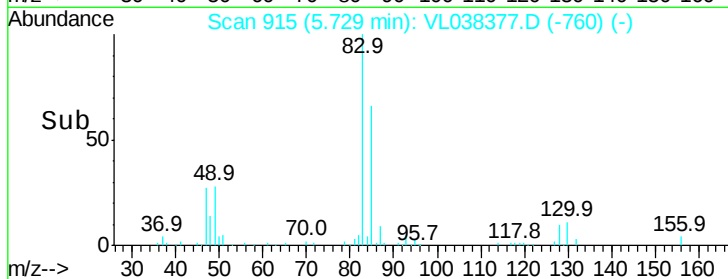
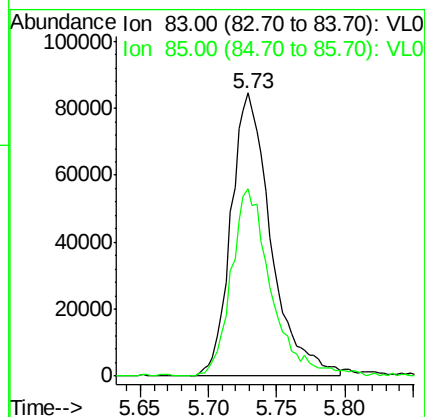
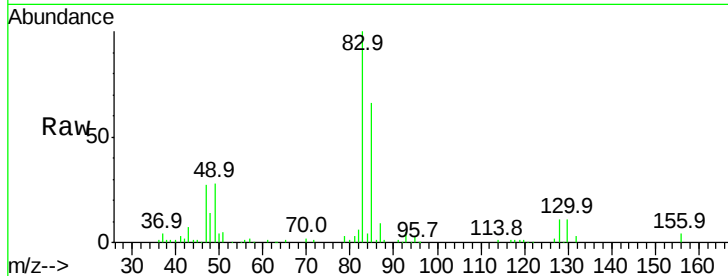
Acq: 22 Feb 2022 5:28

Tgt Ion: 83 Resp: 172368

Ion Ratio Lower Upper

83 100

85 65.9 51.6 77.4



#30

Cyclohexane

Concen: 0.55 ppbv

RT: 7.11 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VL038377.D

Acq: 22 Feb 2022 5:28

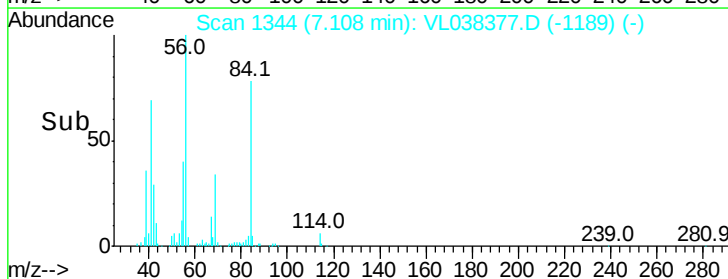
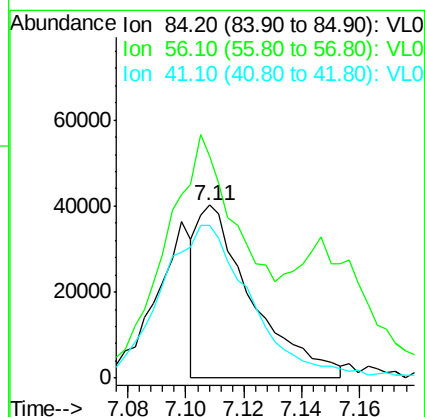
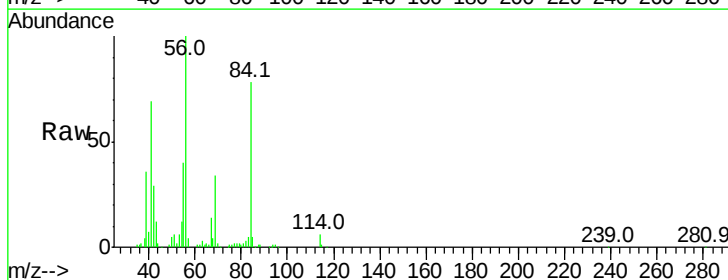
Tgt Ion: 84 Resp: 51788

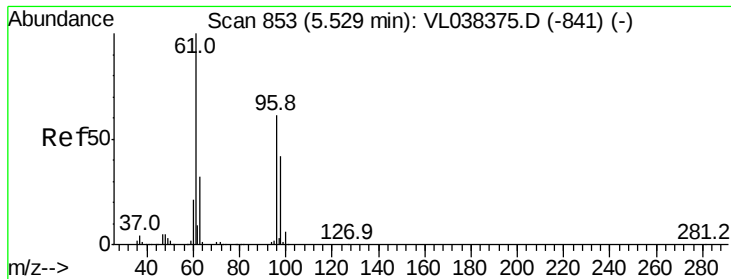
Ion Ratio Lower Upper

84 100

56 224.9 116.2 174.4#

41 151.7 74.3 111.5#





#31

cis-1,2-Dichloroethene

Concen: 0.92 ppbv

RT: 5.53 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 22 Feb 2022 5:28 VSTDIC001

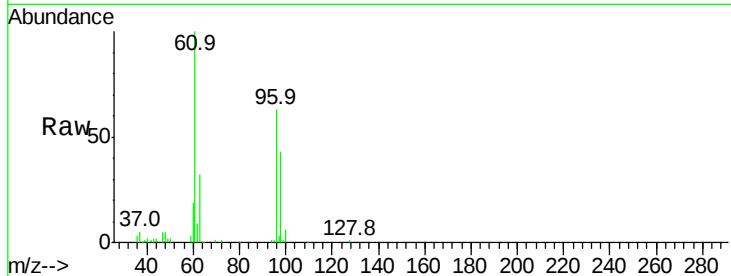
Tgt Ion: 61 Resp: 92655

Ion Ratio Lower Upper

61 100

96 61.1 48.6 73.0

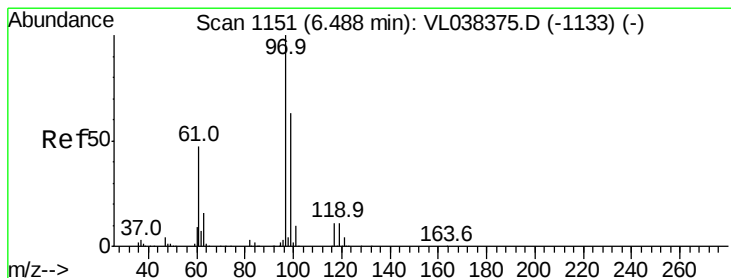
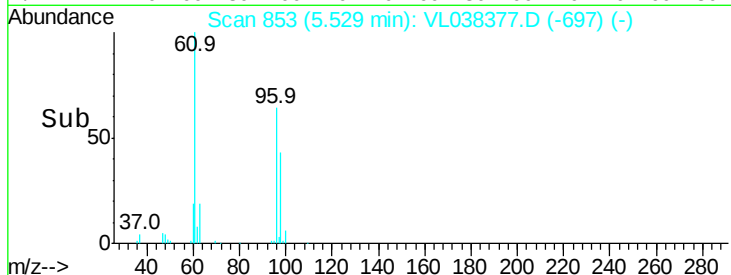
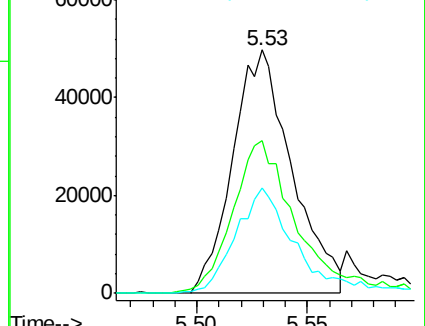
98 42.5 33.2 49.8



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: 0.91 ppbv

RT: 6.48 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VL038377.D

Acq: 22 Feb 2022 5:28

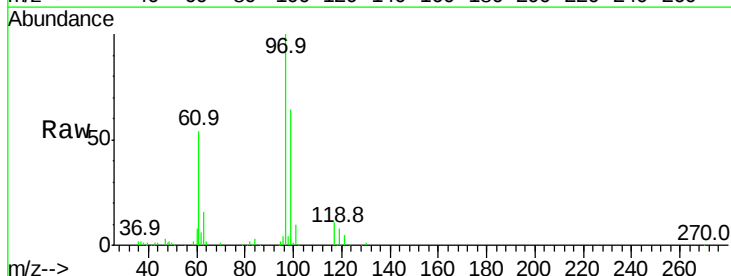
Tgt Ion: 97 Resp: 163325

Ion Ratio Lower Upper

97 100

99 66.9 51.9 77.9

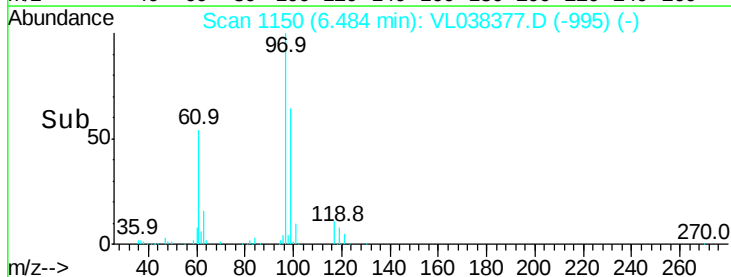
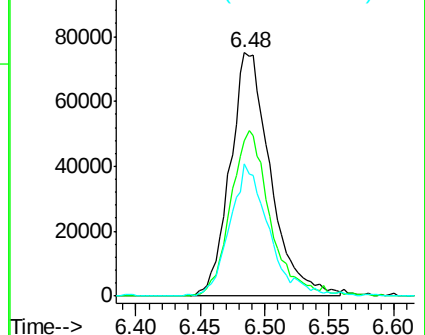
61 52.8 40.5 60.7

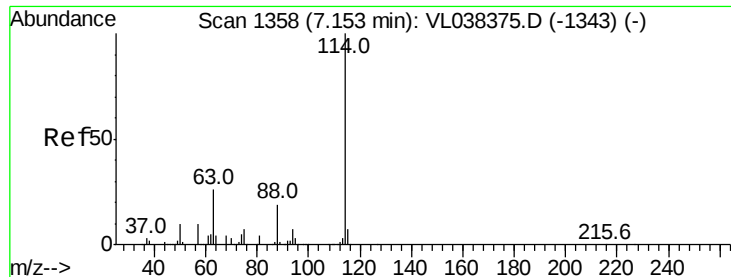


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

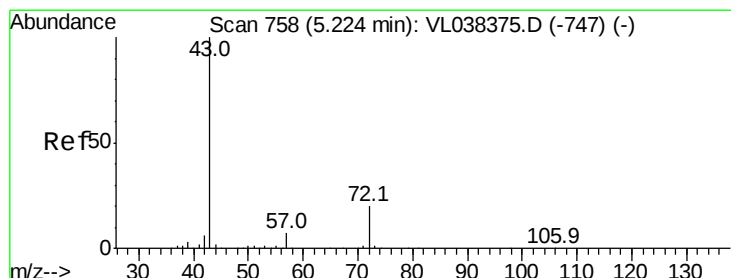
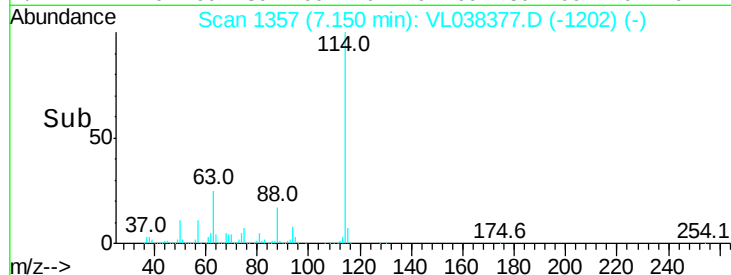
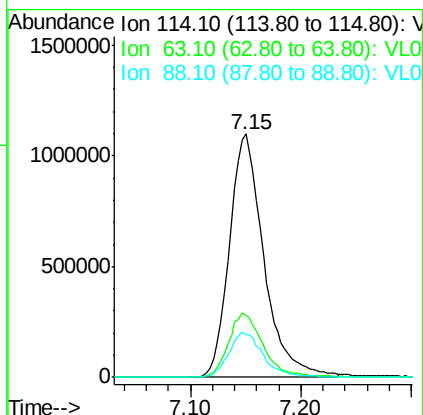
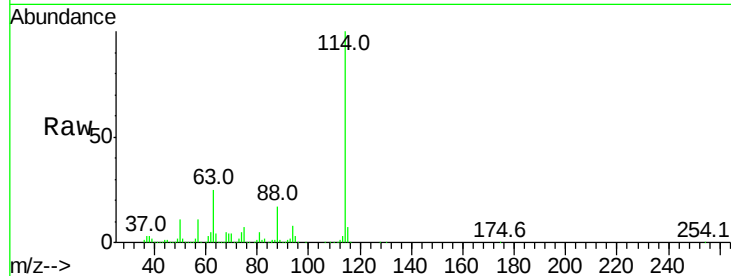




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 22 Feb 2022 5:28

Tgt Ion: 114 Resp: 2379928

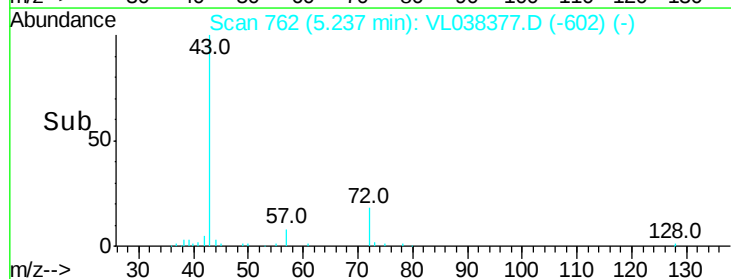
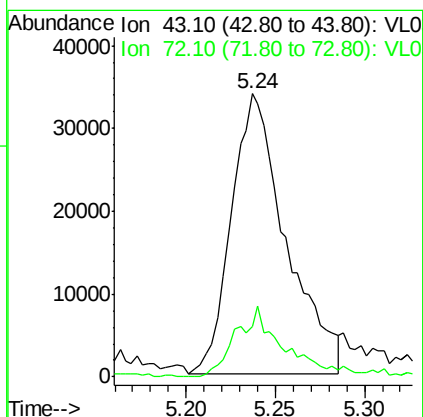
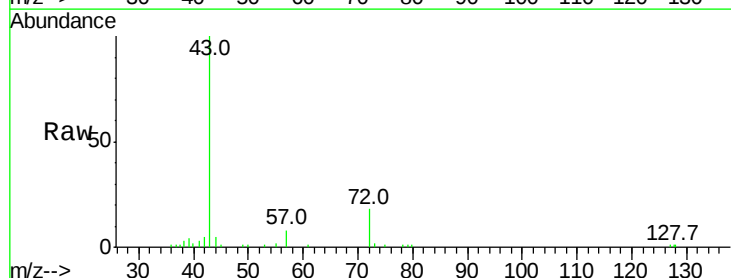
Ion	Ratio	Lower	Upper
114	100		
63	27.2	22.2	33.2
88	18.8	15.2	22.8

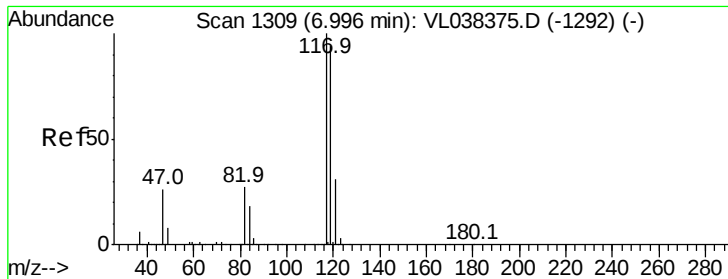


#34
 2-Butanone
 Concen: 0.92 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VL038377.D
 Acq: 22 Feb 2022 5:28

Tgt Ion: 43 Resp: 72484

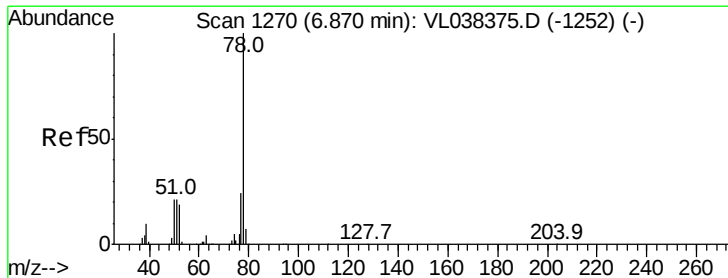
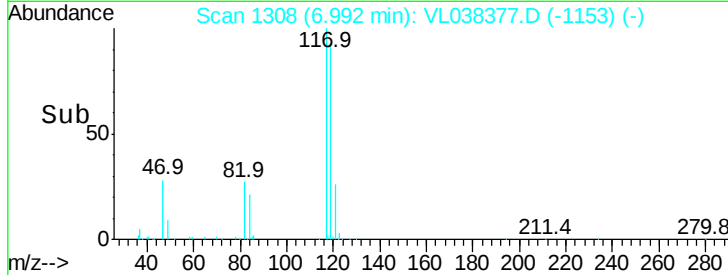
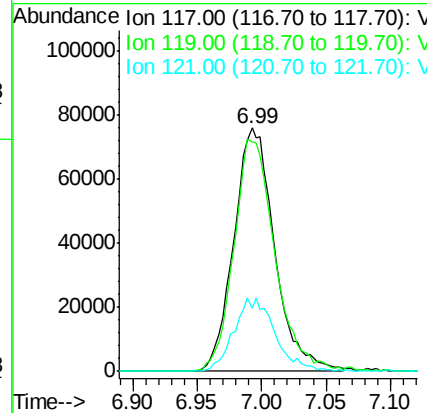
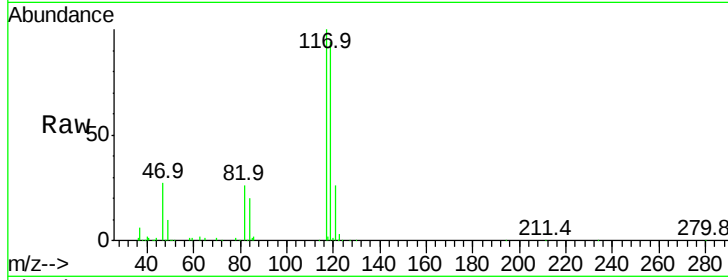
Ion	Ratio	Lower	Upper
43	100		
72	23.6	17.4	26.2





