

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060622\
 Data File : VL039199.D
 Acq On : 7 Jun 2022 00:41
 Operator : SY/AP
 Sample : N3110-02 2X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 07 03:20:05 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	1172801	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3304370	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2973998	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2263515	9.21	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.10%

Target Compounds					Ovalue
3) Chlorodifluoromethane	3.03	51	210304	1.409 ppbv	# 60
4) Chloromethane	3.14	50	23538	0.307 ppbv	# 88
9) Propene	3.01	41	12153	0.187 ppbv	# 45
10) Heptane	8.11	43	27243	0.179 ppbv	# 36
11) Trichlorofluoromethane	3.95	101	226469	1.215 ppbv	# 94
12) 1,1,2-Trichlorotrifluoroet	4.48	101	4132	0.034 ppbv	# 30
13) Ethanol	3.60	45	189914	53.519 ppbv	# 100
15) Acetone	3.85	43	622929	5.099 ppbv	# 90
16) 1,3-Butadiene	3.33	39	4209	0.064 ppbv	# 8
17) tert-Butyl alcohol	4.29	59	22928	0.242 ppbv	# 74
19) Isopropyl Alcohol	3.97	45	36000	0.628 ppbv	# 93
20) Methylene Chloride	4.34	84	22658	0.440 ppbv	# 95
23) Vinyl Acetate	5.07	43	15488	0.153 ppbv	# 70
25) Ethyl Acetate	5.68	43	62321	0.226 ppbv	# 89
26) Hexane	5.68	57	60749	0.502 ppbv	# 54
27) Carbon Disulfide	4.55	76	47429	0.378 ppbv	# 85
29) Chloroform	5.74	83	123433	0.606 ppbv	# 95
30) Cyclohexane	7.12	84	4474	0.044 ppbv	# 1
32) 1,1,1-Trichloroethane	6.51	97	12475	0.063 ppbv	# 29
34) 2-Butanone	5.25	43	149489	0.833 ppbv	# 87
36) Benzene	6.88	78	37747	0.141 ppbv	# 88
38) Trichloroethene	7.83	130	37662	0.306 ppbv	# 76
39) 1,2-Dichloropropane	7.17	63	778326	7.294 ppbv	# 23
51) 2-Hexanone	10.13	43	91513	0.438 ppbv	# 94
52) Tetrachloroethene	11.21	164	144035	1.375 ppbv	# 97
53) Toluene	9.80	91	352379	1.141 ppbv	# 97
58) Ethyl Benzene	12.70	91	259061	0.632 ppbv	# 96
59) m/p-Xylene	12.95	91	1003762	2.782 ppbv	# 91
60) o-Xylene	13.68	91	468445	1.382 ppbv	# 100
61) Styrene	13.51	104	36376	0.200 ppbv	# 96
62) Isopropylbenzene	14.65	105	17630	0.035 ppbv	# 50
64) n-propylbenzene	15.54	120	16684	0.135 ppbv	# 1
65) tert-Butylbenzene	16.75	119	126669	0.275 ppbv	# 73
67) sec-Butylbenzene	17.28	105	24255	0.039 ppbv	# 63
69) p-Isopropyltoluene	17.63	119	36019	0.068 ppbv	# 47
70) n-Butylbenzene	18.53	91	64807	0.119 ppbv	# 46
72) 4-Ethyltoluene	15.82	105	306490	0.771 ppbv	# 98
73) 1,3,5-Trimethylbenzene	15.98	105	270882	0.756 ppbv	# 96
74) 1,2,4-Trimethylbenzene	16.75	105	1181378	2.954 ppbv	# 65
79) Naphthalene	22.17	128	99676	0.324 ppbv	# 96
80) Naphthalene,2-methyl-	25.27	142	8376	0.073 ppbv	# 93

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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

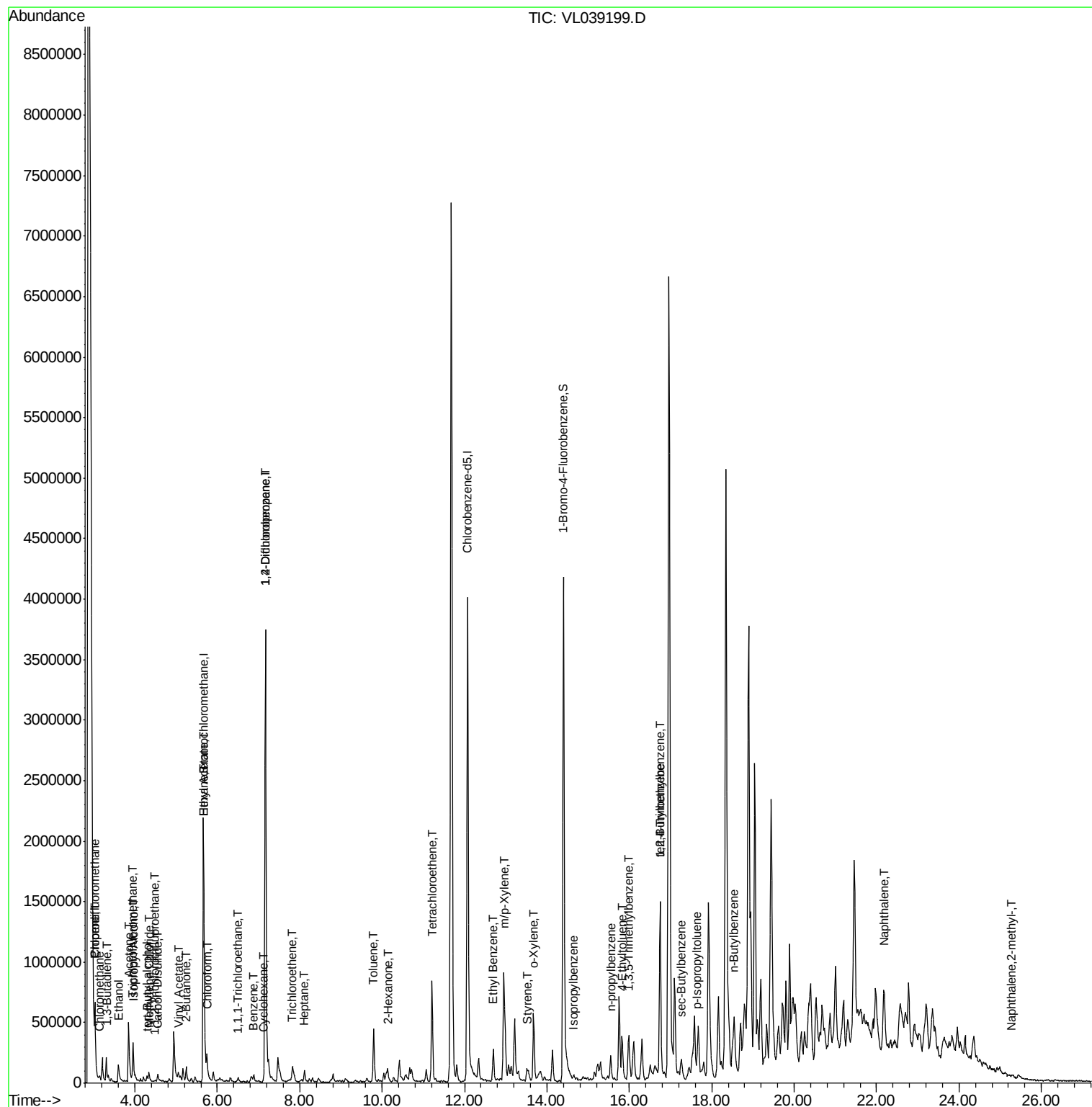
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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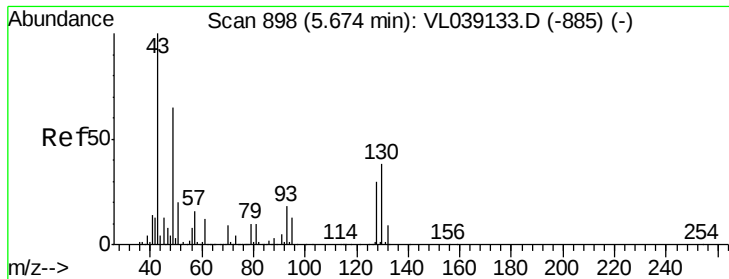
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 00:41

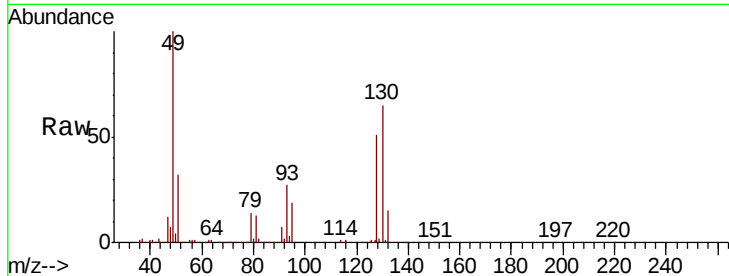
Tot Ion: 49 Resp: 1172801

Ion Ratio Lower Upper

49 100

128 54.0 24.7 74.1

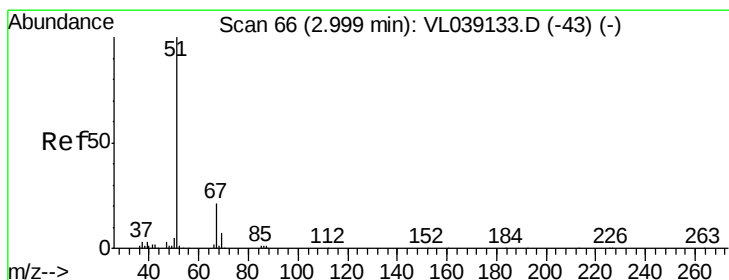
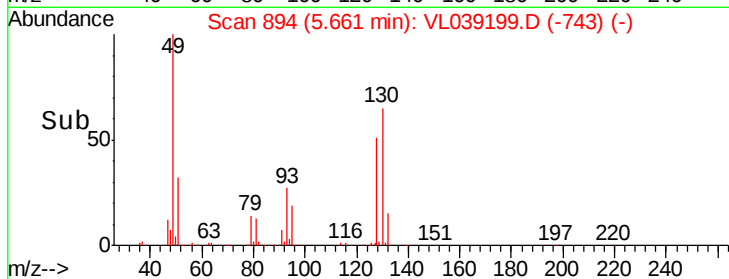
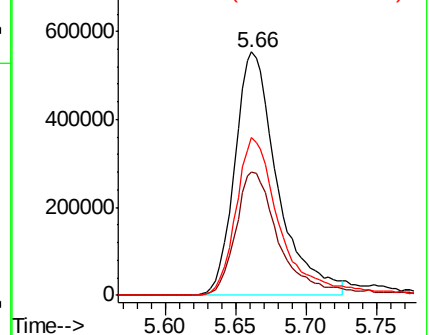
130 68.1 31.4 94.0



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



#3

Chlorodifluoromethane

Concen: 1.409 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.03 min

Lab File: VL039199.D

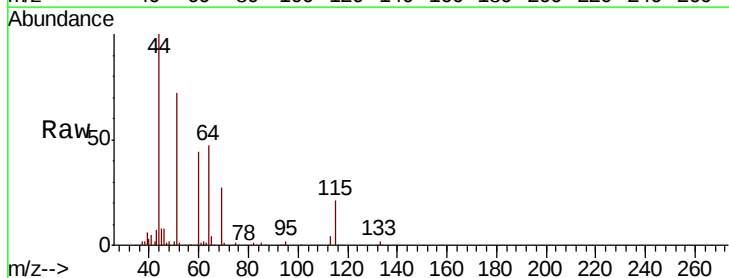
Acq: 7 Jun 2022 00:41

Tgt Ion: 51 Resp: 210304

Ion Ratio Lower Upper

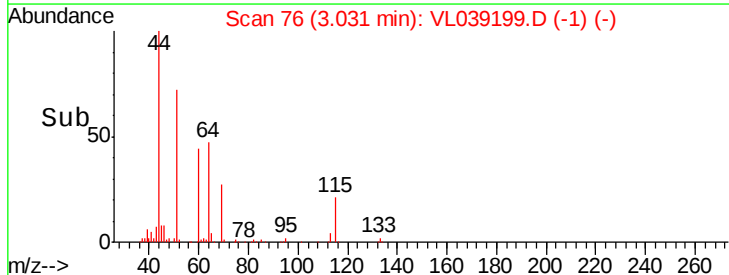
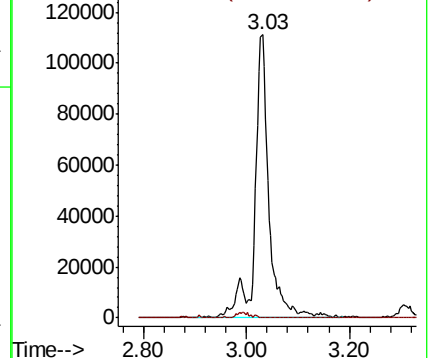
51 100

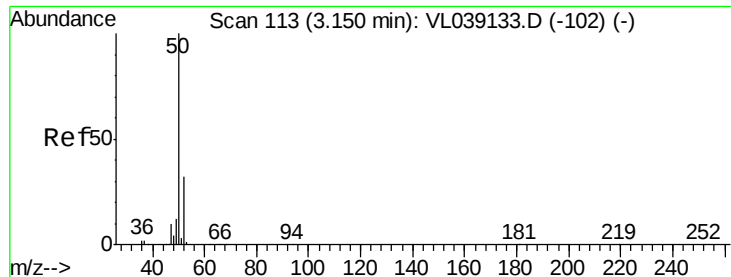
67 1.9 16.2 24.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.307 ppbv

RT: 3.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

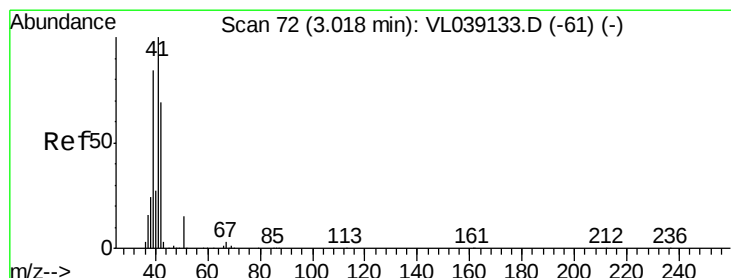
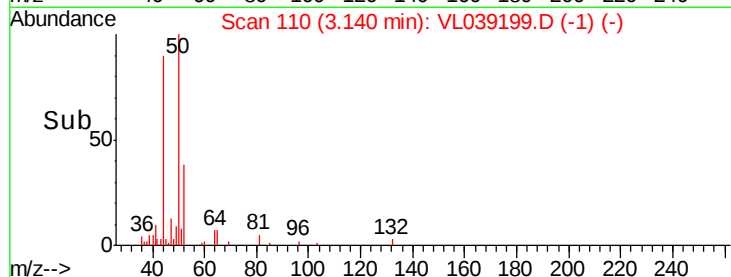
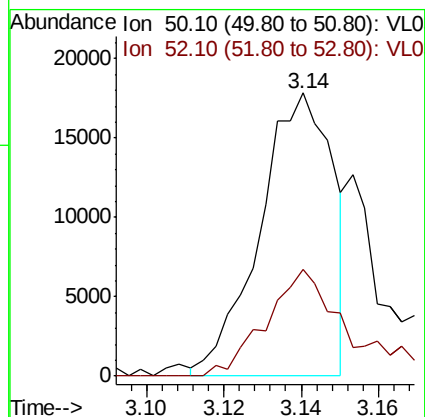
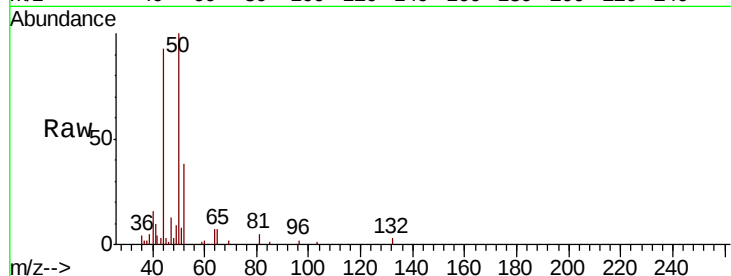
Acq: 7 Jun 2022 00:41

