

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041122\
 Data File : VL038883.D
 Acq On : 11 Apr 2022 23:37
 Operator : SY/AP
 Sample : N2332-05
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 IA-5

Quant Time: Apr 12 02:53:26 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1200610	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3056522	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2818541	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2236110	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	103667	0.609	ppbv	96
3) Chlorodifluoromethane	2.97	51	99732	0.681	ppbv #	76
4) Chloromethane	3.14	50	44870	0.591	ppbv	98
8) Dichlorotetrafluoroethane	3.05	85	103667	0.652	ppbv #	16
9) Propene	3.20	41	140680	1.815	ppbv	87
10) Heptane	8.11	43	777718	3.983	ppbv	100
11) Trichlorofluoromethane	3.95	101	29590	0.216	ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.48	101	3359	0.032	ppbv #	12
13) Ethanol	3.60	45	5054244	1072.818	ppbv #	100
15) Acetone	3.84	43	7756931	64.894	ppbv	97
16) 1,3-Butadiene	3.31	39	17316	0.253	ppbv #	71
17) tert-Butyl alcohol	3.97	59	39178	0.366	ppbv	100
19) Isopropyl Alcohol	3.97	45	1270786	20.801	ppbv #	100
20) Methylene Chloride	4.35	84	90941	2.098	ppbv	94
21) Allyl Chloride	4.37	41	7179	0.080	ppbv #	18
23) Vinyl Acetate	5.06	43	21596	0.186	ppbv #	35
25) Ethyl Acetate	5.67	43	1708458	5.633	ppbv #	91
26) Hexane	5.69	57	145242	1.052	ppbv #	1
29) Chloroform	5.76	83	8075	0.042	ppbv	98
30) Cyclohexane	7.12	84	38598	0.317	ppbv	83
31) cis-1,2-Dichloroethene	5.66	61	207206	1.632	ppbv #	24
34) 2-Butanone	5.24	43	663909	5.497	ppbv	97
35) Carbon Tetrachloride	7.01	117	12311	0.067	ppbv	90
36) Benzene	6.89	78	126562	0.455	ppbv	97
38) Trichloroethene	7.83	130	7804	0.068	ppbv #	63
39) 1,2-Dichloropropane	7.17	63	747445	7.028	ppbv #	27
41) Tetrahydrofuran	6.05	42	48923	0.427	ppbv	95
43) Methyl Methacrylate	8.01	69	3753	0.035	ppbv #	1
44) 2,2,4-Trimethylpentane	7.86	57	118584	0.252	ppbv #	29
50) 4-Methyl-2-Pentanone	8.73	43	263253	0.969	ppbv	97
51) 2-Hexanone	10.10	43	29744	0.145	ppbv #	45
52) Tetrachloroethene	11.21	164	64562	0.665	ppbv	92
53) Toluene	9.80	91	8777415	27.345	ppbv	97
58) Ethyl Benzene	12.70	91	445304	1.057	ppbv	93
59) m/p-Xylene	12.95	91	1293241	3.655	ppbv	100
60) o-Xylene	13.68	91	409301	1.236	ppbv	96
61) Styrene	13.52	104	301859	1.496	ppbv	99
64) n-propylbenzene	15.55	120	9219	0.071	ppbv #	1
72) 4-Ethyltoluene	15.83	105	95527	0.242	ppbv	97
73) 1,3,5-Trimethylbenzene	15.98	105	39468	0.111	ppbv #	83
74) 1,2,4-Trimethylbenzene	16.75	105	259910	0.692	ppbv #	70

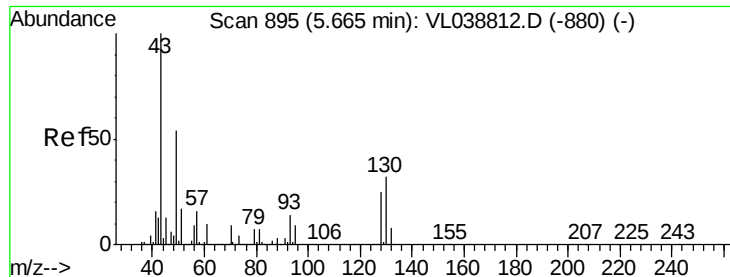
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041122\
Data File : VL038883.D
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Operator : SY/AP
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	25.29	142	2366	0.034	ppbv	92

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

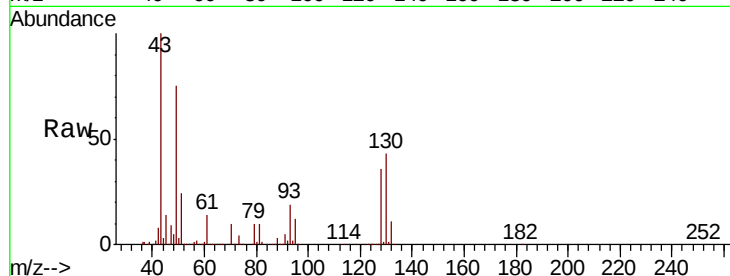
Delta R.T. ClientSampleId:

Lab File: IA-5

Acq: 11 Apr 2022 23:37

Tot Ion: 49 Resp: 1200610

Ion	Ratio	Lower	Upper
49	100		
128	47.5	24.1	72.3
130	60.7	30.9	92.8



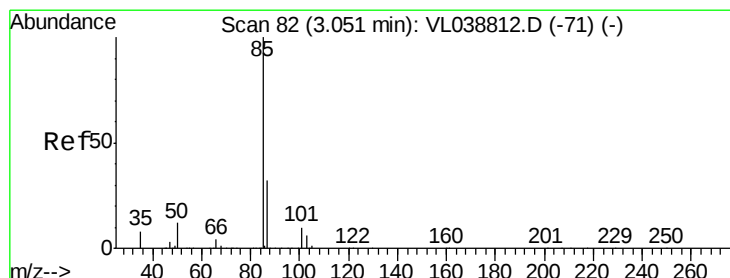
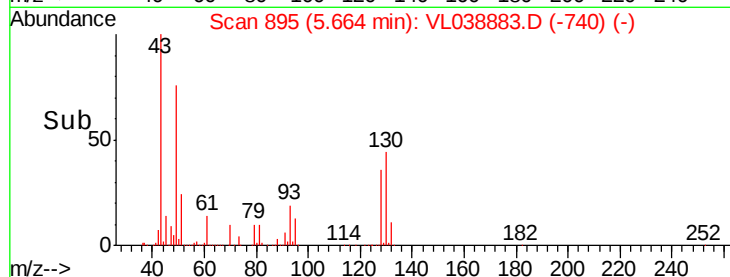
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 0.609 ppbv

RT: 3.05 min Scan# 82

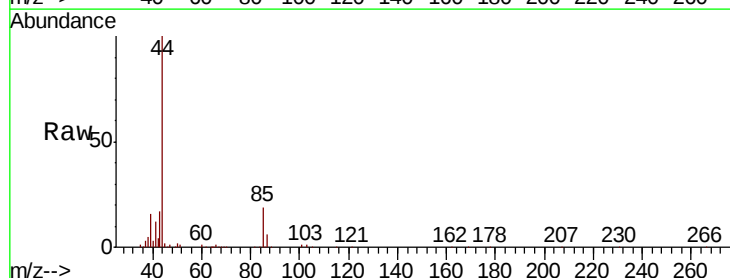
Delta R.T. -0.00 min

Lab File: VL038883.D

Acq: 11 Apr 2022 23:37

Tgt Ion: 85 Resp: 103667

Ion	Ratio	Lower	Upper
85	100		
87	30.1	25.9	38.9

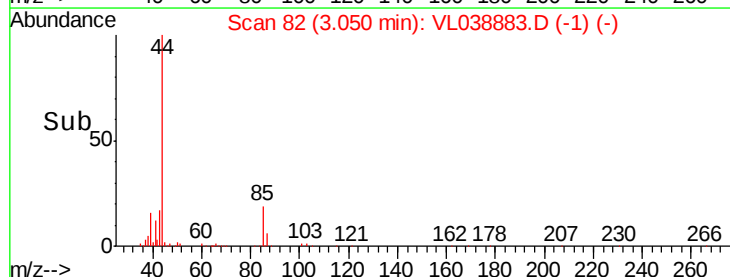


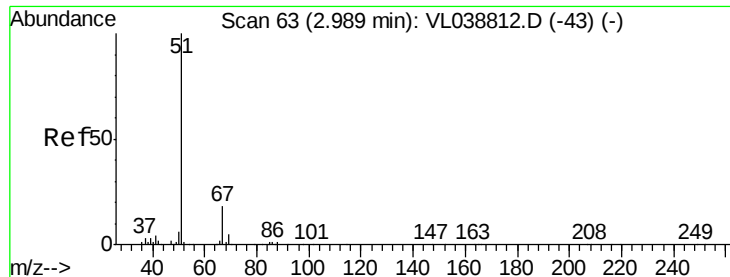
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.05

Time-->





#3

Chlorodifluoromethane

Concen: 0.681 ppbv

RT: 2.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

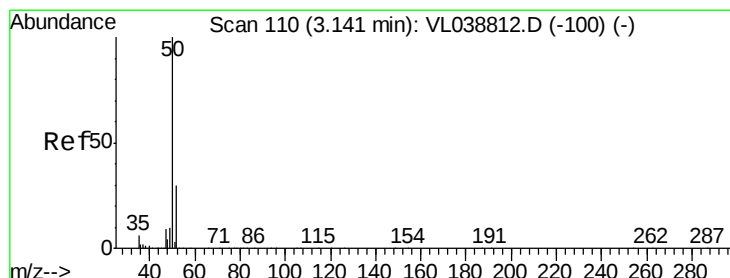
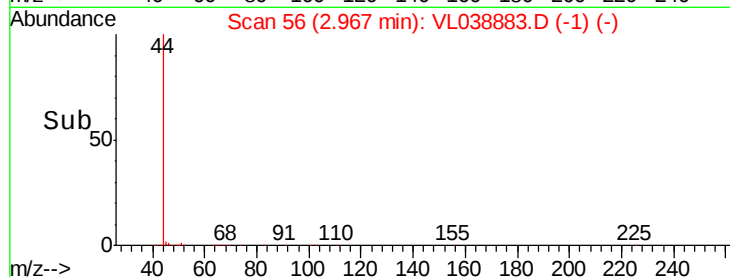
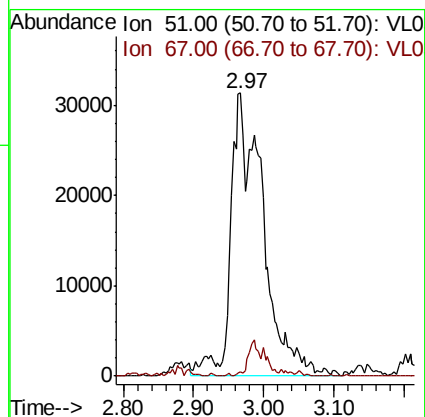
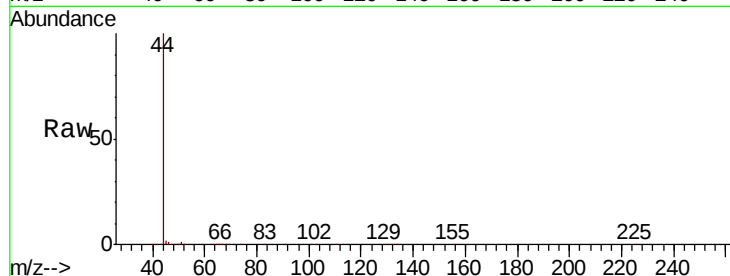
Acq: 11 Apr 2022 23:37

Tot Ion: 51 Resp: 99732

Ion Ratio Lower Upper

51 100

67 6.2 13.4 20.0#



#4

Chloromethane

Concen: 0.591 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL038883.D

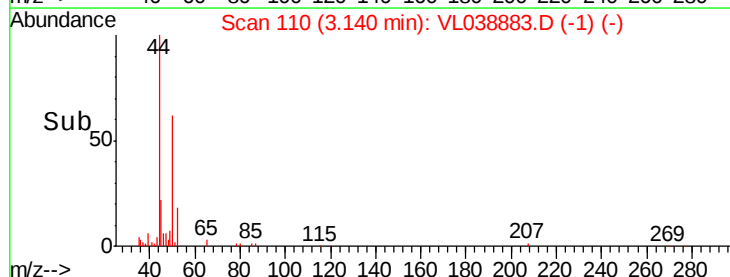
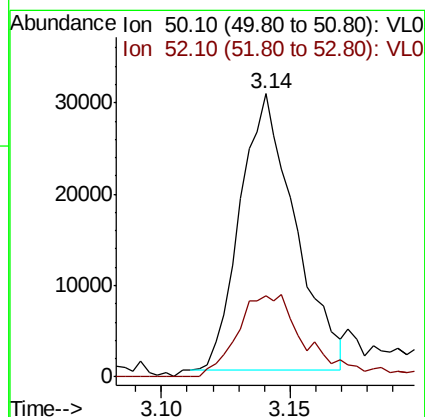
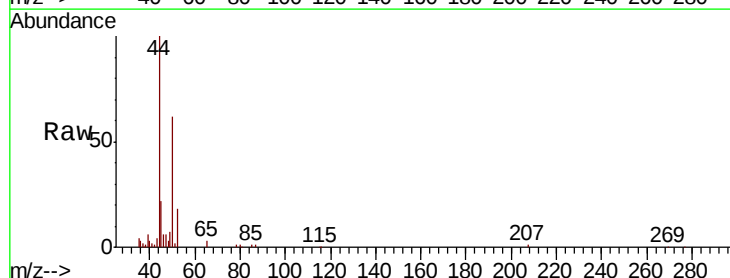
Acq: 11 Apr 2022 23:37

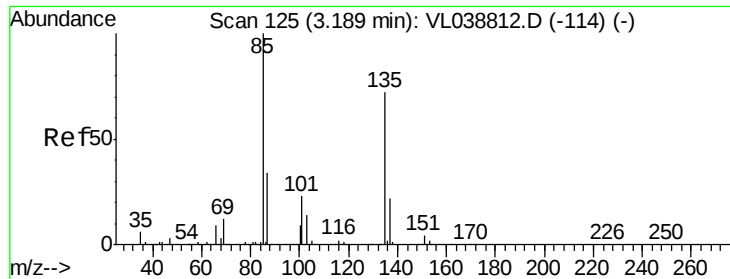
Tgt Ion: 50 Resp: 44870

Ion Ratio Lower Upper

50 100

52 29.3 24.3 36.5





#8

Dichlorotetrafluoroethane

Concen: 0.652 ppbv

RT: 3.05 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

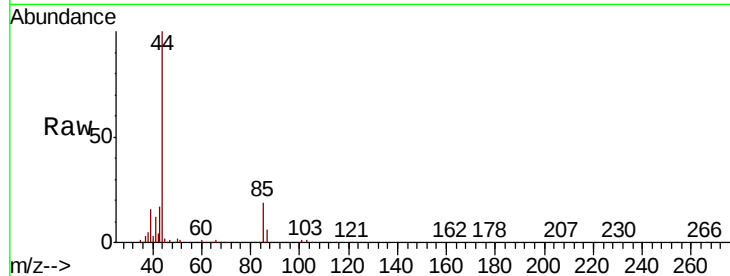
Acq: 11 Apr 2022 23:37

Tot Ion: 85 Resp: 103667

Ion Ratio Lower Upper

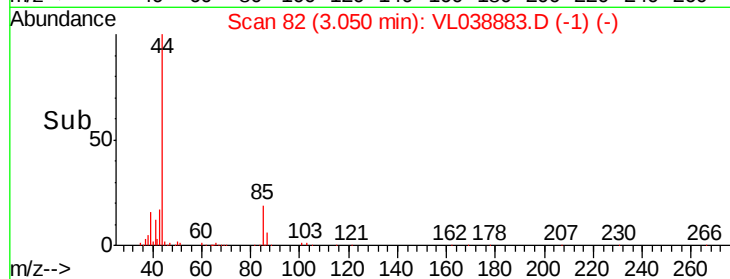
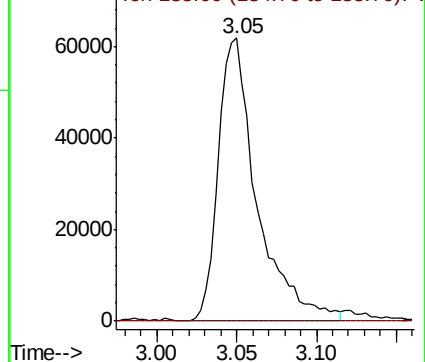
85 100

