

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052322\
 Data File : VL039098.D
 Acq On : 24 May 2022 00:25
 Operator : SY/AP
 Sample : N2956-05
 Misc : 400mL/MSVOA L
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-2

Quant Time: May 24 06:02:56 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1197314	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3114630	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.06	117	2742671	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2152728	9.91	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	46423	0.247	ppbv 100
3) Chlorodifluoromethane	2.98	51	33102	0.223	ppbv # 81
4) Chloromethane	3.13	50	22833	0.307	ppbv 100
9) Propene	3.00	41	5002670	77.104	ppbv 93
10) Heptane	8.10	43	220232	1.384	ppbv 99
11) Trichlorofluoromethane	3.94	101	62003	0.385	ppbv 86
12) 1,1,2-Trichlorotrifluoroet	4.48	101	9138	0.082	ppbv # 73
13) Ethanol	3.59	45	180285	39.264	ppbv 92
15) Acetone	3.84	43	12237524	108.352	ppbv # 87
16) 1,3-Butadiene	3.30	39	2730852	42.085	ppbv # 31
17) tert-Butyl alcohol	4.28	59	101595	1.170	ppbv # 78
19) Isopropyl Alcohol	3.95	45	293759	5.470	ppbv # 95
20) Methylene Chloride	4.34	84	716836	16.840	ppbv 95
21) Allyl Chloride	4.39	41	39554	0.514	ppbv # 1
23) Vinyl Acetate	5.05	43	134890	1.509	ppbv # 1
25) Ethyl Acetate	5.67	43	697595	2.581	ppbv # 81
26) Hexane	5.67	57	932600	7.764	ppbv # 41
27) Carbon Disulfide	4.54	76	71194	0.624	ppbv # 86
29) Chloroform	5.74	83	11674	0.060	ppbv 88
30) Cyclohexane	7.12	84	8822	0.088	ppbv # 1
32) 1,1,1-Trichloroethane	6.50	97	1498918	7.714	ppbv 98
34) 2-Butanone	5.23	43	2395072	15.073	ppbv 97
36) Benzene	6.87	78	999486	3.750	ppbv 98
37) 1,2-Dichloroethane	6.49	62	97212	0.589	ppbv # 1
39) 1,2-Dichloropropane	7.16	63	740057	7.136	ppbv # 27
41) Tetrahydrofuran	6.03	42	651511	6.101	ppbv 98
43) Methyl Methacrylate	7.99	69	16954	0.157	ppbv # 1
44) 2,2,4-Trimethylpentane	7.85	57	168212	0.360	ppbv # 68
50) 4-Methyl-2-Pentanone	8.72	43	672268	2.413	ppbv 95
51) 2-Hexanone	10.11	43	153045	0.753	ppbv # 100
52) Tetrachloroethene	11.20	164	88883	0.933	ppbv 88
53) Toluene	9.78	91	1543385	5.166	ppbv 100
58) Ethyl Benzene	12.68	91	594618	1.506	ppbv 94
59) m/p-Xylene	12.94	91	2131272	6.325	ppbv 94
60) o-Xylene	13.66	91	887402	2.798	ppbv 100
61) Styrene	13.50	104	37441	0.221	ppbv 97
62) Isopropylbenzene	14.64	105	39737	0.086	ppbv # 49
64) n-propylbenzene	15.53	120	71276	0.636	ppbv 90
65) tert-Butylbenzene	16.73	119	265346	0.653	ppbv # 77
66) Benzyl Chloride	16.74	91	101862	1.918	ppbv # 71
67) sec-Butylbenzene	17.27	105	41257	0.071	ppbv # 75

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ClientSampleId :
VP-2

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

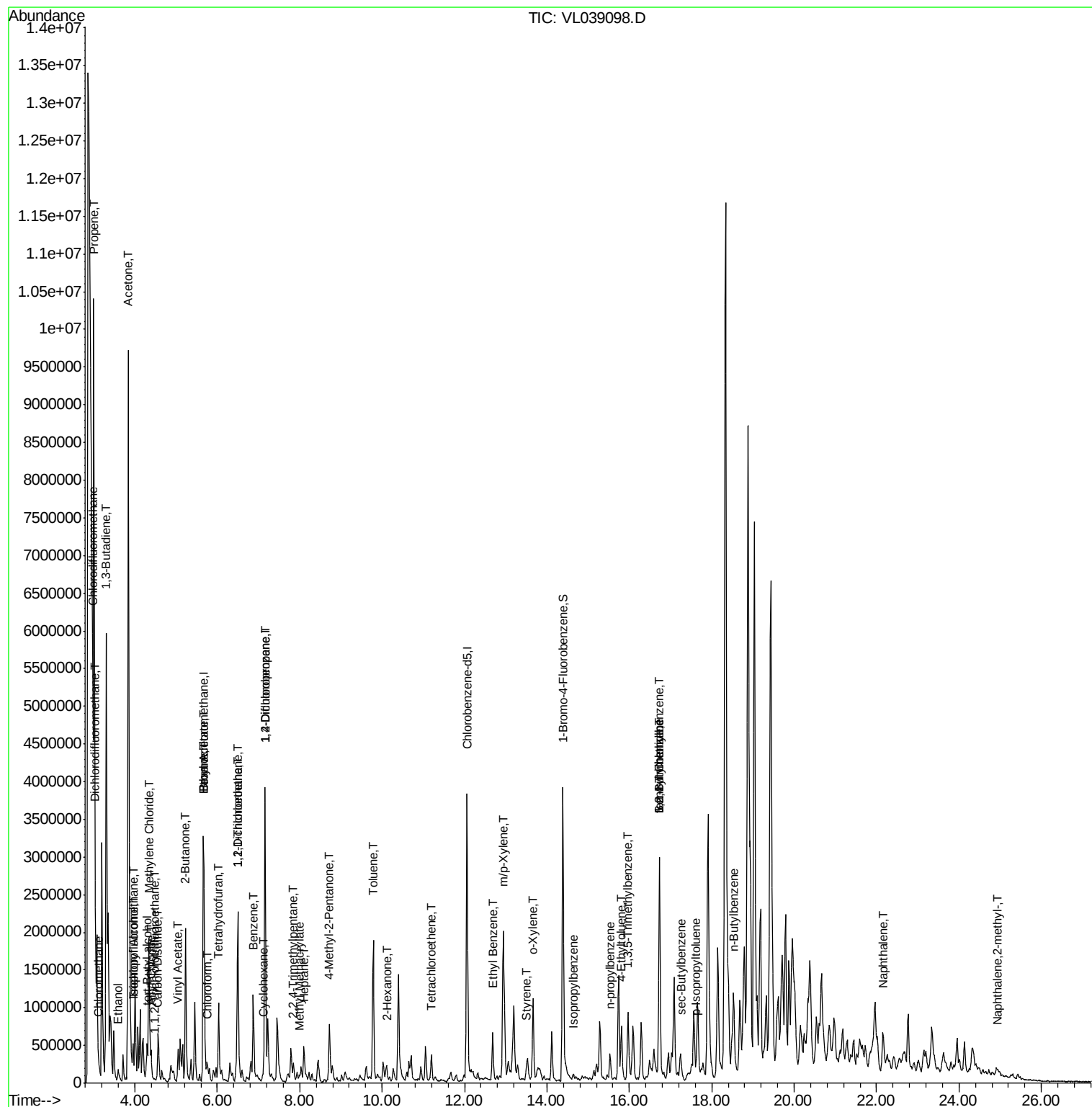
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) p-Isopropyltoluene	17.61	119	21805	0.046	ppbv #	47
70) n-Butylbenzene	18.52	91	104903	0.211	ppbv #	33
72) 4-Ethyltoluene	15.81	105	588062	1.627	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	683497	2.101	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	2358989	6.622	ppbv #	65
79) Naphthalene	22.17	128	105277	0.364	ppbv	97
80) Naphthalene,2-methyl-	24.94	142	48414	0.553	ppbv #	88

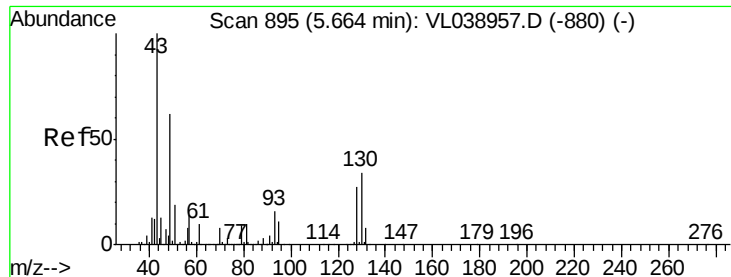
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VP-2

Acq: 24 May 2022 00:25

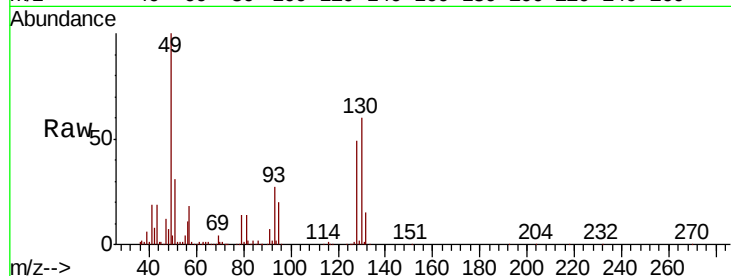
Tot Ion: 49 Resp: 1197314

Ion Ratio Lower Upper

49 100

128 48.8 23.3 69.8

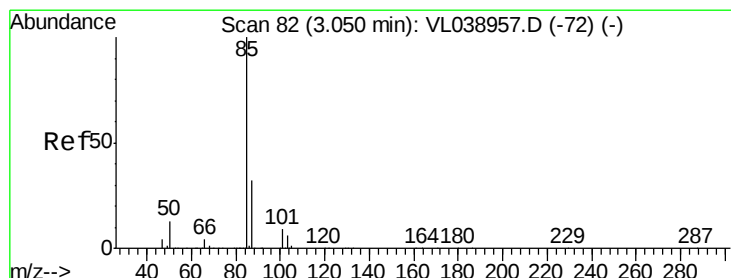
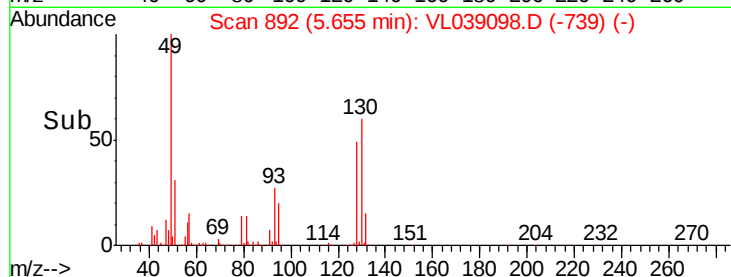
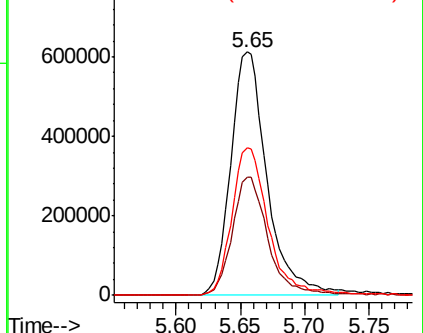
130 61.7 29.8 89.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.247 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL039098.D