Tot Ion: 50 Resp: 23538

Ion Ratio Lower Upper

50 100

52 39.1 25.9 38.9#



#9

Propene

Concen: 0.187 ppbv

RT: 3.01 min Scan# 71

Delta R.T. -0.00 min

Lab File: VL039199.D

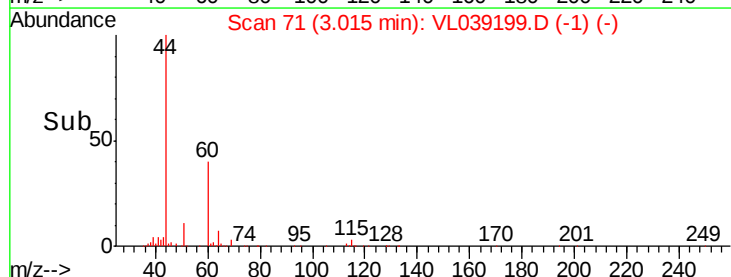
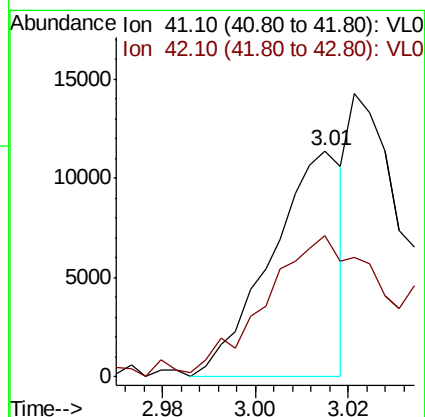
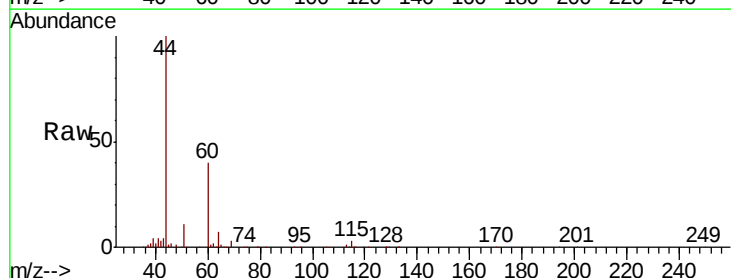
Acq: 7 Jun 2022 00:41

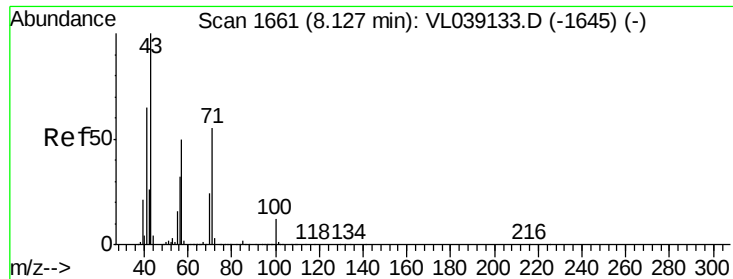
Tgt Ion: 41 Resp: 12153

Ion Ratio Lower Upper

41 100

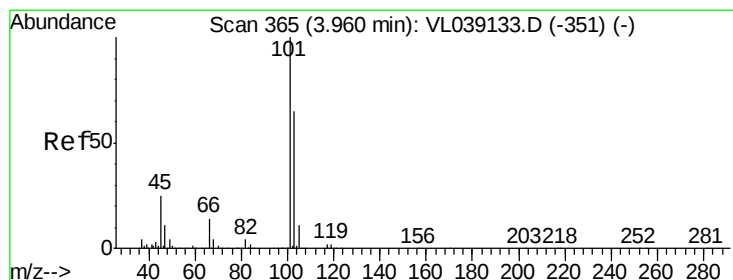
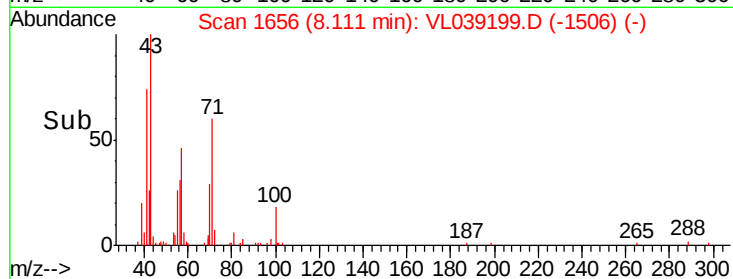
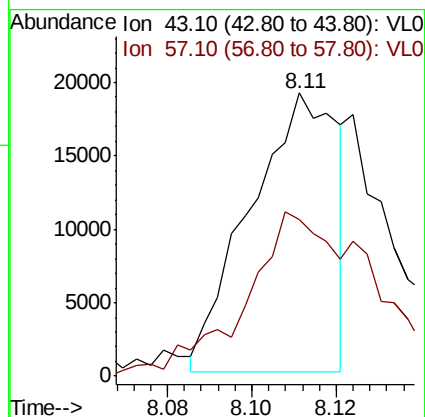
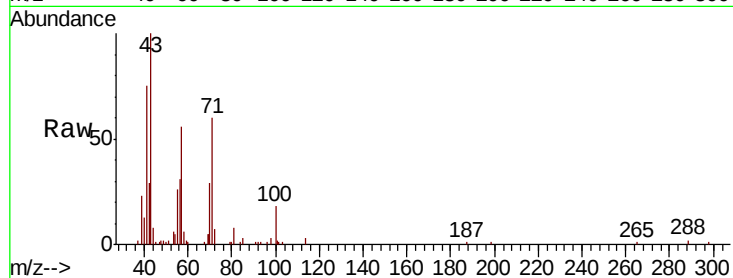
42 114.3 55.4 83.2#





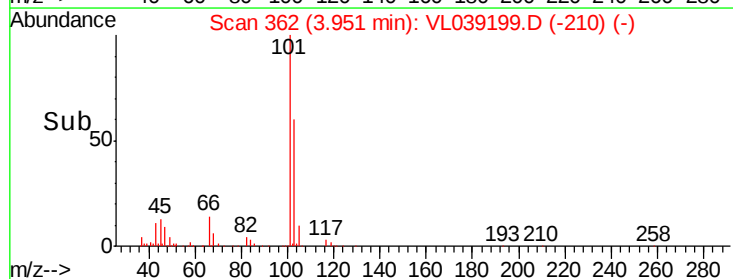
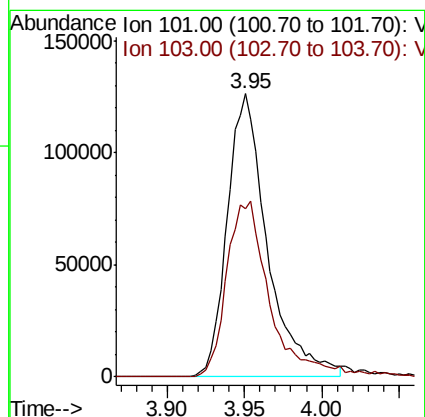
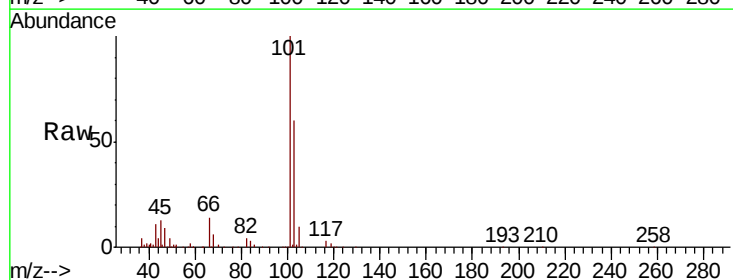
#10
 Heptane
 Concen: 0.179 ppbv
 RT: 8.11
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 00:41

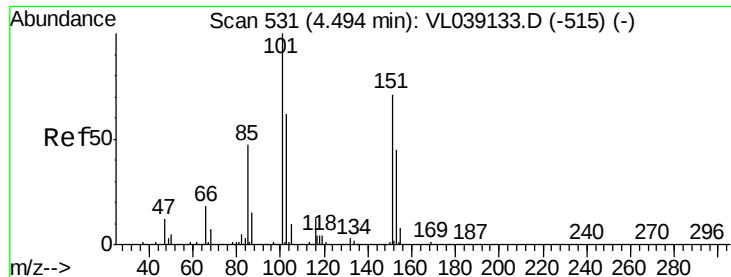
Tot Ion: 43 Resp: 27243
 Ion Ratio Lower Upper
 43 100
 57 96.6 41.4 62.2#



#11
 Trichlorofluoromethane
 Concen: 1.215 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VL039199.D
 Acq: 7 Jun 2022 00:41

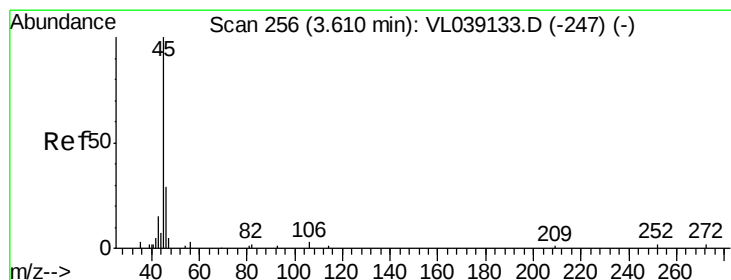
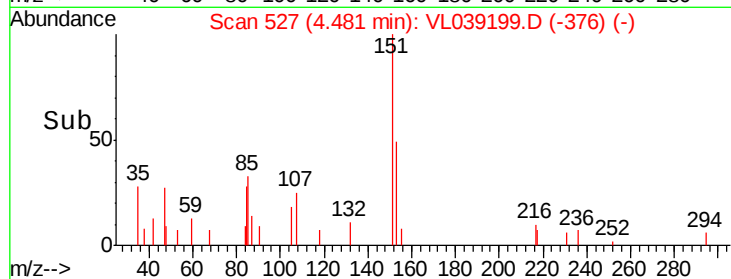
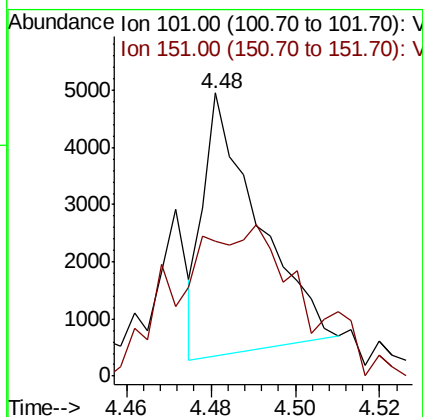
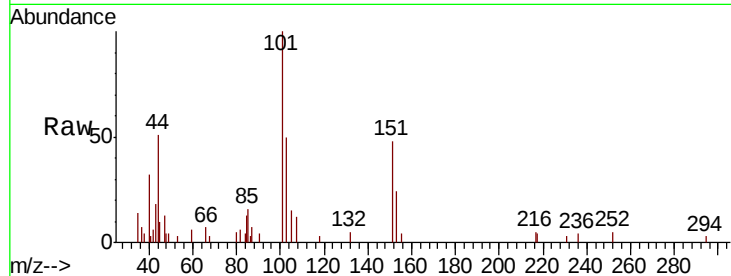
Tgt Ion:101 Resp: 226469
 Ion Ratio Lower Upper
 101 100
 103 59.5 51.7 77.5





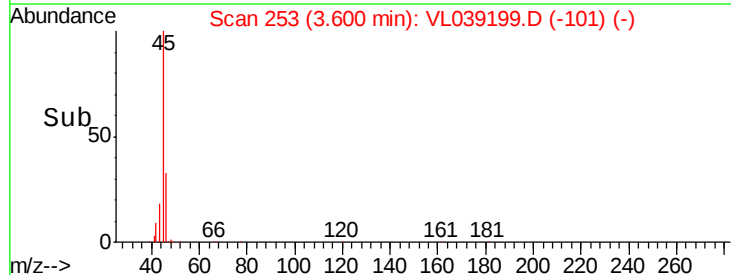
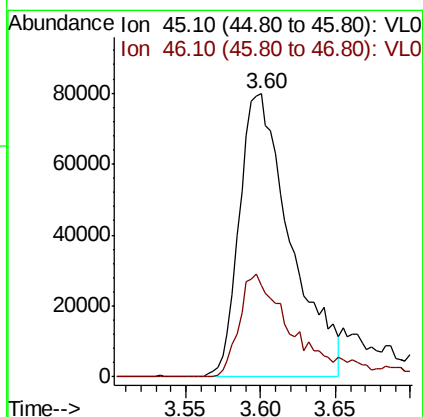
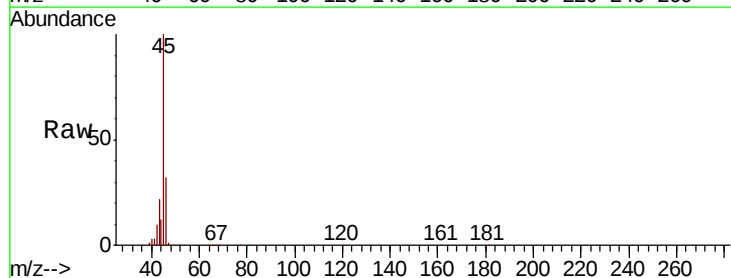
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.034 ppbv
 RT: 4.48
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 00:41

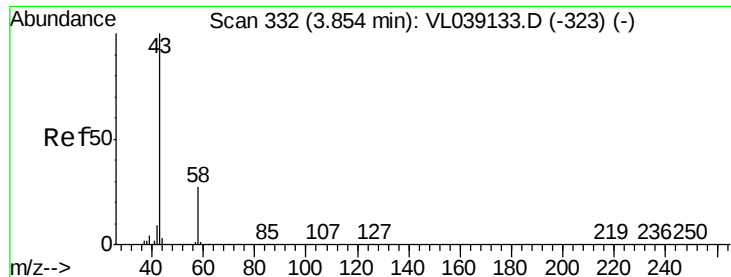
Tot Ion:101 Resp: 4132
 Ion Ratio Lower Upper
 101 100
 151 133.8 59.4 89.0#



#13
 Ethanol
 Concen: 53.519 ppbv
 RT: 3.60 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VL039199.D
 Acq: 7 Jun 2022 00:41

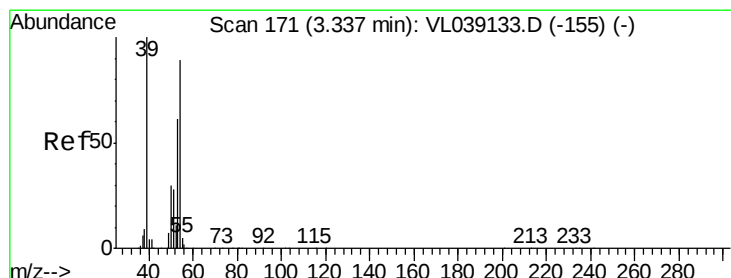
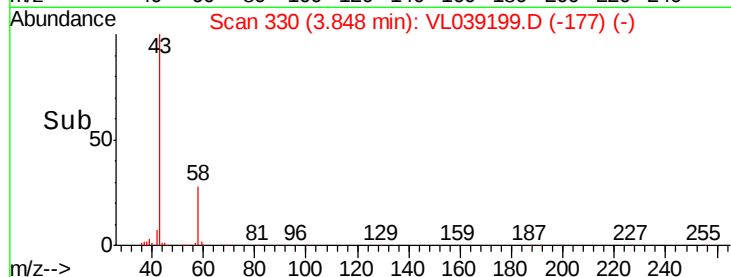
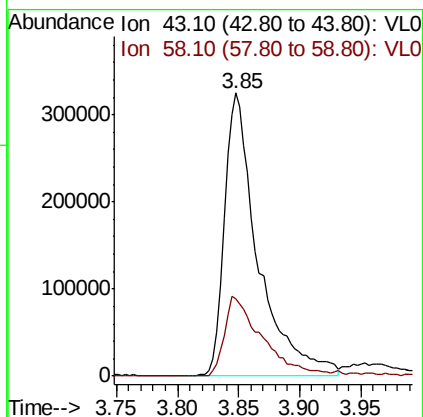
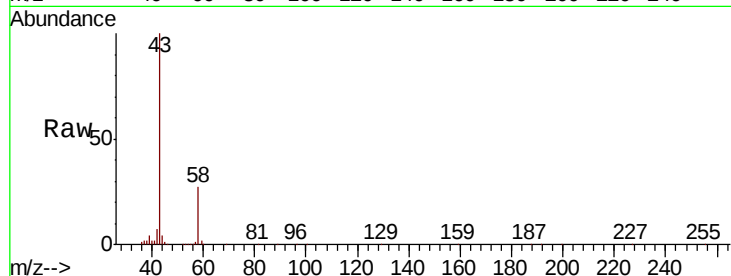
Tgt Ion: 45 Resp: 189914
 Ion Ratio Lower Upper
 45 100
 46 42.7 0.0 0.0#





