

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060622\
 Data File : VL039194.D
 Acq On : 6 Jun 2022 21:20
 Operator : SY/AP
 Sample : N3110-04 2X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 07 03:18:45 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	1216084	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3204513	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2883263	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2378022	9.98	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	36800	0.172 ppbv	# 86
4) Chloromethane	3.14	50	32969	0.415 ppbv	# 86
9) Propene	3.02	41	25654	0.380 ppbv	94
10) Heptane	8.11	43	33599	0.213 ppbv	93
11) Trichlorofluoromethane	3.95	101	234310	1.212 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	30158	0.236 ppbv	97
13) Ethanol	3.60	45	159095	43.239 ppbv	# 100
15) Acetone	3.84	43	706073	5.574 ppbv	94
17) tert-Butyl alcohol	4.30	59	17045	0.173 ppbv	# 66
19) Isopropyl Alcohol	3.97	45	63552	1.070 ppbv	# 1
20) Methylene Chloride	4.34	84	816897	15.302 ppbv	95
23) Vinyl Acetate	5.07	43	16365	0.156 ppbv	# 93
25) Ethyl Acetate	5.68	43	1175806	4.118 ppbv	# 76
26) Hexane	5.68	57	1657712	13.212 ppbv	# 38
27) Carbon Disulfide	4.55	76	49670	0.382 ppbv	# 81
29) Chloroform	5.75	83	82376	0.390 ppbv	# 88
30) Cyclohexane	7.13	84	9553	0.091 ppbv	# 6
34) 2-Butanone	5.25	43	149800	0.860 ppbv	94
36) Benzene	6.89	78	36692	0.141 ppbv	# 92
38) Trichloroethene	7.83	130	14672	0.123 ppbv	# 76
39) 1,2-Dichloropropane	7.17	63	771791	7.458 ppbv	# 25
41) Tetrahydrofuran	5.68	42	591074	5.645 ppbv	# 49
44) 2,2,4-Trimethylpentane	7.86	57	31021	0.068 ppbv	# 67
51) 2-Hexanone	10.13	43	70372	0.347 ppbv	# 94
52) Tetrachloroethene	11.21	164	239392	2.357 ppbv	94
53) Toluene	9.80	91	289655	0.967 ppbv	99
58) Ethyl Benzene	12.70	91	245032	0.617 ppbv	97
59) m/p-Xylene	12.99	91	182469	0.522 ppbv	# 33
60) o-Xylene	13.68	91	402421	1.225 ppbv	97
61) Styrene	13.51	104	11109	0.063 ppbv	# 1
62) Isopropylbenzene	14.65	105	20913	0.043 ppbv	# 66
64) n-propylbenzene	15.55	120	40136	0.334 ppbv	90
65) tert-Butylbenzene	16.75	119	93957	0.210 ppbv	# 61
69) p-Isopropyltoluene	17.64	119	27137	0.053 ppbv	# 47
70) n-Butylbenzene	18.54	91	63709	0.121 ppbv	# 70
72) 4-Ethyltoluene	15.82	105	280942	0.729 ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	230573	0.664 ppbv	91
74) 1,2,4-Trimethylbenzene	16.75	105	926386	2.390 ppbv	# 62
79) Naphthalene	22.18	128	35619	0.119 ppbv	# 94
80) Naphthalene,2-methyl-	24.97	142	3954	0.036 ppbv	# 15

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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

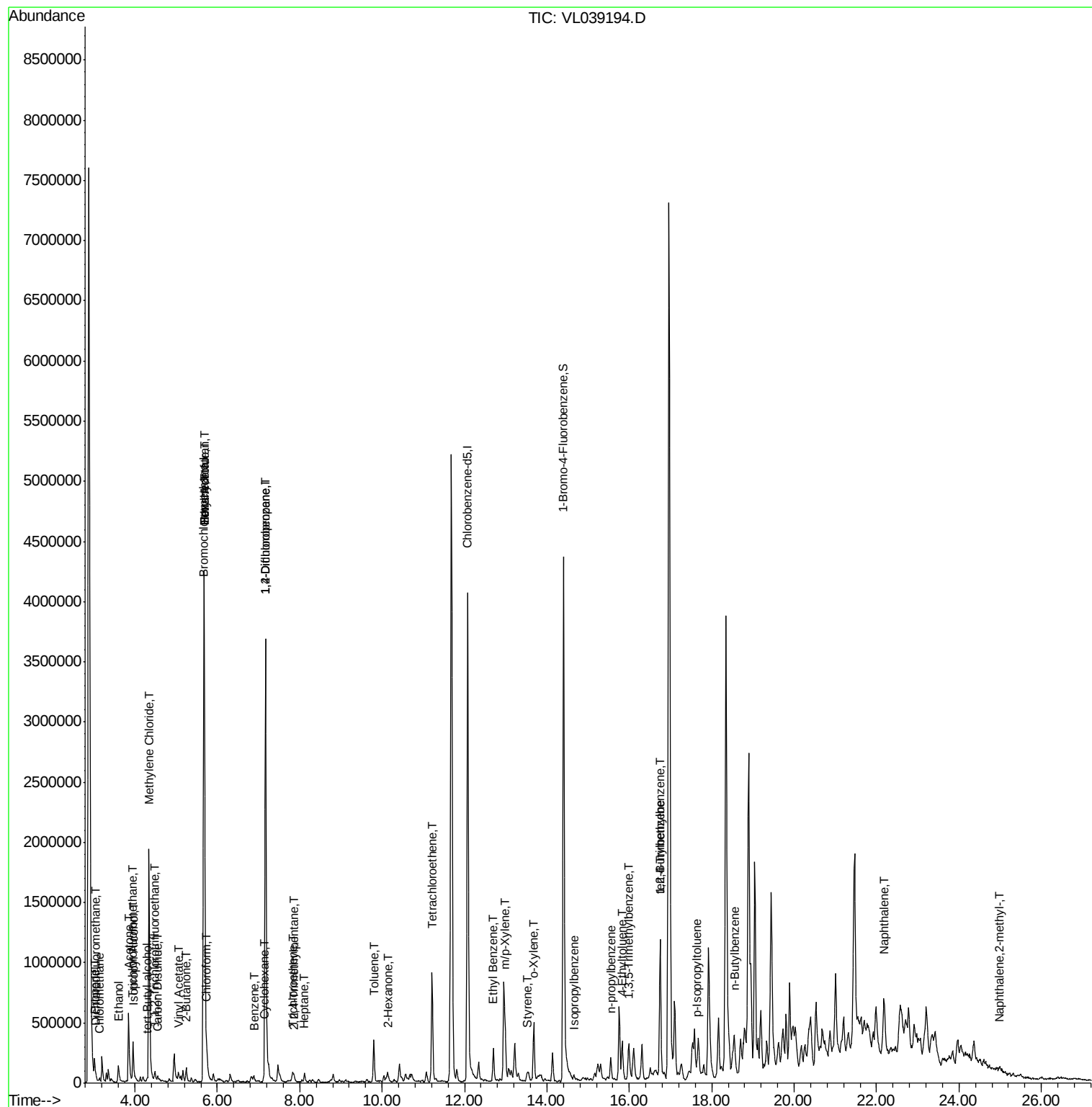
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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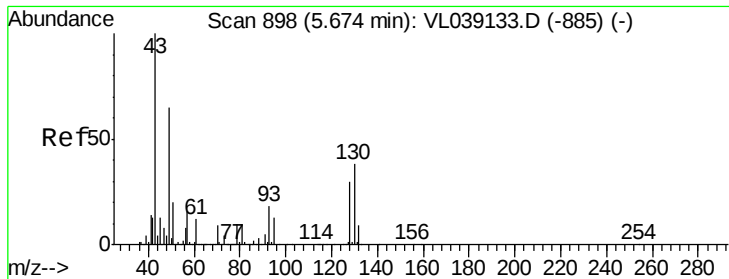
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Jun 2022 21:20

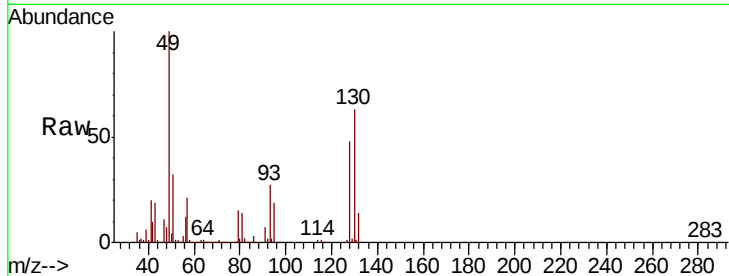
Tot Ion: 49 Resp: 1216084

Ion	Ratio	Lower	Upper
49	100		
128	50.5	24.7	74.1
130	66.0	31.4	94.0

49 100

128 50.5 24.7 74.1

130 66.0 31.4 94.0

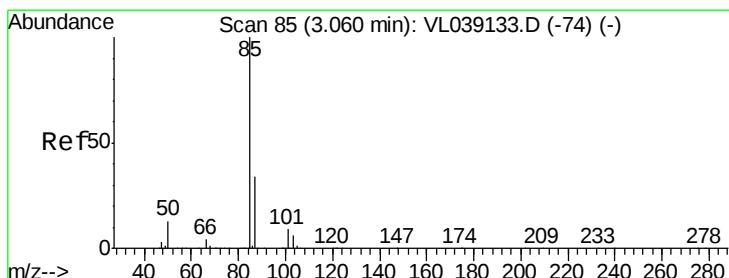
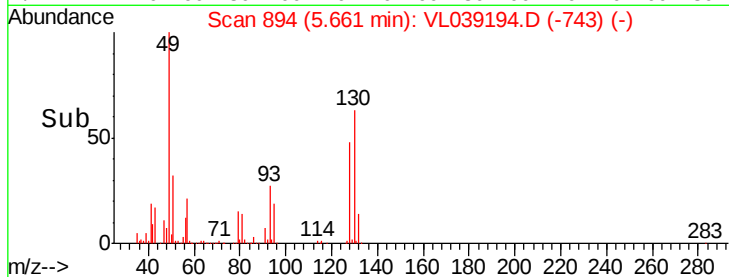
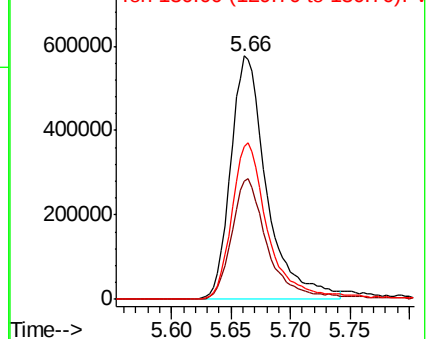


Abundance

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: 0.172 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL039194.D

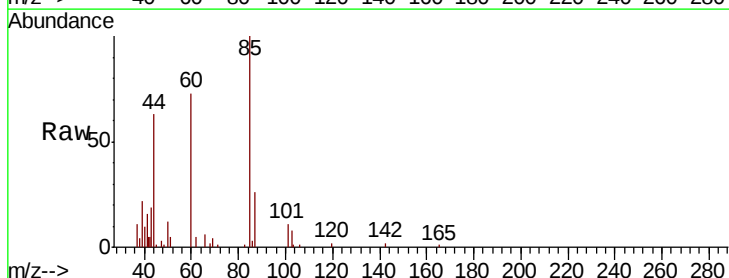
Acq: 6 Jun 2022 21:20

Tgt Ion: 85 Resp: 36800

Ion	Ratio	Lower	Upper
85	100		
87	25.5	26.9	40.3#

85 100

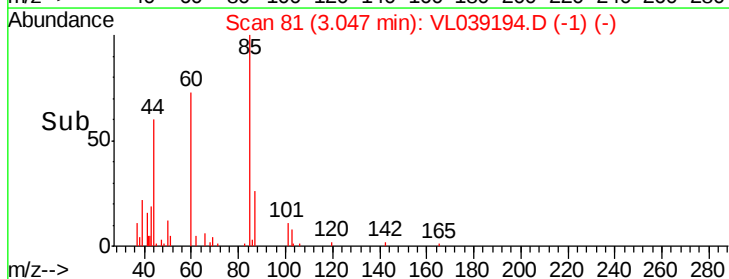
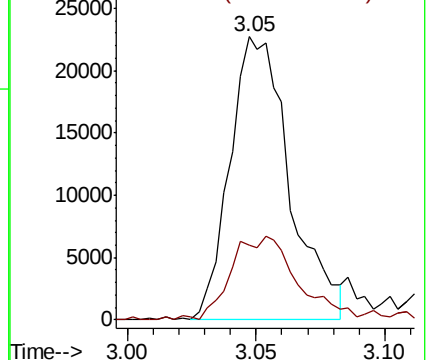
87 25.5 26.9 40.3#

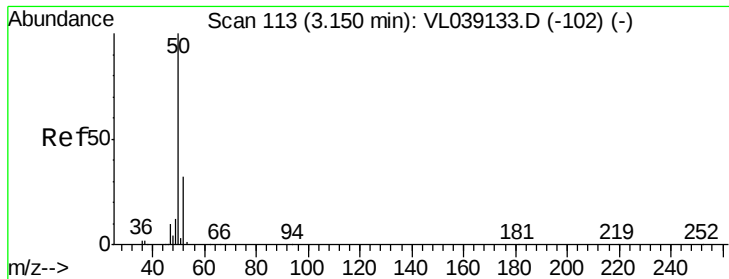


Abundance

Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.415 ppbv

RT: 3.14 Instrument:

Delta R.T. MSVOA_L

Lab File:

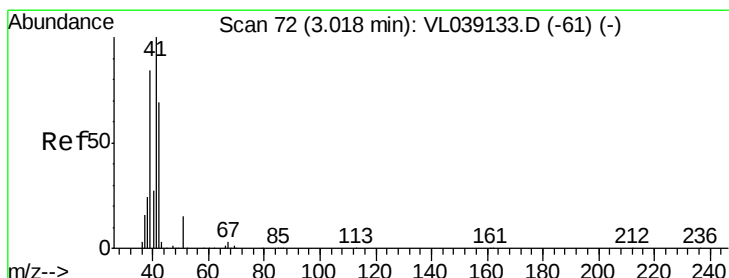
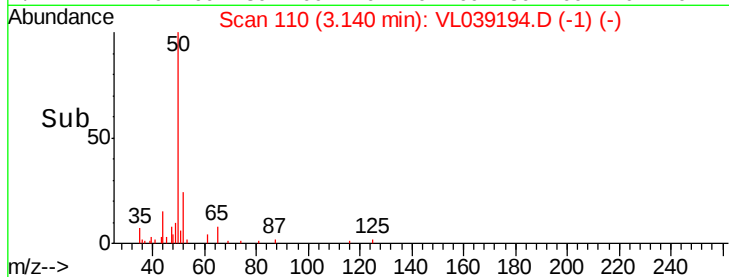
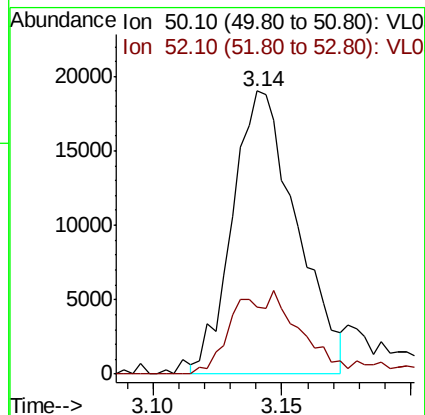
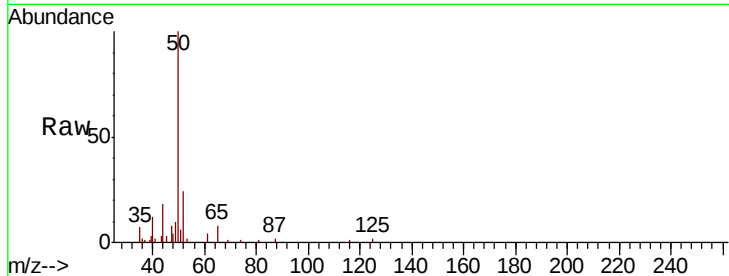
Acq: 6 Jun 2022 21:20

