

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071222\
 Data File : VL039458.D
 Acq On : 12 Jul 2022 21:40
 Operator : SY/AP
 Sample : N3660-09 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2

Quant Time: Jul 13 01:39:23 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	5.68	49	1551640	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4221316	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.10	117	3896123	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2989213	10.34	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	99532	0.44	ppbv	95
3) Chlorodifluoromethane	3.00	51	22704	0.12	ppbv	100
4) Chloromethane	3.15	50	154669	1.44	ppbv	93
7) Chloroethane	3.57	64	2880	0.08	ppbv #	61
9) Propene	3.03	41	47418	0.53	ppbv	92
10) Heptane	8.14	43	127863	0.61	ppbv	94
11) Trichlorofluoromethane	3.96	101	26511	0.11	ppbv	90
13) Ethanol	3.61	45	191214	37.07	ppbv	72
15) Acetone	3.87	43	1256236	6.84	ppbv	90
16) 1,3-Butadiene	3.32	39	38624	0.41	ppbv #	23
17) tert-Butyl alcohol	4.31	59	82189	0.53	ppbv	97
19) Isopropyl Alcohol	3.98	45	107902	1.10	ppbv #	1
20) Methylene Chloride	4.37	84	1206819	16.49	ppbv	97
23) Vinyl Acetate	5.08	43	142506	1.16	ppbv #	94
25) Ethyl Acetate	5.71	43	1448670	3.85	ppbv #	77
26) Hexane	5.71	57	1996787	13.16	ppbv #	38
27) Carbon Disulfide	4.57	76	320298	1.75	ppbv	94
29) Chloroform	5.77	83	29811	0.11	ppbv	92
30) Cyclohexane	7.15	84	16995	0.12	ppbv #	1
34) 2-Butanone	5.26	43	217658	1.02	ppbv	93
36) Benzene	6.91	78	30130	0.09	ppbv #	84
38) Trichloroethene	7.85	130	15505	0.09	ppbv	98
39) 1,2-Dichloropropane	7.19	63	1023050	8.38	ppbv #	24
41) Tetrahydrofuran	5.71	42	730179	5.93	ppbv #	49
44) 2,2,4-Trimethylpentane	7.89	57	29890	0.05	ppbv #	1
51) 2-Hexanone	10.14	43	69222	0.28	ppbv #	97
52) Tetrachloroethene	11.24	164	2143837	16.30	ppbv	96
53) Toluene	9.82	91	1057869	2.81	ppbv	100
58) Ethyl Benzene	12.73	91	586060	1.16	ppbv	97
59) m/p-Xylene	12.98	91	1821316	4.11	ppbv	95
60) o-Xylene	13.71	91	672711	1.60	ppbv	99
62) Isopropylbenzene	14.68	105	60640	0.09	ppbv	94
64) n-propylbenzene	15.57	120	57110	0.35	ppbv	82
65) tert-Butylbenzene	16.77	119	90697	0.15	ppbv #	68
69) p-Isopropyltoluene	17.67	119	102757	0.15	ppbv	98
71) 2-Chlorotoluene	15.85	91	25064	0.05	ppbv	80
72) 4-Ethyltoluene	15.85	105	289195	0.59	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	267870	0.59	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	857354	1.71	ppbv #	68
79) Naphthalene	22.22	128	56769	0.16	ppbv #	94

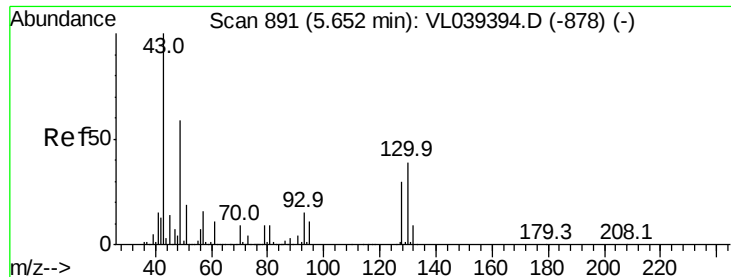
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071222\
Data File : VL039458.D
Acq On : 12 Jul 2022 21:40
Operator : SY/AP
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Quant Time: Jul 13 01:39:23 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD 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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SG-2

Acq: 12 Jul 2022 21:40

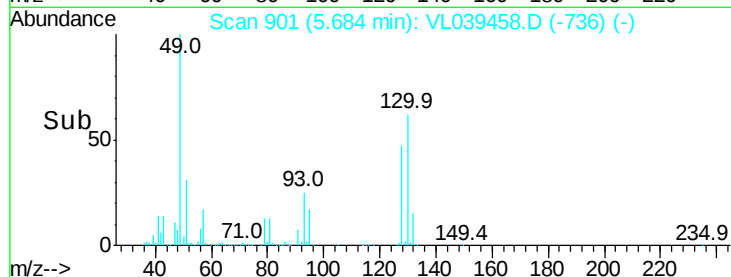
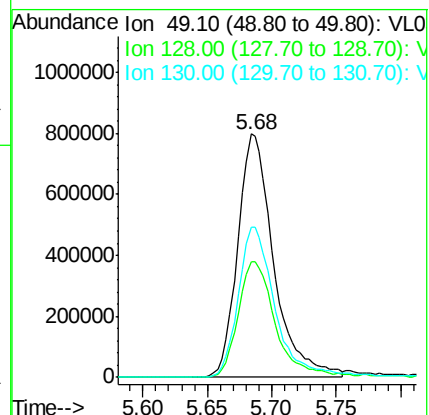
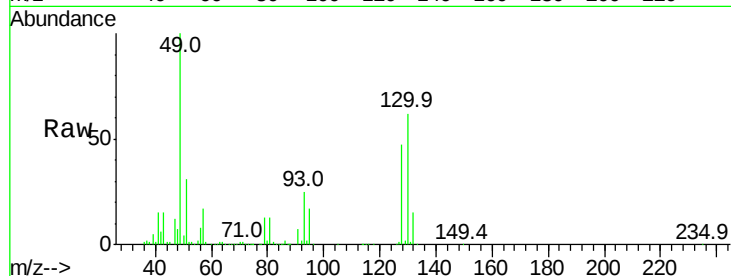
Tgt Ion: 49 Resp: 1551640

Ion Ratio Lower Upper

49 100

128 50.7 26.7 80.0

130 64.9 34.3 102.8



#2

Dichlorodifluoromethane

Concen: 0.44 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.02 min

Lab File: VL039458.D

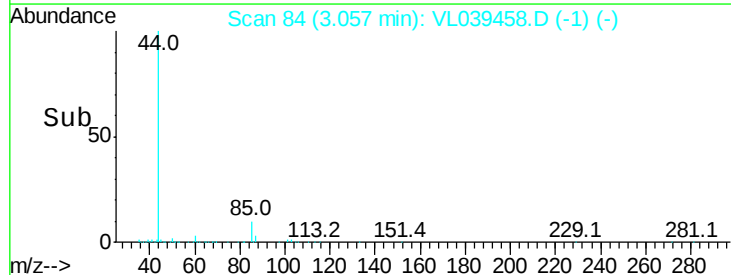
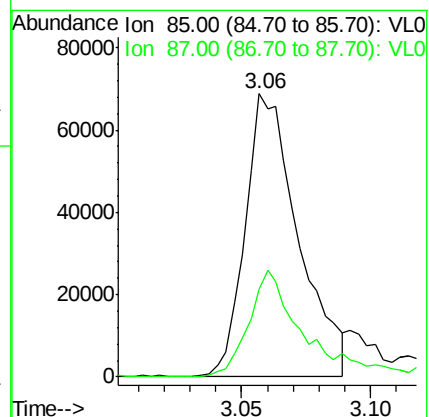
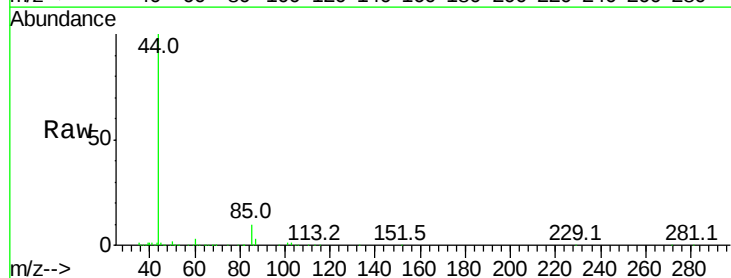
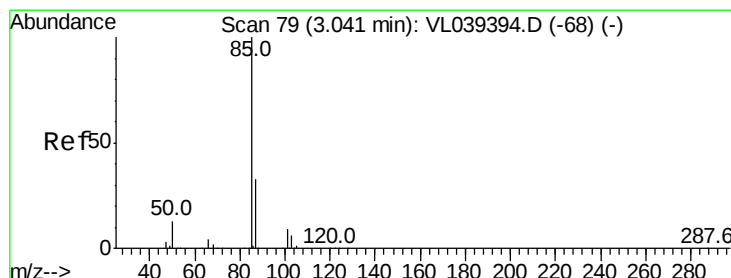
Acq: 12 Jul 2022 21:40

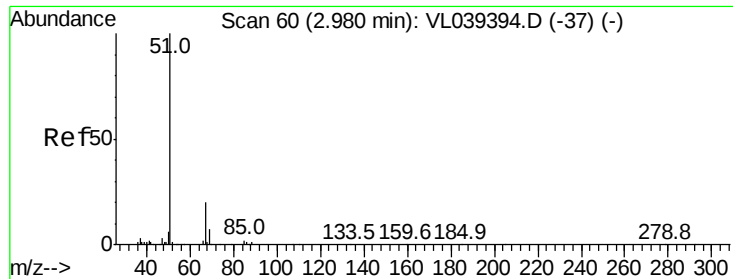
Tgt Ion: 85 Resp: 99532

Ion Ratio Lower Upper

85 100

87 30.7 26.7 40.1





#3

Chlorodifluoromethane

Concen: 0.12 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

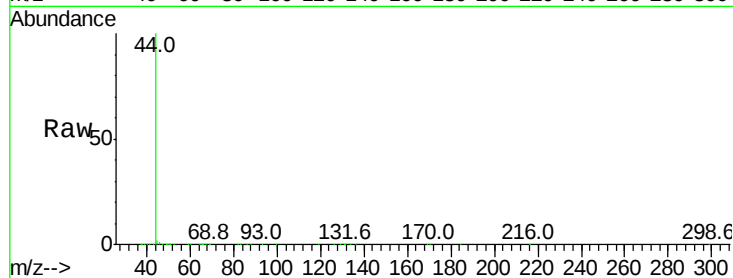
Acq: 12 Jul 2022 21:40 SG-2

Tgt Ion: 51 Resp: 22704

Ion Ratio Lower Upper

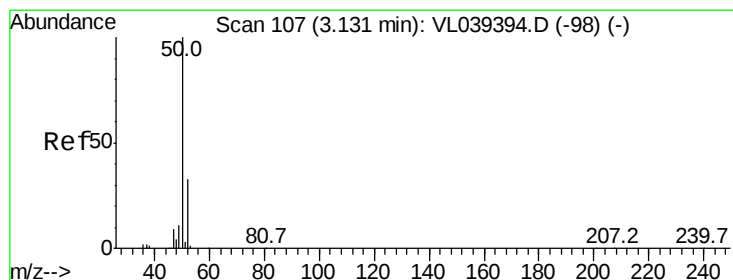
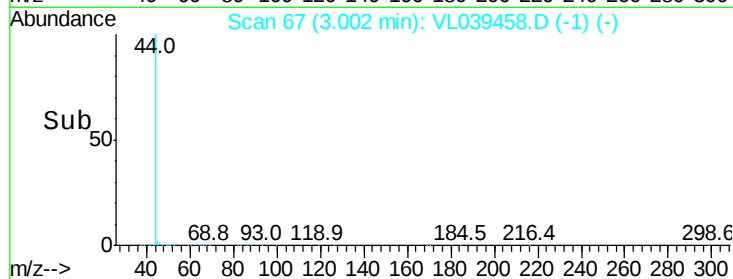
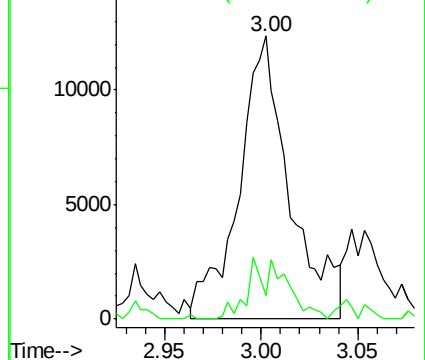
51 100

67 19.4 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.44 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.02 min

Lab File: VL039458.D

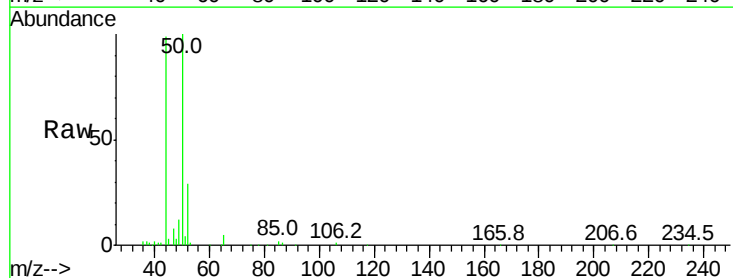
Acq: 12 Jul 2022 21:40

Tgt Ion: 50 Resp: 154669

Ion Ratio Lower Upper

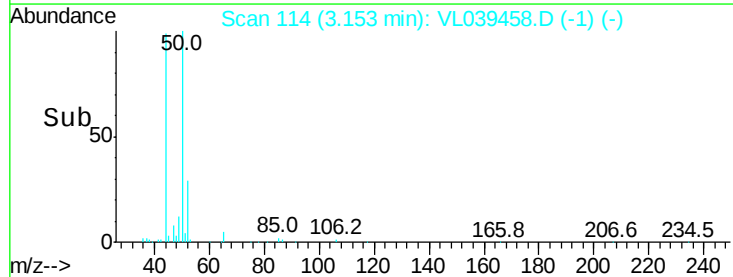
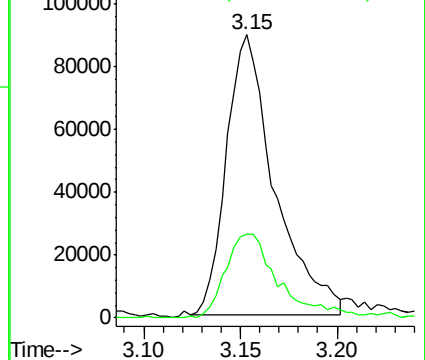
50 100

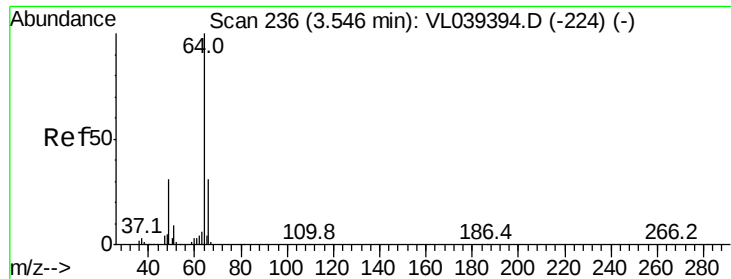
52 28.9 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.08 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

