

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031722\
 Data File : VL038628.D
 Acq On : 17 Mar 2022 16:14
 Operator : SY/AP
 Sample : N1976-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1ADUP

Quant Time: Mar 18 03:32:46 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	880557	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	2209292	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	1909691	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	1369197	9.43	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	20920	0.16	ppbv	94
3) Chlorodifluoromethane	3.00	51	1238028	7.97	ppbv	97
4) Chloromethane	3.15	50	31734	0.55	ppbv	99
9) Propene	3.21	41	288535	5.27	ppbv	93
10) Heptane	8.13	43	46879	0.36	ppbv	96
11) Trichlorofluoromethane	3.96	101	25075	0.22	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2602	0.03	ppbv #	1
13) Ethanol	3.63	45	13095185	2080.75	ppbv	97
15) Acetone	3.85	43	442154	7.12	ppbv #	72
16) 1,3-Butadiene	3.31	39	26862	0.54	ppbv #	9
17) tert-Butyl alcohol	4.32	59	7683	0.11	ppbv #	73
19) Isopropyl Alcohol	3.99	45	664400	16.02	ppbv	100
20) Methylene Chloride	4.35	84	88244	2.36	ppbv	93
21) Allyl Chloride	4.37	41	4600	0.08	ppbv #	1
23) Vinyl Acetate	5.07	43	21399	0.24	ppbv #	1
25) Ethyl Acetate	5.69	43	365947	1.75	ppbv #	94
26) Hexane	5.69	57	249708	2.54	ppbv #	73
29) Chloroform	5.76	83	7753	0.05	ppbv #	65
30) Cyclohexane	7.13	84	22625	0.27	ppbv #	25
31) cis-1,2-Dichloroethene	5.68	61	25432	0.27	ppbv #	26
34) 2-Butanone	5.25	43	64979	1.13	ppbv	93
35) Carbon Tetrachloride	7.03	117	4395	0.03	ppbv	98
36) Benzene	6.89	78	168600	0.85	ppbv	98
38) Trichloroethene	7.84	130	2883	0.04	ppbv #	80
39) 1,2-Dichloropropane	7.18	63	515076	6.72	ppbv #	27
40) 1,4-Dioxane	7.84	88	398	0.02	ppbv #	1
41) Tetrahydrofuran	6.06	42	1873	0.04	ppbv #	1
44) 2,2,4-Trimethylpentane	7.87	57	97043	0.29	ppbv #	76
50) 4-Methyl-2-Pentanone	8.75	43	9467	0.08	ppbv #	73
53) Toluene	9.81	91	926413	4.35	ppbv	99
58) Ethyl Benzene	12.71	91	56340	0.23	ppbv	93
59) m/p-Xylene	13.00	91	52433	0.25	ppbv #	30
60) o-Xylene	13.69	91	60529	0.30	ppbv	100
61) Styrene	13.54	104	6296	0.06	ppbv #	14
69) p-Isopropyltoluene	17.65	119	17354	0.06	ppbv #	58
71) 2-Chlorotoluene	15.77	91	7694	0.04	ppbv	91
72) 4-Ethyltoluene	15.84	105	8446	0.04	ppbv #	30
74) 1,2,4-Trimethylbenzene	16.77	105	18334	0.08	ppbv #	73
76) 1,4-Dichlorobenzene	17.14	146	3022	0.02	ppbv #	31

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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

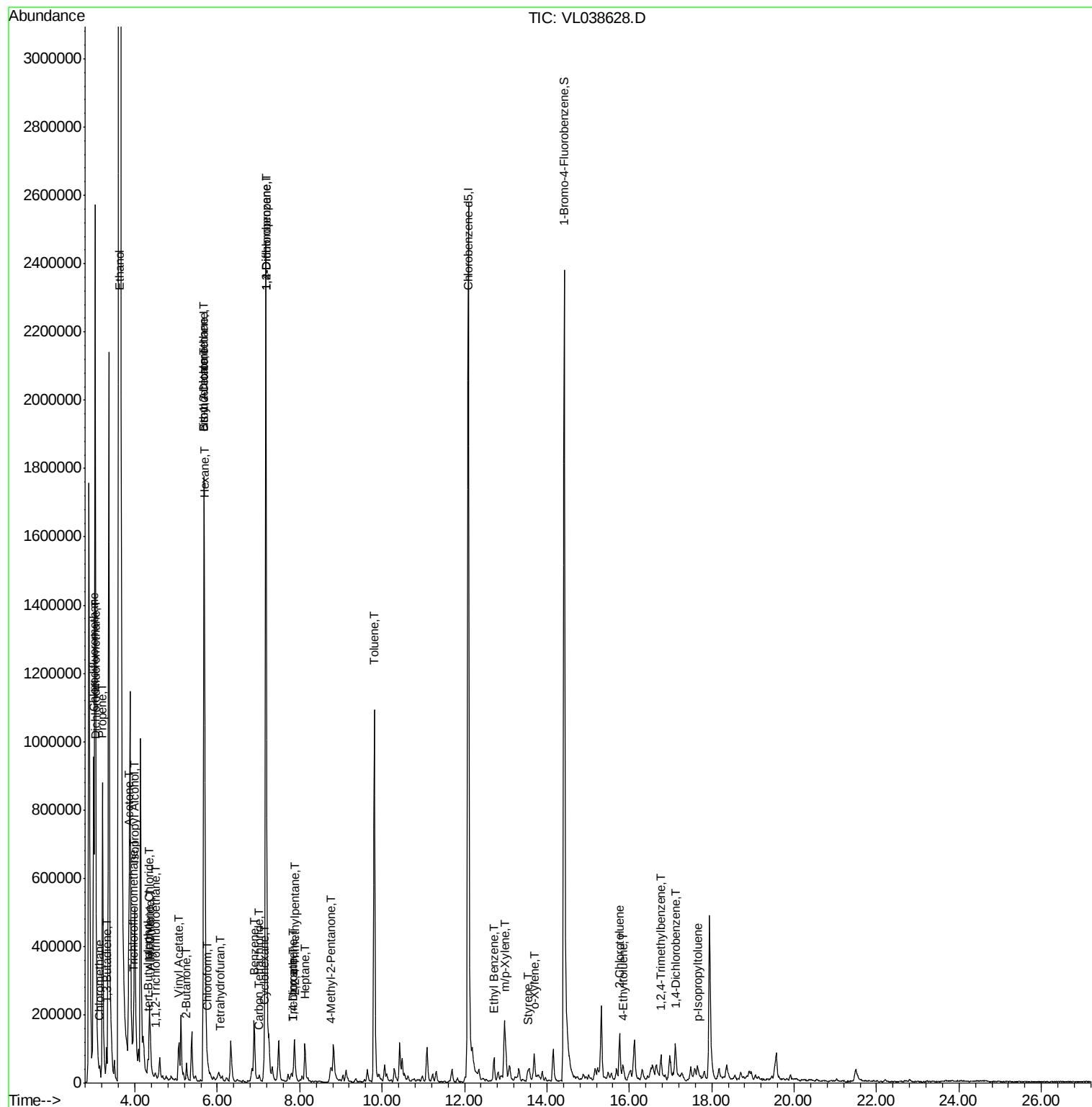
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

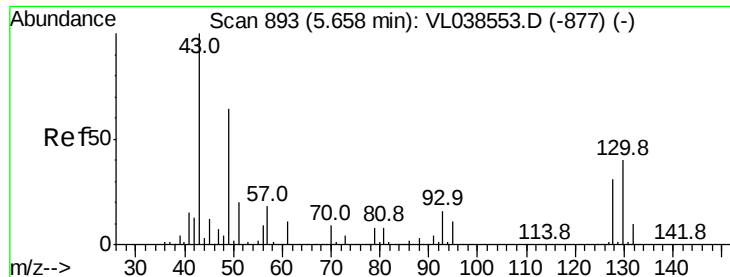
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#1

Bromochloromethane

Concen: 10.00 ppbv

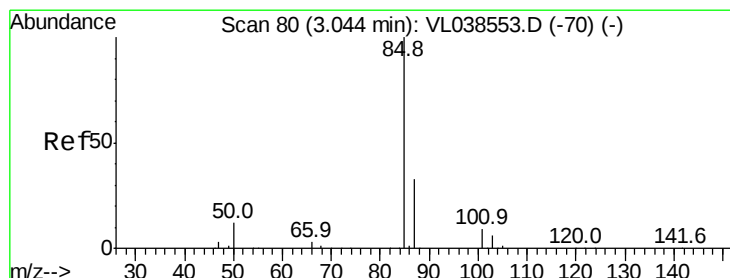
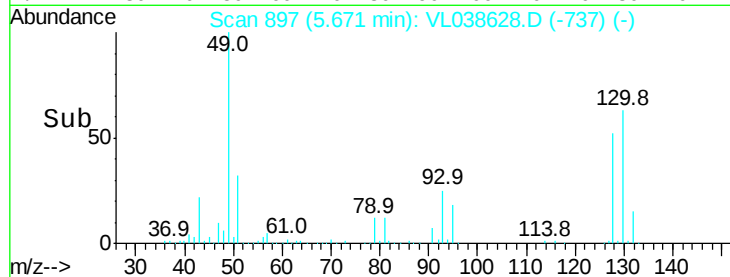
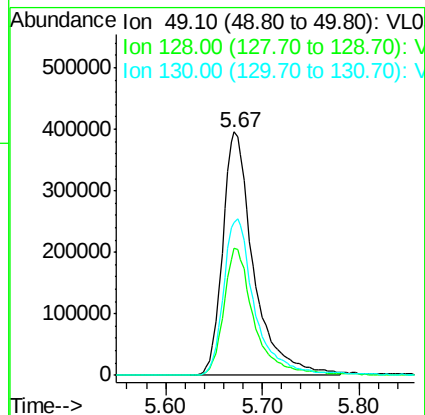
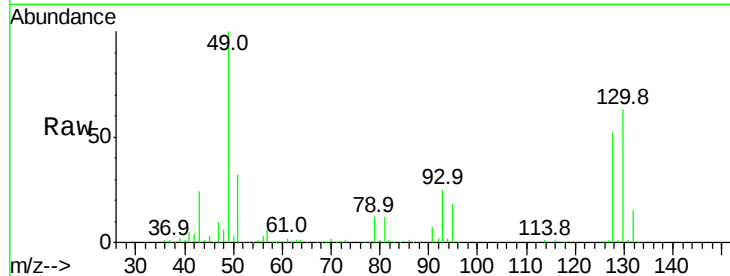
RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 16:14

Tgt Ion:	49	Resp:	880557
Ion Ratio	Lower	Upper	
49	100		
128	51.5	26.4	79.2
130	65.9	33.0	98.9



#2

Dichlorodifluoromethane

Concen: 0.16 ppbv

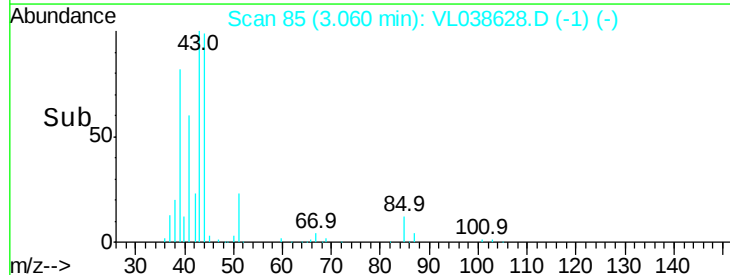
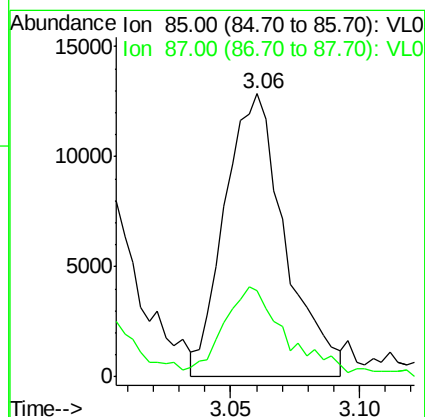
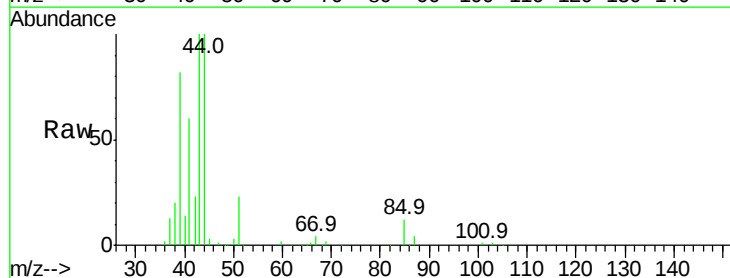
RT: 3.06 min Scan# 85

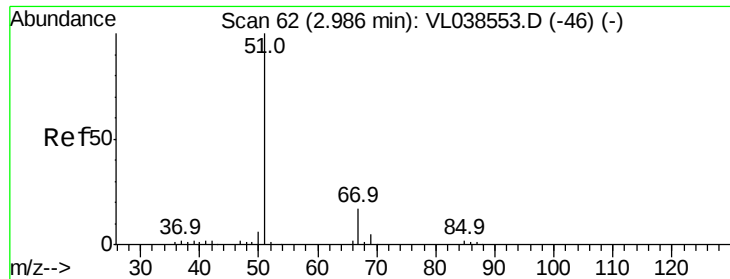
Delta R.T. 0.02 min

Lab File: VL038628.D

Acq: 17 Mar 2022 16:14

Tgt Ion:	85	Resp:	20920
Ion Ratio	Lower	Upper	
85	100		
87	29.6	26.2	39.2





#3

Chlorodifluoromethane

Concen: 7.97 ppbv

RT: 3.00 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-1ADUP

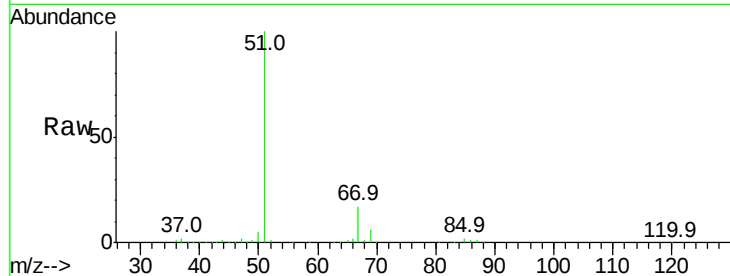
Acq: 17 Mar 2022 16:14

Tgt Ion: 51 Resp: 1238028

Ion Ratio Lower Upper

51 100

67 15.9 13.6 20.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.00

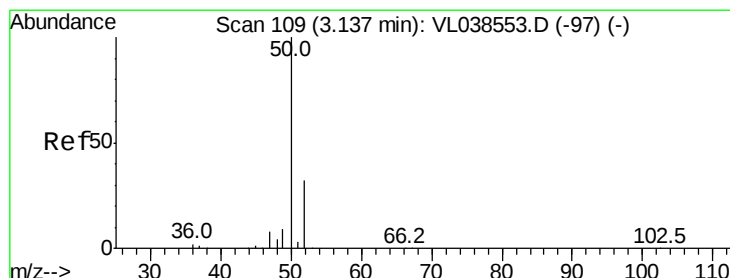
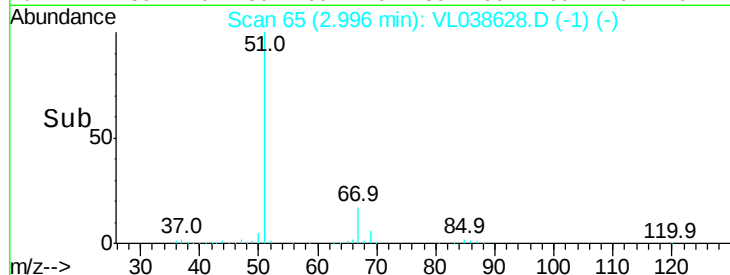
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 0.55 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL038628.D

