

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061422\
 Data File : VL039291.D
 Acq On : 15 Jun 2022 9:07
 Operator : SY/AP
 Sample : N3306-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SS-1

Quant Time: Jun 16 01:14:09 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	1352107	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	3650863	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	3312180	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.40	95	2663916	9.73	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	56644	0.239	ppbv	98
3) Chlorodifluoromethane	2.96	51	127448	0.741	ppbv #	70
4) Chloromethane	3.14	50	15138	0.171	ppbv	94
7) Chloroethane	3.55	64	1844	0.064	ppbv	92
9) Propene	3.01	41	133384	1.778	ppbv	88
10) Heptane	8.10	43	5412	0.031	ppbv #	1
11) Trichlorofluoromethane	3.94	101	42209	0.196	ppbv #	75
13) Ethanol	3.61	45	236420	57.790	ppbv #	100
15) Acetone	3.84	43	2761697	19.608	ppbv	94
16) 1,3-Butadiene	3.30	39	113801	1.503	ppbv #	23
19) Isopropyl Alcohol	3.97	45	283527	4.292	ppbv #	1
20) Methylene Chloride	4.34	84	628215	10.584	ppbv	94
21) Allyl Chloride	4.36	41	10304	0.108	ppbv #	1
23) Vinyl Acetate	5.06	43	13740	0.118	ppbv #	72
25) Ethyl Acetate	5.68	43	370363	1.167	ppbv #	77
26) Hexane	5.68	57	509661	3.653	ppbv #	38
27) Carbon Disulfide	4.54	76	22399	0.155	ppbv #	42
34) 2-Butanone	5.24	43	320960	1.618	ppbv	98
35) Carbon Tetrachloride	7.01	117	8679	0.033	ppbv #	66
36) Benzene	6.88	78	81181	0.274	ppbv	93
39) 1,2-Dichloropropane	7.17	63	904378	7.671	ppbv #	23
41) Tetrahydrofuran	6.05	42	13166	0.110	ppbv #	63
44) 2,2,4-Trimethylpentane	7.86	57	27638	0.053	ppbv #	57
51) 2-Hexanone	10.12	43	10887	0.047	ppbv #	28
52) Tetrachloroethene	11.21	164	125697	1.086	ppbv	91
53) Toluene	9.79	91	399469	1.170	ppbv	99
58) Ethyl Benzene	12.70	91	275812	0.605	ppbv	91
59) m/p-Xylene	12.96	91	906227	2.256	ppbv	93
60) o-Xylene	13.68	91	480955	1.274	ppbv	99
61) Styrene	13.52	104	67861	0.336	ppbv	94
62) Isopropylbenzene	14.66	105	23922	0.043	ppbv #	66
64) n-propylbenzene	15.54	120	15662	0.114	ppbv #	1
65) tert-Butylbenzene	16.75	119	126730	0.247	ppbv #	61
66) Benzyl Chloride	16.75	91	52160	0.782	ppbv #	67
69) p-Isopropyltoluene	17.64	119	50824	0.086	ppbv	94
70) n-Butylbenzene	18.54	91	64309	0.106	ppbv #	66
71) 2-Chlorotoluene	15.82	91	19333	0.045	ppbv	96
72) 4-Ethyltoluene	15.82	105	130820	0.296	ppbv #	52
73) 1,3,5-Trimethylbenzene	15.98	105	336466	0.843	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	1195582	2.685	ppbv #	64
79) Naphthalene	22.17	128	84284	0.246	ppbv #	90

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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

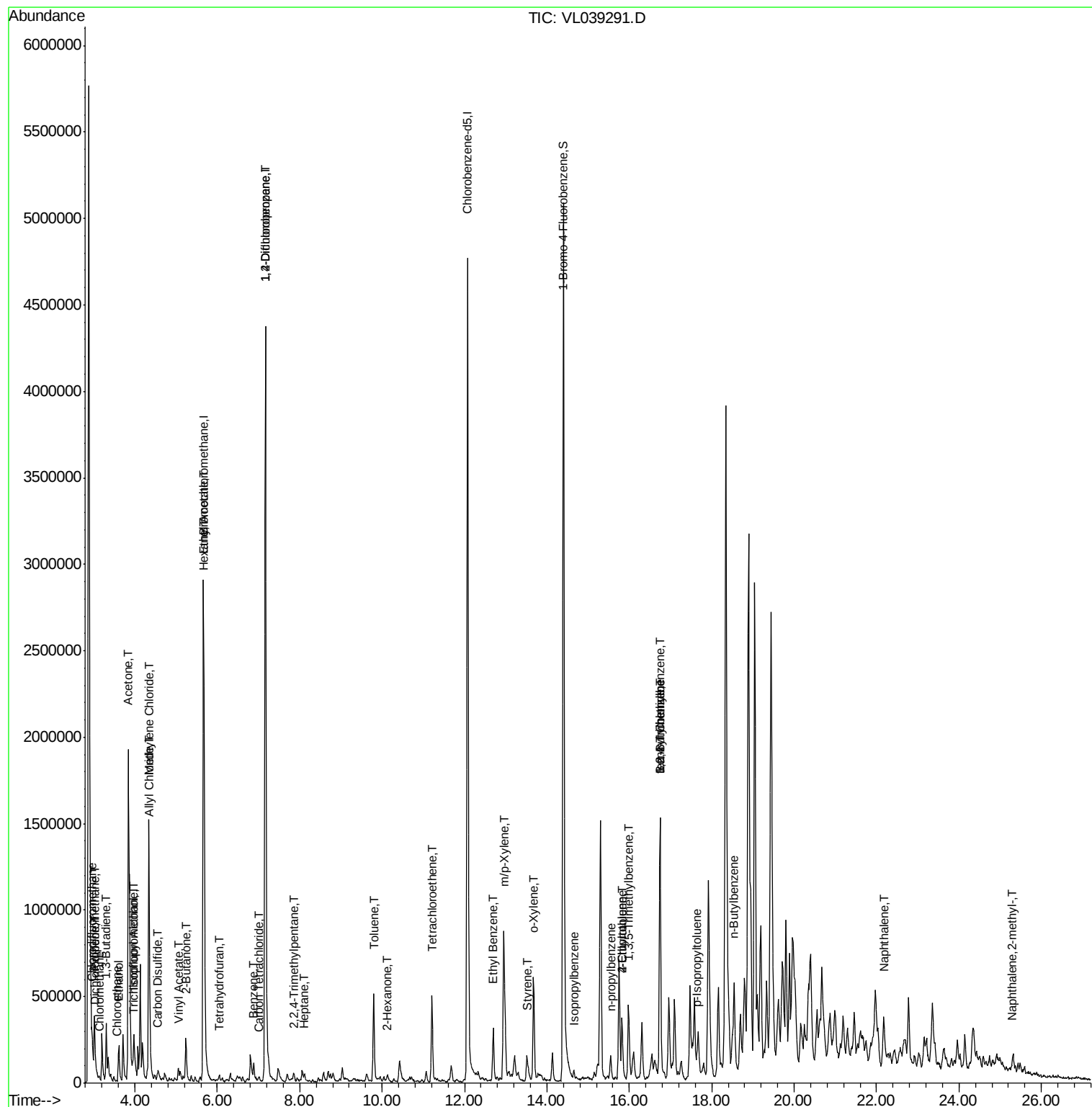
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	25.28	142	18105	0.142	ppbv	88

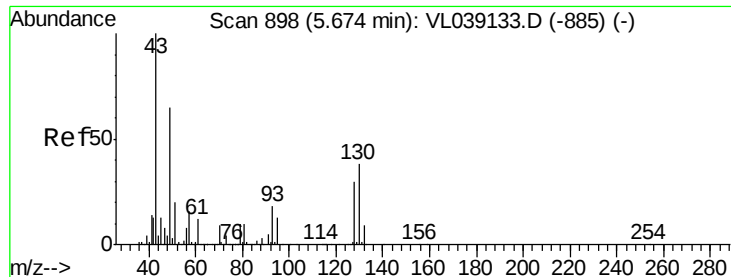
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SS-1

Acq: 15 Jun 2022 9:07

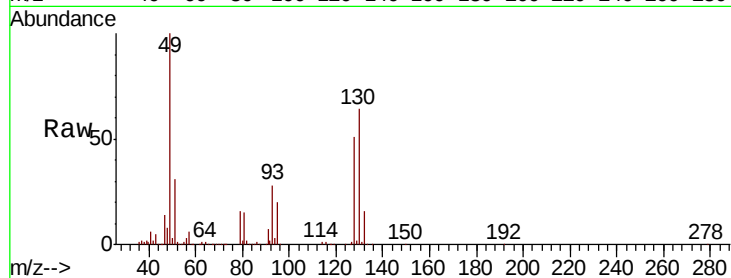
Tot Ion: 49 Resp: 1352107

Ion Ratio Lower Upper

49 100

128 51.8 24.7 74.1

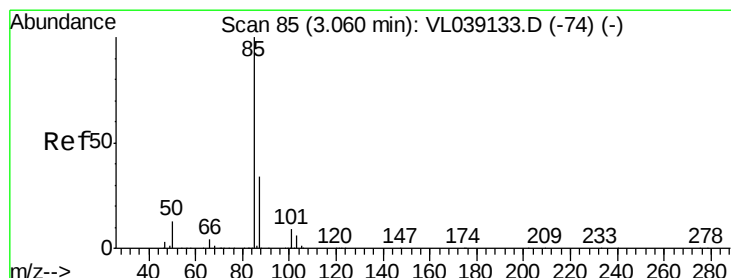
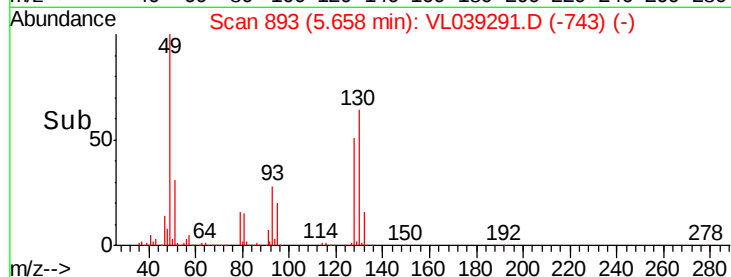
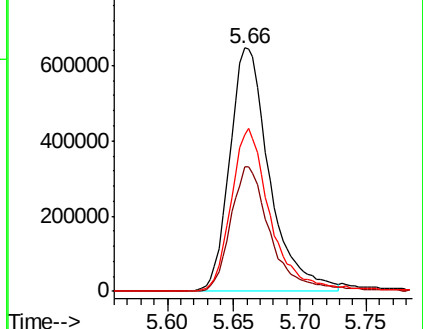
130 67.6 31.4 94.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.239 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.02 min

Lab File: VL039291.D

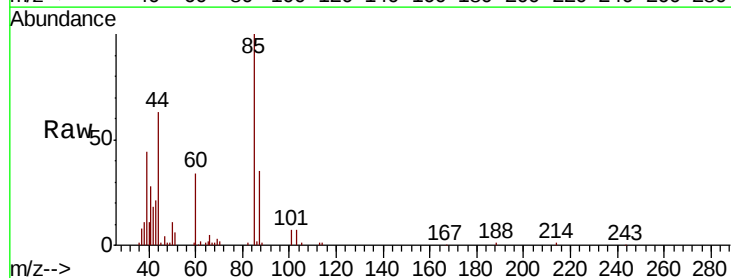
Acq: 15 Jun 2022 9:07

Tgt Ion: 85 Resp: 56644

Ion Ratio Lower Upper

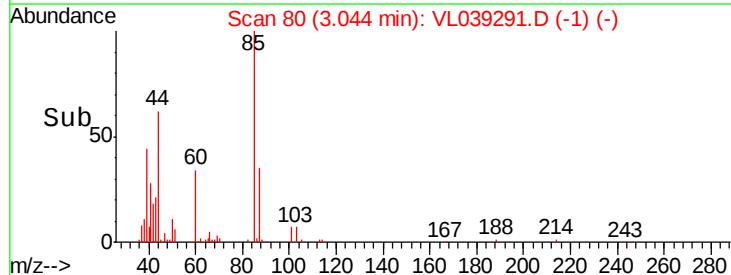
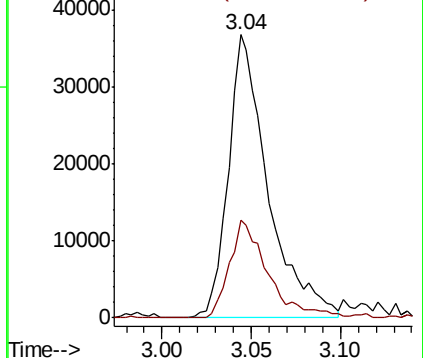
85 100

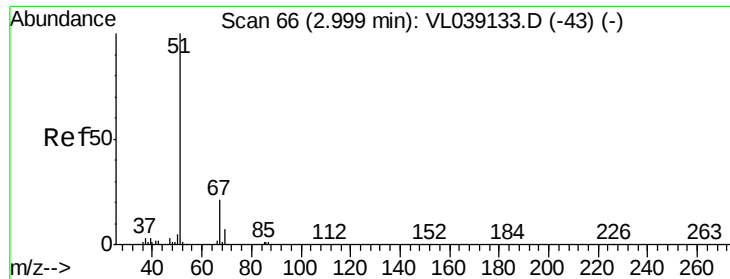
87 34.6 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.741 ppbv

RT: 2.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

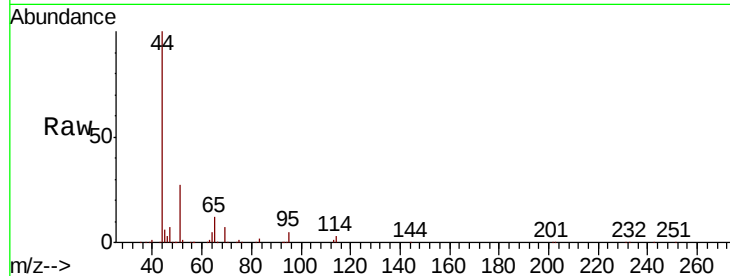
Acq: 15 Jun 2022 9:07

Tot Ion: 51 Resp: 127448

Ion Ratio Lower Upper

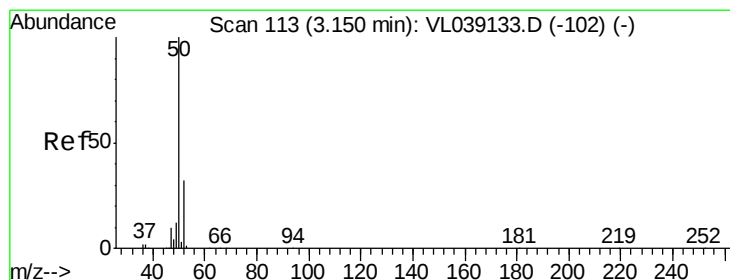
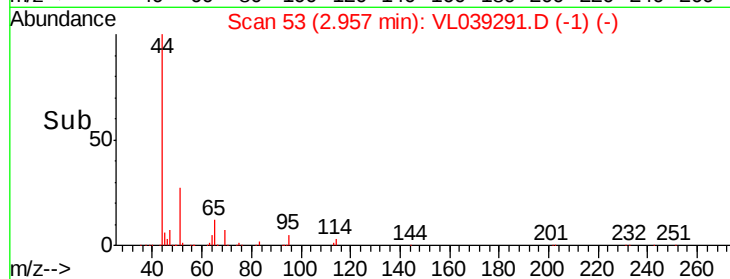
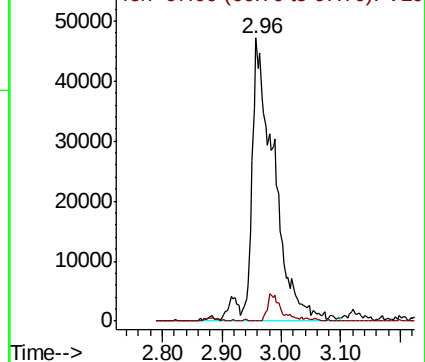
51 100

67 6.3 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: 0.171 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.01 min