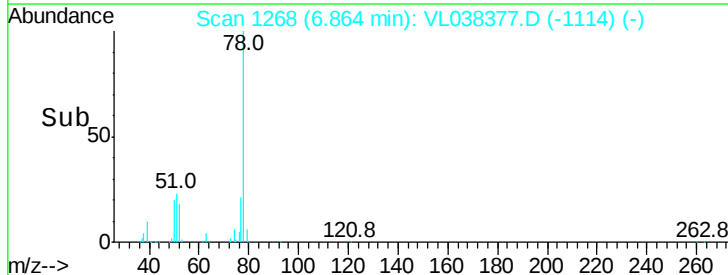
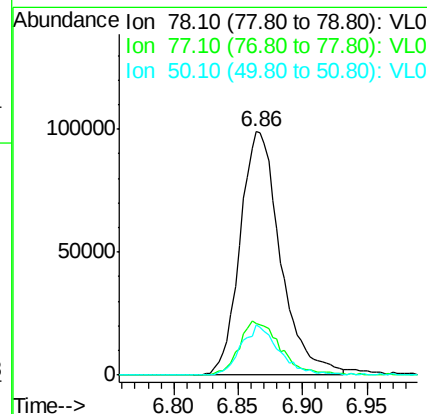
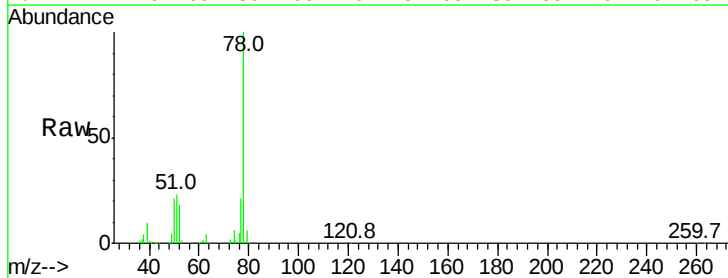
#35
Carbon Tetrachloride
Concen: 1.00 ppbv
RT: 6.99
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC001
Acq: 22 Feb 2022 5:28

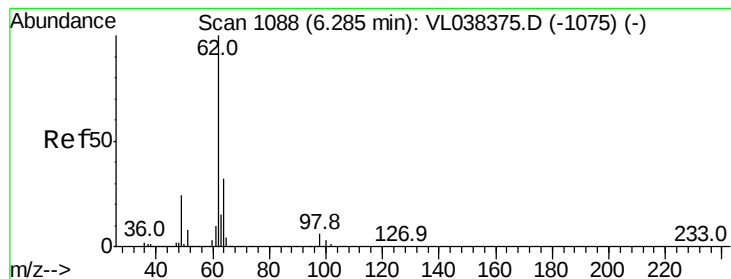
Tgt Ion: 117 Resp: 167237
Ion Ratio Lower Upper
117 100
119 93.7 74.9 112.3
121 25.9 24.8 37.2



#36
Benzene
Concen: 1.02 ppbv
RT: 6.86 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VL038377.D
Acq: 22 Feb 2022 5:28

Tgt Ion: 78 Resp: 215232
Ion Ratio Lower Upper
78 100
77 21.2 19.0 28.6
50 20.6 16.6 24.8





#37

1,2-Dichloroethane

Concen: 0.99 ppbv

RT: 6.29 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

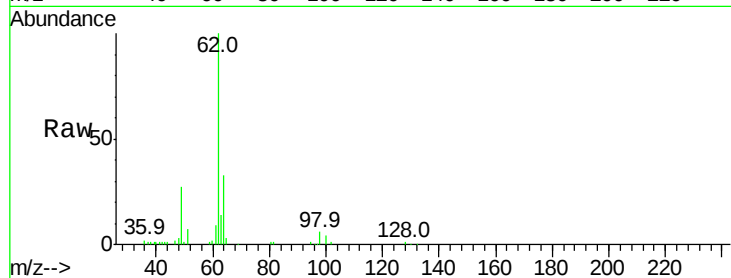
Acq: 22 Feb 2022 5:28 VSTDIC001

Tgt Ion: 62 Resp: 119635

Ion Ratio Lower Upper

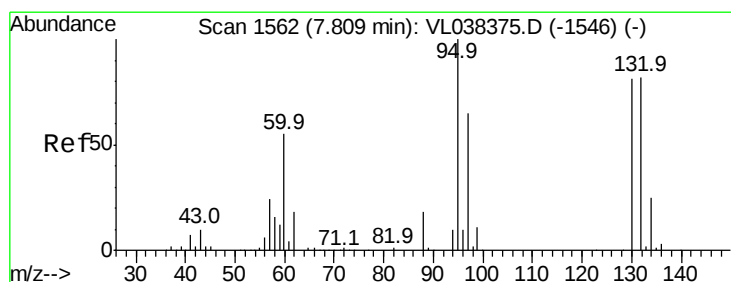
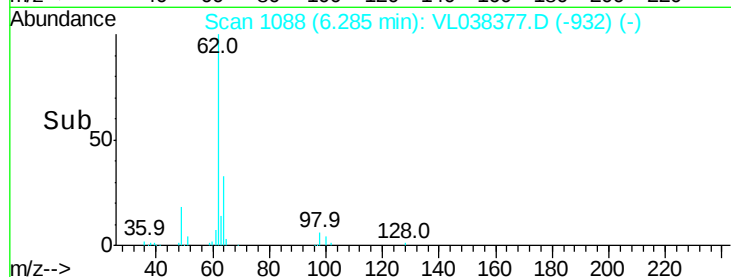
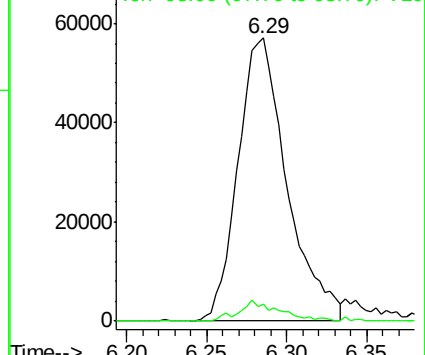
62 100

98 6.4 4.6 7.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 0.90 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VL038377.D

Acq: 22 Feb 2022 5:28

Tgt Ion: 130 Resp: 70949

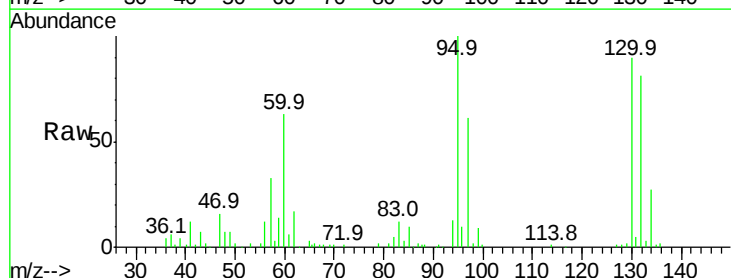
Ion Ratio Lower Upper

130 100

95 111.4 98.1 147.1

132 91.0 80.3 120.5

97 68.1 63.5 95.3

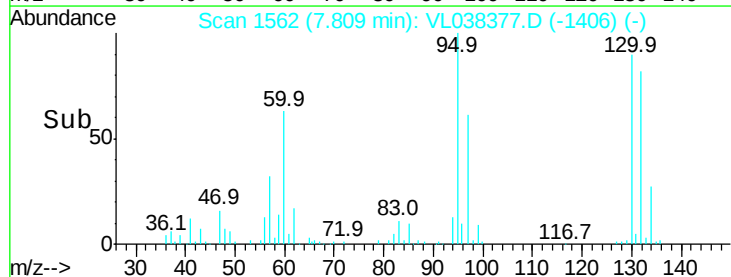
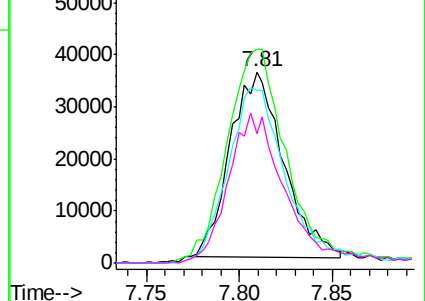


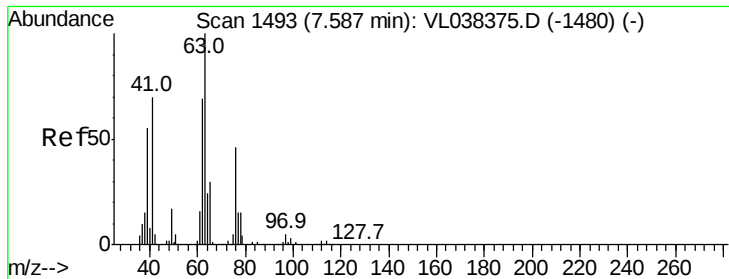
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

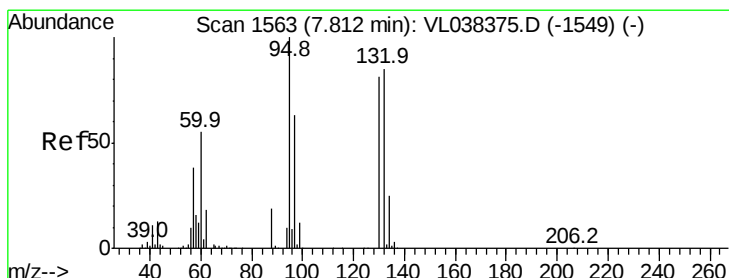
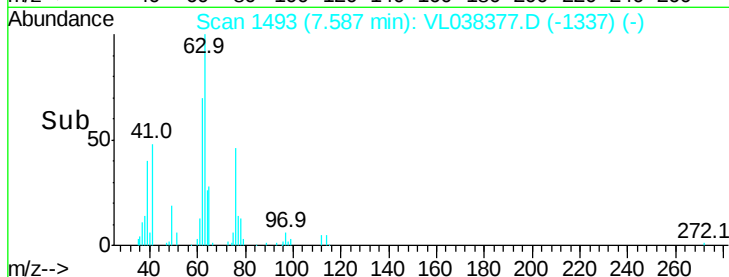
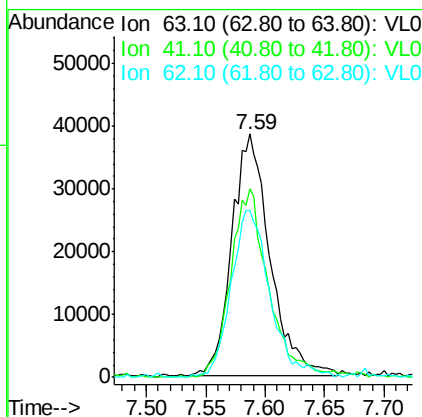
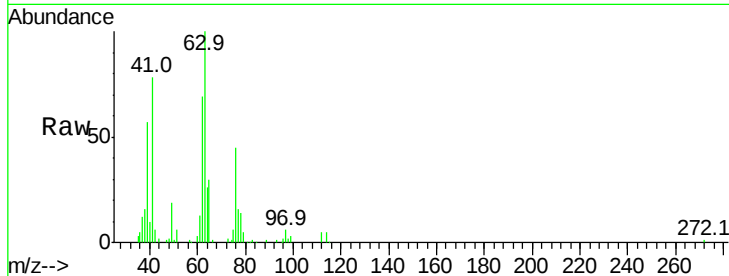
Ion 97.00 (96.70 to 97.70): VL0





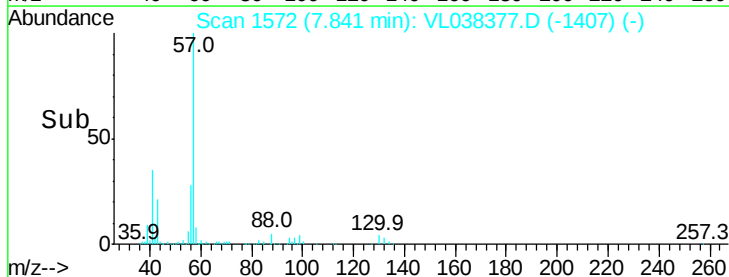
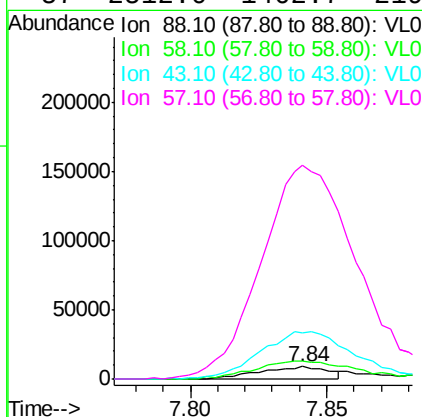
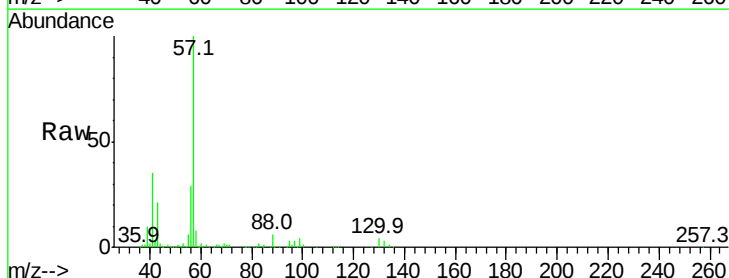
#39
 1,2-Dichloropropane
 Concen: 1.00 ppbv
 RT: 7.59
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 22 Feb 2022 5:28

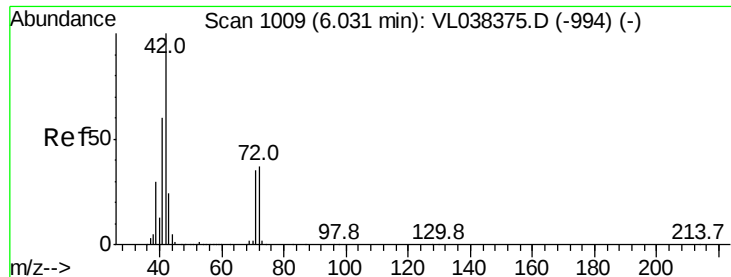
Tgt Ion	Ratio	Lower	Upper
63	100		
41	78.3	56.1	84.1
62	69.2	55.5	83.3



#40
 1,4-Dioxane
 Concen: 0.74 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.03 min
 Lab File: VL038377.D
 Acq: 22 Feb 2022 5:28

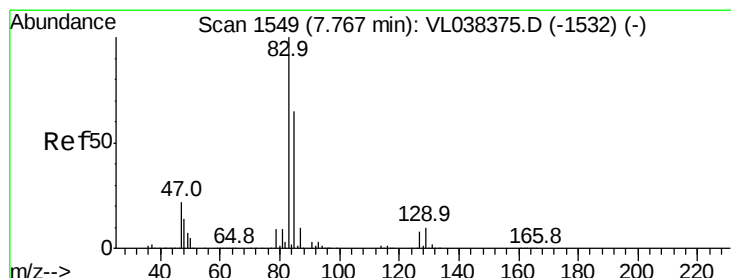
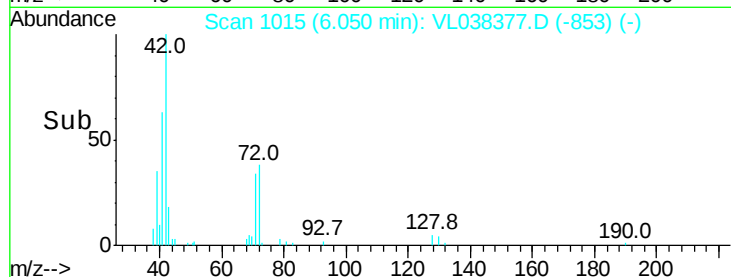
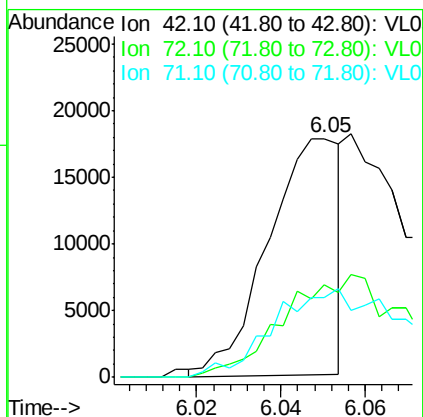
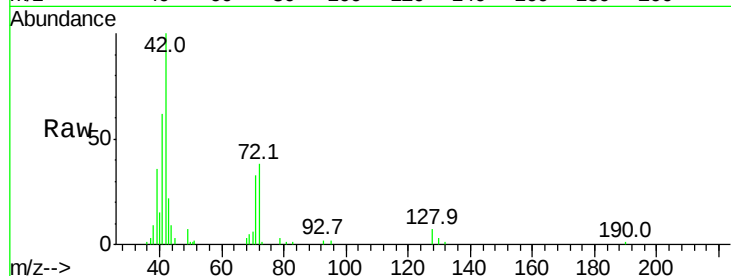
Tgt Ion	Ratio	Lower	Upper
88	100		
58	242.9	133.2	199.8#
43	569.9	330.6	496.0#
57	2512.0	1462.7	2194.1#





