

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071222\
 Data File : VL039452.D
 Acq On : 12 Jul 2022 17:18
 Operator : SY/AP
 Sample : N3660-03 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-5

Quant Time: Jul 13 01:34:59 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1490136	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.20	114	4256373	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.10	117	3859866	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2873217	10.03	ppbv	0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.98	51	172556	0.91	ppbv #	63
4) Chloromethane	3.15	50	3420	0.03	ppbv	89
9) Propene	3.03	41	13215	0.15	ppbv #	15
10) Heptane	8.15	43	74383	0.37	ppbv #	27
11) Trichlorofluoromethane	3.97	101	23534	0.10	ppbv	94
13) Ethanol	3.61	45	2664355	537.89	ppbv	74
15) Acetone	3.86	43	873625	4.96	ppbv	98
16) 1,3-Butadiene	3.34	39	4939	0.05	ppbv	85
17) tert-Butyl alcohol	3.98	59	231773	1.55	ppbv	98
19) Isopropyl Alcohol	3.98	45	6877196	73.13	ppbv #	91
20) Methylene Chloride	4.37	84	552400	7.86	ppbv	98
21) Allyl Chloride	4.36	41	8975	0.07	ppbv #	1
23) Vinyl Acetate	5.09	43	278562	2.36	ppbv #	96
25) Ethyl Acetate	5.69	43	15427078	42.68	ppbv #	83
26) Hexane	5.71	57	948489	6.51	ppbv #	1
27) Carbon Disulfide	4.57	76	9598	0.05	ppbv #	59
29) Chloroform	5.77	83	85145	0.34	ppbv	99
30) Cyclohexane	7.16	84	33146	0.25	ppbv #	1
31) cis-1,2-Dichloroethene	5.69	61	2466556	15.95	ppbv #	23
34) 2-Butanone	5.09	43	278022	1.30	ppbv #	54
36) Benzene	6.91	78	225722	0.69	ppbv	94
39) 1,2-Dichloropropane	7.20	63	1031310	8.38	ppbv #	25
41) Tetrahydrofuran	5.69	42	1666418	13.42	ppbv #	43
44) 2,2,4-Trimethylpentane	7.89	57	58085	0.10	ppbv #	71
51) 2-Hexanone	10.16	43	9670	0.04	ppbv #	29
52) Tetrachloroethene	11.24	164	92974	0.70	ppbv	96
53) Toluene	9.83	91	900522	2.37	ppbv	100
58) Ethyl Benzene	12.73	91	561911	1.13	ppbv	93
59) m/p-Xylene	12.98	91	2627781	5.98	ppbv	94
60) o-Xylene	13.71	91	1349414	3.24	ppbv	97
61) Styrene	13.54	104	9247	0.04	ppbv #	27
62) Isopropylbenzene	14.69	105	36064	0.06	ppbv #	74
64) n-propylbenzene	15.58	120	28842	0.18	ppbv #	12
65) tert-Butylbenzene	16.78	119	64580	0.11	ppbv #	1
66) Benzyl Chloride	17.22	91	9723	0.17	ppbv #	73
67) sec-Butylbenzene	17.31	105	58337	0.07	ppbv	99
70) n-Butylbenzene	18.58	91	106555	0.16	ppbv #	30
71) 2-Chlorotoluene	15.33	91	15136	0.03	ppbv	68
72) 4-Ethyltoluene	15.86	105	229977	0.47	ppbv	97
73) 1,3,5-Trimethylbenzene	16.02	105	329602	0.73	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	1027063	2.07	ppbv #	70

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

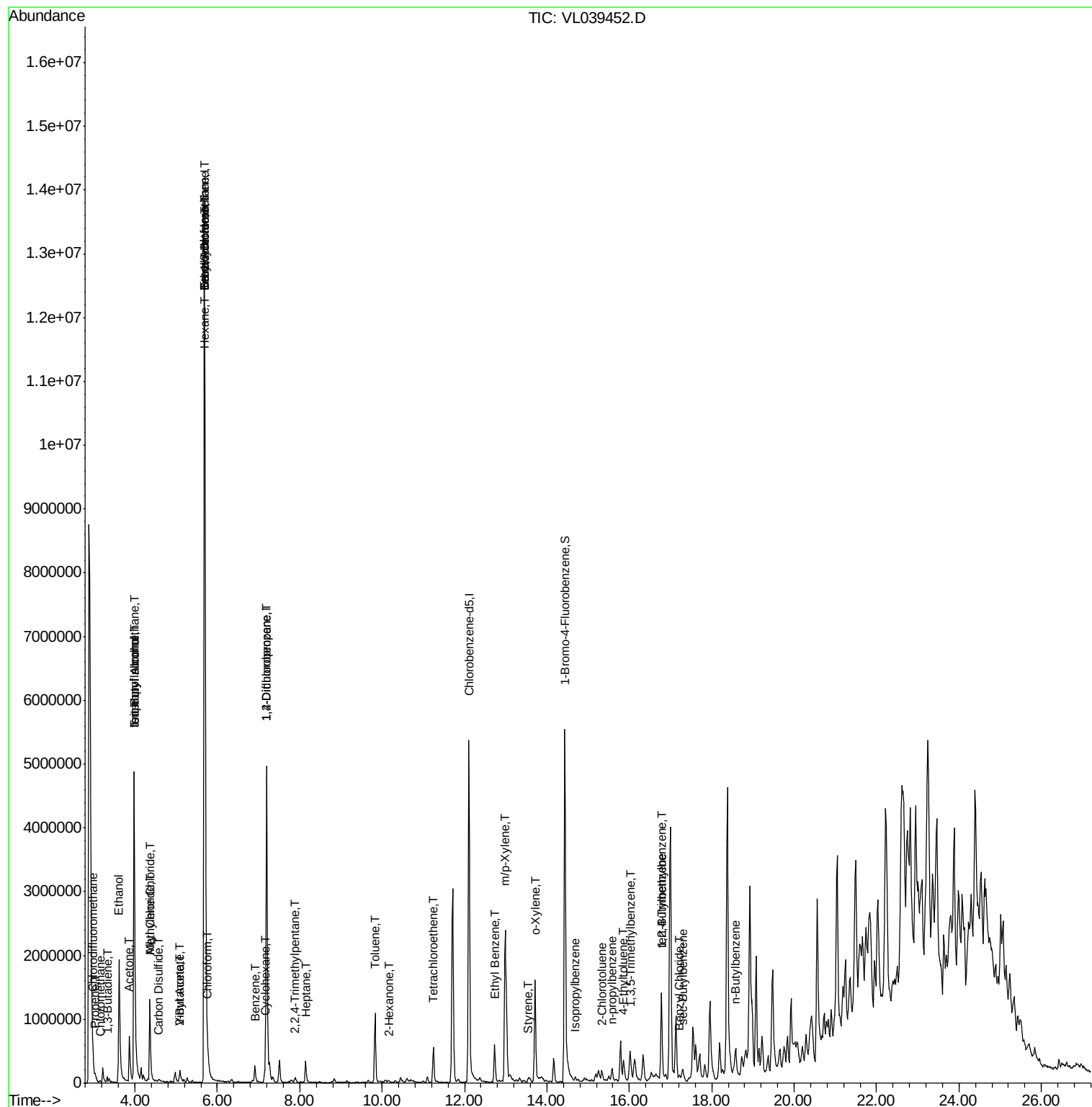
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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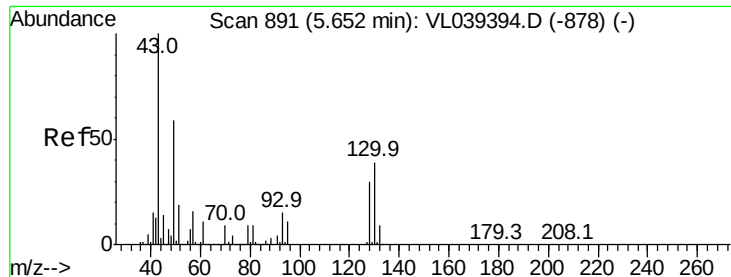
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Jul 2022 17:18

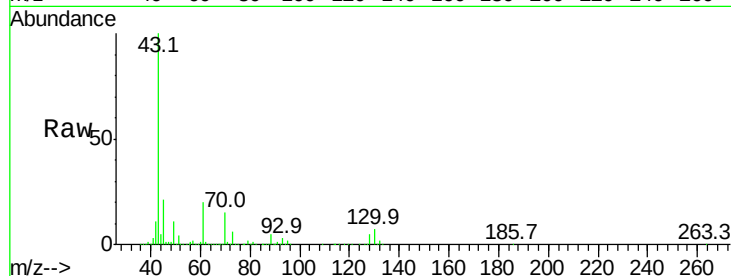
Tgt Ion: 49 Resp: 1490136

Ion Ratio Lower Upper

49 100

128 49.4 26.7 80.0

130 63.7 34.3 102.8



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

5.69

800000

600000

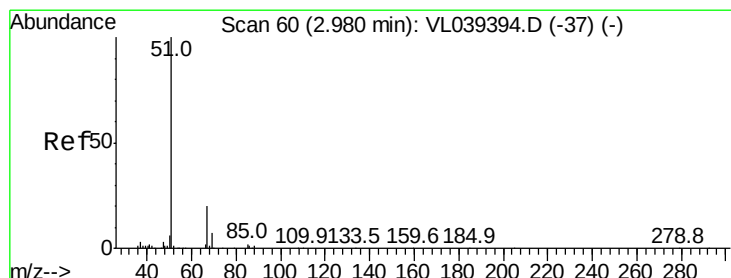
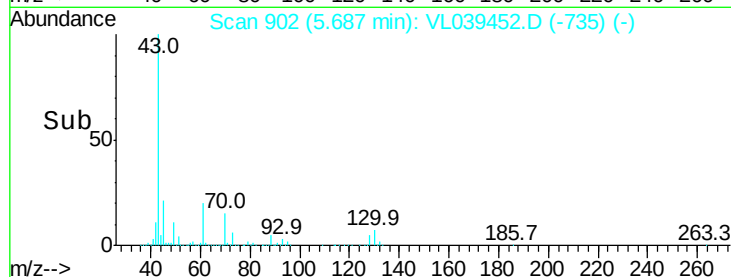
400000

200000

0

5.60 5.65 5.70 5.75 5.80

Time-->



#3

Chlorodifluoromethane

Concen: 0.91 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.00 min

Lab File: VL039452.D

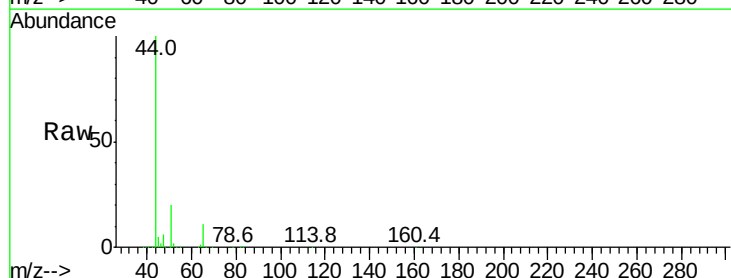
Acq: 12 Jul 2022 17:18

Tgt Ion: 51 Resp: 172556

Ion Ratio Lower Upper

51 100

67 2.9 15.7 23.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.98

80000

60000

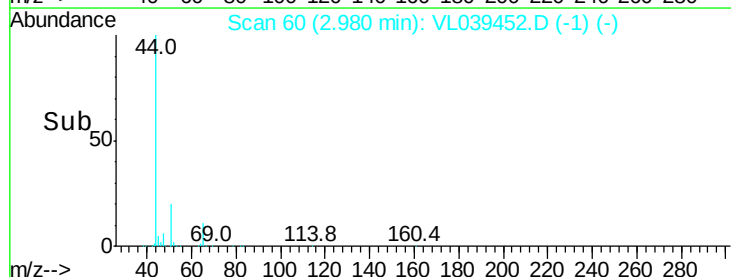
40000

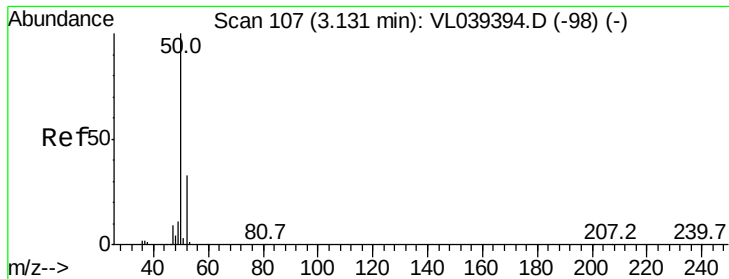
20000

0

2.90 3.00 3.10

Time-->





#4

Chloromethane

Concen: 0.03 ppbv

RT: 3.15 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

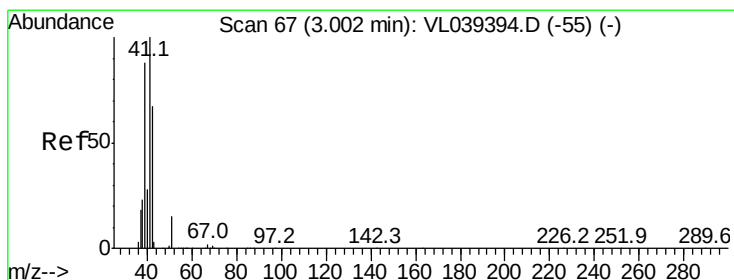
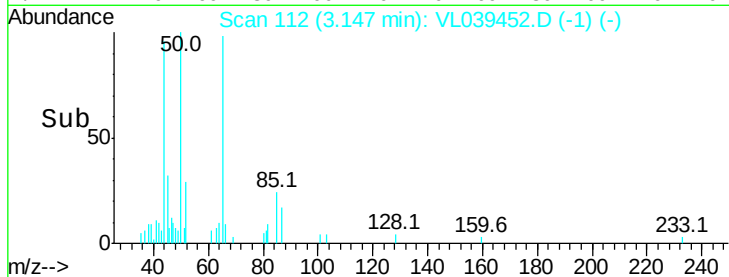
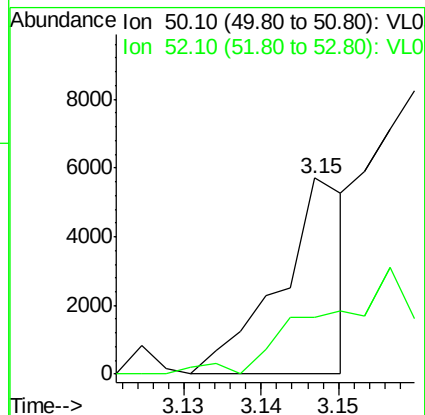
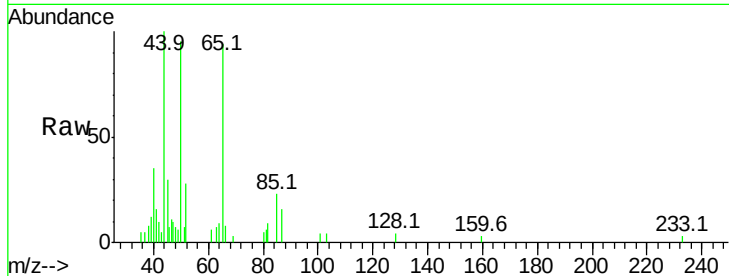
Acq: 12 Jul 2022 17:18 SG-5

Tgt Ion: 50 Resp: 3420

Ion Ratio Lower Upper

50 100

52 26.6 26.5 39.7



#9

Propene

Concen: 0.15 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.03 min

Lab File: VL039452.D

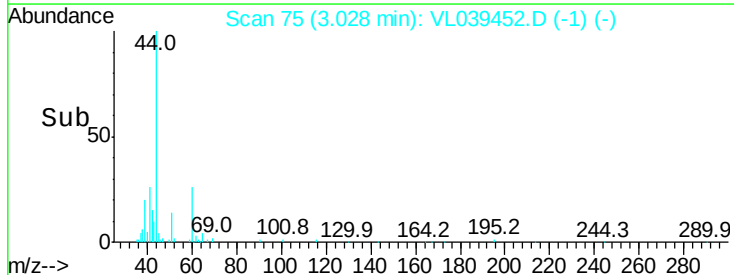
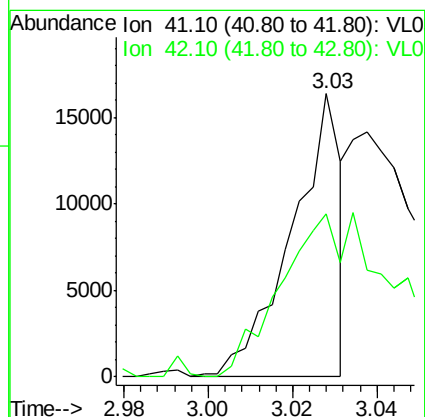
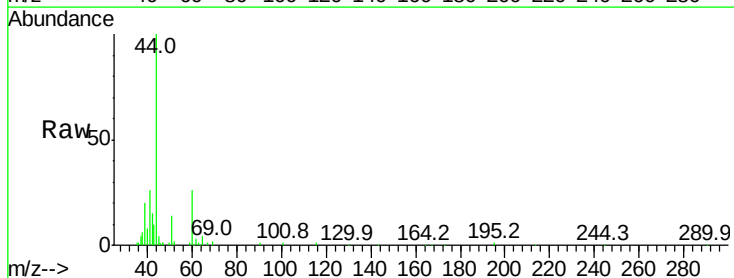
Acq: 12 Jul 2022 17:18