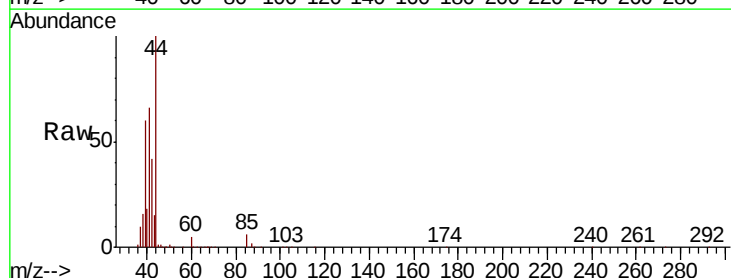
Acq: 24 May 2022 00:25

Tgt Ion: 85 Resp: 46423

Ion Ratio Lower Upper

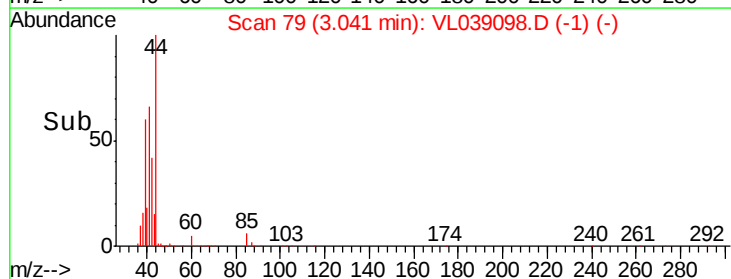
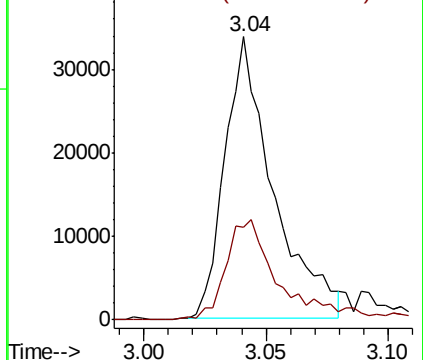
85 100

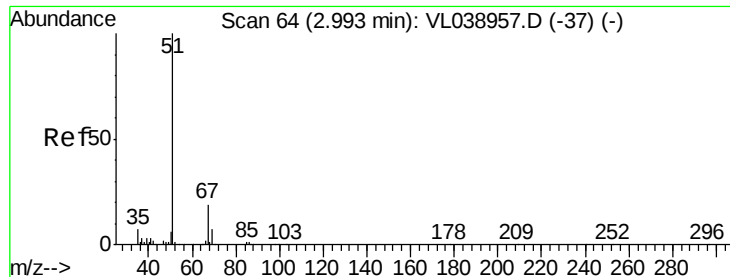
87 31.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.223 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VP-2

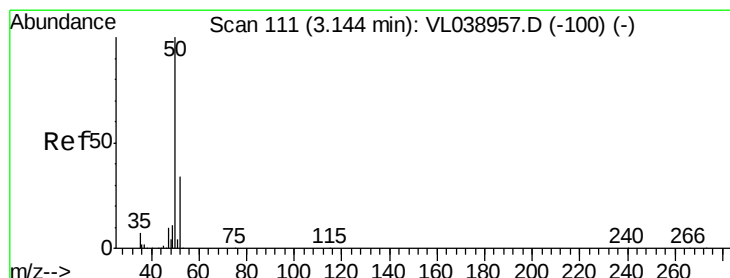
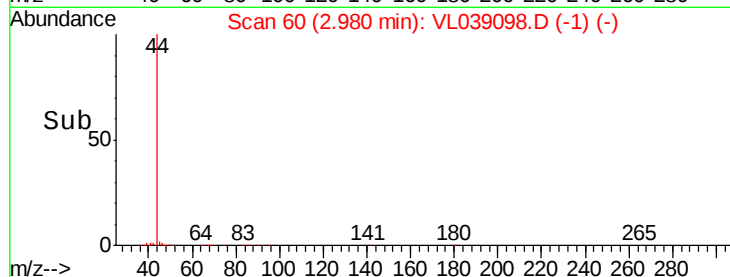
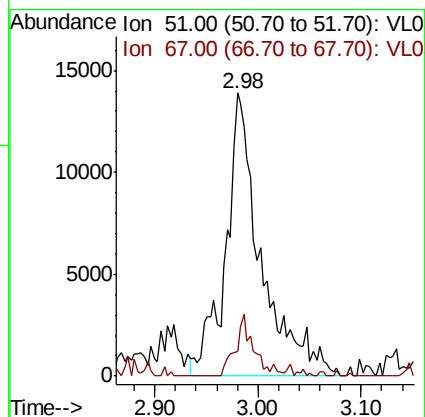
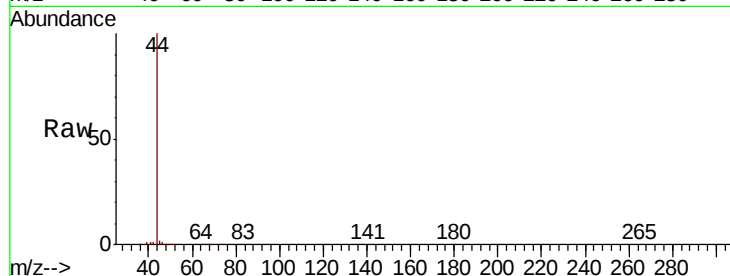
Acq: 24 May 2022 00:25

Tot Ion: 51 Resp: 33102

Ion Ratio Lower Upper

51 100

67 11.2 15.8 23.8#



#4

Chloromethane

Concen: 0.307 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL039098.D

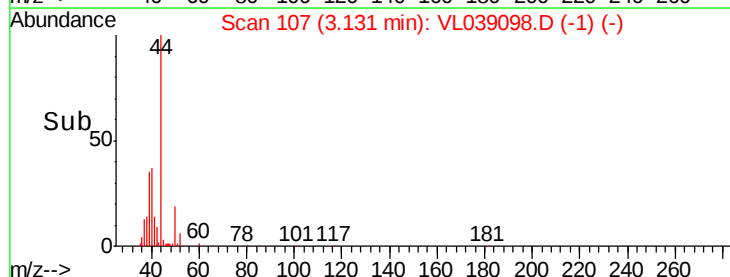
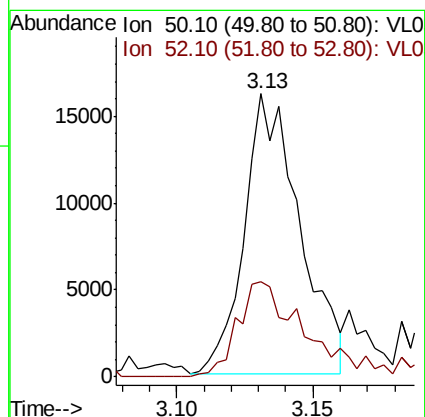
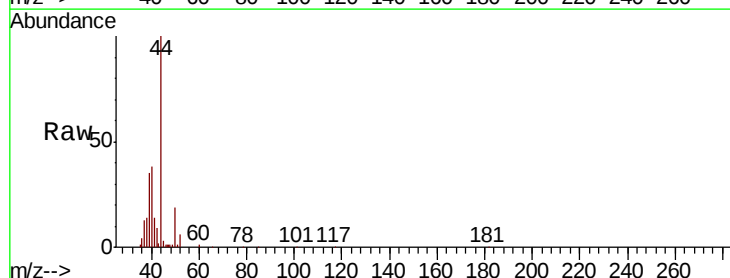
Acq: 24 May 2022 00:25

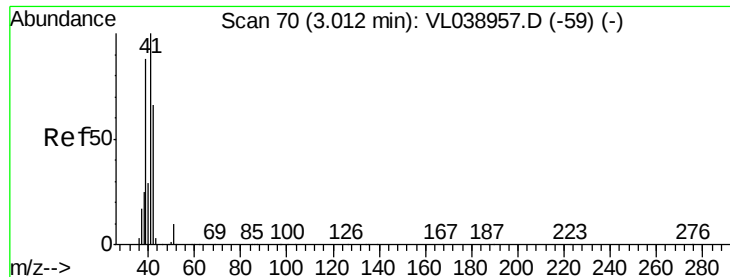
Tgt Ion: 50 Resp: 22833

Ion Ratio Lower Upper

50 100

52 34.1 27.3 40.9





#9

Propene

Concen: 77.104 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

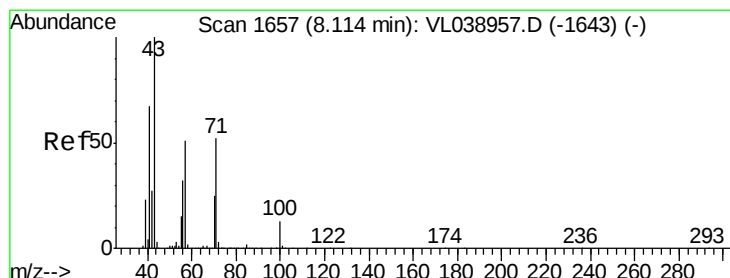
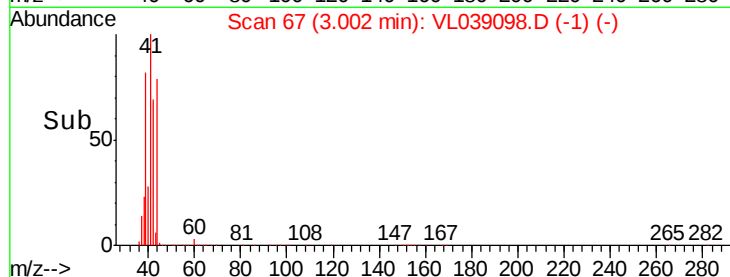
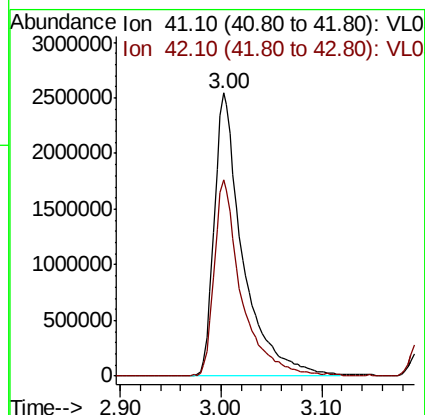
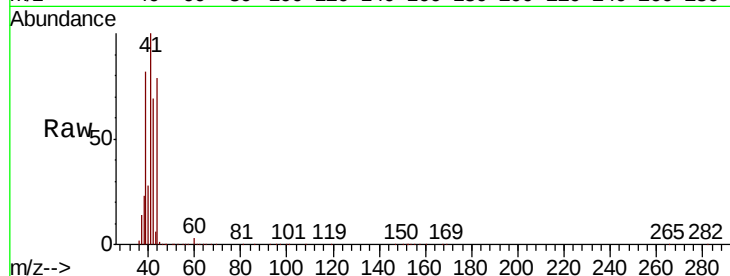
Acq: 24 May 2022 00:25