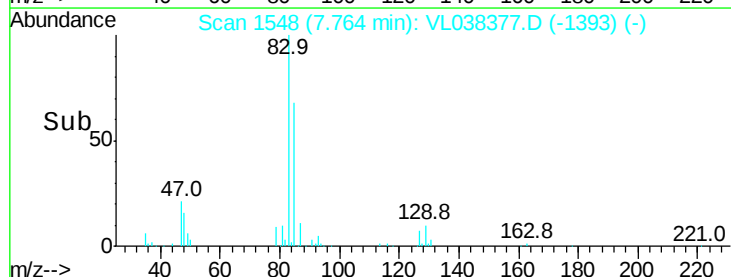
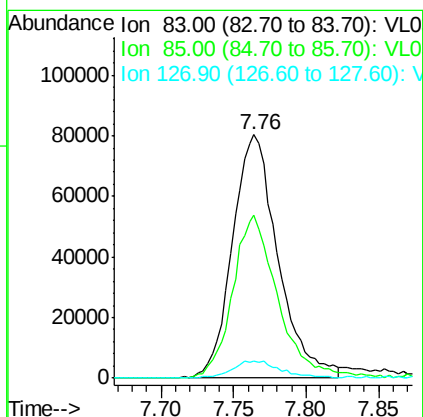
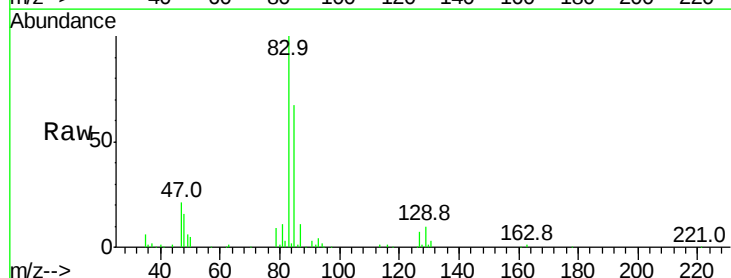
#41
Tetrahydrofuran
Concen: 0.40 ppbv
RT: 6.05
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC001
Acq: 22 Feb 2022 5:28

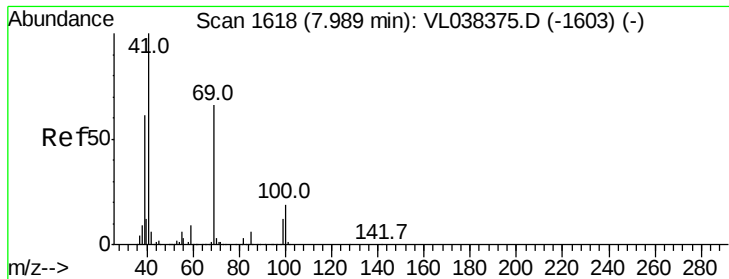
Tgt Ion: 42 Resp: 20973
Ion Ratio Lower Upper
42 100
72 0.0 29.9 44.9#
71 0.0 28.6 42.8#



#42
Bromodichloromethane
Concen: 0.98 ppbv
RT: 7.76 min Scan# 1548
Delta R.T. -0.00 min
Lab File: VL038377.D
Acq: 22 Feb 2022 5:28

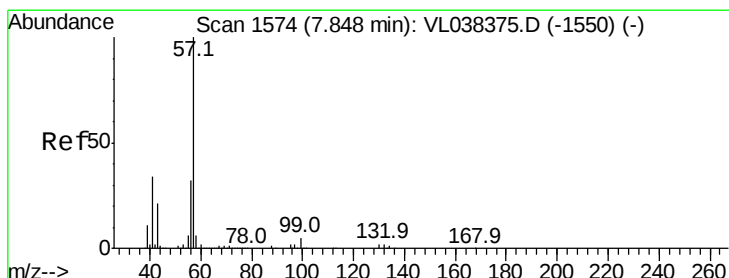
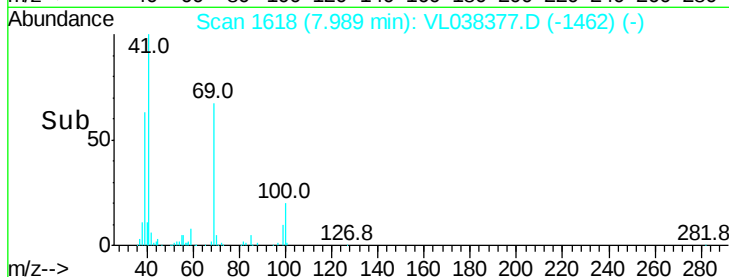
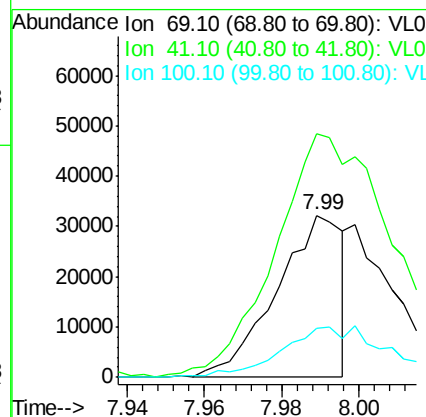
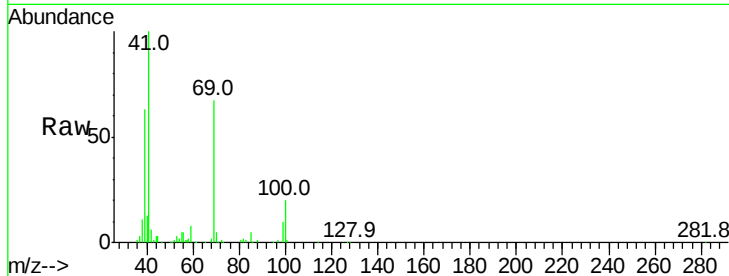
Tgt Ion: 83 Resp: 175627
Ion Ratio Lower Upper
83 100
85 67.0 52.2 78.4
127 7.1 6.2 9.4





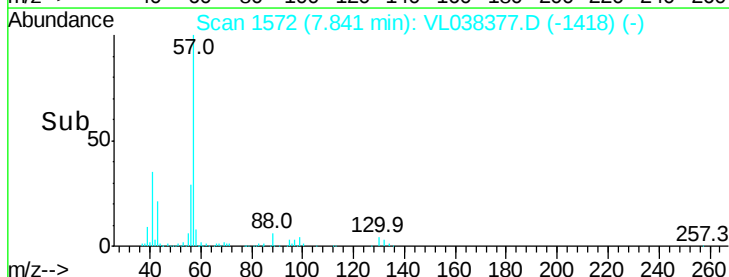
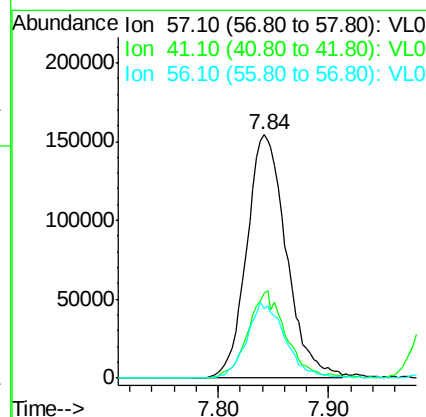
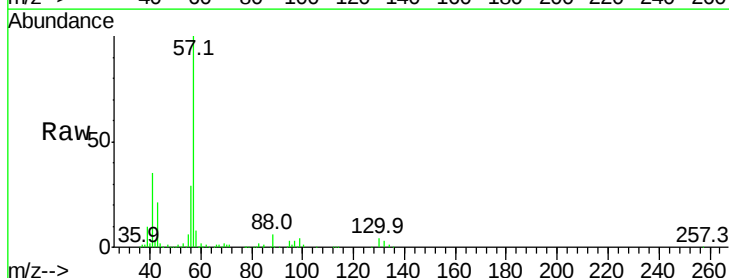
#43
Methyl Methacrylate
Concen: 0.51 ppbv
RT: 7.99
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC001
Acq: 22 Feb 2022 5:28

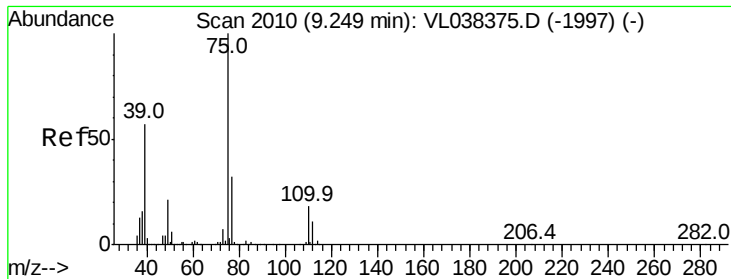
Tgt Ion: 69 Resp: 38278
Ion Ratio Lower Upper
69 100
41 288.3 122.9 184.3#
100 0.0 23.6 35.4#



#44
2,2,4-Trimethylpentane
Concen: 1.03 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL038377.D
Acq: 22 Feb 2022 5:28

Tgt Ion: 57 Resp: 383816
Ion Ratio Lower Upper
57 100
41 34.7 26.6 39.8
56 30.5 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 0.80 ppbv

RT: 9.25 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

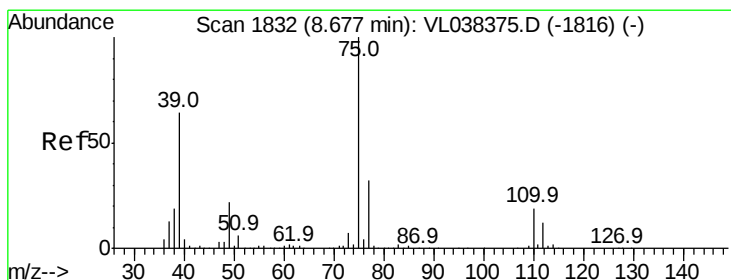
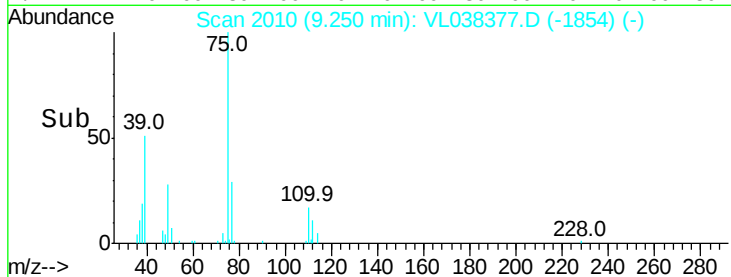
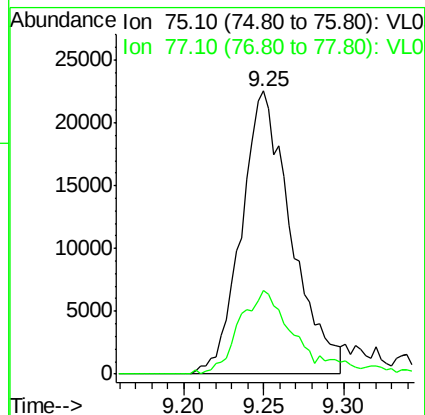
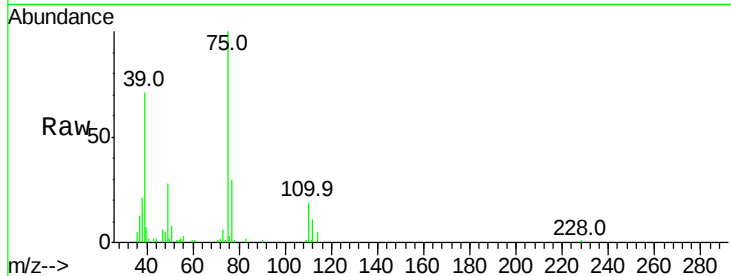
Acq: 22 Feb 2022 5:28 VSTDIC001

Tgt Ion: 75 Resp: 48227

Ion Ratio Lower Upper

75 100

77 29.7 25.4 38.0



#46

cis-1,3-Dichloropropene

Concen: 0.84 ppbv

RT: 8.67 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VL038377.D

Acq: 22 Feb 2022 5:28

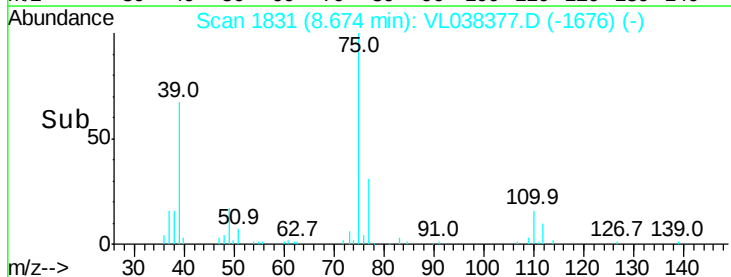
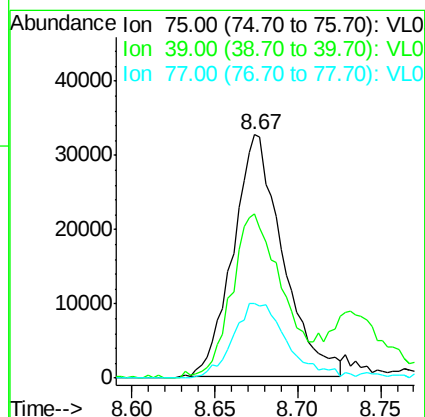
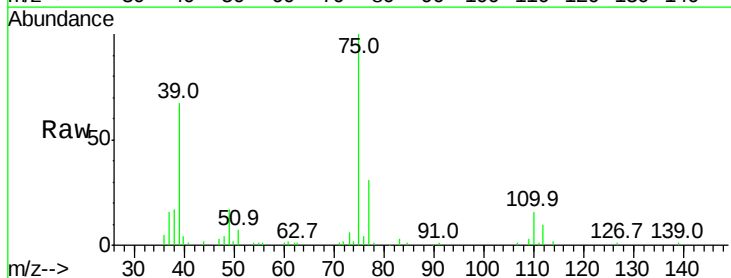
Tgt Ion: 75 Resp: 68081

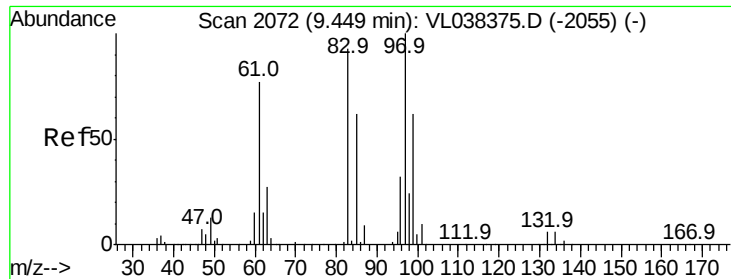
Ion Ratio Lower Upper

75 100

39 66.6 51.4 77.2

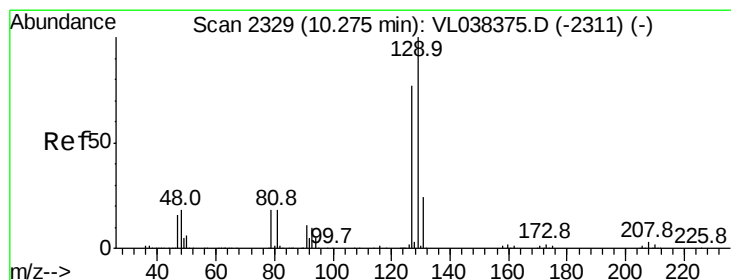
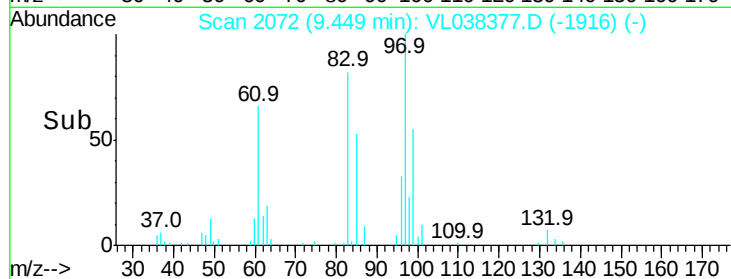
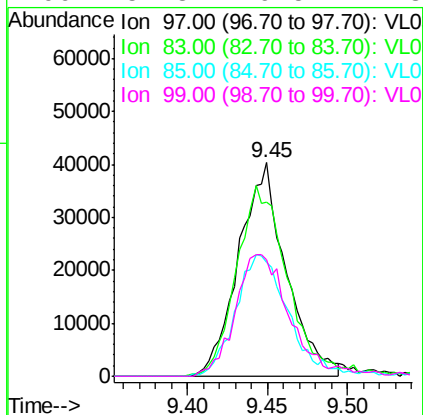
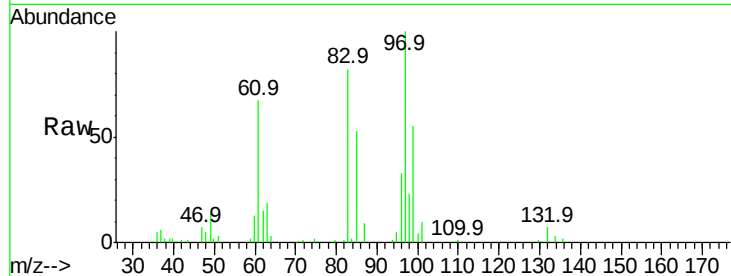
77 30.8 25.4 38.2





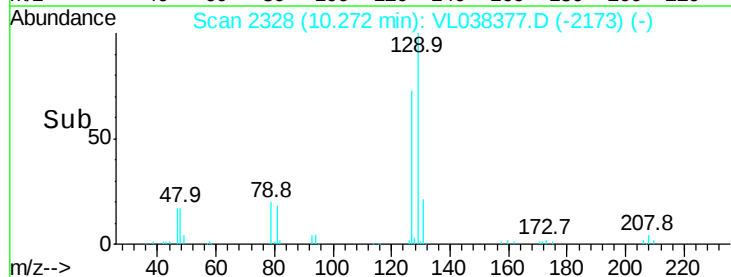
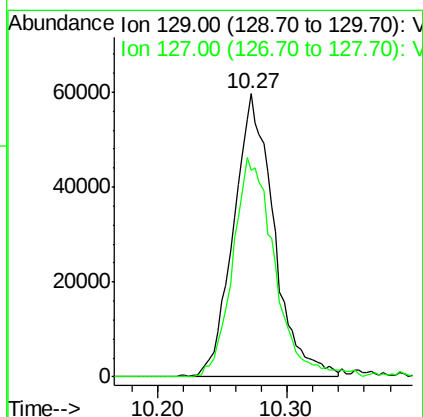
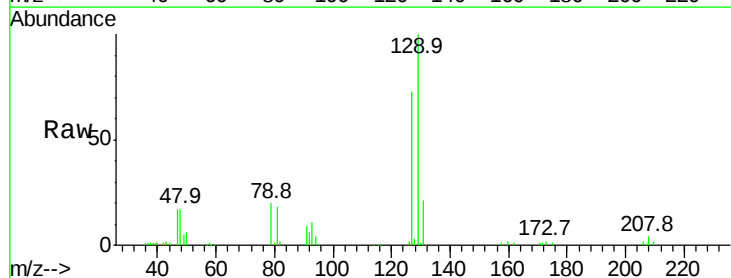
#47
 1,1,2-Trichloroethane
 Concen: 0.97 ppbv
 RT: 9.45 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 22 Feb 2022 5:28