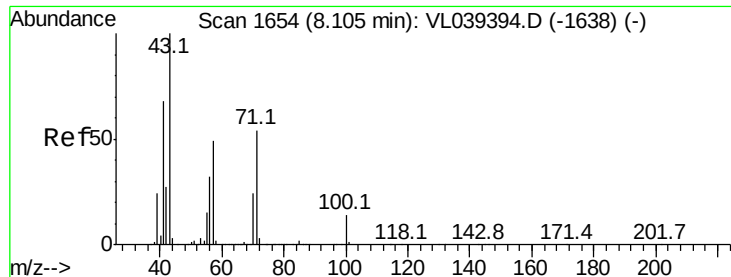
Tgt Ion: 41 Resp: 13215

Ion Ratio Lower Upper

41 100

42 0.0 55.2 82.8#





#10

Heptane

Concen: 0.37 ppbv

RT: 8.15 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

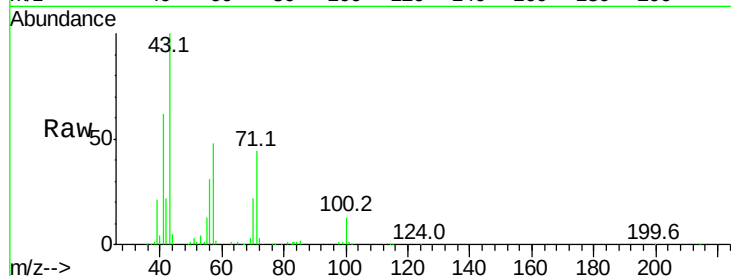
Acq: 12 Jul 2022 17:18

Tgt Ion: 43 Resp: 74383

Ion Ratio Lower Upper

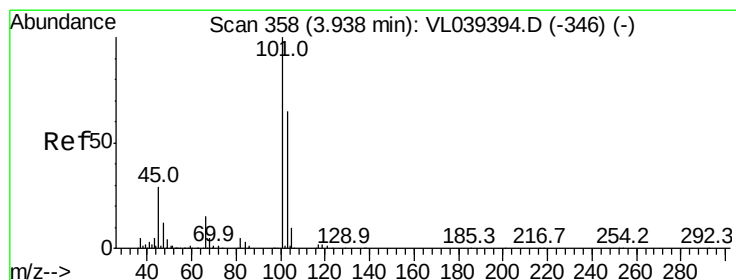
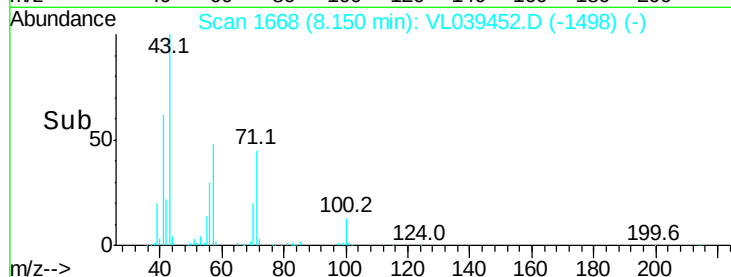
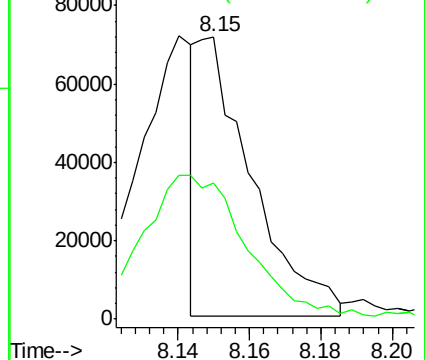
43 100

57 0.0 40.5 60.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.10 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.03 min

Lab File: VL039452.D

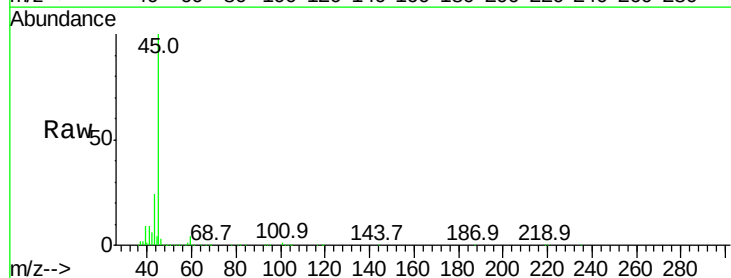
Acq: 12 Jul 2022 17:18

Tgt Ion: 101 Resp: 23534

Ion Ratio Lower Upper

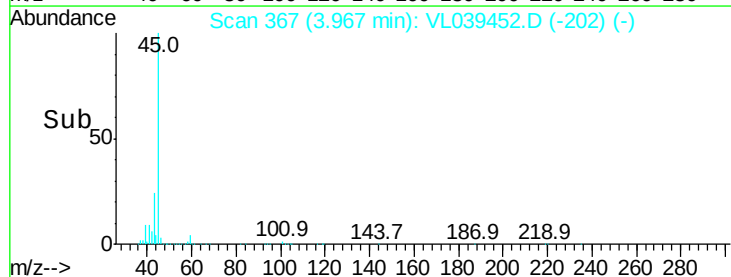
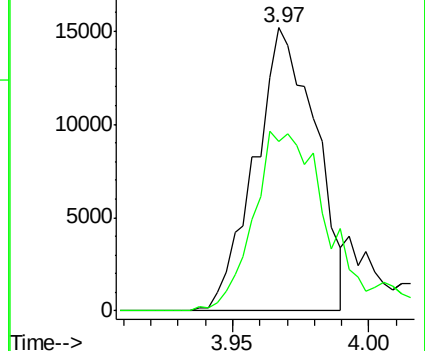
101 100

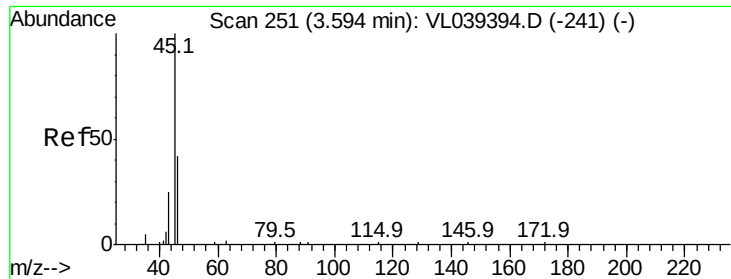
103 59.8 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

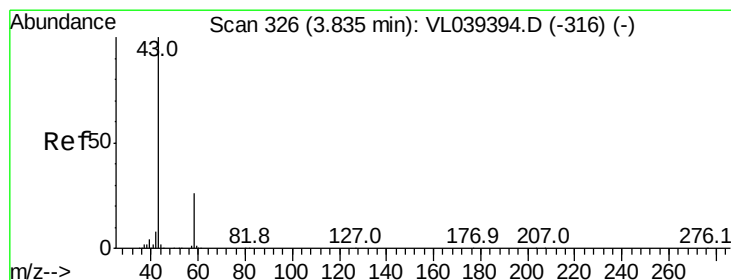
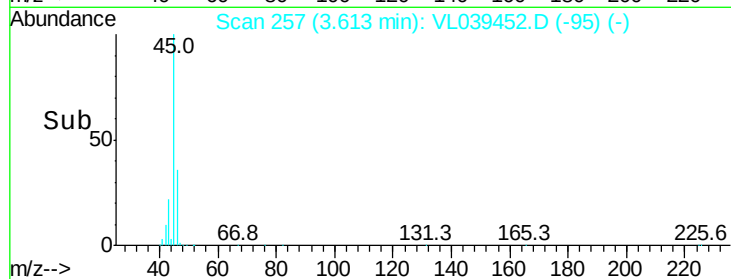
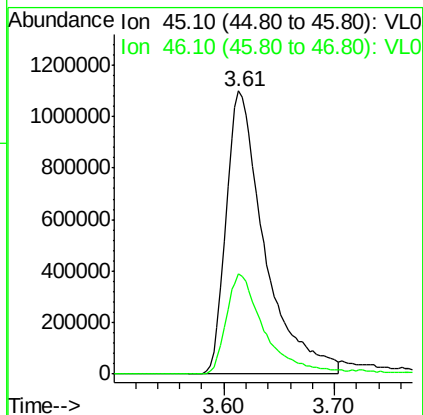
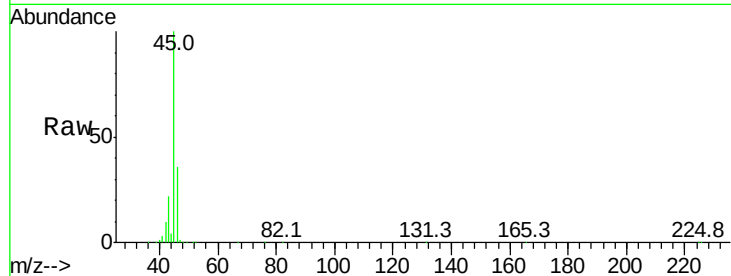
Ion 103.00 (102.70 to 103.70): V





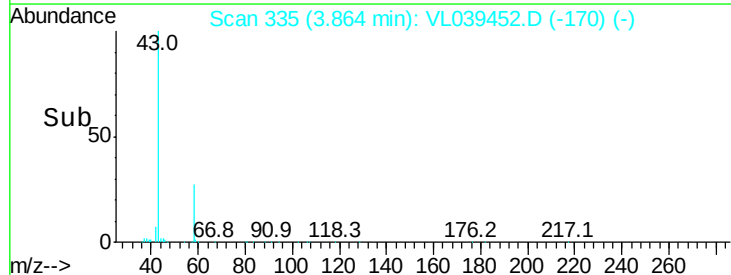
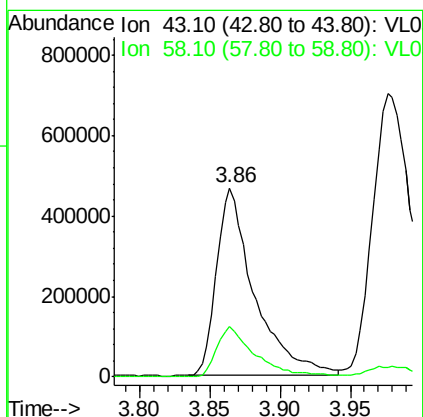
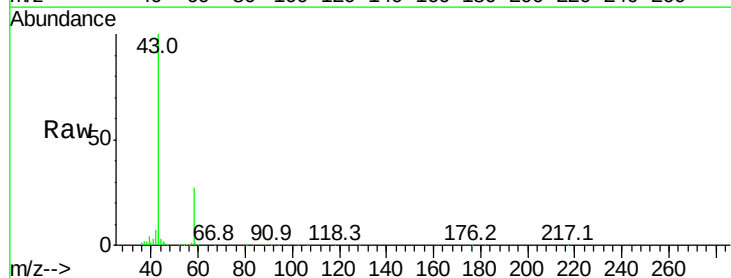
#13
 Ethanol
 Concen: 537.89 ppbv
 RT: 3.61
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 12 Jul 2022 17:18

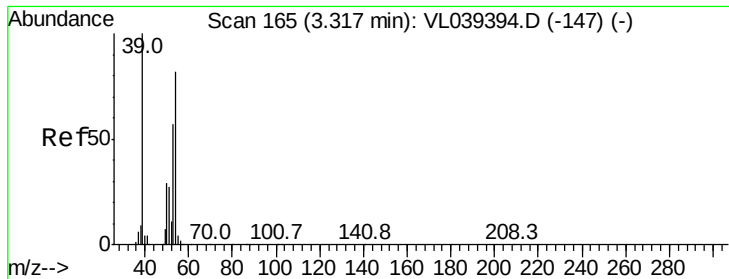
Tgt Ion: 45 Resp: 2664355
 Ion Ratio Lower Upper
 45 100
 46 37.6 22.8 91.2



#15
 Acetone
 Concen: 4.96 ppbv
 RT: 3.86 min Scan# 335
 Delta R.T. 0.03 min
 Lab File: VL039452.D
 Acq: 12 Jul 2022 17:18

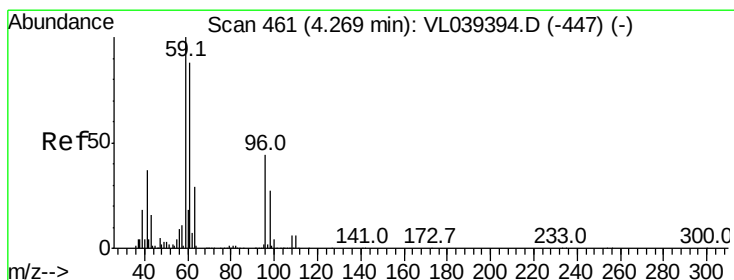
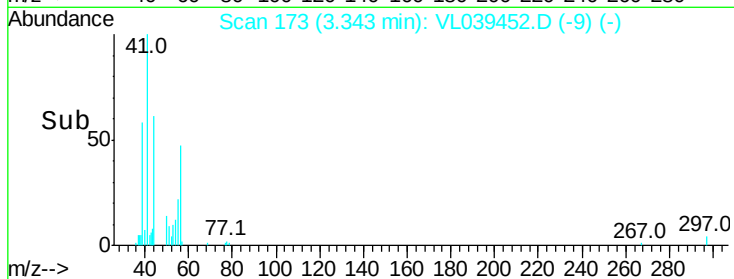
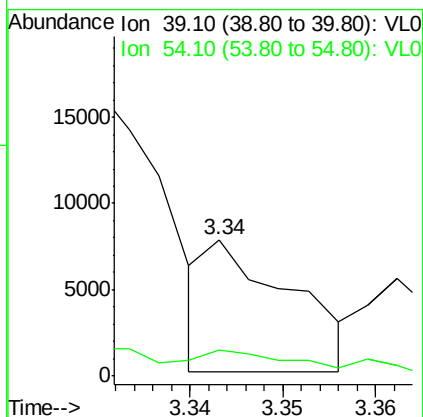
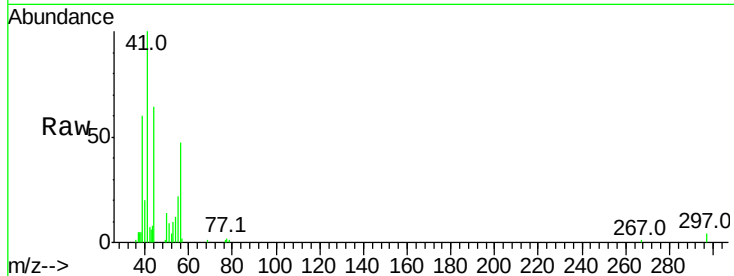
Tgt Ion: 43 Resp: 873625
 Ion Ratio Lower Upper
 43 100
 58 27.2 21.0 31.6





