

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031722\
 Data File : VL038627.D
 Acq On : 17 Mar 2022 15:33
 Operator : SY/AP
 Sample : N1976-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1A

Quant Time: Mar 18 03:31:55 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	872099	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	2160405	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	1929041	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	1341910	9.15	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	26721	0.20	ppbv	95
3) Chlorodifluoromethane	3.00	51	1274909	8.29	ppbv	98
4) Chloromethane	3.15	50	31363	0.55	ppbv	93
6) Bromomethane	3.47	94	625	0.02	ppbv #	44
9) Propene	3.21	41	339230	6.25	ppbv	96
10) Heptane	8.13	43	43943	0.34	ppbv	95
11) Trichlorofluoromethane	3.95	101	23860	0.21	ppbv	93
13) Ethanol	3.63	45	13117470	2104.50	ppbv	95
15) Acetone	3.85	43	461143	7.50	ppbv #	76
16) 1,3-Butadiene	3.32	39	24679	0.50	ppbv #	9
17) tert-Butyl alcohol	4.31	59	5900	0.09	ppbv #	73
19) Isopropyl Alcohol	3.99	45	638413	15.54	ppbv	99
20) Methylene Chloride	4.35	84	77307	2.09	ppbv	93
21) Allyl Chloride	4.37	41	6619	0.11	ppbv #	1
23) Vinyl Acetate	5.06	43	46774	0.53	ppbv #	1
25) Ethyl Acetate	5.69	43	337428	1.63	ppbv #	95
26) Hexane	5.69	57	232491	2.39	ppbv #	72
29) Chloroform	5.75	83	8290	0.05	ppbv	86
30) Cyclohexane	7.13	84	8951	0.11	ppbv #	1
31) cis-1,2-Dichloroethene	5.68	61	23036	0.25	ppbv #	25
34) 2-Butanone	5.25	43	56382	1.01	ppbv	93
35) Carbon Tetrachloride	7.02	117	5363	0.04	ppbv	93
36) Benzene	6.89	78	159071	0.82	ppbv	98
38) Trichloroethene	7.83	130	3819	0.05	ppbv #	77
39) 1,2-Dichloropropane	7.18	63	507561	6.77	ppbv #	27
40) 1,4-Dioxane	7.84	88	580	0.03	ppbv #	1
41) Tetrahydrofuran	6.07	42	1325	0.03	ppbv #	1
44) 2,2,4-Trimethylpentane	7.87	57	94665	0.29	ppbv #	76
50) 4-Methyl-2-Pentanone	8.75	43	19139	0.17	ppbv #	80
52) Tetrachloroethene	11.23	164	1913	0.03	ppbv #	74
53) Toluene	9.81	91	922332	4.43	ppbv	100
58) Ethyl Benzene	12.72	91	59234	0.24	ppbv	98
59) m/p-Xylene	12.97	91	186281	0.87	ppbv	96
60) o-Xylene	13.70	91	26108	0.13	ppbv #	5
61) Styrene	13.54	104	6844	0.07	ppbv #	22
64) n-propylbenzene	15.76	120	4152	0.06	ppbv	82
69) p-Isopropyltoluene	17.65	119	24287	0.08	ppbv #	86
72) 4-Ethyltoluene	15.84	105	8036	0.03	ppbv #	38
73) 1,3,5-Trimethylbenzene	16.00	105	7105	0.03	ppbv #	83
74) 1,2,4-Trimethylbenzene	16.76	105	30267	0.13	ppbv #	70

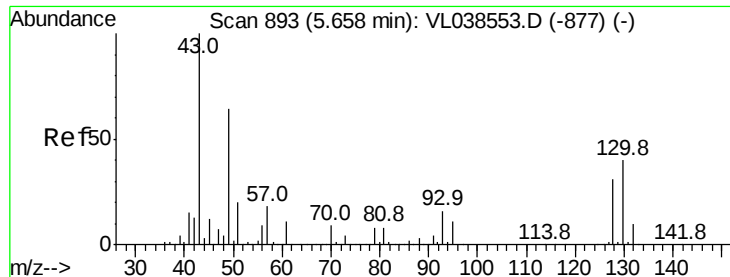
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031722\
Data File : VL038627.D
Acq On : 17 Mar 2022 15:33
Operator : SY/AP
Sample : N1976-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-1A

Quant Time: Mar 18 03:31:55 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
QLast Update : Tue Mar 08 21:18:44 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 15:33

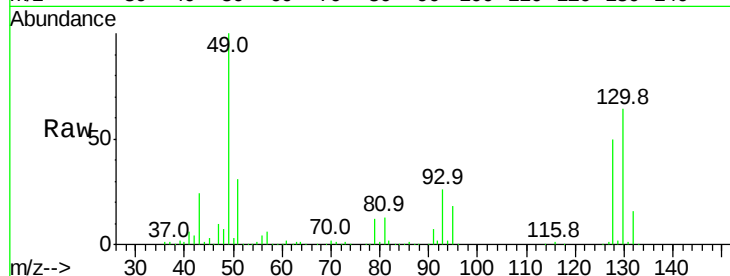
Tgt Ion: 49 Resp: 872099

Ion Ratio Lower Upper

49 100

128 51.5 26.4 79.2

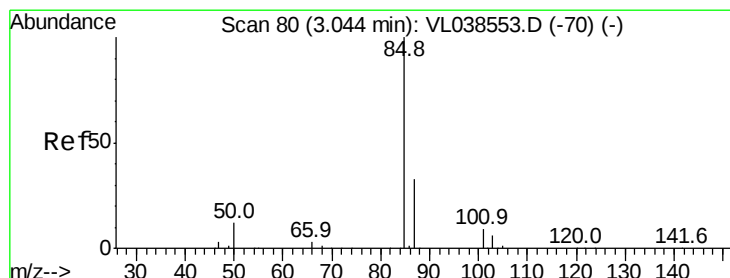
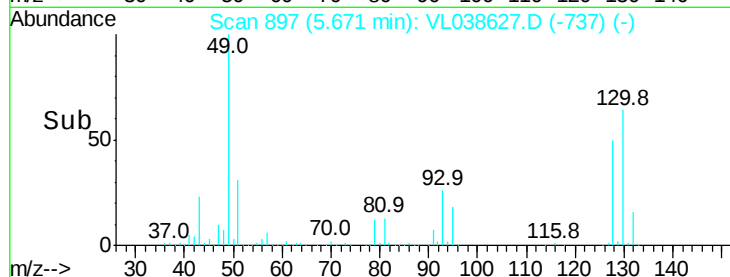
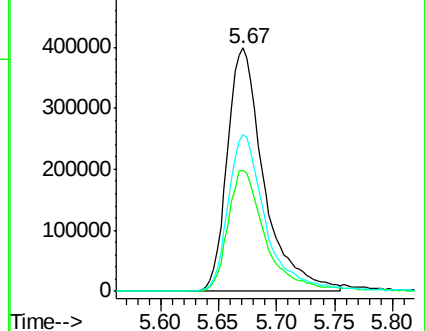
130 65.8 33.0 98.9



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: 0.20 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL038627.D

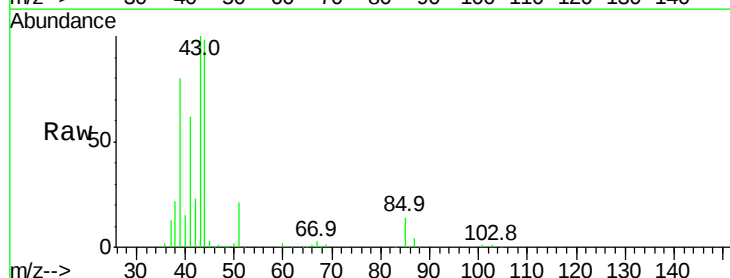
Acq: 17 Mar 2022 15:33

Tgt Ion: 85 Resp: 26721

Ion Ratio Lower Upper

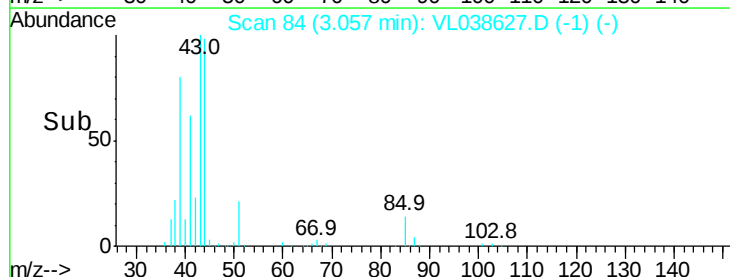
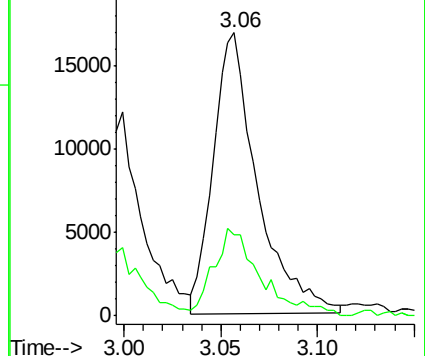
85 100

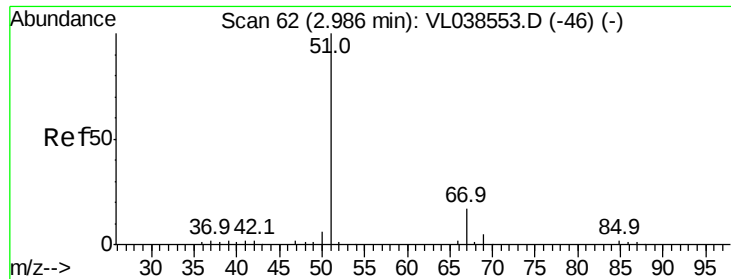
87 29.9 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

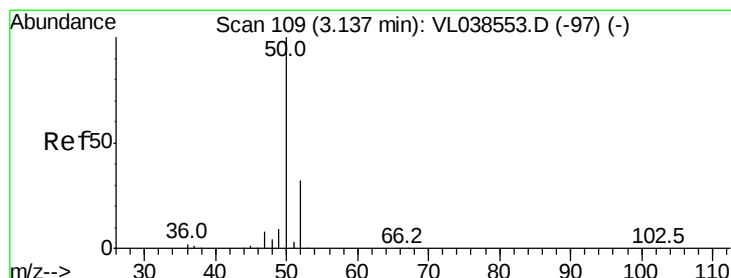
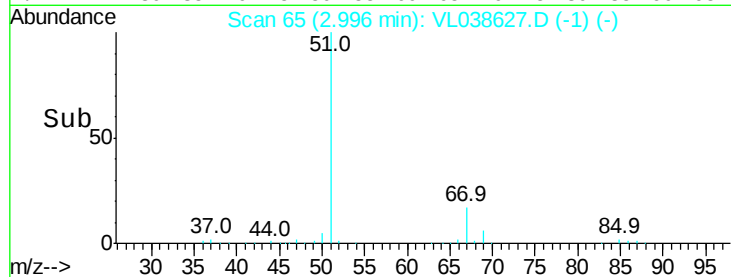
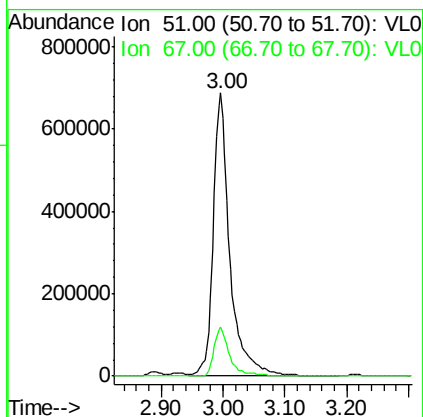
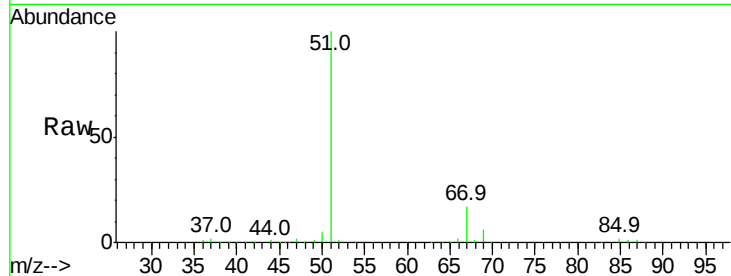
Ion 87.00 (86.70 to 87.70): VL0





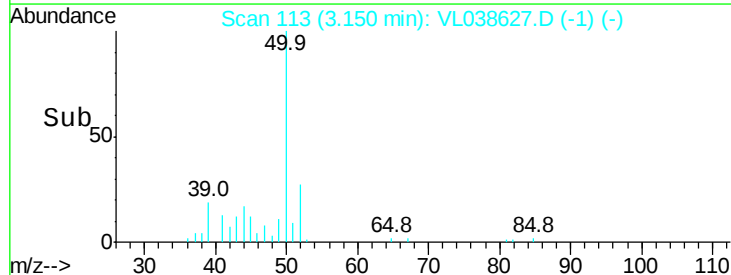
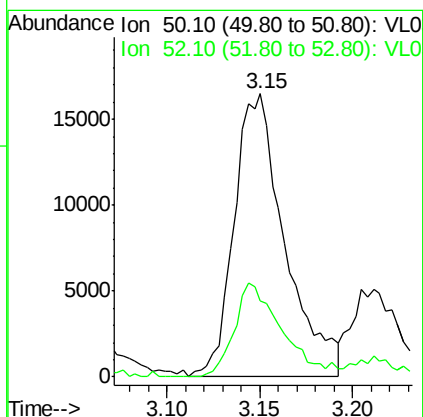
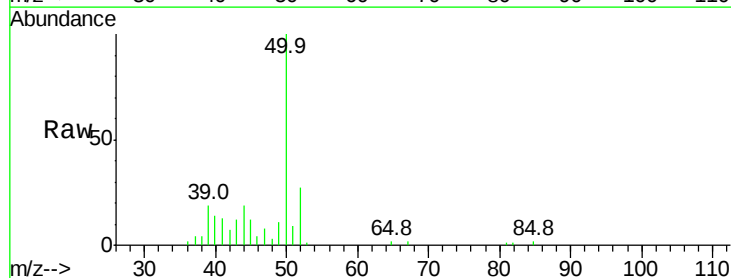
#3
 Chlorodifluoromethane
 Concen: 8.29 ppbv
 RT: 3.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 Mar 2022 15:33

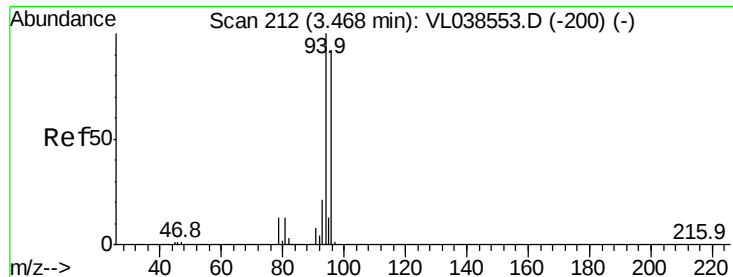
Tgt Ion: 51 Resp: 1274909
 Ion Ratio Lower Upper
 51 100
 67 16.2 13.6 20.4



#4
 Chloromethane
 Concen: 0.55 ppbv
 RT: 3.15 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VL038627.D
 Acq: 17 Mar 2022 15:33