Lab File: VL039291.D

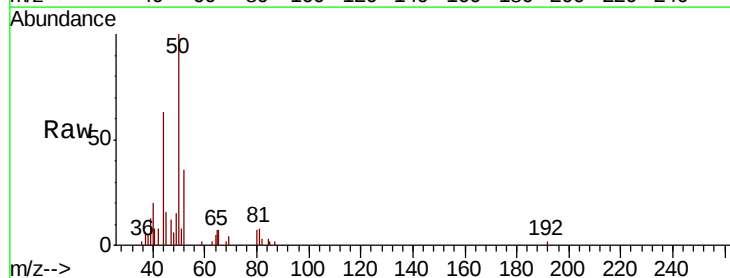
Acq: 15 Jun 2022 9:07

Tgt Ion: 50 Resp: 15138

Ion Ratio Lower Upper

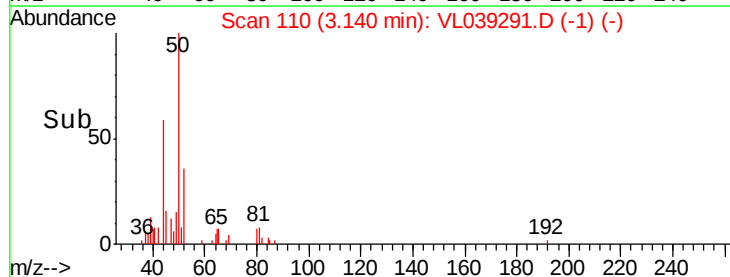
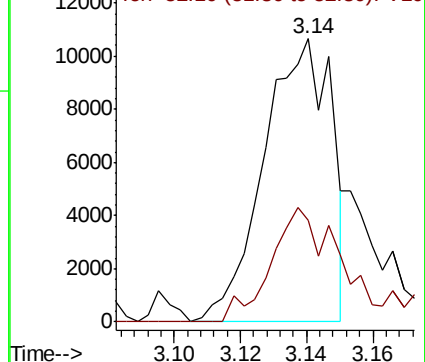
50 100

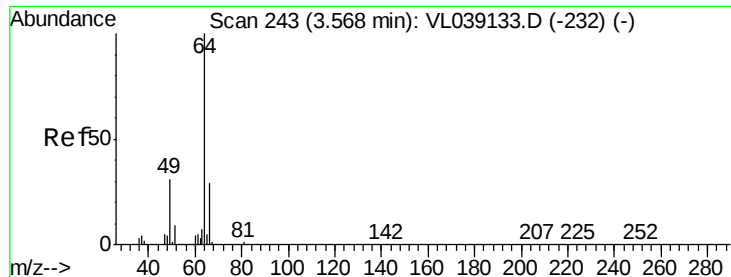
52 35.9 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.064 ppbv

RT: 3.55 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SS-1

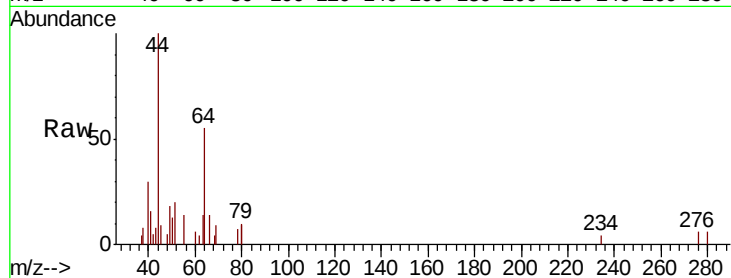
Acq: 15 Jun 2022 9:07

Tot Ion: 64 Resp: 1844

Ion Ratio Lower Upper

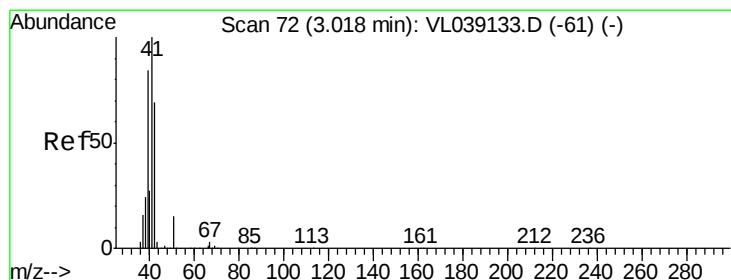
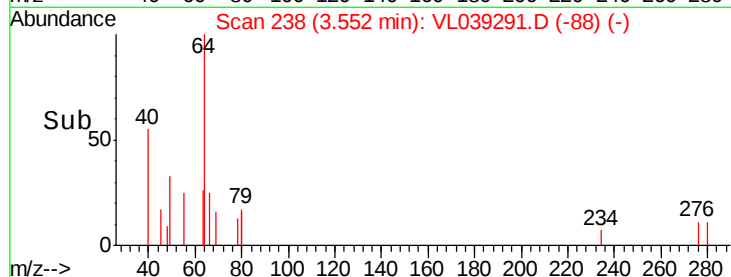
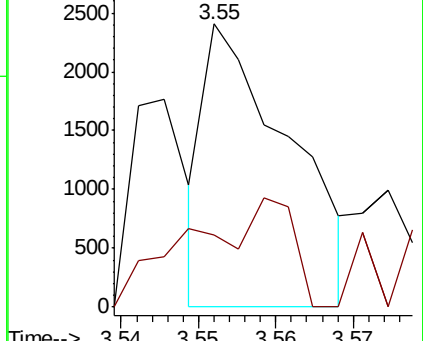
64 100

66 25.3 23.6 35.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 1.778 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.01 min

Lab File: VL039291.D

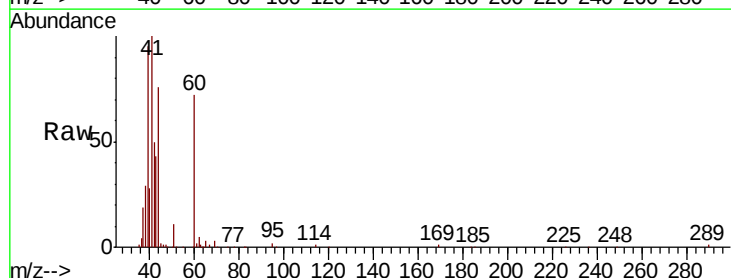
Acq: 15 Jun 2022 9:07

Tgt Ion: 41 Resp: 133384

Ion Ratio Lower Upper

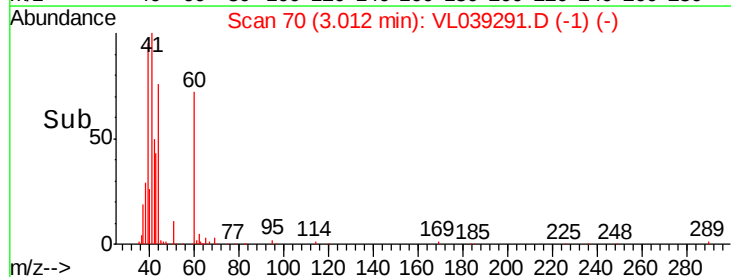
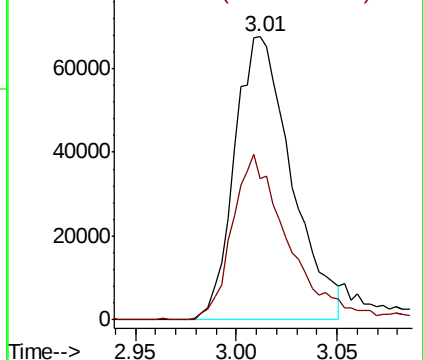
41 100

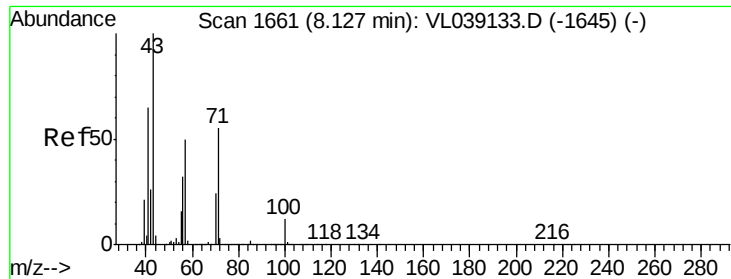
42 59.2 55.4 83.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

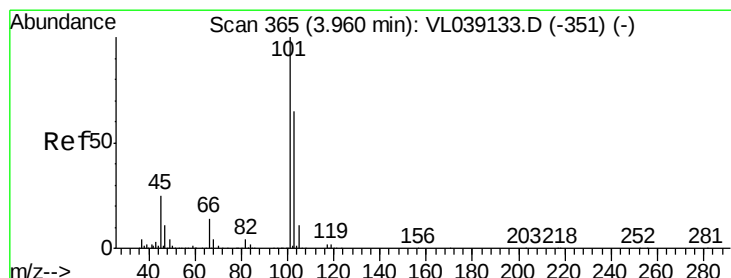
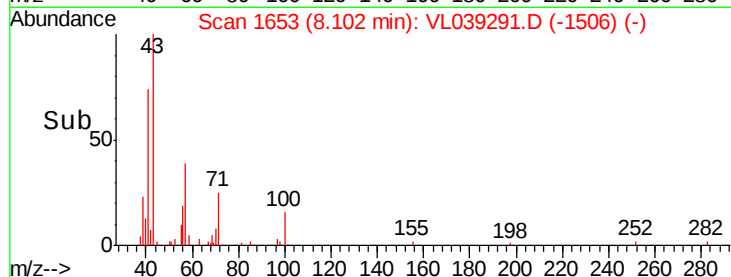
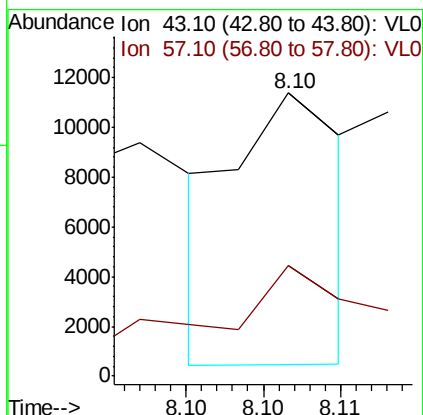
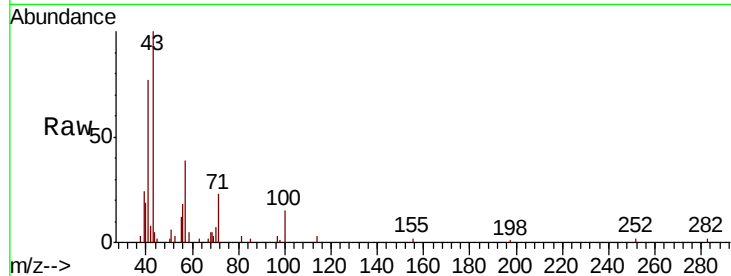
Ion 42.10 (41.80 to 42.80): VL0





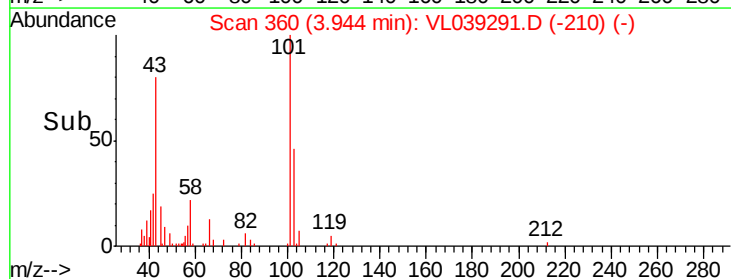
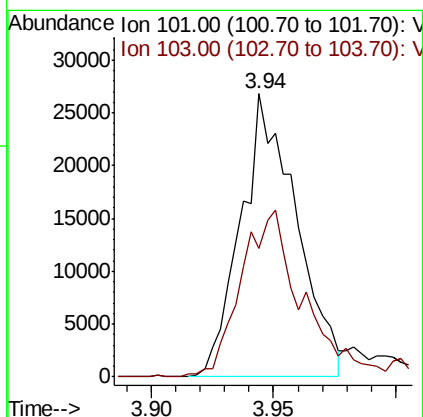
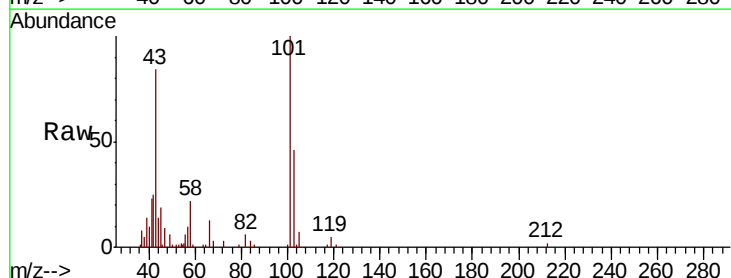
#10
 Heptane
 Concen: 0.031 ppbv
 RT: 8.10
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Jun 2022 9:07

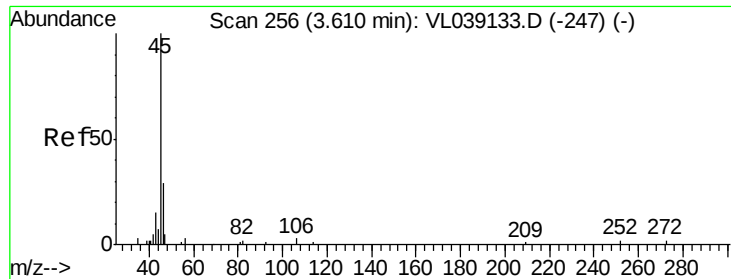
Tot Ion: 43 Resp: 5412
 Ion Ratio Lower Upper
 43 100
 57 177.4 41.4 62.2#



#11
 Trichlorofluoromethane
 Concen: 0.196 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.02 min
 Lab File: VL039291.D
 Acq: 15 Jun 2022 9:07

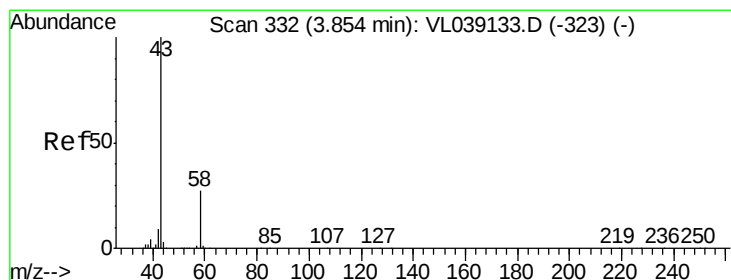
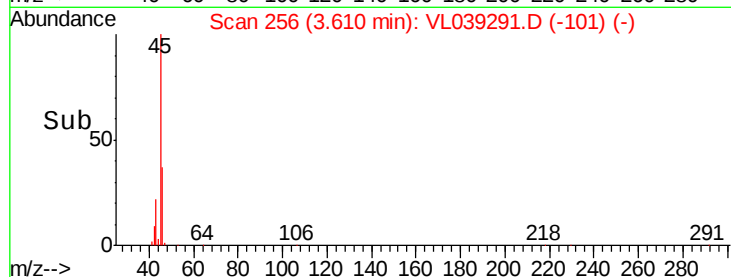
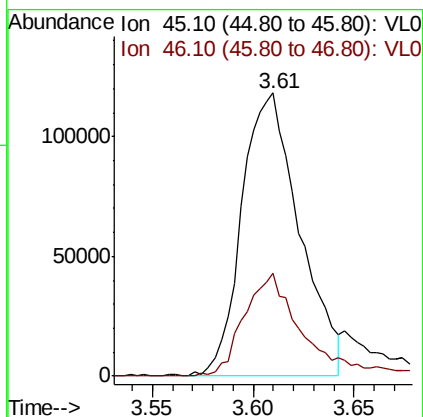
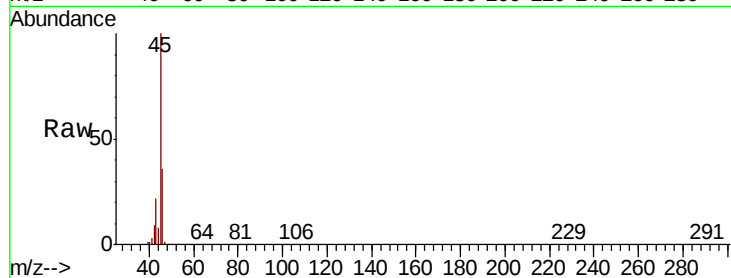
Tgt Ion: 101 Resp: 42209
 Ion Ratio Lower Upper
 101 100
 103 44.6 51.7 77.5#





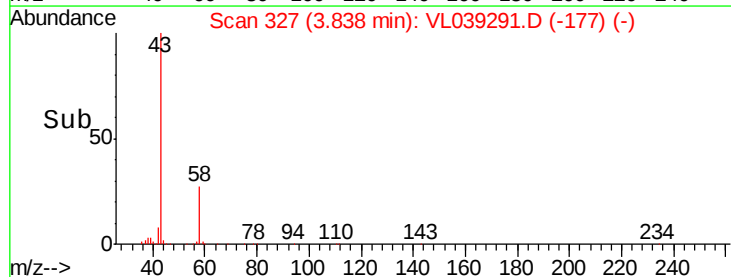
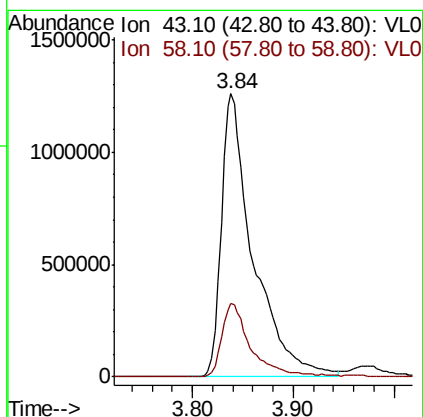
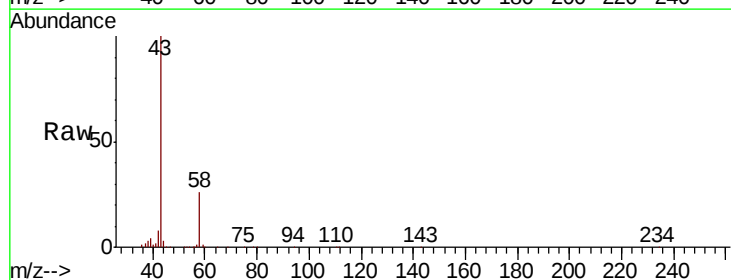
#13
 Ethanol
 Concen: 57.790 ppbv
 RT: 3.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SS-1
 Acq: 15 Jun 2022 9:07