Tot Ion: 50 Resp: 32969

Ion Ratio Lower Upper

50 100

52 24.5 25.9 38.9#



#9

Propene

Concen: 0.380 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL039194.D

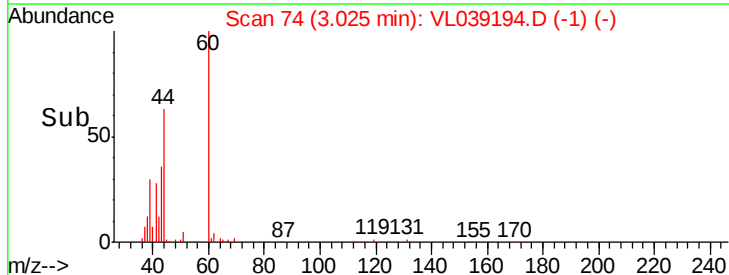
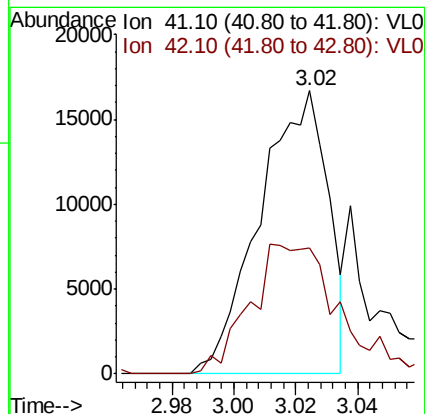
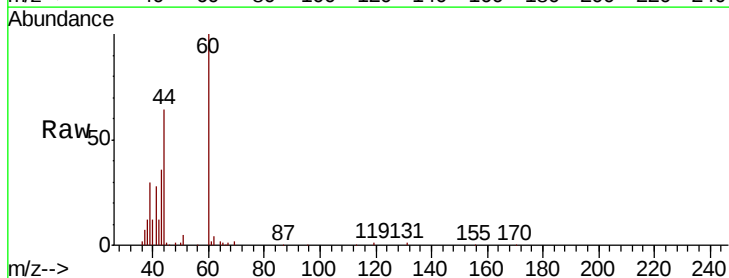
Acq: 6 Jun 2022 21:20

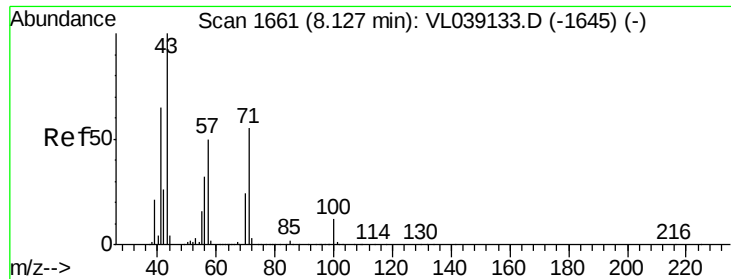
Tgt Ion: 41 Resp: 25654

Ion Ratio Lower Upper

41 100

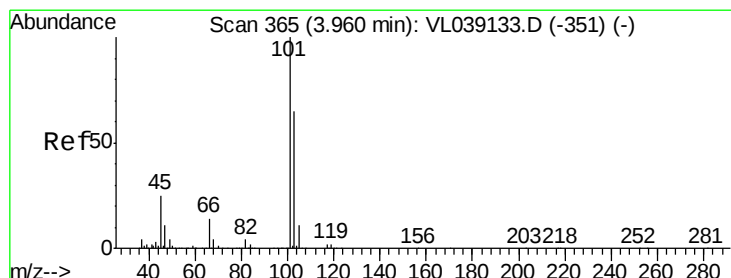
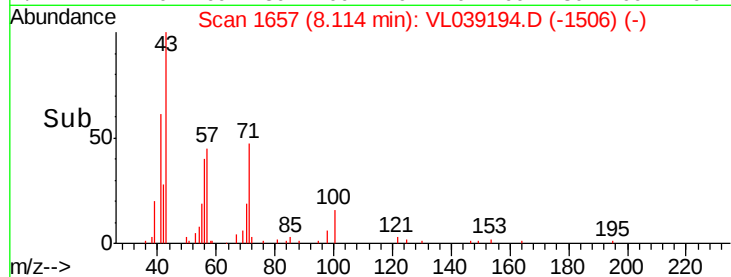
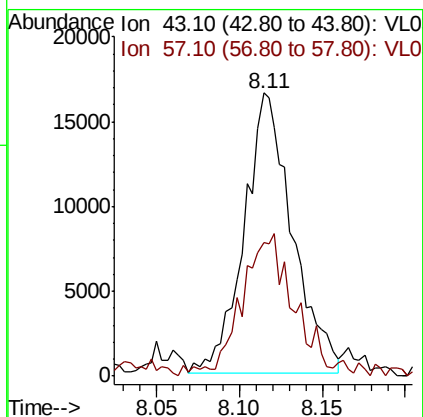
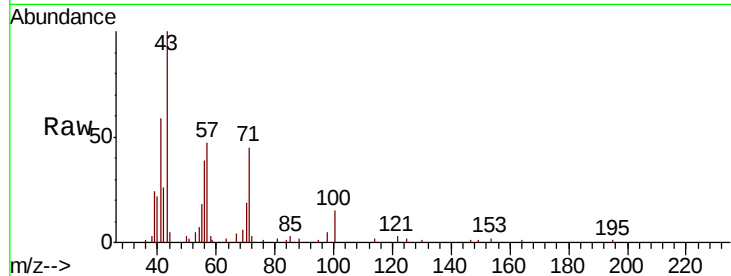
42 64.1 55.4 83.2





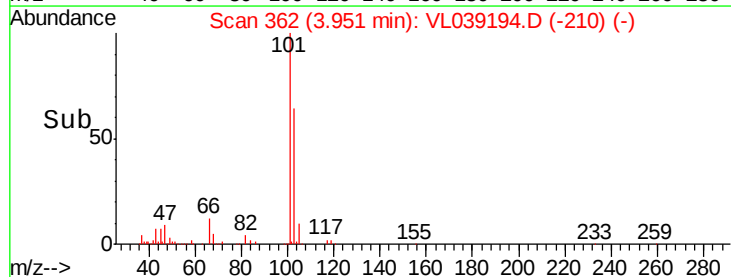
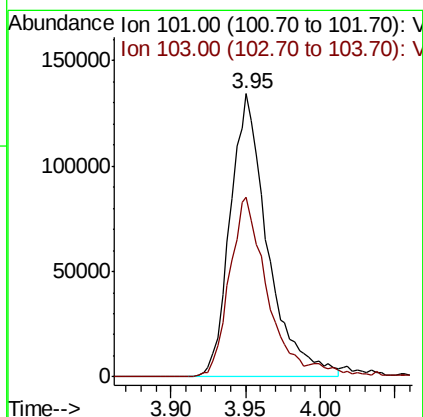
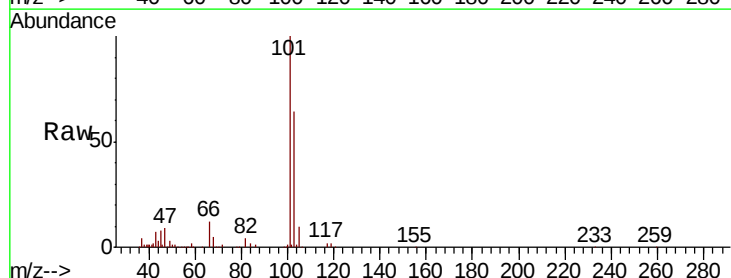
#10
 Heptane
 Concen: 0.213 ppbv
 RT: 8.11
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 6 Jun 2022 21:20

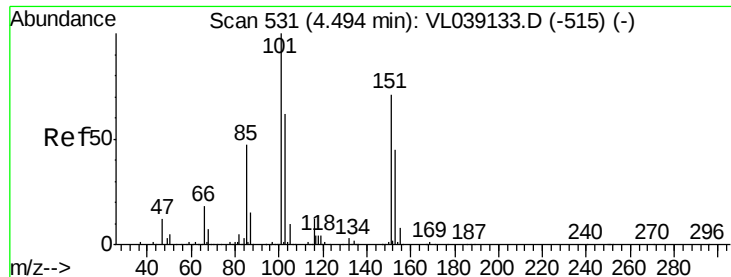
Tot Ion: 43 Resp: 33599
 Ion Ratio Lower Upper
 43 100
 57 56.4 41.4 62.2



#11
 Trichlorofluoromethane
 Concen: 1.212 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VL039194.D
 Acq: 6 Jun 2022 21:20

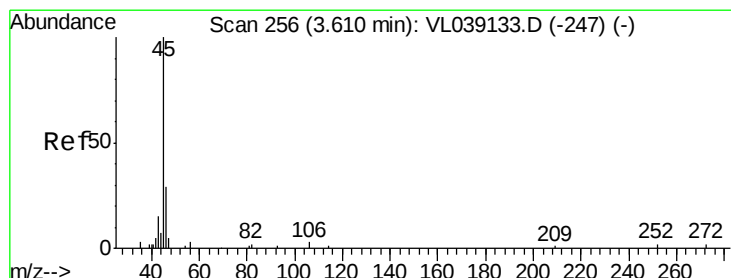
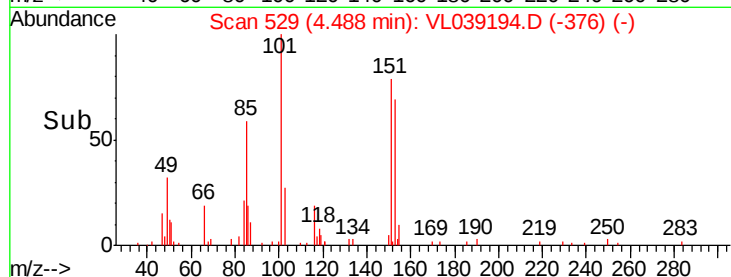
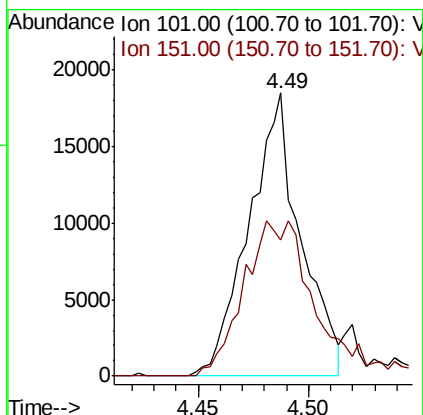
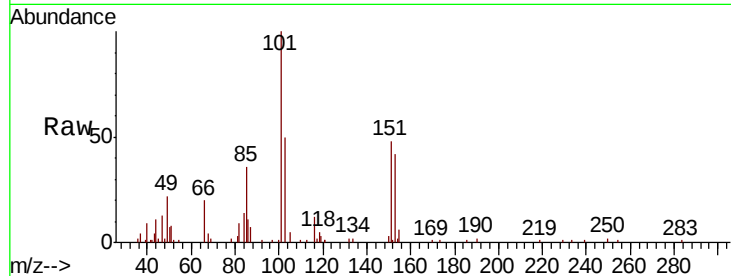
Tgt Ion:101 Resp: 234310
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.7 77.5





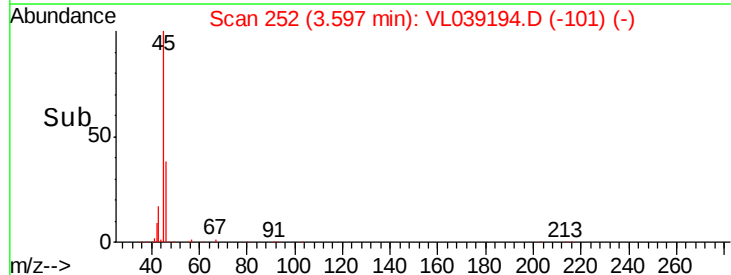
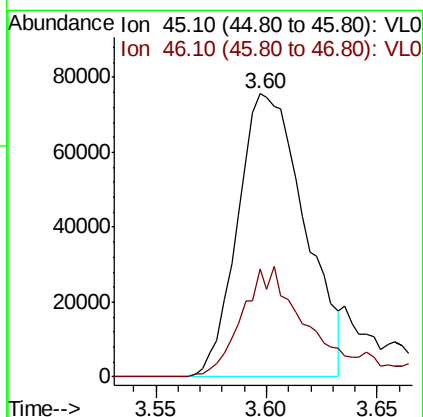
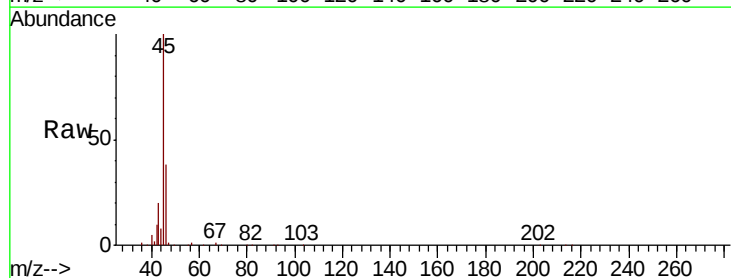
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.236 ppbv
 RT: 4.49
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 6 Jun 2022 21:20

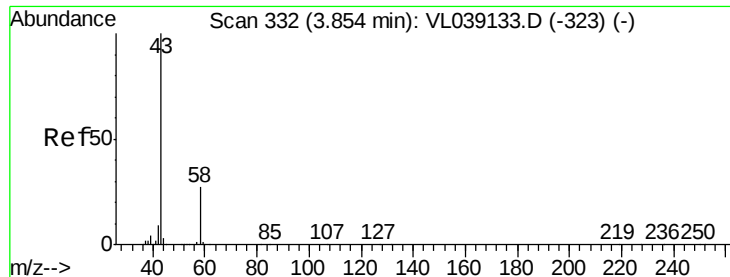
Tot Ion: 101 Resp: 30158
 Ion Ratio Lower Upper
 101 100
 151 76.7 59.4 89.0



#13
 Ethanol
 Concen: 43.239 ppbv
 RT: 3.60 min Scan# 252
 Delta R.T. -0.01 min
 Lab File: VL039194.D
 Acq: 6 Jun 2022 21:20

Tgt Ion: 45 Resp: 159095
 Ion Ratio Lower Upper
 45 100
 46 43.5 0.0 0.0#





#15

Acetone

Concen: 5.574 ppbv

RT: 3.84 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

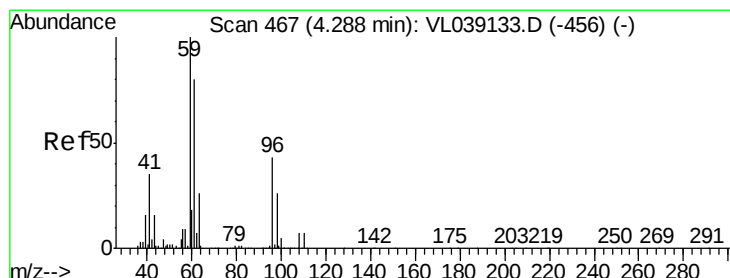
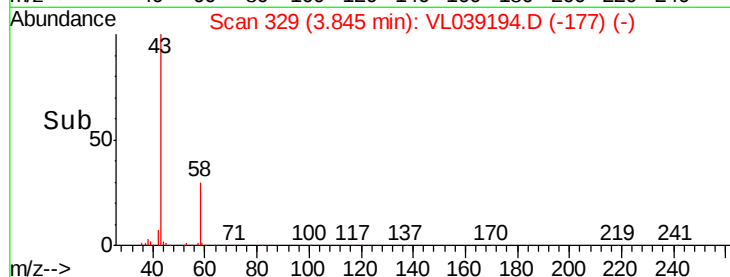
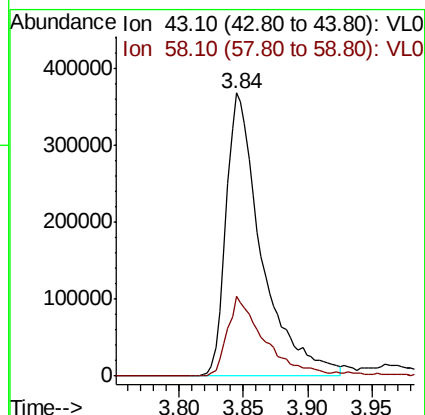
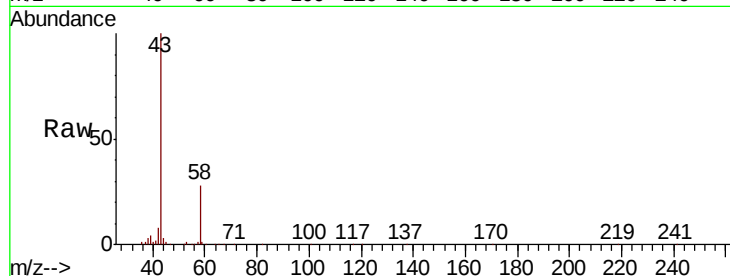
Acq: 6 Jun 2022 21:20