Tot Ion: 41 Resp: 5002670

Ion Ratio Lower Upper

41 100

42 66.7 58.3 87.5



#10

Heptane

Concen: 1.384 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.01 min

Lab File: VL039098.D

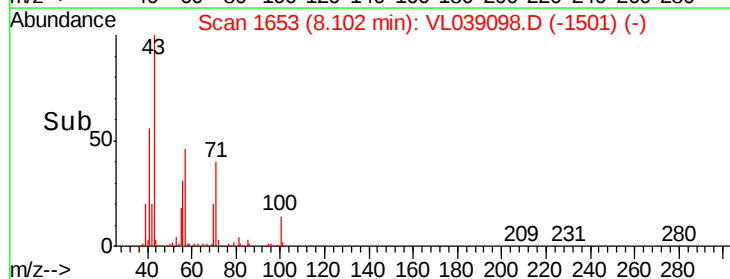
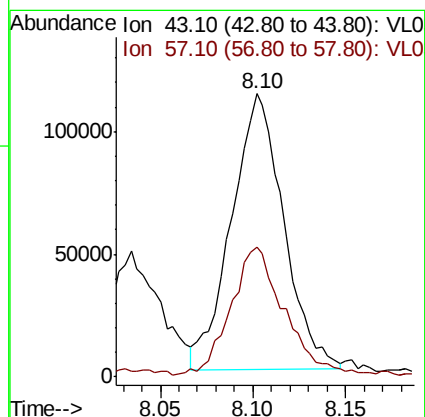
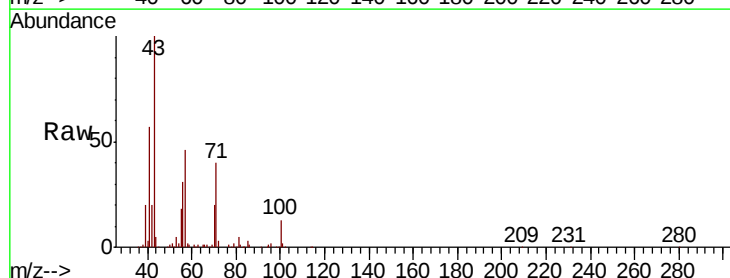
Acq: 24 May 2022 00:25

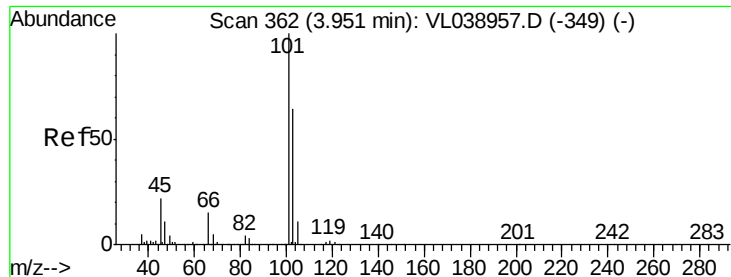
Tgt Ion: 43 Resp: 220232

Ion Ratio Lower Upper

43 100

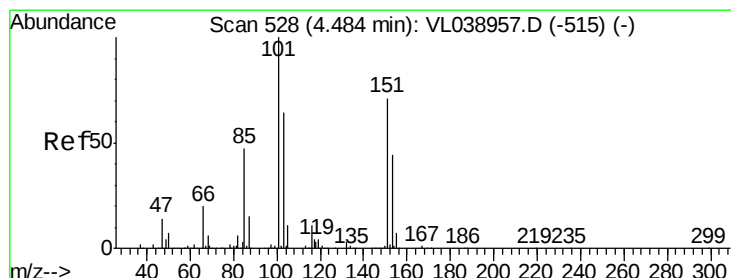
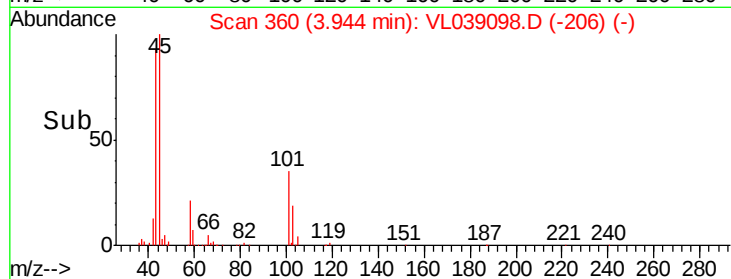
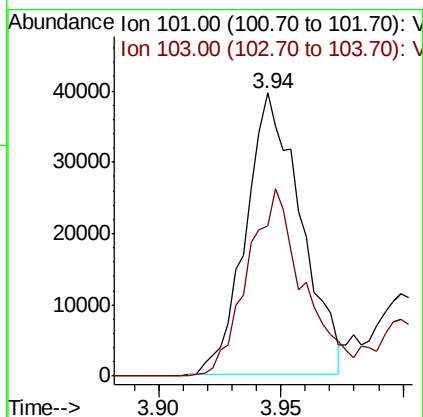
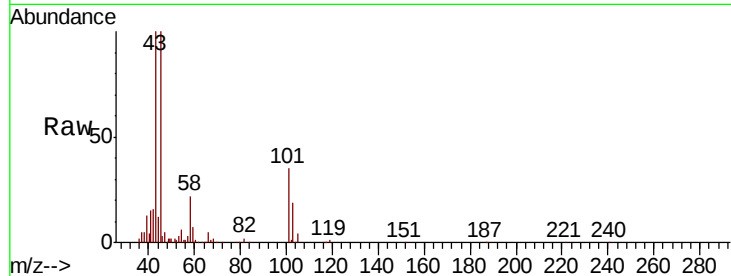
57 51.3 40.5 60.7





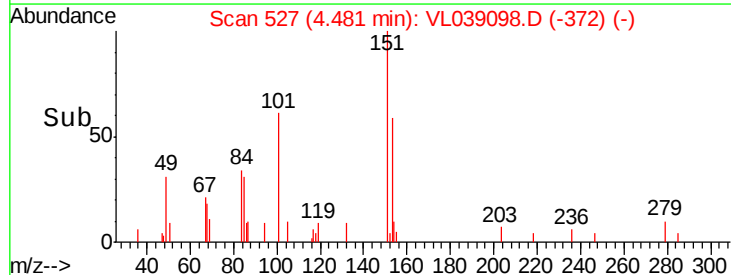
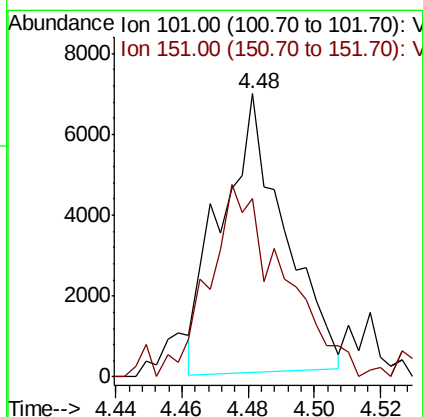
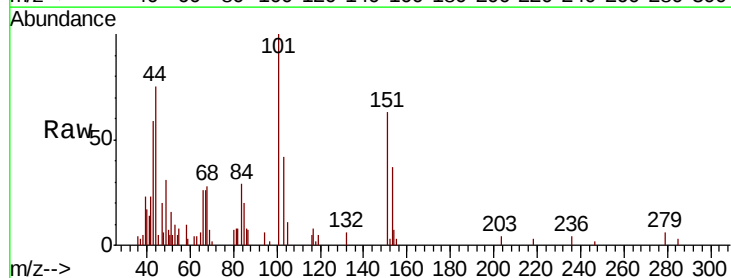
#11
 Trichlorofluoromethane
 Concen: 0.385 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 May 2022 00:25

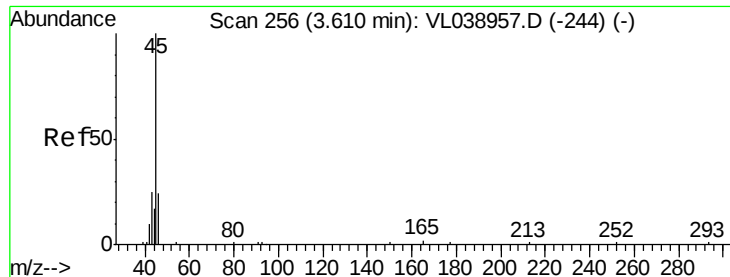
Tot Ion:101 Resp: 62003
 Ion Ratio Lower Upper
 101 100
 103 53.4 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.082 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL039098.D
 Acq: 24 May 2022 00:25

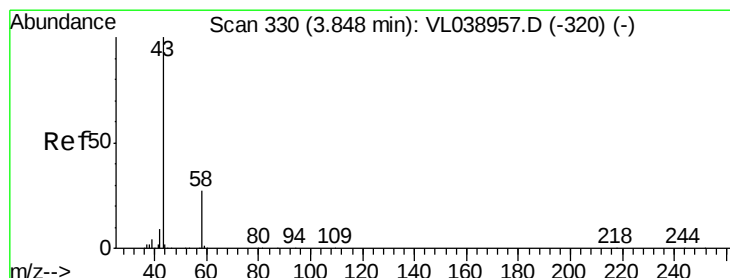
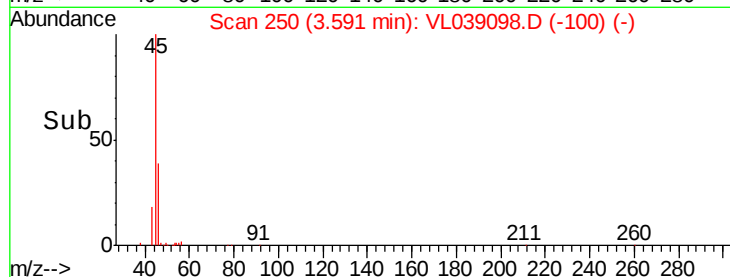
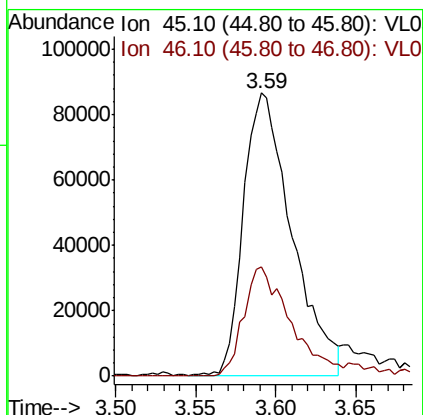
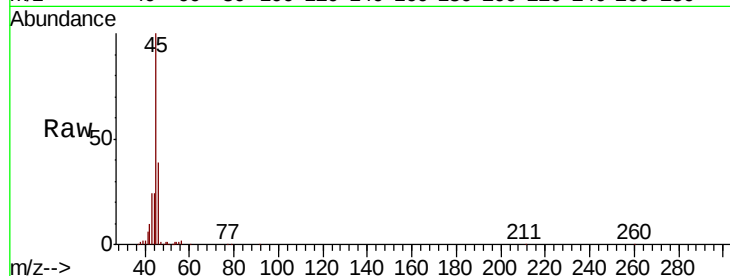
Tgt Ion:101 Resp: 9138
 Ion Ratio Lower Upper
 101 100
 151 91.0 55.4 83.0#





