

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
 Data File : VL038926.D
 Acq On : 14 Apr 2022 20:43
 Operator : SY/AP
 Sample : N2259-01
 Misc : 400mL/MSVOA L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 15 08:07:52 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	5.67	49	1003027	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2233308	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2014796	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1772925	11.60	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	116.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	112943	0.794	ppbv 99
3) Chlorodifluoromethane	2.97	51	1012700	8.273	ppbv # 63
4) Chloromethane	3.15	50	33623	0.530	ppbv 90
8) Dichlorotetrafluoroethane	3.05	85	112943	0.850	ppbv # 14
9) Propene	3.21	41	90346	1.395	ppbv 87
10) Heptane	8.13	43	1073793	6.582	ppbv 96
11) Trichlorofluoromethane	3.95	101	352751	3.086	ppbv 95
13) Ethanol	3.60	45	549113	139.515	ppbv # 100
15) Acetone	3.85	43	16895142	169.188	ppbv # 88
16) 1,3-Butadiene	3.36	39	104089	1.823	ppbv # 20
17) tert-Butyl alcohol	4.13	59	12139	0.136	ppbv # 1
19) Isopropyl Alcohol	3.97	45	306802	6.011	ppbv # 100
20) Methylene Chloride	4.35	84	420008	11.597	ppbv 95
21) Allyl Chloride	4.38	41	2875	0.038	ppbv # 22
23) Vinyl Acetate	5.08	43	4507	0.046	ppbv # 73
25) Ethyl Acetate	5.69	43	324041	1.279	ppbv # 89
26) Hexane	5.69	57	297408	2.579	ppbv # 54
30) Cyclohexane	7.14	84	20939	0.206	ppbv # 30
34) 2-Butanone	5.25	43	125535	1.423	ppbv 94
36) Benzene	6.90	78	112681	0.555	ppbv # 90
39) 1,2-Dichloropropane	7.18	63	641432	8.254	ppbv # 27
42) Bromodichloromethane	7.79	83	10403	0.071	ppbv # 34
44) 2,2,4-Trimethylpentane	7.87	57	105243	0.306	ppbv # 1
50) 4-Methyl-2-Pentanone	8.75	43	185033	0.932	ppbv 99
51) 2-Hexanone	10.12	43	12429	0.083	ppbv # 57
53) Toluene	9.81	91	8225386	35.071	ppbv 98
58) Ethyl Benzene	12.71	91	159807	0.531	ppbv 93
59) m/p-Xylene	12.96	91	866498	3.426	ppbv 96
60) o-Xylene	13.69	91	214542	0.906	ppbv 74
61) Styrene	13.53	104	10769	0.075	ppbv # 35
62) Isopropylbenzene	14.67	105	24811	0.070	ppbv # 64
64) n-propylbenzene	15.57	120	12908	0.140	ppbv # 1
65) tert-Butylbenzene	16.76	119	38082	0.121	ppbv # 1
67) sec-Butylbenzene	17.30	105	48074	0.109	ppbv 99
70) n-Butylbenzene	18.56	91	46193	0.126	ppbv # 1
72) 4-Ethyltoluene	15.84	105	103854	0.367	ppbv # 61
73) 1,3,5-Trimethylbenzene	16.00	105	74791	0.295	ppbv 87
74) 1,2,4-Trimethylbenzene	16.76	105	613164	2.285	ppbv # 67
79) Naphthalene	22.20	128	6152	0.031	ppbv # 69
80) Naphthalene,2-methyl-	24.98	142	4871	0.098	ppbv # 9

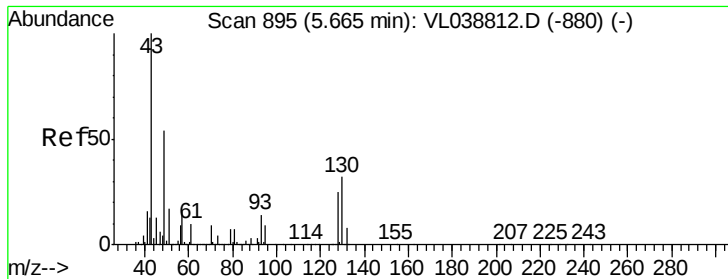
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
Data File : VL038926.D
Acq On : 14 Apr 2022 20:43
Operator : SY/AP
Sample : N2259-01
Misc : 400mL/MSVOA L
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Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Apr 15 08:07:52 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 20:43

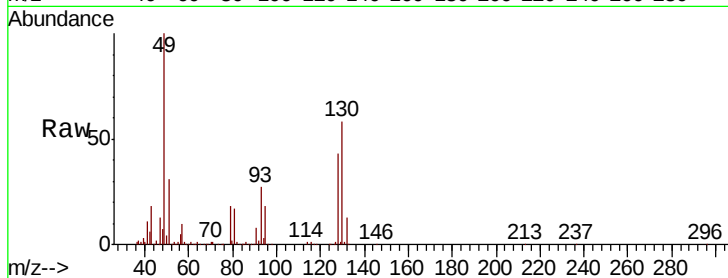
Tot Ion: 49 Resp: 1003027

Ion	Ratio	Lower	Upper
49	100		
128	44.9	24.1	72.3
130	58.4	30.9	92.8

49 100

128 44.9 24.1 72.3

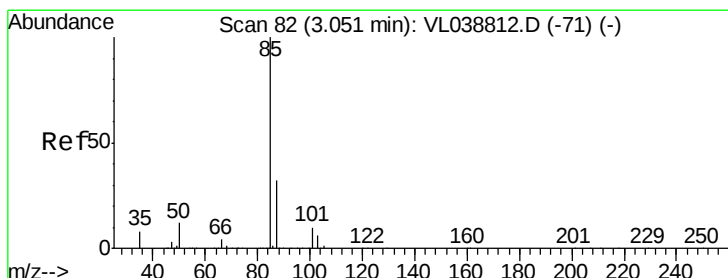
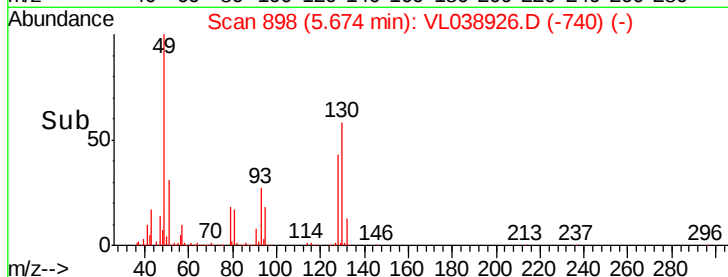
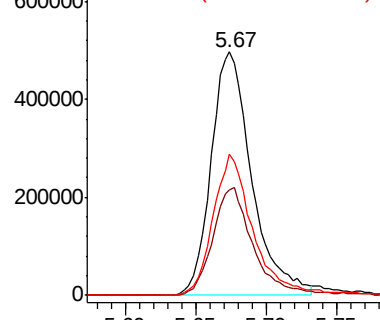
130 58.4 30.9 92.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.794 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL038926.D

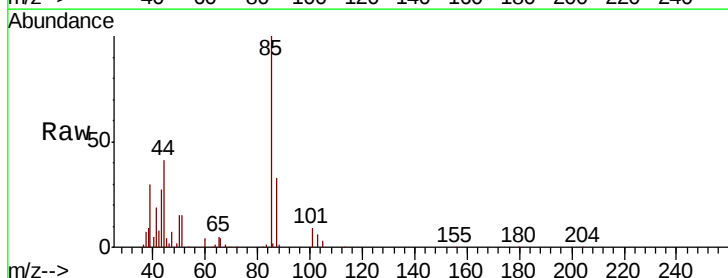
Acq: 14 Apr 2022 20:43

Tgt Ion: 85 Resp: 112943

Ion	Ratio	Lower	Upper
85	100		
87	32.9	25.9	38.9

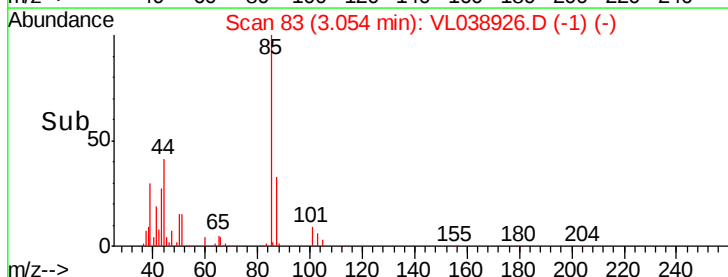
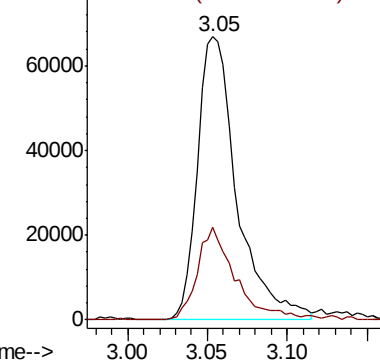
85 100

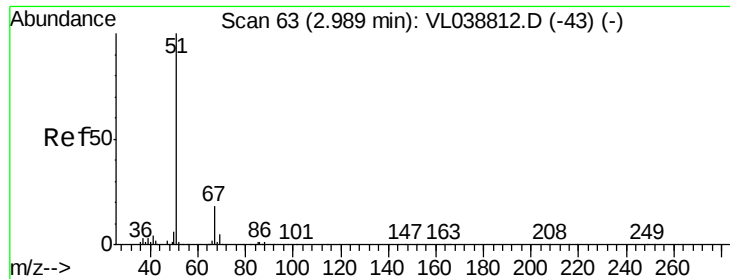
87 32.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.273 ppbv

RT: 2.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

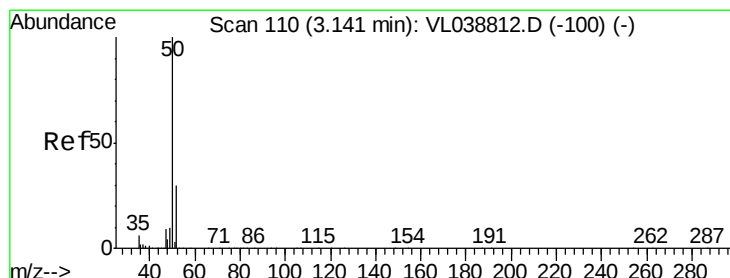
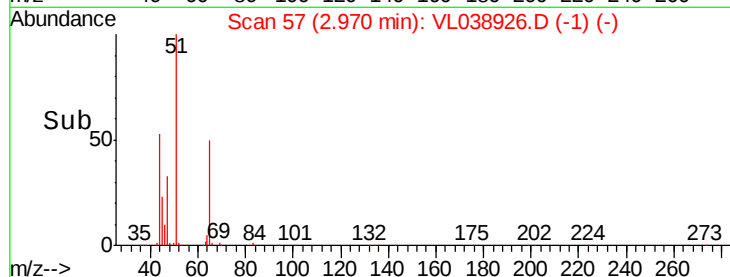
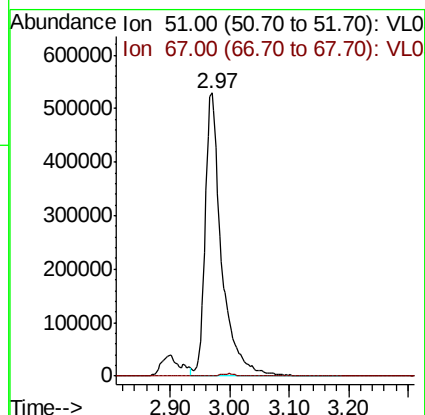
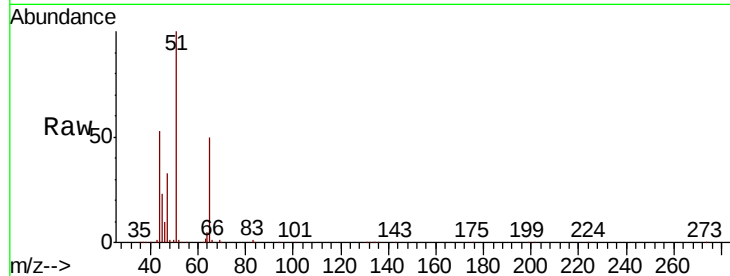
Acq: 14 Apr 2022 20:43

Tot Ion: 51 Resp: 1012700

Ion Ratio Lower Upper

51 100

67 0.9 13.4 20.0#



#4

Chloromethane

Concen: 0.530 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL038926.D

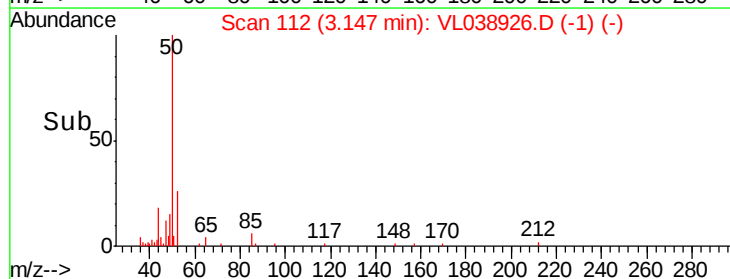
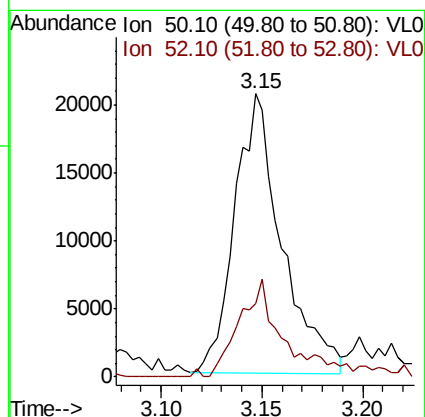
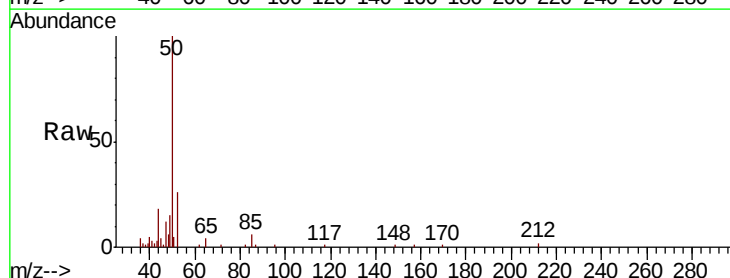
Acq: 14 Apr 2022 20:43