135 1.4 57.0 85.6#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



#9

Propene

Concen: 1.815 ppbv

RT: 3.20 min Scan# 130

Delta R.T. 0.19 min

Lab File: VL038883.D

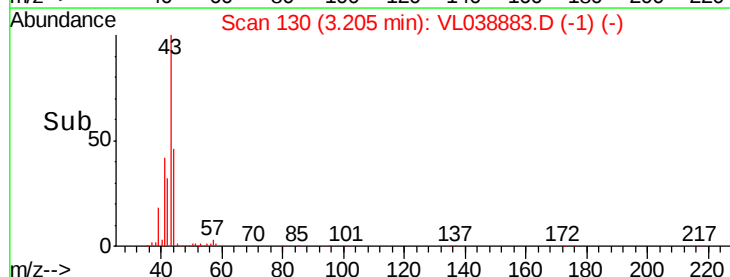
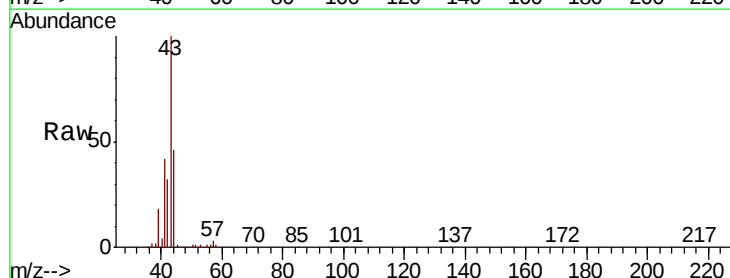
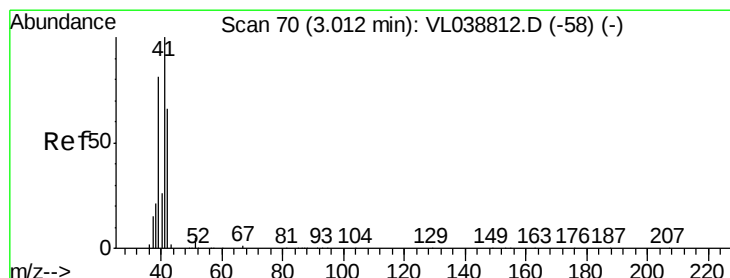
Acq: 11 Apr 2022 23:37

Tgt Ion: 41 Resp: 140680

Ion Ratio Lower Upper

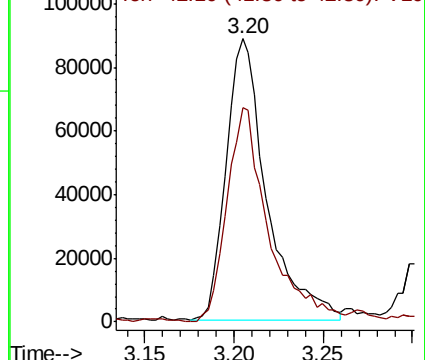
41 100

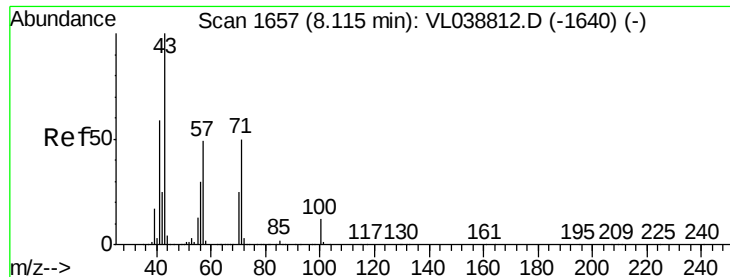
42 78.1 54.2 81.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 3.983 ppbv

RT: 8.11 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

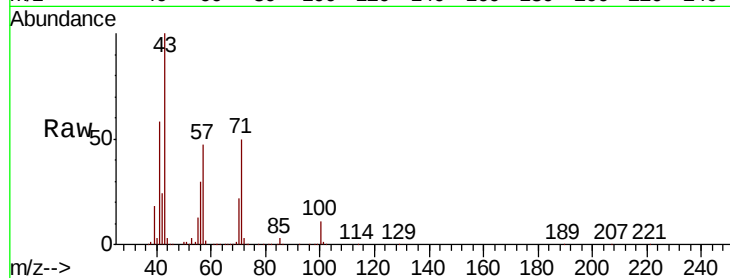
Acq: 11 Apr 2022 23:37

Tot Ion: 43 Resp: 777718

Ion Ratio Lower Upper

43 100

57 49.1 39.3 58.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.11

400000

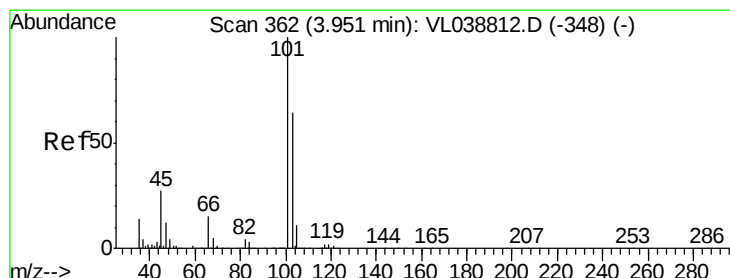
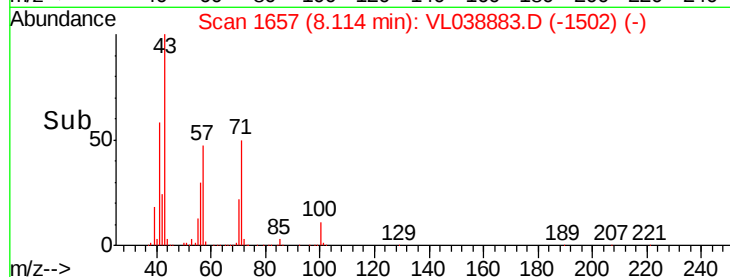
300000

200000

100000

0

Time-->



#11

Trichlorofluoromethane

Concen: 0.216 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VL038883.D

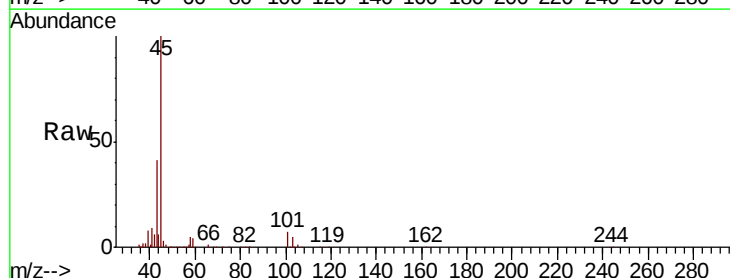
Acq: 11 Apr 2022 23:37

Tgt Ion:101 Resp: 29590

Ion Ratio Lower Upper

101 100

103 75.3 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.95

20000

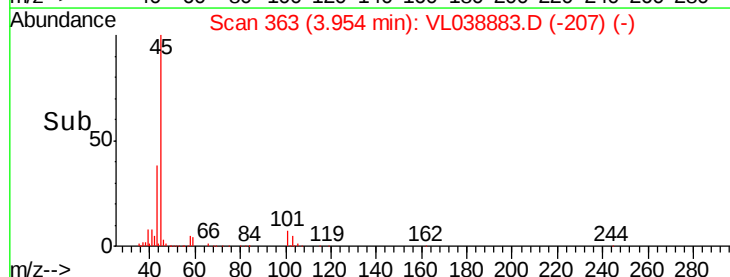
15000

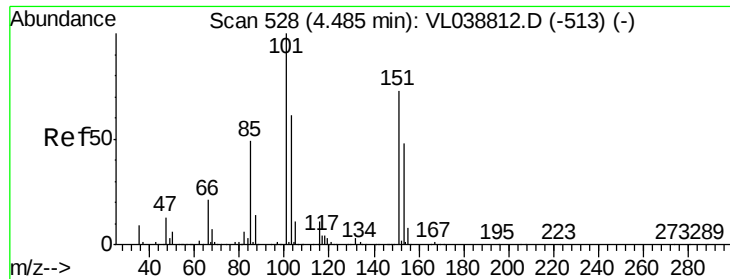
10000

5000

0

Time-->





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.032 ppbv

RT: 4.48 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

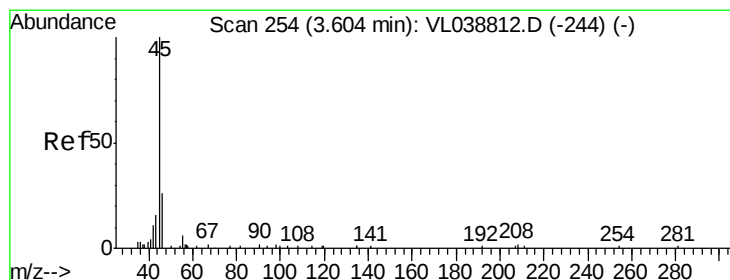
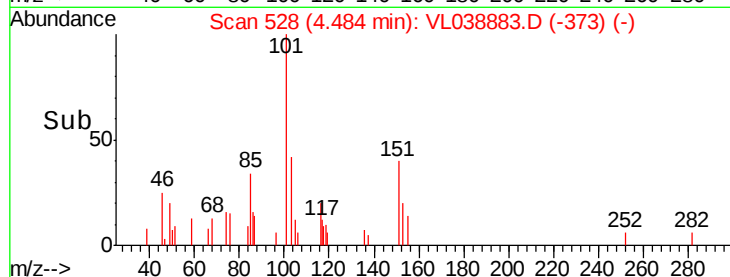
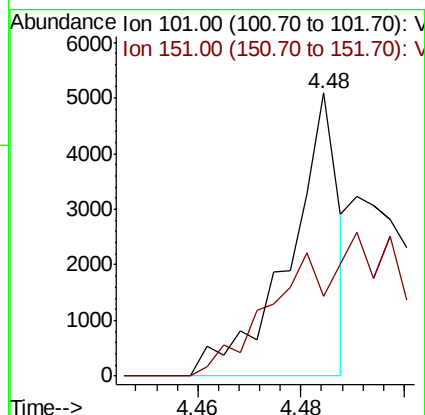
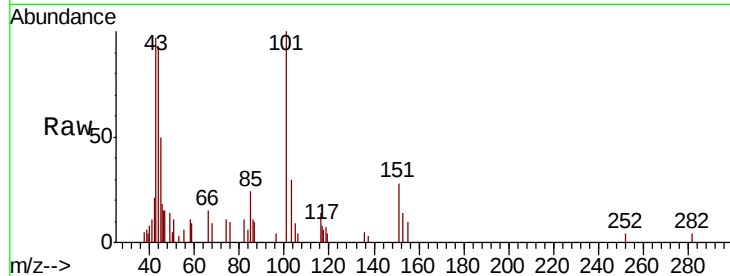
Acq: 11 Apr 2022 23:37

Tot Ion: 101 Resp: 3359

Ion Ratio Lower Upper

101 100

151 0.0 59.9 89.9#



#13

Ethanol

Concen: 1072.818 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL038883.D

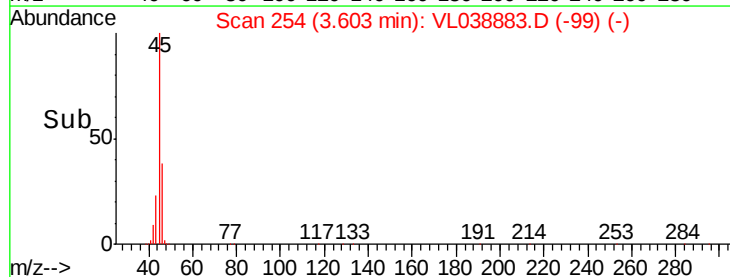
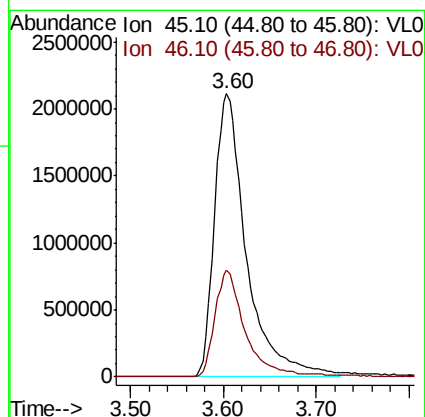
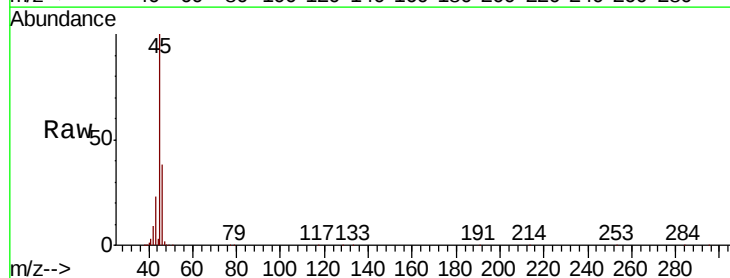
Acq: 11 Apr 2022 23:37

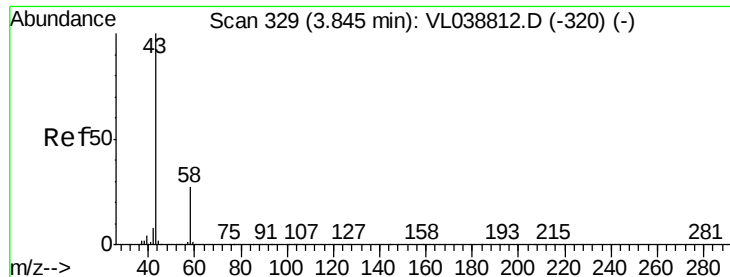
Tgt Ion: 45 Resp: 5054244

Ion Ratio Lower Upper

45 100

46 36.8 0.0 0.0#





#15

Acetone

Concen: 64.894 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

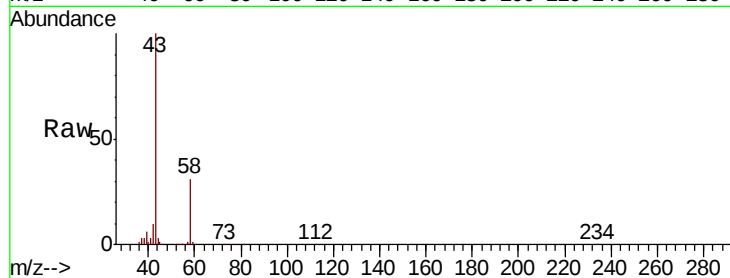
Acq: 11 Apr 2022 23:37

Tot Ion: 43 Resp: 7756931

Ion Ratio Lower Upper

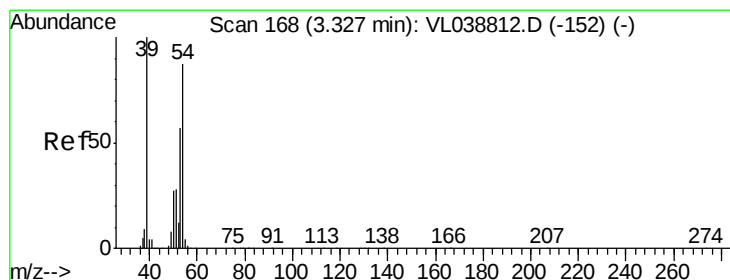
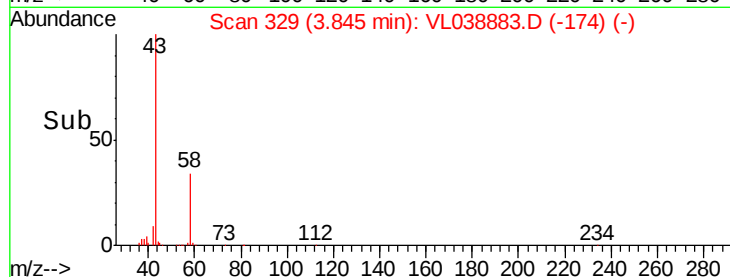
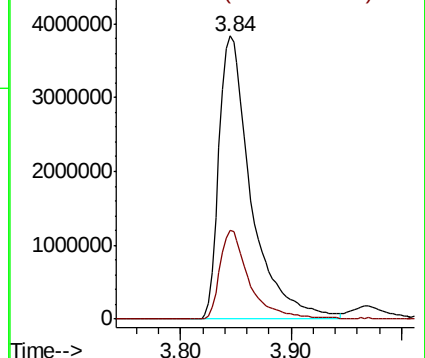
43 100