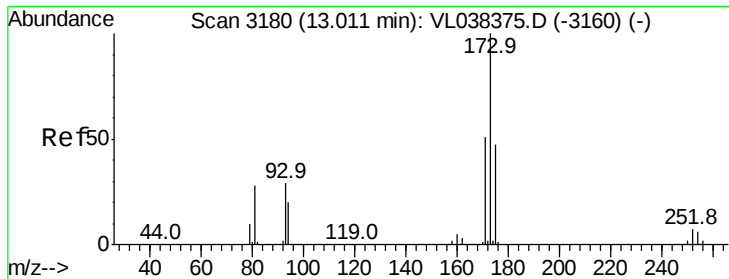
Tgt Ion:	97	Resp:	81881
Ion	Ratio	Lower	Upper
97	100		
83	80.9	74.2	111.4
85	53.4	49.8	74.8
99	54.8	49.5	74.3



#48
 Dibromochloromethane
 Concen: 0.92 ppbv
 RT: 10.27 min Scan# 2328
 Delta R.T. -0.00 min
 Lab File: VL038377.D
 Acq: 22 Feb 2022 5:28

Tgt Ion:	129	Resp:	130107
Ion	Ratio	Lower	Upper
129	100		
127	80.1	39.4	118.1





#49

Bromoform

Concen: 0.90 ppbv

RT: 13.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Feb 2022 5:28

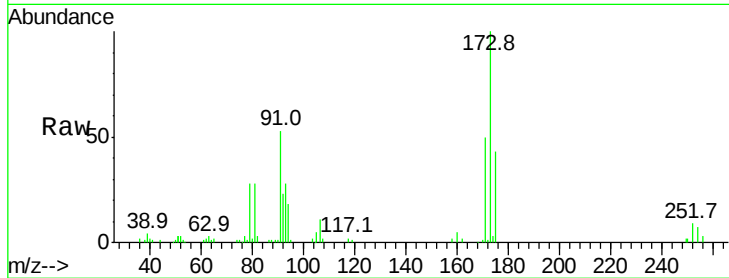
Tgt Ion: 173 Resp: 93582

Ion Ratio Lower Upper

173 100

175 51.0 40.2 60.2

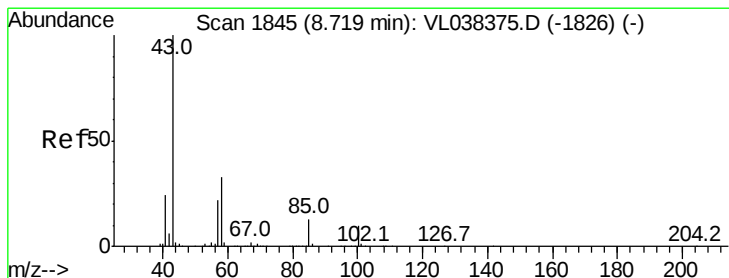
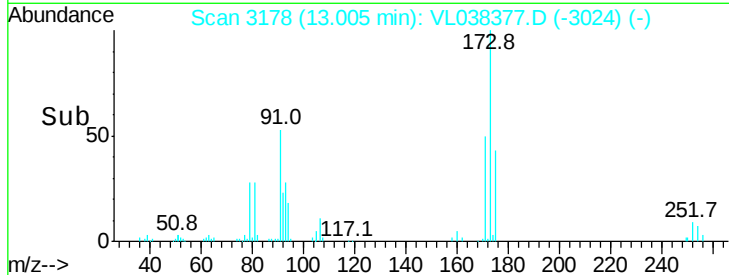
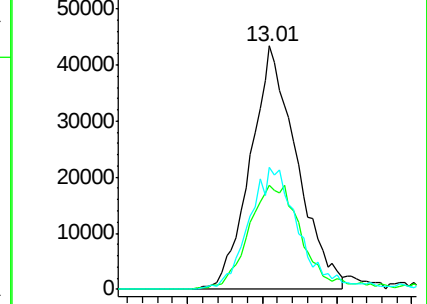
171 55.0 42.7 64.1



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: 0.36 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL038377.D

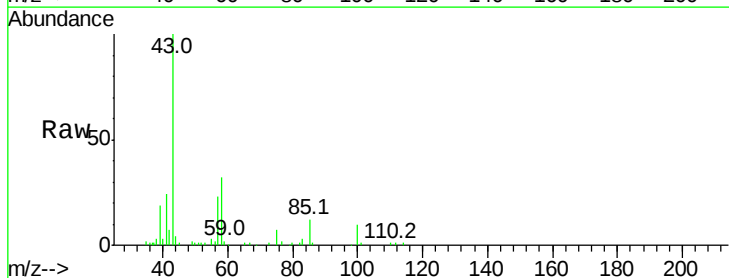
Acq: 22 Feb 2022 5:28

Tgt Ion: 43 Resp: 50878

Ion Ratio Lower Upper

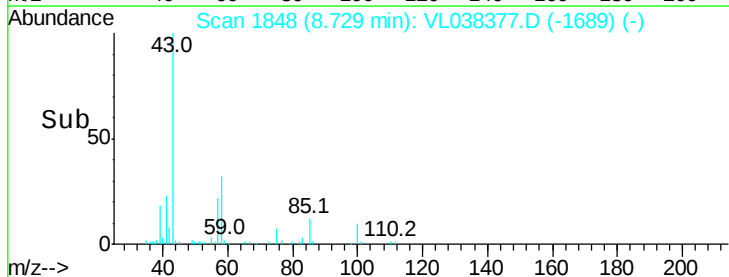
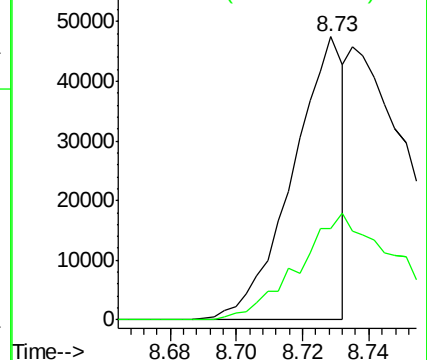
43 100

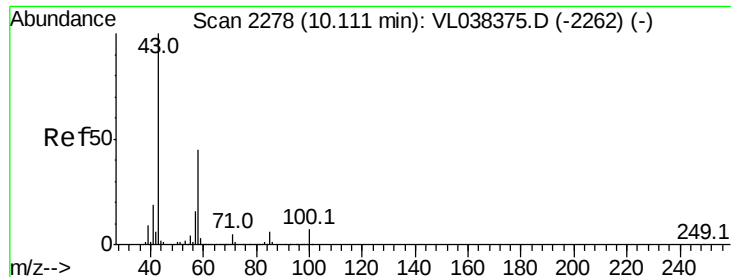
58 0.0 27.7 41.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.69 ppbv

RT: 10.12

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Feb 2022 5:28

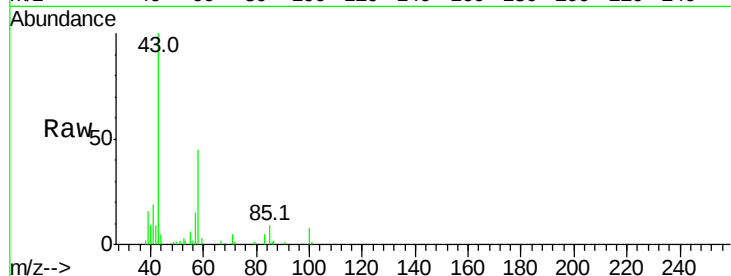
Tgt Ion: 43 Resp: 42611

Ion Ratio Lower Upper

43 100

58 54.5 37.4 56.0

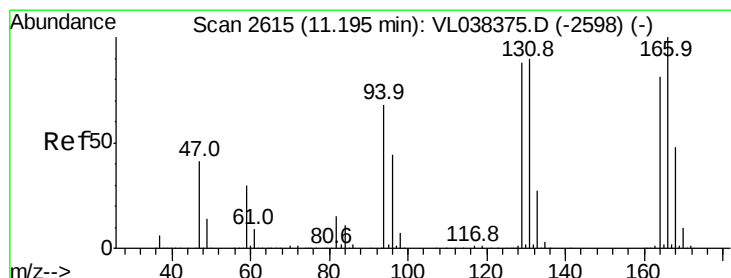
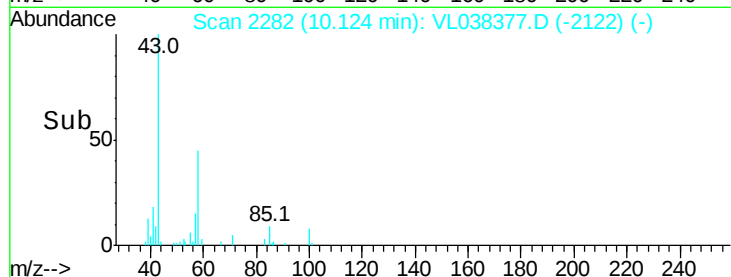
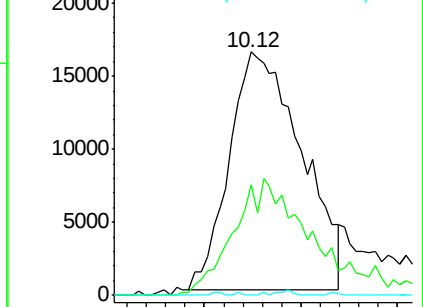
98 0.7 0.1 0.1#



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: 0.35 ppbv

RT: 11.18 min Scan# 2611

Delta R.T. -0.01 min

Lab File: VL038377.D

Acq: 22 Feb 2022 5:28

Tgt Ion: 164 Resp: 25338

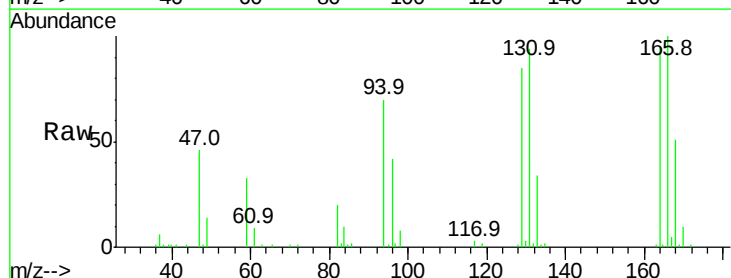
Ion Ratio Lower Upper

164 100

166 103.1 98.6 148.0

129 88.3 86.9 130.3

131 97.0 88.6 133.0

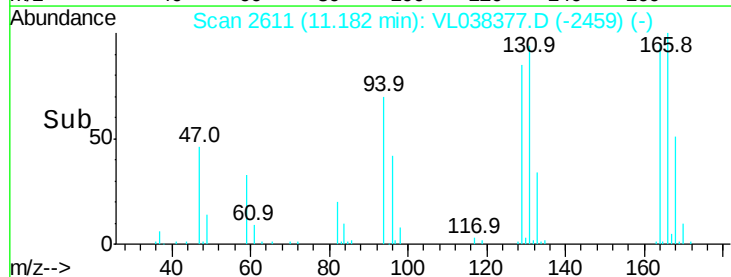
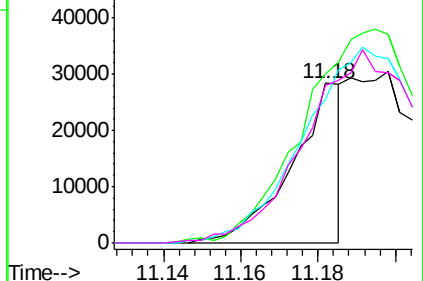


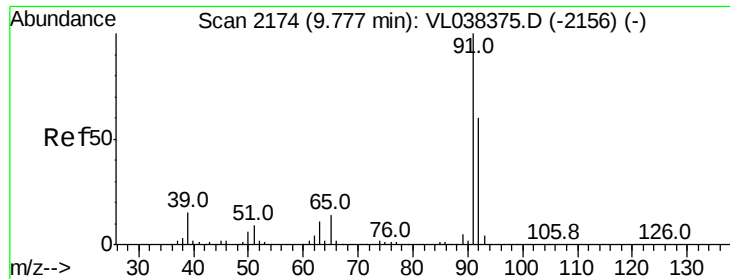
Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.98 ppbv

RT: 9.78 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

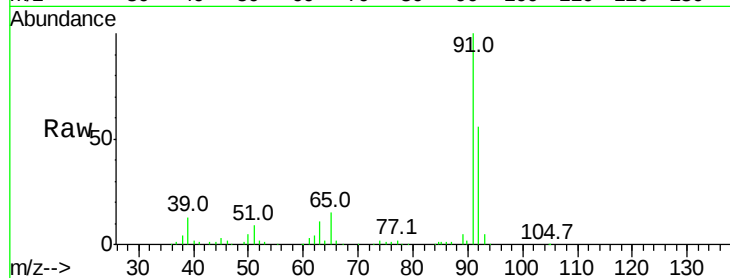
Acq: 22 Feb 2022 5:28 VSTDIC001

Tgt Ion: 91 Resp: 228111

Ion Ratio Lower Upper

91 100

92 58.8 48.2 72.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.78

120000

100000

80000

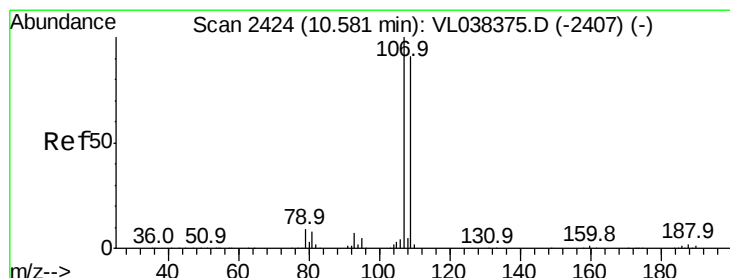
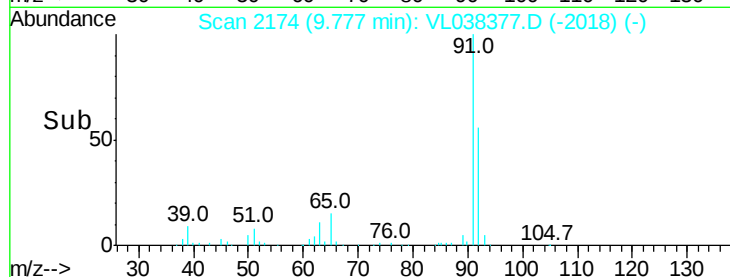
60000

40000

20000

0

Time--> 9.70 9.75 9.80 9.85



#54

1,2-Dibromoethane

Concen: 0.93 ppbv

RT: 10.58 min Scan# 2424

Delta R.T. 0.00 min

Lab File: VL038377.D

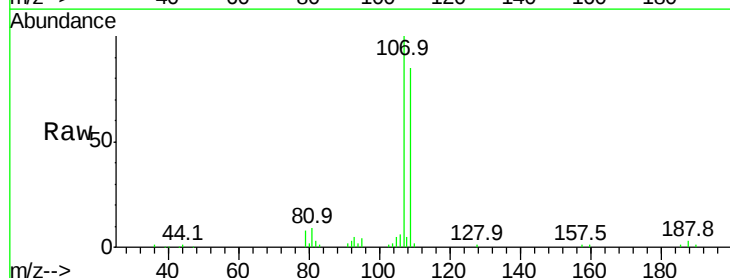
Acq: 22 Feb 2022 5:28

Tgt Ion: 107 Resp: 111447

Ion Ratio Lower Upper

107 100

109 83.6 73.0 109.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.58

50000

40000

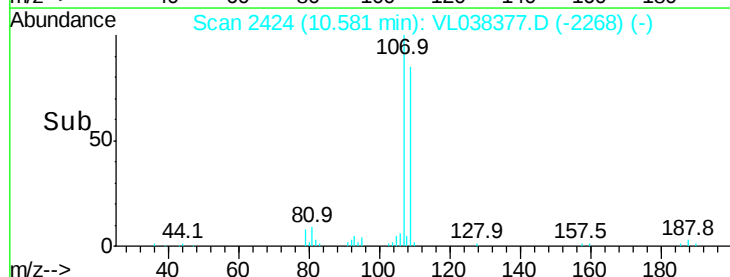
30000

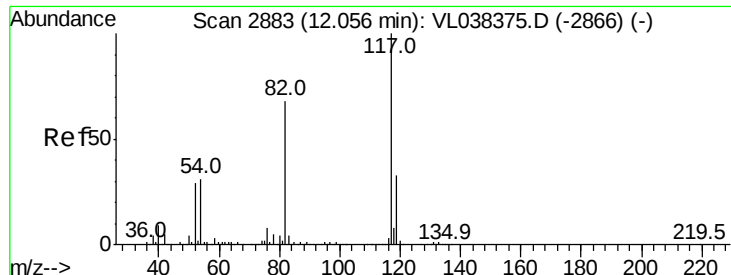
20000

10000

0

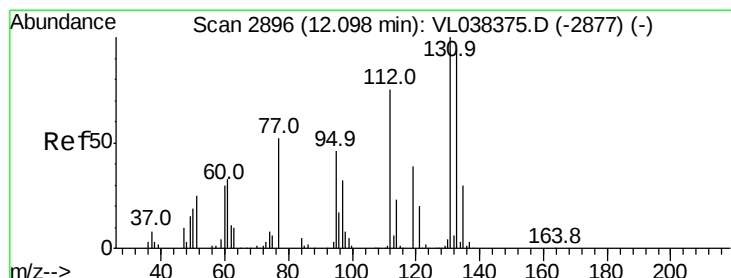
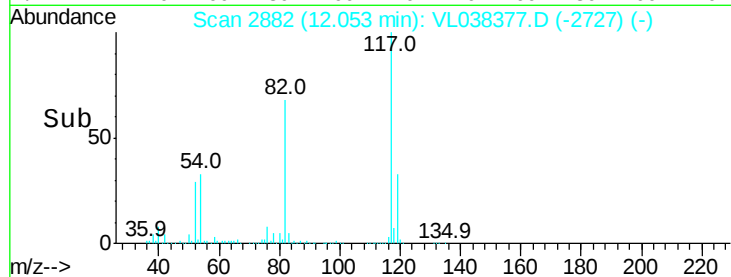
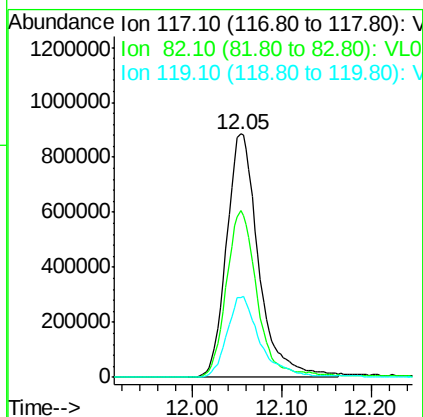
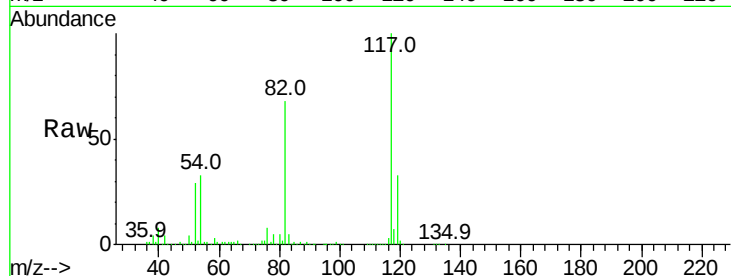
Time--> 10.50 10.55 10.60 10.65