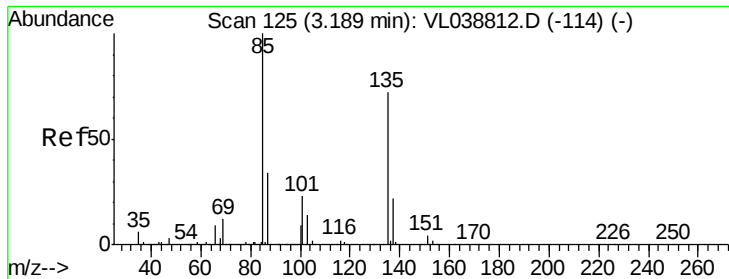
Tgt Ion: 50 Resp: 33623

Ion Ratio Lower Upper

50 100

52 24.9 24.3 36.5





#8

Dichlorotetrafluoroethane

Concen: 0.850 ppbv

RT: 3.05 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

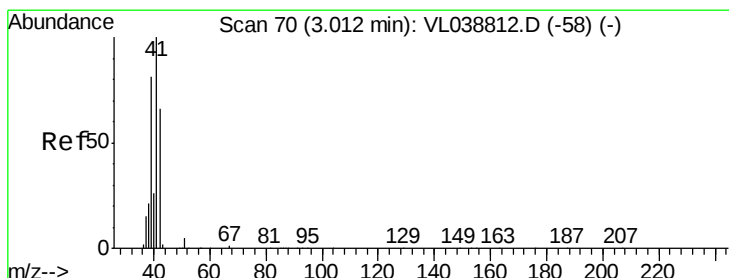
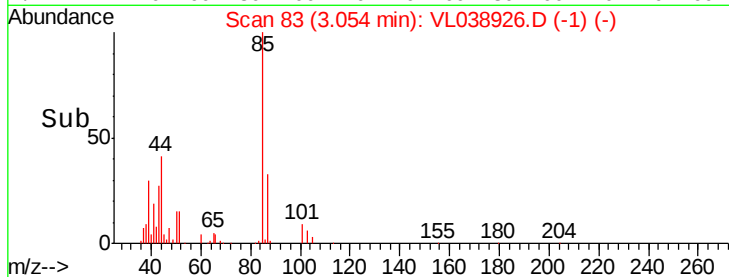
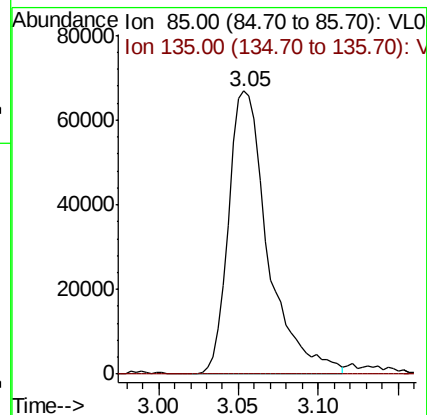
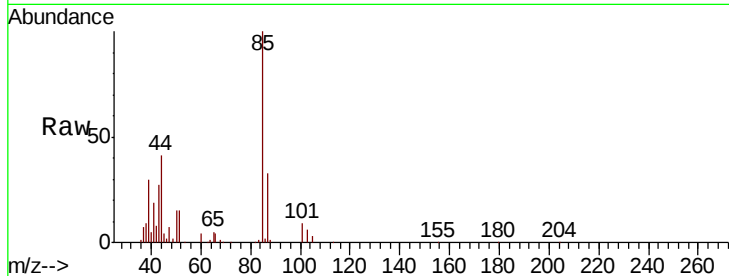
Acq: 14 Apr 2022 20:43

Tot Ion: 85 Resp: 112943

Ion Ratio Lower Upper

85 100

135 0.1 57.0 85.6#



#9

Propene

Concen: 1.395 ppbv

RT: 3.21 min Scan# 131

Delta R.T. 0.20 min

Lab File: VL038926.D

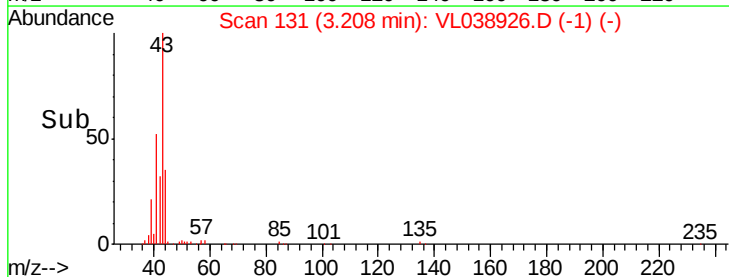
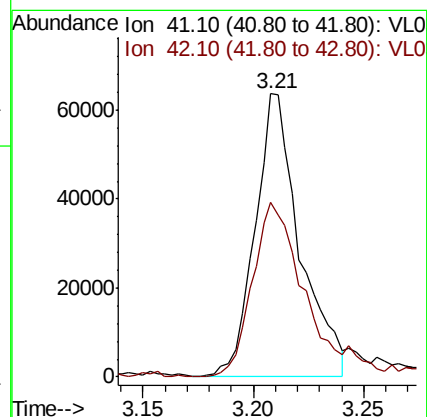
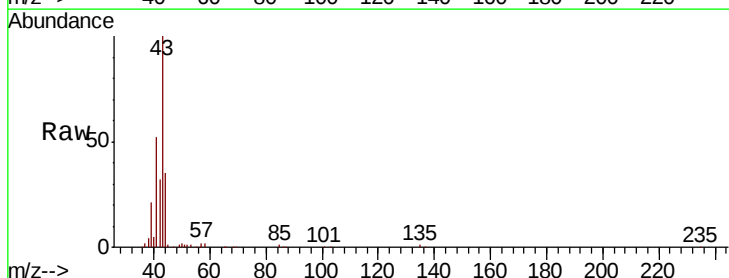
Acq: 14 Apr 2022 20:43

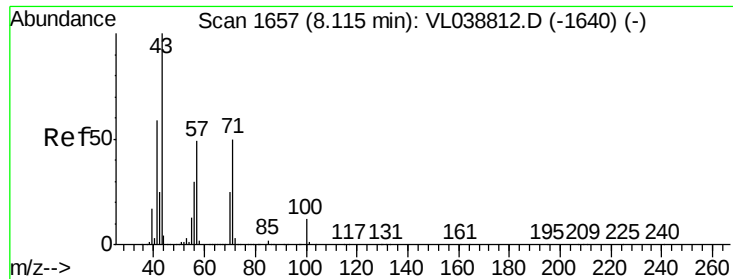
Tgt Ion: 41 Resp: 90346

Ion Ratio Lower Upper

41 100

42 78.6 54.2 81.4





#10

Heptane

Concen: 6.582 ppbv

RT: 8.13 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

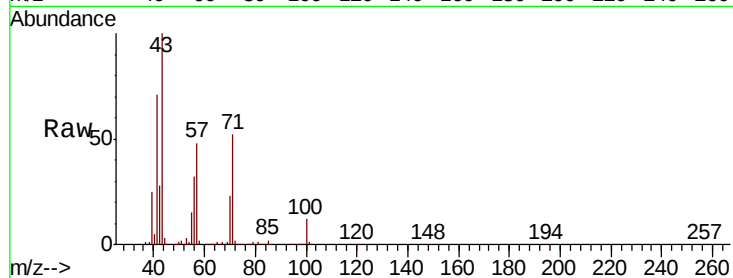
Acq: 14 Apr 2022 20:43

Tot Ion: 43 Resp: 1073793

Ion Ratio Lower Upper

43 100

57 51.7 39.3 58.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.13

500000

400000

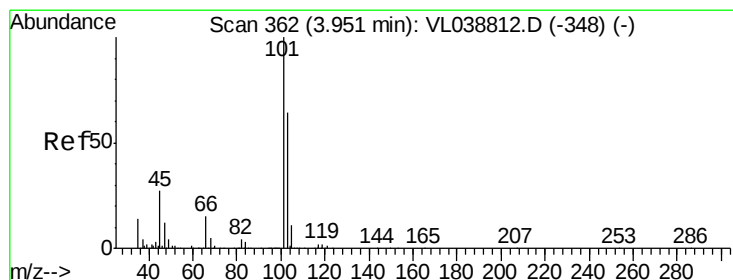
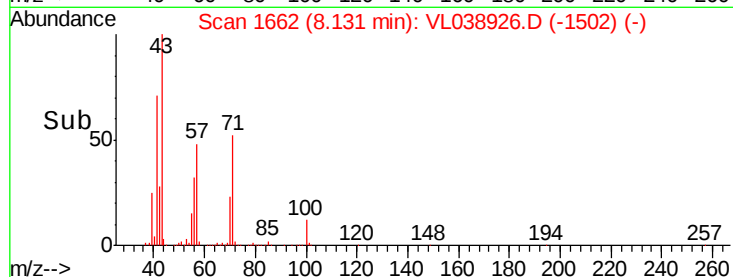
300000

200000

100000

0

Time-->



#11

Trichlorofluoromethane

Concen: 3.086 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VL038926.D

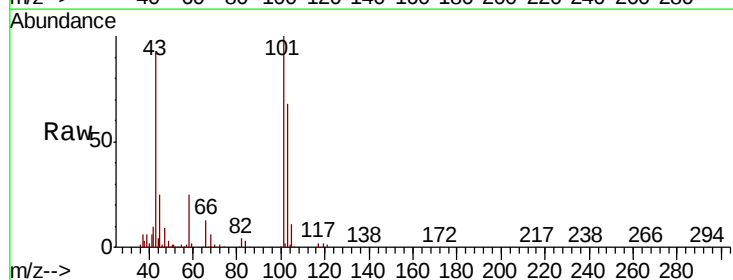
Acq: 14 Apr 2022 20:43

Tgt Ion: 101 Resp: 352751

Ion Ratio Lower Upper

101 100

103 68.0 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

200000

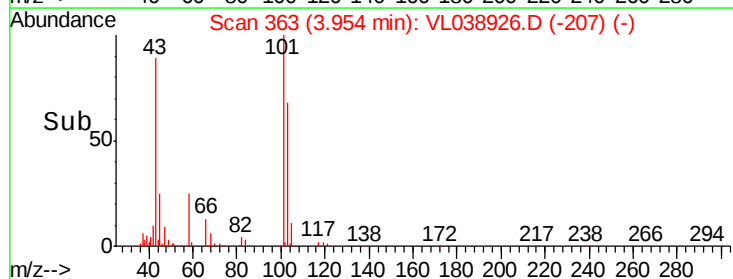
150000

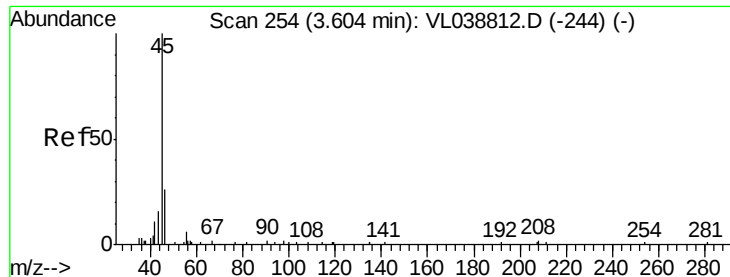
100000

50000

0

Time-->





#13

Ethanol

Concen: 139.515 ppbv

RT: 3.60

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

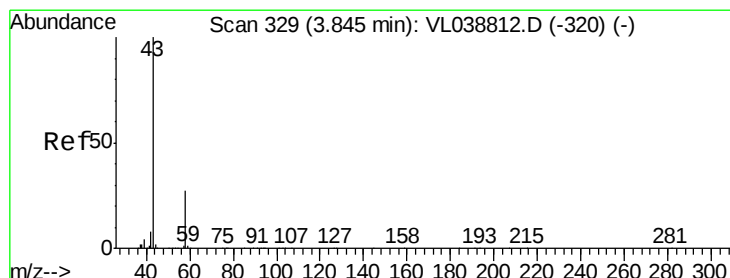
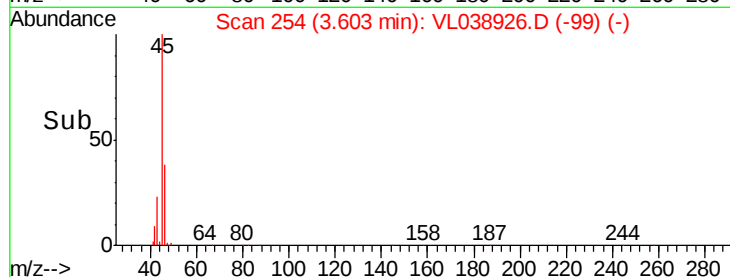
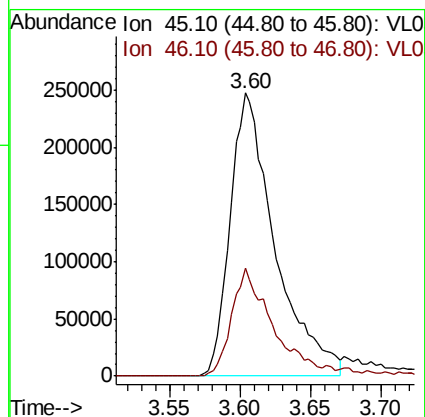
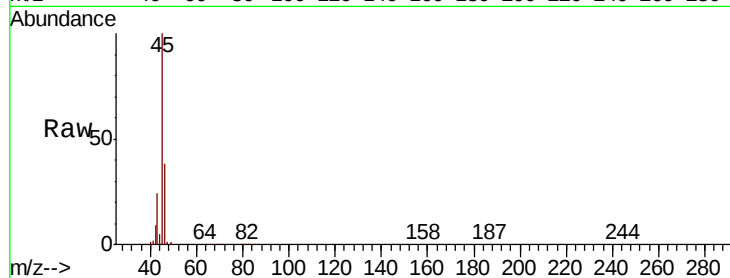
Acq: 14 Apr 2022 20:43

Tot Ion: 45 Resp: 549113

Ion Ratio Lower Upper

45 100

46 37.5 0.0 0.0#



#15

Acetone

Concen: 169.188 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.00 min

Lab File: VL038926.D

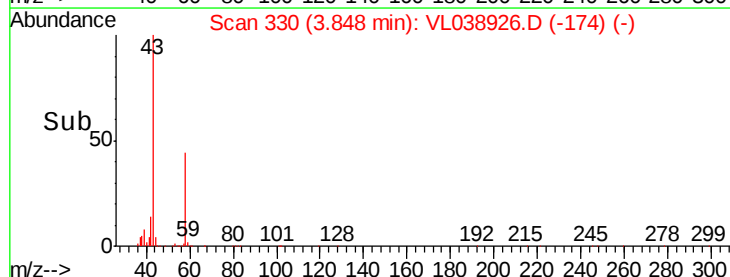
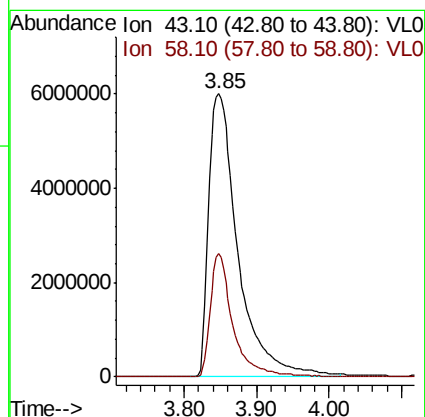
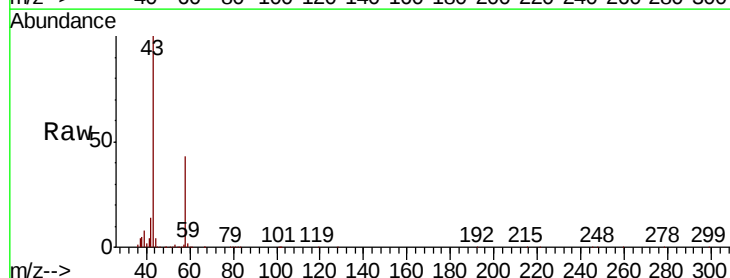
Acq: 14 Apr 2022 20:43