58 29.5 22.5 33.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.253 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.02 min

Lab File: VL038883.D

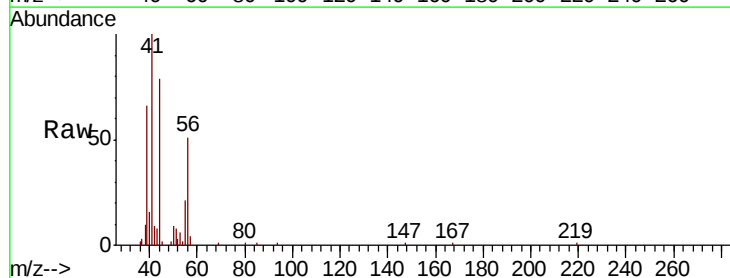
Acq: 11 Apr 2022 23:37

Tgt Ion: 39 Resp: 17316

Ion Ratio Lower Upper

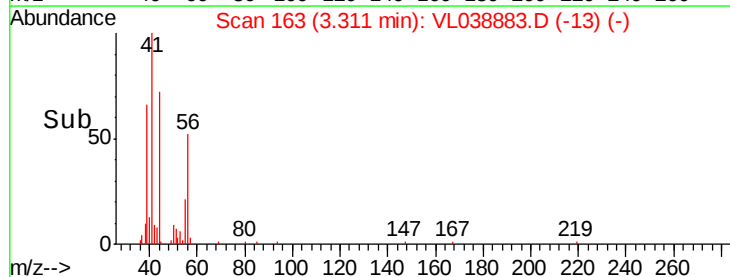
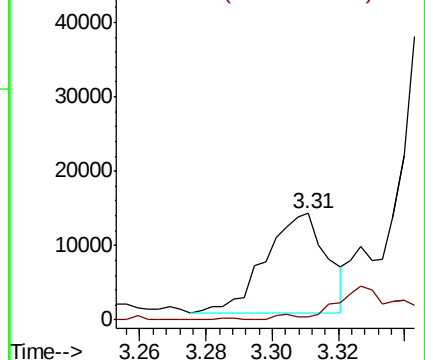
39 100

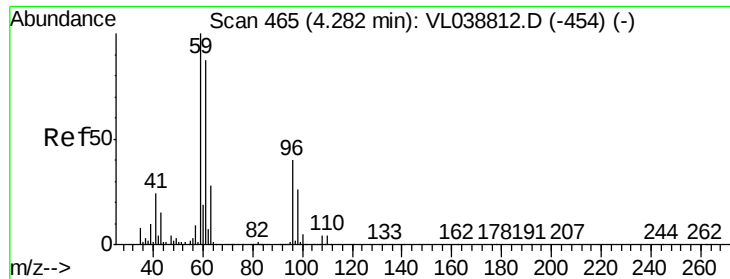
54 54.9 64.8 97.2#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.366 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

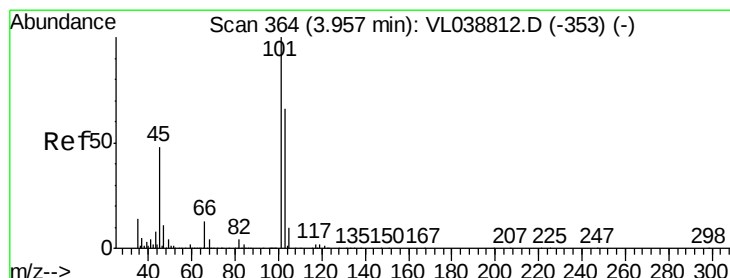
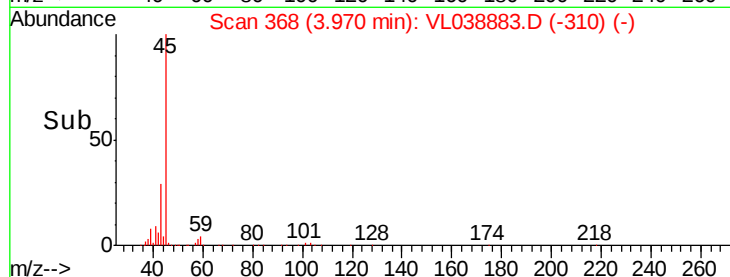
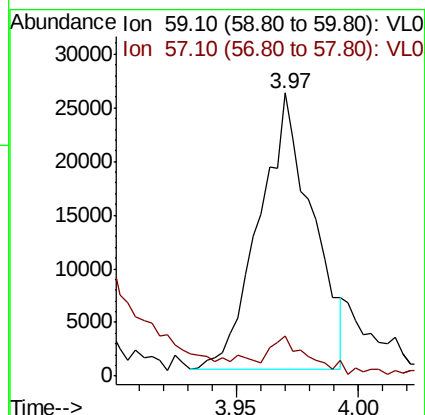
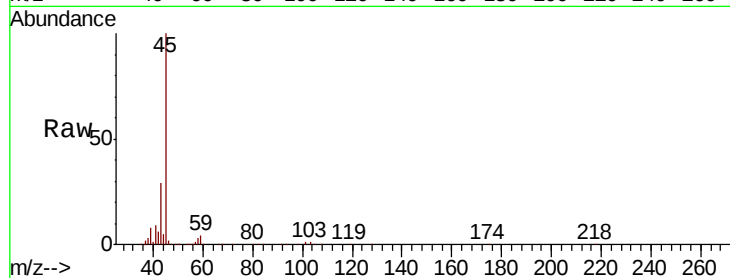
Acq: 11 Apr 2022 23:37

Tot Ion: 59 Resp: 39178

Ion Ratio Lower Upper

59 100

57 10.8 8.5 12.7



#19

Isopropyl Alcohol

Concen: 20.801 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VL038883.D

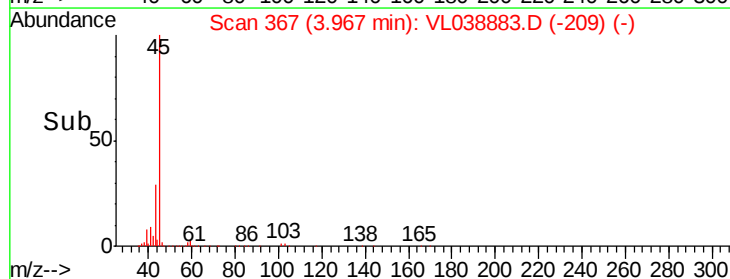
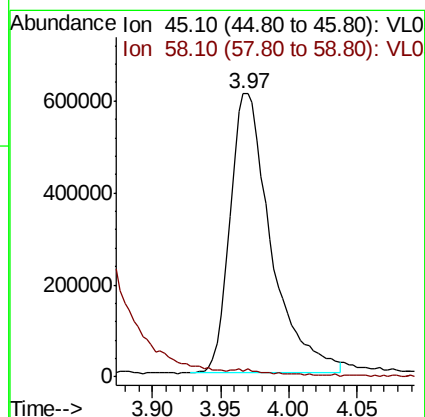
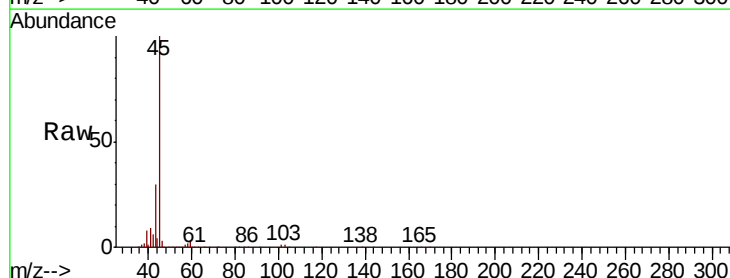
Acq: 11 Apr 2022 23:37

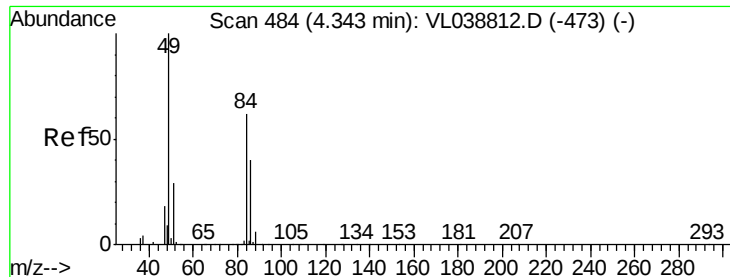
Tgt Ion: 45 Resp: 1270786

Ion Ratio Lower Upper

45 100

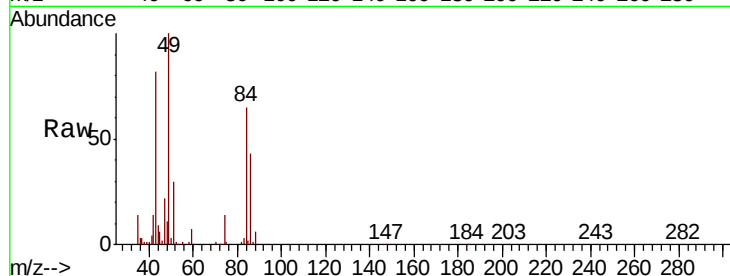
58 180.6 0.0 0.0#



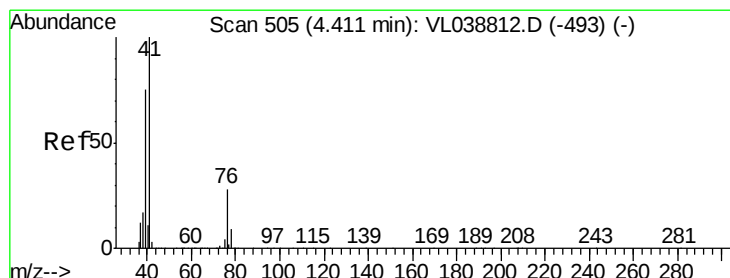
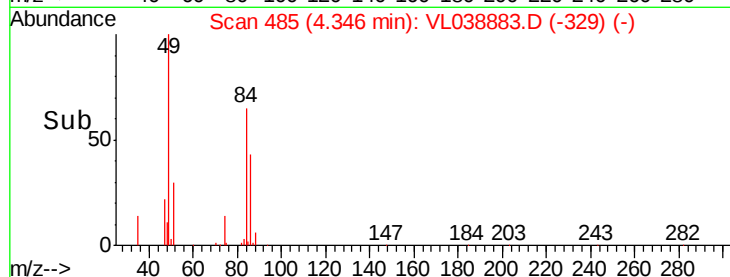
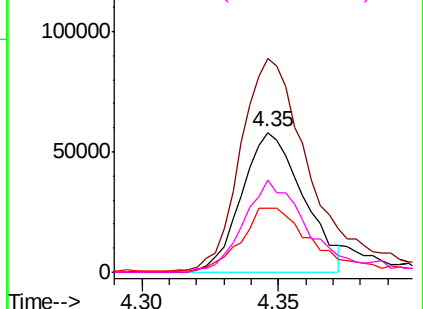


#20
Methylene Chloride
Concen: 2.098 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 11 Apr 2022 23:37

Tot Ion:	84	Resp:	90941
Ion	Ratio	Lower	Upper
84	100		
49	150.5	129.4	194.0
51	44.8	37.4	56.2
86	65.5	51.4	77.2

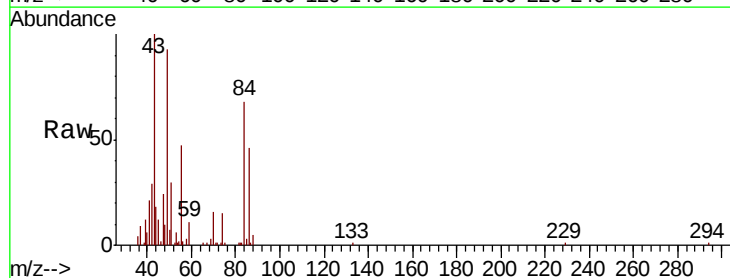


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

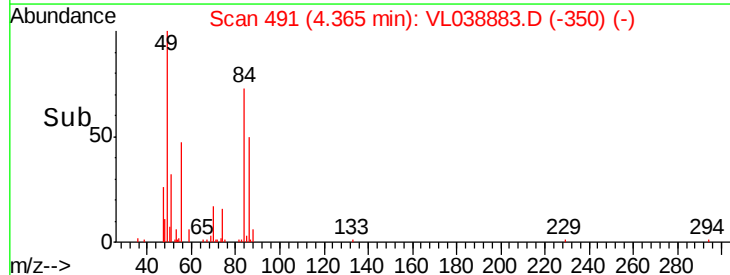
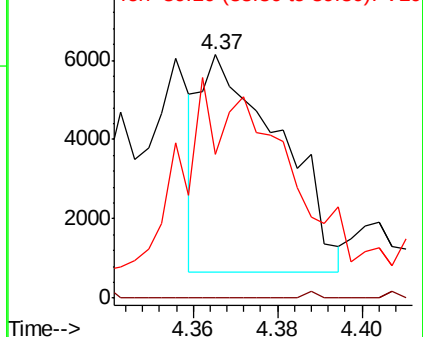


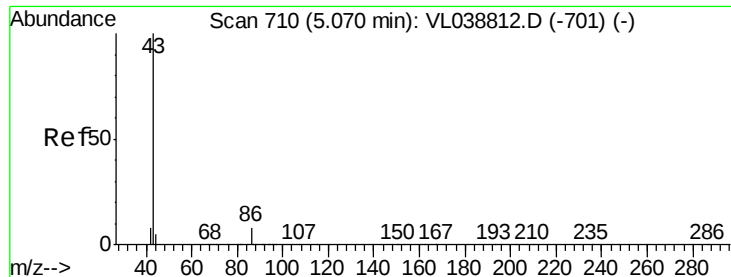
#21
Allyl Chloride
Concen: 0.080 ppbv
RT: 4.37 min Scan# 491
Delta R.T. -0.05 min
Lab File: VL038883.D
Acq: 11 Apr 2022 23:37

Tgt Ion:	41	Resp:	7179
Ion	Ratio	Lower	Upper
41	100		
76	22.1	23.7	35.5#
39	171.6	62.0	93.0#



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





#23

Vinyl Acetate

Concen: 0.186 ppbv

RT: 5.06 Instrument: MSVOA_1

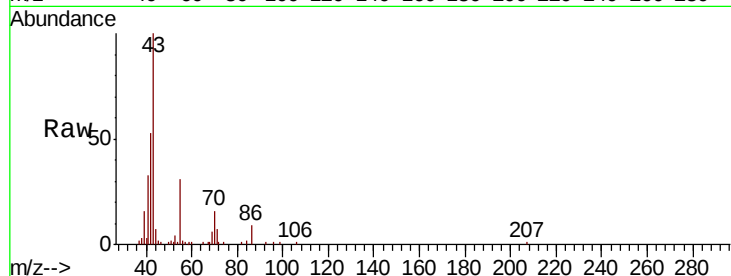
Delta R.T.