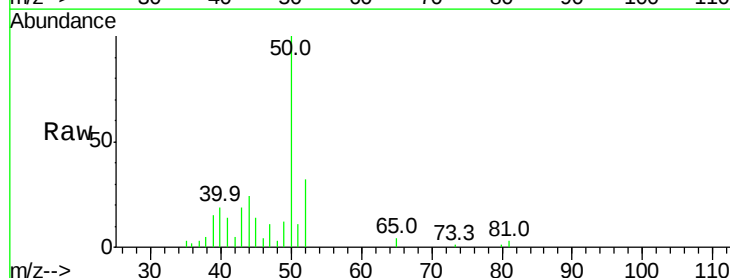
Acq: 17 Mar 2022 16:14

Tgt Ion: 50 Resp: 31734

Ion Ratio Lower Upper

50 100

52 31.7 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

20000

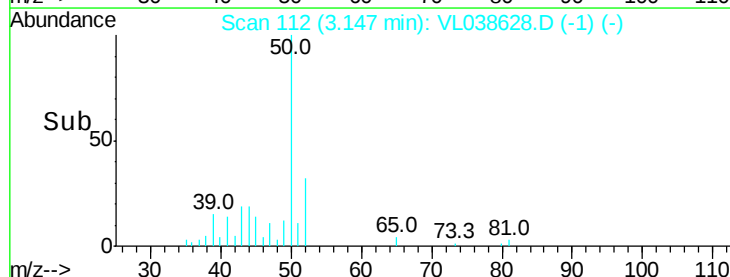
15000

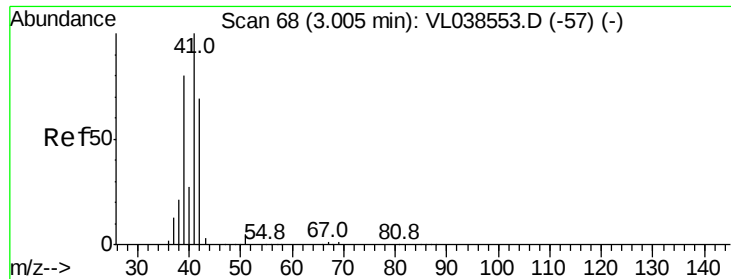
10000

5000

0

Time-->





#9

Propene

Concen: 5.27 ppbv

RT: 3.21 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

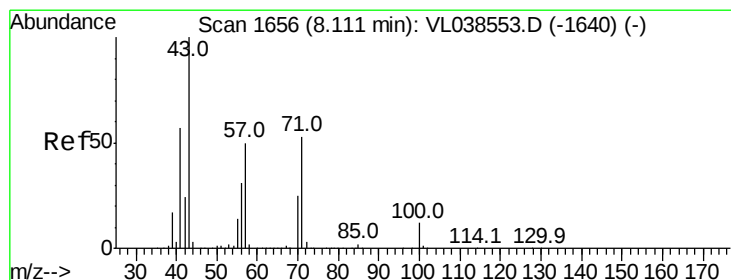
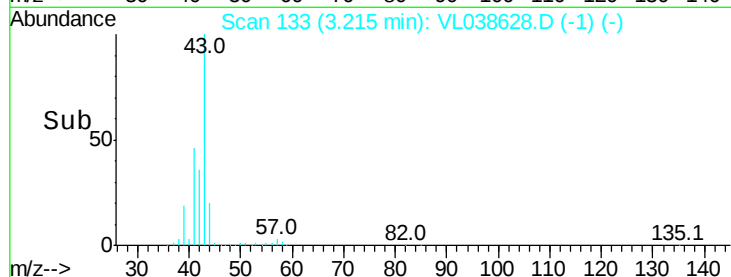
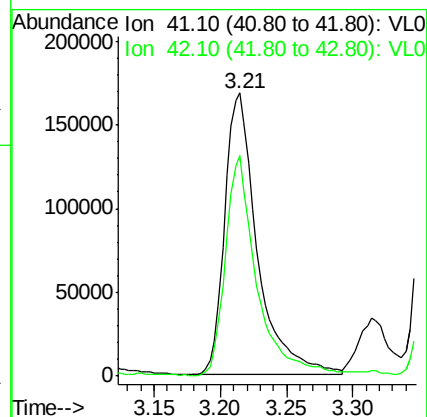
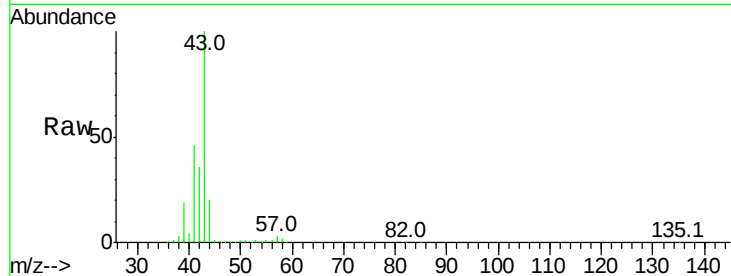
Acq: 17 Mar 2022 16:14

Tgt Ion: 41 Resp: 288535

Ion Ratio Lower Upper

41 100

42 75.6 55.7 83.5



#10

Heptane

Concen: 0.36 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.02 min

Lab File: VL038628.D

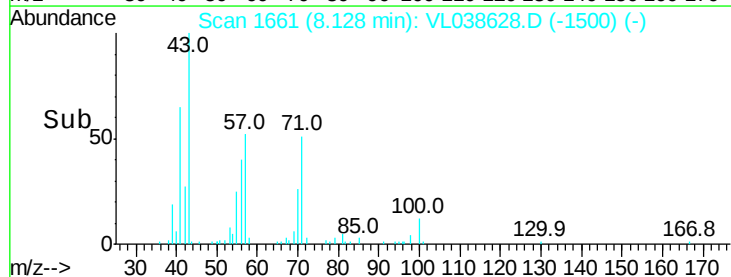
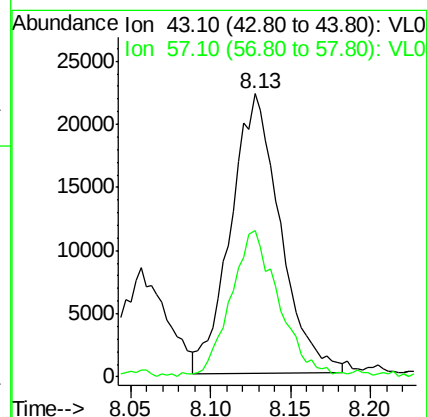
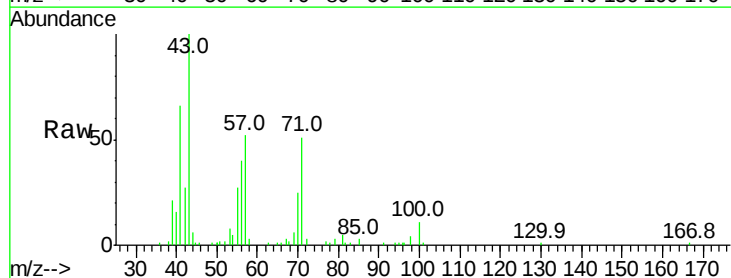
Acq: 17 Mar 2022 16:14

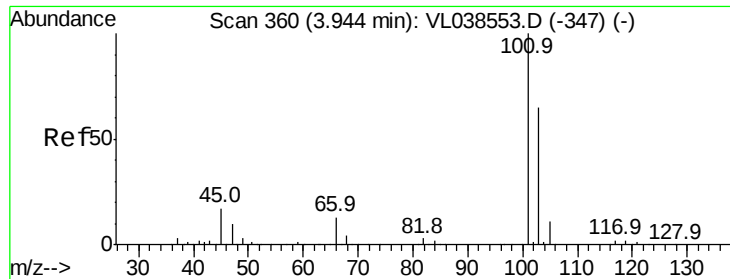
Tgt Ion: 43 Resp: 46879

Ion Ratio Lower Upper

43 100

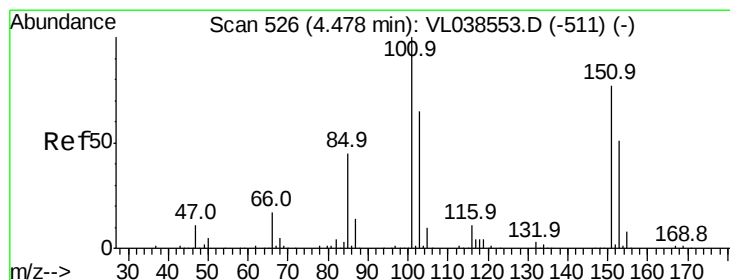
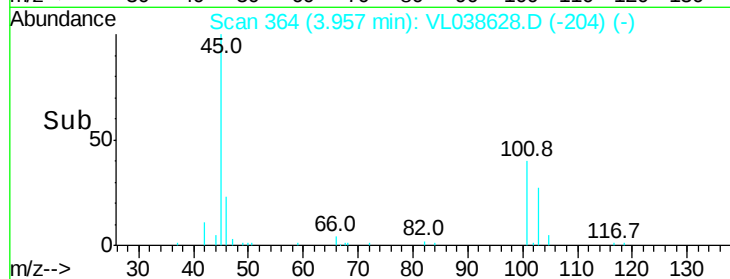
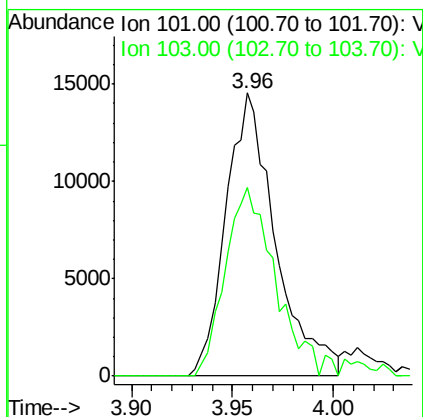
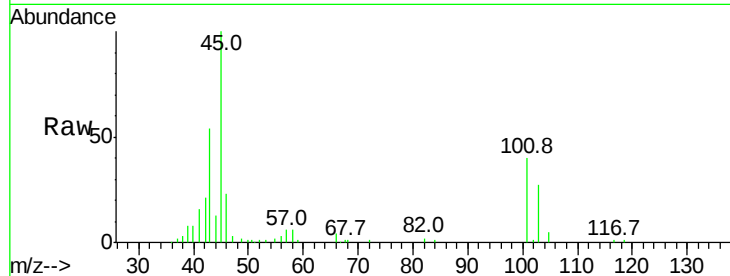
57 52.6 39.6 59.4





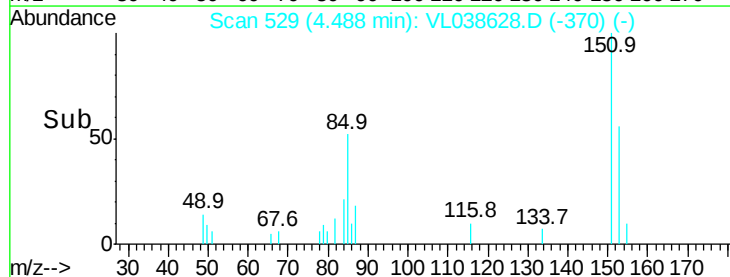
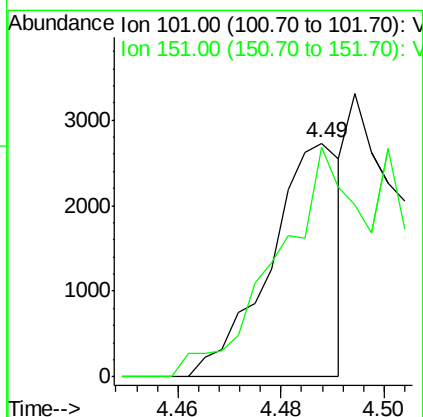
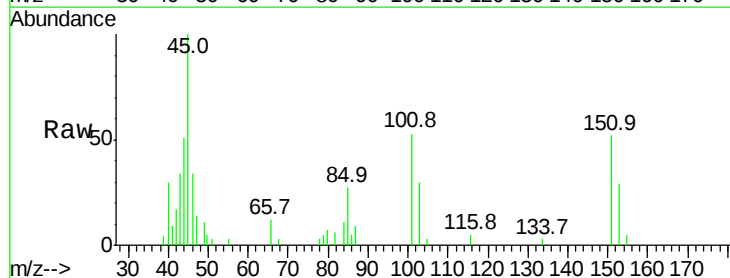
#11
 Trichlorofluoromethane
 Concen: 0.22 ppbv
 RT: 3.96
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 17 Mar 2022 16:14

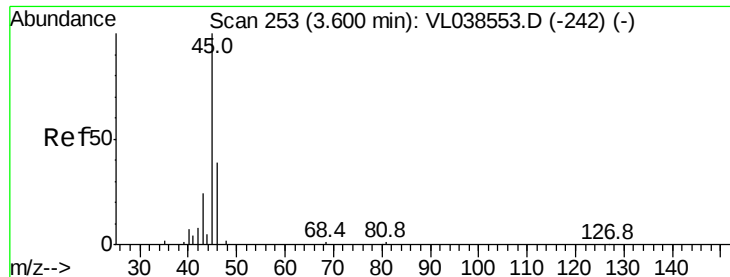
Tgt Ion:101 Resp: 25075
 Ion Ratio Lower Upper
 101 100
 103 66.8 52.0 78.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.03 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.01 min
 Lab File: VL038628.D
 Acq: 17 Mar 2022 16:14

Tgt Ion:101 Resp: 2602
 Ion Ratio Lower Upper
 101 100
 151 187.3 63.4 95.0#





#13

Ethanol

Concen: 2080.75 ppbv

RT: 3.63 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

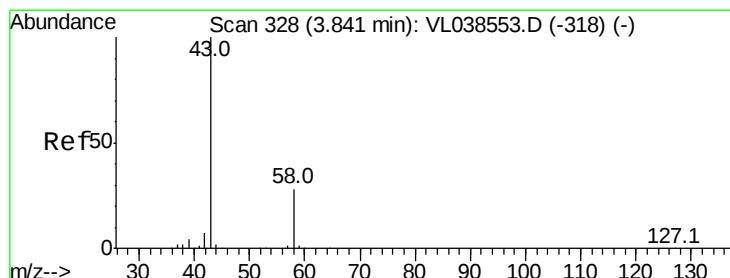
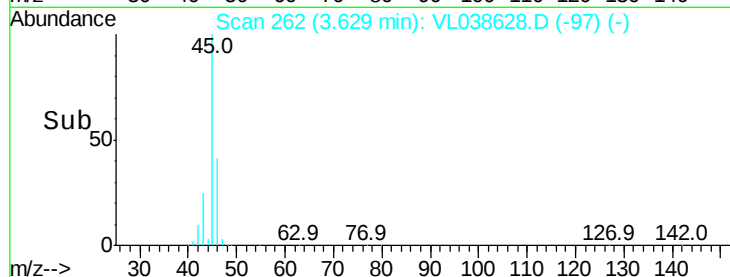
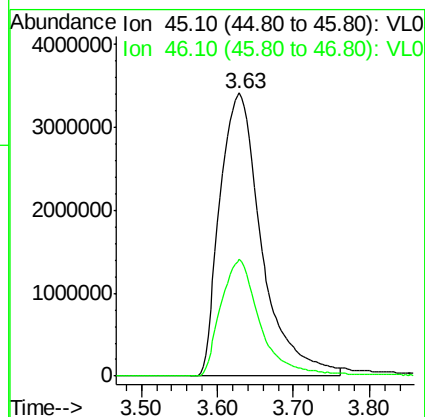
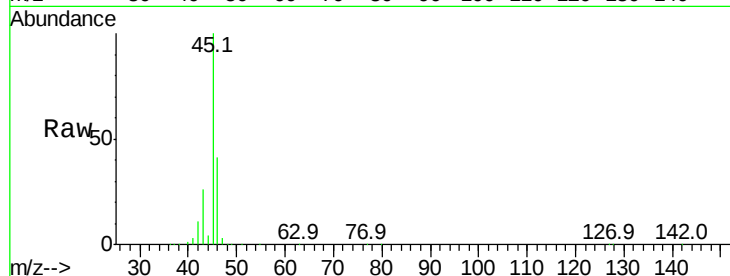
Acq: 17 Mar 2022 16:14