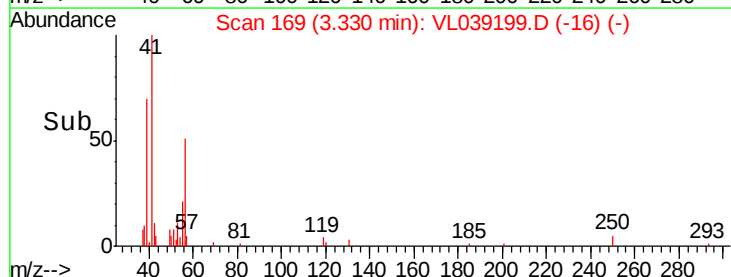
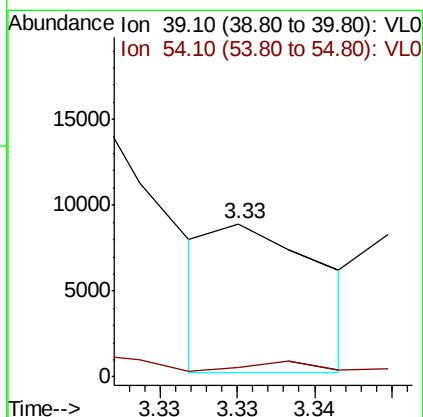
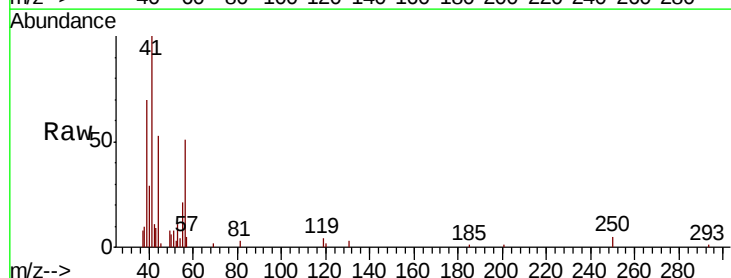
#15
Acetone
Concen: 5.099 ppbv
RT: 3.85
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Jun 2022 00:41

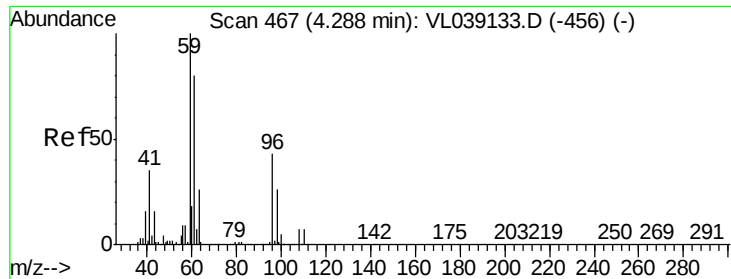
Tot Ion: 43 Resp: 622929
Ion Ratio Lower Upper
43 100
58 33.4 22.5 33.7



#16
1,3-Butadiene
Concen: 0.064 ppbv
RT: 3.33 min Scan# 169
Delta R.T. -0.01 min
Lab File: VL039199.D
Acq: 7 Jun 2022 00:41

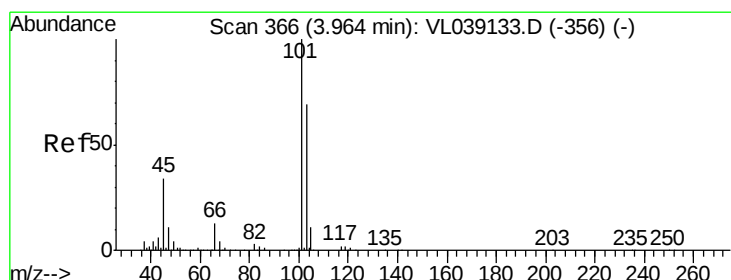
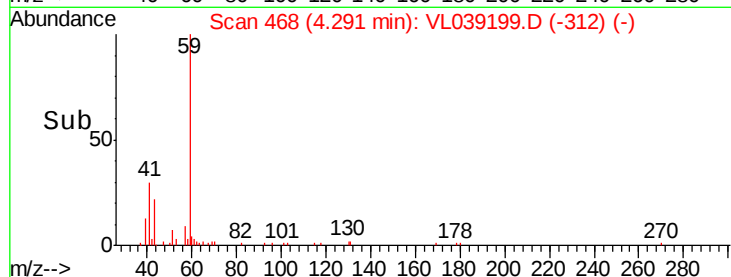
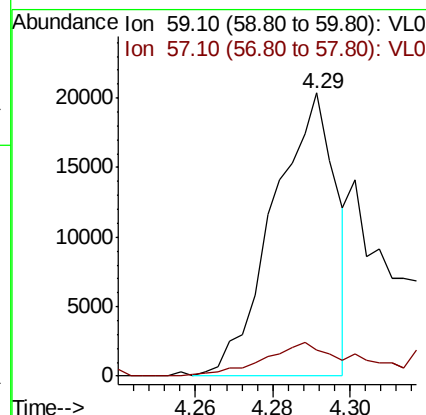
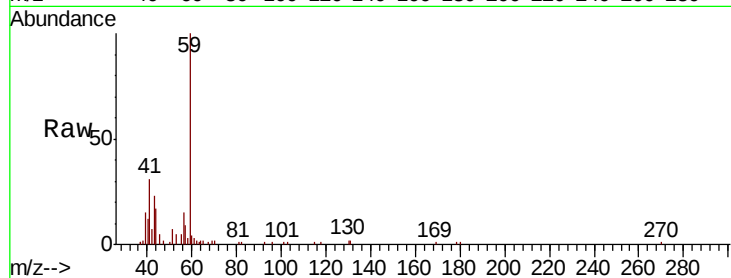
Tgt Ion: 39 Resp: 4209
Ion Ratio Lower Upper
39 100
54 0.0 65.8 98.6#





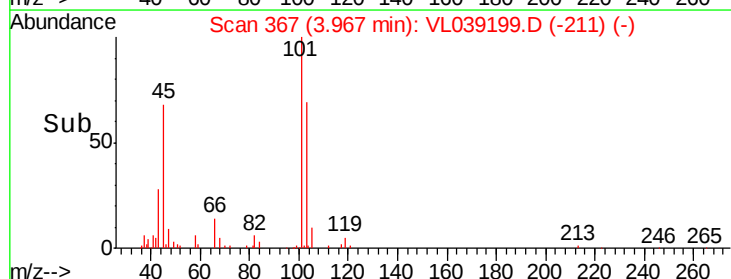
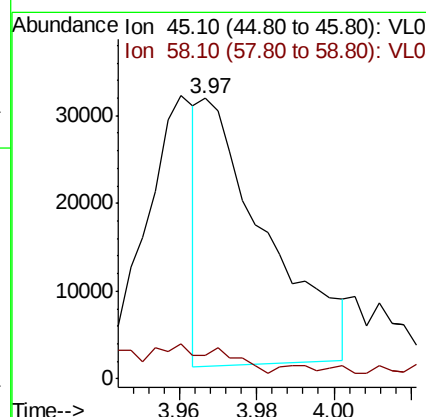
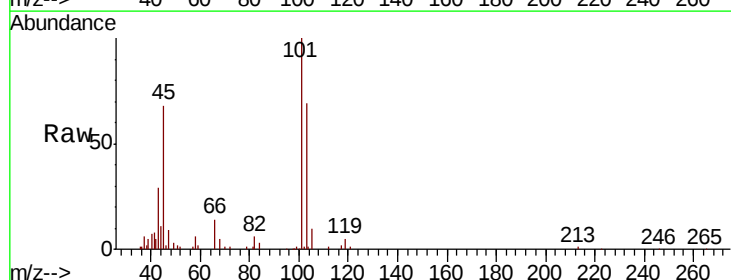
#17
 tert-Butyl alcohol
 Concen: 0.242 ppbv
 RT: 4.29
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 7 Jun 2022 00:41

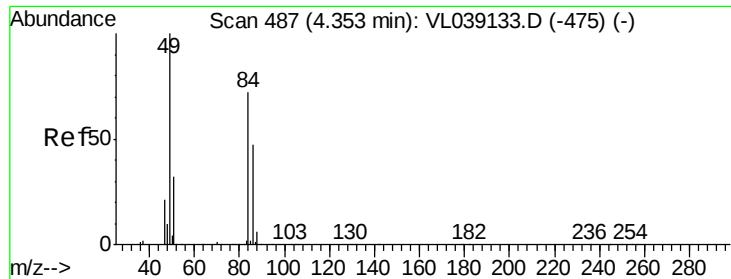
Tot Ion: 59 Resp: 22928
 Ion Ratio Lower Upper
 59 100
 57 21.3 9.1 13.7#



#19
 Isopropyl Alcohol
 Concen: 0.628 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T.: 0.00 min
 Lab File: VL039199.D
 Acq: 7 Jun 2022 00:41

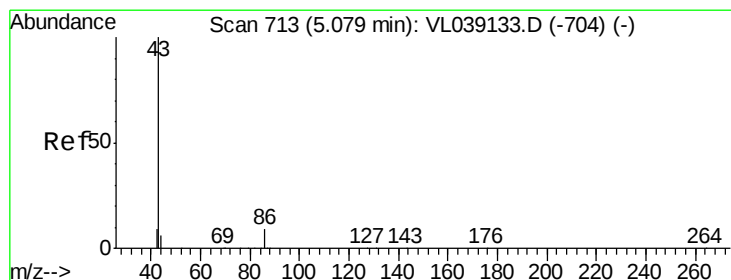
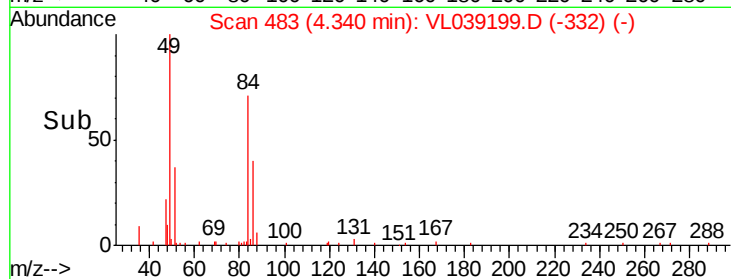
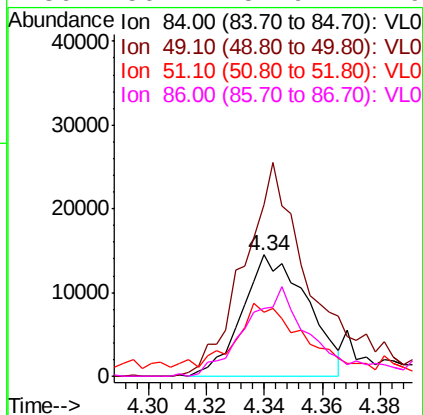
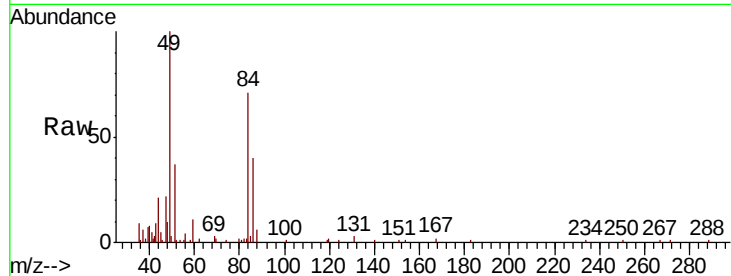
Tgt Ion: 45 Resp: 36000
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.8 2.8#





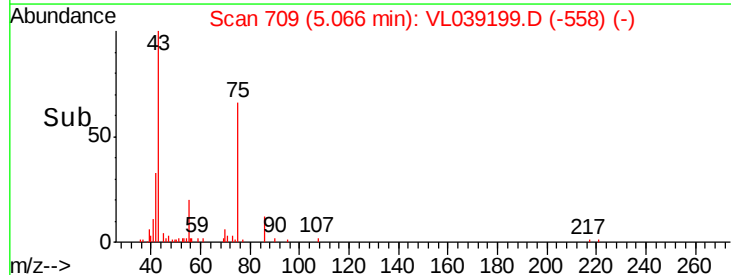
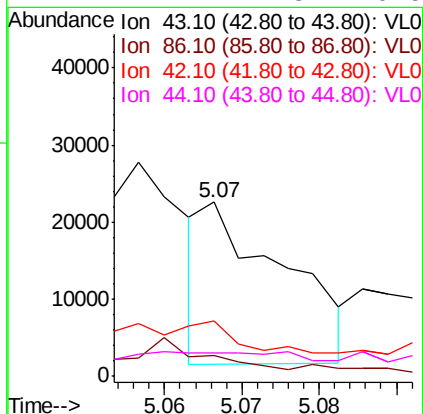
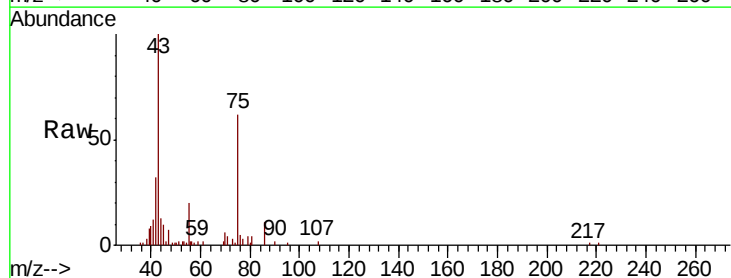
#20
Methvlene Chloride
Concen: 0.440 ppbv
RT: 4.34
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Jun 2022 00:41

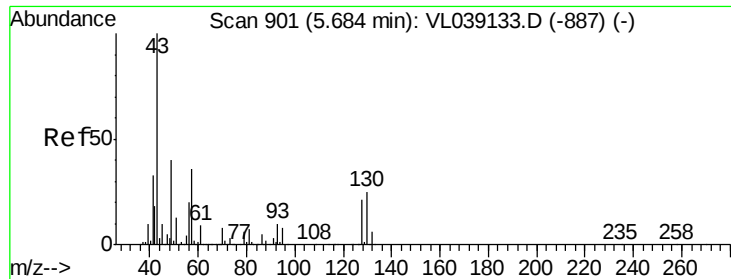
Tot Ion:	84	Resp:	22658
Ion	Ratio	Lower	Upper
84	100		
49	138.0	111.1	166.7
51	39.2	35.3	52.9
86	56.4	51.9	77.9



#23
Vinyl Acetate
Concen: 0.153 ppbv
RT: 5.07 min Scan# 709
Delta R.T. -0.01 min
Lab File: VL039199.D
Acq: 7 Jun 2022 00:41

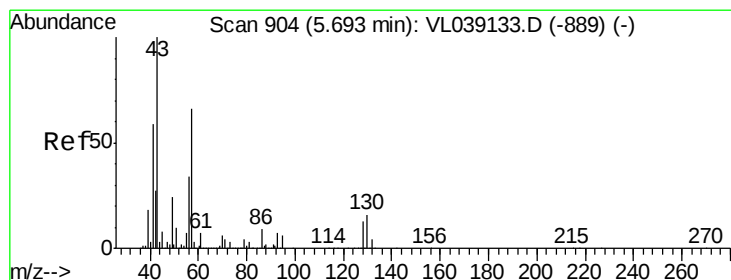
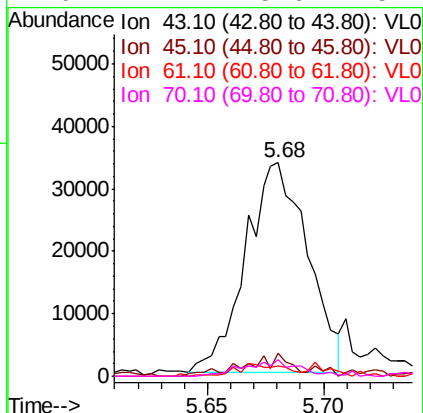
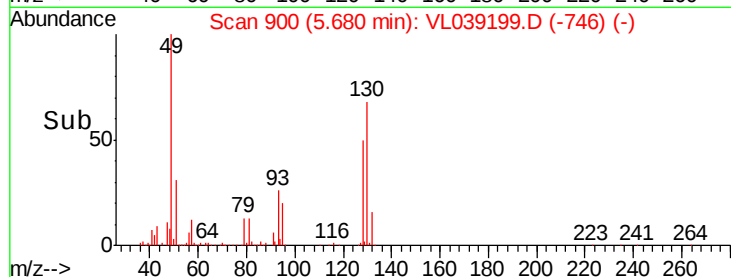
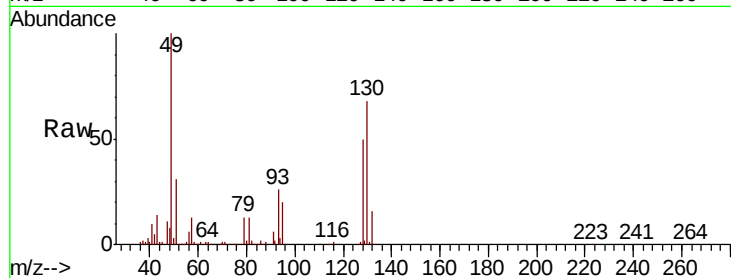
Tgt Ion:	43	Resp:	15488
Ion	Ratio	Lower	Upper
43	100		
86	11.1	6.0	9.0#
42	31.2	8.2	12.4#
44	7.4	4.3	6.5#