Tgt Ion: 50 Resp: 31363
 Ion Ratio Lower Upper
 50 100
 52 28.2 25.6 38.4





#6

Bromomethane

Concen: 0.02 ppbv

RT: 3.47 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

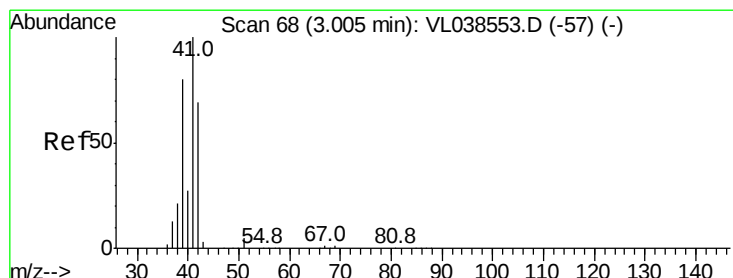
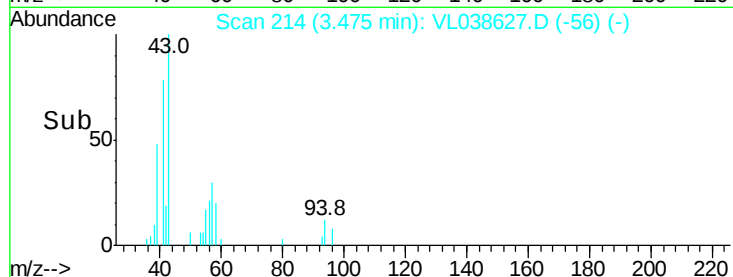
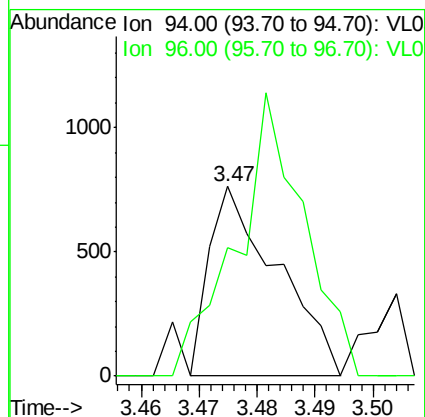
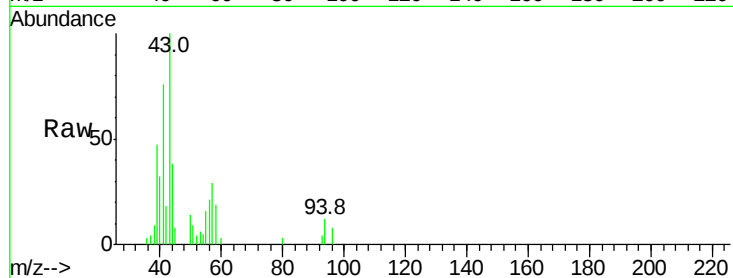
Acq: 17 Mar 2022 15:33

Tgt Ion: 94 Resp: 625

Ion Ratio Lower Upper

94 100

96 39.0 73.7 110.5#



#9

Propene

Concen: 6.25 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.21 min

Lab File: VL038627.D

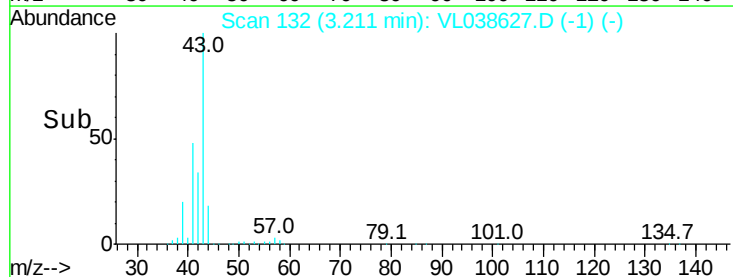
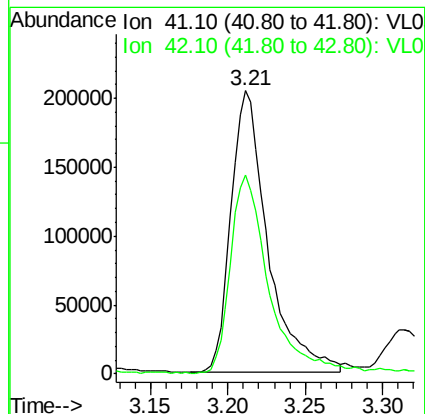
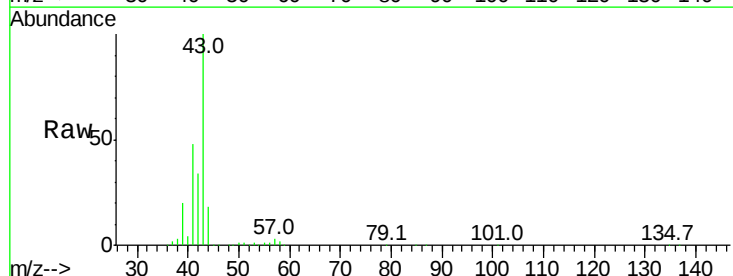
Acq: 17 Mar 2022 15:33

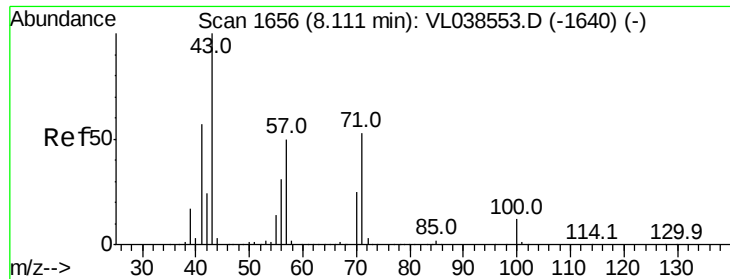
Tgt Ion: 41 Resp: 339230

Ion Ratio Lower Upper

41 100

42 73.3 55.7 83.5





#10

Heptane

Concen: 0.34 ppbv

RT: 8.13 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

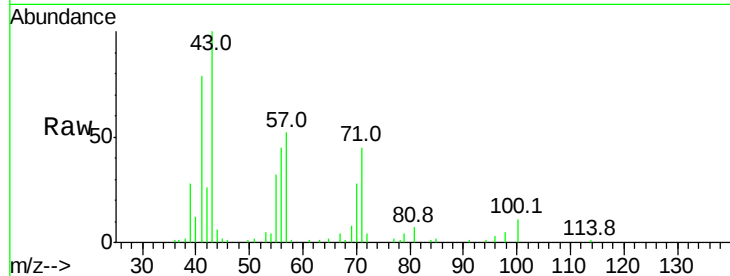
Acq: 17 Mar 2022 15:33

Tgt Ion: 43 Resp: 43943

Ion Ratio Lower Upper

43 100

57 52.7 39.6 59.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.13

20000

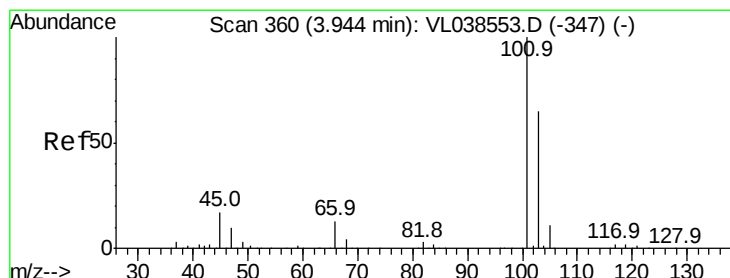
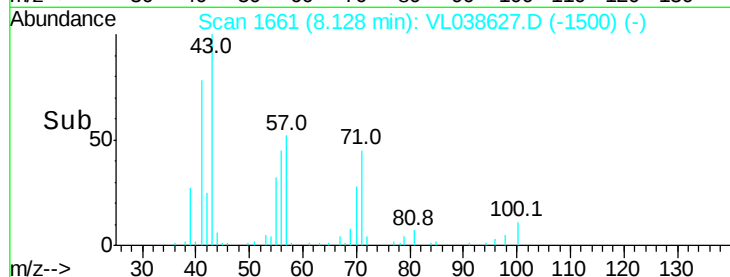
15000

10000

5000

0

Time--> 8.05 8.10 8.15 8.20



#11

Trichlorofluoromethane

Concen: 0.21 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

Lab File: VL038627.D

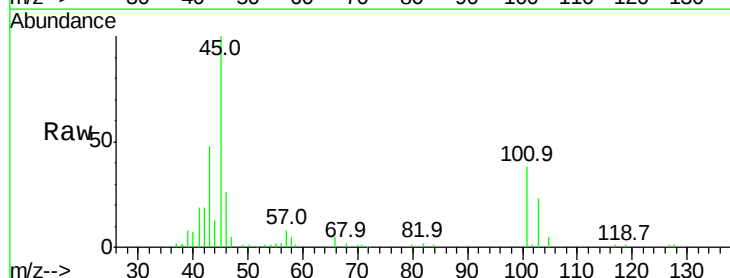
Acq: 17 Mar 2022 15:33

Tgt Ion: 101 Resp: 23860

Ion Ratio Lower Upper

101 100

103 59.5 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.95

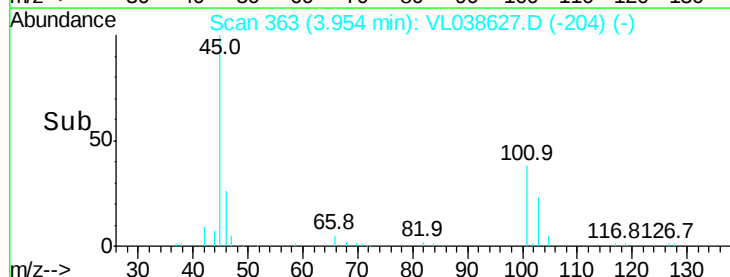
15000

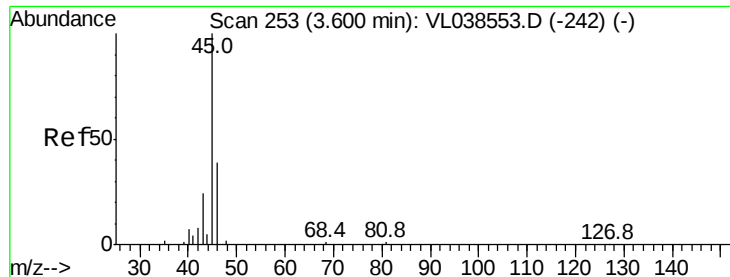
10000

5000

0

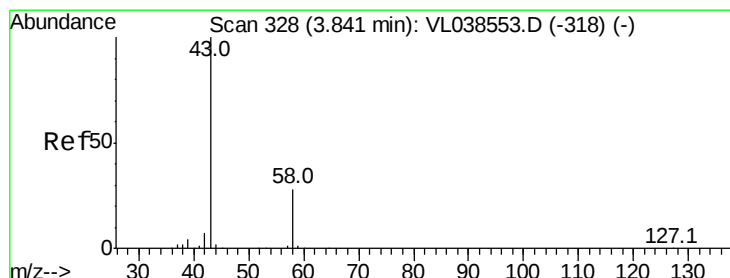
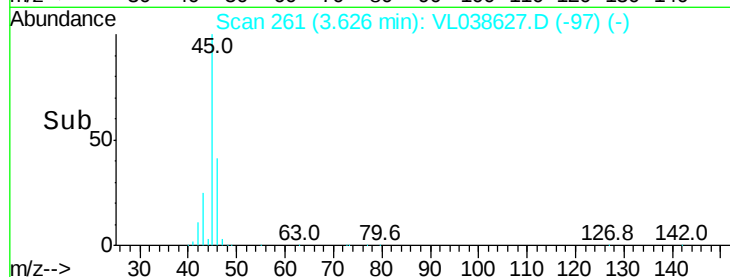
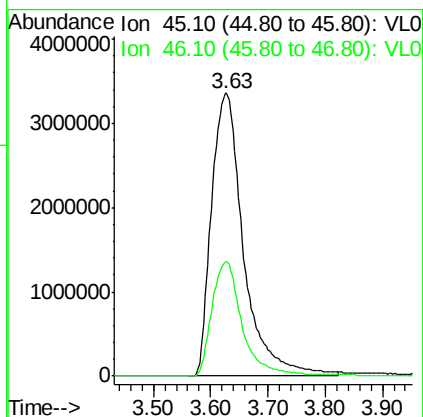
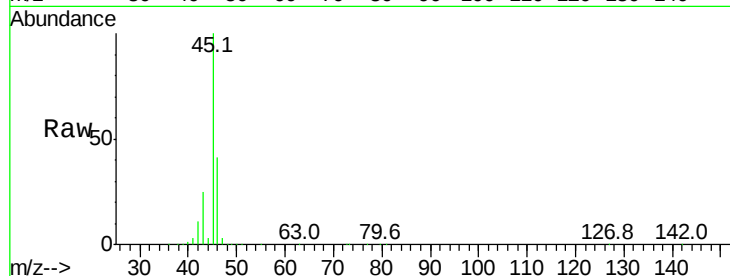
Time--> 3.90 3.95 4.00





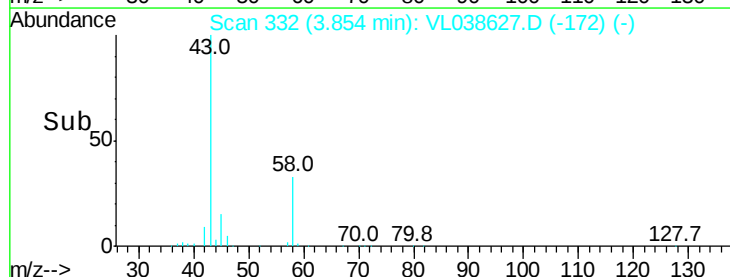
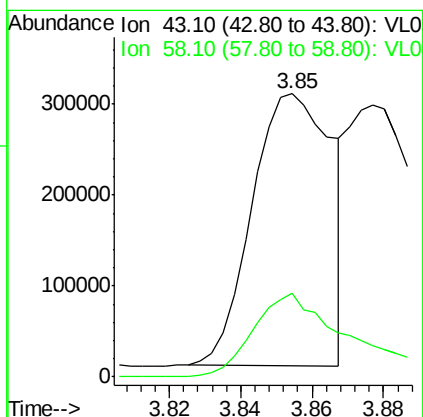
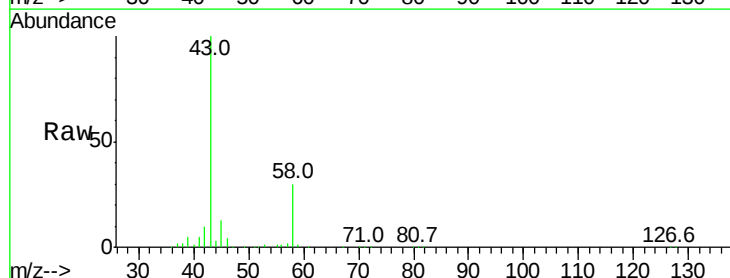
#13
Ethanol
Concen: 2104.50 ppbv
RT: 3.63
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Mar 2022 15:33

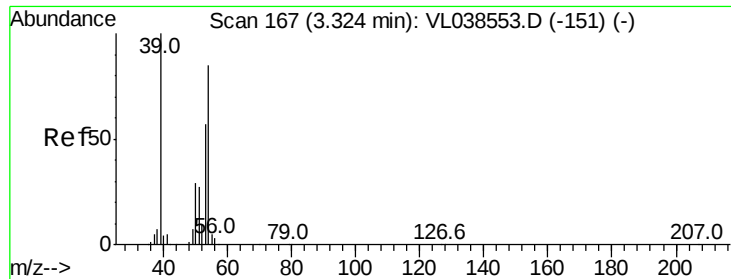
Tgt Ion: 45 Resp: 13117470
Ion Ratio Lower Upper
45 100
46 38.8 16.8 67.0



#15
Acetone
Concen: 7.50 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL038627.D
Acq: 17 Mar 2022 15:33