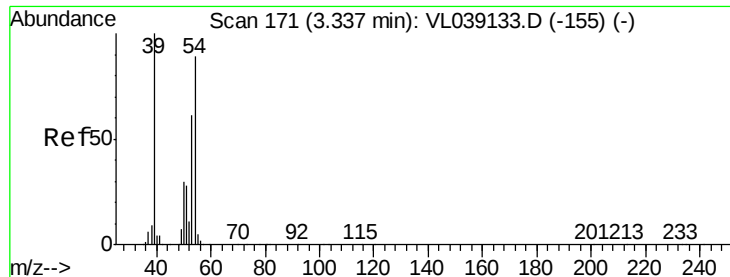
Tot Ion: 45 Resp: 236420
 Ion Ratio Lower Upper
 45 100
 46 38.3 0.0 0.0#



#15
 Acetone
 Concen: 19.608 ppbv
 RT: 3.84 min Scan# 327
 Delta R.T. -0.02 min
 Lab File: VL039291.D
 Acq: 15 Jun 2022 9:07

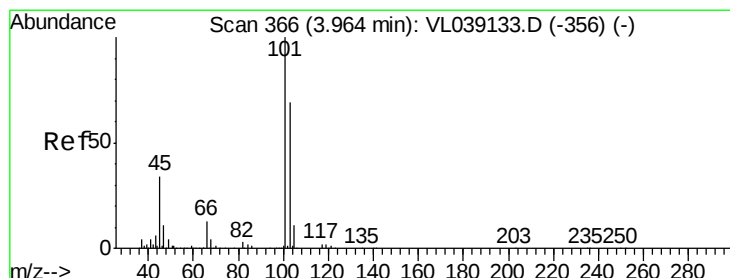
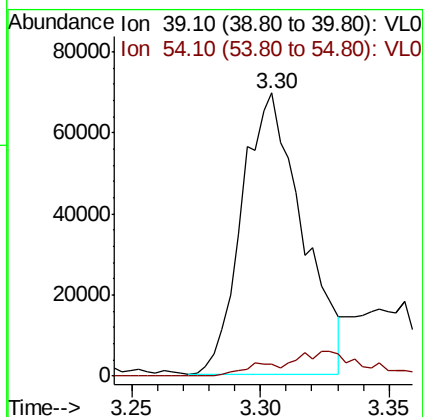
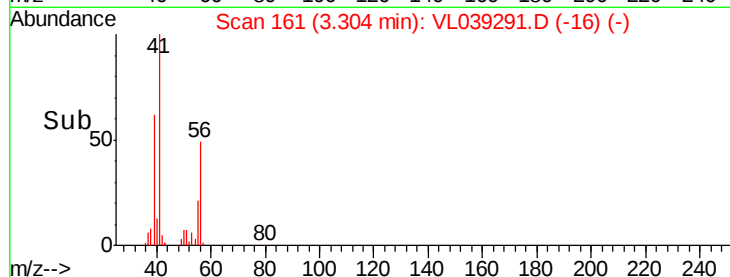
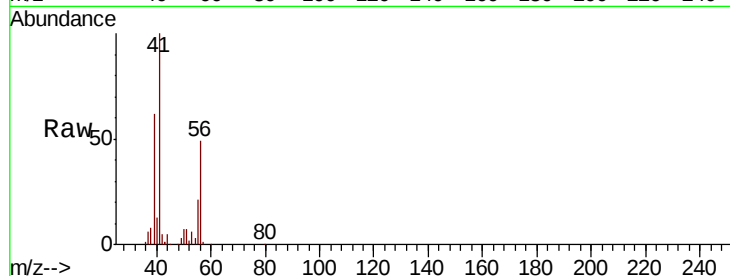
Tgt Ion: 43 Resp: 2761697
 Ion Ratio Lower Upper
 43 100
 58 24.8 22.5 33.7





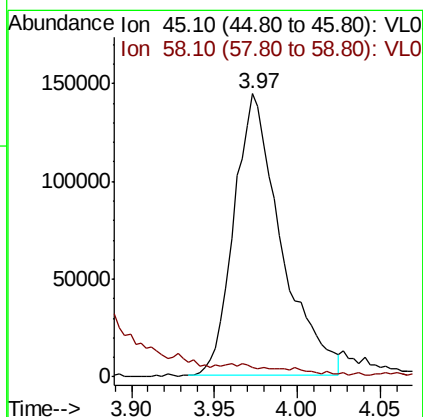
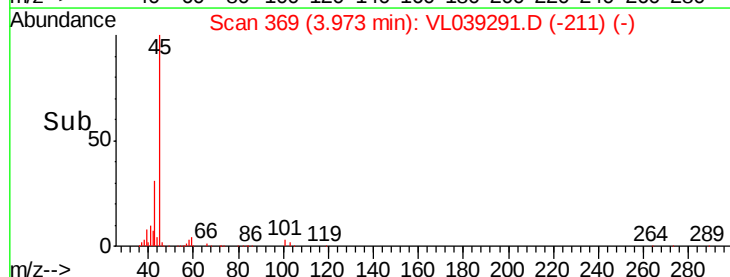
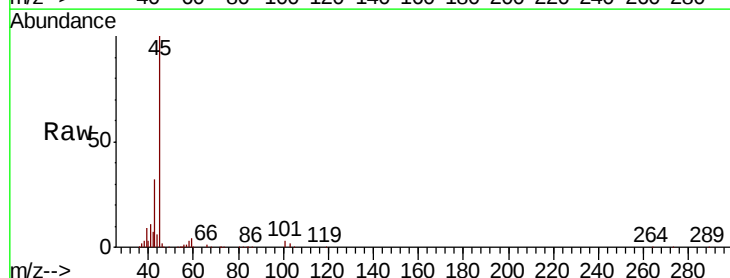
#16
1,3-Butadiene
Concen: 1.503 ppbv
RT: 3.30
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Jun 2022 9:07

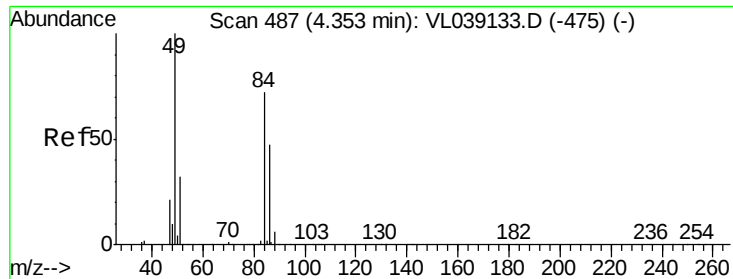
Tot Ion: 39 Resp: 113801
Ion Ratio Lower Upper
39 100
54 12.8 65.8 98.6#



#19
Isopropyl Alcohol
Concen: 4.292 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.01 min
Lab File: VL039291.D
Acq: 15 Jun 2022 9:07

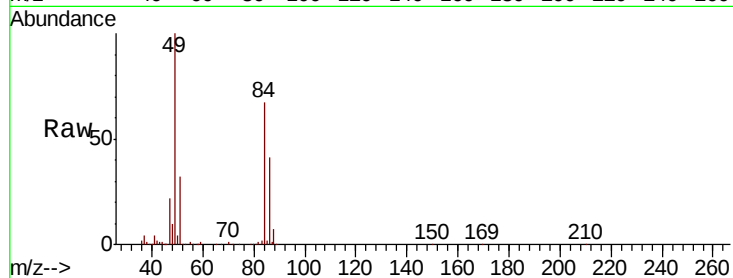
Tgt Ion: 45 Resp: 283527
Ion Ratio Lower Upper
45 100
58 242.0 1.8 2.8#



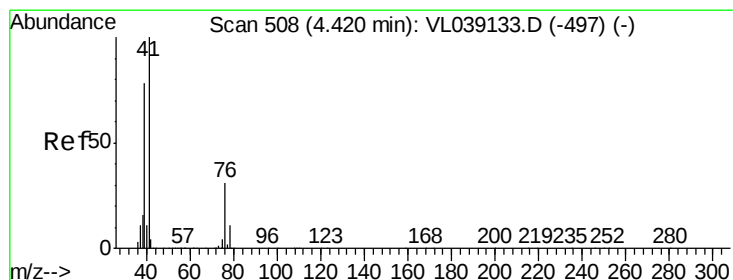
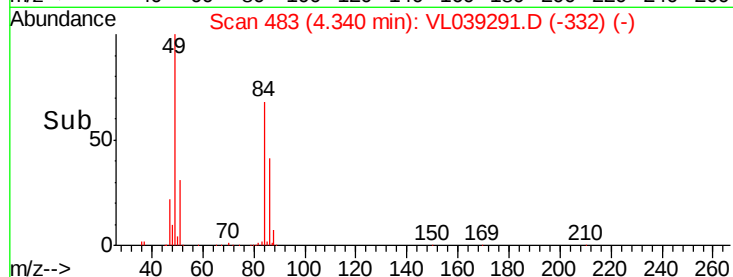
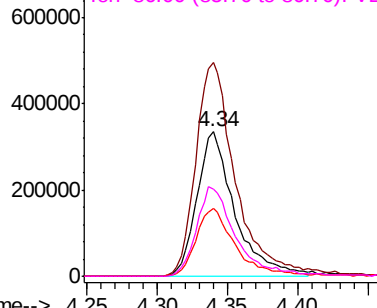


#20
Methvlene Chloride
Concen: 10.584 ppbv
RT: 4.34
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 15 Jun 2022 9:07

Tot Ion:	84	Resp:	628215
Ion	Ratio	Lower	Upper
84	100		
49	148.0	111.1	166.7
51	46.5	35.3	52.9
86	60.2	51.9	77.9

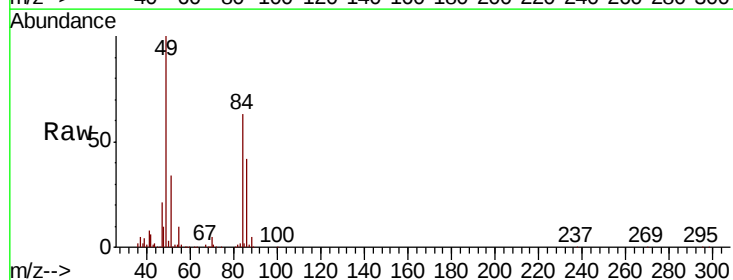


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

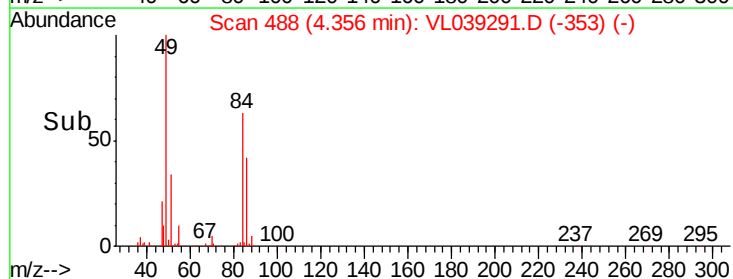
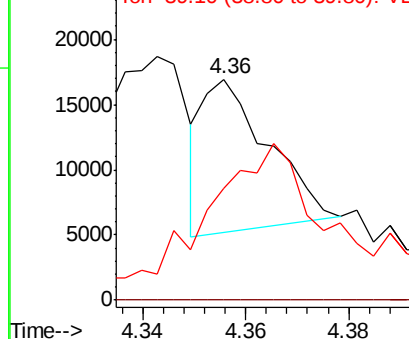


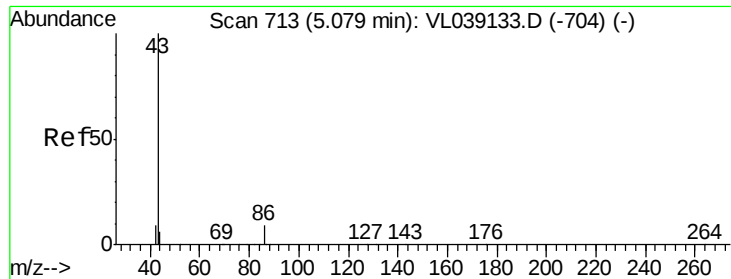
#21
Allyl Chloride
Concen: 0.108 ppbv
RT: 4.36 min Scan# 488
Delta R.T. -0.06 min
Lab File: VL039291.D
Acq: 15 Jun 2022 9:07

Tgt Ion:	41	Resp:	10304
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.2	36.2#
39	242.5	62.2	93.2#



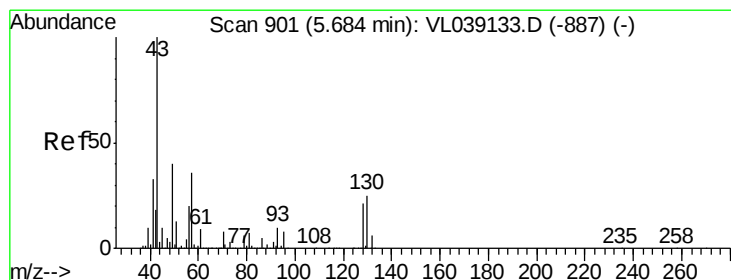
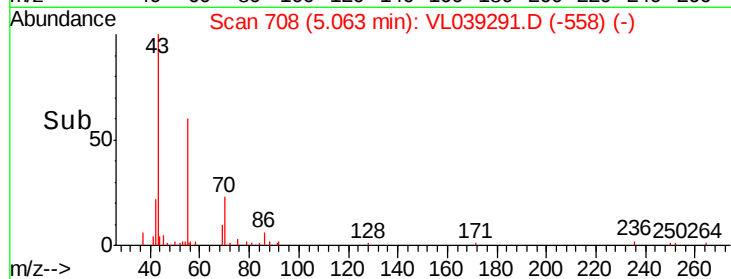
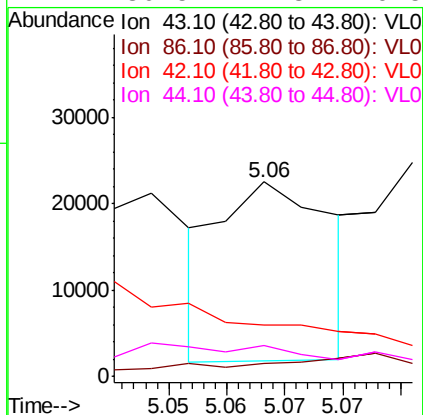
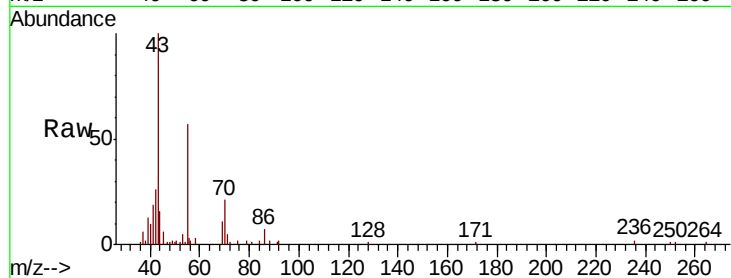
Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0





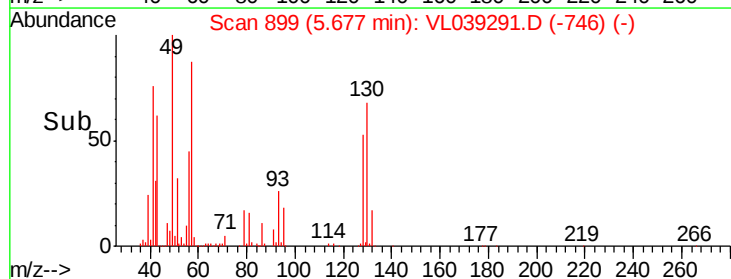
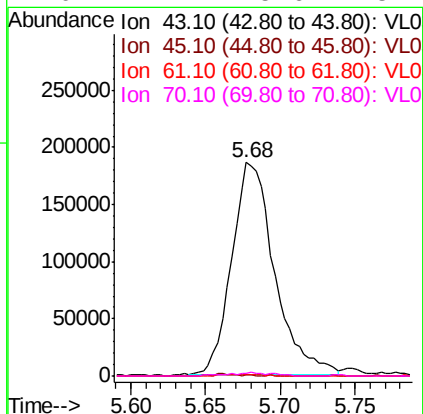
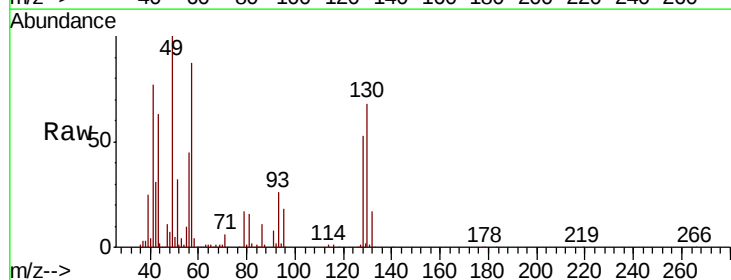
#23
 Vinyl Acetate
 Concen: 0.118 ppbv
 RT: 5.06
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SS-1
 Acq: 15 Jun 2022 9:07