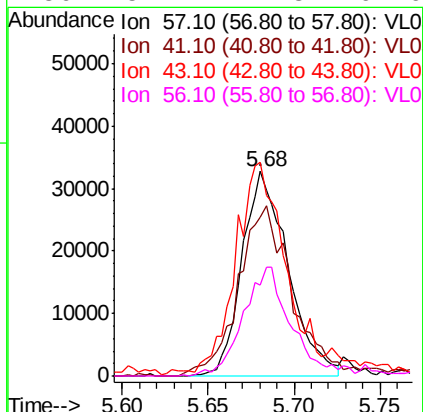
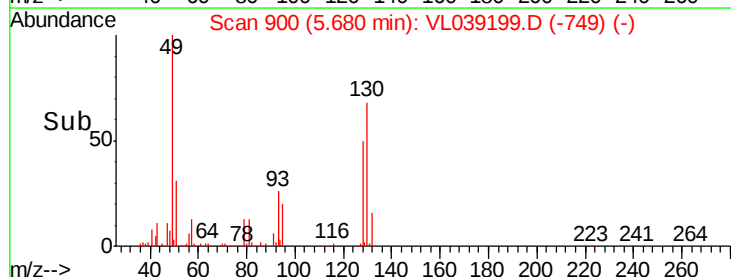
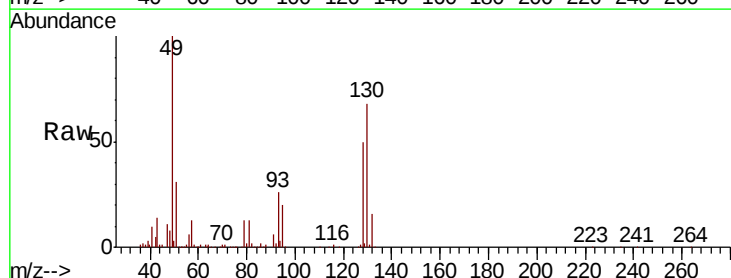
#25
Ethyl Acetate
Concen: 0.226 ppbv
RT: 5.68 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Jun 2022 00:41

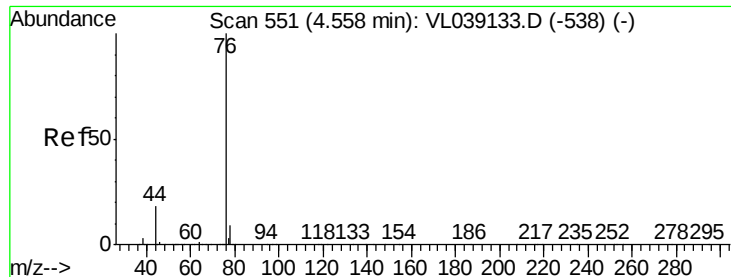
Tot Ion:	43	Resp:	62321
Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.2	12.2
61	0.0	8.4	12.6
70	7.1	5.6	8.4



#26
Hexane
Concen: 0.502 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL039199.D
Acq: 7 Jun 2022 00:41

Tgt Ion:	57	Resp:	60749
Ion	Ratio	Lower	Upper
57	100		
41	99.0	72.4	108.6
43	118.5	187.0	280.6
56	57.4	41.8	62.6





#27

Carbon Disulfide

Concen: 0.378 ppbv

RT: 4.55 Instrument:

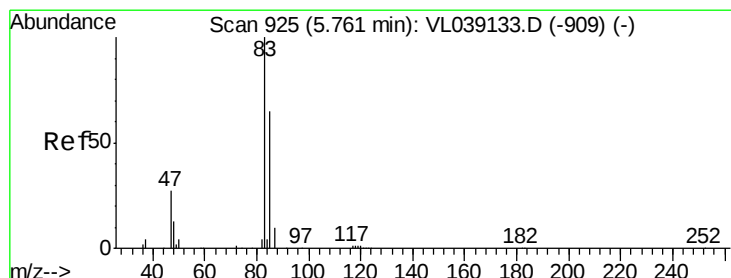
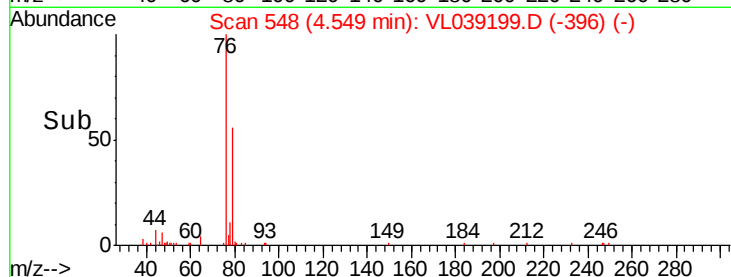
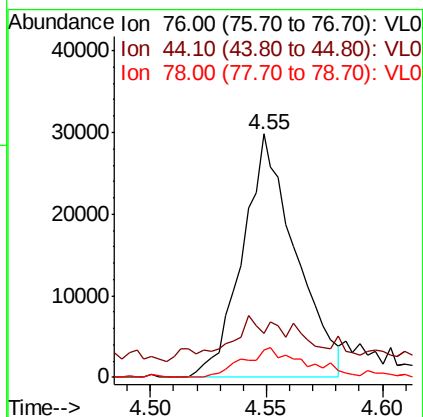
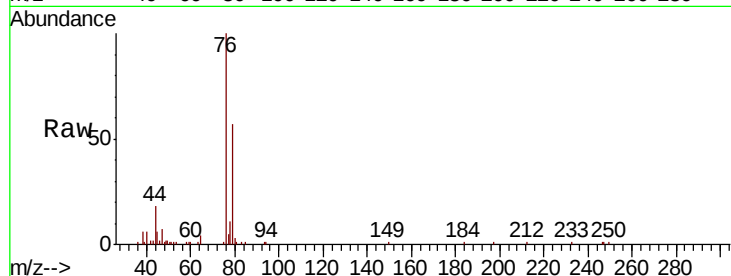
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Jun 2022 00:41

Tot Ion: 76 Resp: 47429

Ion	Ratio	Lower	Upper
76	100		
44	24.7	14.4	21.6#
78	15.5	7.7	11.5#



#29

Chloroform

Concen: 0.606 ppbv

RT: 5.74 min Scan# 920

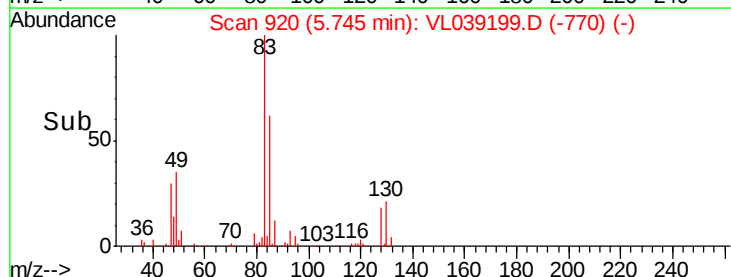
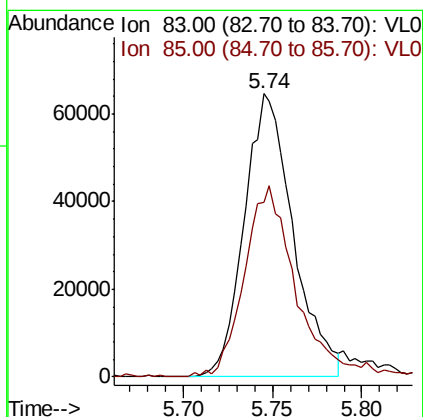
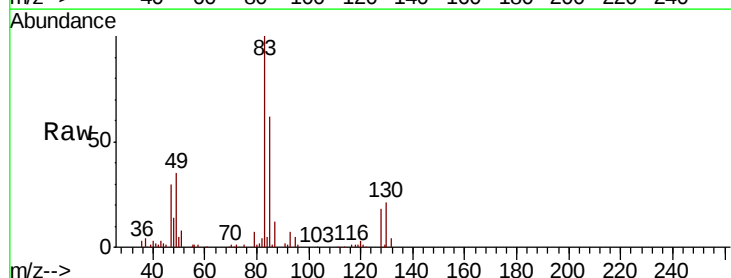
Delta R.T. -0.02 min

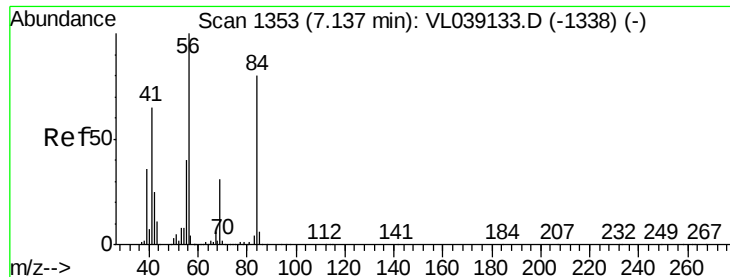
Lab File: VL039199.D

Acq: 7 Jun 2022 00:41

Tgt Ion: 83 Resp: 123433

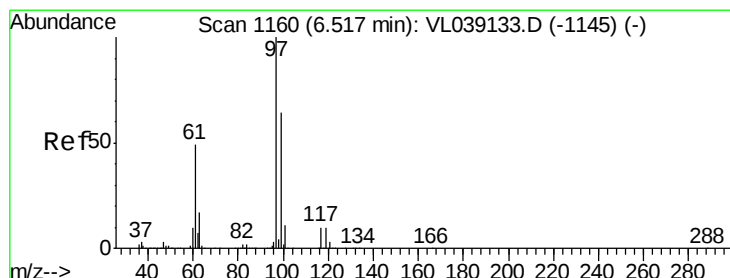
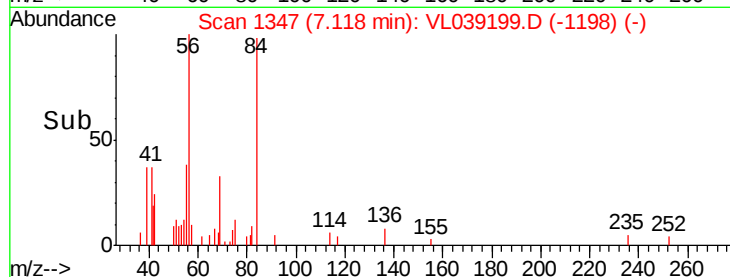
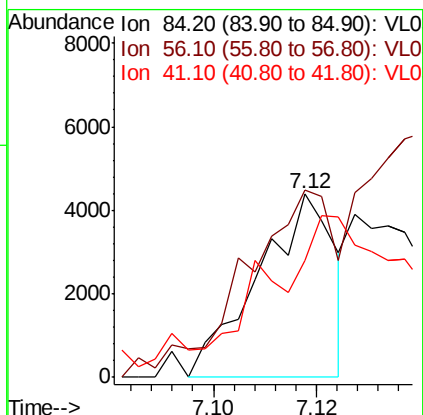
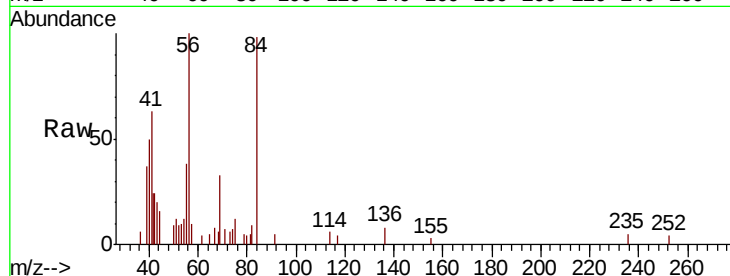
Ion	Ratio	Lower	Upper
83	100		
85	61.6	52.4	78.6





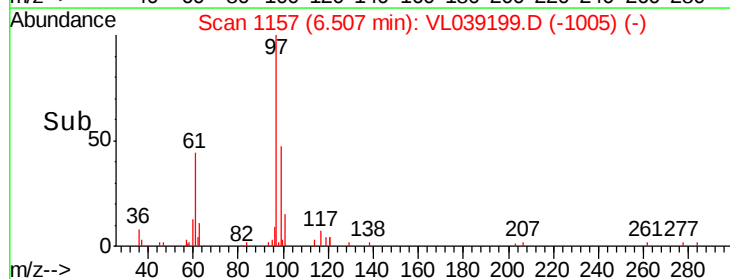
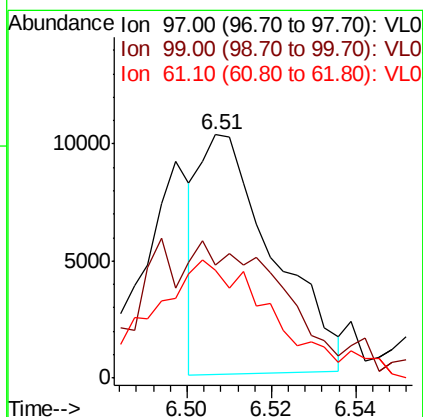
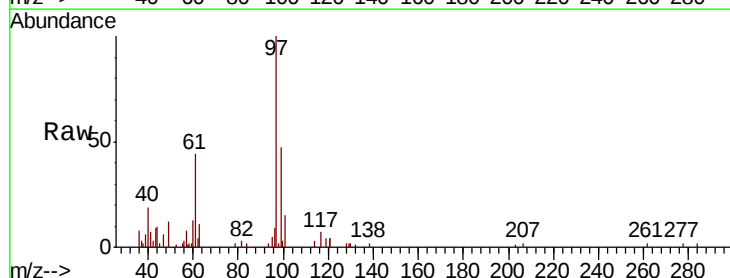
#30
Cvclohexane
Concen: 0.044 ppbv
RT: 7.12 Instrument :
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 7 Jun 2022 00:41

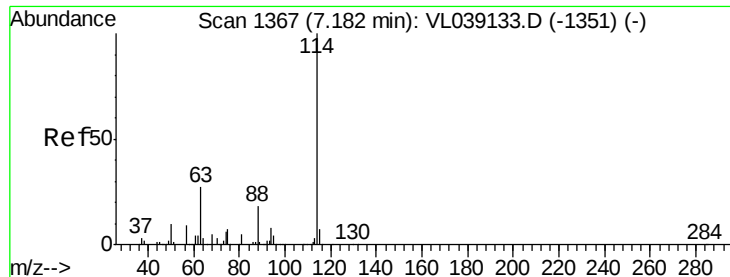
Tot Ion	84.20	Resp	4474
Ion	Ratio	Lower	Upper
84	100		
56	0.0	110.6	165.8#
41	162.1	68.9	103.3#



#32
1,1,1-Trichloroethane
Concen: 0.063 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VL039199.D
Acq: 7 Jun 2022 00:41

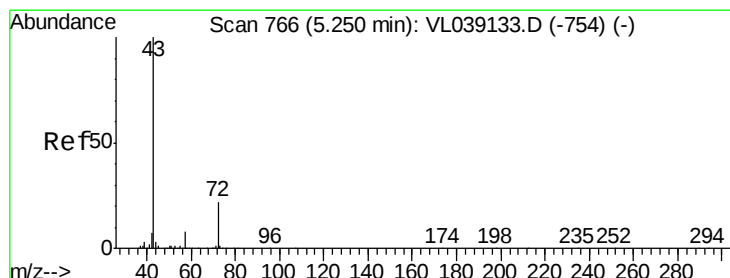
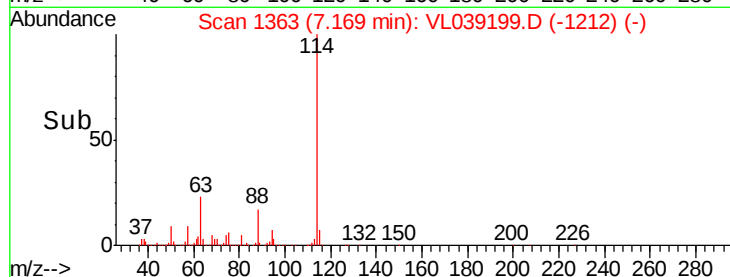
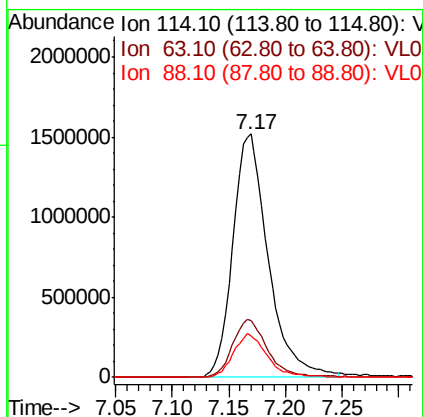
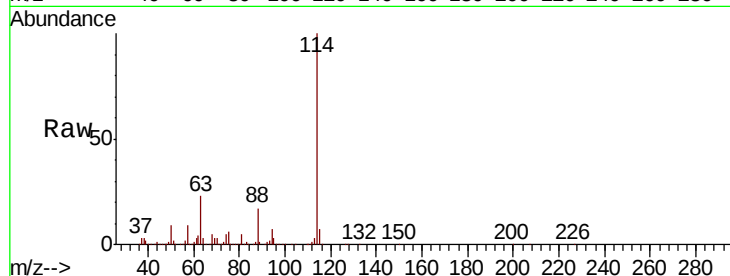
Tgt Ion	97	Resp	12475
Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.1	78.1#
61	88.8	40.0	60.0#