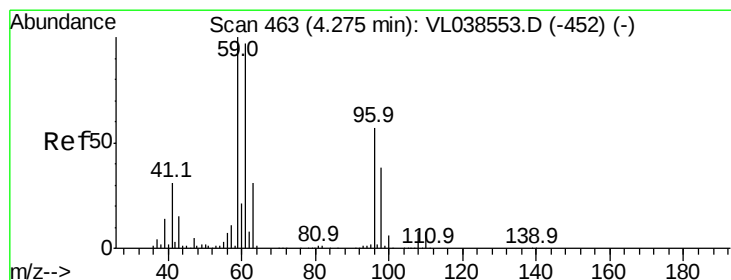
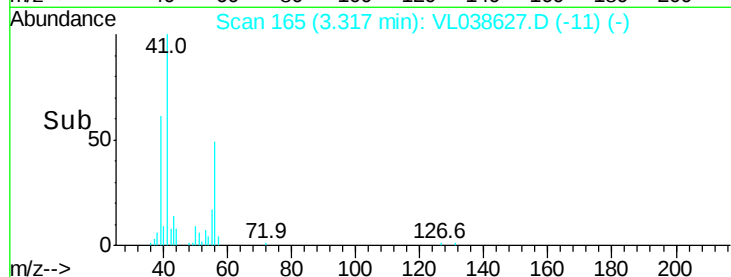
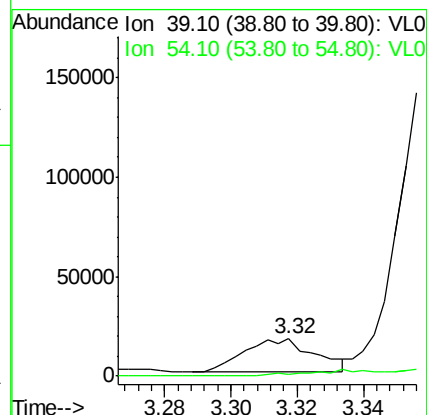
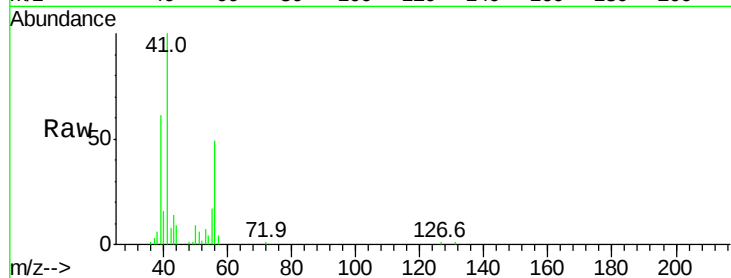
Tgt Ion: 43 Resp: 461143
Ion Ratio Lower Upper
43 100
58 40.9 22.7 34.1#





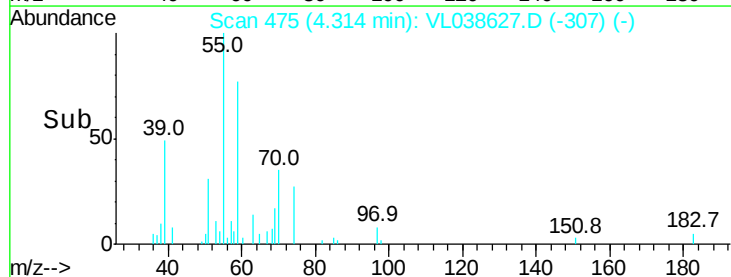
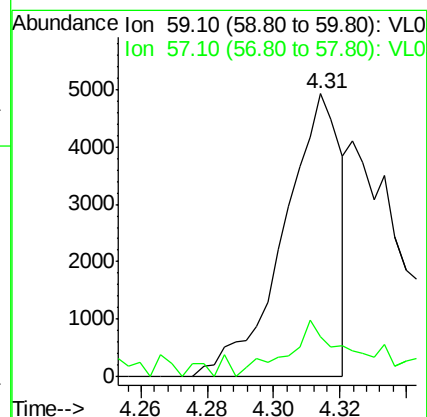
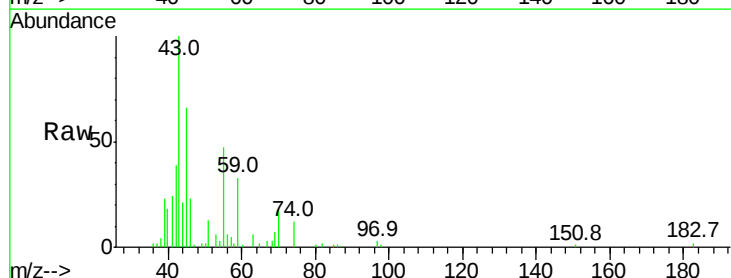
#16
 1,3-Butadiene
 Concen: 0.50 ppbv
 RT: 3.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 Mar 2022 15:33

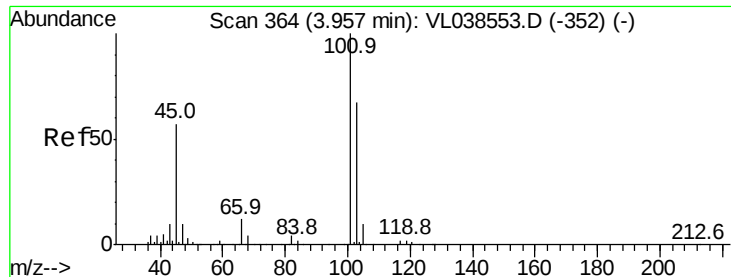
Tgt Ion: 39 Resp: 24679
 Ion Ratio Lower Upper
 39 100
 54 0.0 64.2 96.2#



#17
 tert-Butyl alcohol
 Concen: 0.09 ppbv
 RT: 4.31 min Scan# 475
 Delta R.T. 0.04 min
 Lab File: VL038627.D
 Acq: 17 Mar 2022 15:33

Tgt Ion: 59 Resp: 5900
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#





#19

Isopropyl Alcohol

Concen: 15.54 ppbv

RT: 3.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

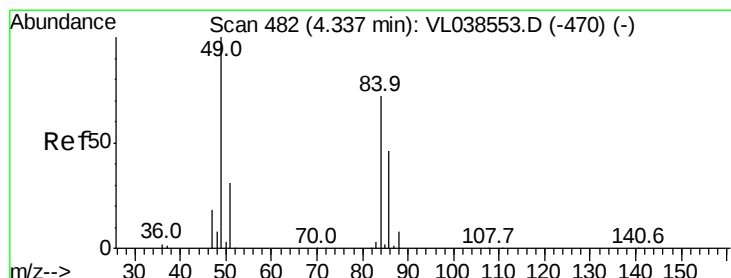
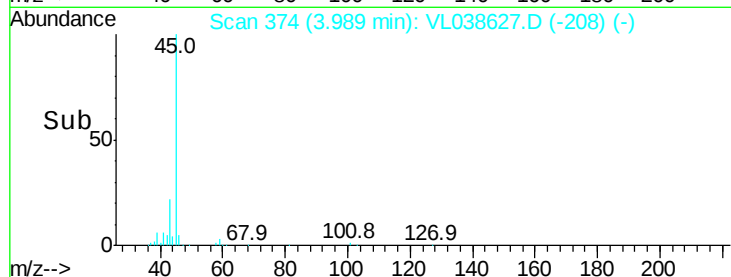
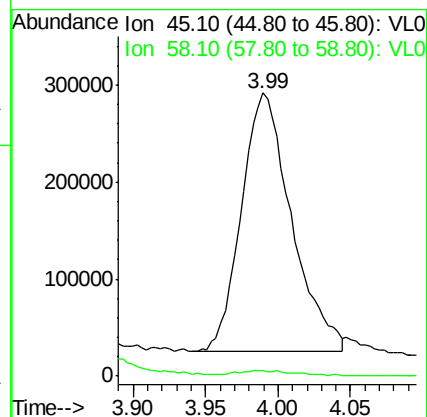
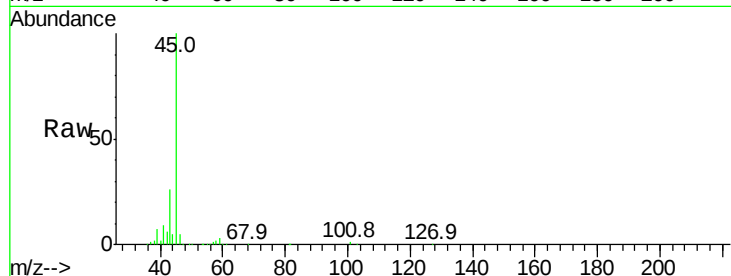
Acq: 17 Mar 2022 15:33

Tgt Ion: 45 Resp: 638413

Ion Ratio Lower Upper

45 100

58 3.1 2.2 3.2



#20

Methylene Chloride

Concen: 2.09 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.02 min

Lab File: VL038627.D

Acq: 17 Mar 2022 15:33

Tgt Ion: 84 Resp: 77307

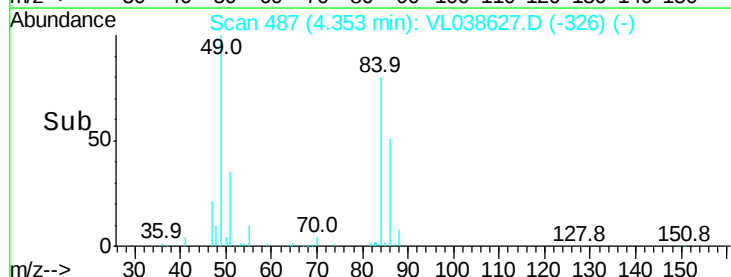
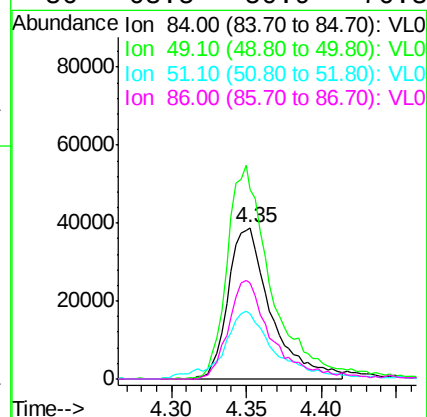
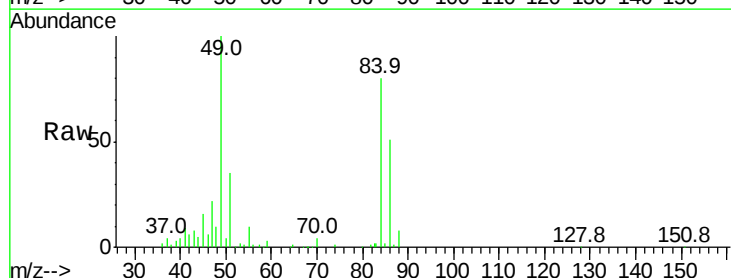
Ion Ratio Lower Upper

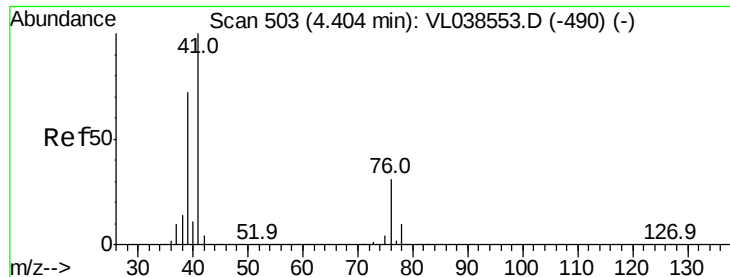
84 100

49 124.7 111.1 166.7

51 41.2 34.0 51.0

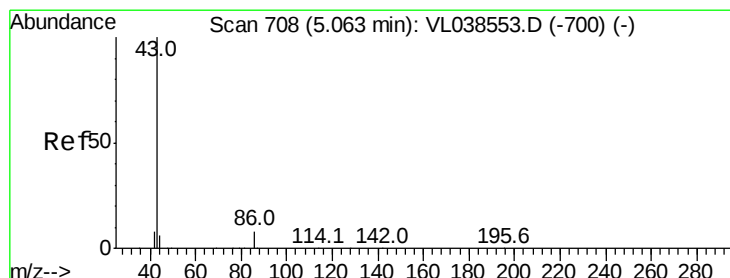
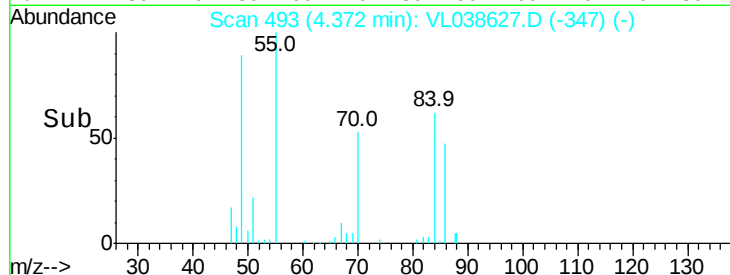
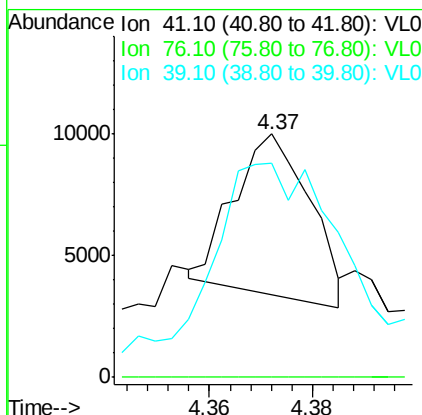
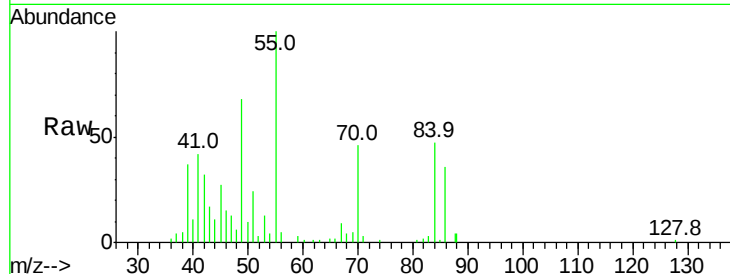
86 63.5 50.9 76.3





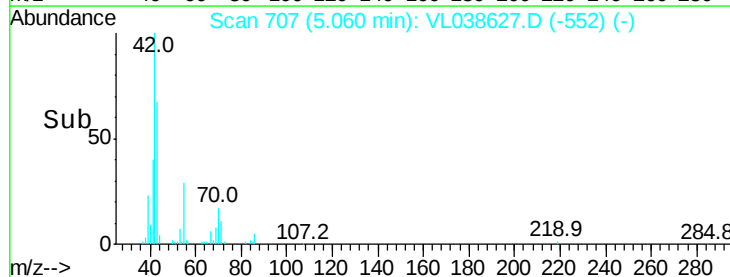
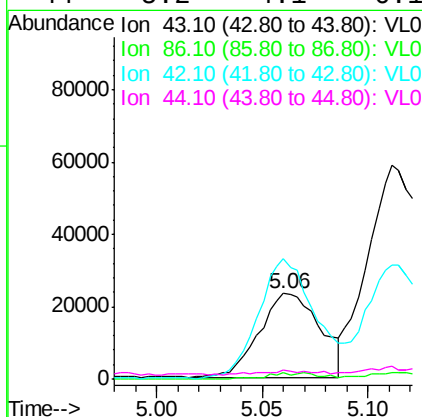
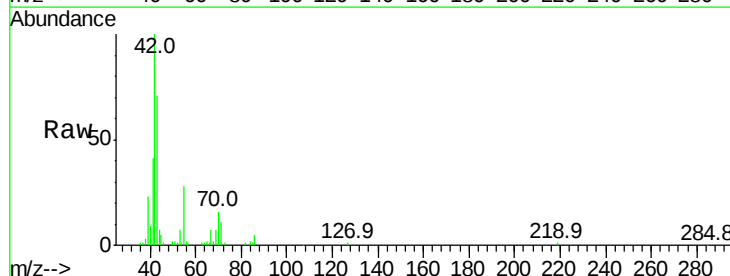
#21
 Allyl Chloride
 Concen: 0.11 ppbv
 RT: 4.37
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 Mar 2022 15:33