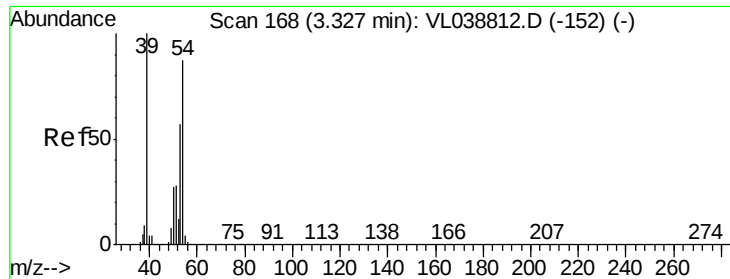
Tgt Ion: 43 Resp:16895142

Ion Ratio Lower Upper

43 100

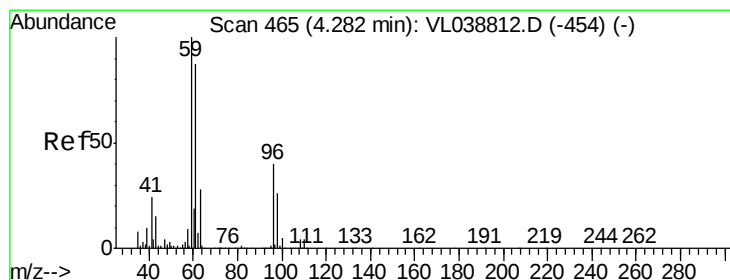
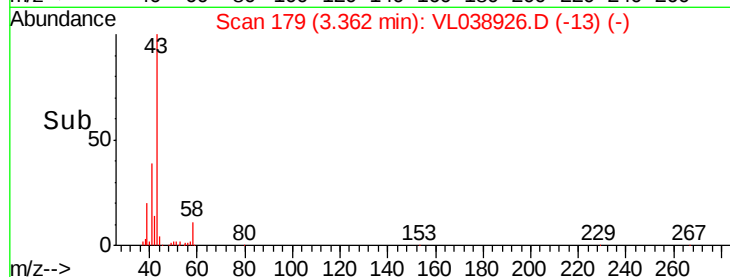
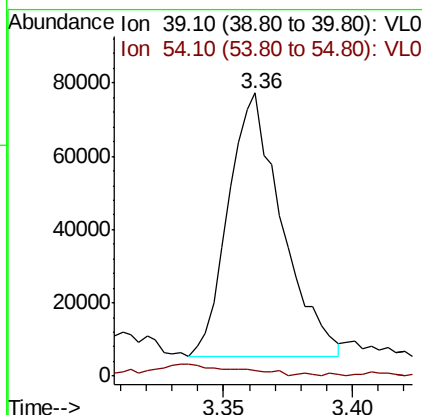
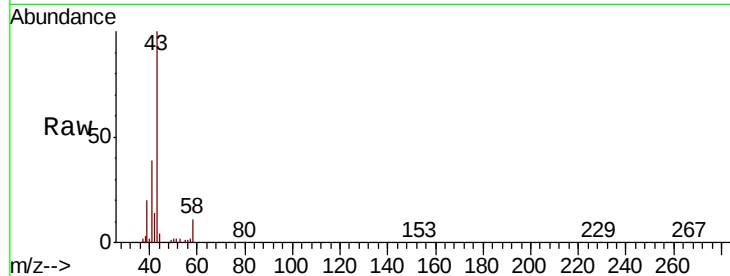
58 34.2 22.5 33.7#





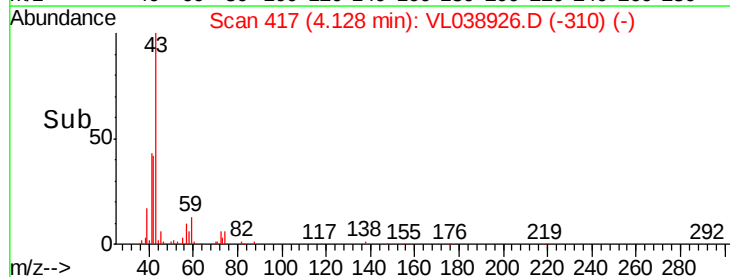
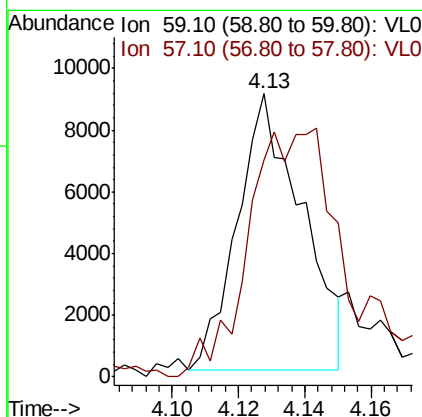
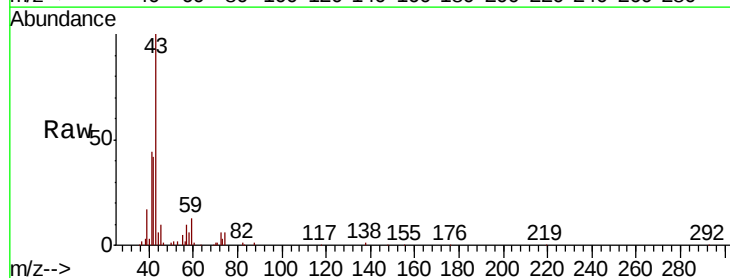
#16
 1,3-Butadiene
 Concen: 1.823 ppbv
 RT: 3.36
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 14 Apr 2022 20:43

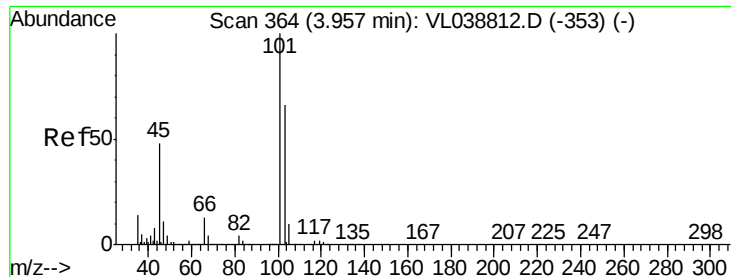
Tot Ion: 39 Resp: 104089
 Ion Ratio Lower Upper
 39 100
 54 9.5 64.8 97.2#



#17
 tert-Butyl alcohol
 Concen: 0.136 ppbv
 RT: 4.13 min Scan# 417
 Delta R.T. -0.15 min
 Lab File: VL038926.D
 Acq: 14 Apr 2022 20:43

Tgt Ion: 59 Resp: 12139
 Ion Ratio Lower Upper
 59 100
 57 144.0 8.5 12.7#





#19

Isopropyl Alcohol

Concen: 6.011 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

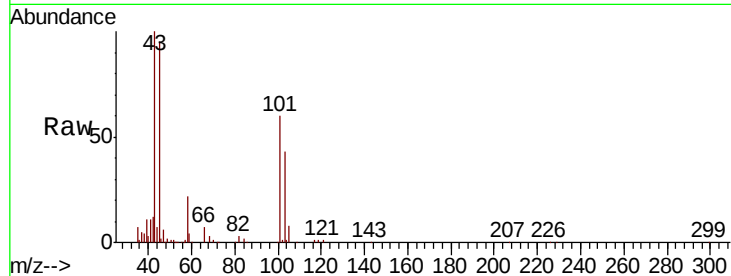
Acq: 14 Apr 2022 20:43

Tot Ion: 45 Resp: 306802

Ion Ratio Lower Upper

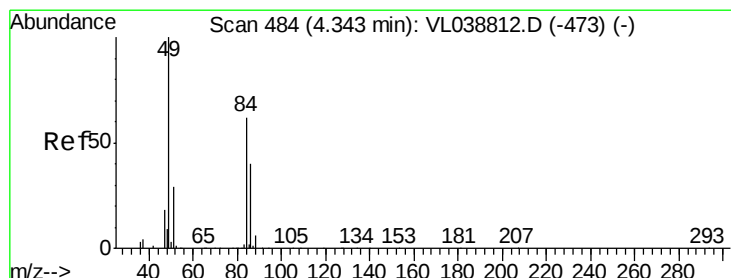
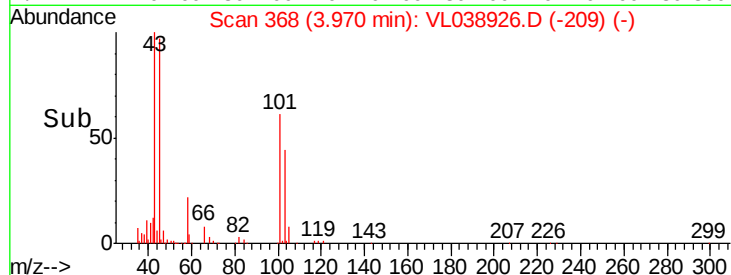
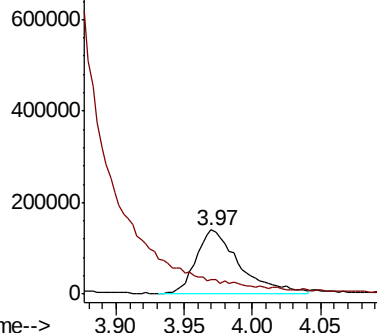
45 100

58 0.0 0.0 0.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 11.597 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL038926.D

Acq: 14 Apr 2022 20:43

Tgt Ion: 84 Resp: 420008

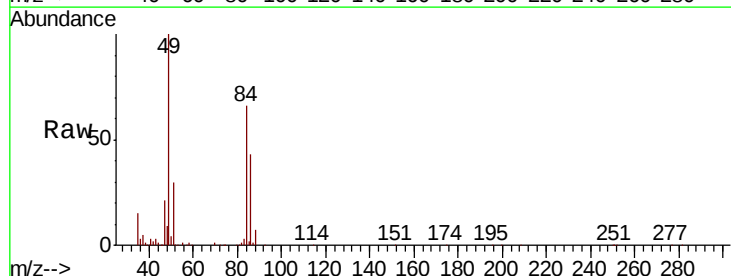
Ion Ratio Lower Upper

84 100

49 150.9 129.4 194.0

51 44.4 37.4 56.2

86 64.2 51.4 77.2

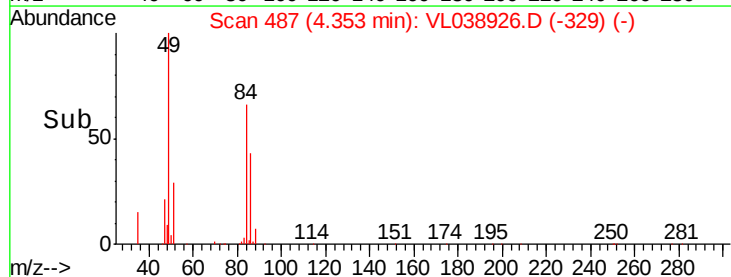
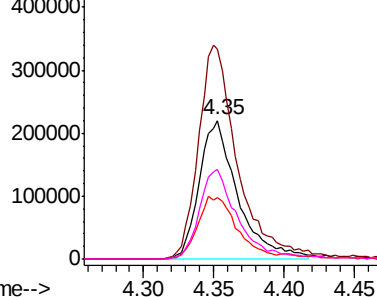


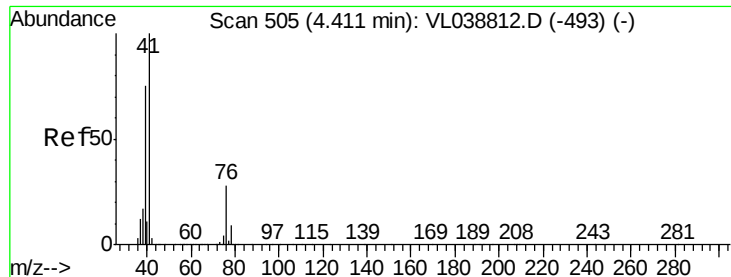
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

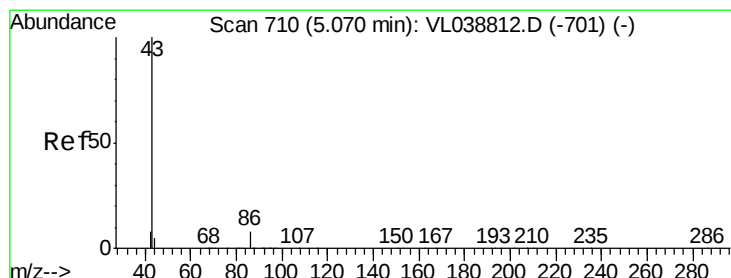
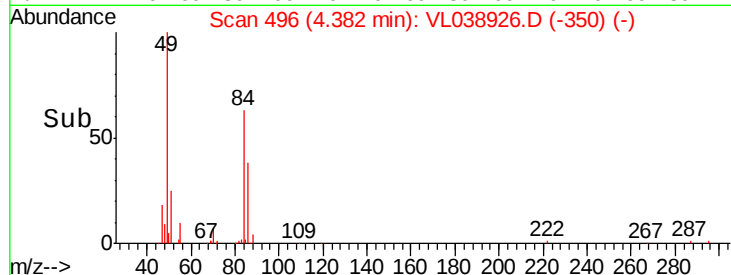
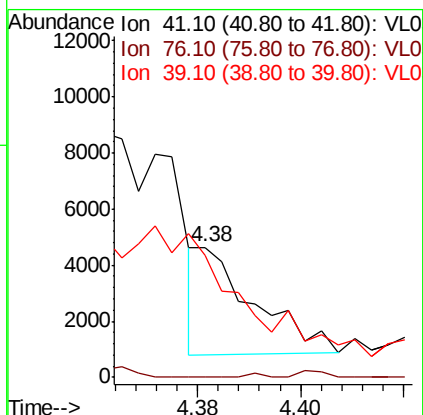
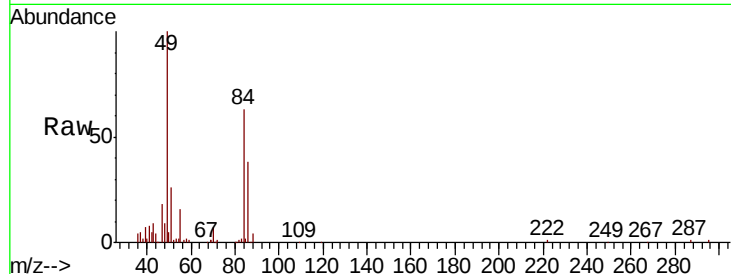
Ion 86.00 (85.70 to 86.70): VL0





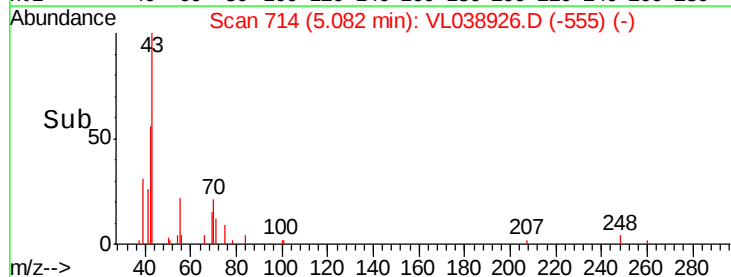
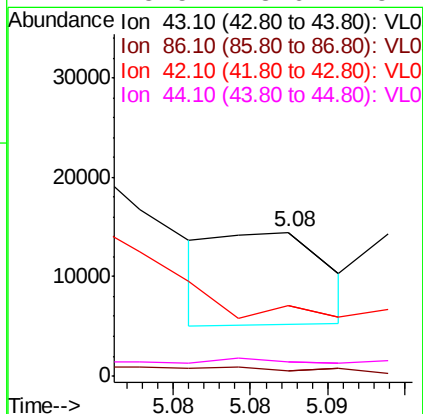
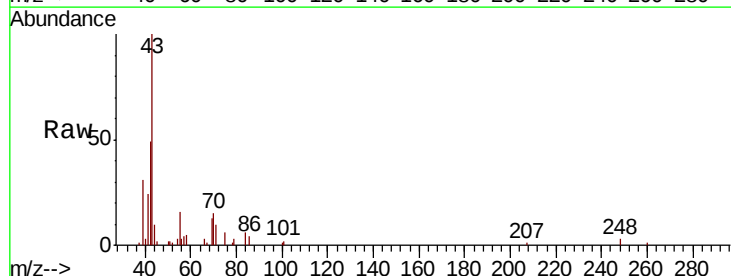
#21
Allvl Chloride
Concen: 0.038 ppbv
RT: 4.38
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Apr 2022 20:43