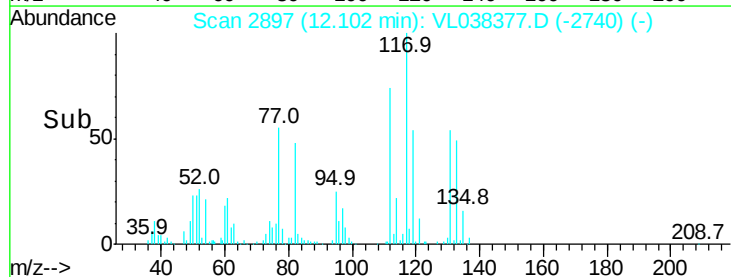
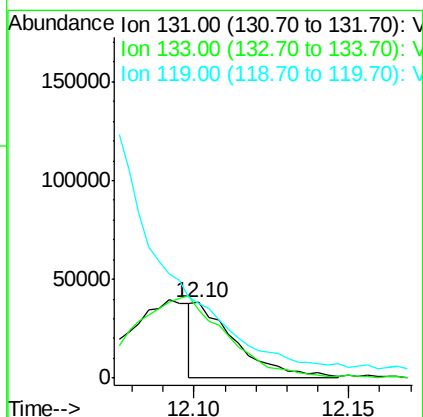
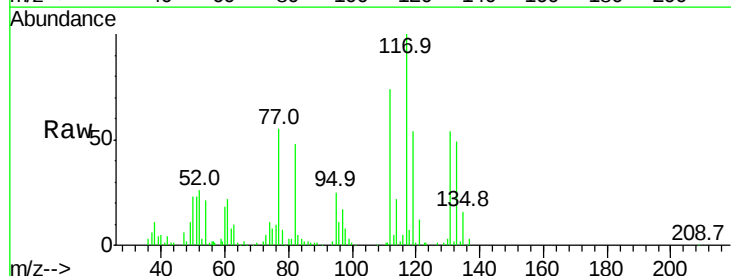
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.05 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VSTDIC001
Acq: 22 Feb 2022 5:28

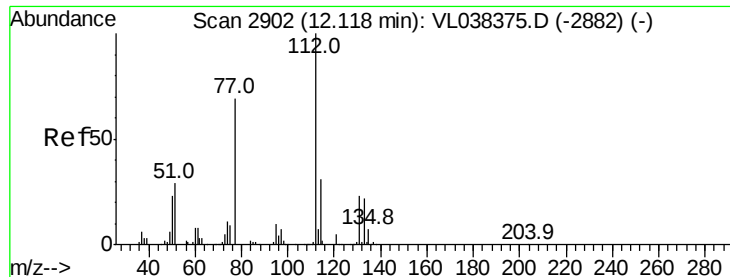
Tgt Ion:117 Resp: 2211748
Ion Ratio Lower Upper
117 100
82 67.5 54.9 82.3
119 35.1 46.1 69.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.37 ppbv
RT: 12.10 min Scan# 2897
Delta R.T.: 0.00 min
Lab File: VL038377.D
Acq: 22 Feb 2022 5:28

Tgt Ion:131 Resp: 36035
Ion Ratio Lower Upper
131 100
133 253.3 77.3 115.9#
119 0.0 48.6 73.0#





#57

Chlorobenzene

Concen: 0.94 ppbv

RT: 12.11 Instrument:

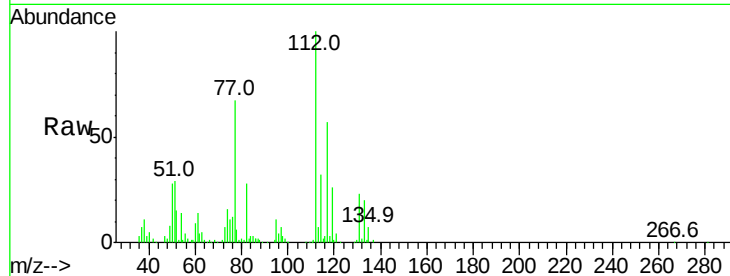
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC001

Acq: 22 Feb 2022 5:28

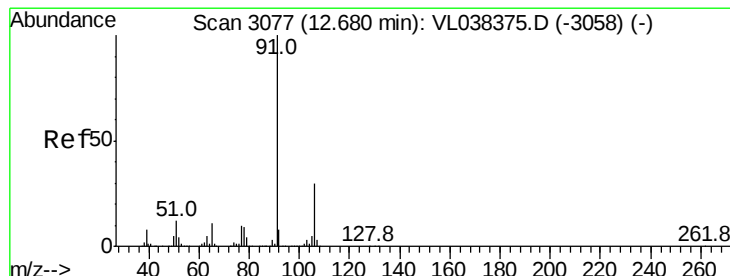
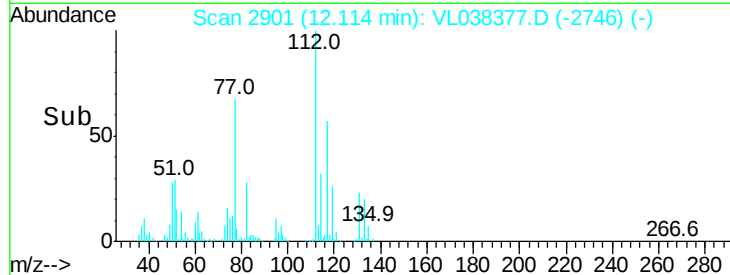
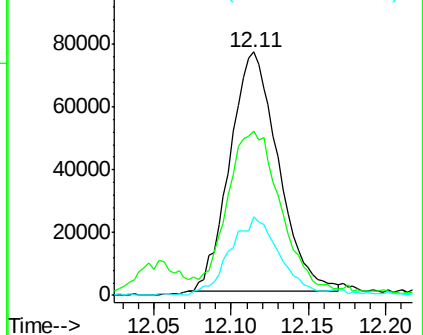
Tgt Ion:	112	Resp:	166297
Ion Ratio	Lower	Upper	
112	100		
77	65.4	55.2	82.8
114	33.0	27.9	34.1



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: 0.95 ppbv

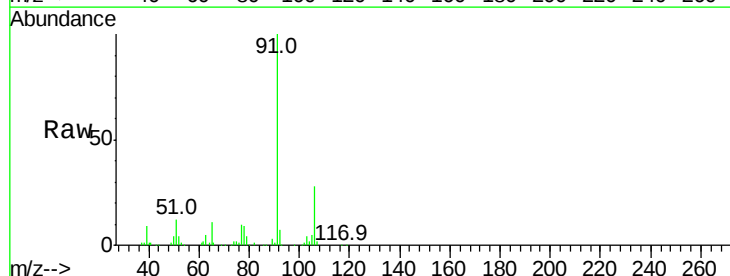
RT: 12.68 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VL038377.D

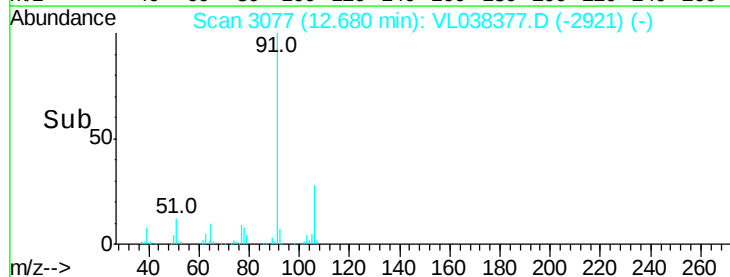
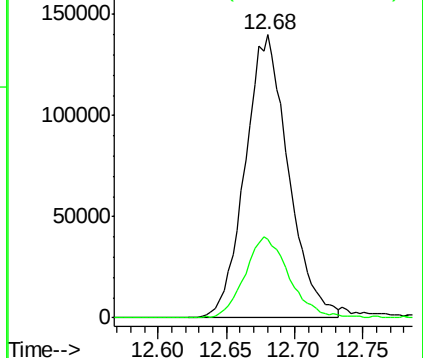
Acq: 22 Feb 2022 5:28

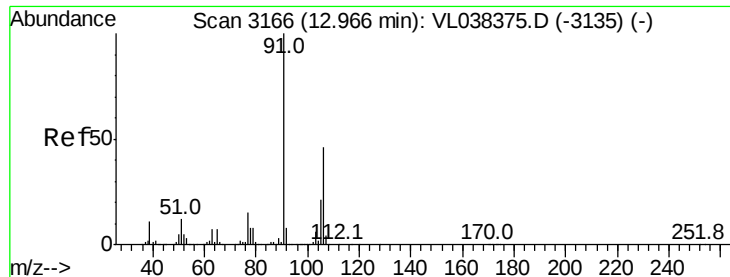
Tgt Ion:	91	Resp:	308353
Ion Ratio	Lower	Upper	
91	100		
106	28.0	24.0	36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

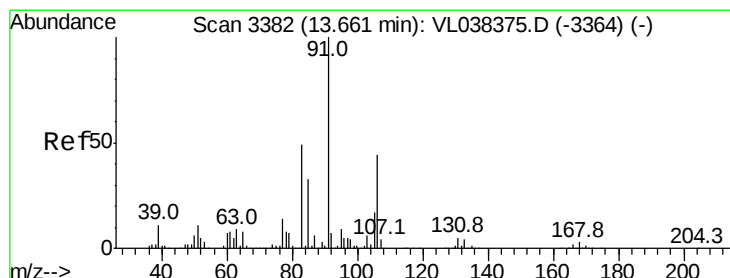
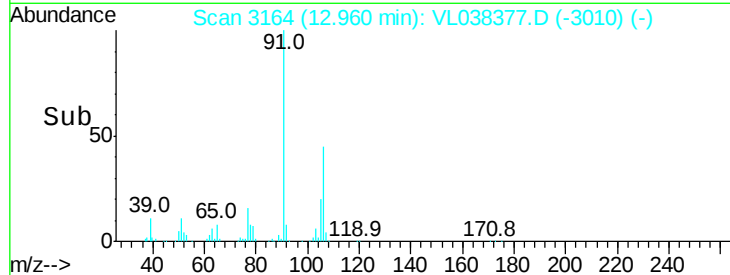
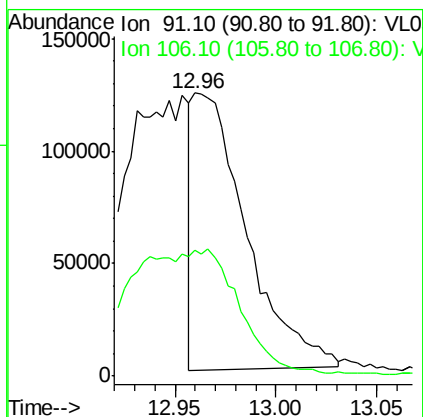
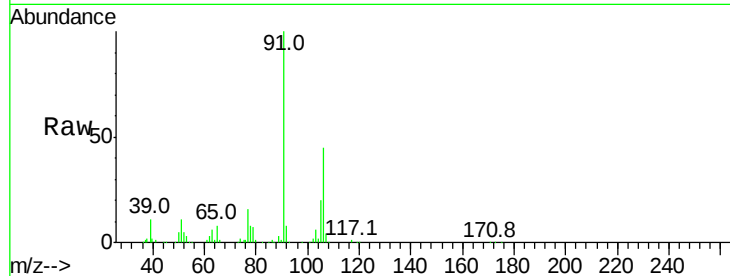
Ion 106.10 (105.80 to 106.80): V





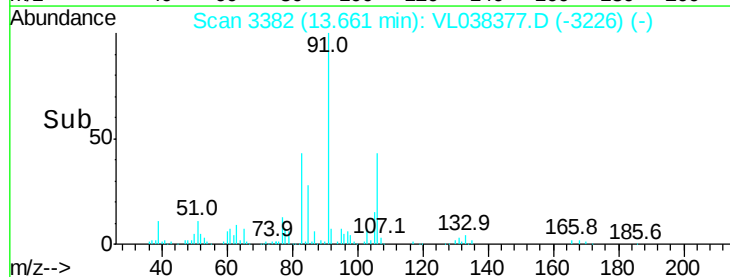
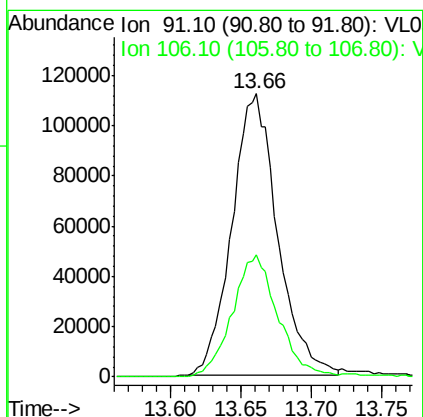
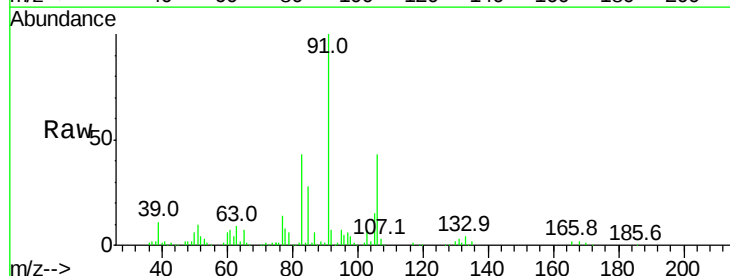
#59
m/p-Xylene
Concen: 0.81 ppbv
RT: 12.96 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Feb 2022 5:28

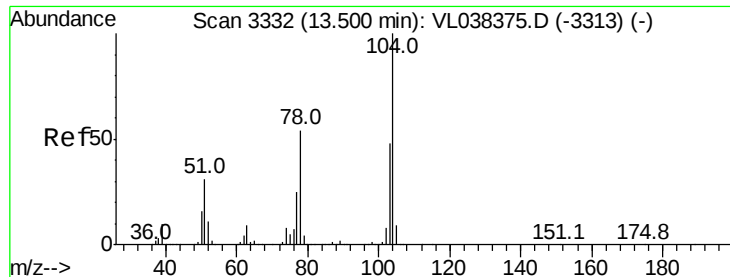
Tgt Ion: 91 Resp: 224983
Ion Ratio Lower Upper
91 100
106 100.3 34.4 51.6#



#60
o-Xylene
Concen: 0.99 ppbv
RT: 13.66 min Scan# 3382
Delta R.T. 0.00 min
Lab File: VL038377.D
Acq: 22 Feb 2022 5:28

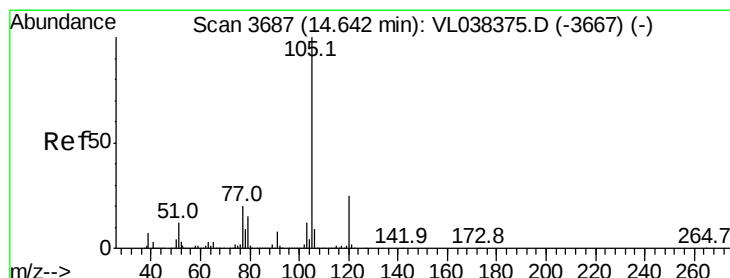
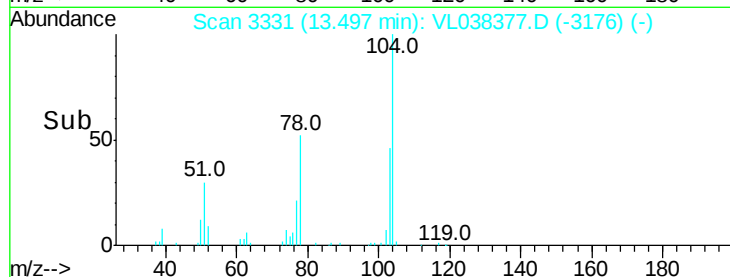
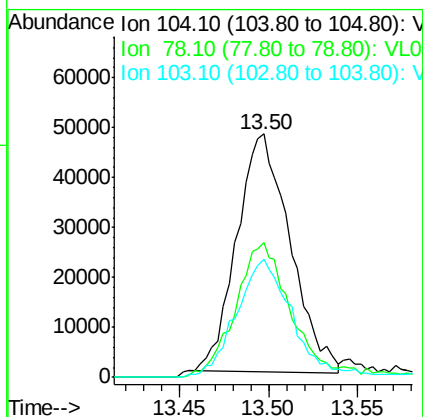
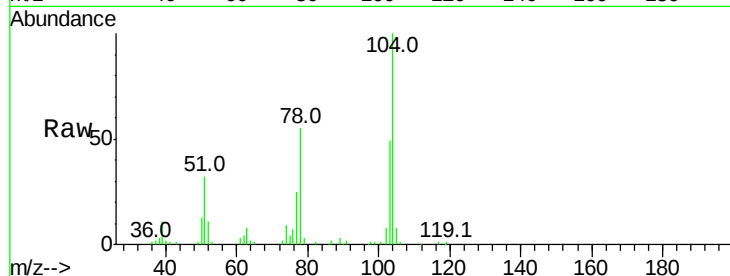
Tgt Ion: 91 Resp: 254487
Ion Ratio Lower Upper
91 100
106 44.1 21.9 65.5