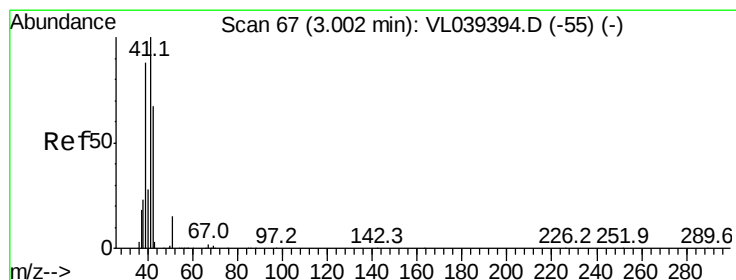
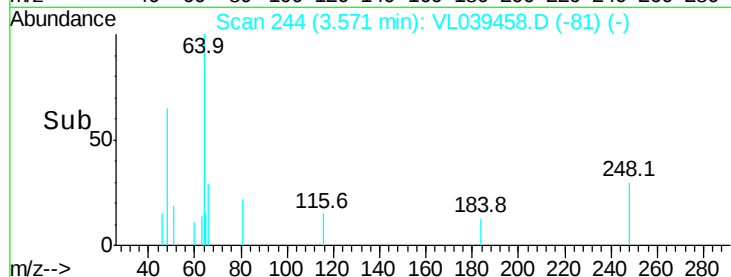
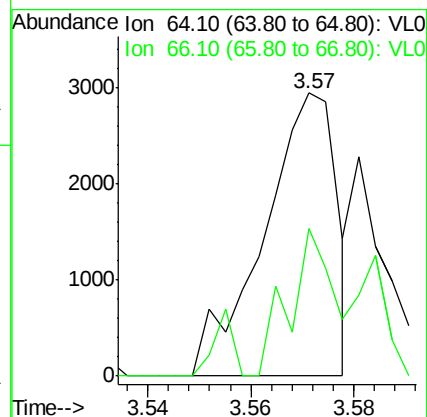
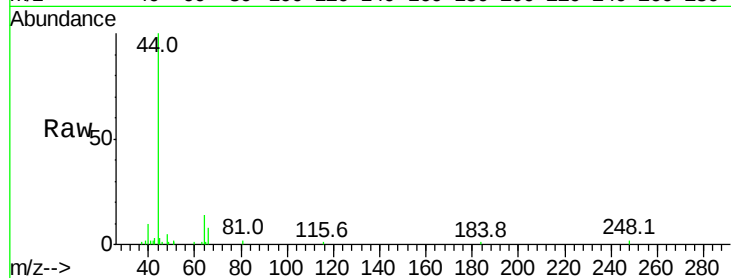
Acq: 12 Jul 2022 21:40 SG-2

Tgt Ion: 64 Resp: 2880

Ion Ratio Lower Upper

64 100

66 52.2 24.7 37.1#



#9

Propene

Concen: 0.53 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.03 min

Lab File: VL039458.D

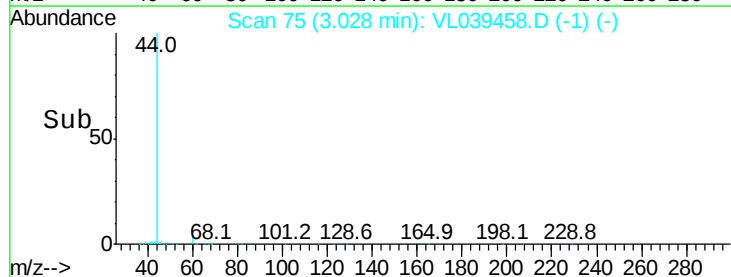
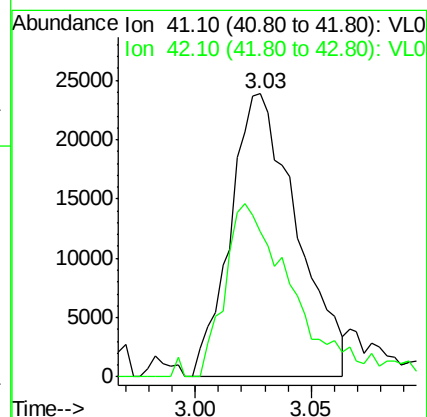
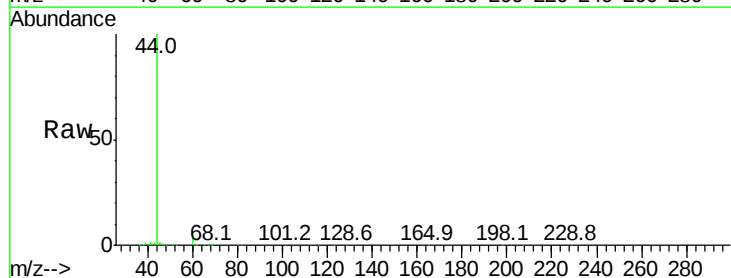
Acq: 12 Jul 2022 21:40

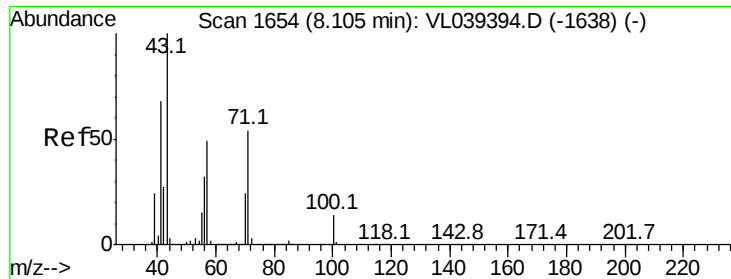
Tgt Ion: 41 Resp: 47418

Ion Ratio Lower Upper

41 100

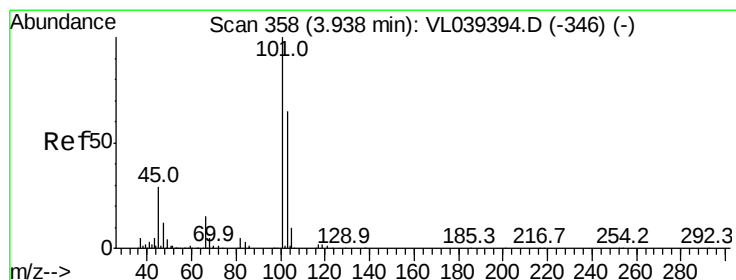
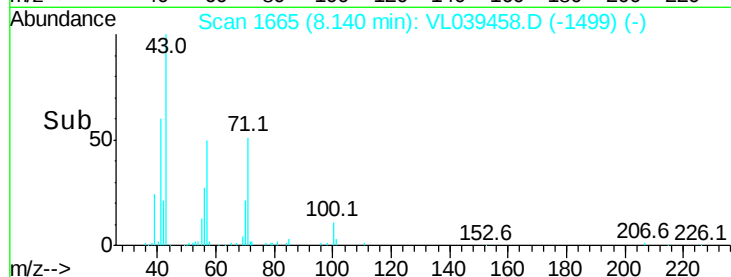
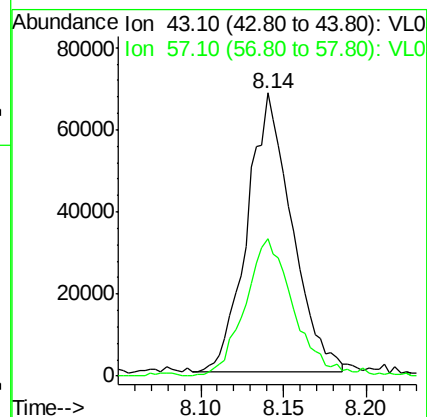
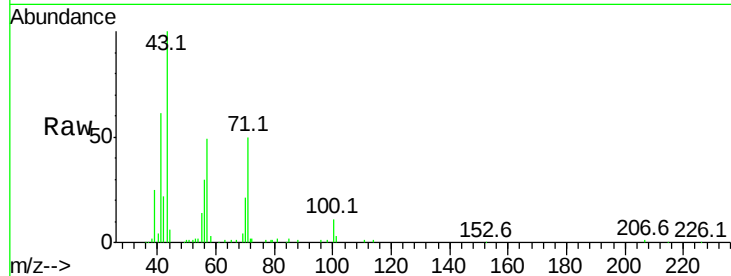
42 62.1 55.2 82.8





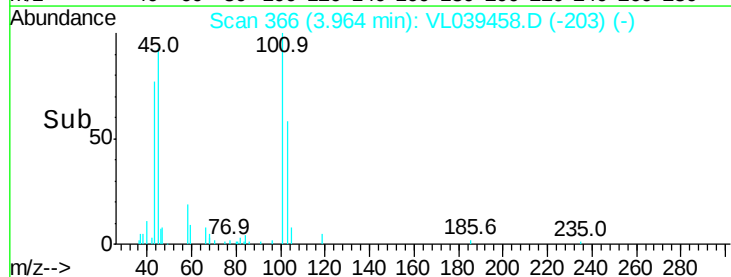
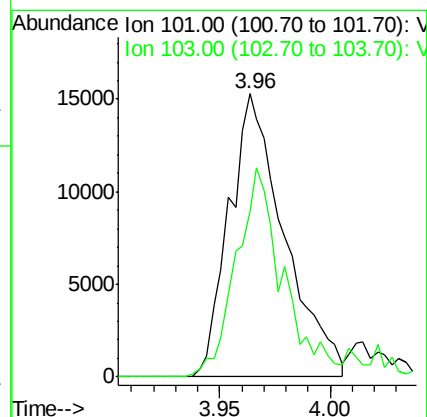
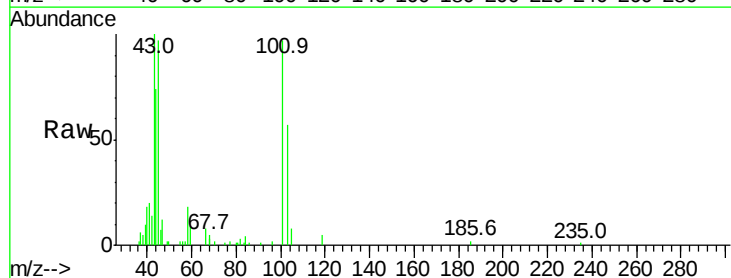
#10
 Heptane
 Concen: 0.61 ppbv
 RT: 8.14
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 SG-2
 Acq: 12 Jul 2022 21:40

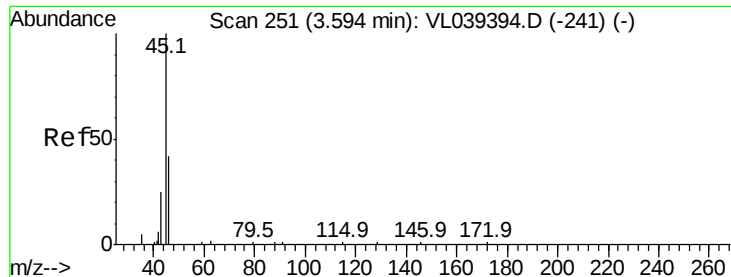
Tgt Ion: 43 Resp: 127863
 Ion Ratio Lower Upper
 43 100
 57 54.8 40.5 60.7



#11
 Trichlorofluoromethane
 Concen: 0.11 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T.: 0.03 min
 Lab File: VL039458.D
 Acq: 12 Jul 2022 21:40

Tgt Ion: 101 Resp: 26511
 Ion Ratio Lower Upper
 101 100
 103 57.1 51.8 77.8





#13

Ethanol

Concen: 37.07 ppbv

RT: 3.61 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

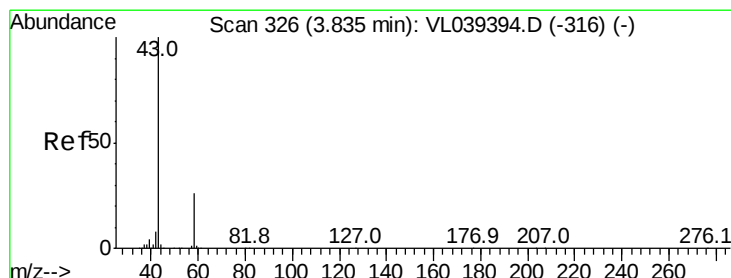
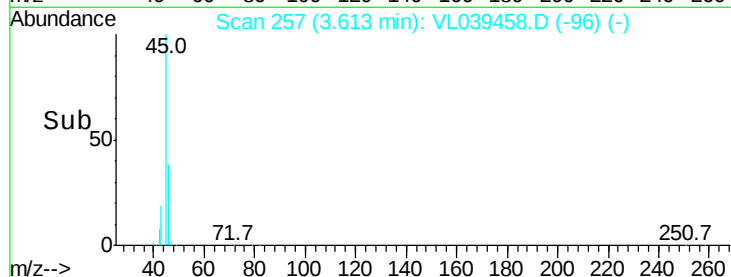
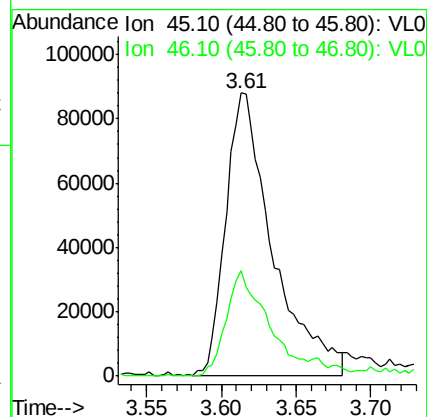
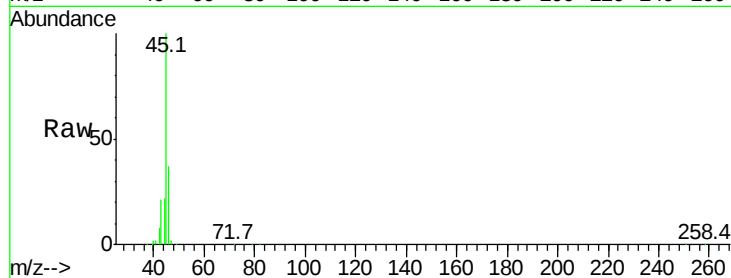
Acq: 12 Jul 2022 21:40 SG-2

Tgt Ion: 45 Resp: 191214

Ion Ratio Lower Upper

45 100

46 36.5 22.8 91.2



#15

Acetone

Concen: 6.84 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.03 min

Lab File: VL039458.D

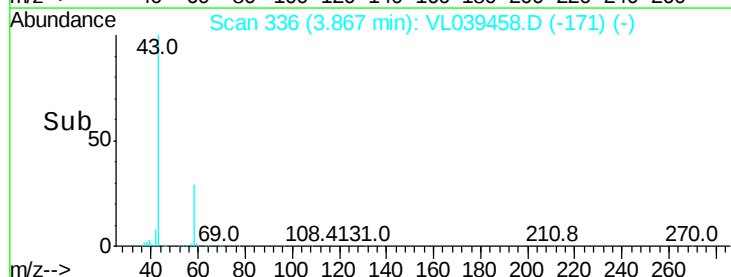
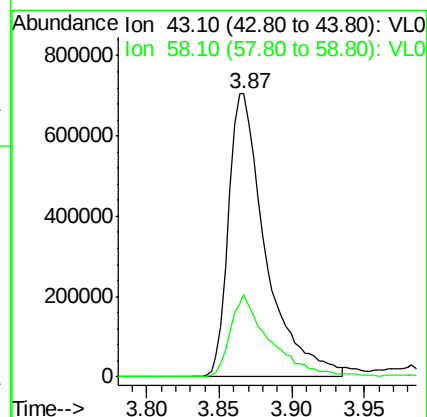
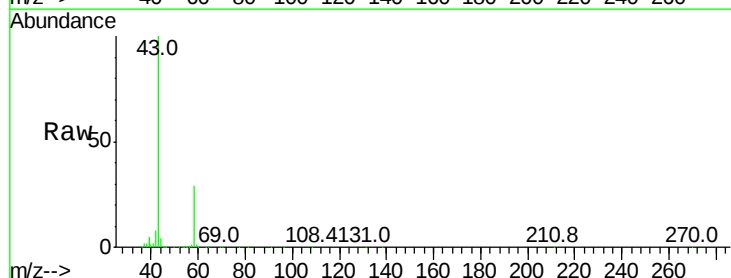
Acq: 12 Jul 2022 21:40

