

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060622\
 Data File : VL039200.D
 Acq On : 7 Jun 2022 1:20
 Operator : SY/AP
 Sample : N3110-07 2X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 07 03:20:22 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1207625	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3353461	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	3069497	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2376861	9.37	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	45421	0.214 ppbv	# 88
3) Chlorodifluoromethane	2.98	51	19006	0.124 ppbv	# 83
4) Chloromethane	3.14	50	20114	0.255 ppbv	# 85
9) Propene	3.35	41	8184	0.122 ppbv	84
10) Heptane	8.11	43	83356	0.533 ppbv	98
11) Trichlorofluoromethane	3.95	101	9340	0.049 ppbv	88
13) Ethanol	3.60	45	25033	6.851 ppbv	# 100
15) Acetone	3.85	43	1713688	13.623 ppbv	93
16) 1,3-Butadiene	3.35	39	4180	0.062 ppbv	# 8
17) tert-Butyl alcohol	4.29	59	73269	0.751 ppbv	95
19) Isopropyl Alcohol	3.97	45	30187	0.512 ppbv	# 93
20) Methylene Chloride	4.34	84	28549	0.539 ppbv	# 87
23) Vinyl Acetate	5.06	43	46004	0.442 ppbv	# 70
25) Ethyl Acetate	5.68	43	123774	0.437 ppbv	# 84
26) Hexane	5.68	57	63919	0.513 ppbv	# 1
29) Chloroform	5.75	83	55102	0.263 ppbv	97
30) Cyclohexane	7.12	84	7086	0.068 ppbv	# 1
34) 2-Butanone	5.24	43	445885	2.447 ppbv	98
36) Benzene	6.89	78	52225	0.192 ppbv	# 87
39) 1,2-Dichloropropane	7.17	63	771068	7.120 ppbv	# 23
44) 2,2,4-Trimethylpentane	7.86	57	50037	0.105 ppbv	# 51
51) 2-Hexanone	10.13	43	189467	0.893 ppbv	# 91
52) Tetrachloroethene	11.21	164	321051	3.020 ppbv	93
53) Toluene	9.80	91	591570	1.887 ppbv	99
58) Ethyl Benzene	12.70	91	447571	1.059 ppbv	99
59) m/p-Xylene	12.96	91	1582429	4.250 ppbv	93
60) o-Xylene	13.68	91	763474	2.182 ppbv	100
61) Styrene	13.51	104	31560	0.168 ppbv	# 33
62) Isopropylbenzene	14.65	105	34461	0.066 ppbv	# 65
64) n-propylbenzene	15.55	120	32618	0.255 ppbv	# 1
65) tert-Butylbenzene	16.75	119	184247	0.387 ppbv	# 76
66) Benzyl Chloride	16.75	91	93231	1.508 ppbv	# 67
67) sec-Butylbenzene	17.27	105	32544	0.050 ppbv	# 63
69) p-Isopropyltoluene	17.64	119	40393	0.074 ppbv	# 45
70) n-Butylbenzene	18.54	91	195308	0.348 ppbv	# 48
71) 2-Chlorotoluene	15.82	91	21636	0.055 ppbv	74
72) 4-Ethyltoluene	15.83	105	433989	1.058 ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	404891	1.095 ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	1660941	4.024 ppbv	# 64
79) Naphthalene	22.18	128	95284	0.300 ppbv	# 96
80) Naphthalene,2-methyl-	24.96	142	14981	0.127 ppbv	# 51

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Misc : 400mL/MSVOA L
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Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jun 07 03:20:22 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

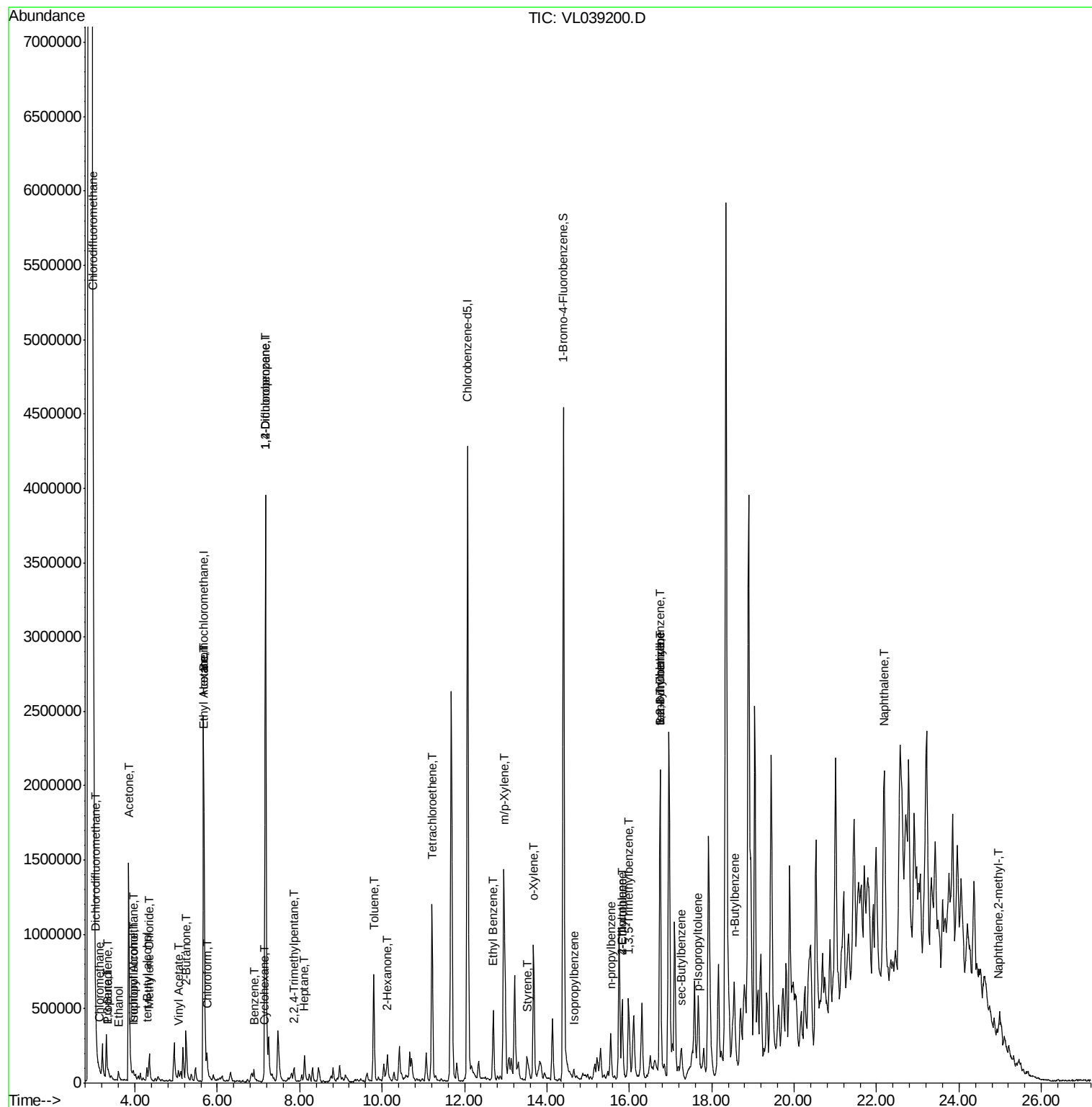
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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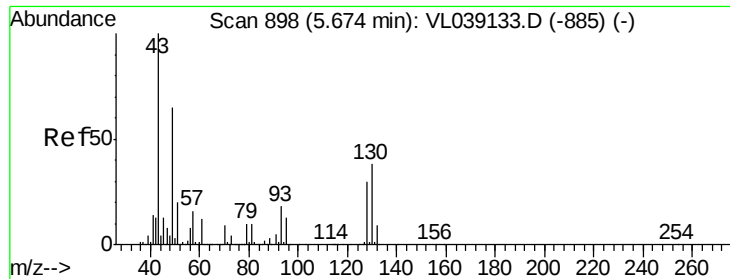
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

Acq: 7 Jun 2022 1:20

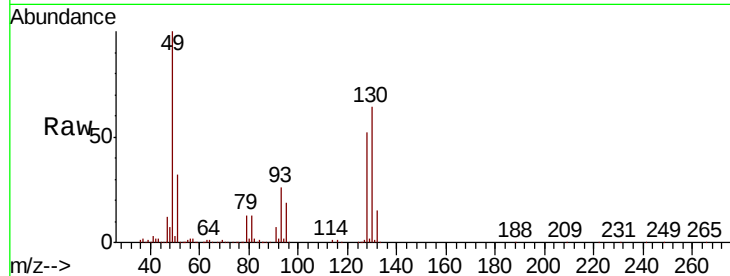
Tot Ion: 49 Resp: 1207625

Ion Ratio Lower Upper

49 100

128 52.9 24.7 74.1

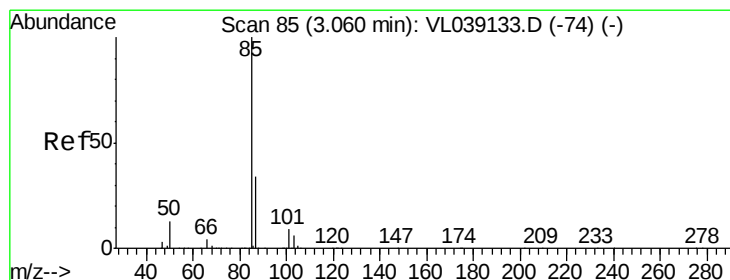
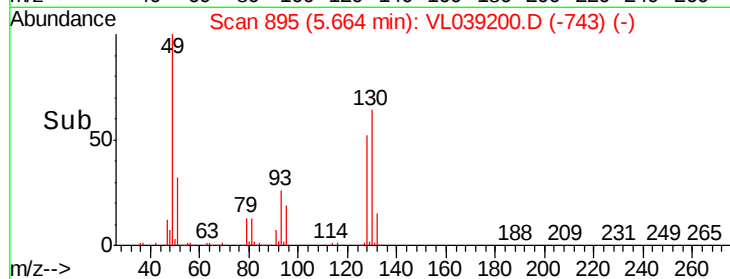
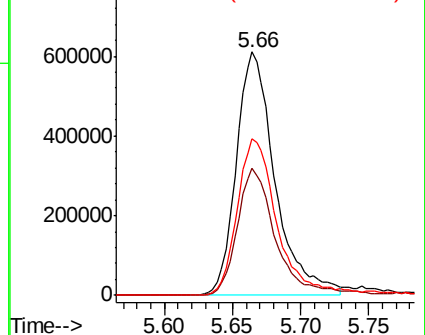
130 68.7 31.4 94.0



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: 0.214 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL039200.D

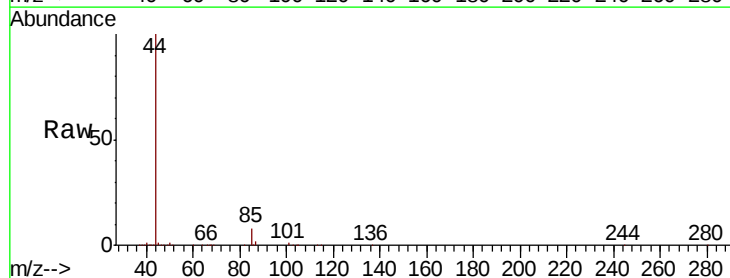
Acq: 7 Jun 2022 1:20

Tgt Ion: 85 Resp: 45421

Ion Ratio Lower Upper

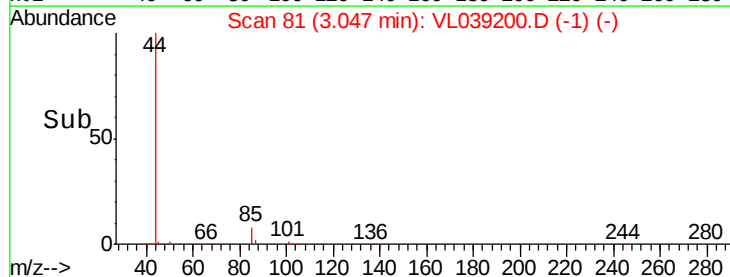
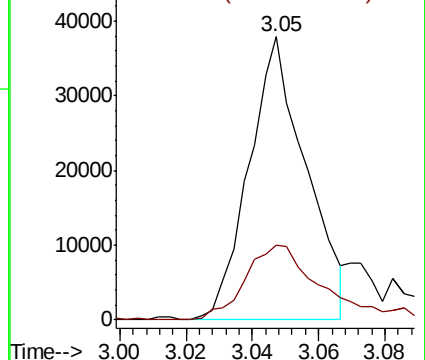
85 100

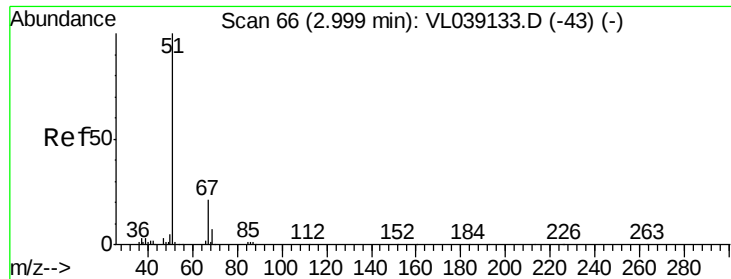
87 26.6 26.9 40.3#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.124 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

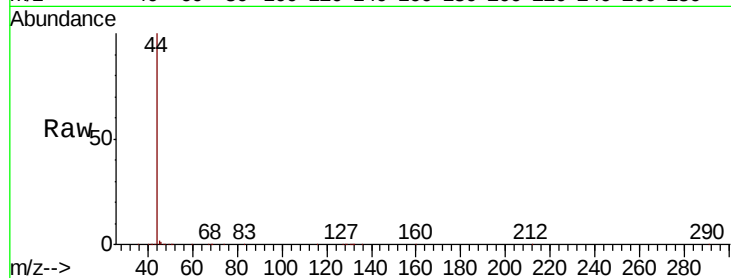
Acq: 7 Jun 2022 1:20

Tot Ion: 51 Resp: 19006

Ion Ratio Lower Upper

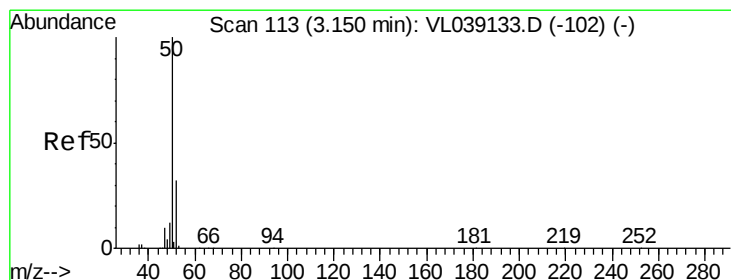
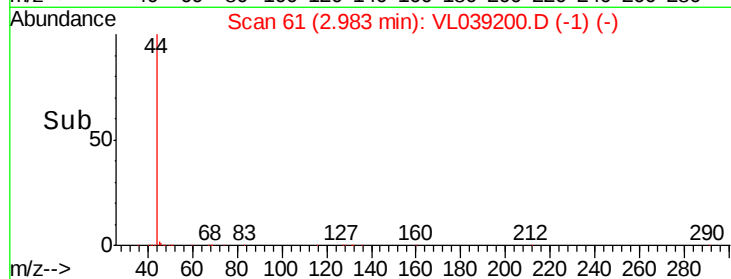
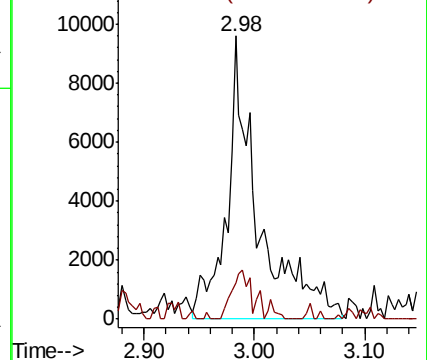
51 100

67 12.5 16.2 24.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.255 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL039200.D