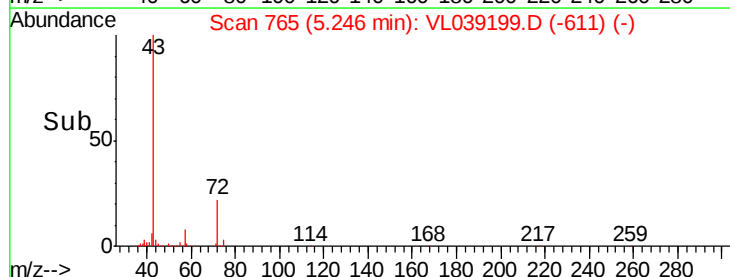
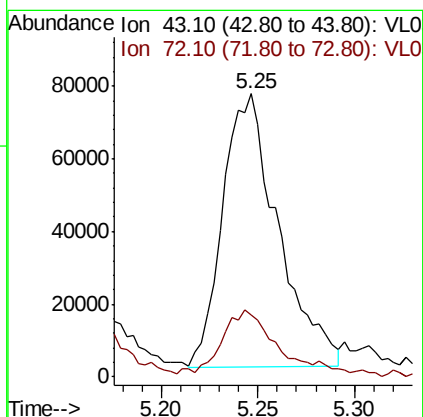
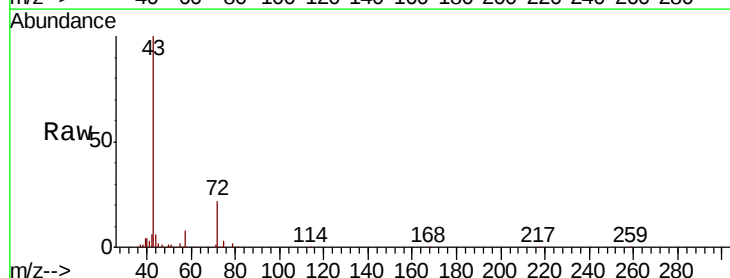
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 00:41

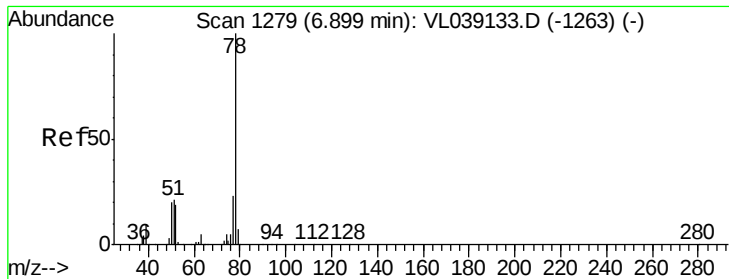
Tot Ion:114 Resp: 3304370
 Ion Ratio Lower Upper
 114 100
 63 24.0 21.7 32.5
 88 17.4 14.8 22.2



#34
 2-Butanone
 Concen: 0.833 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VL039199.D
 Acq: 7 Jun 2022 00:41

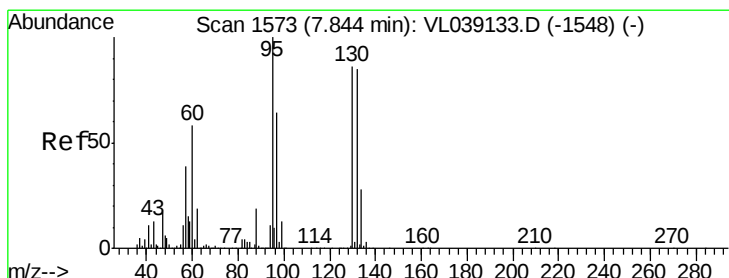
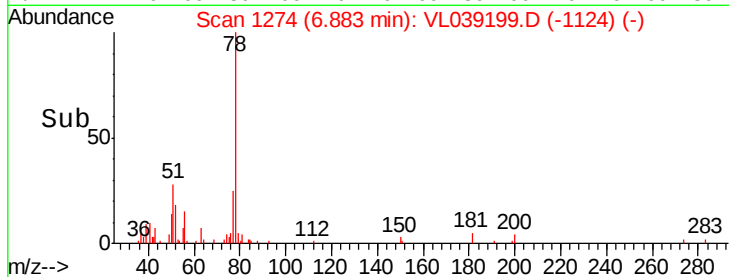
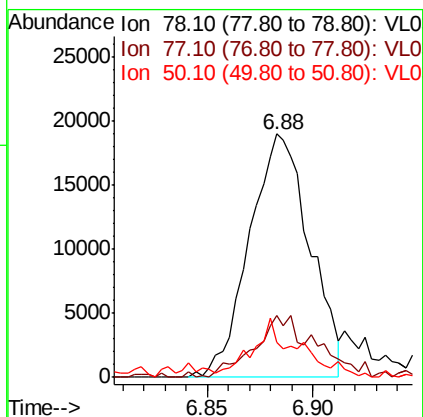
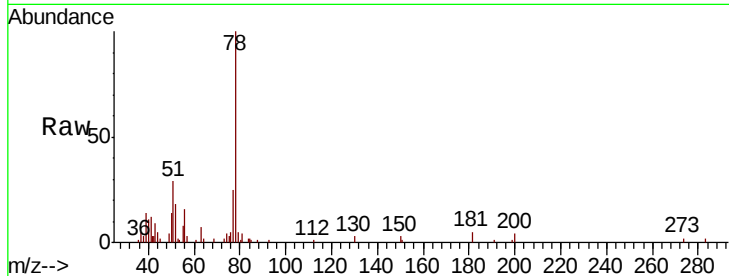
Tgt Ion: 43 Resp: 149489
 Ion Ratio Lower Upper
 43 100
 72 28.9 18.2 27.2#





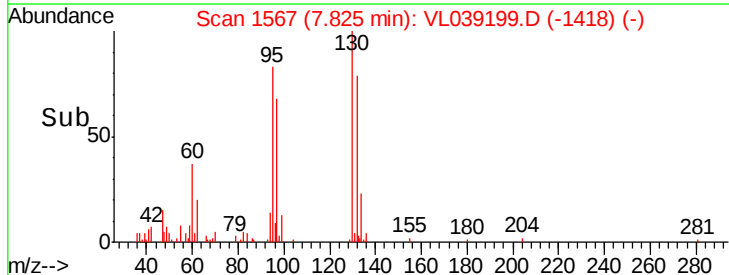
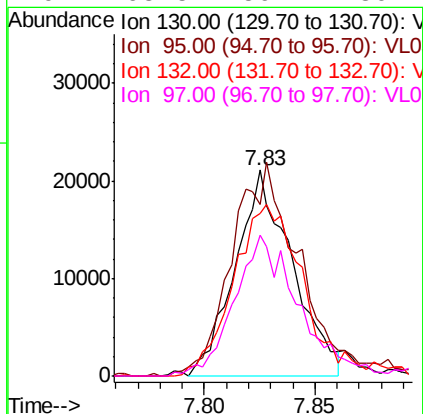
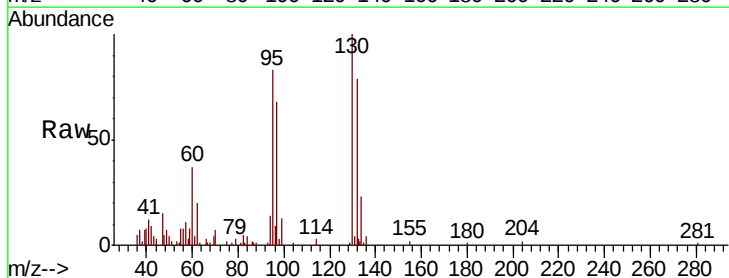
#36
Benzene
Concen: 0.141 ppbv
RT: 6.88
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 7 Jun 2022 00:41

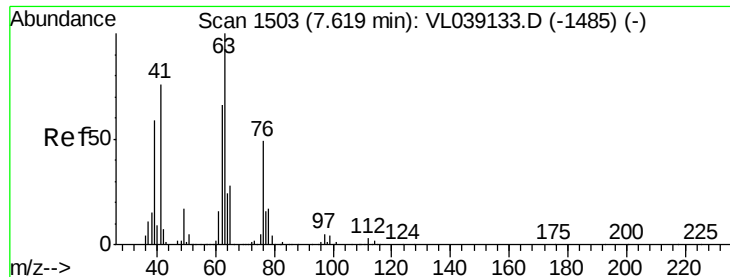
Tot Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	27.8
50	8.6	15.8	23.8#



#38
Trichloroethene
Concen: 0.306 ppbv
RT: 7.83 min Scan# 1567
Delta R.T. -0.02 min
Lab File: VL039199.D
Acq: 7 Jun 2022 00:41

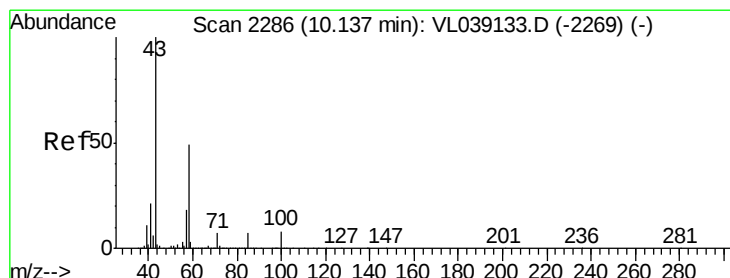
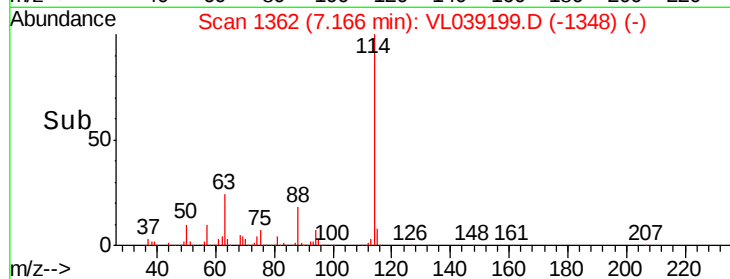
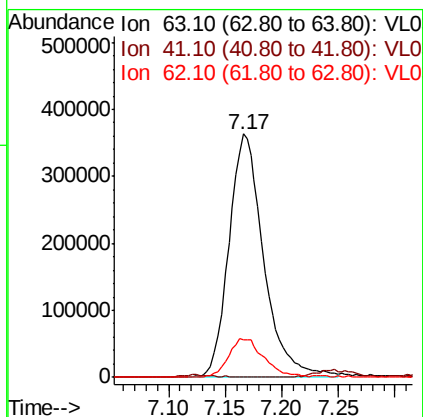
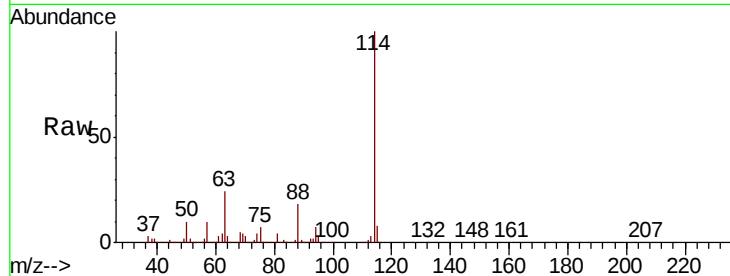
Tgt Ion	Ratio	Lower	Upper
130	100		
95	79.1	93.3	139.9#
132	78.0	79.0	118.4#
97	65.5	59.4	89.2





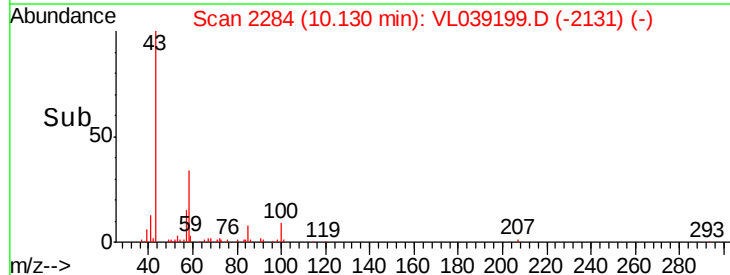
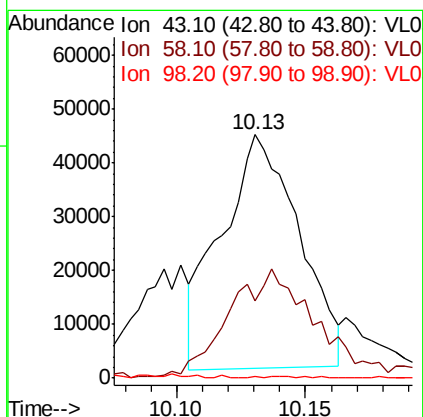
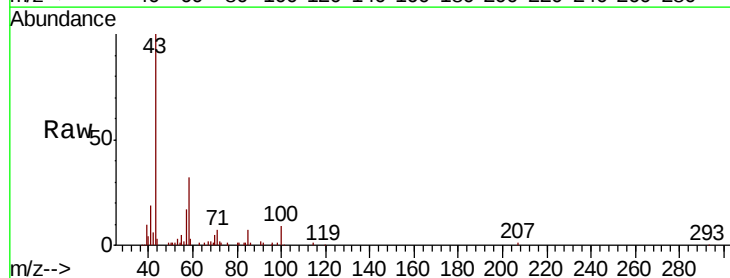
#39
 1,2-Dichloropropane
 Concen: 7.294 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 00:41

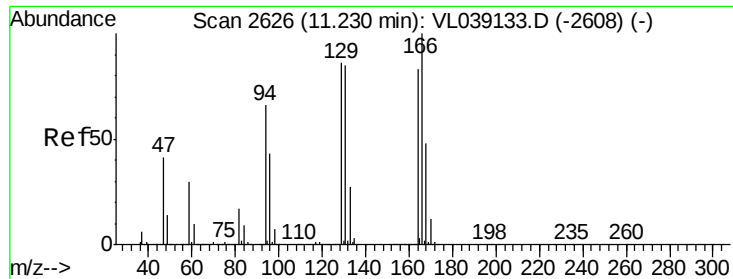
Tot Ion	63	Resp	778326
Ion Ratio	100	Lower	Upper
41	0.0	60.8	91.2#
62	15.4	52.9	79.3#



#51
 2-Hexanone
 Concen: 0.438 ppbv
 RT: 10.13 min Scan# 2284
 Delta R.T. -0.01 min
 Lab File: VL039199.D
 Acq: 7 Jun 2022 00:41

Tgt Ion	43	Resp	91513
Ion Ratio	100	Lower	Upper
58	54.2	40.0	60.0
98	0.0	0.1	0.1#





#52

Tetrachloroethene

Concen: 1.375 ppbv

RT: 11.21

Delta R.T. MSVOA_L

Lab File:

Acq: 7 Jun 2022 00:41

ClientSampleId:

Tot Ion:164 Resp: 144035

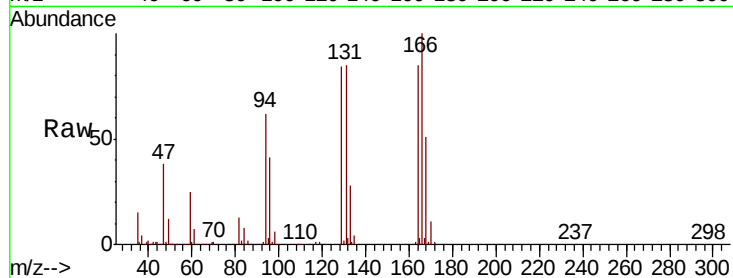
Ion Ratio Lower Upper

164 100

166 117.2 96.3 144.5

129 98.4 82.5 123.7

131 100.0 82.1 123.1

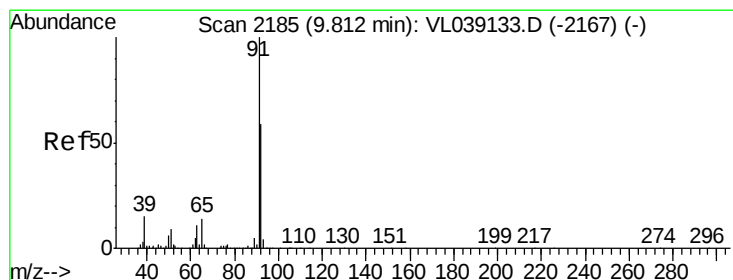
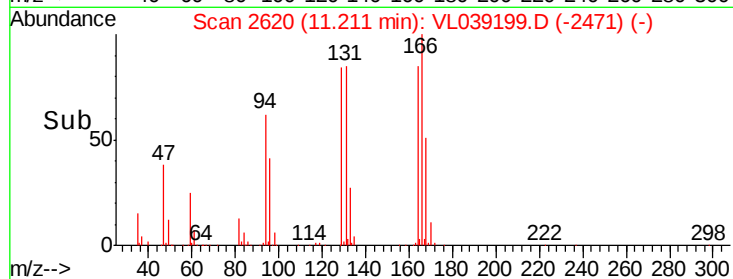
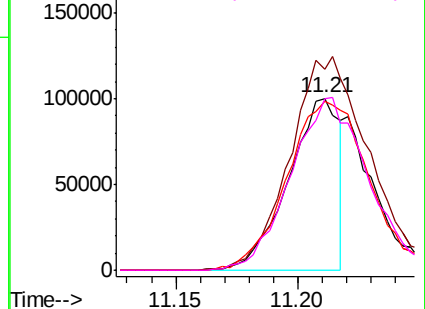


