

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
 Data File : VL038650.D
 Acq On : 21 Mar 2022 13:54
 Operator : SY/AP
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Mar 21 15:05:24 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 15:04:50 2022
 QLast Update : Mon Mar 21 15:04:50 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	947204	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2516835	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2288280	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1722074	9.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	154208	1.08	ppbv	96
3) Chlorodifluoromethane	2.99	51	108157	0.65	ppbv	98
4) Chloromethane	3.14	50	57895	0.94	ppbv	94
5) Vinyl Chloride	3.26	62	54733	0.88	ppbv	94
6) Bromomethane	3.48	94	29808	0.89	ppbv	98
7) Chloroethane	3.56	64	19361	0.96	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	136206	0.98	ppbv	95
9) Propene	3.01	41	51238	0.87	ppbv	99
10) Heptane	8.12	43	119484	0.85	ppbv	99
11) Trichlorofluoromethane	3.95	101	118729	0.95	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	93606	0.96	ppbv	99
13) Ethanol	3.62	45	4734	0.70	ppbv	63
14) Bromoethene	3.74	108	37968	0.91	ppbv #	94
15) Acetone	3.86	43	80703	1.21	ppbv	96
16) 1,3-Butadiene	3.33	39	48840	0.91	ppbv	100
17) tert-Butyl alcohol	4.29	59	71772	0.99	ppbv	98
18) 1,1-Dichloroethene	4.28	96	38588	0.88	ppbv	94
19) Isopropyl Alcohol	3.98	45	37721	0.85	ppbv #	81
20) Methylene Chloride	4.34	84	35580	0.88	ppbv	94
21) Allyl Chloride	4.41	41	53990	0.84	ppbv	92
22) trans-1,2-Dichloroethene	4.88	96	37032	0.81	ppbv	96
23) Vinyl Acetate	5.07	43	75534	0.79	ppbv #	97
24) 1,1-Dichloroethane	5.01	63	80863	0.93	ppbv	99
25) Ethyl Acetate	5.68	43	215622	0.96	ppbv	98
26) Hexane	5.68	57	97460	0.92	ppbv	98
27) Carbon Disulfide	4.55	76	87084	0.83	ppbv #	90
28) Methyl tert-Butyl Ether	5.04	73	74082	0.86	ppbv	100
29) Chloroform	5.75	83	156131	0.95	ppbv	97
30) Cyclohexane	7.13	84	77238	0.85	ppbv #	67
31) cis-1,2-Dichloroethene	5.54	61	87873	0.87	ppbv	92
32) 1,1,1-Trichloroethane	6.51	97	148256	0.93	ppbv	98
34) 2-Butanone	5.25	43	83194	1.28	ppbv #	89
35) Carbon Tetrachloride	7.01	117	148871	0.87	ppbv	91
36) Benzene	6.89	78	200870	0.88	ppbv	99
37) 1,2-Dichloroethane	6.30	62	95163	0.88	ppbv	97
38) Trichloroethene	7.83	130	84164	0.93	ppbv	92
39) 1,2-Dichloropropane	7.61	63	76104	0.87	ppbv	95
40) 1,4-Dioxane	7.85	88	28142	1.29	ppbv	90
41) Tetrahydrofuran	6.06	42	29663	0.56	ppbv #	26
42) Bromodichloromethane	7.78	83	148176	0.86	ppbv	97
43) Methyl Methacrylate	8.01	69	68673	0.88	ppbv	100

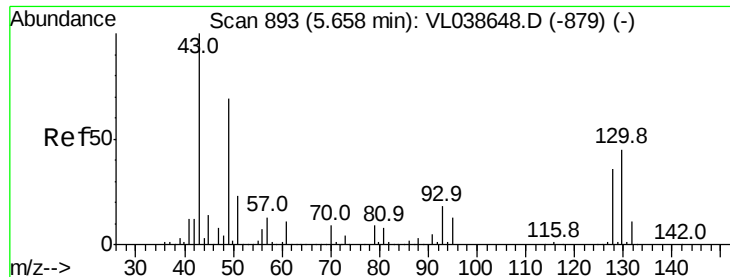
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
 Data File : VL038650.D
 Acq On : 21 Mar 2022 13:54
 Operator : SY/AP
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Mar 21 15:05:24 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 15:04:50 2022
 QLast Update : Mon Mar 21 15:04:50 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	346410	0.90	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	34007	0.61	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	87043	1.13	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	82763	0.93	ppbv	96
48) Dibromochloromethane	10.29	129	121107	0.86	ppbv	100
49) Bromoform	13.03	173	95480	0.88	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	170459	1.27	ppbv	98
51) 2-Hexanone	10.14	43	119093	2.11	ppbv #	97
52) Tetrachloroethene	11.21	164	71858	0.86	ppbv	95
53) Toluene	9.80	91	207872	0.86	ppbv	99
54) 1,2-Dibromoethane	10.60	107	105937	0.83	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	98014	1.05	ppbv #	1
57) Chlorobenzene	12.14	112	171614	0.98	ppbv #	94
58) Ethyl Benzene	12.70	91	265029	0.89	ppbv	97
59) m/p-Xylene	12.99	91	267813	1.06	ppbv #	48
60) o-Xylene	13.68	91	227072	0.95	ppbv	99
61) Styrene	13.52	104	107111	0.91	ppbv	96
62) Isopropylbenzene	14.65	105	345293	1.04	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	167938	0.83	ppbv	99
64) n-propylbenzene	15.55	120	86539	1.03	ppbv	82
65) tert-Butylbenzene	16.73	119	314587	1.06	ppbv	97
66) Benzyl Chloride	16.98	91	19505	1.11	ppbv #	69
67) sec-Butylbenzene	17.28	105	452957	1.08	ppbv	98
69) p-Isopropyltoluene	17.64	119	360911	1.04	ppbv	99
70) n-Butylbenzene	18.54	91	362881	0.98	ppbv	99
71) 2-Chlorotoluene	15.44	91	250800	1.02	ppbv	98
72) 4-Ethyltoluene	15.83	105	258227	0.94	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	234126	0.92	ppbv	97
74) 1,2,4-Trimethylbenzene	16.75	105	268193	0.98	ppbv	96
75) 1,3-Dichlorobenzene	16.99	146	165065	0.96	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	149948	0.88	ppbv	92
77) 1,2-Dichlorobenzene	17.81	146	158436	0.91	ppbv	95
78) Hexachloro-1,3-Butadiene	23.36	225	167638	0.99	ppbv	98
79) Naphthalene	22.18	128	199677	0.81	ppbv	97
80) Naphthalene,2-methyl-	24.97	142	34684	0.80	ppbv	94
81) 1,2,4-Trichlorobenzene	21.92	180	124661	0.79	ppbv	97

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 13:54 VSTDIC001

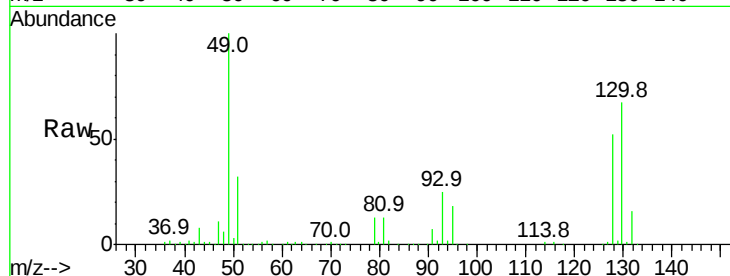
Tgt Ion: 49 Resp: 947204

Ion Ratio Lower Upper

49 100

128 53.7 26.2 78.6

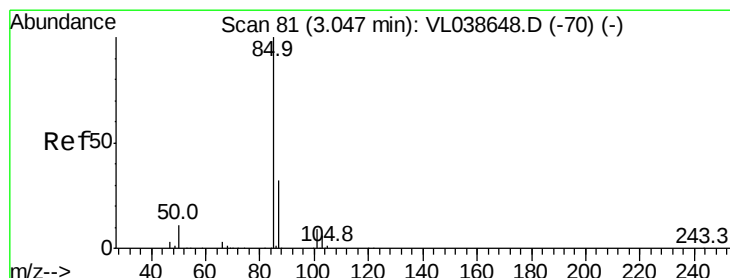
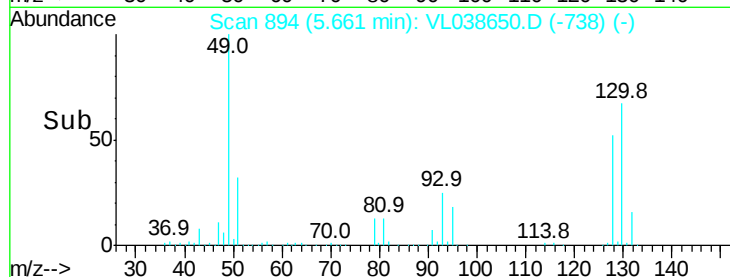
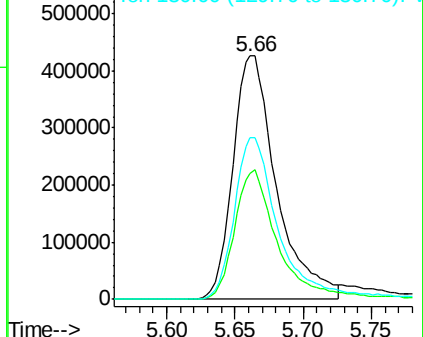
130 70.5 33.7 101.1



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: 1.08 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL038650.D

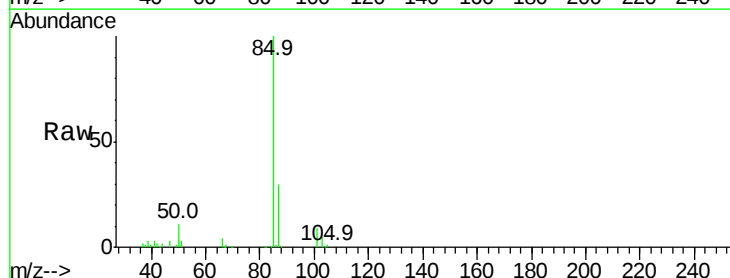
Acq: 21 Mar 2022 13:54

Tgt Ion: 85 Resp: 154208

Ion Ratio Lower Upper

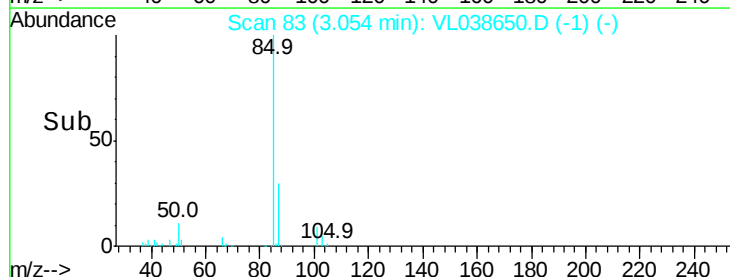
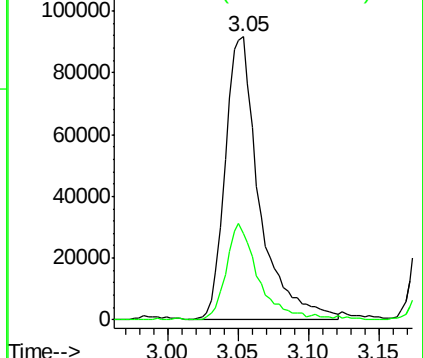
85 100

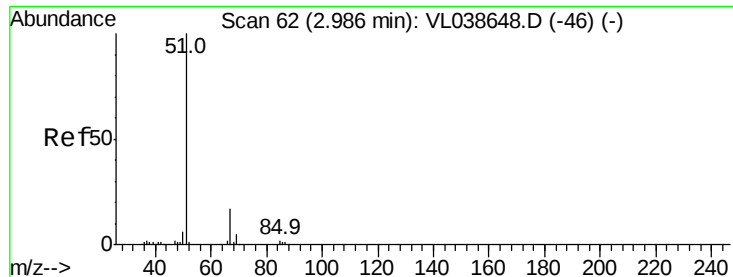
87 30.2 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.65 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

VSTDIC001

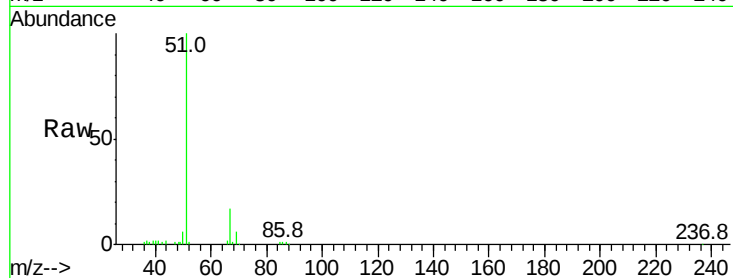
Acq: 21 Mar 2022 13:54

Tgt Ion: 51 Resp: 108157

Ion Ratio Lower Upper

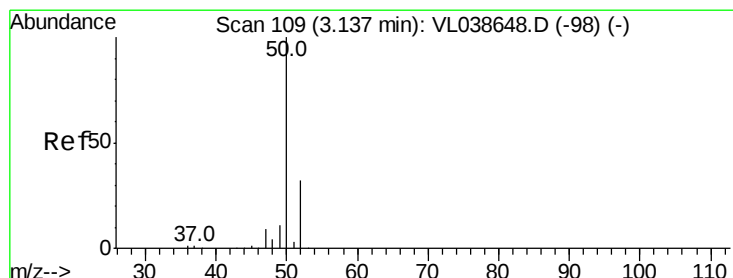
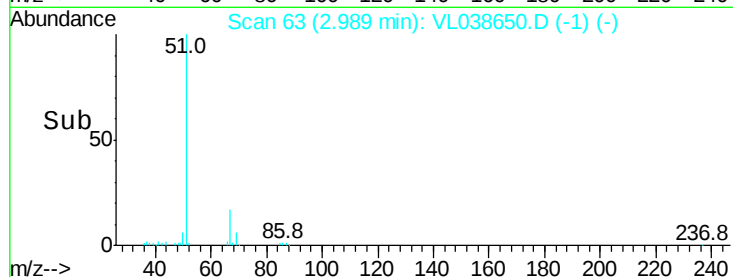
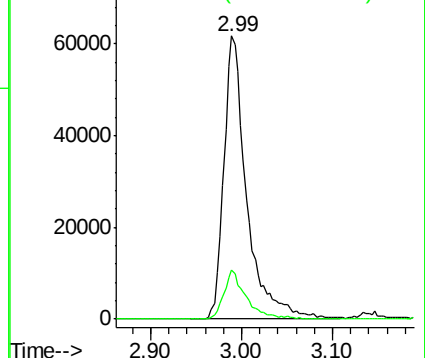
51 100

67 16.9 14.1 21.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.94 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL038650.D

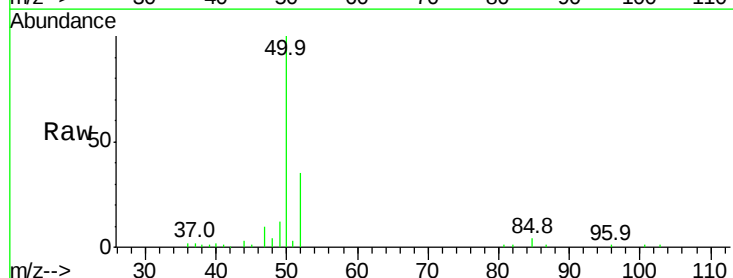
Acq: 21 Mar 2022 13:54

Tgt Ion: 50 Resp: 57895

Ion Ratio Lower Upper

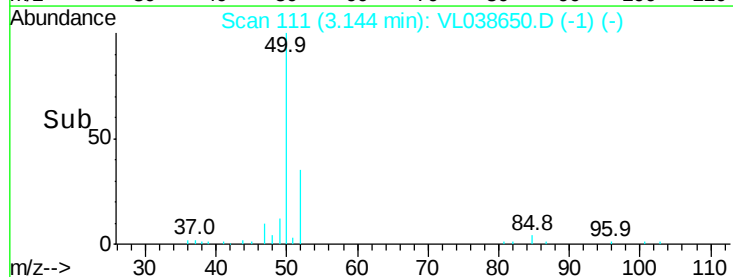
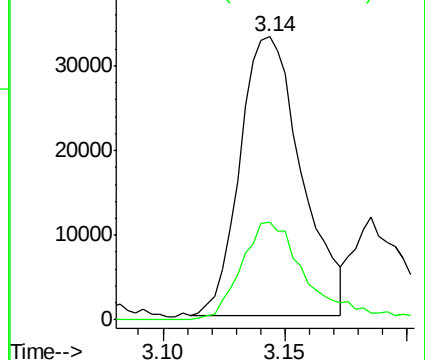
50 100

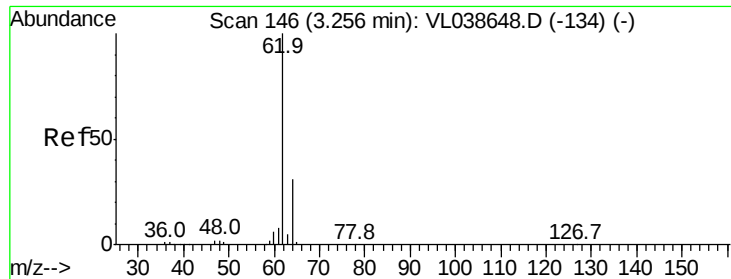
52 35.2 25.5 38.3



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.88 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

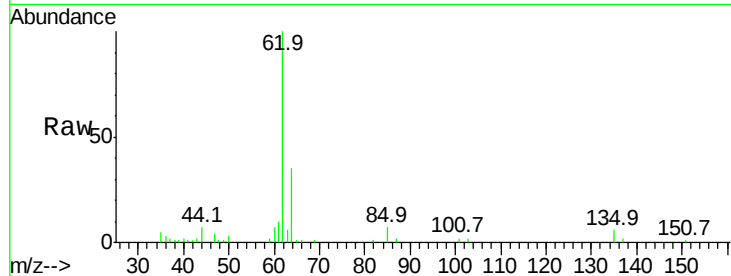
Acq: 21 Mar 2022 13:54

Tgt Ion: 62 Resp: 54733

Ion Ratio Lower Upper

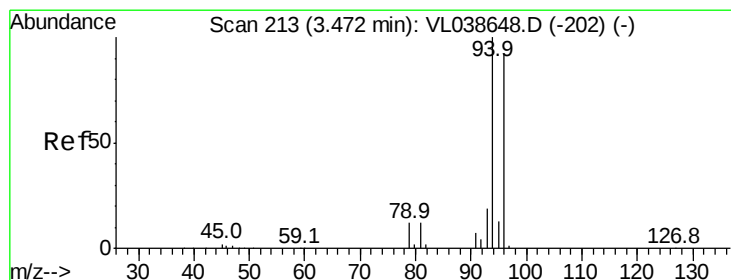
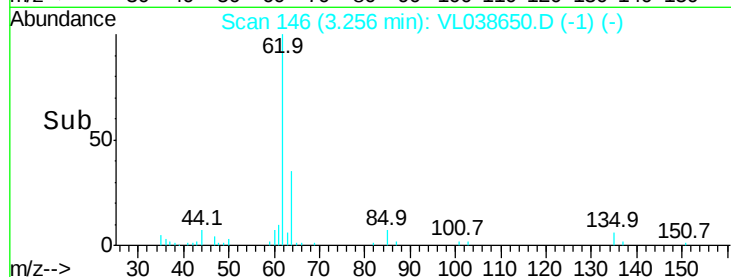
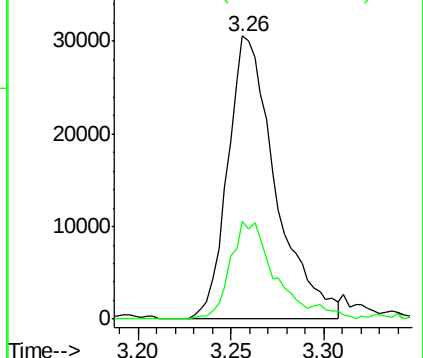
62 100

64 34.6 25.0 37.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.89 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL038650.D

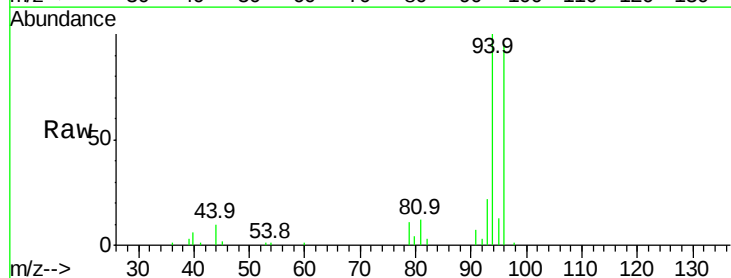
Acq: 21 Mar 2022 13:54

Tgt Ion: 94 Resp: 29808

Ion Ratio Lower Upper

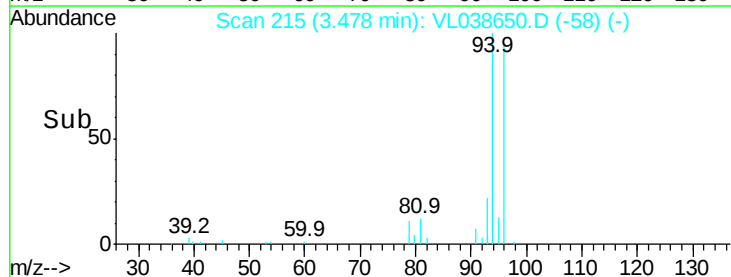
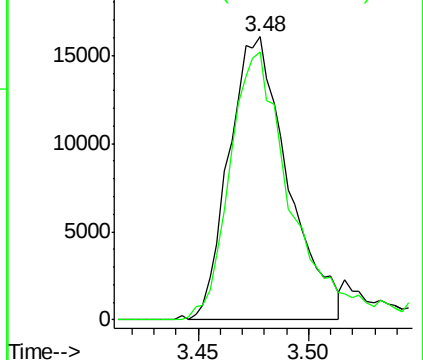
94 100

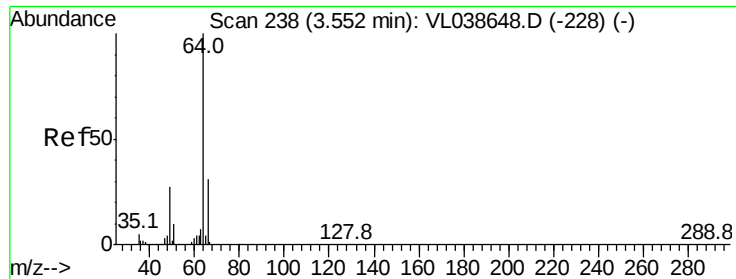
96 93.8 73.3 109.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.96 ppbv

RT: 3.56 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC001

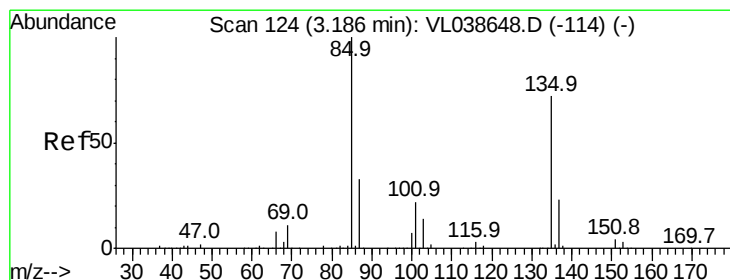
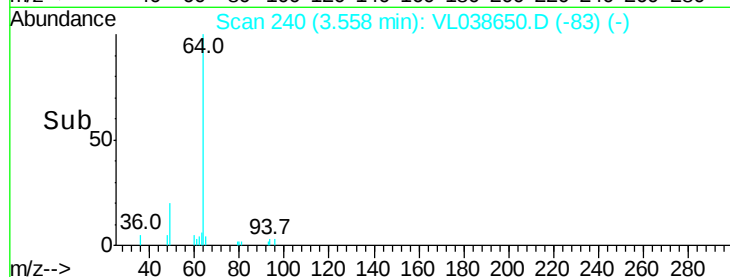
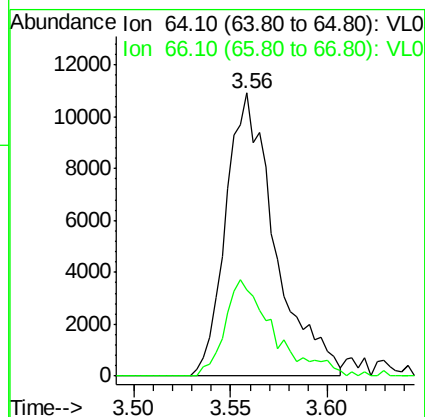
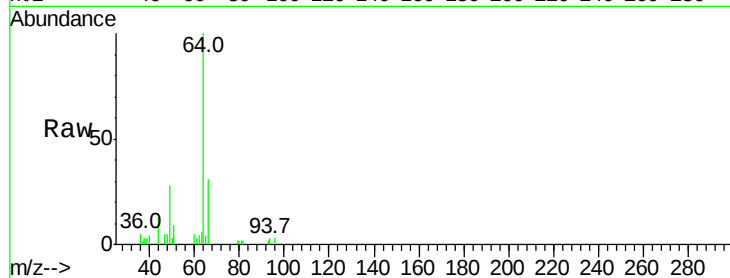
Acq: 21 Mar 2022 13:54

Tgt Ion: 64 Resp: 19361

Ion Ratio Lower Upper

64 100

66 30.5 25.0 37.6



#8

Dichlorotetrafluoroethane

Concen: 0.98 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL038650.D

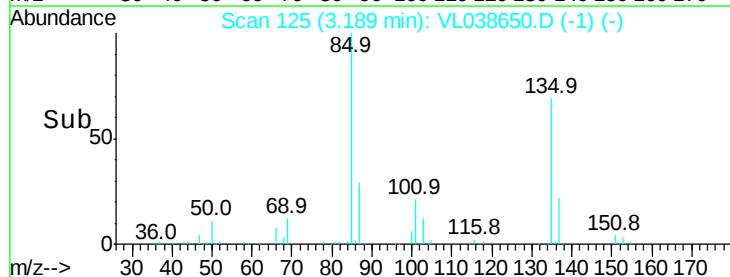
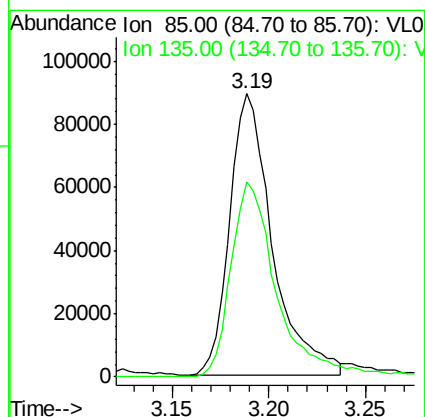
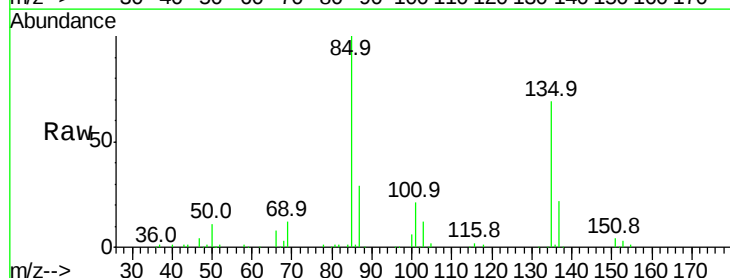
Acq: 21 Mar 2022 13:54