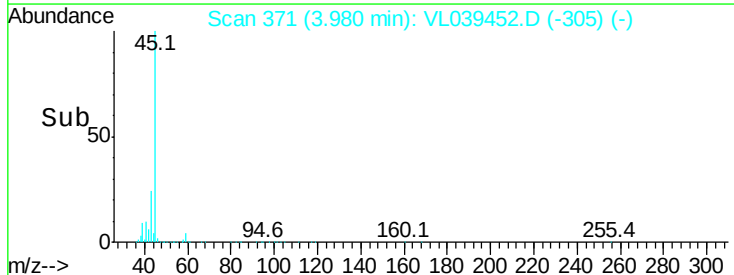
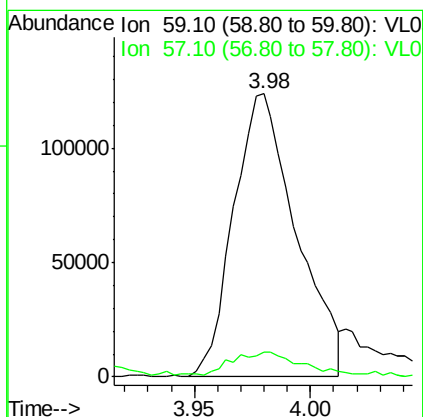
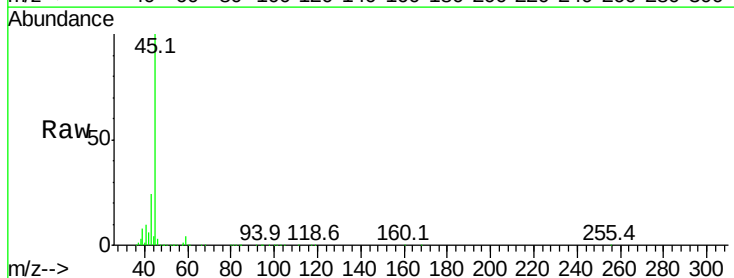
#16
 1,3-Butadiene
 Concen: 0.05 ppbv
 RT: 3.34
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 12 Jul 2022 17:18

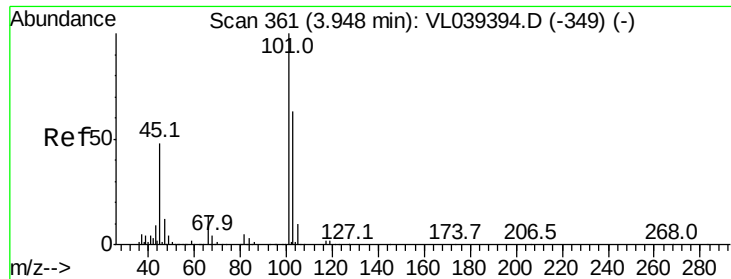
Tgt Ion: 39 Resp: 4939
 Ion Ratio Lower Upper
 39 100
 54 66.7 63.7 95.5



#17
 tert-Butyl alcohol
 Concen: 1.55 ppbv
 RT: 3.98 min Scan# 371
 Delta R.T. -0.29 min
 Lab File: VL039452.D
 Acq: 12 Jul 2022 17:18

Tgt Ion: 59 Resp: 231773
 Ion Ratio Lower Upper
 59 100
 57 11.6 8.7 13.1





#19

Isopropyl Alcohol

Concen: 73.13 ppbv

RT: 3.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

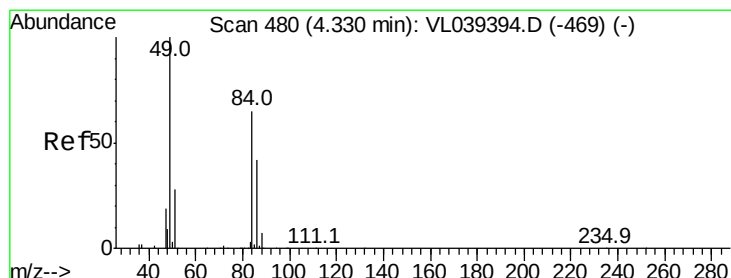
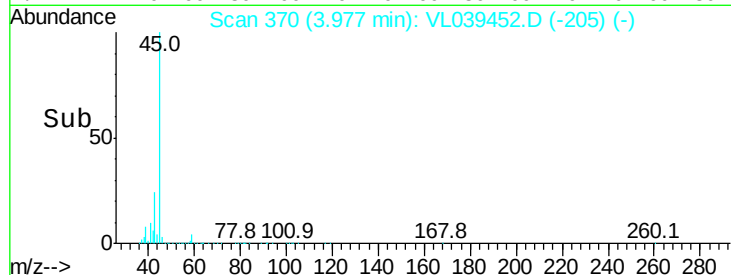
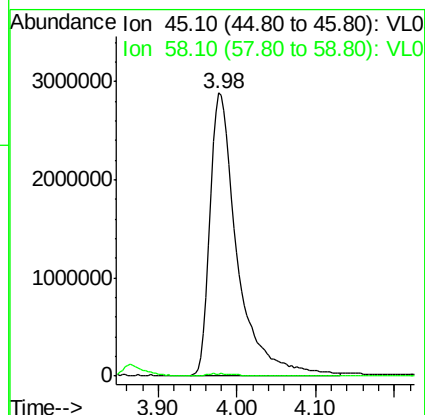
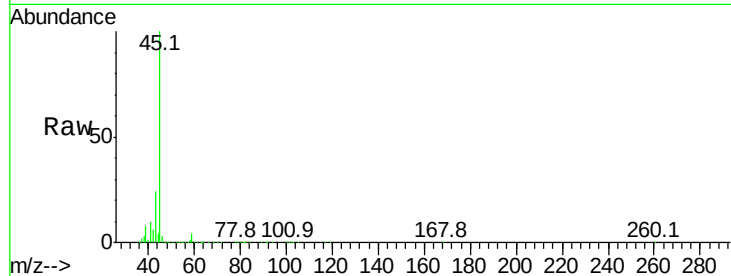
Acq: 12 Jul 2022 17:18

Tgt Ion: 45 Resp: 6877196

Ion Ratio Lower Upper

45 100

58 1.0 3.2 4.8#



#20

Methylene Chloride

Concen: 7.86 ppbv

RT: 4.37 min Scan# 491

Delta R.T. 0.04 min

Lab File: VL039452.D

Acq: 12 Jul 2022 17:18

Tgt Ion: 84 Resp: 552400

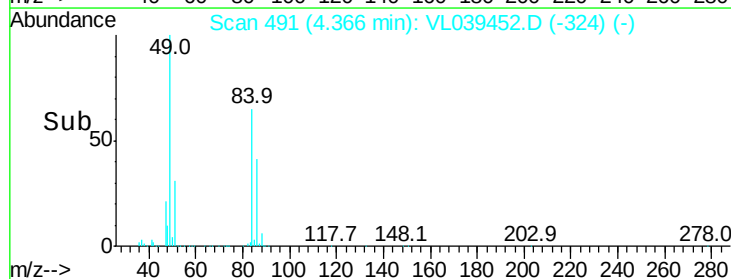
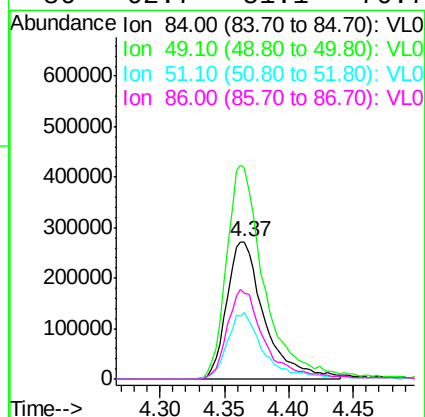
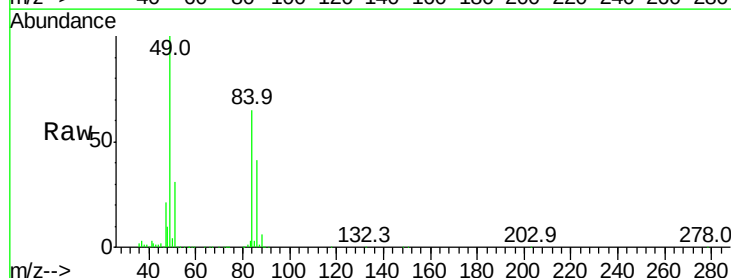
Ion Ratio Lower Upper

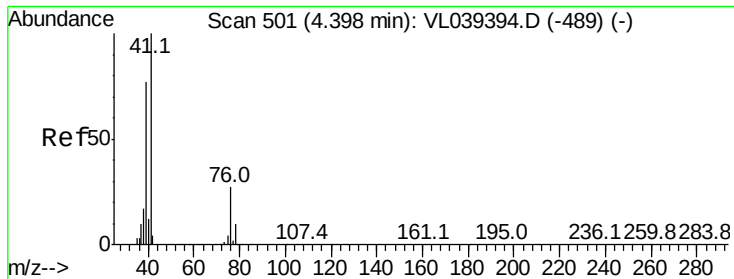
84 100

49 153.7 123.1 184.7

51 48.2 34.4 51.6

86 62.7 51.1 76.7





#21

Allyl Chloride

Concen: 0.07 ppbv

RT: 4.36 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId :

Acq: 12 Jul 2022 17:18 SG-5

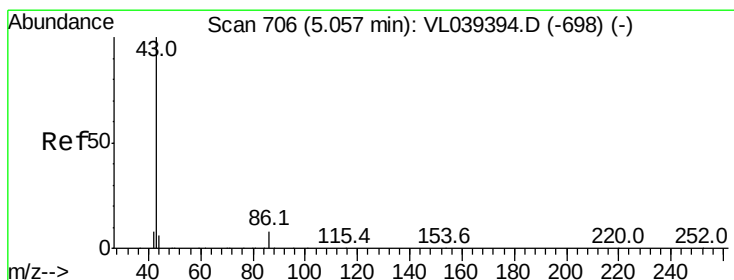
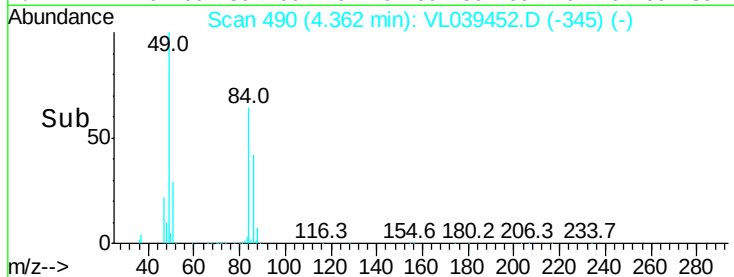
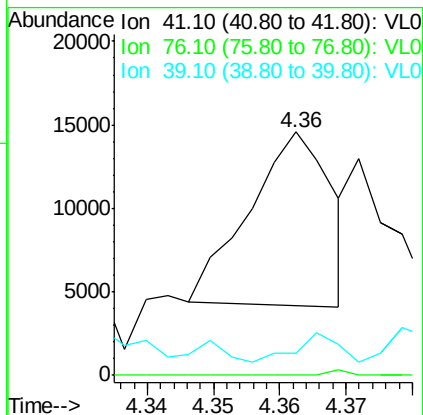
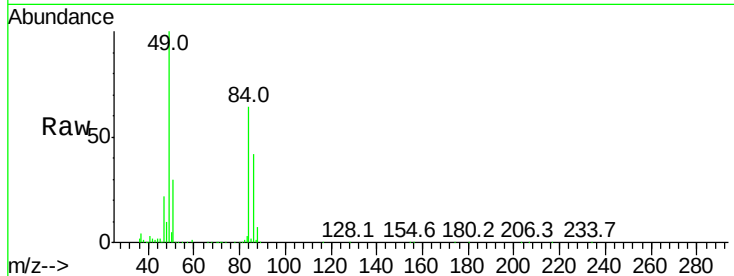
Tgt Ion: 41 Resp: 8975

Ion Ratio Lower Upper

41 100

76 0.0 24.4 36.6#

39 233.6 63.5 95.3#



#23

Vinyl Acetate

Concen: 2.36 ppbv

RT: 5.09 min Scan# 717

Delta R.T. 0.04 min

Lab File: VL039452.D

Acq: 12 Jul 2022 17:18

Tgt Ion: 43 Resp: 278562

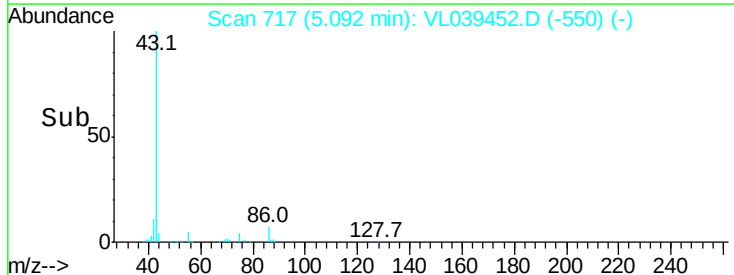
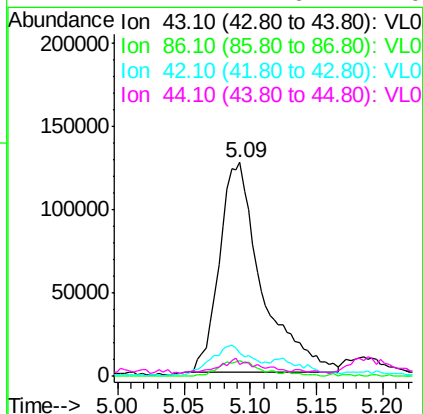
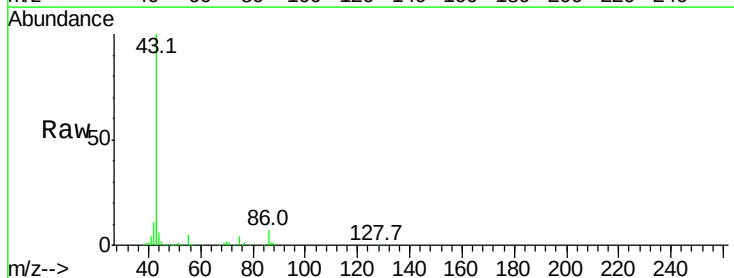
Ion Ratio Lower Upper

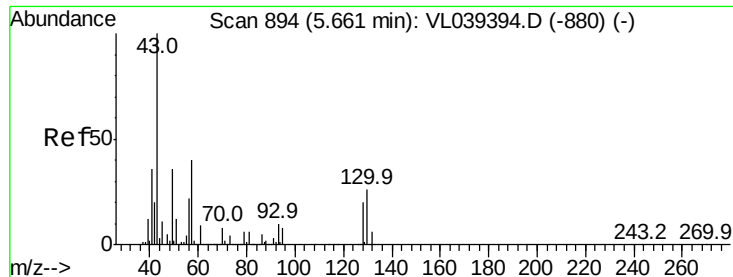
43 100

86 7.6 5.0 7.6#

42 10.0 7.7 11.5

44 2.2 4.6 7.0#

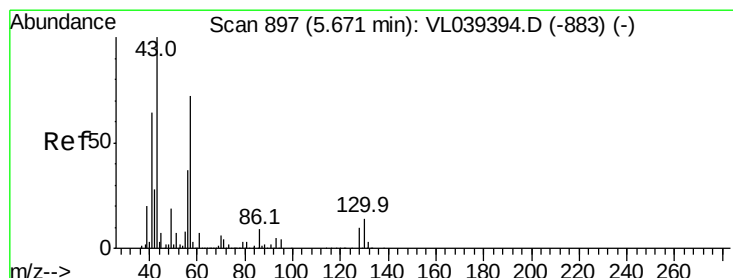
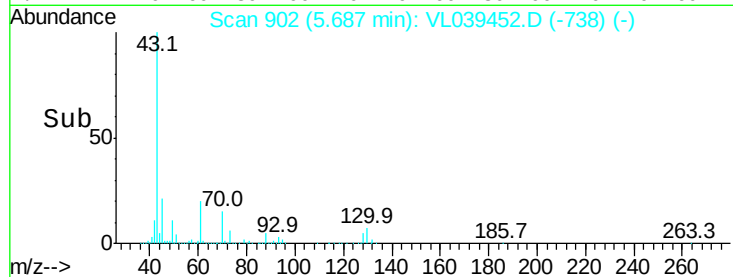
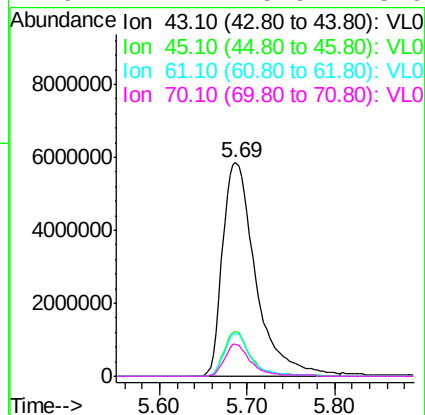
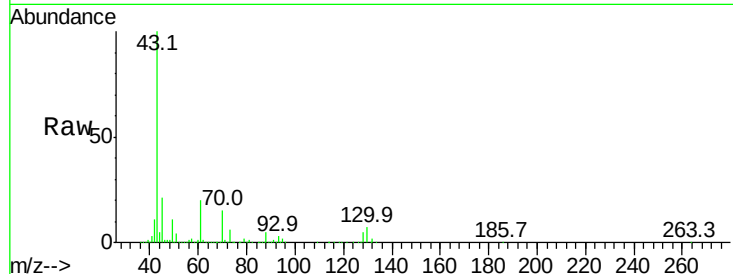