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.141 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.02 min

Lab File: VL039199.D

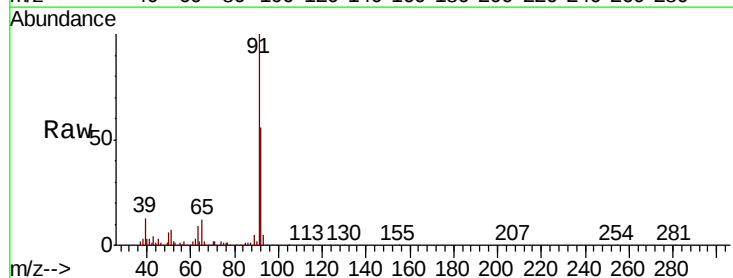
Acq: 7 Jun 2022 00:41

Tgt Ion: 91 Resp: 352379

Ion Ratio Lower Upper

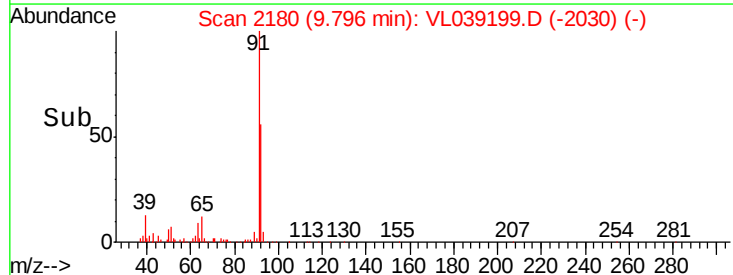
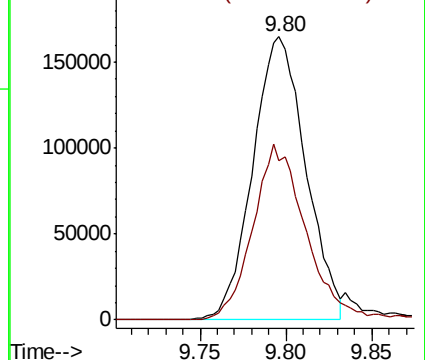
91 100

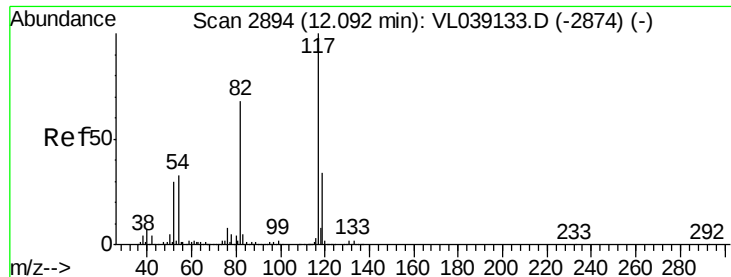
92 62.5 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

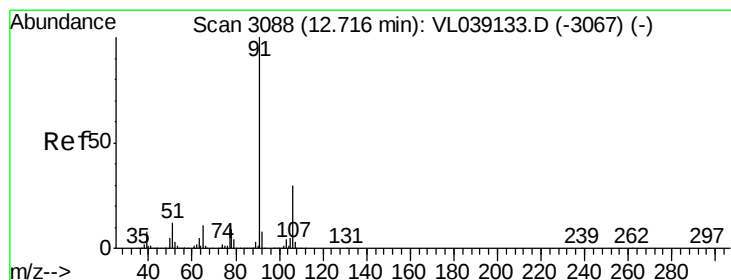
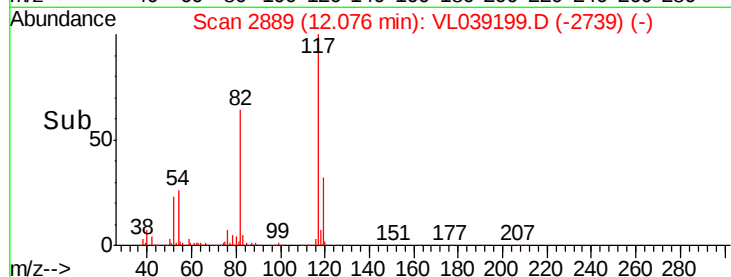
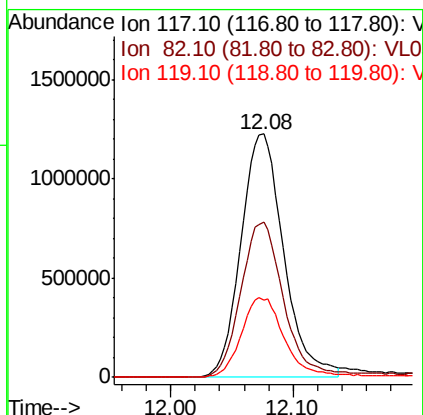
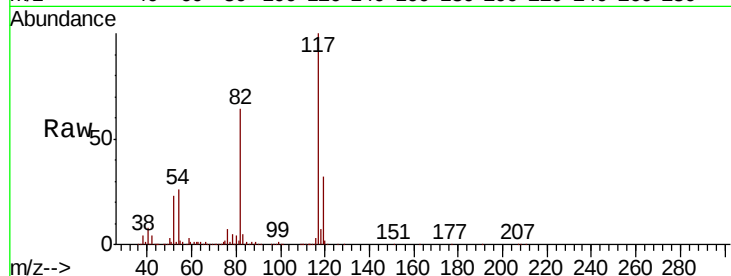




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 7 Jun 2022 00:41

Tot Ion: 117 Resp: 2973998

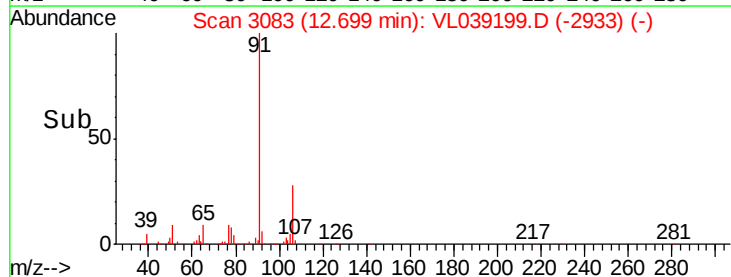
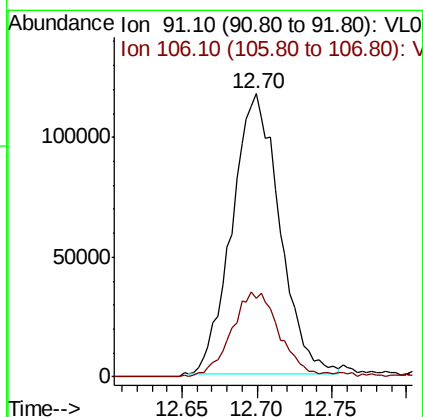
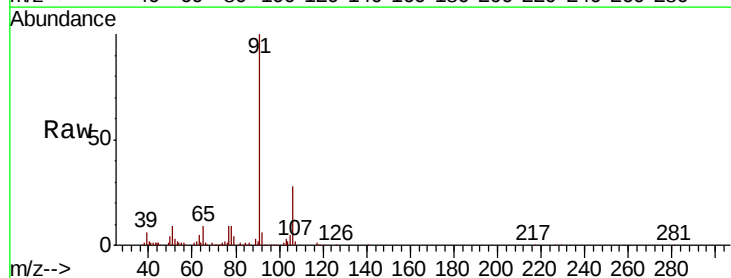
Ion	Ratio	Lower	Upper
117	100		
82	67.4	55.1	82.7
119	34.2	24.7	37.1

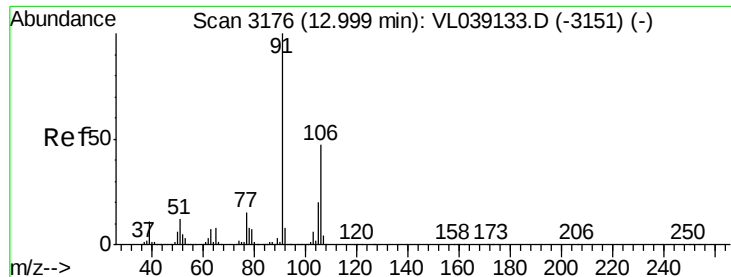


#58
Ethyl Benzene
Concen: 0.632 ppbv
RT: 12.70 min Scan# 3083
Delta R.T.: -0.02 min
Lab File: VL039199.D
Acq: 7 Jun 2022 00:41

Tgt Ion: 91 Resp: 259061

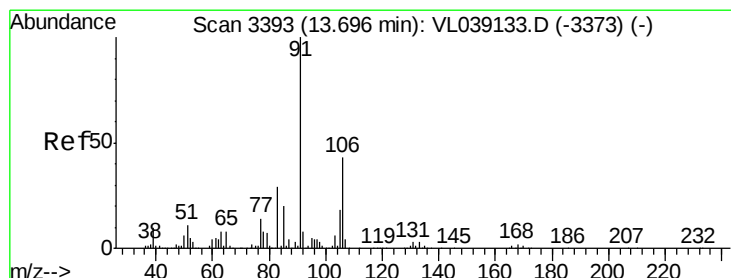
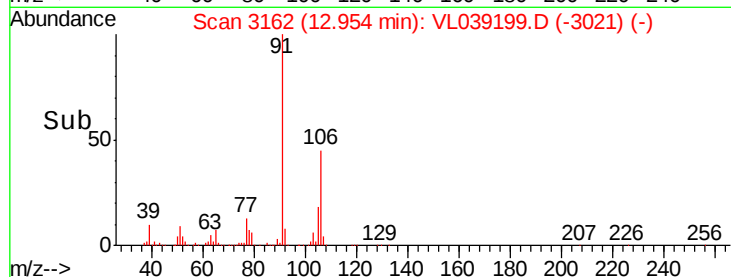
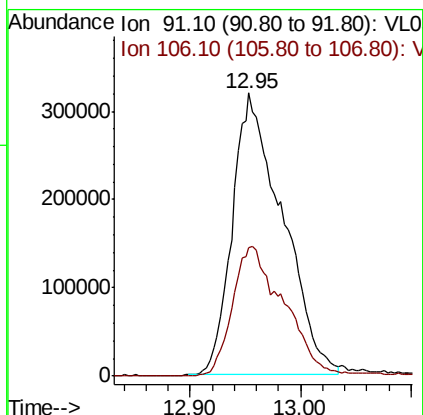
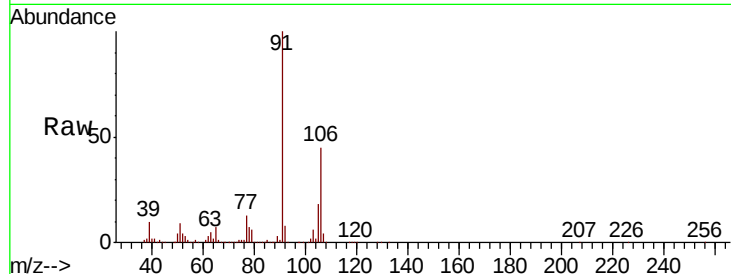
Ion	Ratio	Lower	Upper
91	100		
106	27.9	24.2	36.4





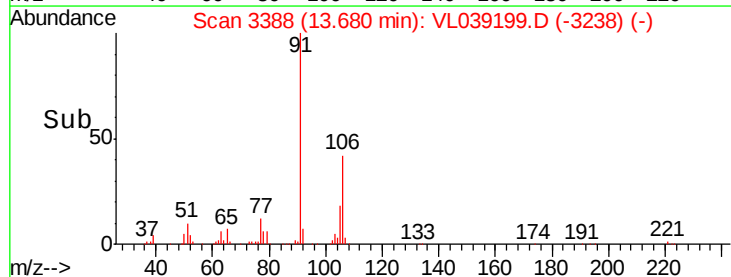
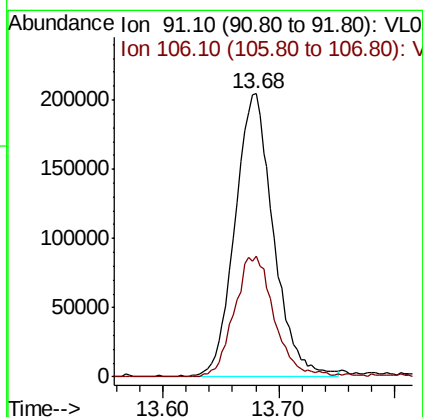
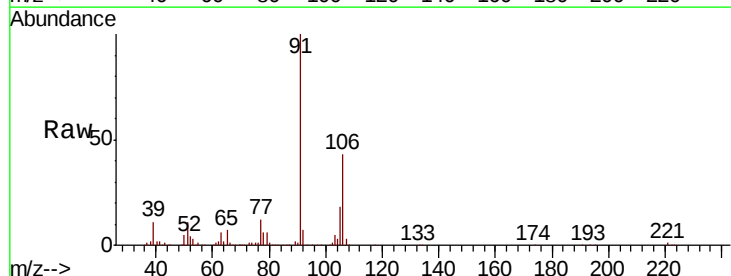
#59
m/p-Xylene
Concen: 2.782 ppbv
RT: 12.95
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 7 Jun 2022 00:41

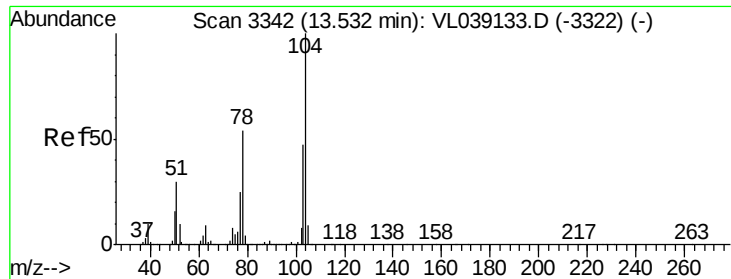
Tot Ion: 91 Resp: 1003762
Ion Ratio Lower Upper
91 100
106 49.0 34.3 51.5



#60
o-Xylene
Concen: 1.382 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.02 min
Lab File: VL039199.D
Acq: 7 Jun 2022 00:41

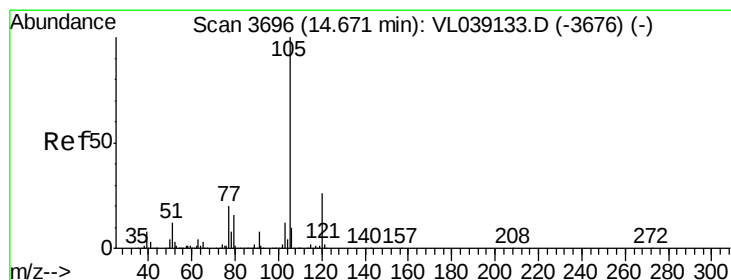
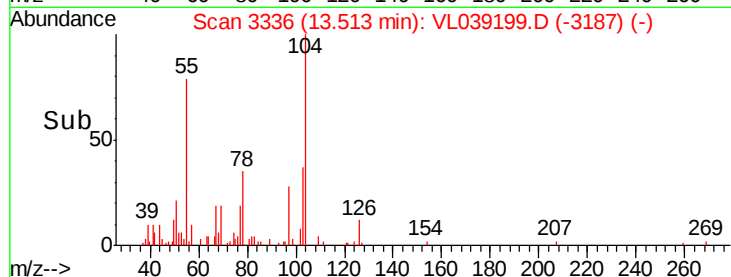
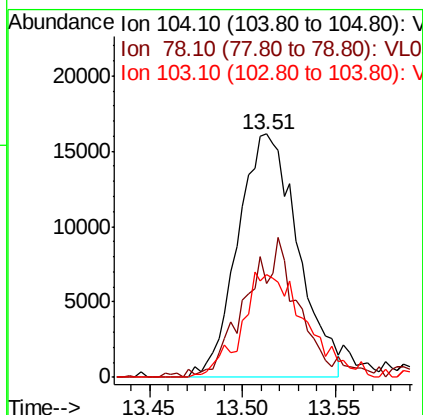
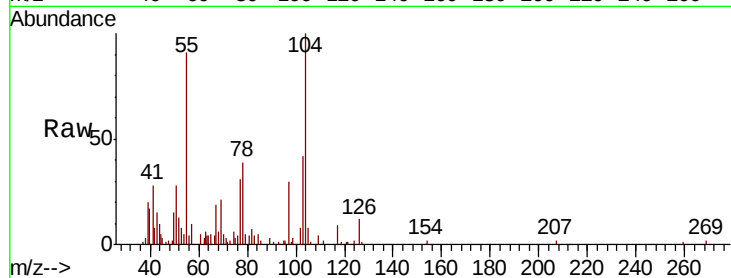
Tgt Ion: 91 Resp: 468445
Ion Ratio Lower Upper
91 100
106 44.9 22.3 66.9