Tot Ion: 43 Resp: 706073

Ion Ratio Lower Upper

43 100

58 31.1 22.5 33.7



#17

tert-Butyl alcohol

Concen: 0.173 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.01 min

Lab File: VL039194.D

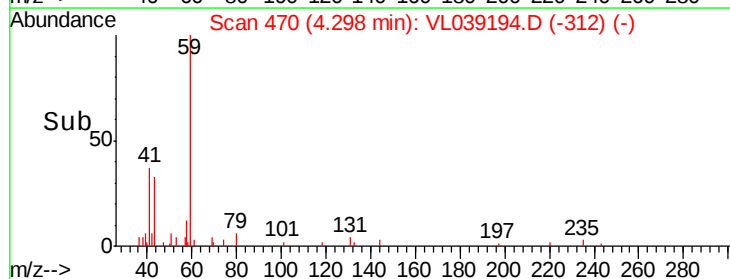
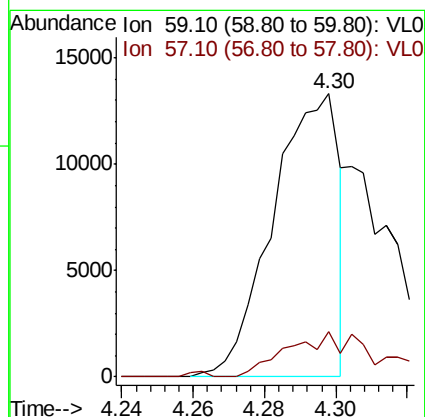
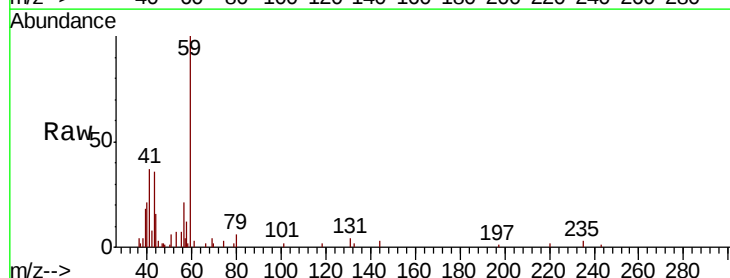
Acq: 6 Jun 2022 21:20

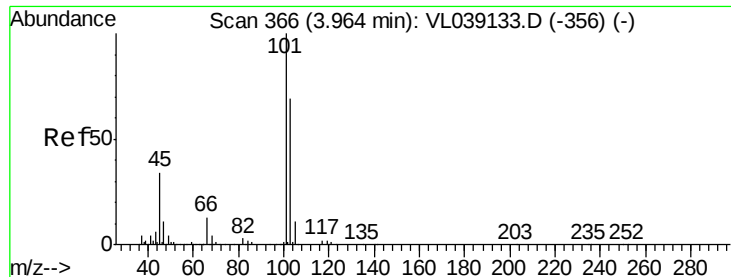
Tgt Ion: 59 Resp: 17045

Ion Ratio Lower Upper

59 100

57 24.5 9.1 13.7#





#19

Isopropyl Alcohol

Concen: 1.070 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

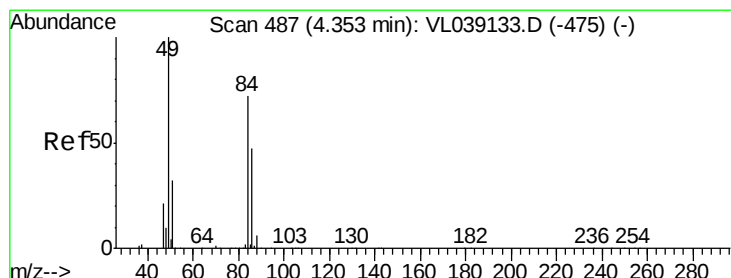
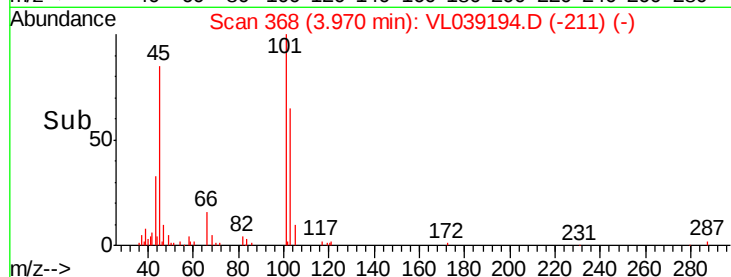
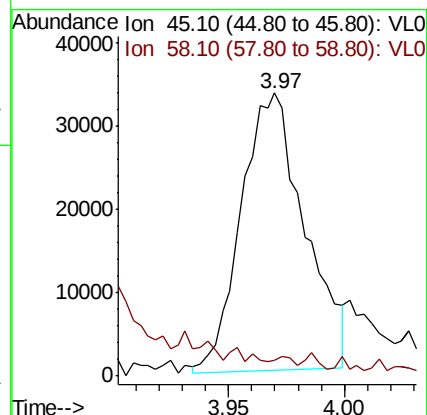
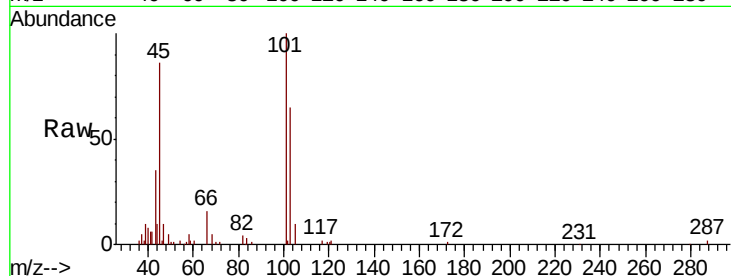
Acq: 6 Jun 2022 21:20

Tot Ion: 45 Resp: 63552

Ion Ratio Lower Upper

45 100

58 337.5 1.8 2.8#



#20

Methylene Chloride

Concen: 15.302 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL039194.D

Acq: 6 Jun 2022 21:20

Tgt Ion: 84 Resp: 816897

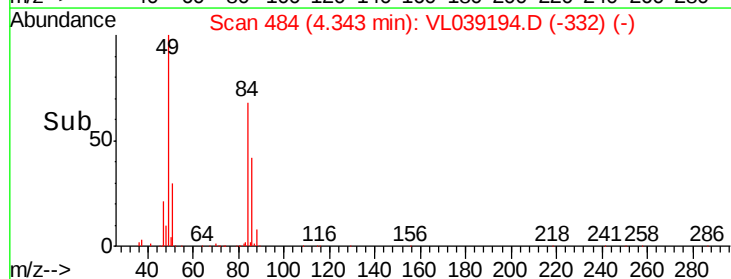
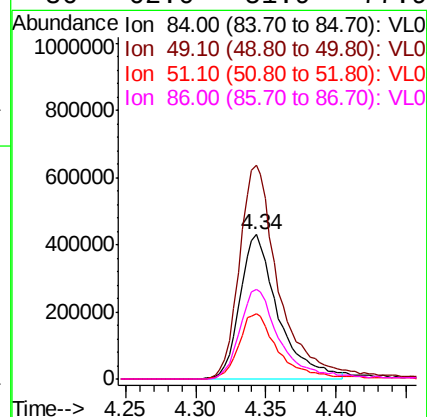
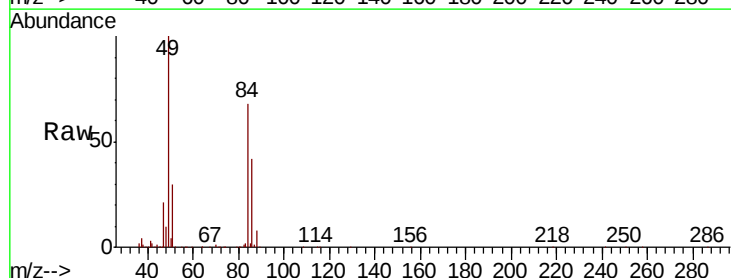
Ion Ratio Lower Upper

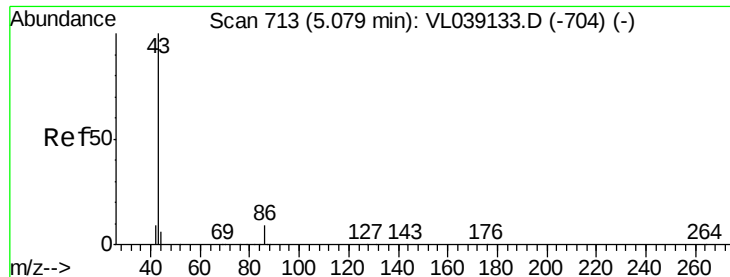
84 100

49 147.8 111.1 166.7

51 44.7 35.3 52.9

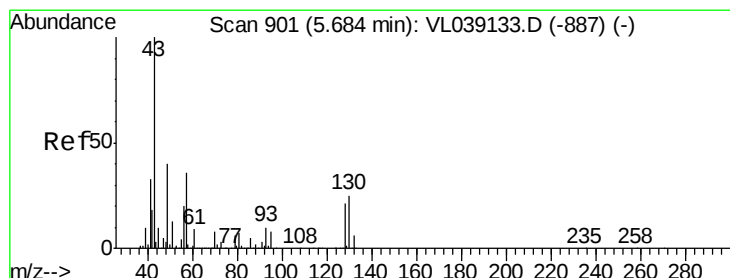
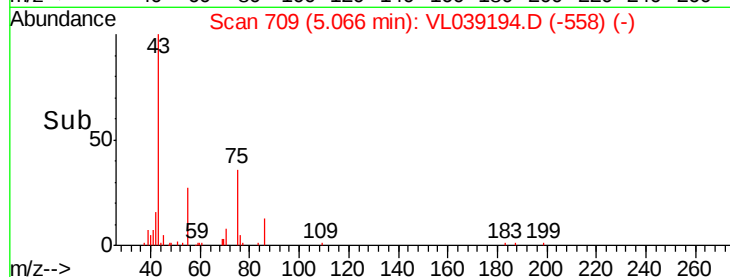
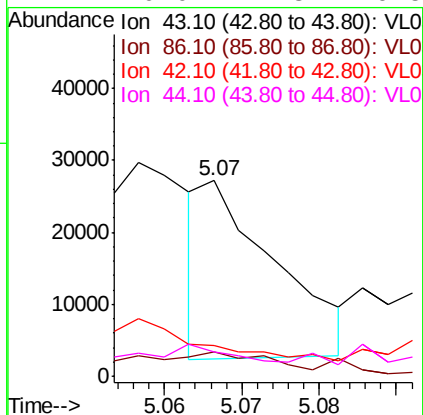
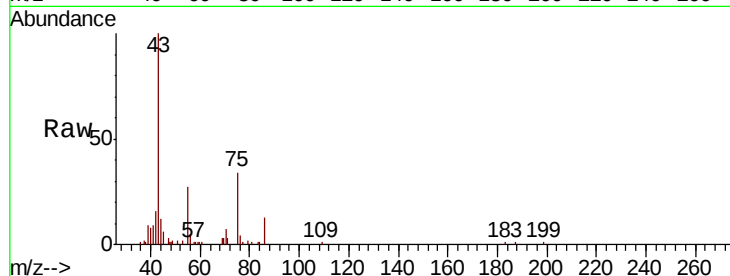
86 62.0 51.9 77.9





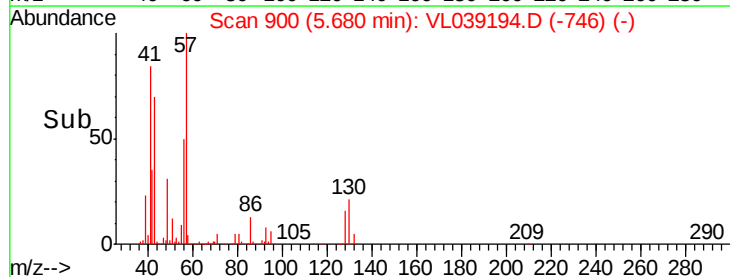
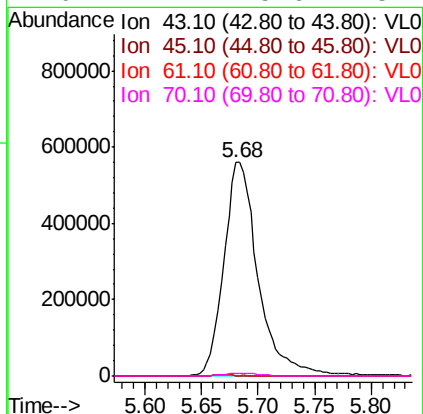
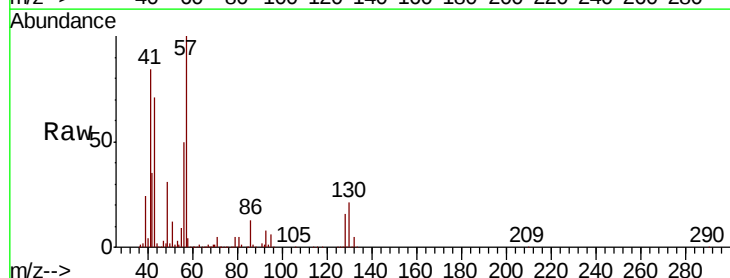
#23
 Vinyl Acetate
 Concen: 0.156 ppbv
 RT: 5.07
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 6 Jun 2022 21:20

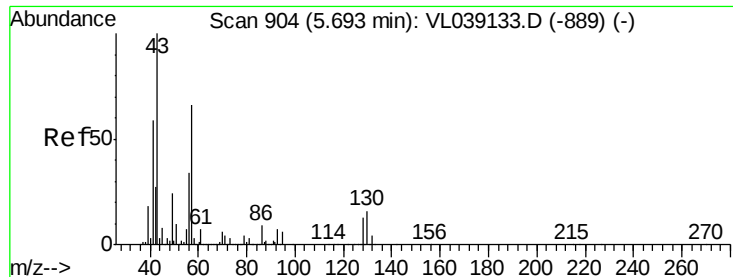
Tot Ion:	43	Resp:	16365
Ion	Ratio	Lower	Upper
43	100		
86	5.4	6.0	9.0#
42	11.8	8.2	12.4
44	10.0	4.3	6.5#



#25
 Ethyl Acetate
 Concen: 4.118 ppbv
 RT: 5.68 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VL039194.D
 Acq: 6 Jun 2022 21:20