Lab File: ClientSampleId:

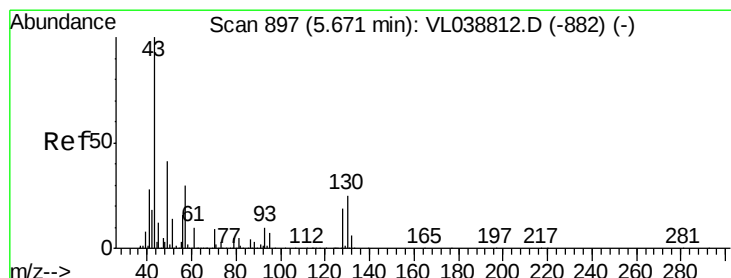
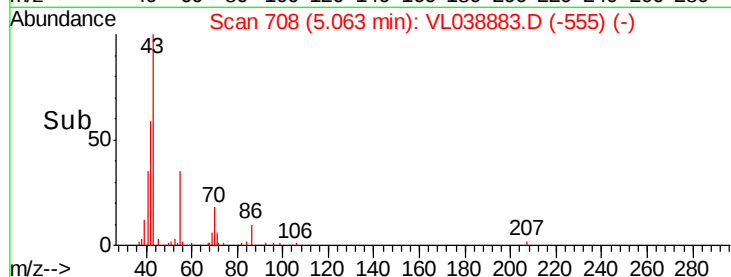
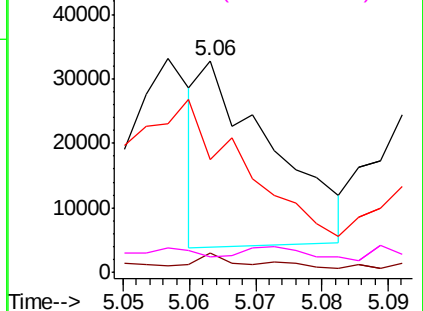
Acq: 11 Apr 2022 23:37

Tot Ion: 43 Resp: 21596

Ion	Ratio	Lower	Upper
43	100		
86	11.0	5.8	8.6#
42	57.1	7.8	11.6#
44	0.2	3.6	5.4#



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



#25

Ethyl Acetate

Concen: 5.633 ppbv

RT: 5.67 min Scan# 896

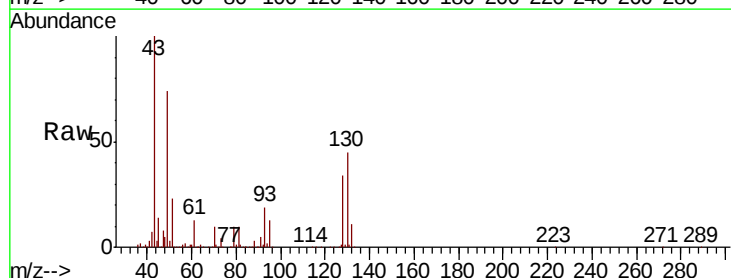
Delta R.T. -0.00 min

Lab File: VL038883.D

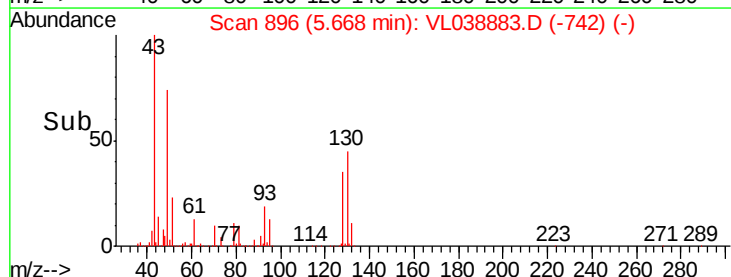
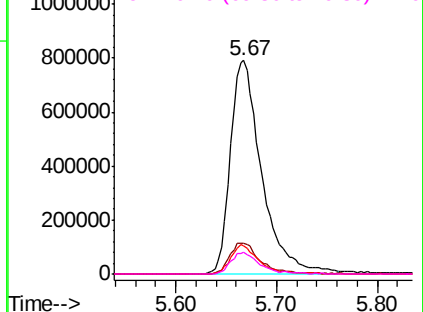
Acq: 11 Apr 2022 23:37

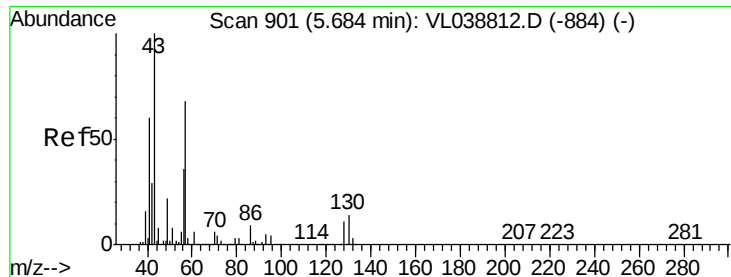
Tgt Ion: 43 Resp: 1708458

Ion	Ratio	Lower	Upper
43	100		
45	14.4	8.4	12.6#
61	12.7	7.9	11.9#
70	9.6	5.6	8.4#



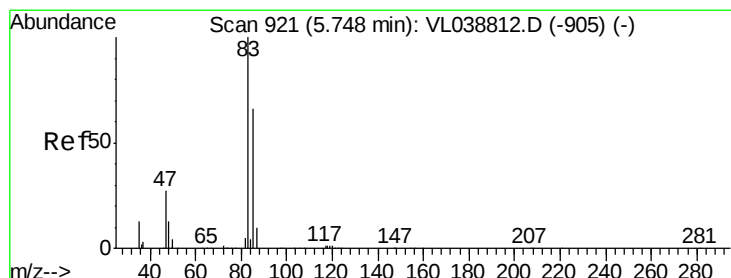
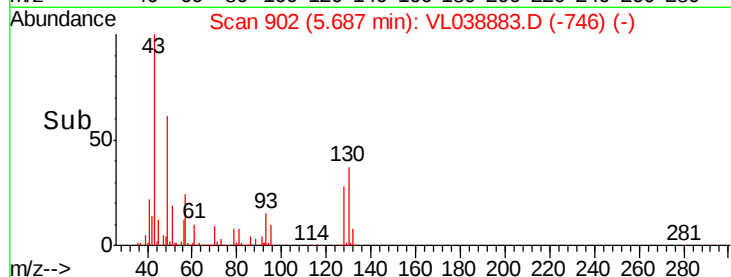
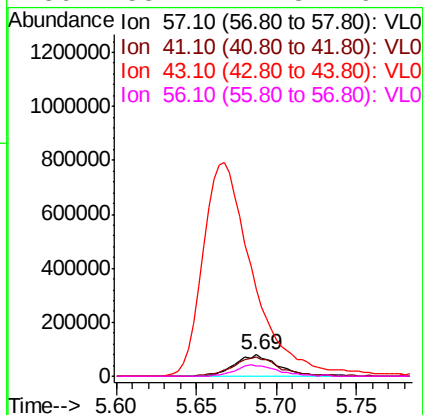
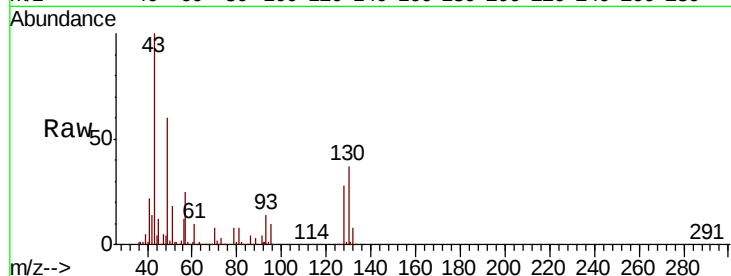
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0





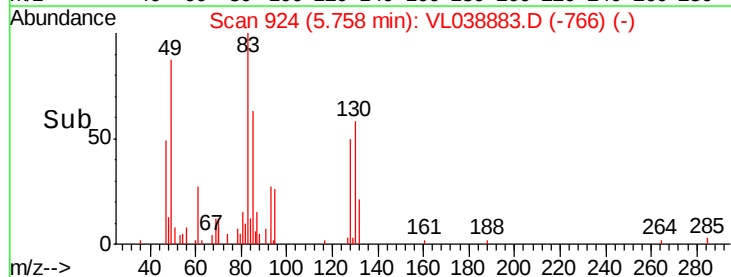
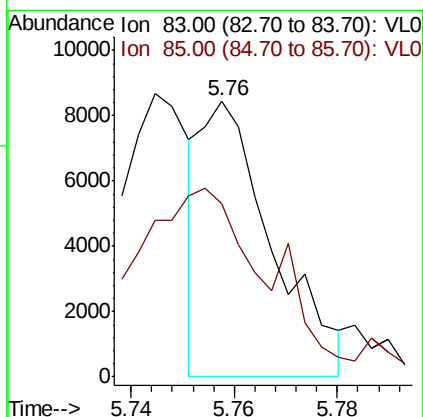
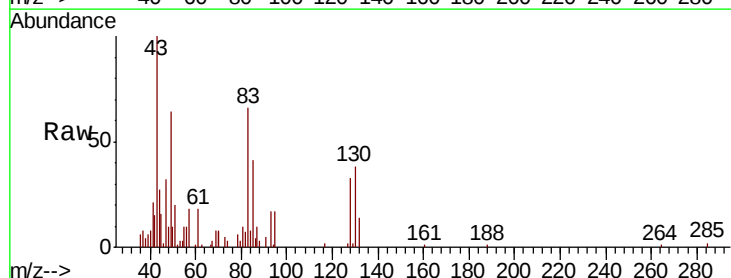
#26
Hexane
Concen: 1.052 ppbv
RT: 5.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 11 Apr 2022 23:37

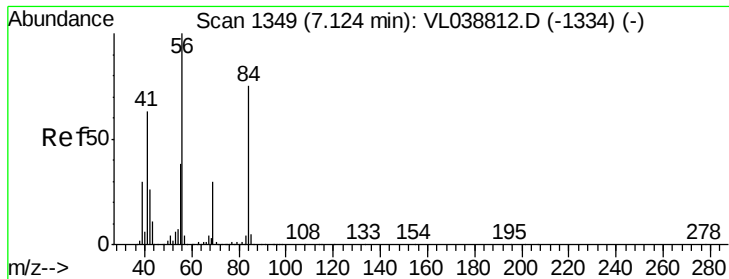
Tot Ion: 57 Resp: 145242
Ion Ratio Lower Upper
57 100
41 96.5 72.0 108.0
43 1185.2 186.6 280.0#
56 55.2 42.8 64.2



#29
Chloroform
Concen: 0.042 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.01 min
Lab File: VL038883.D
Acq: 11 Apr 2022 23:37

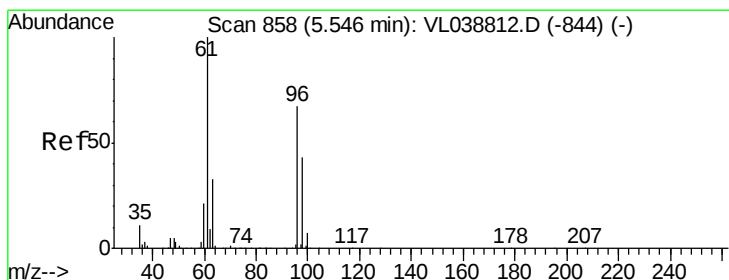
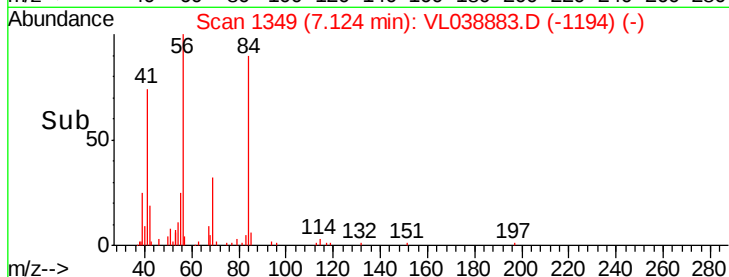
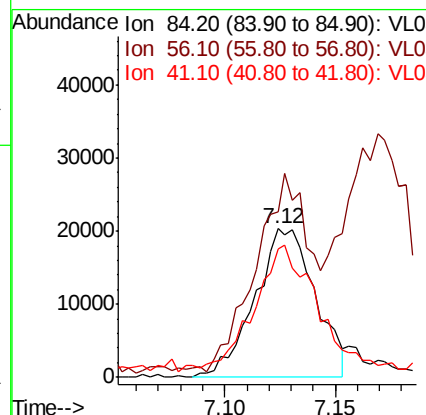
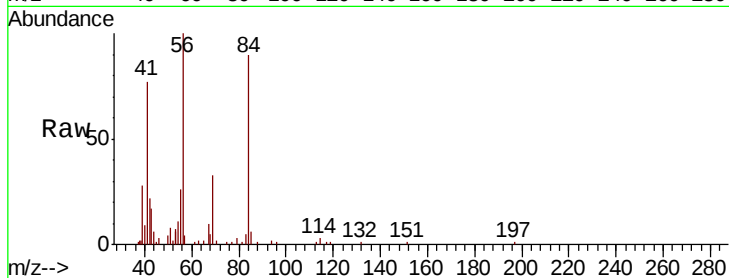
Tgt Ion: 83 Resp: 8075
Ion Ratio Lower Upper
83 100
85 67.0 52.5 78.7





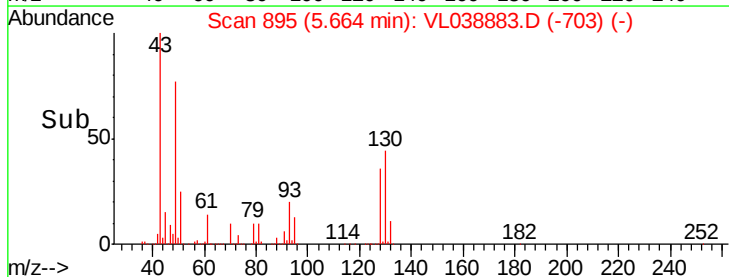
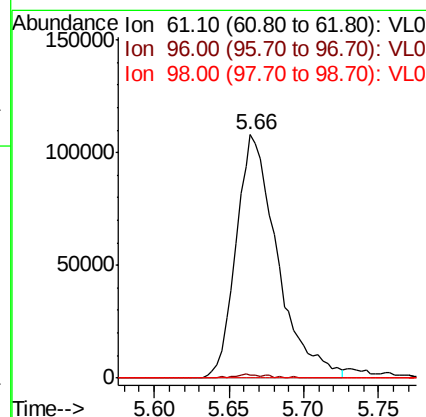
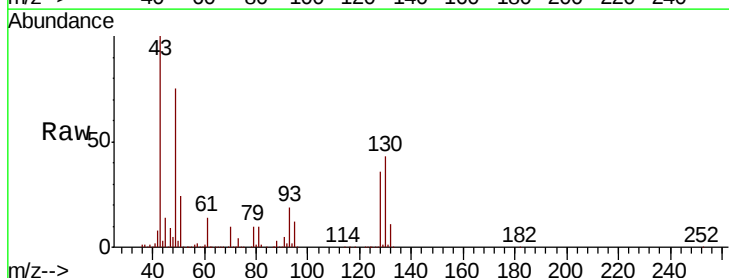
#30
Cvclohexane
Concen: 0.317 ppbv
RT: 7.12
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 11 Apr 2022 23:37

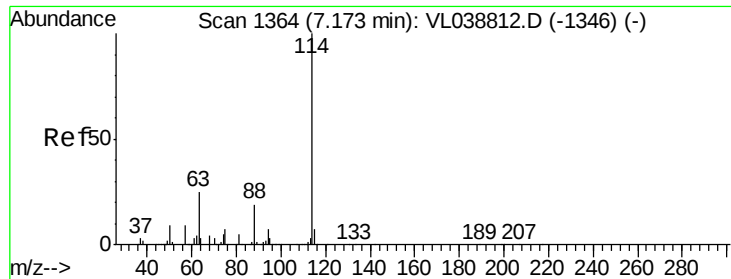
Tot Ion	84	Resp	38598
Ion Ratio	Lower	Upper	
84	100		
56	118.6	114.4	171.6
41	98.6	69.0	103.4



#31
cis-1,2-Dichloroethene
Concen: 1.632 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.12 min
Lab File: VL038883.D
Acq: 11 Apr 2022 23:37

Tgt Ion	61	Resp	207206
Ion Ratio	Lower	Upper	
61	100		
96	1.4	53.4	80.0#
98	0.0	34.2	51.4#