Tgt Ion: 45 Resp: 13095185

Ion Ratio Lower Upper

45 100

46 39.9 16.8 67.0



#15

Acetone

Concen: 7.12 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.01 min

Lab File: VL038628.D

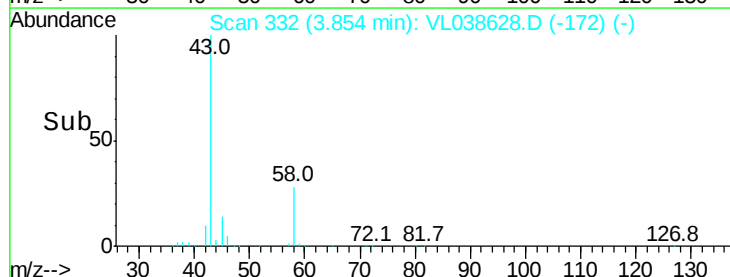
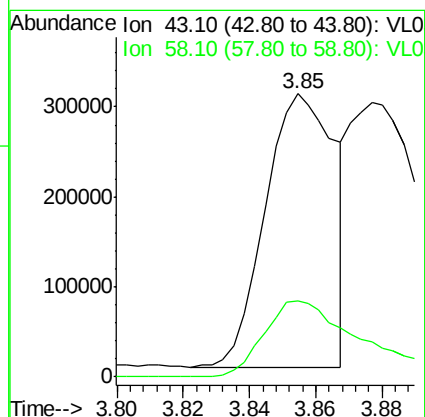
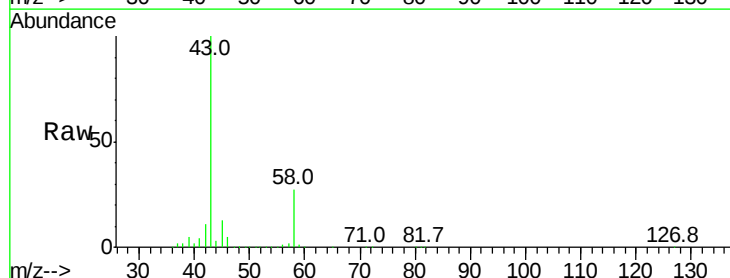
Acq: 17 Mar 2022 16:14

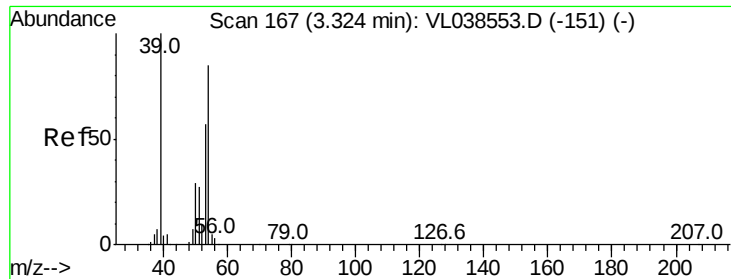
Tgt Ion: 43 Resp: 442154

Ion Ratio Lower Upper

43 100

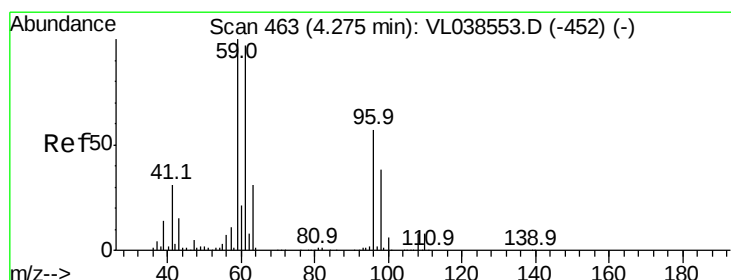
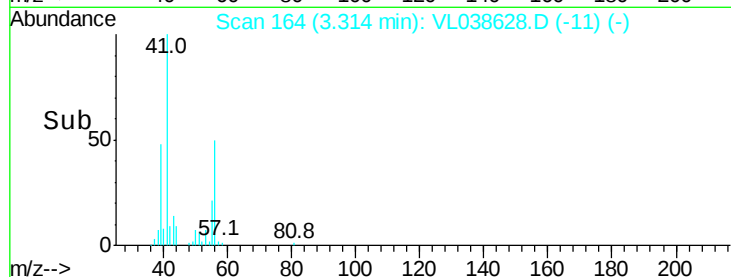
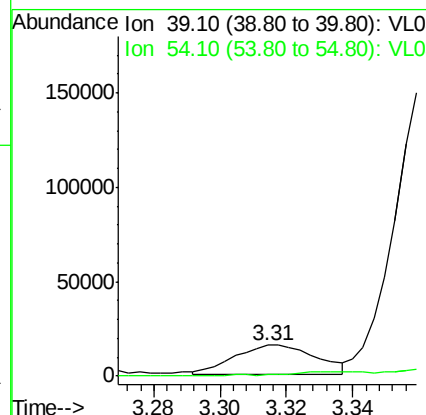
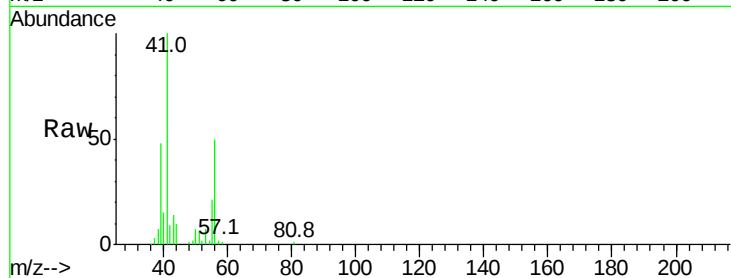
58 43.0 22.7 34.1#





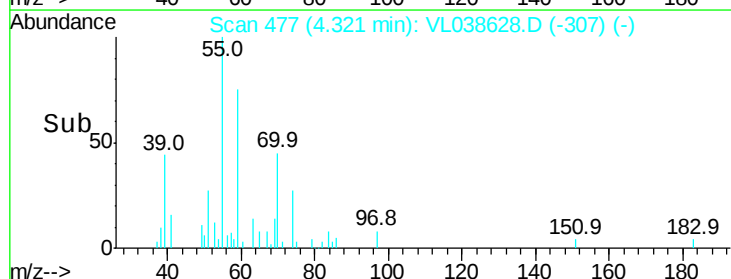
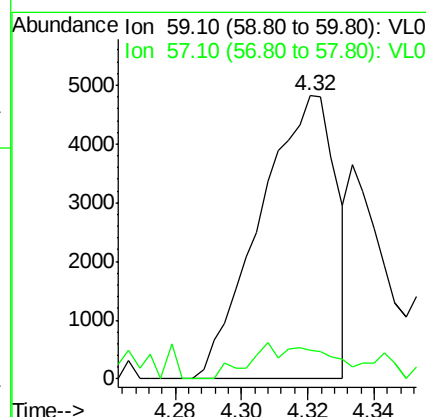
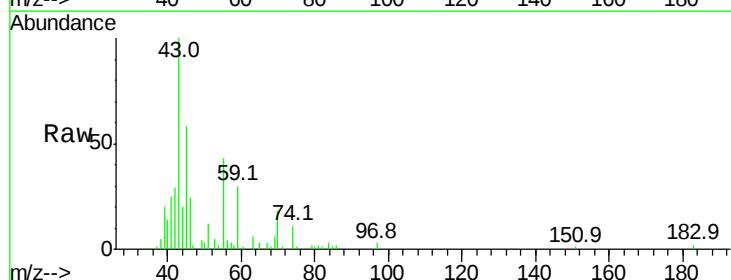
#16
 1,3-Butadiene
 Concen: 0.54 ppbv
 RT: 3.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 Mar 2022 16:14

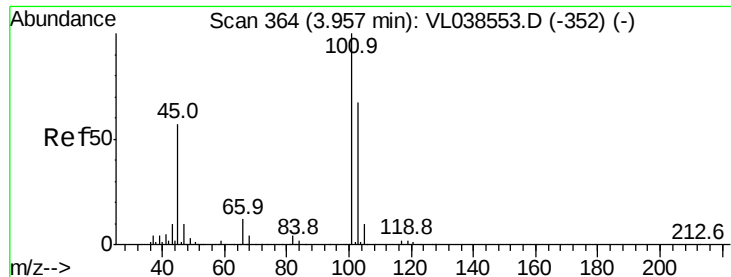
Tgt Ion: 39 Resp: 26862
 Ion Ratio Lower Upper
 39 100
 54 0.0 64.2 96.2#



#17
 tert-Butyl alcohol
 Concen: 0.11 ppbv
 RT: 4.32 min Scan# 477
 Delta R.T. 0.05 min
 Lab File: VL038628.D
 Acq: 17 Mar 2022 16:14

Tgt Ion: 59 Resp: 7683
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#





#19

Isopropyl Alcohol

Concen: 16.02 ppbv

RT: 3.99 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

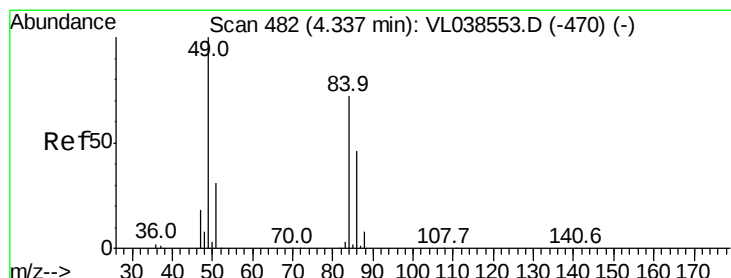
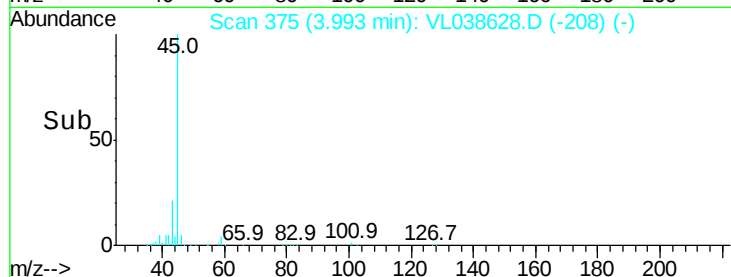
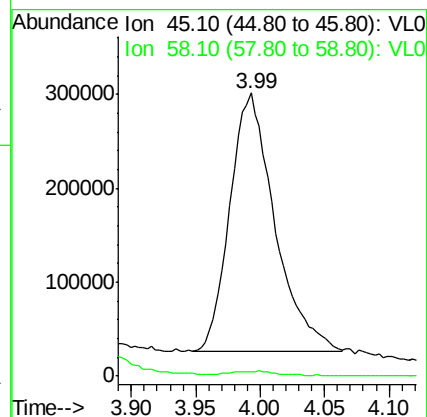
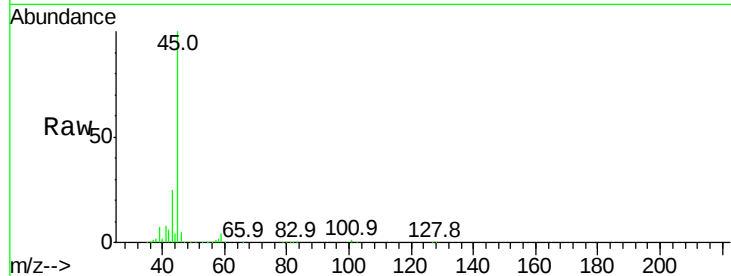
Acq: 17 Mar 2022 16:14

Tgt Ion: 45 Resp: 664400

Ion Ratio Lower Upper

45 100

58 2.6 2.2 3.2



#20

Methylene Chloride

Concen: 2.36 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL038628.D

Acq: 17 Mar 2022 16:14

Tgt Ion: 84 Resp: 88244

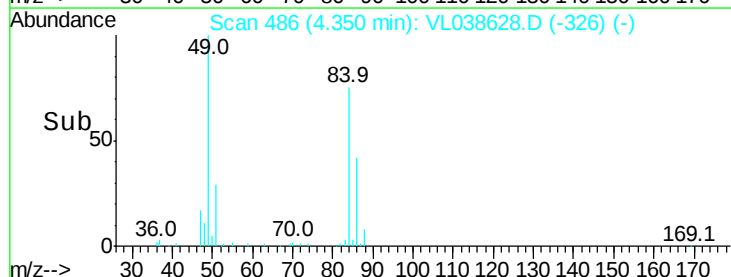
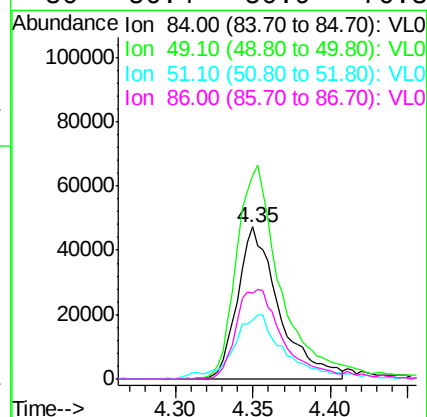
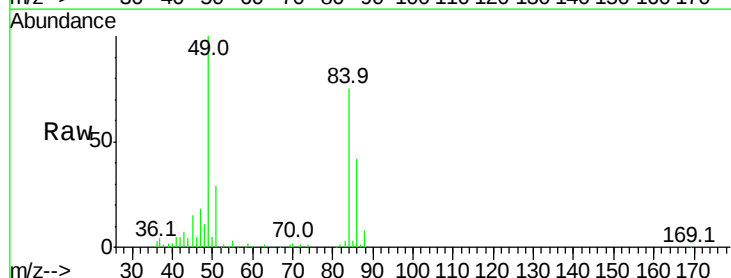
Ion Ratio Lower Upper

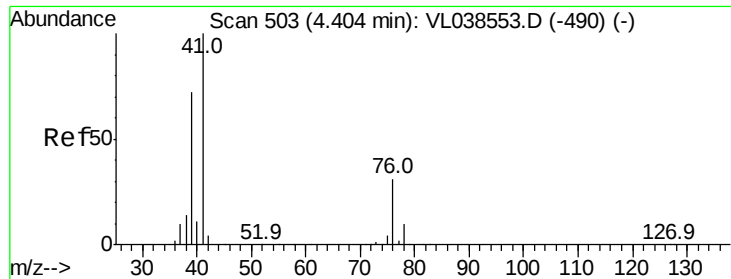
84 100

49 134.0 111.1 166.7

51 35.4 34.0 51.0

86 56.4 50.9 76.3





#21

Allyl Chloride

Concen: 0.08 ppbv

RT: 4.37

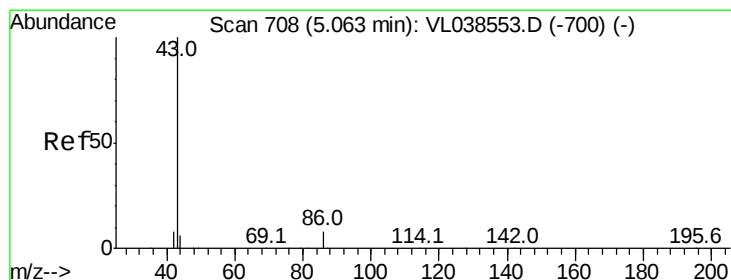
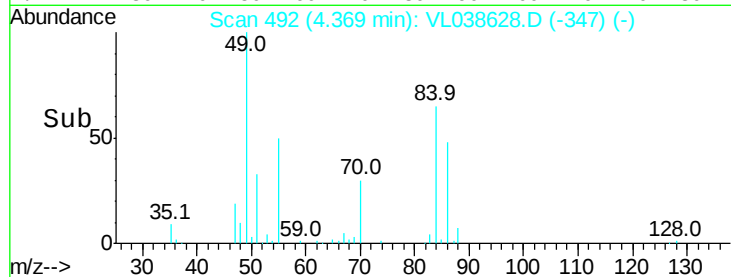
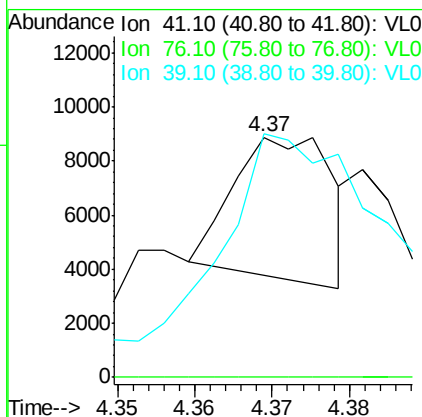
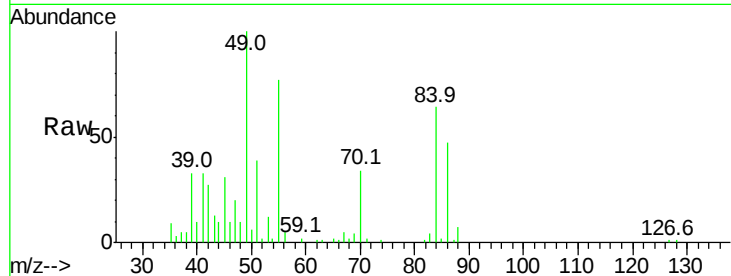
Delta R.T. MSVOA_L