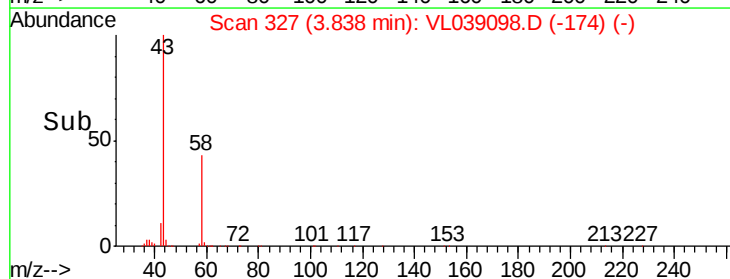
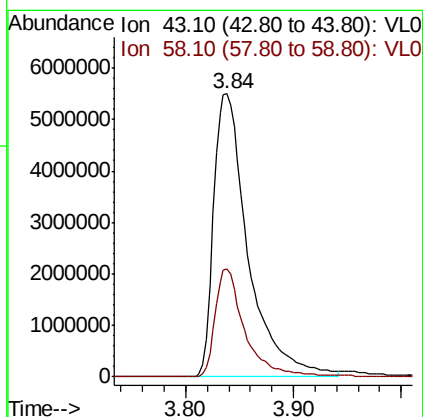
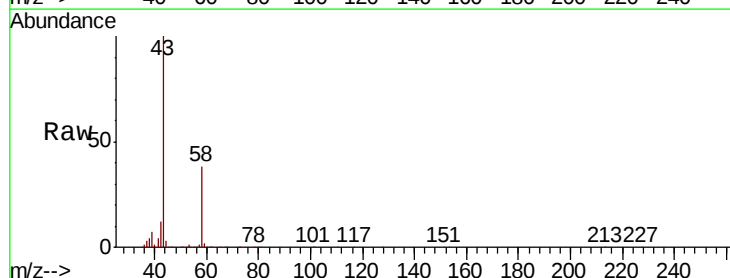
#13
Ethanol
Concen: 39.264 ppbv
RT: 3.59
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VP-2
Acq: 24 May 2022 00:25

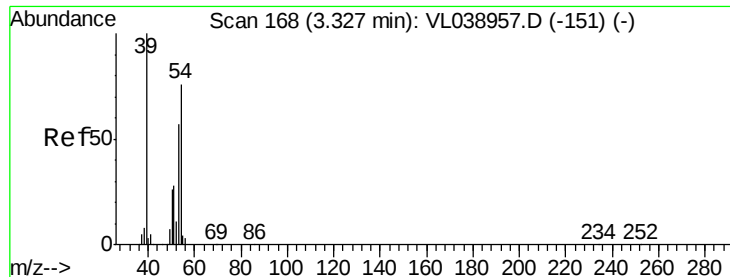
Tot Ion: 45 Resp: 180285
Ion Ratio Lower Upper
45 100
46 40.2 18.0 72.2



#15
Acetone
Concen: 108.352 ppbv
RT: 3.84 min Scan# 327
Delta R.T.: -0.01 min
Lab File: VL039098.D
Acq: 24 May 2022 00:25

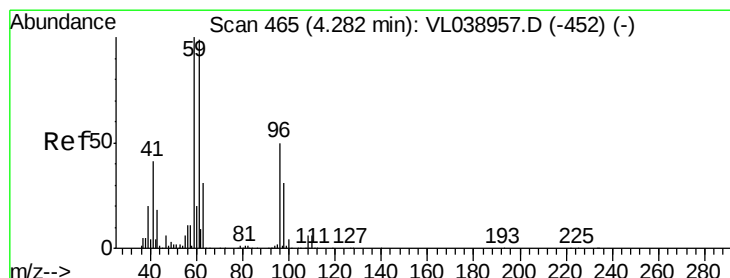
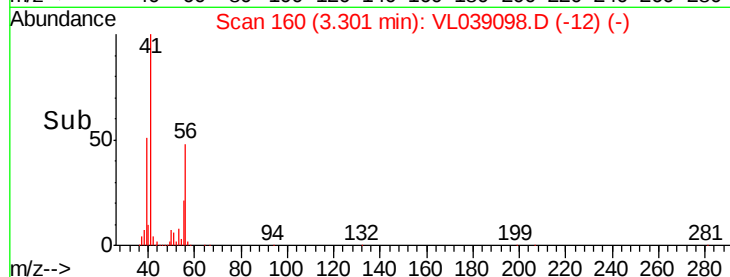
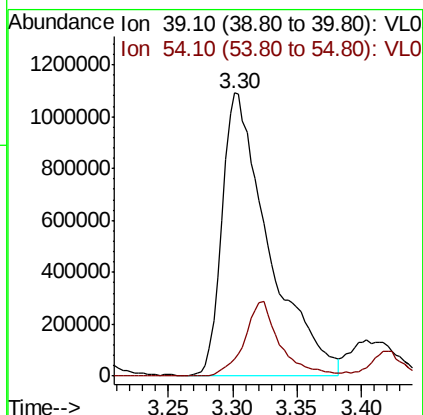
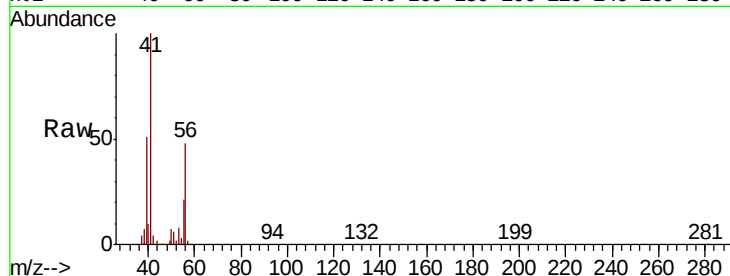
Tgt Ion: 43 Resp:12237524
Ion Ratio Lower Upper
43 100
58 33.5 21.3 31.9#





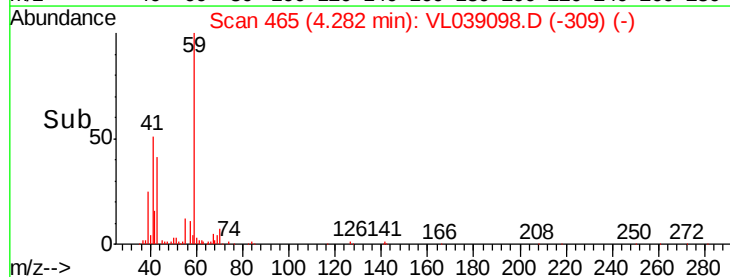
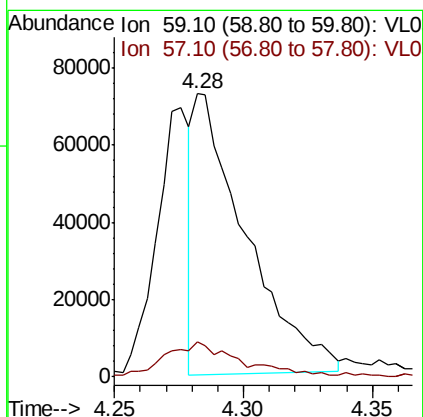
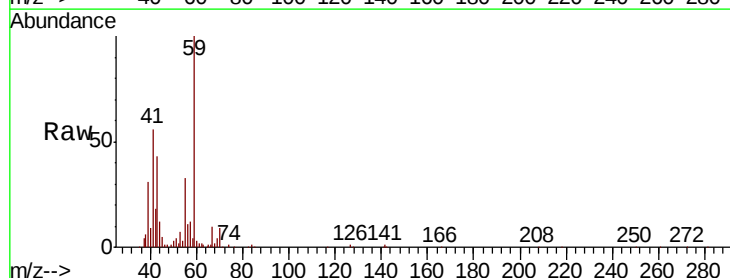
#16
 1,3-Butadiene
 Concen: 42.085 ppbv
 RT: 3.30
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VP-2
 Acq: 24 May 2022 00:25

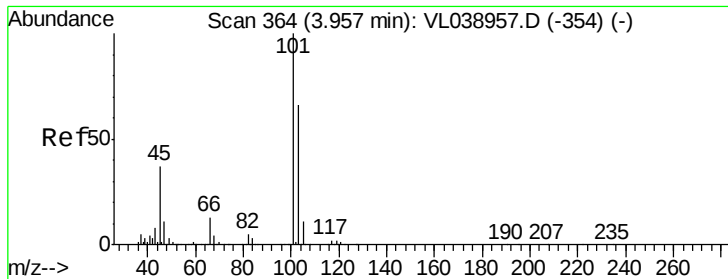
Tot Ion: 39 Resp: 2730852
 Ion Ratio Lower Upper
 39 100
 54 20.4 65.2 97.8#



#17
 tert-Butyl alcohol
 Concen: 1.170 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T.: 0.00 min
 Lab File: VL039098.D
 Acq: 24 May 2022 00:25