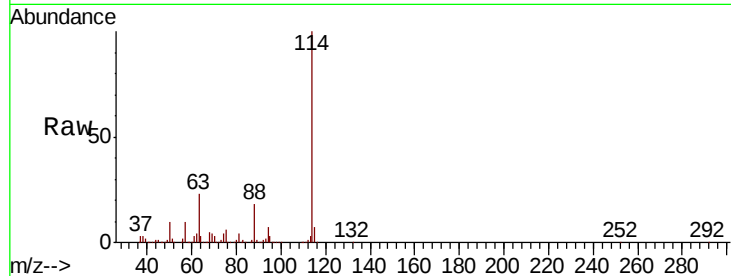




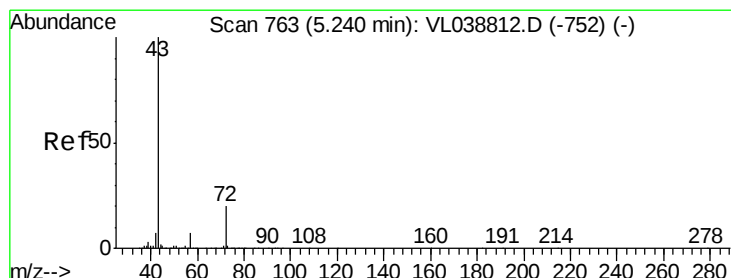
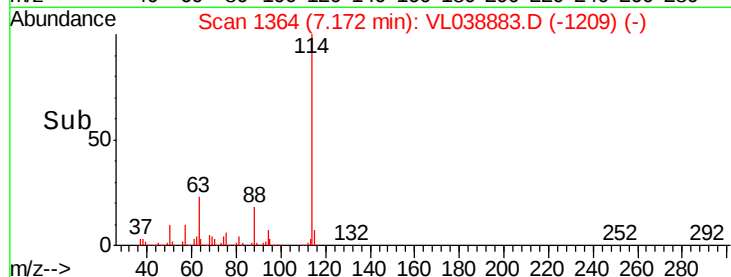
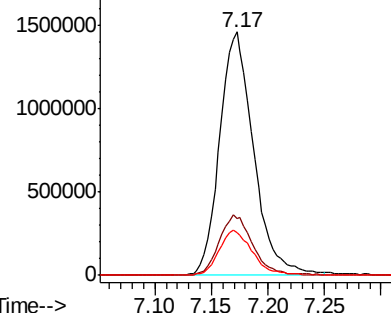
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min
 Delta R.T.: MSVOA_1
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 23:37

Tot Ion:114 Resp: 3056522

Ion	Ratio	Lower	Upper
114	100		
63	24.8	19.8	29.8
88	18.4	14.2	21.4



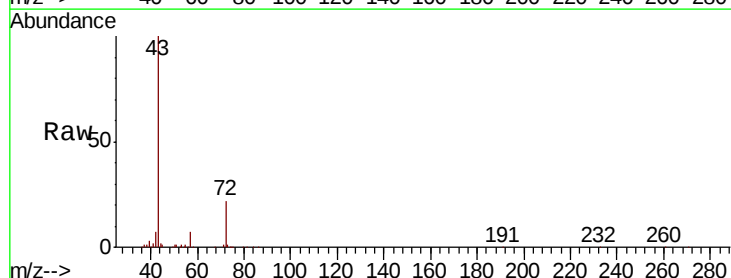
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



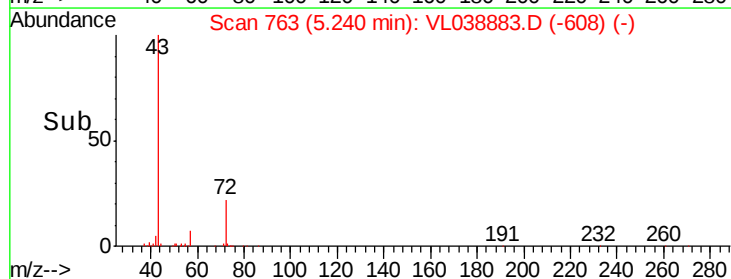
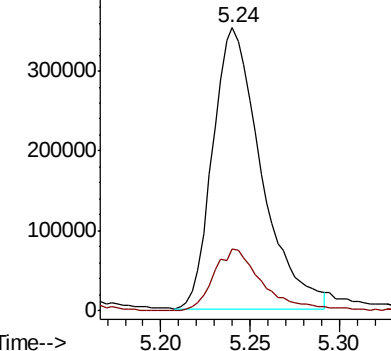
#34
 2-Butanone
 Concen: 5.497 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T.: -0.00 min
 Lab File: VL038883.D
 Acq: 11 Apr 2022 23:37

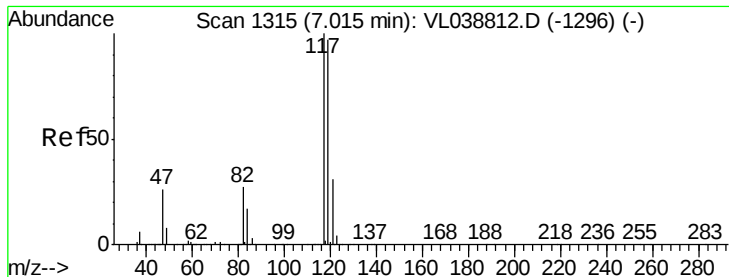
Tgt Ion: 43 Resp: 663909

Ion	Ratio	Lower	Upper
43	100		
72	22.5	16.9	25.3



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.067 ppbv

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 Apr 2022 23:37

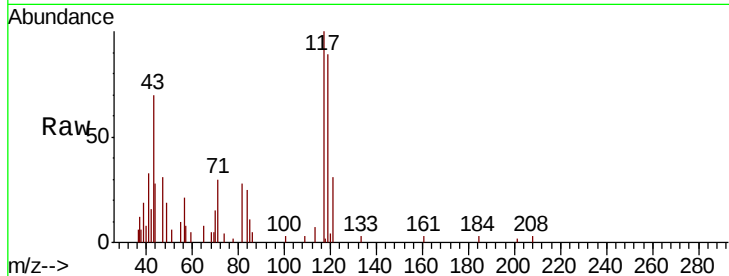
Tot Ion: 117 Resp: 12311

Ion Ratio Lower Upper

117 100

119 84.5 77.7 116.5

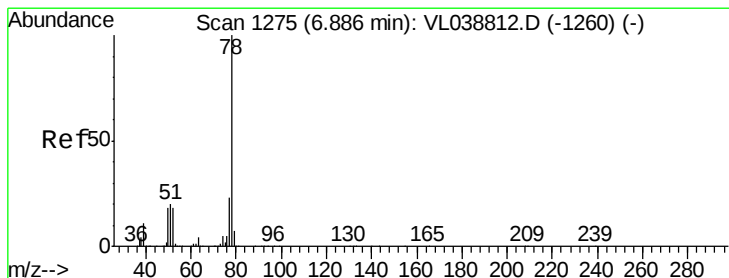
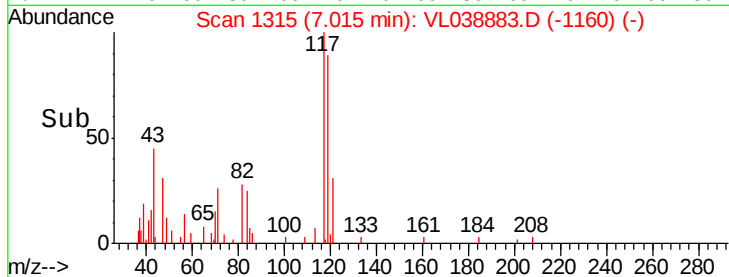
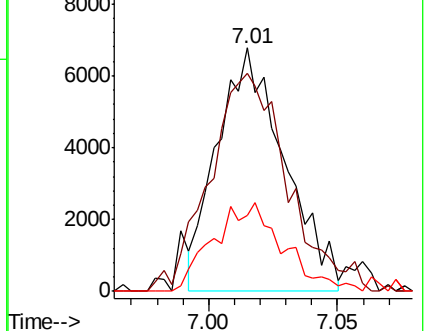
121 30.5 24.5 36.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.455 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VL038883.D

Acq: 11 Apr 2022 23:37

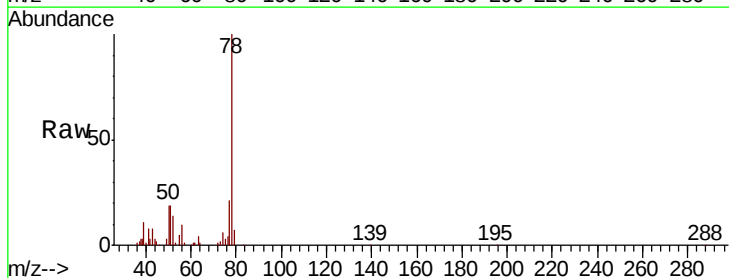
Tgt Ion: 78 Resp: 126562

Ion Ratio Lower Upper

78 100

77 20.7 18.2 27.2

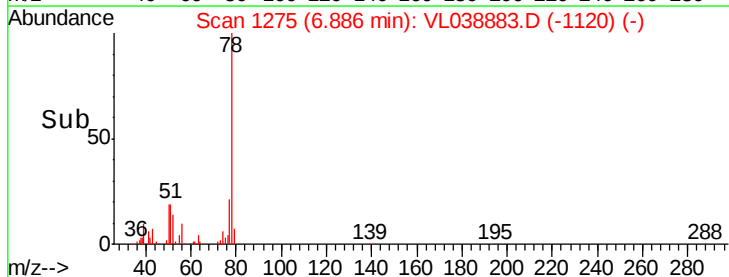
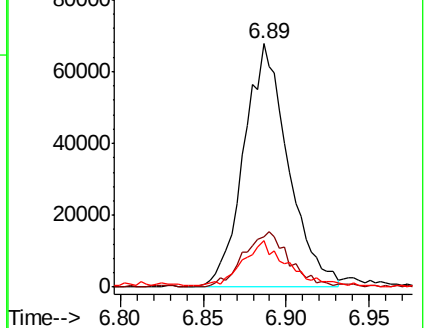
50 18.3 14.0 21.0

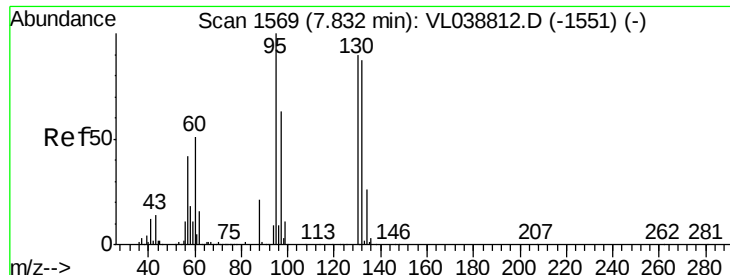


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#38

Trichloroethene

Concen: 0.068 ppbv

RT: 7.83 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 11 Apr 2022 23:37

Tot Ion:130 Resp: 7804

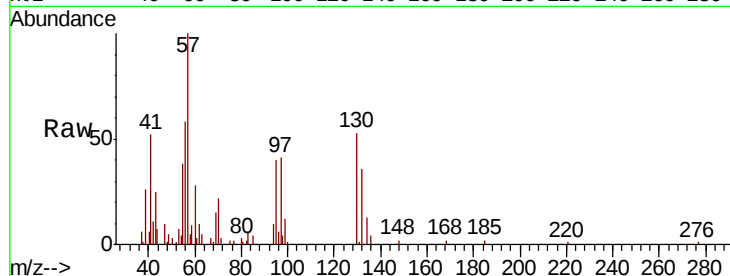
Ion Ratio Lower Upper

130 100

95 63.9 89.4 134.0#

132 50.2 77.7 116.5#

97 77.5 56.0 84.0

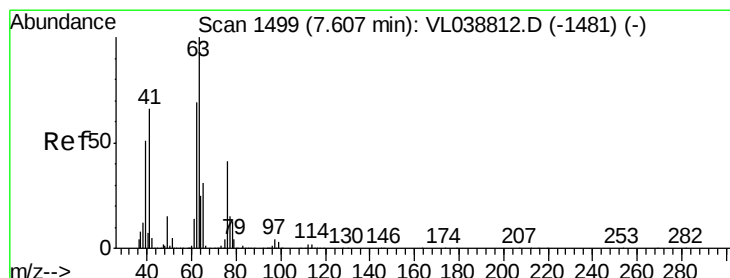
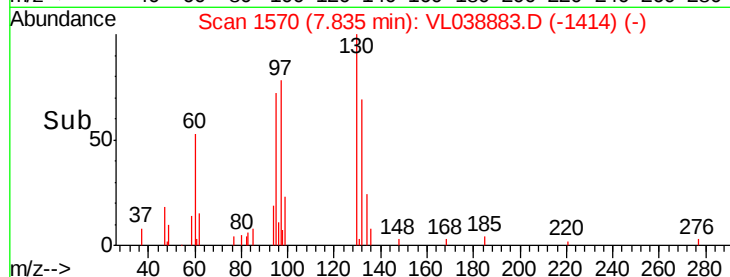
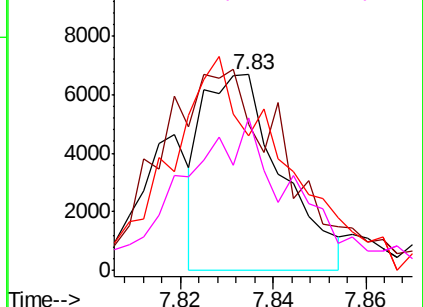


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 7.028 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.44 min

Lab File: VL038883.D

Acq: 11 Apr 2022 23:37

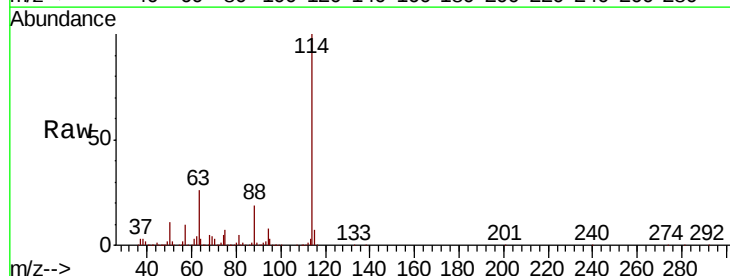
Tgt Ion: 63 Resp: 747445

Ion Ratio Lower Upper

63 100

41 0.0 53.0 79.6#

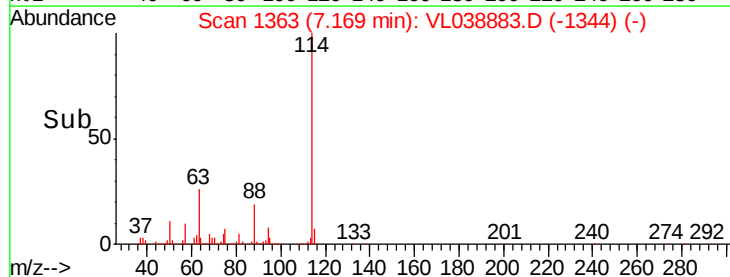
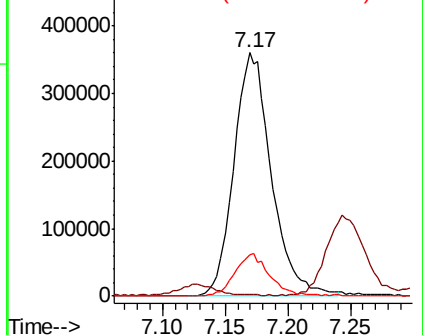
62 17.1 55.0 82.4#