Lab File: ClientSampleId : IA-1ADUP

Acq: 17 Mar 2022 16:14

Tgt Ion: 41 Resp: 4600

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.3	36.5#
39	423.6	57.1	85.7#



#23

Vinyl Acetate

Concen: 0.24 ppbv

RT: 5.07 min Scan# 709

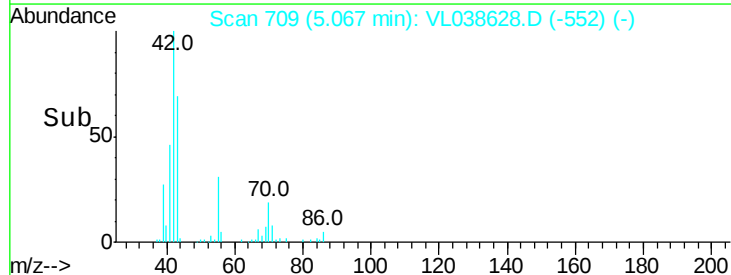
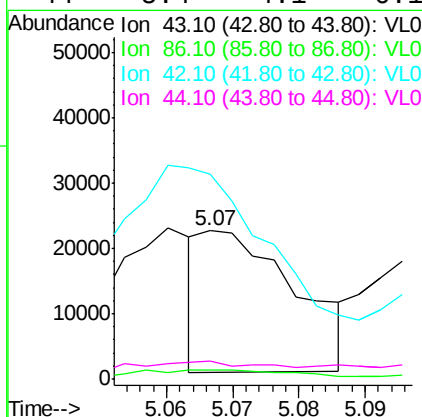
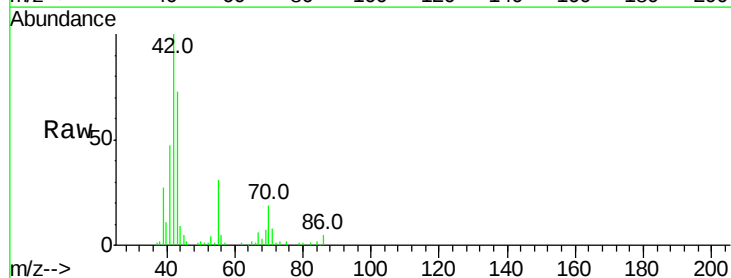
Delta R.T. 0.00 min

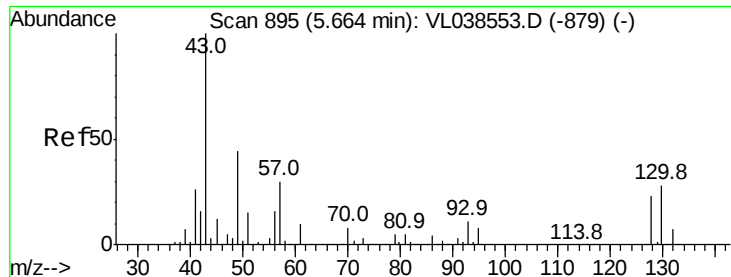
Lab File: VL038628.D

Acq: 17 Mar 2022 16:14

Tgt Ion: 43 Resp: 21399

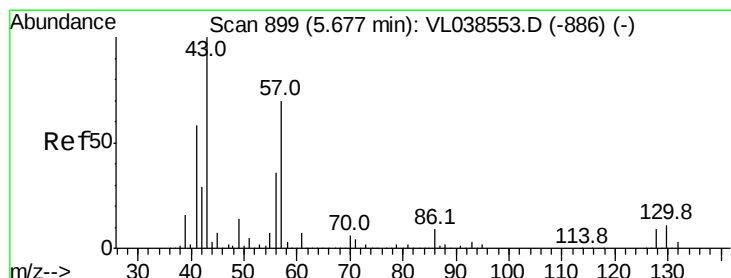
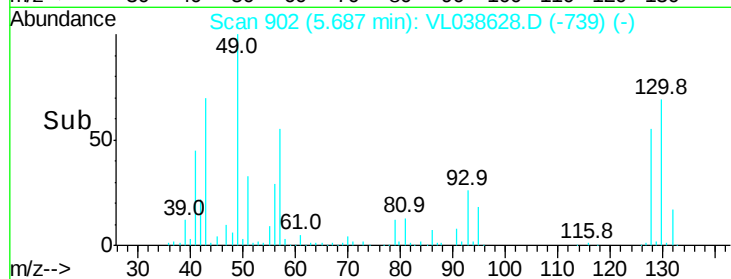
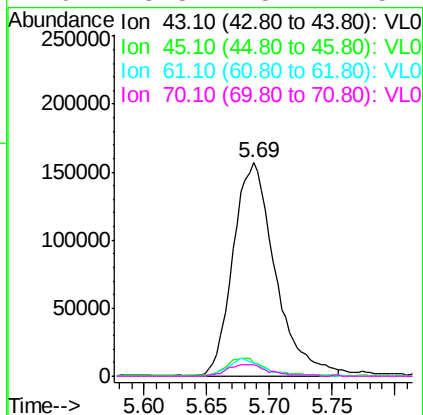
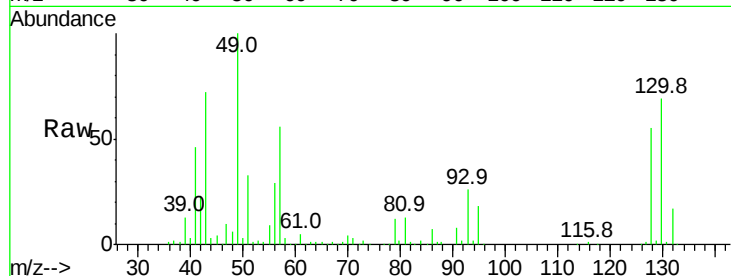
Ion	Ratio	Lower	Upper
43	100		
86	9.0	5.6	8.4#
42	195.1	7.1	10.7#
44	5.4	4.1	6.1





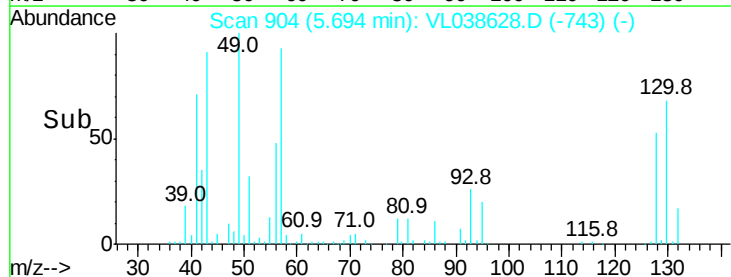
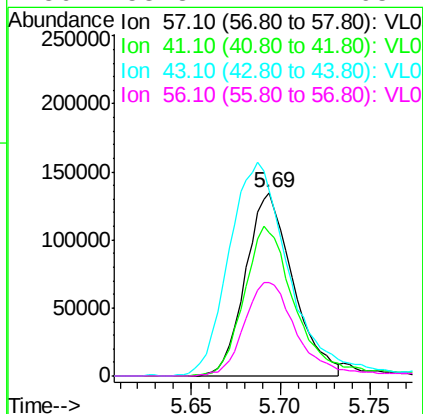
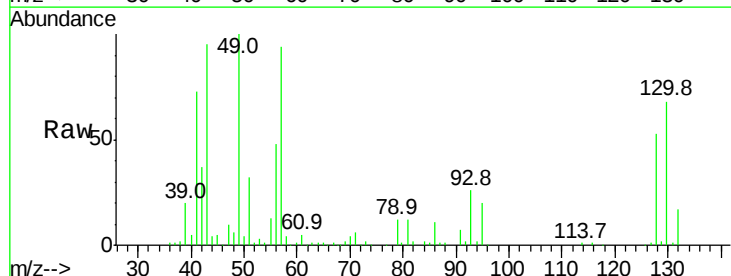
#25
Ethyl Acetate
Concen: 1.75 ppbv
RT: 5.69 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Mar 2022 16:14

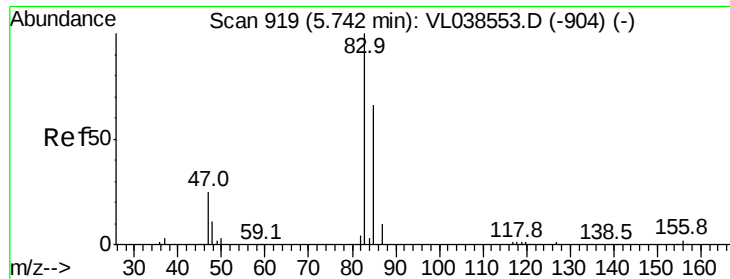
Tgt Ion:	43	Resp:	365947
Ion	Ratio	Lower	Upper
43	100		
45	7.4	8.0	12.0#
61	7.2	8.2	12.4#
70	5.8	5.4	8.2



#26
Hexane
Concen: 2.54 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.02 min
Lab File: VL038628.D
Acq: 17 Mar 2022 16:14

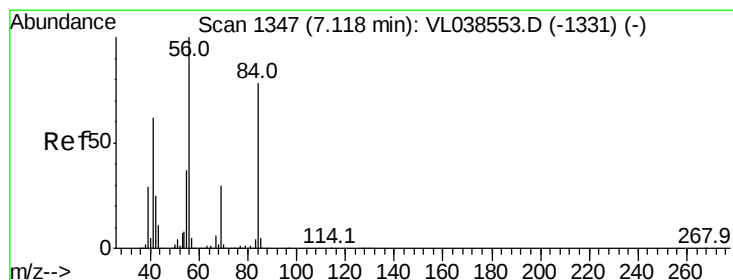
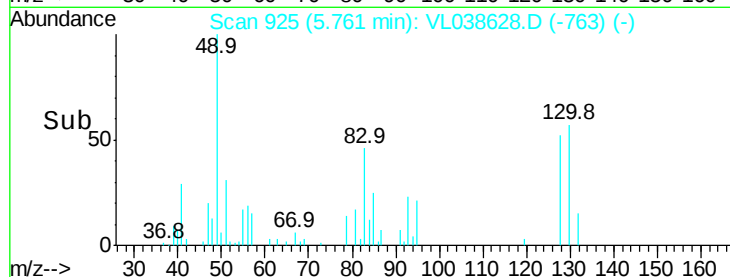
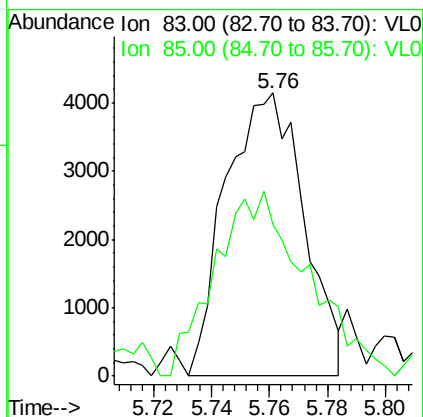
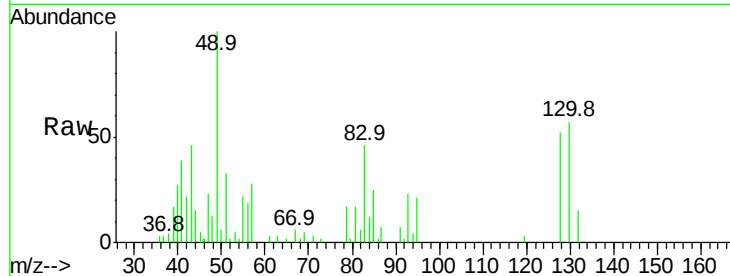
Tgt Ion:	57	Resp:	249708
Ion	Ratio	Lower	Upper
57	100		
41	90.5	67.8	101.6
43	152.6	173.6	260.4#
56	58.3	42.2	63.2





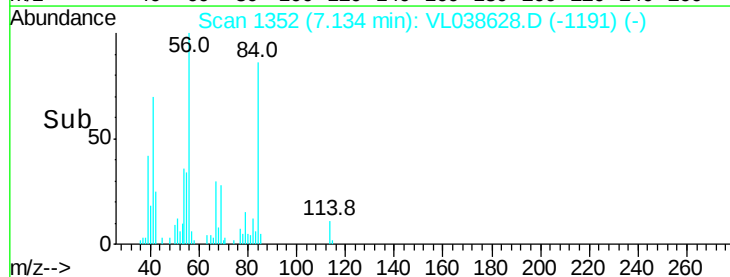
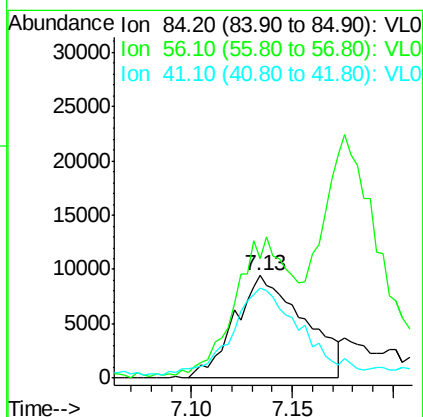
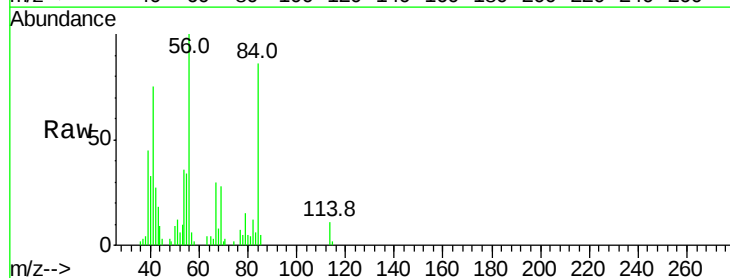
#29
Chloroform
Concen: 0.05 ppbv
RT: 5.76 Instrument: MSVOA_1
Delta R.T.: ClientSampleId:
Lab File: IA-1ADUP
Acq: 17 Mar 2022 16:14

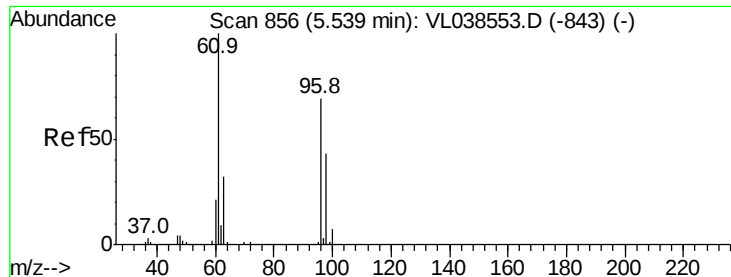
Tgt Ion: 83 Resp: 7753
Ion Ratio Lower Upper
83 100
85 38.0 52.8 79.2#