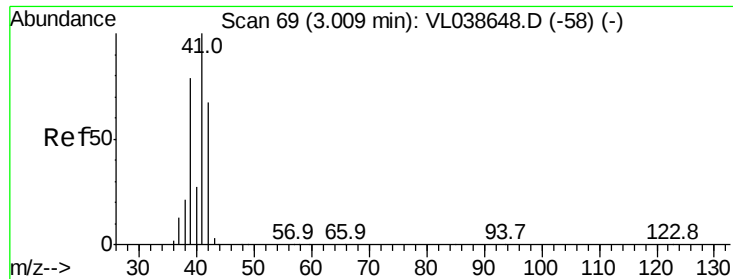
Tgt Ion: 85 Resp: 136206

Ion Ratio Lower Upper

85 100

135 76.4 57.8 86.6





#9

Propene

Concen: 0.87 ppbv

RT: 3.01 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

VSTDIC001

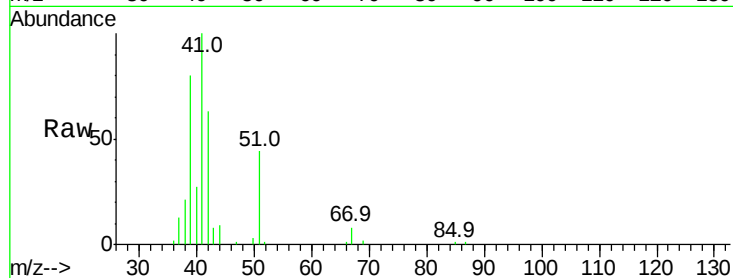
Acq: 21 Mar 2022 13:54

Tgt Ion: 41 Resp: 51238

Ion Ratio Lower Upper

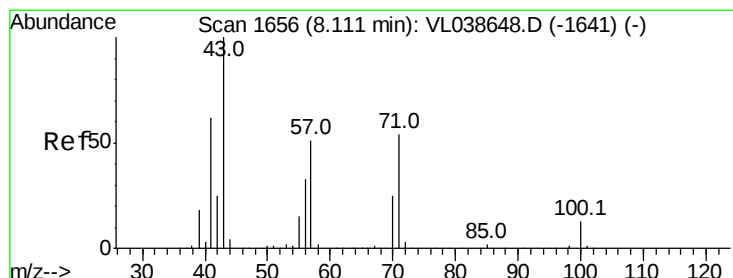
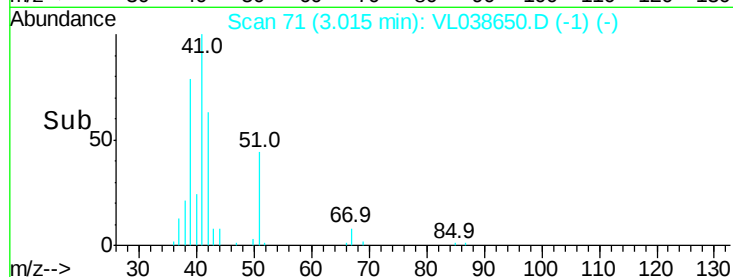
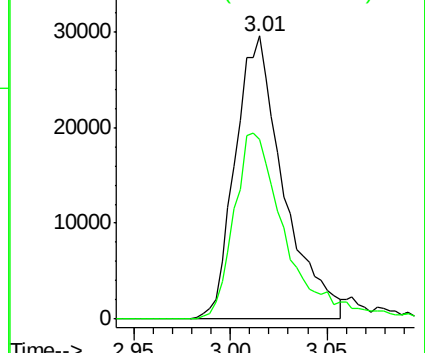
41 100

42 71.5 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.85 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VL038650.D

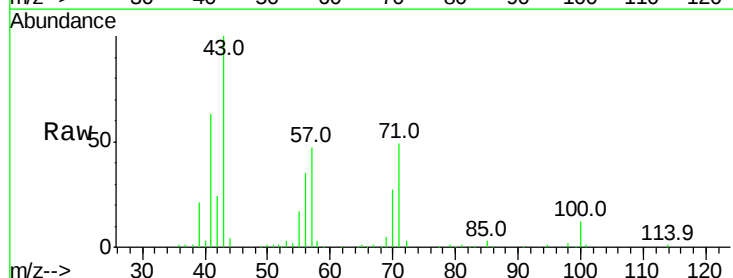
Acq: 21 Mar 2022 13:54

Tgt Ion: 43 Resp: 119484

Ion Ratio Lower Upper

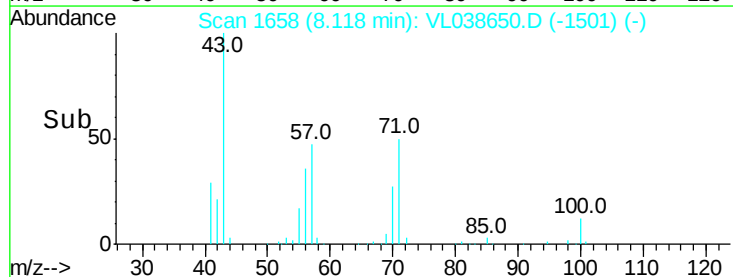
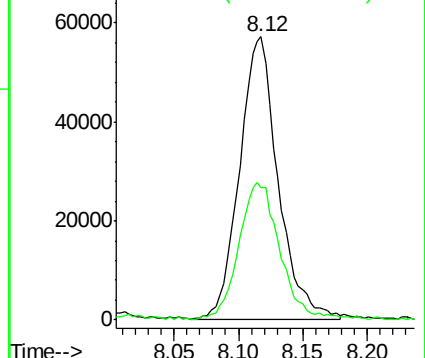
43 100

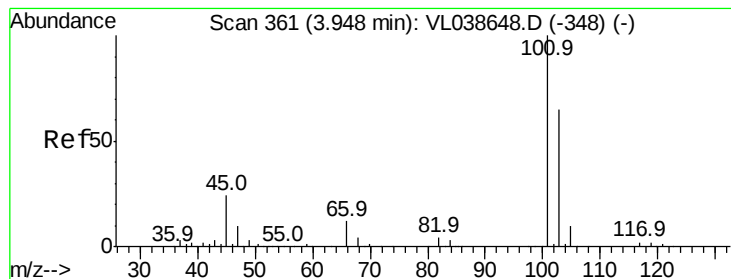
57 52.4 41.4 62.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.95 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

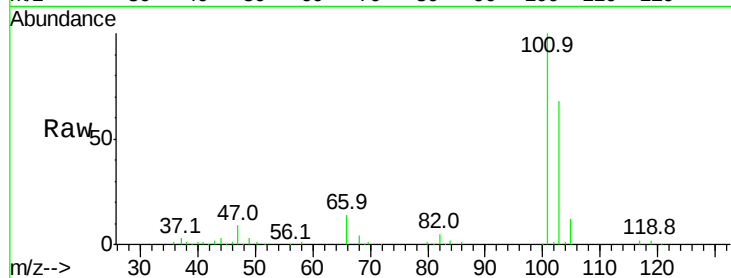
Acq: 21 Mar 2022 13:54

Tgt Ion:101 Resp: 118729

Ion Ratio Lower Upper

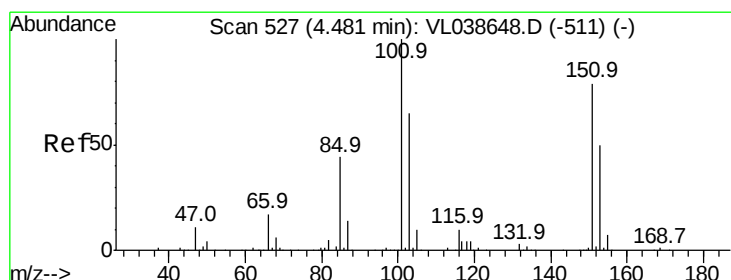
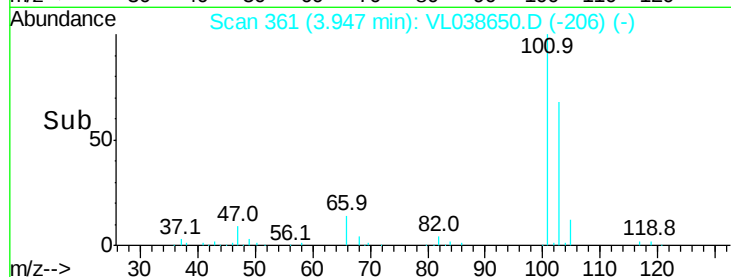
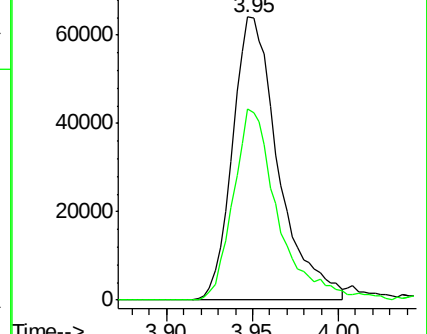
101 100

103 67.6 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.96 ppbv

RT: 4.48 min Scan# 528

Delta R.T. 0.00 min

Lab File: VL038650.D

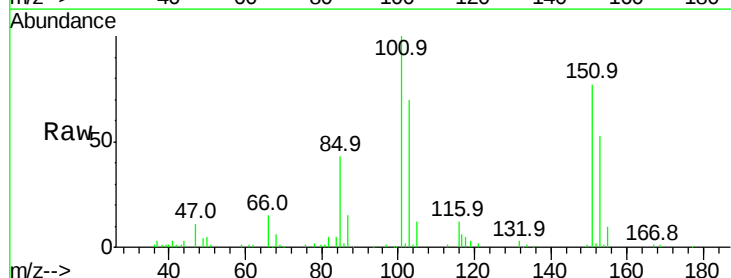
Acq: 21 Mar 2022 13:54

Tgt Ion:101 Resp: 93606

Ion Ratio Lower Upper

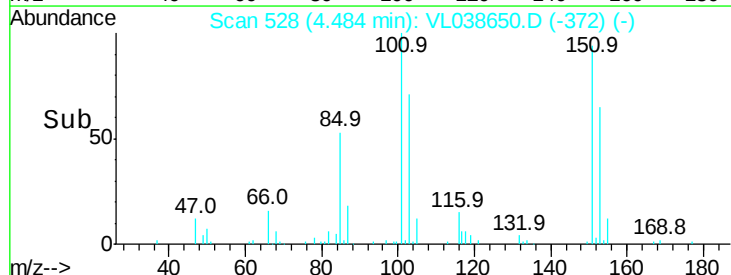
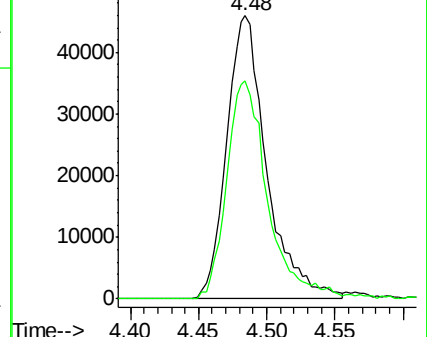
101 100

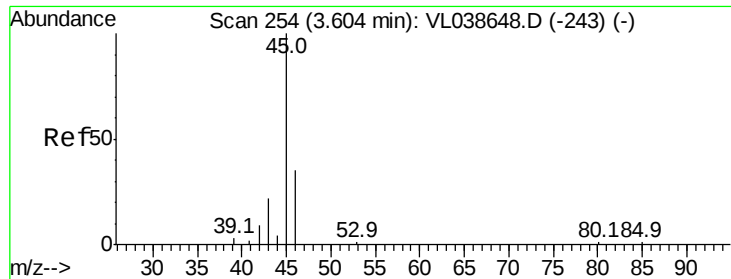
151 79.2 62.9 94.3



Abundance Ion 101.00 (100.70 to 101.70): V

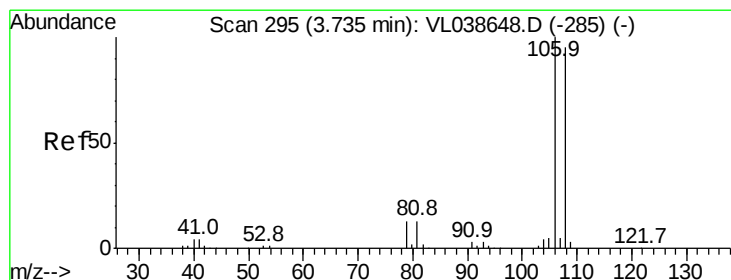
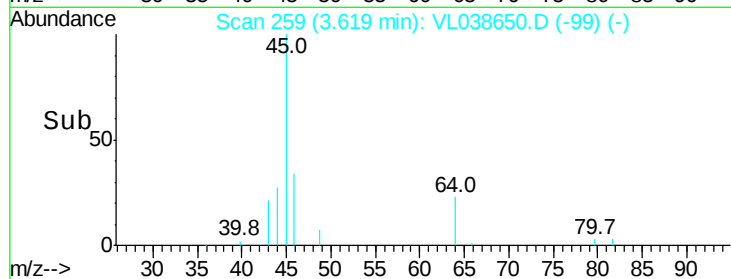
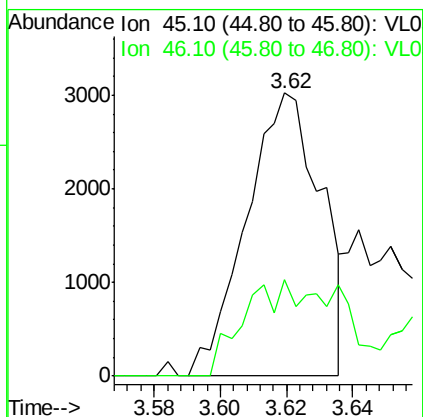
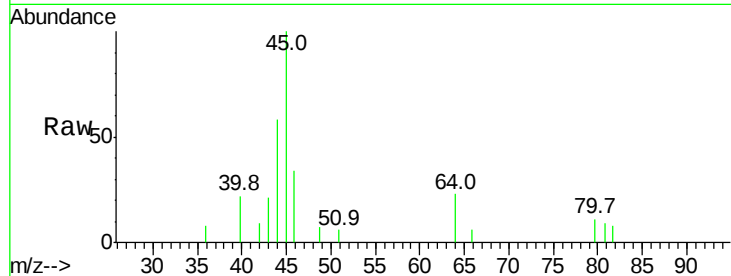
Ion 151.00 (150.70 to 151.70): V





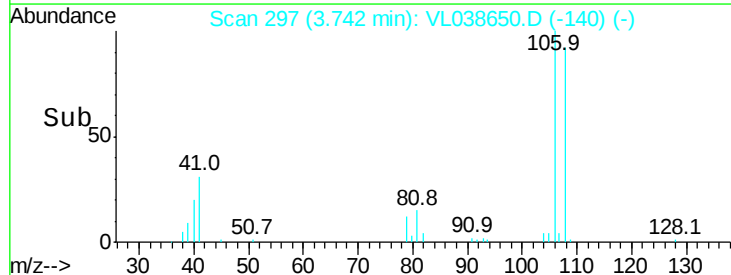
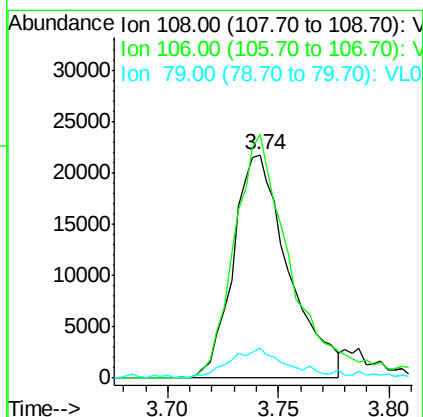
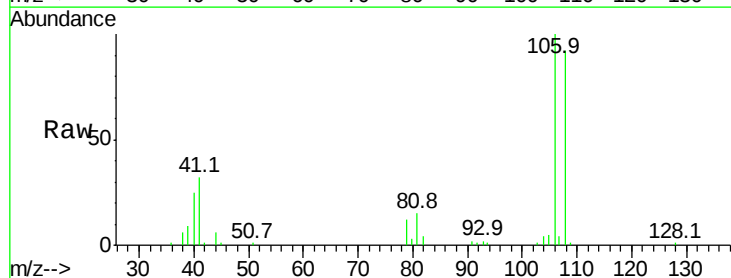
#13
 Ethanol
 Concen: 0.70 ppbv
 RT: 3.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 21 Mar 2022 13:54

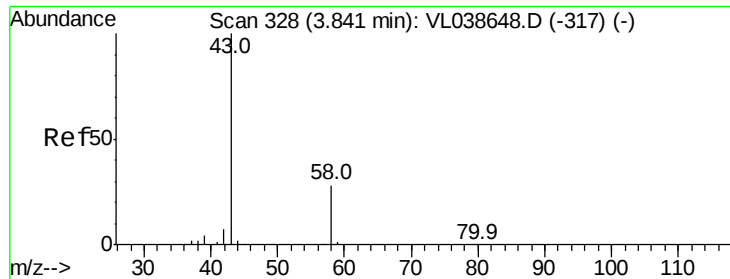
Tgt Ion: 45 Resp: 4734
 Ion Ratio Lower Upper
 45 100
 46 60.3 15.1 60.5



#14
 Bromoethene
 Concen: 0.91 ppbv
 RT: 3.74 min Scan# 297
 Delta R.T. 0.01 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

Tgt Ion: 108 Resp: 37968
 Ion Ratio Lower Upper
 108 100
 106 116.0 88.3 132.5
 79 17.7 11.2 16.8#





#15

Acetone

Concen: 1.21 ppbv

RT: 3.86 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

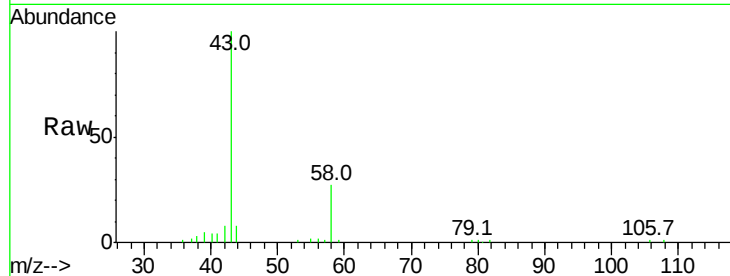
Acq: 21 Mar 2022 13:54 VSTDIC001

Tgt Ion: 43 Resp: 80703

Ion Ratio Lower Upper

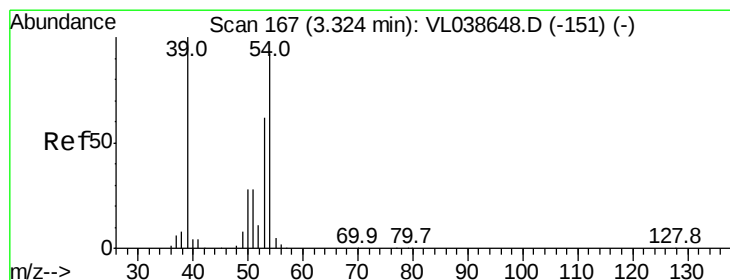
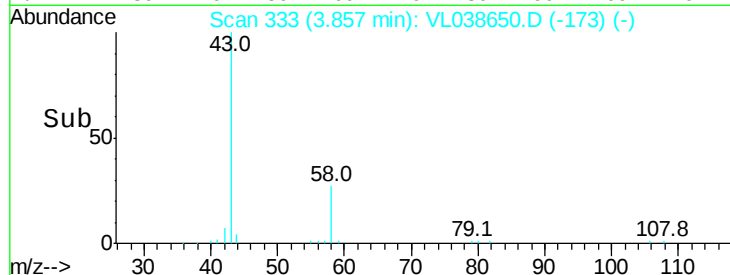
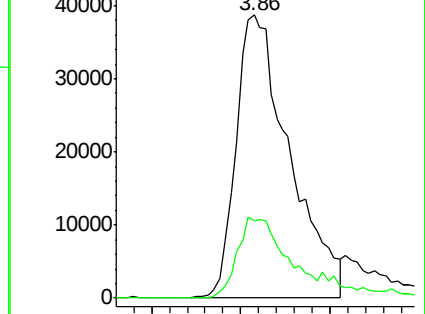
43 100

58 31.3 23.3 34.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.91 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL038650.D

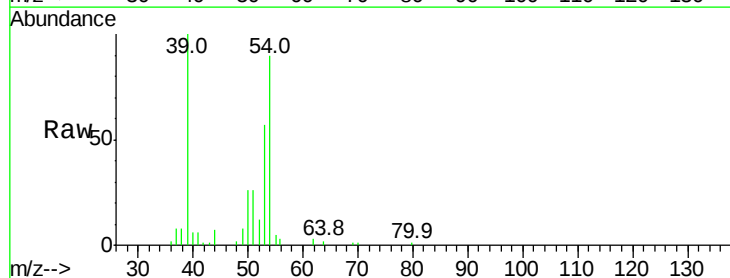
Acq: 21 Mar 2022 13:54

Tgt Ion: 39 Resp: 48840

Ion Ratio Lower Upper

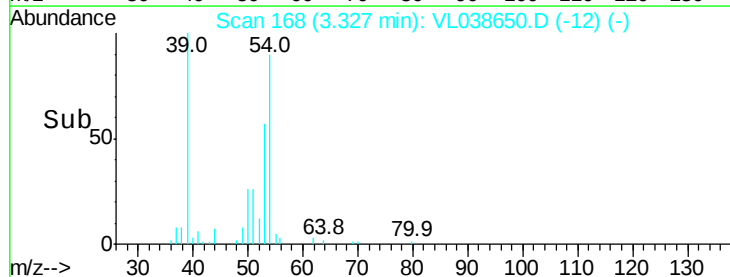
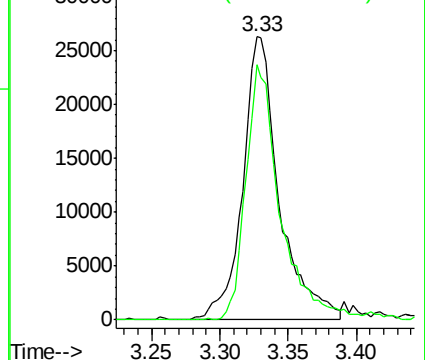
39 100

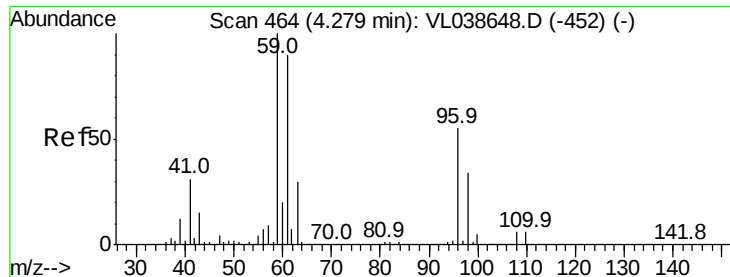
54 86.0 69.1 103.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.99 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

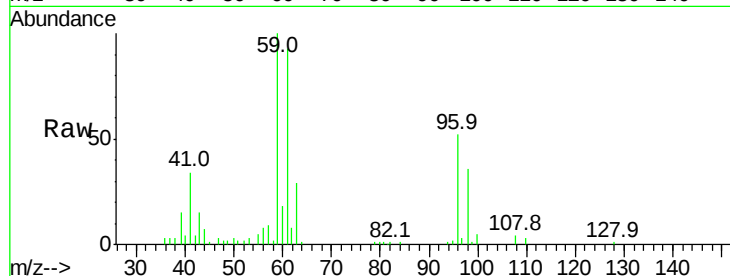
Acq: 21 Mar 2022 13:54

Tgt Ion: 59 Resp: 71772

Ion Ratio Lower Upper

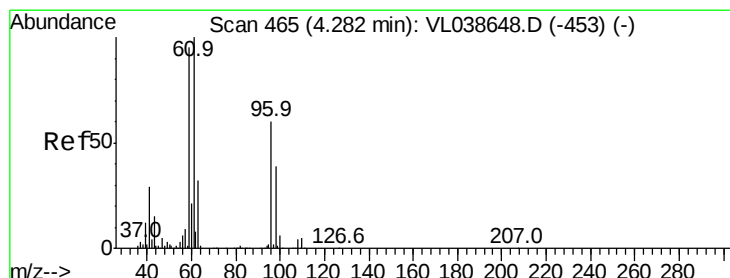
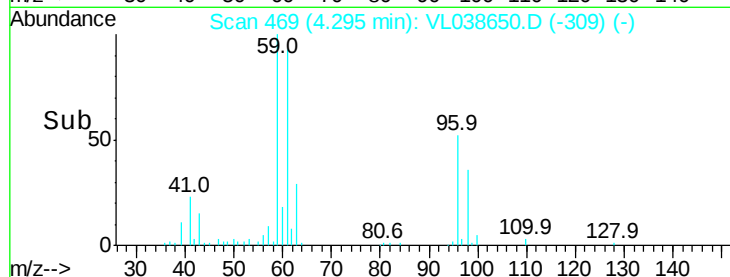
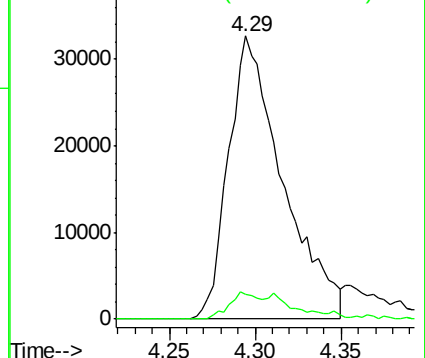
59 100

57 10.9 8.2 12.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.88 ppbv

RT: 4.28 min Scan# 466

Delta R.T. 0.00 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

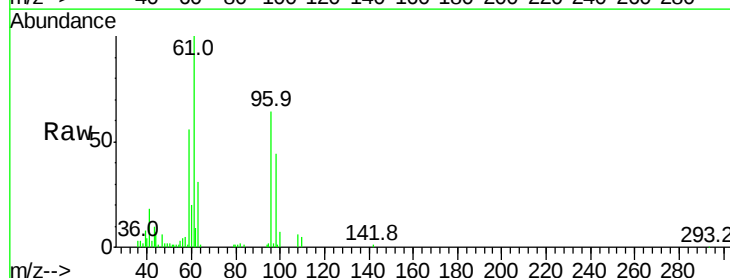
Tgt Ion: 96 Resp: 38588

Ion Ratio Lower Upper

96 100

61 157.4 132.4 198.6

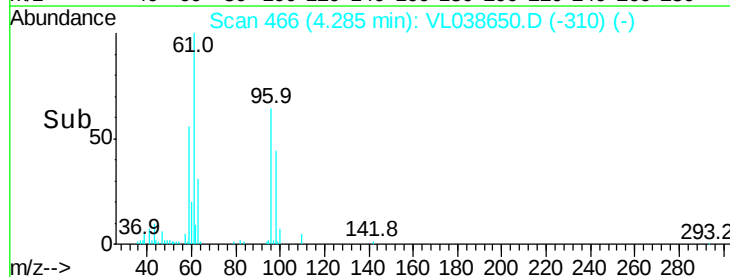
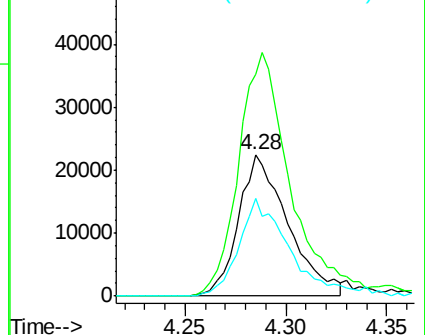
98 68.8 51.6 77.4

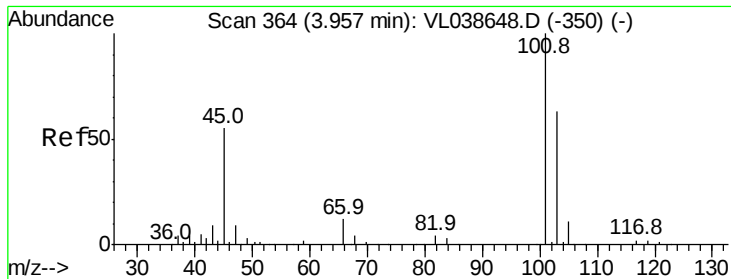


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.85 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

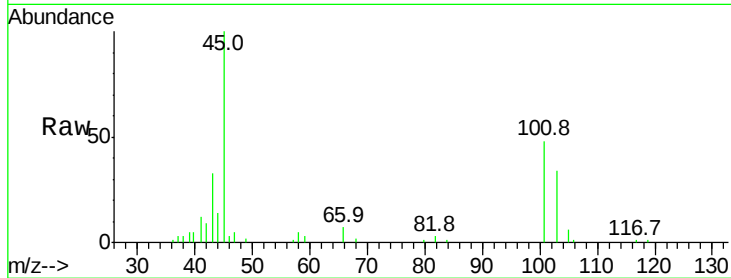
Acq: 21 Mar 2022 13:54

Tgt Ion: 45 Resp: 37721

Ion Ratio Lower Upper

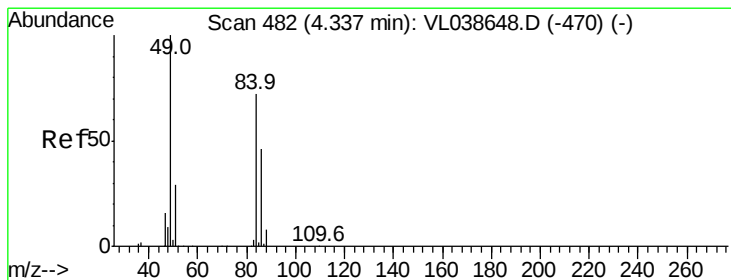
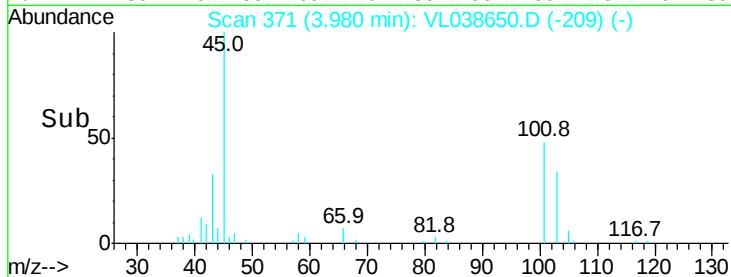
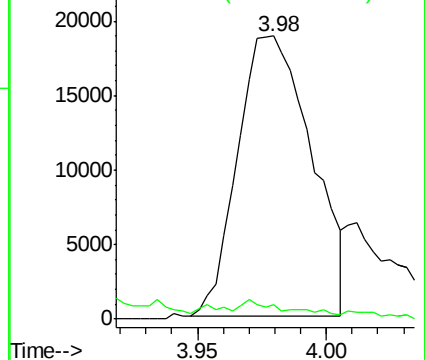
45 100