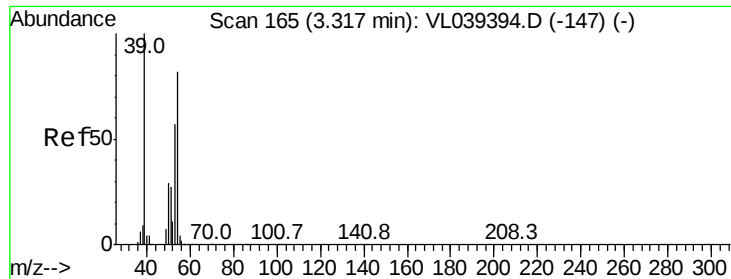
Tgt Ion: 43 Resp: 1256236

Ion Ratio Lower Upper

43 100

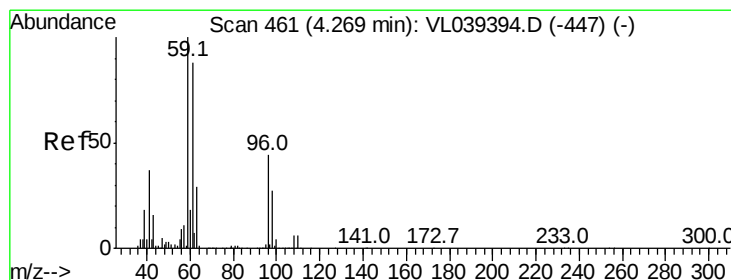
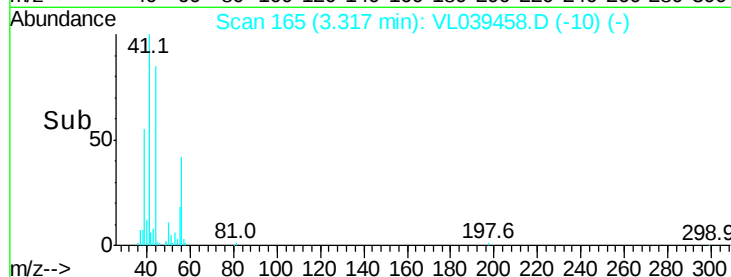
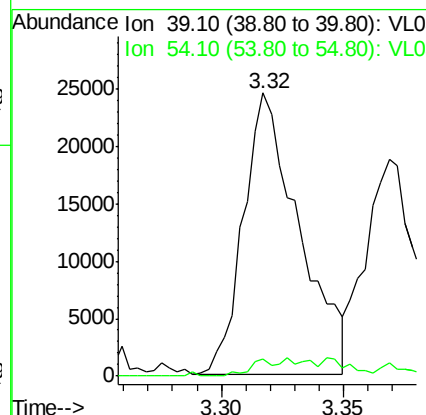
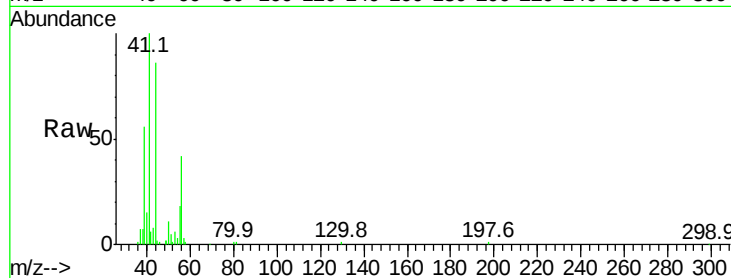
58 31.2 21.0 31.6





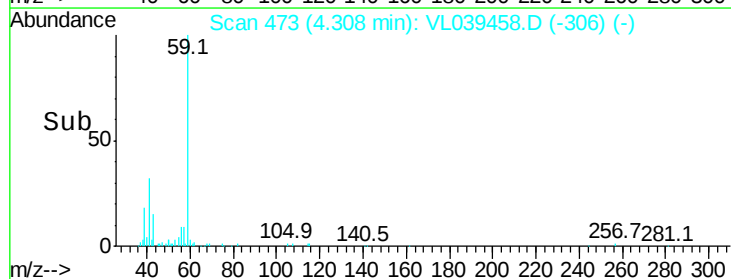
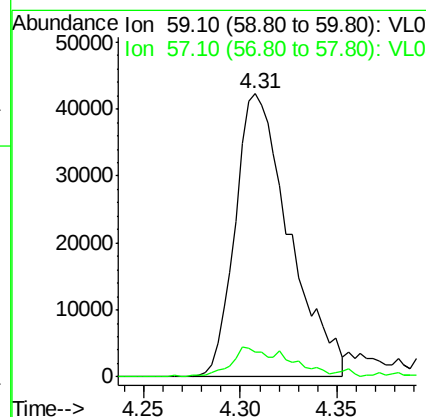
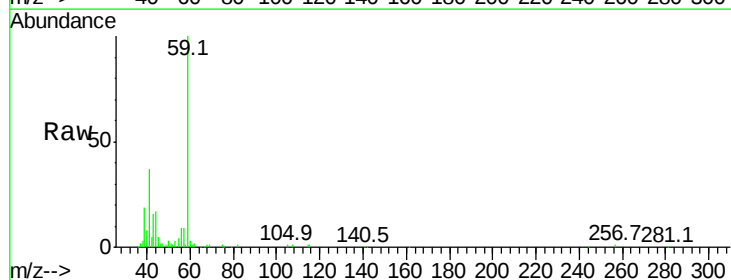
#16
 1,3-Butadiene
 Concen: 0.41 ppbv
 RT: 3.32
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 12 Jul 2022 21:40

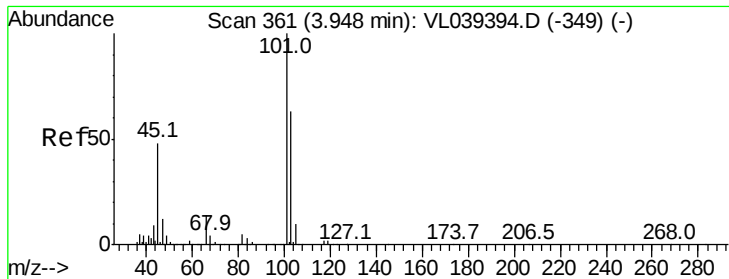
Tgt Ion: 39 Resp: 38624
 Ion Ratio Lower Upper
 39 100
 54 11.5 63.7 95.5#



#17
 tert-Butyl alcohol
 Concen: 0.53 ppbv
 RT: 4.31 min Scan# 473
 Delta R.T. 0.04 min
 Lab File: VL039458.D
 Acq: 12 Jul 2022 21:40

Tgt Ion: 59 Resp: 82189
 Ion Ratio Lower Upper
 59 100
 57 12.0 8.7 13.1





#19

Isopropyl Alcohol

Concen: 1.10 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

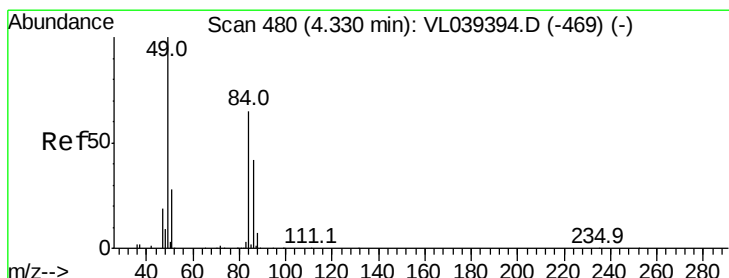
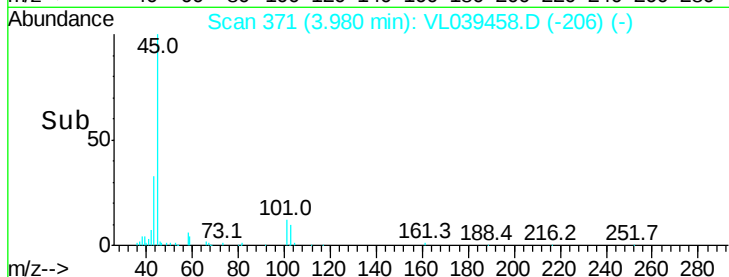
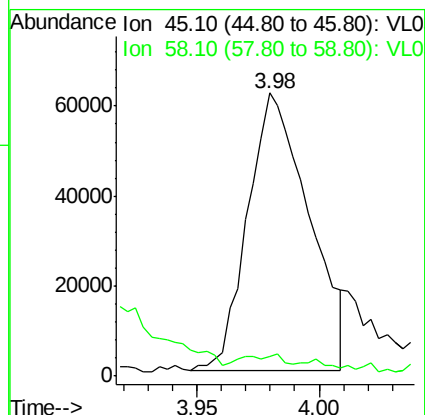
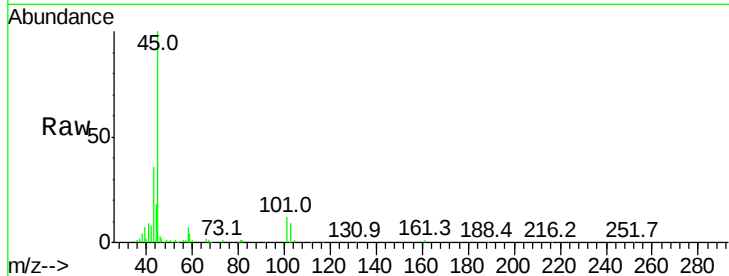
Acq: 12 Jul 2022 21:40 SG-2

Tgt Ion: 45 Resp: 107902

Ion Ratio Lower Upper

45 100

58 362.9 3.2 4.8#



#20

Methylene Chloride

Concen: 16.49 ppbv

RT: 4.37 min Scan# 491

Delta R.T. 0.04 min

Lab File: VL039458.D

Acq: 12 Jul 2022 21:40

Tgt Ion: 84 Resp: 1206819

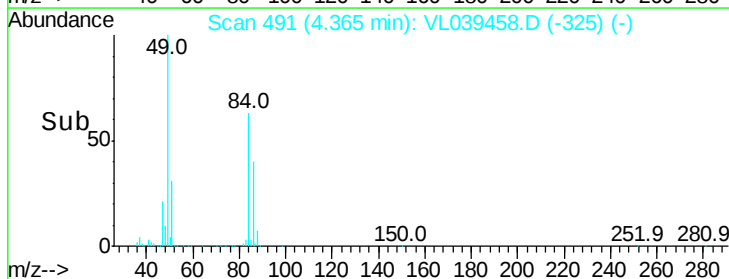
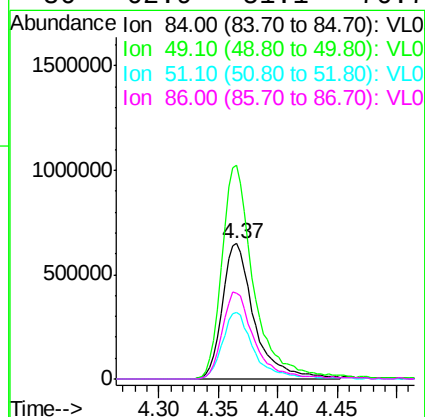
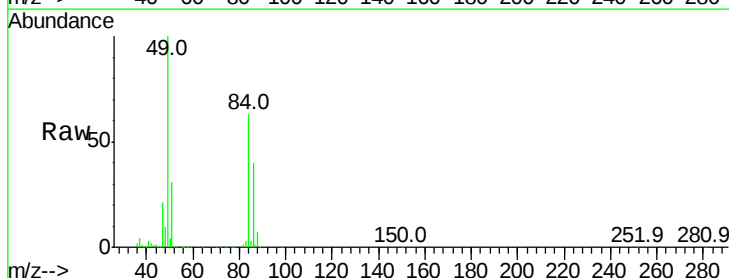
Ion Ratio Lower Upper

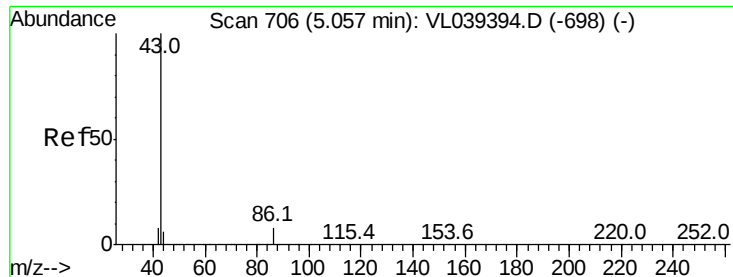
84 100

49 157.4 123.1 184.7

51 48.9 34.4 51.6

86 62.9 51.1 76.7





#23

Vinyl Acetate

Concen: 1.16 ppbv

RT: 5.08 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 12 Jul 2022 21:40 SG-2

Tgt Ion: 43 Resp: 142506

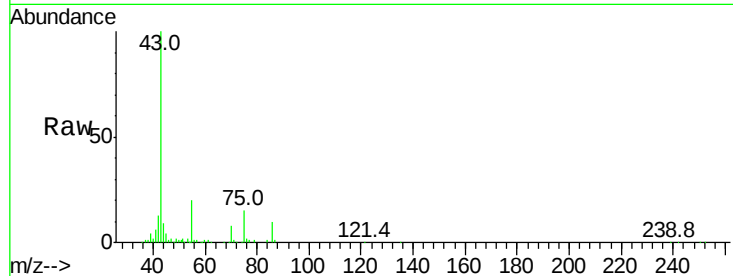
Ion Ratio Lower Upper

43 100

86 9.7 5.0 7.6#

42 11.3 7.7 11.5

44 4.1 4.6 7.0#

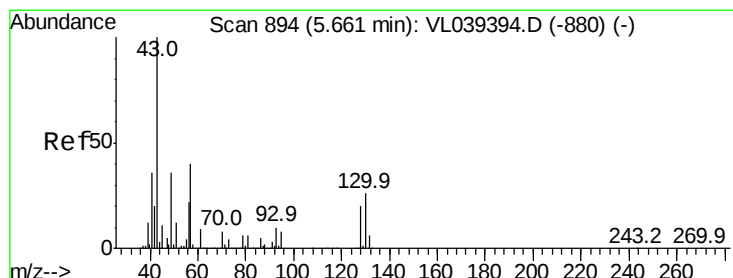
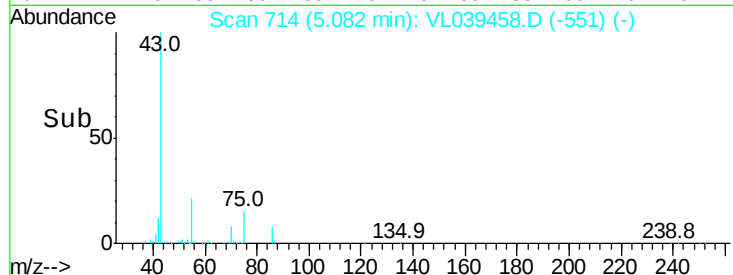
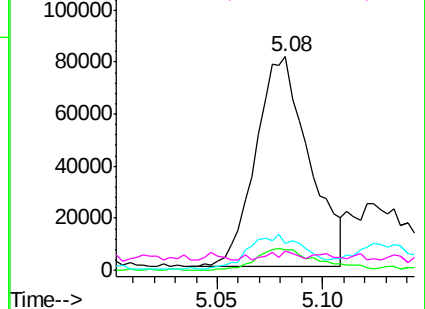