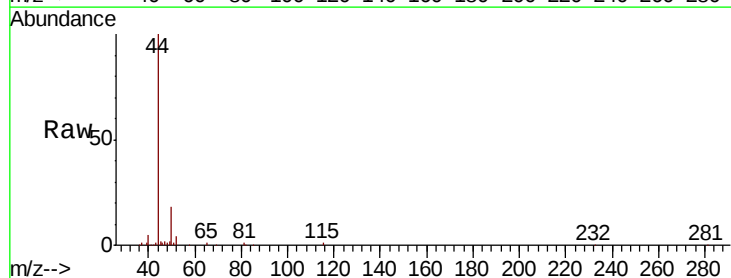
Acq: 7 Jun 2022 1:20

Tgt Ion: 50 Resp: 20114

Ion Ratio Lower Upper

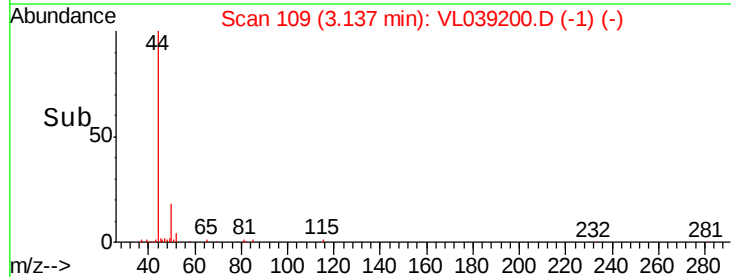
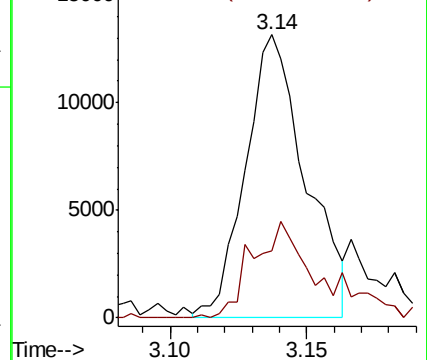
50 100

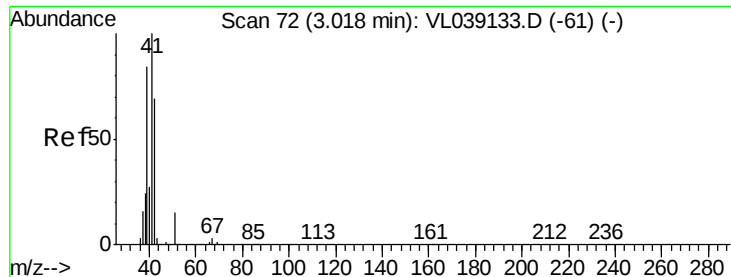
52 24.0 25.9 38.9#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.122 ppbv

RT: 3.35 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

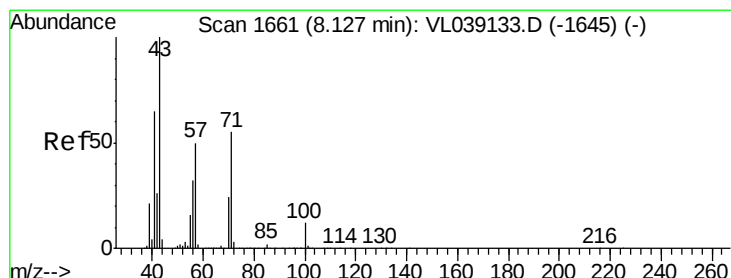
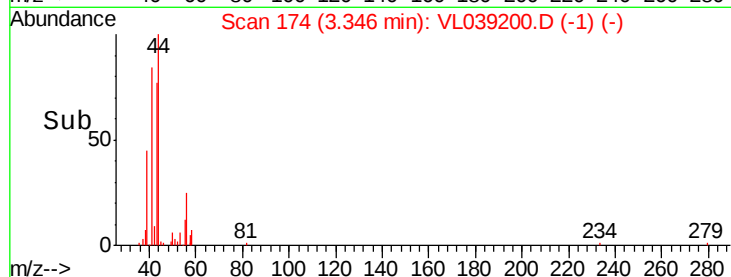
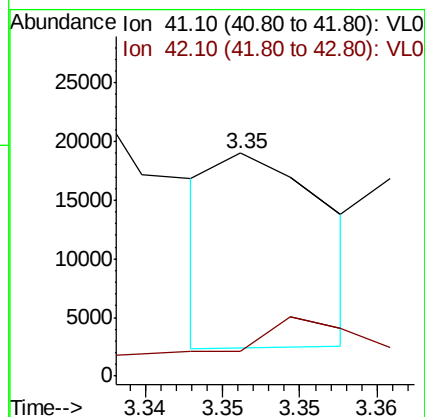
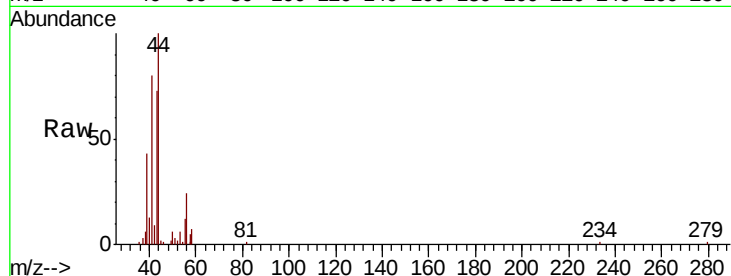
Acq: 7 Jun 2022 1:20

Tot Ion: 41 Resp: 8184

Ion Ratio Lower Upper

41 100

42 82.7 55.4 83.2



#10

Heptane

Concen: 0.533 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VL039200.D

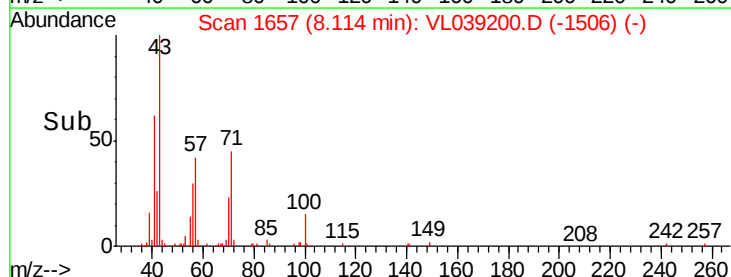
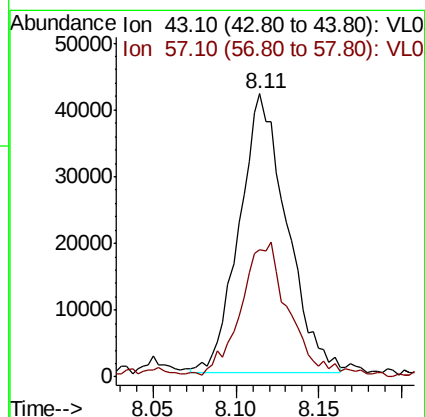
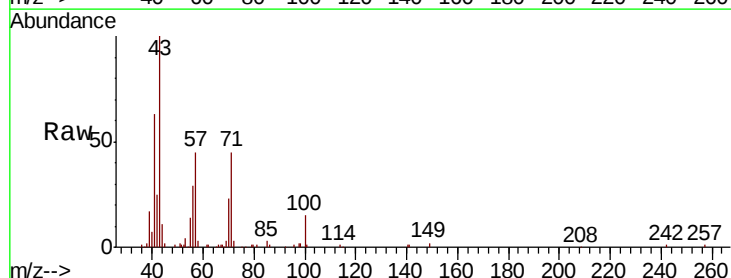
Acq: 7 Jun 2022 1:20

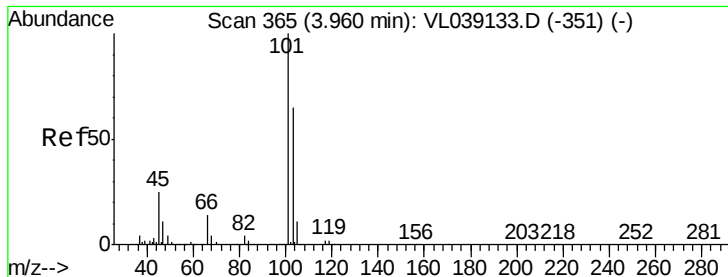
Tgt Ion: 43 Resp: 83356

Ion Ratio Lower Upper

43 100

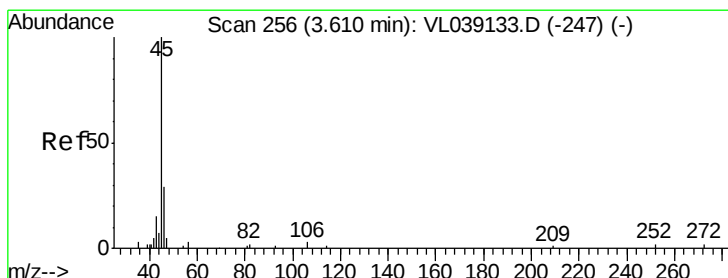
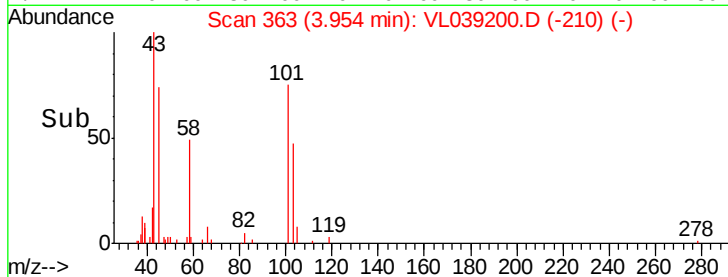
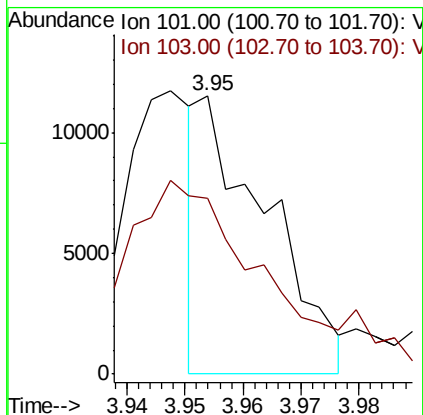
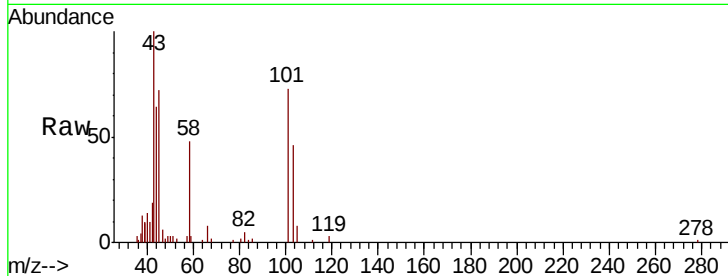
57 50.1 41.4 62.2





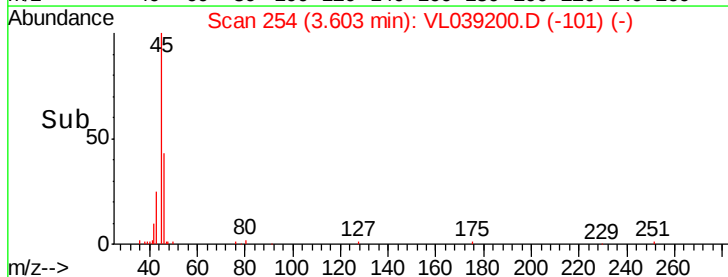
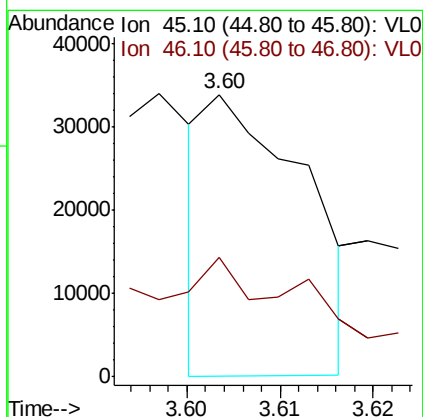
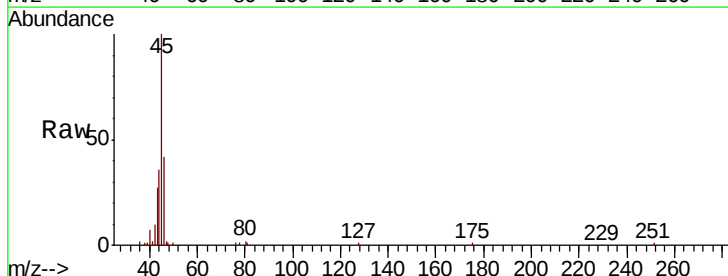
#11
 Trichlorofluoromethane
 Concen: 0.049 ppbv
 RT: 3.95
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 7 Jun 2022 1:20

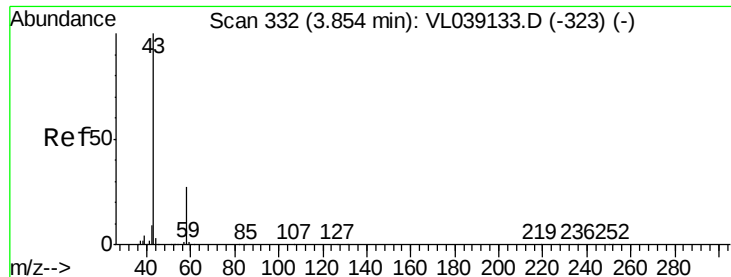
Tot Ion: 101 Resp: 9340
 Ion Ratio Lower Upper
 101 100
 103 55.3 51.7 77.5



#13
 Ethanol
 Concen: 6.851 ppbv
 RT: 3.60 min Scan# 254
 Delta R.T. -0.01 min
 Lab File: VL039200.D
 Acq: 7 Jun 2022 1:20

Tgt Ion: 45 Resp: 25033
 Ion Ratio Lower Upper
 45 100
 46 123.0 0.0 0.0#





#15

Acetone

Concen: 13.623 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

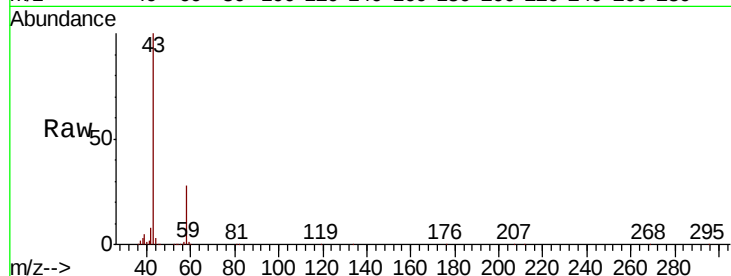
Acq: 7 Jun 2022 1:20

Tot Ion: 43 Resp: 1713688

Ion Ratio Lower Upper

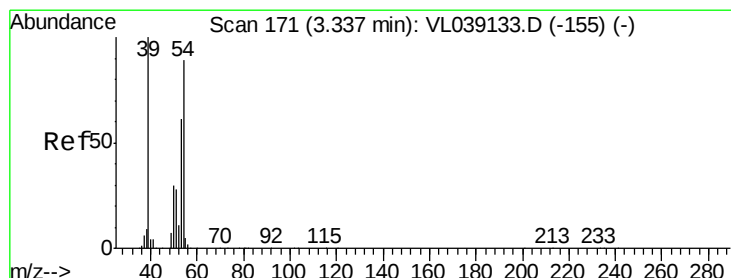
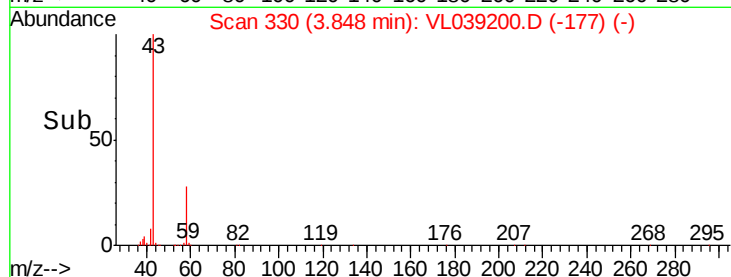
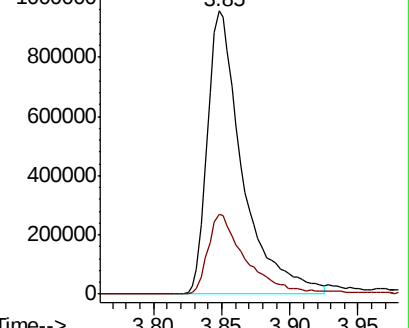
43 100