58 9.1 2.3 3.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.88 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

Tgt Ion: 84 Resp: 35580

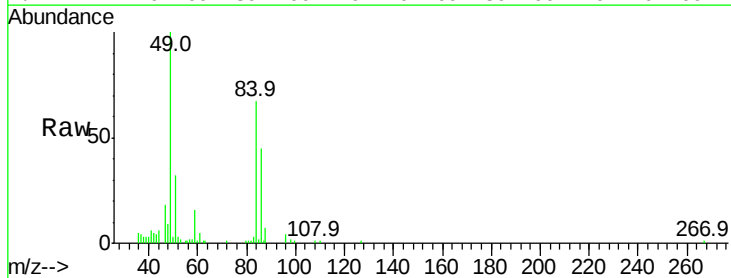
Ion Ratio Lower Upper

84 100

49 146.1 111.2 166.8

51 45.7 32.8 49.2

86 67.5 51.4 77.0

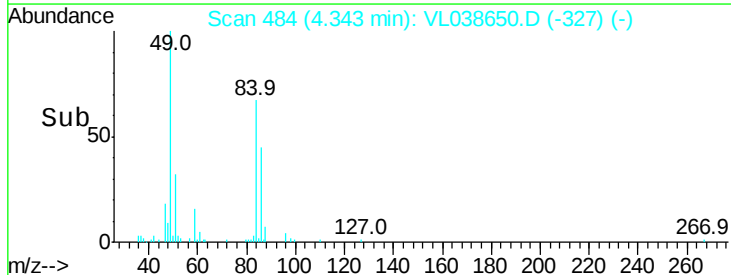
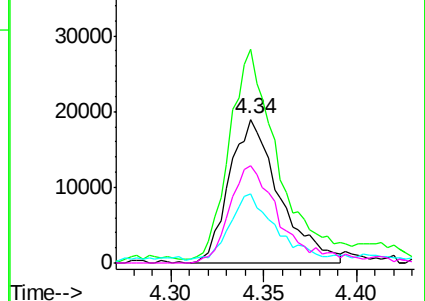


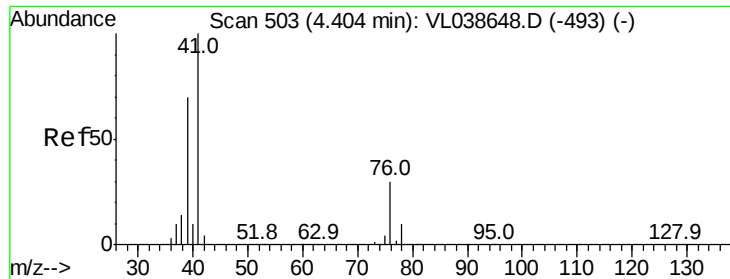
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allyl Chloride

Concen: 0.84 ppbv

RT: 4.41 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC001

Acq: 21 Mar 2022 13:54

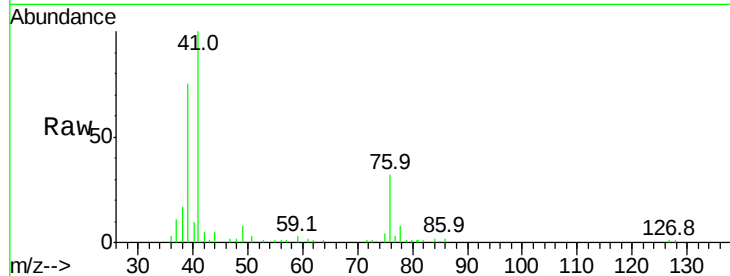
Tgt Ion: 41 Resp: 53990

Ion Ratio Lower Upper

41 100

76 32.5 25.0 37.6

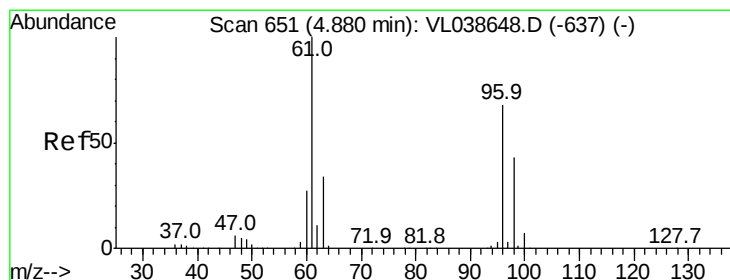
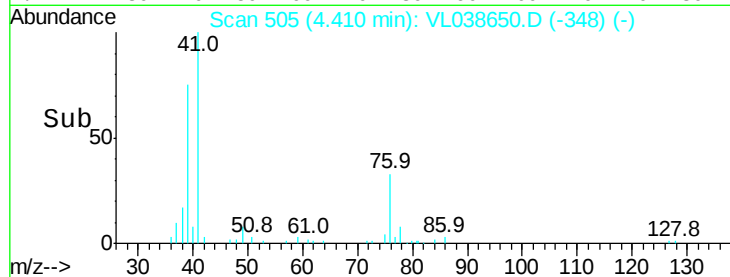
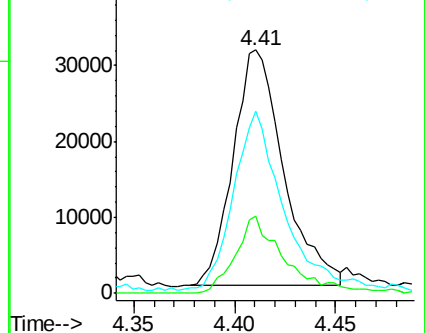
39 79.7 56.6 85.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 0.81 ppbv

RT: 4.88 min Scan# 652

Delta R.T. 0.00 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

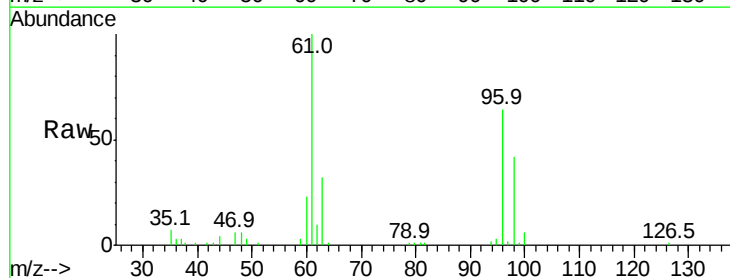
Tgt Ion: 96 Resp: 37032

Ion Ratio Lower Upper

96 100

61 154.9 118.3 177.5

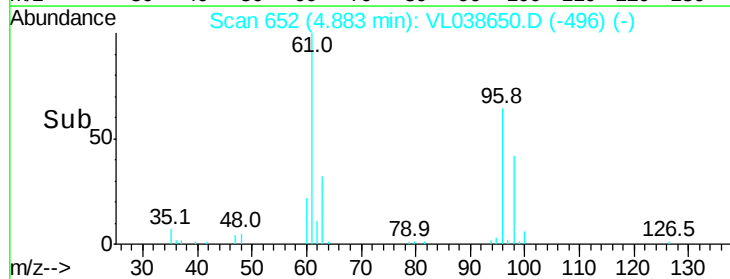
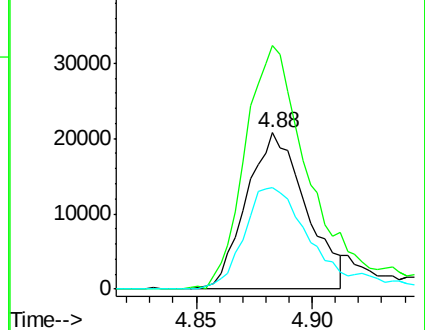
98 65.1 51.3 76.9

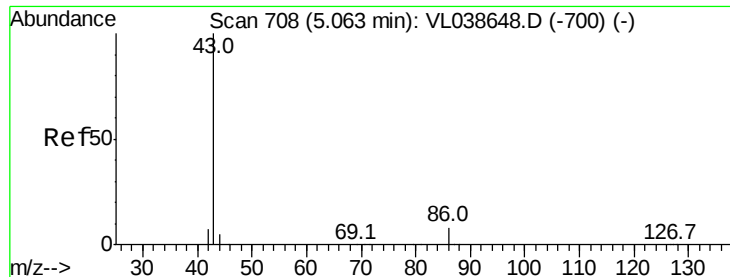


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 0.79 ppbv

RT: 5.07

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

VSTDIC001

Acq: 21 Mar 2022 13:54

Tgt Ion: 43 Resp: 75534

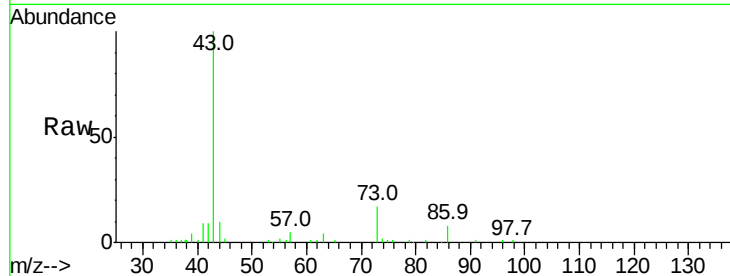
Ion Ratio Lower Upper

43 100

86 8.5 5.6 8.4#

42 8.6 6.8 10.2

44 6.5 4.2 6.2#

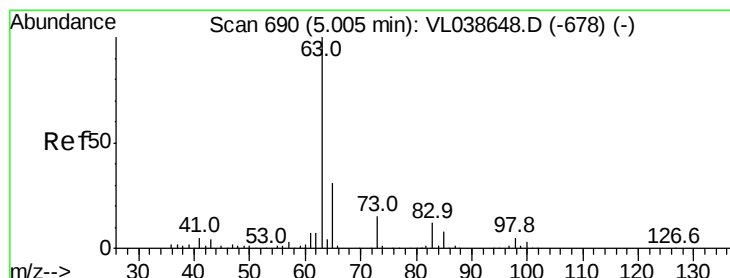
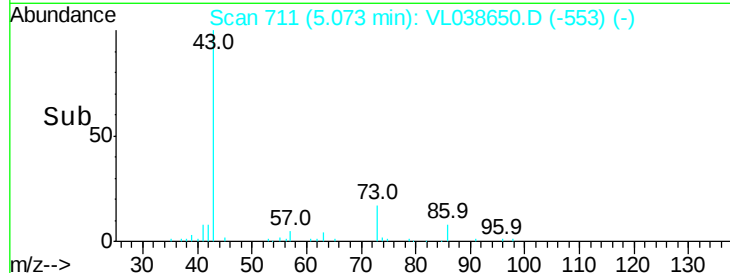
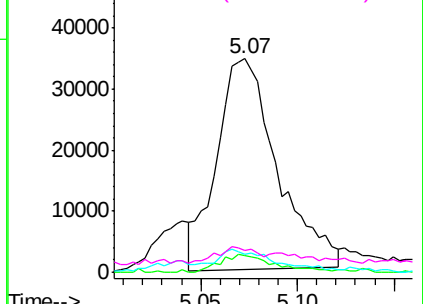


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.93 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

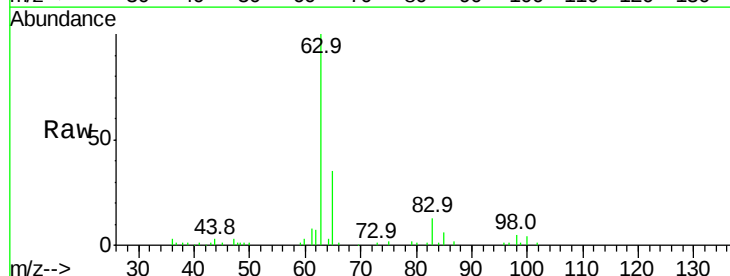
Tgt Ion: 63 Resp: 80863

Ion Ratio Lower Upper

63 100

98 5.1 2.5 7.5

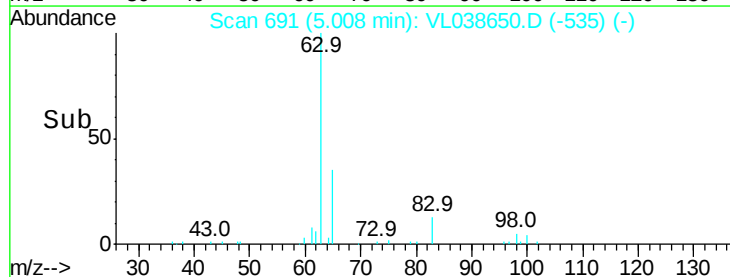
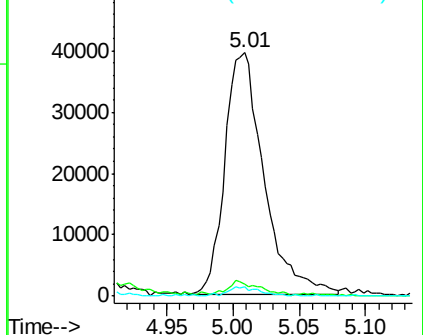
100 3.7 1.4 4.2

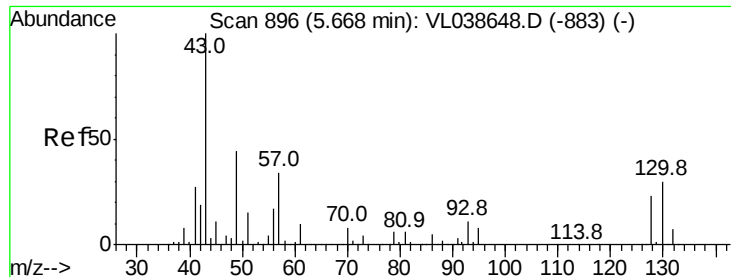


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

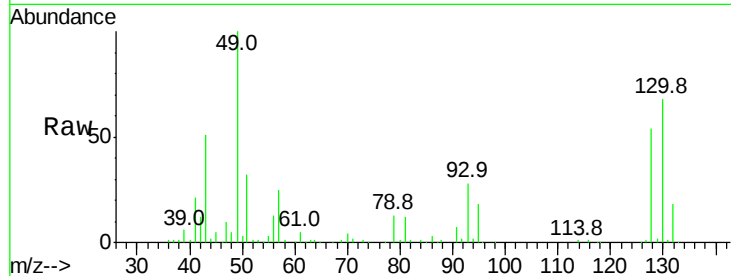
Ion 100.00 (99.70 to 100.70): VL0



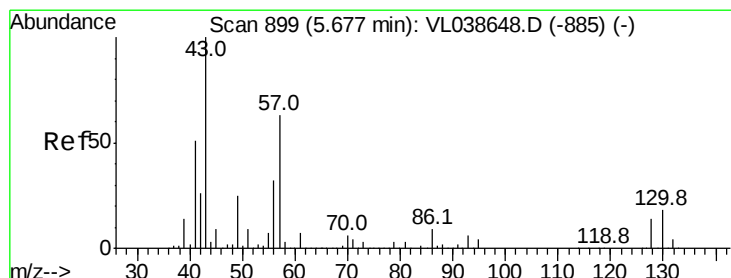
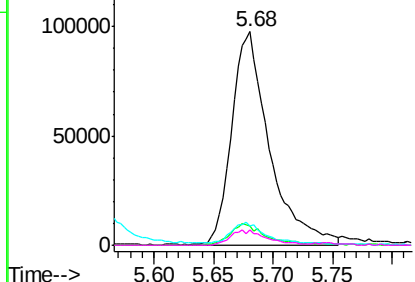
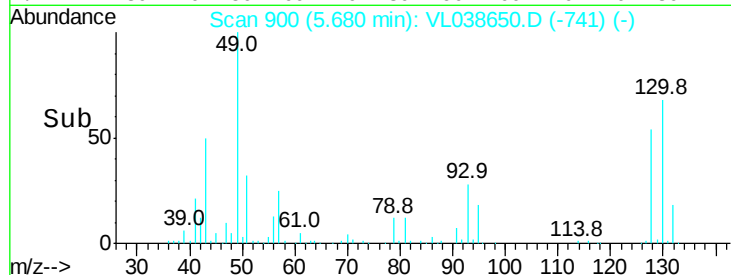


#25
Ethyl Acetate
Concen: 0.96 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 21 Mar 2022 13:54

Tgt Ion:	43	Resp:	215622
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.2	12.4
61	11.4	8.3	12.5
70	7.9	5.6	8.4

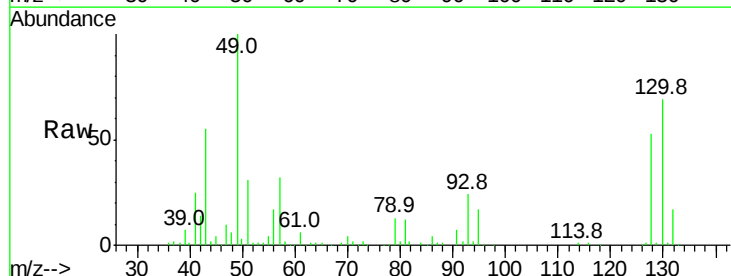


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

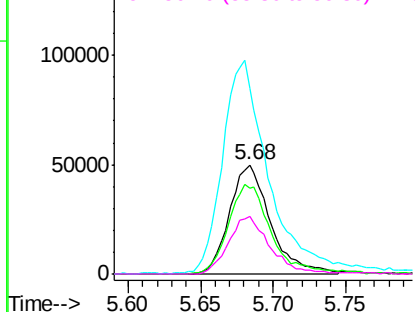
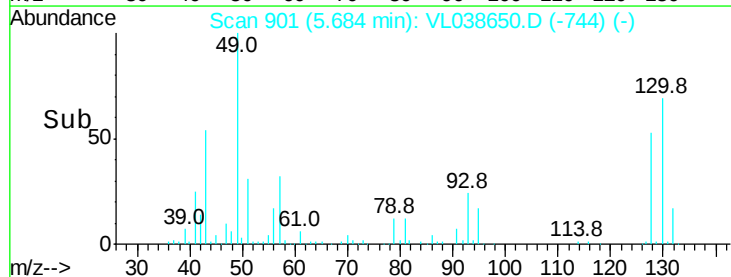


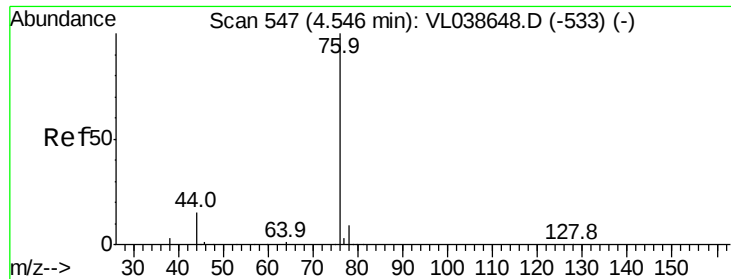
#26
Hexane
Concen: 0.92 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

Tgt Ion:	57	Resp:	97460
Ion	Ratio	Lower	Upper
57	100		
41	88.0	67.0	100.4
43	229.4	184.2	276.2
56	54.5	42.6	64.0



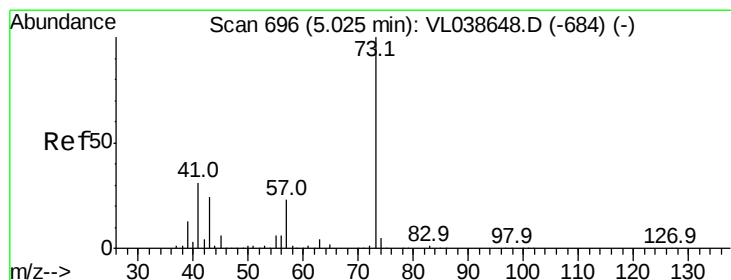
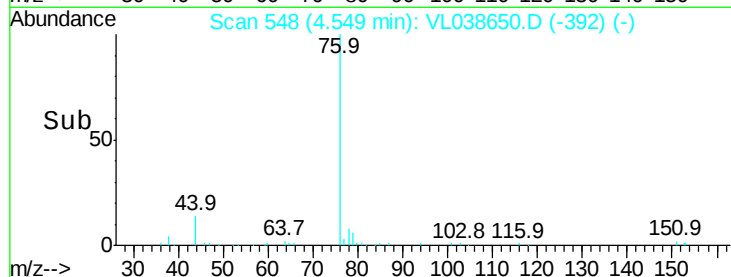
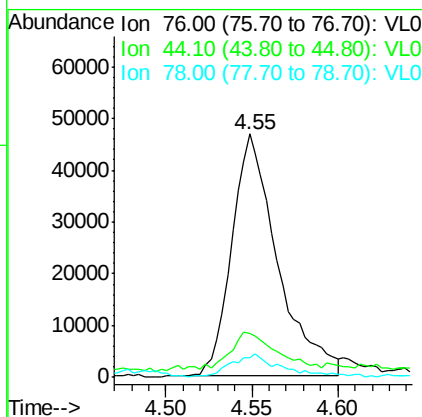
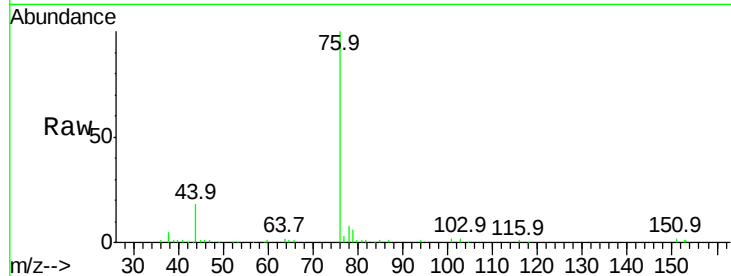
Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





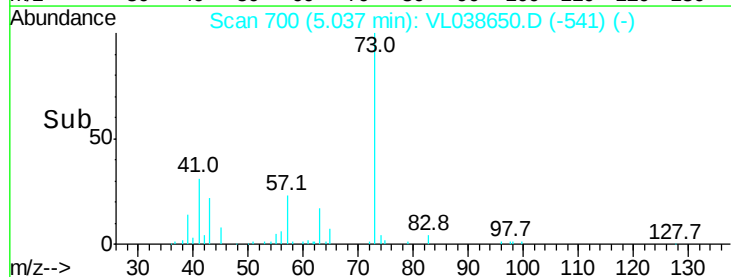
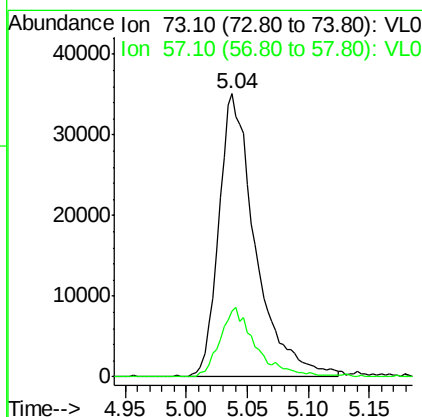
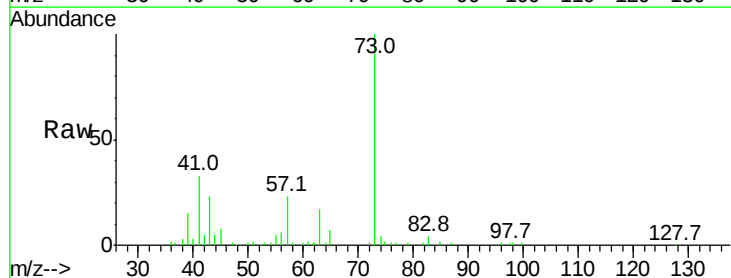
#27
Carbon Disulfide
Concen: 0.83 ppbv
RT: 4.55
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC001
Acq: 21 Mar 2022 13:54

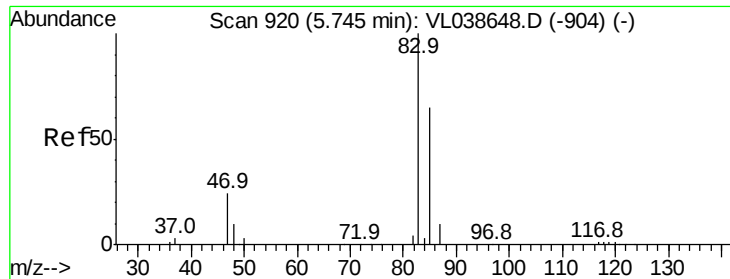
Tgt Ion: 76 Resp: 87084
Ion Ratio Lower Upper
76 100
44 21.6 12.4 18.6#
78 11.0 7.8 11.8



#28
Methyl tert-Butyl Ether
Concen: 0.86 ppbv
RT: 5.04 min Scan# 700
Delta R.T.: 0.01 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

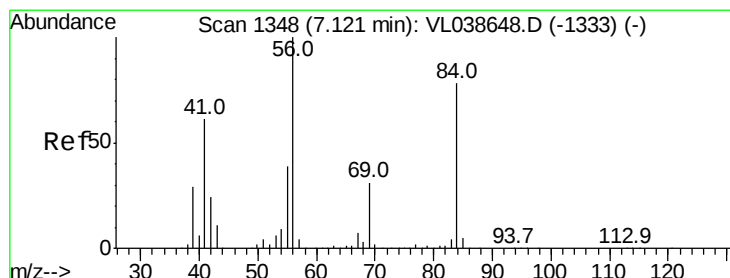
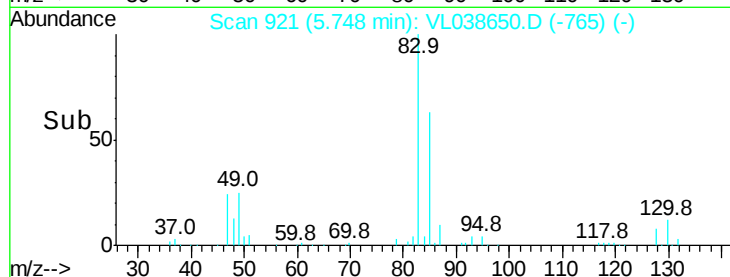
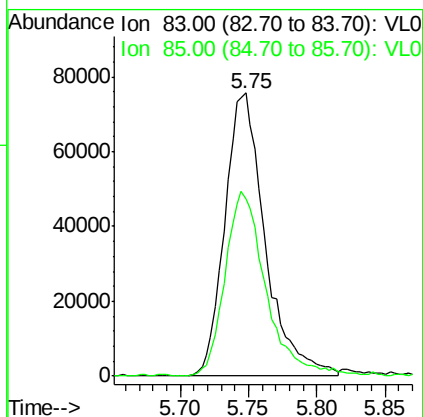
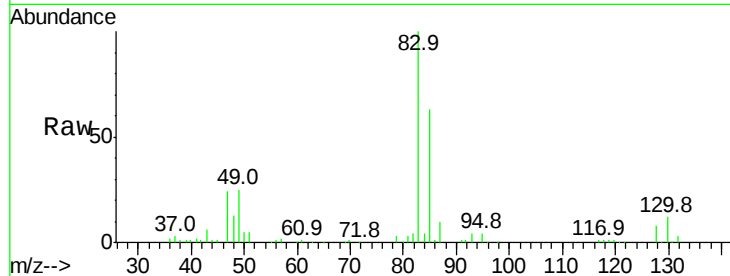
Tgt Ion: 73 Resp: 74082
Ion Ratio Lower Upper
73 100
57 24.2 19.2 28.8