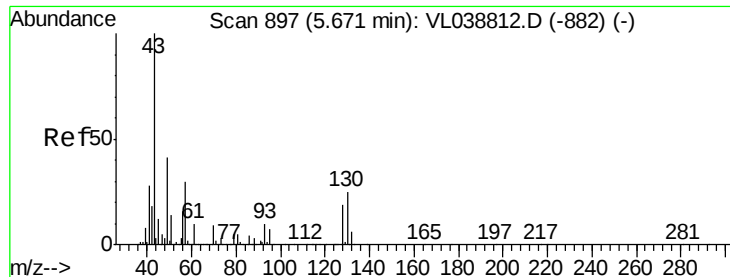
Tot Ion: 41 Resp: 2875
Ion Ratio Lower Upper
41 100
76 3.8 23.7 35.5#
39 0.0 62.0 93.0#



#23
Vinyl Acetate
Concen: 0.046 ppbv
RT: 5.08 min Scan# 714
Delta R.T. 0.01 min
Lab File: VL038926.D
Acq: 14 Apr 2022 20:43

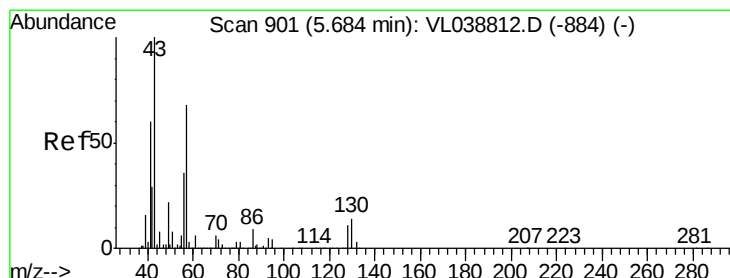
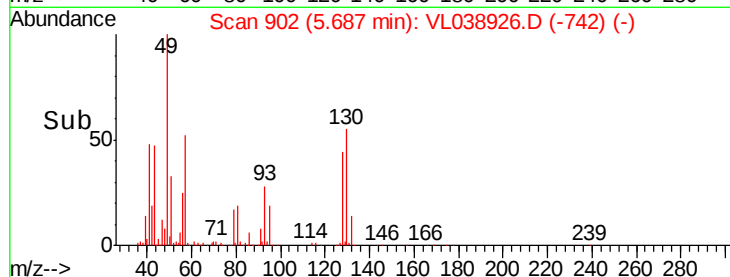
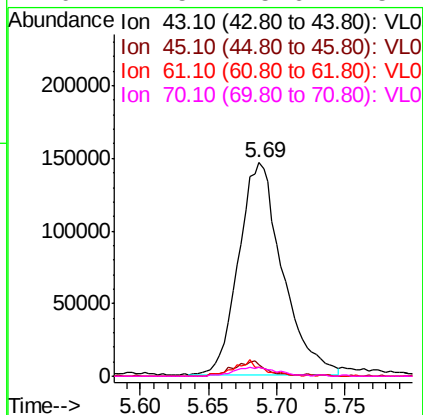
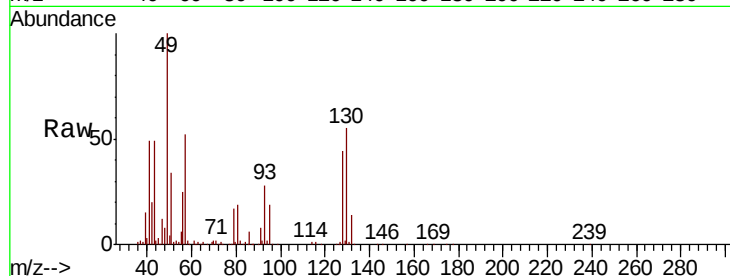
Tgt Ion: 43 Resp: 4507
Ion Ratio Lower Upper
43 100
86 0.0 5.8 8.6#
42 25.3 7.8 11.6#
44 5.5 3.6 5.4#





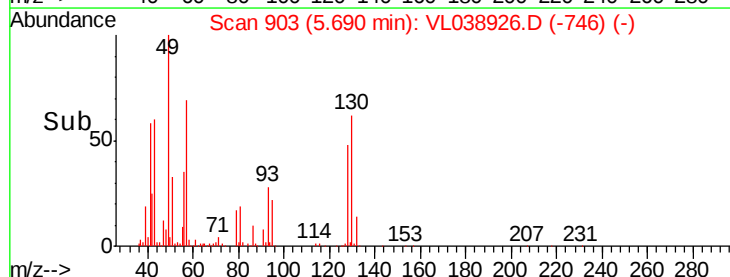
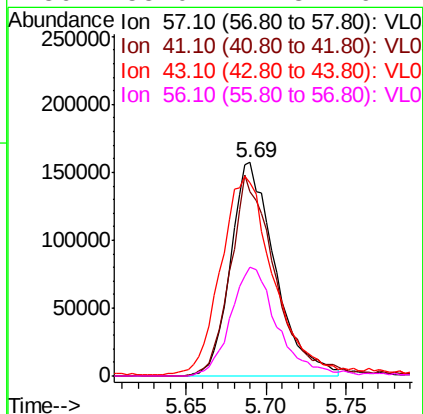
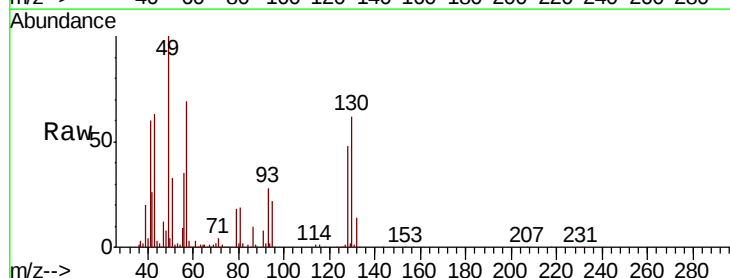
#25
Ethyl Acetate
Concen: 1.279 ppbv
RT: 5.69 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Apr 2022 20:43

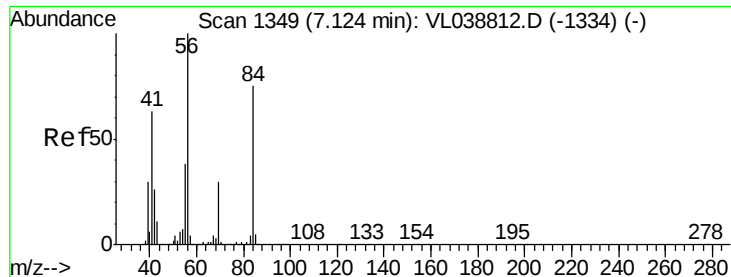
Tot Ion:	43	Resp:	324041
Ion	Ratio	Lower	Upper
43	100		
45	6.1	8.4	12.6#
61	5.2	7.9	11.9#
70	4.5	5.6	8.4#



#26
Hexane
Concen: 2.579 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: 0.01 min
Lab File: VL038926.D
Acq: 14 Apr 2022 20:43

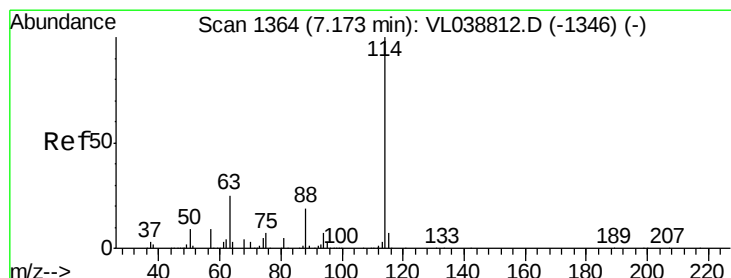
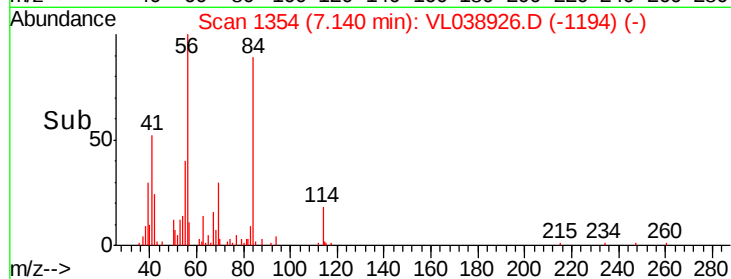
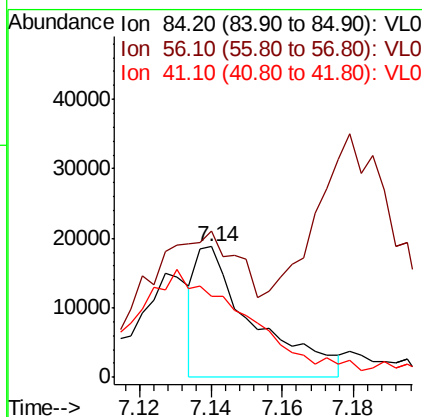
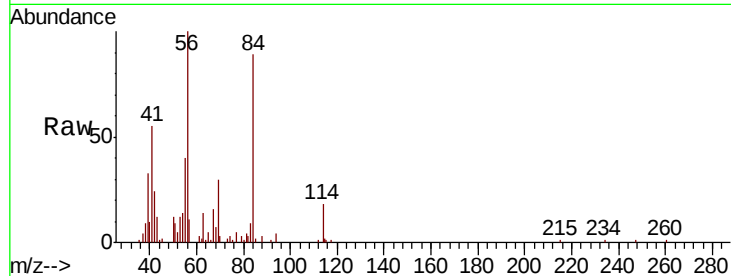
Tgt Ion:	57	Resp:	297408
Ion	Ratio	Lower	Upper
57	100		
41	97.2	72.0	108.0
43	114.4	186.6	280.0#
56	55.0	42.8	64.2





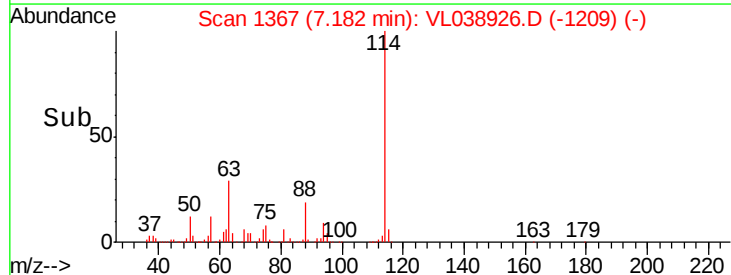
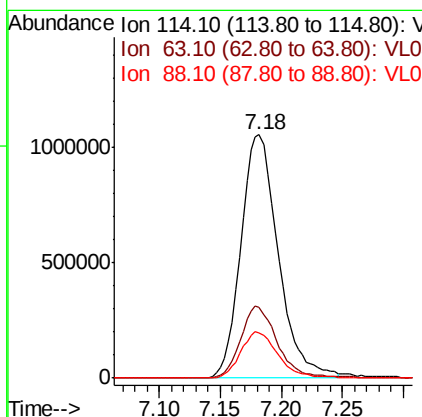
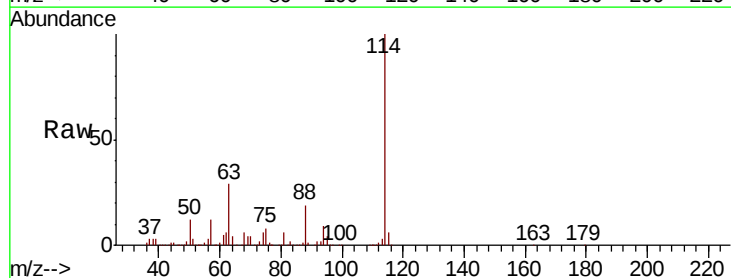
#30
Cvclohexane
Concen: 0.206 ppbv
RT: 7.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Apr 2022 20:43

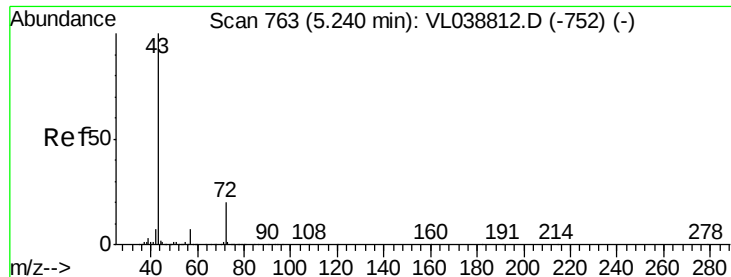
Tot Ion	84	Resp	20939
Ion	Ratio	Lower	Upper
84	100		
56	211.3	114.4	171.6#
41	0.0	69.0	103.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T.: 0.01 min
Lab File: VL038926.D
Acq: 14 Apr 2022 20:43

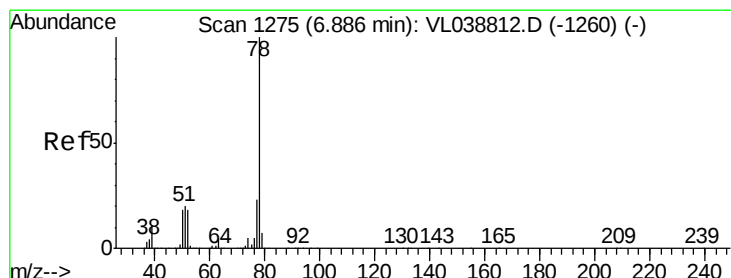
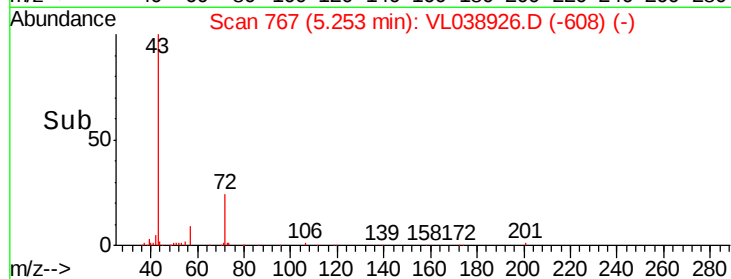
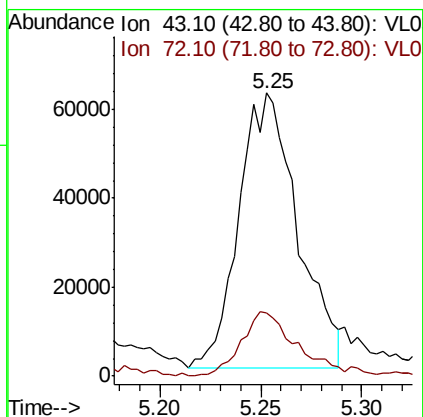
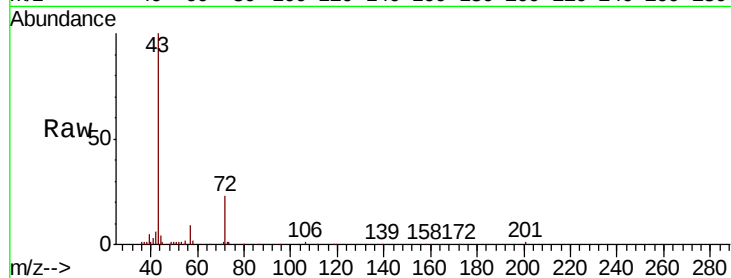
Tgt Ion	114	Resp	2233308
Ion	Ratio	Lower	Upper
114	100		
63	29.5	19.8	29.8
88	19.3	14.2	21.4