#25
Ethyl Acetate
Concen: 42.68 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 12 Jul 2022 17:18

Tgt Ion: 43 Resp:15427078

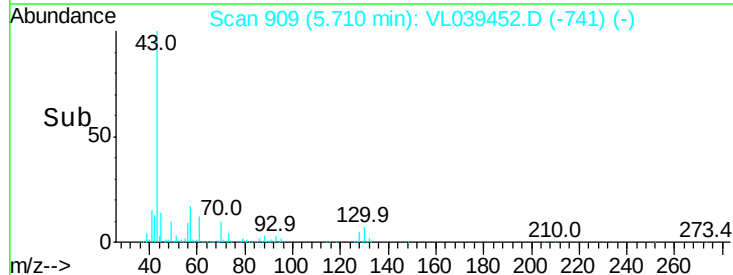
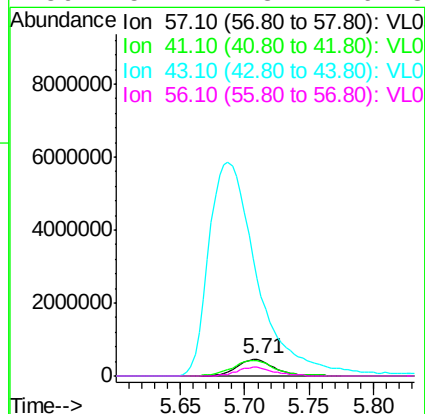
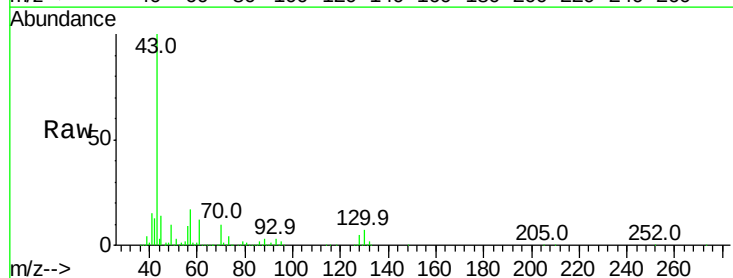
Ion	Ratio	Lower	Upper
43	100		
45	17.4	8.2	12.4#
61	16.4	8.3	12.5#
70	12.2	5.9	8.9#

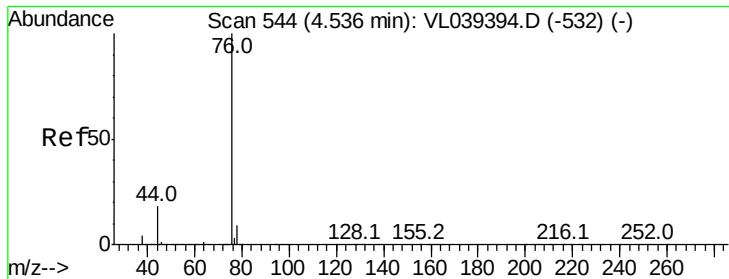


#26
Hexane
Concen: 6.51 ppbv
RT: 5.71 min Scan# 909
Delta R.T.: 0.04 min
Lab File: VL039452.D
Acq: 12 Jul 2022 17:18

Tgt Ion: 57 Resp: 948489

Ion	Ratio	Lower	Upper
57	100		
41	106.0	76.9	115.3
43	1663.3	191.0	286.6#
56	52.7	43.2	64.8





#27

Carbon Disulfide

Concen: 0.05 ppbv

RT: 4.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Jul 2022 17:18

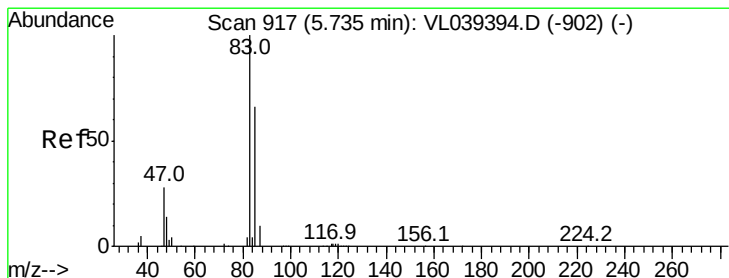
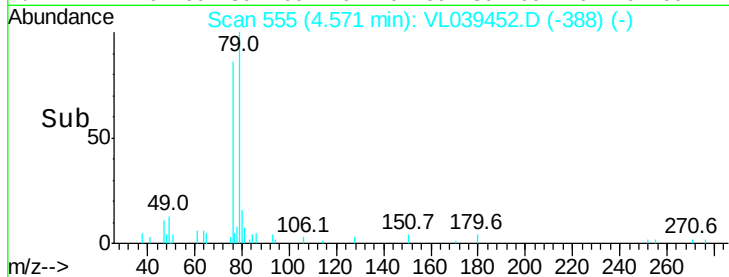
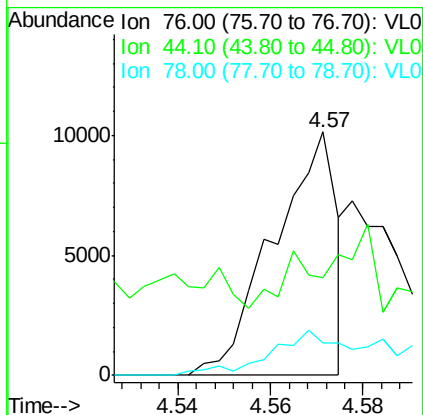
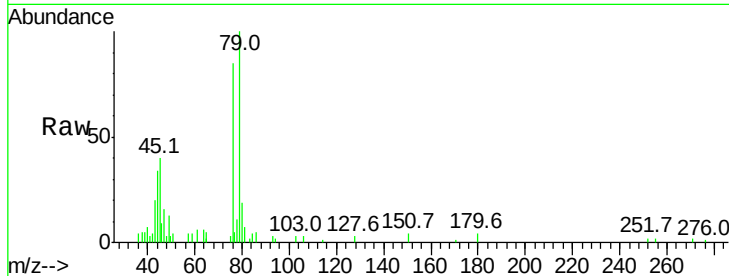
Tgt Ion: 76 Resp: 9598

Ion Ratio Lower Upper

76 100

44 20.0 14.6 21.8

78 50.5 7.8 11.6#



#29

Chloroform

Concen: 0.34 ppbv

RT: 5.77 min Scan# 929

Delta R.T. 0.04 min

Lab File: VL039452.D

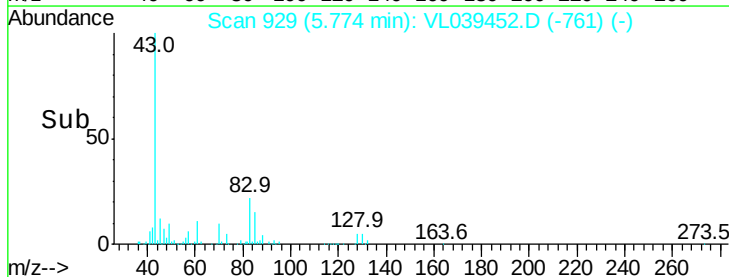
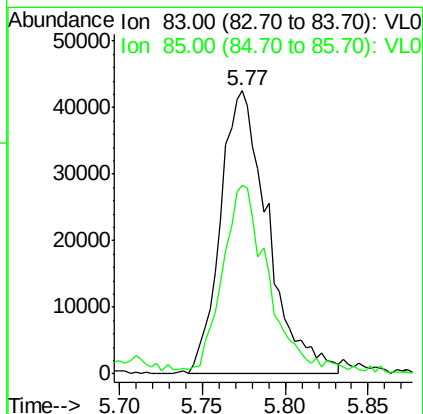
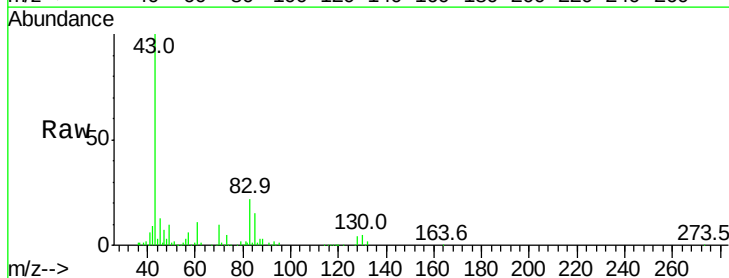
Acq: 12 Jul 2022 17:18

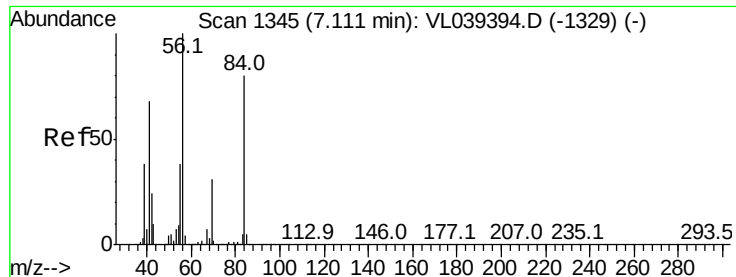
Tgt Ion: 83 Resp: 85145

Ion Ratio Lower Upper

83 100

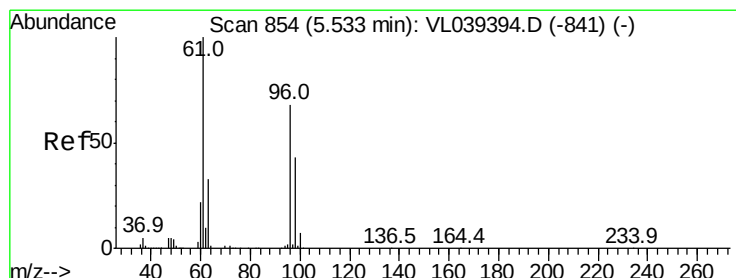
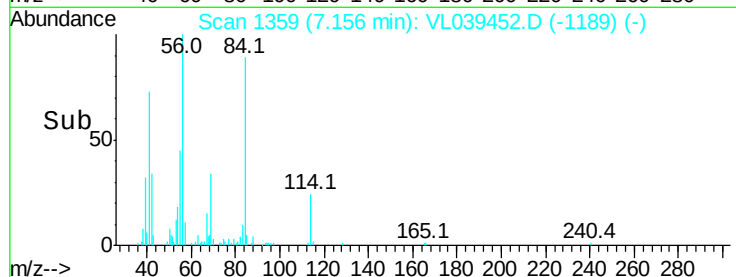
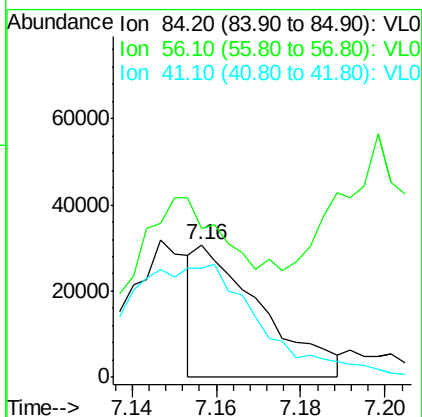
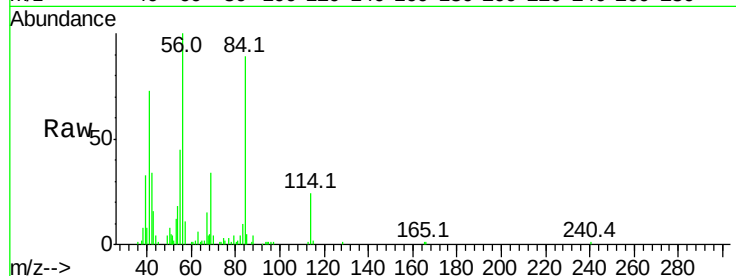
85 65.4 52.8 79.2





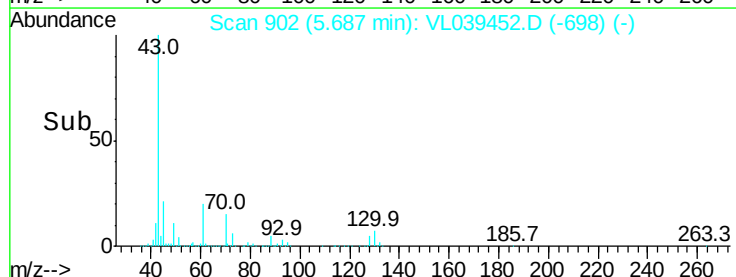
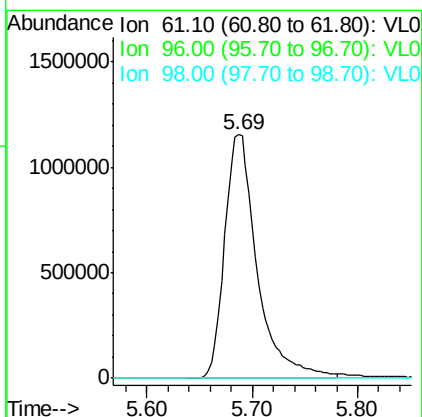
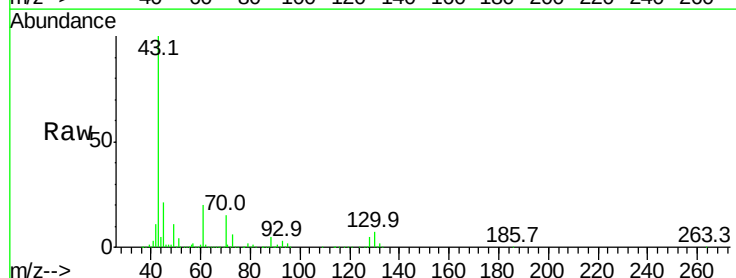
#30
Cyclohexane
Concen: 0.25 ppbv
RT: 7.16
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Jul 2022 17:18

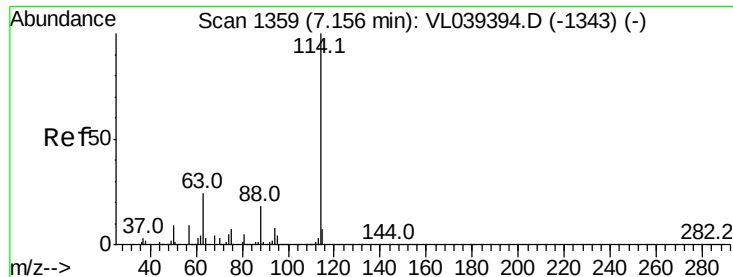
Tgt Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	181.7	67.7	101.5#



#31
cis-1,2-Dichloroethene
Concen: 15.95 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.15 min
Lab File: VL039452.D
Acq: 12 Jul 2022 17:18