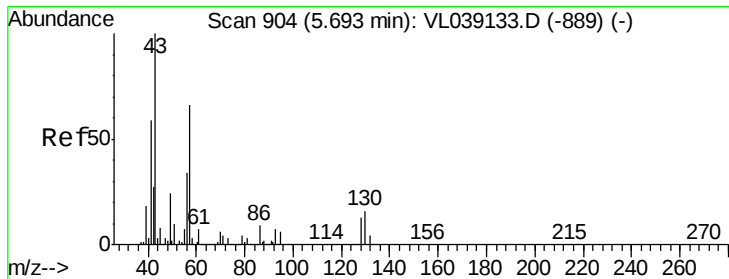
Tot Ion:	43	Resp:	13740
Ion	Ratio	Lower	Upper
43	100		
86	2.0	6.0	9.0#
42	14.6	8.2	12.4#
44	30.5	4.3	6.5#



#25
 Ethyl Acetate
 Concen: 1.167 ppbv
 RT: 5.68 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VL039291.D
 Acq: 15 Jun 2022 9:07

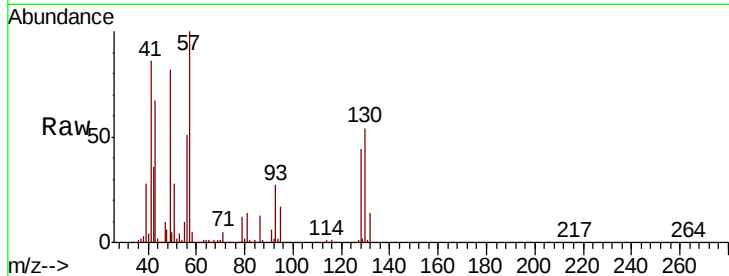
Tgt Ion:	43	Resp:	370363
Ion	Ratio	Lower	Upper
43	100		
45	1.0	8.2	12.2#
61	0.7	8.4	12.6#
70	1.7	5.6	8.4#



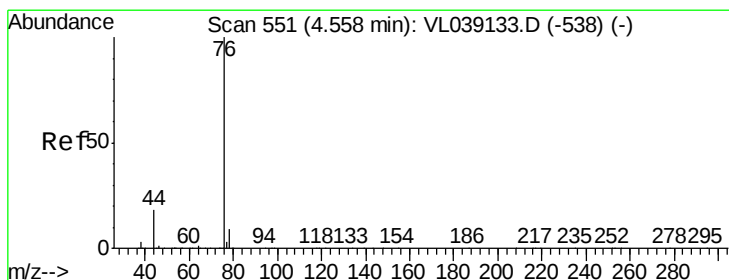
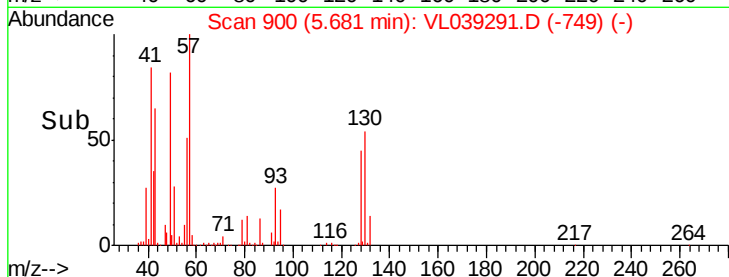
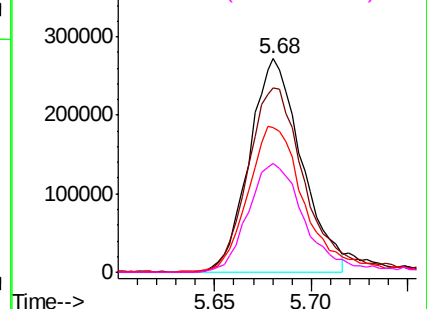


#26
Hexane
Concen: 3.653 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Jun 2022 9:07

Tot Ion:	57	Resp:	509661
Ion	Ratio	Lower	Upper
57	100		
41	99.0	72.4	108.6
43	76.5	187.0	280.6#
56	57.2	41.8	62.6

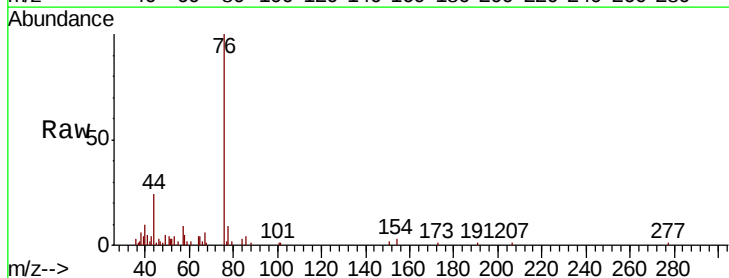


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

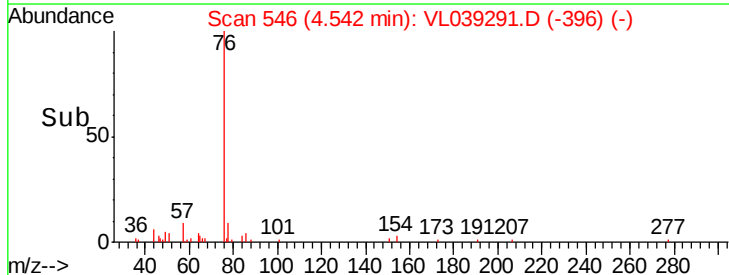
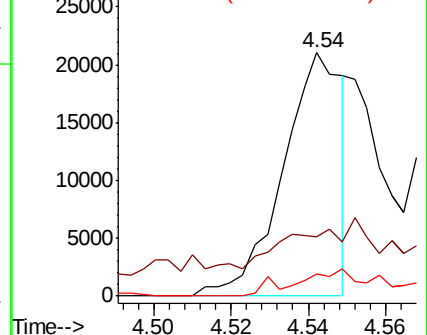


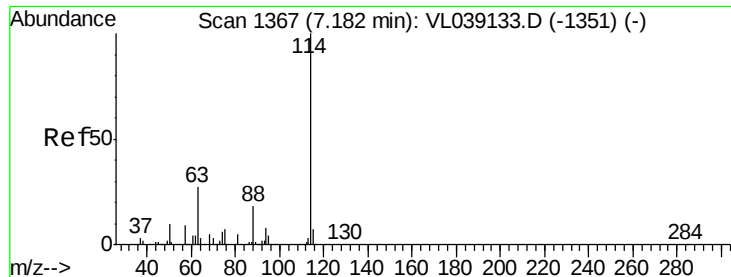
#27
Carbon Disulfide
Concen: 0.155 ppbv
RT: 4.54 min Scan# 546
Delta R.T. -0.02 min
Lab File: VL039291.D
Acq: 15 Jun 2022 9:07

Tgt Ion:	76	Resp:	22399
Ion	Ratio	Lower	Upper
76	100		
44	50.9	14.4	21.6#
78	19.8	7.7	11.5#



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

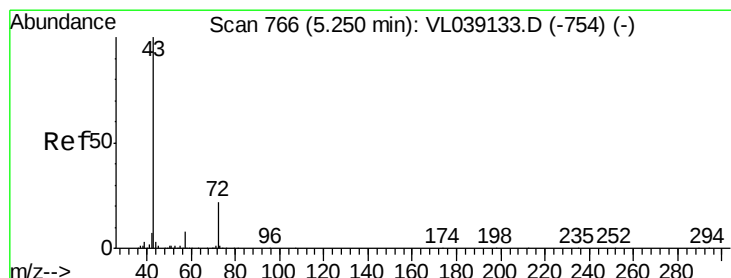
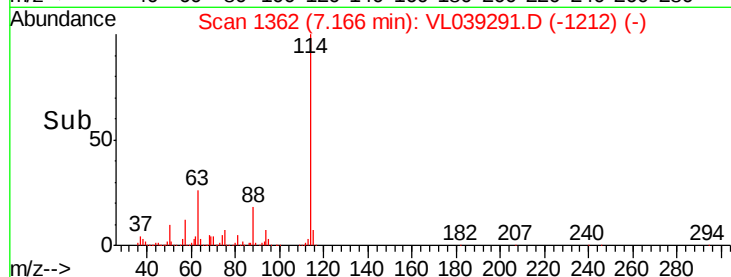
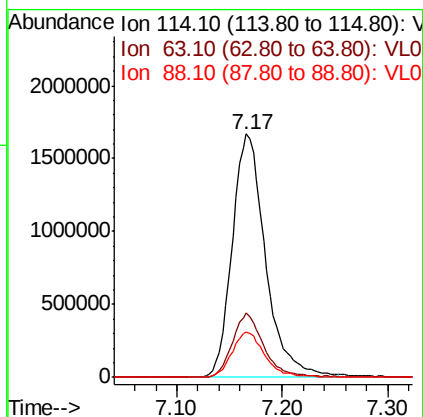
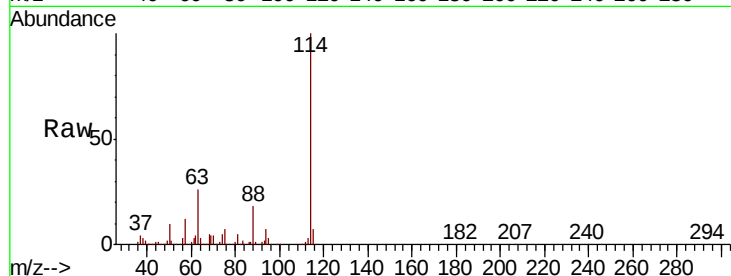




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Jun 2022 9:07

Tot Ion:114 Resp: 3650863

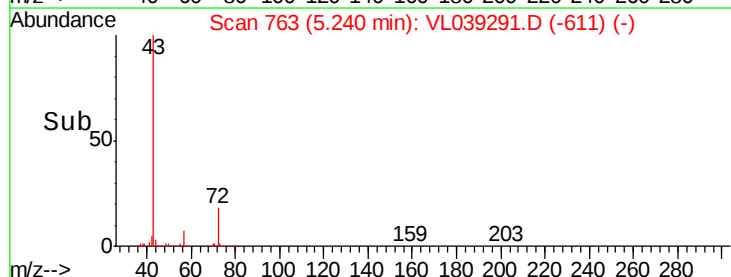
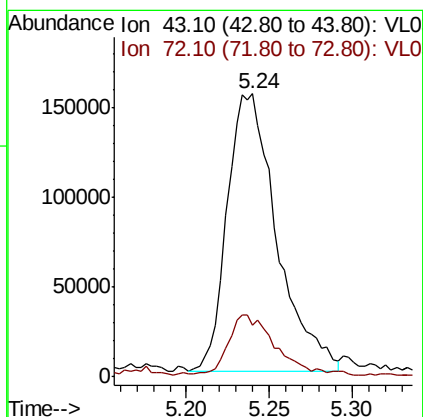
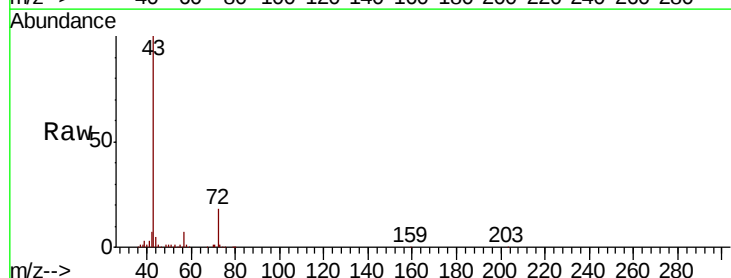
Ion	Ratio	Lower	Upper
114	100		
63	25.3	21.7	32.5
88	18.4	14.8	22.2

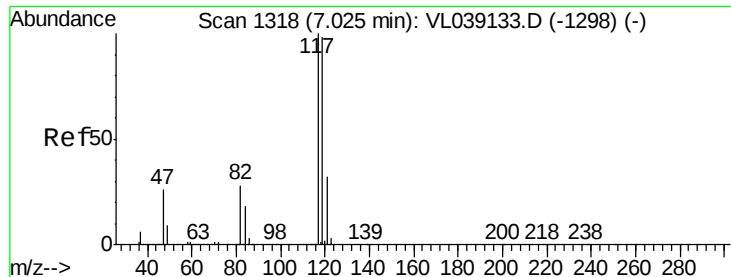


#34
 2-Butanone
 Concen: 1.618 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL039291.D
 Acq: 15 Jun 2022 9:07

Tgt Ion: 43 Resp: 320960

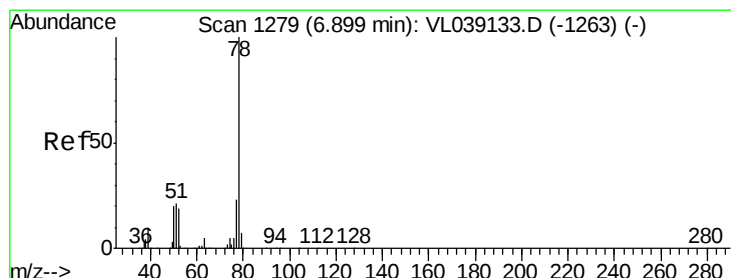
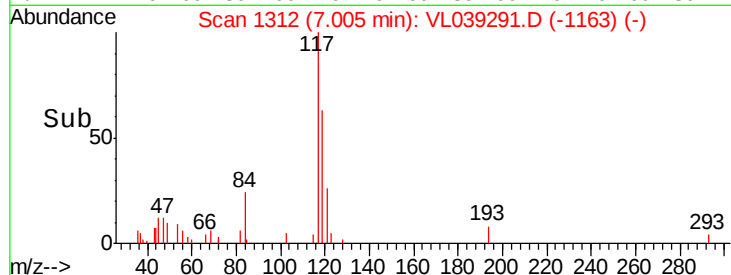
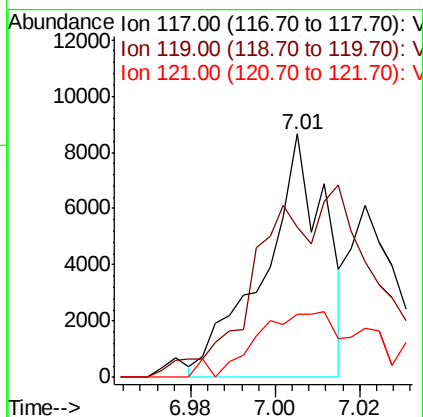
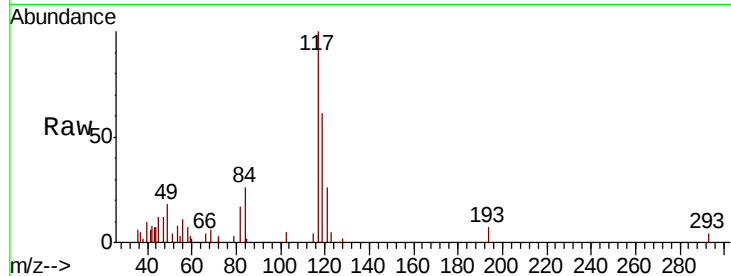
Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.2	27.2





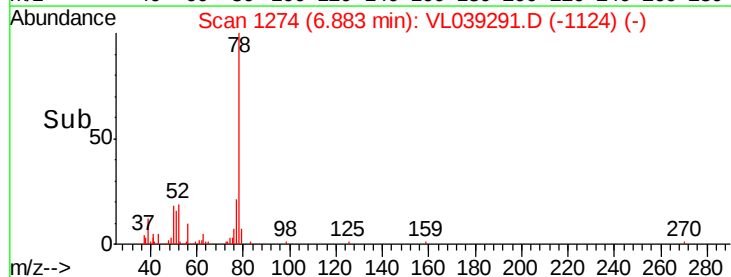
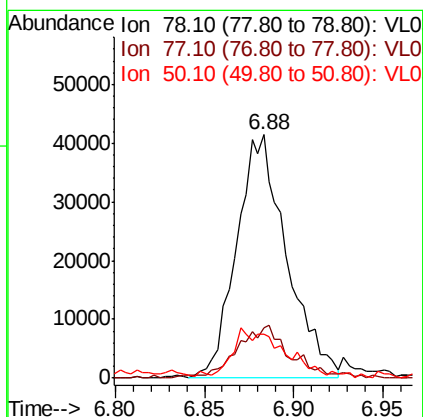
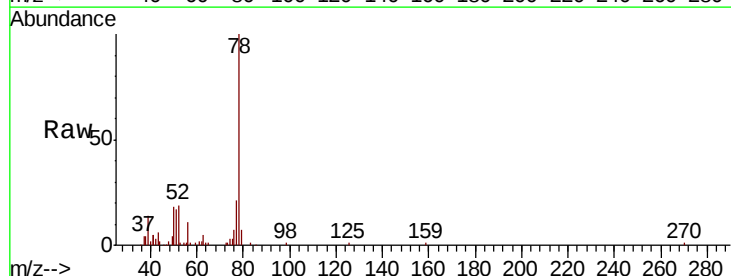
#35
Carbon Tetrachloride
Concen: 0.033 ppbv
RT: 7.01
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Jun 2022 9:07