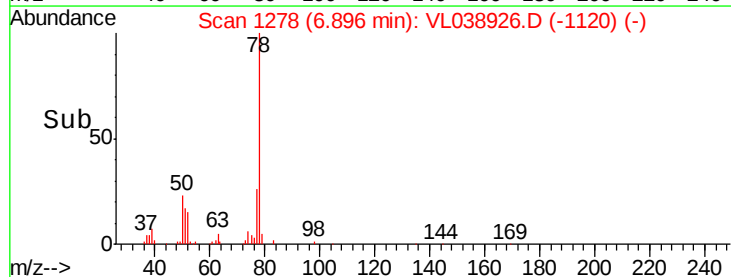
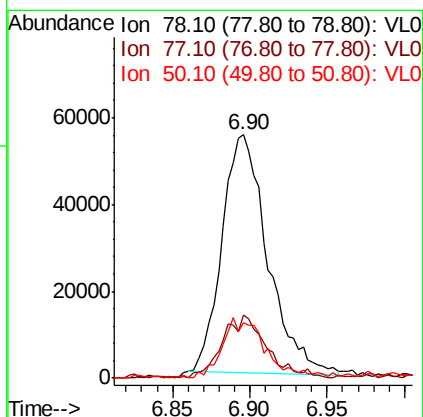
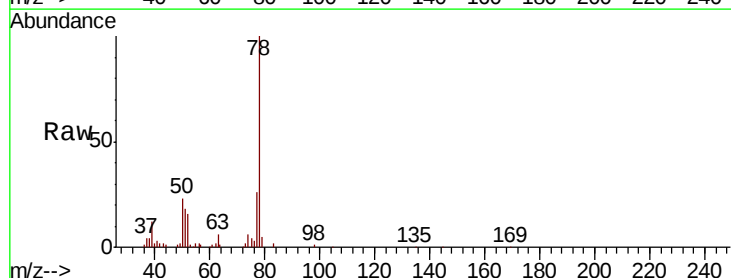
#34
2-Butanone
Concen: 1.423 ppbv
RT: 5.25
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Apr 2022 20:43

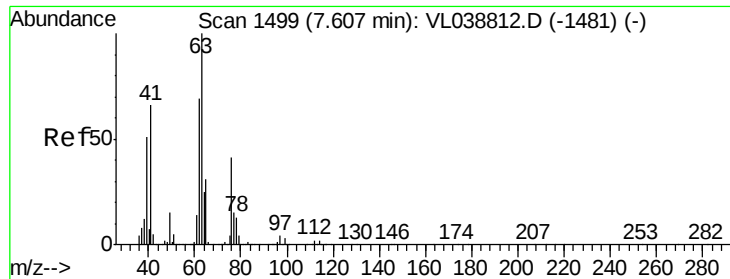
Tot Ion: 43 Resp: 125535
Ion Ratio Lower Upper
43 100
72 24.1 16.9 25.3



#36
Benzene
Concen: 0.555 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. 0.01 min
Lab File: VL038926.D
Acq: 14 Apr 2022 20:43

Tgt Ion: 78 Resp: 112681
Ion Ratio Lower Upper
78 100
77 26.4 18.2 27.2
50 23.4 14.0 21.0#





#39

1,2-Dichloropropane

Concen: 8.254 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 20:43

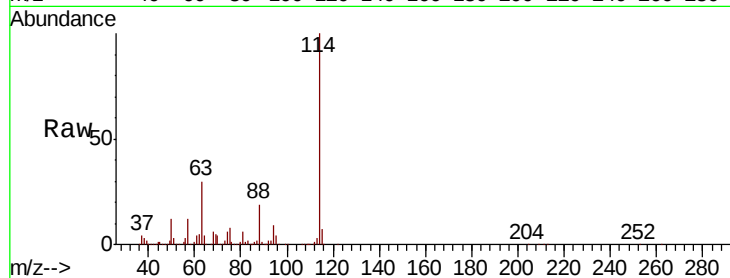
Tot Ion: 63 Resp: 641432

Ion Ratio Lower Upper

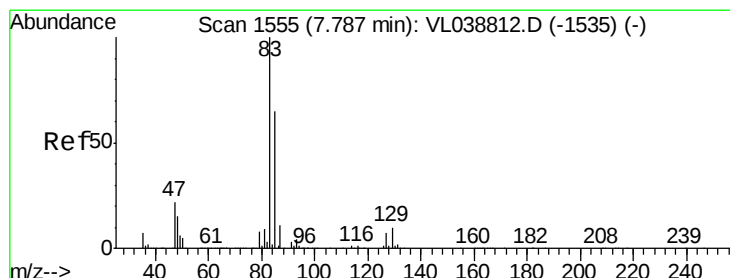
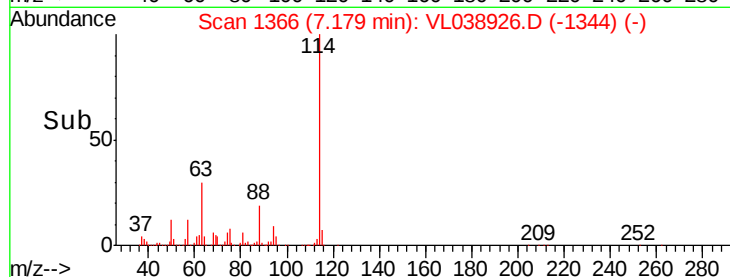
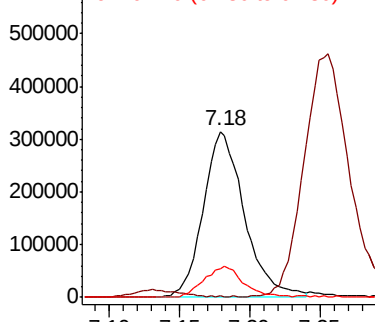
63 100

41 0.0 53.0 79.6#

62 17.4 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



#42

Bromodichloromethane

Concen: 0.071 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. 0.01 min

Lab File: VL038926.D

Acq: 14 Apr 2022 20:43

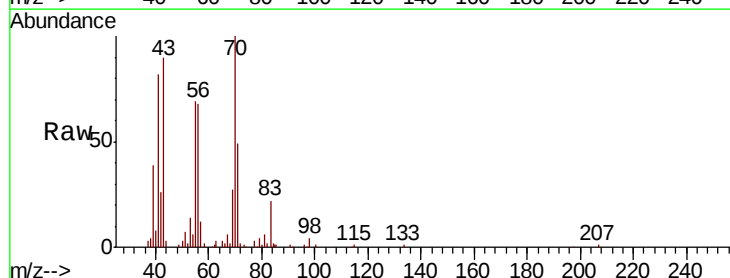
Tgt Ion: 83 Resp: 10403

Ion Ratio Lower Upper

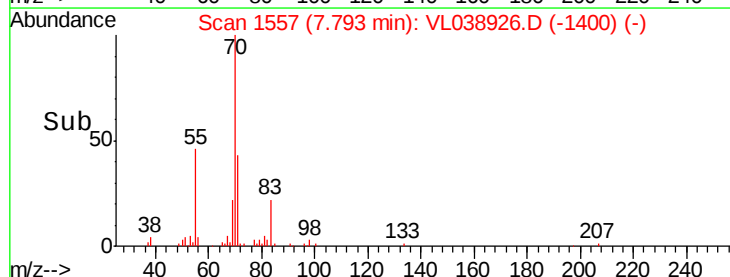
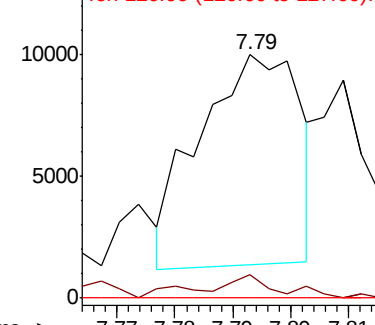
83 100

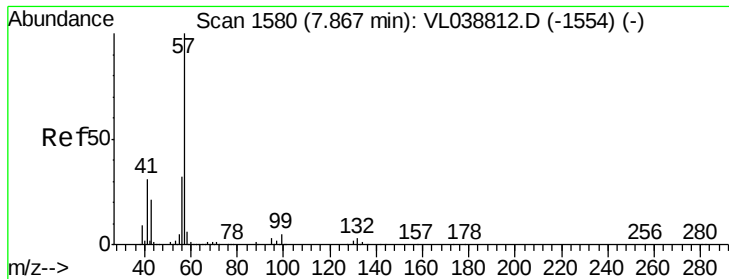
85 8.6 51.7 77.5#

127 0.0 5.9 8.9#



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





#44

2,2,4-Trimethylpentane

Concen: 0.306 ppbv

RT: 7.87 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 20:43

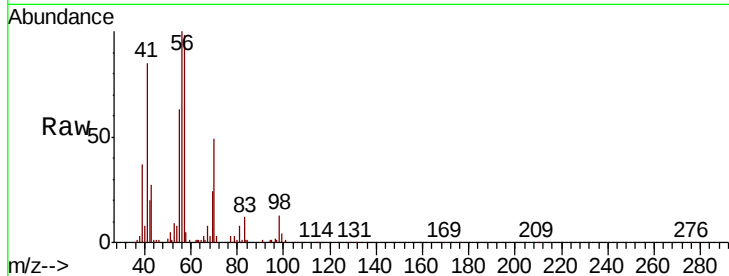
Tot Ion: 57 Resp: 105243

Ion Ratio Lower Upper

57 100

41 101.0 25.0 37.4#

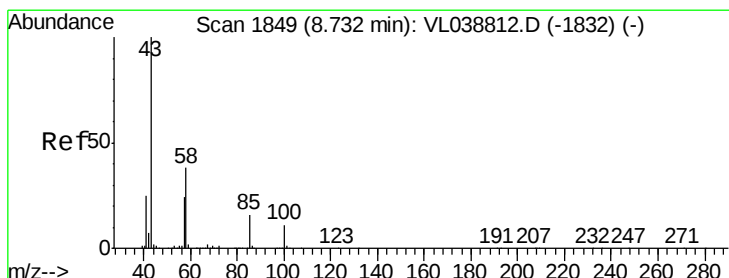
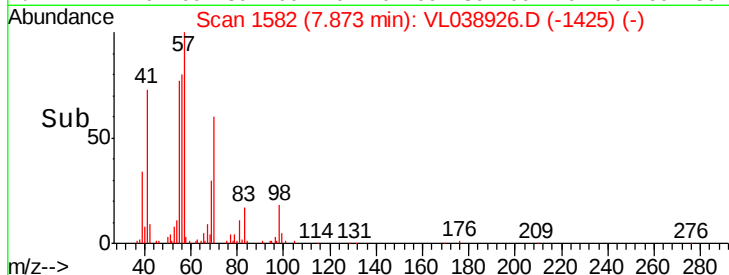
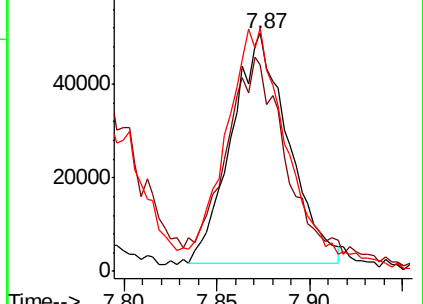
56 116.8 25.3 37.9#



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#50

4-Methyl-2-Pentanone

Concen: 0.932 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.02 min

Lab File: VL038926.D

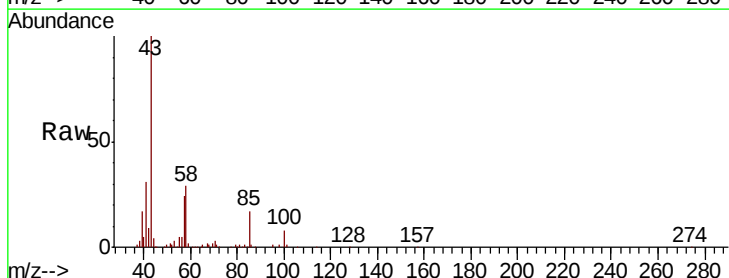
Acq: 14 Apr 2022 20:43

Tgt Ion: 43 Resp: 185033

Ion Ratio Lower Upper

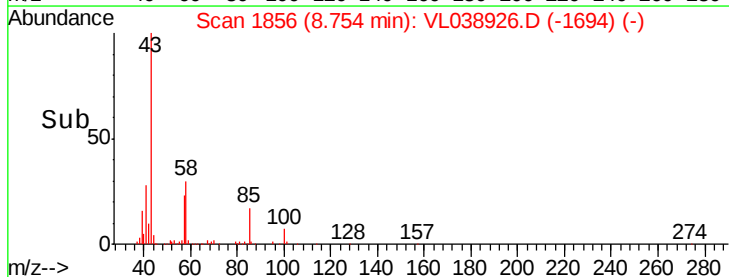
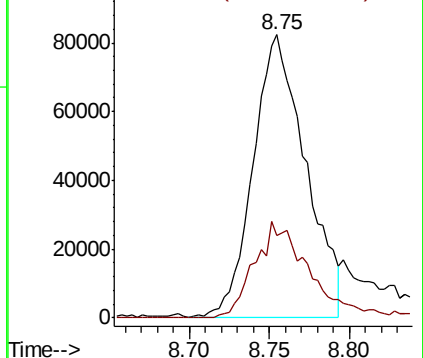
43 100

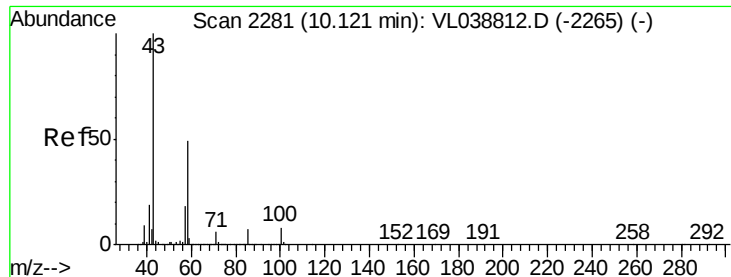
58 37.1 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

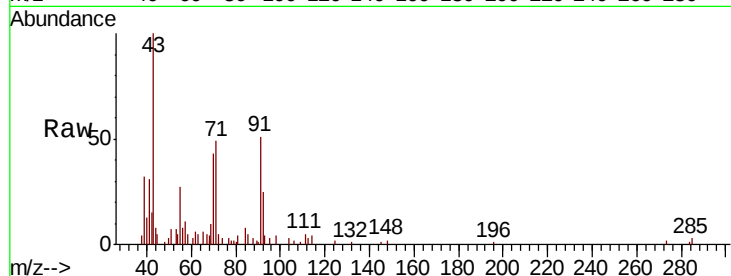
Ion 58.10 (57.80 to 58.80): VL0



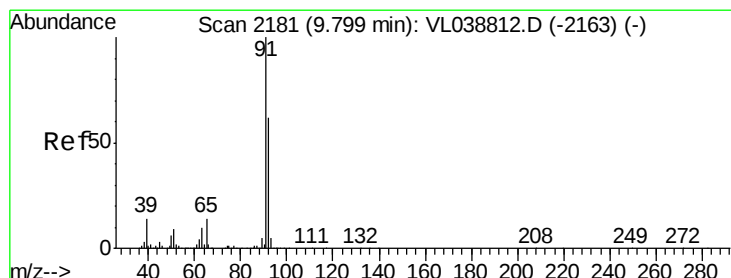
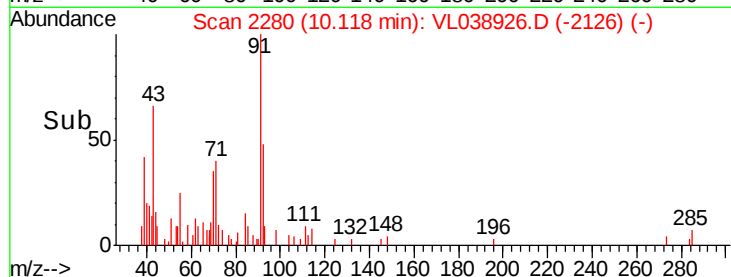
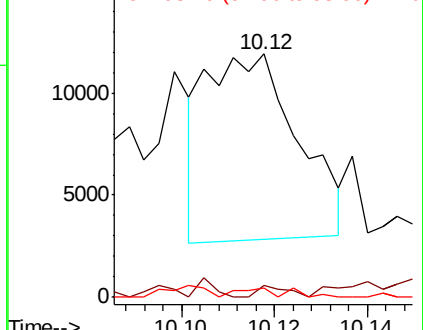