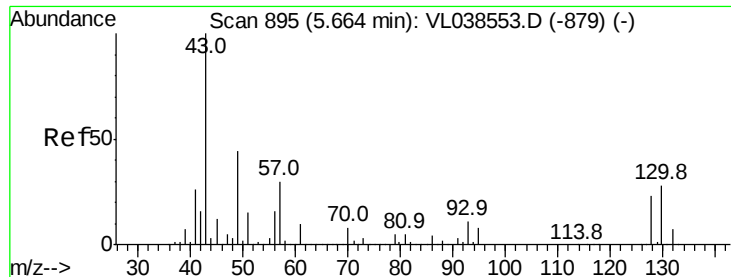
Tgt Ion: 41 Resp: 6619
 Ion Ratio Lower Upper
 41 100
 76 13.1 24.3 36.5#
 39 304.4 57.1 85.7#



#23
 Vinyl Acetate
 Concen: 0.53 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VL038627.D
 Acq: 17 Mar 2022 15:33

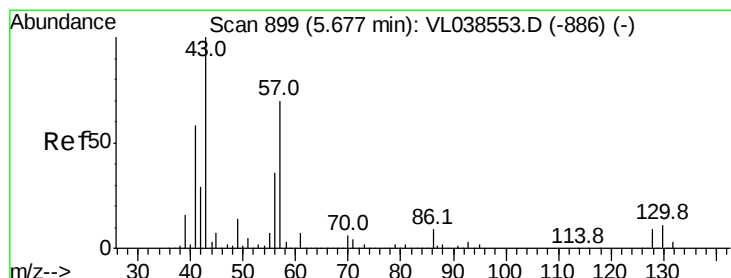
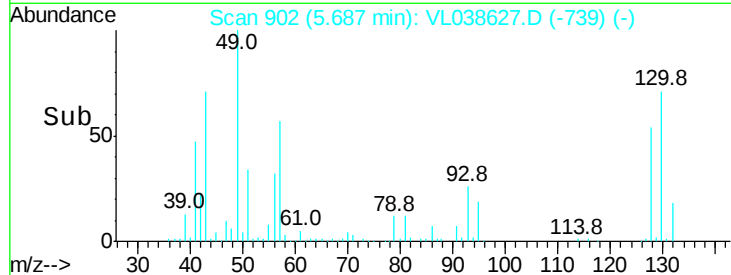
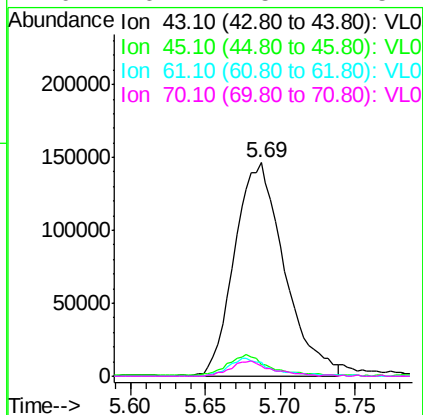
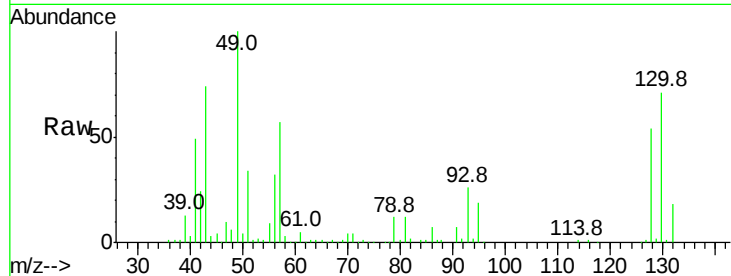
Tgt Ion: 43 Resp: 46774
 Ion Ratio Lower Upper
 43 100
 86 7.8 5.6 8.4
 42 142.9 7.1 10.7#
 44 5.2 4.1 6.1





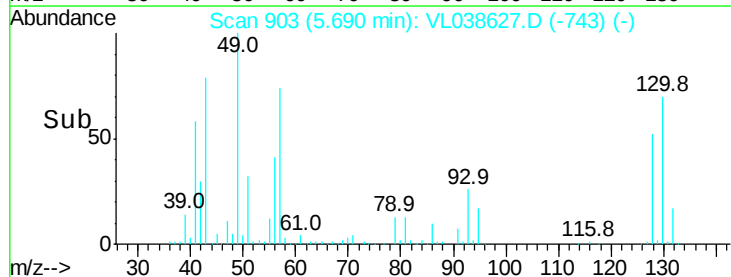
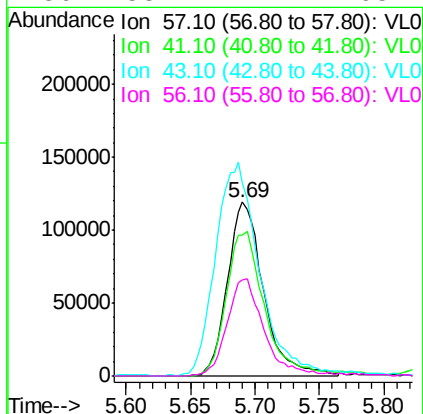
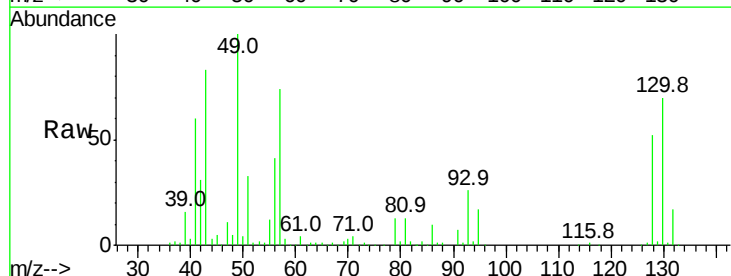
#25
Ethyl Acetate
Concen: 1.63 ppbv
RT: 5.69 min
Delta R.T.: 0.01 min
Lab File: VL038553.D
Acq: 17 Mar 2022 15:33

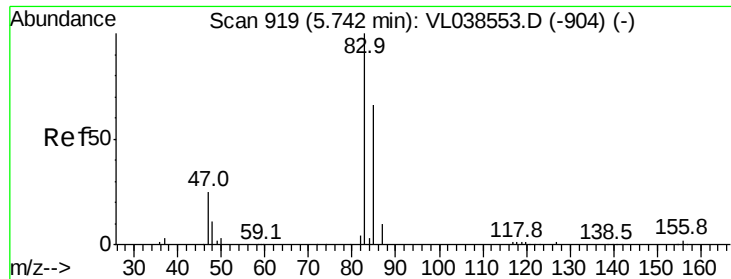
Tgt Ion:	43	Resp:	337428
Ion	Ratio	Lower	Upper
43	100		
45	8.4	8.0	12.0
61	7.3	8.2	12.4
70	6.2	5.4	8.2



#26
Hexane
Concen: 2.39 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: 0.01 min
Lab File: VL038627.D
Acq: 17 Mar 2022 15:33

Tgt Ion:	57	Resp:	232491
Ion	Ratio	Lower	Upper
57	100		
41	89.7	67.8	101.6
43	150.5	173.6	260.4
56	58.4	42.2	63.2





#29

Chloroform

Concen: 0.05 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

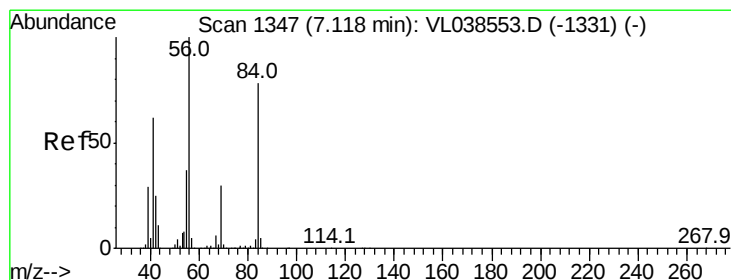
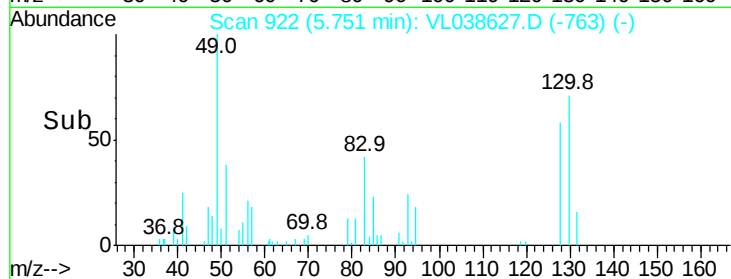
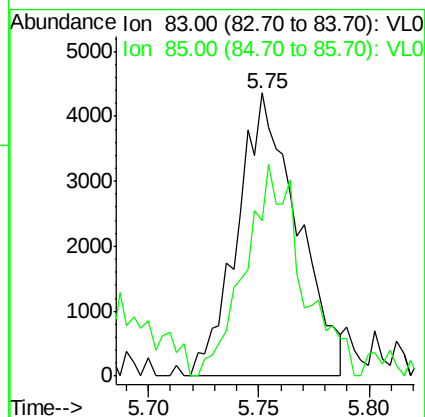
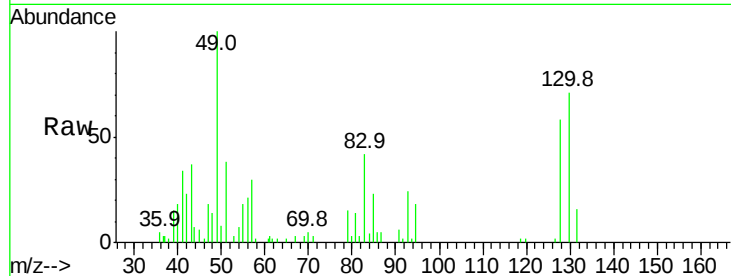
Acq: 17 Mar 2022 15:33

Tgt Ion: 83 Resp: 8290

Ion Ratio Lower Upper

83 100

85 55.1 52.8 79.2



#30

Cyclohexane

Concen: 0.11 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VL038627.D

Acq: 17 Mar 2022 15:33

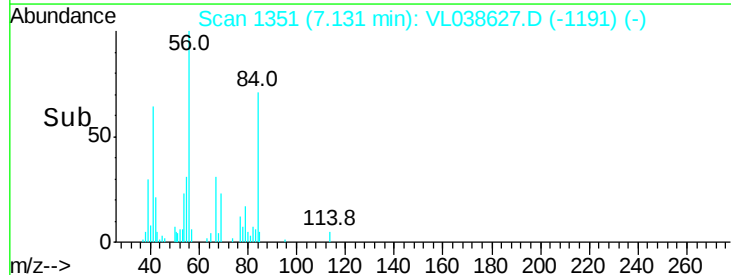
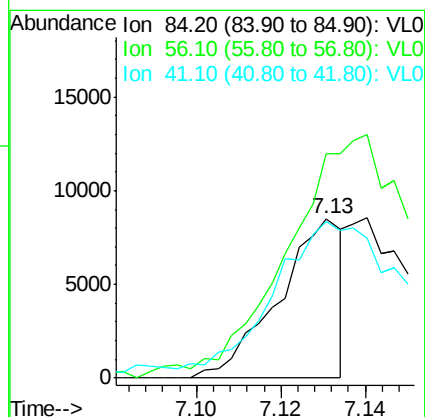
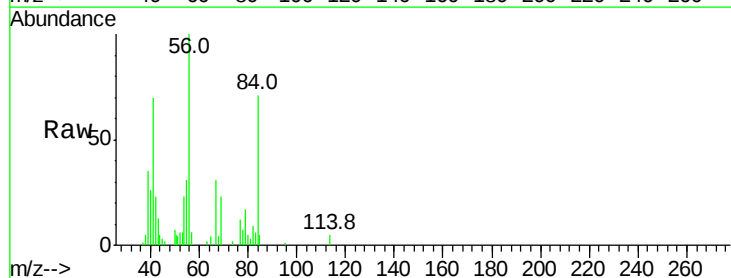
Tgt Ion: 84 Resp: 8951

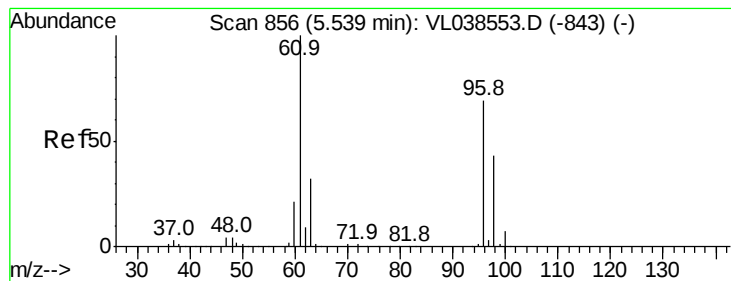
Ion Ratio Lower Upper

84 100

56 0.0 111.4 167.0#

41 220.8 65.5 98.3#





#31

cis-1,2-Dichloroethene

Concen: 0.25 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 15:33

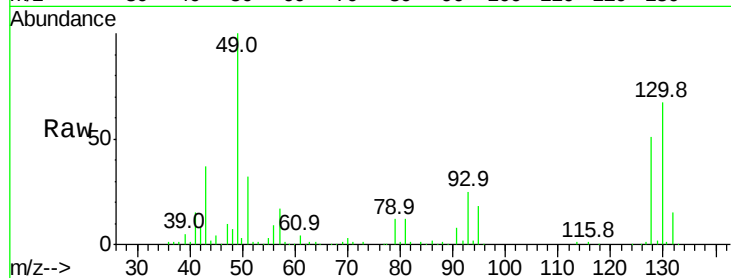
Tgt Ion: 61 Resp: 23036

Ion Ratio Lower Upper

61 100

96 3.8 55.2 82.8#

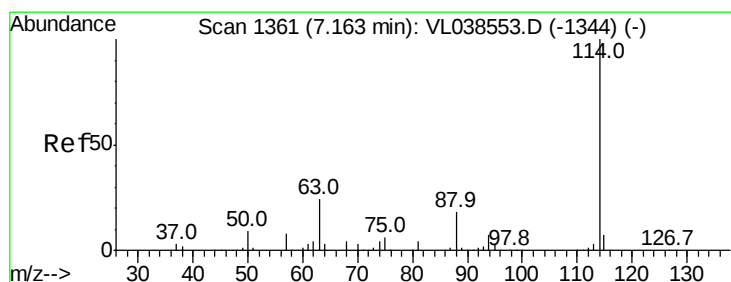
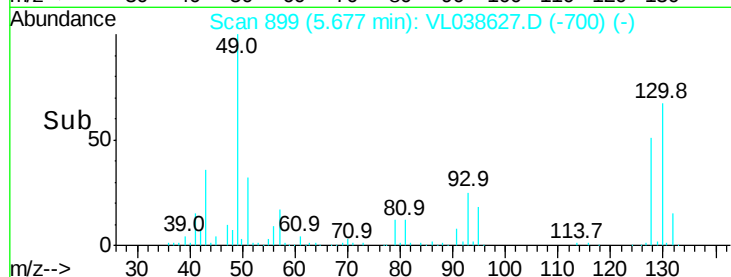
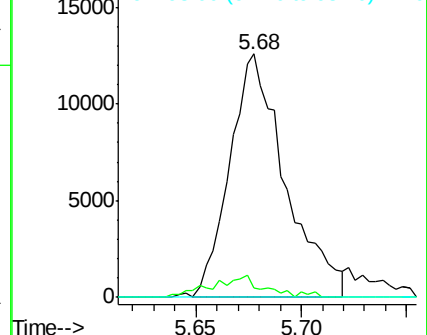
98 0.0 34.2 51.4#