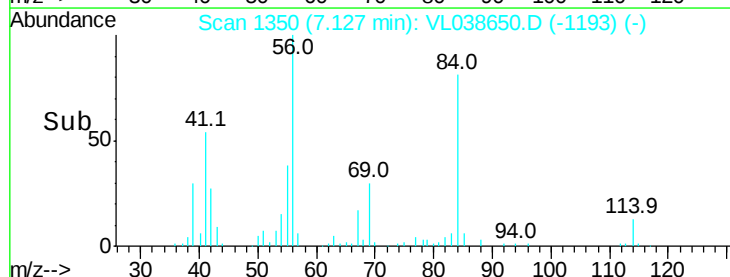
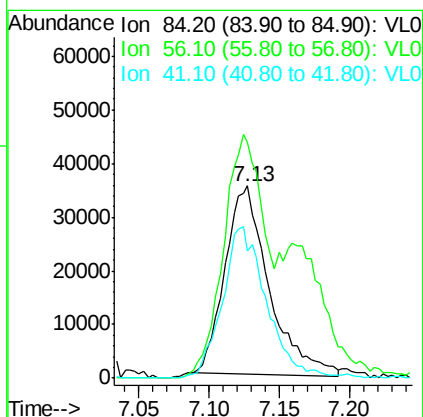
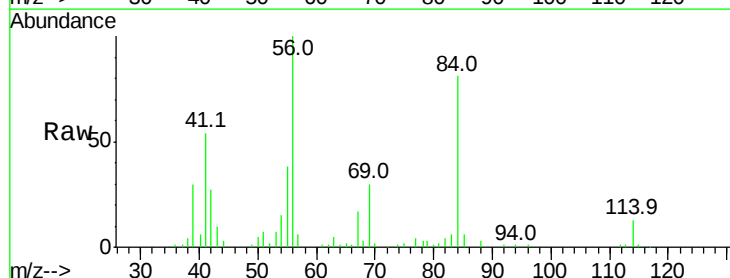
#29
Chloroform
Concen: 0.95 ppbv
RT: 5.75 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 21 Mar 2022 13:54

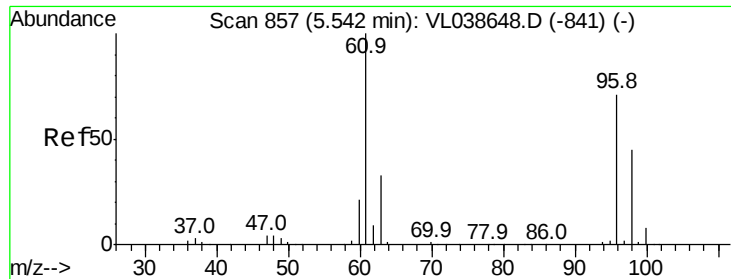
Tgt Ion: 83 Resp: 156131
Ion Ratio Lower Upper
83 100
85 62.3 51.7 77.5



#30
Cyclohexane
Concen: 0.85 ppbv
RT: 7.13 min Scan# 1350
Delta R.T.: 0.01 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

Tgt Ion: 84 Resp: 77238
Ion Ratio Lower Upper
84 100
56 193.5 108.2 162.4#
41 80.7 61.8 92.6





#31

cis-1,2-Dichloroethene

Concen: 0.87 ppbv

RT: 5.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 13:54 VSTDIC001

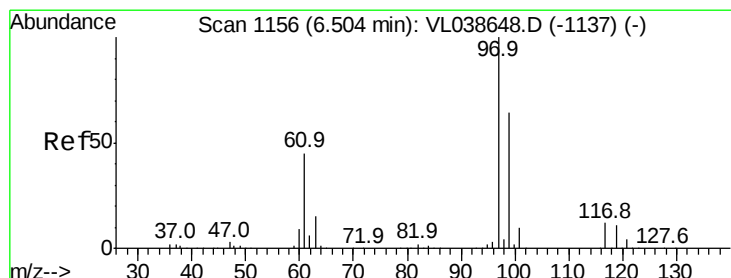
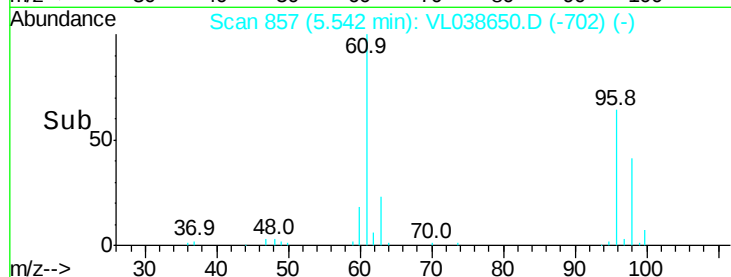
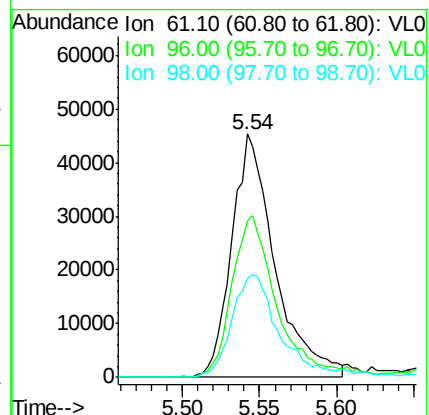
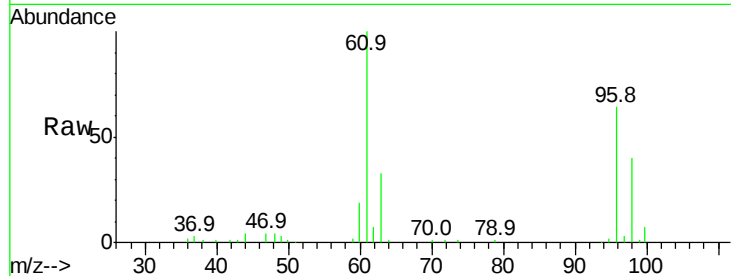
Tgt Ion: 61 Resp: 87873

Ion Ratio Lower Upper

61 100

96 64.2 56.6 84.8

98 40.5 36.3 54.5



#32

1,1,1-Trichloroethane

Concen: 0.93 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. 0.00 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

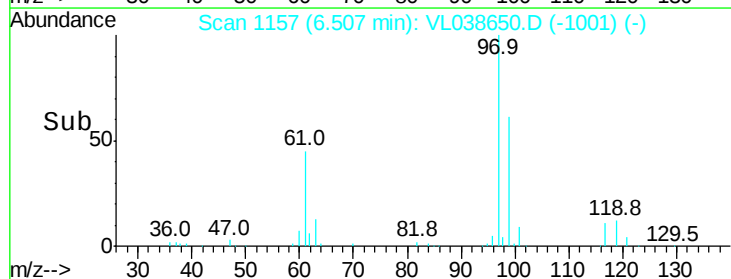
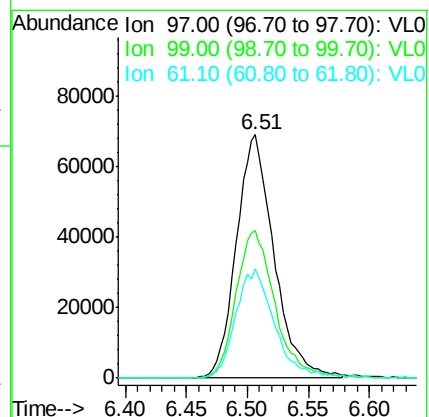
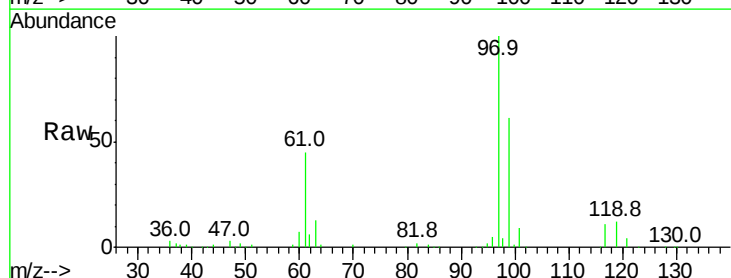
Tgt Ion: 97 Resp: 148256

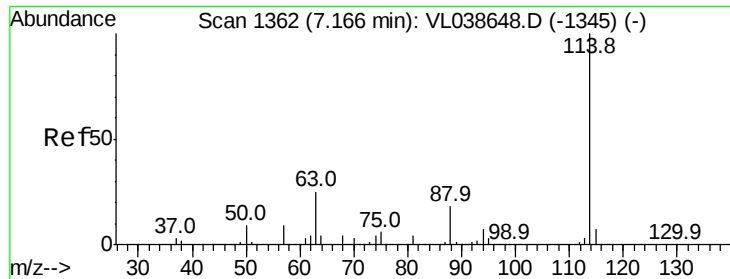
Ion Ratio Lower Upper

97 100

99 62.7 51.8 77.8

61 46.8 36.7 55.1





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC001

Acq: 21 Mar 2022 13:54

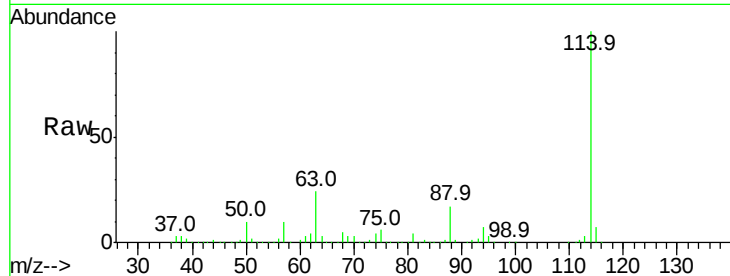
Tgt Ion:114 Resp: 2516835

Ion Ratio Lower Upper

114 100

63 24.0 19.4 29.0

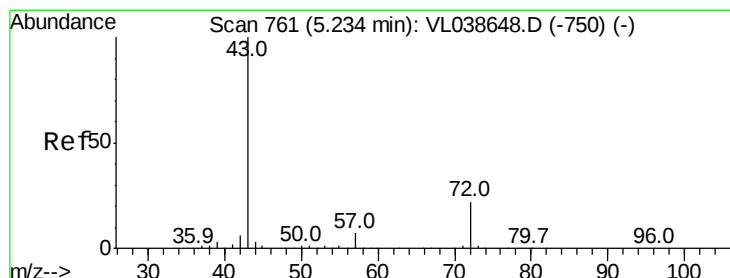
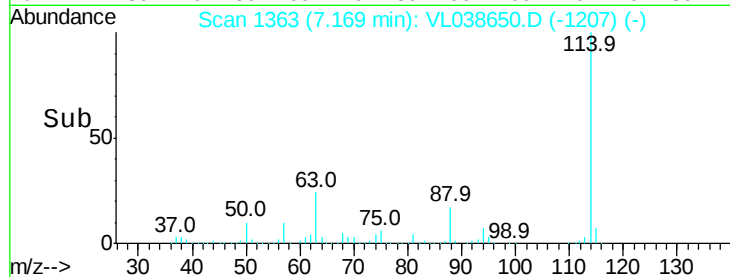
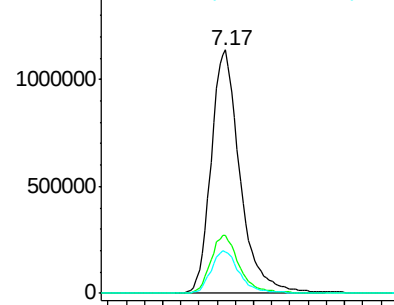
88 17.4 13.9 20.9



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 1.28 ppbv

RT: 5.25 min Scan# 765

Delta R.T. 0.01 min

Lab File: VL038650.D

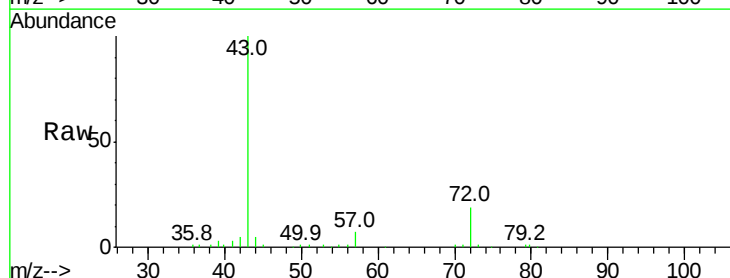
Acq: 21 Mar 2022 13:54

Tgt Ion: 43 Resp: 83194

Ion Ratio Lower Upper

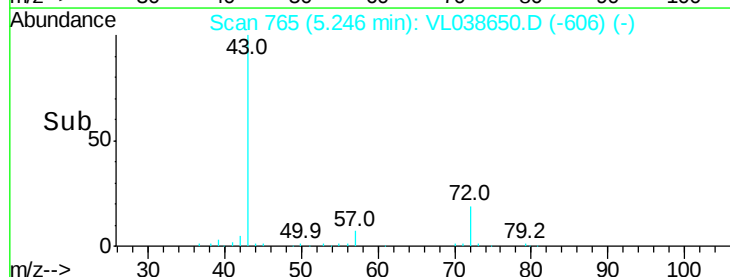
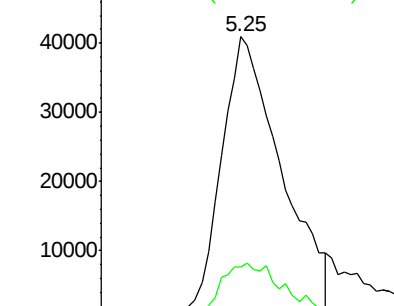
43 100

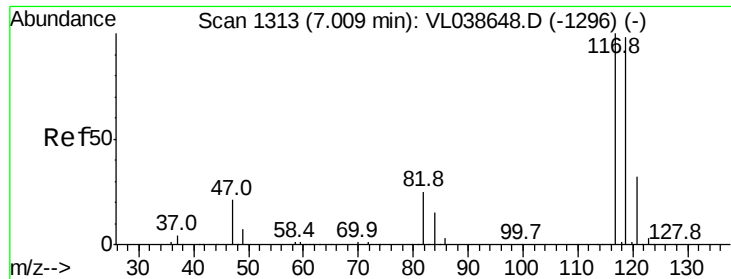
72 27.5 17.8 26.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

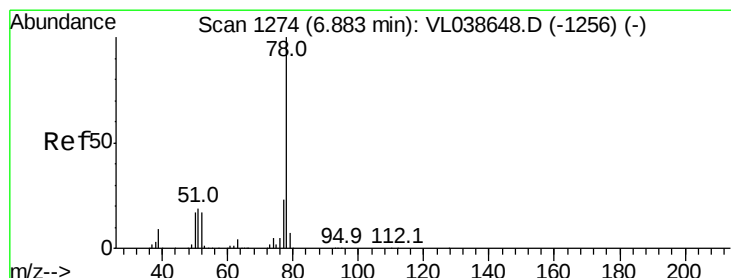
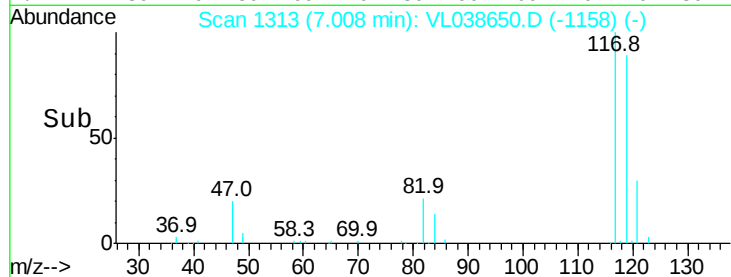
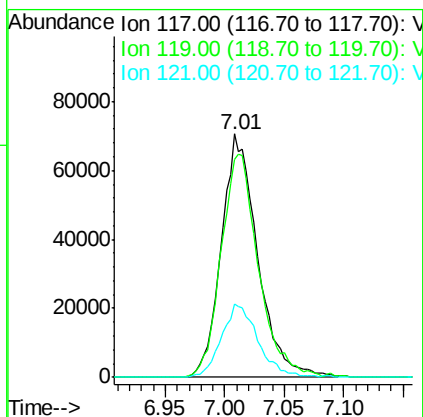
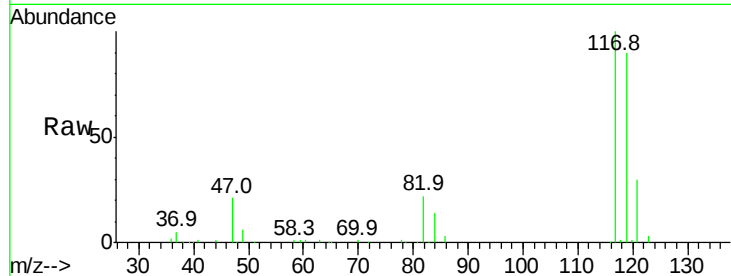
Ion 72.10 (71.80 to 72.80): VL0





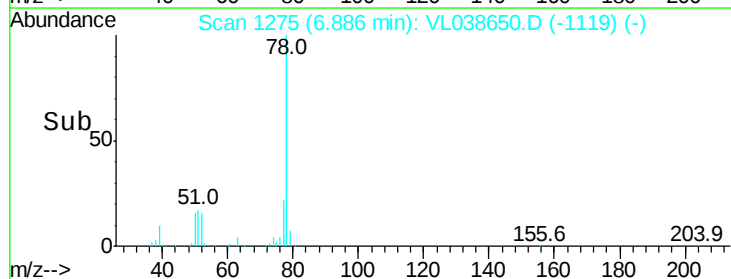
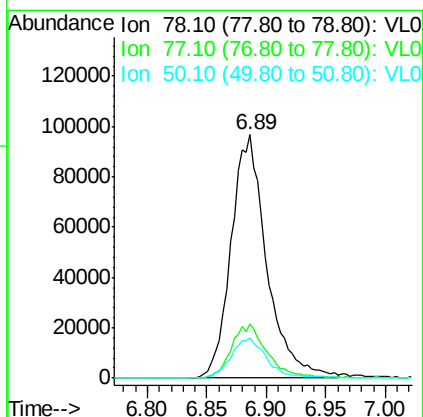
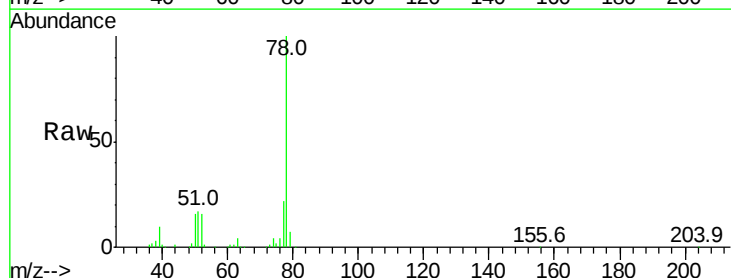
#35
Carbon Tetrachloride
Concen: 0.87 ppbv
RT: 7.01
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 21 Mar 2022 13:54

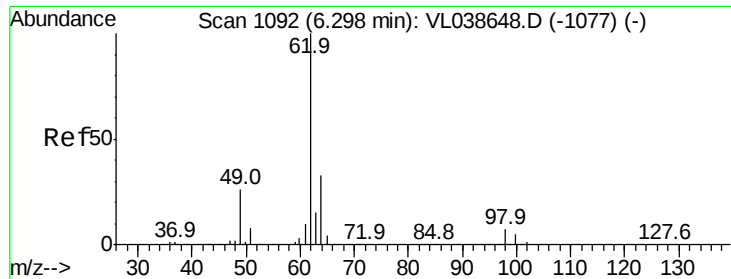
Tgt Ion: 117 Resp: 148871
Ion Ratio Lower Upper
117 100
119 88.0 78.1 117.1
121 29.6 25.8 38.6



#36
Benzene
Concen: 0.88 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

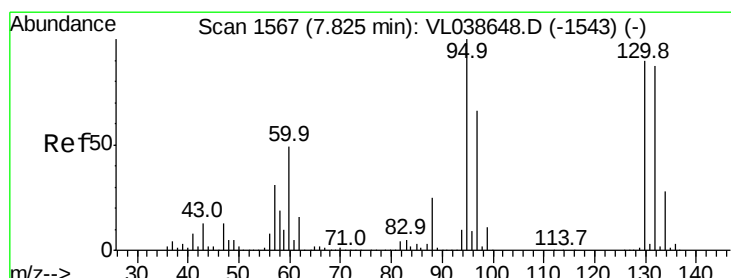
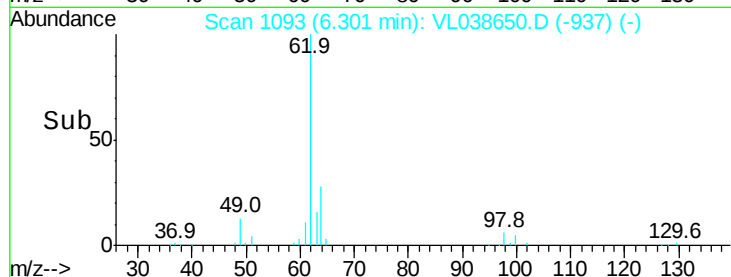
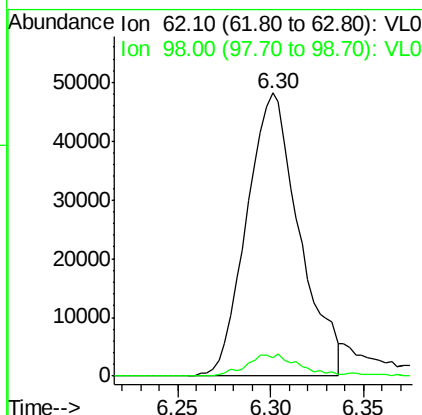
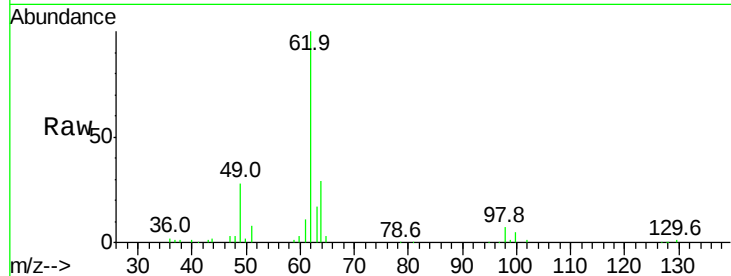
Tgt Ion: 78 Resp: 200870
Ion Ratio Lower Upper
78 100
77 22.4 18.1 27.1
50 16.3 13.6 20.4





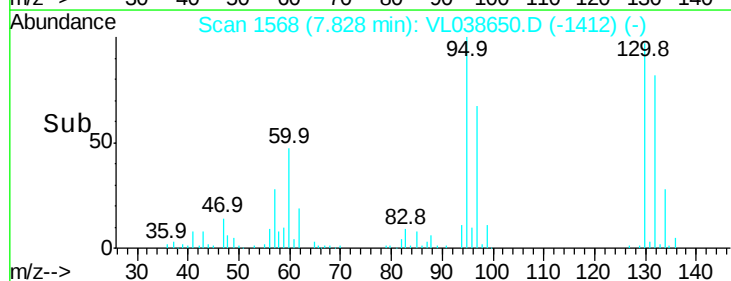
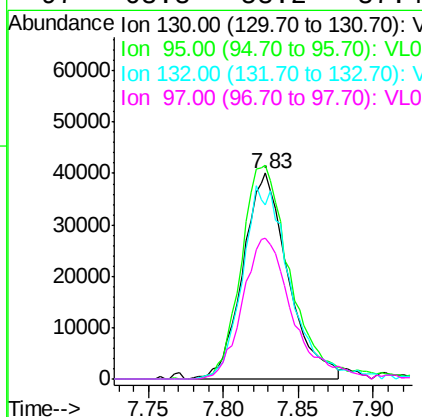
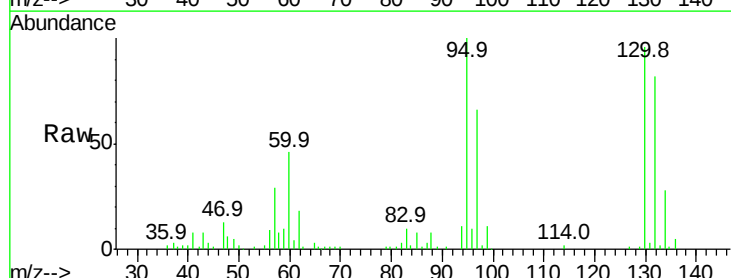
#37
 1,2-Dichloroethane
 Concen: 0.88 ppbv
 RT: 6.30
 Delta R.T.: MSVOA_1
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 21 Mar 2022 13:54

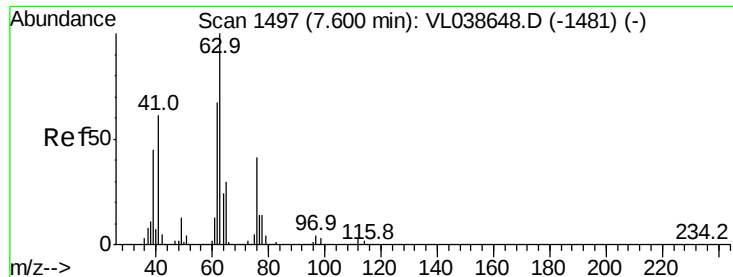
Tgt Ion: 62 Resp: 95163
 Ion Ratio Lower Upper
 62 100
 98 7.9 5.6 8.4



#38
 Trichloroethene
 Concen: 0.93 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T.: 0.00 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

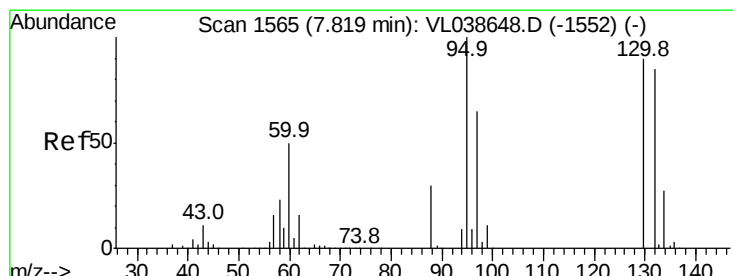
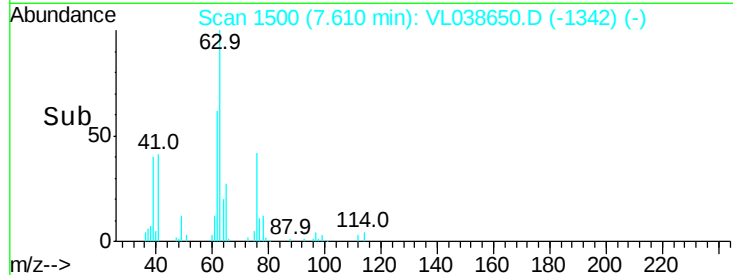
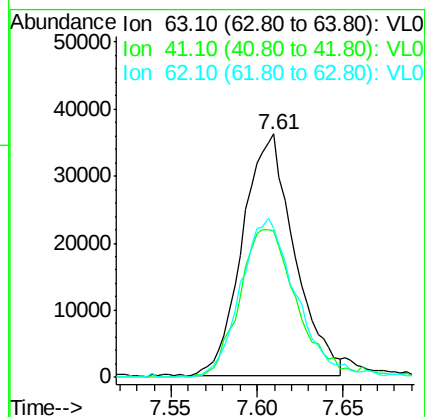
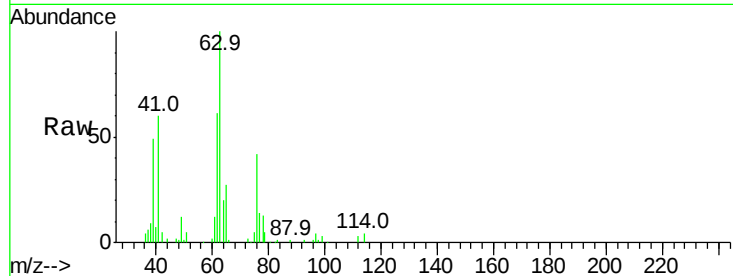
Tgt Ion: 130 Resp: 84164
 Ion Ratio Lower Upper
 130 100
 95 103.9 88.9 133.3
 132 84.9 77.4 116.0
 97 68.8 58.2 87.4





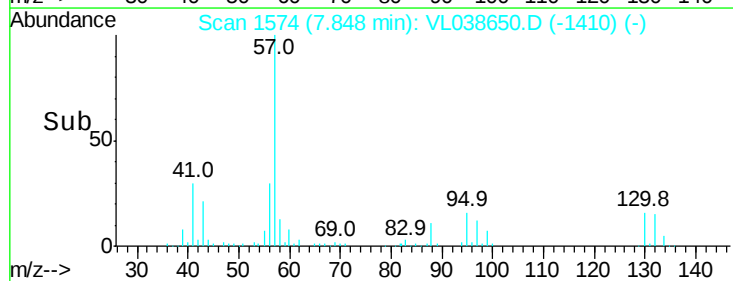
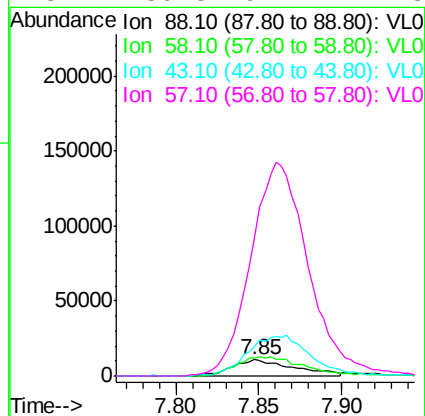
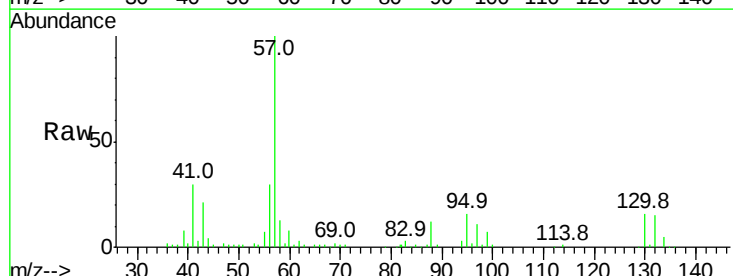
#39
 1,2-Dichloropropane
 Concen: 0.87 ppbv
 RT: 7.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 21 Mar 2022 13:54