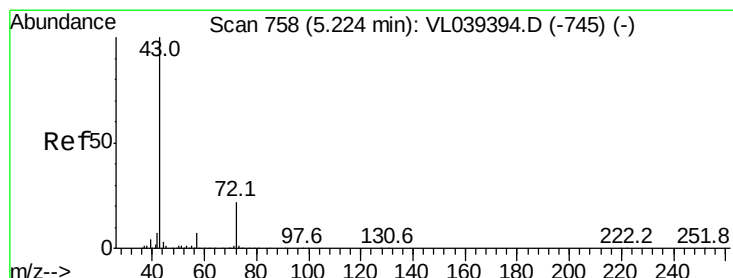
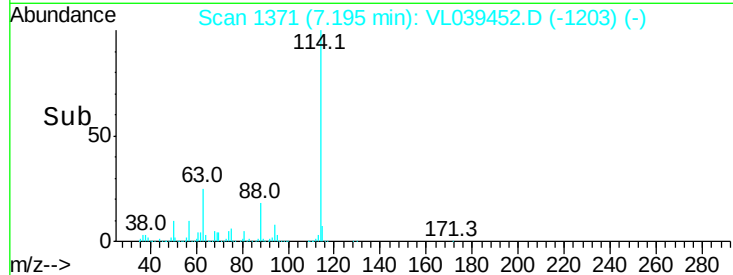
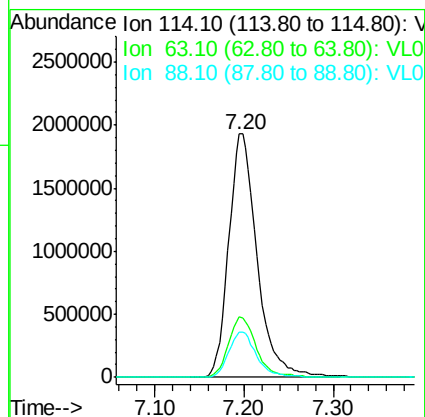
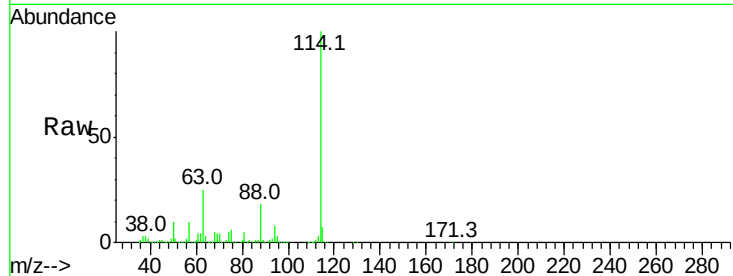
Tgt Ion	Ratio	Lower	Upper
61	100		
96	0.1	54.1	81.1#
98	0.0	34.6	52.0#





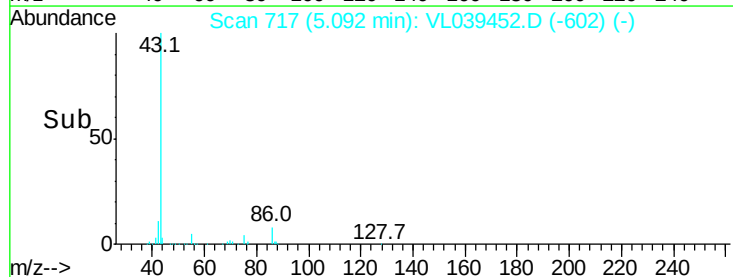
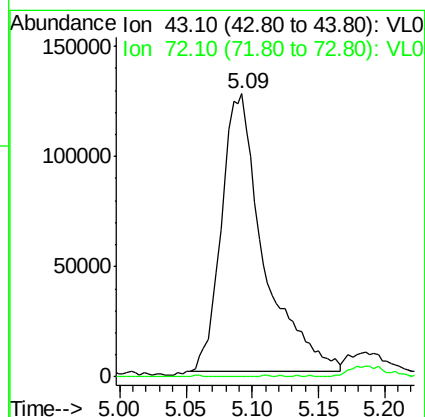
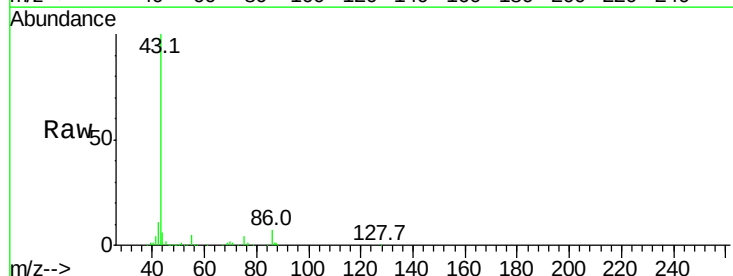
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.20
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 12 Jul 2022 17:18

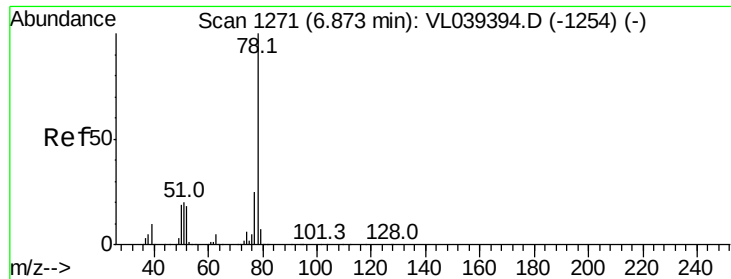
Tgt Ion: 114 Resp: 4256373
 Ion Ratio Lower Upper
 114 100
 63 24.7 20.2 30.4
 88 18.4 14.5 21.7



#34
 2-Butanone
 Concen: 1.30 ppbv
 RT: 5.09 min Scan# 717
 Delta R.T. -0.13 min
 Lab File: VL039452.D
 Acq: 12 Jul 2022 17:18

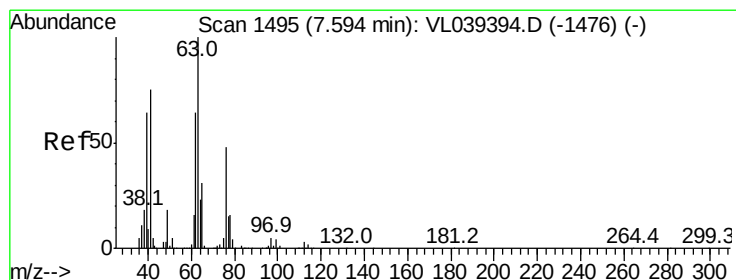
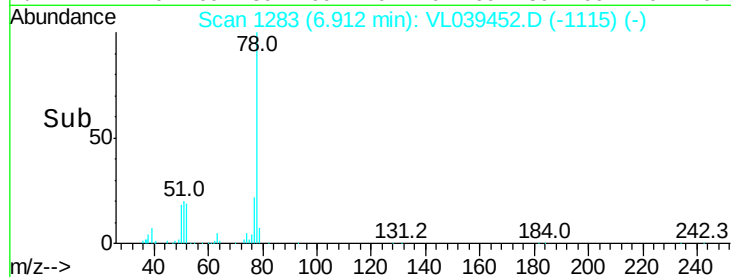
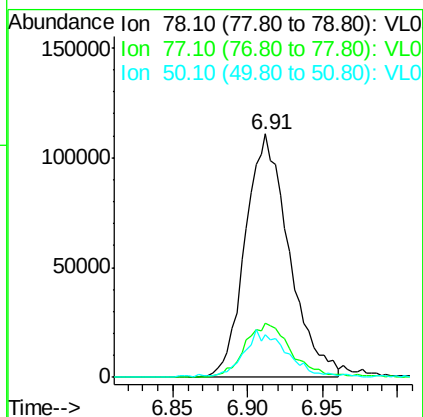
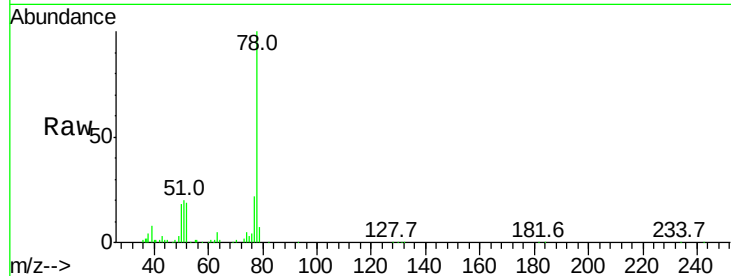
Tgt Ion: 43 Resp: 278022
 Ion Ratio Lower Upper
 43 100
 72 0.3 17.9 26.9#





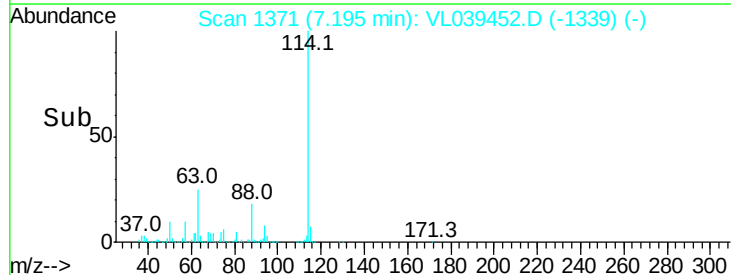
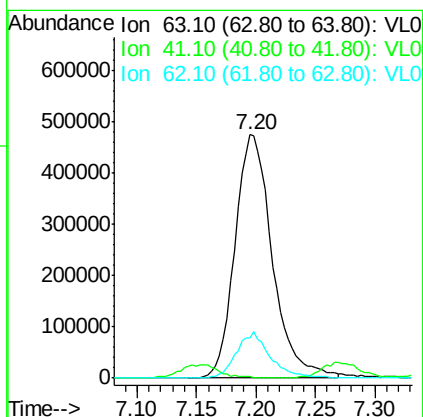
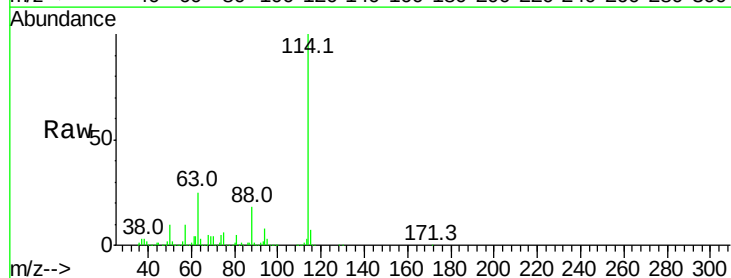
#36
Benzene
Concen: 0.69 ppbv
RT: 6.91
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Jul 2022 17:18

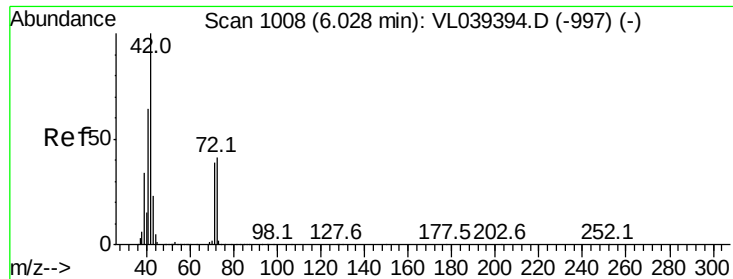
Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	20.3	30.5
50	17.2	15.5	23.3



#39
1,2-Dichloropropane
Concen: 8.38 ppbv
RT: 7.20 min Scan# 1371
Delta R.T. -0.40 min
Lab File: VL039452.D
Acq: 12 Jul 2022 17:18

Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	16.4	51.4	77.0#

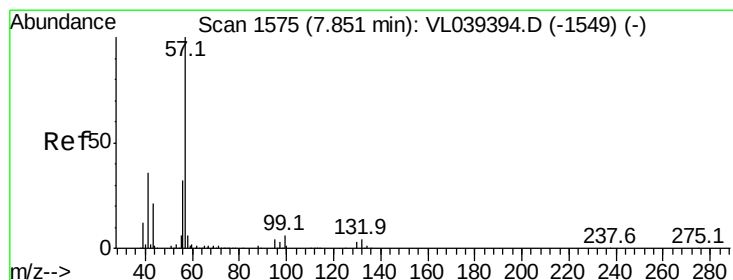
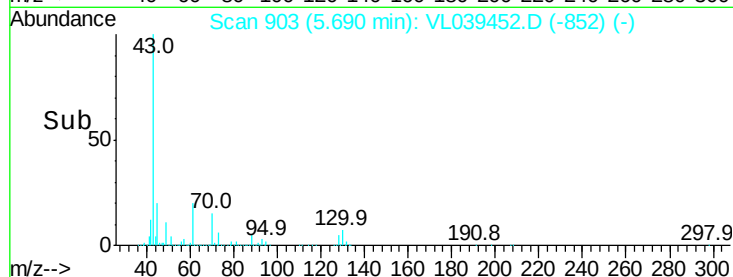
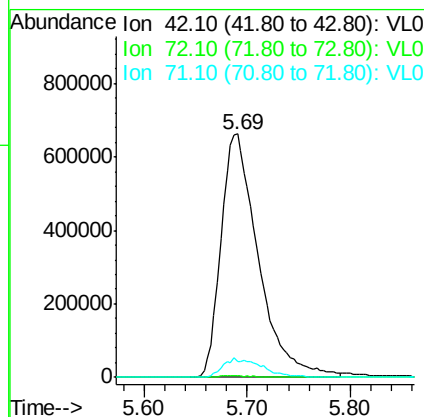
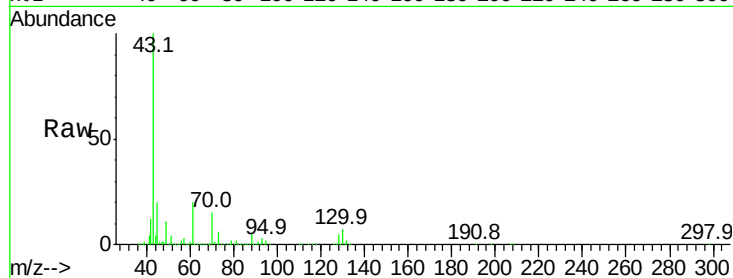




#41
Tetrahydrofuran
Concen: 13.42 ppbv
RT: 5.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Jul 2022 17:18

Tgt Ion: 42 Resp: 1666418

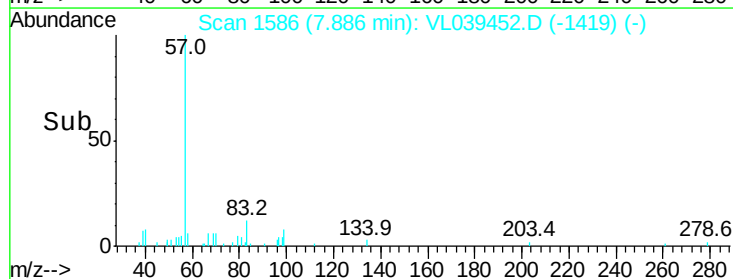
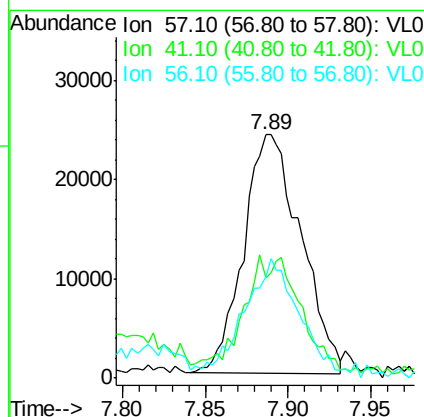
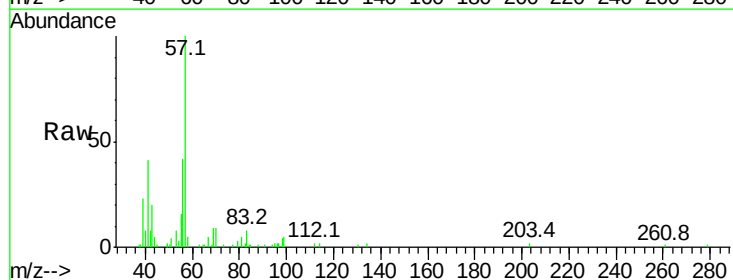
Ion	Ratio	Lower	Upper
42	100		
72	0.7	31.8	47.8#
71	8.4	31.8	47.8#

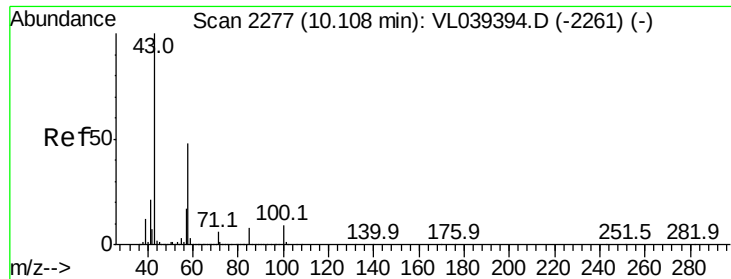


#44
2,2,4-Trimethylpentane
Concen: 0.10 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.04 min
Lab File: VL039452.D
Acq: 12 Jul 2022 17:18