#51
2-Hexanone
Concen: 0.083 ppbv
RT: 10.12 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Apr 2022 20:43

Tot Ion: 43 Resp: 12429
Ion Ratio Lower Upper
43 100
58 21.7 41.4 62.0#
98 0.0 0.1 0.1#

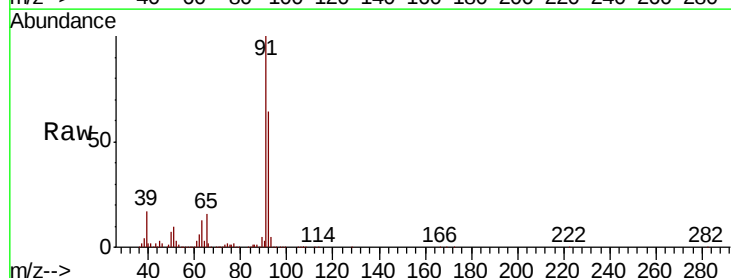


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

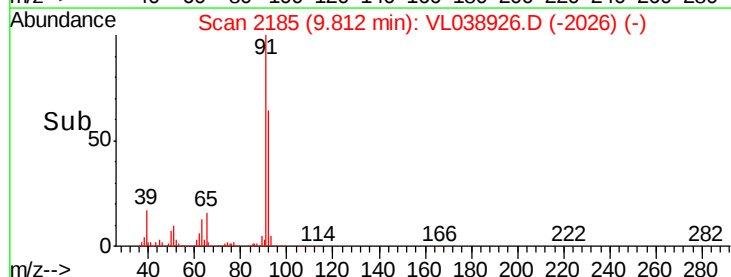
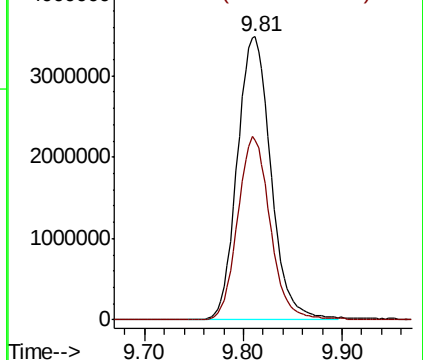


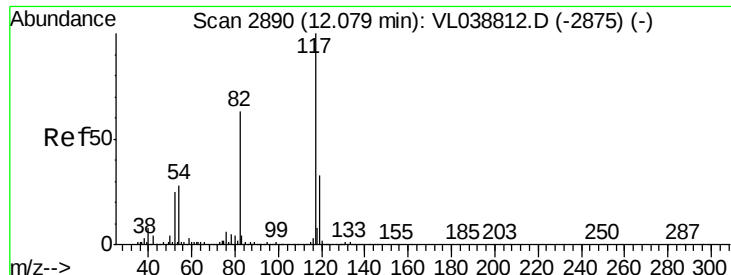
#53
Toluene
Concen: 35.071 ppbv
RT: 9.81 min Scan# 2185
Delta R.T. 0.01 min
Lab File: VL038926.D
Acq: 14 Apr 2022 20:43

Tgt Ion: 91 Resp: 8225386
Ion Ratio Lower Upper
91 100
92 63.0 49.2 73.8



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0

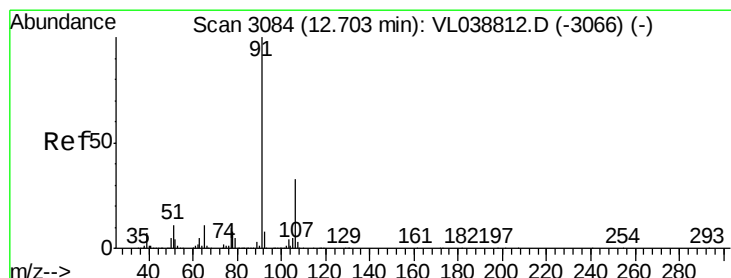
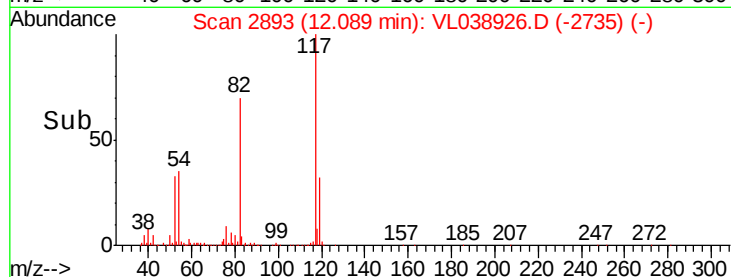
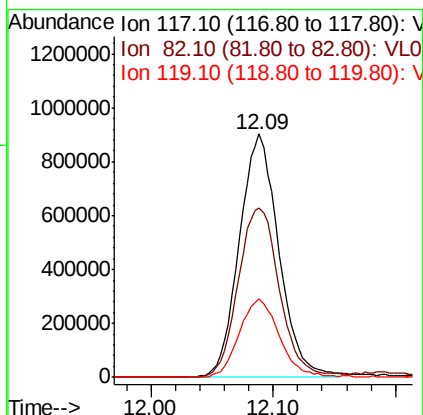
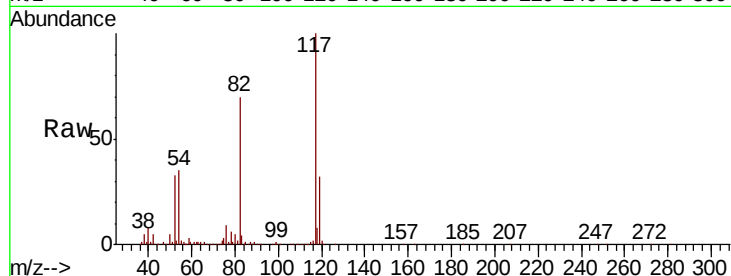




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Apr 2022 20:43

Tot Ion: 117 Resp: 2014796

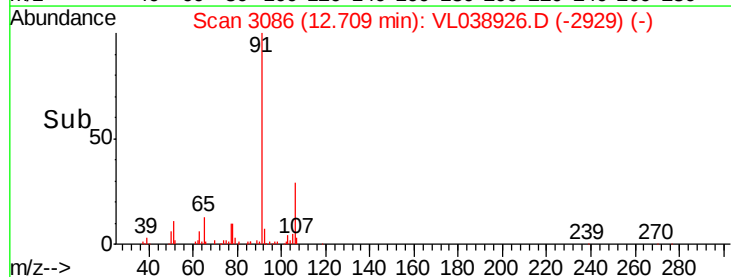
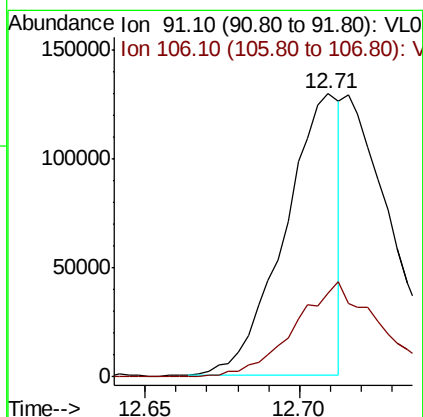
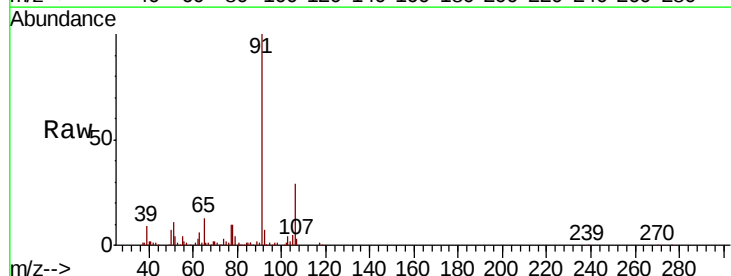
Ion	Ratio	Lower	Upper
117	100		
82	73.3	53.0	79.6
119	32.8	24.9	37.3

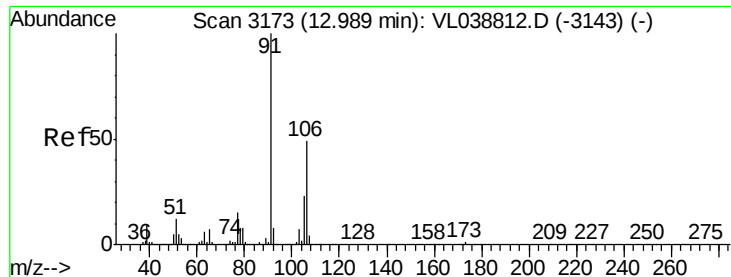


#58
Ethyl Benzene
Concen: 0.531 ppbv
RT: 12.71 min Scan# 3086
Delta R.T.: 0.01 min
Lab File: VL038926.D
Acq: 14 Apr 2022 20:43

Tgt Ion: 91 Resp: 159807

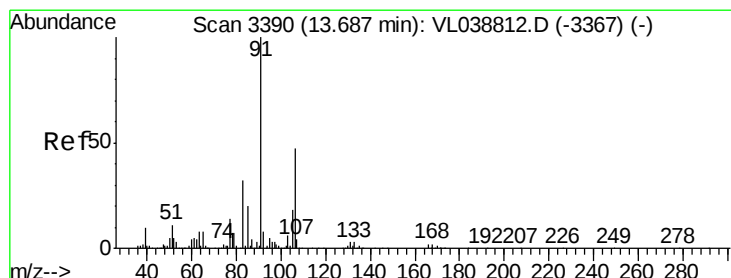
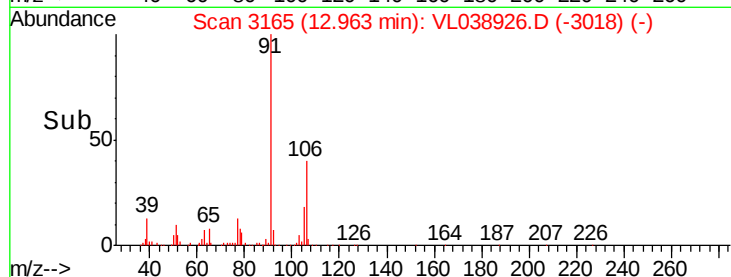
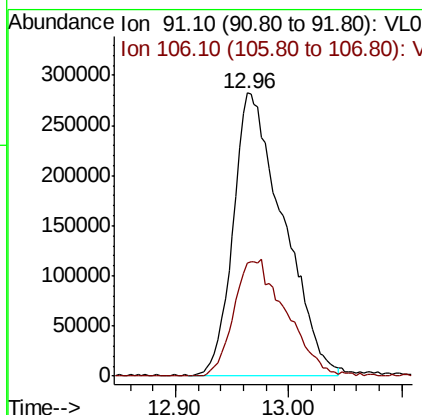
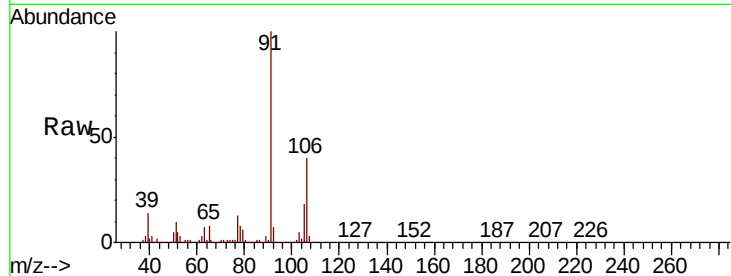
Ion	Ratio	Lower	Upper
91	100		
106	29.7	26.7	40.1





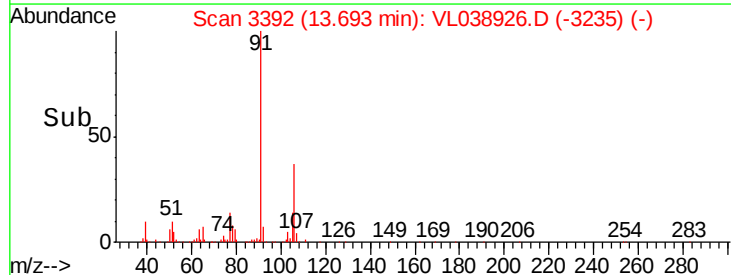
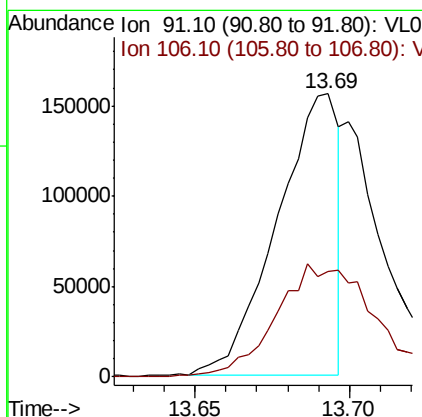
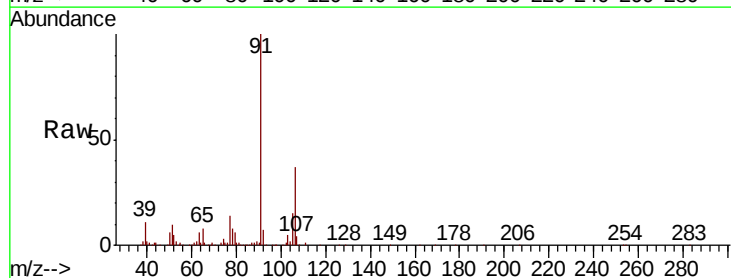
#59
m/p-Xylene
Concen: 3.426 ppbv
RT: 12.96 min
Delta R.T.: 0.01 min
Lab File: VL038926.D
Acq: 14 Apr 2022 20:43

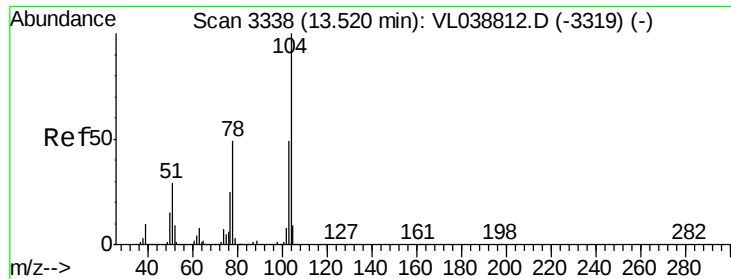
Tot Ion: 91 Resp: 866498
Ion Ratio Lower Upper
91 100
106 43.4 37.1 55.7



#60
o-Xylene
Concen: 0.906 ppbv
RT: 13.69 min Scan# 3392
Delta R.T.: 0.01 min
Lab File: VL038926.D
Acq: 14 Apr 2022 20:43