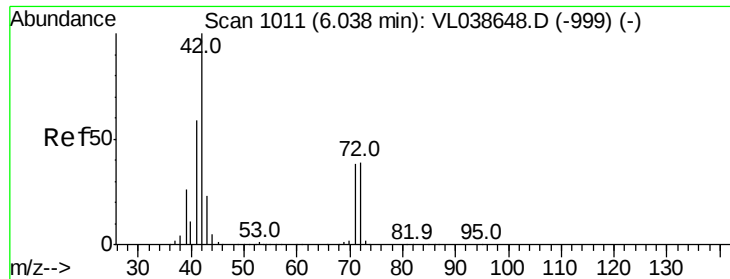
Tgt Ion: 63 Resp: 76104
 Ion Ratio Lower Upper
 63 100
 41 60.7 49.0 73.6
 62 60.8 53.9 80.9



#40
 1,4-Dioxane
 Concen: 1.29 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.03 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

Tgt Ion: 88 Resp: 28142
 Ion Ratio Lower Upper
 88 100
 58 135.3 105.6 158.4
 43 257.4 201.9 302.9
 57 1239.3 942.1 1413.1





#41

Tetrahydrofuran

Concen: 0.56 ppbv

RT: 6.06 Instrument: MSVOA_1

Delta R.T. -0.00 min

Lab File: ClientSampleId: VSTDIC001

Acq: 21 Mar 2022 13:54

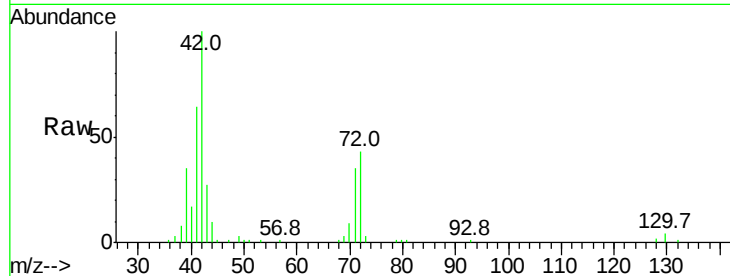
Tgt Ion: 42 Resp: 29663

Ion Ratio Lower Upper

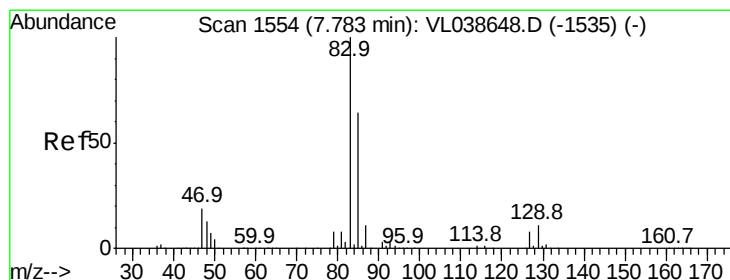
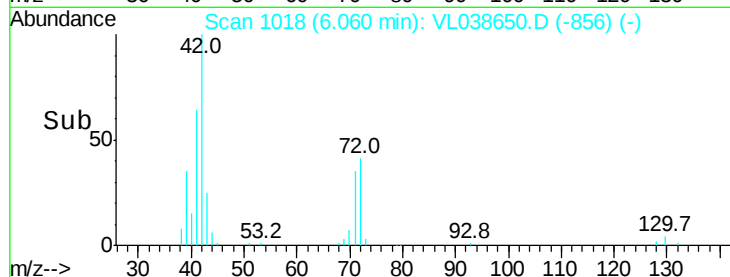
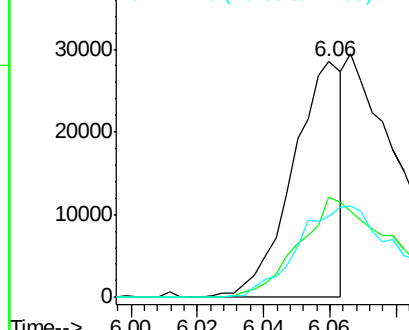
42 100

72 92.4 32.5 48.7#

71 0.0 31.4 47.2#



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



#42

Bromodichloromethane

Concen: 0.86 ppbv

RT: 7.78 min Scan# 1554

Delta R.T. -0.00 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

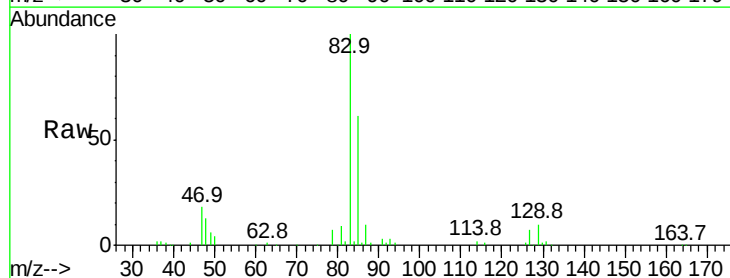
Tgt Ion: 83 Resp: 148176

Ion Ratio Lower Upper

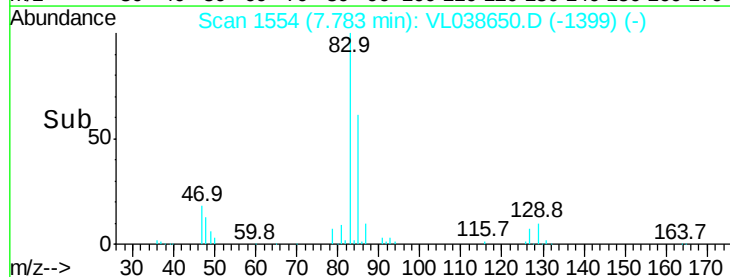
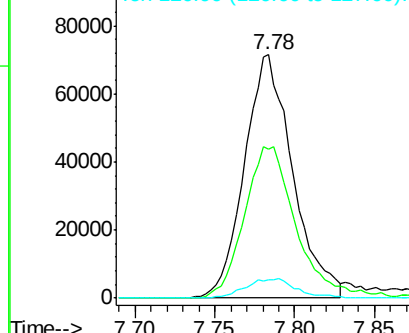
83 100

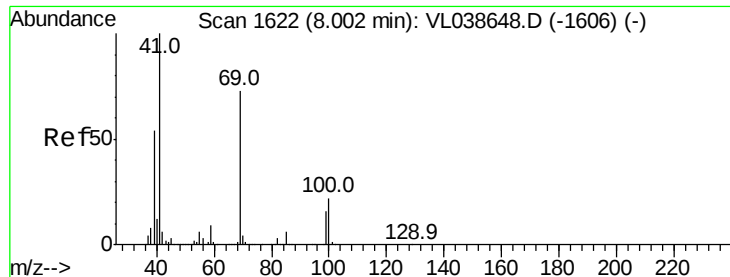
85 61.1 51.1 76.7

127 7.4 6.5 9.7



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





#43

Methyl Methacrylate

Concen: 0.88 ppbv

RT: 8.01 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC001

Acq: 21 Mar 2022 13:54

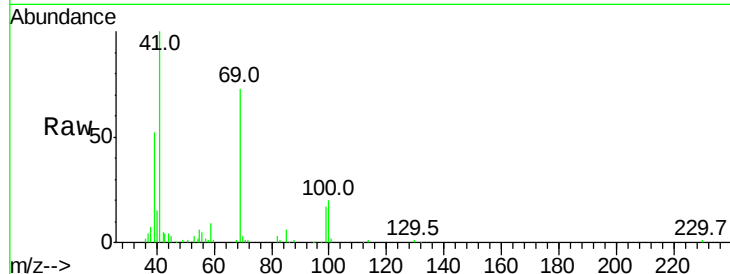
Tgt Ion: 69 Resp: 68673

Ion Ratio Lower Upper

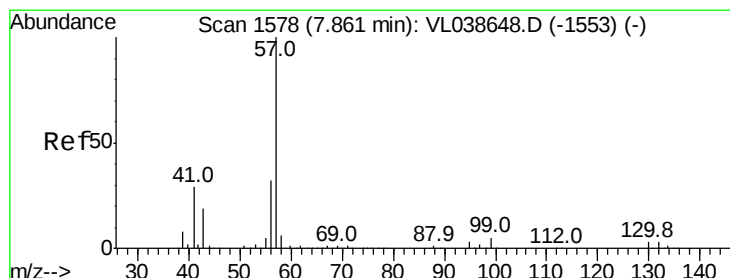
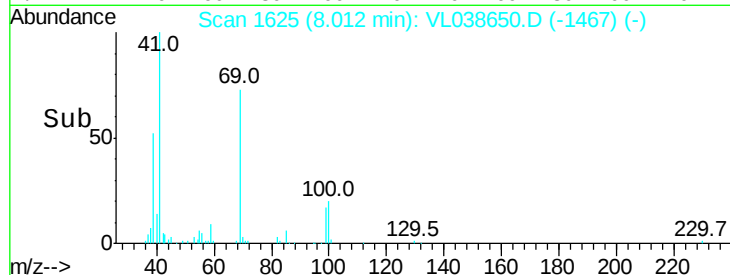
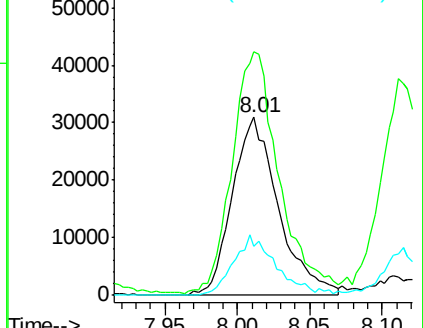
69 100

41 137.9 110.3 165.5

100 31.1 24.8 37.2



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



#44

2,2,4-Trimethylpentane

Concen: 0.90 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

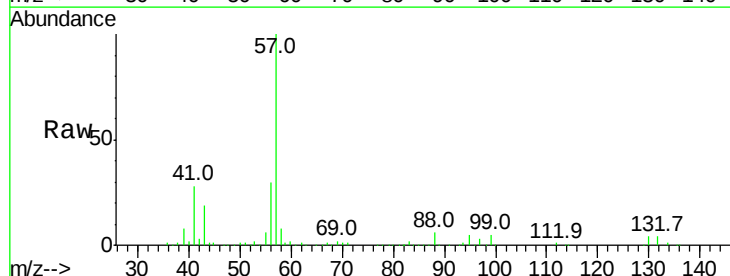
Tgt Ion: 57 Resp: 346410

Ion Ratio Lower Upper

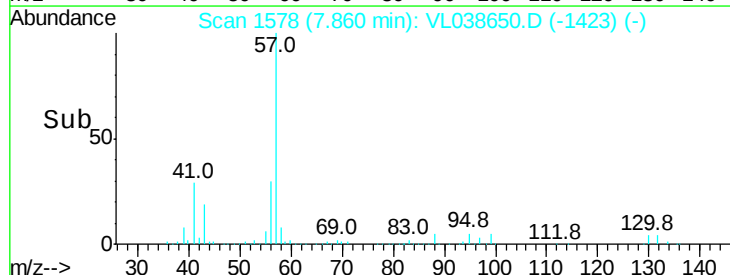
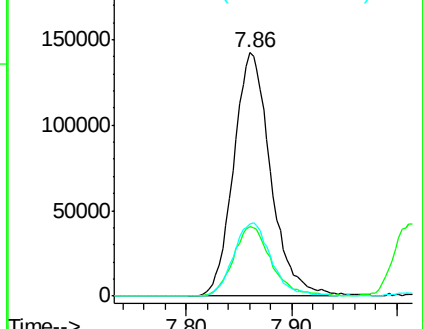
57 100

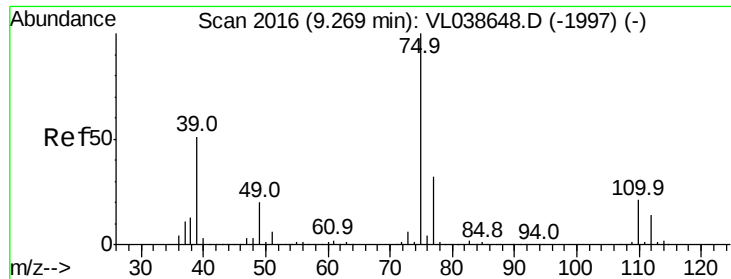
41 29.7 23.0 34.4

56 30.9 25.3 37.9



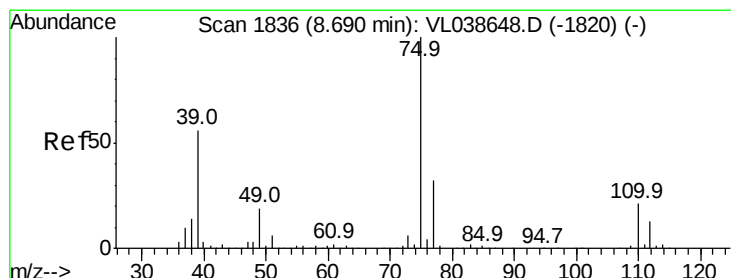
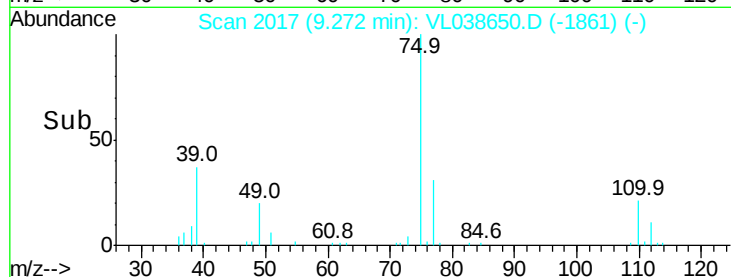
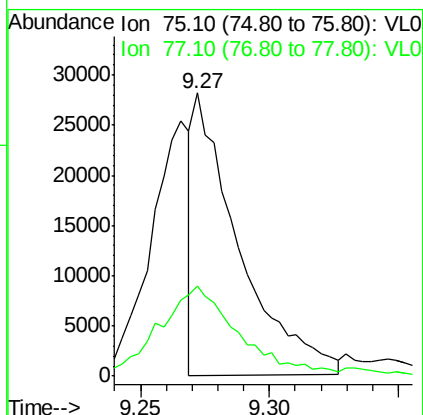
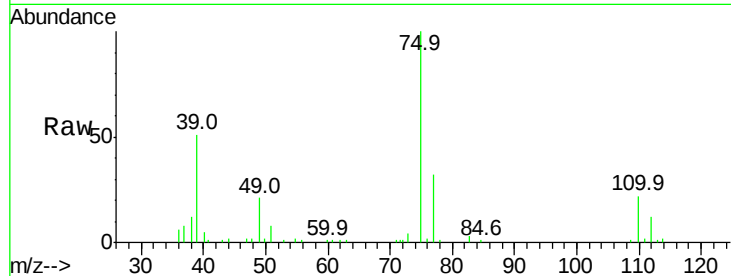
Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





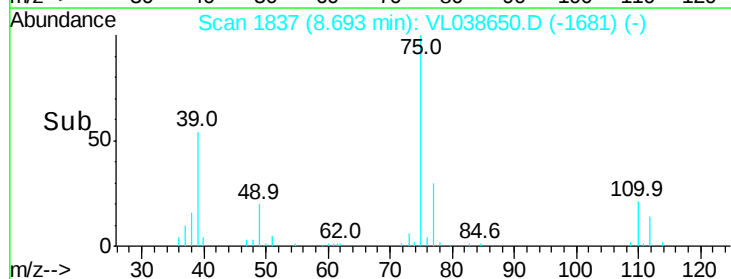
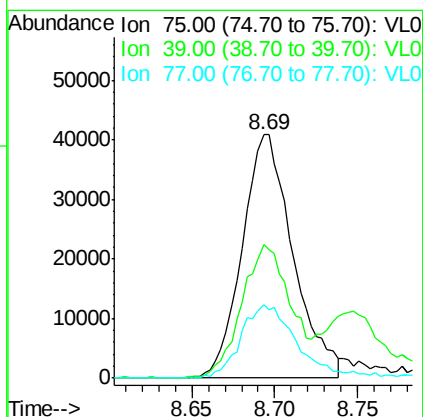
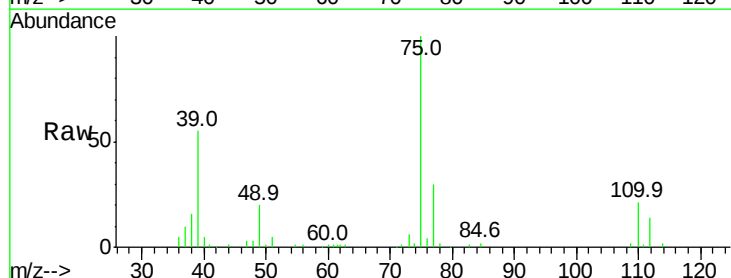
#45
 t-1,3-Dichloropropene
 Concen: 0.61 ppbv
 RT: 9.27
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 21 Mar 2022 13:54

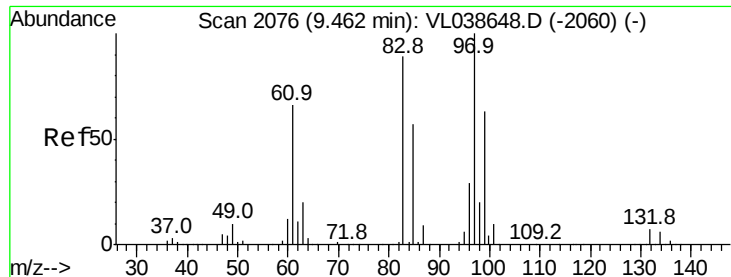
Tgt Ion: 75 Resp: 34007
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3



#46
 cis-1,3-Dichloropropene
 Concen: 1.13 ppbv
 RT: 8.69 min Scan# 1837
 Delta R.T. 0.00 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

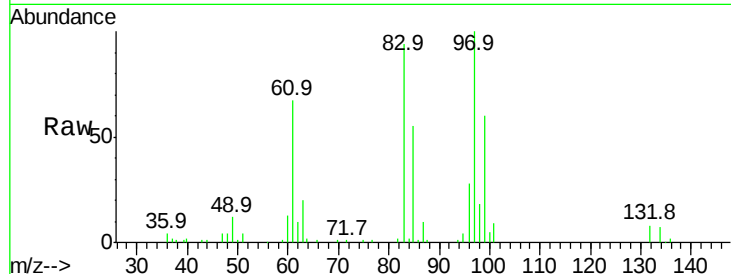
Tgt Ion: 75 Resp: 87043
 Ion Ratio Lower Upper
 75 100
 39 53.3 44.8 67.2
 77 30.0 25.4 38.0



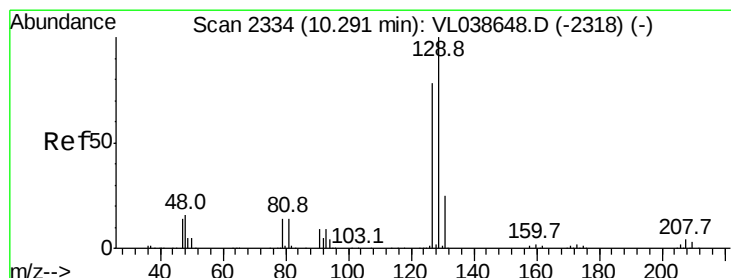
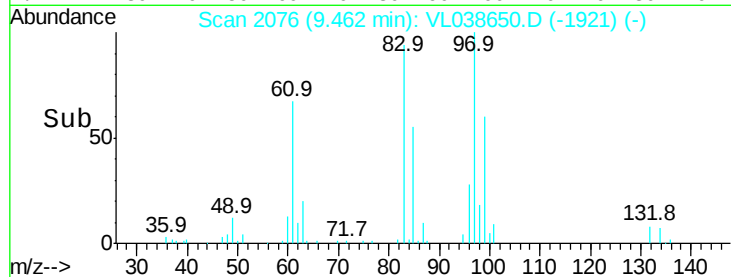
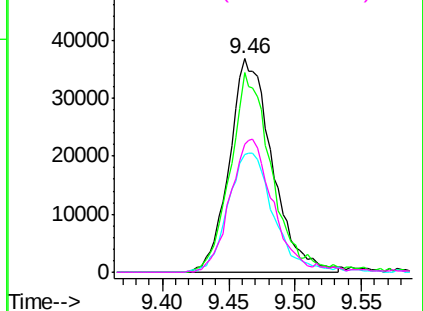


#47
 1,1,2-Trichloroethane
 Concen: 0.93 ppbv
 RT: 9.46 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 21 Mar 2022 13:54

Tgt Ion:	97	Resp:	82763
Ion	Ratio	Lower	Upper
97	100		
83	93.5	71.2	106.8
85	54.4	45.3	67.9
99	59.2	50.6	76.0

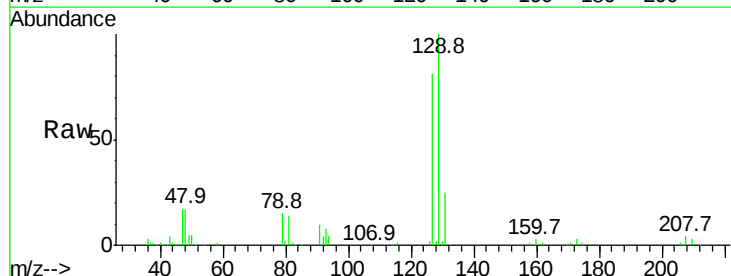


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

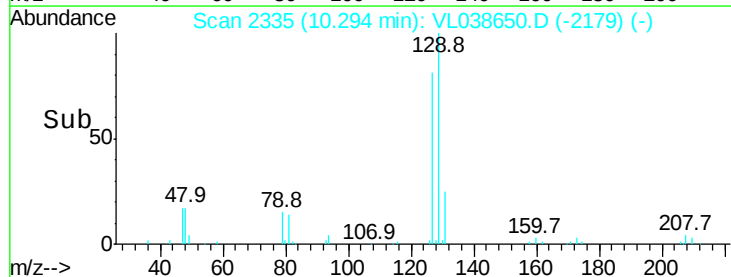
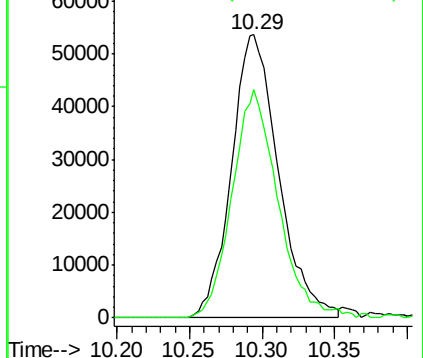


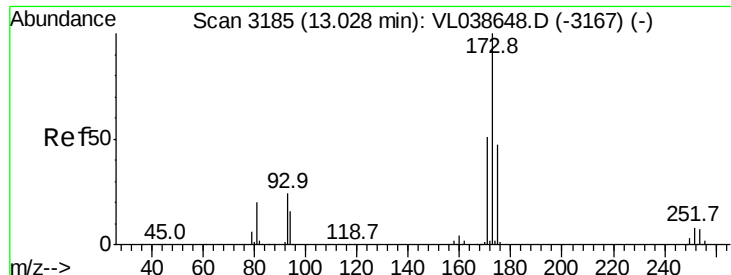
#48
 Dibromochloromethane
 Concen: 0.86 ppbv
 RT: 10.29 min Scan# 2335
 Delta R.T. 0.00 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

Tgt Ion:	129	Resp:	121107
Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.5	118.5



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





#49

Bromoform

Concen: 0.88 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDIC001

Acq: 21 Mar 2022 13:54

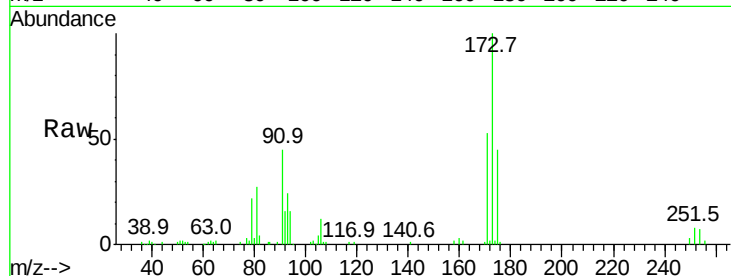
Tgt Ion: 173 Resp: 95480

Ion Ratio Lower Upper

173 100

175 49.9 41.0 61.6

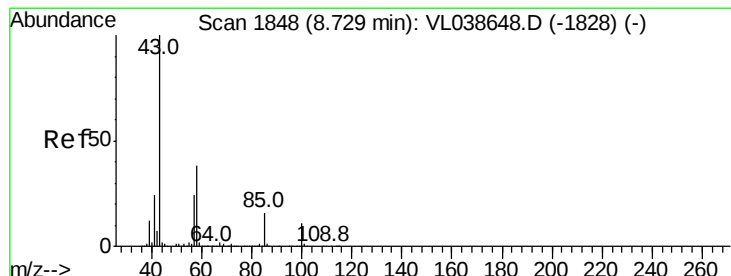
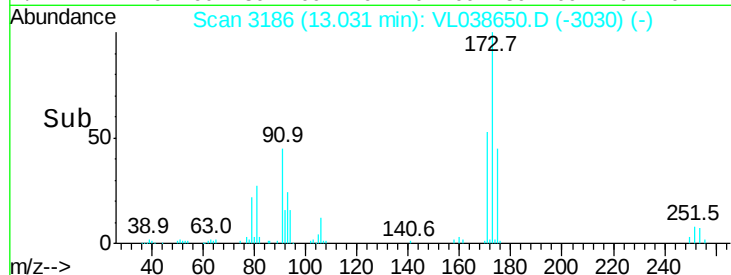
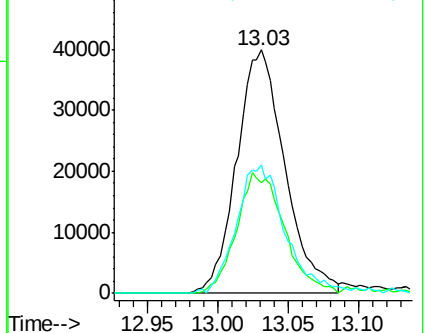
171 54.5 43.1 64.7



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 1.27 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.02 min

Lab File: VL038650.D

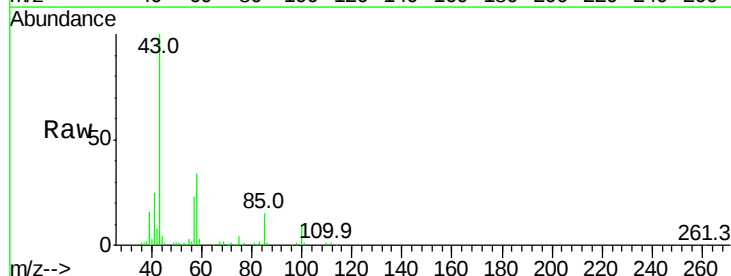
Acq: 21 Mar 2022 13:54

Tgt Ion: 43 Resp: 170459

Ion Ratio Lower Upper

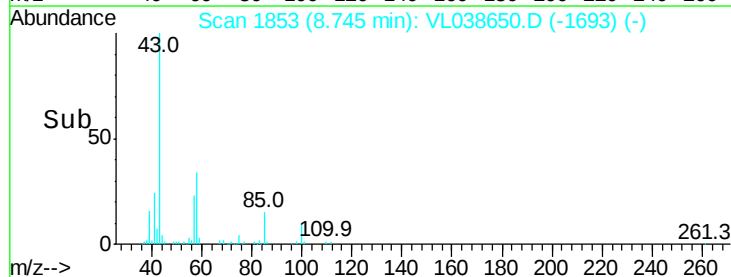
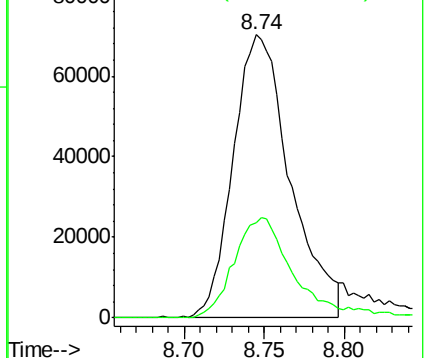
43 100