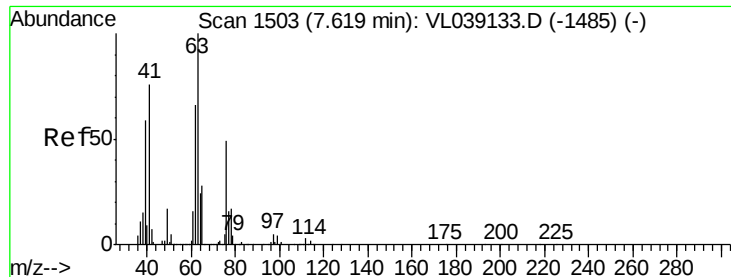
Tot Ion:117 Resp: 8679
Ion Ratio Lower Upper
117 100
119 56.3 78.6 118.0#
121 26.9 25.4 38.0



#36
Benzene
Concen: 0.274 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL039291.D
Acq: 15 Jun 2022 9:07

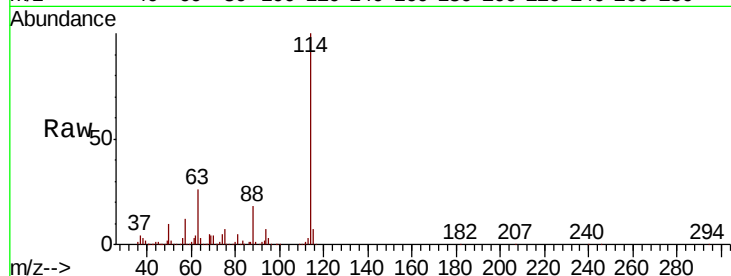
Tgt Ion: 78 Resp: 81181
Ion Ratio Lower Upper
78 100
77 19.5 18.6 27.8
50 16.8 15.8 23.8



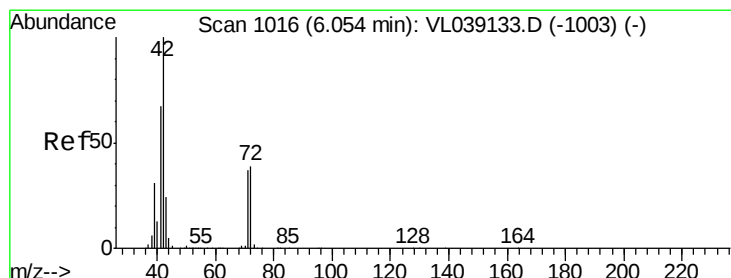
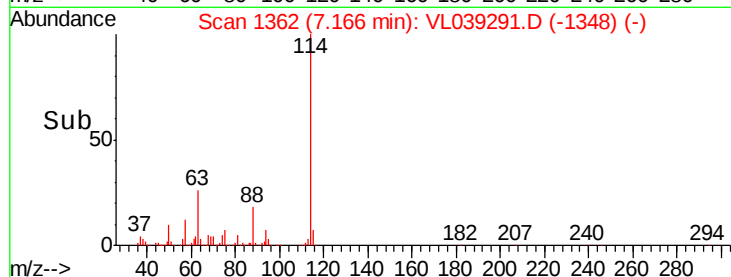
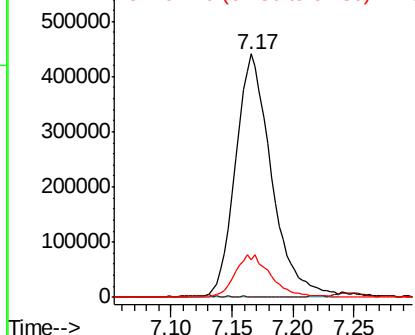


#39
 1,2-Dichloropropane
 Concen: 7.671 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SS-1
 Acq: 15 Jun 2022 9:07

Tot Ion	63	Resp	904378
Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	15.5	52.9	79.3#

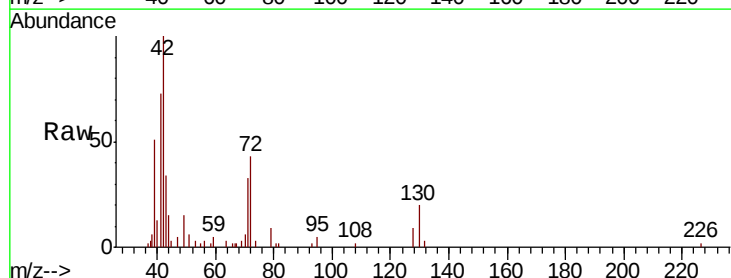


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

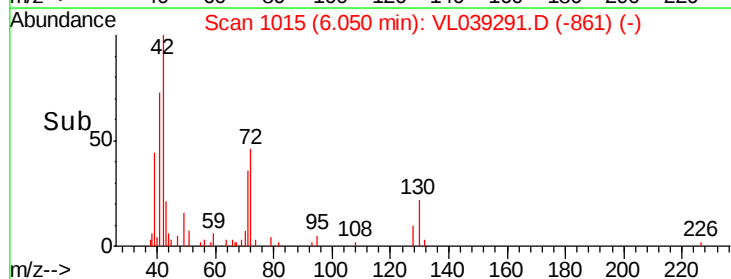
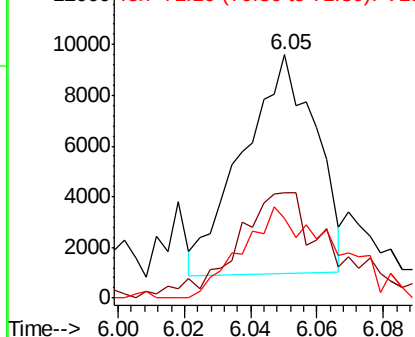


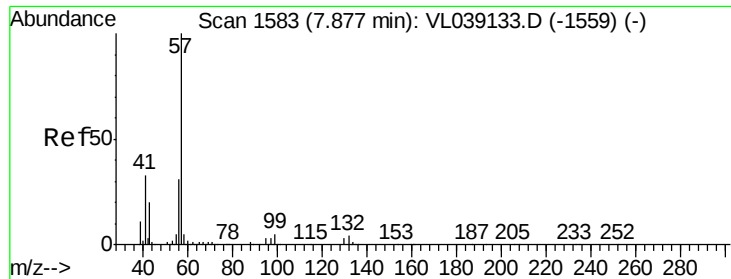
#41
 Tetrahydrofuran
 Concen: 0.110 ppbv
 RT: 6.05 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VL039291.D
 Acq: 15 Jun 2022 9:07

Tgt Ion	42	Resp	13166
Ion	Ratio	Lower	Upper
42	100		
72	66.8	32.0	48.0#
71	57.2	31.1	46.7#



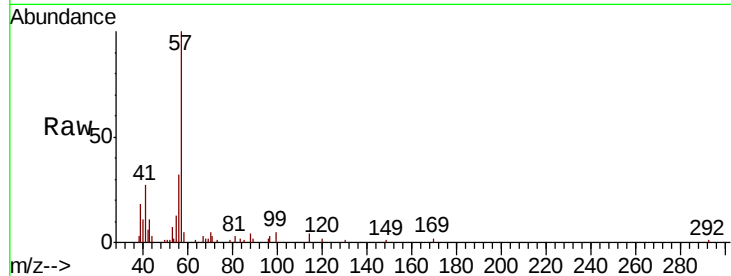
Abundance Ion 42.10 (41.80 to 42.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0
 Ion 71.10 (70.80 to 71.80): VL0



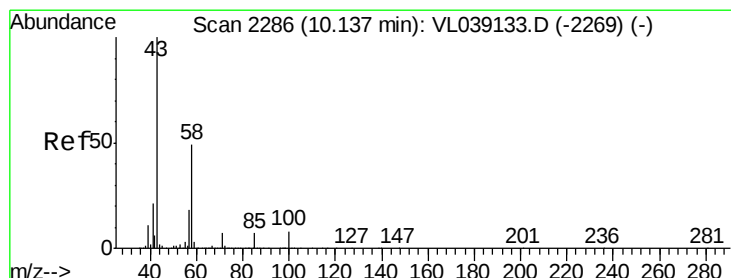
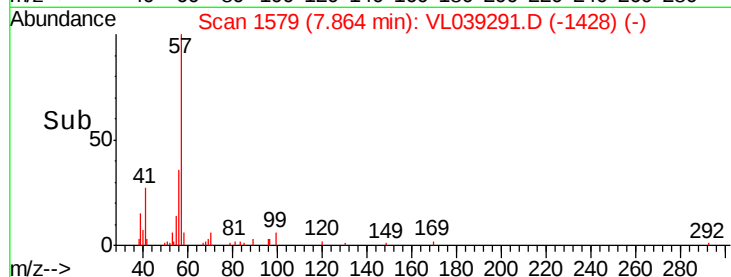
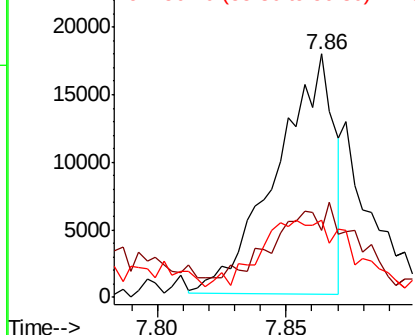


#44
 2,2,4-Trimethylpentane
 Concen: 0.053 ppbv
 RT: 7.86 Instrument: MSVOA_1
 Delta R.T. ClientSampleId:
 Lab File: SS-1
 Acq: 15 Jun 2022 9:07

Tot Ion	57	Resp	27638
Ion Ratio	Lower	Upper	
57	100		
41	54.0	26.2	39.4#
56	57.9	24.7	37.1#

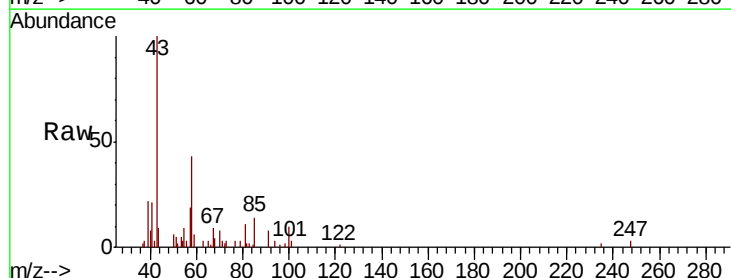


Abundance Ion 57.10 (56.80 to 57.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 56.10 (55.80 to 56.80): VL0

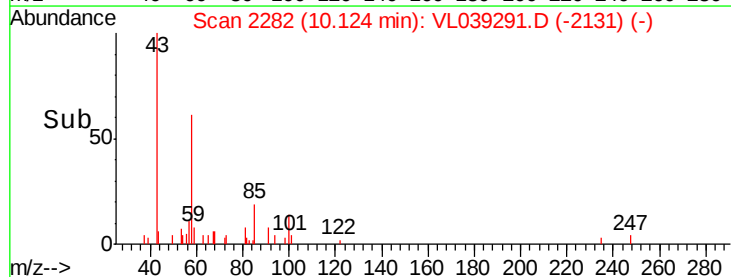
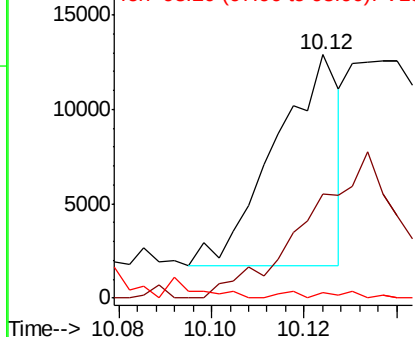


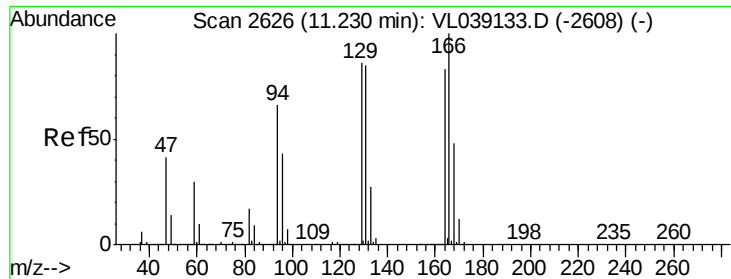
#51
 2-Hexanone
 Concen: 0.047 ppbv
 RT: 10.12 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: VL039291.D
 Acq: 15 Jun 2022 9:07

Tgt Ion	43	Resp	10887
Ion Ratio	Lower	Upper	
43	100		
58	0.0	40.0	60.0#
98	0.0	0.1	0.1#



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





#52

Tetrachloroethene

Concen: 1.086 ppbv

RT: 11.21

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 15 Jun 2022 9:07

Tot Ion:164 Resp: 125697

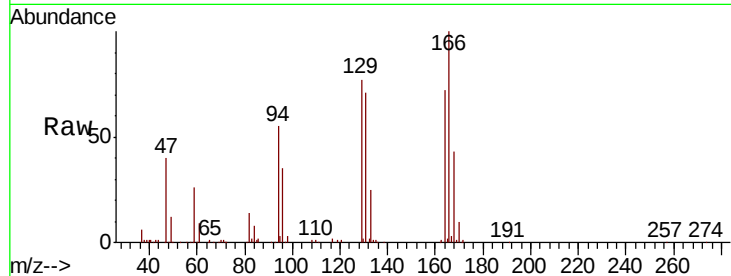
Ion Ratio Lower Upper

164 100

166 138.3 96.3 144.5

129 105.9 82.5 123.7

131 97.1 82.1 123.1

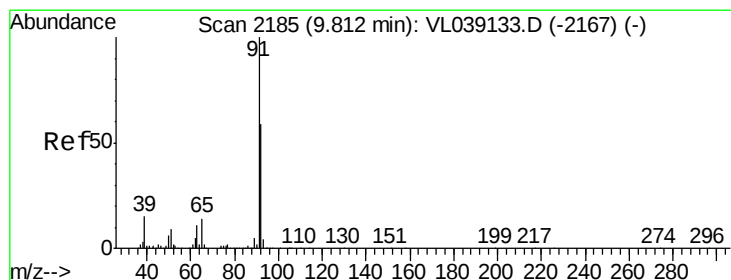
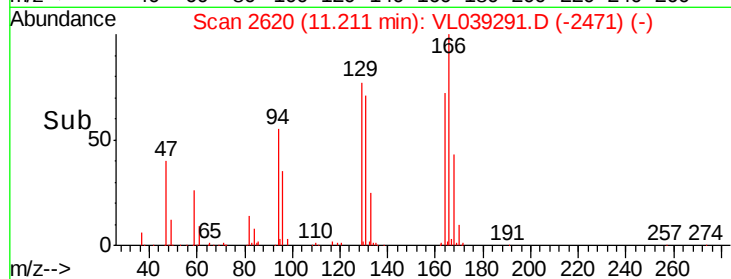
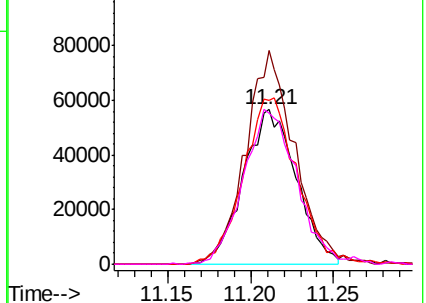


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.170 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.02 min

Lab File: VL039291.D

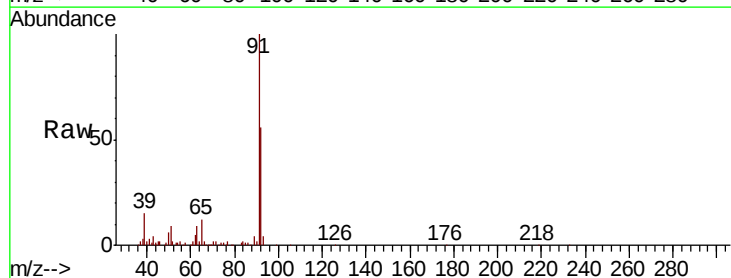
Acq: 15 Jun 2022 9:07

Tgt Ion: 91 Resp: 399469

Ion Ratio Lower Upper

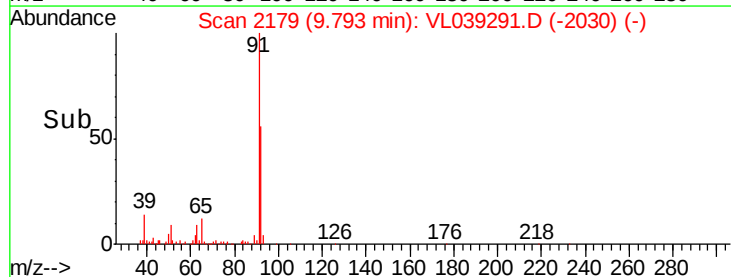
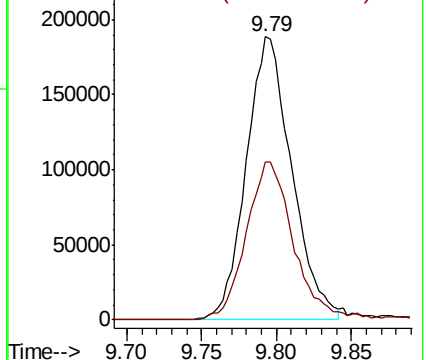
91 100