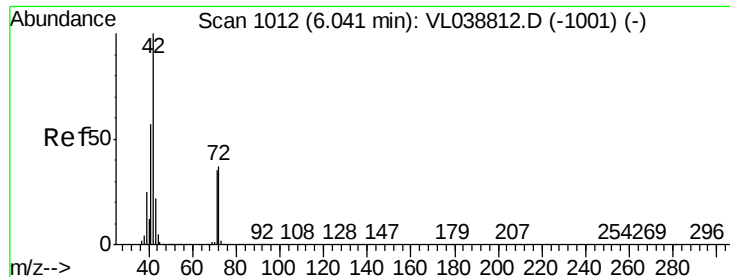


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.427 ppbv

RT: 6.05 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-5

Acq: 11 Apr 2022 23:37

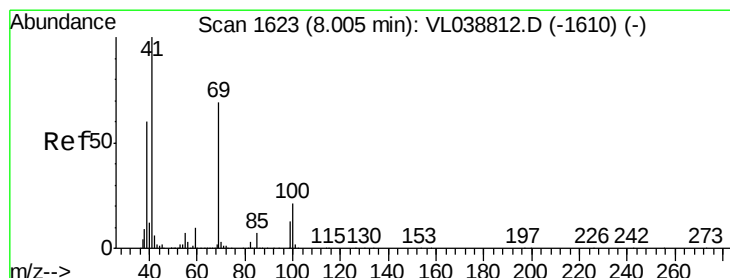
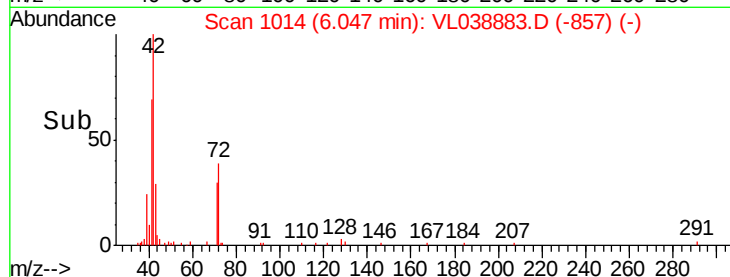
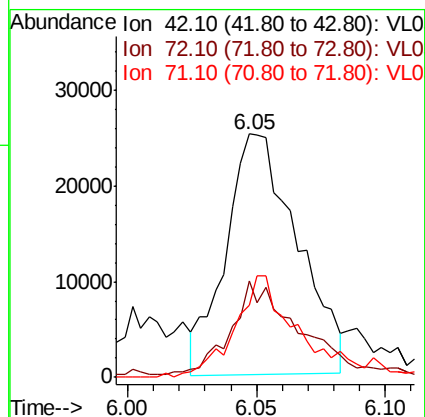
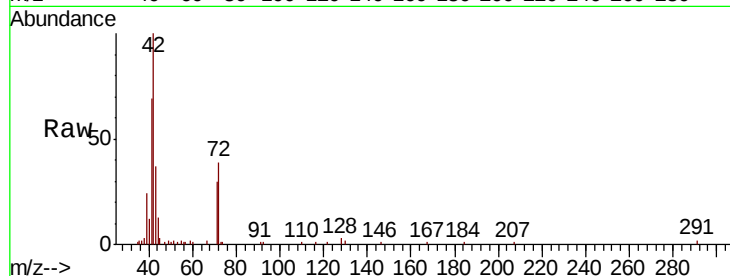
Tot Ion: 42 Resp: 48923

Ion Ratio Lower Upper

42 100

72 42.6 31.4 47.0

71 39.9 30.2 45.4



#43

Methyl Methacrylate

Concen: 0.035 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. -0.00 min

Lab File: VL038883.D

Acq: 11 Apr 2022 23:37

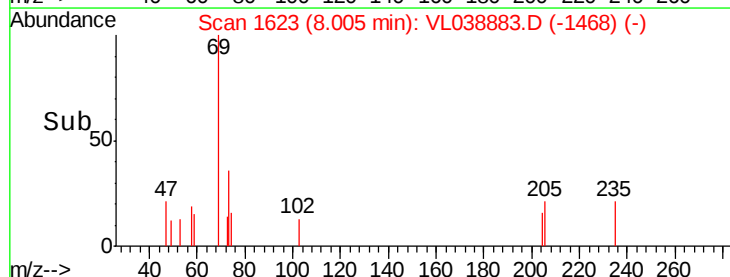
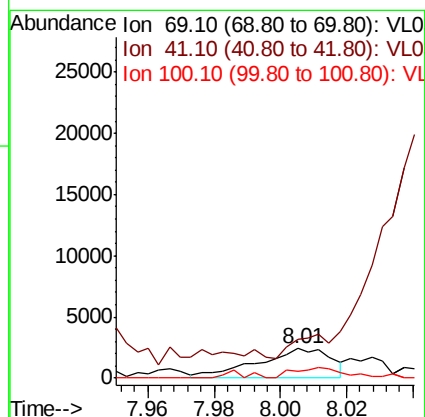
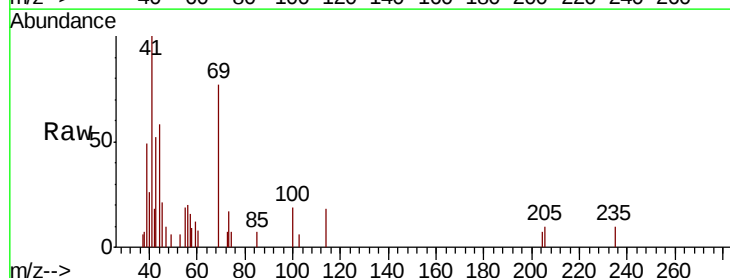
Tgt Ion: 69 Resp: 3753

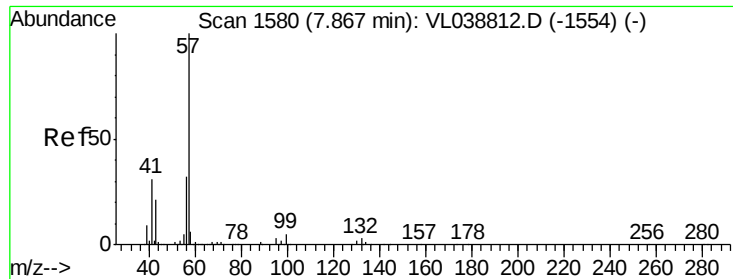
Ion Ratio Lower Upper

69 100

41 0.0 119.0 178.4#

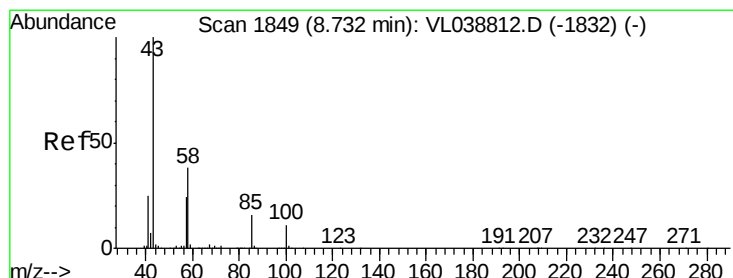
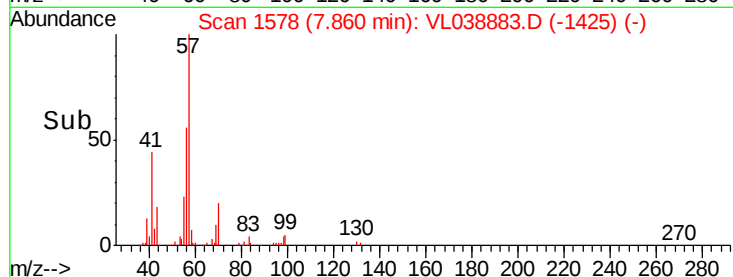
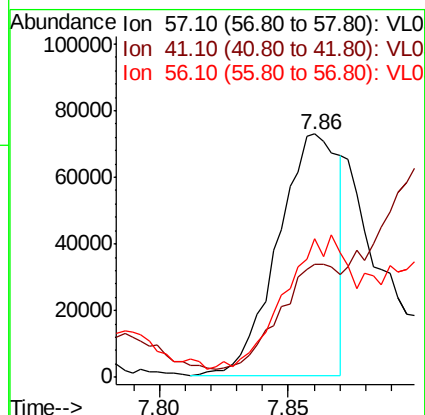
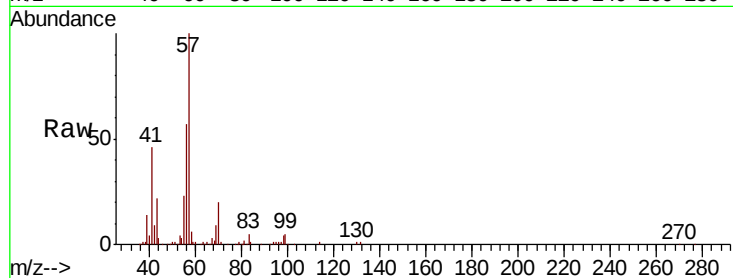
100 0.0 26.4 39.6#





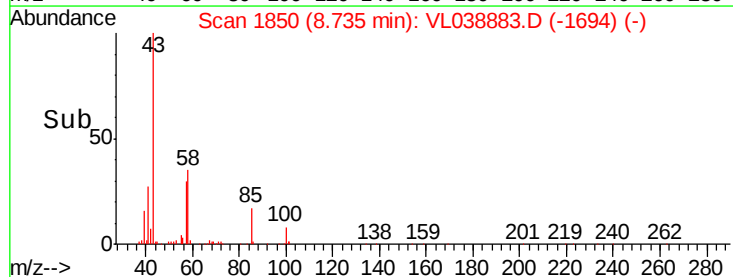
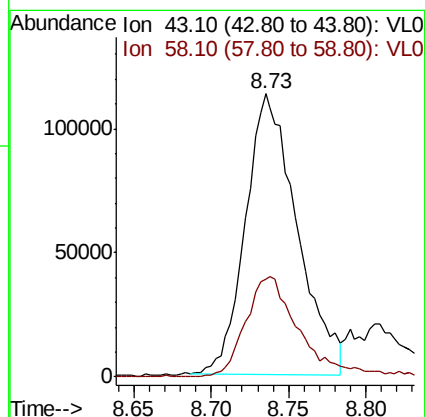
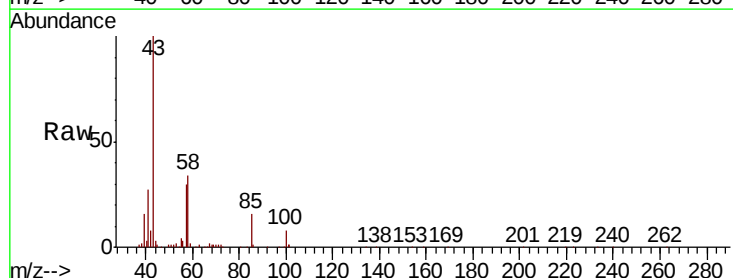
#44
 2,2,4-Trimethylpentane
 Concen: 0.252 ppbv
 RT: 7.86
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 23:37

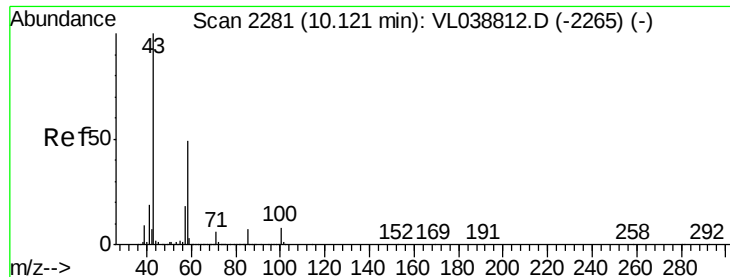
Tot Ion: 57 Resp: 118584
 Ion Ratio Lower Upper
 57 100
 41 0.0 25.0 37.4#
 56 79.3 25.3 37.9#



#50
 4-Methyl-2-Pentanone
 Concen: 0.969 ppbv
 RT: 8.73 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: VL038883.D
 Acq: 11 Apr 2022 23:37

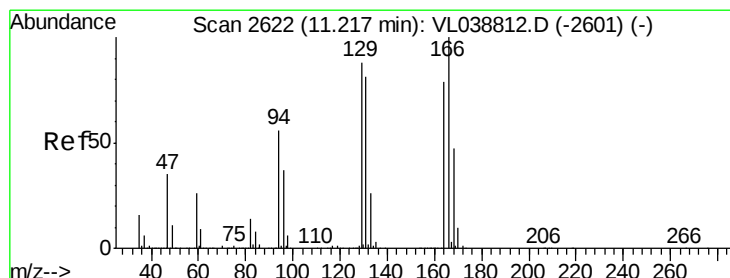
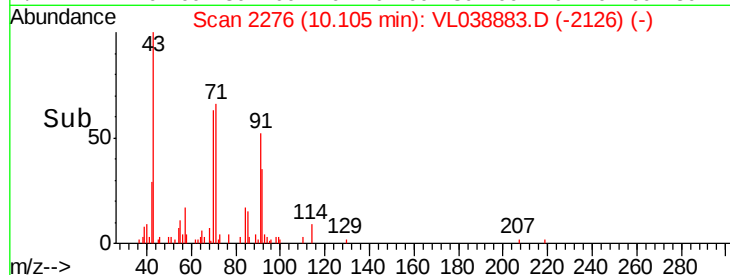
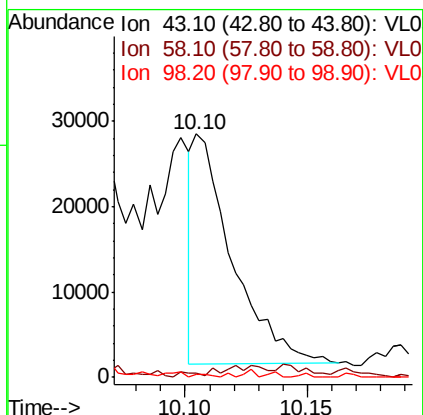
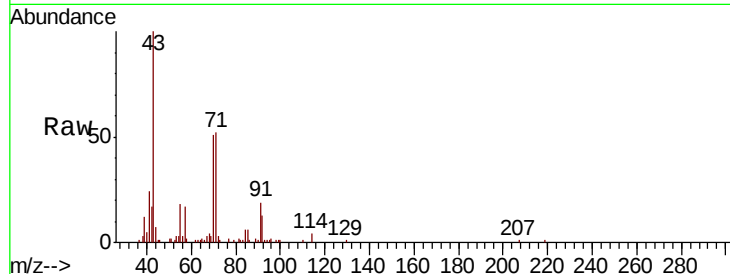
Tgt Ion: 43 Resp: 263253
 Ion Ratio Lower Upper
 43 100
 58 38.2 29.0 43.6





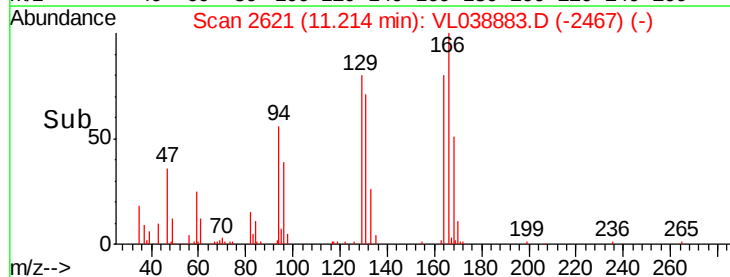
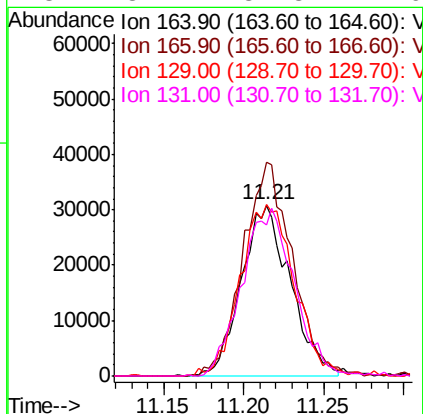
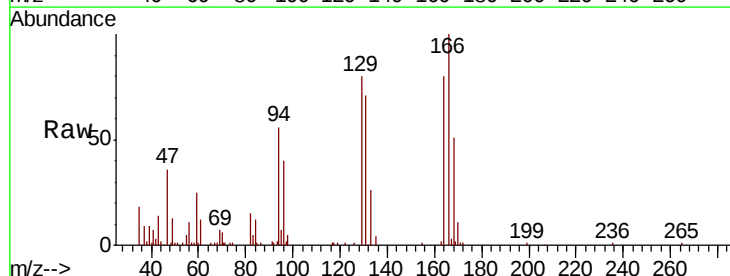
#51
2-Hexanone
Concen: 0.145 ppbv
RT: 10.10 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 11 Apr 2022 23:37