#30
Cyclohexane
Concen: 0.27 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.02 min
Lab File: VL038628.D
Acq: 17 Mar 2022 16:14

Tgt Ion: 84 Resp: 22625
Ion Ratio Lower Upper
84 100
56 0.0 111.4 167.0#
41 89.2 65.5 98.3





#31

cis-1,2-Dichloroethene

Concen: 0.27 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 17 Mar 2022 16:14

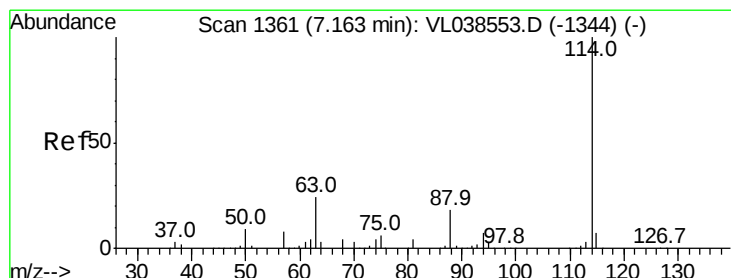
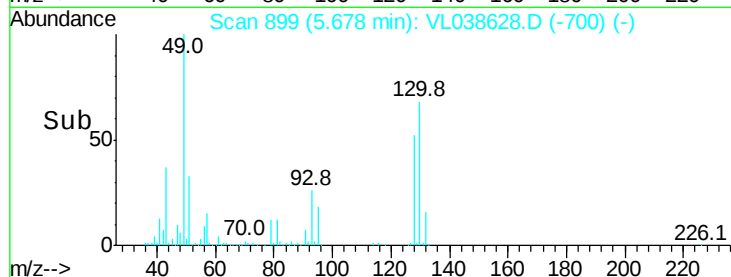
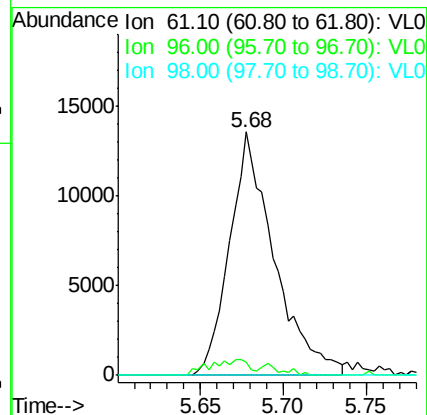
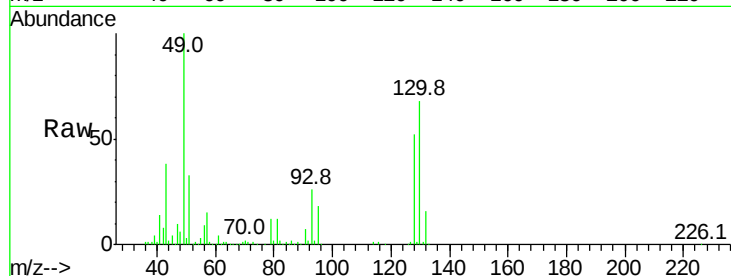
Tgt Ion: 61 Resp: 25432

Ion Ratio Lower Upper

61 100

96 5.4 55.2 82.8#

98 0.0 34.2 51.4#



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.02 min

Lab File: VL038628.D

Acq: 17 Mar 2022 16:14

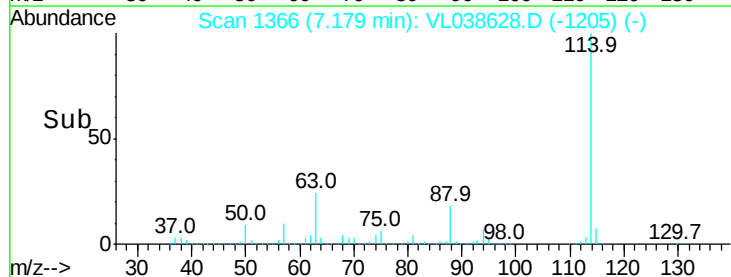
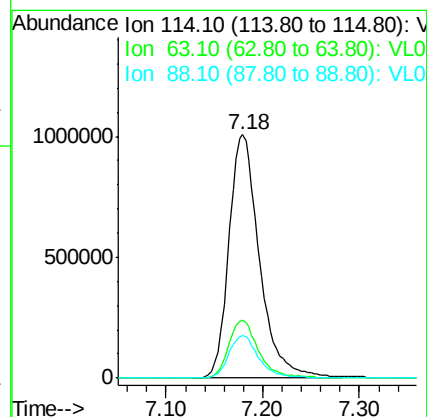
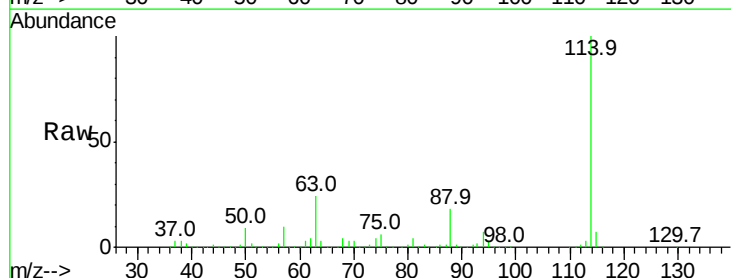
Tgt Ion: 114 Resp: 2209292

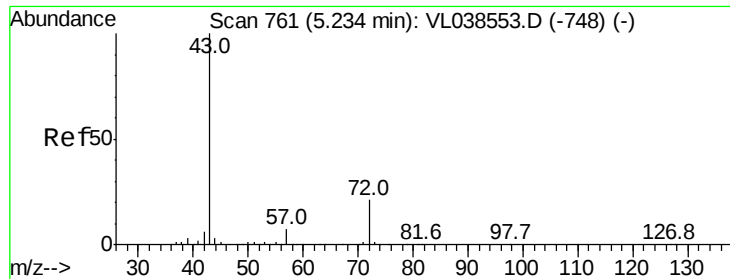
Ion Ratio Lower Upper

114 100

63 23.6 19.6 29.4

88 17.4 13.9 20.9





#34

2-Butanone

Concen: 1.13 ppbv

RT: 5.25 Instrument: MSVOA_1

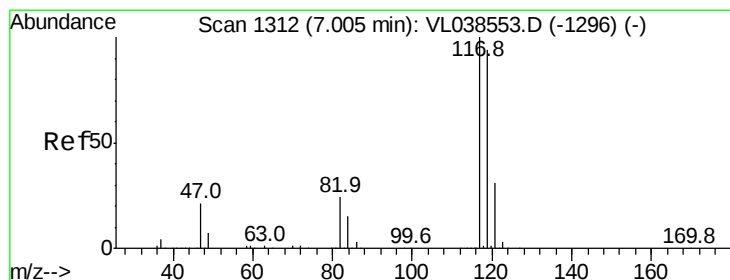
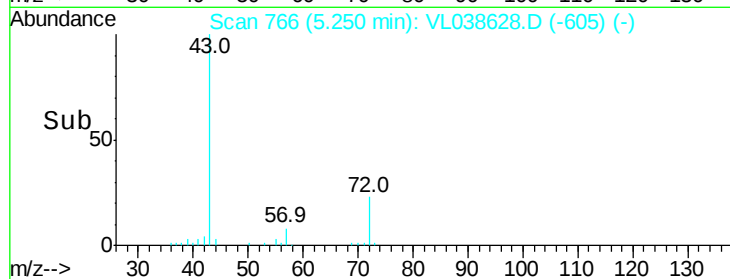
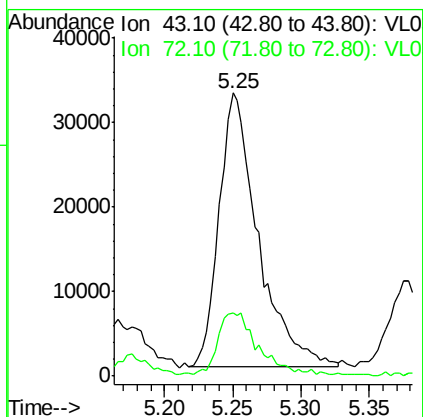
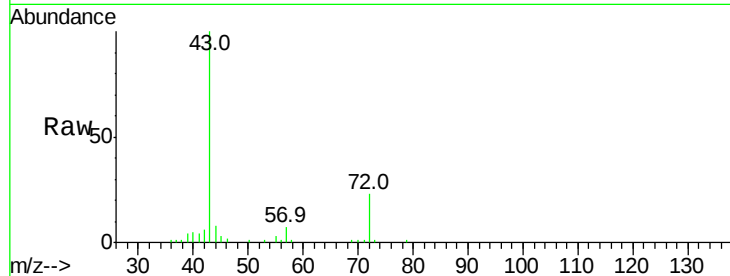
Delta R.T. ClientSampleId:

Lab File: IA-1ADUP

Acq: 17 Mar 2022 16:14

Tgt Ion: 43 Resp: 64979

Ion	Ratio	Lower	Upper
43	100		
72	25.4	17.8	26.6



#35

Carbon Tetrachloride

Concen: 0.03 ppbv

RT: 7.03 min Scan# 1319

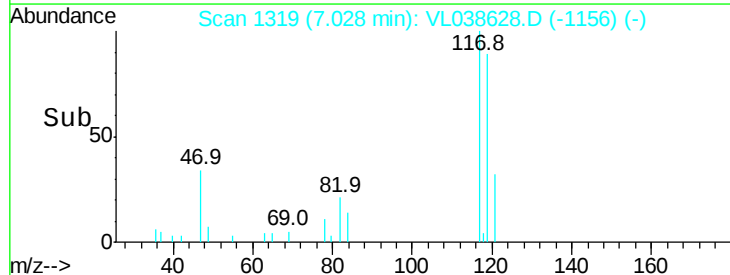
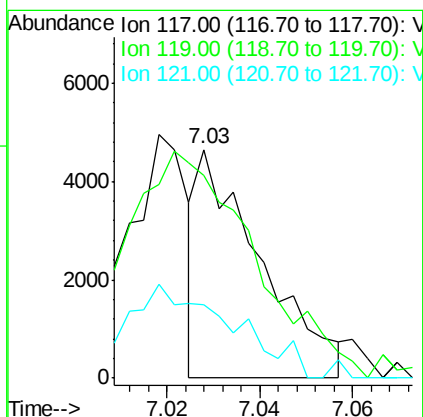
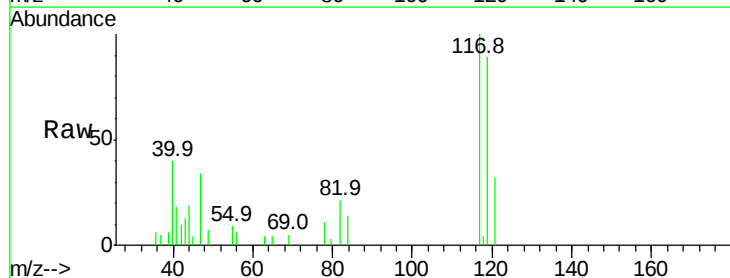
Delta R.T. 0.02 min

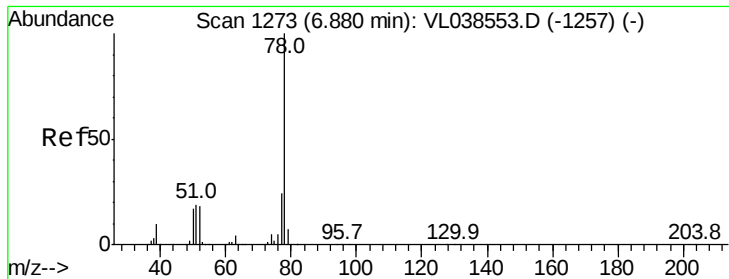
Lab File: VL038628.D

Acq: 17 Mar 2022 16:14

Tgt Ion: 117 Resp: 4395

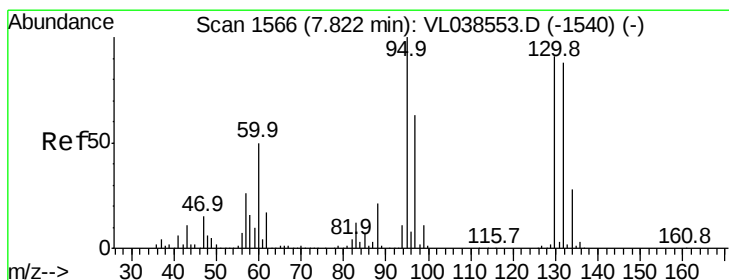
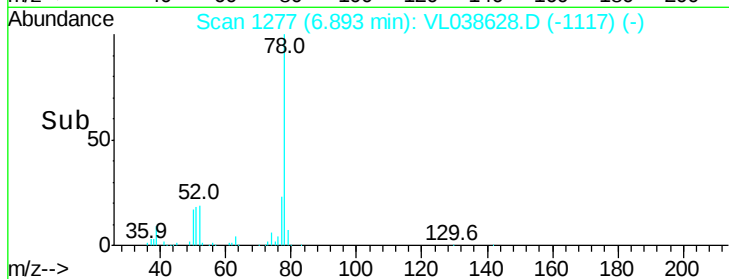
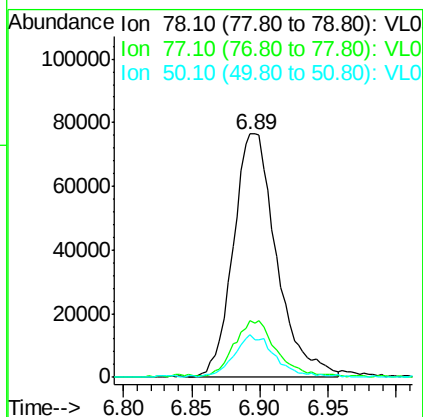
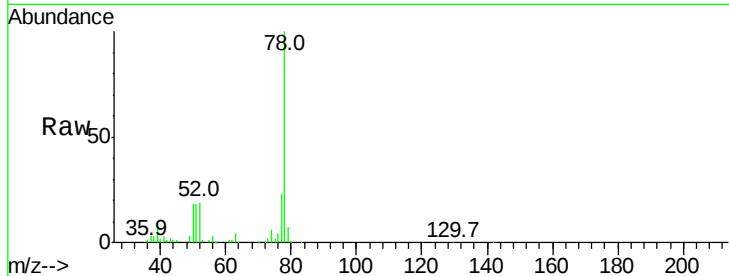
Ion	Ratio	Lower	Upper
117	100		
119	92.1	75.2	112.8
121	28.8	24.8	37.2





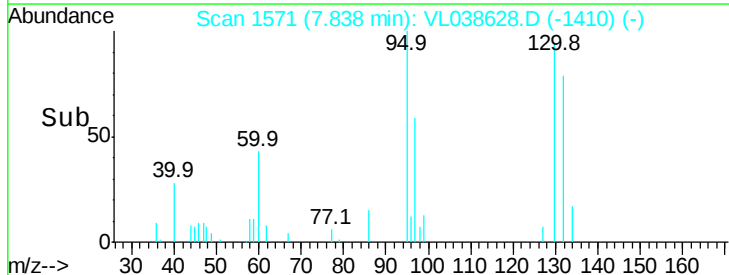
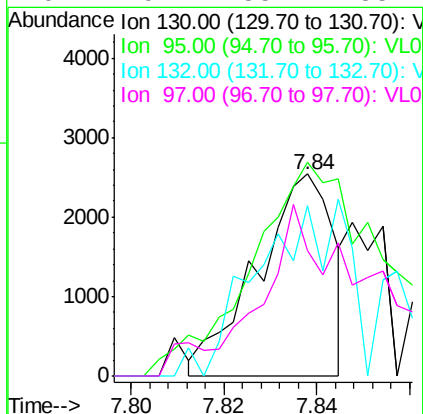
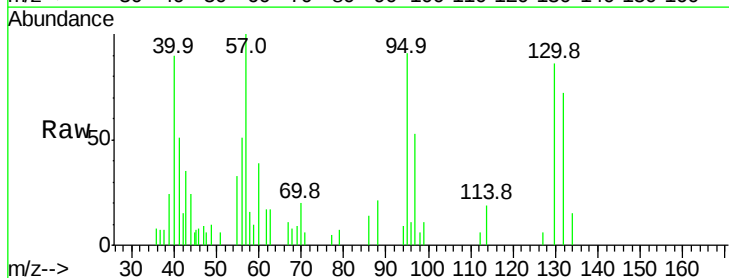
#36
Benzene
Concen: 0.85 ppbv
RT: 6.89
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Mar 2022 16:14