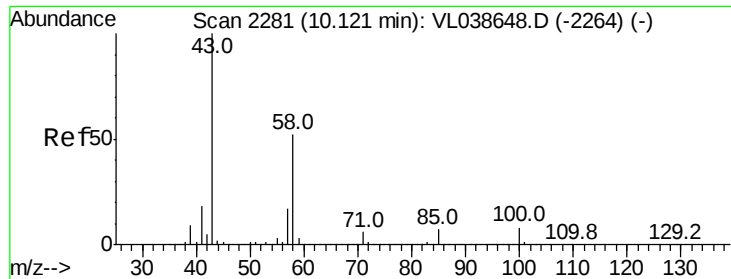
58 38.3 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

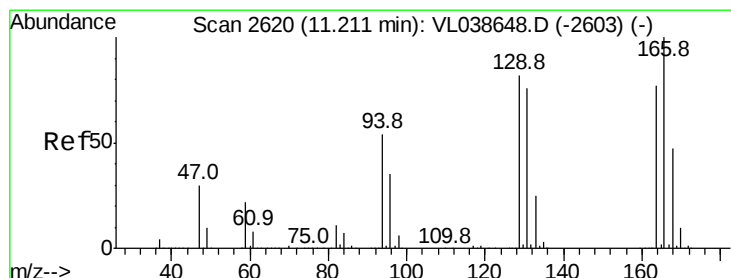
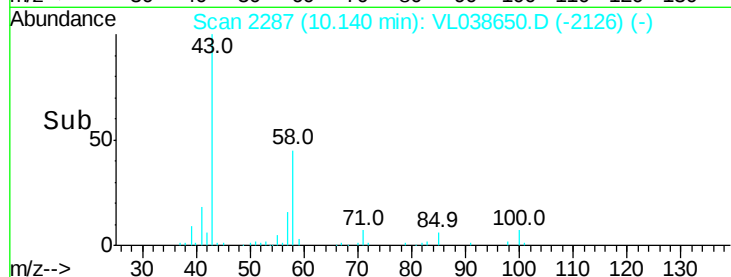
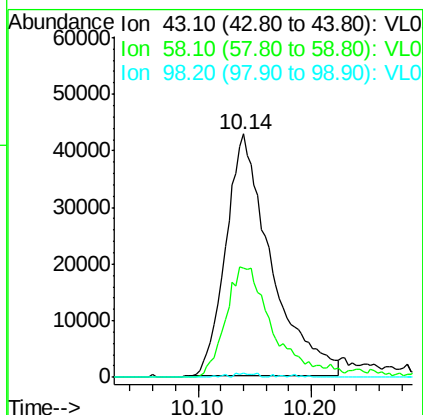
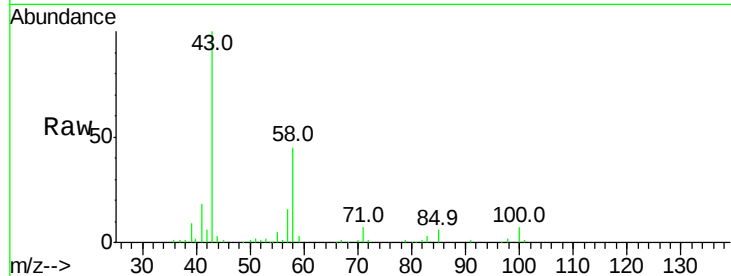
Ion 58.10 (57.80 to 58.80): VL0





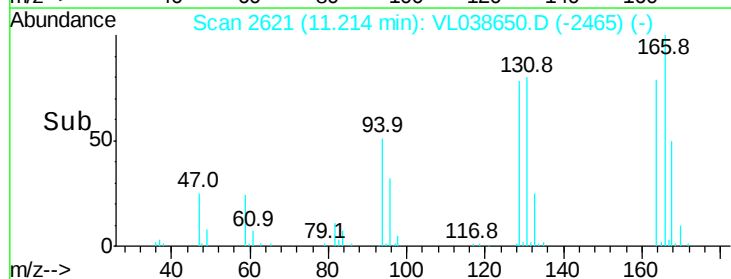
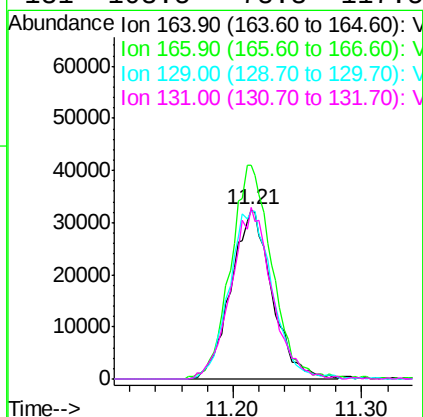
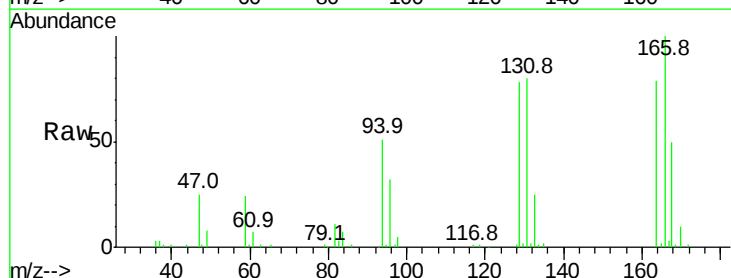
#51
2-Hexanone
Concen: 2.11 ppbv
RT: 10.14 min
Delta R.T.: 0.00 min
Lab File: VSTDIC001
Acq: 21 Mar 2022 13:54

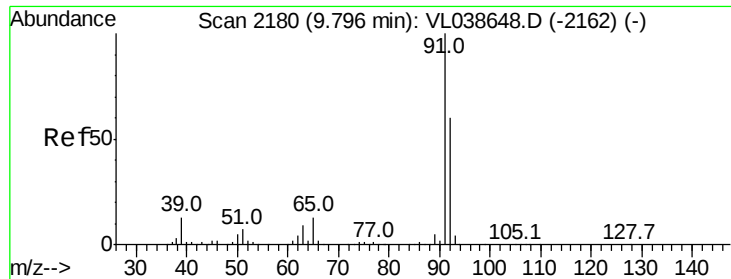
Tgt Ion: 43 Resp: 119093
Ion Ratio Lower Upper
43 100
58 49.7 41.2 61.8
98 0.9 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.86 ppbv
RT: 11.21 min Scan# 2621
Delta R.T.: 0.00 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

Tgt Ion: 164 Resp: 71858
Ion Ratio Lower Upper
164 100
166 124.7 103.3 154.9
129 99.0 85.2 127.8
131 103.5 78.3 117.5





#53

Toluene

Concen: 0.86 ppbv

RT: 9.80

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

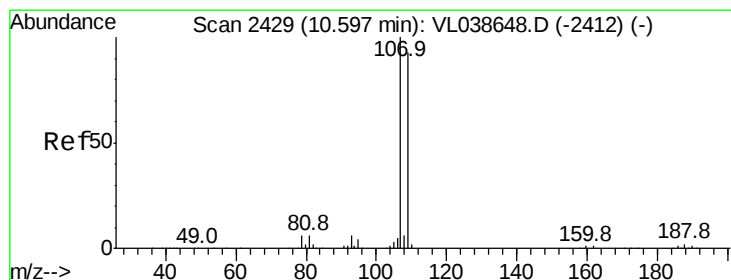
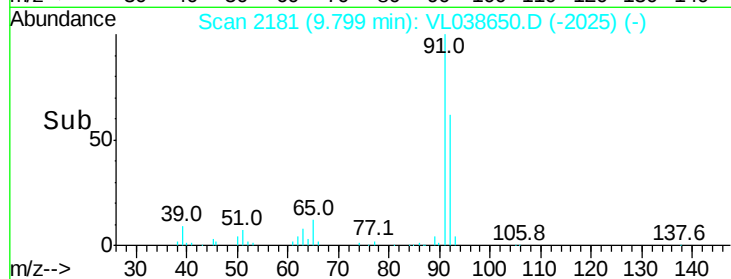
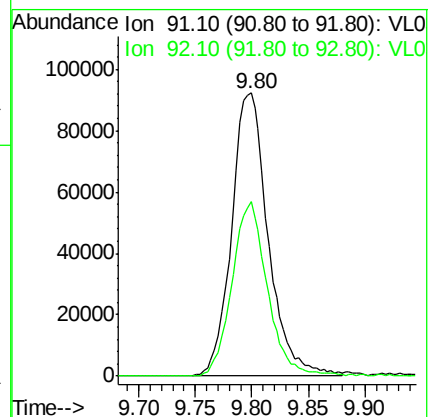
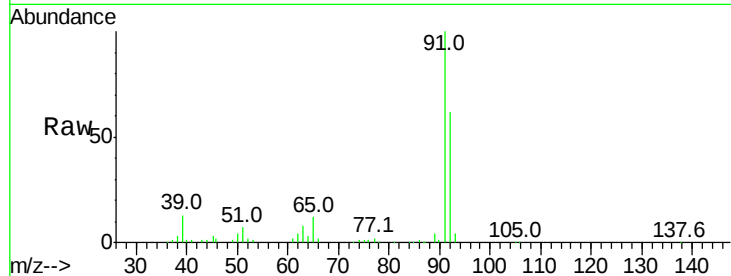
Acq: 21 Mar 2022 13:54

Tgt Ion: 91 Resp: 207872

Ion Ratio Lower Upper

91 100

92 60.0 48.7 73.1



#54

1,2-Dibromoethane

Concen: 0.83 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VL038650.D

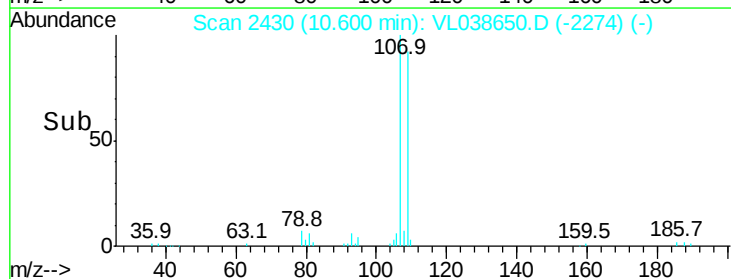
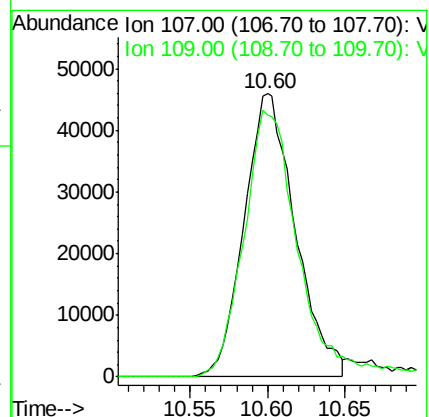
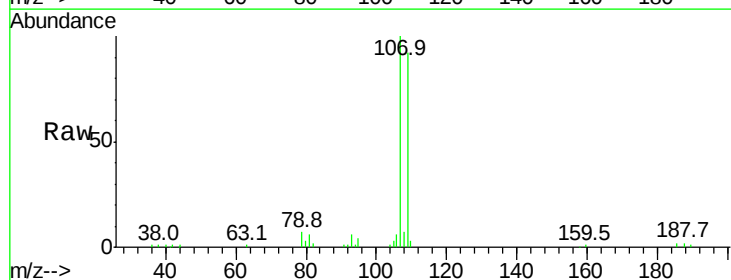
Acq: 21 Mar 2022 13:54

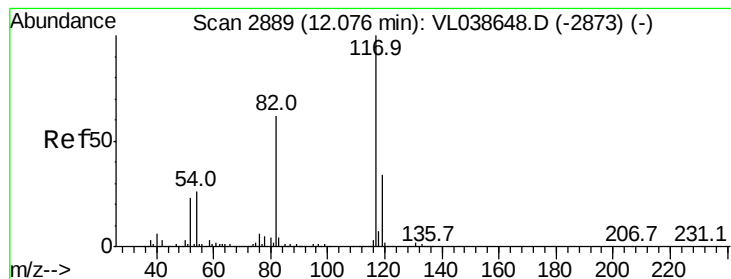
Tgt Ion: 107 Resp: 105937

Ion Ratio Lower Upper

107 100

109 92.4 74.1 111.1





#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.08

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 13:54

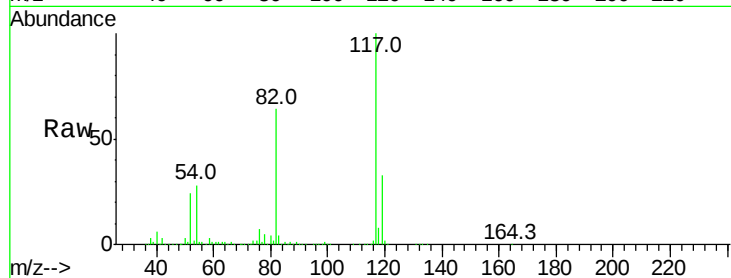
Tgt Ion:117 Resp: 2288280

Ion Ratio Lower Upper

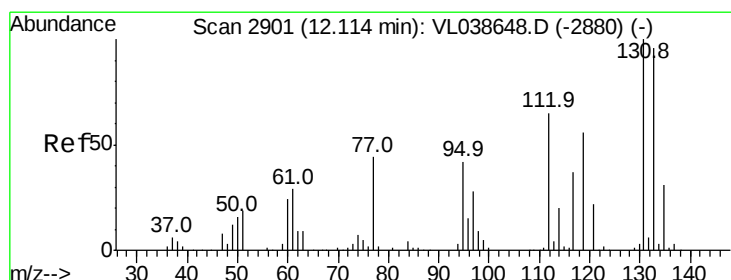
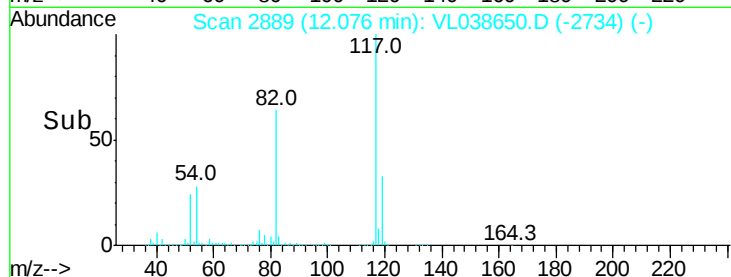
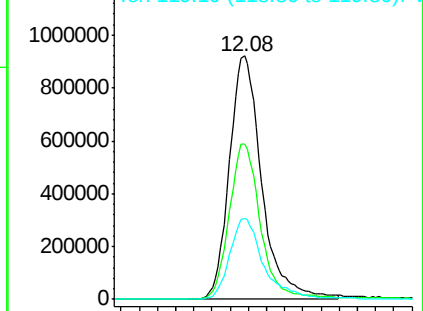
117 100

82 63.6 51.6 77.4

119 34.9 26.9 40.3



Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 1.05 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. -0.00 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

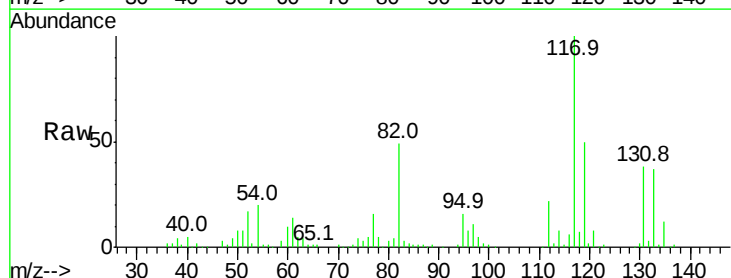
Tgt Ion:131 Resp: 98014

Ion Ratio Lower Upper

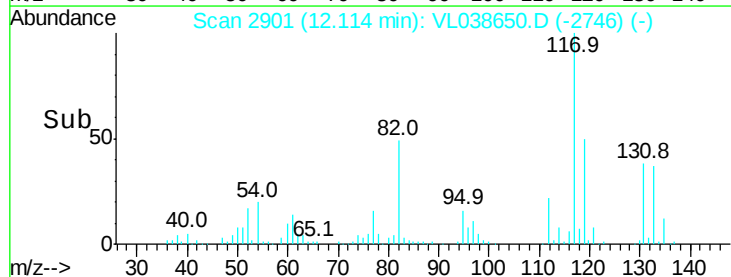
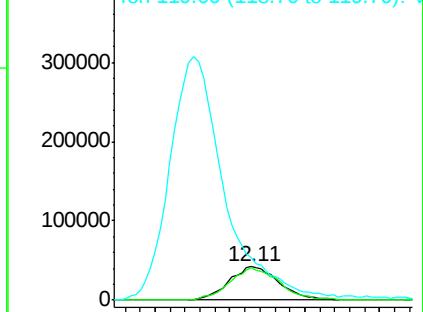
131 100

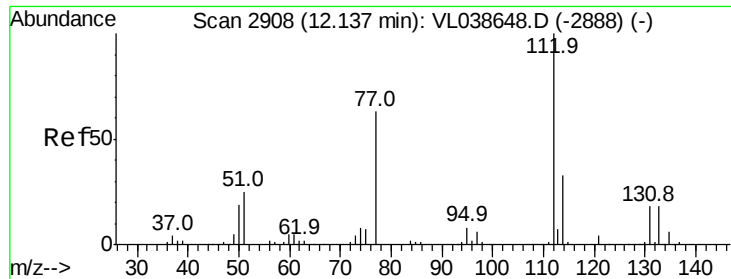
133 96.5 77.3 115.9

119 827.1 53.0 79.6#



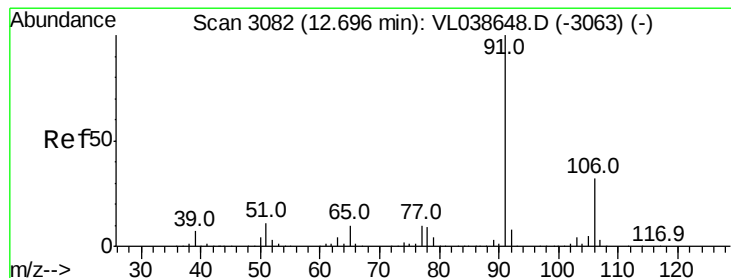
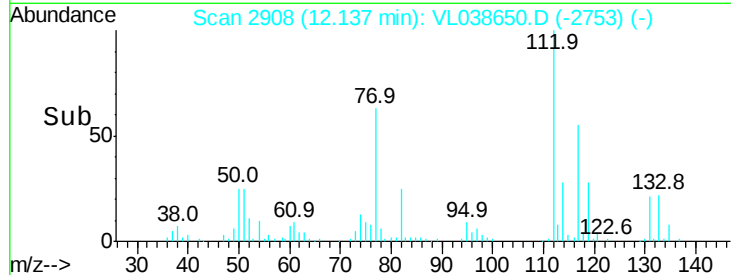
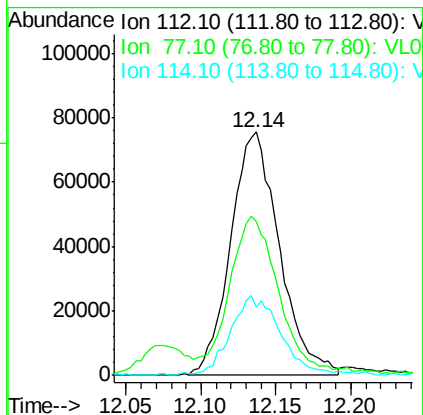
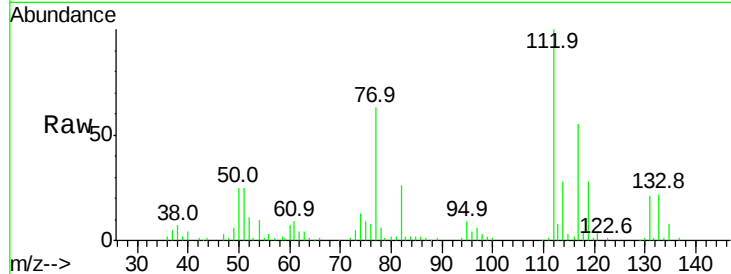
Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





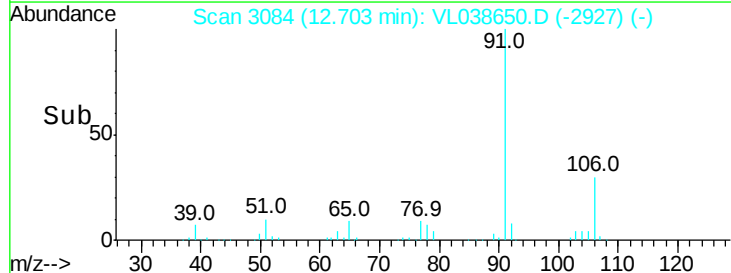
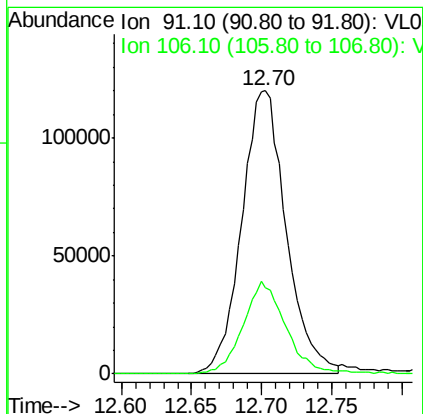
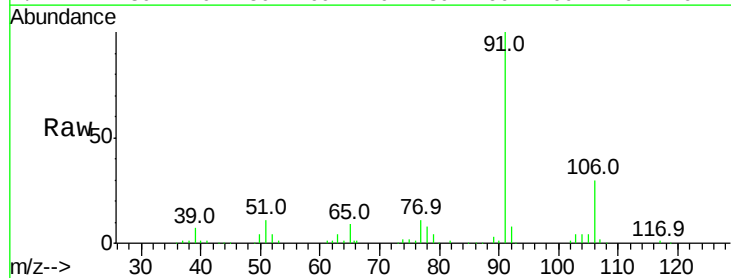
#57
Chlorobenzene
Concen: 0.98 ppbv
RT: 12.14 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId : VSTDIC001
Acq: 21 Mar 2022 13:54

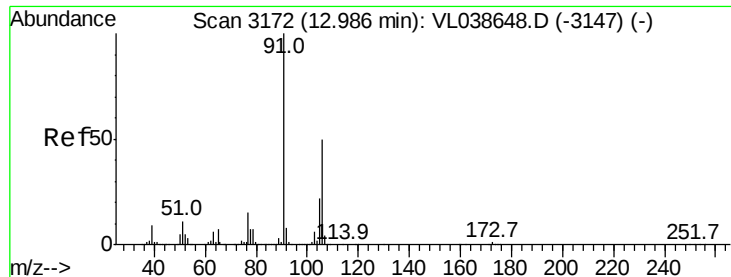
Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.6	51.0	76.6
114	27.5	29.8	36.4



#58
Ethyl Benzene
Concen: 0.89 ppbv
RT: 12.70 min Scan# 3084
Delta R.T.: 0.01 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

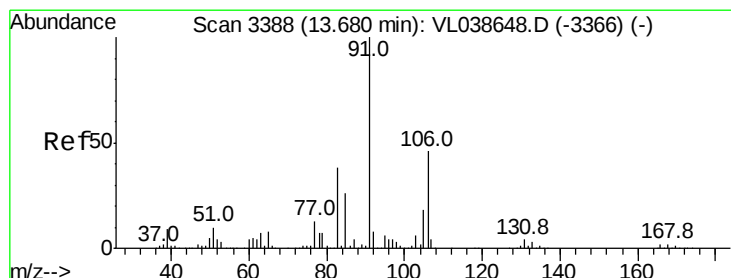
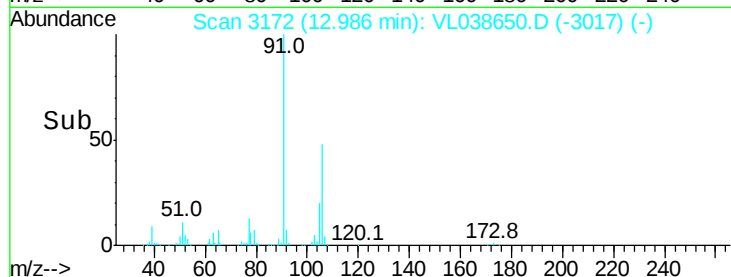
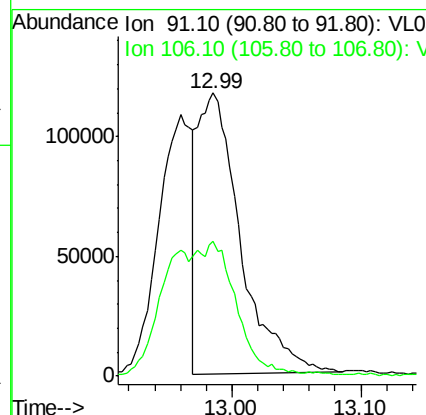
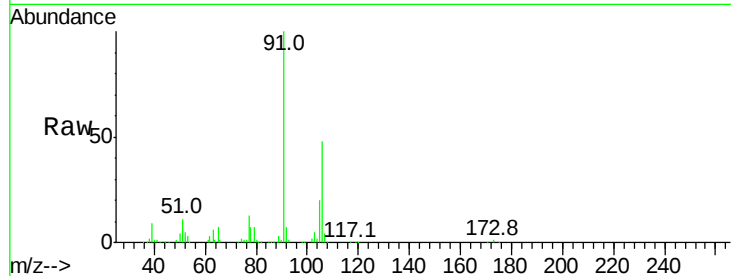
Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.4	38.0





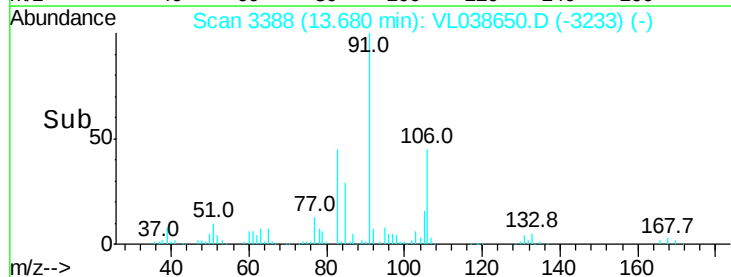
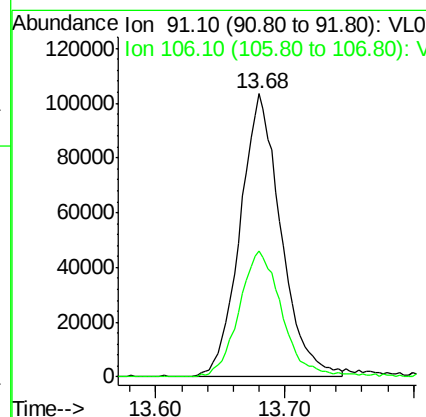
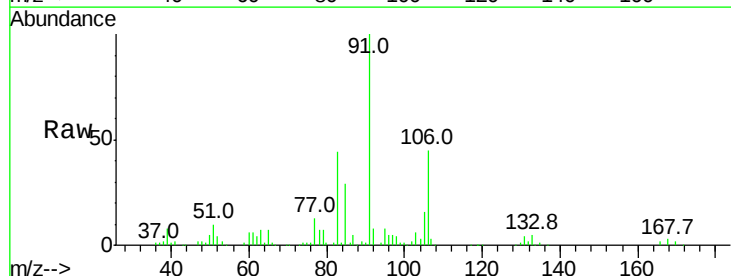
#59
m/p-Xylene
Concen: 1.06 ppbv
RT: 12.99 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC001
Acq: 21 Mar 2022 13:54

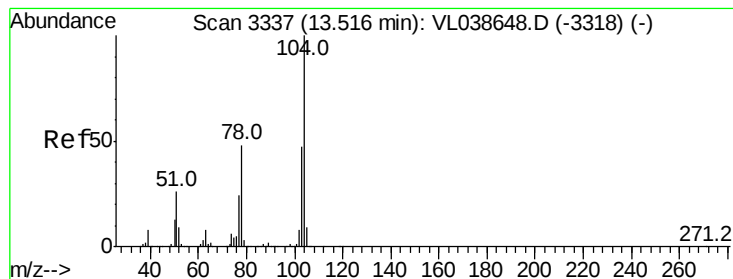
Tgt Ion: 91 Resp: 267813
Ion Ratio Lower Upper
91 100
106 81.1 37.2 55.8#



#60
o-Xylene
Concen: 0.95 ppbv
RT: 13.68 min Scan# 3388
Delta R.T.: -0.00 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