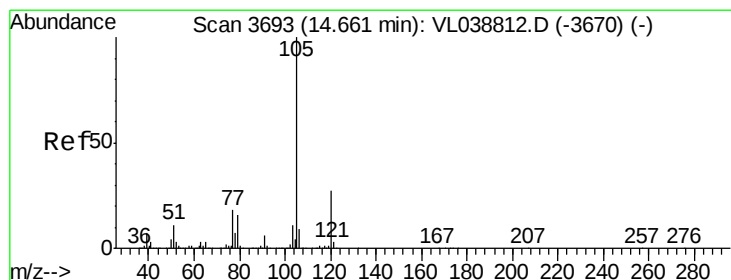
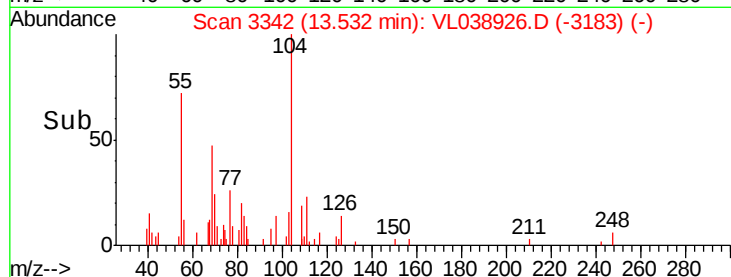
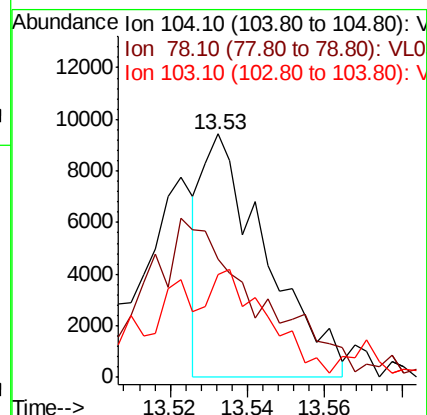
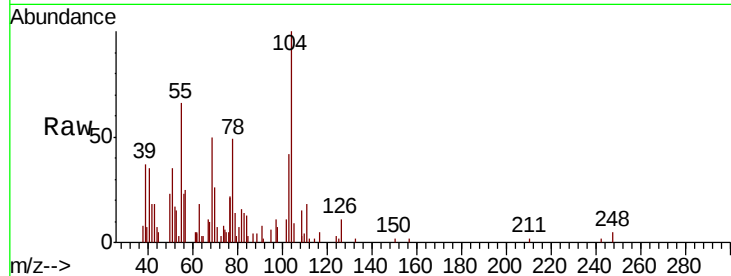
Tgt Ion: 91 Resp: 214542
Ion Ratio Lower Upper
91 100
106 65.3 23.8 71.4





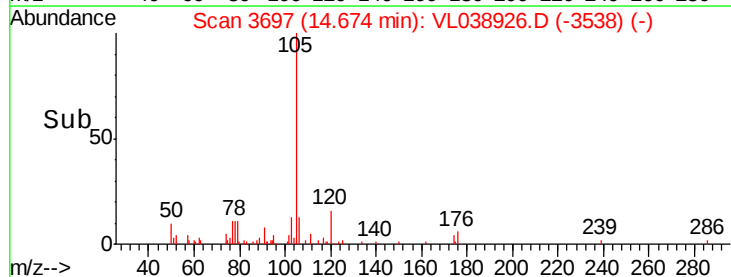
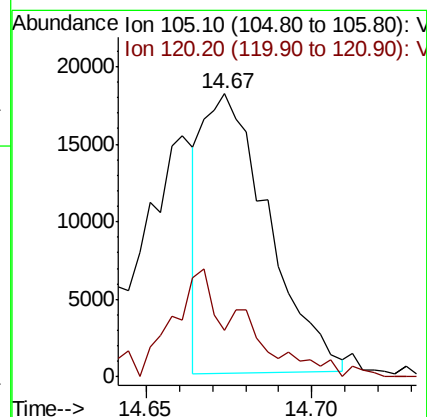
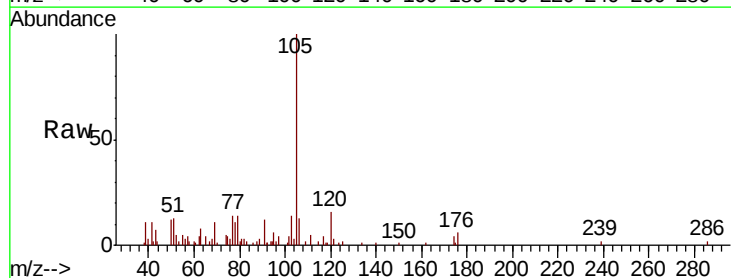
#61
Stvrene
Concen: 0.075 ppbv
RT: 13.53 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Apr 2022 20:43

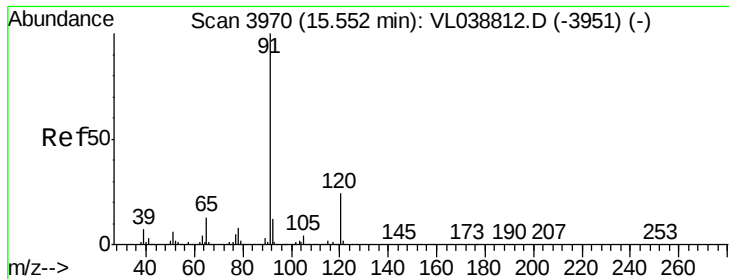
Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	40.5	60.7#
103	86.6	39.0	58.4#



#62
Isopropylbenzene
Concen: 0.070 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. 0.01 min
Lab File: VL038926.D
Acq: 14 Apr 2022 20:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	21.8	32.8#





#64

n-propylbenzene

Concen: 0.140 ppbv

RT: 15.57 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

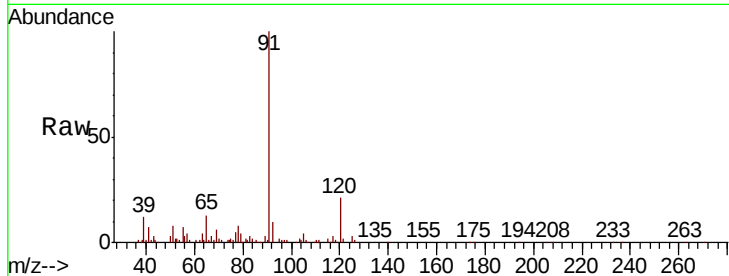
Acq: 14 Apr 2022 20:43

Tot Ion:120 Resp: 12908

Ion Ratio Lower Upper

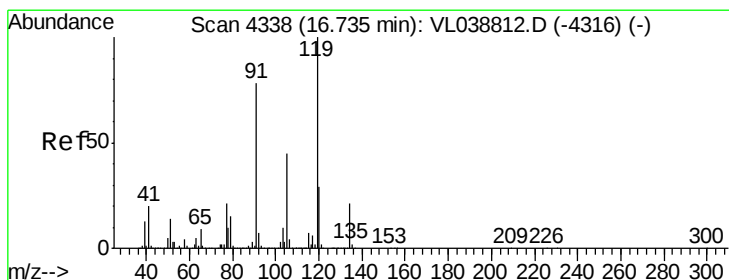
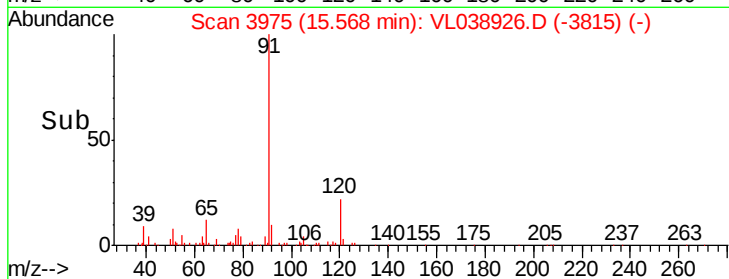
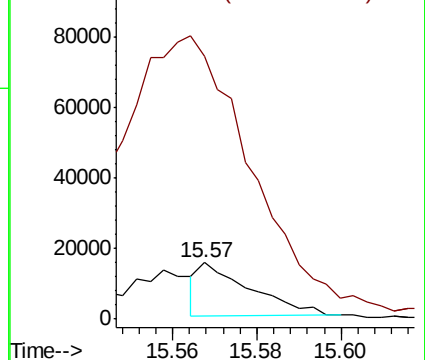
120 100

91 1452.8 360.6 540.8#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.121 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.02 min

Lab File: VL038926.D

Acq: 14 Apr 2022 20:43

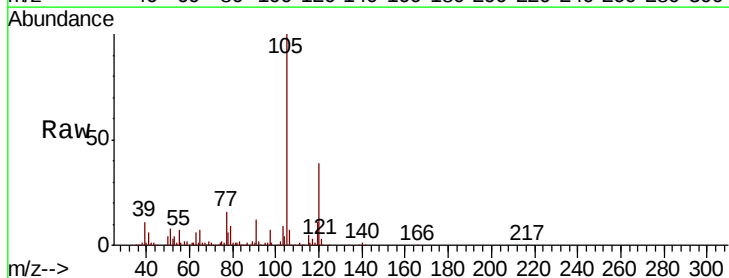
Tgt Ion:119 Resp: 38082

Ion Ratio Lower Upper

119 100

91 213.3 62.8 94.2#

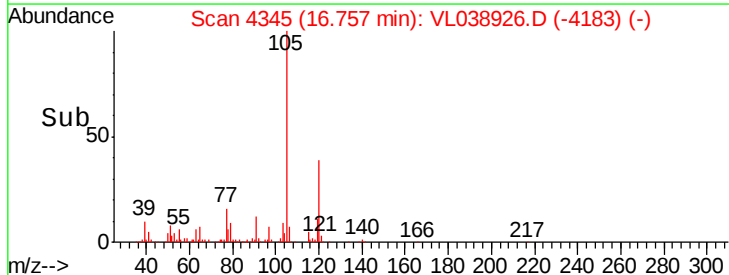
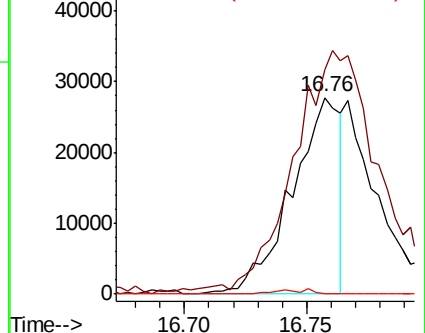
134 1.6 16.2 24.4#

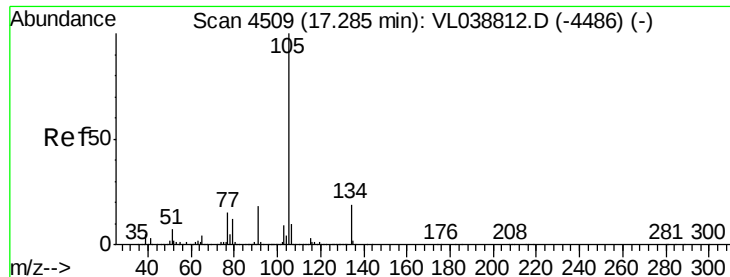


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#67

sec-Butylbenzene

Concen: 0.109 ppbv

RT: 17.30

Delta R.T. MSVOA_L

Lab File:

ClientSampleId:

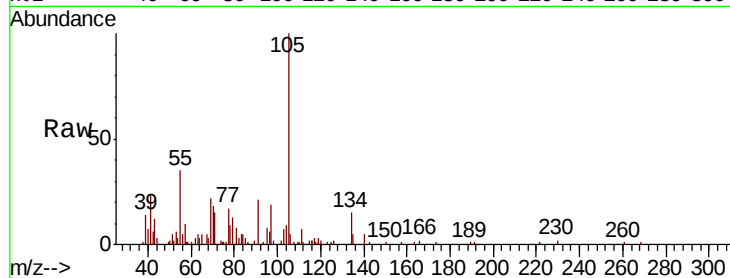
Acq: 14 Apr 2022 20:43

Tot Ion: 105 Resp: 48074

Ion Ratio Lower Upper

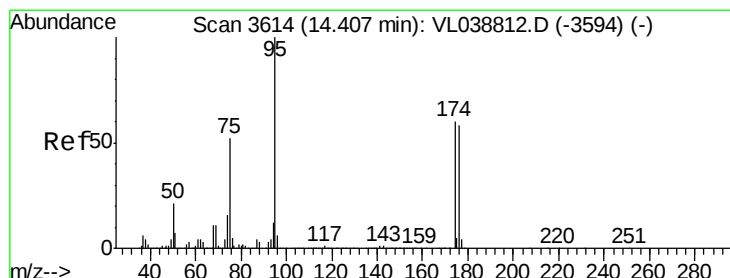
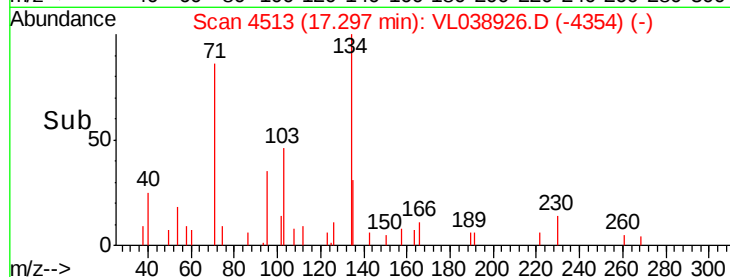
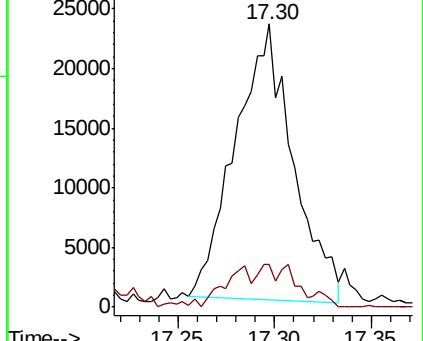
105 100

134 18.4 15.1 22.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 11.601 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.01 min

Lab File: VL038926.D

Acq: 14 Apr 2022 20:43

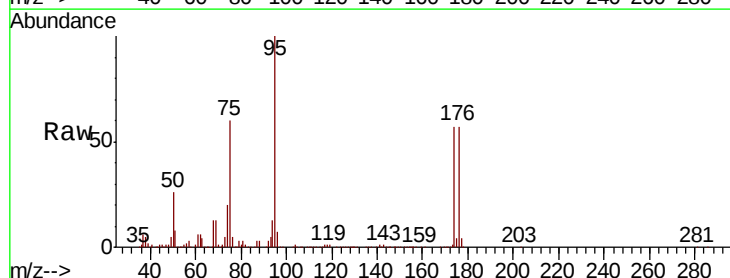
Tgt Ion: 95 Resp: 1772925

Ion Ratio Lower Upper

95 100

174 60.5 52.0 78.0

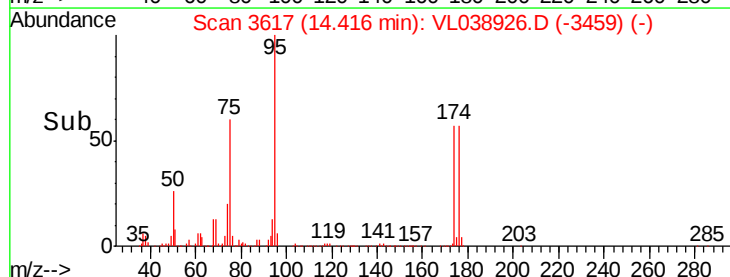
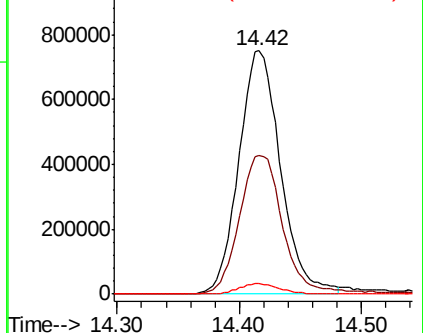
175 4.3 4.0 6.0