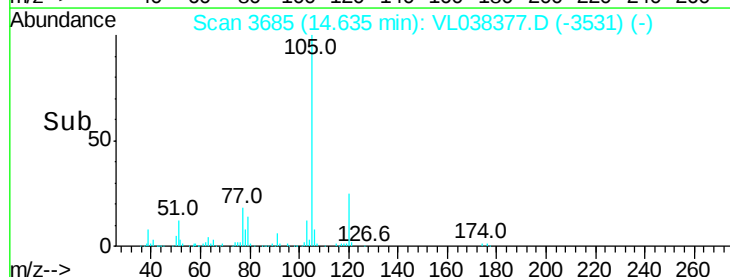
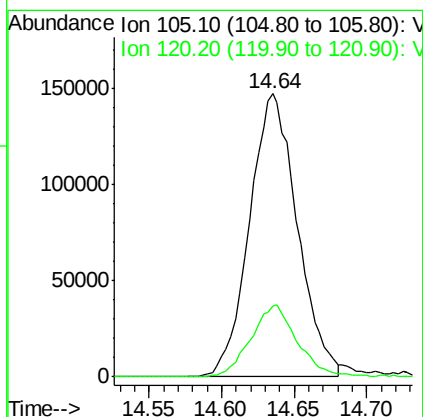
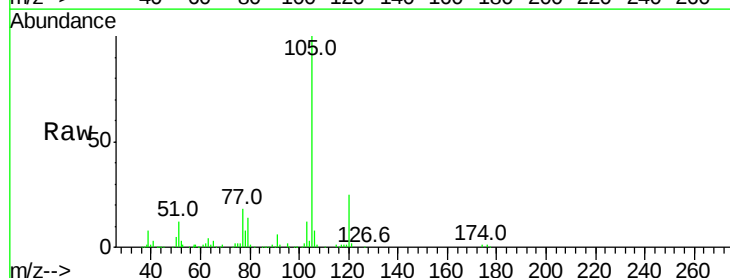
#61
 Styrene
 Concen: 0.83 ppbv
 RT: 13.50
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 22 Feb 2022 5:28

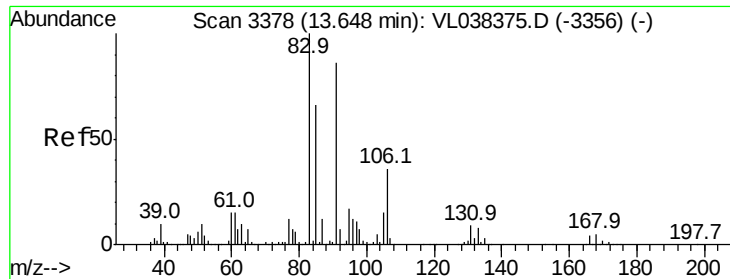
Tgt Ion:104 Resp: 99520
 Ion Ratio Lower Upper
 104 100
 78 61.5 44.2 66.4
 103 52.4 38.4 57.6



#62
 Isopropylbenzene
 Concen: 0.98 ppbv
 RT: 14.64 min Scan# 3685
 Delta R.T. -0.01 min
 Lab File: VL038377.D
 Acq: 22 Feb 2022 5:28

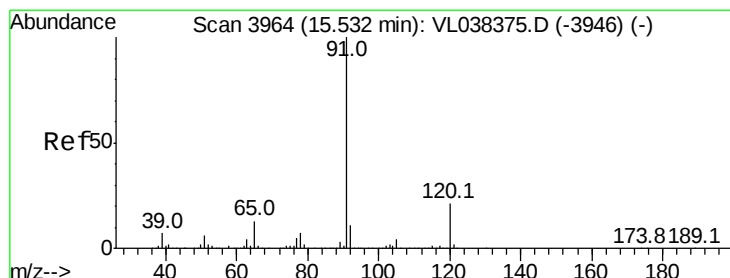
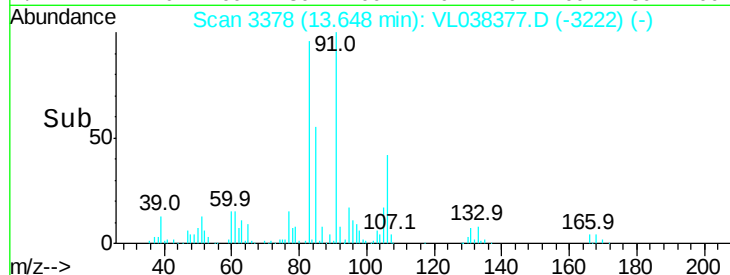
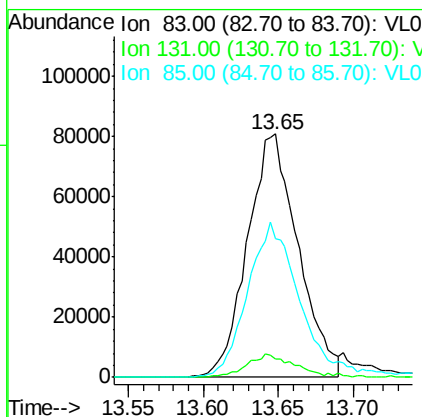
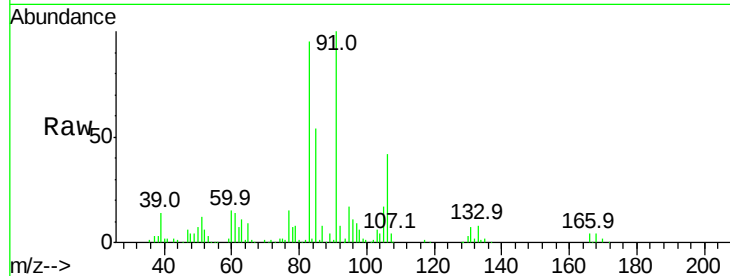
Tgt Ion:105 Resp: 337897
 Ion Ratio Lower Upper
 105 100
 120 25.0 20.6 30.8





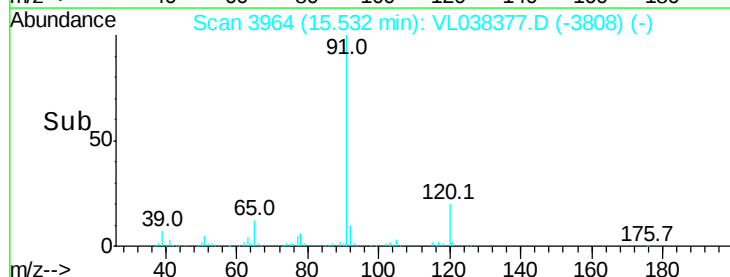
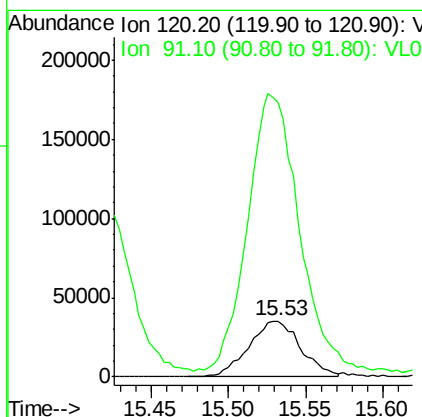
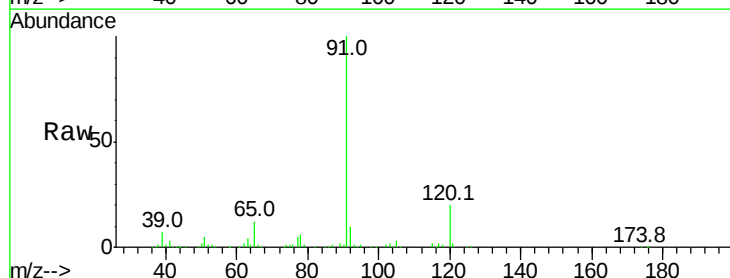
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.99 ppbv
 RT: 13.65
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 22 Feb 2022 5:28

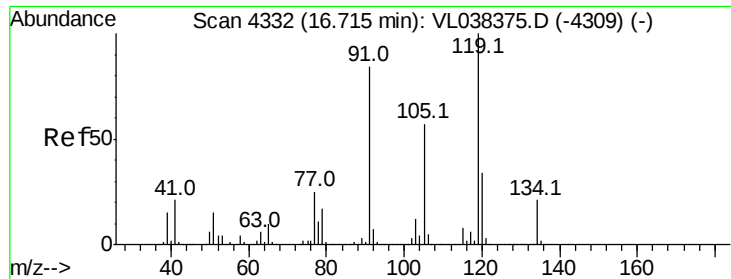
Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.5	13.7
85	67.2	33.0	99.0



#64
 n-propylbenzene
 Concen: 0.98 ppbv
 RT: 15.53 min Scan# 3964
 Delta R.T. 0.00 min
 Lab File: VL038377.D
 Acq: 22 Feb 2022 5:28

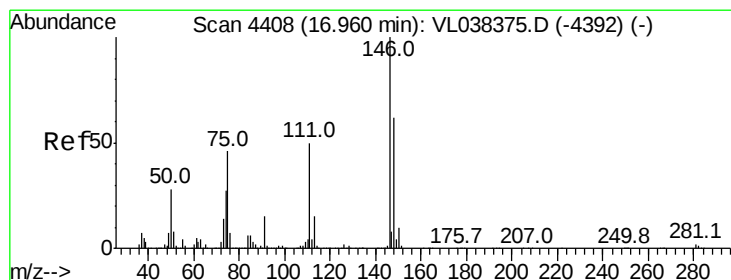
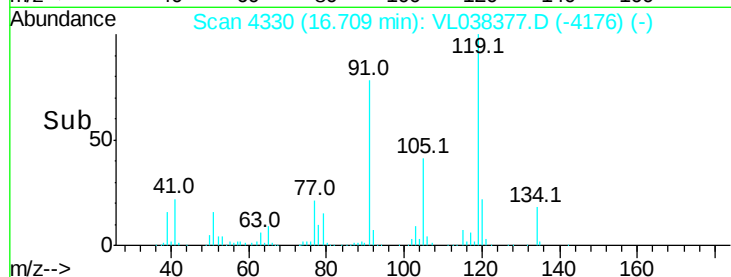
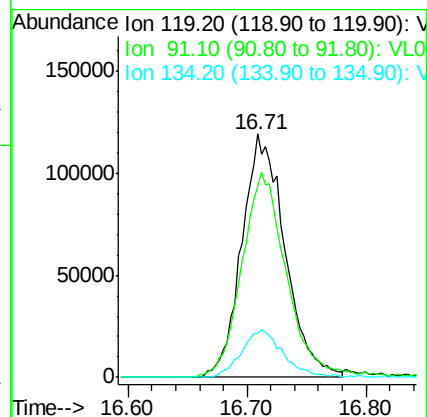
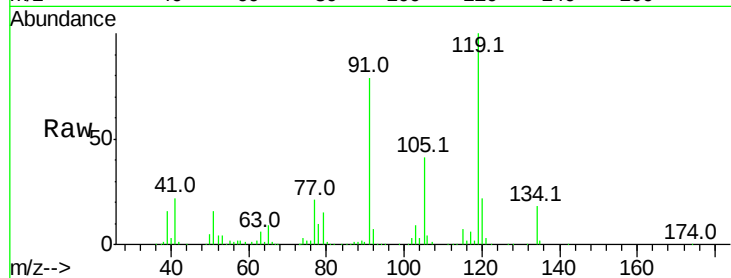
Tgt Ion	Ratio	Lower	Upper
120	100		
91	535.6	388.1	582.1





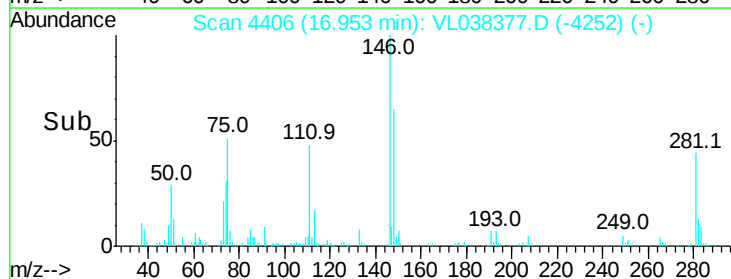
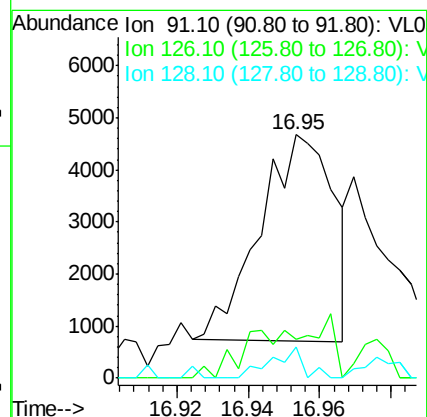
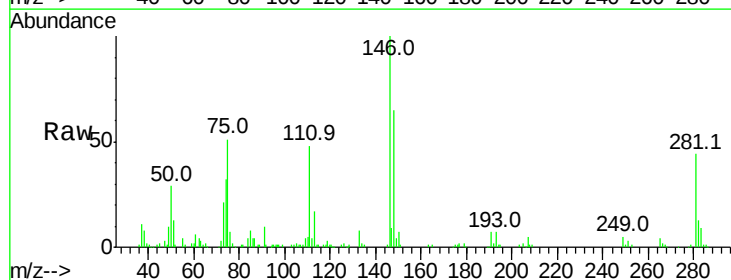
#65
 tert-Butylbenzene
 Concen: 1.04 ppbv
 RT: 16.71 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 22 Feb 2022 5:28

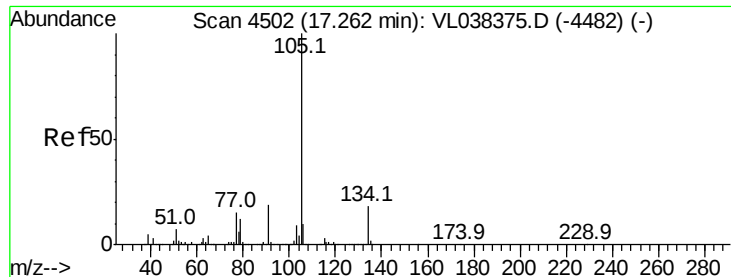
Tgt Ion: 119 Resp: 298067
 Ion Ratio Lower Upper
 119 100
 91 88.4 68.0 102.0
 134 18.9 15.8 23.8



#66
 Benzyl Chloride
 Concen: 0.42 ppbv
 RT: 16.95 min Scan# 4406
 Delta R.T. -0.01 min
 Lab File: VL038377.D
 Acq: 22 Feb 2022 5:28

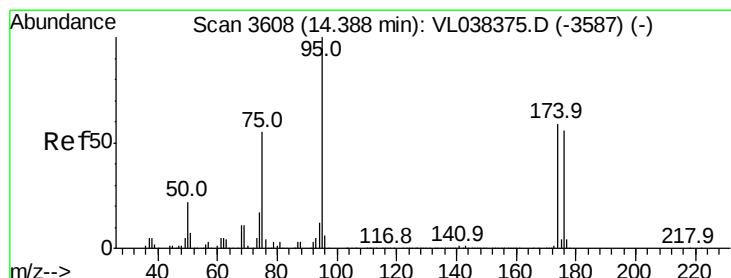
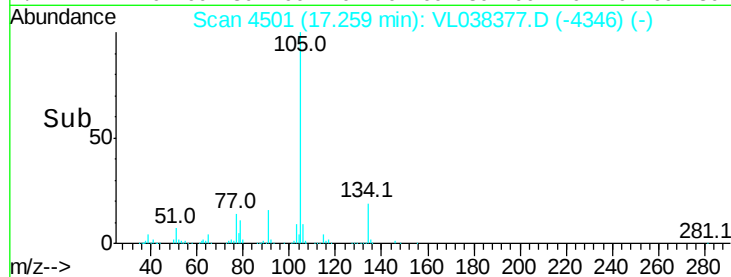
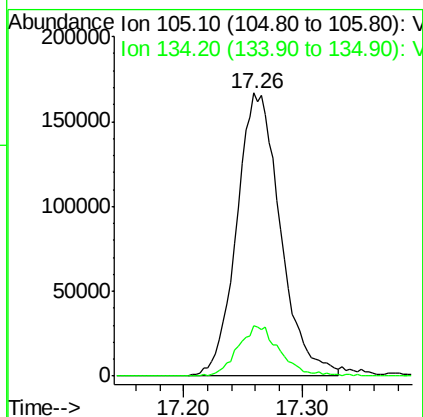
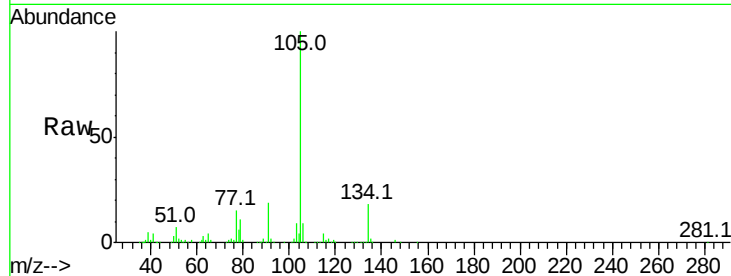
Tgt Ion: 91 Resp: 5715
 Ion Ratio Lower Upper
 91 100
 126 0.0 12.3 18.5#
 128 6.4 4.2 6.4#