Tgt Ion: 91 Resp: 227072
Ion Ratio Lower Upper
91 100
106 47.4 23.5 70.5





#61

Styrene

Concen: 0.91 ppbv

RT: 13.52

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 13:54

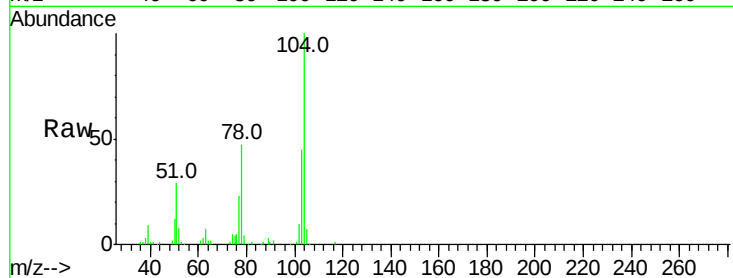
Tgt Ion:104 Resp: 107111

Ion Ratio Lower Upper

104 100

78 50.4 39.0 58.4

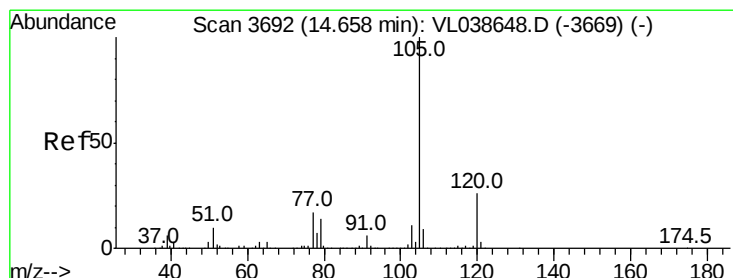
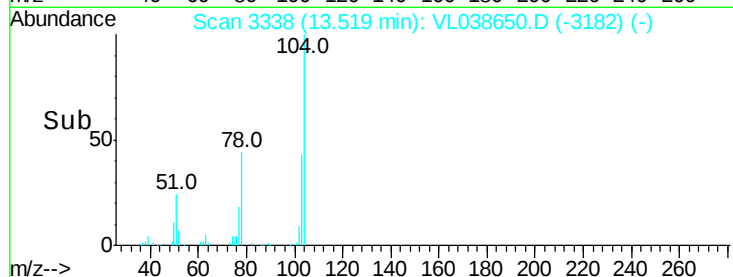
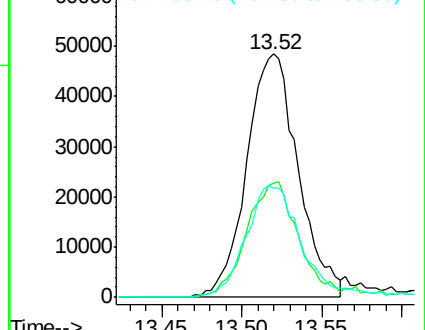
103 50.6 37.8 56.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 1.04 ppbv

RT: 14.65 min Scan# 3691

Delta R.T. -0.00 min

Lab File: VL038650.D

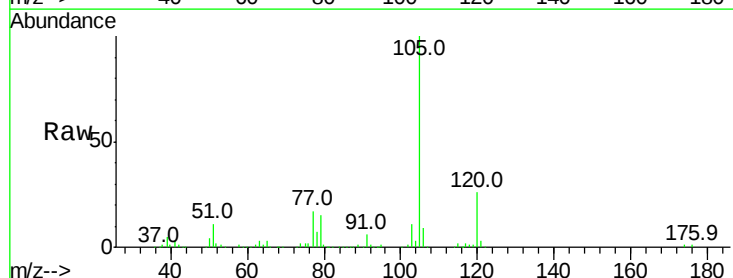
Acq: 21 Mar 2022 13:54

Tgt Ion:105 Resp: 345293

Ion Ratio Lower Upper

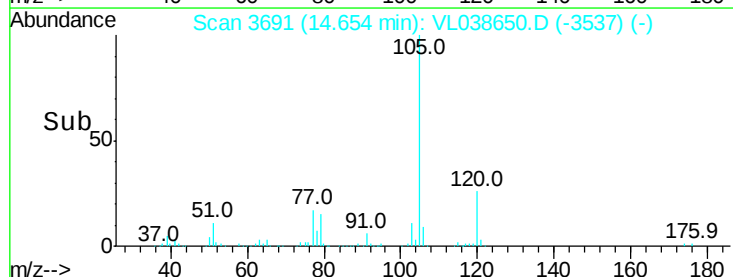
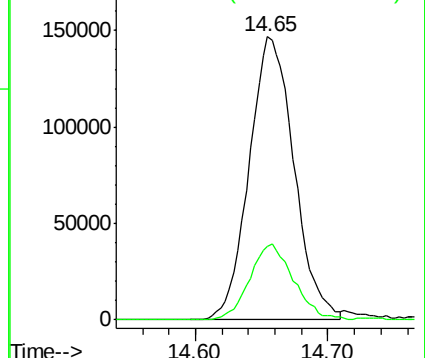
105 100

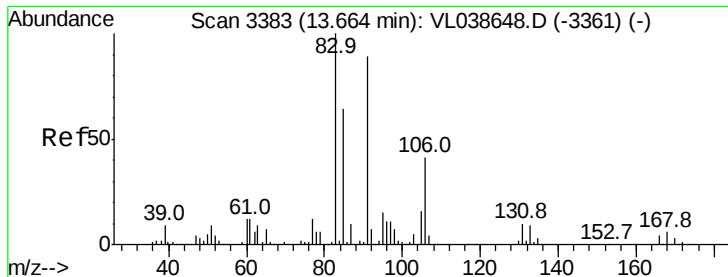
120 26.4 21.2 31.8



Abundance Ion 105.10 (104.80 to 105.80): V

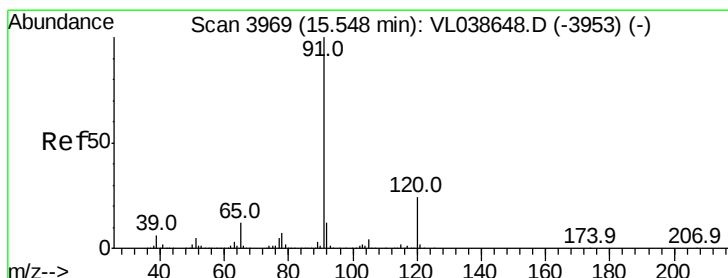
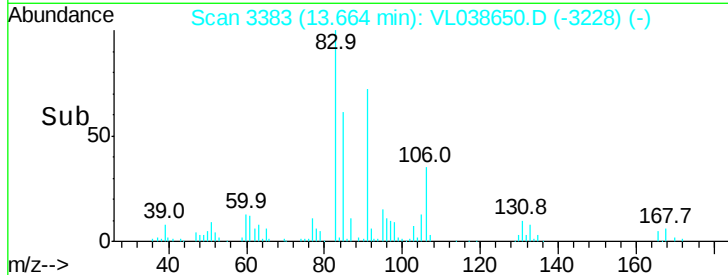
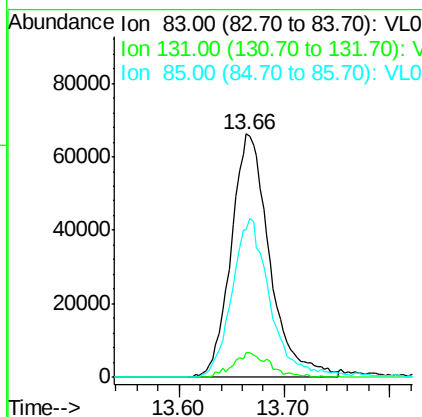
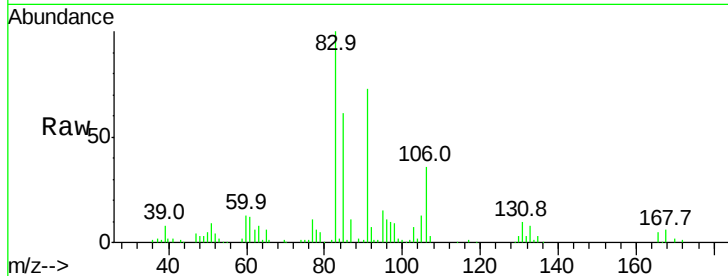
Ion 120.20 (119.90 to 120.90): V





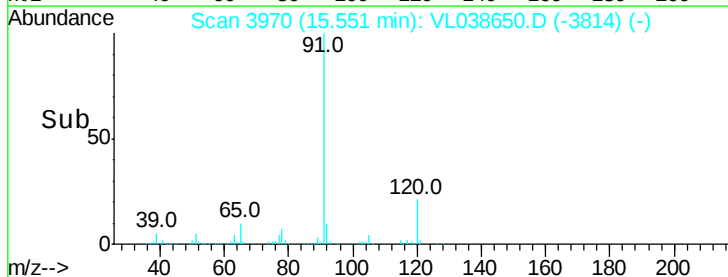
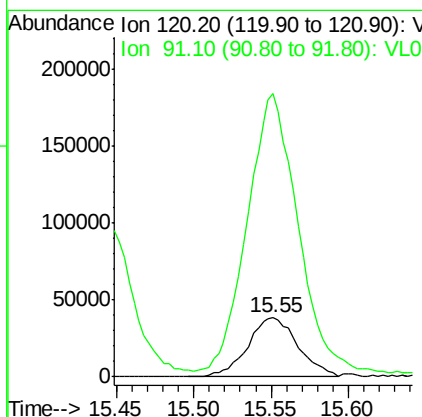
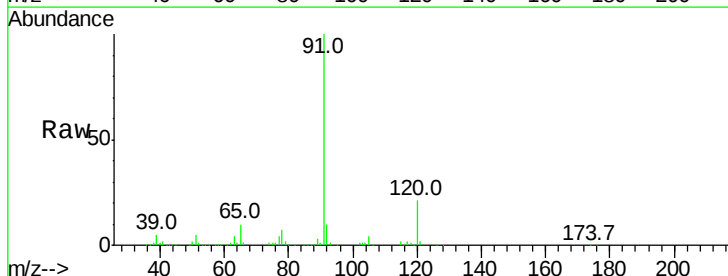
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.83 ppbv
 RT: 13.66 min
 Delta R.T. 0.00 min
 Lab File: VL038648.D
 Acq: 21 Mar 2022 13:54

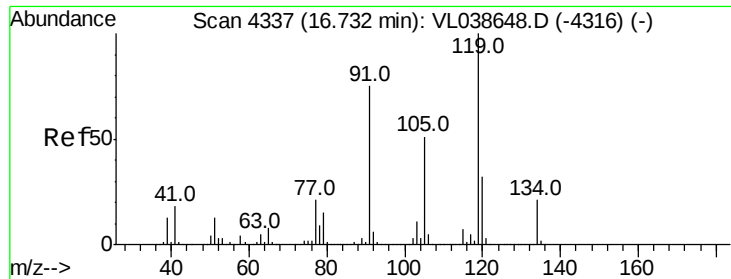
Tgt Ion: 83 Resp: 167938
 Ion Ratio Lower Upper
 83 100
 131 10.0 4.8 14.3
 85 66.1 32.6 97.8



#64
 n-propylbenzene
 Concen: 1.03 ppbv
 RT: 15.55 min Scan# 3970
 Delta R.T. 0.00 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

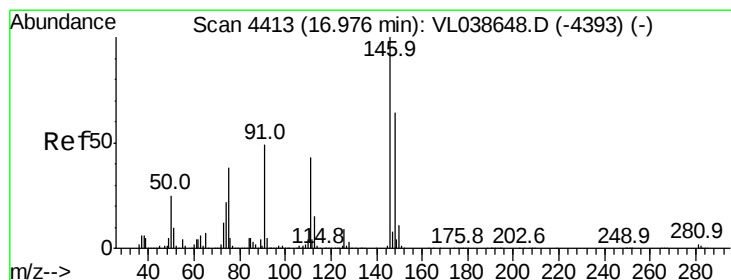
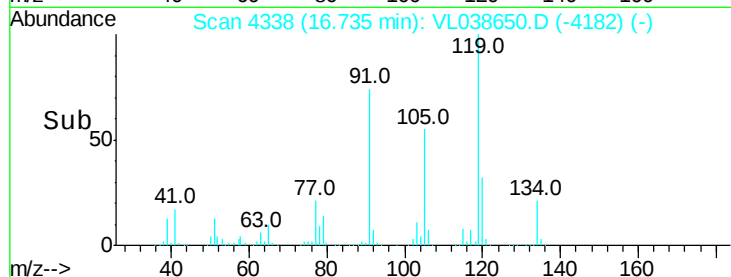
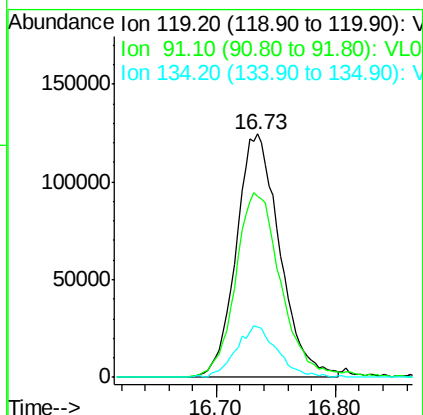
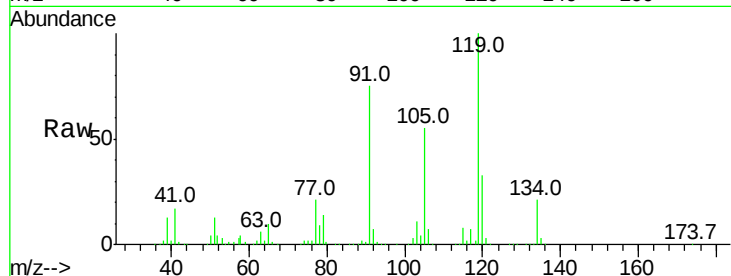
Tgt Ion: 120 Resp: 86539
 Ion Ratio Lower Upper
 120 100
 91 506.5 368.0 552.0





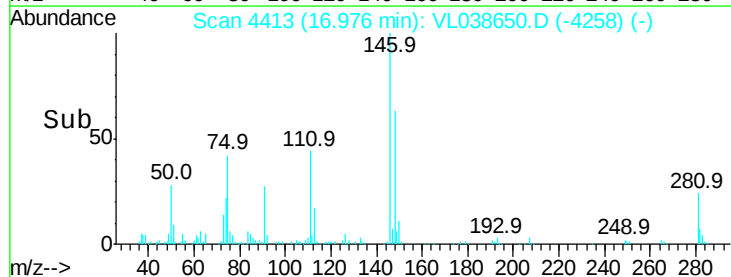
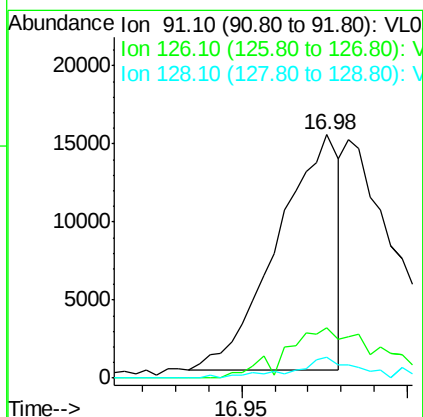
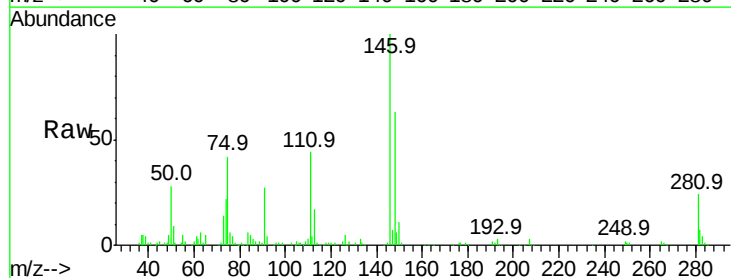
#65
 tert-Butylbenzene
 Concen: 1.06 ppbv
 RT: 16.73 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 21 Mar 2022 13:54

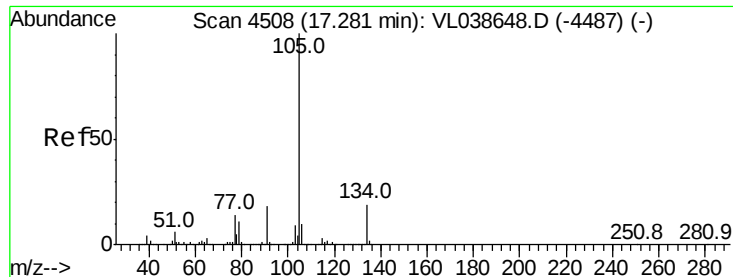
Tgt Ion:	119	Resp:	314587
Ion	Ratio	Lower	Upper
119	100		
91	80.1	61.2	91.8
134	20.2	16.3	24.5



#66
 Benzyl Chloride
 Concen: 1.11 ppbv
 RT: 16.98 min Scan# 4413
 Delta R.T.: -0.00 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

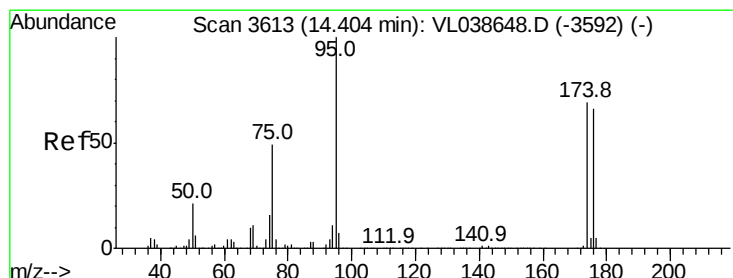
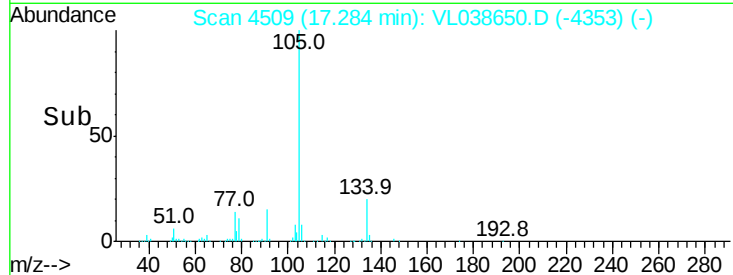
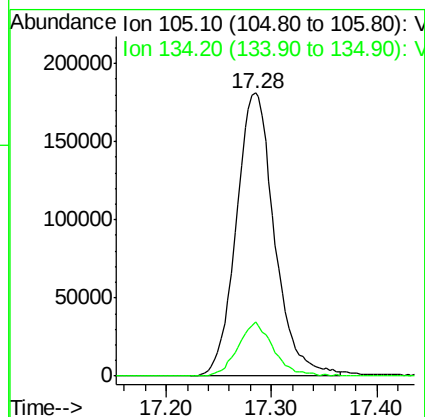
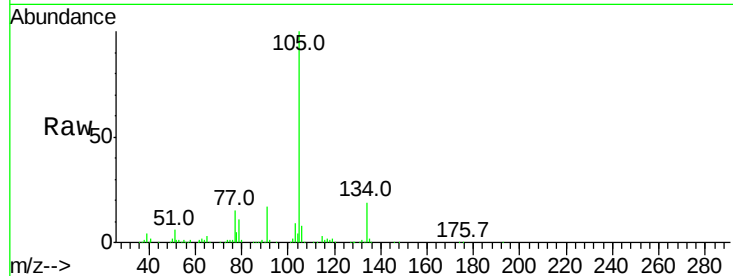
Tgt Ion:	91	Resp:	19505
Ion	Ratio	Lower	Upper
91	100		
126	34.5	14.3	21.5#
128	8.8	4.6	6.8#





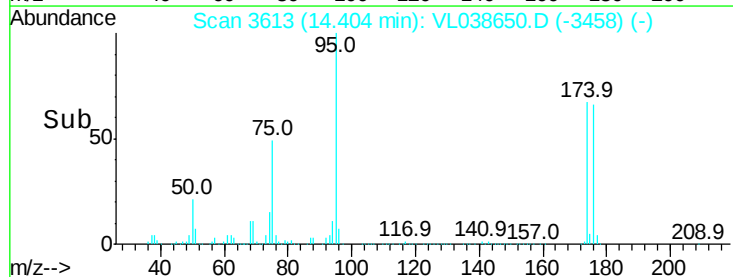
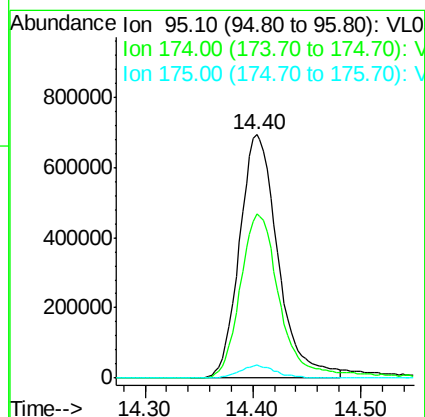
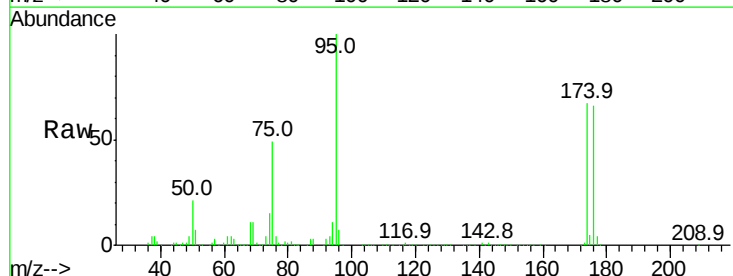
#67
 sec-Butylbenzene
 Concen: 1.08 ppbv
 RT: 17.28 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 21 Mar 2022 13:54

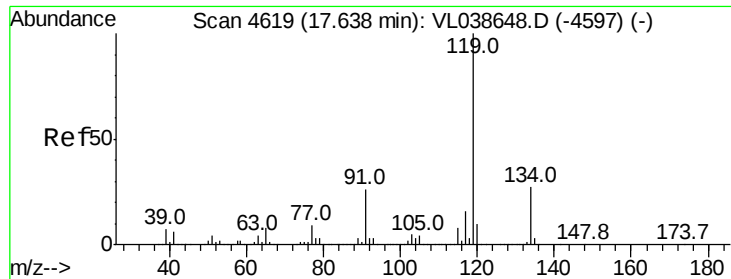
Tgt Ion: 105 Resp: 452957
 Ion Ratio Lower Upper
 105 100
 134 17.8 15.1 22.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.90 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T.: -0.00 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

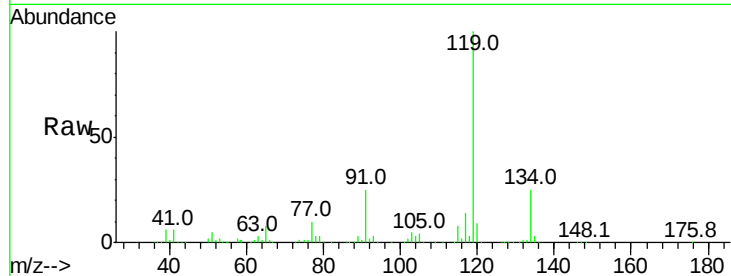
Tgt Ion: 95 Resp: 1722074
 Ion Ratio Lower Upper
 95 100
 174 71.4 56.1 84.1
 175 5.3 4.2 6.2



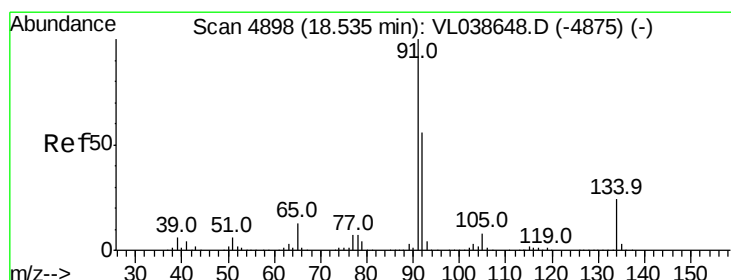
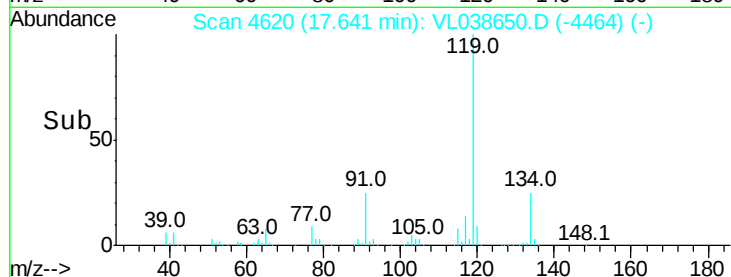
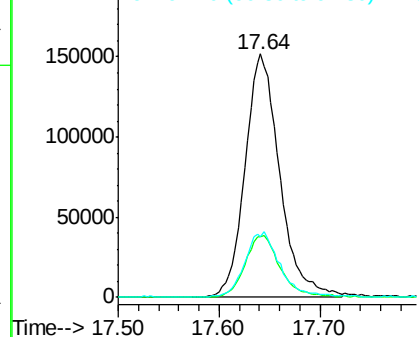


#69
 p-Isopropyltoluene
 Concen: 1.04 ppbv
 RT: 17.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC001
 Acq: 21 Mar 2022 13:54

Tgt Ion:	119	Resp:	360911
Ion	Ratio	Lower	Upper
119	100		
134	25.7	21.2	31.8
91	27.1	21.4	32.2

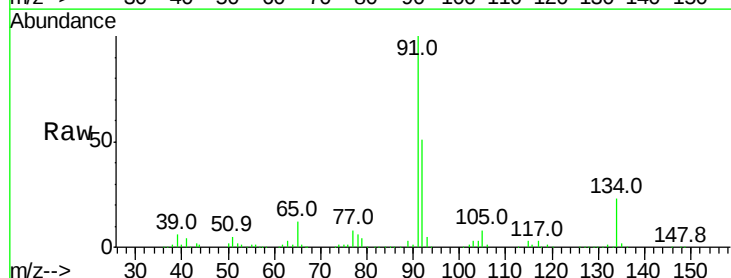


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

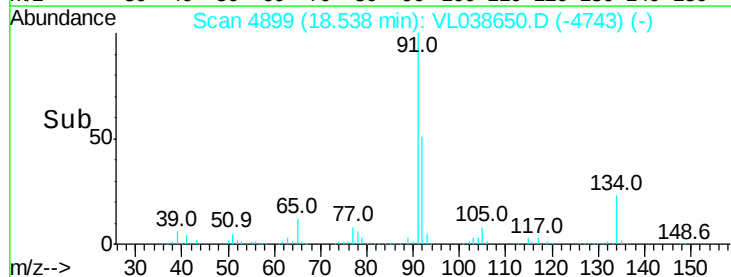
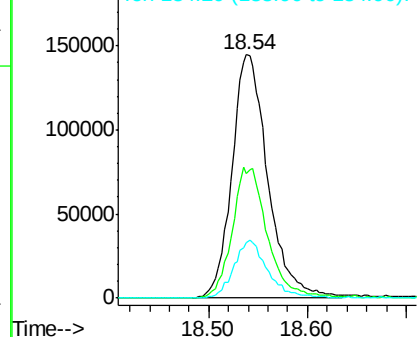


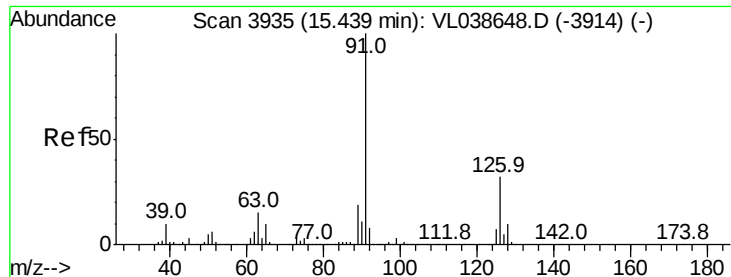
#70
 n-Butylbenzene
 Concen: 0.98 ppbv
 RT: 18.54 min Scan# 4899
 Delta R.T.: 0.00 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

Tgt Ion:	91	Resp:	362881
Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.9	65.9
134	22.6	18.7	28.1