58 31.7 22.5 33.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.062 ppbv

RT: 3.35 min Scan# 174

Delta R.T. 0.01 min

Lab File: VL039200.D

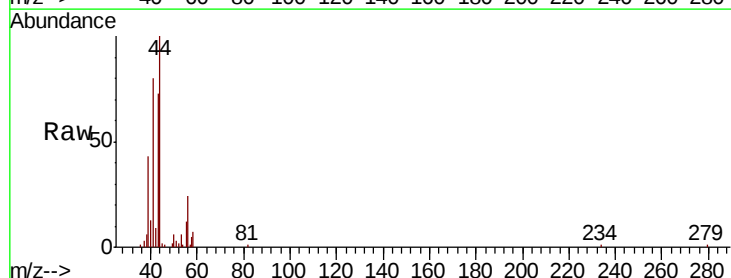
Acq: 7 Jun 2022 1:20

Tgt Ion: 39 Resp: 4180

Ion Ratio Lower Upper

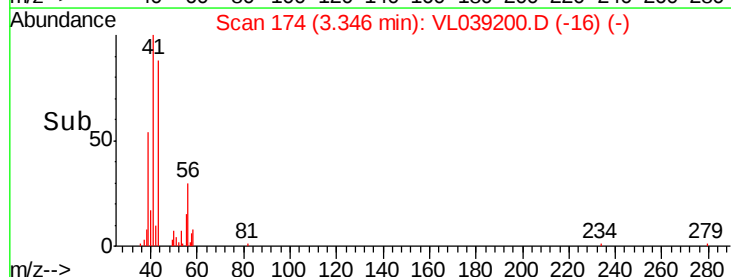
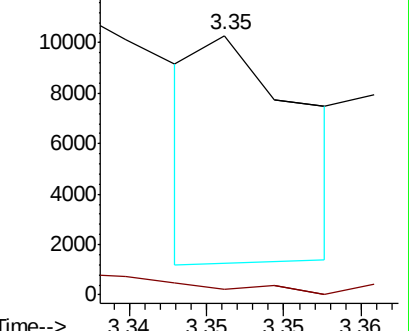
39 100

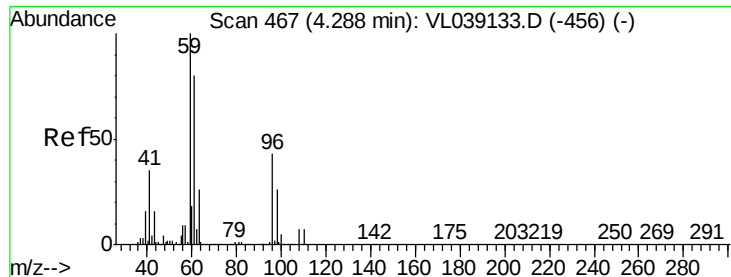
54 0.0 65.8 98.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

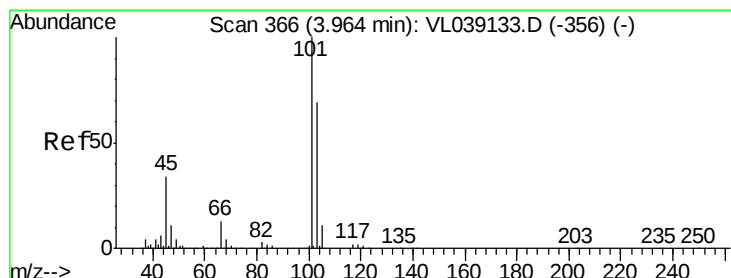
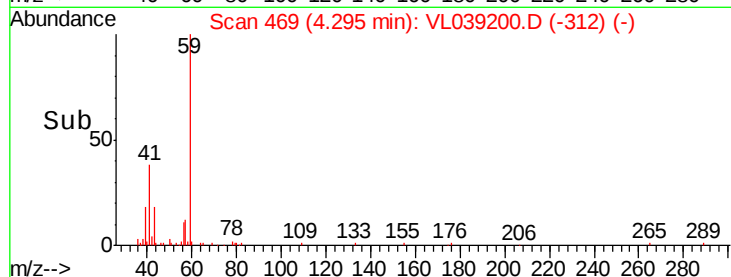
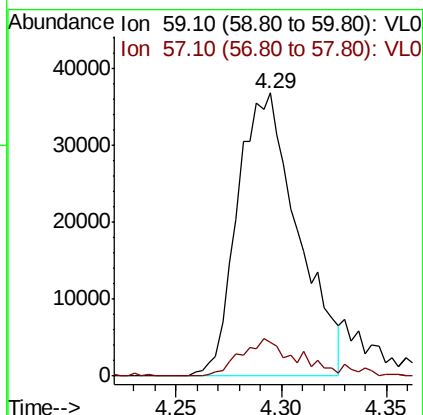
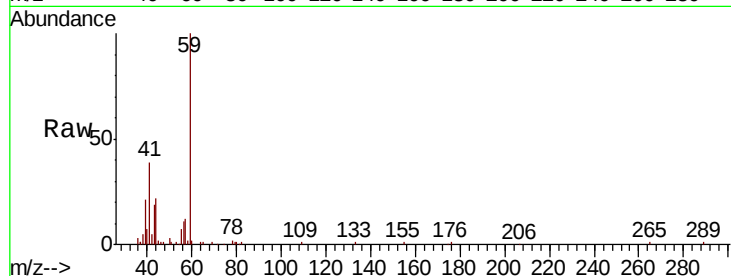
Ion 54.10 (53.80 to 54.80): VL0





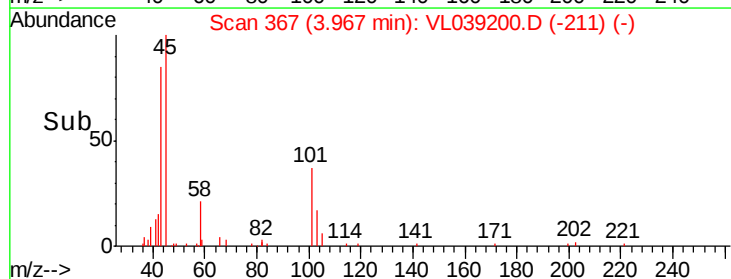
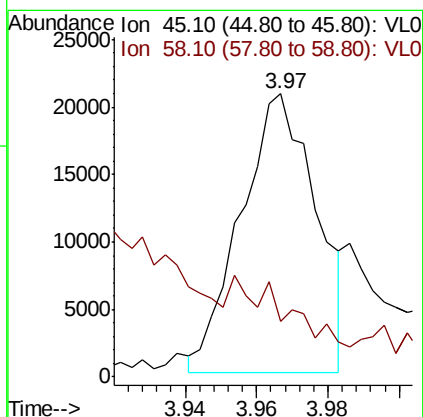
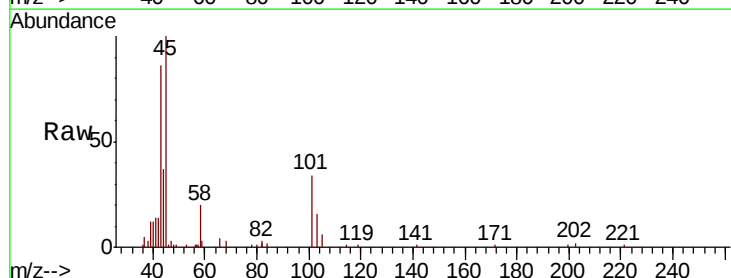
#17
tert-Butyl alcohol
Concen: 0.751 ppbv
RT: 4.29
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 7 Jun 2022 1:20

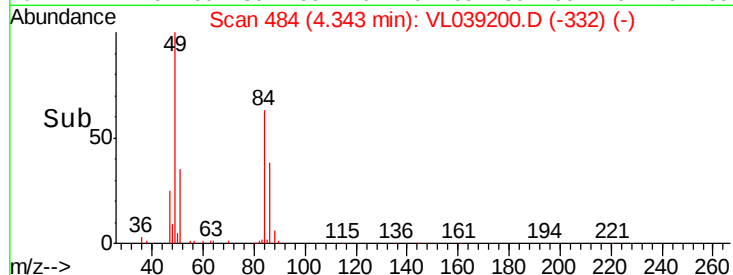
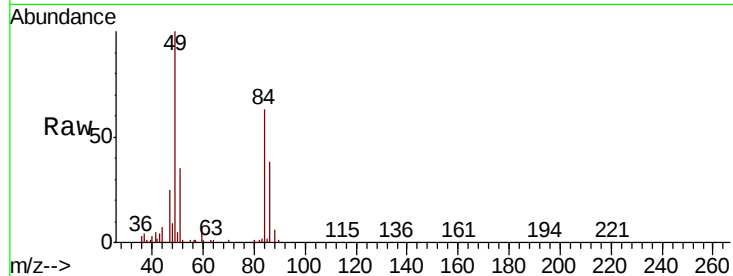
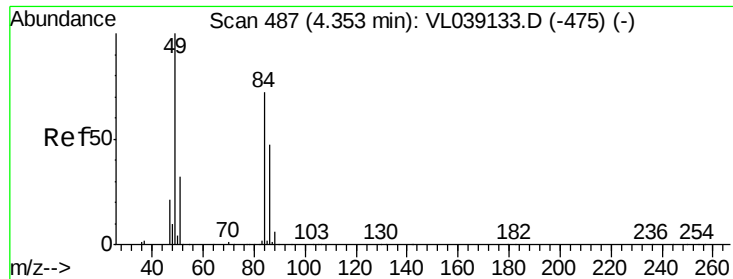
Tot Ion: 59 Resp: 73269
Ion Ratio Lower Upper
59 100
57 13.4 9.1 13.7



#19
Isopropyl Alcohol
Concen: 0.512 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.00 min
Lab File: VL039200.D
Acq: 7 Jun 2022 1:20

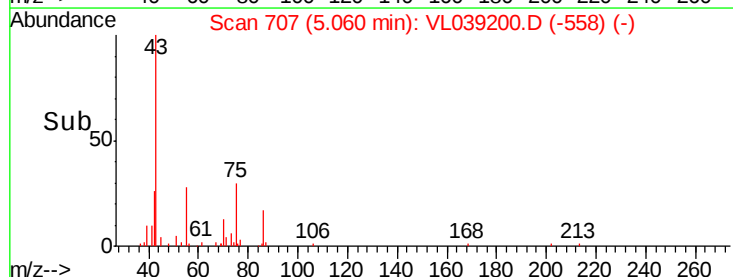
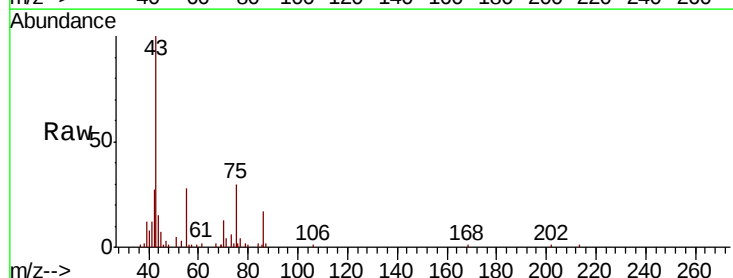
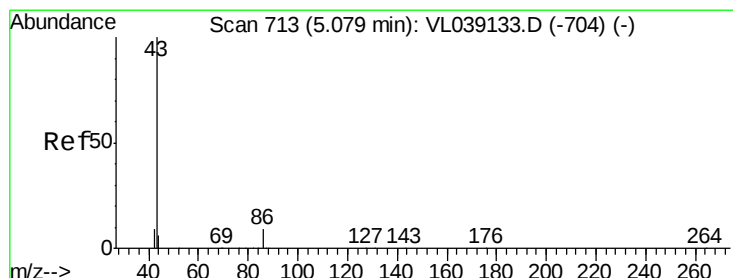
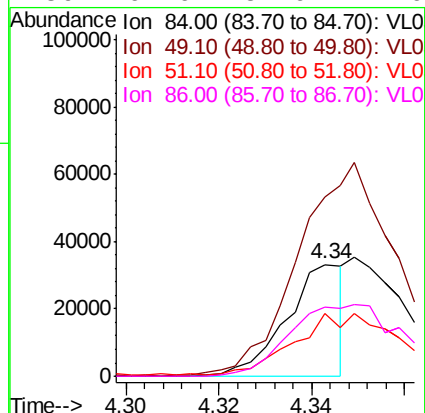
Tgt Ion: 45 Resp: 30187
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8#





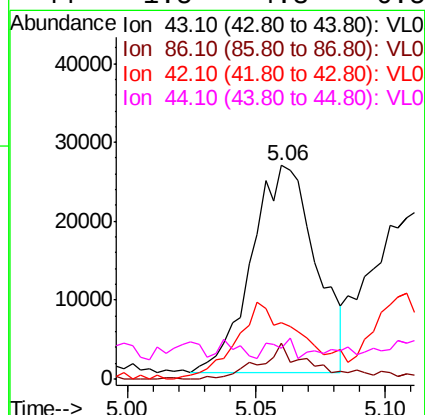
#20
Methvlene Chloride
Concen: 0.539 ppbv
RT: 4.34
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId :
Acq: 7 Jun 2022 1:20

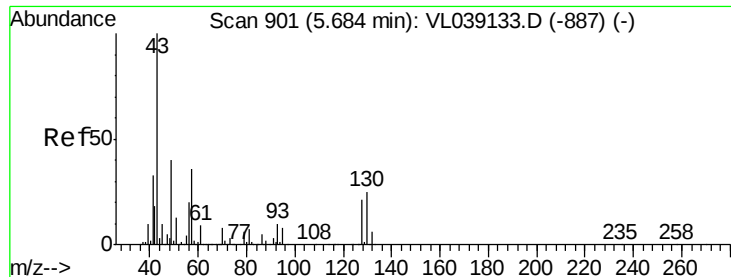
Tot Ion:	84	Resp:	28549
Ion	Ratio	Lower	Upper
84	100		
49	159.3	111.1	166.7
51	54.5	35.3	52.9#
86	61.6	51.9	77.9



#23
Vinyl Acetate
Concen: 0.442 ppbv
RT: 5.06 min Scan# 707
Delta R.T. -0.02 min
Lab File: VL039200.D
Acq: 7 Jun 2022 1:20

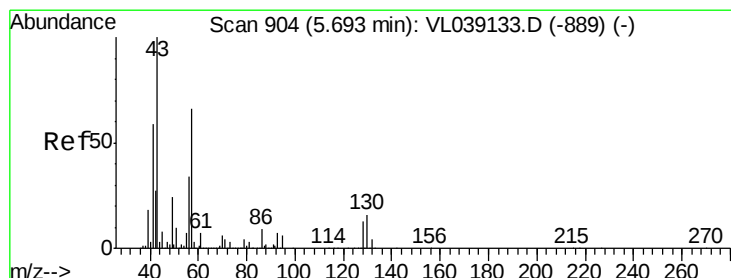
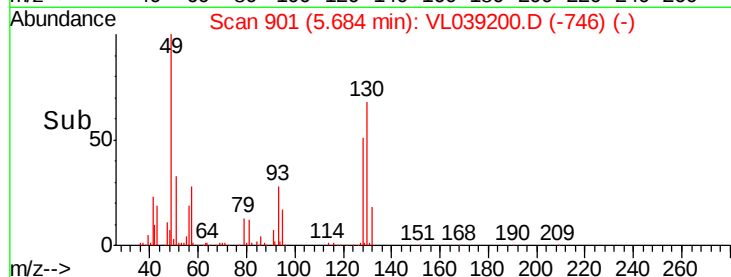
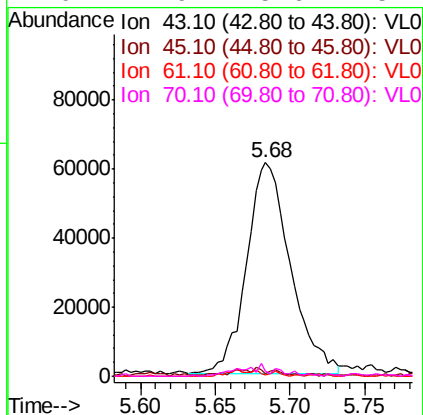
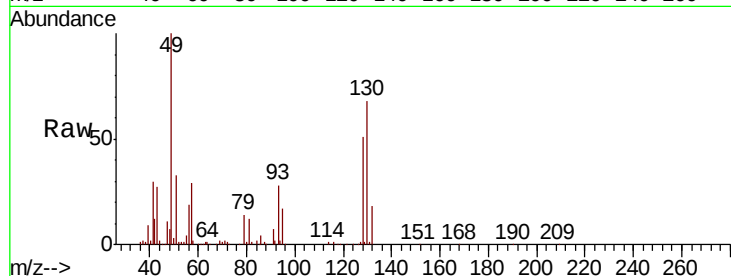
Tgt Ion:	43	Resp:	46004
Ion	Ratio	Lower	Upper
43	100		
86	17.3	6.0	9.0#
42	25.4	8.2	12.4#
44	1.5	4.3	6.5#