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



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VL038627.D

Acq: 17 Mar 2022 15:33

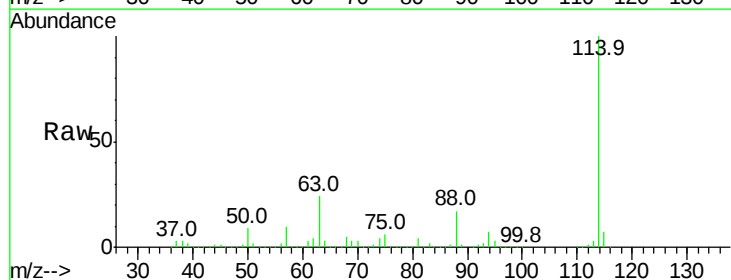
Tgt Ion: 114 Resp: 2160405

Ion Ratio Lower Upper

114 100

63 23.7 19.6 29.4

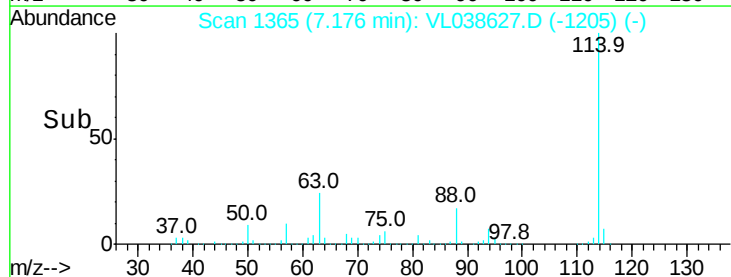
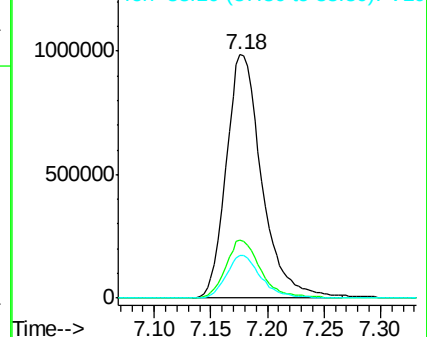
88 17.3 13.9 20.9

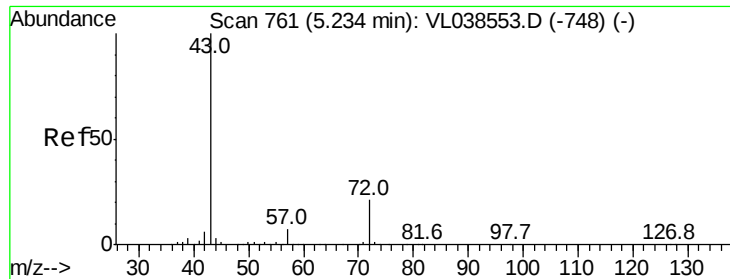


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#34

2-Butanone

Concen: 1.01 ppbv

RT: 5.25 Instrument: MSVOA_1

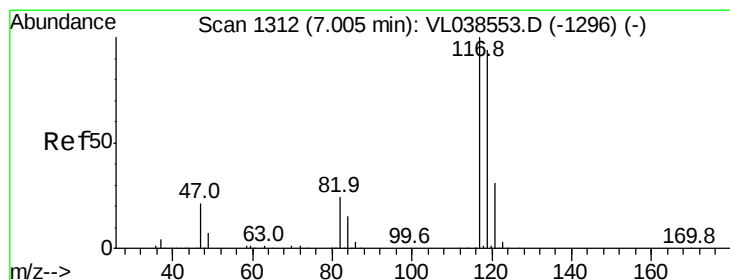
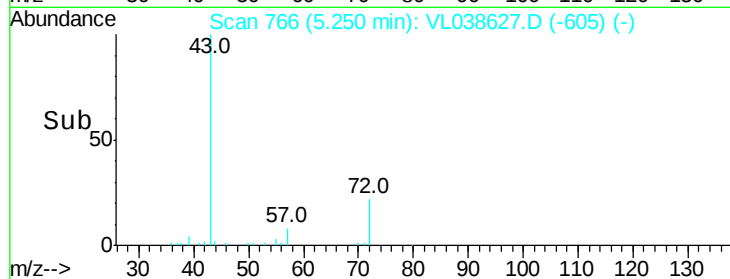
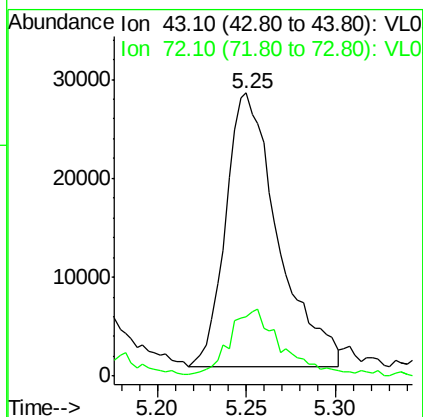
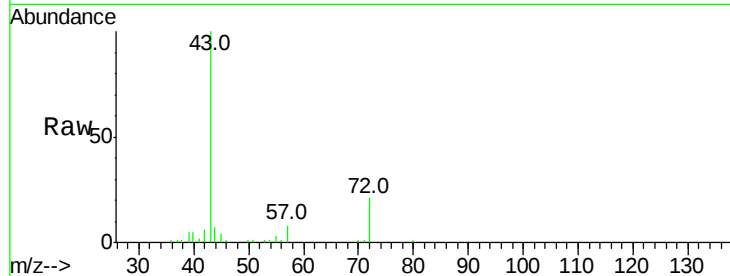
Delta R.T. ClientSampleId:

Lab File: IA-1A

Acq: 17 Mar 2022 15:33

Tgt Ion: 43 Resp: 56382

Ion	Ratio	Lower	Upper
43	100		
72	25.5	17.8	26.6



#35

Carbon Tetrachloride

Concen: 0.04 ppbv

RT: 7.02 min Scan# 1316

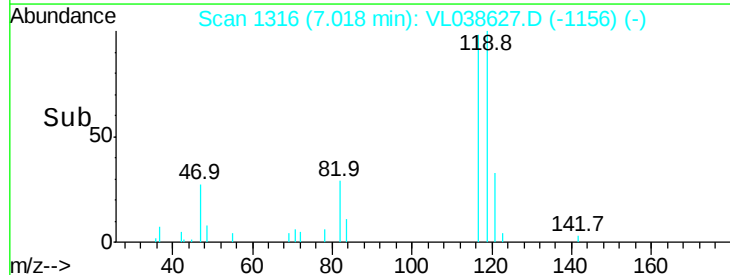
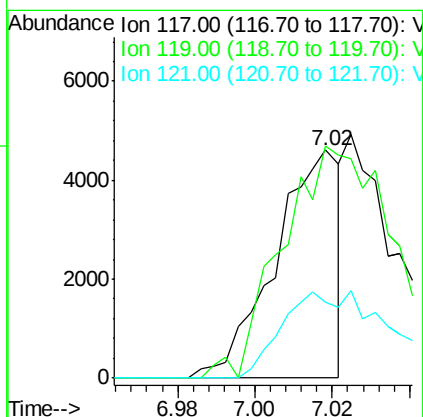
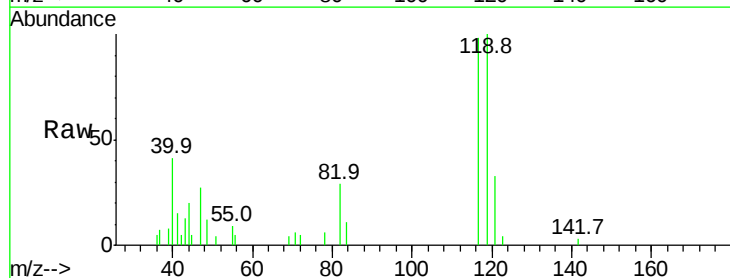
Delta R.T. 0.01 min

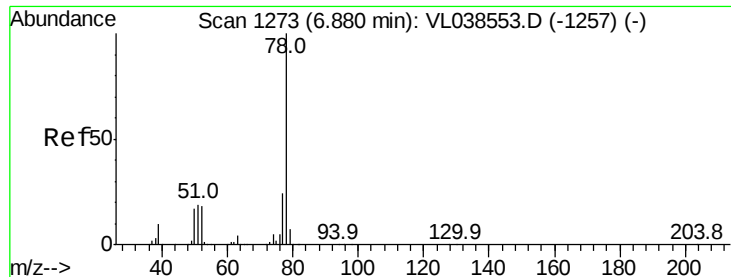
Lab File: VL038627.D

Acq: 17 Mar 2022 15:33

Tgt Ion: 117 Resp: 5363

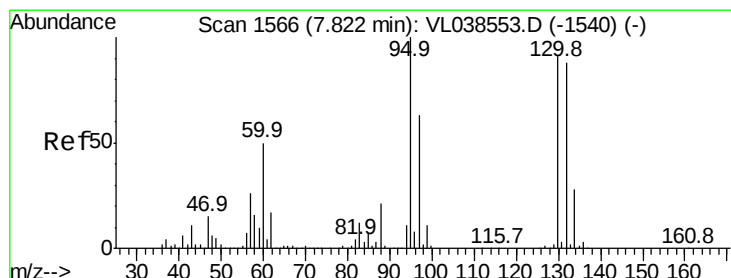
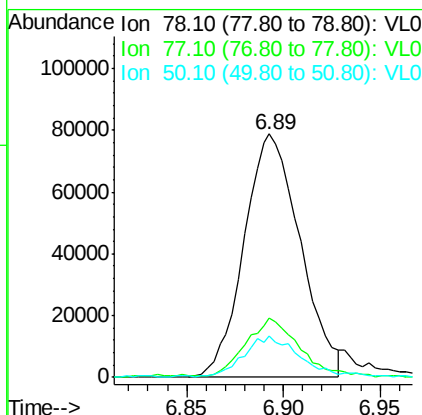
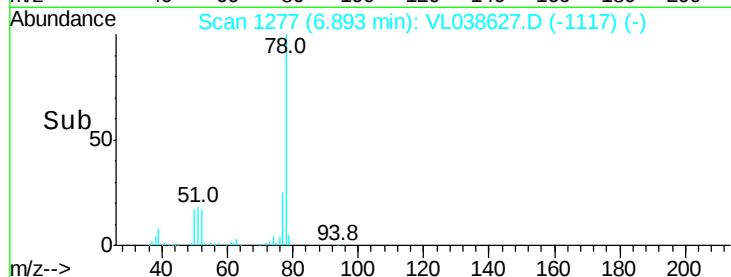
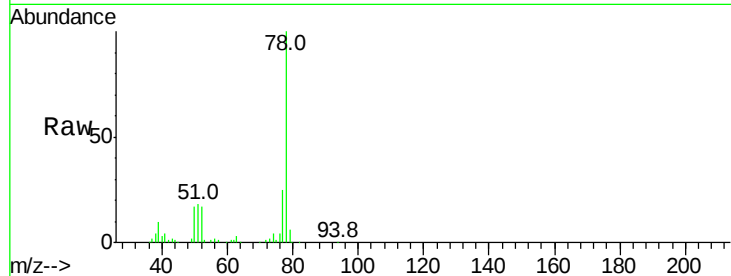
Ion	Ratio	Lower	Upper
117	100		
119	101.8	75.2	112.8
121	33.5	24.8	37.2





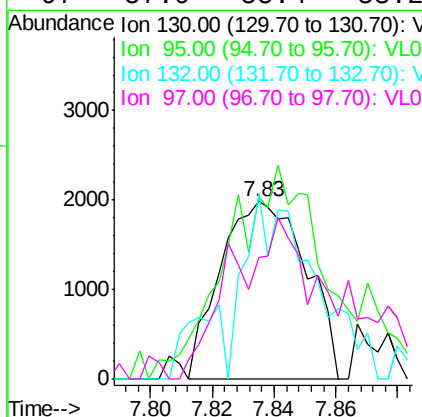
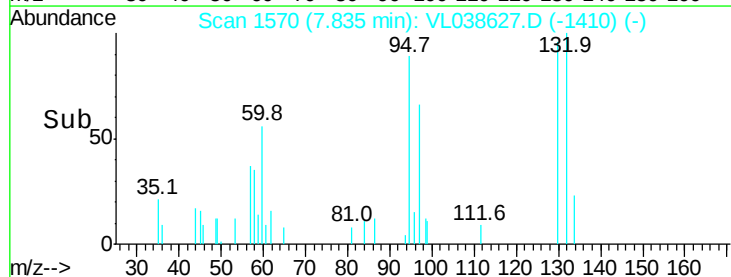
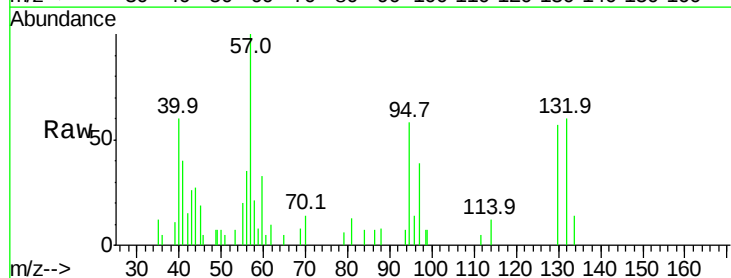
#36
Benzene
Concen: 0.82 ppbv
RT: 6.89 Instrument : MSVOA_L
Delta R.T. :
Lab File: ClientSampleId :
Acq: 17 Mar 2022 15:33

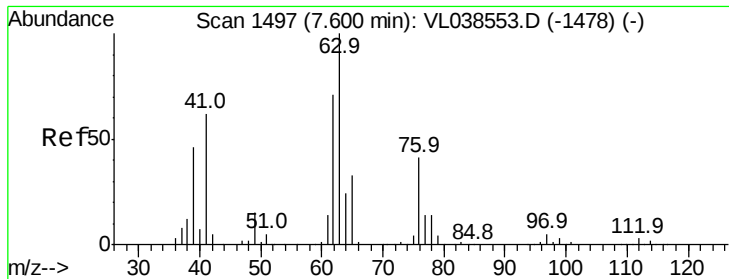
Tgt Ion:	78	Resp:	159071
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4
50	15.6	13.9	20.9



#38
Trichloroethene
Concen: 0.05 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VL038627.D
Acq: 17 Mar 2022 15:33

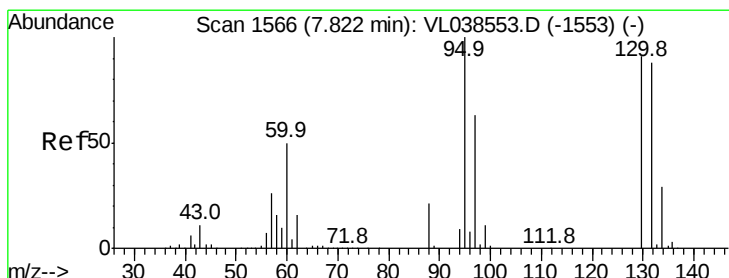
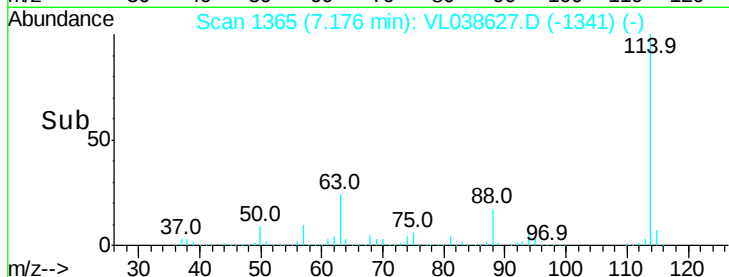
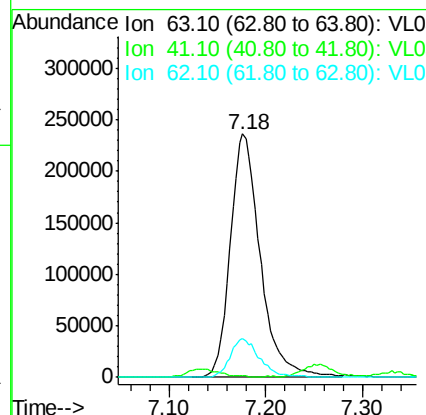
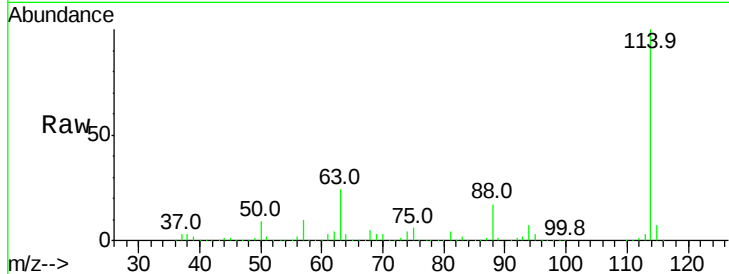
Tgt Ion:	130	Resp:	3819
Ion	Ratio	Lower	Upper
130	100		
95	80.1	87.8	131.8#
132	72.7	77.5	116.3#
97	57.9	55.4	83.2