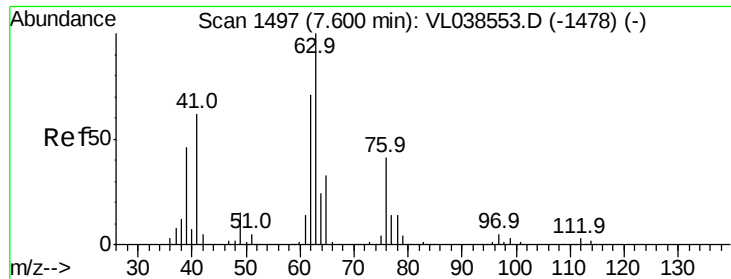
Tgt Ion: 78 Resp: 168600
Ion Ratio Lower Upper
78 100
77 22.5 19.0 28.4
50 16.6 13.9 20.9



#38
Trichloroethene
Concen: 0.04 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. 0.02 min
Lab File: VL038628.D
Acq: 17 Mar 2022 16:14

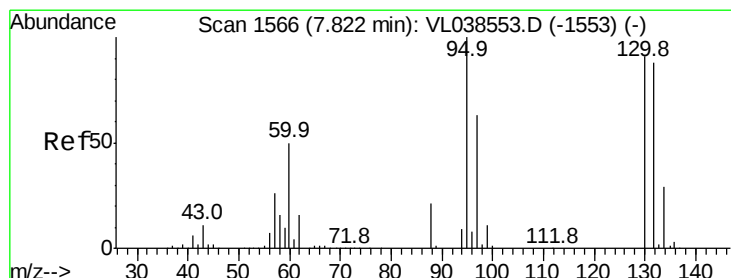
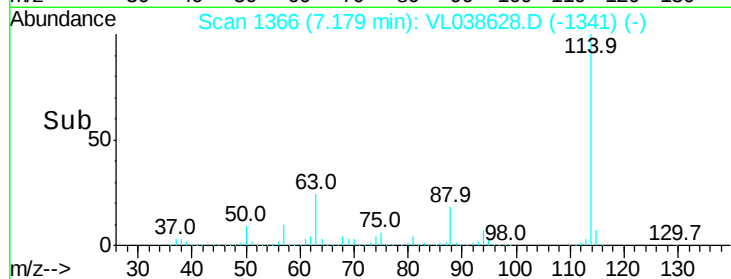
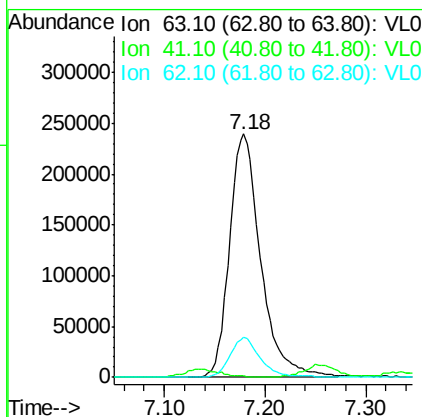
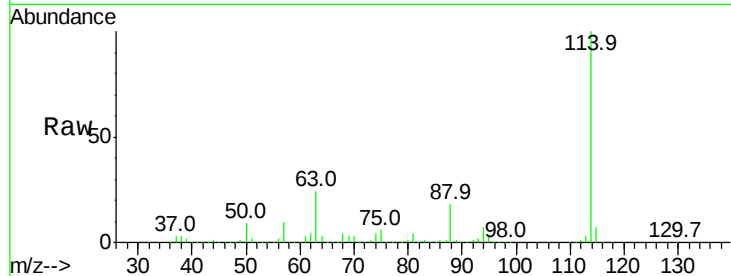
Tgt Ion:130 Resp: 2883
Ion Ratio Lower Upper
130 100
95 92.5 87.8 131.8
132 75.8 77.5 116.3#
97 49.2 55.4 83.2#





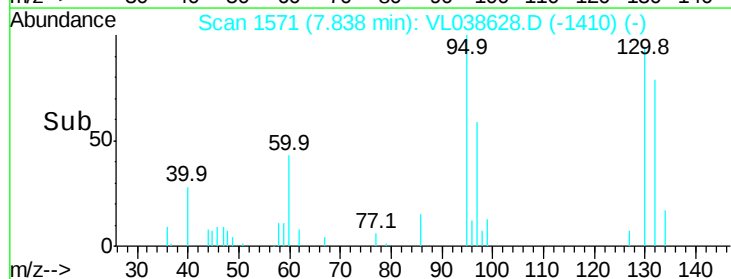
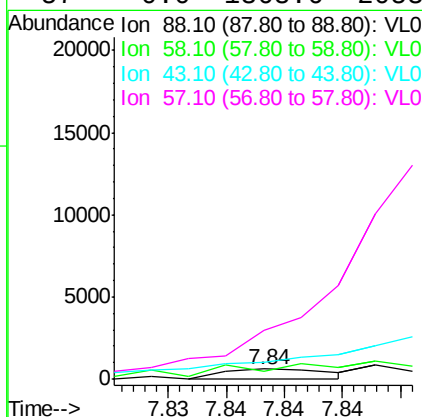
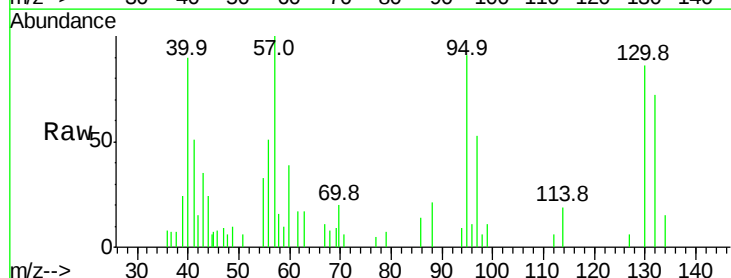
#39
 1,2-Dichloropropane
 Concen: 6.72 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 Mar 2022 16:14

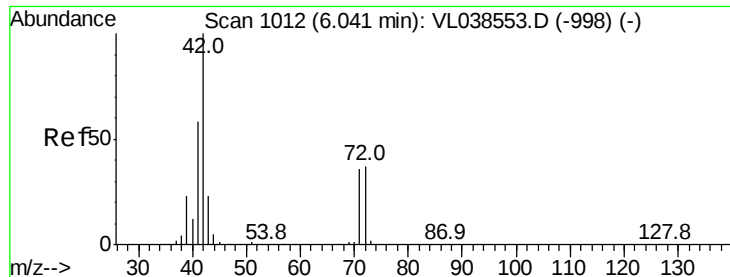
Tgt Ion: 63 Resp: 515076
 Ion Ratio Lower Upper
 63 100
 41 0.0 49.8 74.6#
 62 16.6 56.7 85.1#



#40
 1,4-Dioxane
 Concen: 0.02 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.02 min
 Lab File: VL038628.D
 Acq: 17 Mar 2022 16:14

Tgt Ion: 88 Resp: 398
 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: 0.04 ppbv

RT: 6.06 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 16:14

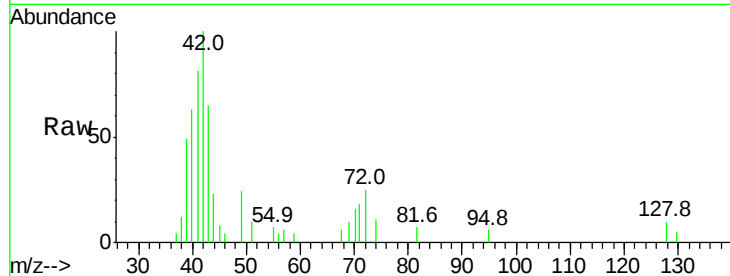
Tgt Ion: 42 Resp: 1873

Ion Ratio Lower Upper

42 100

72 172.0 30.9 46.3#

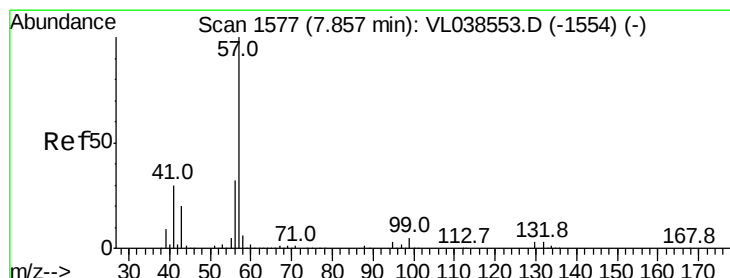
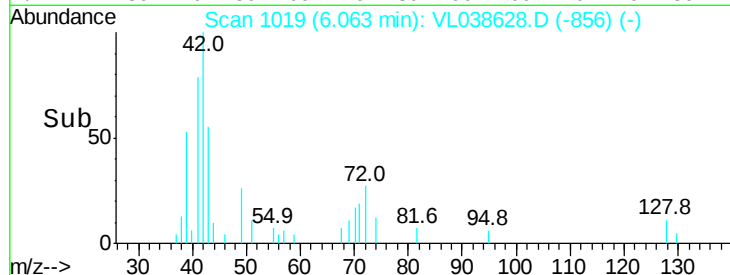
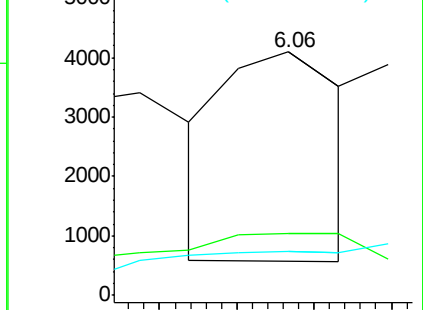
71 0.0 29.1 43.7#



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: VL038628.D

Acq: 17 Mar 2022 16:14

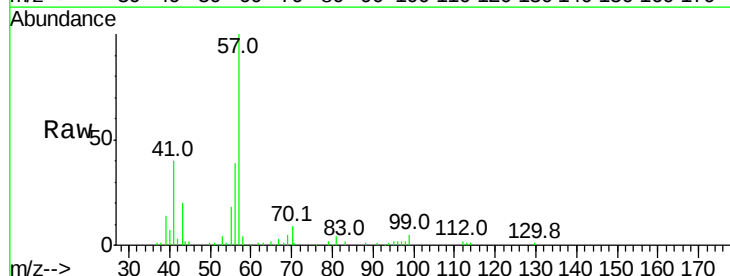
Tgt Ion: 57 Resp: 97043

Ion Ratio Lower Upper

57 100

41 43.4 24.0 36.0#

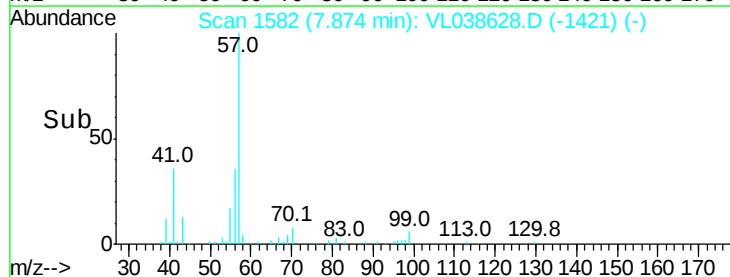
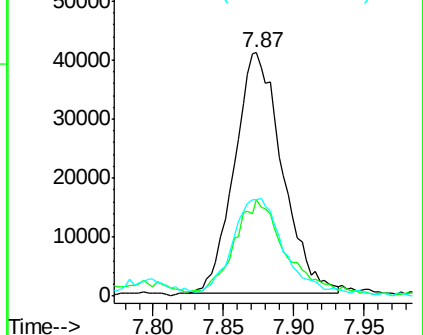
56 45.3 25.6 38.4#

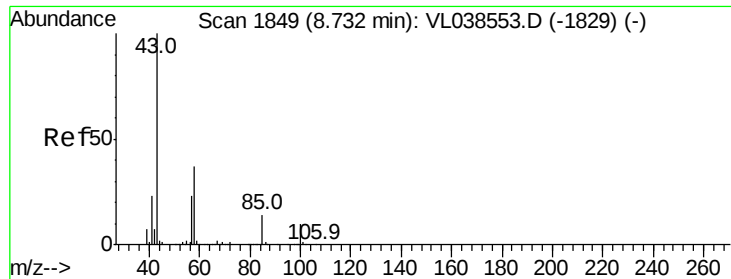


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

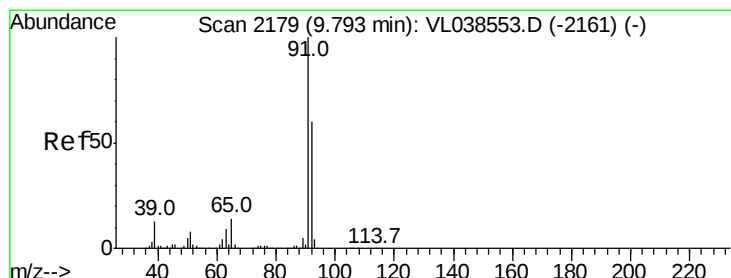
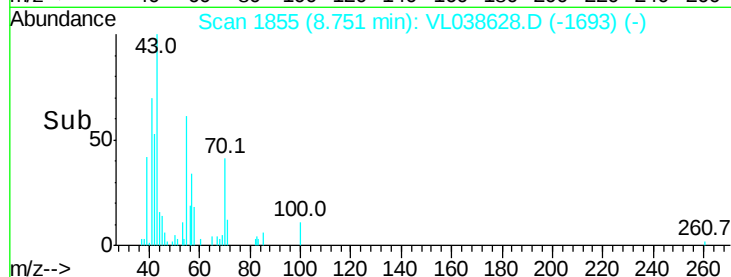
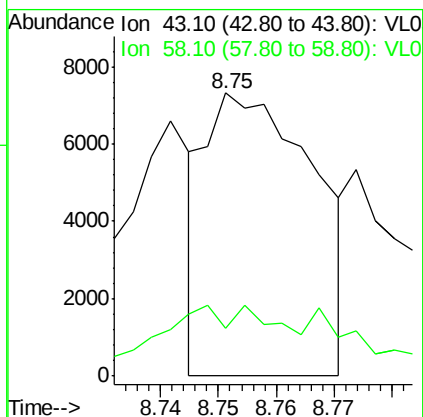
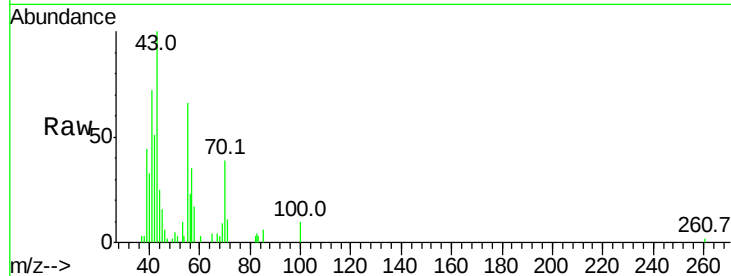
Ion 56.10 (55.80 to 56.80): VL0