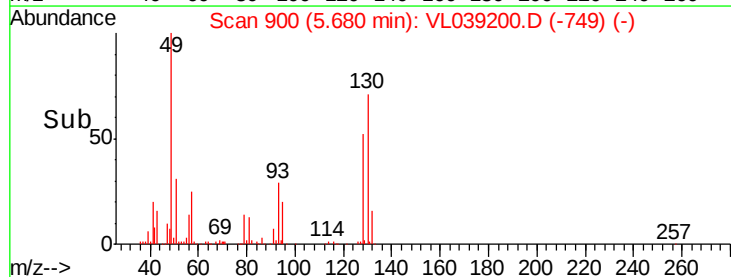
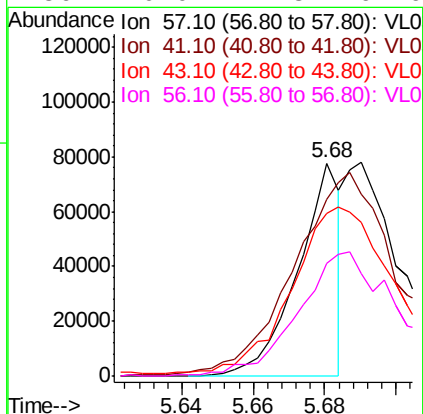
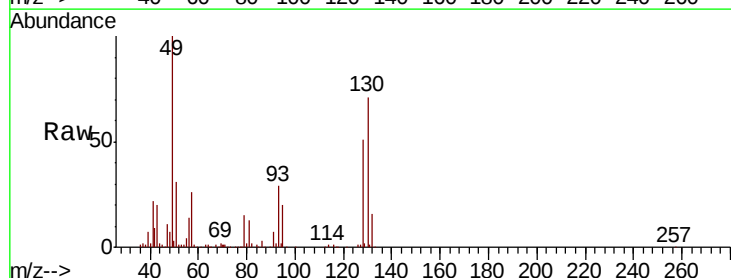
#25
Ethyl Acetate
Concen: 0.437 ppbv
RT: 5.68 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 7 Jun 2022 1:20

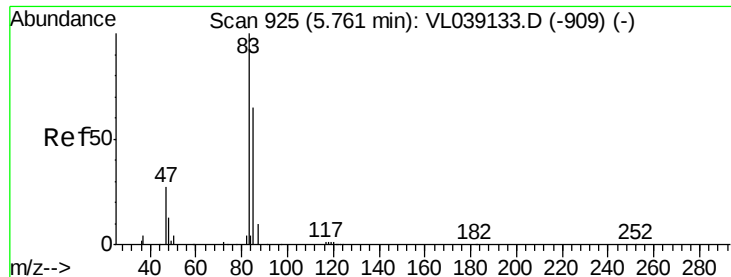
Tot Ion:	43	Resp:	123774
Ion	Ratio	Lower	Upper
43	100		
45	4.2	8.2	12.2#
61	2.5	8.4	12.6#
70	4.9	5.6	8.4#



#26
Hexane
Concen: 0.513 ppbv
RT: 5.68 min Scan# 900
Delta R.T.: -0.01 min
Lab File: VL039200.D
Acq: 7 Jun 2022 1:20

Tgt Ion:	57	Resp:	63919
Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.4	108.6#
43	0.0	187.0	280.6#
56	0.0	41.8	62.6#





#29

Chloroform

Concen: 0.263 ppbv

RT: 5.75 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

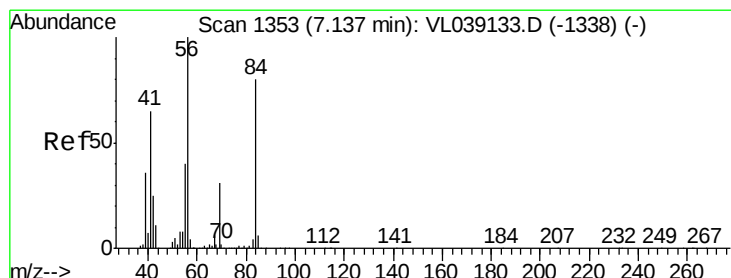
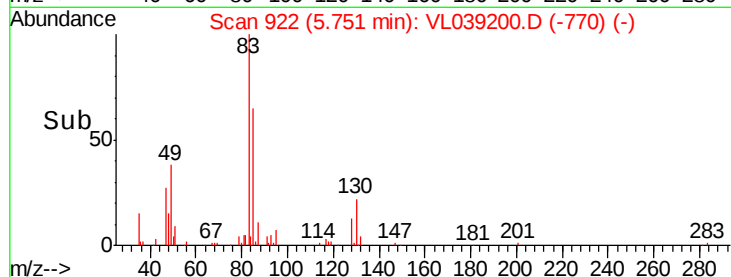
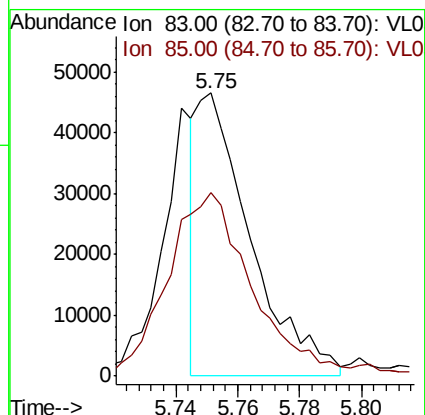
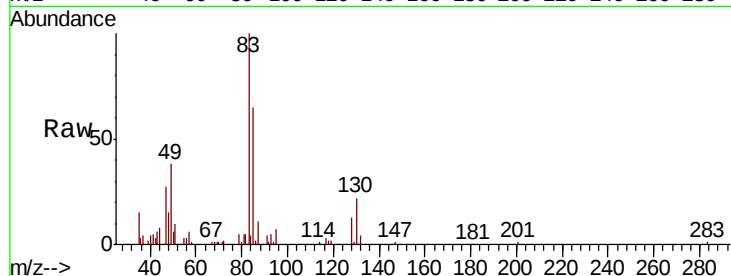
Acq: 7 Jun 2022 1:20

Tot Ion: 83 Resp: 55102

Ion Ratio Lower Upper

83 100

85 63.4 52.4 78.6



#30

Cyclohexane

Concen: 0.068 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. -0.01 min

Lab File: VL039200.D

Acq: 7 Jun 2022 1:20

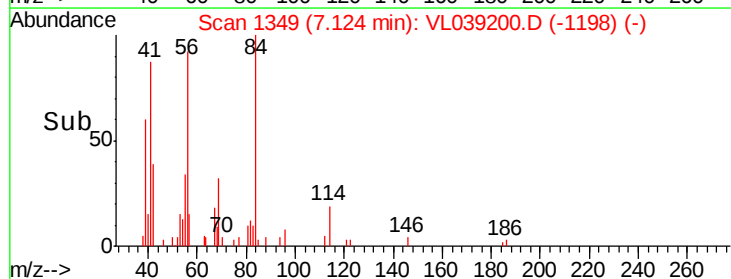
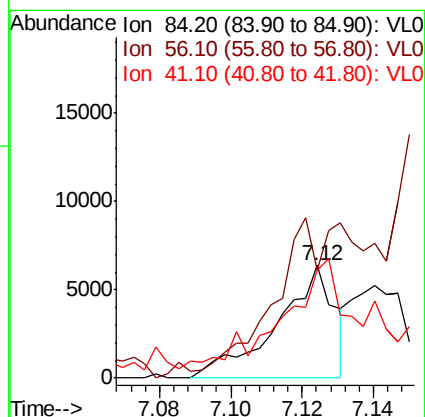
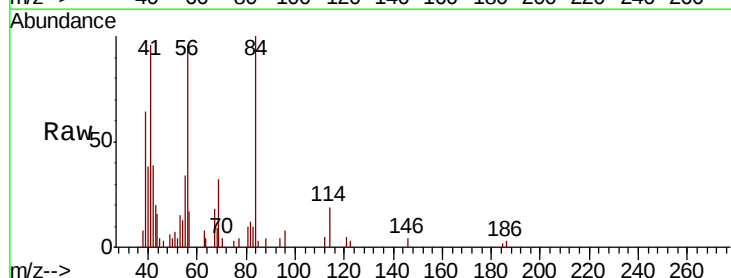
Tgt Ion: 84 Resp: 7086

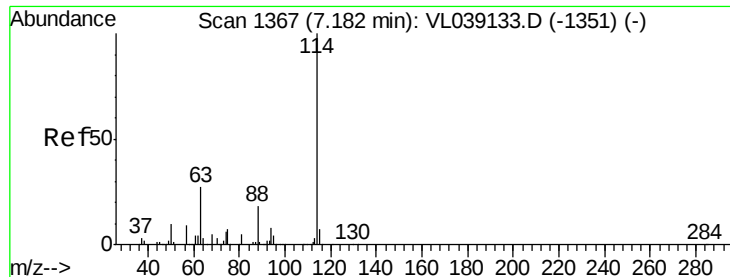
Ion Ratio Lower Upper

84 100

56 0.0 110.6 165.8#

41 192.6 68.9 103.3#

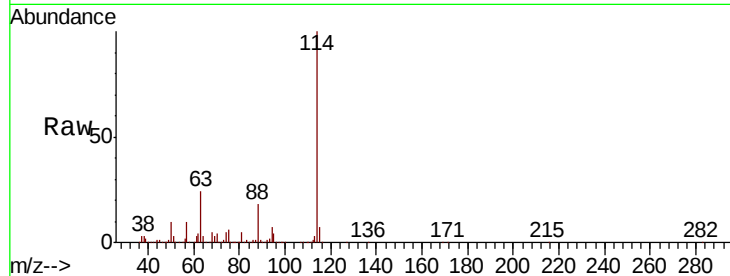




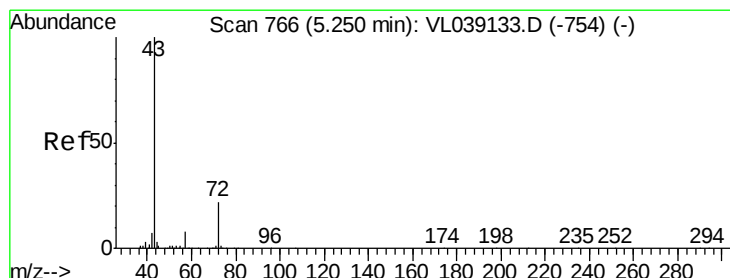
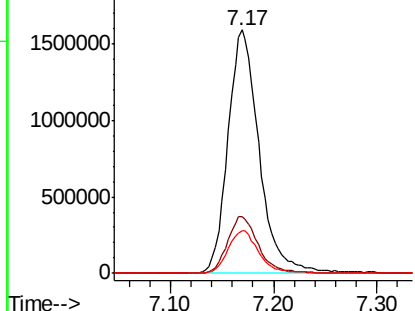
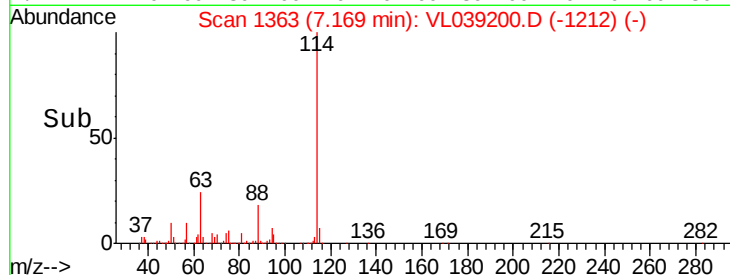
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 1:20

Tot Ion:114 Resp: 3353461

Ion	Ratio	Lower	Upper
114	100		
63	23.6	21.7	32.5
88	17.5	14.8	22.2



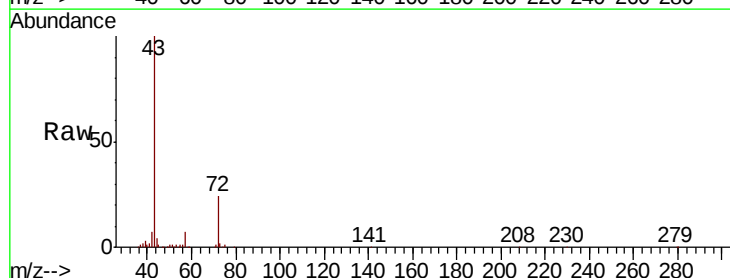
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



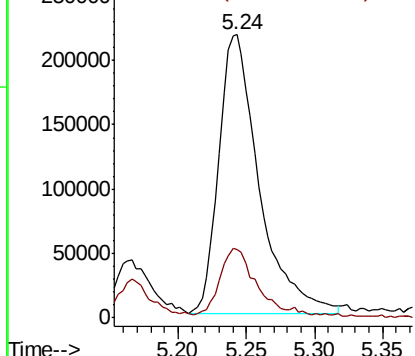
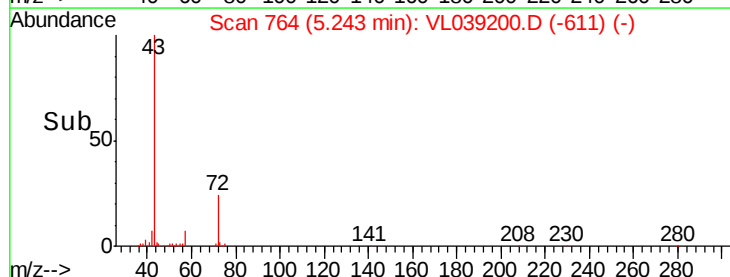
#34
 2-Butanone
 Concen: 2.447 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL039200.D
 Acq: 7 Jun 2022 1:20

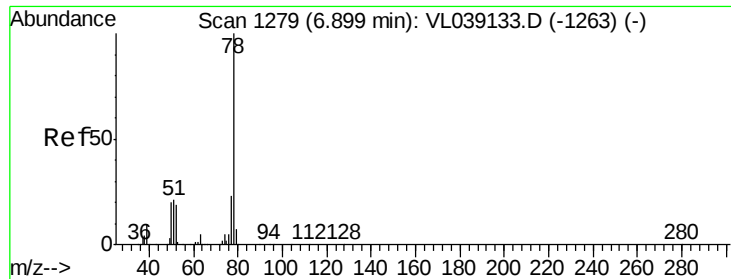
Tgt Ion: 43 Resp: 445885

Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.2	27.2



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





#36

Benzene

Concen: 0.192 ppbv

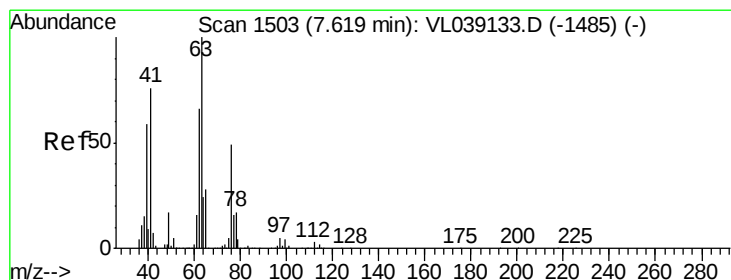
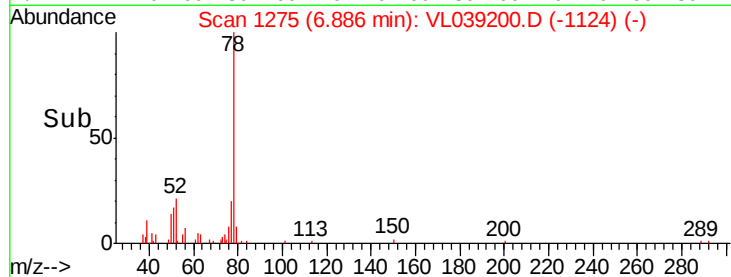
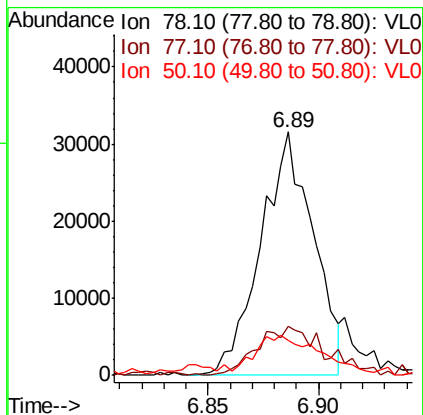
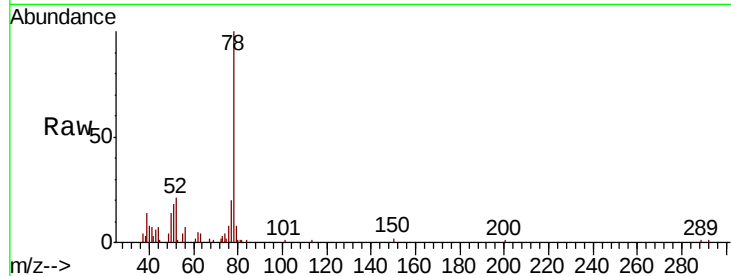
RT: 6.89 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Jun 2022 1:20