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 3.85 ppbv

RT: 5.71 min Scan# 908

Delta R.T. 0.04 min

Lab File: VL039458.D

Acq: 12 Jul 2022 21:40

Tgt Ion: 43 Resp: 1448670

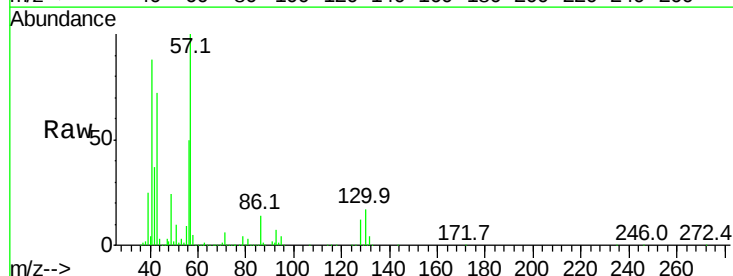
Ion Ratio Lower Upper

43 100

45 0.8 8.2 12.4#

61 0.7 8.3 12.5#

70 1.8 5.9 8.9#

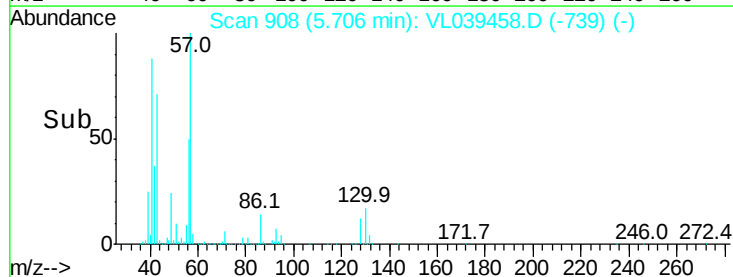
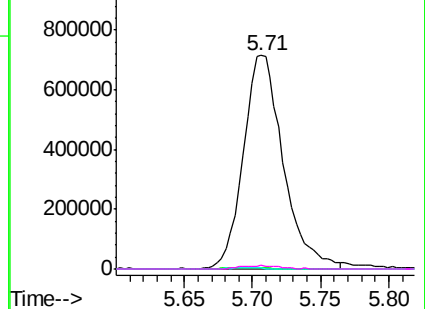


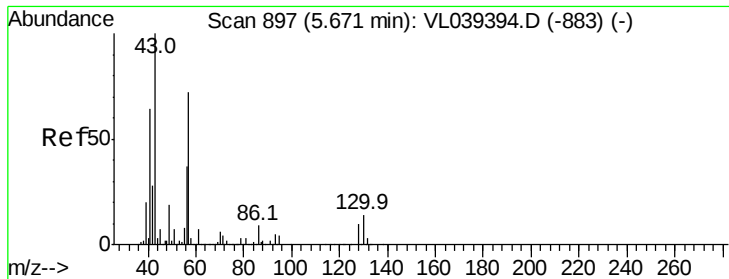
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

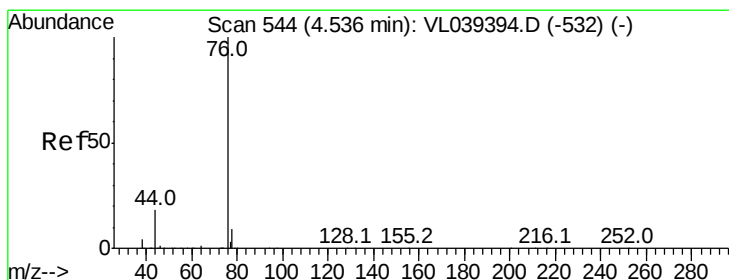
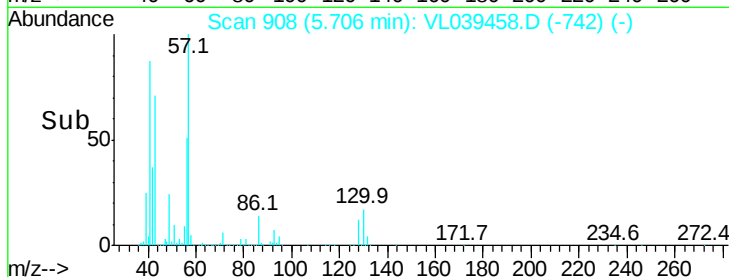
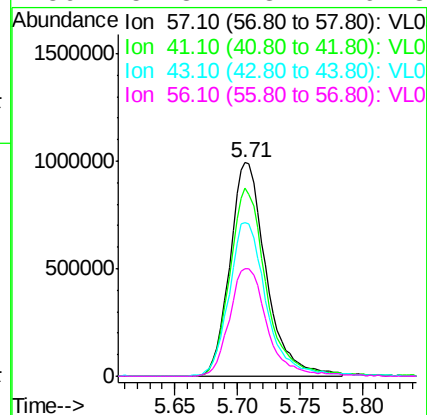
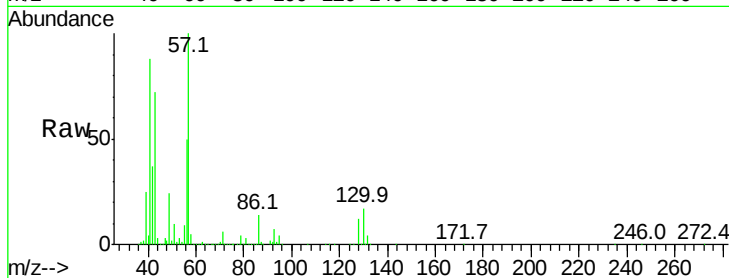




#26
Hexane
Concen: 13.16 ppbv
RT: 5.71
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Jul 2022 21:40

Tgt Ion: 57 Resp: 1996787

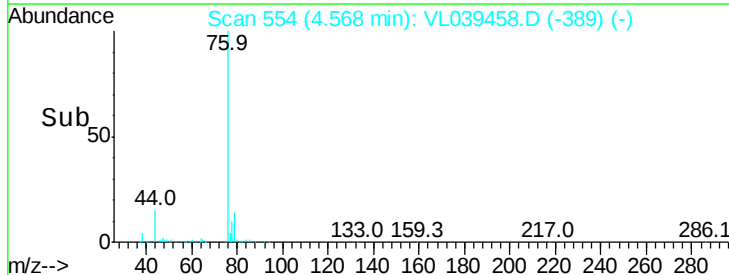
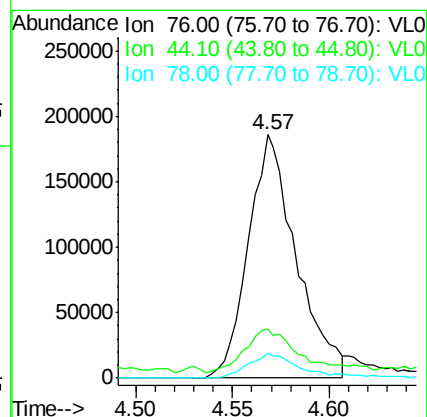
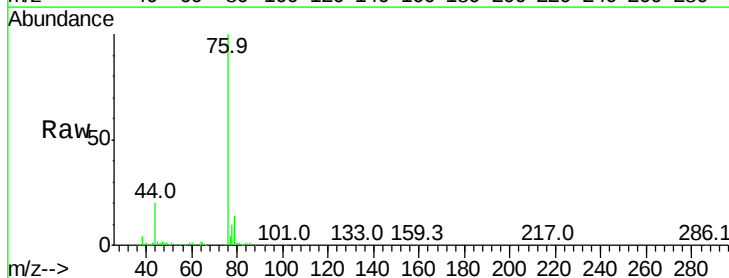
Ion	Ratio	Lower	Upper
57	100		
41	89.1	76.9	115.3
43	74.3	191.0	286.6#
56	52.8	43.2	64.8

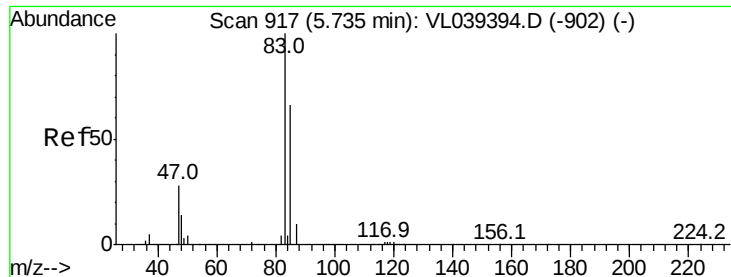


#27
Carbon Disulfide
Concen: 1.75 ppbv
RT: 4.57 min Scan# 554
Delta R.T. 0.03 min
Lab File: VL039458.D
Acq: 12 Jul 2022 21:40

Tgt Ion: 76 Resp: 320298

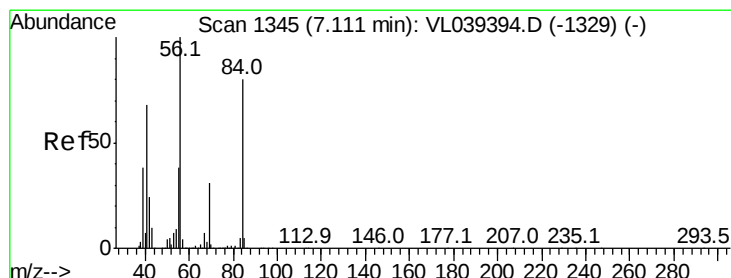
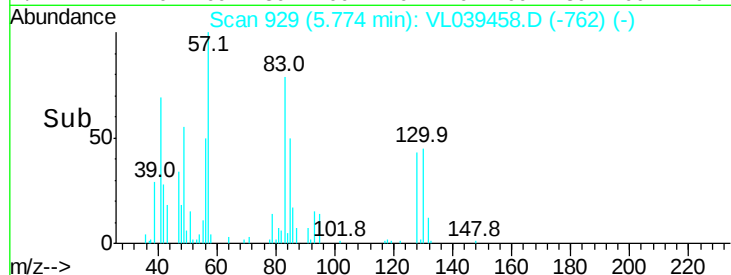
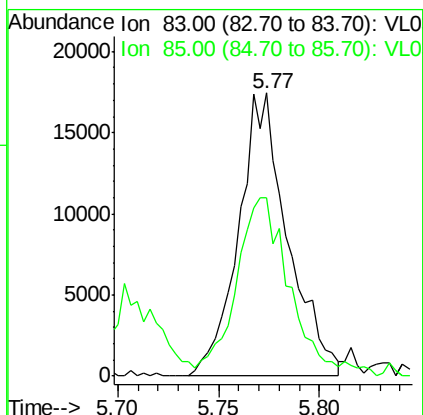
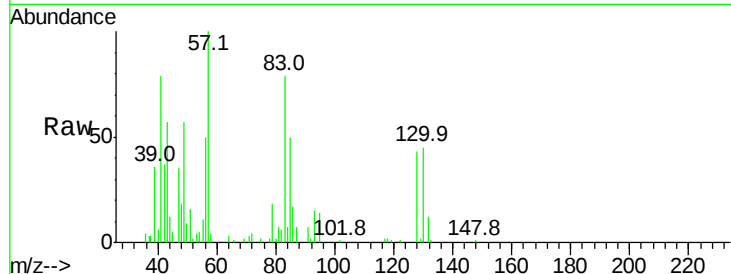
Ion	Ratio	Lower	Upper
76	100		
44	21.0	14.6	21.8
78	11.4	7.8	11.6





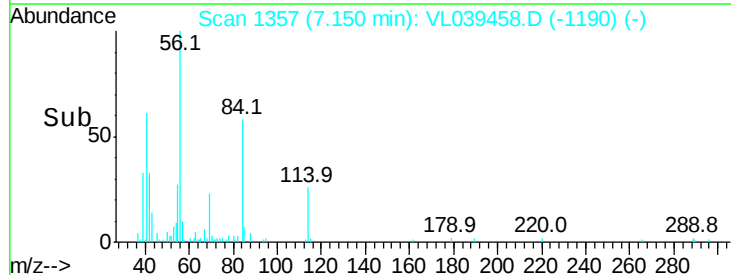
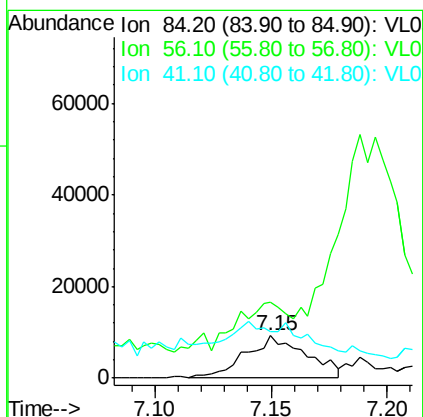
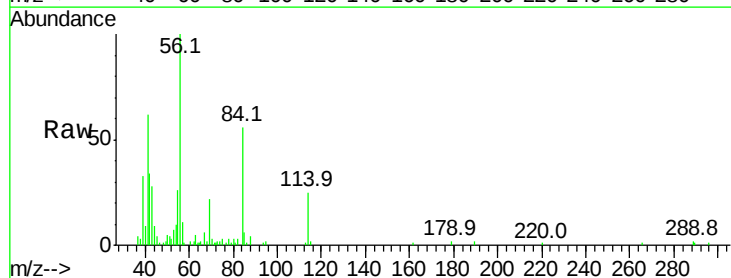
#29
Chloroform
Concen: 0.11 ppbv
RT: 5.77
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Jul 2022 21:40

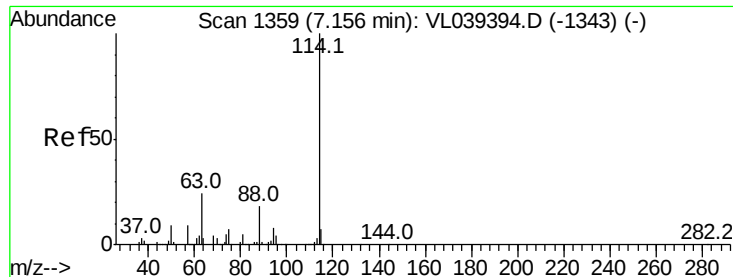
Tgt Ion: 83 Resp: 29811
Ion Ratio Lower Upper
83 100
85 59.5 52.8 79.2



#30
Cyclohexane
Concen: 0.12 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.04 min
Lab File: VL039458.D
Acq: 12 Jul 2022 21:40

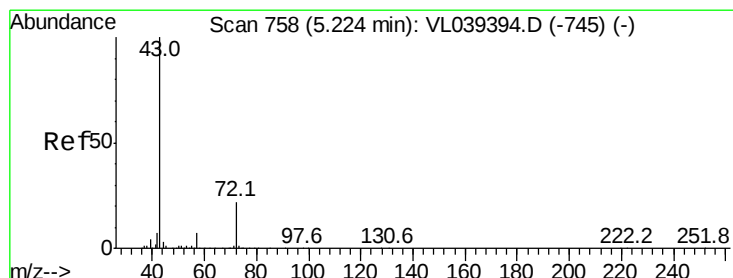
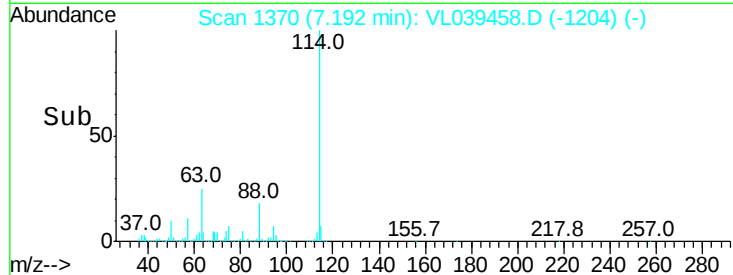
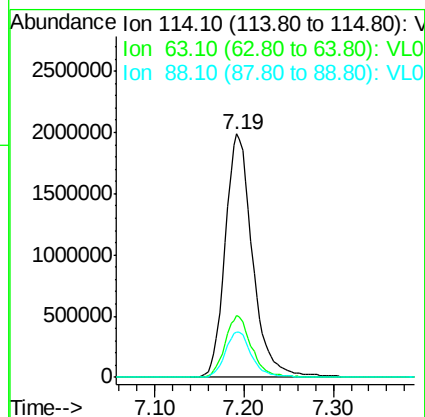
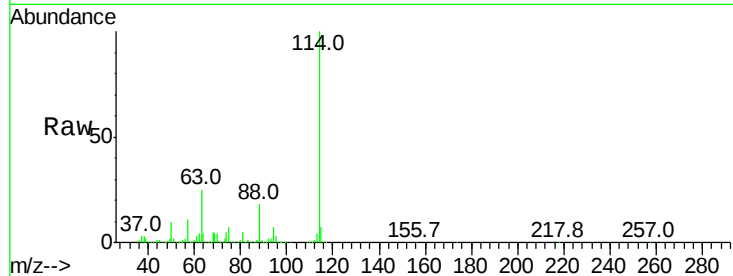
Tgt Ion: 84 Resp: 16995
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 0.0 67.7 101.5#