Tgt Ion: 59 Resp: 101595
 Ion Ratio Lower Upper
 59 100
 57 19.9 9.2 13.8#





#19

Isopropyl Alcohol

Concen: 5.470 ppbv

RT: 3.95 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VP-2

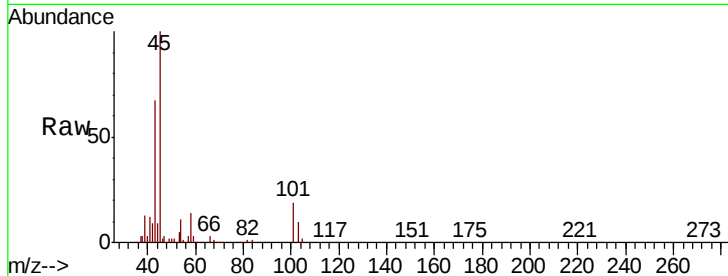
Acq: 24 May 2022 00:25

Tot Ion: 45 Resp: 293759

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

200000

150000

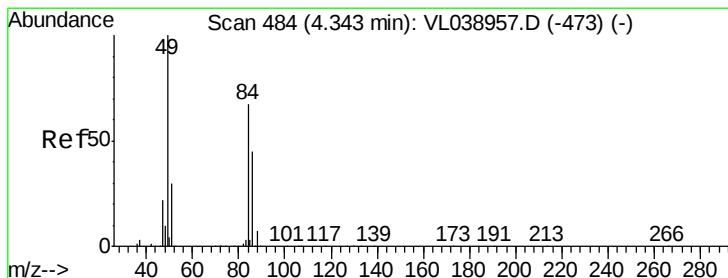
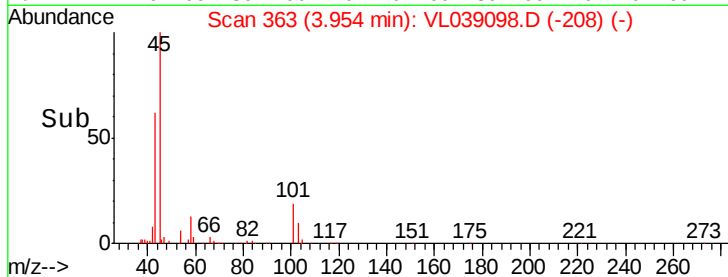
100000

50000

0

3.90 3.95 4.00

Time-->



#20

Methylene Chloride

Concen: 16.840 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL039098.D

Acq: 24 May 2022 00:25

Tgt Ion: 84 Resp: 716836

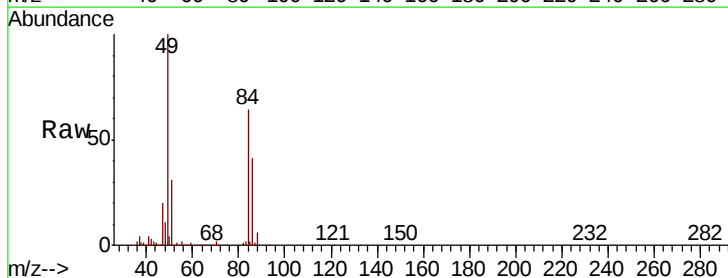
Ion Ratio Lower Upper

84 100

49 157.2 119.9 179.9

51 47.7 35.7 53.5

86 65.0 53.8 80.6



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

800000

600000

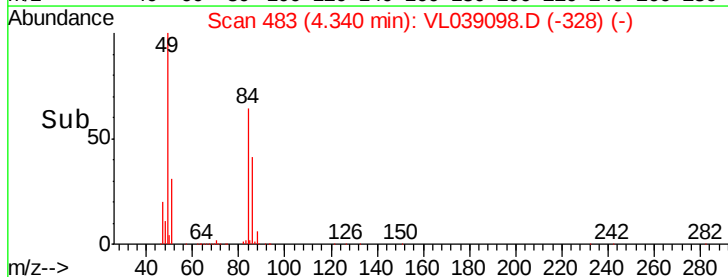
400000

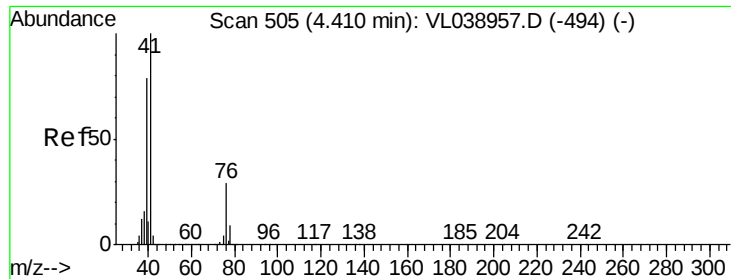
200000

0

4.25 4.30 4.35 4.40 4.45

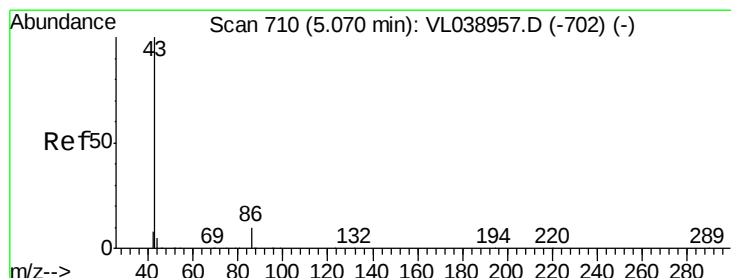
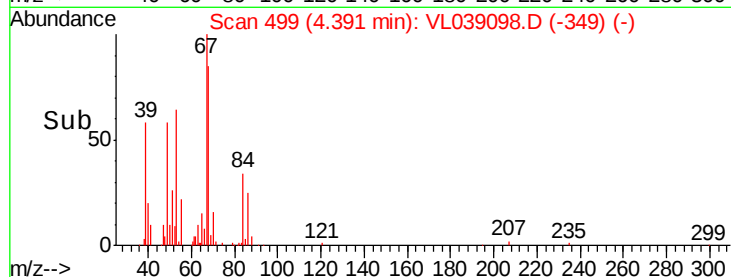
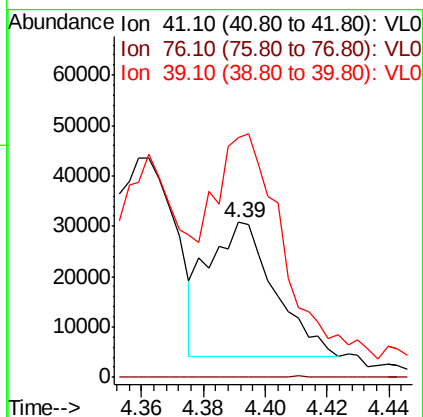
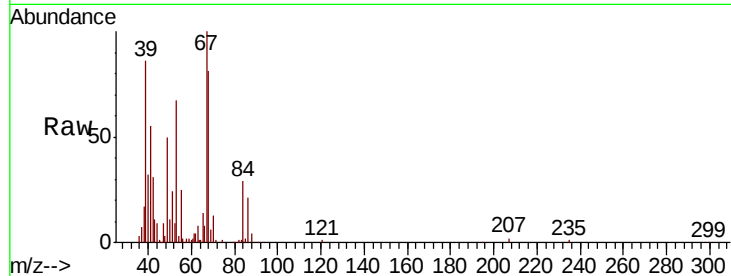
Time-->





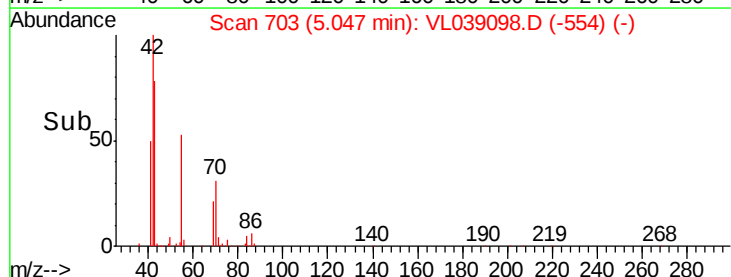
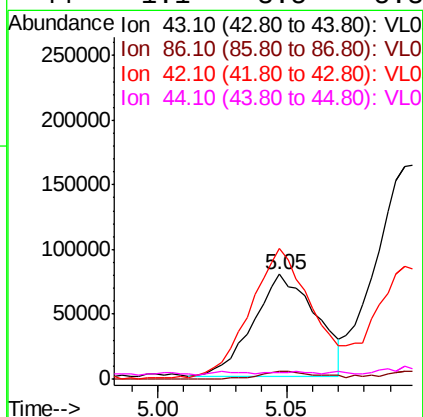
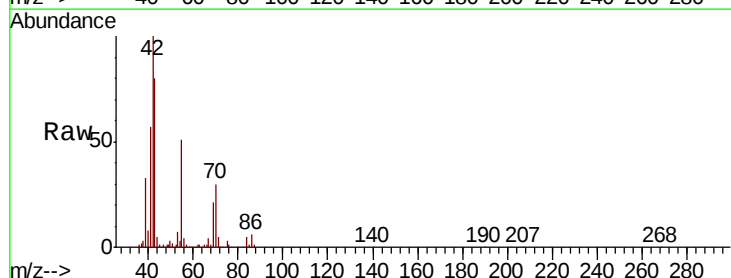
#21
Allvl Chloride
Concen: 0.514 ppbv
RT: 4.39
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 May 2022 00:25

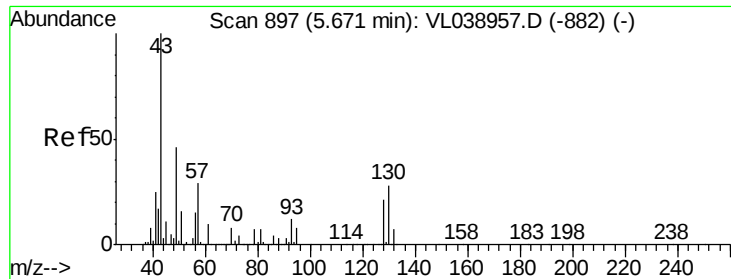
Tot Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.2	36.4#
39	215.5	63.8	95.8#



#23
Vinyl Acetate
Concen: 1.509 ppbv
RT: 5.05 min Scan# 703
Delta R.T. -0.02 min
Lab File: VL039098.D
Acq: 24 May 2022 00:25

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.6	9.8
42	126.2	8.1	12.1#
44	1.1	3.5	5.3#