Tot Ion:	78	Resp:	52225
Ion	Ratio	Lower	Upper
78	100		
77	20.1	18.6	27.8
50	10.2	15.8	23.8#



#39

1,2-Dichloropropane

Concen: 7.120 ppbv

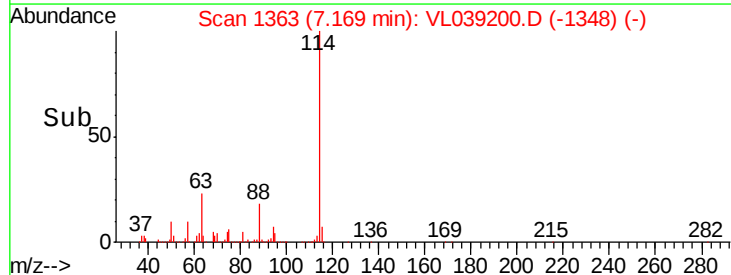
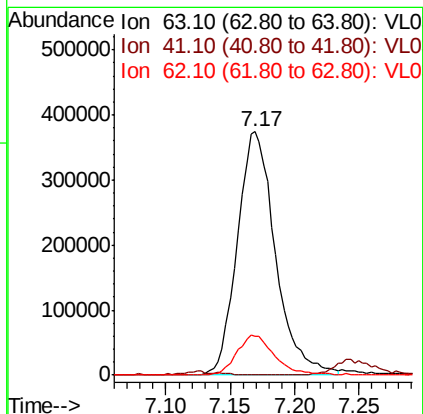
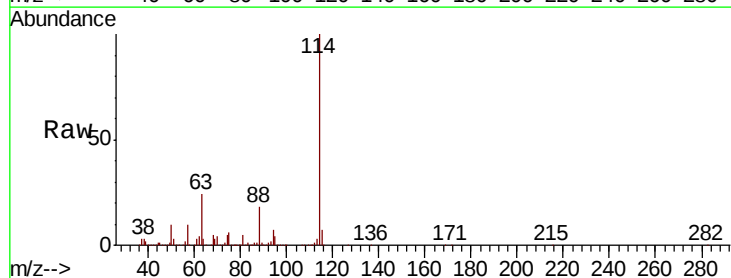
RT: 7.17 min Scan# 1363

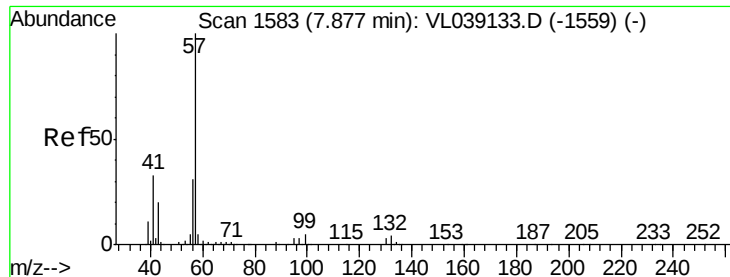
Delta R.T. -0.45 min

Lab File: VL039200.D

Acq: 7 Jun 2022 1:20

Tgt Ion:	63	Resp:	771068
Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	15.9	52.9	79.3#





#44

2,2,4-Trimethylpentane

Concen: 0.105 ppbv

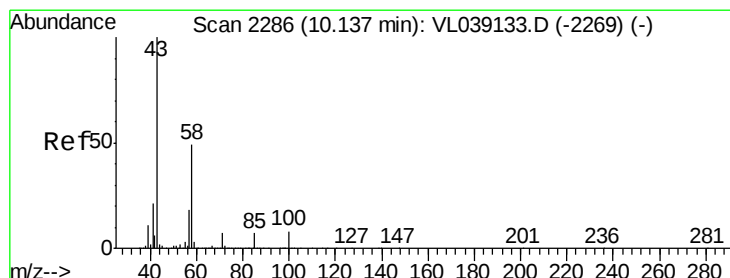
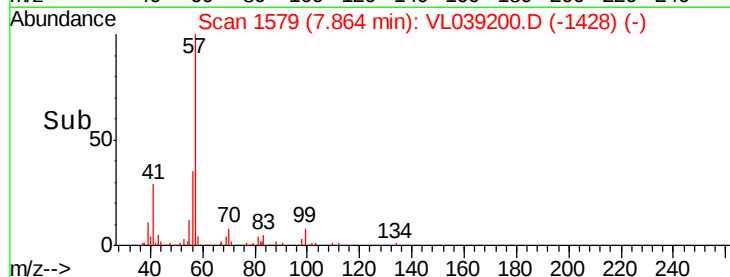
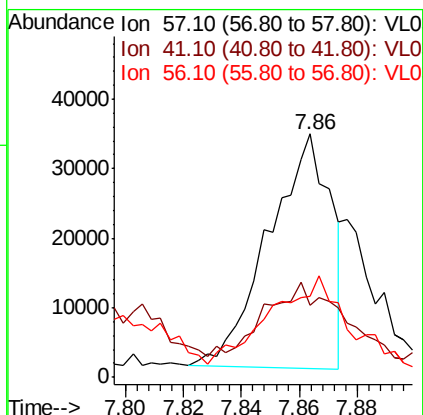
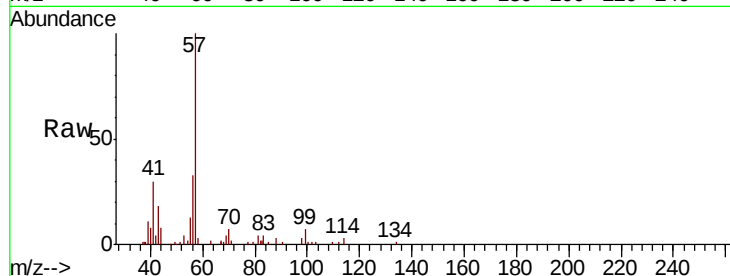
RT: 7.86 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Jun 2022 1:20

Tot Ion:	57	Resp:	50037
Ion	Ratio	Lower	Upper
57	100		
41	52.8	26.2	39.4#
56	66.2	24.7	37.1#



#51

2-Hexanone

Concen: 0.893 ppbv

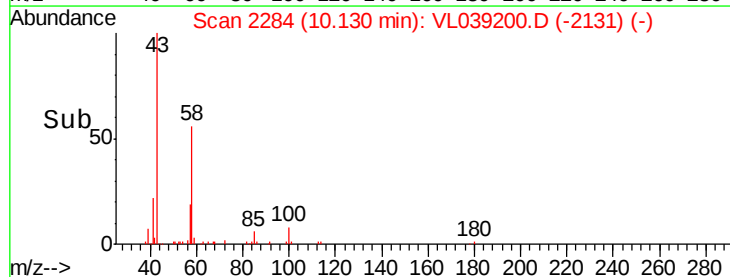
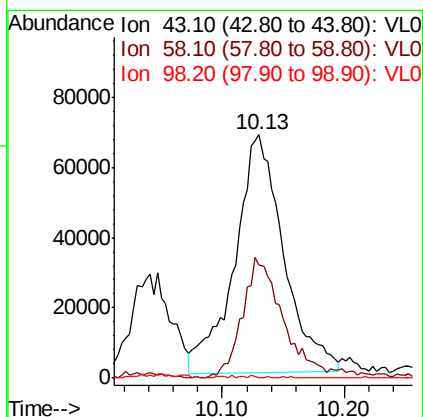
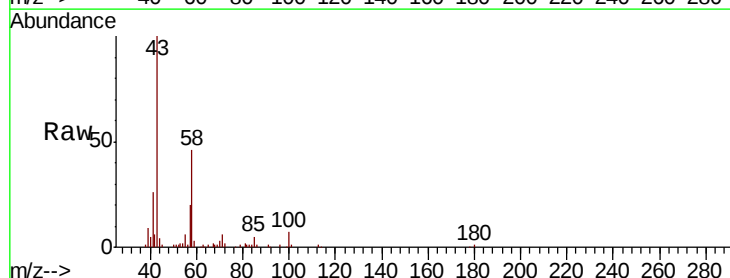
RT: 10.13 min Scan# 2284

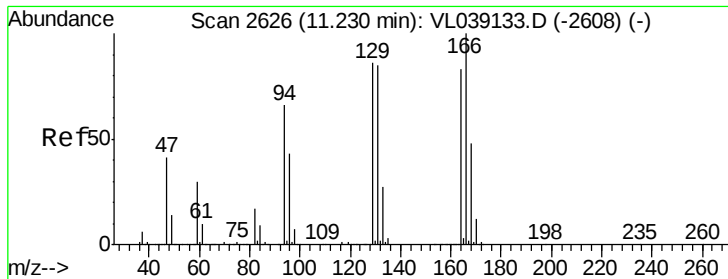
Delta R.T. -0.01 min

Lab File: VL039200.D

Acq: 7 Jun 2022 1:20

Tgt Ion:	43	Resp:	189467
Ion	Ratio	Lower	Upper
43	100		
58	44.1	40.0	60.0
98	0.3	0.1	0.1#





#52

Tetrachloroethene

Concen: 3.020 ppbv

RT: 11.21

Delta R.T. MSVOA_L

Lab File:

Acq: 7 Jun 2022 1:20

Tot Ion:164 Resp: 321051

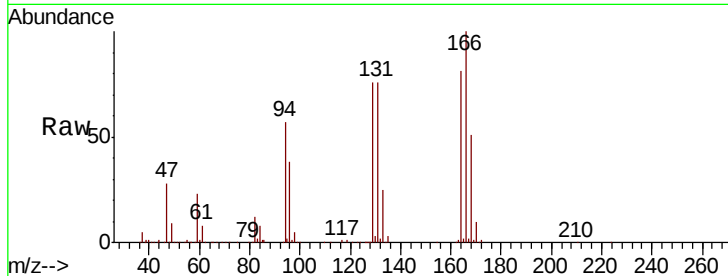
Ion Ratio Lower Upper

164 100

166 123.2 96.3 144.5

129 93.7 82.5 123.7

131 94.0 82.1 123.1

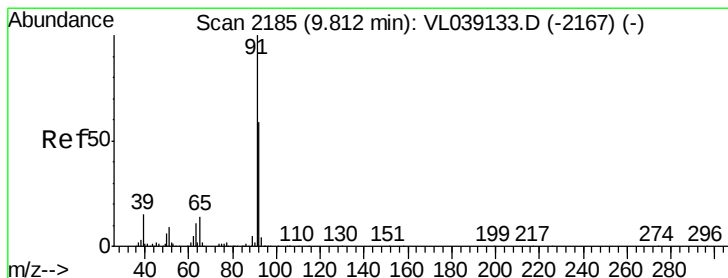
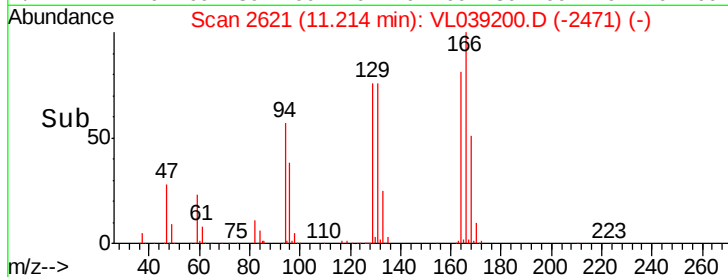
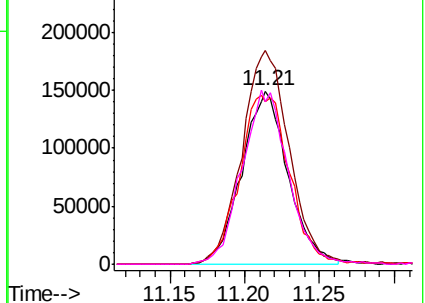


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.887 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.02 min

Lab File: VL039200.D

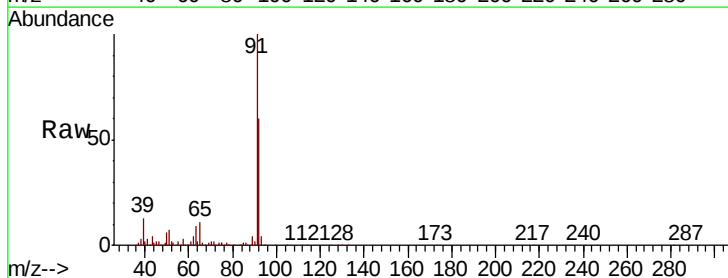
Acq: 7 Jun 2022 1:20

Tgt Ion: 91 Resp: 591570

Ion Ratio Lower Upper

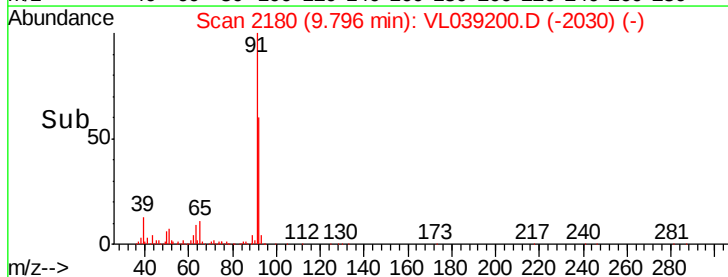
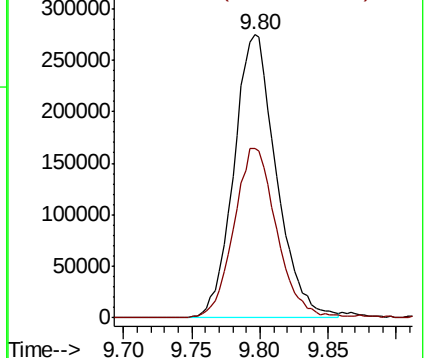
91 100

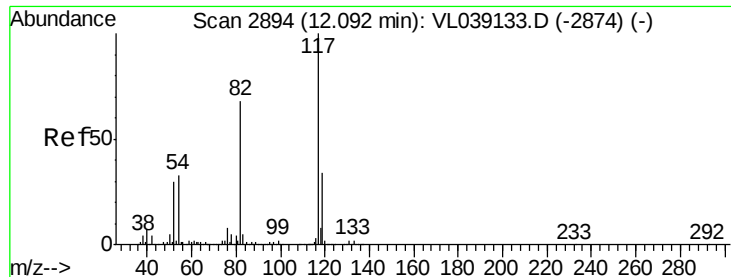
92 61.1 48.1 72.1



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: 12.08 min

Delta R.T. MSVOA_L

Lab File:

Acq: 7 Jun 2022 1:20

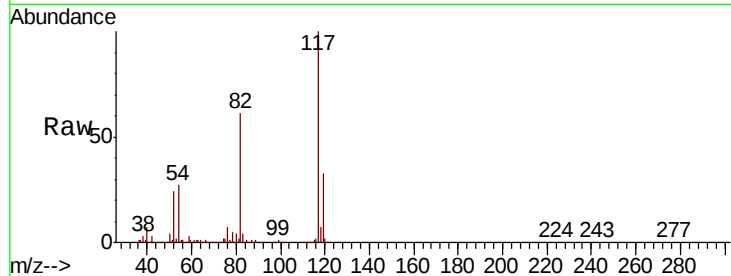
Tot Ion: 117 Resp: 3069497

Ion Ratio Lower Upper

117 100

82 62.4 55.1 82.7

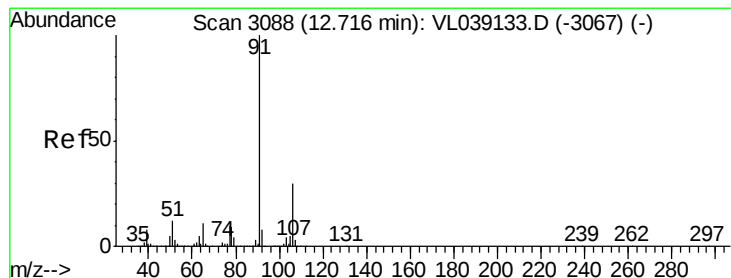
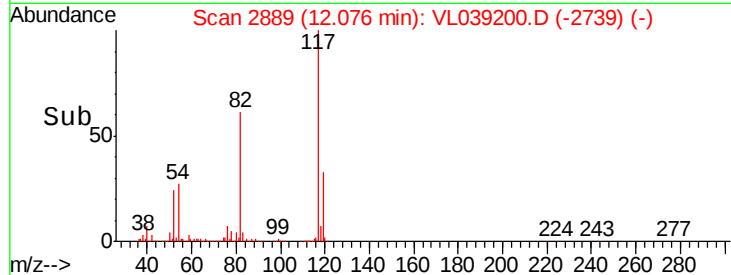
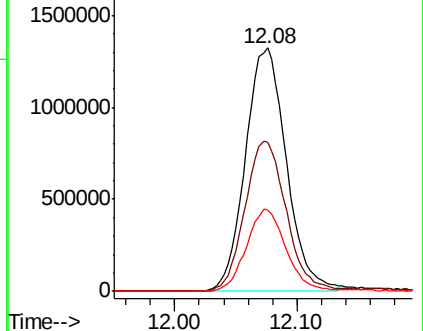
119 33.7 24.7 37.1