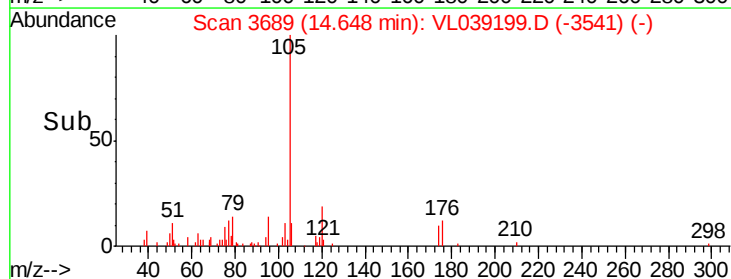
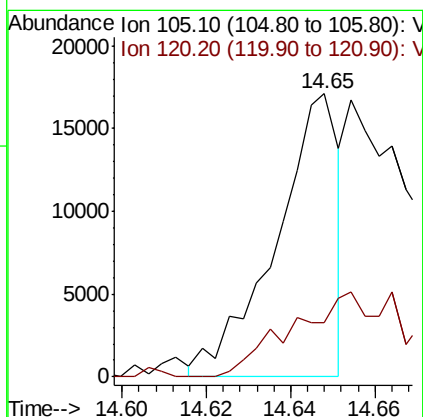
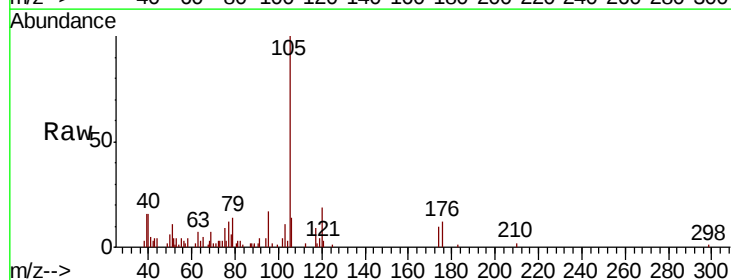
#61
Stvrene
Concen: 0.200 ppbv
RT: 13.51
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 7 Jun 2022 00:41

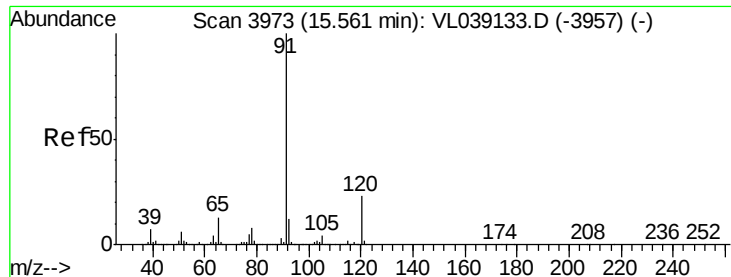
Tot Ion:104 Resp: 36376
Ion Ratio Lower Upper
104 100
78 54.4 45.7 68.5
103 46.1 39.6 59.4



#62
Isopropylbenzene
Concen: 0.035 ppbv
RT: 14.65 min Scan# 3689
Delta R.T. -0.02 min
Lab File: VL039199.D
Acq: 7 Jun 2022 00:41

Tgt Ion:105 Resp: 17630
Ion Ratio Lower Upper
105 100
120 0.0 20.3 30.5#





#64

n-propylbenzene

Concen: 0.135 ppbv

RT: 15.54

Delta R.T. MSVOA_L

Lab File:

Acq: 7 Jun 2022 00:41

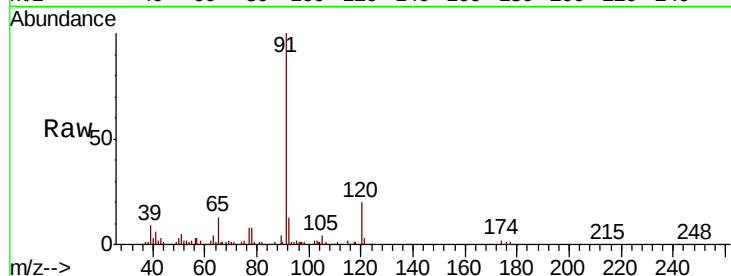
ClientSampleId :

Tot Ion:120 Resp: 16684

Ion Ratio Lower Upper

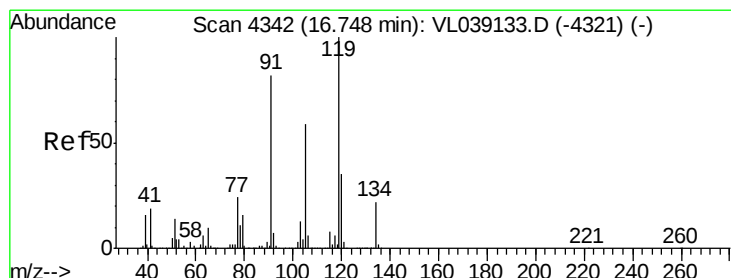
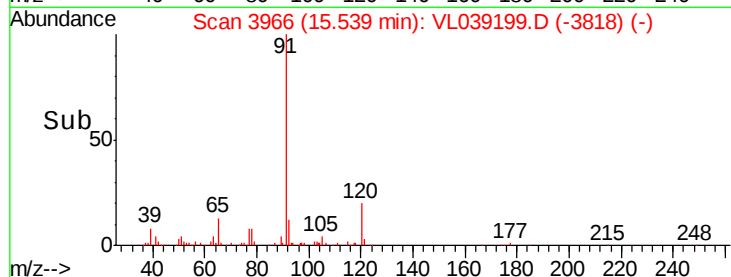
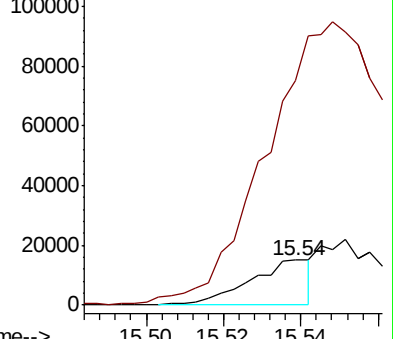
120 100

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: 0.275 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.00 min

Lab File: VL039199.D

Acq: 7 Jun 2022 00:41

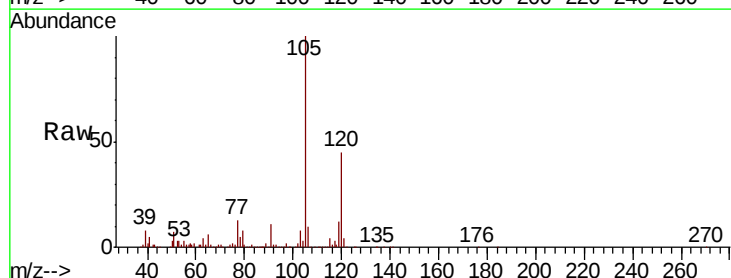
Tgt Ion:119 Resp: 126669

Ion Ratio Lower Upper

119 100

91 105.3 67.1 100.7#

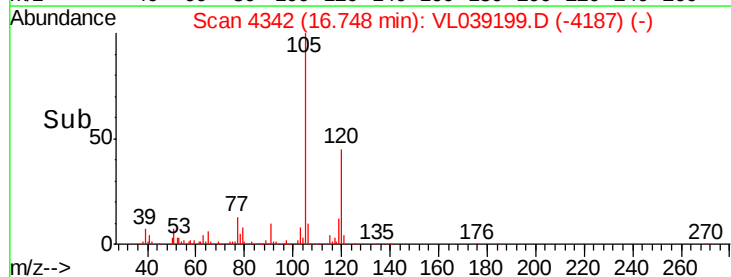
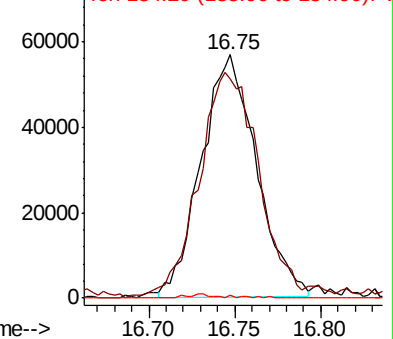
134 1.1 15.8 23.8#

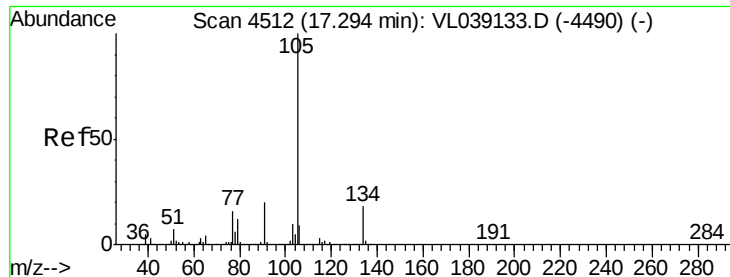


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

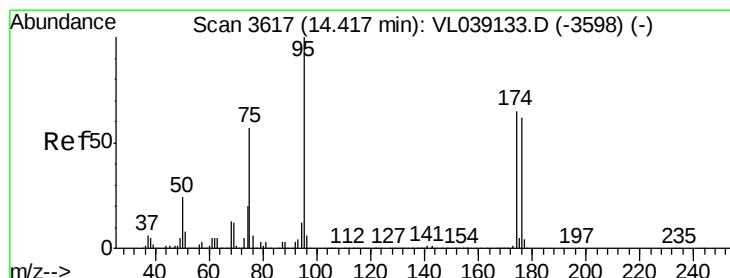
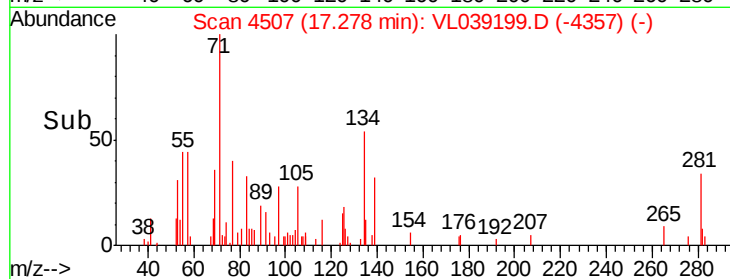
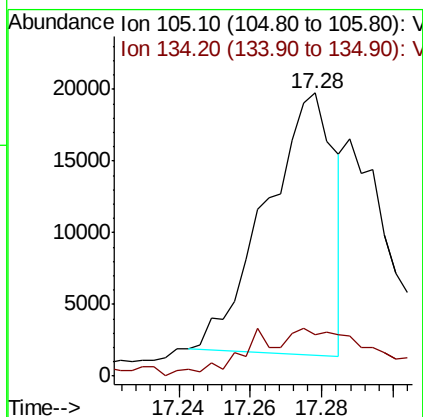
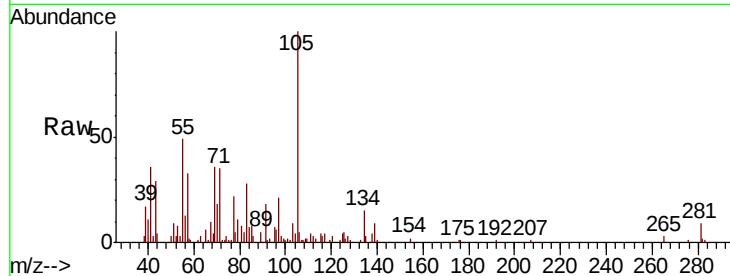
Ion 134.20 (133.90 to 134.90): V





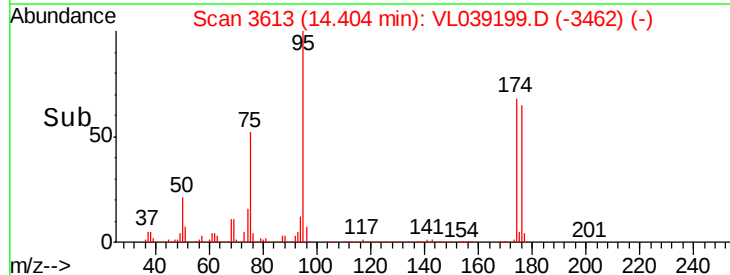
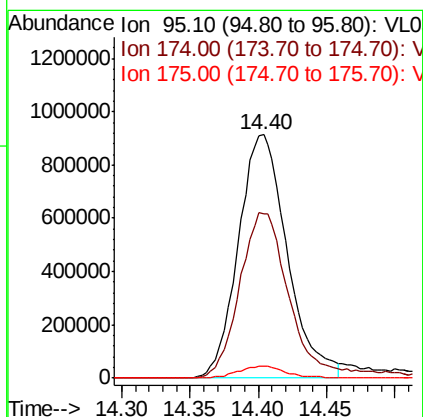
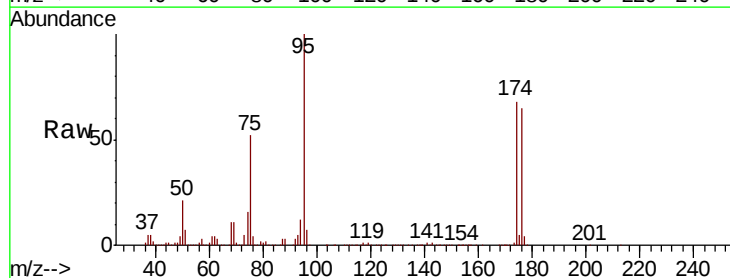
#67
 sec-Butylbenzene
 Concen: 0.039 ppbv
 RT: 17.28 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 7 Jun 2022 00:41

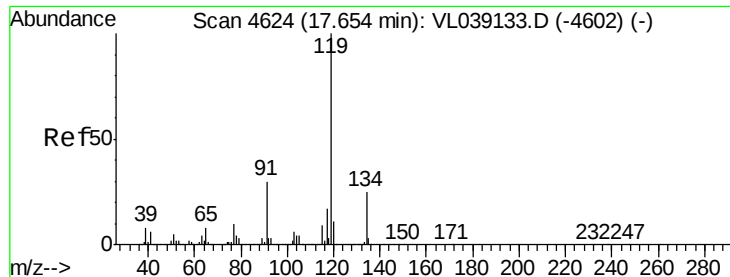
Tot Ion: 105 Resp: 24255
 Ion Ratio Lower Upper
 105 100
 134 34.2 14.4 21.6#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.206 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T. -0.01 min
 Lab File: VL039199.D
 Acq: 7 Jun 2022 00:41