#25

Ethyl Acetate

Concen: 2.581 ppbv

RT: 5.67 Instrument: MSVOA_1

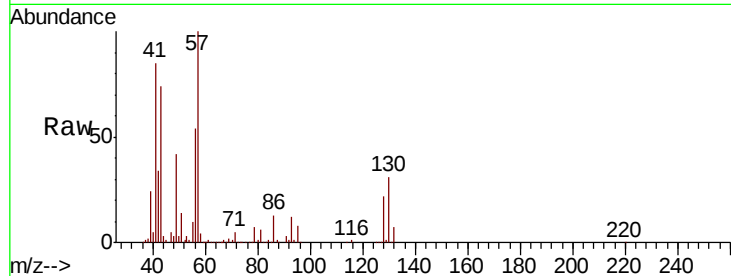
Delta R.T. -0.01 min

Lab File: ClientSampleId: VP-2

Acq: 24 May 2022 00:25

Tot Ion: 43 Resp: 697595

Ion	Ratio	Lower	Upper
43	100		
45	2.9	8.1	12.1#
61	1.4	7.8	11.6#
70	2.6	5.6	8.4#



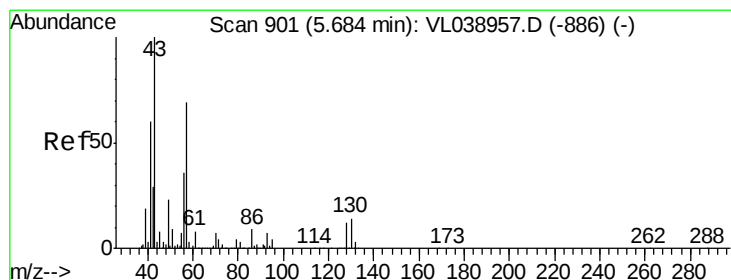
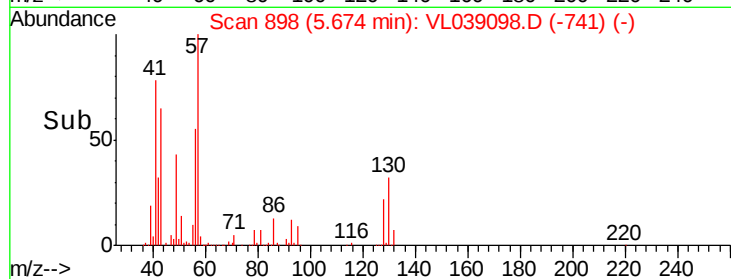
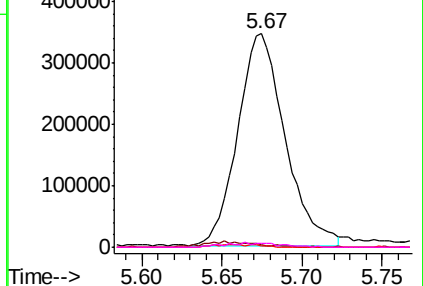
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 7.764 ppbv

RT: 5.67 min Scan# 898

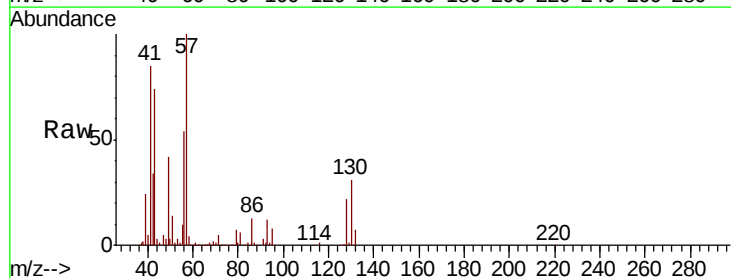
Delta R.T. -0.01 min

Lab File: VL039098.D

Acq: 24 May 2022 00:25

Tgt Ion: 57 Resp: 932600

Ion	Ratio	Lower	Upper
57	100		
41	90.2	75.2	112.8
43	79.4	190.8	286.2#
56	54.4	43.0	64.6



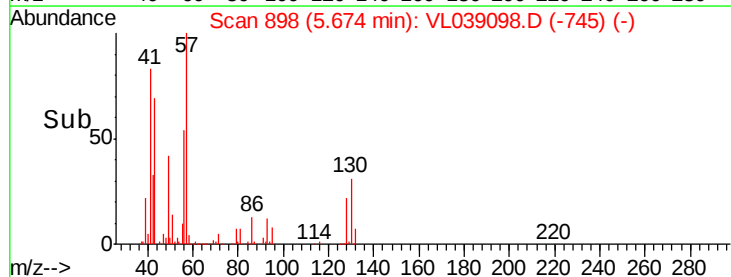
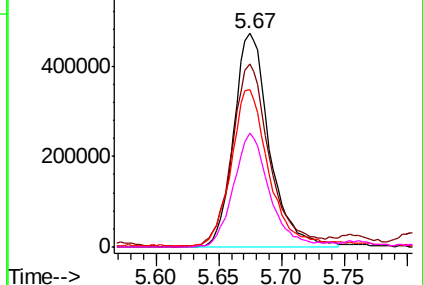
Abundance

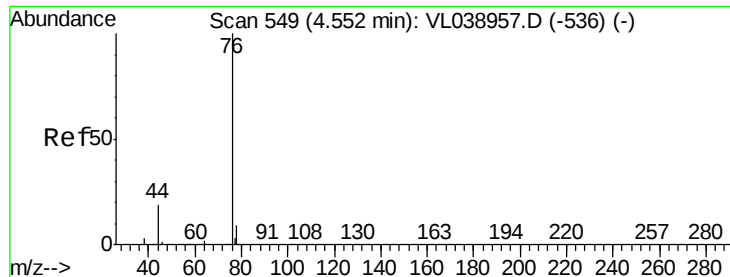
Ion 57.10 (56.80 to 57.80): VL0

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: 0.624 ppbv

RT: 4.54 Instrument:

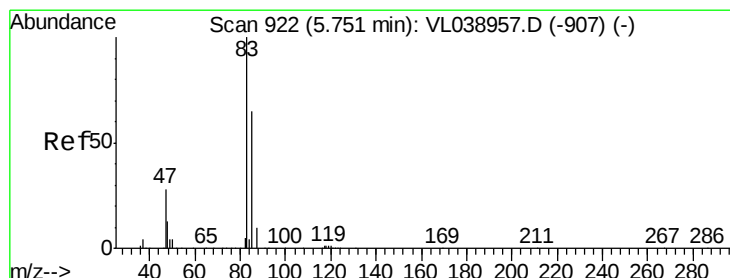
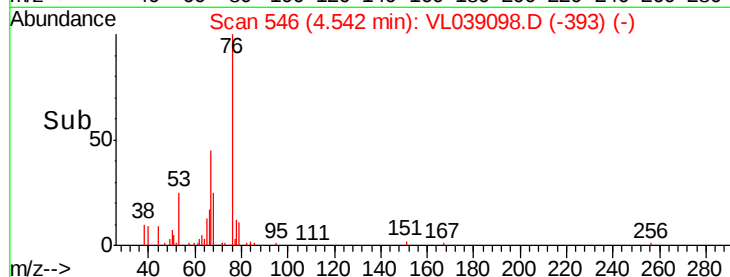
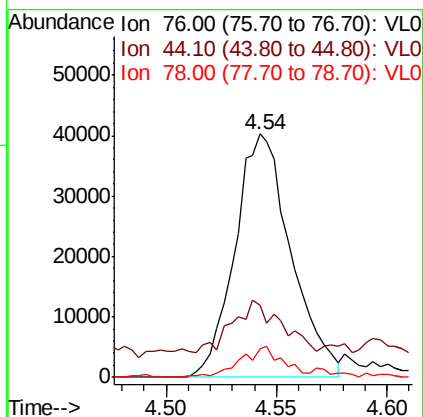
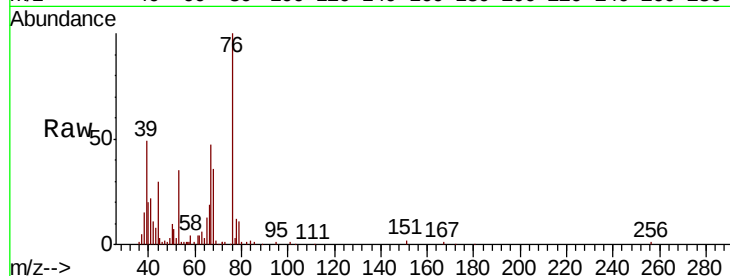
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 May 2022 00:25

Tot Ion: 76 Resp: 71194

Ion	Ratio	Lower	Upper
76	100		
44	27.7	15.3	22.9#
78	11.7	8.2	12.2



#29

Chloroform

Concen: 0.060 ppbv

RT: 5.74 min Scan# 919

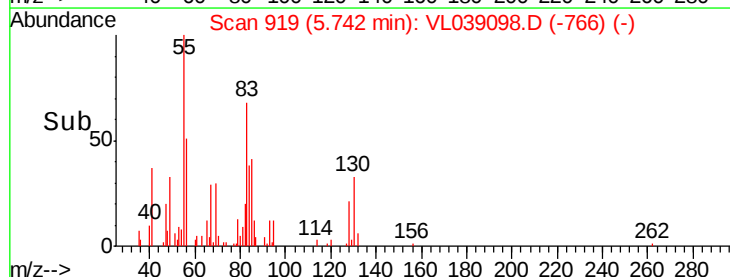
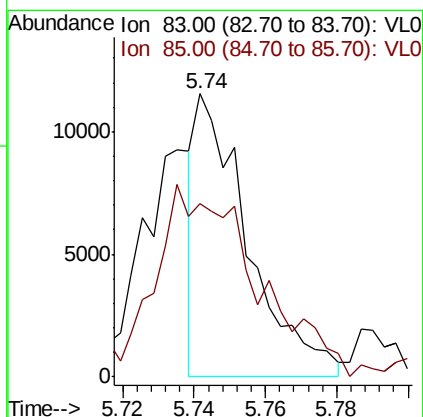
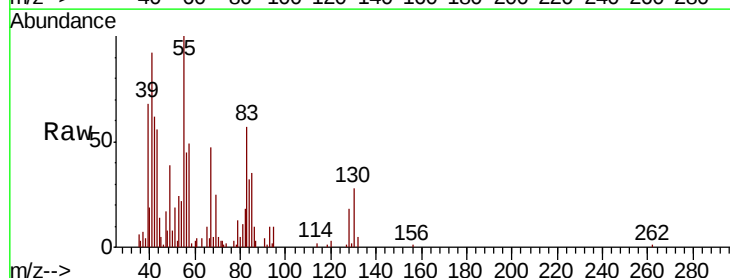
Delta R.T. -0.01 min