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: 1.059 ppbv

RT: 12.70 min Scan# 3083

Delta R.T. -0.02 min

Lab File: VL039200.D

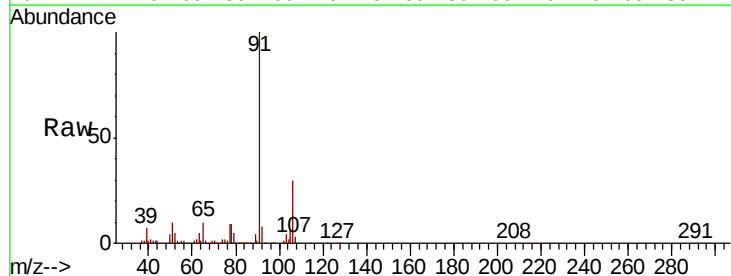
Acq: 7 Jun 2022 1:20

Tgt Ion: 91 Resp: 447571

Ion Ratio Lower Upper

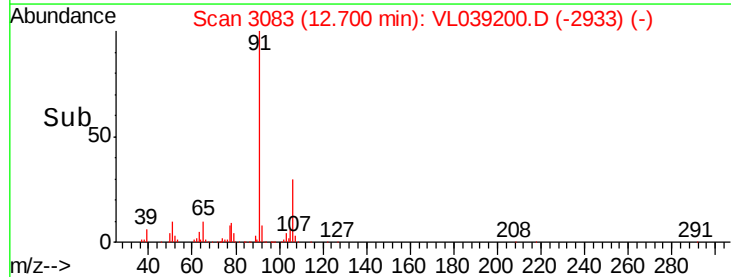
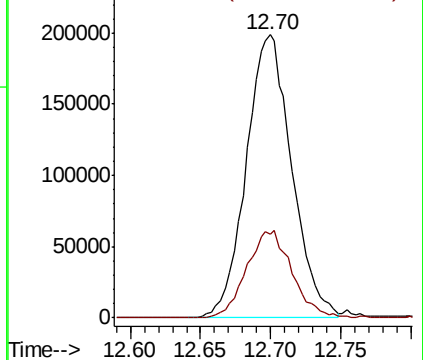
91 100

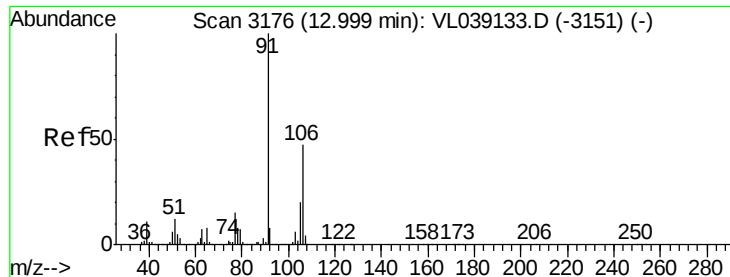
106 29.5 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

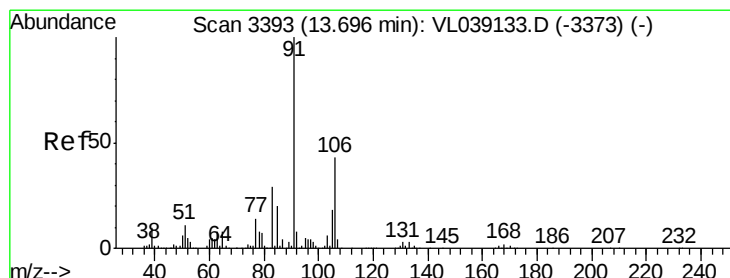
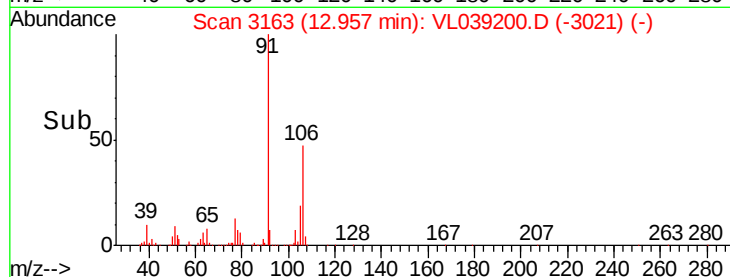
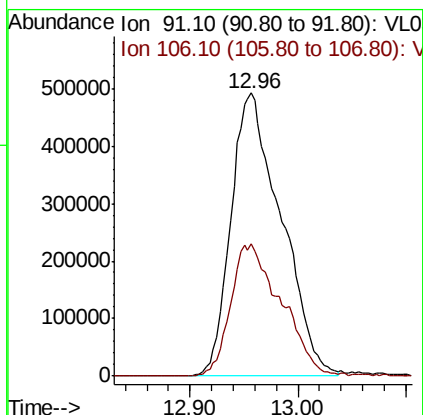
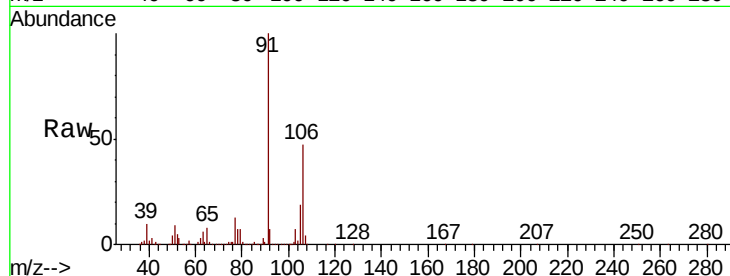
Ion 106.10 (105.80 to 106.80): V





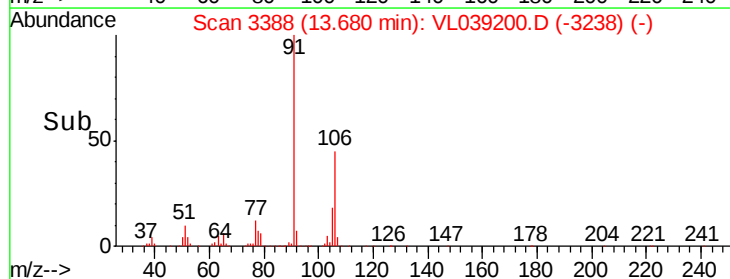
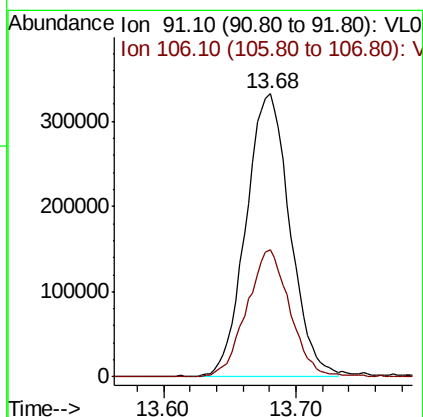
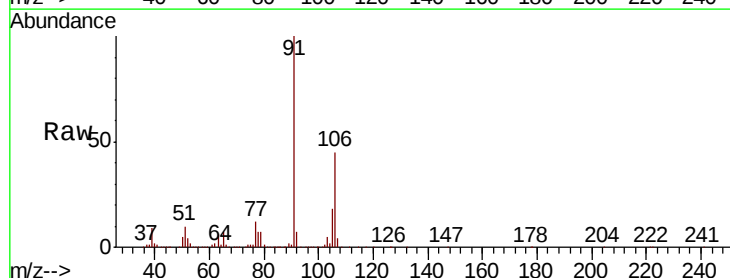
#59
m/p-Xylene
Concen: 4.250 ppbv
RT: 12.96
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Jun 2022 1:20

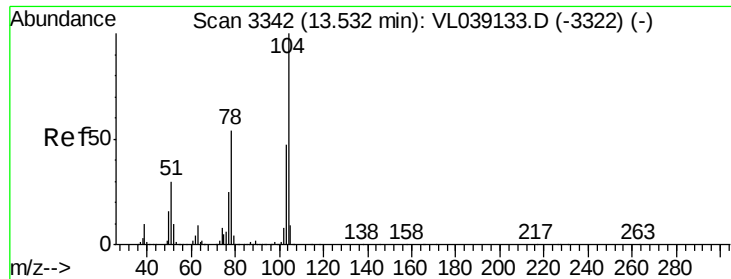
Tot Ion: 91 Resp: 1582429
Ion Ratio Lower Upper
91 100
106 47.3 34.3 51.5



#60
o-Xylene
Concen: 2.182 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.02 min
Lab File: VL039200.D
Acq: 7 Jun 2022 1:20

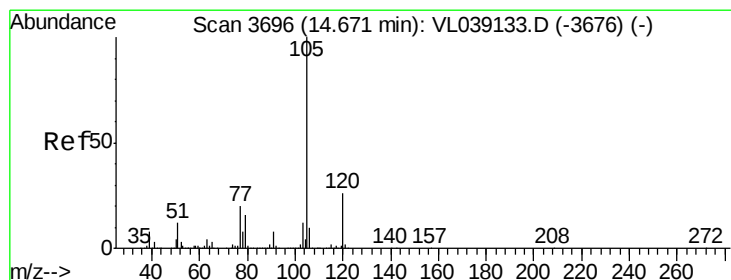
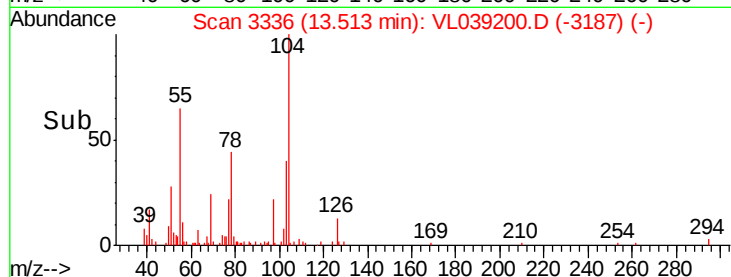
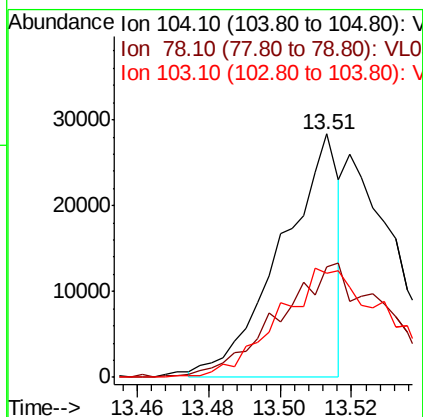
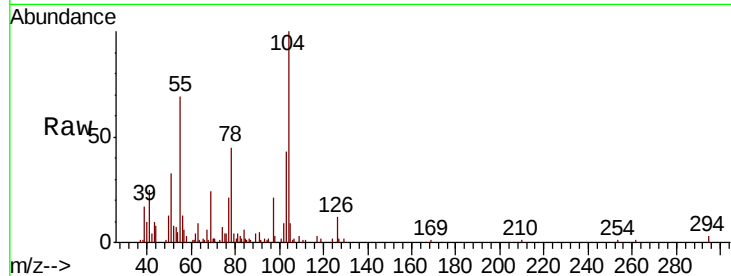
Tgt Ion: 91 Resp: 763474
Ion Ratio Lower Upper
91 100
106 44.5 22.3 66.9





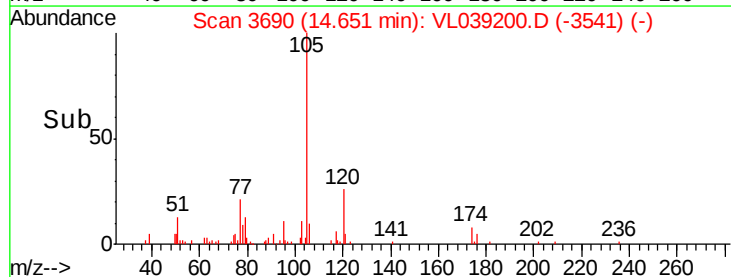
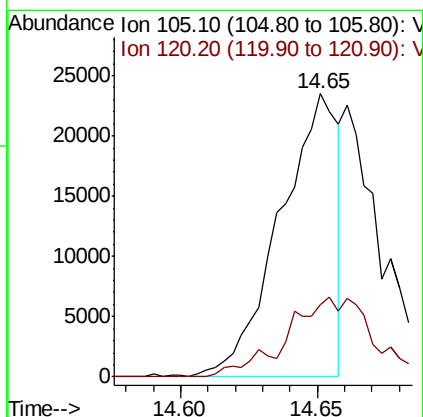
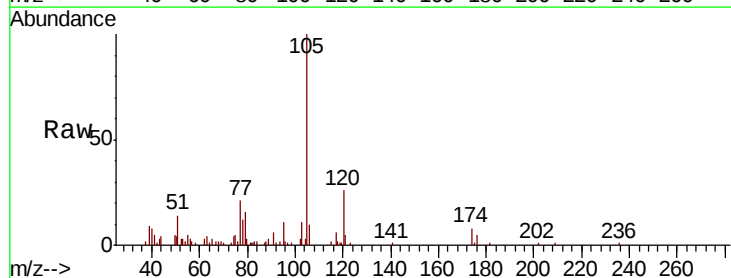
#61
Stvrene
Concen: 0.168 ppbv
RT: 13.51 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 7 Jun 2022 1:20

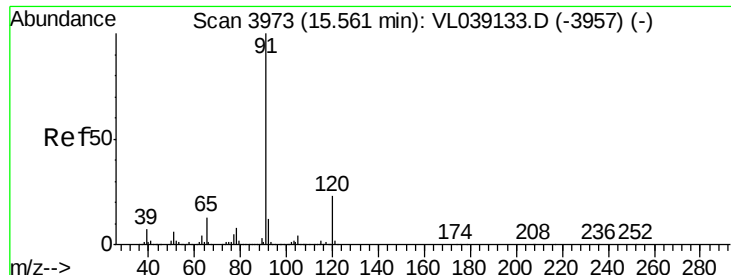
Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	45.7	68.5#
103	87.4	39.6	59.4#



#62
Isopropylbenzene
Concen: 0.066 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. -0.02 min
Lab File: VL039200.D
Acq: 7 Jun 2022 1:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	20.3	30.5#





#64

n-propylbenzene

Concen: 0.255 ppbv

RT: 15.55

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

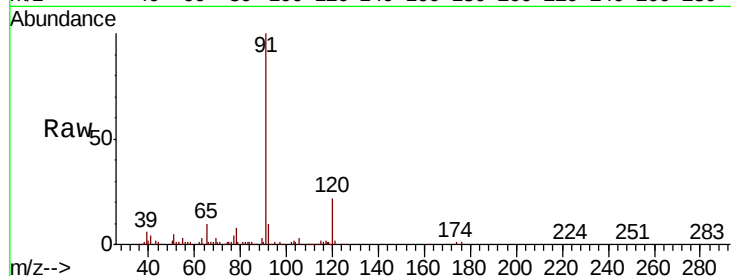
Acq: 7 Jun 2022 1:20

Tot Ion:120 Resp: 32618

Ion Ratio Lower Upper

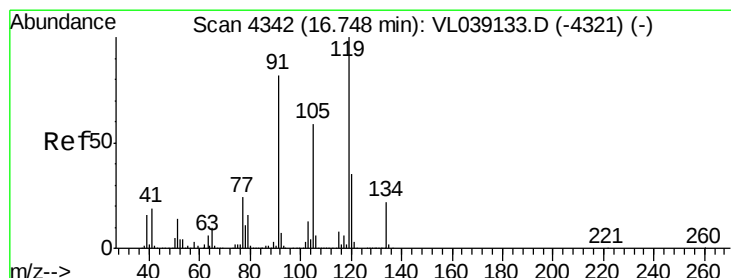
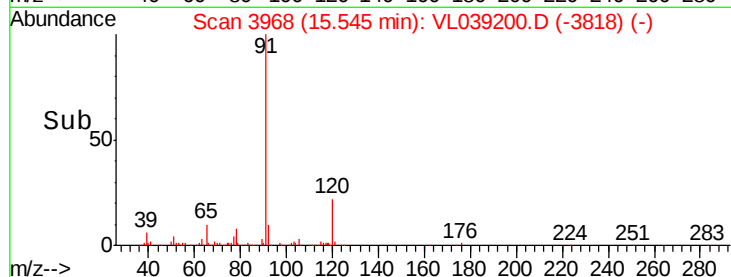
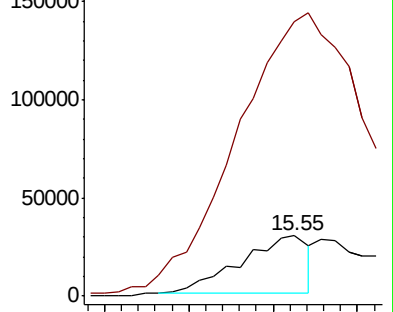
120 100