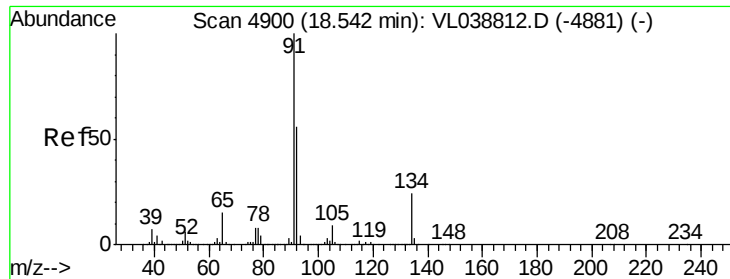


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

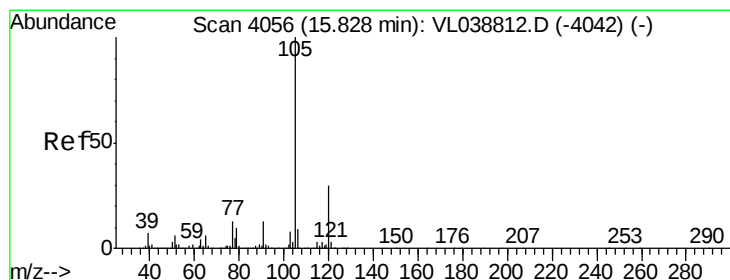
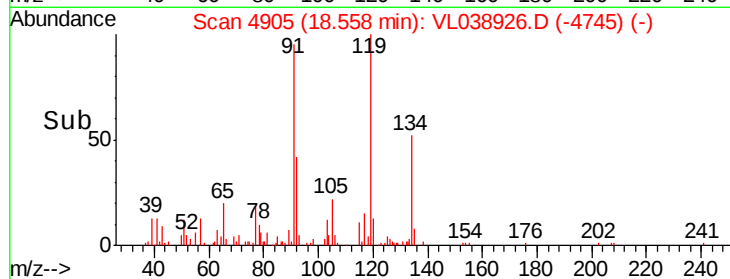
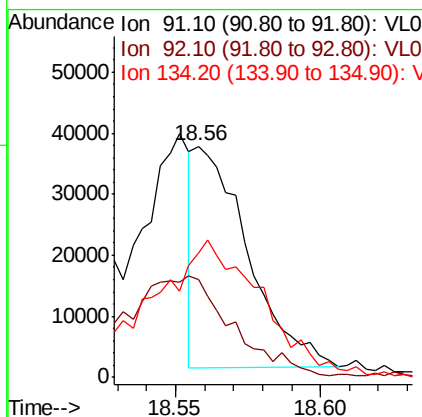
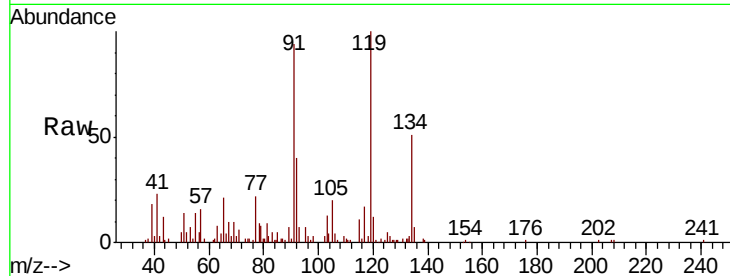
Ion 175.00 (174.70 to 175.70): V





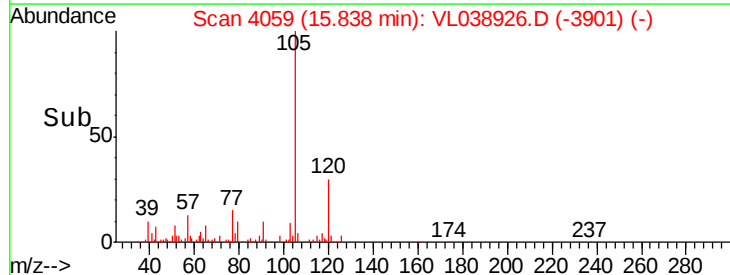
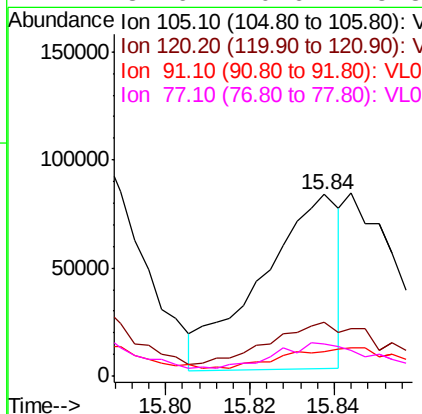
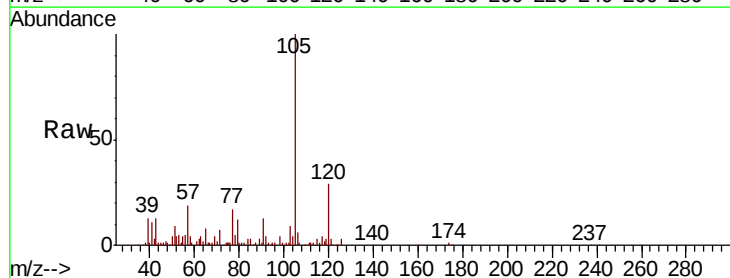
#70
n-Butylbenzene
Concen: 0.126 ppbv
RT: 18.56 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Apr 2022 20:43

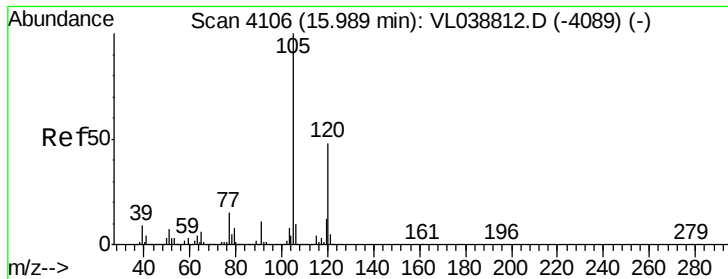
Tot Ion	91	Resp	46193
Ion Ratio	100		
Lower	44.6		
Upper	66.8#		
92	0.0		
134	157.5		
	19.2		
	28.8#		



#72
4-Ethyltoluene
Concen: 0.367 ppbv
RT: 15.84 min Scan# 4059
Delta R.T. 0.01 min
Lab File: VL038926.D
Acq: 14 Apr 2022 20:43

Tgt Ion	105	Resp	103854
Ion Ratio	100		
Lower	24.3		
Upper	36.5#		
120	51.2		
91	0.0		
77	32.6		
	10.6		
	15.8#		





#73

1,3,5-Trimethylbenzene

Concen: 0.295 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

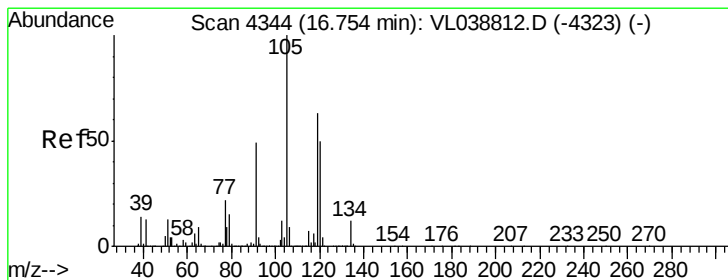
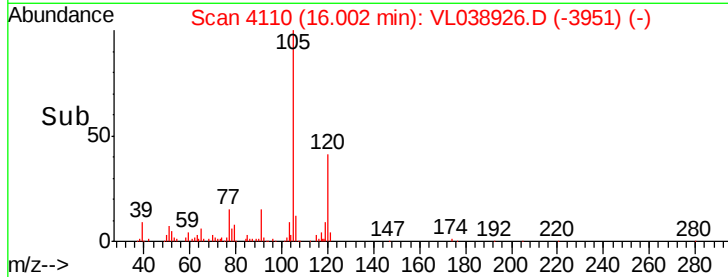
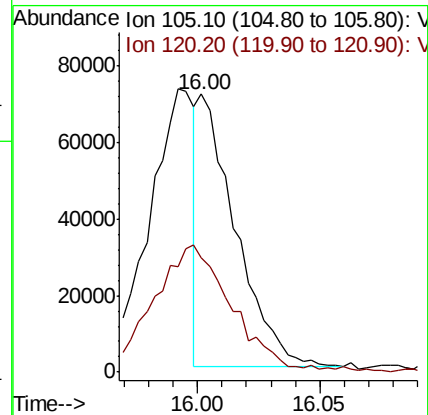
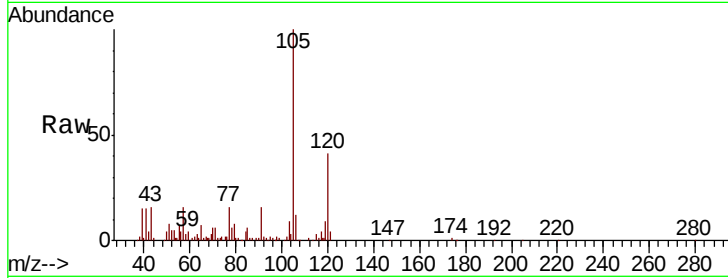
Acq: 14 Apr 2022 20:43

Tot Ion:105 Resp: 74791

Ion Ratio Lower Upper

105 100

120 39.9 38.7 58.1



#74

1,2,4-Trimethylbenzene

Concen: 2.285 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.01 min

Lab File: VL038926.D

Acq: 14 Apr 2022 20:43

Tgt Ion:105 Resp: 613164

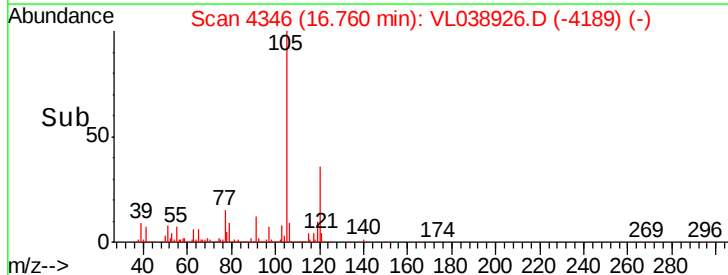
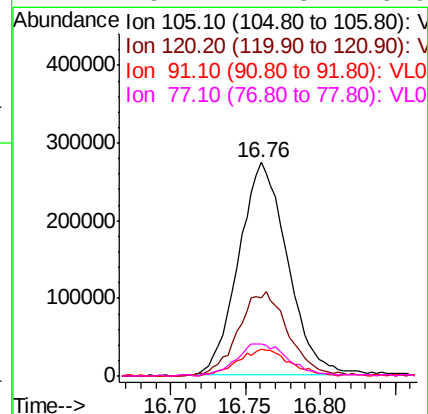
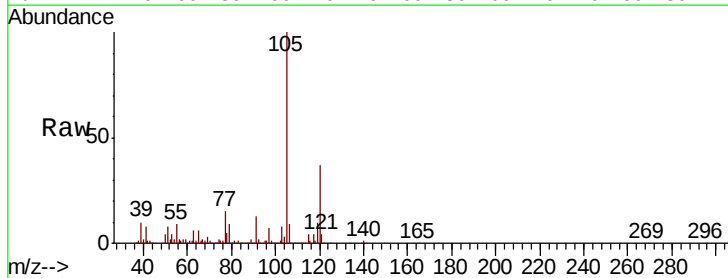
Ion Ratio Lower Upper

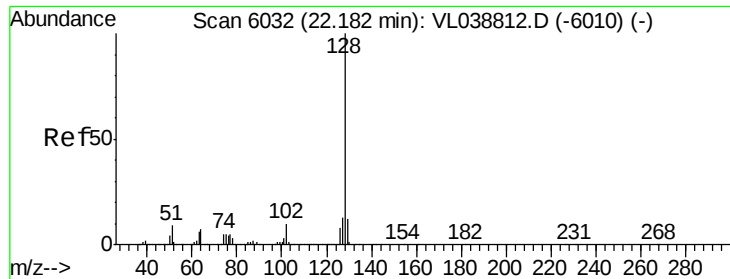
105 100

120 36.3 39.8 59.8#

91 12.1 39.4 59.0#

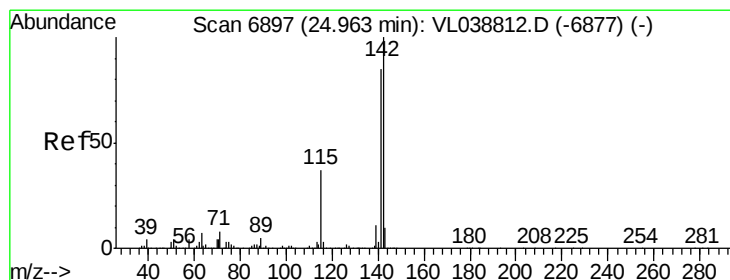
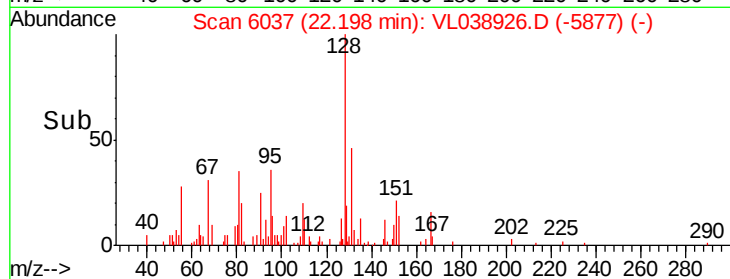
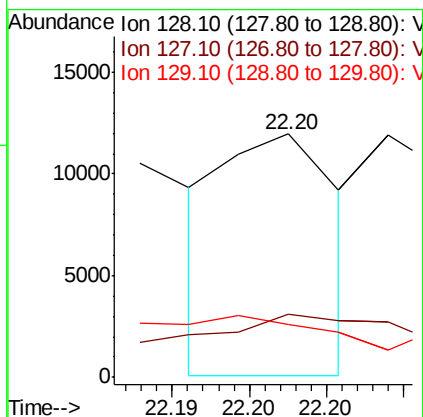
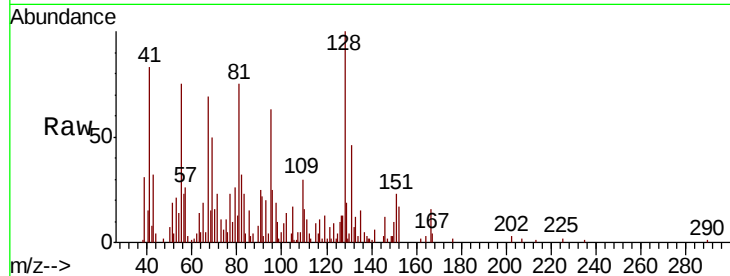
77 15.1 17.3 25.9#





#79
Naphthalene
Concen: 0.031 ppbv
RT: 22.20 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Apr 2022 20:43

Tot Ion	Ratio	Lower	Upper
128	100		
127	34.8	10.6	15.8#
129	13.2	9.4	14.0



#80
Naphthalene, 2-methyl-
Concen: 0.098 ppbv
RT: 24.98 min Scan# 6901
Delta R.T.: 0.01 min
Lab File: VL038926.D
Acq: 14 Apr 2022 20:43

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.5	68.8	103.2
115	215.9	31.6	47.4#