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





#71

2-Chlorotoluene

Concen: 1.02 ppbv

RT: 15.44

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

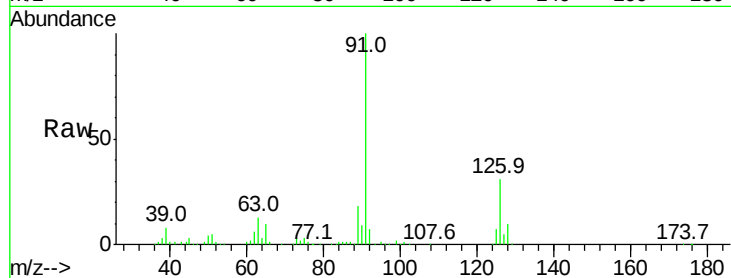
Acq: 21 Mar 2022 13:54

Tgt Ion: 91 Resp: 250800

Ion Ratio Lower Upper

91 100

126 31.8 13.1 52.3

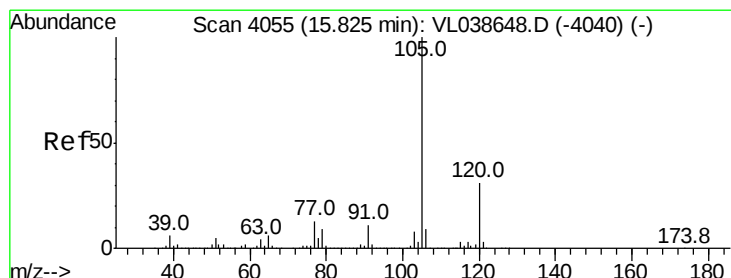
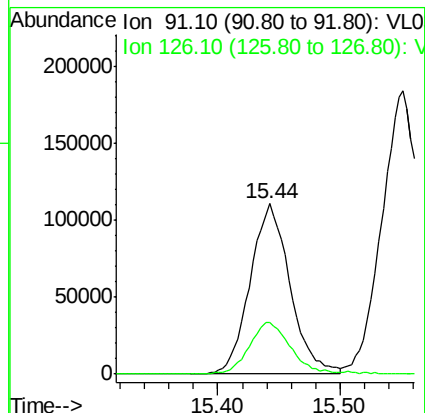
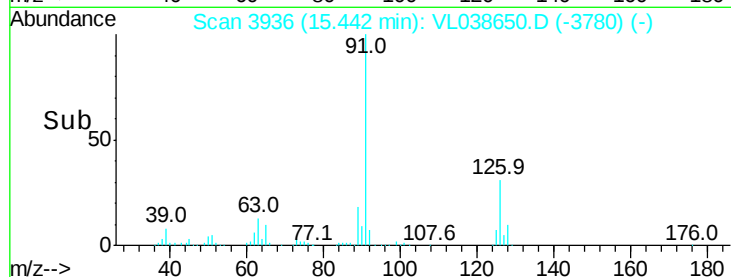


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

15.44

Time-->



#72

4-Ethyltoluene

Concen: 0.94 ppbv

RT: 15.83 min Scan# 4056

Delta R.T. 0.00 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

Tgt Ion: 105 Resp: 258227

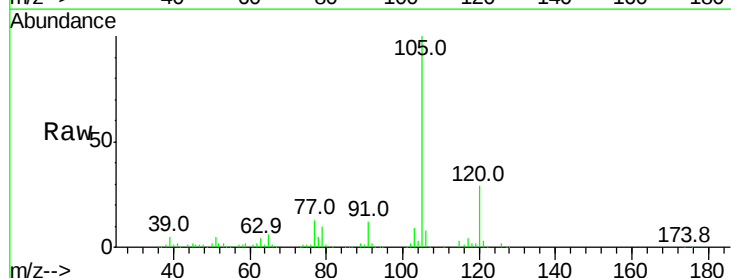
Ion Ratio Lower Upper

105 100

120 31.5 24.9 37.3

91 14.0 9.8 14.6

77 13.6 10.6 16.0



Abundance Ion 105.10 (104.80 to 105.80): V

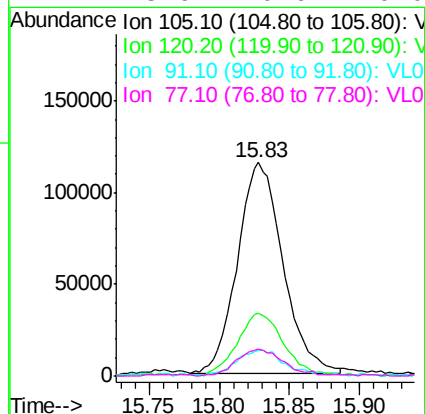
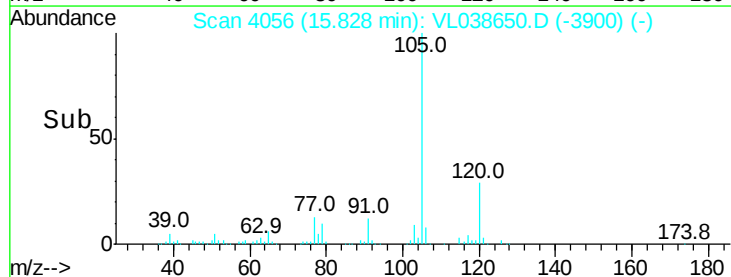
Ion 120.20 (119.90 to 120.90): V

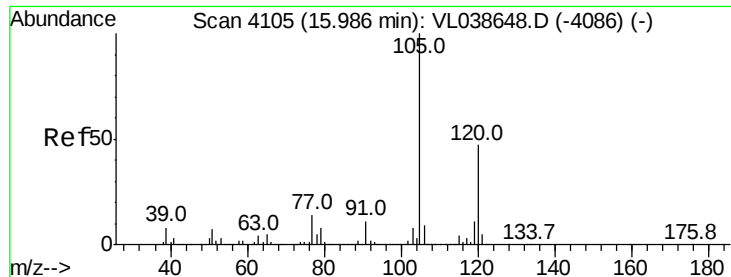
Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

15.83

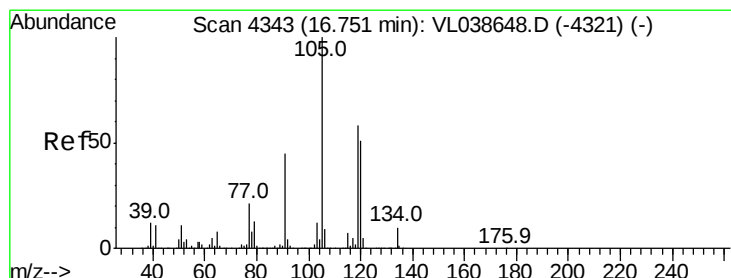
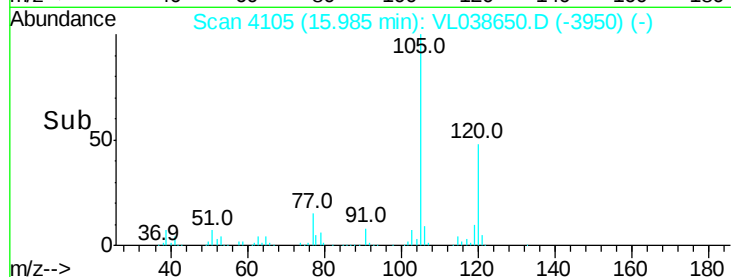
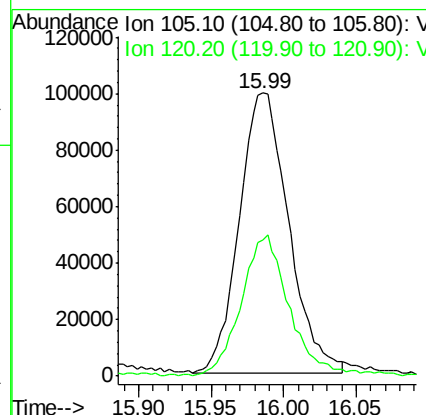
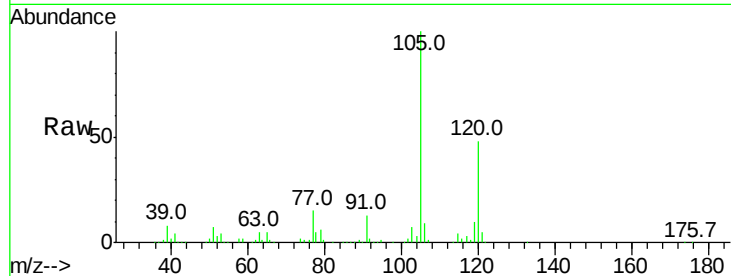
Time-->





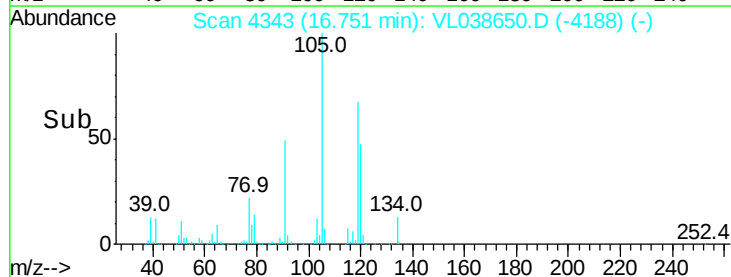
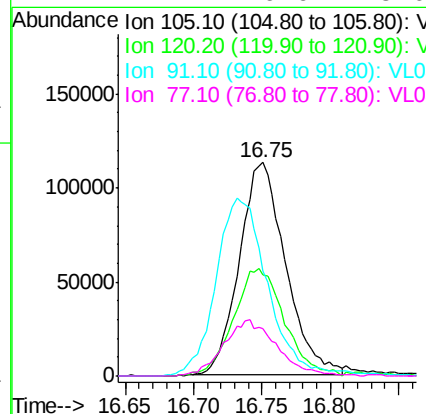
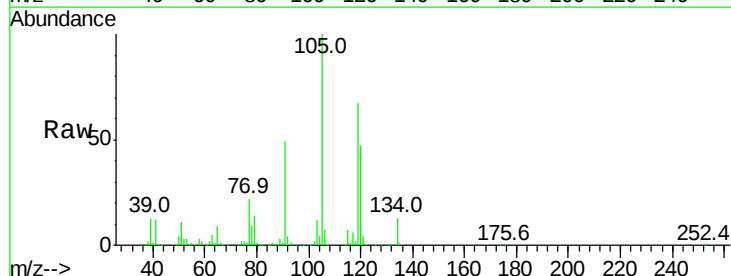
#73
 1,3,5-Trimethylbenzene
 Concen: 0.92 ppbv
 RT: 15.99
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 21 Mar 2022 13:54

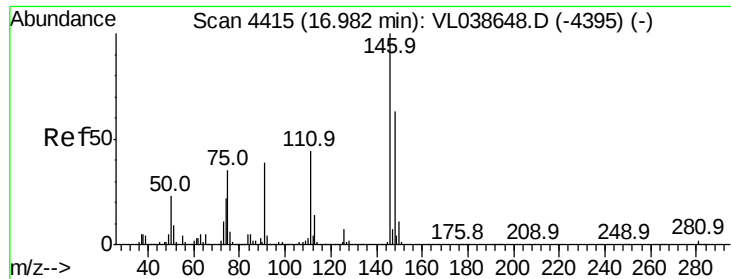
Tgt Ion:105 Resp: 234126
 Ion Ratio Lower Upper
 105 100
 120 49.0 37.6 56.4



#74
 1,2,4-Trimethylbenzene
 Concen: 0.98 ppbv
 RT: 16.75 min Scan# 4343
 Delta R.T. -0.00 min
 Lab File: VL038650.D
 Acq: 21 Mar 2022 13:54

Tgt Ion:105 Resp: 268193
 Ion Ratio Lower Upper
 105 100
 120 47.2 40.5 60.7
 91 47.0 35.9 53.9
 77 21.4 16.6 25.0





#75

1,3-Dichlorobenzene

Concen: 0.96 ppbv

RT: 16.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 13:54

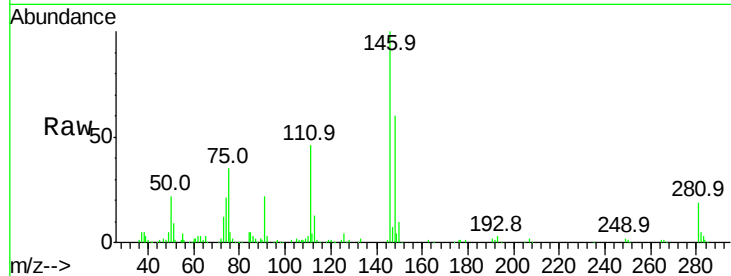
Tgt Ion:146 Resp: 165065

Ion Ratio Lower Upper

146 100

111 45.5 22.2 66.6

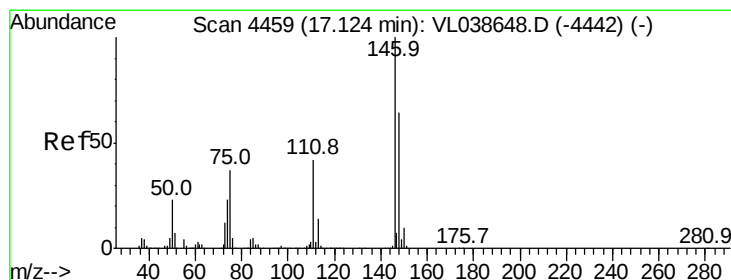
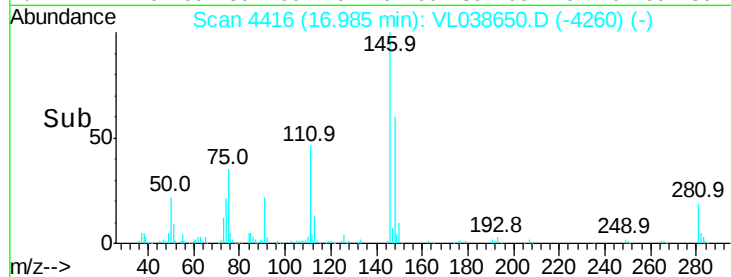
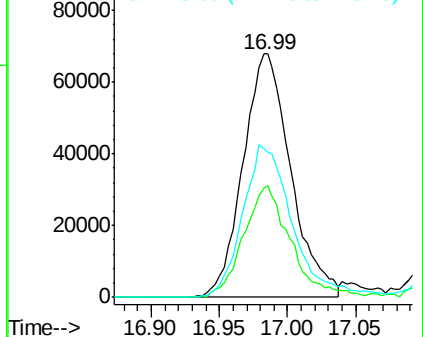
148 65.2 32.5 97.5



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: 0.88 ppbv

RT: 17.13 min Scan# 4460

Delta R.T. 0.00 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

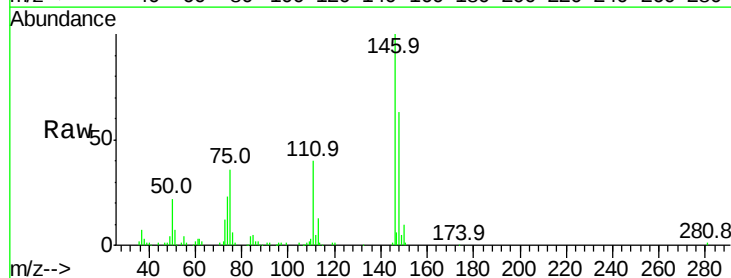
Tgt Ion:146 Resp: 149948

Ion Ratio Lower Upper

146 100

111 48.6 21.4 64.2

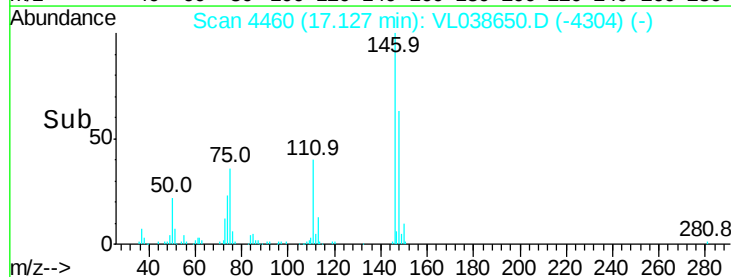
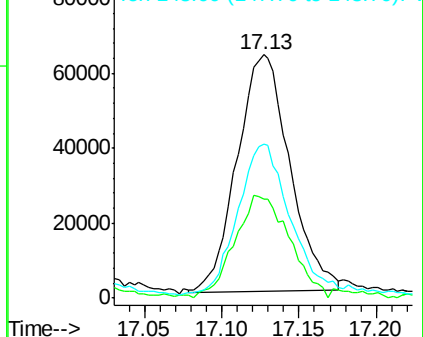
148 69.2 32.1 96.3

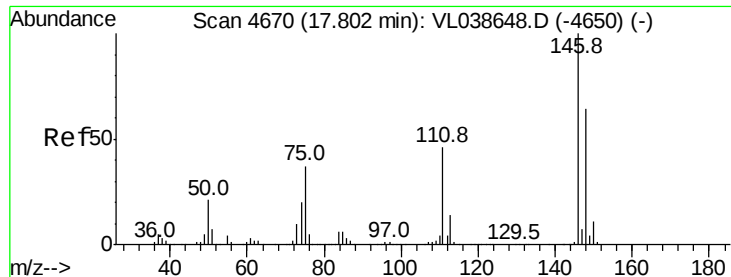


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.91 ppbv

RT: 17.81

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC001

Acq: 21 Mar 2022 13:54

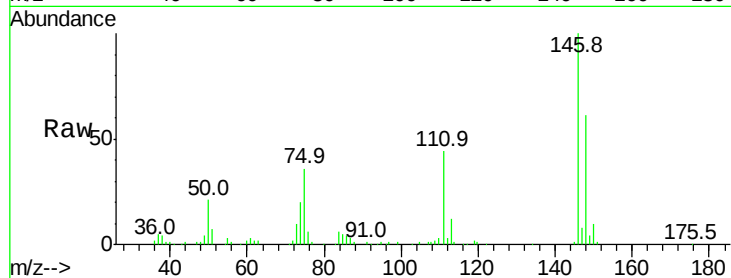
Tgt Ion:146 Resp: 158436

Ion Ratio Lower Upper

146 100

111 49.6 22.8 68.4

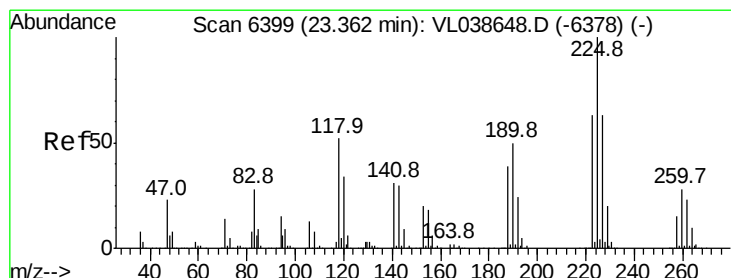
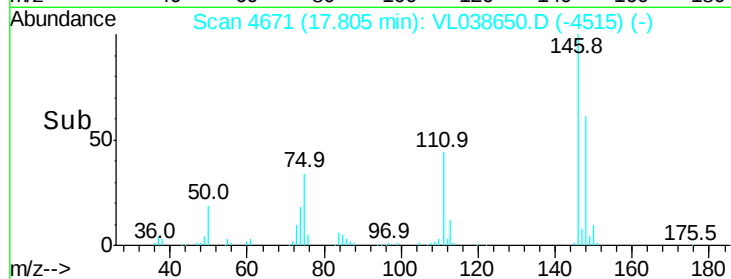
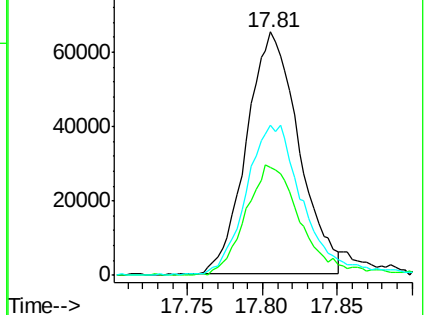
148 68.9 32.5 97.4



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



#78

Hexachloro-1,3-Butadiene

Concen: 0.99 ppbv

RT: 23.36 min Scan# 6399

Delta R.T. -0.00 min

Lab File: VL038650.D

Acq: 21 Mar 2022 13:54

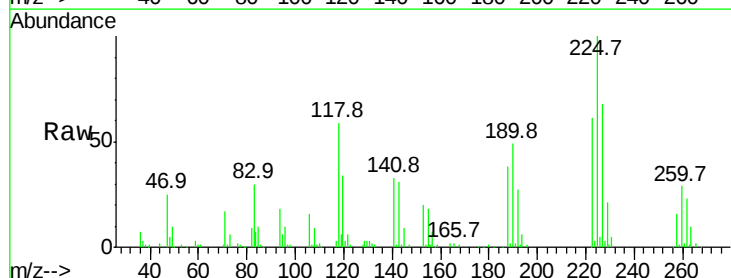
Tgt Ion:225 Resp: 167638

Ion Ratio Lower Upper

225 100

223 65.1 51.0 76.6

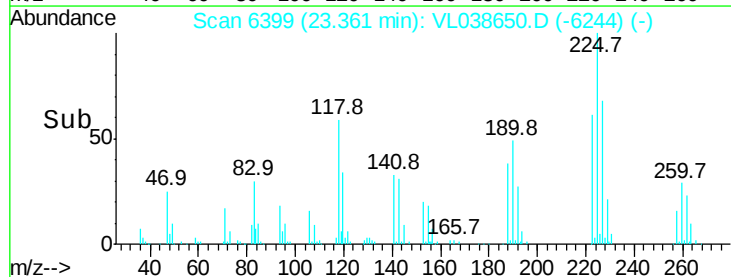
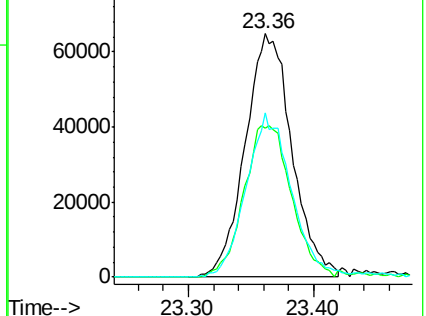
227 66.6 51.5 77.3

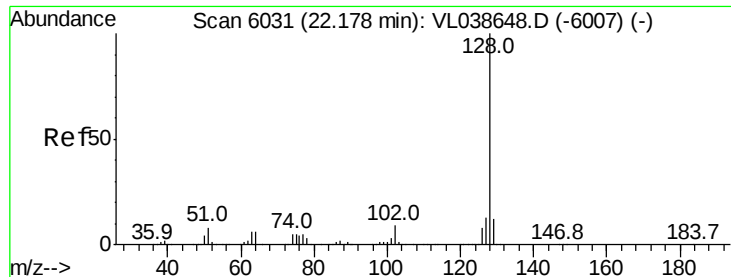


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

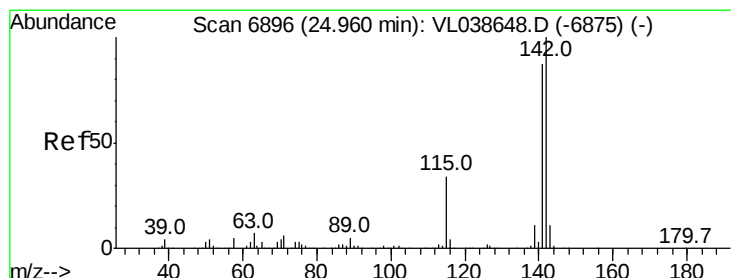
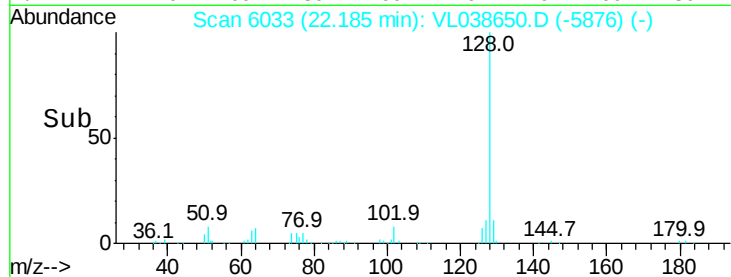
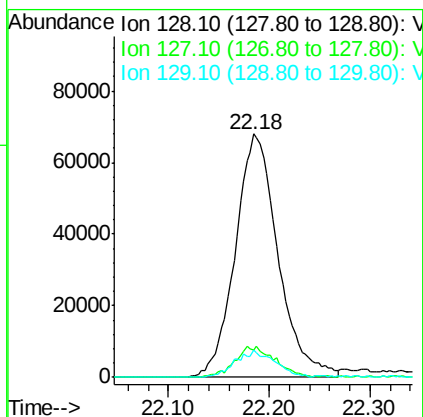
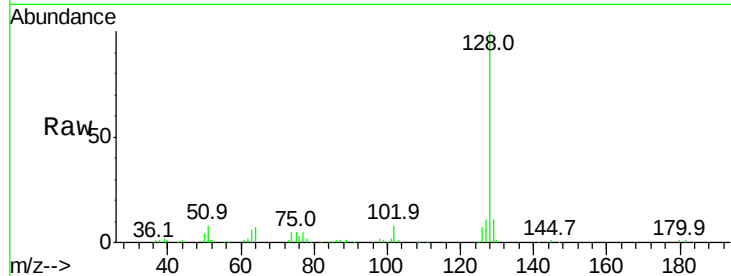
Ion 226.90 (226.60 to 227.60): V





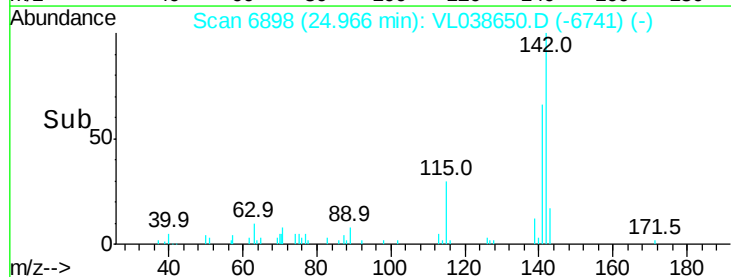
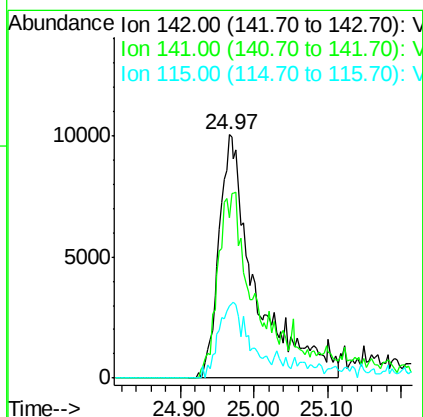
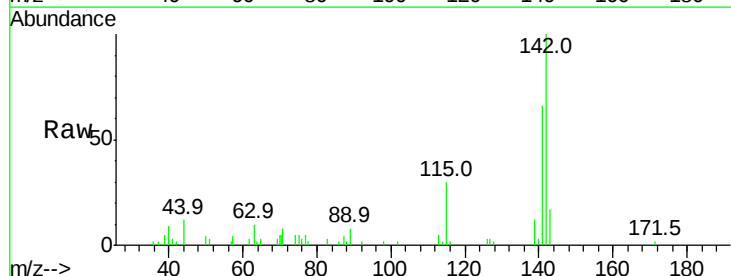
#79
Naphthalene
Concen: 0.81 ppbv
RT: 22.18 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 21 Mar 2022 13:54

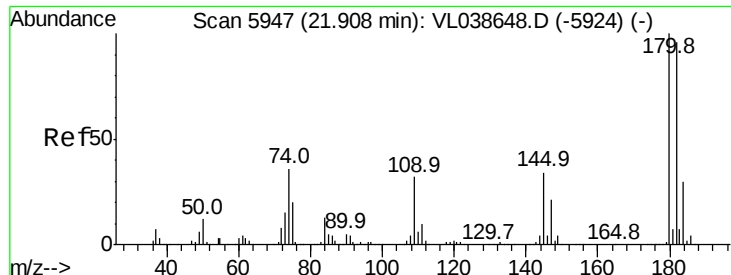
Tgt Ion:	128	Resp:	199677
Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.2	15.4
129	12.1	9.2	13.8



#80
Naphthalene, 2-methyl-
Concen: 0.80 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. 0.01 min
Lab File: VL038650.D
Acq: 21 Mar 2022 13:54

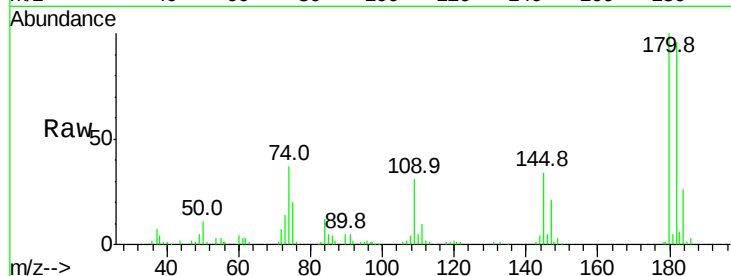
Tgt Ion:	142	Resp:	34684
Ion	Ratio	Lower	Upper
142	100		
141	78.7	66.4	99.6
115	28.9	27.8	41.6





#81
 1,2,4-Trichlorobenzene
 Concen: 0.79 ppbv
 RT: 21.92
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 21 Mar 2022 15:34

Tgt Ion:180 Resp: 124661
 Ion Ratio Lower Upper
 180 100
 182 101.5 79.2 118.8
 184 33.7 24.8 37.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