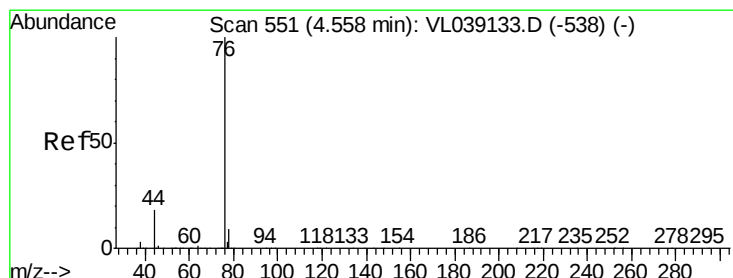
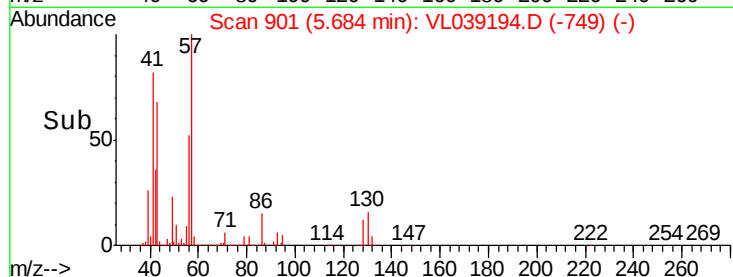
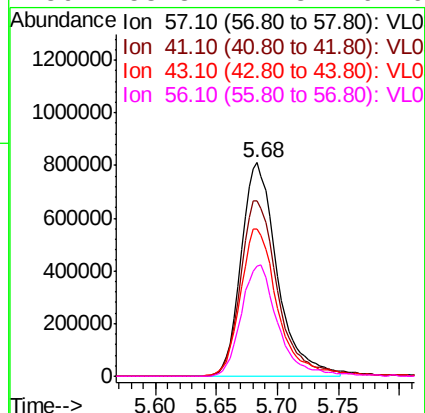
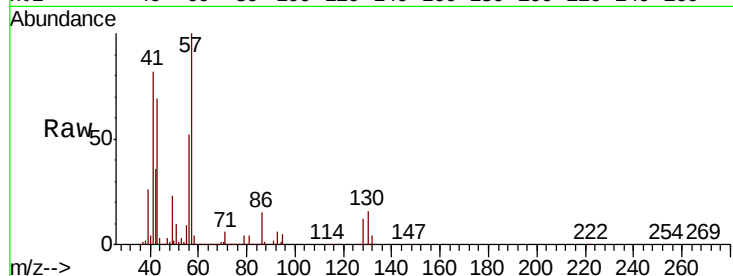
Tgt Ion:	43	Resp:	1175806
Ion	Ratio	Lower	Upper
43	100		
45	0.5	8.2	12.2#
61	0.5	8.4	12.6#
70	1.4	5.6	8.4#





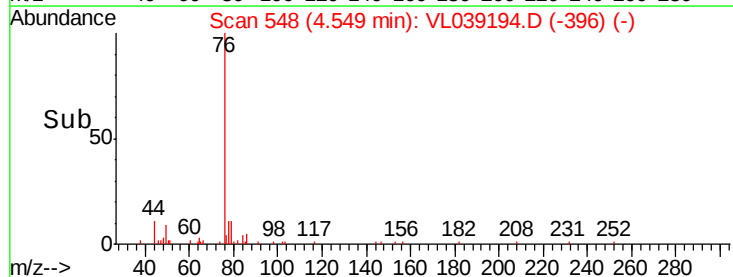
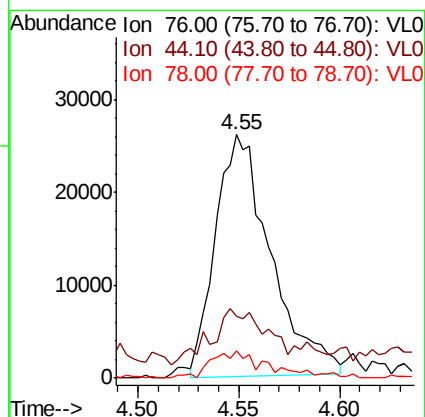
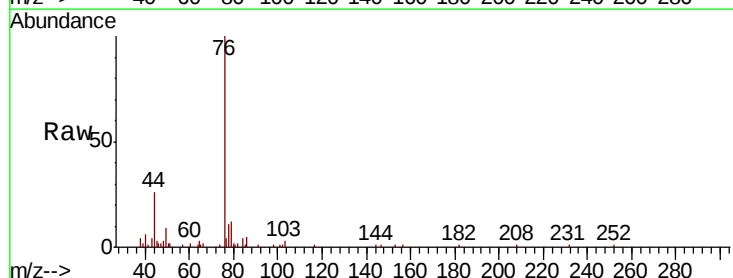
#26
Hexane
Concen: 13.212 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 6 Jun 2022 21:20

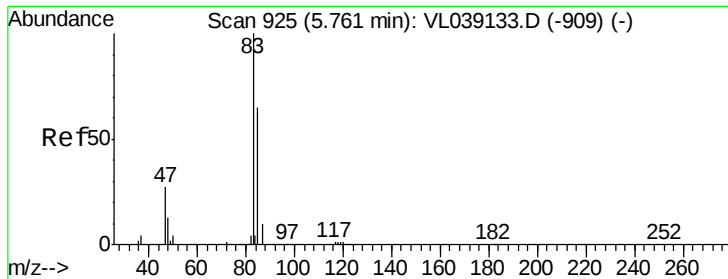
Tot Ion:	57	Resp:	1657712
Ion	Ratio	Lower	Upper
57	100		
41	86.2	72.4	108.6
43	71.7	187.0	280.6#
56	53.3	41.8	62.6



#27
Carbon Disulfide
Concen: 0.382 ppbv
RT: 4.55 min Scan# 548
Delta R.T. -0.01 min
Lab File: VL039194.D
Acq: 6 Jun 2022 21:20

Tgt Ion:	76	Resp:	49670
Ion	Ratio	Lower	Upper
76	100		
44	29.5	14.4	21.6#
78	11.9	7.7	11.5#





#29

Chloroform

Concen: 0.390 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

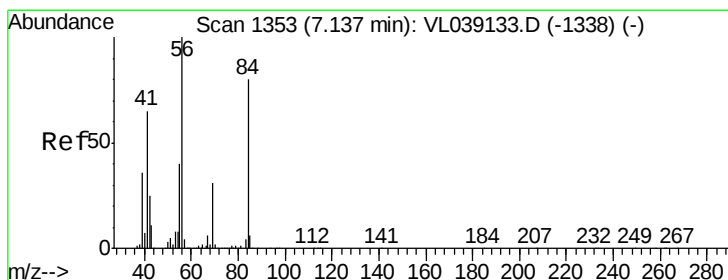
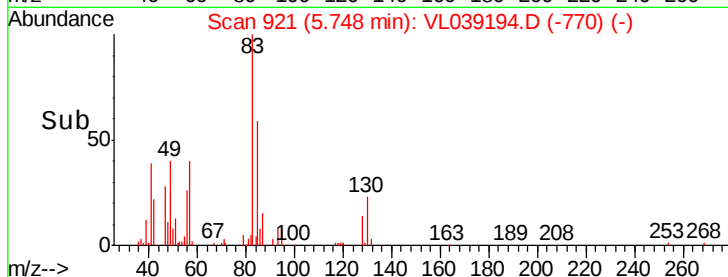
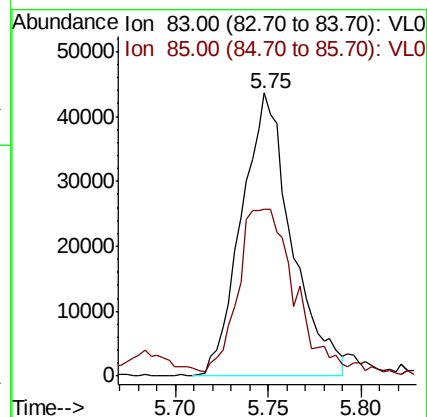
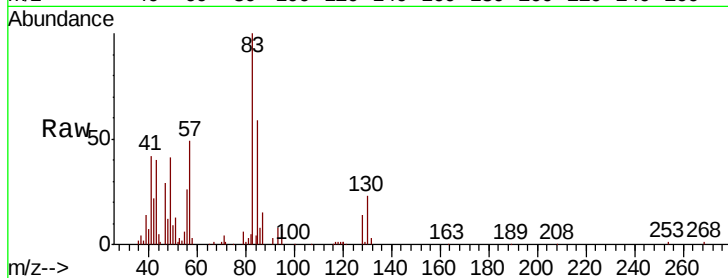
Acq: 6 Jun 2022 21:20

Tot Ion: 83 Resp: 82376

Ion Ratio Lower Upper

83 100

85 56.2 52.4 78.6



#30

Cyclohexane

Concen: 0.091 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. -0.01 min

Lab File: VL039194.D

Acq: 6 Jun 2022 21:20

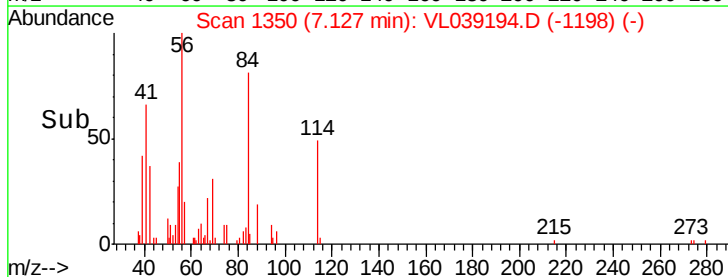
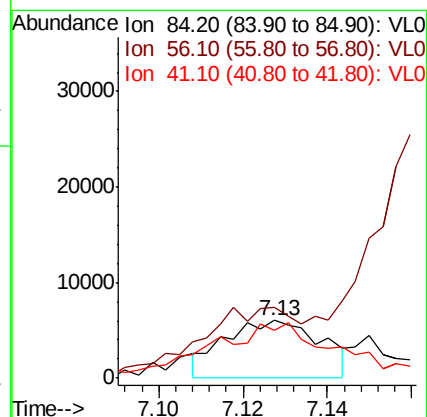
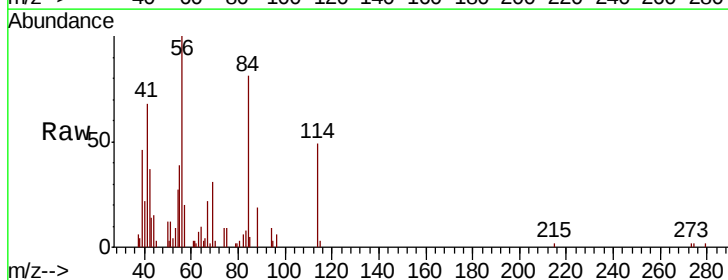
Tgt Ion: 84 Resp: 9553

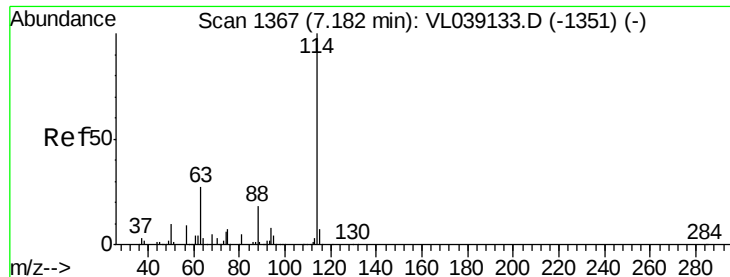
Ion Ratio Lower Upper

84 100

56 0.0 110.6 165.8#

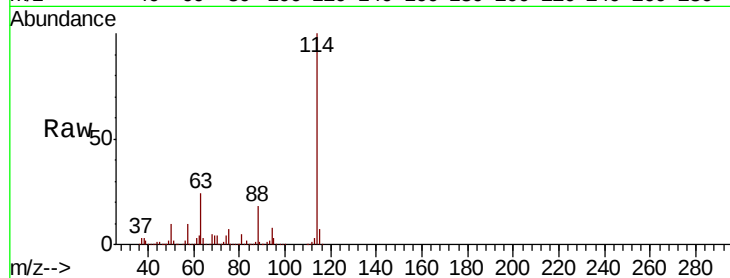
41 143.4 68.9 103.3#



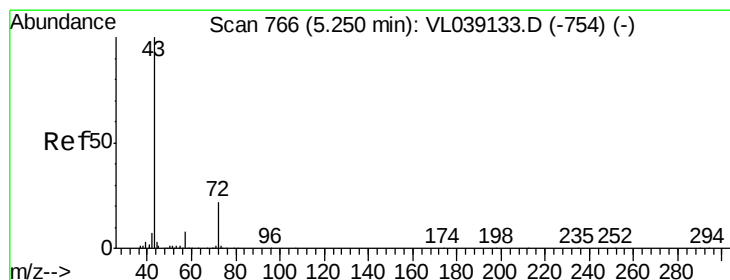
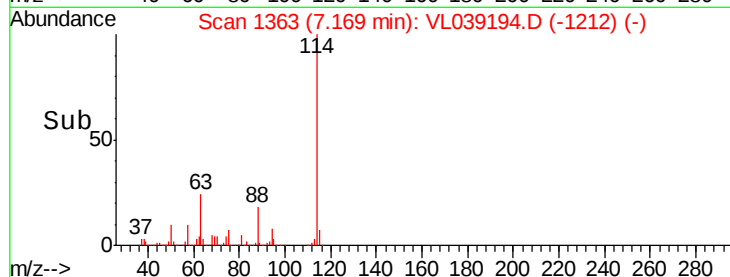
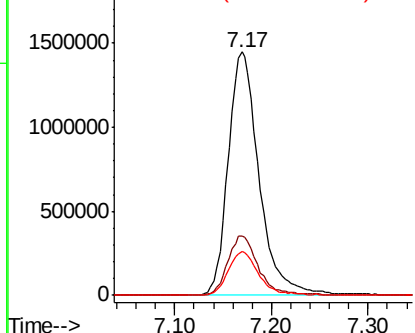


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 6 Jun 2022 21:20

Tot Ion:114 Resp: 3204513
 Ion Ratio Lower Upper
 114 100
 63 24.6 21.7 32.5
 88 17.9 14.8 22.2

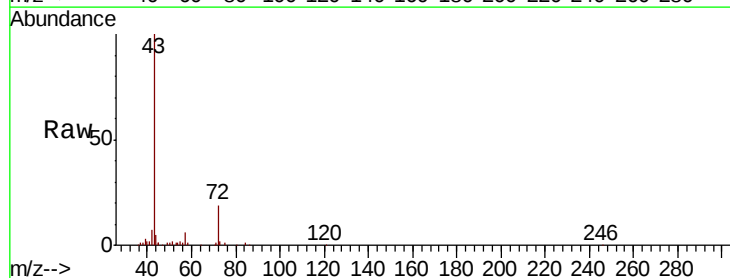


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

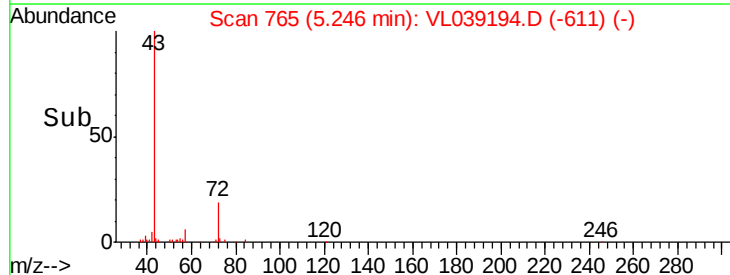
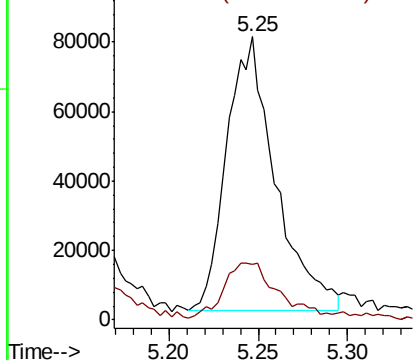