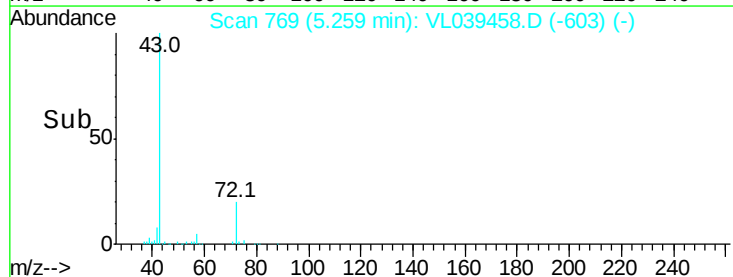
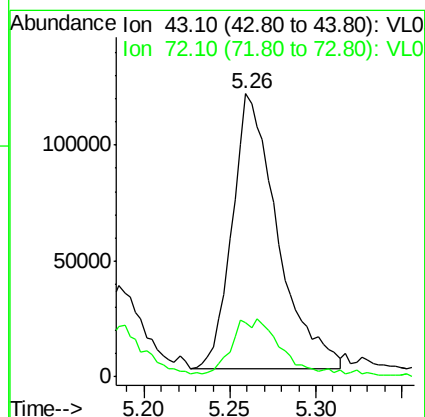
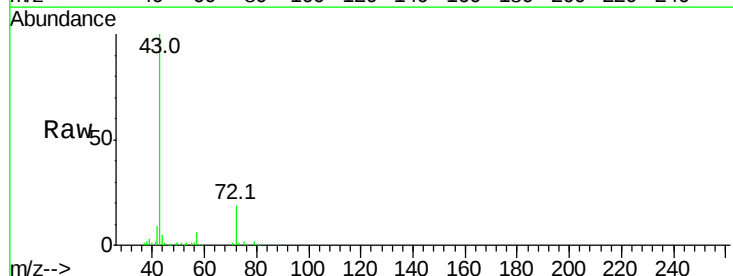
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.19
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 12 Jul 2022 21:40

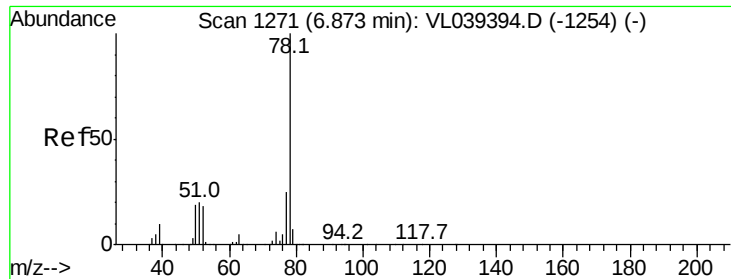
Tgt Ion:	114	Resp:	4221316
Ion	Ratio	Lower	Upper
114	100		
63	24.6	20.2	30.4
88	18.1	14.5	21.7



#34
 2-Butanone
 Concen: 1.02 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.04 min
 Lab File: VL039458.D
 Acq: 12 Jul 2022 21:40

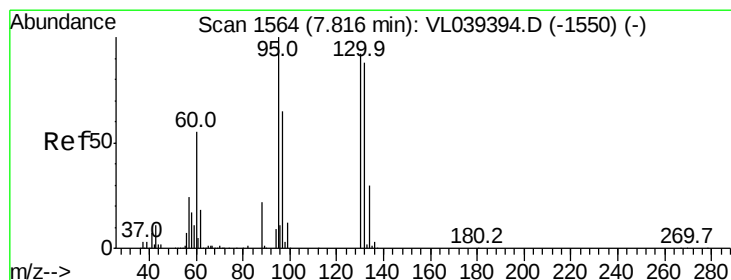
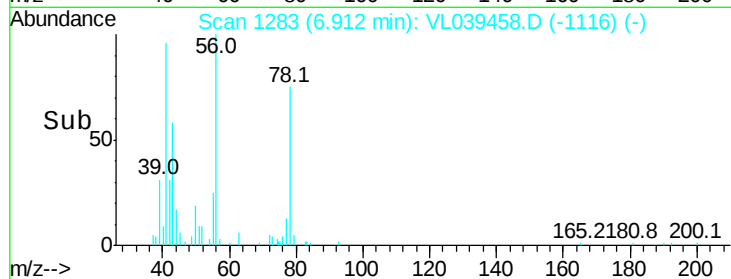
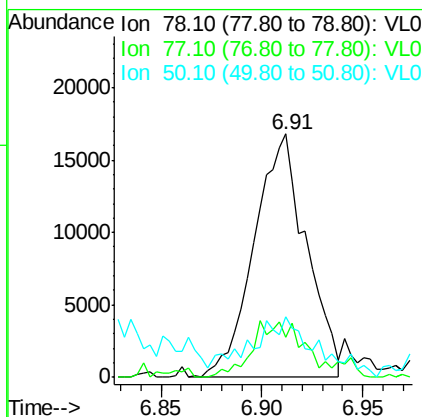
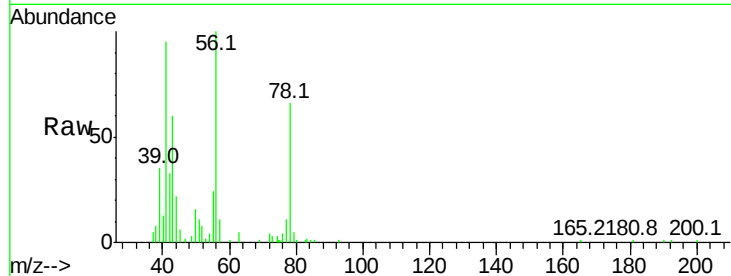
Tgt Ion:	43	Resp:	217658
Ion	Ratio	Lower	Upper
43	100		
72	25.8	17.9	26.9





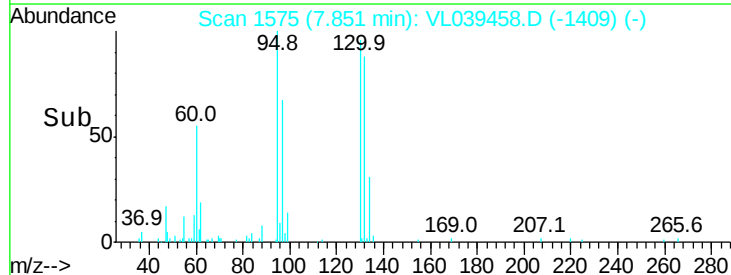
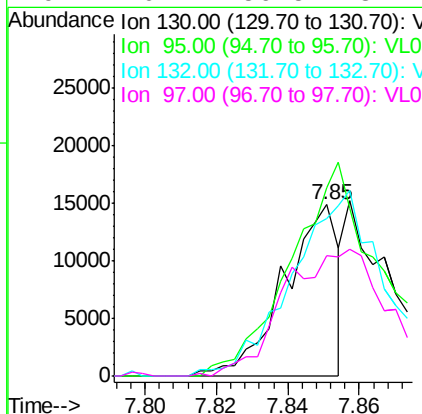
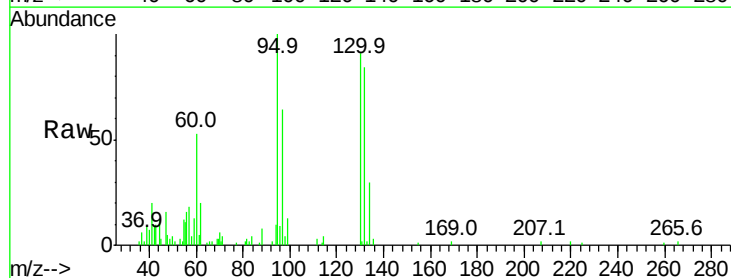
#36
Benzene
Concen: 0.09 ppbv
RT: 6.91
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 12 Jul 2022 21:40

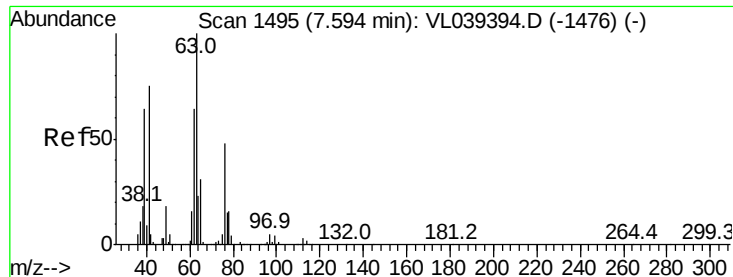
Tgt Ion: 78 Resp: 30130
Ion Ratio Lower Upper
78 100
77 12.6 20.3 30.5#
50 18.2 15.5 23.3



#38
Trichloroethene
Concen: 0.09 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.04 min
Lab File: VL039458.D
Acq: 12 Jul 2022 21:40

Tgt Ion:130 Resp: 15505
Ion Ratio Lower Upper
130 100
95 109.8 87.3 130.9
132 92.0 76.7 115.1
97 70.4 56.5 84.7





#39

1,2-Dichloropropane

Concen: 8.38 ppbv

RT: 7.19

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 12 Jul 2022 21:40

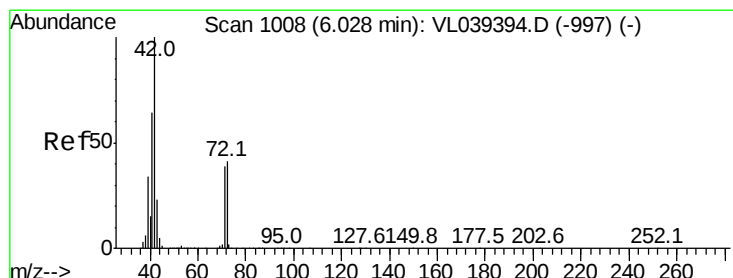
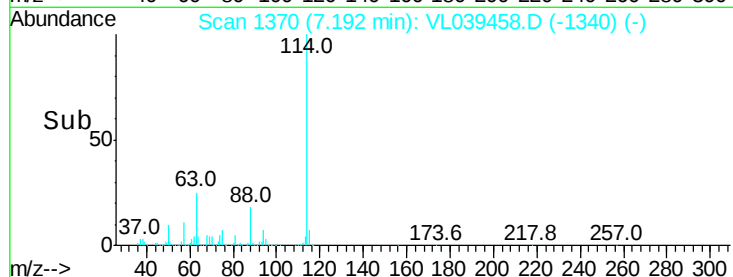
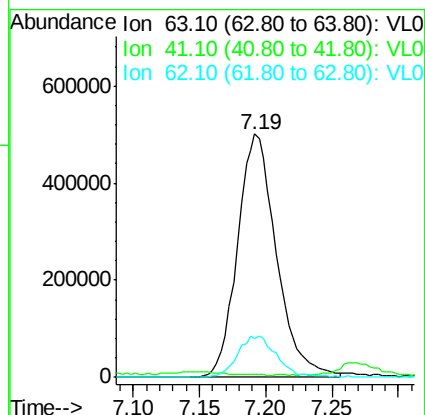
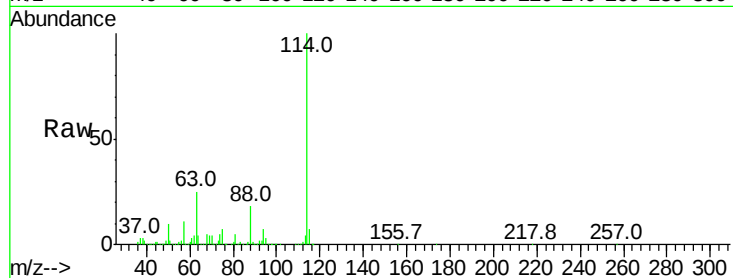
Tgt Ion: 63 Resp: 1023050

Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 15.8 51.4 77.0#



#41

Tetrahydrofuran

Concen: 5.93 ppbv

RT: 5.71 min Scan# 908

Delta R.T. -0.32 min

Lab File: VL039458.D

Acq: 12 Jul 2022 21:40

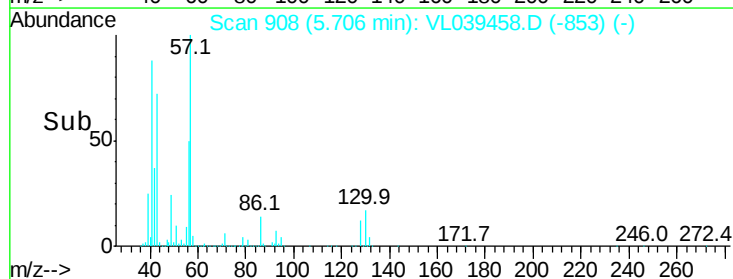
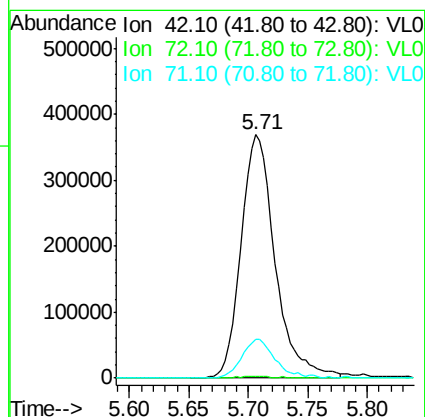
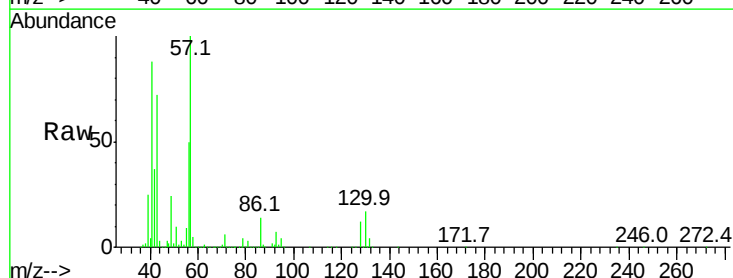
Tgt Ion: 42 Resp: 730179

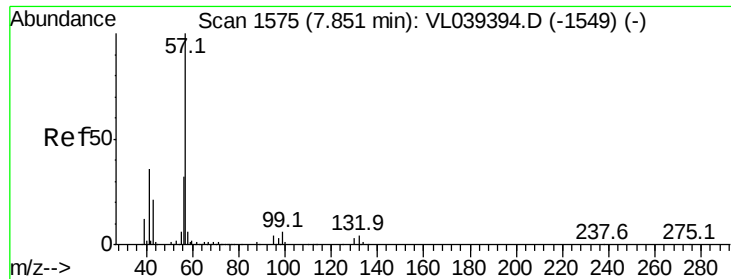
Ion Ratio Lower Upper

42 100

72 1.0 31.8 47.8#

71 16.0 31.8 47.8#





#44

2,2,4-Trimethylpentane

Concen: 0.05 ppbv

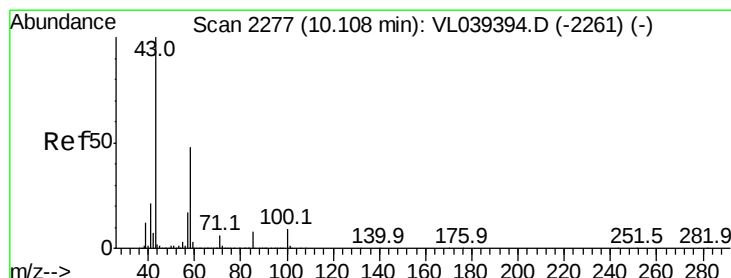
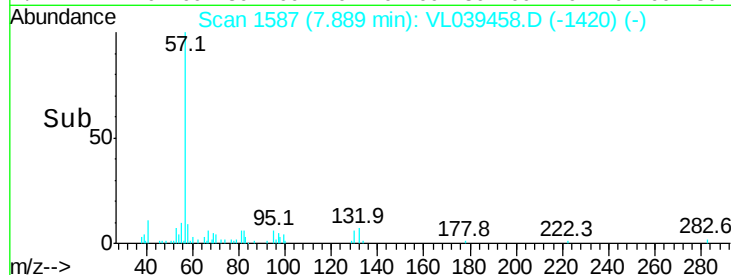
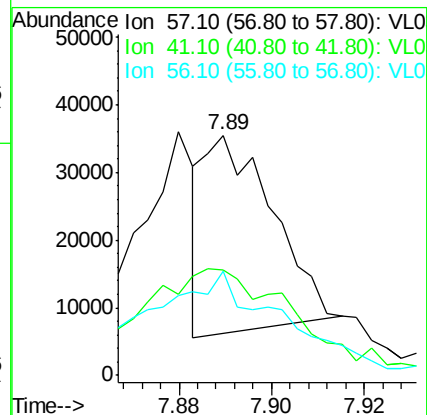
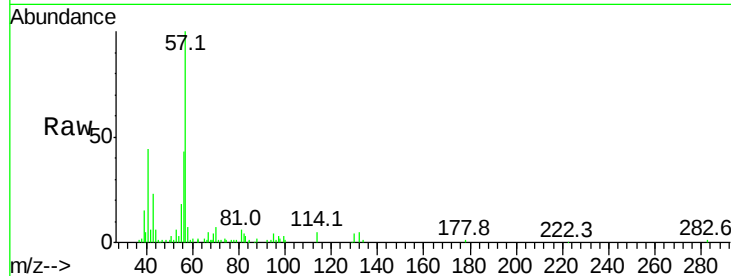
RT: 7.89 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 12 Jul 2022 21:40 SG-2