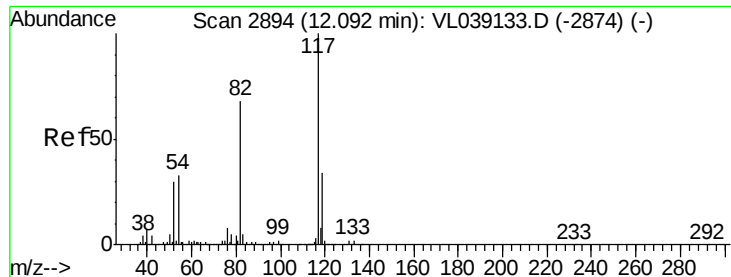
92 59.2 48.1 72.1



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

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 15 Jun 2022 9:07

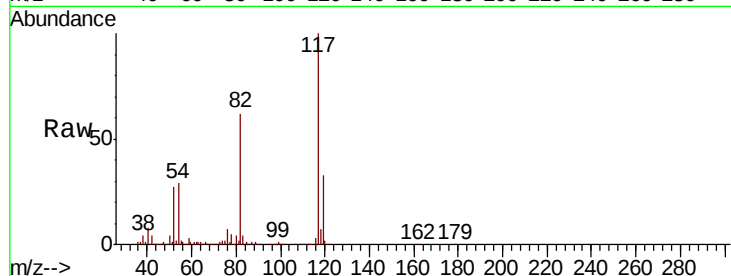
Tot Ion:117 Resp: 3312180

Ion Ratio Lower Upper

117 100

82 63.8 55.1 82.7

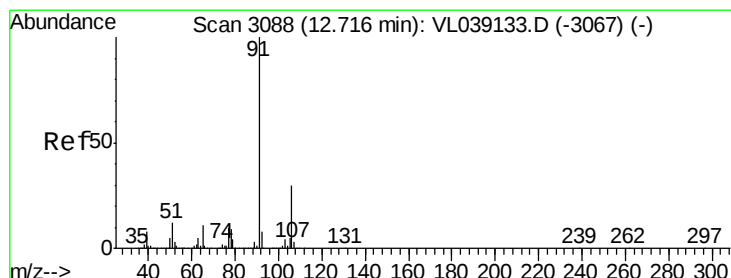
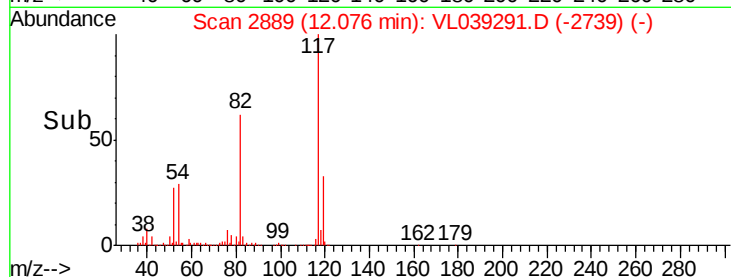
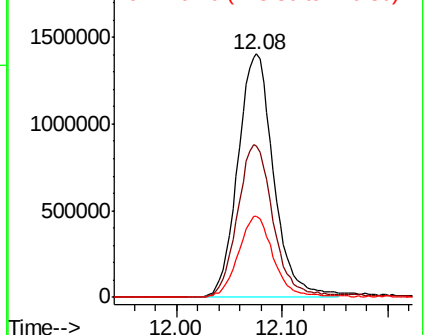
119 33.7 24.7 37.1



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: 0.605 ppbv

RT: 12.70 min Scan# 3083

Delta R.T. -0.02 min

Lab File: VL039291.D

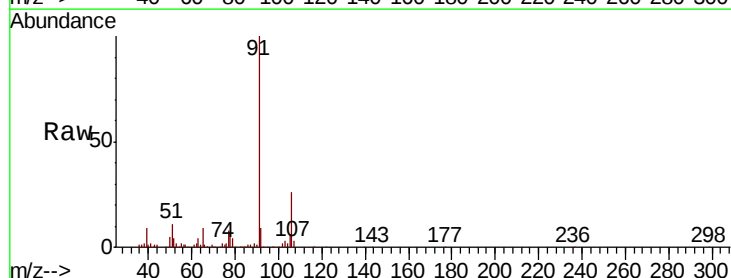
Acq: 15 Jun 2022 9:07

Tgt Ion: 91 Resp: 275812

Ion Ratio Lower Upper

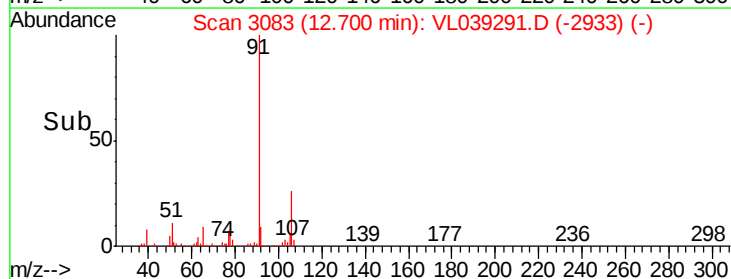
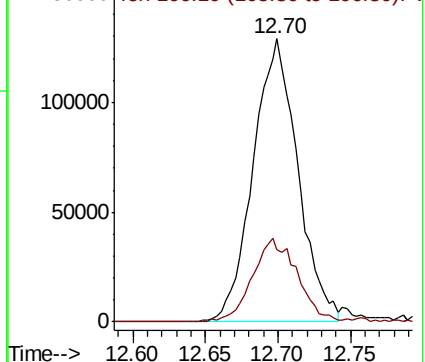
91 100

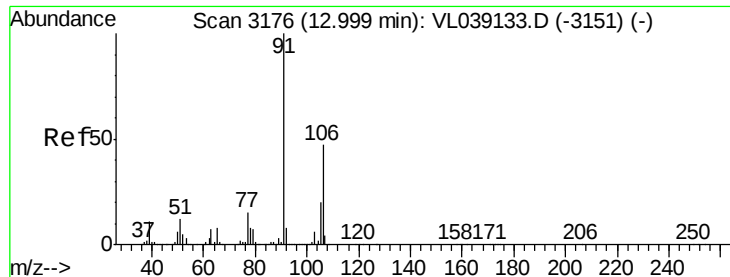
106 25.6 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

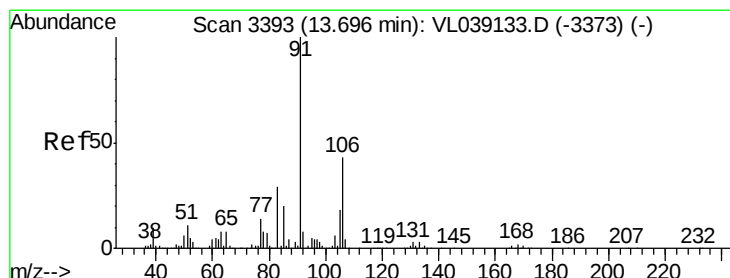
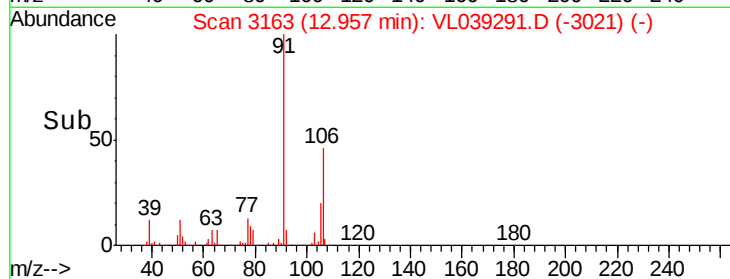
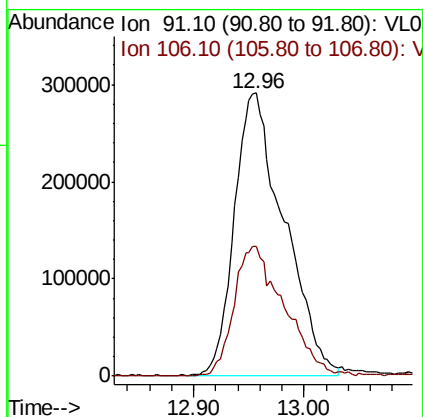
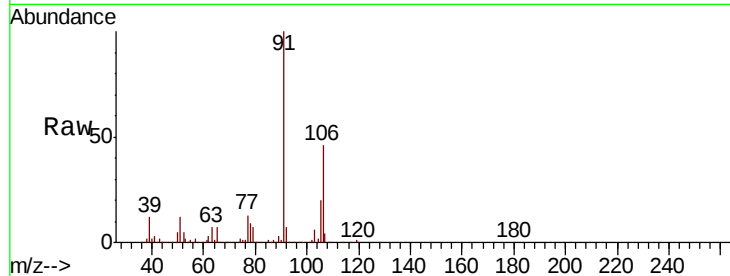
Ion 106.10 (105.80 to 106.80): V





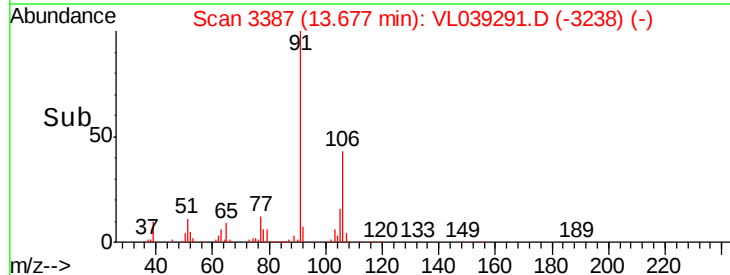
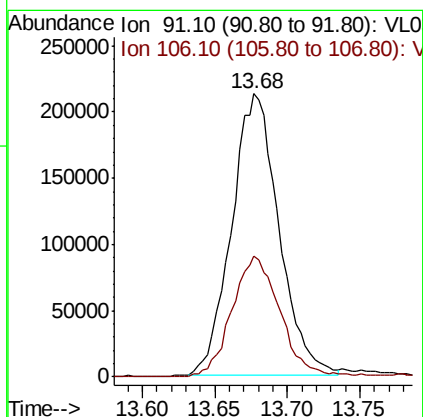
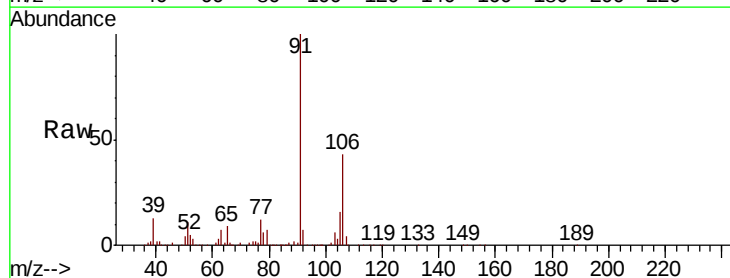
#59
m/p-Xylene
Concen: 2.256 ppbv
RT: 12.96 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Jun 2022 9:07

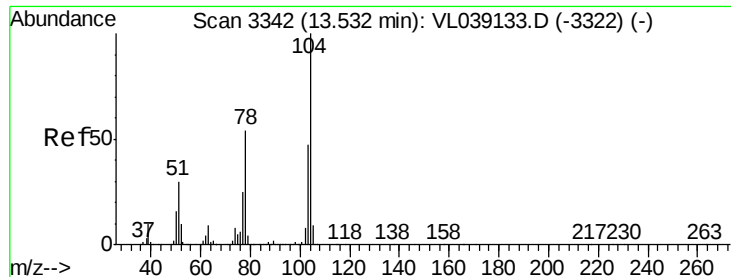
Tot Ion: 91 Resp: 906227
Ion Ratio Lower Upper
91 100
106 47.1 34.3 51.5



#60
o-Xylene
Concen: 1.274 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.02 min
Lab File: VL039291.D
Acq: 15 Jun 2022 9:07

Tgt Ion: 91 Resp: 480955
Ion Ratio Lower Upper
91 100
106 43.8 22.3 66.9





#61

Stvrene

Concen: 0.336 ppbv

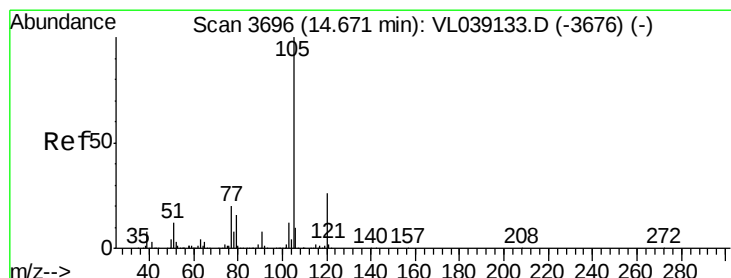
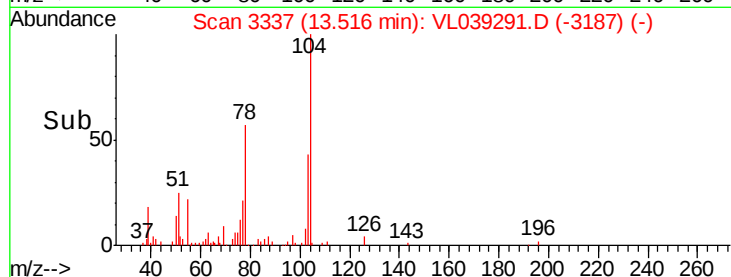
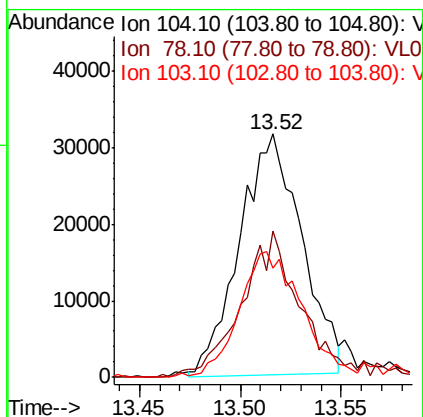
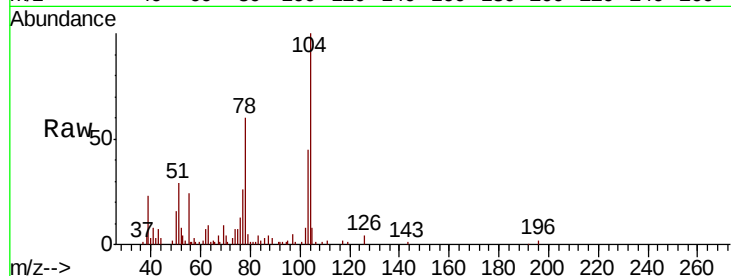
RT: 13.52

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 15 Jun 2022 9:07

Tot Ion:	104	Resp:	67861
Ion	Ratio	Lower	Upper
104	100		
78	60.1	45.7	68.5
103	55.3	39.6	59.4



#62

Isopropylbenzene

Concen: 0.043 ppbv

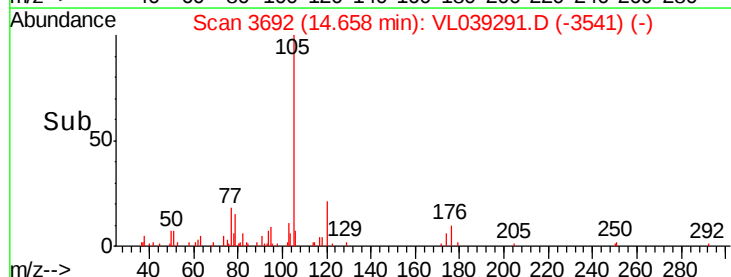
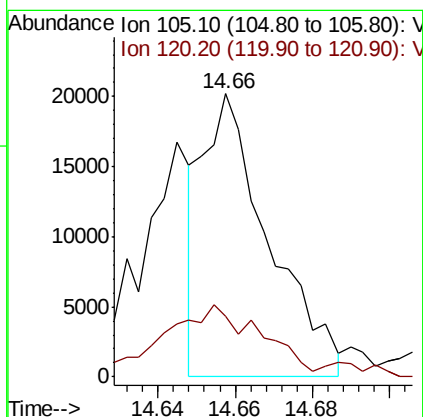
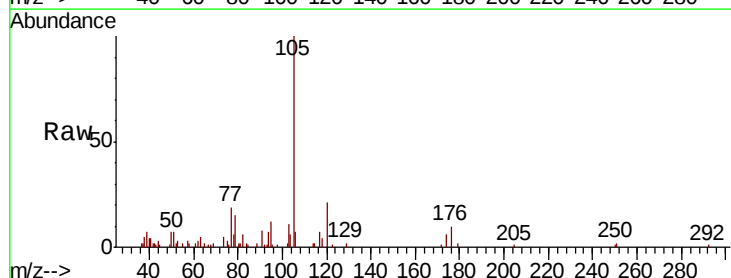
RT: 14.66 min Scan# 3692