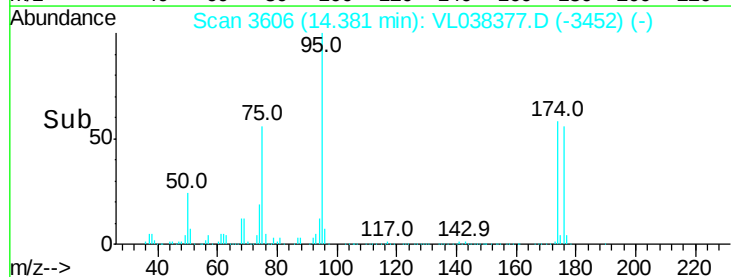
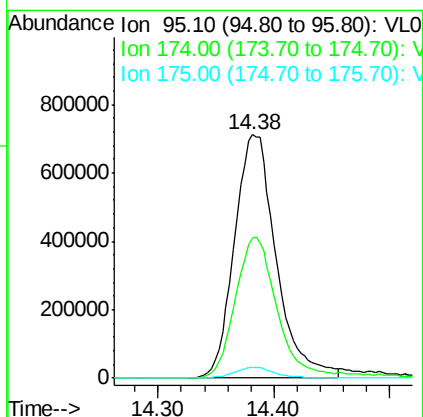
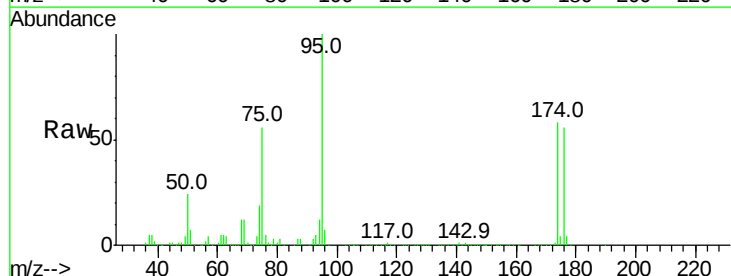
#67
 sec-Butylbenzene
 Concen: 1.05 ppbv
 RT: 17.26
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 22 Feb 2022 5:28

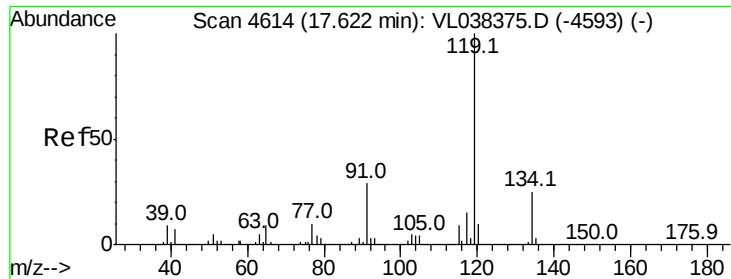
Tgt Ion: 105 Resp: 422376
 Ion Ratio Lower Upper
 105 100
 134 17.3 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.55 ppbv
 RT: 14.38 min Scan# 3606
 Delta R.T. -0.01 min
 Lab File: VL038377.D
 Acq: 22 Feb 2022 5:28

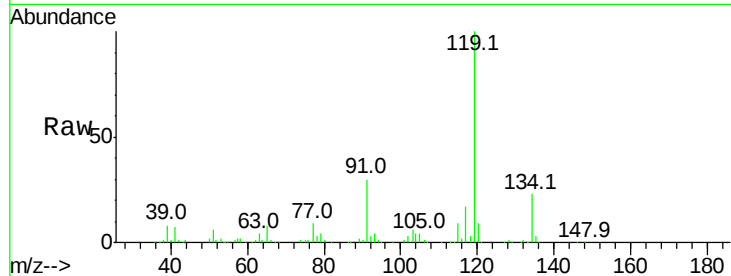
Tgt Ion: 95 Resp: 1784729
 Ion Ratio Lower Upper
 95 100
 174 60.3 49.0 73.4
 175 4.4 3.6 5.4



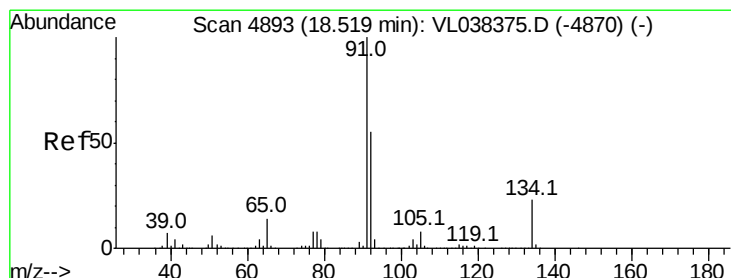
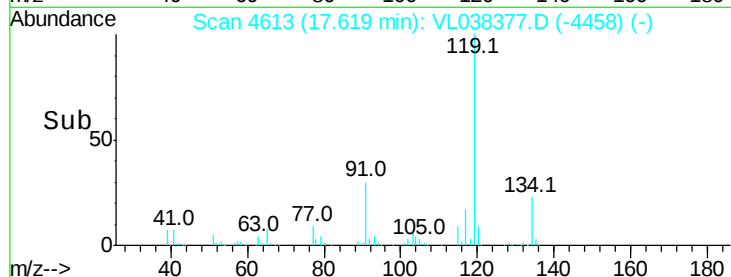
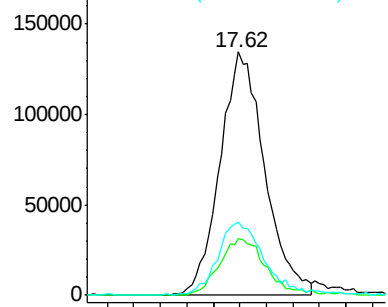


#69
 p-Isopropyltoluene
 Concen: 1.02 ppbv
 RT: 17.62 min
 Delta R.T.: 0.00 min
 Lab File: VL038377.D
 Acq: 22 Feb 2022 5:28

Tgt Ion:	119	Resp:	316336
Ion Ratio	Lower	Upper	
119	100		
134	25.0	20.4	30.6
91	32.4	23.8	35.8

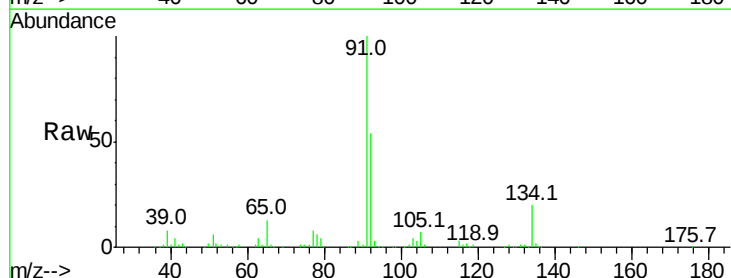


Abundance Ion 119.10 (118.80 to 119.80): VL038375.D (-4593) (-)

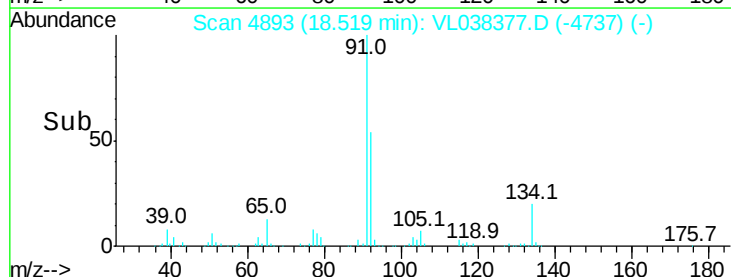
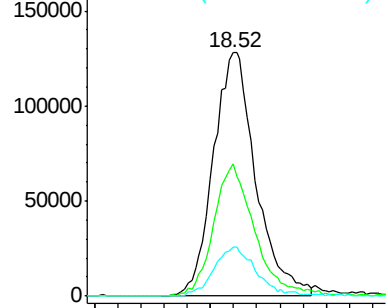


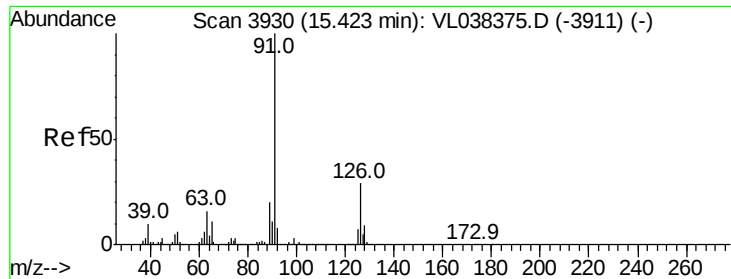
#70
 n-Butylbenzene
 Concen: 1.06 ppbv
 RT: 18.52 min Scan# 4893
 Delta R.T.: 0.00 min
 Lab File: VL038377.D
 Acq: 22 Feb 2022 5:28

Tgt Ion:	91	Resp:	325995
Ion Ratio	Lower	Upper	
91	100		
92	53.6	43.1	64.7
134	20.6	17.4	26.0



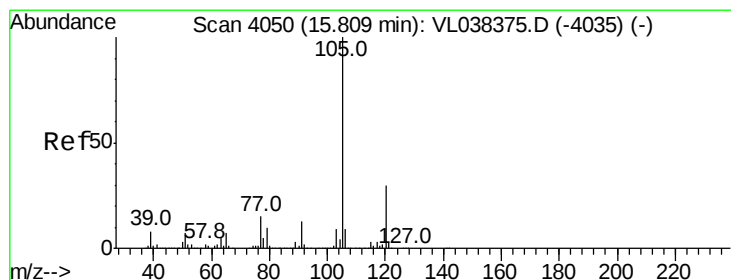
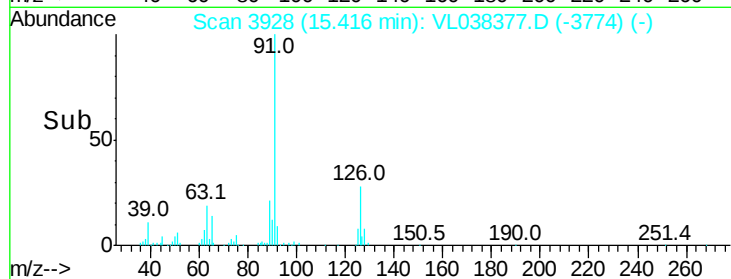
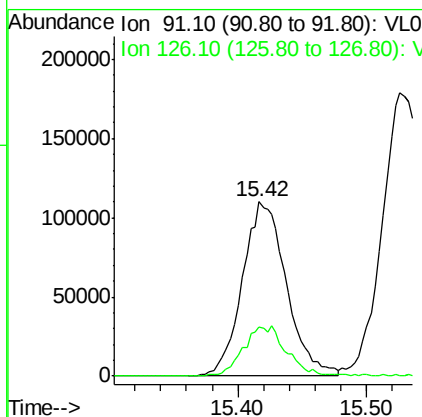
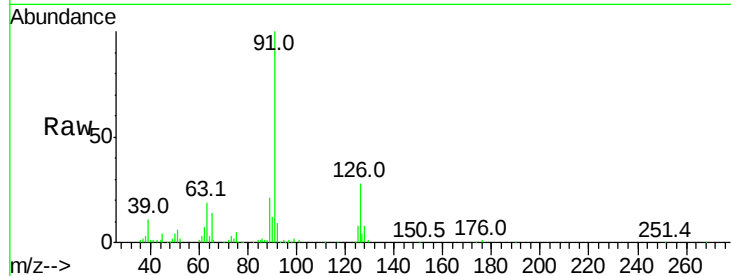
Abundance Ion 91.10 (90.80 to 91.80): VL038375.D (-4870) (-)





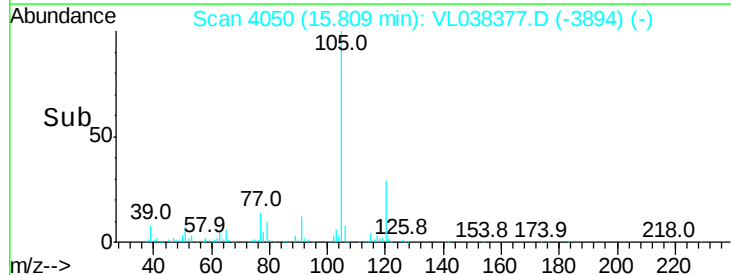
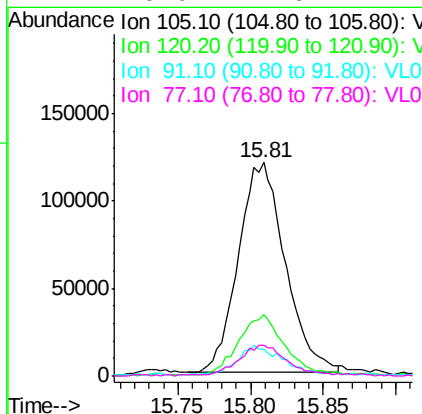
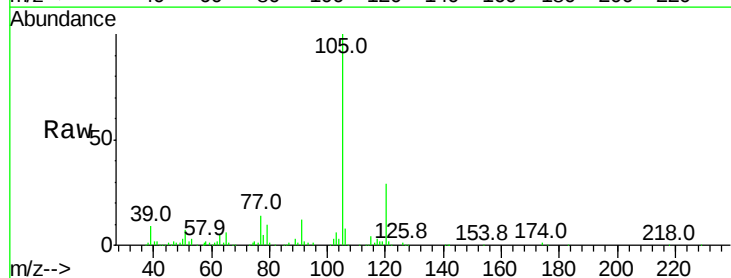
#71
 2-Chlorotoluene
 Concen: 1.01 ppbv
 RT: 15.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 22 Feb 2022 5:28

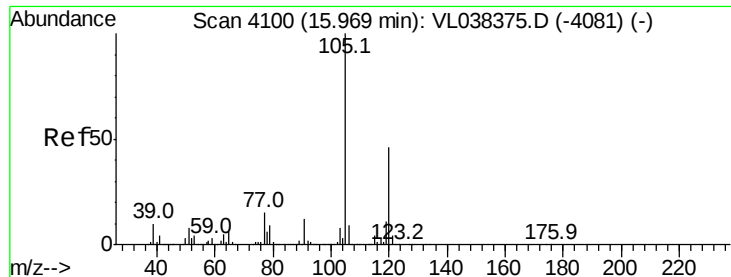
Tgt Ion: 91 Resp: 261726
 Ion Ratio Lower Upper
 91 100
 126 28.1 11.9 47.7



#72
 4-Ethyltoluene
 Concen: 0.98 ppbv
 RT: 15.81 min Scan# 4050
 Delta R.T. 0.00 min
 Lab File: VL038377.D
 Acq: 22 Feb 2022 5:28

Tgt Ion: 105 Resp: 267929
 Ion Ratio Lower Upper
 105 100
 120 29.7 23.4 35.2
 91 14.3 10.4 15.6
 77 16.0 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.99 ppbv

RT: 15.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC001

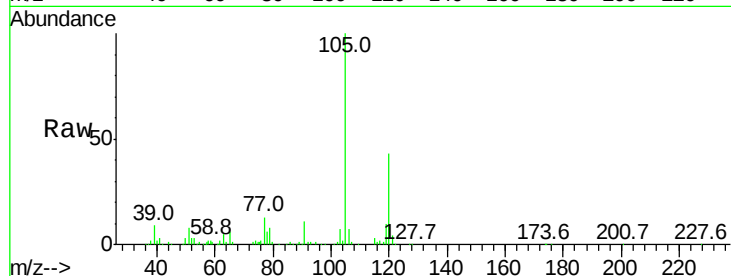
Acq: 22 Feb 2022 5:28

Tgt Ion:105 Resp: 245618

Ion Ratio Lower Upper

105 100

120 42.6 36.6 55.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.96

120000

100000

80000

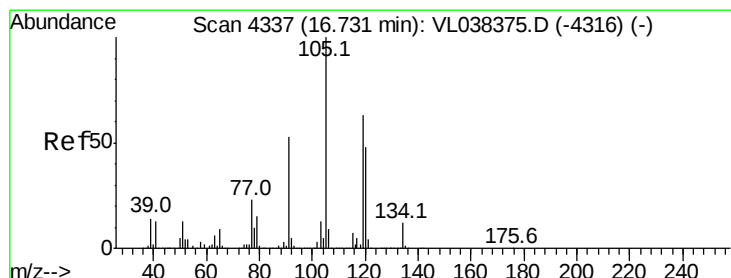
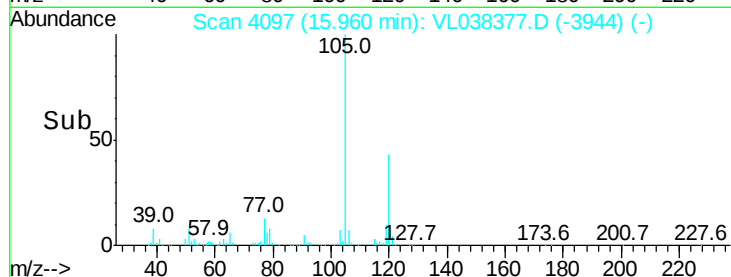
60000