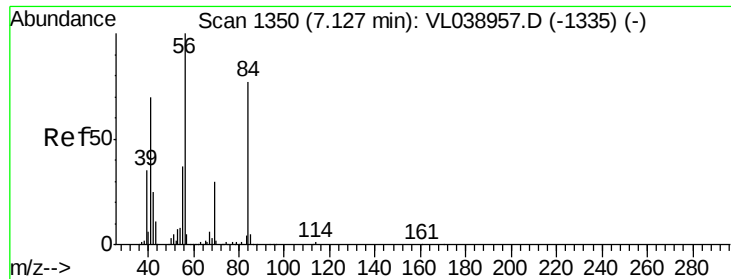
Lab File: VL039098.D

Acq: 24 May 2022 00:25

Tgt Ion: 83 Resp: 11674

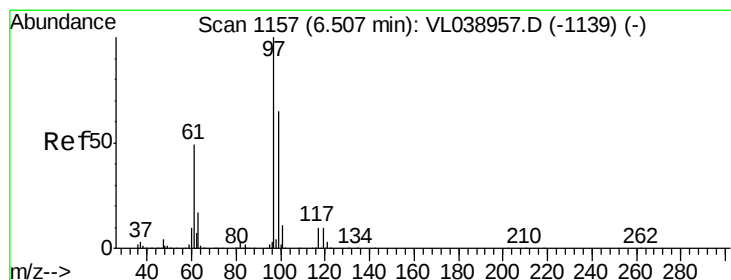
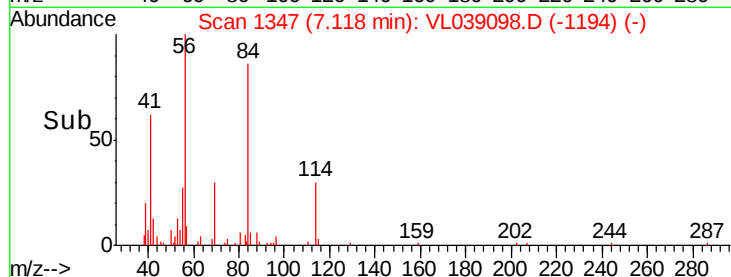
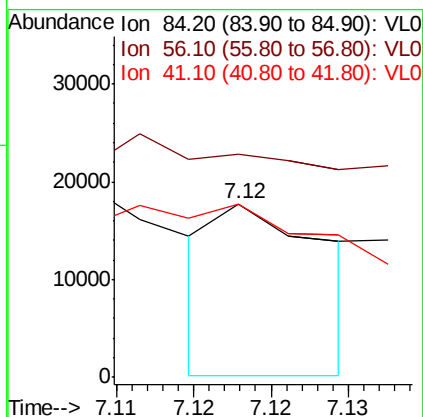
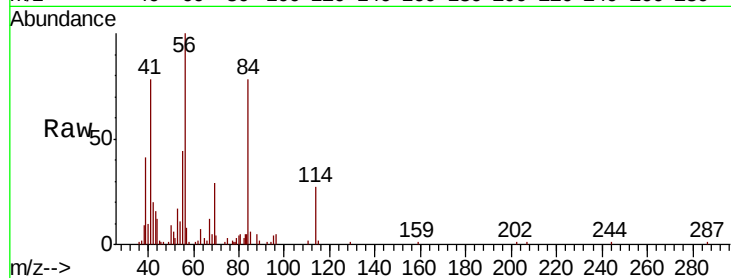
Ion	Ratio	Lower	Upper
83	100		
85	55.5	51.8	77.6





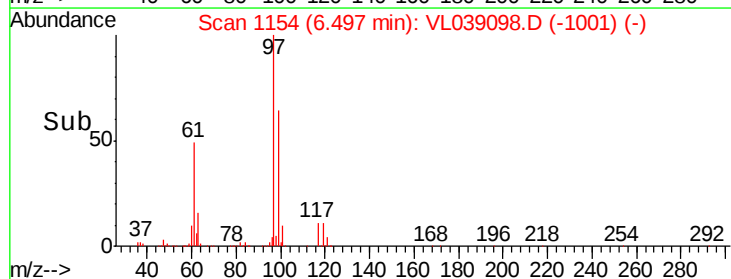
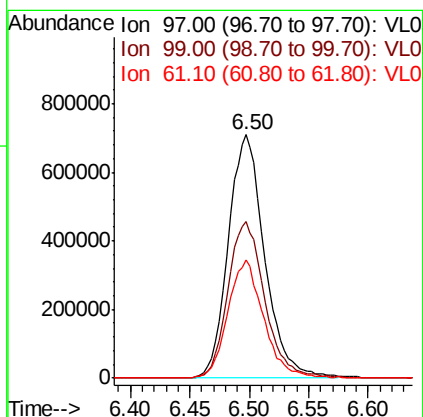
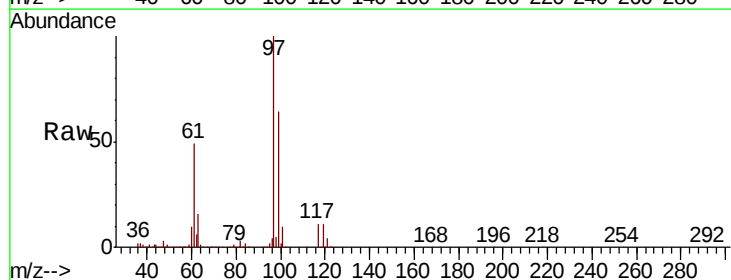
#30
Cvclohexane
Concen: 0.088 ppbv
RT: 7.12
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 May 2022 00:25

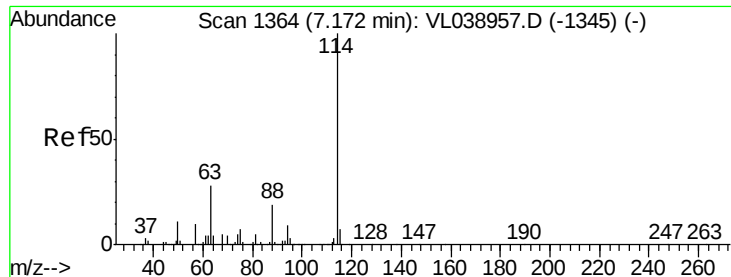
Tot Ion: 84 Resp: 8822
Ion Ratio Lower Upper
84 100
56 0.0 115.3 172.9#
41 395.5 72.0 108.0#



#32
1,1,1-Trichloroethane
Concen: 7.714 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.01 min
Lab File: VL039098.D
Acq: 24 May 2022 00:25

Tgt Ion: 97 Resp: 1498918
Ion Ratio Lower Upper
97 100
99 65.6 51.9 77.9
61 48.2 40.9 61.3

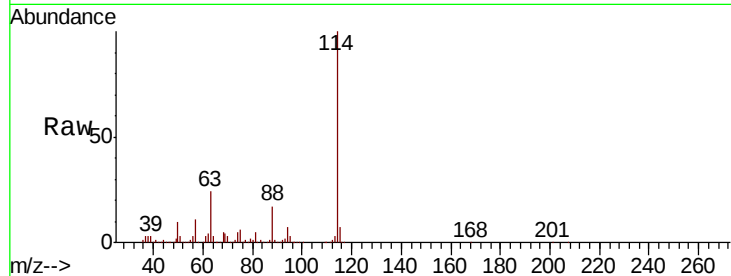




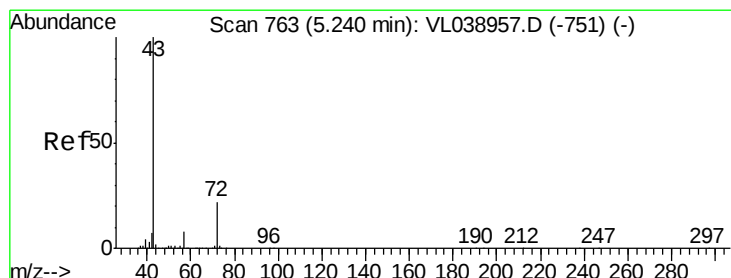
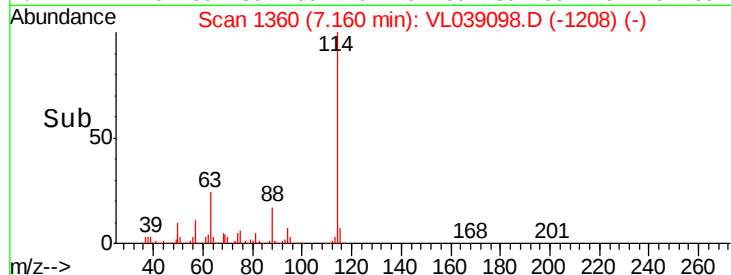
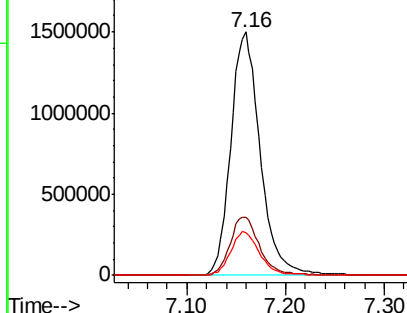
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 May 2022 00:25

Tot Ion:114 Resp: 3114630

Ion	Ratio	Lower	Upper
114	100		
63	24.4	22.6	33.8
88	17.9	15.4	23.0



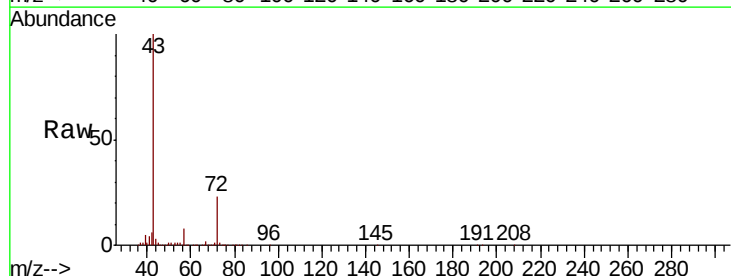
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



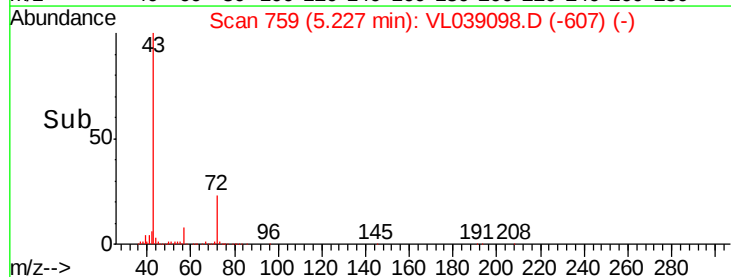
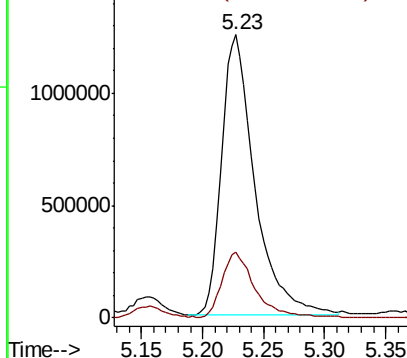
#34
 2-Butanone
 Concen: 15.073 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VL039098.D
 Acq: 24 May 2022 00:25