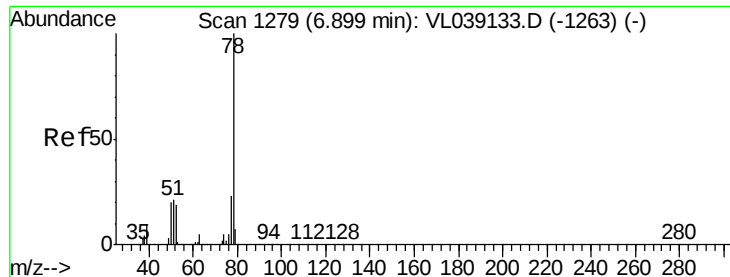
#34
 2-Butanone
 Concen: 0.860 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VL039194.D
 Acq: 6 Jun 2022 21:20

Tgt Ion: 43 Resp: 149800
 Ion Ratio Lower Upper
 43 100
 72 25.6 18.2 27.2



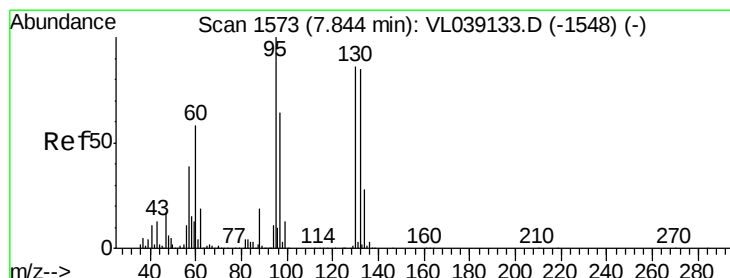
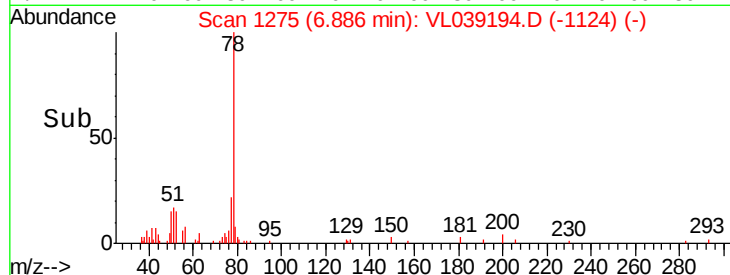
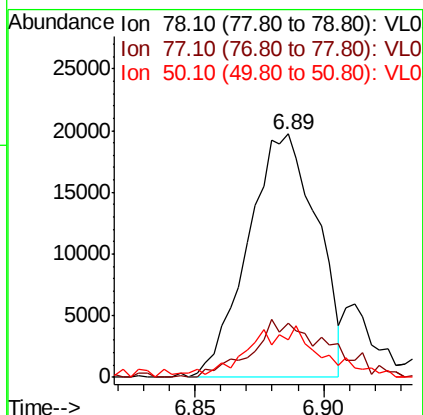
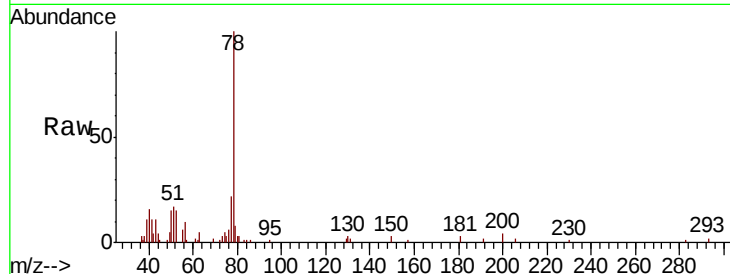
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





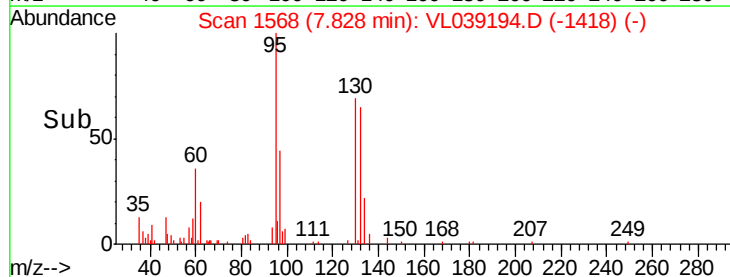
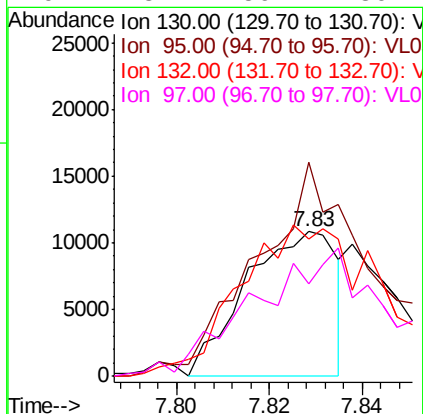
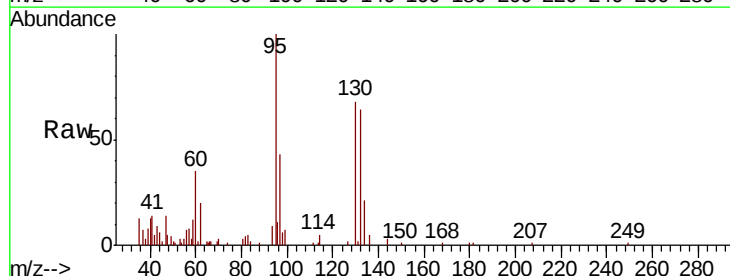
#36
Benzene
Concen: 0.141 ppbv
RT: 6.89
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 6 Jun 2022 21:20

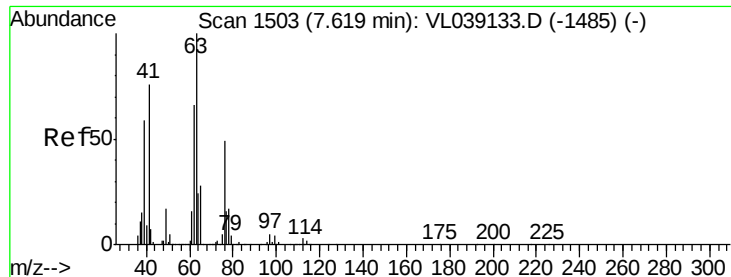
Tot Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.6	27.8
50	13.2	15.8	23.8#



#38
Trichloroethene
Concen: 0.123 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. -0.02 min
Lab File: VL039194.D
Acq: 6 Jun 2022 21:20

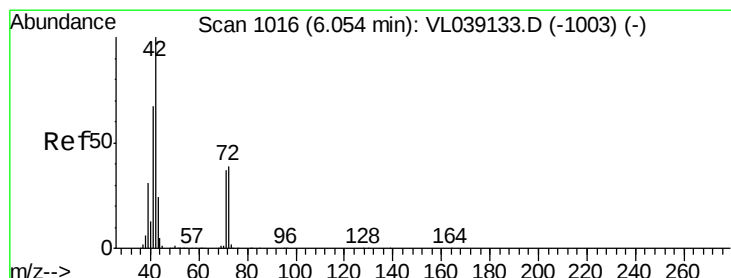
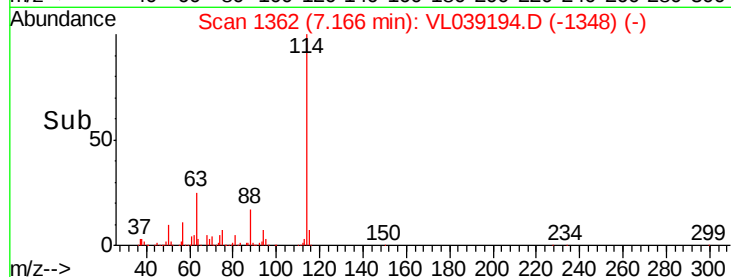
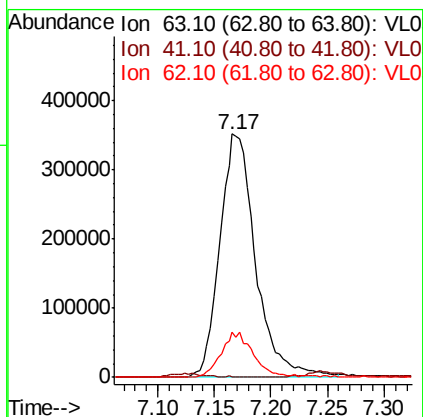
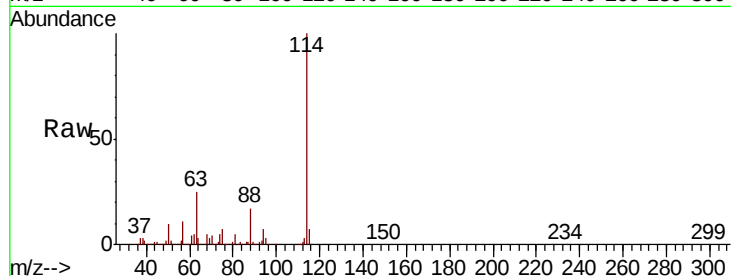
Tgt Ion	Ratio	Lower	Upper
130	100		
95	140.1	93.3	139.9#
132	78.7	79.0	118.4#
97	45.7	59.4	89.2#





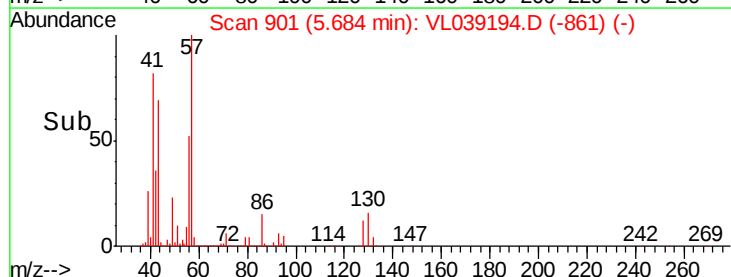
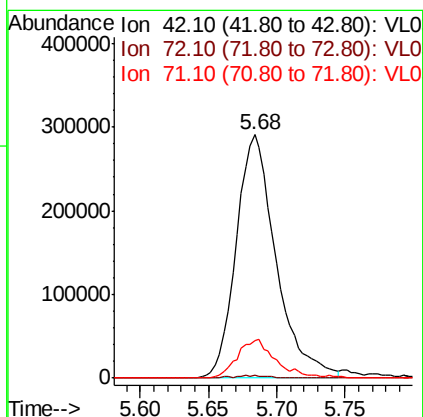
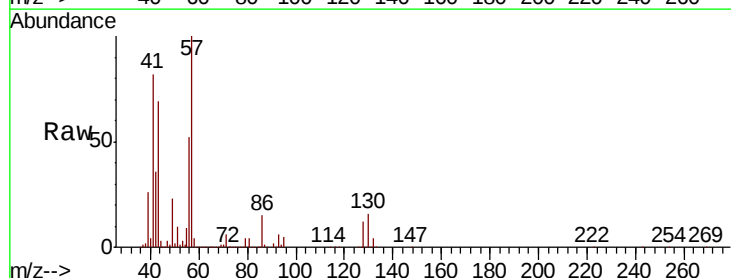
#39
 1,2-Dichloropropane
 Concen: 7.458 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 6 Jun 2022 21:20

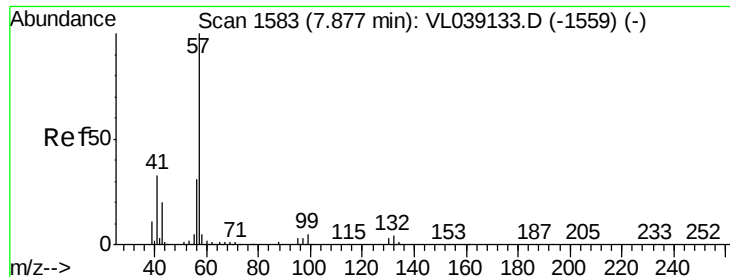
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	18.3	52.9	79.3#



#41
 Tetrahydrofuran
 Concen: 5.645 ppbv
 RT: 5.68 min Scan# 901
 Delta R.T. -0.37 min
 Lab File: VL039194.D
 Acq: 6 Jun 2022 21:20

Tgt Ion	Ratio	Lower	Upper
42	100		
72	1.2	32.0	48.0#
71	15.7	31.1	46.7#





#44

2,2,4-Trimethylpentane

Concen: 0.068 ppbv

RT: 7.86 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Jun 2022 21:20

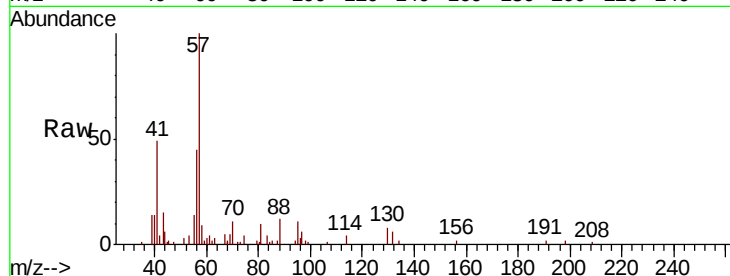
Tot Ion: 57 Resp: 31021

Ion Ratio Lower Upper

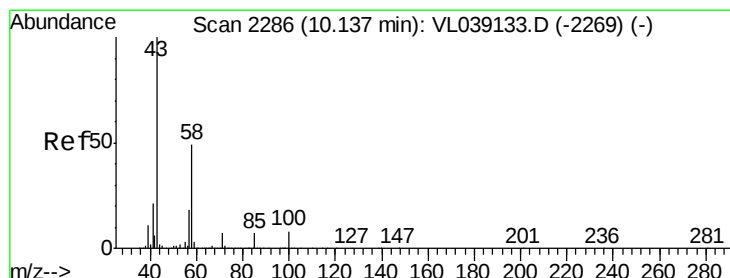
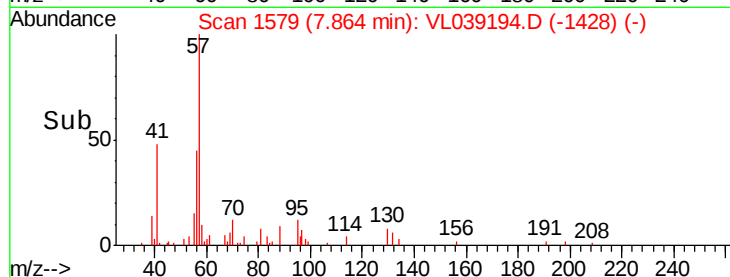
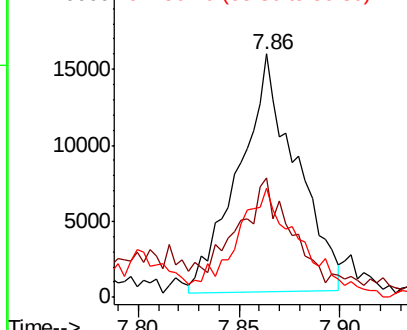
57 100

41 48.0 26.2 39.4#

56 52.3 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: 0.347 ppbv

RT: 10.13 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VL039194.D

Acq: 6 Jun 2022 21:20

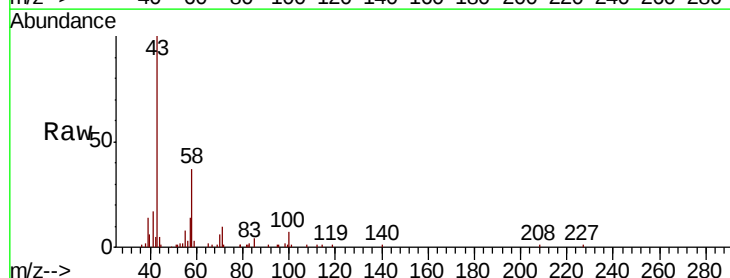
Tgt Ion: 43 Resp: 70372

Ion Ratio Lower Upper

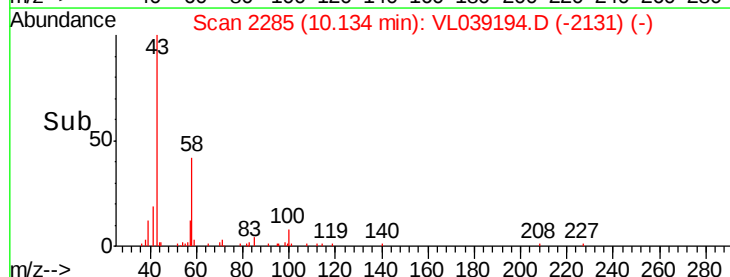
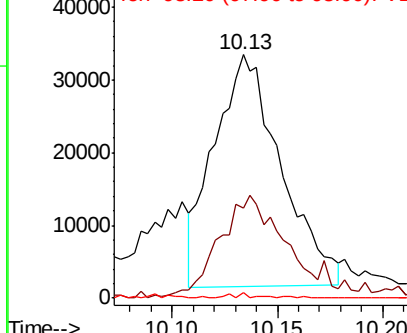
43 100