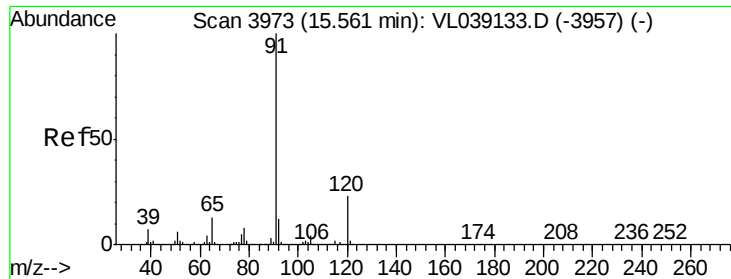
Delta R.T. -0.01 min

Lab File: VL039291.D

Acq: 15 Jun 2022 9:07

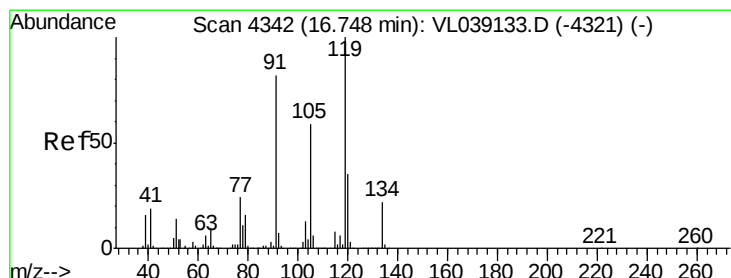
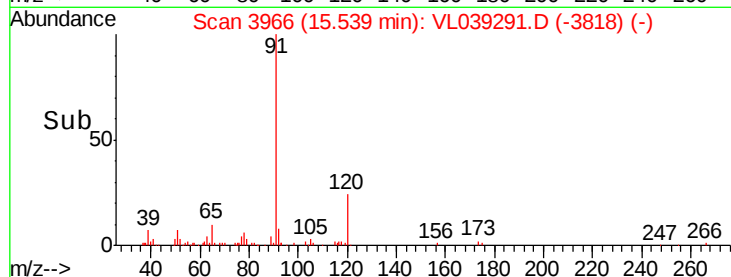
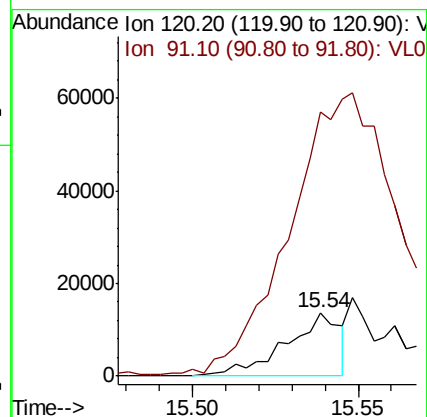
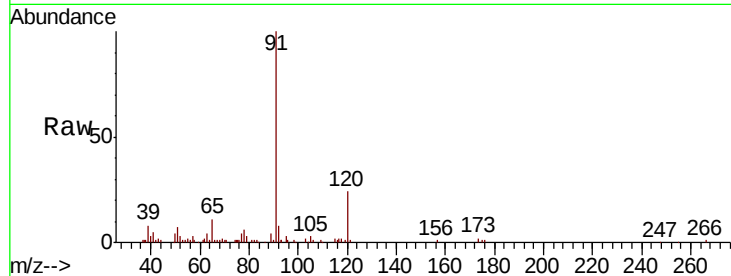
Tgt Ion:	105	Resp:	23922
Ion	Ratio	Lower	Upper
105	100		
120	42.7	20.3	30.5#





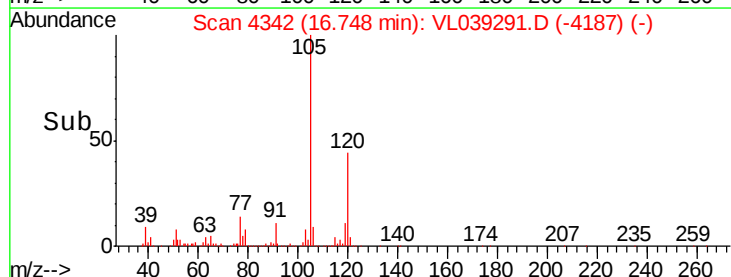
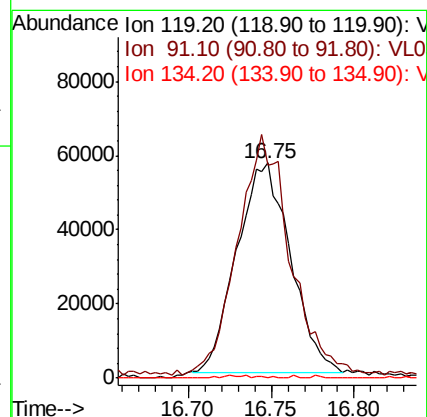
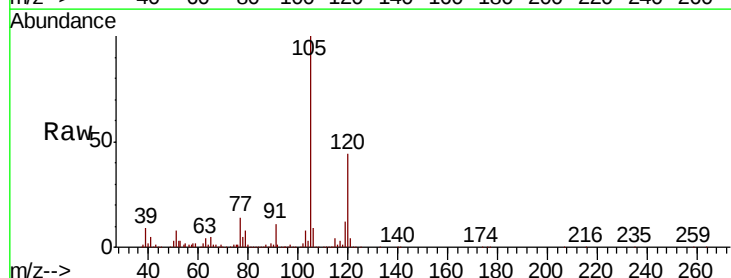
#64
n-propylbenzene
Concen: 0.114 ppbv
RT: 15.54
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Jun 2022 9:07

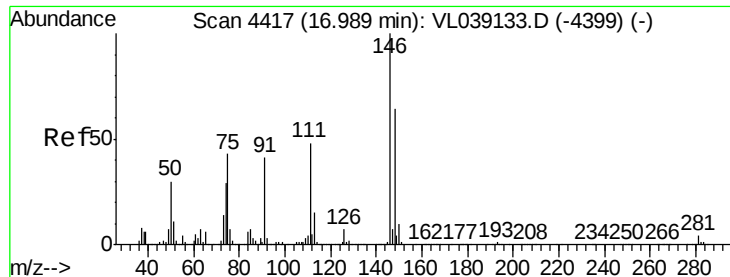
Tot Ion:120 Resp: 15662
Ion Ratio Lower Upper
120 100
91 0.0 388.4 582.6#



#65
tert-Butylbenzene
Concen: 0.247 ppbv
RT: 16.75 min Scan# 4342
Delta R.T. -0.00 min
Lab File: VL039291.D
Acq: 15 Jun 2022 9:07

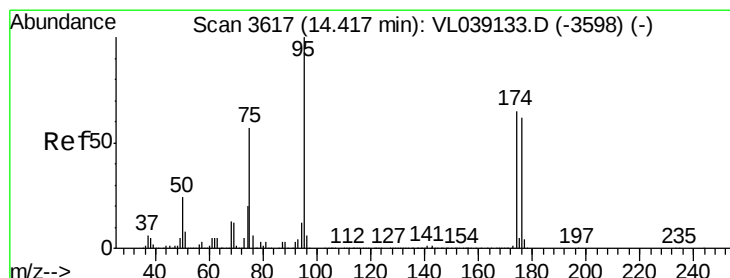
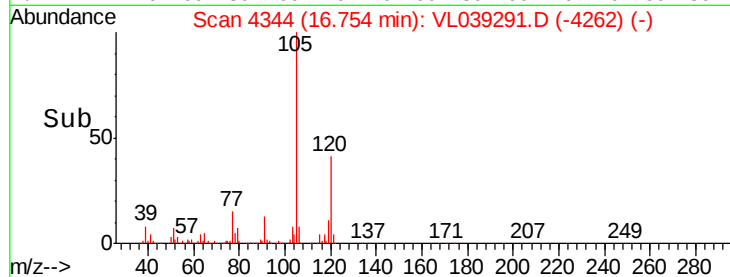
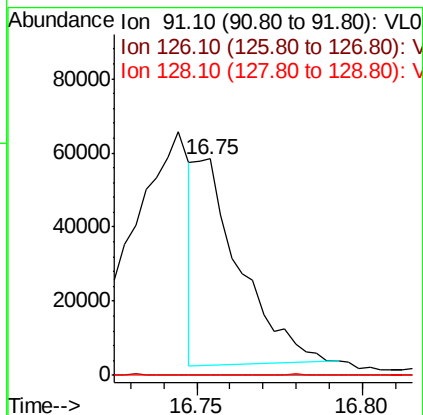
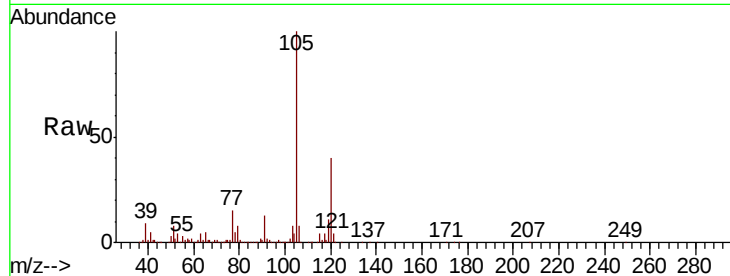
Tgt Ion:119 Resp: 126730
Ion Ratio Lower Upper
119 100
91 118.6 67.1 100.7#
134 0.3 15.8 23.8#





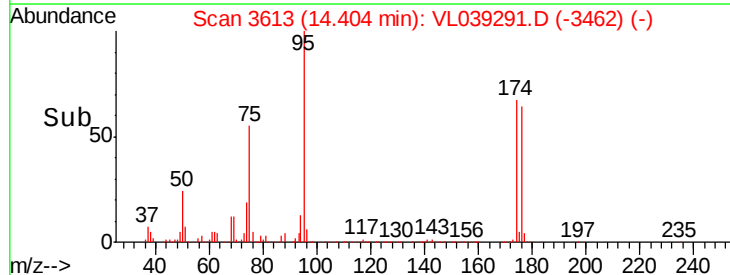
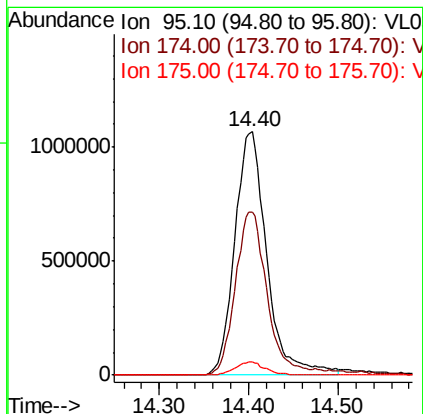
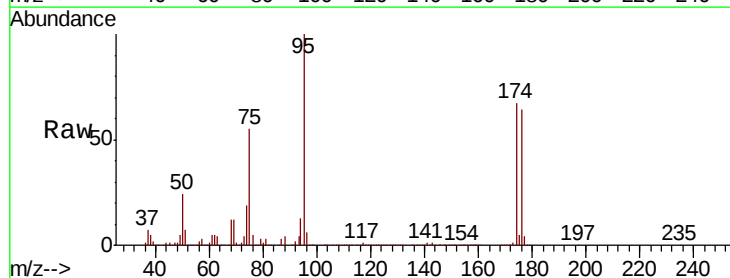
#66
Benzyl Chloride
Concen: 0.782 ppbv
RT: 16.75
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Jun 2022 9:07

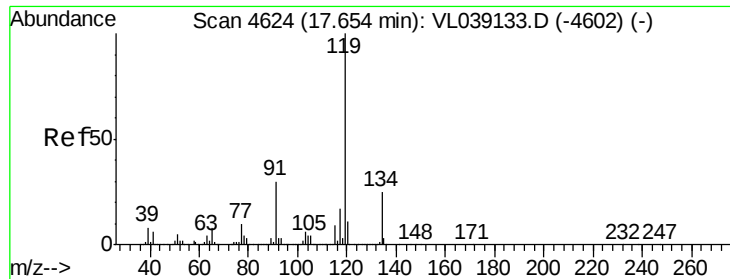
Tot Ion	91	Resp	52160
Ion Ratio	Lower	Upper	
91	100		
126	0.3	13.4	20.0#
128	0.0	4.1	6.1#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.728 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.01 min
Lab File: VL039291.D
Acq: 15 Jun 2022 9:07

Tgt Ion	95	Resp	2663916
Ion Ratio	Lower	Upper	
95	100		
174	69.6	53.8	80.8
175	5.4	4.1	6.1





#69

p-Isopropyltoluene

Concen: 0.086 ppbv

RT: 17.64

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 15 Jun 2022 9:07

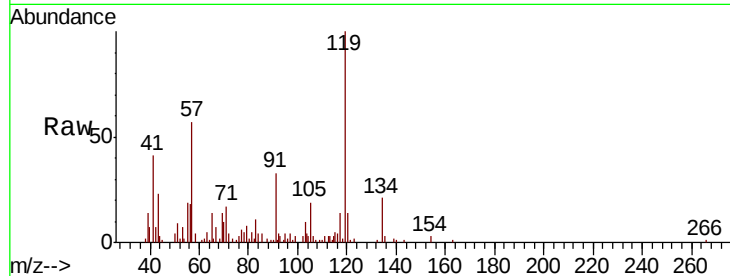
Tot Ion: 119 Resp: 50824

Ion Ratio Lower Upper

119 100

134 29.1 20.4 30.6

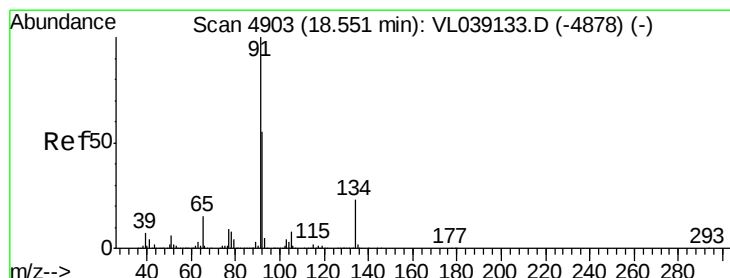
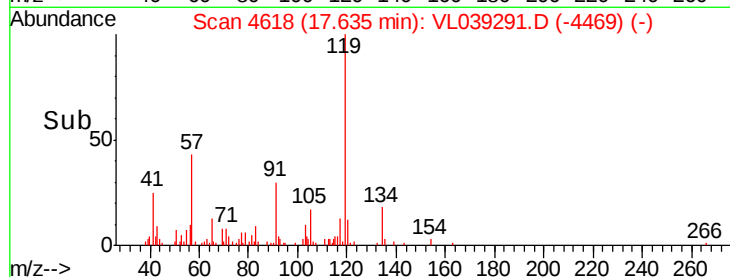
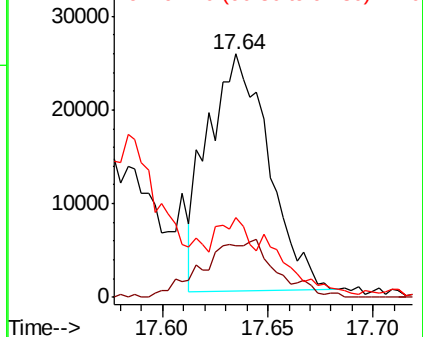
91 27.9 24.2 36.4



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): V



#70

n-Butylbenzene

Concen: 0.106 ppbv

RT: 18.54 min Scan# 4898

Delta R.T. -0.02 min

Lab File: VL039291.D

Acq: 15 Jun 2022 9:07

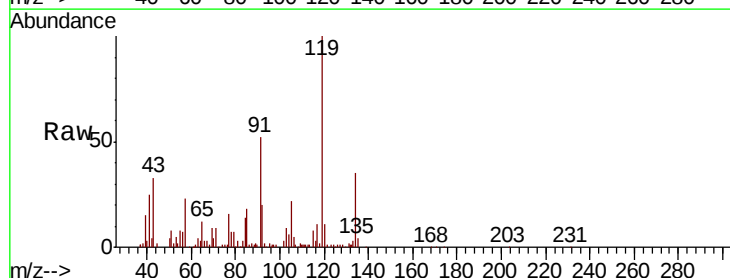
Tgt Ion: 91 Resp: 64309

Ion Ratio Lower Upper

91 100

92 75.2 43.6 65.4#

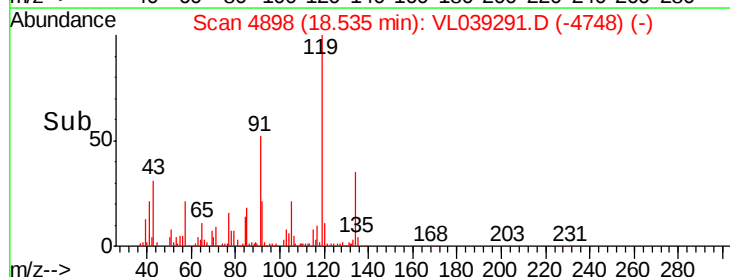
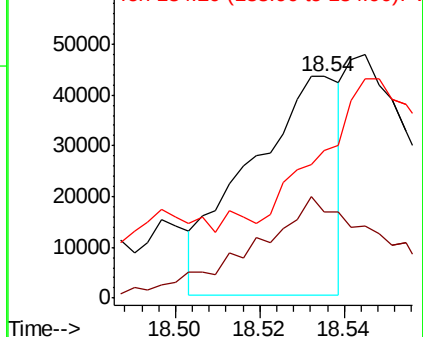
134 0.0 17.7 26.5#