91 0.0 388.4 582.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.387 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.00 min

Lab File: VL039200.D

Acq: 7 Jun 2022 1:20

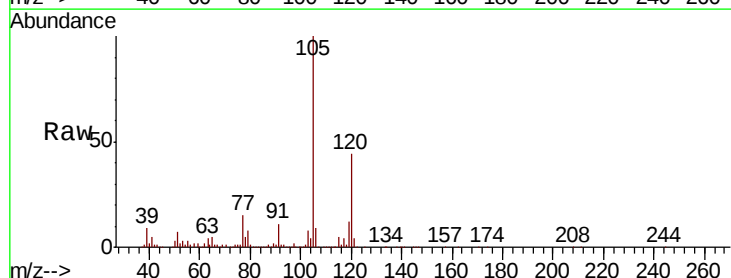
Tgt Ion:119 Resp: 184247

Ion Ratio Lower Upper

119 100

91 101.3 67.1 100.7#

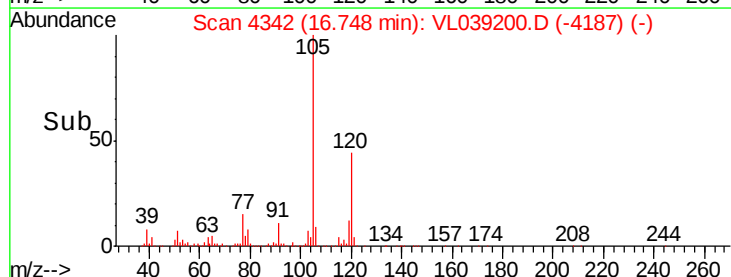
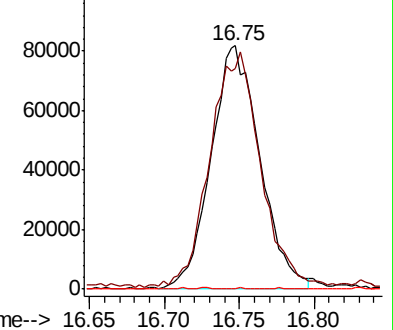
134 0.0 15.8 23.8#

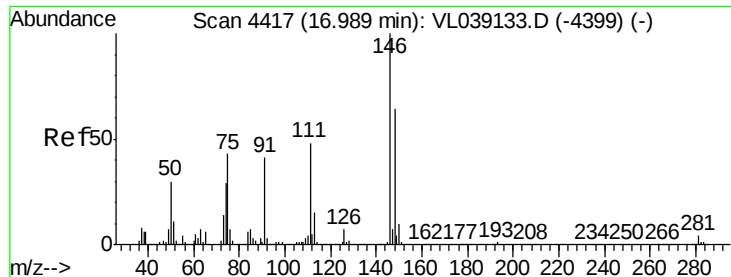


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

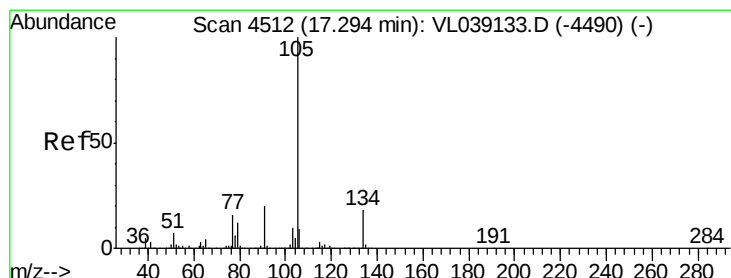
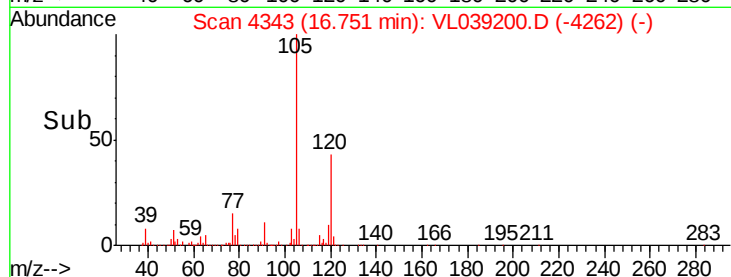
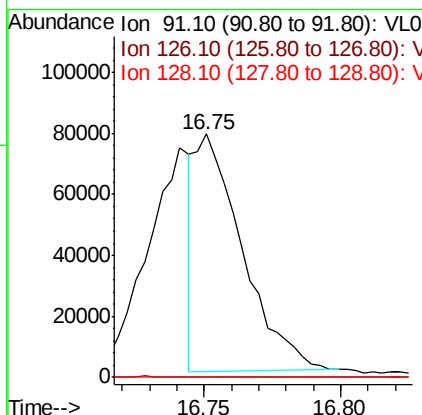
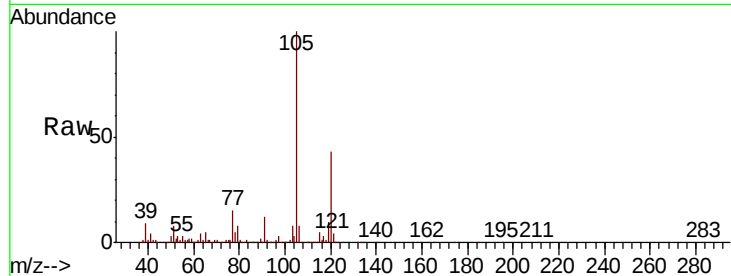
Ion 134.20 (133.90 to 134.90): V





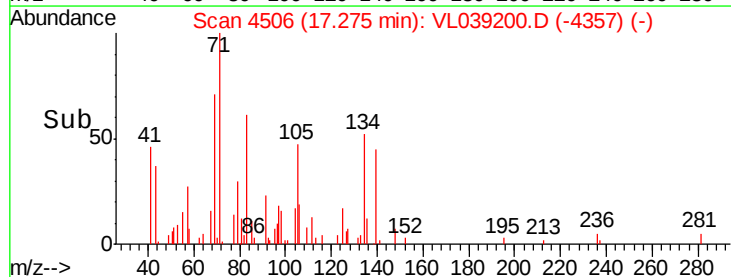
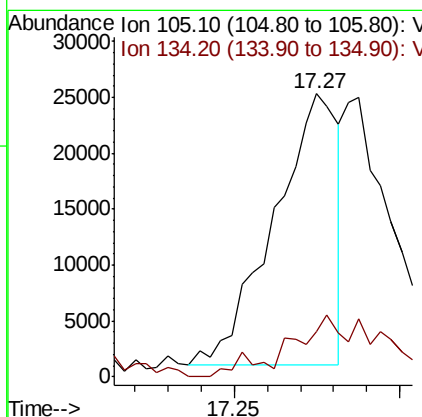
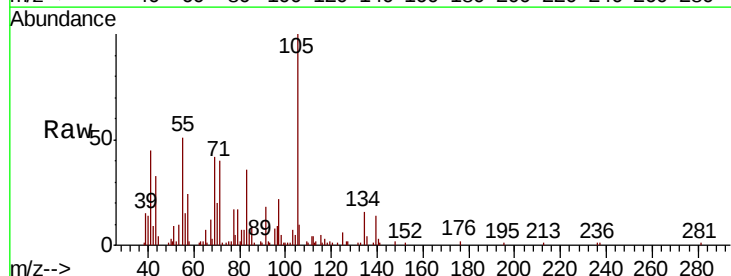
#66
Benzvl Chloride
Concen: 1.508 ppbv
RT: 16.75 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Jun 2022 1:20

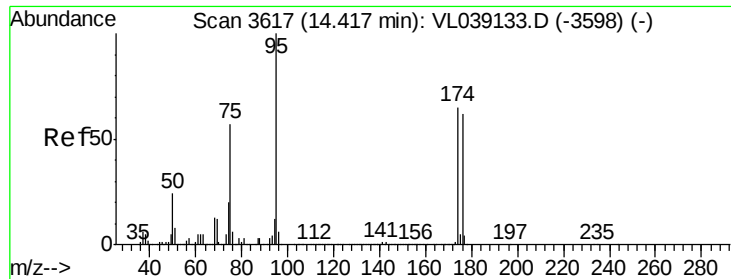
Tot Ion	91	Resp	93231
Ion Ratio	Lower	Upper	
91	100		
126	0.3	13.4	20.0#
128	0.0	4.1	6.1#



#67
sec-Butylbenzene
Concen: 0.050 ppbv
RT: 17.27 min Scan# 4506
Delta R.T. -0.02 min
Lab File: VL039200.D
Acq: 7 Jun 2022 1:20

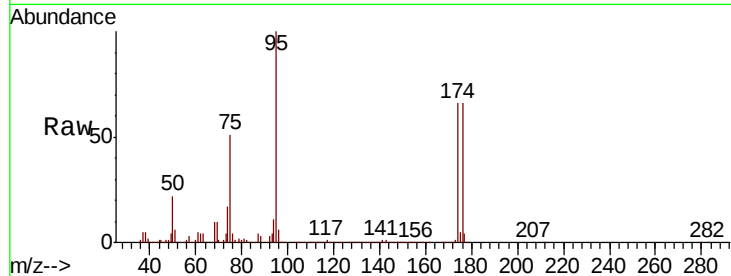
Tgt Ion	105	Resp	32544
Ion Ratio	Lower	Upper	
105	100		
134	34.5	14.4	21.6#



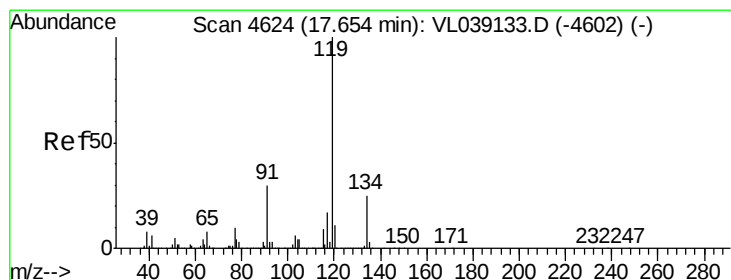
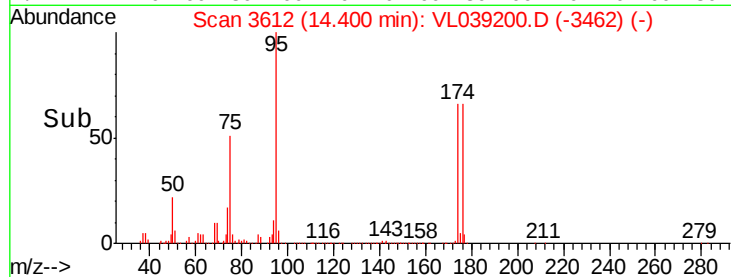
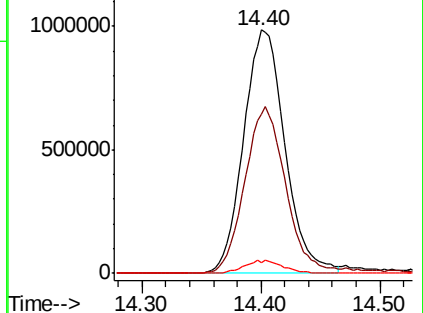


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.366 ppbv
 RT: 14.40 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 1:20

Tot Ion: 95 Resp: 2376861
 Ion Ratio Lower Upper
 95 100
 174 70.0 53.8 80.8
 175 5.0 4.1 6.1

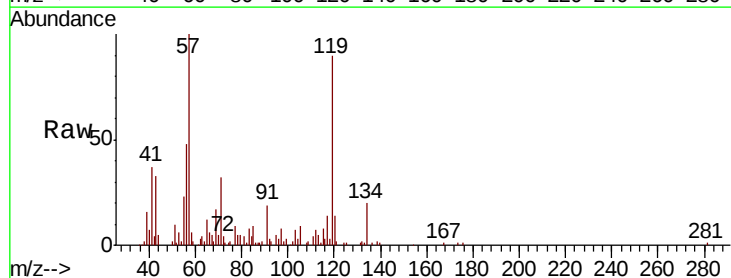


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

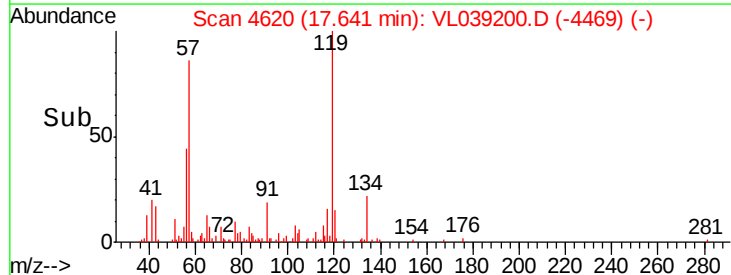
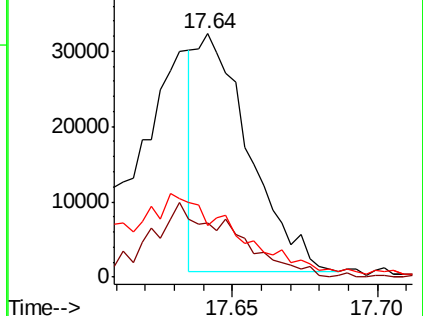


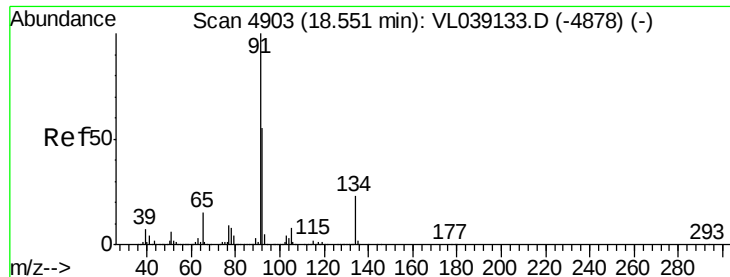
#69
 p-Isopropyltoluene
 Concen: 0.074 ppbv
 RT: 17.64 min Scan# 4620
 Delta R.T. -0.01 min
 Lab File: VL039200.D
 Acq: 7 Jun 2022 1:20

Tgt Ion: 119 Resp: 40393
 Ion Ratio Lower Upper
 119 100
 134 51.4 20.4 30.6#
 91 61.5 24.2 36.4#