Tgt Ion: 57 Resp: 58085

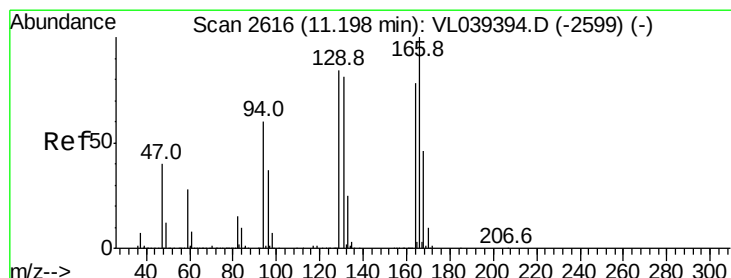
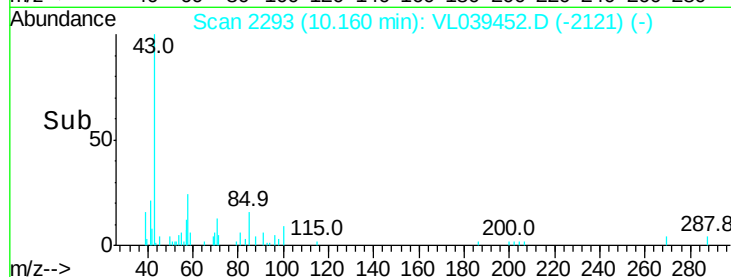
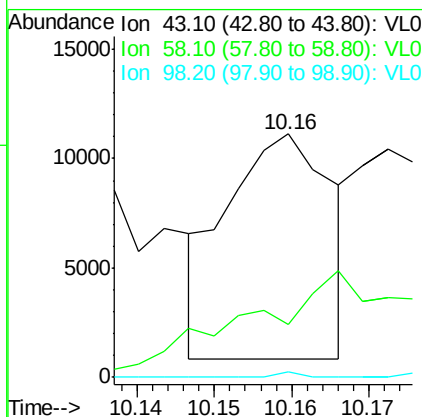
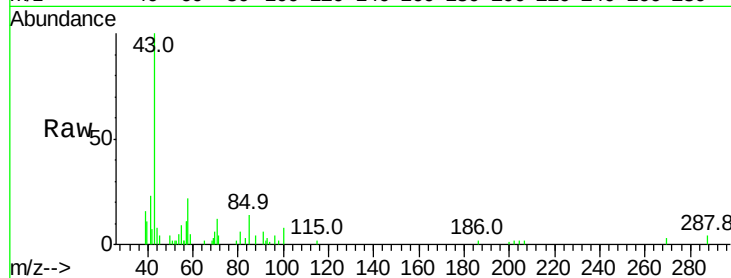
Ion	Ratio	Lower	Upper
57	100		
41	47.5	27.4	41.2#
56	50.4	24.5	36.7#





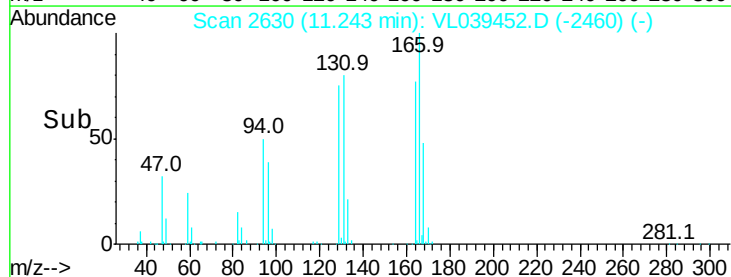
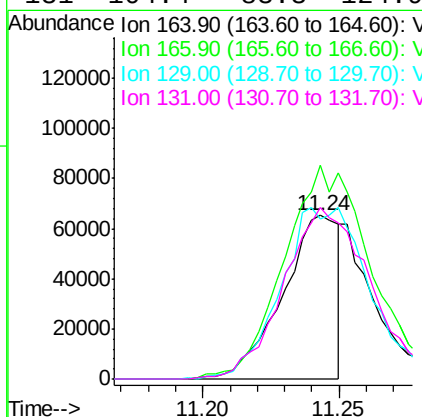
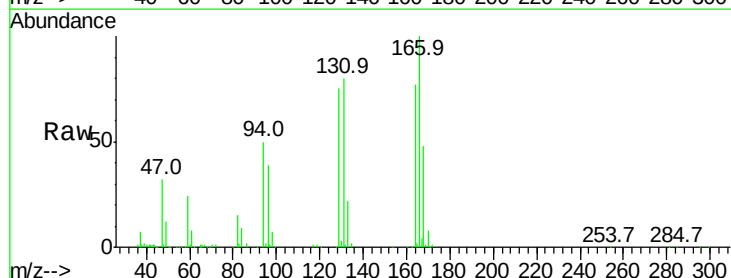
#51
2-Hexanone
Concen: 0.04 ppbv
RT: 10.16
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Jul 2022 17:18

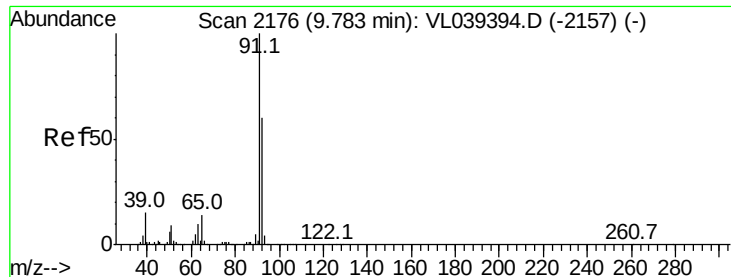
Tgt Ion: 43 Resp: 9670
Ion Ratio Lower Upper
43 100
58 0.0 38.4 57.6#
98 0.0 0.3 0.5#



#52
Tetrachloroethene
Concen: 0.70 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.04 min
Lab File: VL039452.D
Acq: 12 Jul 2022 17:18

Tgt Ion: 164 Resp: 92974
Ion Ratio Lower Upper
164 100
166 130.6 102.2 153.2
129 96.9 85.8 128.8
131 104.4 83.3 124.9





#53

Toluene

Concen: 2.37 ppbv

RT: 9.83

Delta R.T.

Lab File:

Acq: 12 Jul 2022 17:18

Instrument:

MSVOA_1

ClientSampleId:

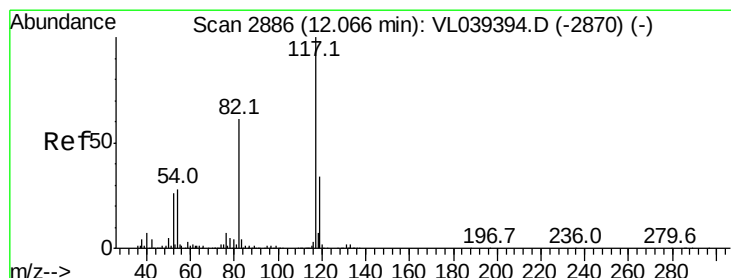
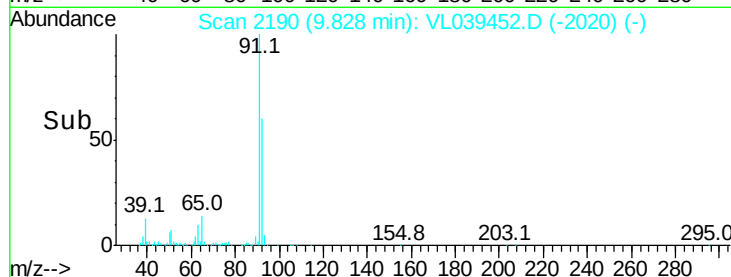
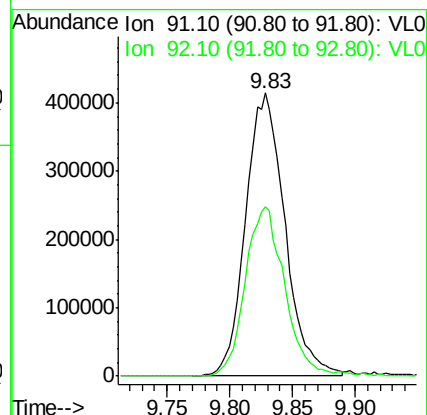
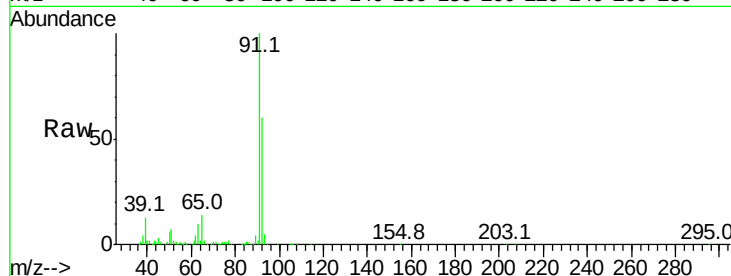
SG-5

Tgt Ion: 91 Resp: 900522

Ion Ratio Lower Upper

91 100

92 60.2 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.04 min

Lab File: VL039452.D

Acq: 12 Jul 2022 17:18

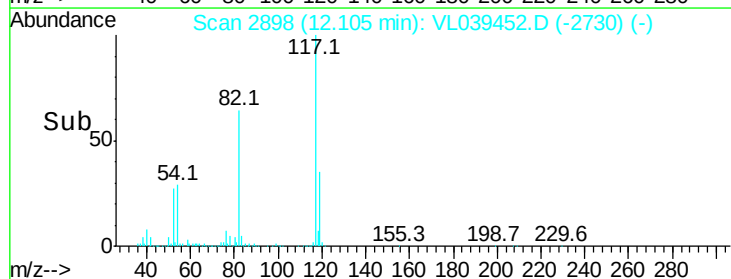
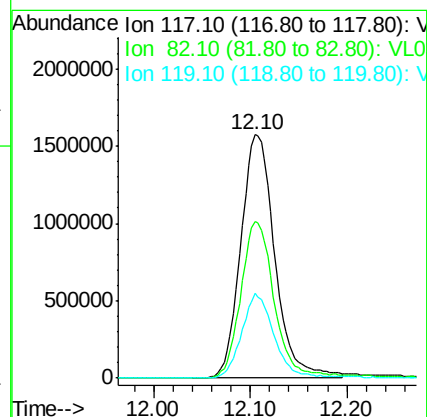
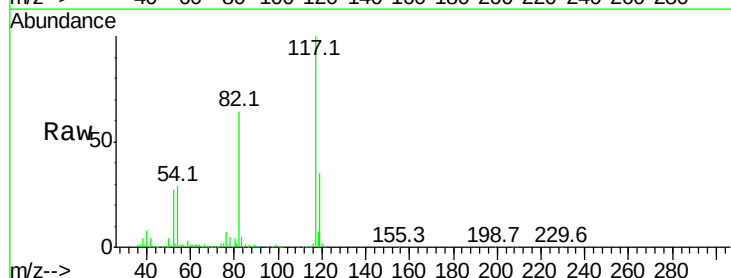
Tgt Ion: 117 Resp: 3859866

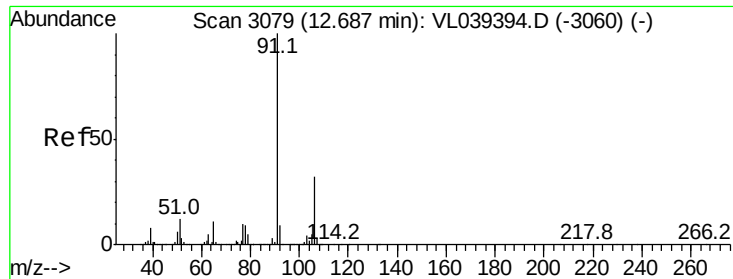
Ion Ratio Lower Upper

117 100

82 64.4 50.8 76.2

119 33.6 24.1 36.1





#58

Ethyl Benzene

Concen: 1.13 ppbv

RT: 12.73

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

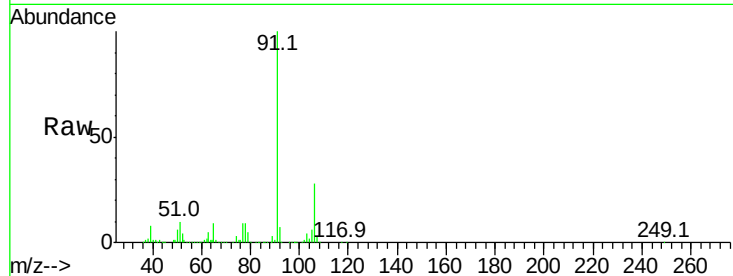
Acq: 12 Jul 2022 17:18

Tgt Ion: 91 Resp: 561911

Ion Ratio Lower Upper

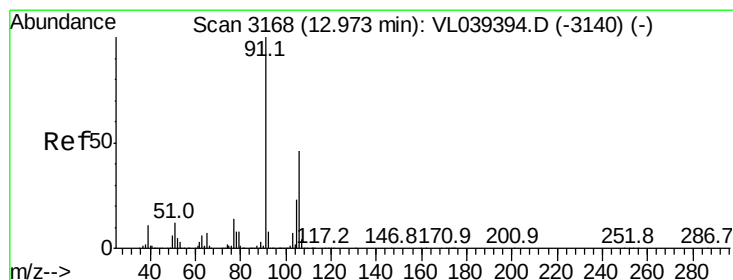
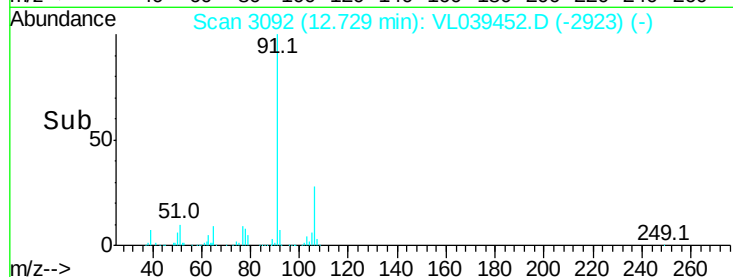
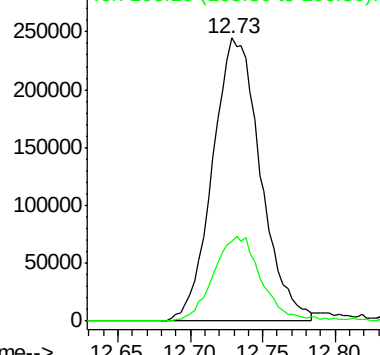
91 100

106 28.0 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 5.98 ppbv

RT: 12.98 min Scan# 3171

Delta R.T. 0.01 min

Lab File: VL039452.D

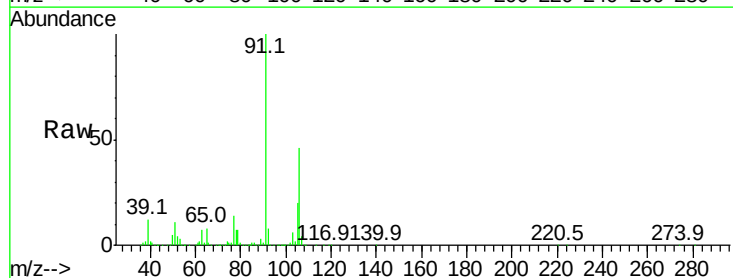
Acq: 12 Jul 2022 17:18

Tgt Ion: 91 Resp: 2627781

Ion Ratio Lower Upper

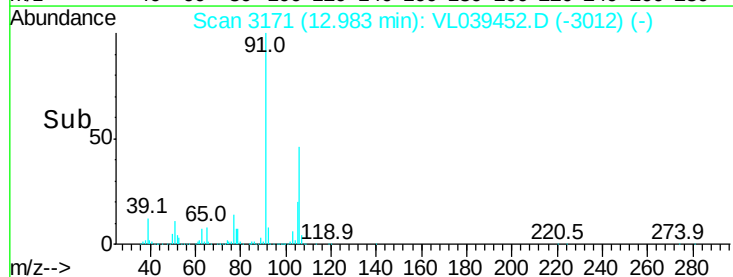
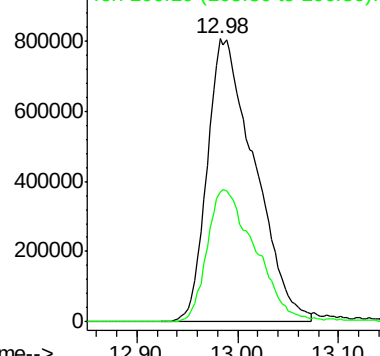
91 100