Tgt Ion:	57	Resp:	29890
Ion	Ratio	Lower	Upper
57	100		
41	121.8	27.4	41.2#
56	107.5	24.5	36.7#



#51

2-Hexanone

Concen: 0.28 ppbv

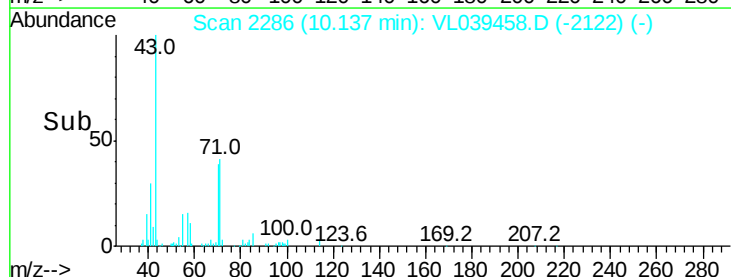
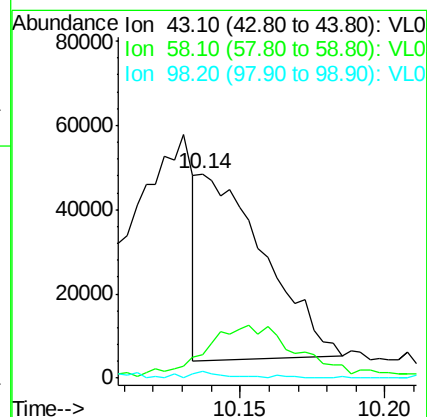
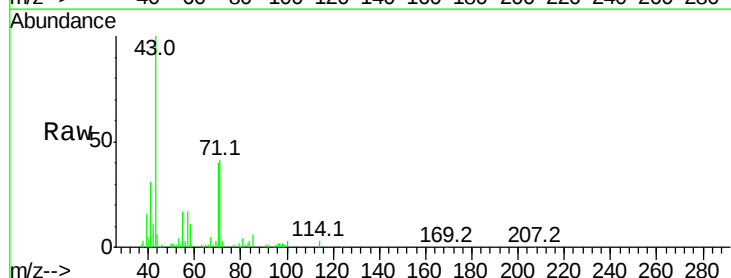
RT: 10.14 min Scan# 2286

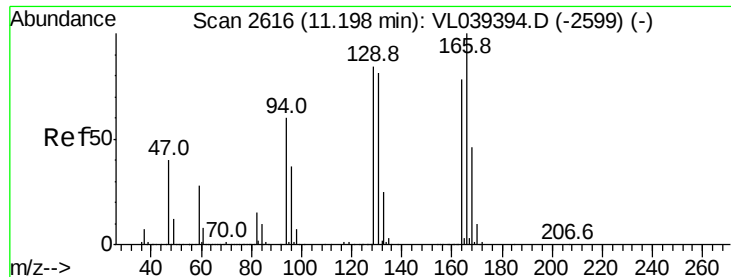
Delta R.T. 0.03 min

Lab File: VL039458.D

Acq: 12 Jul 2022 21:40

Tgt Ion:	43	Resp:	69222
Ion	Ratio	Lower	Upper
43	100		
58	45.9	38.4	57.6
98	2.7	0.3	0.5#





#52

Tetrachloroethene

Concen: 16.30 ppbv

RT: 11.24

Delta R.T. MSVOA_1

Lab File:

ClientSampleId : SG-2

Acq: 12 Jul 2022 21:40

Tgt Ion:164 Resp: 2143837

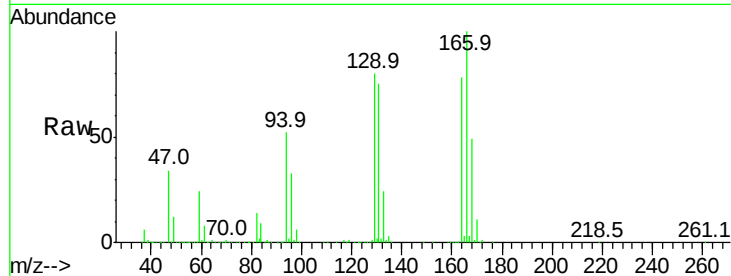
Ion Ratio Lower Upper

164 100

166 128.3 102.2 153.2

129 102.4 85.8 128.8

131 96.4 83.3 124.9

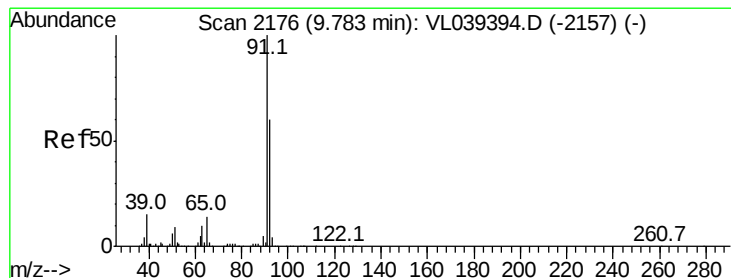
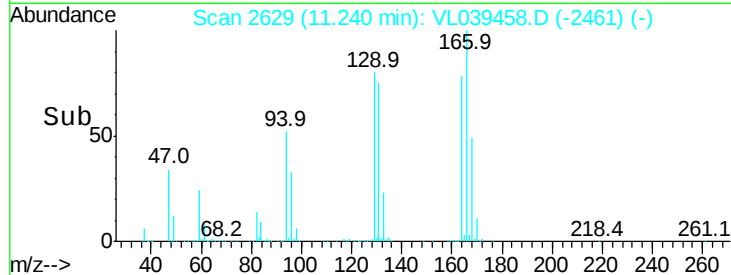
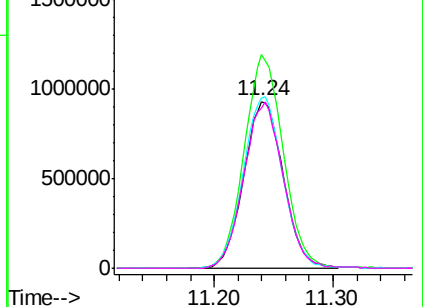


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 2.81 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.04 min

Lab File: VL039458.D

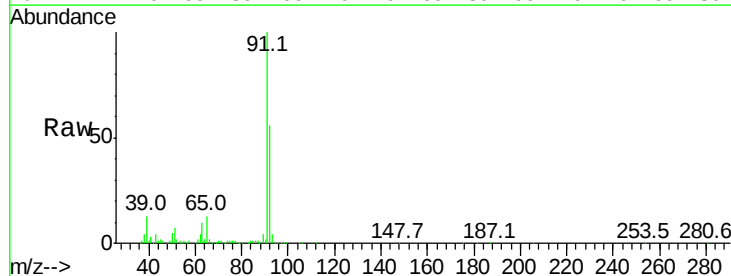
Acq: 12 Jul 2022 21:40

Tgt Ion: 91 Resp: 1057869

Ion Ratio Lower Upper

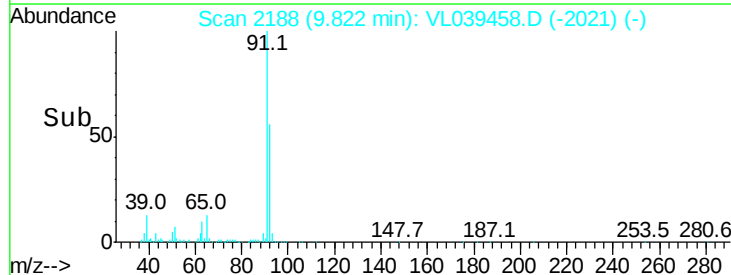
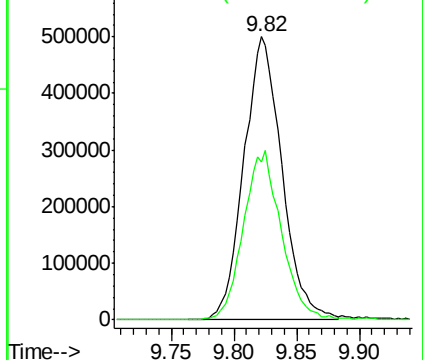
91 100

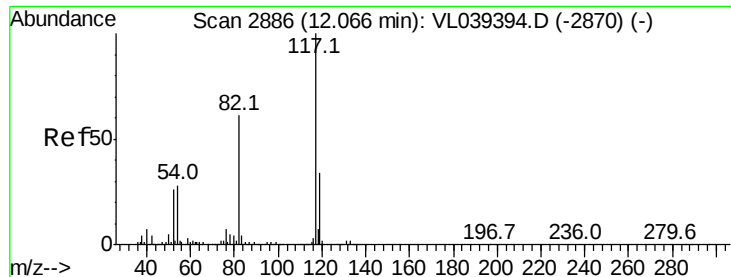
92 59.9 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

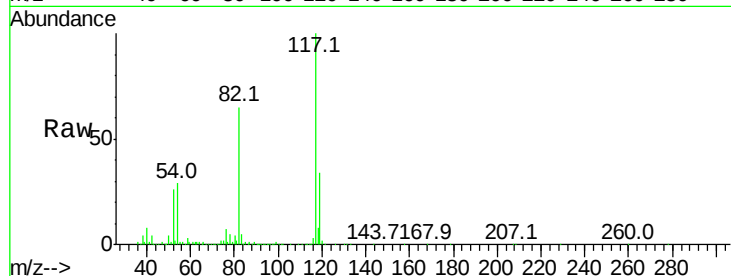




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 12 Jul 2022 21:40

Tgt Ion: 117 Resp: 3896123

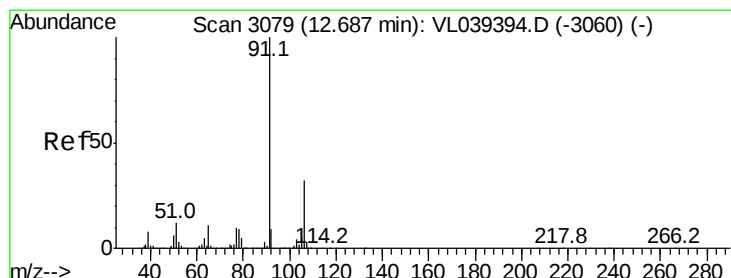
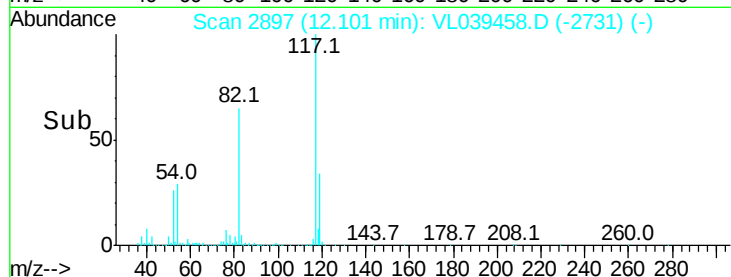
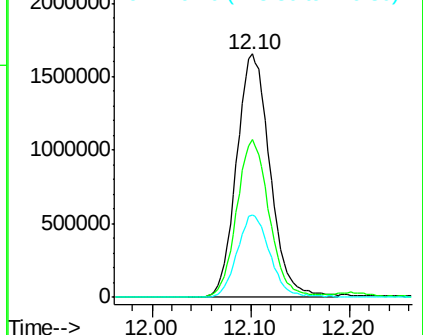
Ion	Ratio	Lower	Upper
117	100		
82	63.4	50.8	76.2
119	33.5	24.1	36.1



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

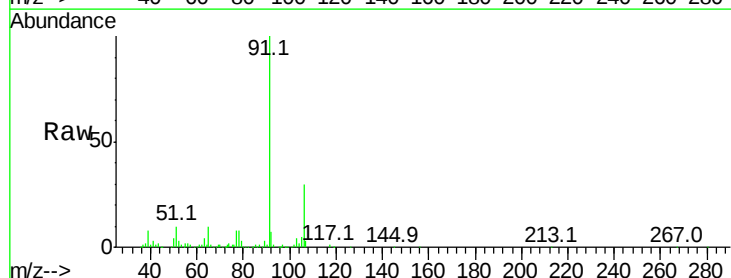
Ion 119.10 (118.80 to 119.80): V



#58
Ethyl Benzene
Concen: 1.16 ppbv
RT: 12.73 min Scan# 3092
Delta R.T.: 0.04 min
Lab File: VL039458.D
Acq: 12 Jul 2022 21:40

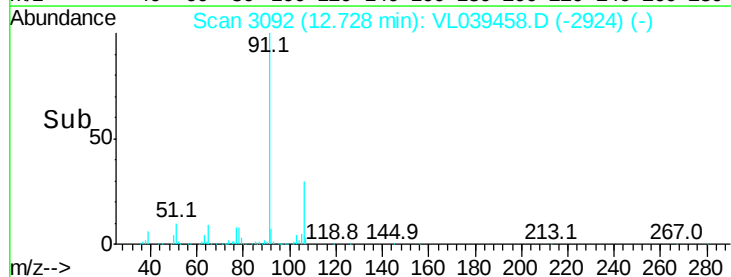
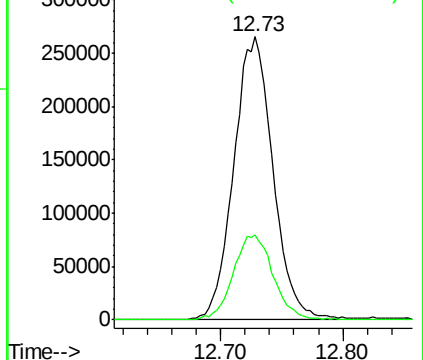
Tgt Ion: 91 Resp: 586060

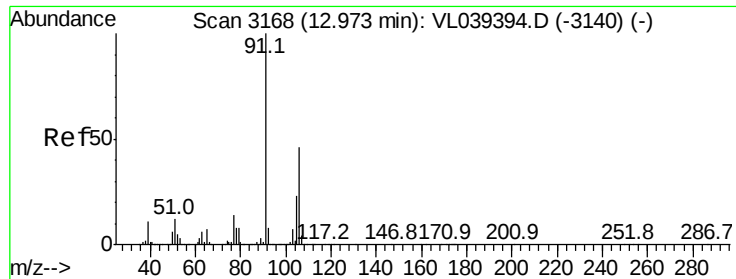
Ion	Ratio	Lower	Upper
91	100		
106	30.0	25.4	38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