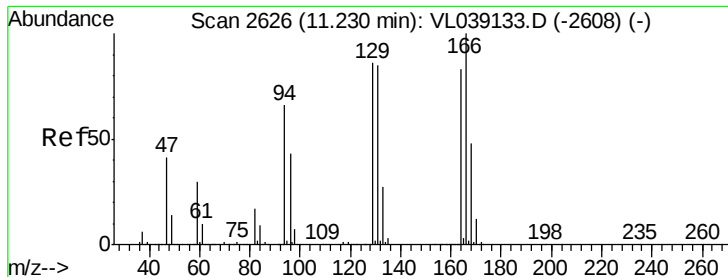
58 45.9 40.0 60.0

98 0.5 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: 2.357 ppbv

RT: 11.21

Delta R.T. MSVOA_L

Lab File:

Acq: 6 Jun 2022 21:20

Tot Ion:164 Resp: 239392

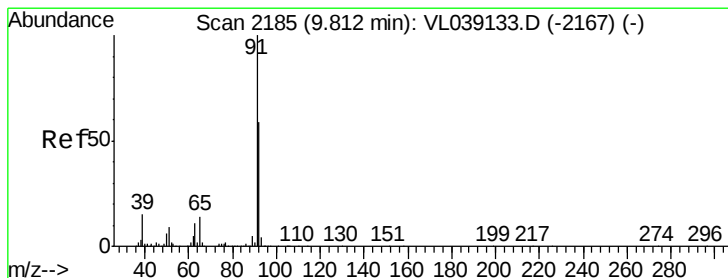
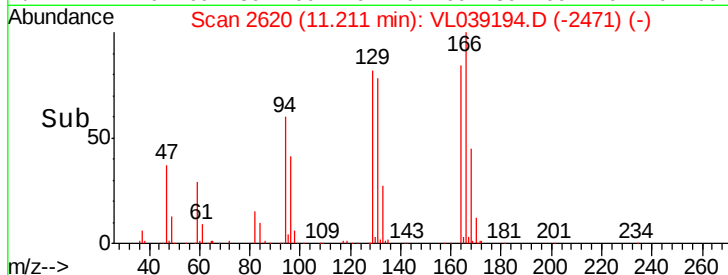
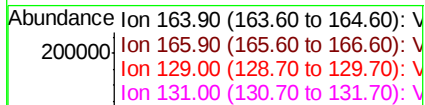
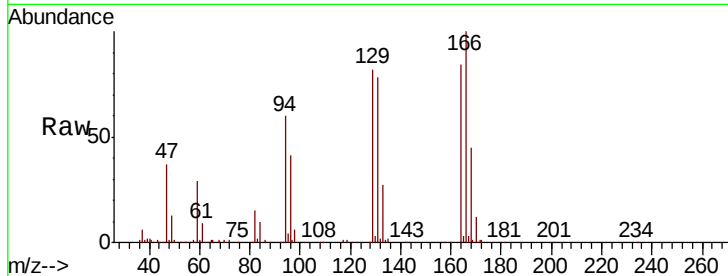
Ion Ratio Lower Upper

164 100

166 118.3 96.3 144.5

129 97.3 82.5 123.7

131 92.0 82.1 123.1



#53

Toluene

Concen: 0.967 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.02 min

Lab File: VL039194.D

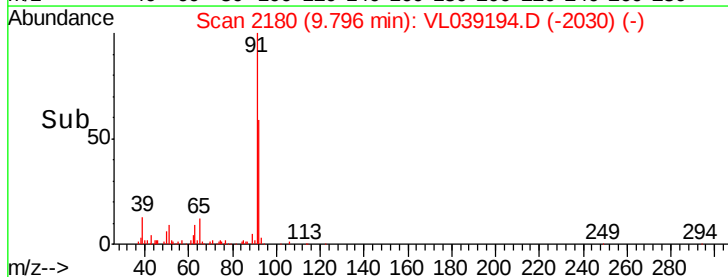
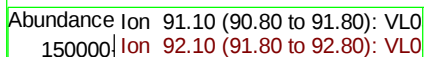
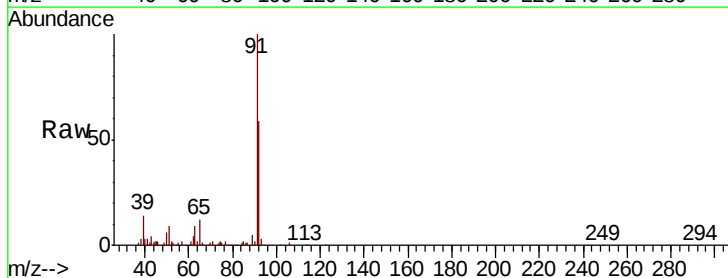
Acq: 6 Jun 2022 21:20

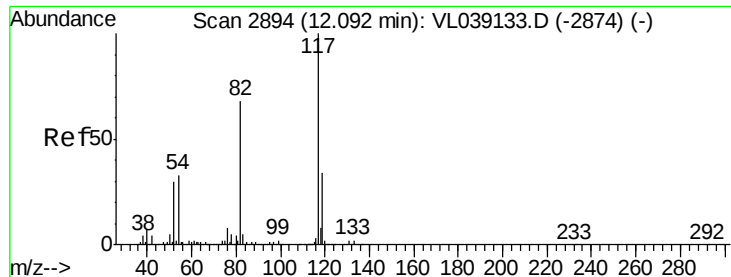
Tgt Ion: 91 Resp: 289655

Ion Ratio Lower Upper

91 100

92 59.3 48.1 72.1

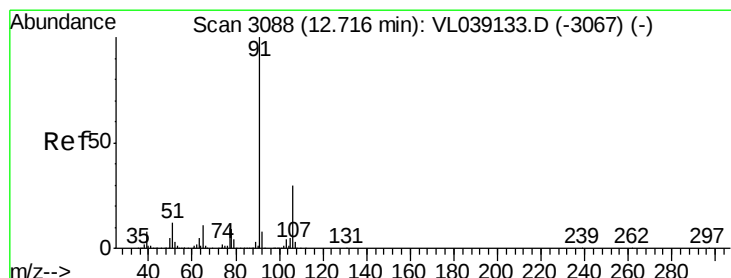
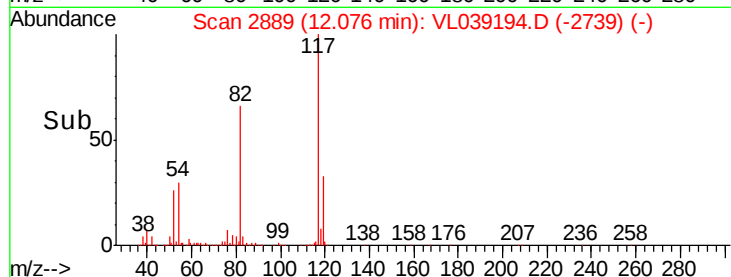
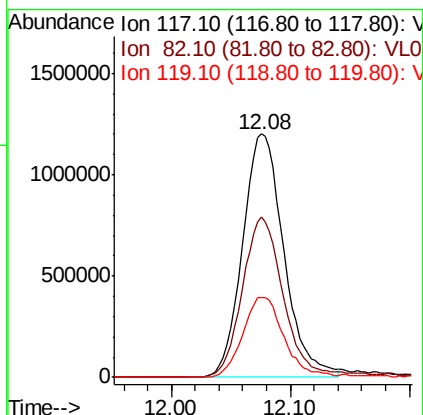
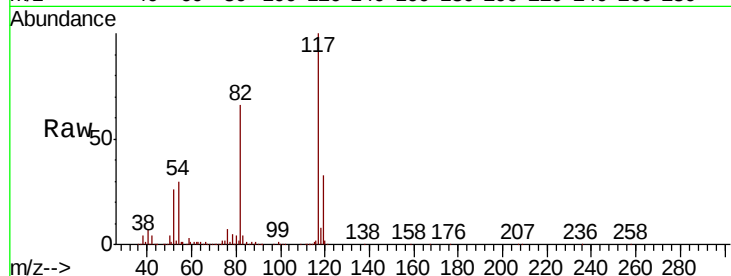




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 6 Jun 2022 21:20

Tot Ion: 117 Resp: 2883263

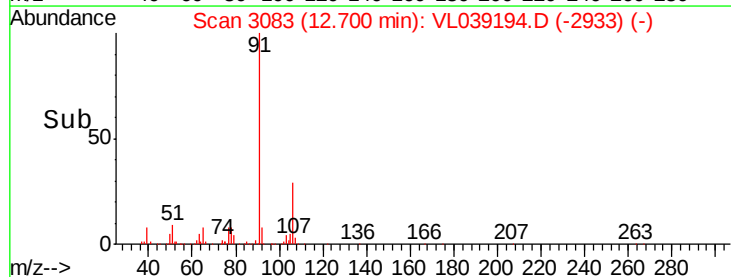
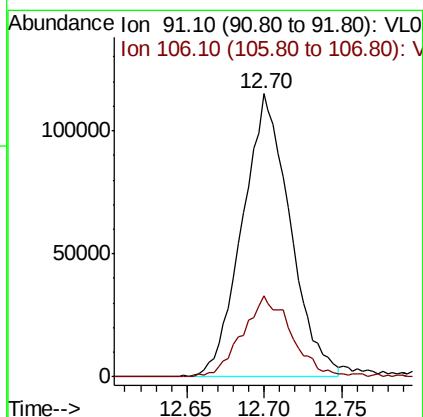
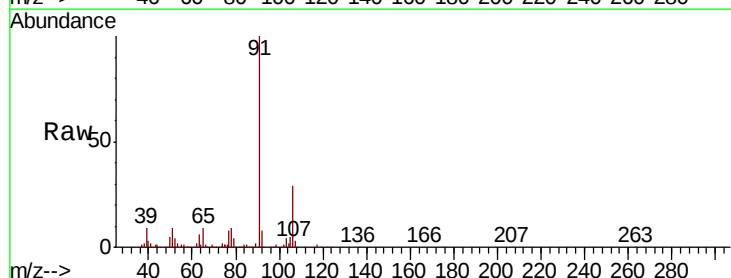
Ion	Ratio	Lower	Upper
117	100		
82	68.3	55.1	82.7
119	33.5	24.7	37.1

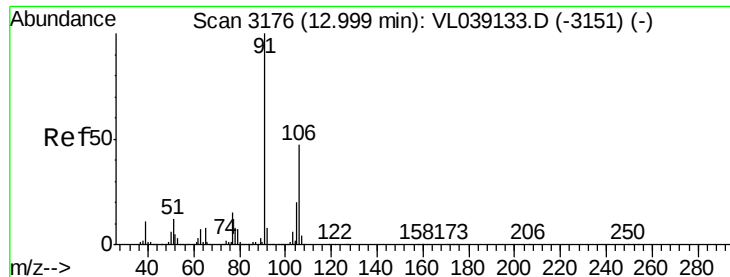


#58
Ethyl Benzene
Concen: 0.617 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. -0.02 min
Lab File: VL039194.D
Acq: 6 Jun 2022 21:20

Tgt Ion: 91 Resp: 245032

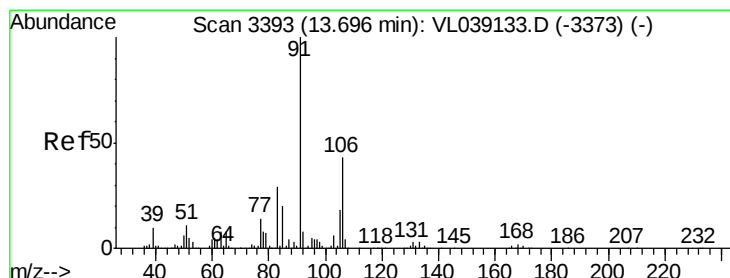
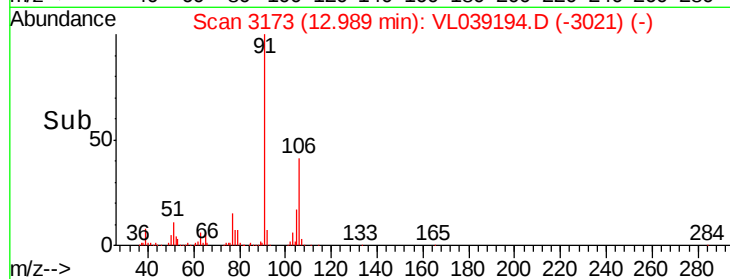
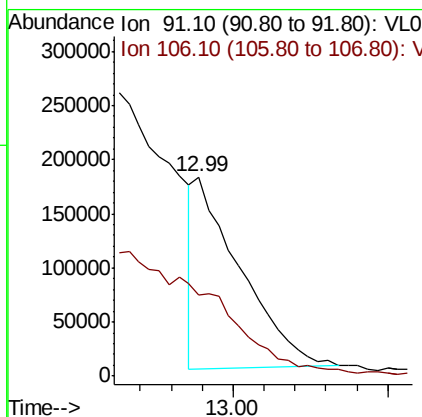
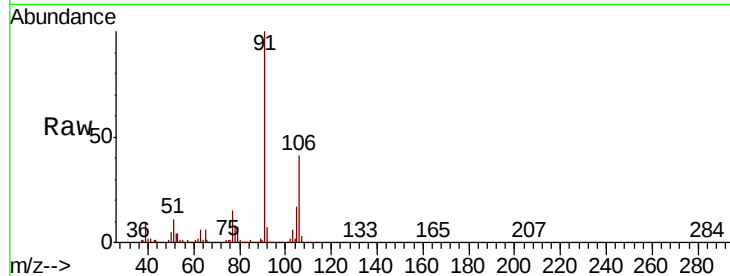
Ion	Ratio	Lower	Upper
91	100		
106	28.8	24.2	36.4





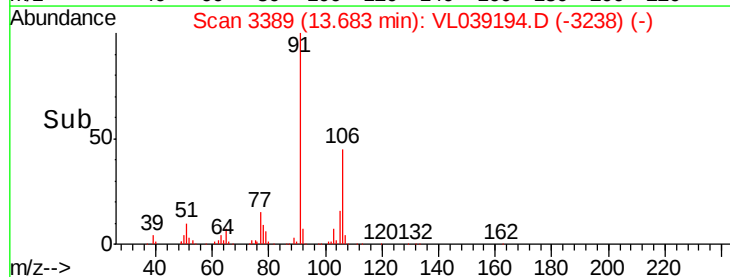
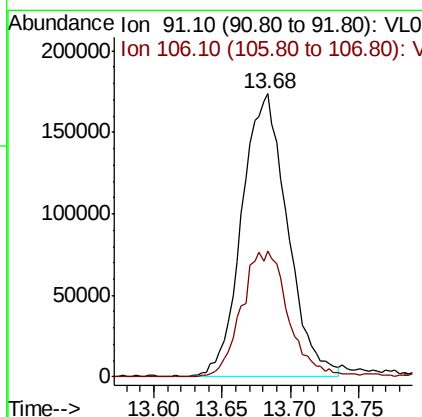
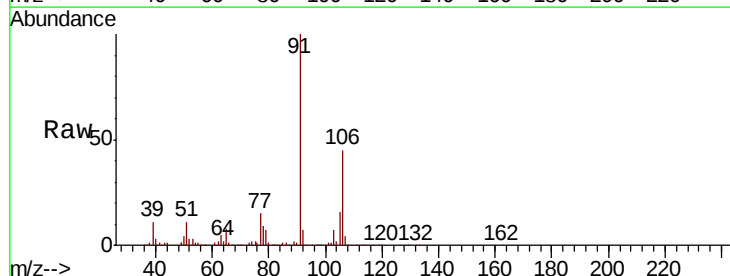
#59
m/p-Xylene
Concen: 0.522 ppbv
RT: 12.99 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 6 Jun 2022 21:20