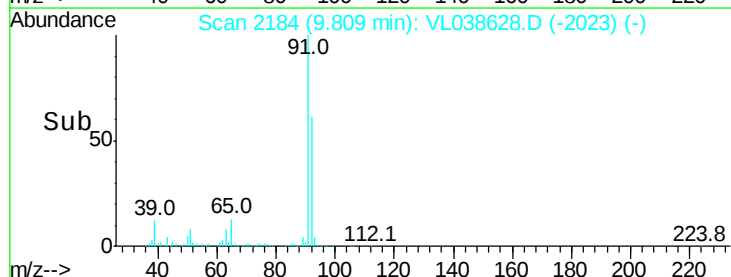
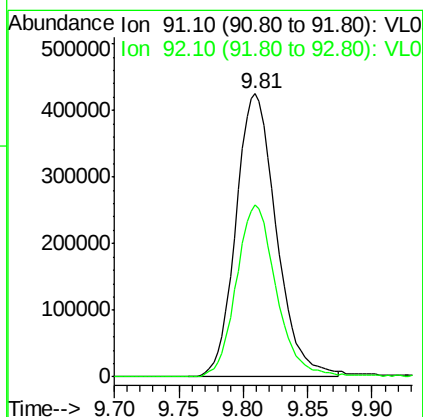
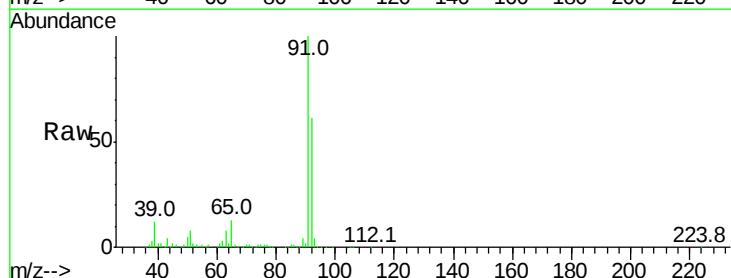
#50
 4-Methyl-2-Pentanone
 Concen: 0.08 ppbv
 RT: 8.75
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 17 Mar 2022 16:14

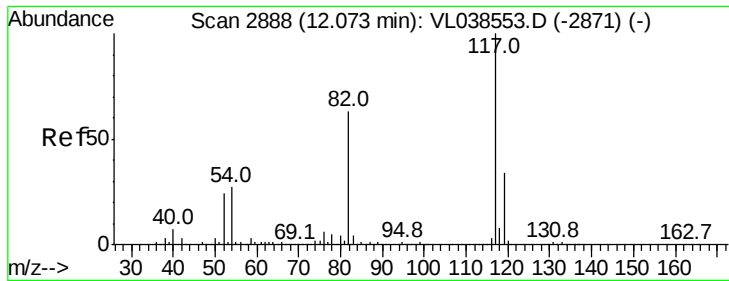
Tgt Ion: 43 Resp: 9467
 Ion Ratio Lower Upper
 43 100
 58 52.6 29.2 43.8#



#53
 Toluene
 Concen: 4.35 ppbv
 RT: 9.81 min Scan# 2184
 Delta R.T. 0.02 min
 Lab File: VL038628.D
 Acq: 17 Mar 2022 16:14

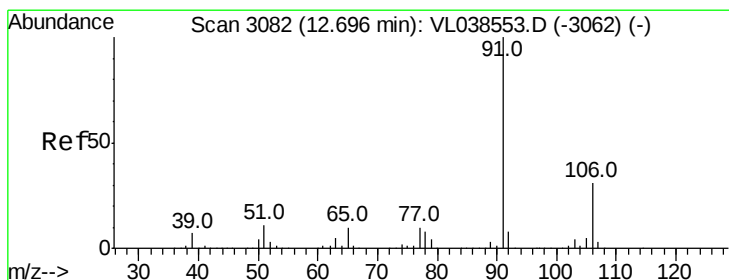
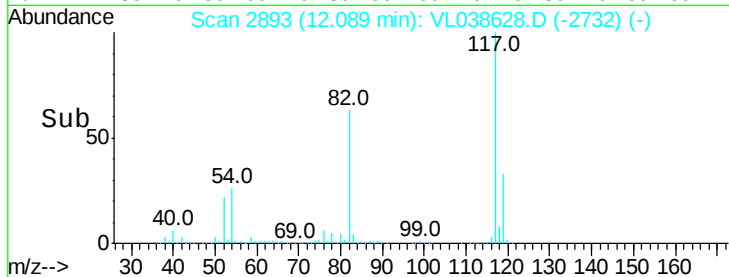
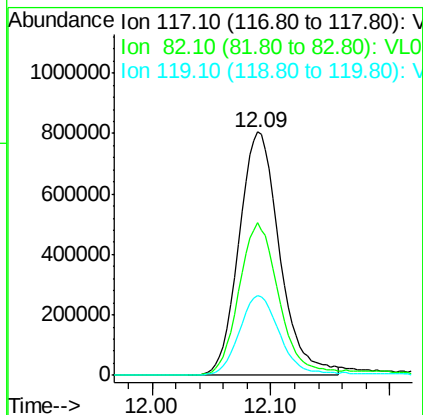
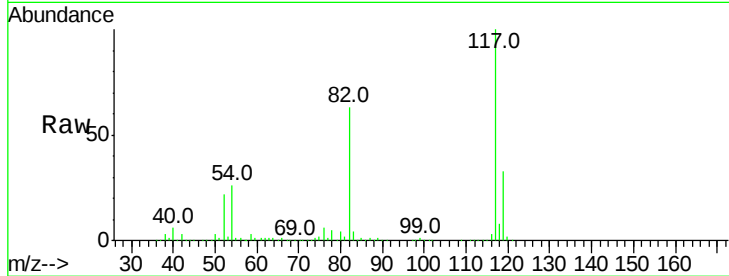
Tgt Ion: 91 Resp: 926413
 Ion Ratio Lower Upper
 91 100
 92 61.1 48.1 72.1





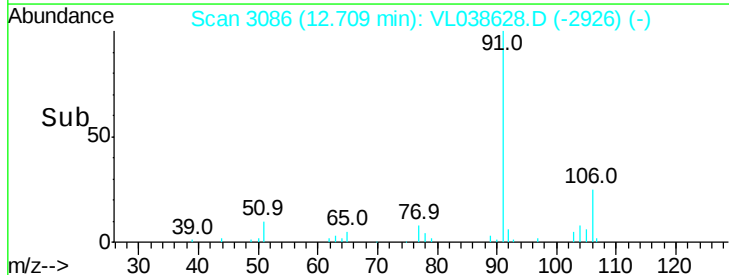
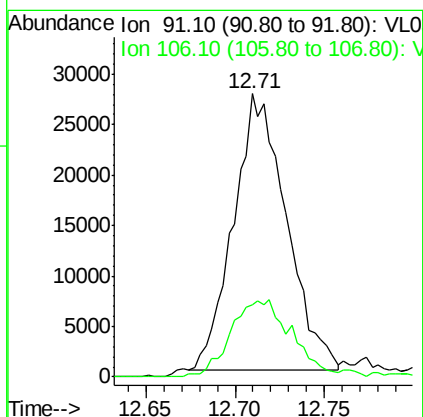
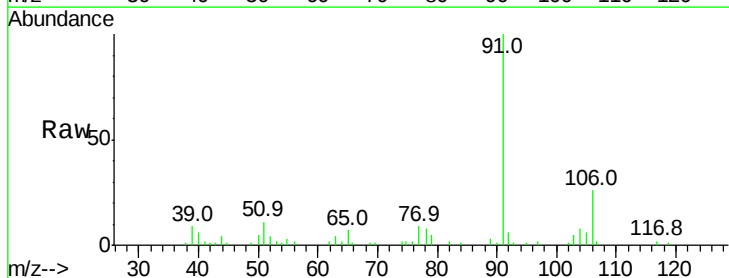
#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 17 Mar 2022 16:14

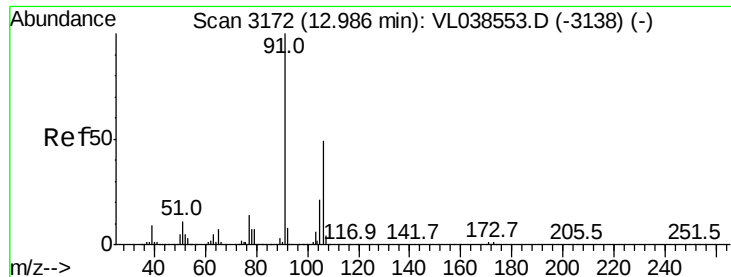
Tgt Ion: 117 Resp: 1909691
 Ion Ratio Lower Upper
 117 100
 82 65.4 52.5 78.7
 119 34.4 46.4 69.6#



#58
 Ethyl Benzene
 Concen: 0.23 ppbv
 RT: 12.71 min Scan# 3086
 Delta R.T. 0.01 min
 Lab File: VL038628.D
 Acq: 17 Mar 2022 16:14

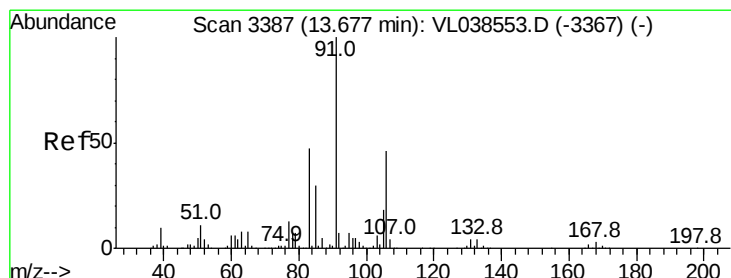
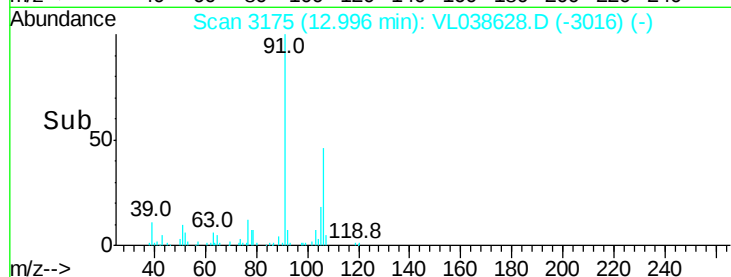
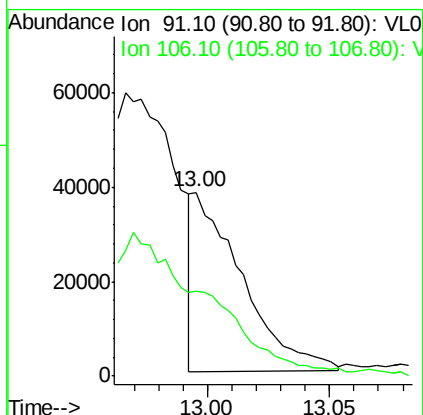
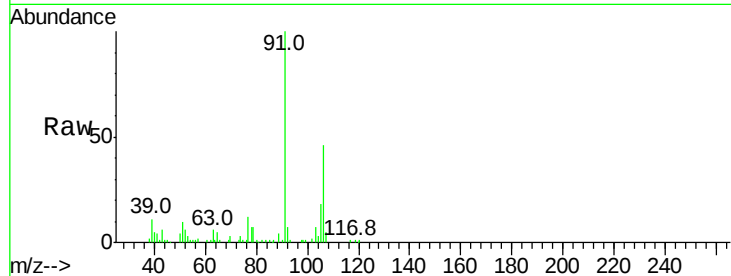
Tgt Ion: 91 Resp: 56340
 Ion Ratio Lower Upper
 91 100
 106 27.1 24.6 37.0





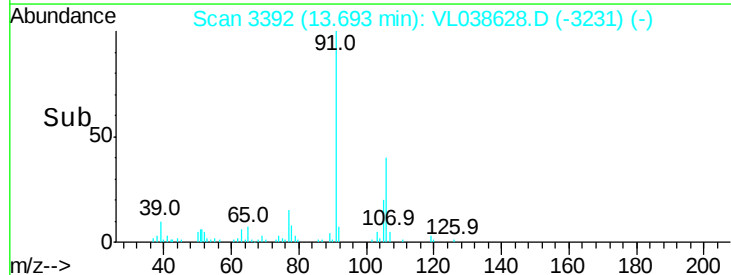
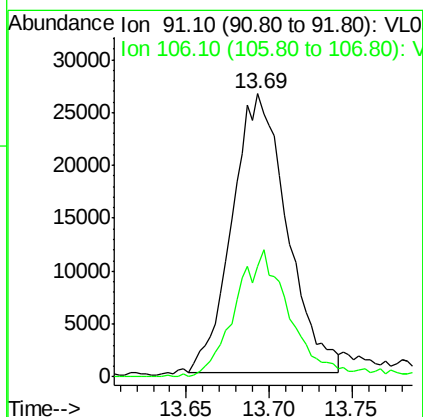
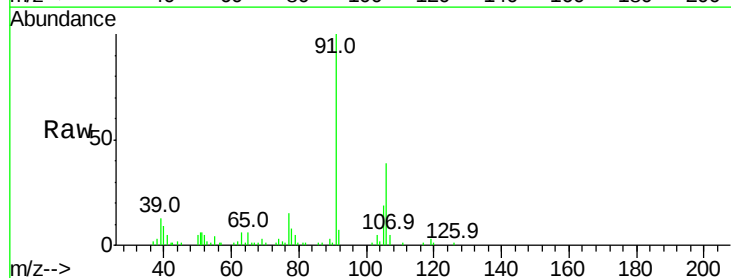
#59
m/p-Xylene
Concen: 0.25 ppbv
RT: 13.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Mar 2022 16:14

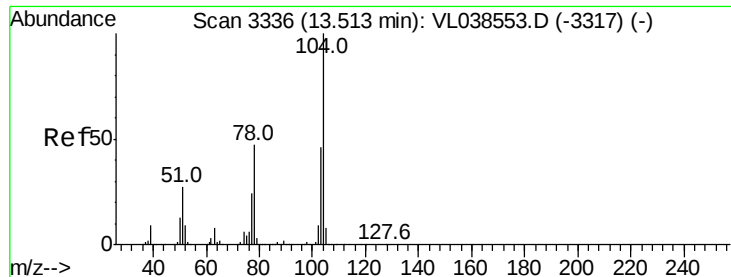
Tgt Ion: 91 Resp: 52433
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7#



#60
o-Xylene
Concen: 0.30 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.02 min
Lab File: VL038628.D
Acq: 17 Mar 2022 16:14

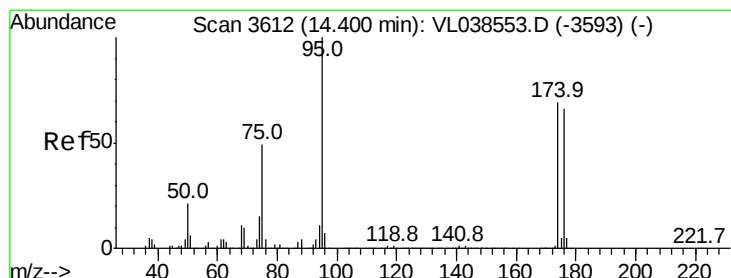
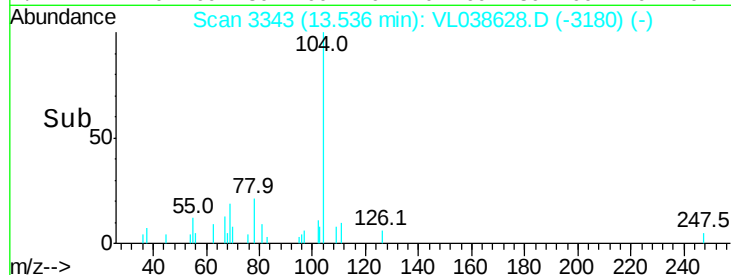
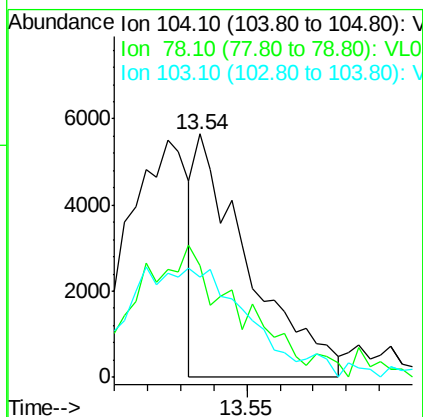
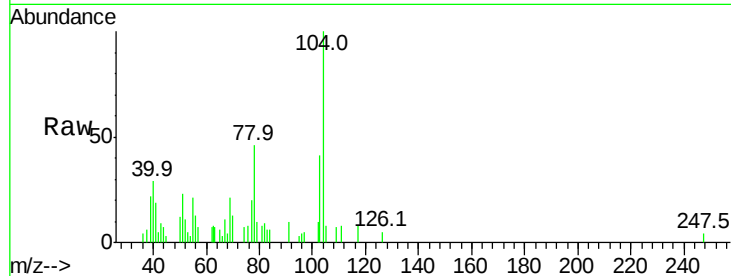
Tgt Ion: 91 Resp: 60529
Ion Ratio Lower Upper
91 100
106 46.9 23.5 70.6