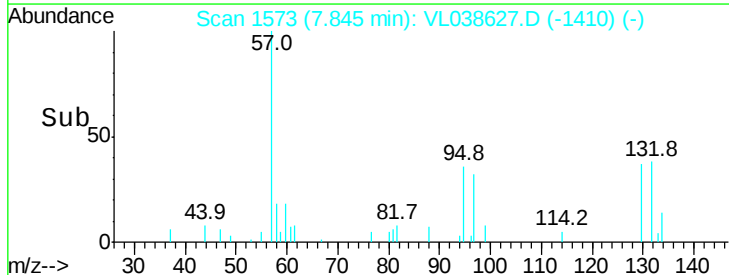
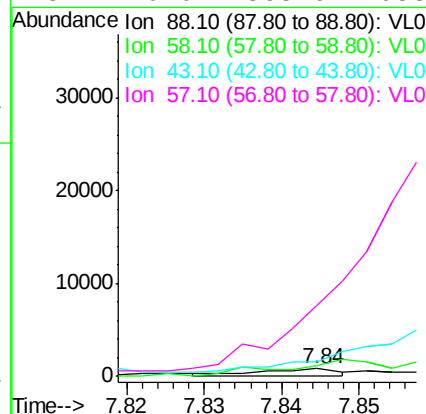
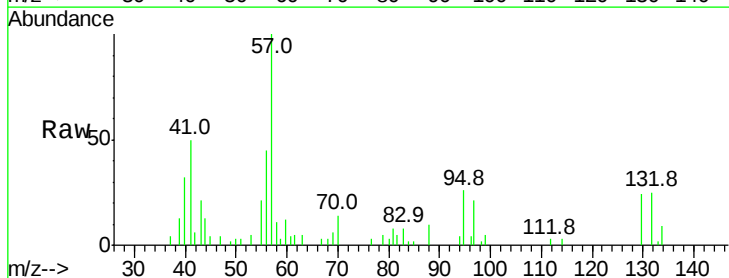
#39
 1,2-Dichloropropane
 Concen: 6.77 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 Mar 2022 15:33

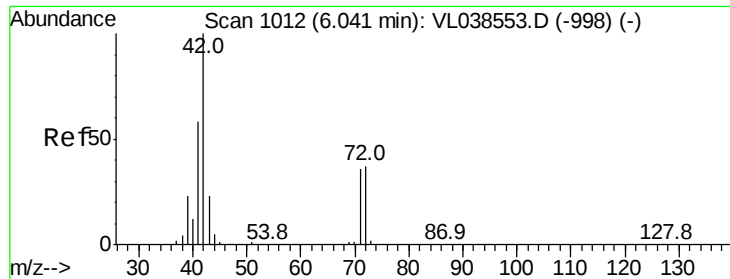
Tgt Ion: 63 Resp: 507561
 Ion Ratio Lower Upper
 63 100
 41 0.0 49.8 74.6#
 62 15.7 56.7 85.1#



#40
 1,4-Dioxane
 Concen: 0.03 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.02 min
 Lab File: VL038627.D
 Acq: 17 Mar 2022 15:33

Tgt Ion: 88 Resp: 580
 Ion Ratio Lower Upper
 88 100
 58 0.0 126.7 190.1#
 43 0.0 303.0 454.6#
 57 0.0 1368.6 2053.0#





#41

Tetrahydrofuran

Concen: 0.03 ppbv

RT: 6.07 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 15:33

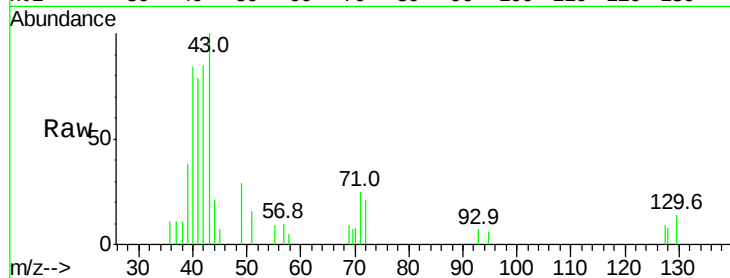
Tgt Ion: 42 Resp: 1325

Ion Ratio Lower Upper

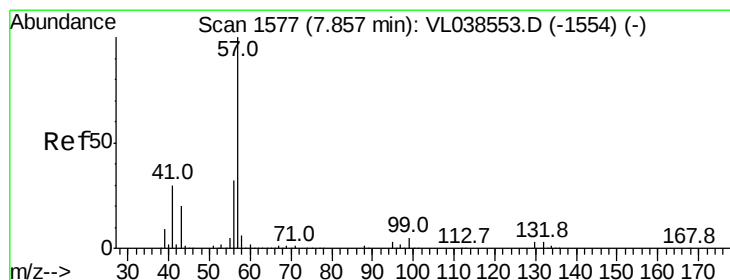
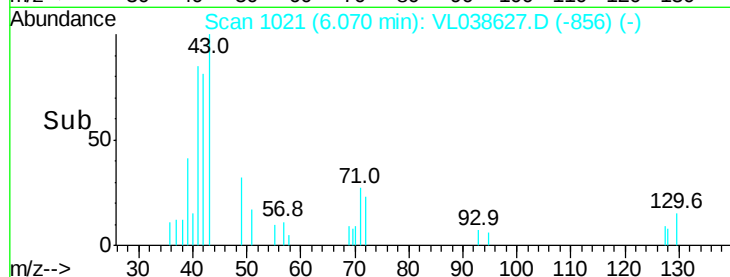
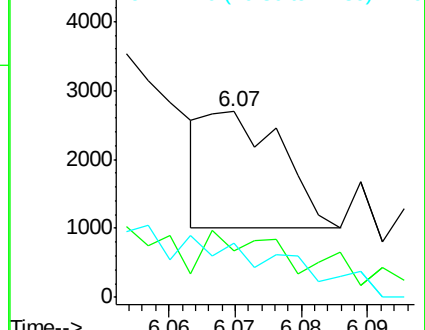
42 100

72 160.6 30.9 46.3#

71 132.2 29.1 43.7#



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



#44

2,2,4-Trimethylpentane

Concen: 0.29 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. 0.02 min

Lab File: VL038627.D

Acq: 17 Mar 2022 15:33

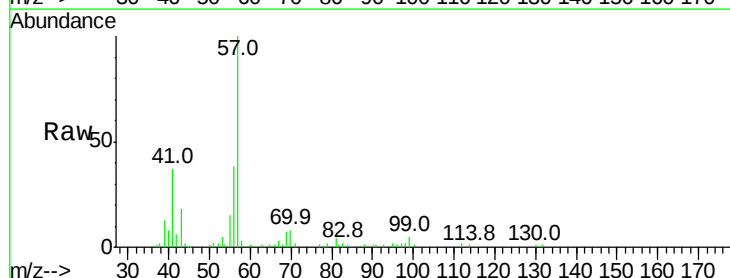
Tgt Ion: 57 Resp: 94665

Ion Ratio Lower Upper

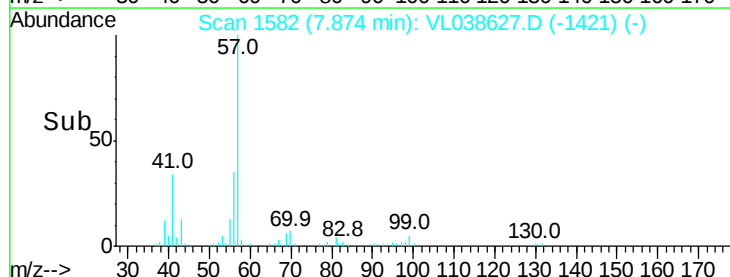
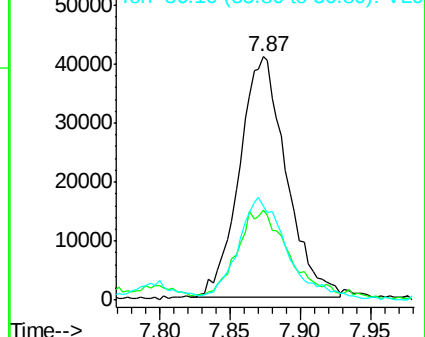
57 100

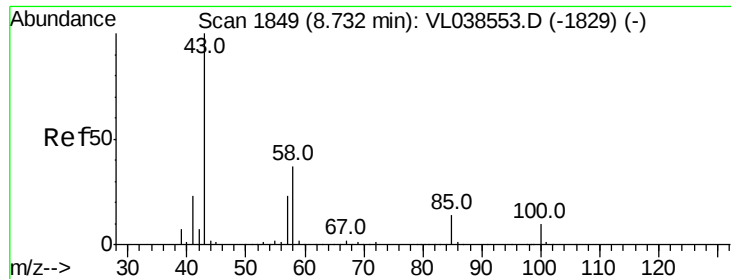
41 42.9 24.0 36.0#

56 45.6 25.6 38.4#



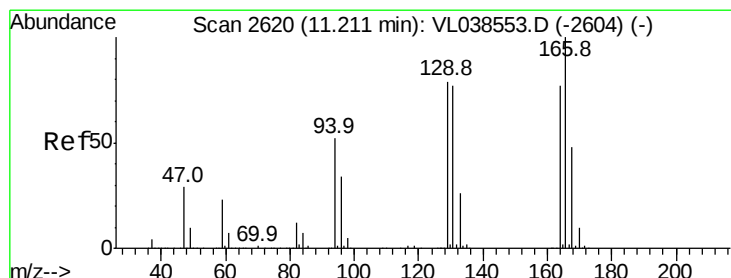
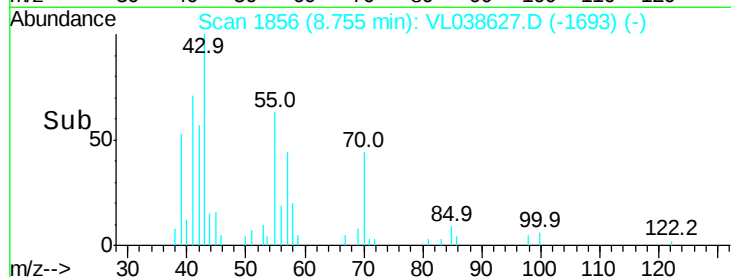
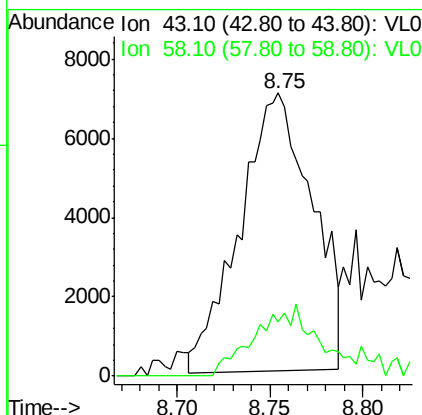
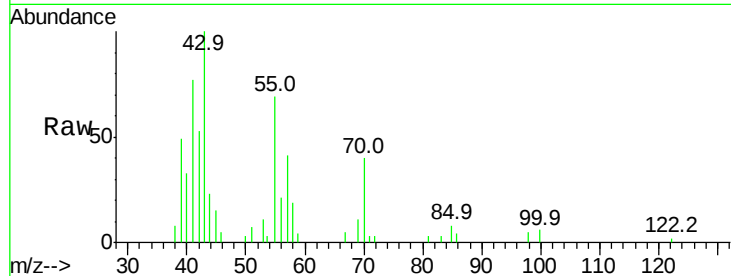
Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





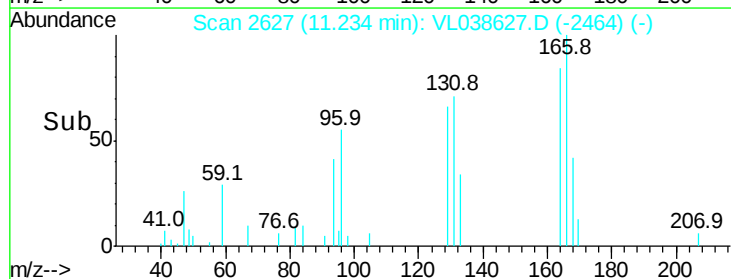
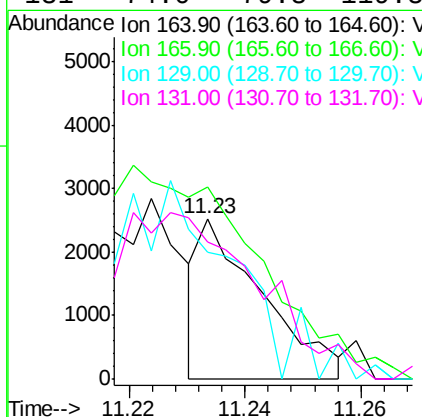
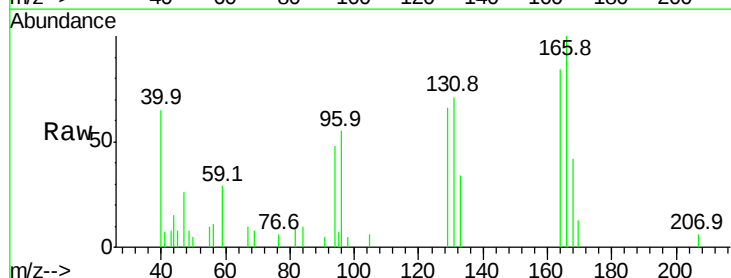
#50
4-Methyl-2-Pentanone
Concen: 0.17 ppbv
RT: 8.75 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Mar 2022 15:33

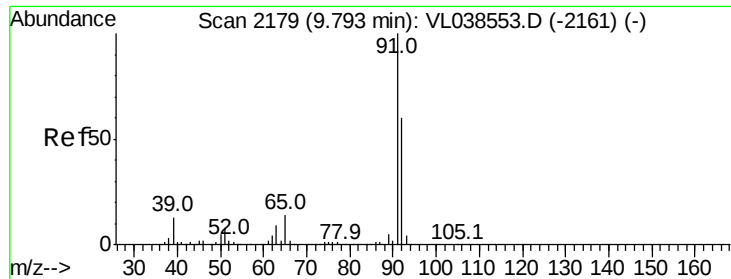
Tgt Ion: 43 Resp: 19139
Ion Ratio Lower Upper
43 100
58 24.5 29.2 43.8#



#52
Tetrachloroethene
Concen: 0.03 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. 0.02 min
Lab File: VL038627.D
Acq: 17 Mar 2022 15:33

Tgt Ion: 164 Resp: 1913
Ion Ratio Lower Upper
164 100
166 106.3 103.4 155.2
129 66.0 81.3 121.9#
131 74.0 79.8 119.8#