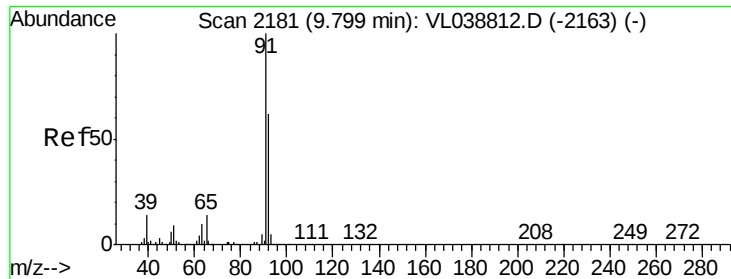
Tot Ion: 43 Resp: 29744
Ion Ratio Lower Upper
43 100
58 13.3 41.4 62.0#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.665 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.00 min
Lab File: VL038883.D
Acq: 11 Apr 2022 23:37

Tgt Ion: 164 Resp: 64562
Ion Ratio Lower Upper
164 100
166 125.3 101.0 151.6
129 100.0 88.7 133.1
131 87.7 81.8 122.6





#53

Toluene

Concen: 27.345 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

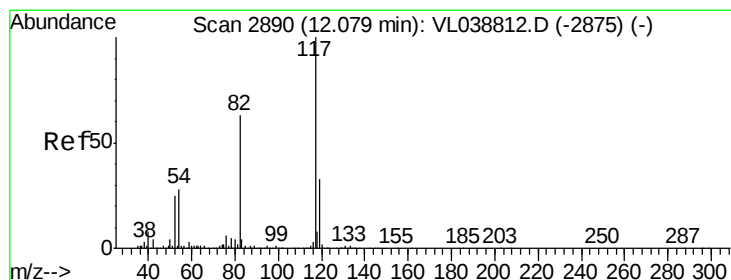
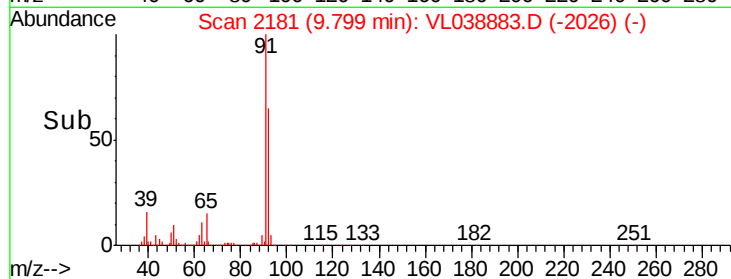
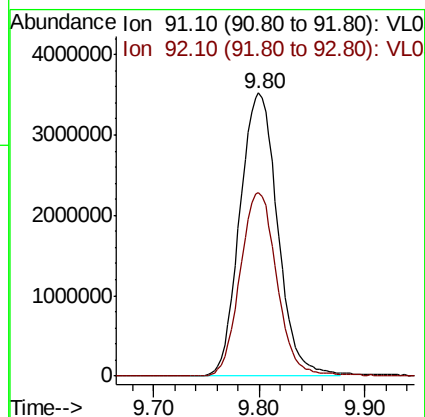
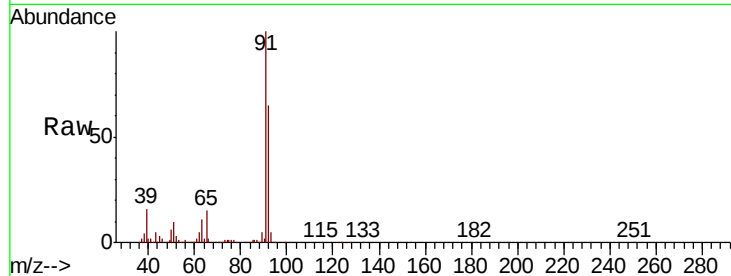
Acq: 11 Apr 2022 23:37

Tot Ion: 91 Resp: 8777415

Ion Ratio Lower Upper

91 100

92 63.9 49.2 73.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. -0.00 min

Lab File: VL038883.D

Acq: 11 Apr 2022 23:37

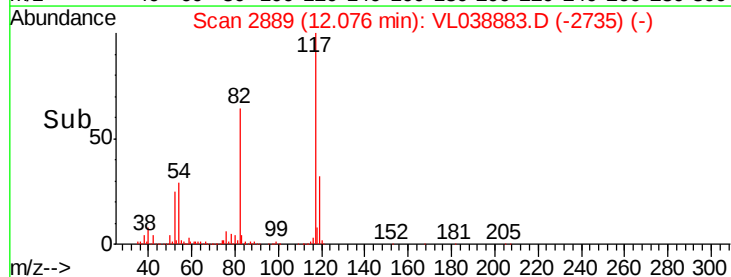
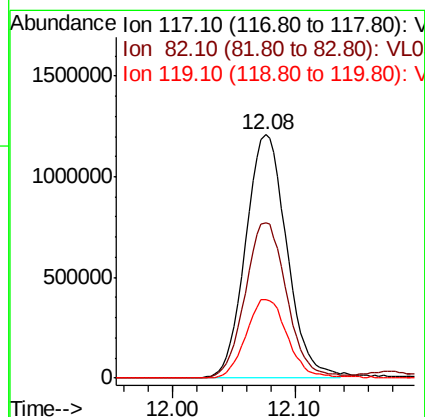
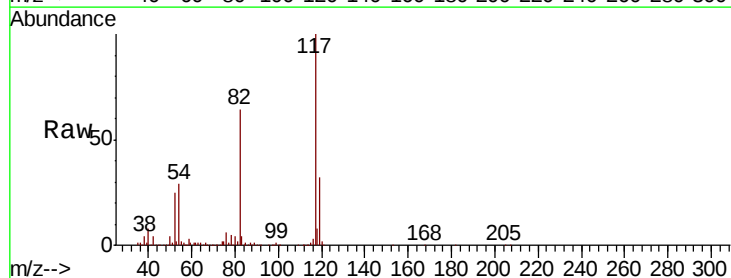
Tgt Ion: 117 Resp: 2818541

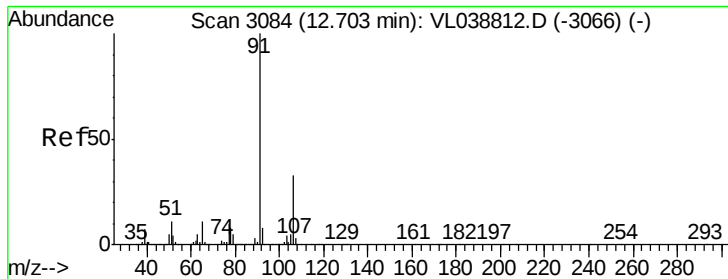
Ion Ratio Lower Upper

117 100

82 64.3 53.0 79.6

119 33.0 24.9 37.3





#58

Ethyl Benzene

Concen: 1.057 ppbv

RT: 12.70 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

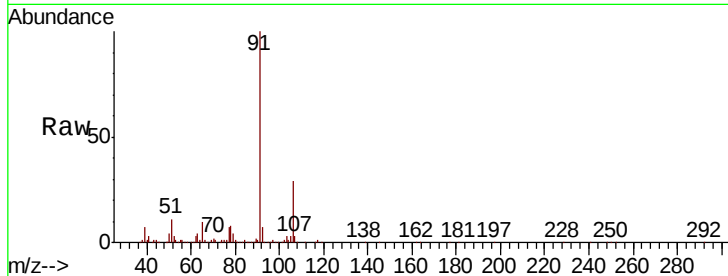
Acq: 11 Apr 2022 23:37

Tot Ion: 91 Resp: 445304

Ion Ratio Lower Upper

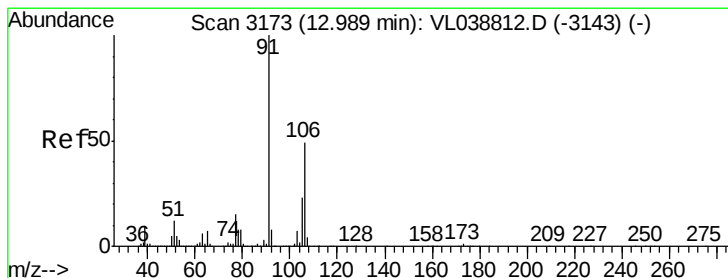
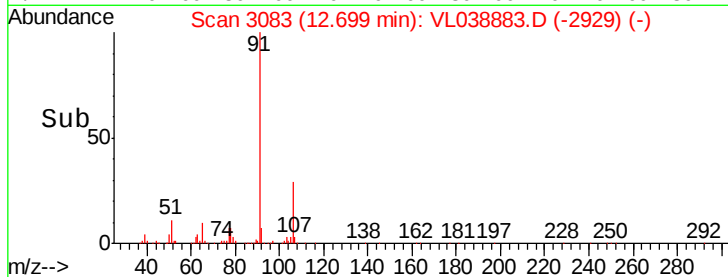
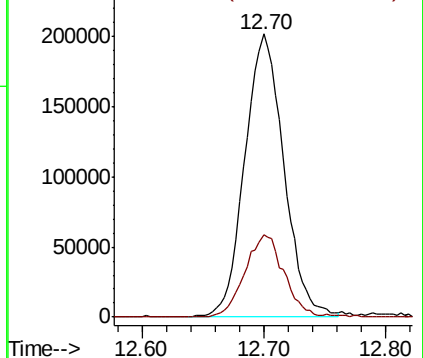
91 100

106 29.3 26.7 40.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 3.655 ppbv

RT: 12.95 min Scan# 3162

Delta R.T. -0.04 min

Lab File: VL038883.D

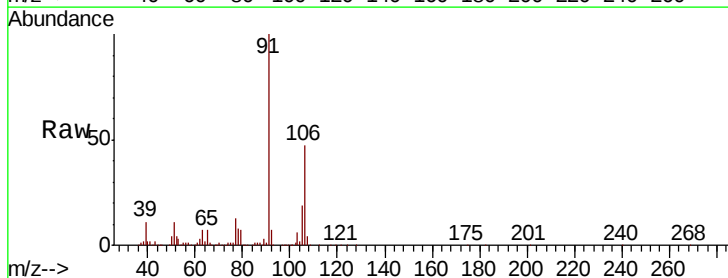
Acq: 11 Apr 2022 23:37

Tgt Ion: 91 Resp: 1293241

Ion Ratio Lower Upper

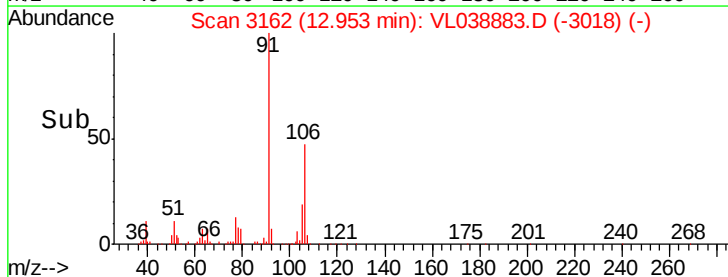
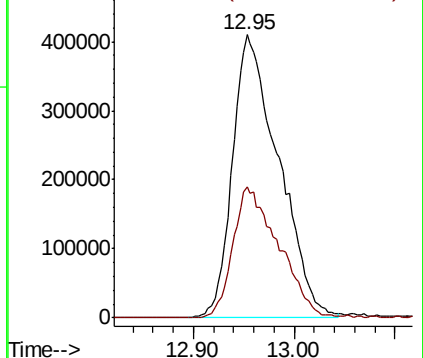
91 100

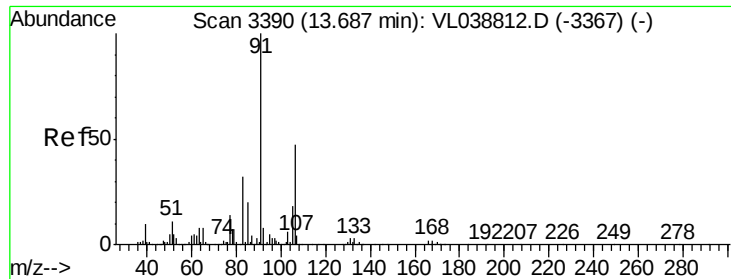
106 46.7 37.1 55.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

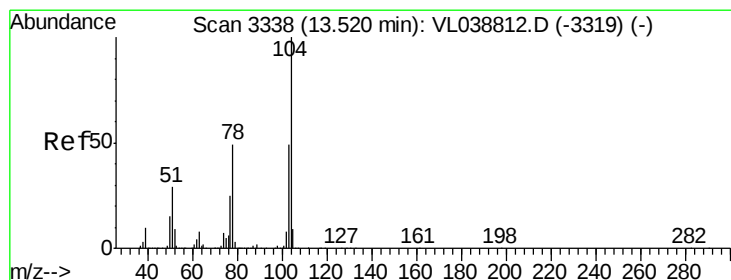
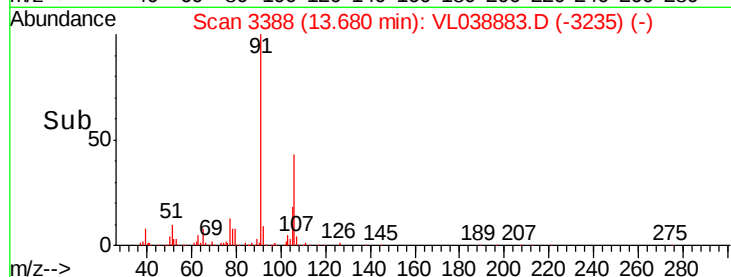
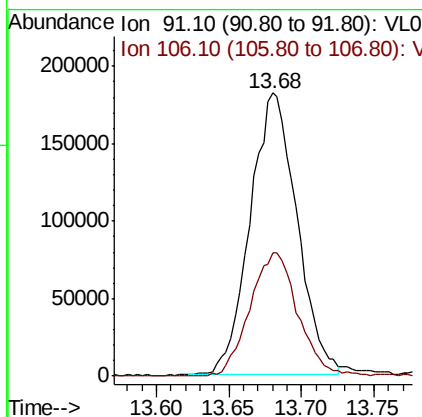
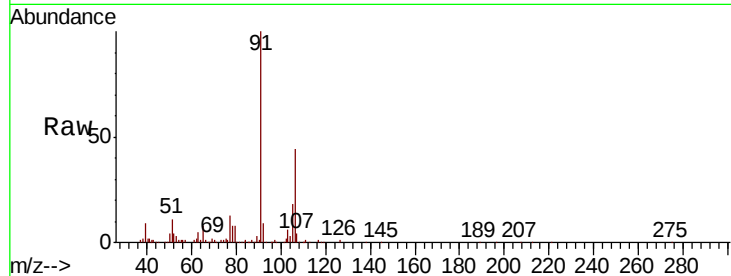
Ion 106.10 (105.80 to 106.80): V





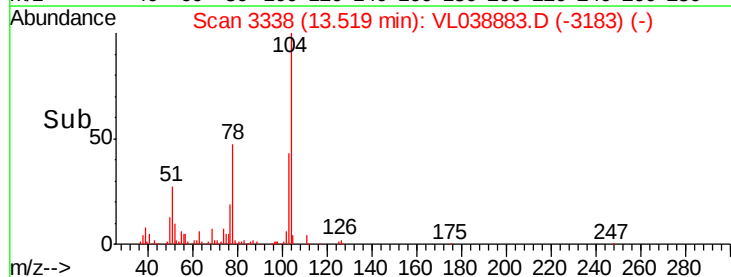
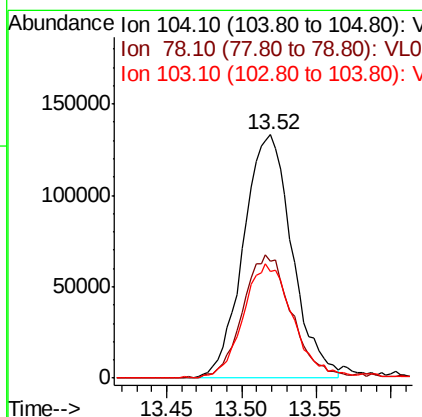
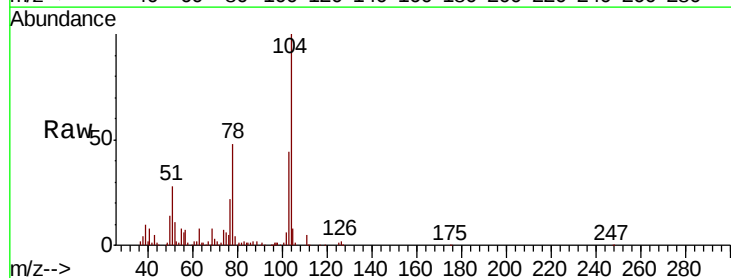
#60
o-Xylene
Concen: 1.236 ppbv
RT: 13.68 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 11 Apr 2022 23:37