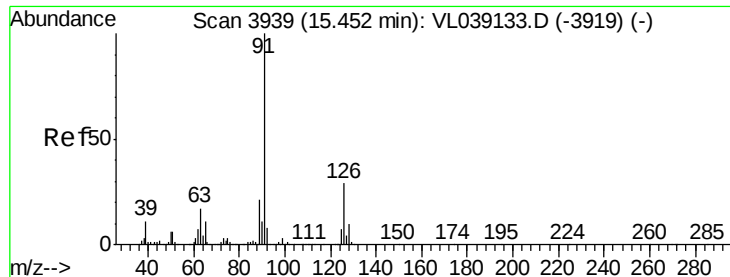


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

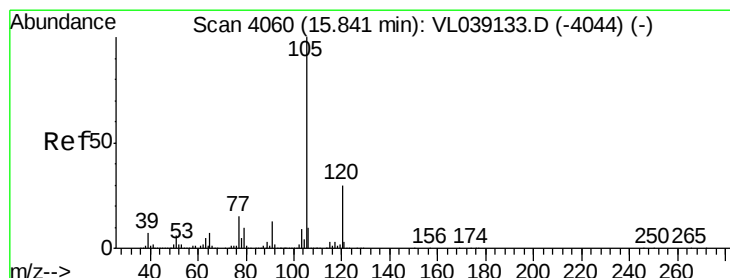
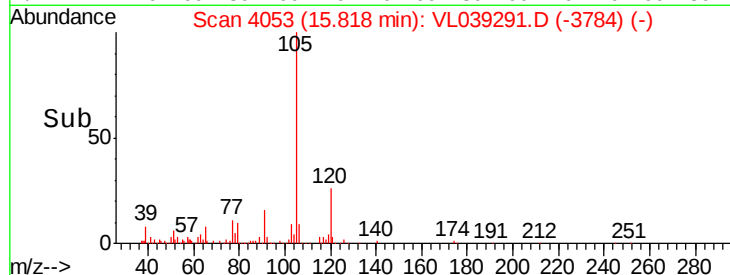
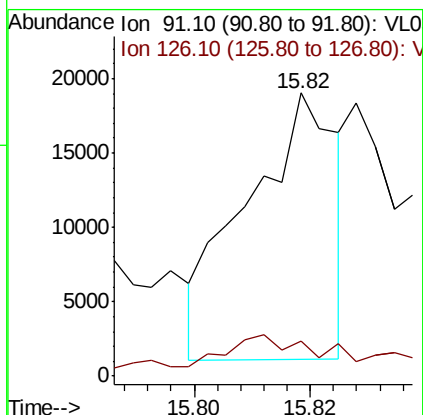
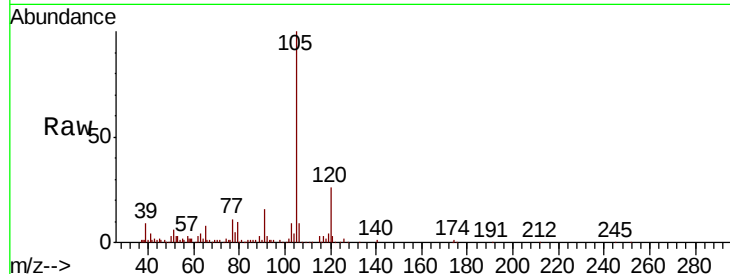
Ion 134.20 (133.90 to 134.90): V





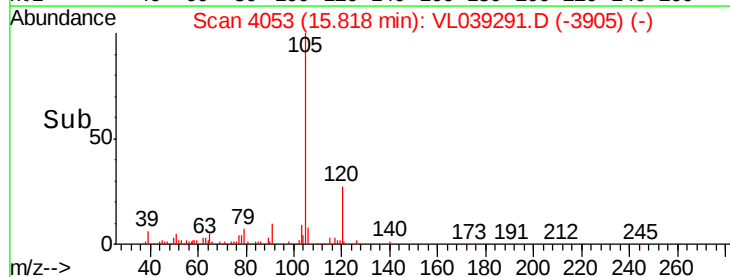
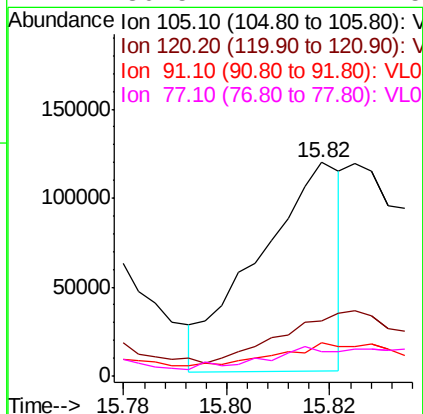
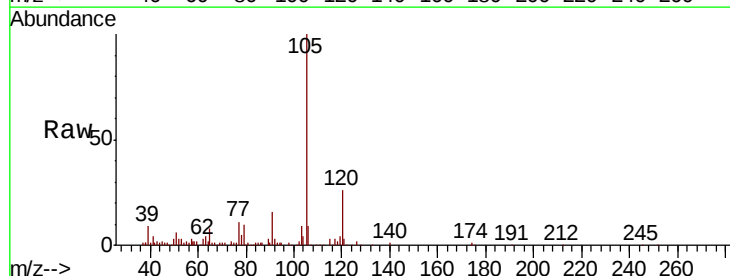
#71
 2-Chlorotoluene
 Concen: 0.045 ppbv
 RT: 15.82 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SS-1
 Acq: 15 Jun 2022 9:07

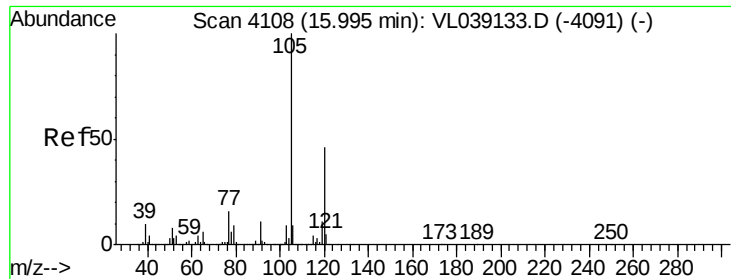
Tot Ion: 91 Resp: 19333
 Ion Ratio Lower Upper
 91 100
 126 28.2 12.2 48.6



#72
 4-Ethyltoluene
 Concen: 0.296 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. -0.02 min
 Lab File: VL039291.D
 Acq: 15 Jun 2022 9:07

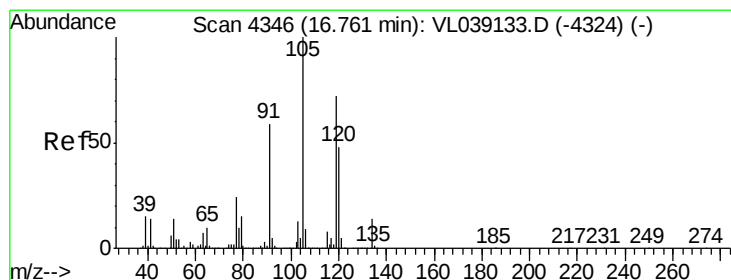
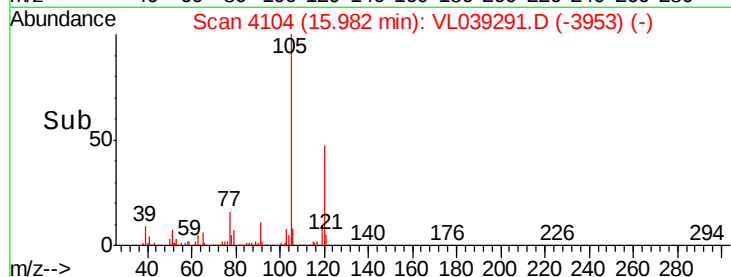
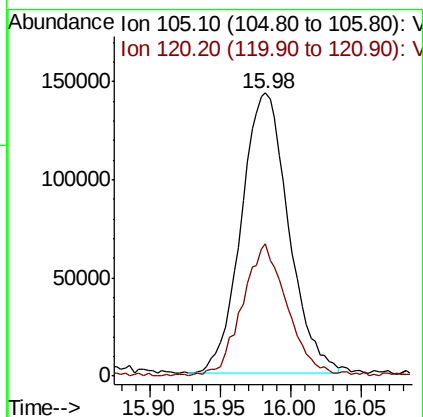
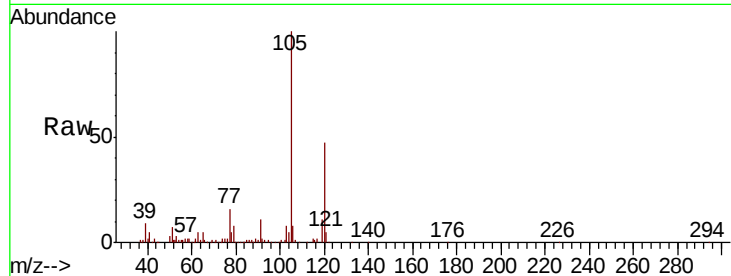
Tgt Ion:105 Resp: 130820
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.9 35.9#
 91 30.8 10.6 16.0#
 77 30.5 11.7 17.5#





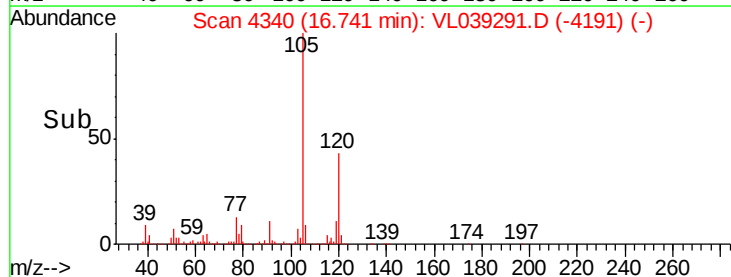
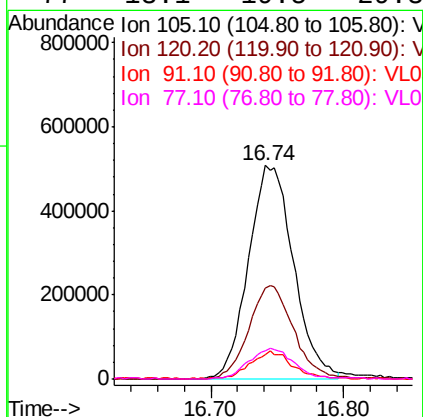
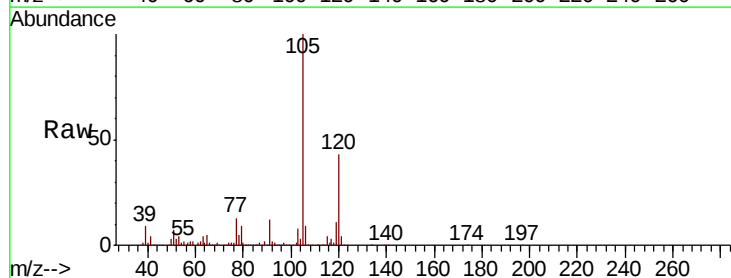
#73
 1,3,5-Trimethylbenzene
 Concen: 0.843 ppbv
 RT: 15.98 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SS-1
 Acq: 15 Jun 2022 9:07

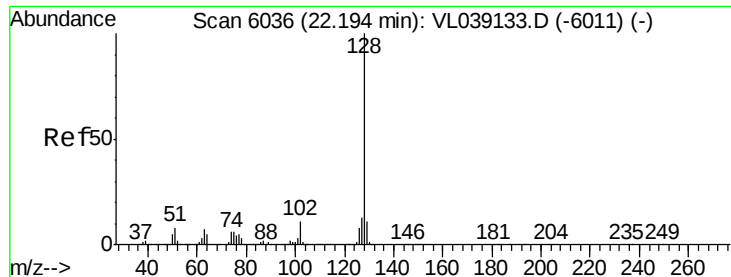
Tot Ion:105 Resp: 336466
 Ion Ratio Lower Upper
 105 100
 120 47.1 36.7 55.1



#74
 1,2,4-Trimethylbenzene
 Concen: 2.685 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.02 min
 Lab File: VL039291.D
 Acq: 15 Jun 2022 9:07

Tgt Ion:105 Resp: 1195582
 Ion Ratio Lower Upper
 105 100
 120 42.8 38.1 57.1
 91 11.3 47.4 71.0#
 77 13.1 19.5 29.3#





#79

Naphthalene

Concen: 0.246 ppbv

RT: 22.17

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 15 Jun 2022 9:07

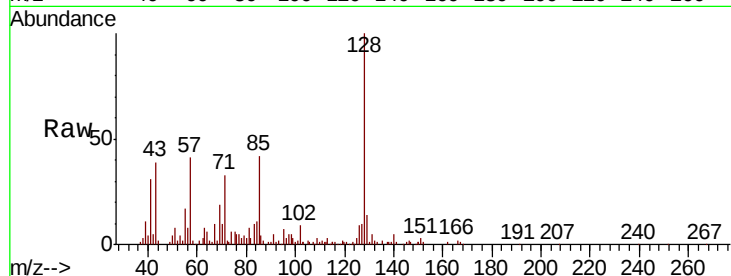
Tot Ion:128 Resp: 84284

Ion Ratio Lower Upper

128 100

127 8.2 10.4 15.6#

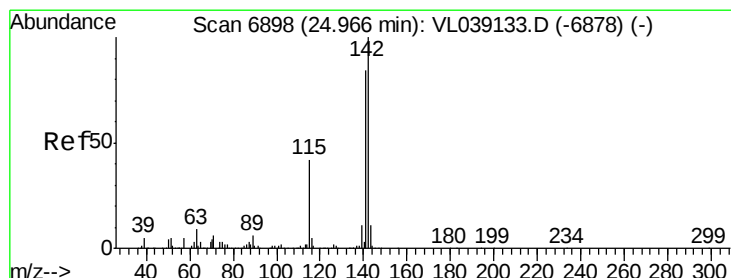
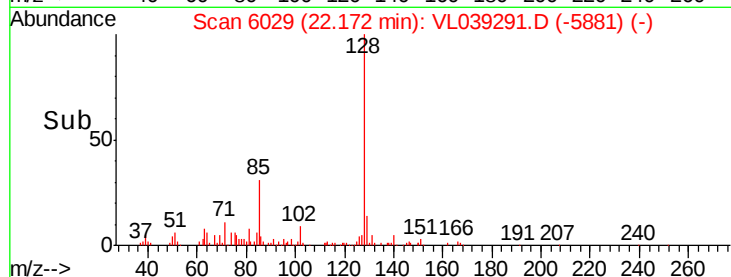
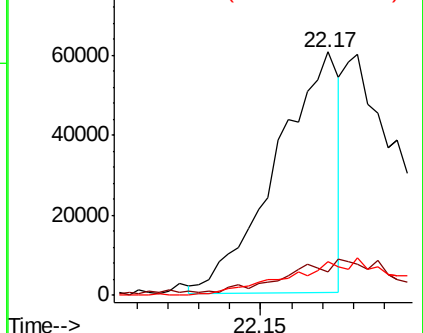
129 14.4 9.0 13.6#



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: 0.142 ppbv

RT: 25.28 min Scan# 6995

Delta R.T. 0.31 min

Lab File: VL039291.D

Acq: 15 Jun 2022 9:07

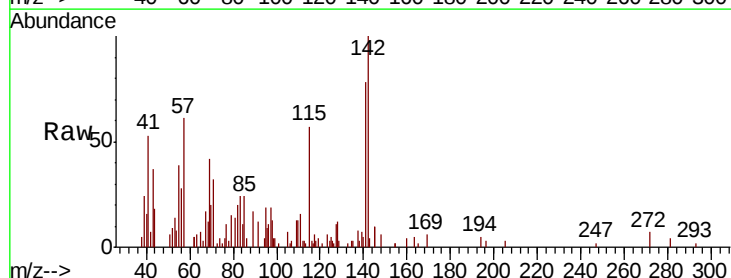
Tgt Ion:142 Resp: 18105

Ion Ratio Lower Upper

142 100

141 93.1 64.6 96.8

115 46.3 32.7 49.1



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