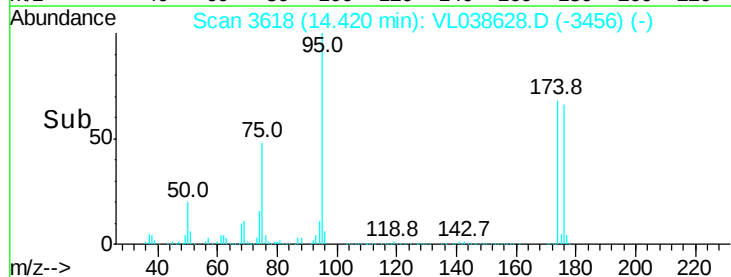
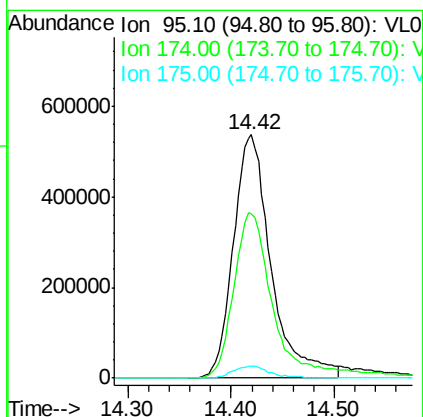
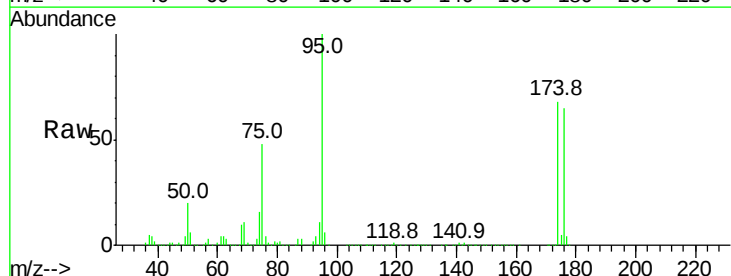
#61
Styrene
Concen: 0.06 ppbv
RT: 13.54 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Mar 2022 16:14

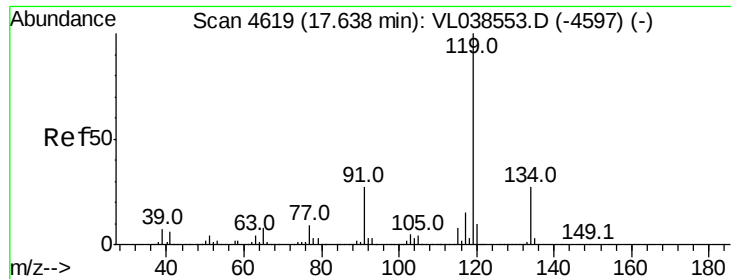
Tgt Ion: 104 Resp: 6296
Ion Ratio Lower Upper
104 100
78 116.9 39.0 58.4#
103 0.0 38.0 57.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.43 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. 0.02 min
Lab File: VL038628.D
Acq: 17 Mar 2022 16:14

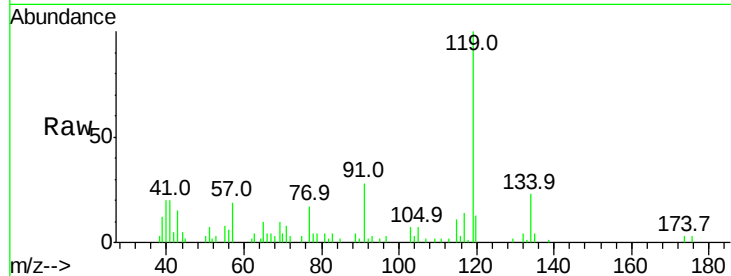
Tgt Ion: 95 Resp: 1369197
Ion Ratio Lower Upper
95 100
174 73.1 56.2 84.4
175 5.3 4.2 6.2



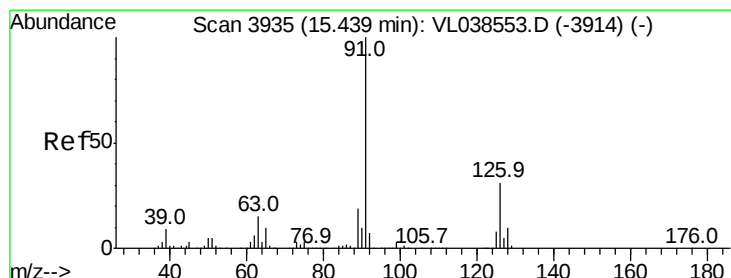
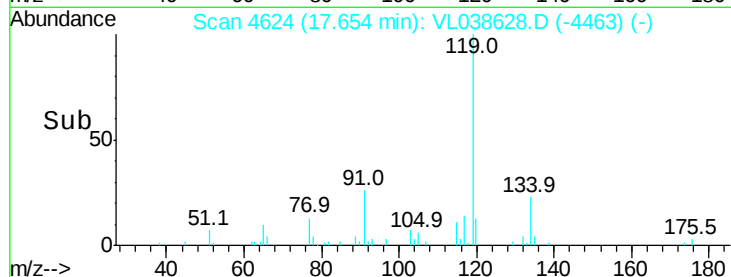
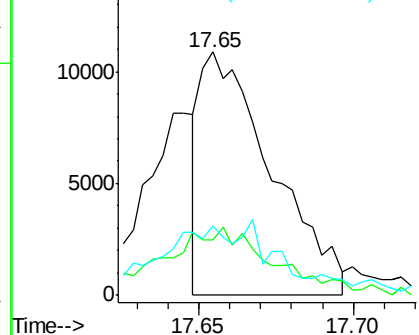


#69
 p-Isopropyltoluene
 Concen: 0.06 ppbv
 RT: 17.65
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 17 Mar 2022 16:14

Tgt Ion: 119 Resp: 17354
 Ion Ratio Lower Upper
 119 100
 134 44.5 20.9 31.3#
 91 50.9 21.1 31.7#

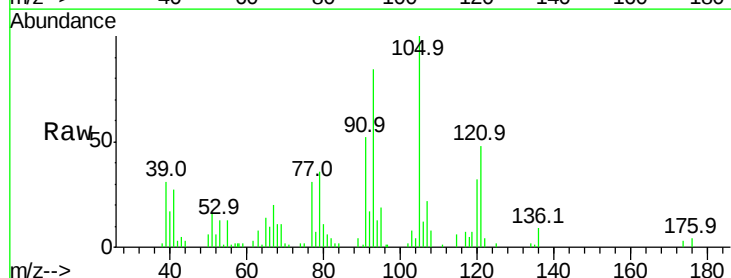


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

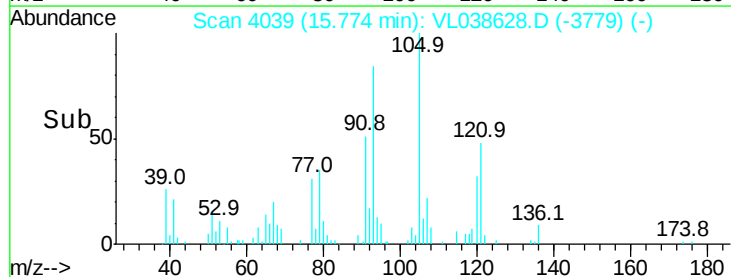
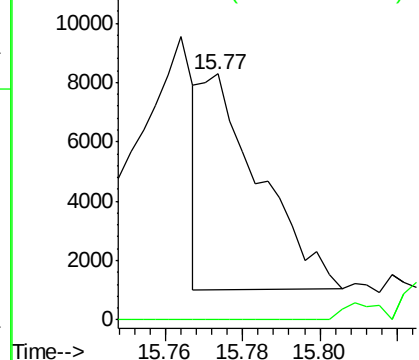


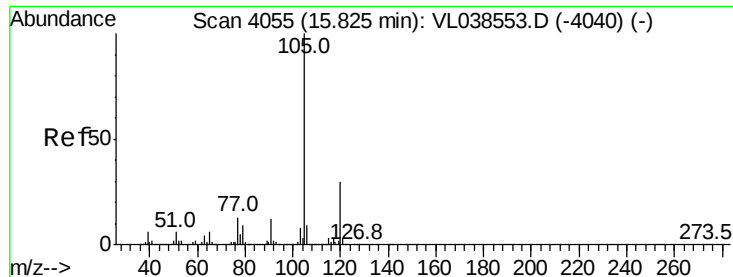
#71
 2-Chlorotoluene
 Concen: 0.04 ppbv
 RT: 15.77 min Scan# 4039
 Delta R.T. 0.33 min
 Lab File: VL038628.D
 Acq: 17 Mar 2022 16:14

Tgt Ion: 91 Resp: 7694
 Ion Ratio Lower Upper
 91 100
 126 37.4 12.9 51.7



Abundance Ion 91.10 (90.80 to 91.80): V
 Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 0.04 ppbv

RT: 15.84

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 17 Mar 2022 16:14

Tgt Ion:105 Resp: 8446

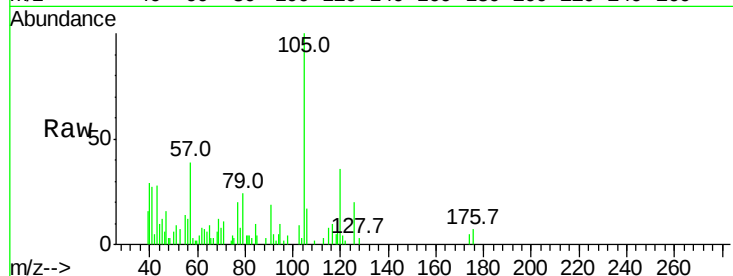
Ion Ratio Lower Upper

105 100

120 87.1 25.0 37.4#

91 0.0 9.8 14.6#

77 0.0 10.7 16.1#

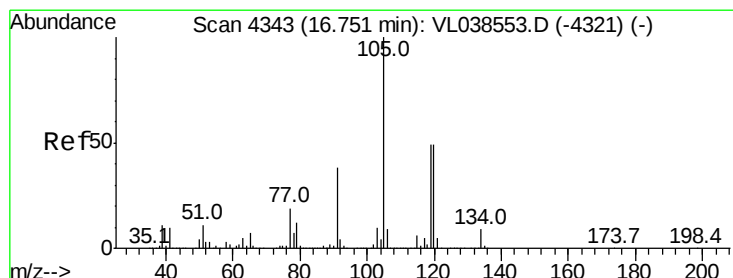
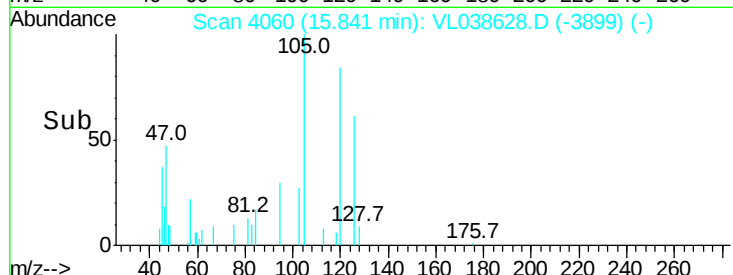
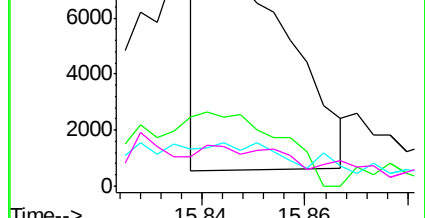


Abundance Ion 105.10 (104.80 to 105.80): V

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



#74

1,2,4-Trimethylbenzene

Concen: 0.08 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.02 min

Lab File: VL038628.D

Acq: 17 Mar 2022 16:14

Tgt Ion:105 Resp: 18334

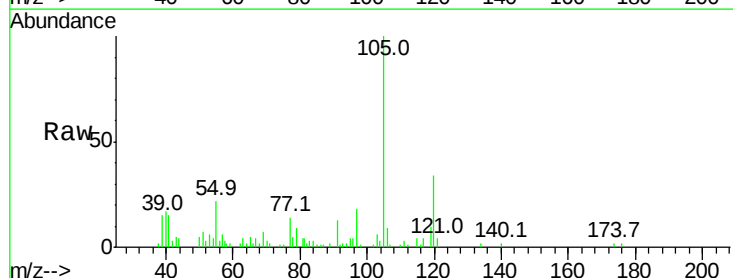
Ion Ratio Lower Upper

105 100

120 35.1 38.9 58.3#

91 11.7 30.6 46.0#

77 14.0 15.2 22.8#

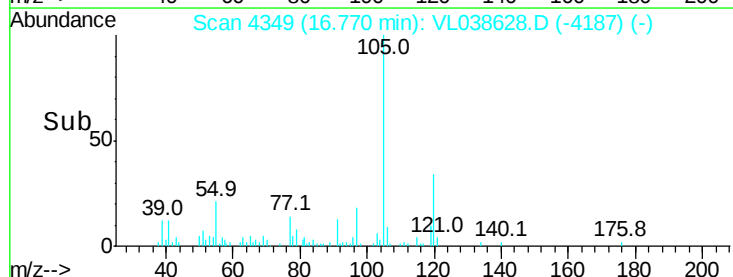
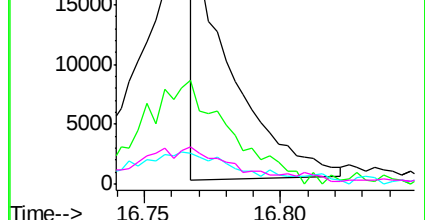


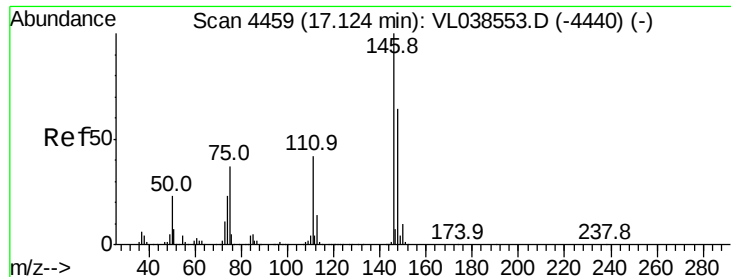
Abundance Ion 105.10 (104.80 to 105.80): V

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





#76

1,4-Dichlorobenzene

Concen: 0.02 ppbv

RT: 17.14

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

IA-1ADUP

Acq: 17 Mar 2022 18.14

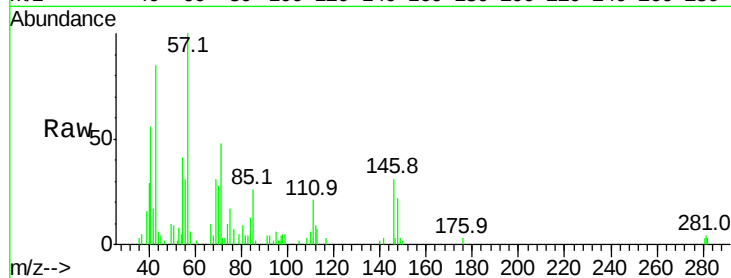
Tgt Ion:146 Resp: 3022

Ion Ratio Lower Upper

146 100

111 0.0 21.8 65.3#

148 120.8 32.8 98.4#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