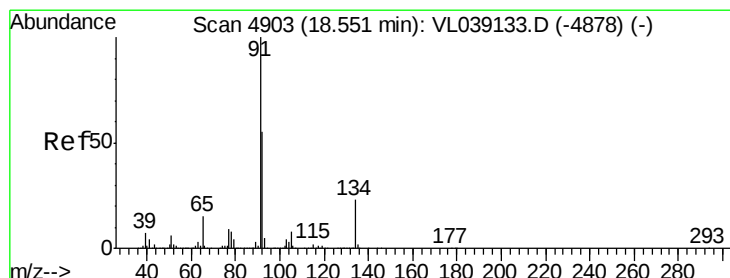
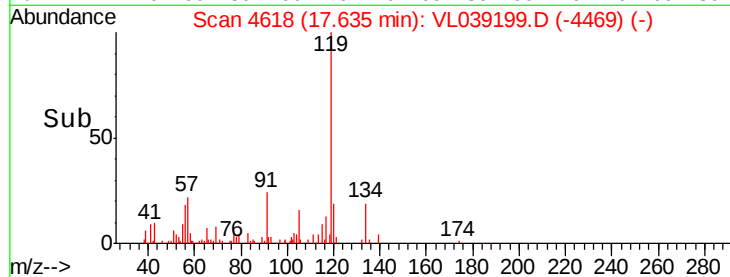
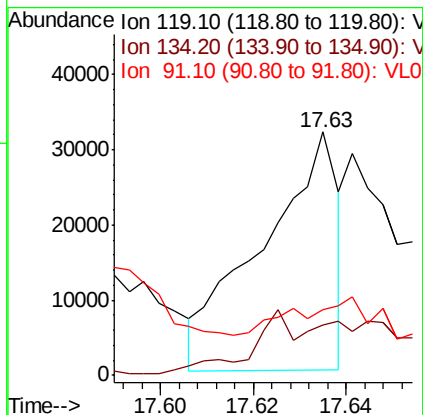
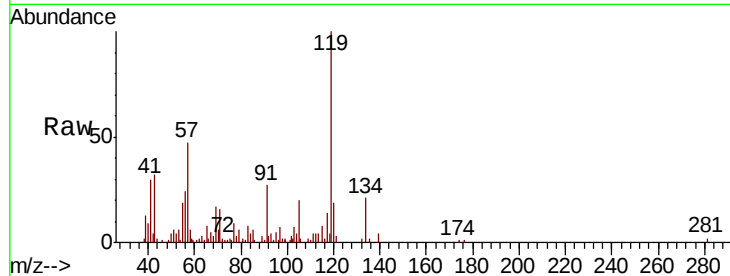
Tgt Ion: 95 Resp: 2263515
 Ion Ratio Lower Upper
 95 100
 174 73.3 53.8 80.8
 175 5.2 4.1 6.1





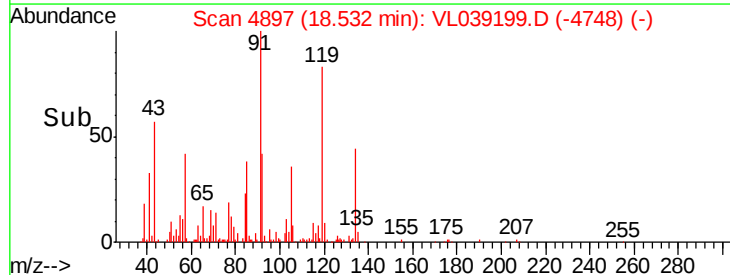
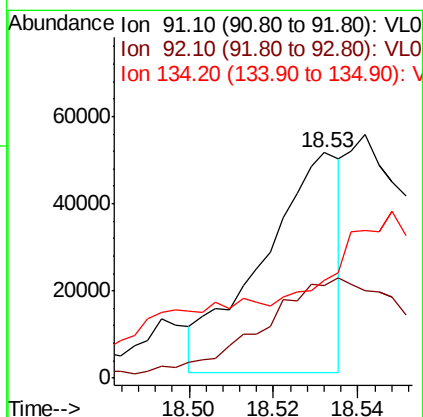
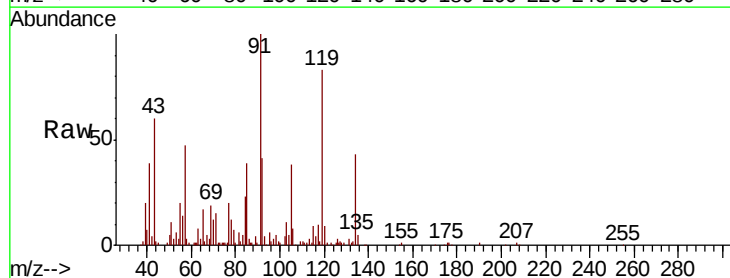
#69
 p-Isopropyltoluene
 Concen: 0.068 ppbv
 RT: 17.63 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 7 Jun 2022 00:41

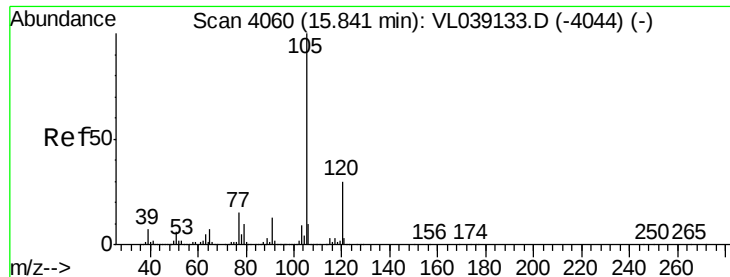
Tot Ion	Ratio	Lower	Upper
119	100		
134	51.2	20.4	30.6#
91	0.0	24.2	36.4#



#70
 n-Butylbenzene
 Concen: 0.119 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. -0.02 min
 Lab File: VL039199.D
 Acq: 7 Jun 2022 00:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	95.4	43.6	65.4#
134	0.0	17.7	26.5#





#72

4-Ethyltoluene

Concen: 0.771 ppbv

RT: 15.82

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Jun 2022 00:41

Tot Ion:105 Resp: 306490

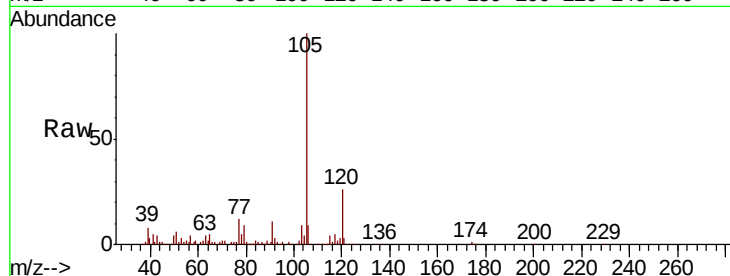
Ion Ratio Lower Upper

105 100

120 29.0 23.9 35.9

91 13.0 10.6 16.0

77 13.1 11.7 17.5

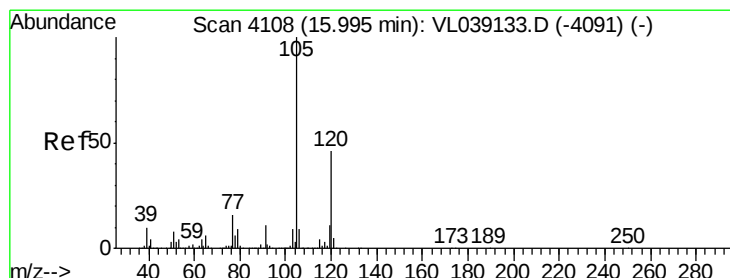
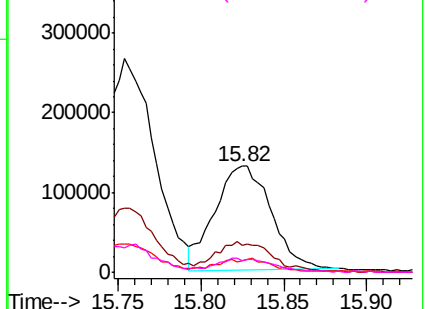
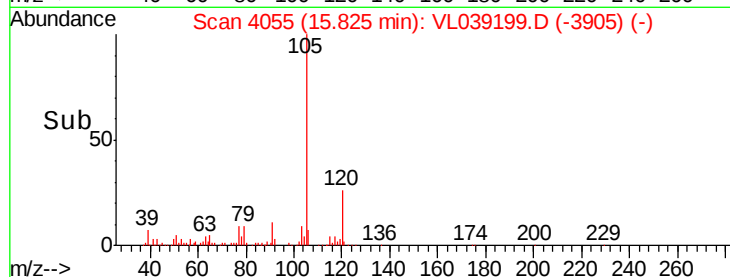


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.756 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. -0.01 min

Lab File: VL039199.D

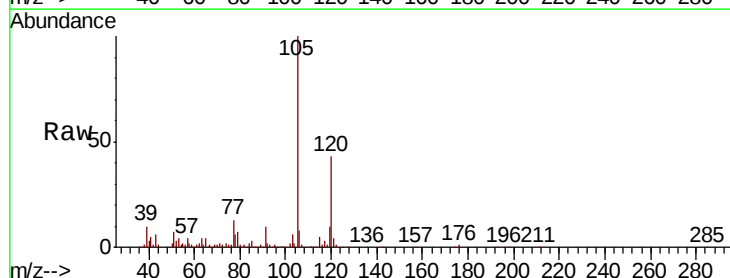
Acq: 7 Jun 2022 00:41

Tgt Ion:105 Resp: 270882

Ion Ratio Lower Upper

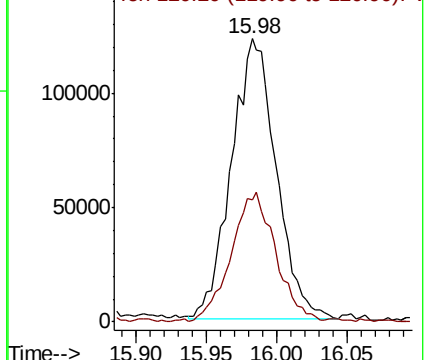
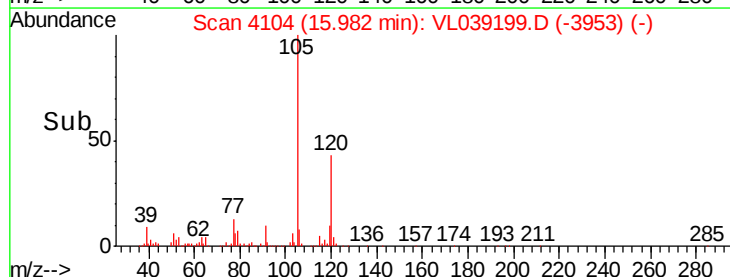
105 100

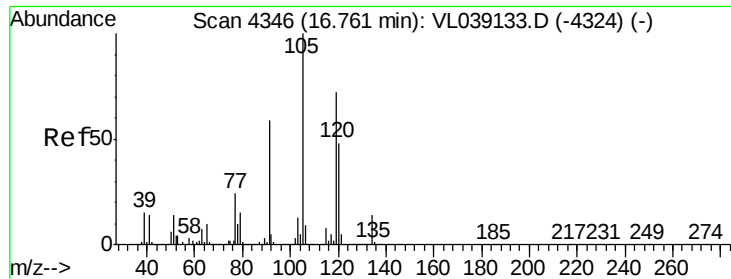
120 43.5 36.7 55.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 2.954 ppbv

RT: 16.75

Delta R.T. MSVOA_L

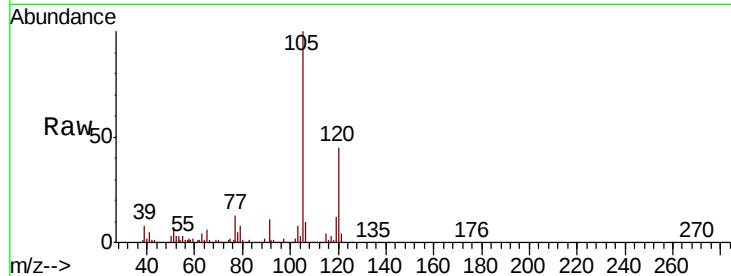
Lab File: ClientSampleId:

Acq: 7 Jun 2022 00:41

Tot Ion:105 Resp: 1181378

Ion Ratio Lower Upper

105	100		
120	44.9	38.1	57.1
91	10.3	47.4	71.0#
77	12.9	19.5	29.3#

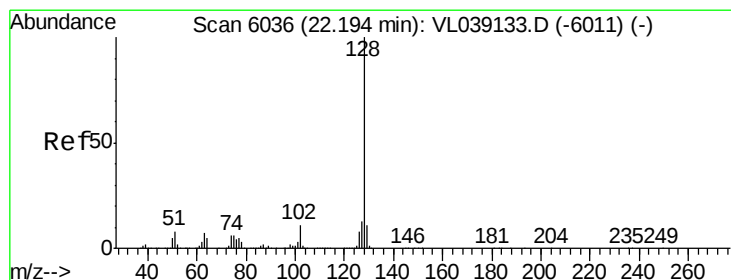
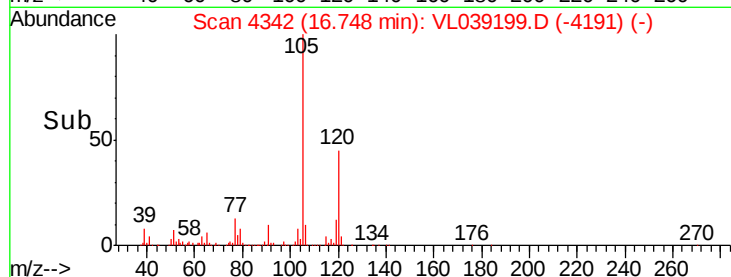
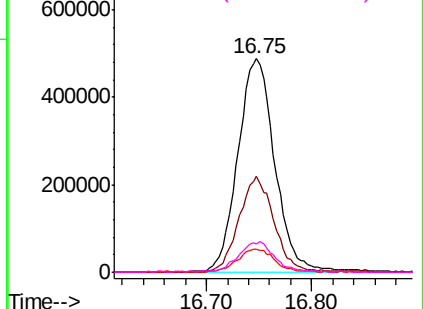


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.324 ppbv

RT: 22.17 min Scan# 6030

Delta R.T. -0.02 min

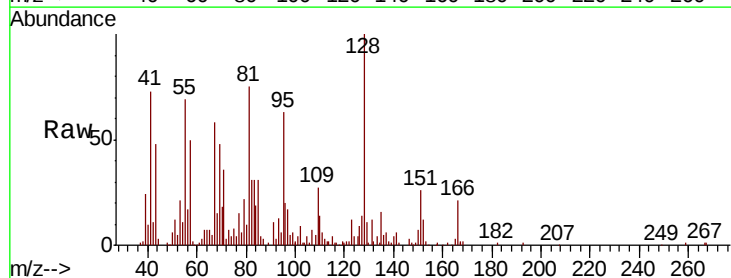
Lab File: VL039199.D

Acq: 7 Jun 2022 00:41

Tgt Ion:128 Resp: 99676

Ion Ratio Lower Upper

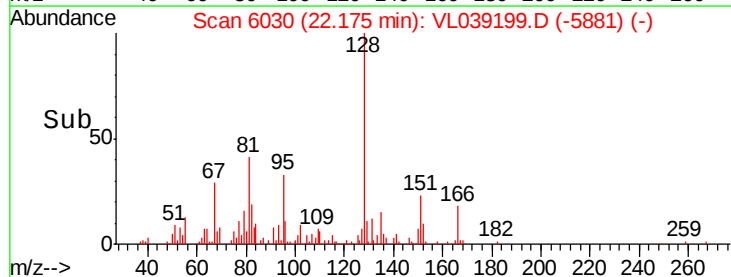
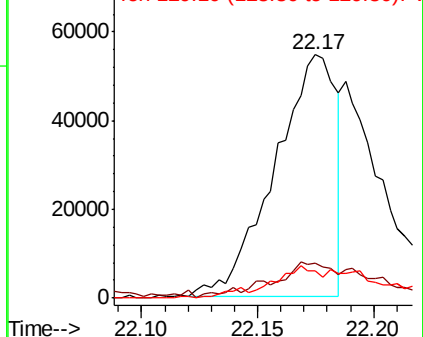
128	100		
127	10.7	10.4	15.6
129	10.7	9.0	13.6

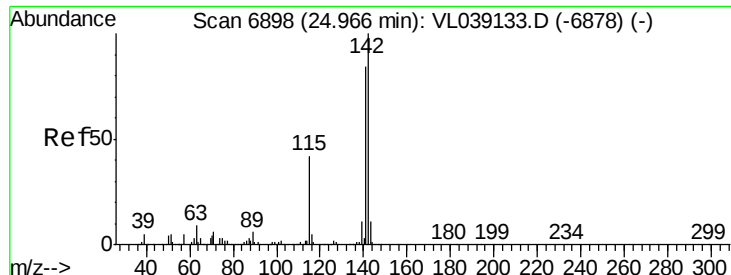


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

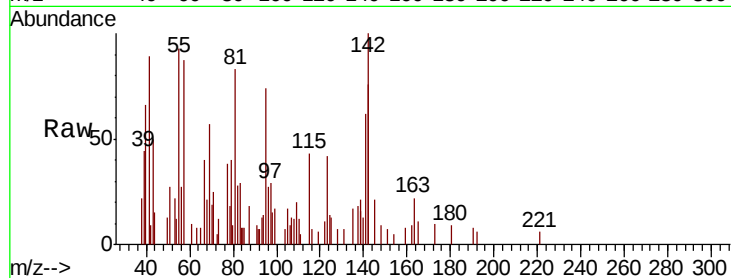
Ion 129.10 (128.80 to 129.80): V





#80
 Naphthalene, 2-methyl-
 Concen: 0.073 ppbv
 RT: 25.27
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 00:41

Tot Ion:	142	Resp:	8376
Ion	Ratio	Lower	Upper
142	100		
141	84.8	64.6	96.8
115	48.5	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