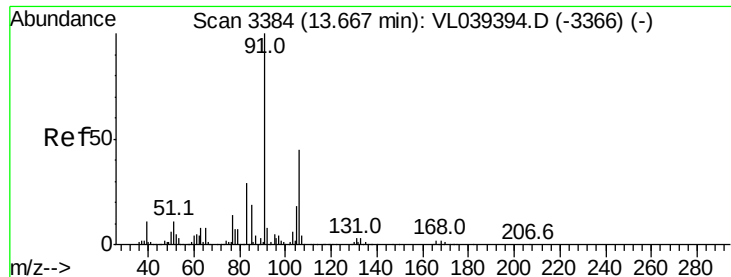
106 48.2 35.4 53.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#60

o-Xylene

Concen: 3.24 ppbv

RT: 13.71

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

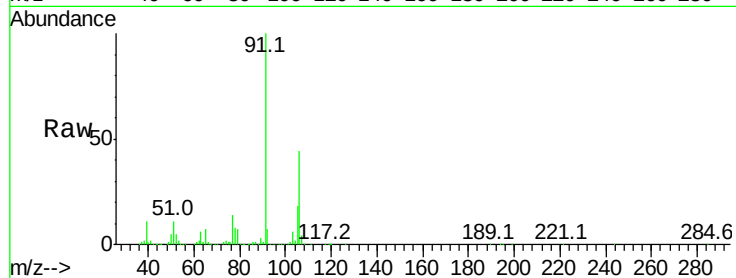
Acq: 12 Jul 2022 17:18

Tgt Ion: 91 Resp: 1349414

Ion Ratio Lower Upper

91 100

106 46.7 22.4 67.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.71

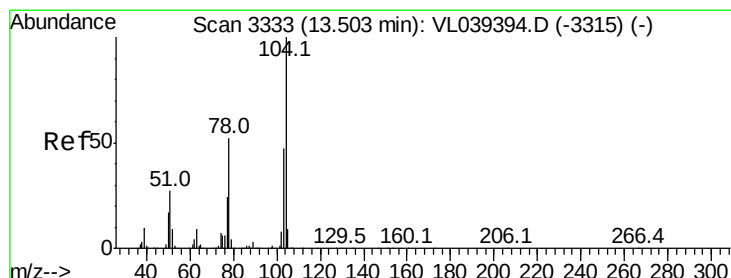
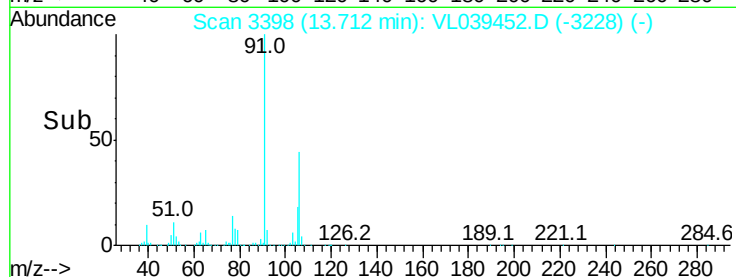
600000

400000

200000

0

Time--> 13.60 13.70 13.80



#61

Styrene

Concen: 0.04 ppbv

RT: 13.54 min Scan# 3345

Delta R.T. 0.04 min

Lab File: VL039452.D

Acq: 12 Jul 2022 17:18

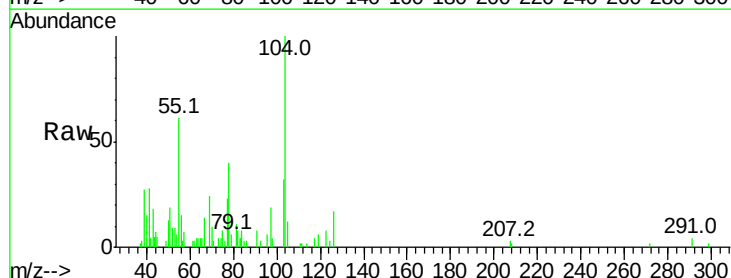
Tgt Ion: 104 Resp: 9247

Ion Ratio Lower Upper

104 100

78 0.0 41.2 61.8#

103 0.0 38.7 58.1#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V

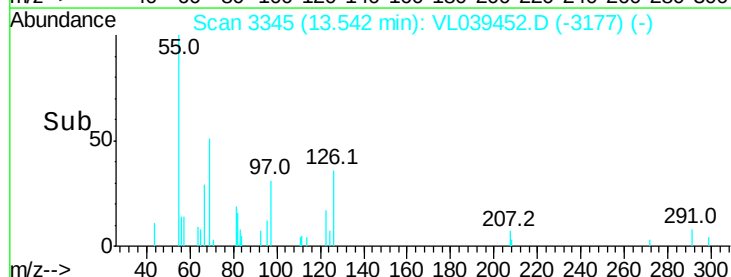
13.54

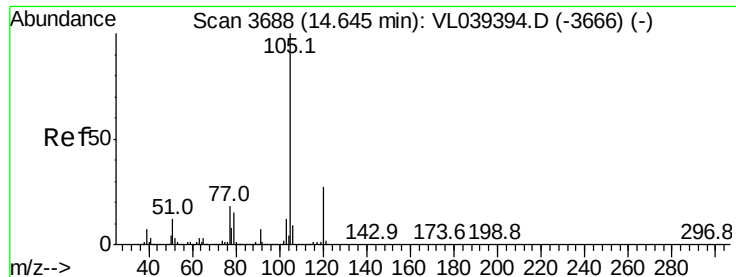
10000

5000

0

Time--> 13.50 13.52 13.54





#62

Isopropylbenzene

Concen: 0.06 ppbv

RT: 14.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

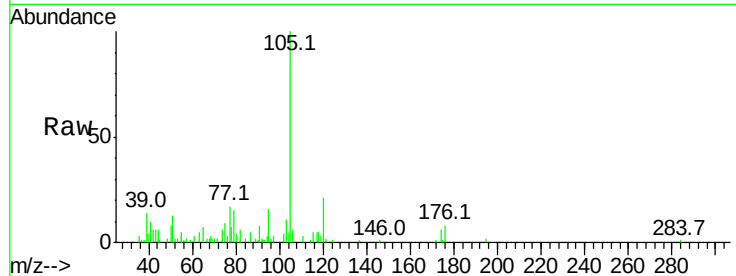
Acq: 12 Jul 2022 17:18

Tgt Ion:105 Resp: 36064

Ion Ratio Lower Upper

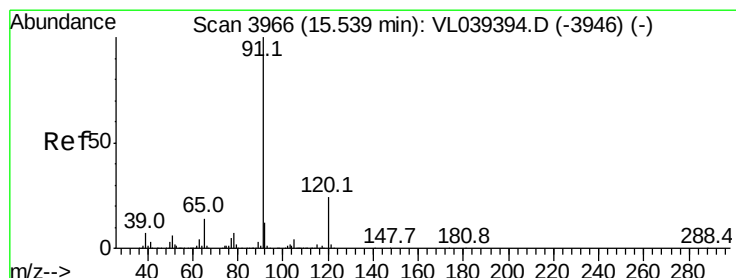
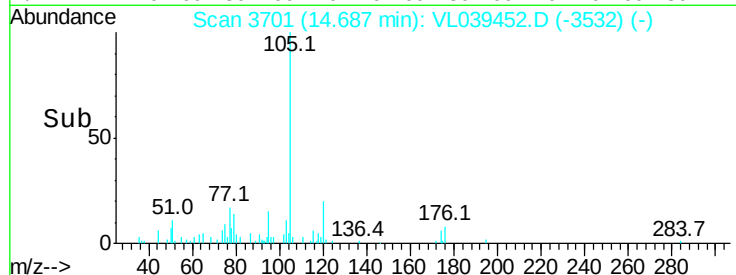
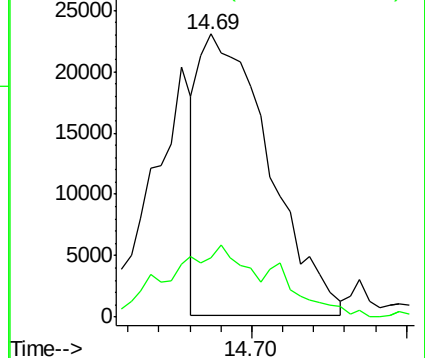
105 100

120 38.9 20.7 31.1#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.18 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. 0.05 min

Lab File: VL039452.D

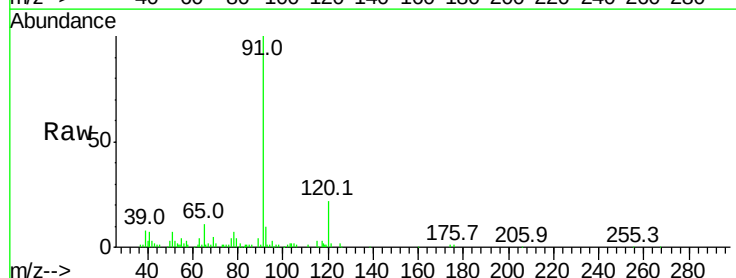
Acq: 12 Jul 2022 17:18

Tgt Ion:120 Resp: 28842

Ion Ratio Lower Upper

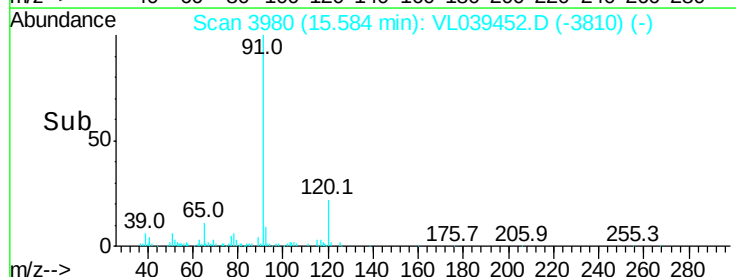
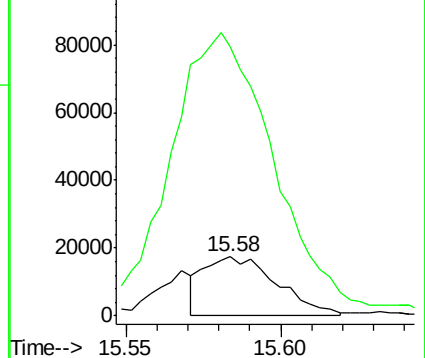
120 100

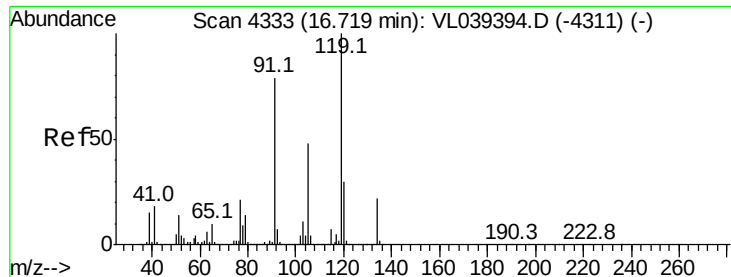
91 687.3 367.2 550.8#



Abundance Ion 120.20 (119.90 to 120.90): V

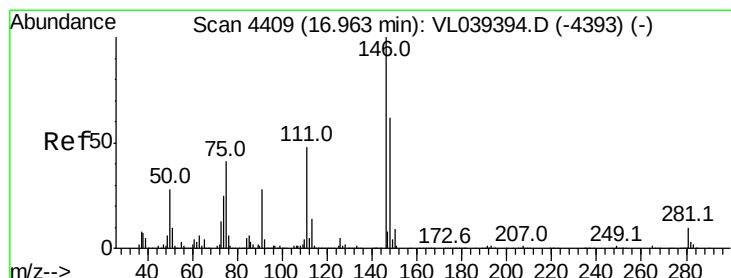
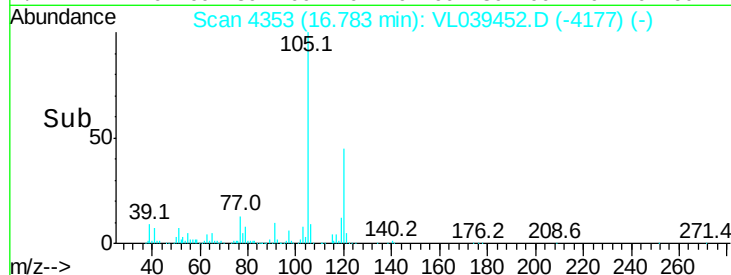
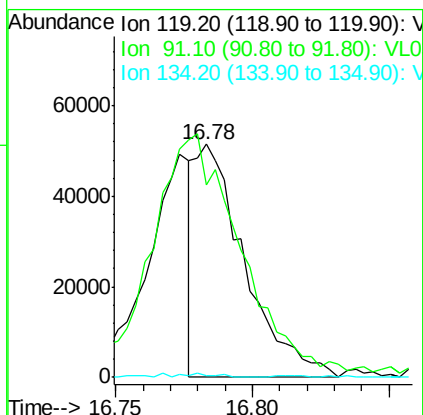
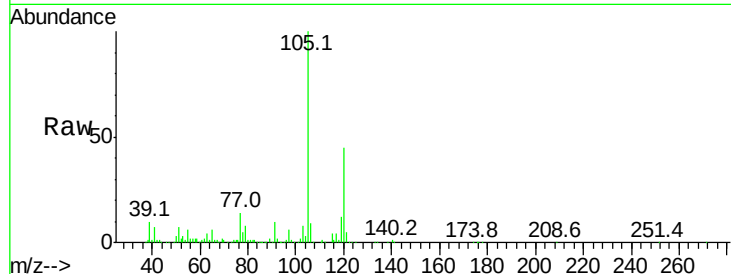
Ion 91.10 (90.80 to 91.80): VL0





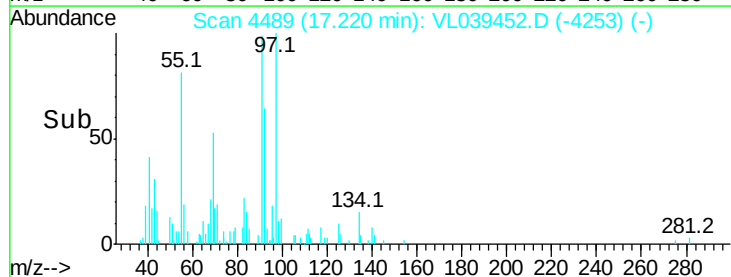
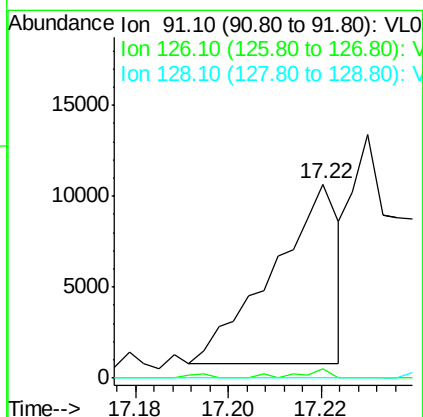
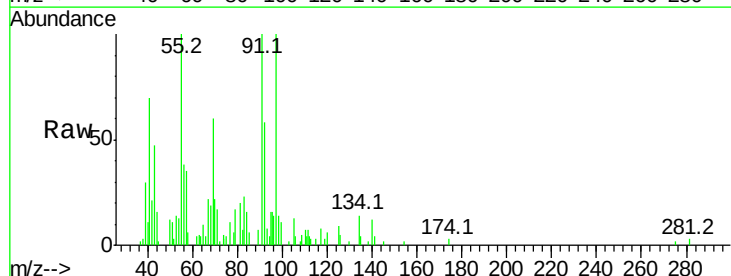
#65
 tert-Butylbenzene
 Concen: 0.11 ppbv
 RT: 16.78 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 12 Jul 2022 17:18

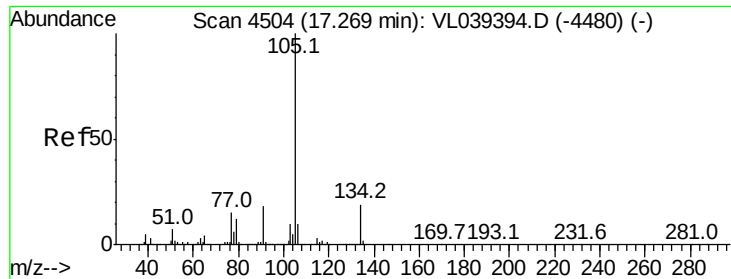
Tgt Ion: 119 Resp: 64580
 Ion Ratio Lower Upper
 119 100
 91 187.2 63.4 95.2#
 134 1.7 15.9 23.9#



#66
 Benzyl Chloride
 Concen: 0.17 ppbv
 RT: 17.22 min Scan# 4489
 Delta R.T. 0.26 min
 Lab File: VL039452.D
 Acq: 12 Jul 2022 17:18

Tgt Ion: 91 Resp: 9723
 Ion Ratio Lower Upper
 91 100
 126 3.1 13.1 19.7#
 128 0.8 4.4 6.6#