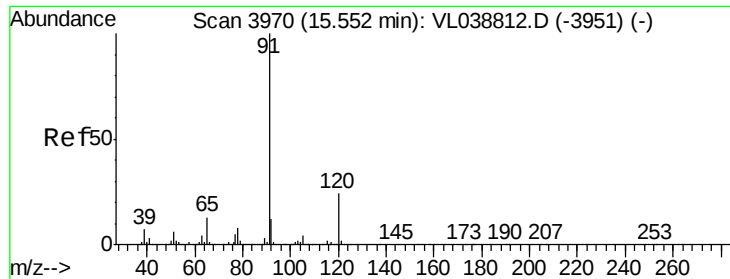
Tot Ion: 91 Resp: 409301
Ion Ratio Lower Upper
91 100
106 45.1 23.8 71.4



#61
Styrene
Concen: 1.496 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.00 min
Lab File: VL038883.D
Acq: 11 Apr 2022 23:37

Tgt Ion: 104 Resp: 301859
Ion Ratio Lower Upper
104 100
78 51.7 40.5 60.7
103 48.6 39.0 58.4





#64

n-propylbenzene

Concen: 0.071 ppbv

RT: 15.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

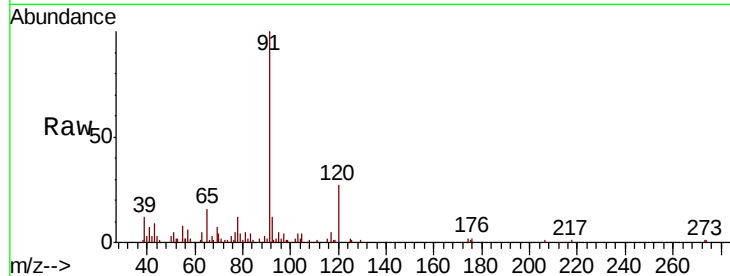
Acq: 11 Apr 2022 23:37

Tot Ion:120 Resp: 9219

Ion Ratio Lower Upper

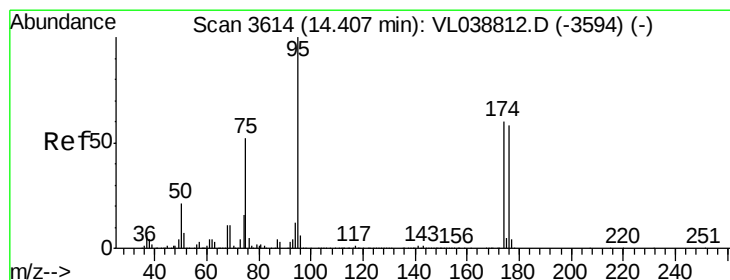
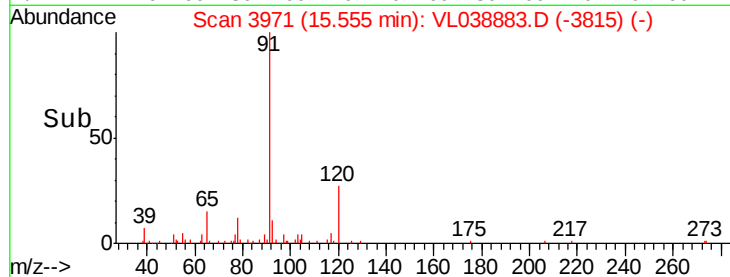
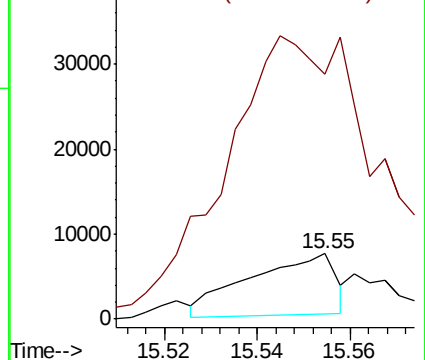
120 100

91 877.7 360.6 540.8#



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: 10.459 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.00 min

Lab File: VL038883.D

Acq: 11 Apr 2022 23:37

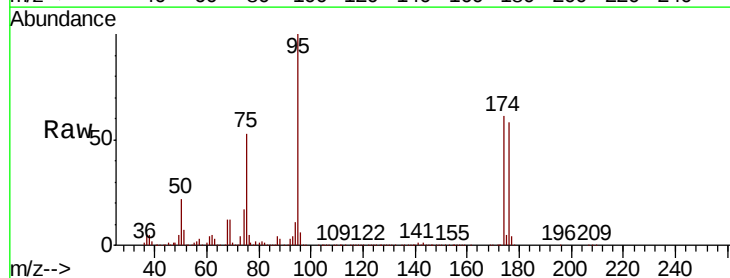
Tgt Ion: 95 Resp: 2236110

Ion Ratio Lower Upper

95 100

174 63.2 52.0 78.0

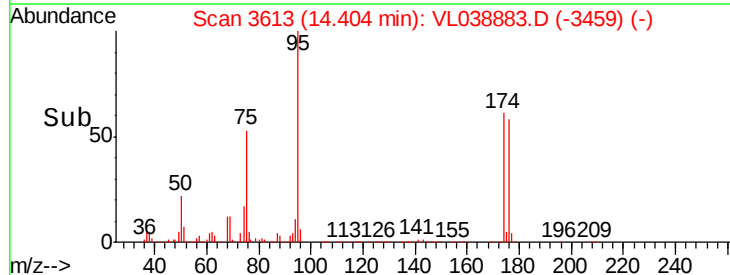
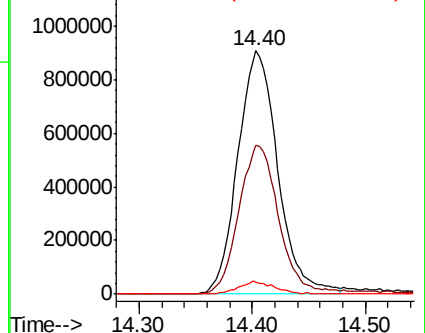
175 4.8 4.0 6.0

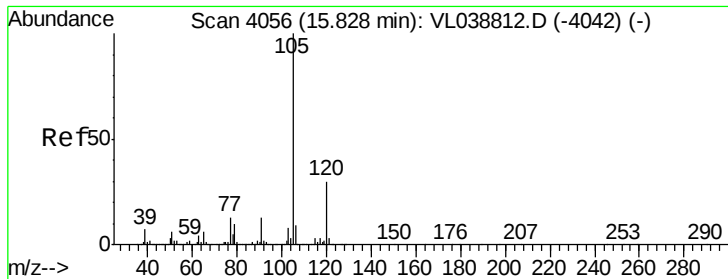


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#72

4-Ethyltoluene

Concen: 0.242 ppbv

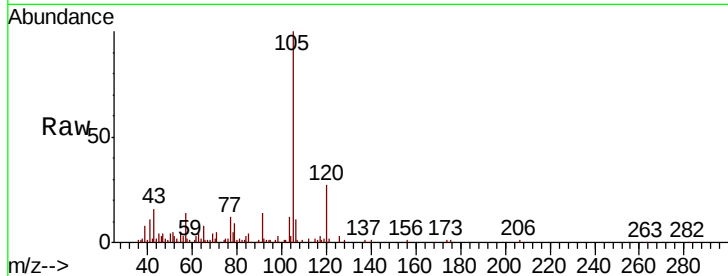
RT: 15.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 11 Apr 2022 23:37

Tot Ion:	105	Resp:	95527
Ion	Ratio	Lower	Upper
105	100		
120	29.6	24.3	36.5
91	13.5	9.4	14.2
77	15.2	10.6	15.8



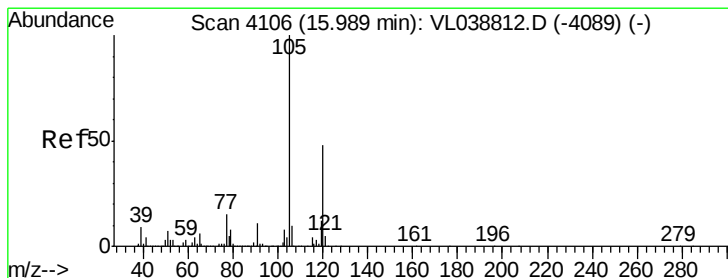
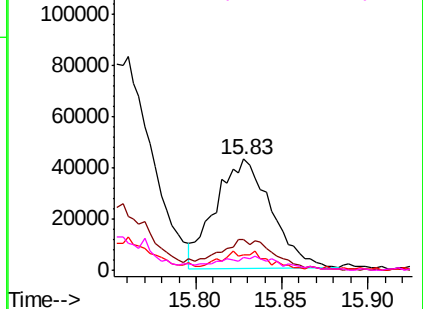
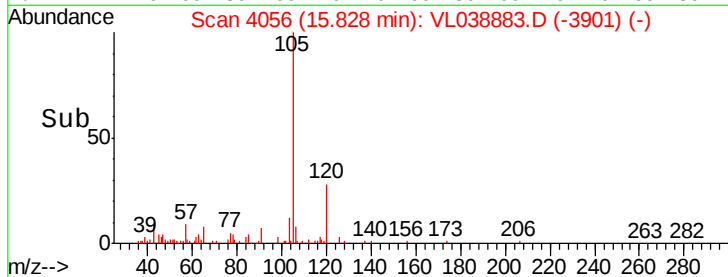
Abundance

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



#73

1,3,5-Trimethylbenzene

Concen: 0.111 ppbv

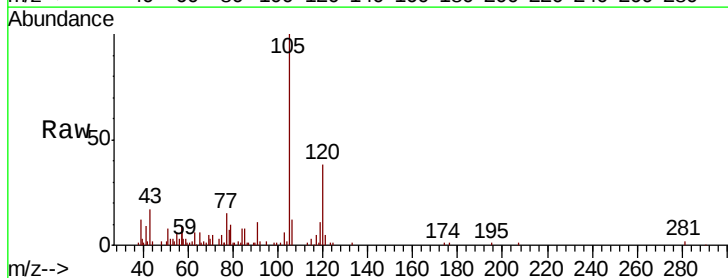
RT: 15.98 min Scan# 4104

Delta R.T. -0.01 min

Lab File: VL038883.D

Acq: 11 Apr 2022 23:37

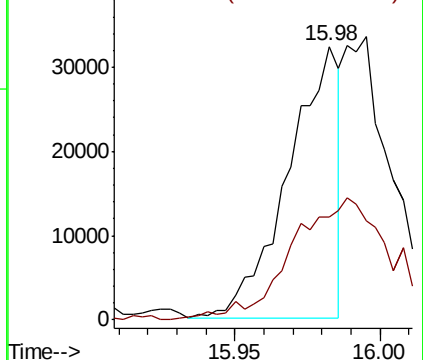
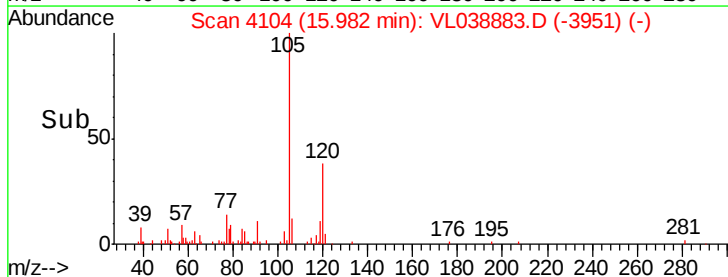
Tgt Ion:	105	Resp:	39468
Ion	Ratio	Lower	Upper
105	100		
120	37.0	38.7	58.1#

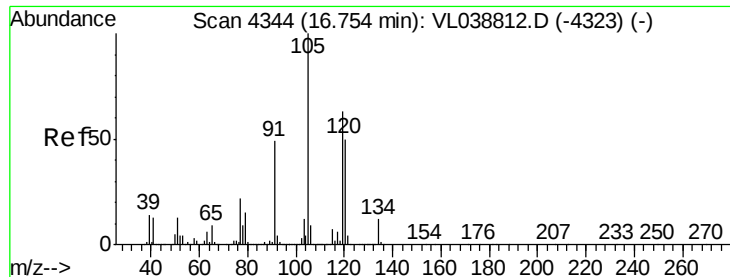


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.692 ppbv

RT: 16.75 min

Delta R.T.

Lab File:

Acq: 11 Apr 2022 23:37

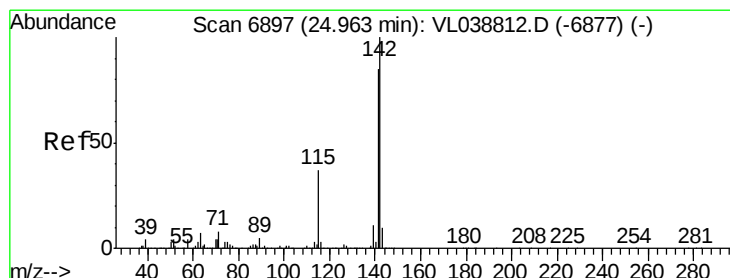
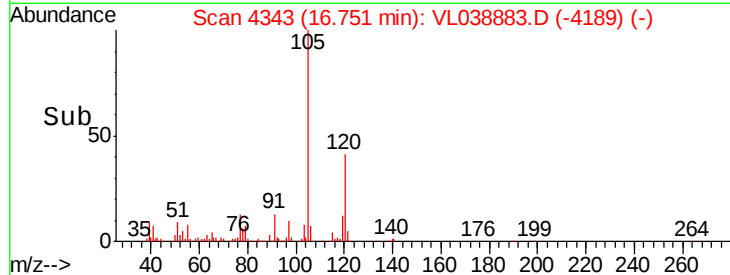
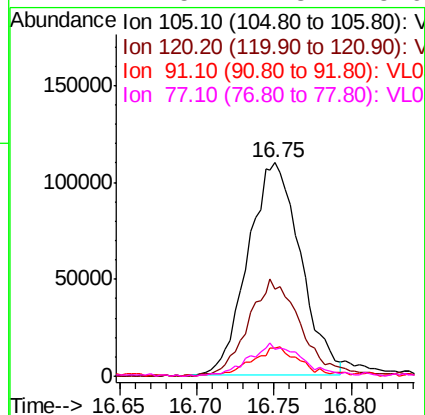
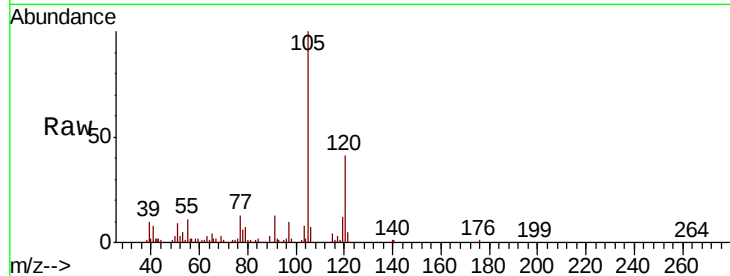
Instrument:

MSVOA_L

ClientSampleId:

1A-5

Tot Ion:	105	Resp:	259910
Ion	Ratio	Lower	Upper
105	100		
120	40.7	39.8	59.8
91	13.0	39.4	59.0
77	12.5	17.3	25.9



#80

Naphthalene, 2-methyl-

Concen: 0.034 ppbv

RT: 25.29 min Scan# 6998

Delta R.T. 0.32 min

Lab File: VL038883.D

Acq: 11 Apr 2022 23:37

Tgt Ion:	142	Resp:	2366
Ion	Ratio	Lower	Upper
142	100		
141	78.0	68.8	103.2
115	36.4	31.6	47.4