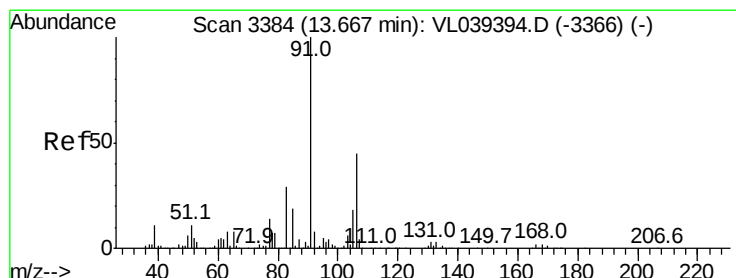
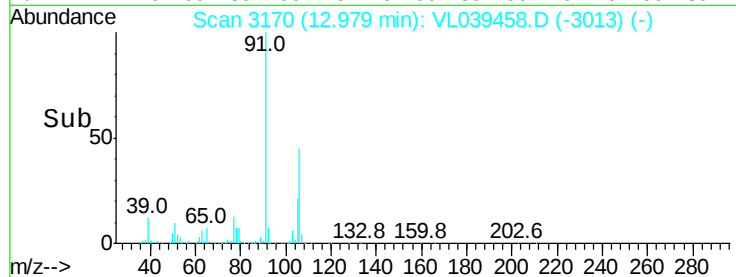
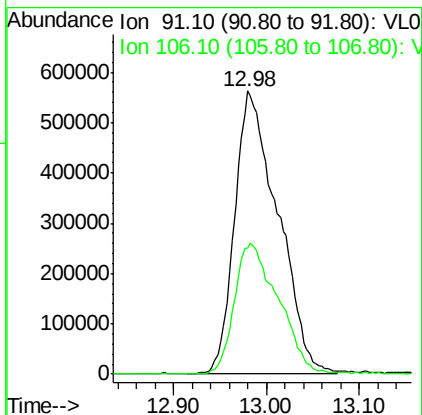
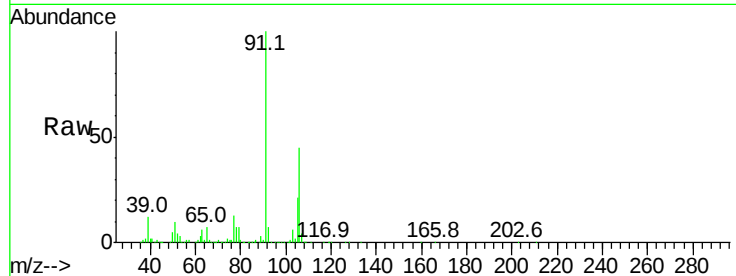
Ion 106.10 (105.80 to 106.80): V





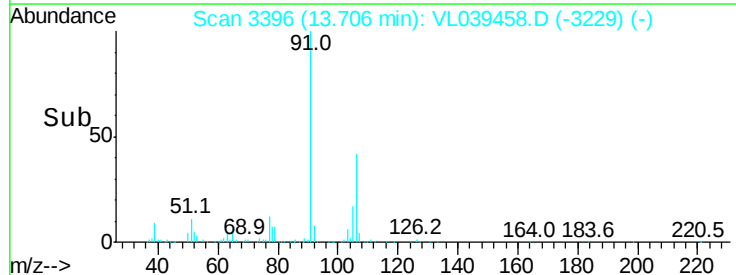
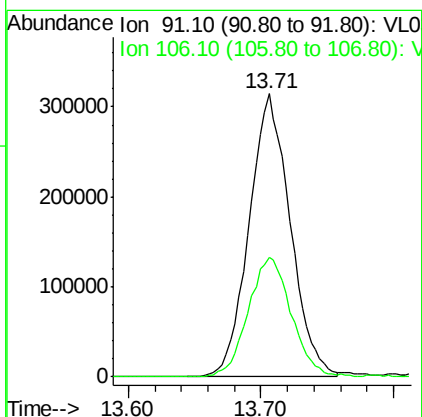
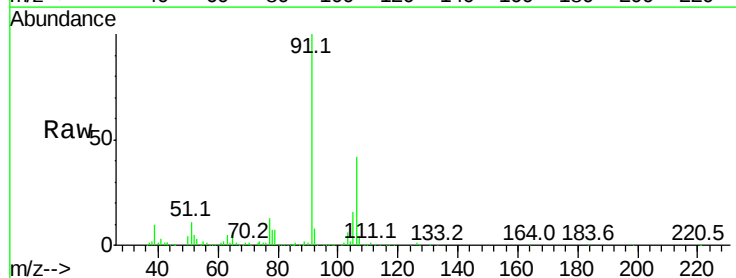
#59
m/p-Xylene
Concen: 4.11 ppbv
RT: 12.98 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 12 Jul 2022 21:40

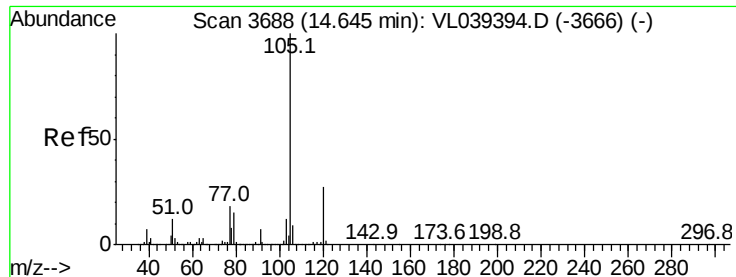
Tgt Ion: 91 Resp: 1821316
Ion Ratio Lower Upper
91 100
106 47.4 35.4 53.2



#60
o-Xylene
Concen: 1.60 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.04 min
Lab File: VL039458.D
Acq: 12 Jul 2022 21:40

Tgt Ion: 91 Resp: 672711
Ion Ratio Lower Upper
91 100
106 45.3 22.4 67.3





#62

Isopropylbenzene

Concen: 0.09 ppbv

RT: 14.68 min

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

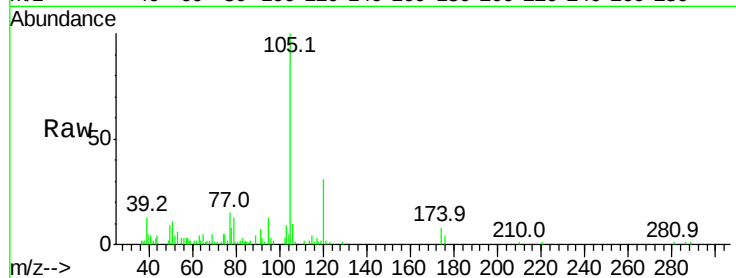
Acq: 12 Jul 2022 21:40

Tgt Ion:105 Resp: 60640

Ion Ratio Lower Upper

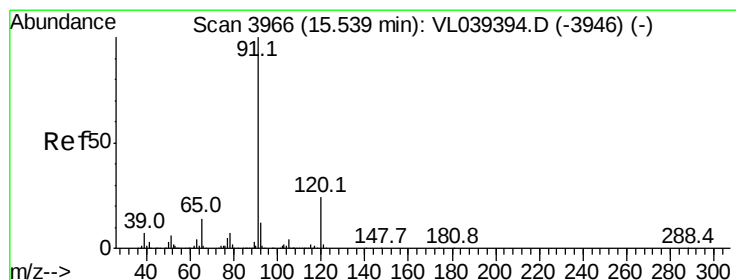
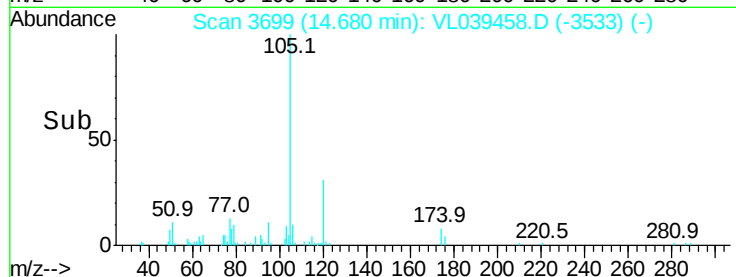
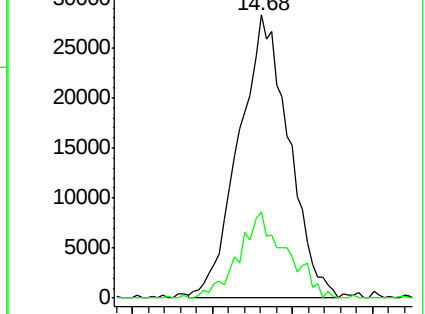
105 100

120 28.9 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: 0.35 ppbv

RT: 15.57 min Scan# 3977

Delta R.T. 0.04 min

Lab File: VL039458.D

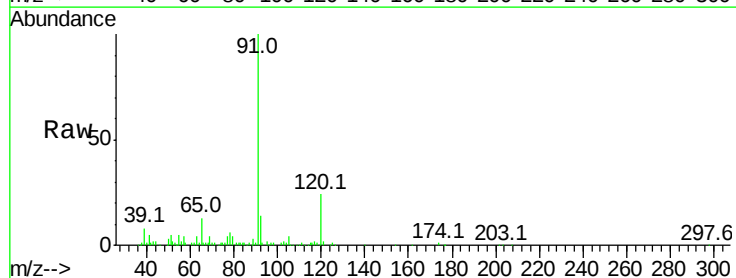
Acq: 12 Jul 2022 21:40

Tgt Ion:120 Resp: 57110

Ion Ratio Lower Upper

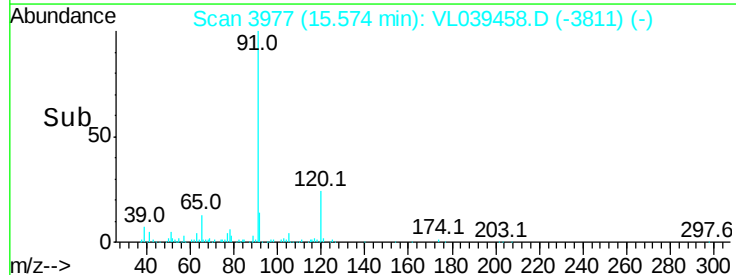
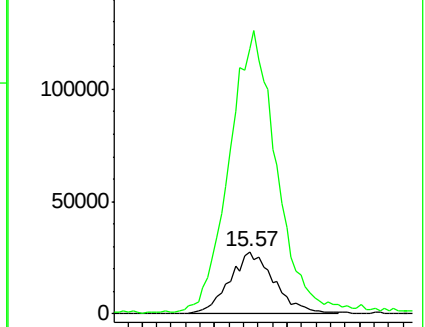
120 100

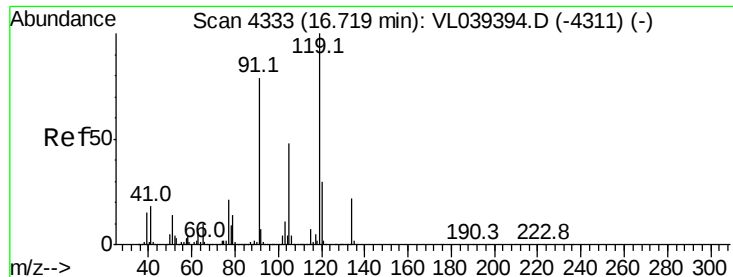
91 505.4 367.2 550.8



Abundance Ion 120.20 (119.90 to 120.90): V

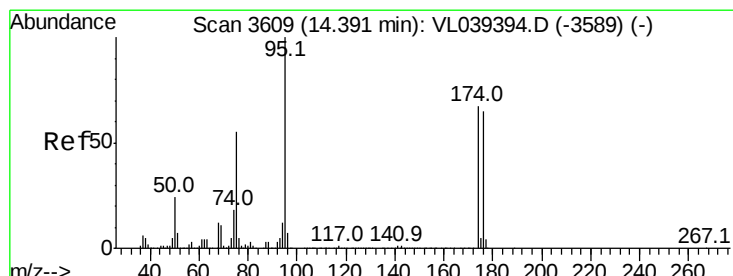
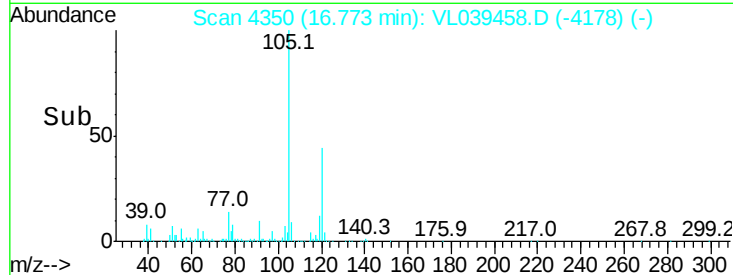
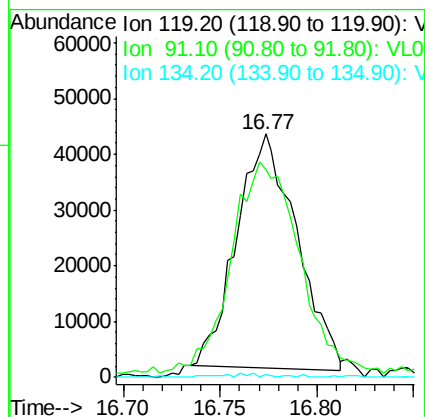
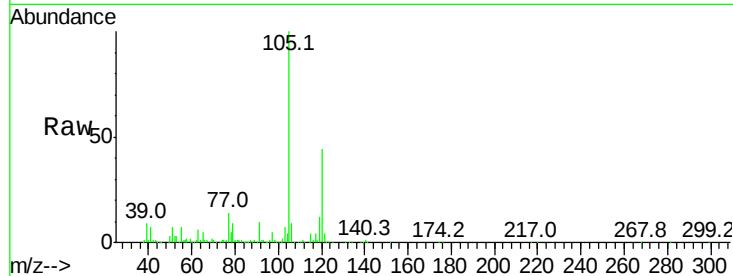
Ion 91.10 (90.80 to 91.80): VL0





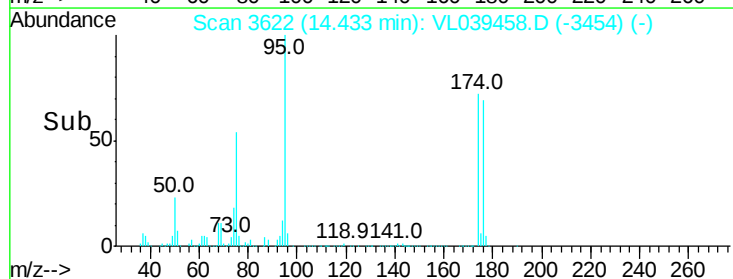
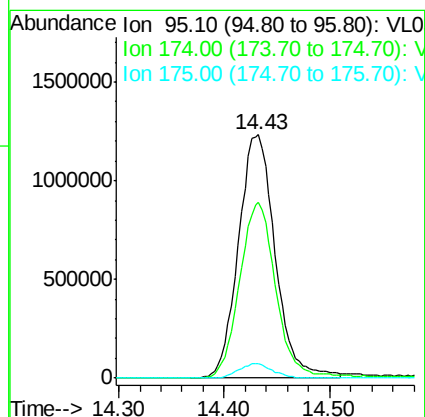
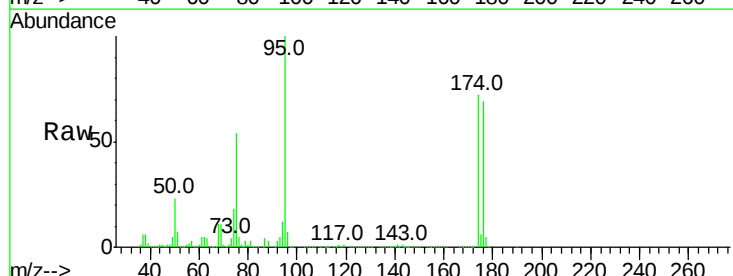
#65
 tert-Butylbenzene
 Concen: 0.15 ppbv
 RT: 16.77
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 SG-2
 Acq: 12 Jul 2022 21:40