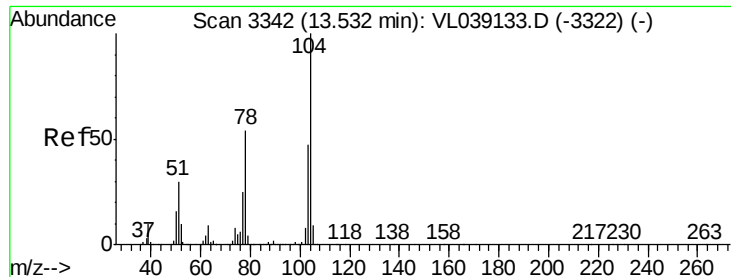
Tot Ion: 91 Resp: 182469
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5#



#60
o-Xylene
Concen: 1.225 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.01 min
Lab File: VL039194.D
Acq: 6 Jun 2022 21:20

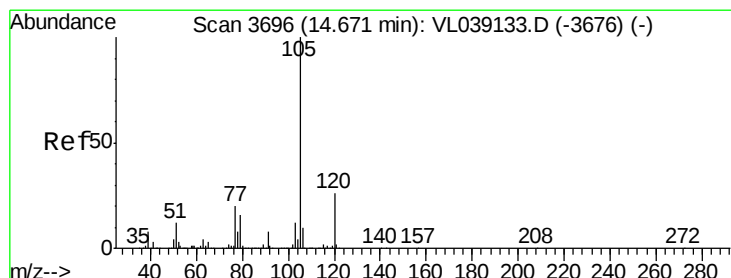
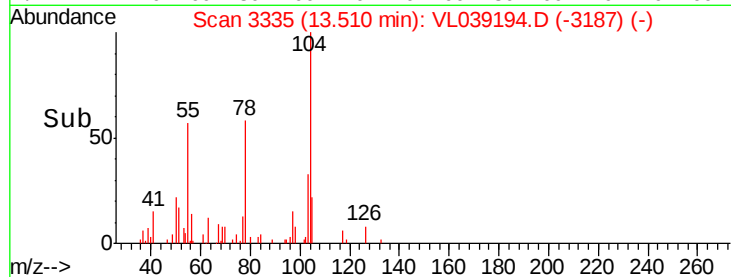
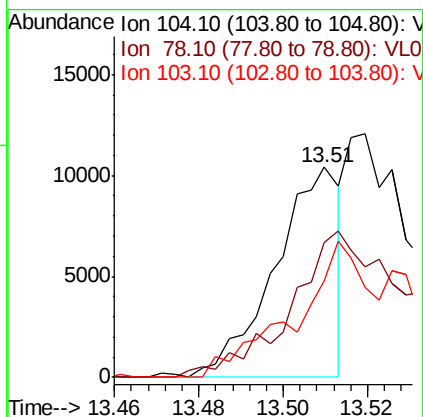
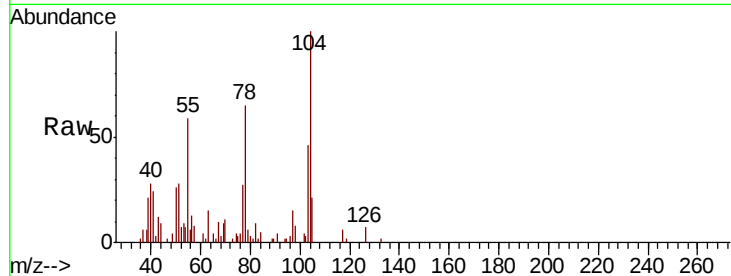
Tgt Ion: 91 Resp: 402421
Ion Ratio Lower Upper
91 100
106 46.5 22.3 66.9





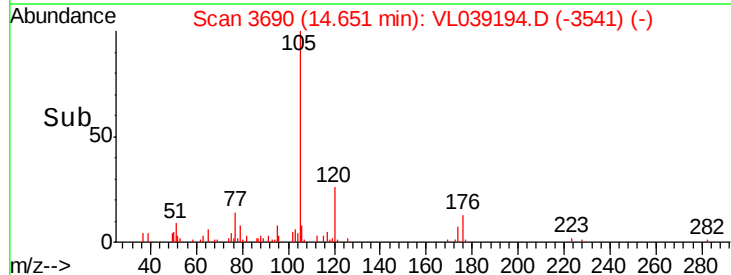
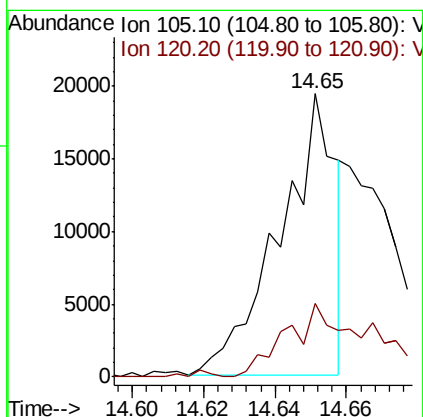
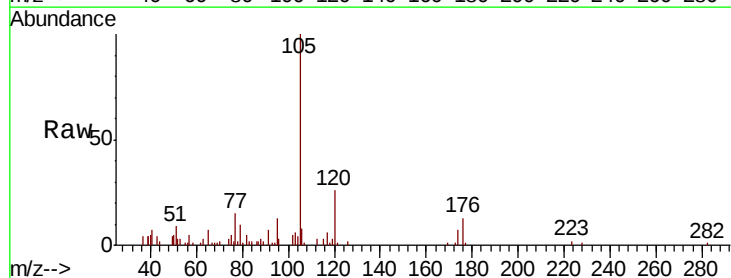
#61
Stvrene
Concen: 0.063 ppbv
RT: 13.51 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 6 Jun 2022 21:20

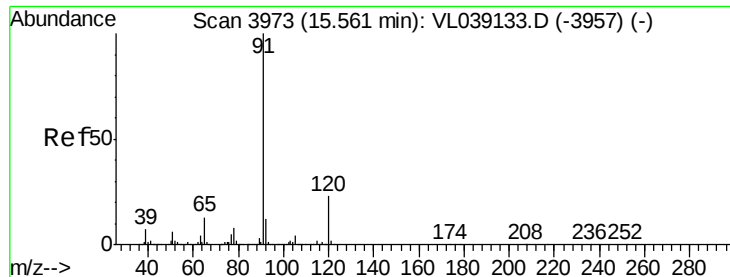
Tot Ion	Ratio	Lower	Upper
104	100		
78	138.1	45.7	68.5#
103	124.2	39.6	59.4#



#62
Isopropylbenzene
Concen: 0.043 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. -0.02 min
Lab File: VL039194.D
Acq: 6 Jun 2022 21:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.6	20.3	30.5#





#64

n-propylbenzene

Concen: 0.334 ppbv

RT: 15.55

Delta R.T. MSVOA_L

Lab File:

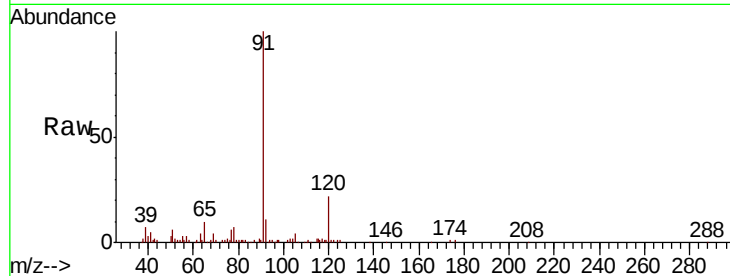
Acq: 6 Jun 2022 21:20

Tot Ion:120 Resp: 40136

Ion Ratio Lower Upper

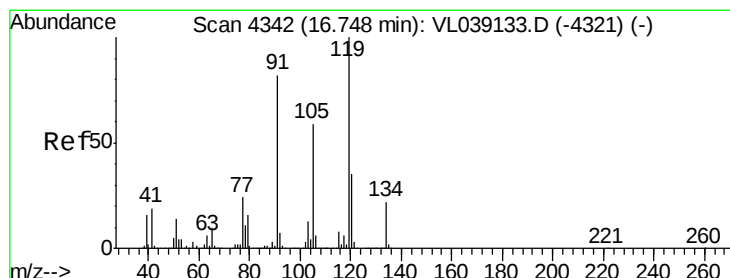
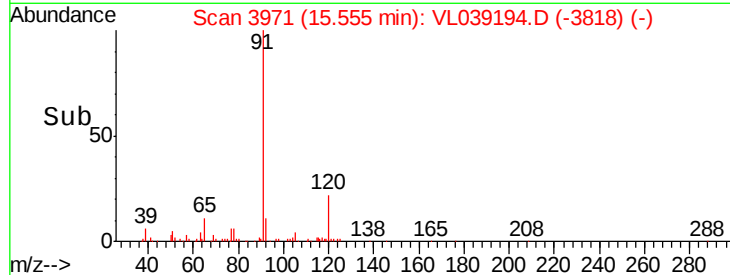
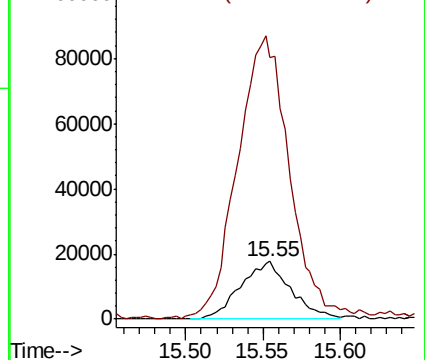
120 100

91 512.6 388.4 582.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.210 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.00 min

Lab File: VL039194.D

Acq: 6 Jun 2022 21:20

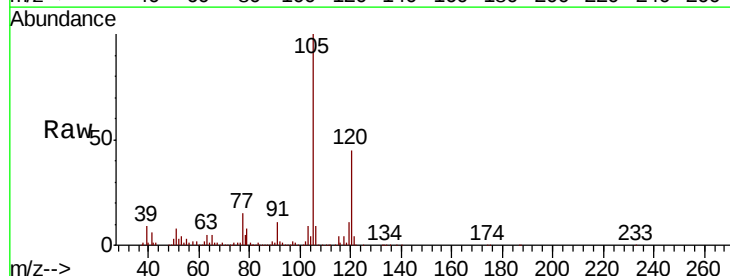
Tgt Ion:119 Resp: 93957

Ion Ratio Lower Upper

119 100

91 117.9 67.1 100.7#

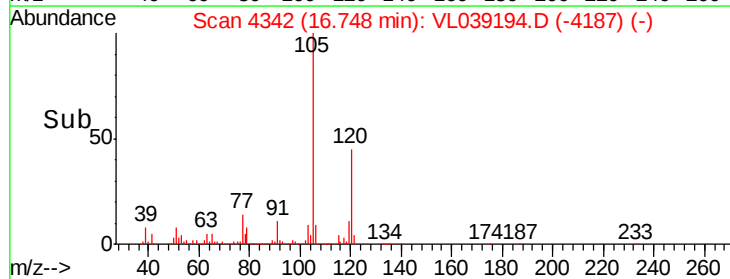
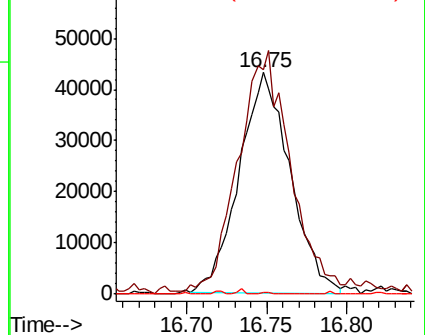
134 0.0 15.8 23.8#

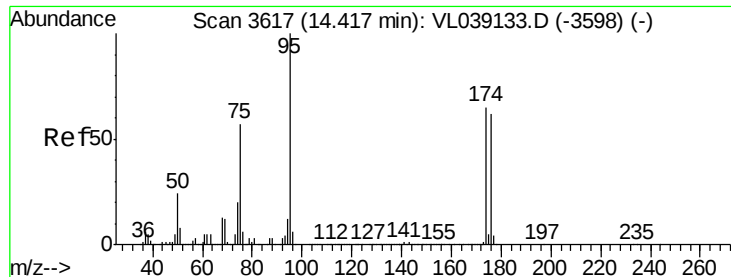


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

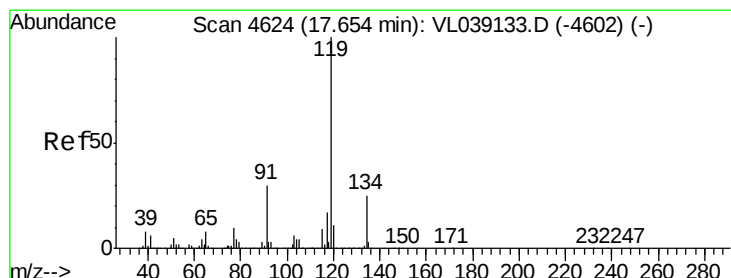
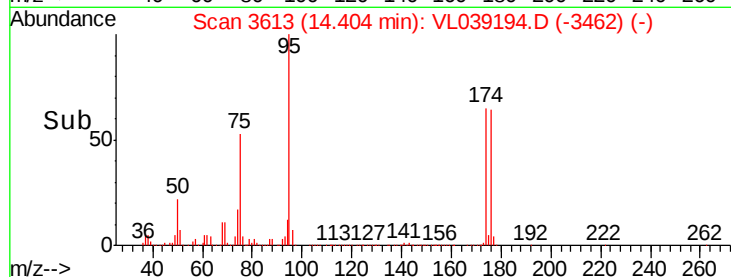
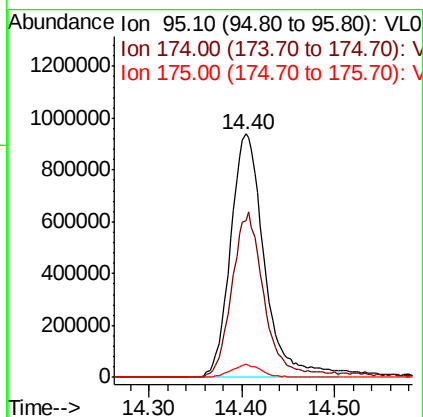
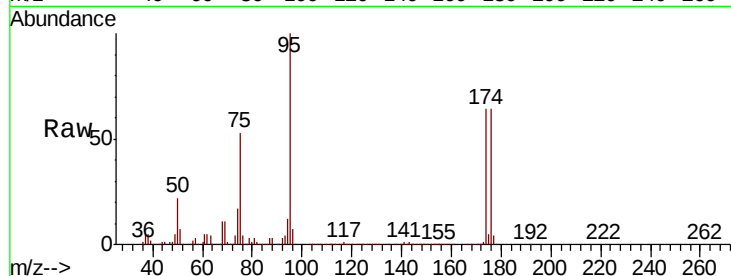
Ion 134.20 (133.90 to 134.90): V