#53

Toluene

Concen: 4.43 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

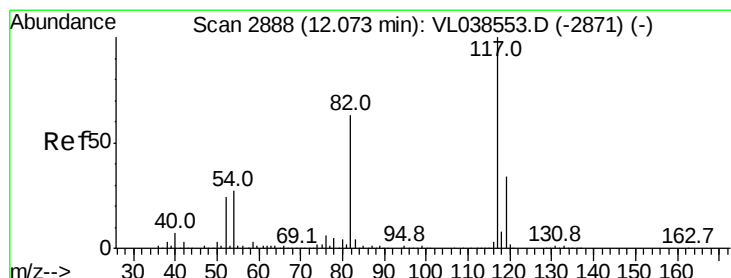
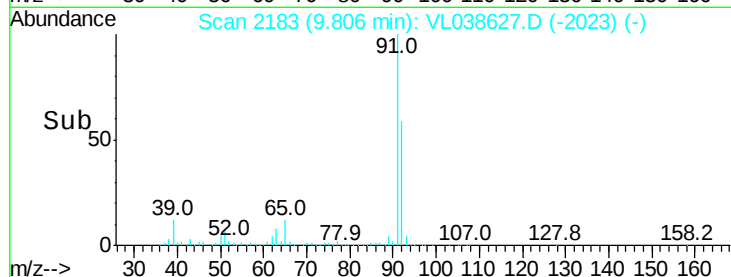
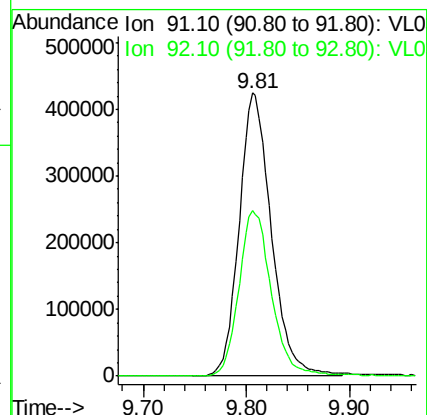
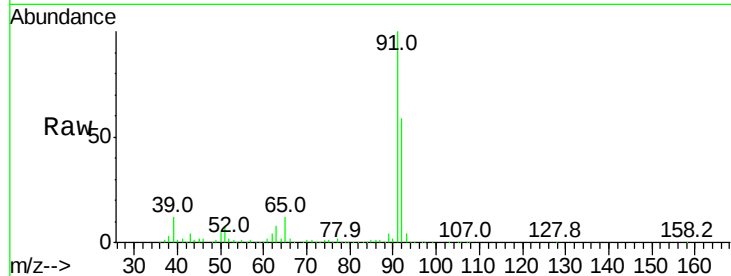
Acq: 17 Mar 2022 15:33

Tgt Ion: 91 Resp: 922332

Ion Ratio Lower Upper

91 100

92 59.9 48.1 72.1



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.02 min

Lab File: VL038627.D

Acq: 17 Mar 2022 15:33

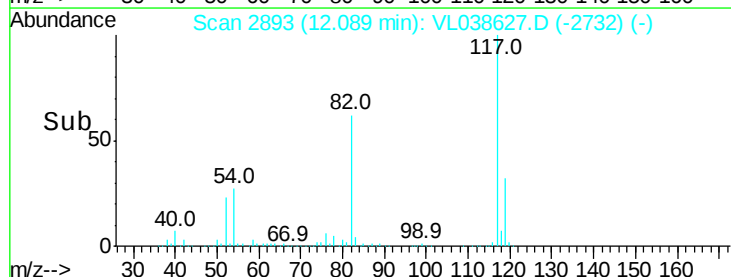
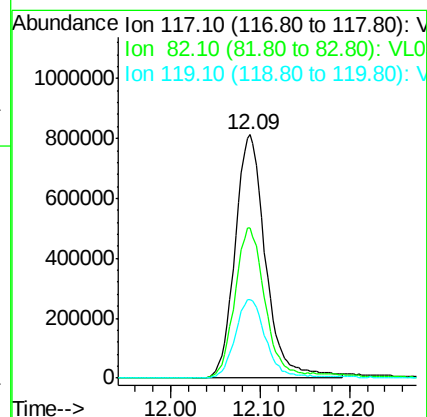
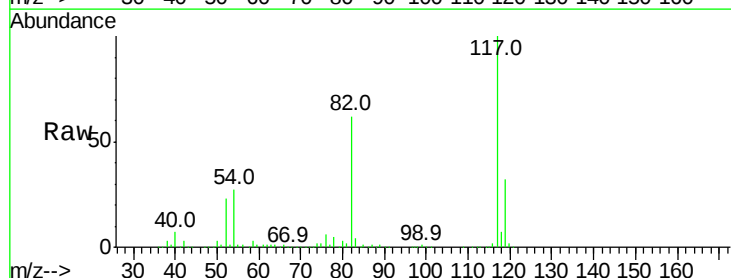
Tgt Ion: 117 Resp: 1929041

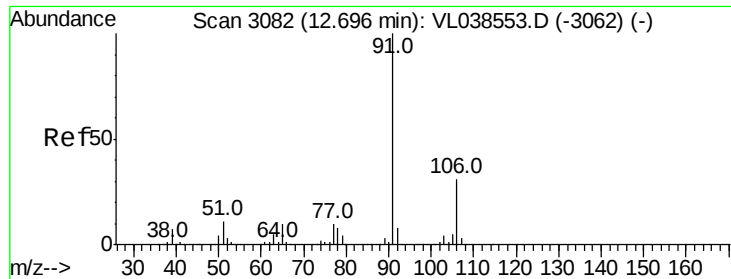
Ion Ratio Lower Upper

117 100

82 64.9 52.5 78.7

119 33.4 46.4 69.6#





#58

Ethyl Benzene

Concen: 0.24 ppbv

RT: 12.72

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

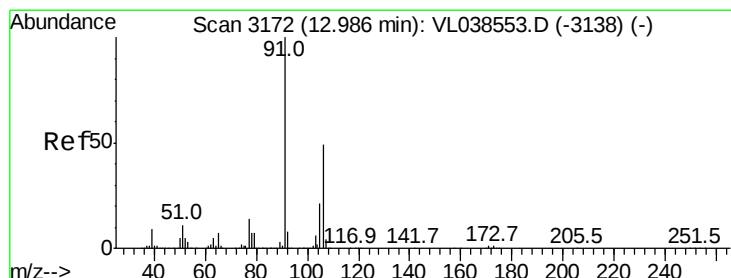
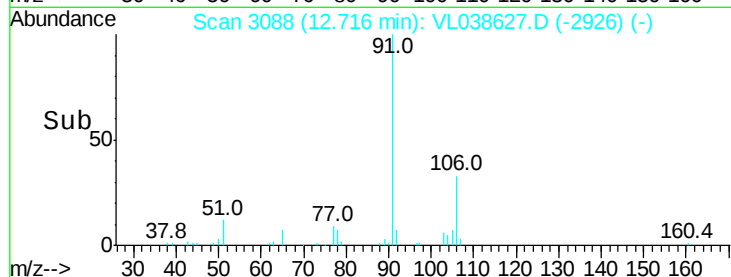
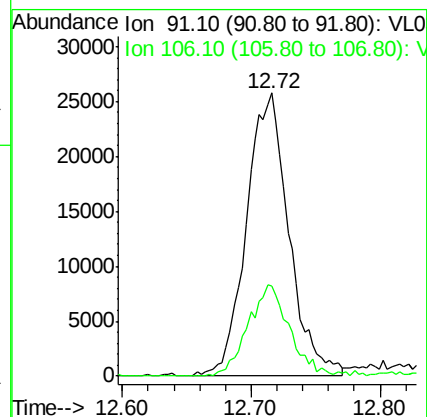
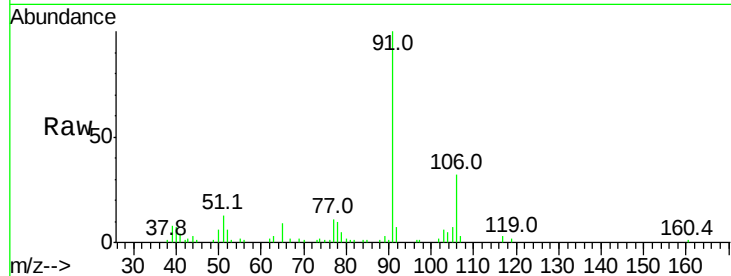
Acq: 17 Mar 2022 15:33

Tgt Ion: 91 Resp: 59234

Ion Ratio Lower Upper

91 100

106 31.9 24.6 37.0



#59

m/p-Xylene

Concen: 0.87 ppbv

RT: 12.97 min Scan# 3167

Delta R.T. -0.02 min

Lab File: VL038627.D

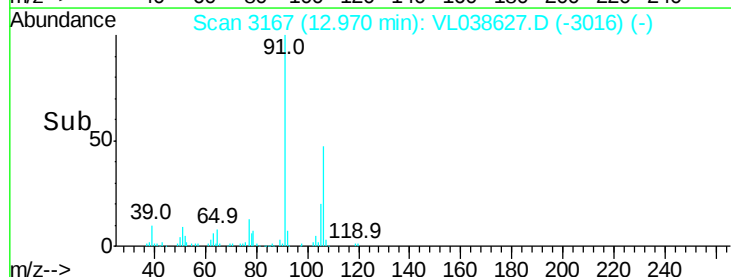
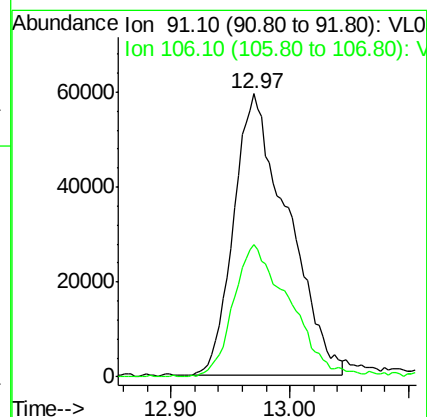
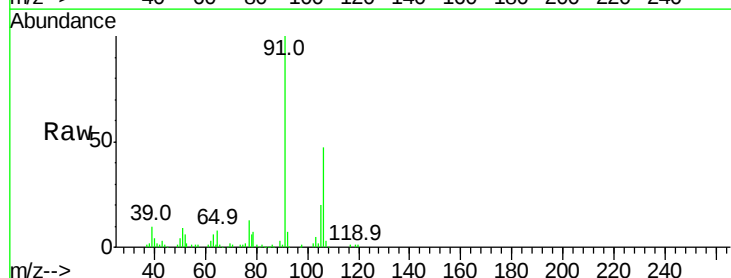
Acq: 17 Mar 2022 15:33

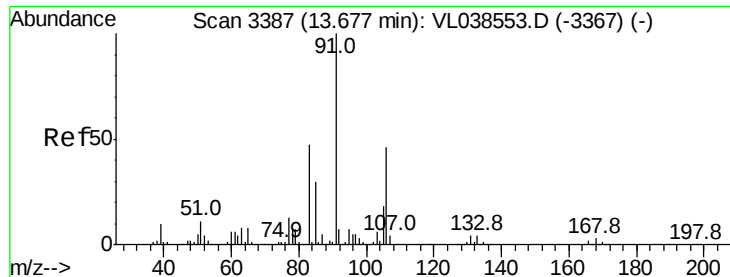
Tgt Ion: 91 Resp: 186281

Ion Ratio Lower Upper

91 100

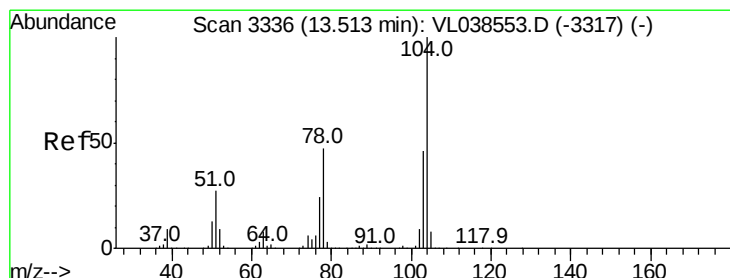
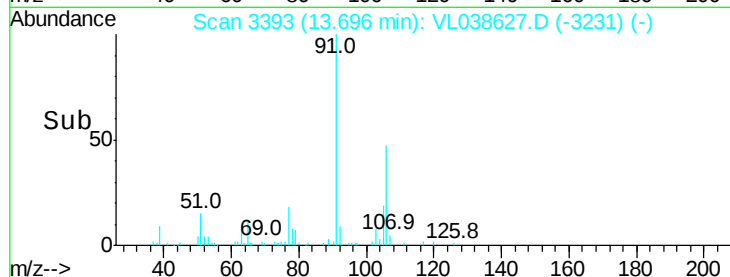
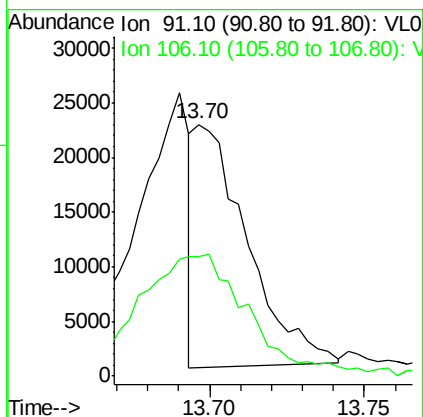
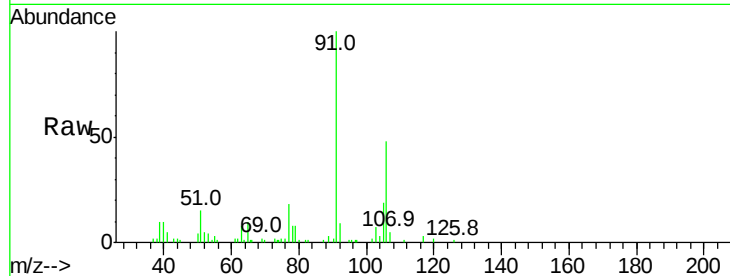
106 49.3 37.1 55.7





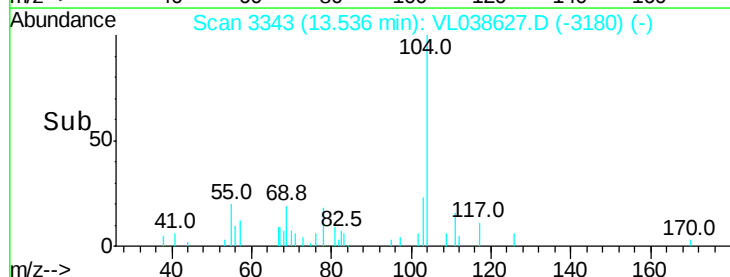
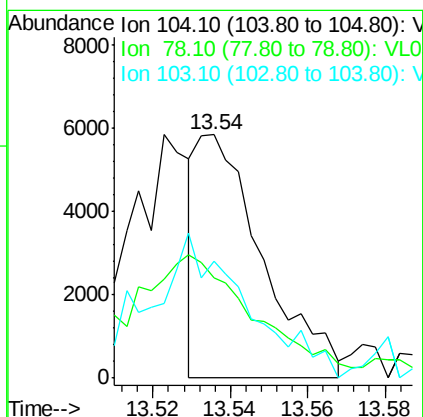
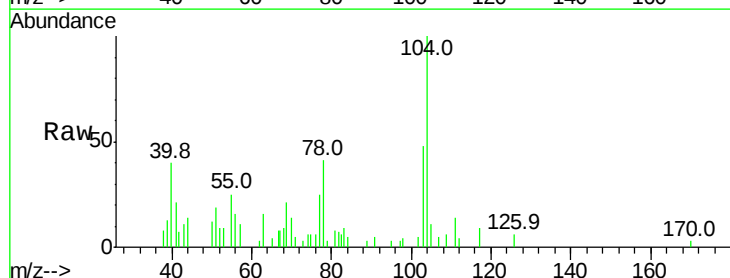
#60
o-Xylene
Concen: 0.13 ppbv
RT: 13.70
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Mar 2022 15:33