#67

sec-Butylbenzene

Concen: 0.07 ppbv

RT: 17.31

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

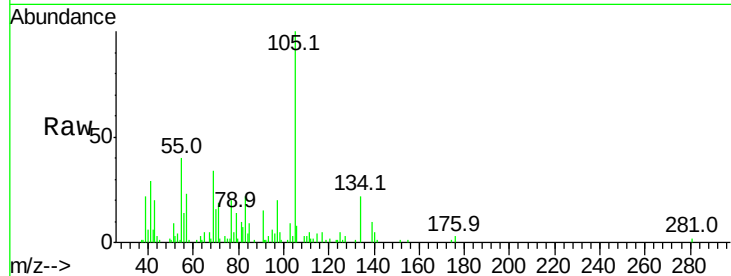
Acq: 12 Jul 2022 17:18

Tgt Ion: 105 Resp: 58337

Ion Ratio Lower Upper

105 100

134 18.9 14.8 22.2

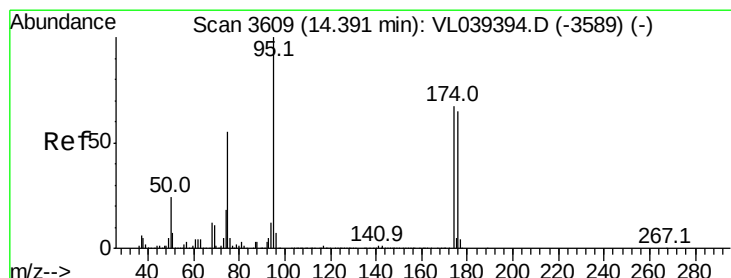
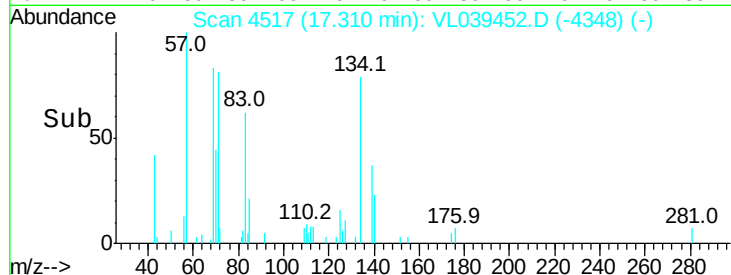


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.31

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.03 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.05 min

Lab File: VL039452.D

Acq: 12 Jul 2022 17:18

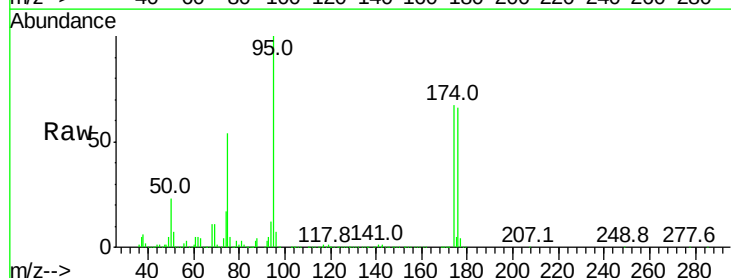
Tgt Ion: 95 Resp: 2873217

Ion Ratio Lower Upper

95 100

174 74.5 55.9 83.9

175 5.7 4.2 6.4



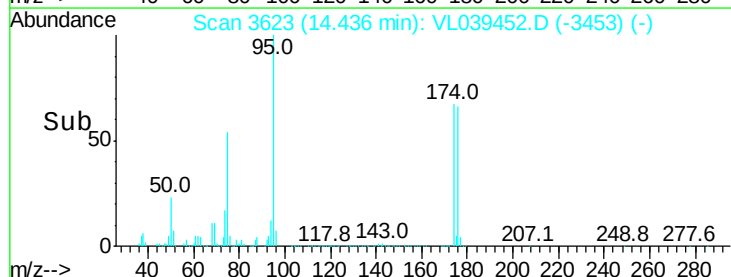
Abundance Ion 95.10 (94.80 to 95.80): VL0

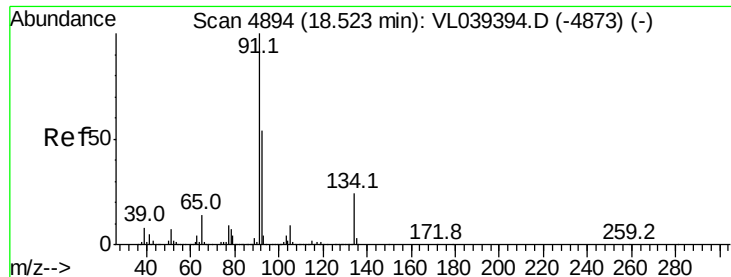
Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.44

Time-->





#70

n-Butylbenzene

Concen: 0.16 ppbv

RT: 18.58

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Jul 2022 17:18

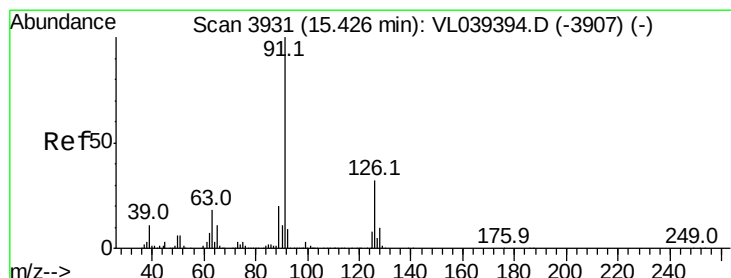
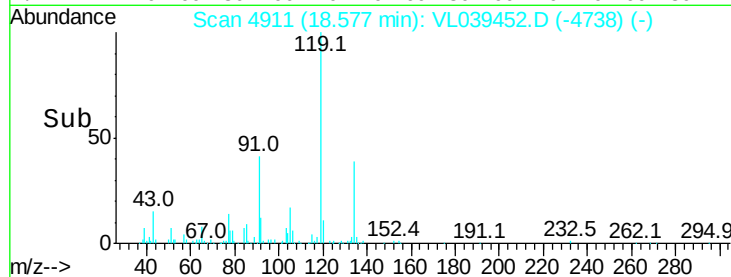
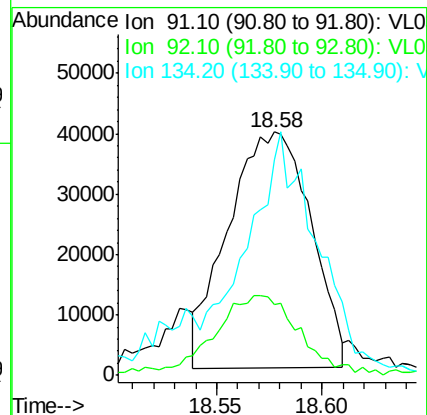
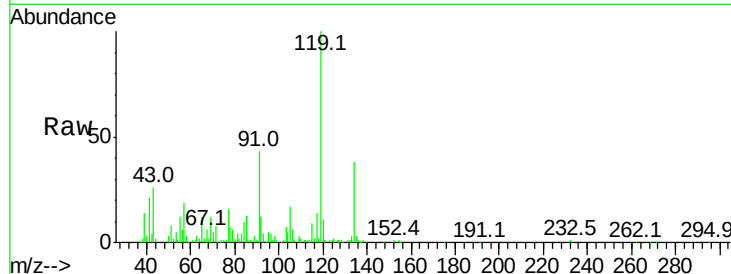
Tgt Ion: 91 Resp: 106555

Ion Ratio Lower Upper

91 100

92 35.0 43.4 65.2#

134 106.5 18.9 28.3#



#71

2-Chlorotoluene

Concen: 0.03 ppbv

RT: 15.33 min Scan# 3902

Delta R.T. -0.09 min

Lab File: VL039452.D

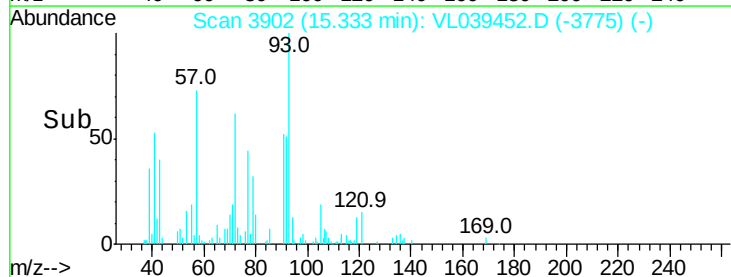
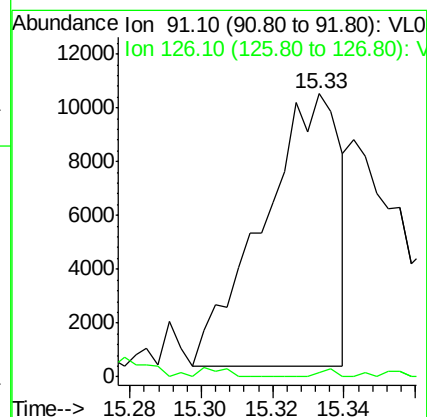
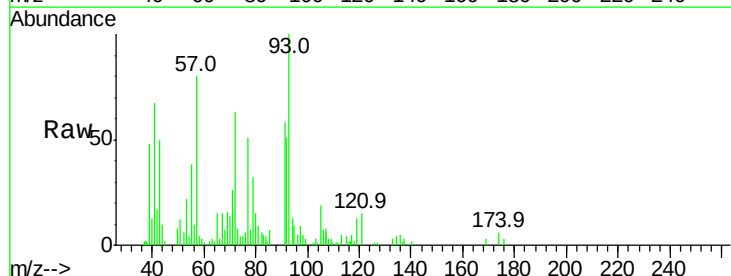
Acq: 12 Jul 2022 17:18

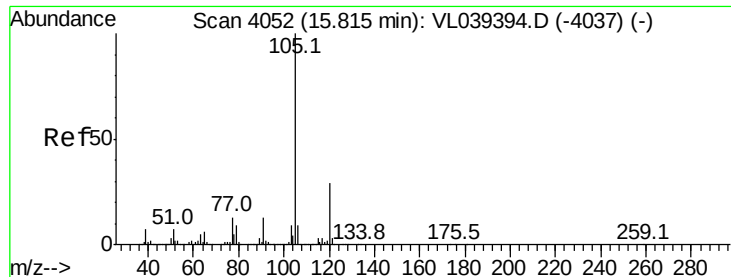
Tgt Ion: 91 Resp: 15136

Ion Ratio Lower Upper

91 100

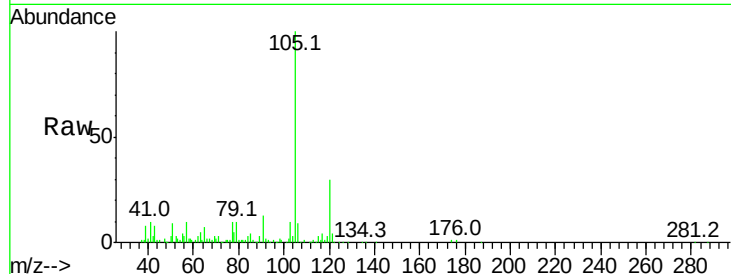
126 14.7 13.0 51.8





#72
 4-Ethyltoluene
 Concen: 0.47 ppbv
 RT: 15.86
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 SG-5
 Acq: 12 Jul 2022 17:18

Tgt Ion:	105	Resp:	229977
Ion Ratio	Lower	Upper	
105	100		
120	31.5	24.2	36.2
91	14.3	10.2	15.4
77	12.1	11.1	16.7

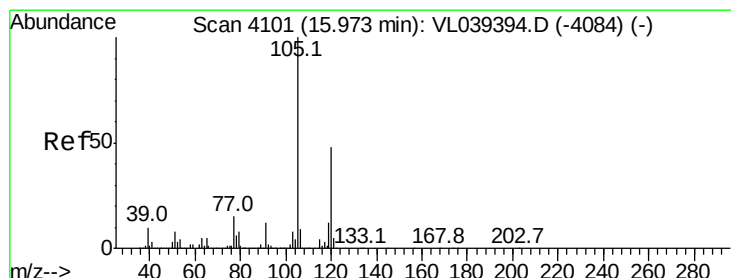
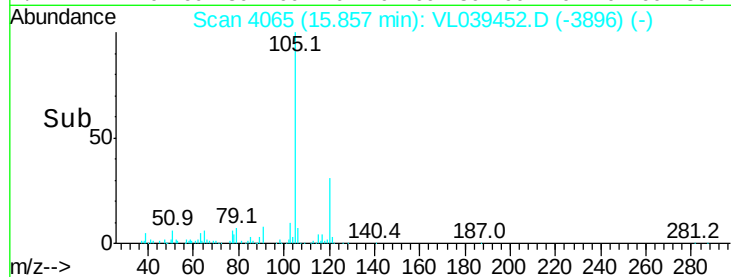
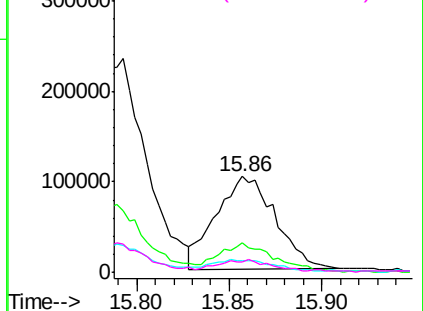


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

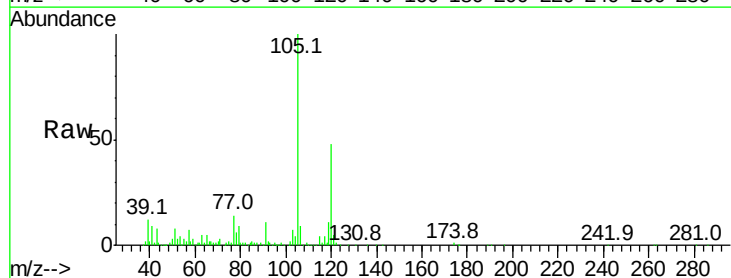
Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



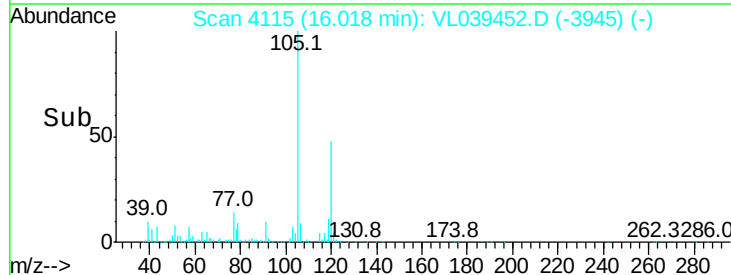
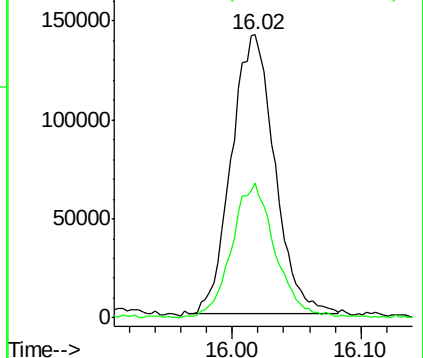
#73
 1,3,5-Trimethylbenzene
 Concen: 0.73 ppbv
 RT: 16.02 min Scan# 4115
 Delta R.T. 0.05 min
 Lab File: VL039452.D
 Acq: 12 Jul 2022 17:18

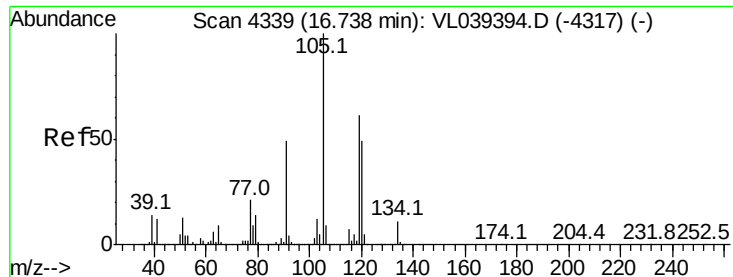
Tgt Ion:	105	Resp:	329602
Ion Ratio	Lower	Upper	
105	100		
120	47.8	38.2	57.4



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: 2.07 ppbv
 RT: 16.78
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 12 Jul 2022 17:18

Tgt Ion:	105	Resp:	1027063
Ion	Ratio	Lower	Upper
105	100		
120	41.8	39.5	59.3
91	12.2	39.2	58.8#
77	12.7	17.2	25.8#