40000

20000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 1.02 ppbv

RT: 16.73 min Scan# 4336

Delta R.T. -0.00 min

Lab File: VL038377.D

Acq: 22 Feb 2022 5:28

Tgt Ion:105 Resp: 266670

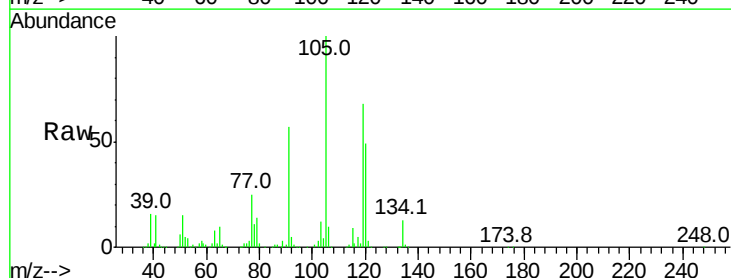
Ion Ratio Lower Upper

105 100

120 48.4 38.2 57.4

91 55.8 42.7 64.1

77 23.7 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): VL0

Ion 77.10 (76.80 to 77.80): VL0

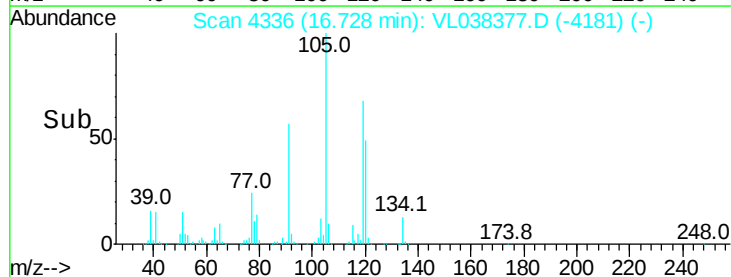
150000

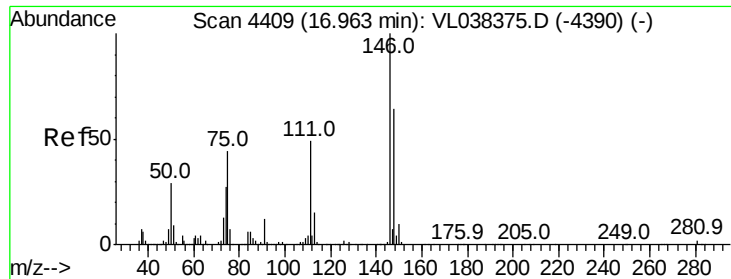
100000

50000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 1.01 ppbv

RT: 16.96

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 22 Feb 2022 5:28

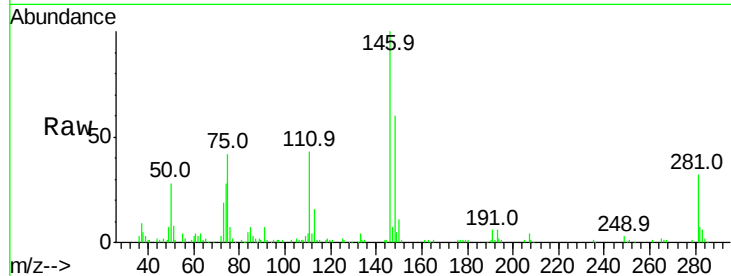
Tgt Ion:146 Resp: 142468

Ion Ratio Lower Upper

146 100

111 51.1 24.3 72.9

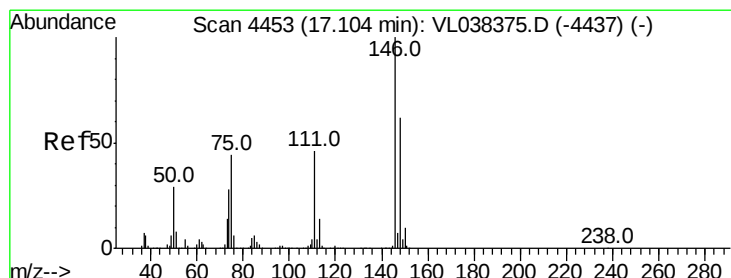
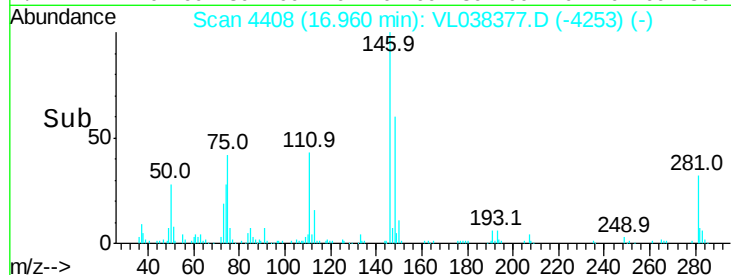
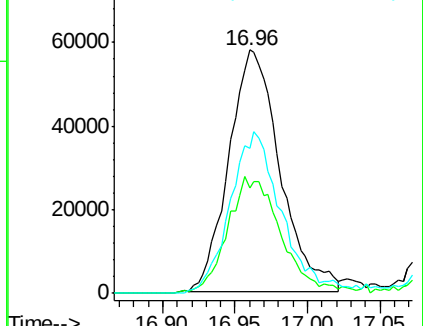
148 67.1 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 0.49 ppbv

RT: 17.10 min Scan# 4452

Delta R.T. -0.00 min

Lab File: VL038377.D

Acq: 22 Feb 2022 5:28

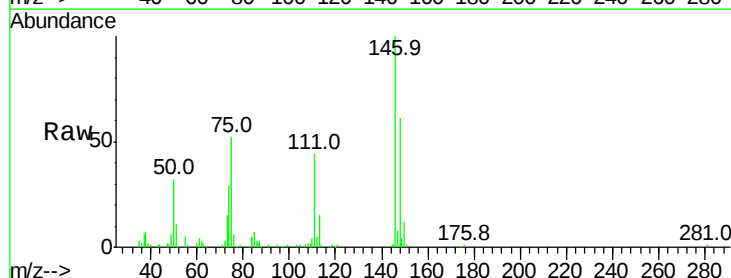
Tgt Ion:146 Resp: 66497

Ion Ratio Lower Upper

146 100

111 0.0 24.1 72.2#

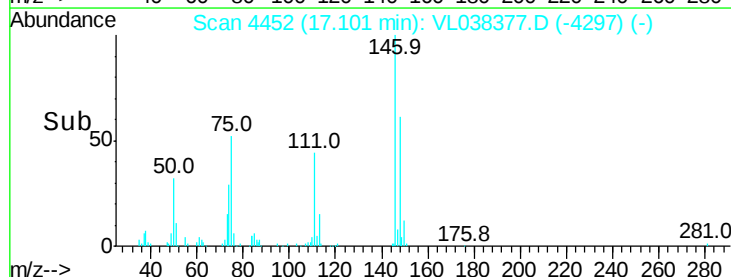
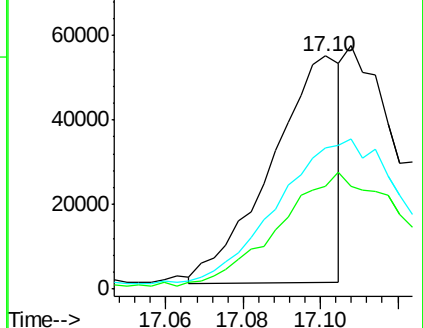
148 0.0 32.8 98.4#

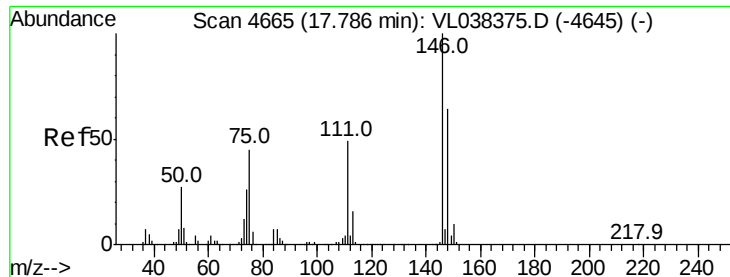


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

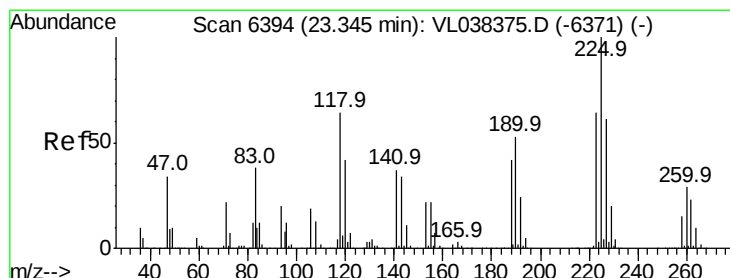
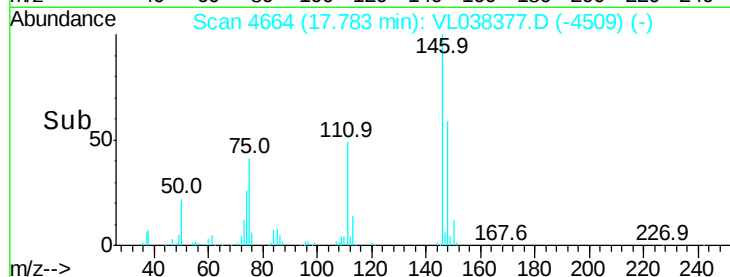
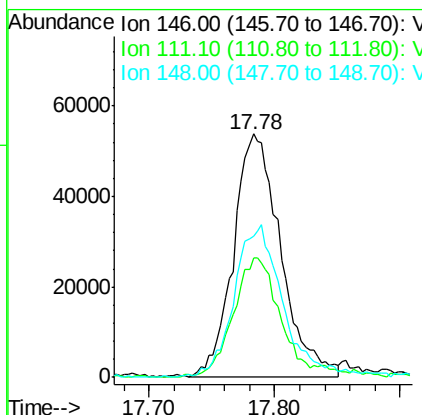
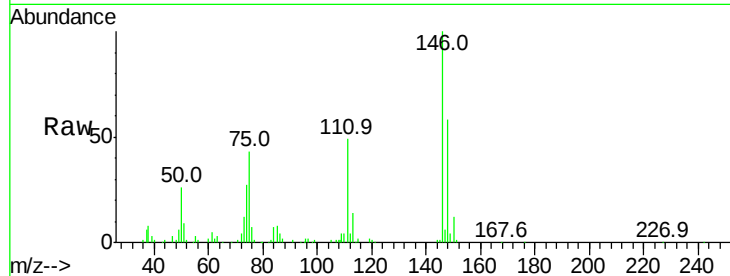
Ion 148.00 (147.70 to 148.70): V





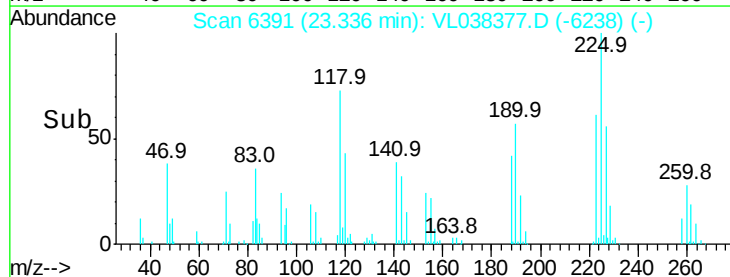
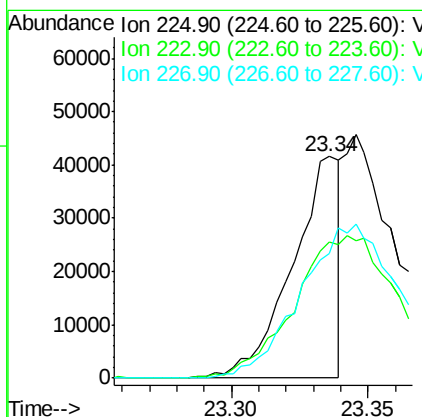
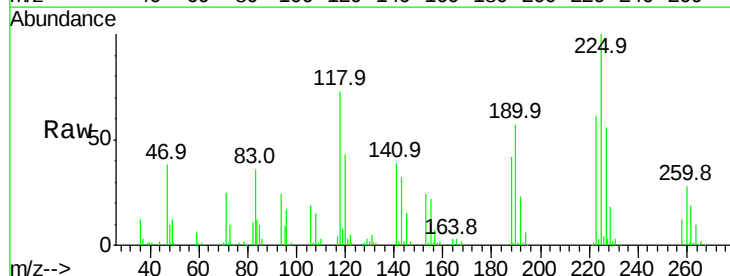
#77
 1,2-Dichlorobenzene
 Concen: 1.06 ppbv
 RT: 17.78 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VSTDIC001
 Acq: 22 Feb 2022 5:28

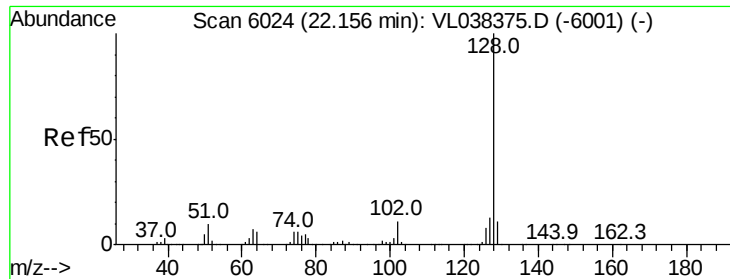
Tgt Ion:146 Resp: 140875
 Ion Ratio Lower Upper
 146 100
 111 51.1 25.6 76.6
 148 66.1 32.4 97.2



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.54 ppbv
 RT: 23.34 min Scan# 6391
 Delta R.T. -0.01 min
 Lab File: VL038377.D
 Acq: 22 Feb 2022 5:28

Tgt Ion:225 Resp: 50184
 Ion Ratio Lower Upper
 225 100
 223 0.0 52.0 78.0#
 227 0.0 51.6 77.4#





#79

Naphthalene

Concen: 0.07 ppbv

RT: 22.16

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDIC001

Acq: 22 Feb 2022 5:28

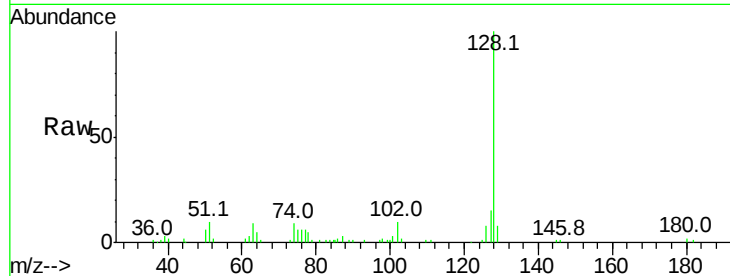
Tgt Ion:128 Resp: 9233

Ion Ratio Lower Upper

128 100

127 32.4 10.7 16.1#

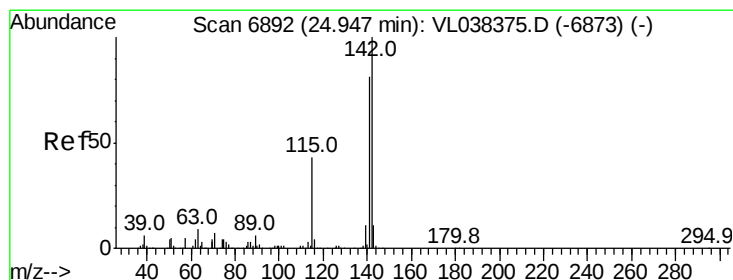
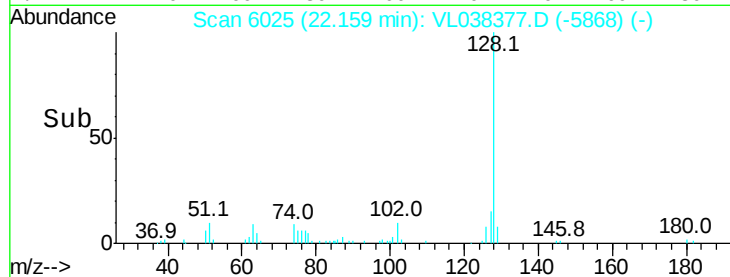
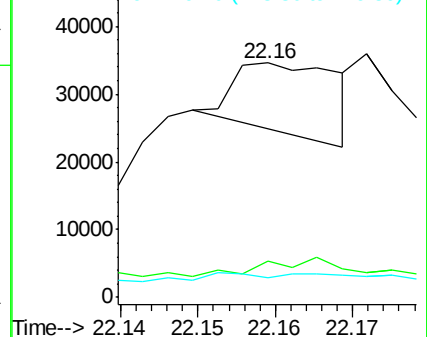
129 5.8 8.8 13.2#



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: 0.63 ppbv

RT: 24.96 min Scan# 6895

Delta R.T. 0.01 min

Lab File: VL038377.D

Acq: 22 Feb 2022 5:28

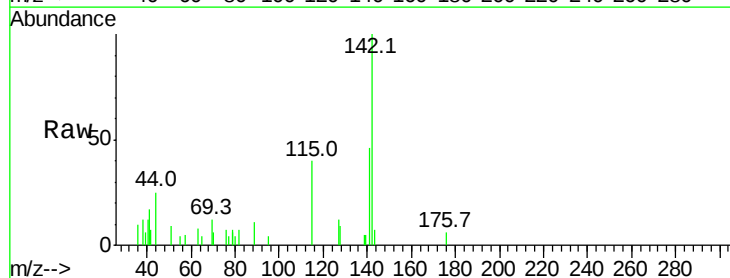
Tgt Ion:142 Resp: 10107

Ion Ratio Lower Upper

142 100

141 75.1 69.8 104.6

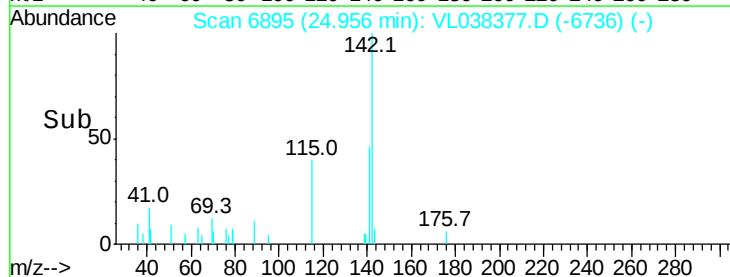
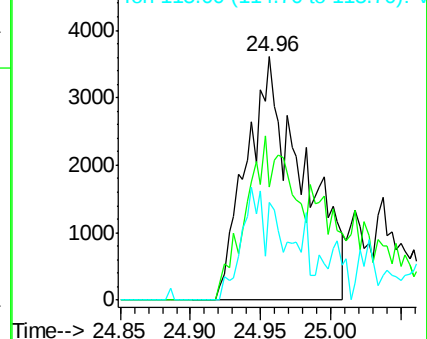
115 39.4 33.0 49.6

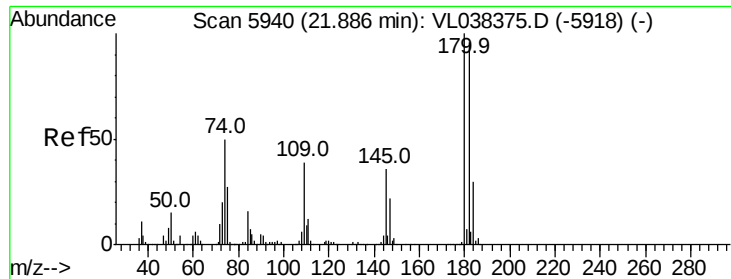


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.94 ppbv
 RT: 21.90
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 22 Feb 2022 3.28

Tgt Ion:180 Resp: 70016
 Ion Ratio Lower Upper
 180 100
 182 111.2 77.4 116.2
 184 33.0 24.9 37.3