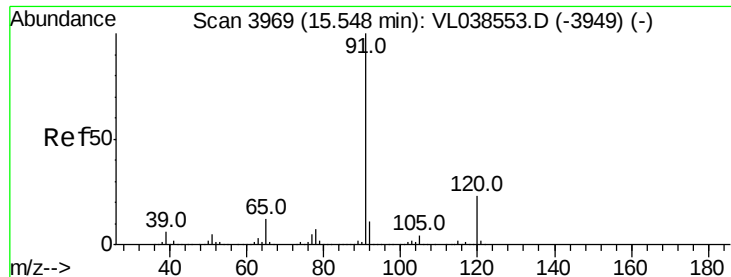
Tgt Ion: 91 Resp: 26108
Ion Ratio Lower Upper
91 100
106 110.5 23.5 70.6#



#61
Styrene
Concen: 0.07 ppbv
RT: 13.54 min Scan# 3343
Delta R.T. 0.02 min
Lab File: VL038627.D
Acq: 17 Mar 2022 15:33

Tgt Ion: 104 Resp: 6844
Ion Ratio Lower Upper
104 100
78 107.1 39.0 58.4#
103 93.7 38.0 57.0#





#64

n-propylbenzene

Concen: 0.06 ppbv

RT: 15.76

Delta R.T. MSVOA_L

Lab File:

ClientSampleId: IA-1A

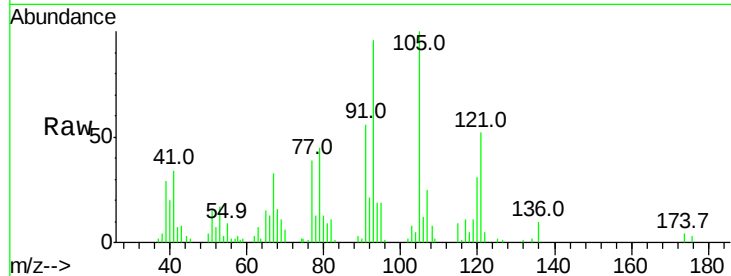
Acq: 17 Mar 2022 15:33

Tgt Ion:120 Resp: 4152

Ion Ratio Lower Upper

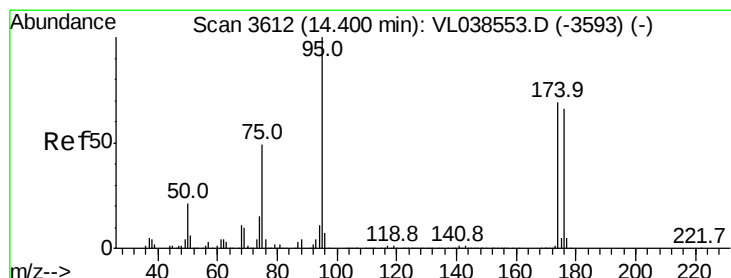
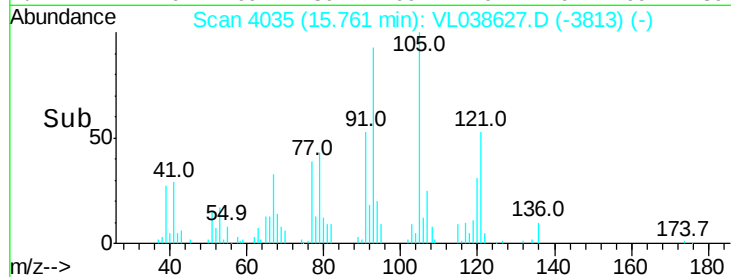
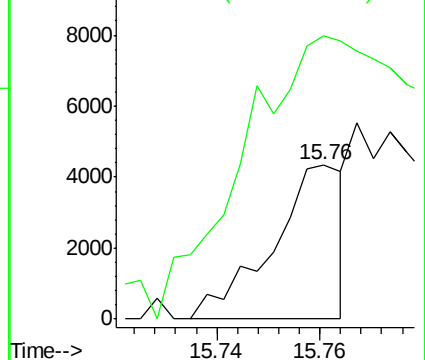
120 100

91 514.2 374.2 561.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.15 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.02 min

Lab File: VL038627.D

Acq: 17 Mar 2022 15:33

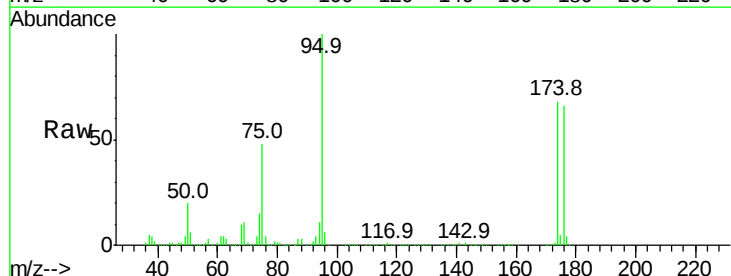
Tgt Ion: 95 Resp: 1341910

Ion Ratio Lower Upper

95 100

174 74.4 56.2 84.4

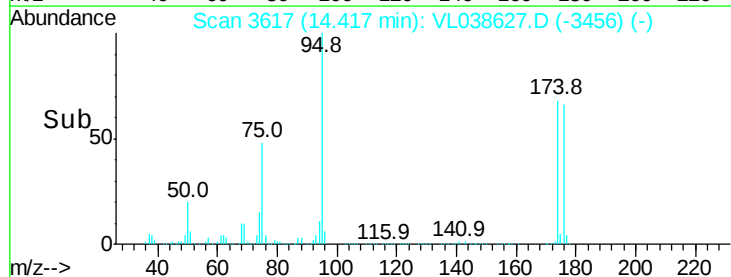
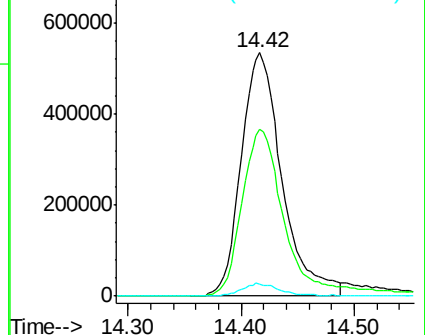
175 5.3 4.2 6.2

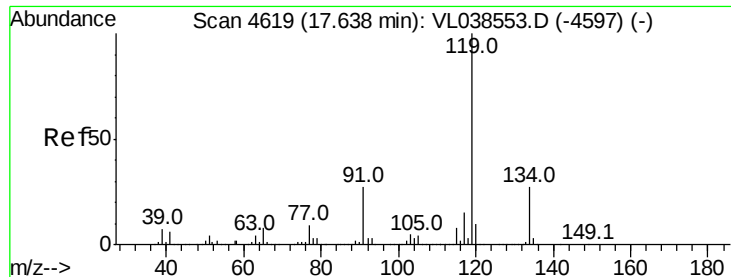


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 0.08 ppbv

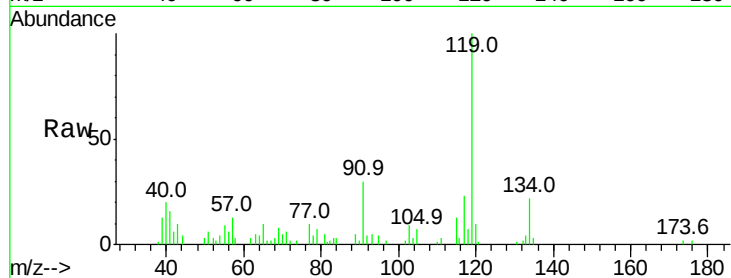
RT: 17.65

Delta R.T. MSVOA_L

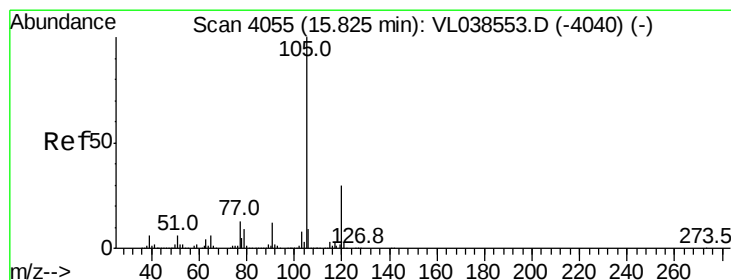
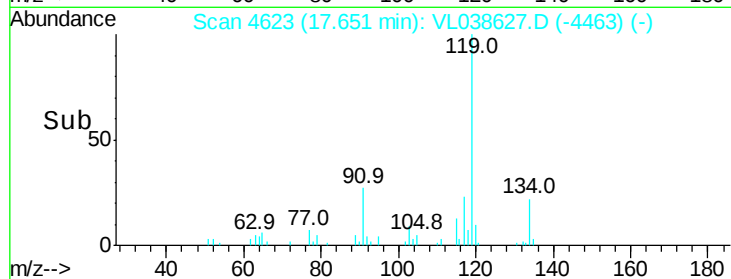
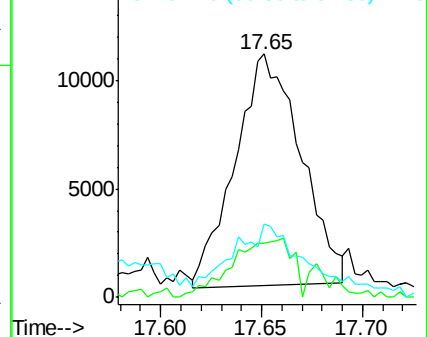
Lab File: ClientSampleId :

Acq: 17 Mar 2022 15:33

Tgt Ion:	119	Resp:	24287
Ion Ratio	Lower	Upper	
119	100		
134	28.9	20.9	31.3
91	37.9	21.1	31.7#



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): VL0



#72

4-Ethyltoluene

Concen: 0.03 ppbv

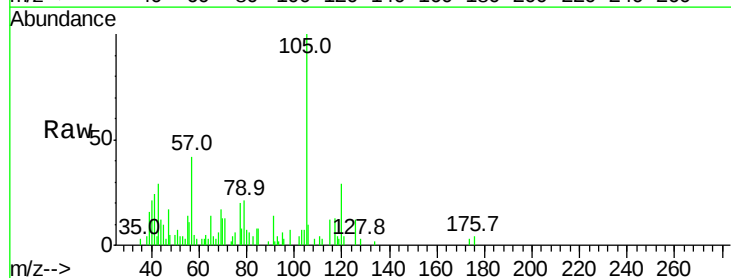
RT: 15.84 min Scan# 4061

Delta R.T. 0.02 min

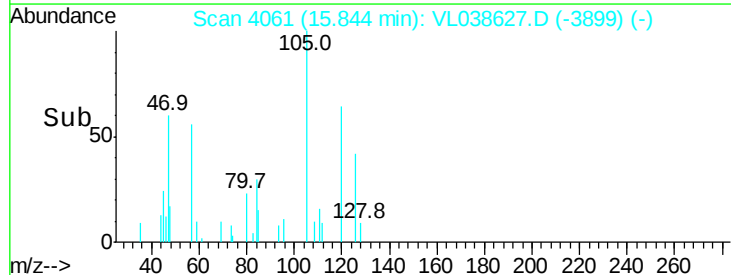
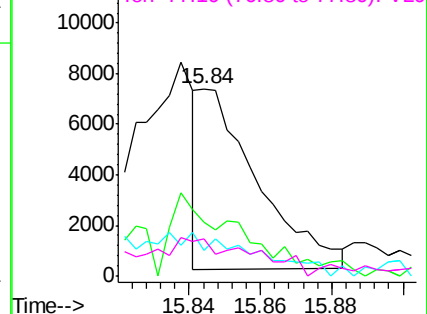
Lab File: VL038627.D

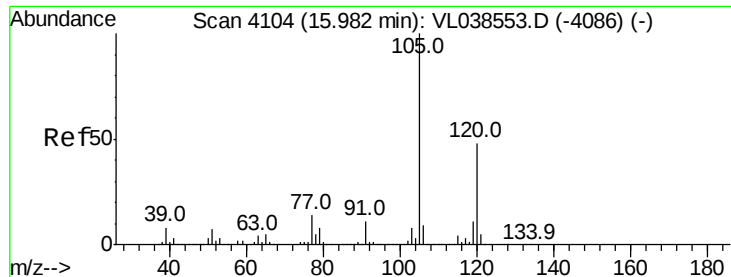
Acq: 17 Mar 2022 15:33

Tgt Ion:	105	Resp:	8036
Ion Ratio	Lower	Upper	
105	100		
120	0.0	25.0	37.4#
91	53.2	9.8	14.6#
77	0.0	10.7	16.1#



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





#73

1,3,5-Trimethylbenzene

Concen: 0.03 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

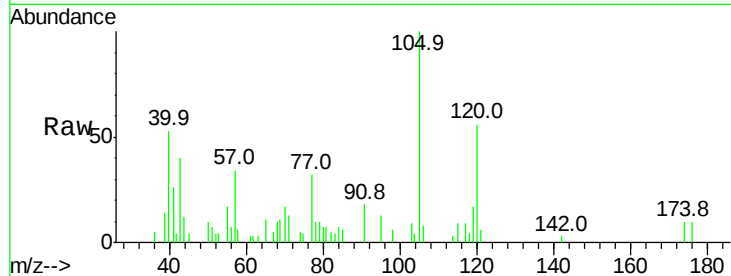
Acq: 17 Mar 2022 15:33

Tgt Ion:105 Resp: 7105

Ion Ratio Lower Upper

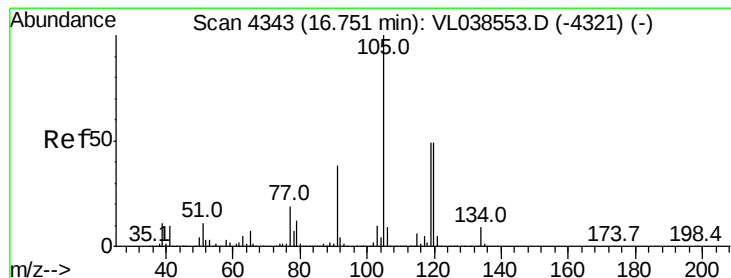
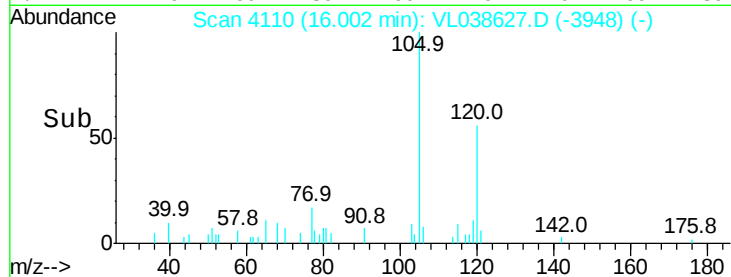
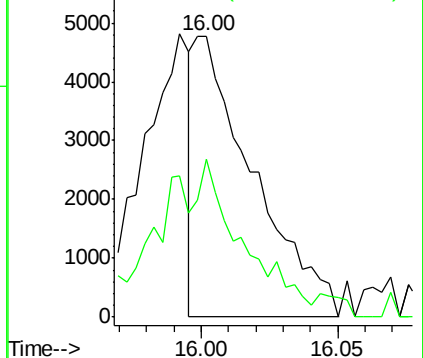
105 100

120 59.1 38.3 57.5#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.13 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.01 min

Lab File: VL038627.D

Acq: 17 Mar 2022 15:33

Tgt Ion:105 Resp: 30267

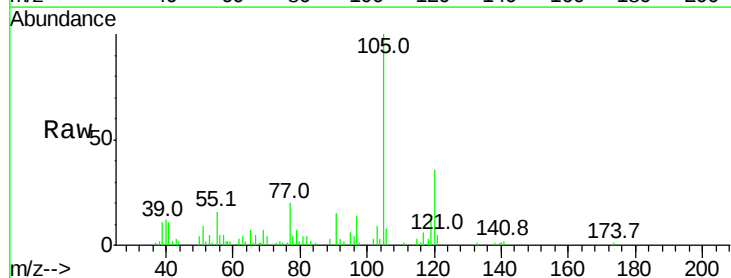
Ion Ratio Lower Upper

105 100

120 30.7 38.9 58.3#

91 11.4 30.6 46.0#

77 15.7 15.2 22.8



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