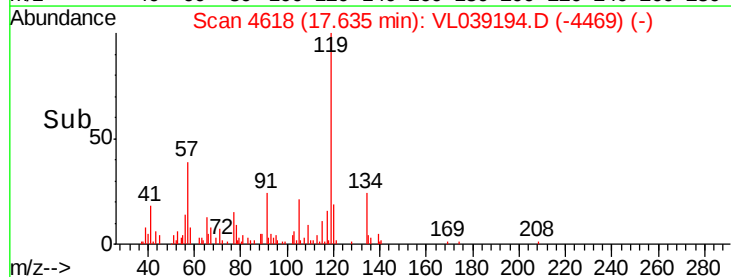
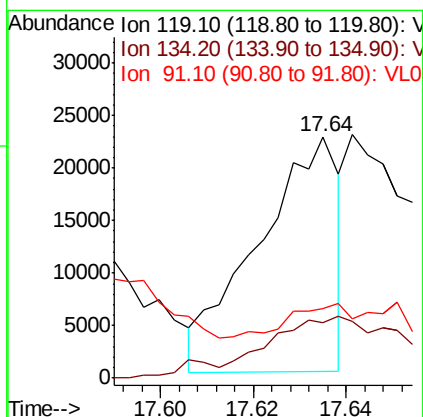
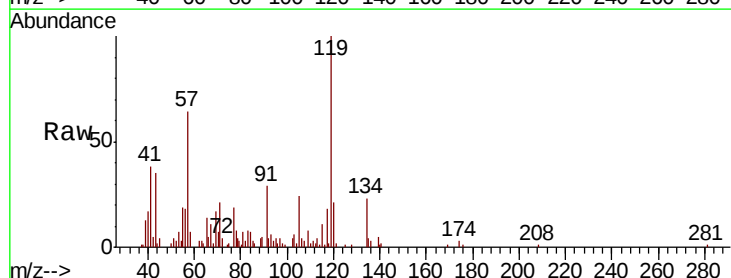
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.976 ppbv
 RT: 14.40 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 6 Jun 2022 21:20

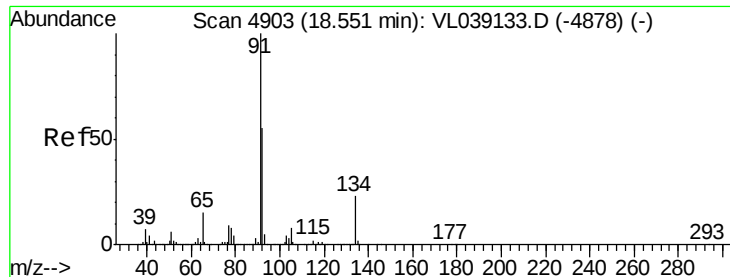
Tot Ion: 95 Resp: 2378022
 Ion Ratio Lower Upper
 95 100
 174 67.5 53.8 80.8
 175 4.8 4.1 6.1



#69
 p-Isopropyltoluene
 Concen: 0.053 ppbv
 RT: 17.64 min Scan# 4618
 Delta R.T. -0.02 min
 Lab File: VL039194.D
 Acq: 6 Jun 2022 21:20

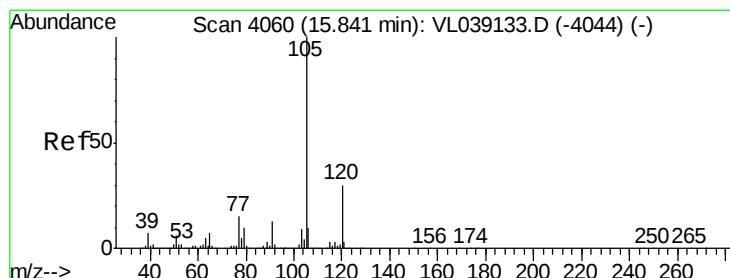
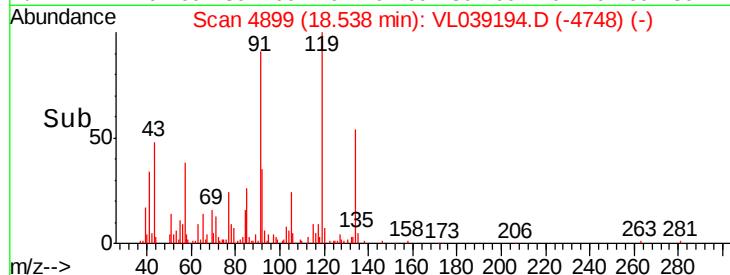
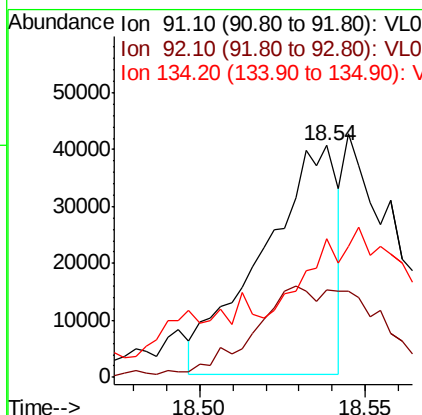
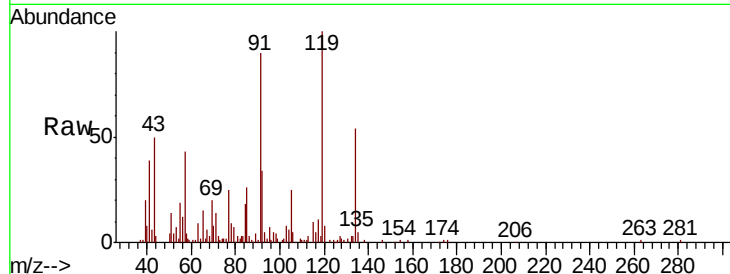
Tgt Ion: 119 Resp: 27137
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.4 30.6#
 91 0.0 24.2 36.4#





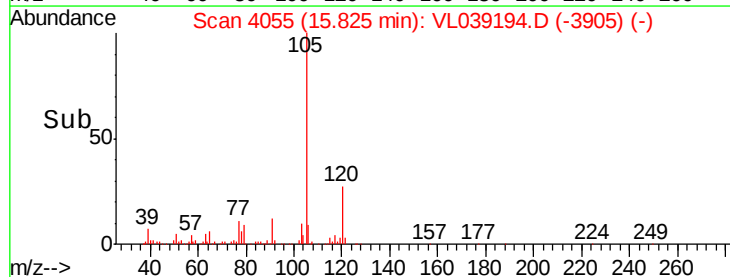
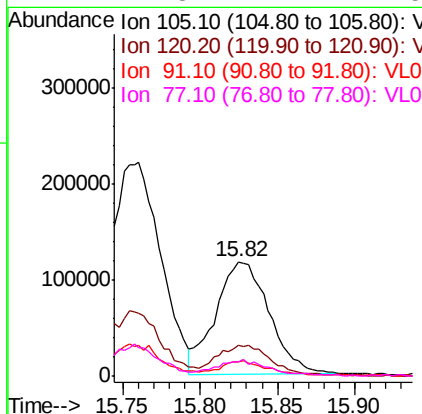
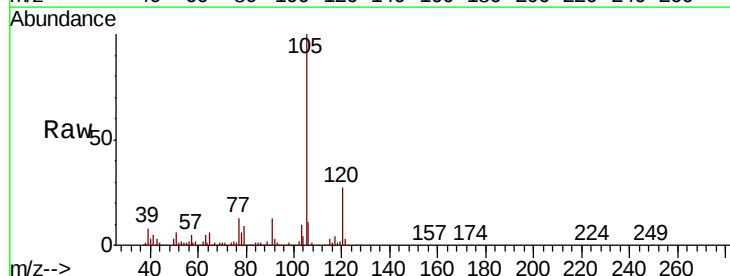
#70
n-Butylbenzene
Concen: 0.121 ppbv
RT: 18.54 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 6 Jun 2022 21:20

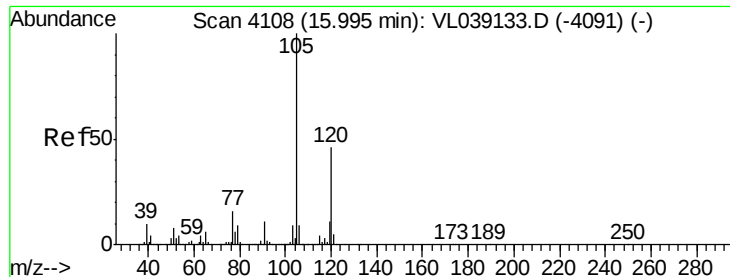
Tot Ion	Ratio	Lower	Upper
91	100		
92	70.9	43.6	65.4#
134	0.0	17.7	26.5#



#72
4-Ethyltoluene
Concen: 0.729 ppbv
RT: 15.82 min Scan# 4055
Delta R.T.: -0.02 min
Lab File: VL039194.D
Acq: 6 Jun 2022 21:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.9	23.9	35.9
91	13.0	10.6	16.0
77	14.8	11.7	17.5





#73

1,3,5-Trimethylbenzene

Concen: 0.664 ppbv

RT: 15.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

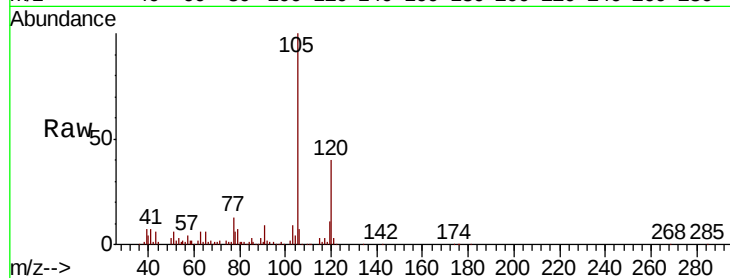
Acq: 6 Jun 2022 21:20

Tot Ion:105 Resp: 230573

Ion Ratio Lower Upper

105 100

120 40.2 36.7 55.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.98

120000

100000

80000

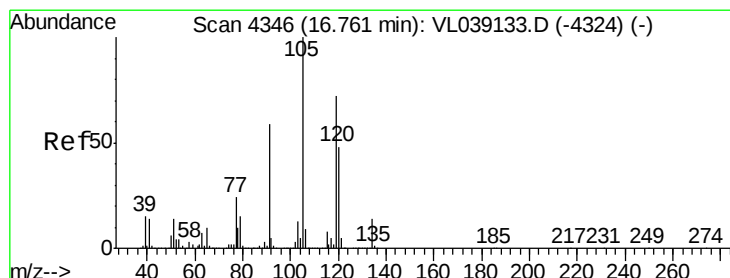
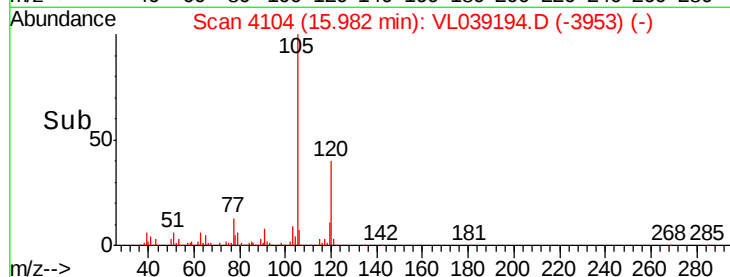
60000

40000

20000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 2.390 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL039194.D

Acq: 6 Jun 2022 21:20

Tgt Ion:105 Resp: 926386

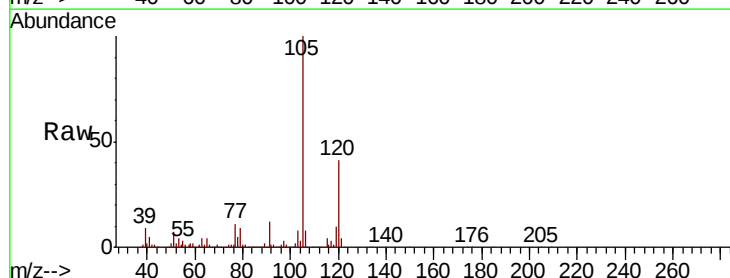
Ion Ratio Lower Upper

105 100

120 40.5 38.1 57.1

91 11.4 47.4 71.0#

77 11.0 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

600000

500000

400000

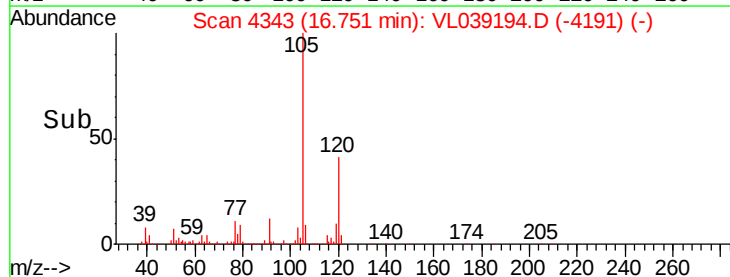
300000

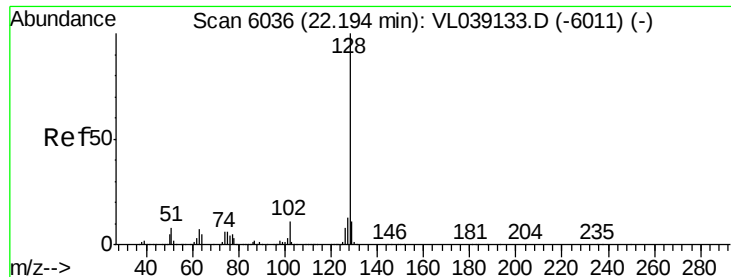
200000

100000

0

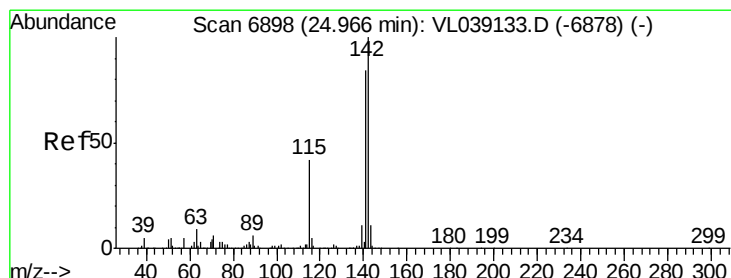
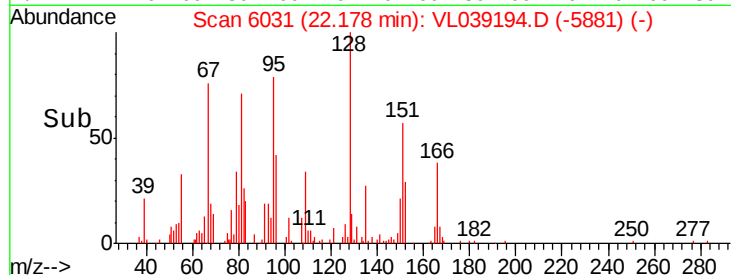
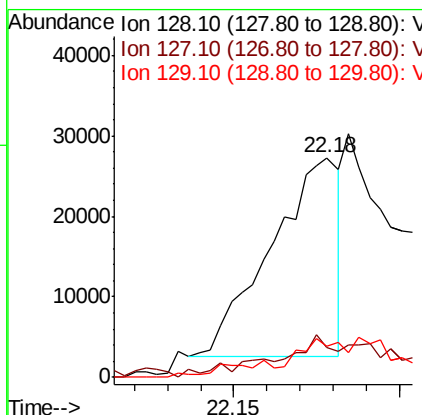
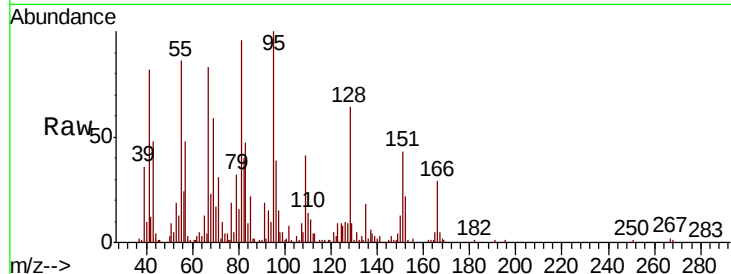
Time-->





#79
Naphthalene
Concen: 0.119 ppbv
RT: 22.18 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 6 Jun 2022 21:20

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.4	15.6
129	14.2	9.0	13.6



#80
Naphthalene, 2-methyl-
Concen: 0.036 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. -0.00 min
Lab File: VL039194.D
Acq: 6 Jun 2022 21:20

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.3	64.6	96.8
115	189.8	32.7	49.1