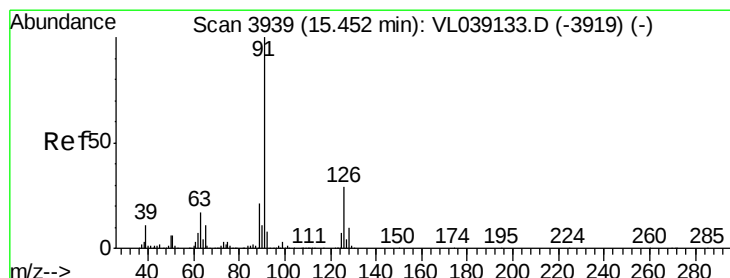
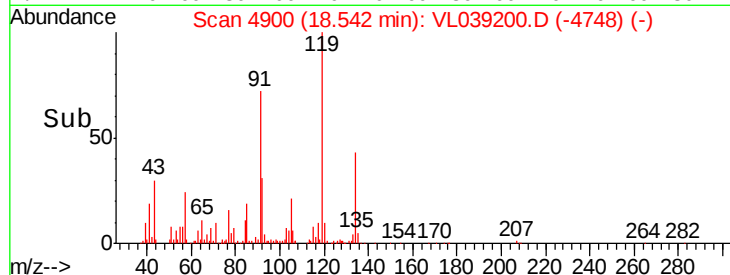
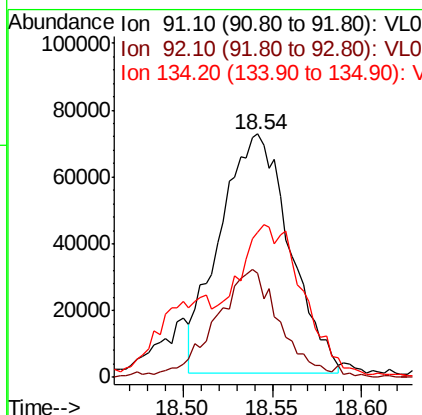
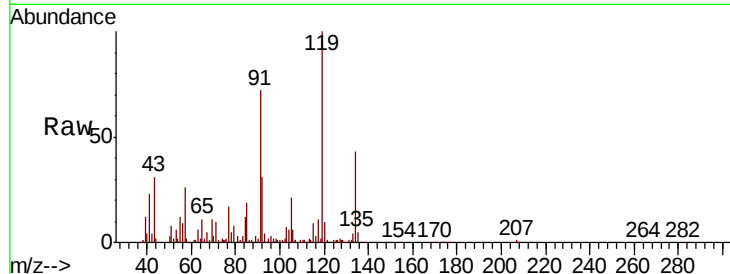
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): VL0





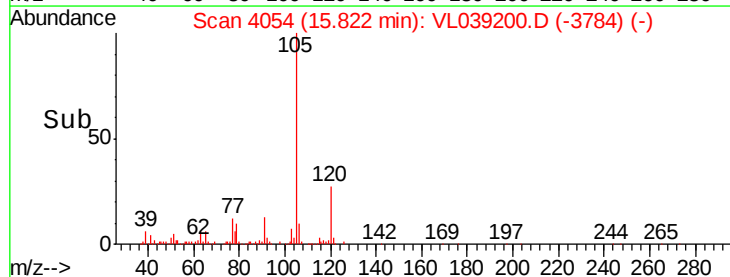
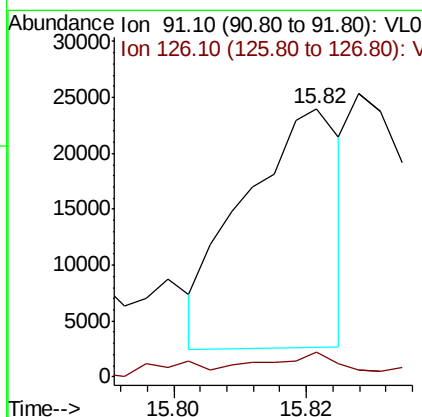
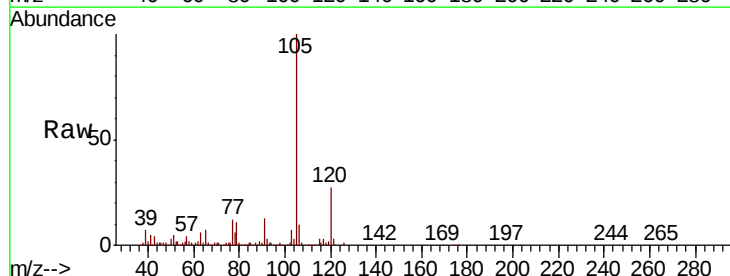
#70
n-Butylbenzene
Concen: 0.348 ppbv
RT: 18.54 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Jun 2022 1:20

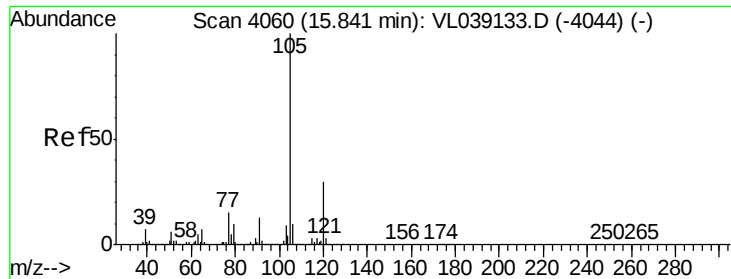
Tot Ion	Ratio	Lower	Upper
91	100		
92	42.8	43.6	65.4#
134	89.1	17.7	26.5#



#71
2-Chlorotoluene
Concen: 0.055 ppbv
RT: 15.82 min Scan# 4054
Delta R.T. 0.37 min
Lab File: VL039200.D
Acq: 7 Jun 2022 1:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.3	12.2	48.6





#72

4-Ethyltoluene

Concen: 1.058 ppbv

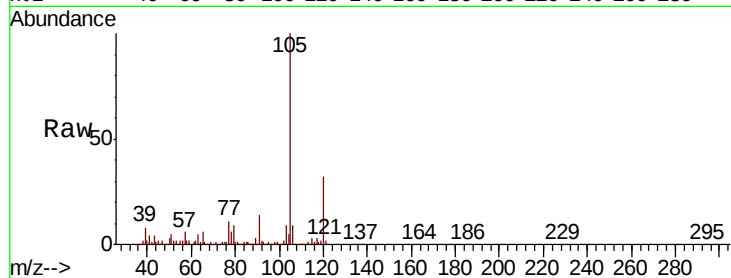
RT: 15.83

Delta R.T. MSVOA_L

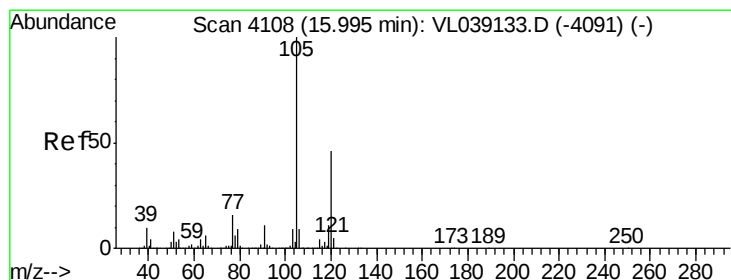
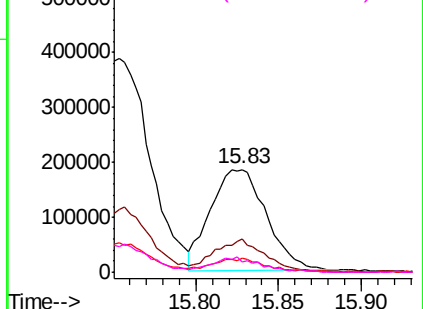
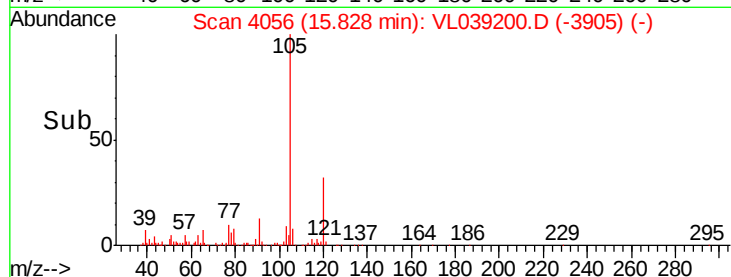
Lab File: ClientSampleId :

Acq: 7 Jun 2022 1:20

Tot Ion:	105	Resp:	433989
Ion	Ratio	Lower	Upper
105	100		
120	30.7	23.9	35.9
91	12.9	10.6	16.0
77	13.3	11.7	17.5



Abundance Ion 105.10 (104.80 to 105.80): V
 600000 Ion 120.20 (119.90 to 120.90): V
 500000 Ion 91.10 (90.80 to 91.80): VL0
 400000 Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 1.095 ppbv

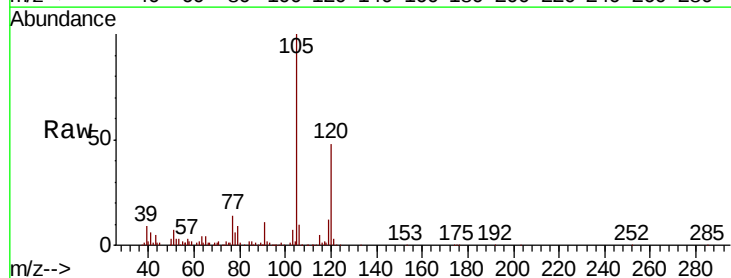
RT: 15.98 min Scan# 4104

Delta R.T. -0.01 min

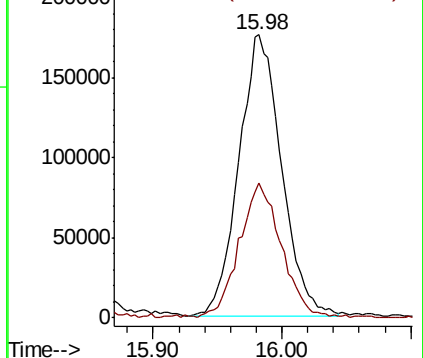
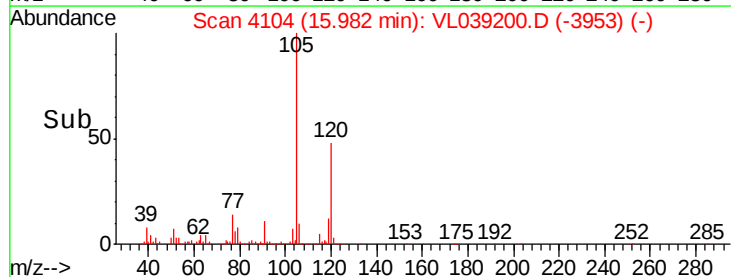
Lab File: VL039200.D

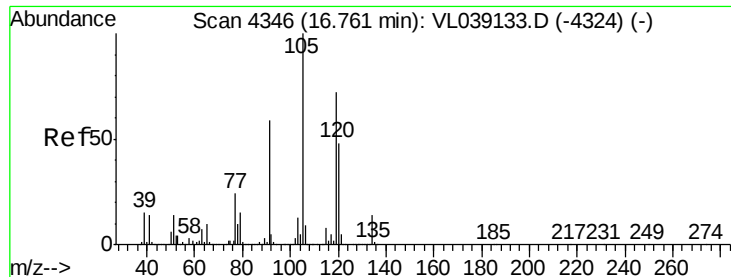
Acq: 7 Jun 2022 1:20

Tgt Ion:	105	Resp:	404891
Ion	Ratio	Lower	Upper
105	100		
120	47.5	36.7	55.1



Abundance Ion 105.10 (104.80 to 105.80): V
 200000 Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 4.024 ppbv

RT: 16.74

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Jun 2022 1:20

Tot Ion:105 Resp: 1660941

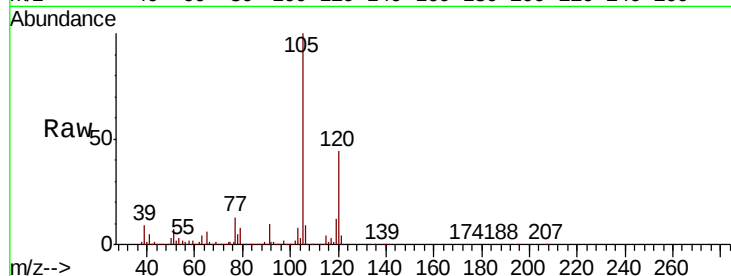
Ion Ratio Lower Upper

105 100

120 43.7 38.1 57.1

91 10.4 47.4 71.0#

77 12.9 19.5 29.3#

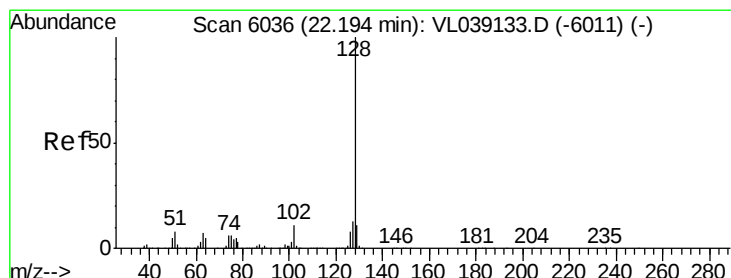
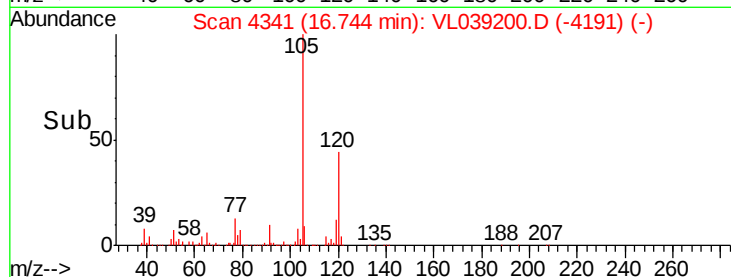
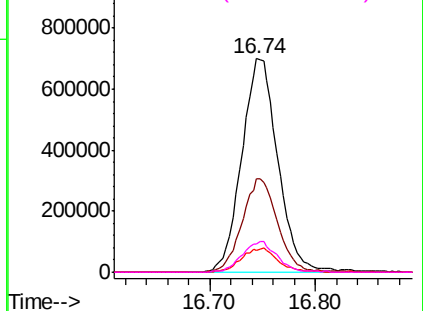


Abundance Ion 105.10 (104.80 to 105.80): V

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



#79

Naphthalene

Concen: 0.300 ppbv

RT: 22.18 min Scan# 6031

Delta R.T. -0.02 min

Lab File: VL039200.D

Acq: 7 Jun 2022 1:20

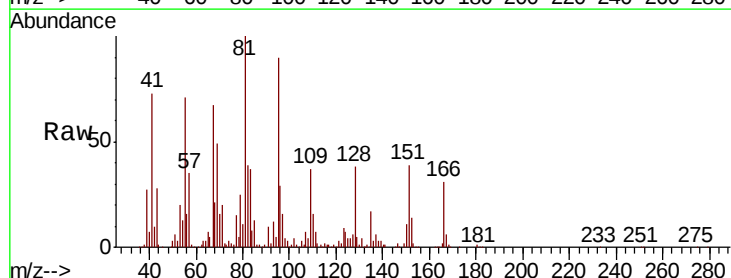
Tgt Ion:128 Resp: 95284

Ion Ratio Lower Upper

128 100

127 12.0 10.4 15.6

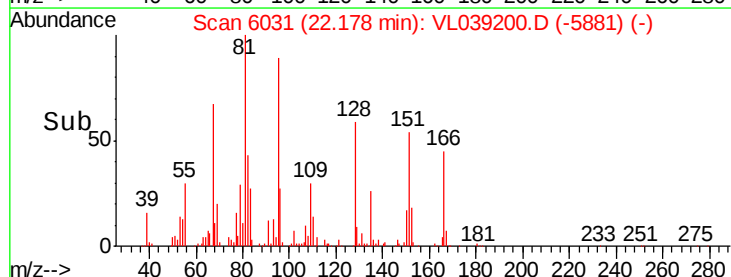
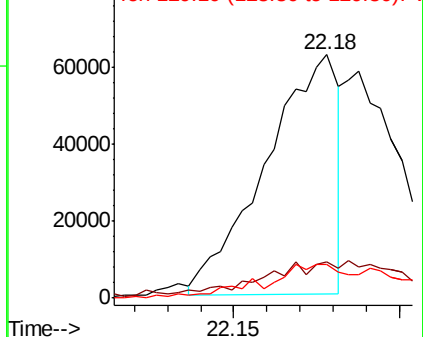
129 13.6 9.0 13.6#

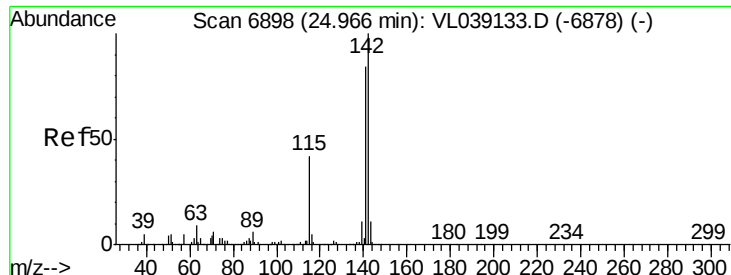


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80
 Naphthalene, 2-methyl-
 Concen: 0.127 ppbv
 RT: 24.96
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 1:20

Tot Ion:	142	Resp:	14981
Ion Ratio	Lower	Upper	
142	100		
141	118.3	64.6	96.8#
115	80.1	32.7	49.1#