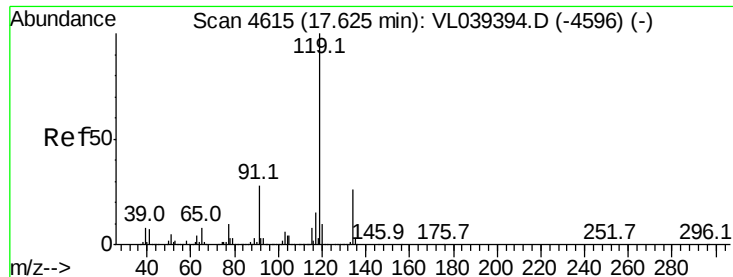
Tgt Ion: 119 Resp: 90697
 Ion Ratio Lower Upper
 119 100
 91 105.4 63.4 95.2#
 134 1.2 15.9 23.9#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.34 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T.: 0.04 min
 Lab File: VL039458.D
 Acq: 12 Jul 2022 21:40

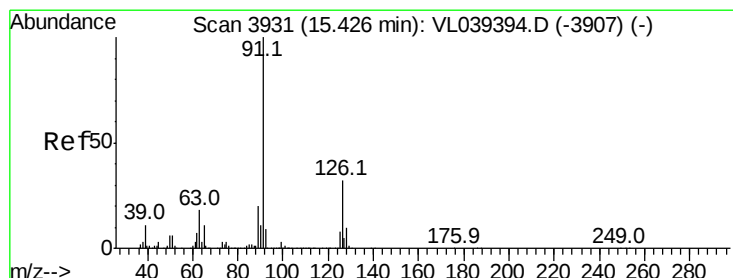
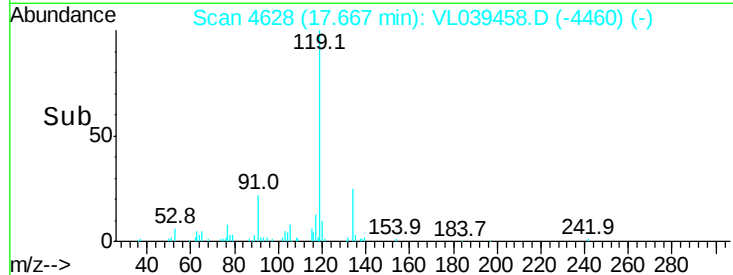
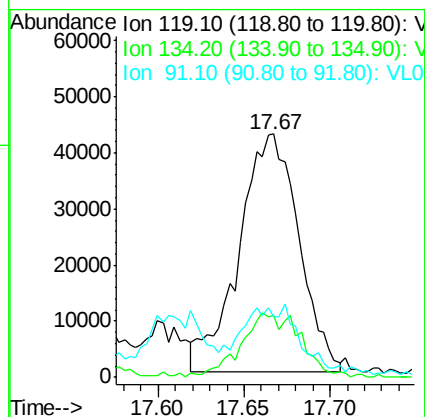
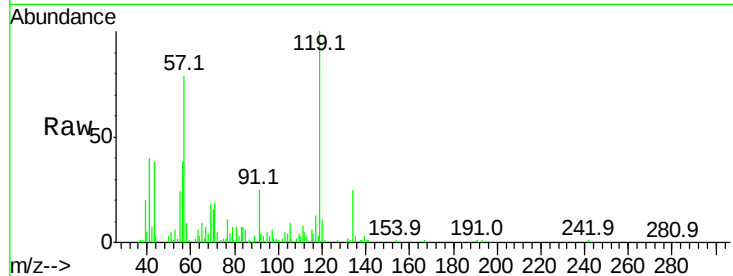
Tgt Ion: 95 Resp: 2989213
 Ion Ratio Lower Upper
 95 100
 174 73.1 55.9 83.9
 175 5.5 4.2 6.4





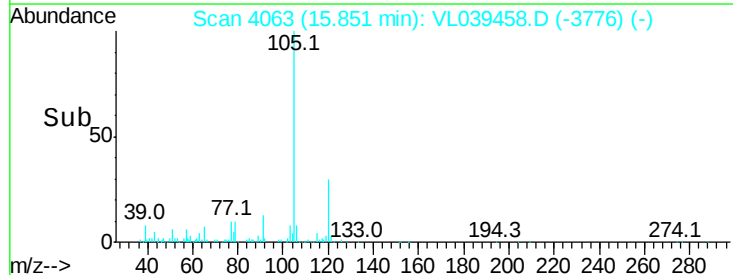
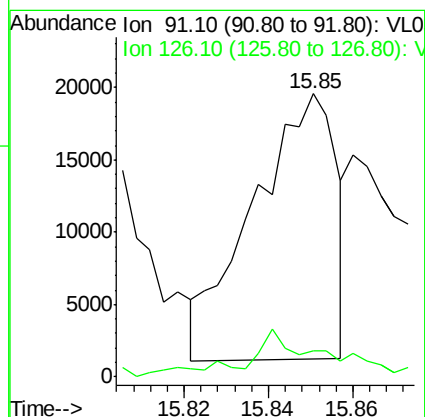
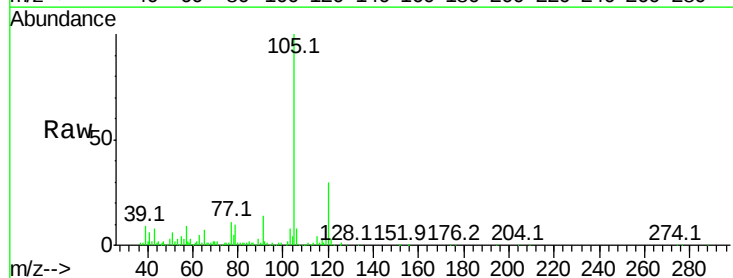
#69
 p-Isopropyltoluene
 Concen: 0.15 ppbv
 RT: 17.67 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 12 Jul 2022 21:40

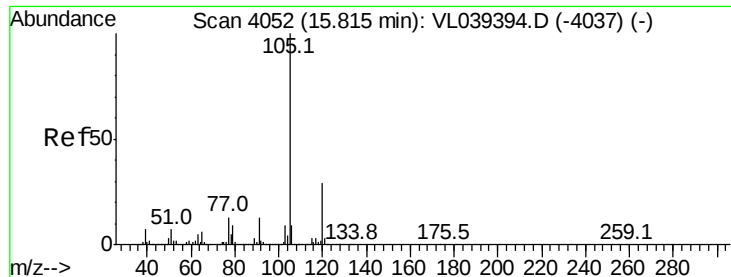
Tgt Ion:	119	Resp:	102757
Ion Ratio	Lower	Upper	
119	100		
134	27.3	20.3	30.5
91	28.3	22.9	34.3



#71
 2-Chlorotoluene
 Concen: 0.05 ppbv
 RT: 15.85 min Scan# 4063
 Delta R.T.: 0.42 min
 Lab File: VL039458.D
 Acq: 12 Jul 2022 21:40

Tgt Ion:	91	Resp:	25064
Ion Ratio	Lower	Upper	
91	100		
126	21.1	13.0	51.8





#72

4-Ethyltoluene

Concen: 0.59 ppbv

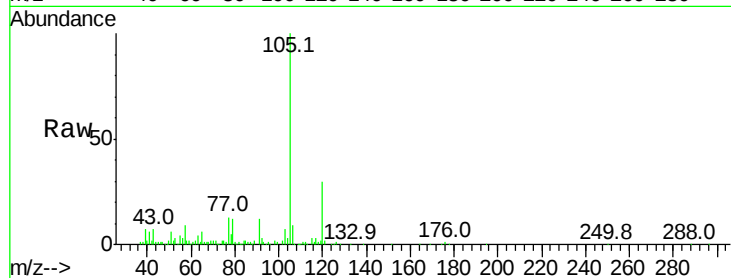
RT: 15.85

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 12 Jul 2022 21:40

Tgt Ion:	105	Resp:	289195
Ion Ratio	Lower	Upper	
105	100		
120	30.9	24.2	36.2
91	15.2	10.2	15.4
77	14.5	11.1	16.7

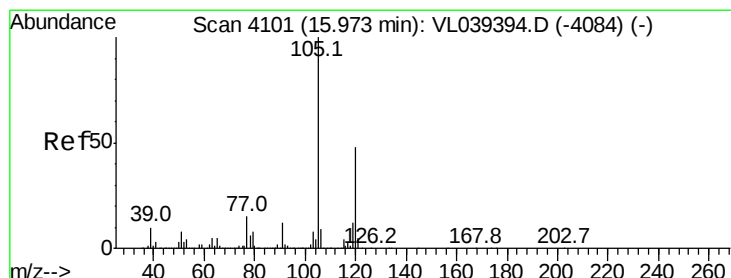
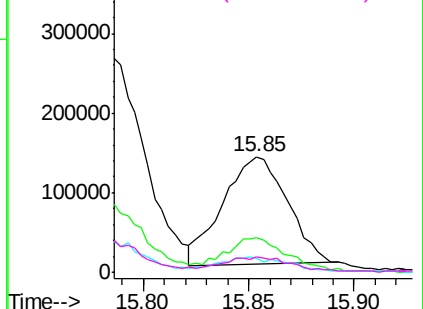
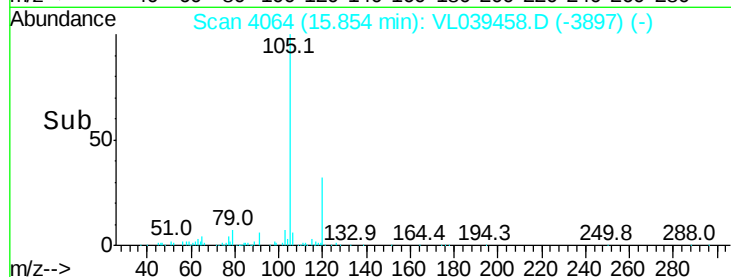


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.59 ppbv

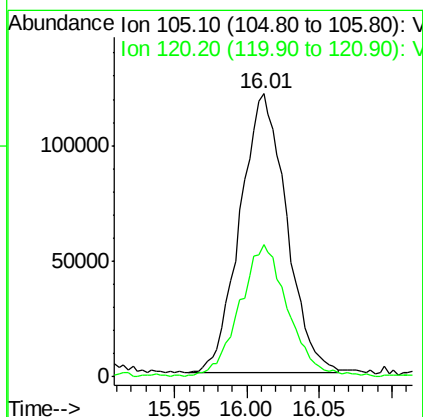
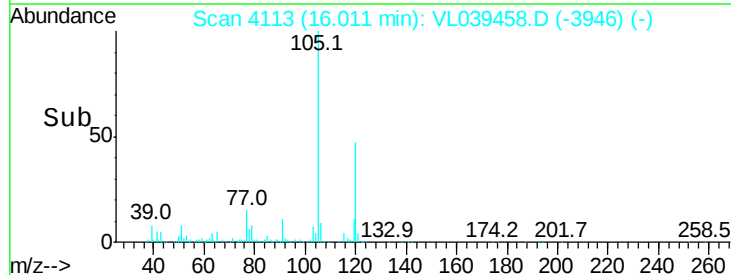
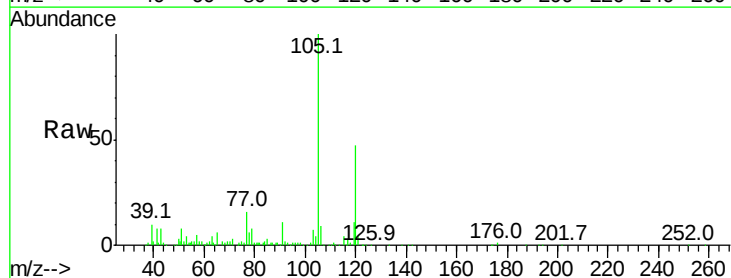
RT: 16.01 min Scan# 4113

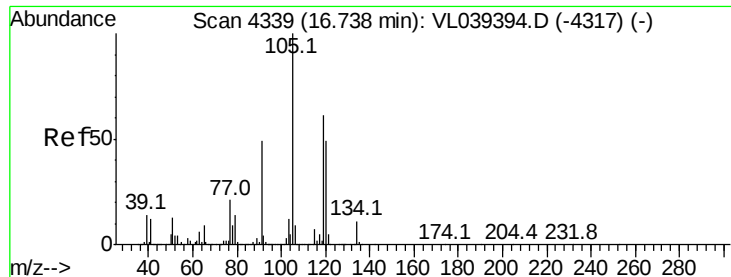
Delta R.T. 0.04 min

Lab File: VL039458.D

Acq: 12 Jul 2022 21:40

Tgt Ion:	105	Resp:	267870
Ion Ratio	Lower	Upper	
105	100		
120	47.1	38.2	57.4





#74

1,2,4-Trimethylbenzene

Concen: 1.71 ppbv

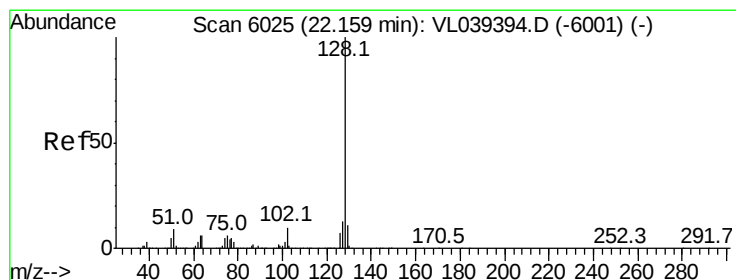
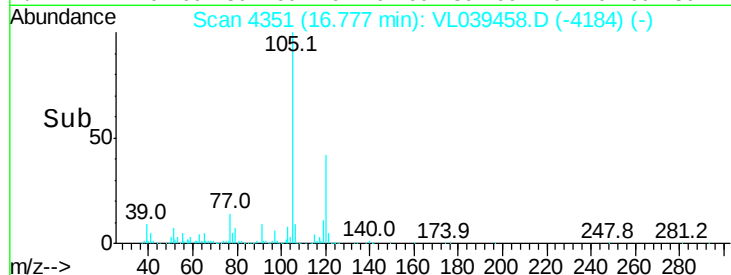
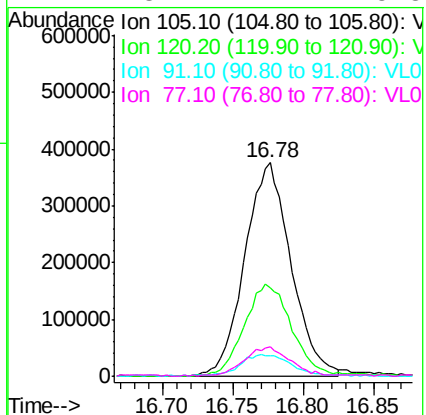
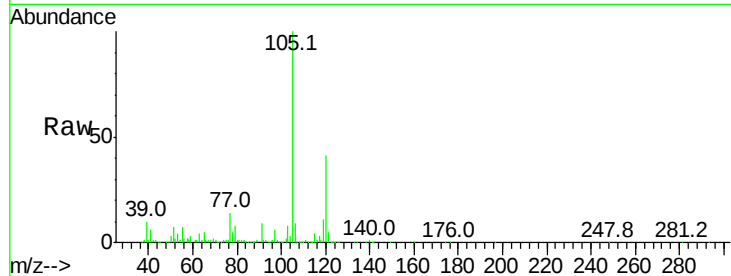
RT: 16.78

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Jul 2022 21:40

Tgt Ion:	105	Resp:	857354
Ion Ratio	Lower	Upper	
105	100		
120	41.6	39.5	59.3
91	9.2	39.2	58.8#
77	13.7	17.2	25.8#



#79

Naphthalene

Concen: 0.16 ppbv

RT: 22.22 min Scan# 6043

Delta R.T. 0.06 min

Lab File: VL039458.D

Acq: 12 Jul 2022 21:40

Tgt Ion:	128	Resp:	56769
Ion Ratio	Lower	Upper	
128	100		
127	10.4	10.6	15.8#
129	12.8	8.8	13.2