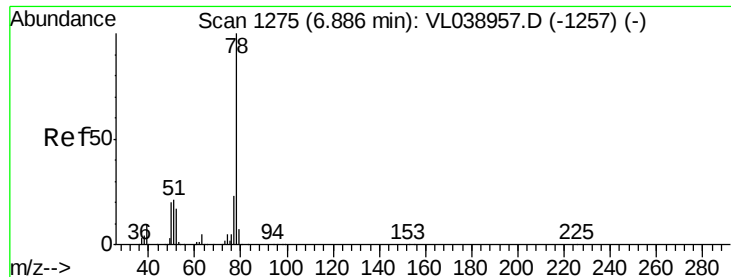
Tgt Ion: 43 Resp: 2395072

Ion	Ratio	Lower	Upper
43	100		
72	23.7	17.8	26.6



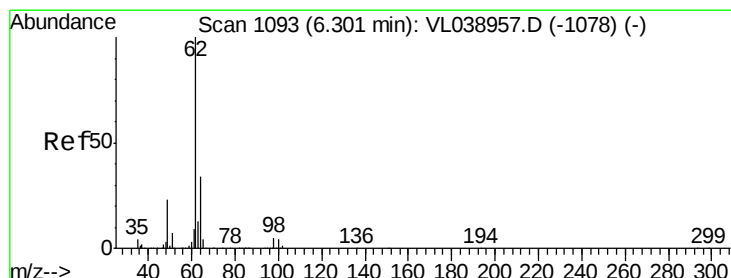
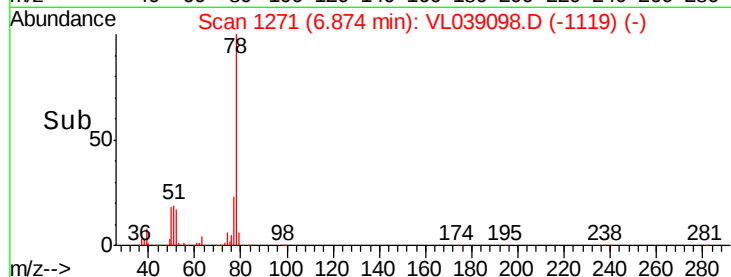
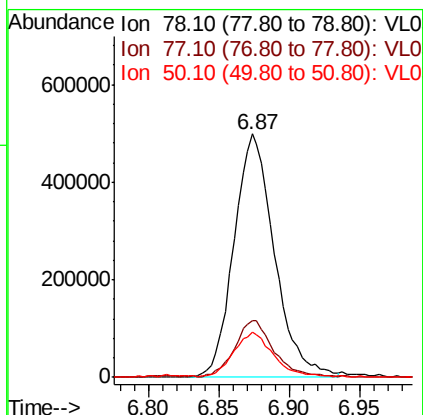
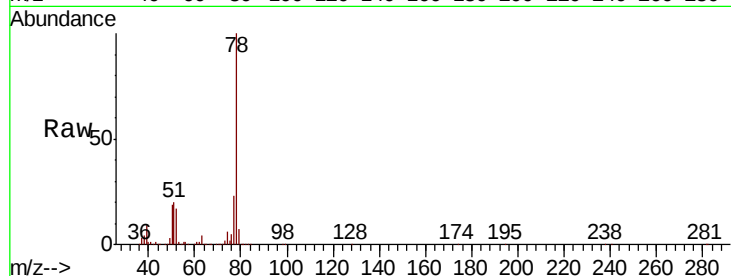
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





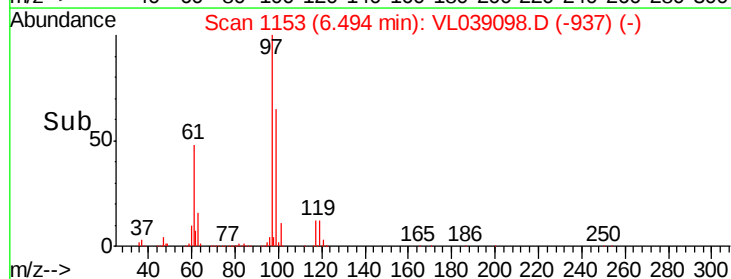
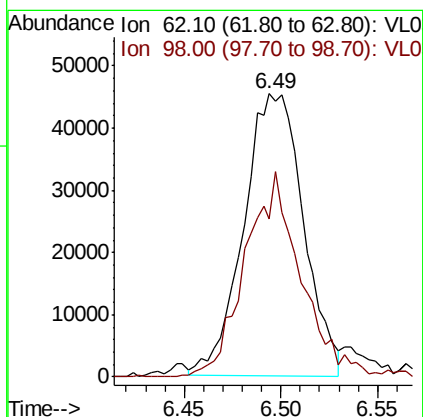
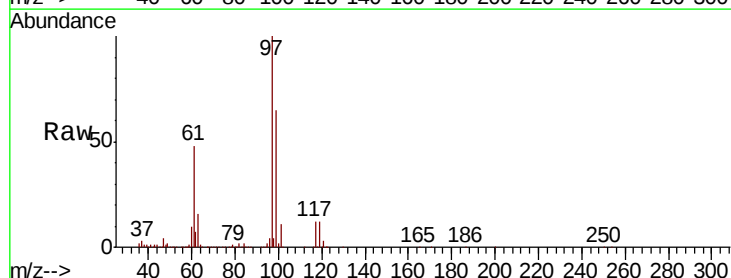
#36
Benzene
Concen: 3.750 ppbv
RT: 6.87
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 May 2022 00:25

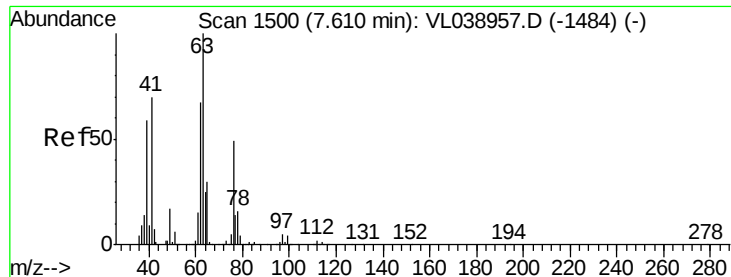
Tot Ion	78	Resp	999486
Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.6	28.0
50	18.0	15.6	23.4



#37
1,2-Dichloroethane
Concen: 0.589 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. 0.19 min
Lab File: VL039098.D
Acq: 24 May 2022 00:25

Tgt Ion	62	Resp	97212
Ion	Ratio	Lower	Upper
62	100		
98	68.5	4.5	6.7#





#39

1,2-Dichloropropane

Concen: 7.136 ppbv

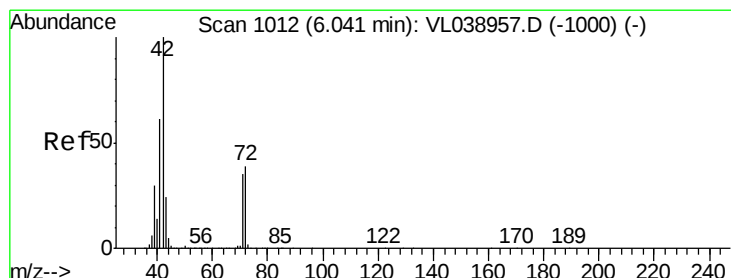
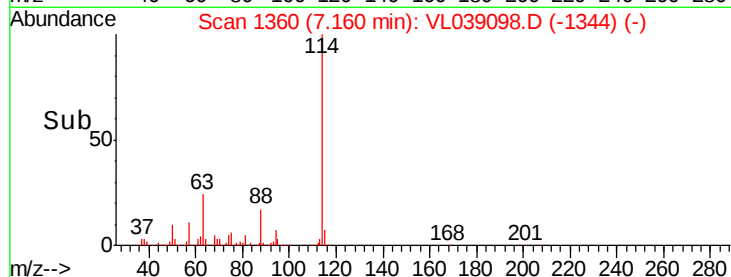
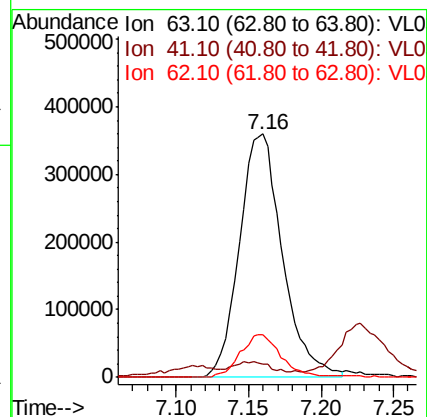
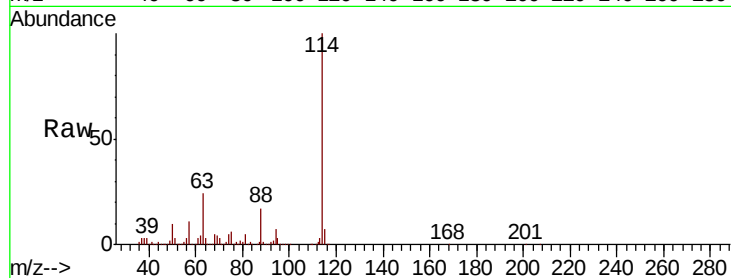
RT: 7.16 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 May 2022 00:25

Tot Ion:	63	Resp:	740057
Ion	Ratio	Lower	Upper
63	100		
41	0.6	55.9	83.9#
62	17.6	53.8	80.6#



#41

Tetrahydrofuran

Concen: 6.101 ppbv

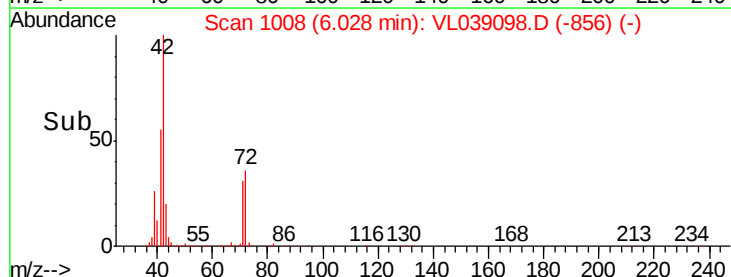
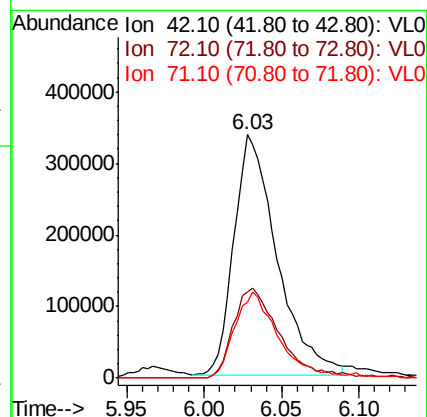
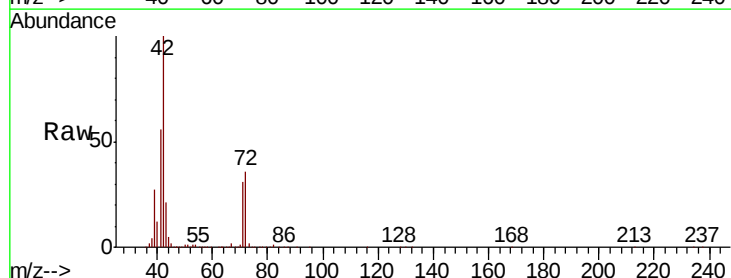
RT: 6.03 min Scan# 1008

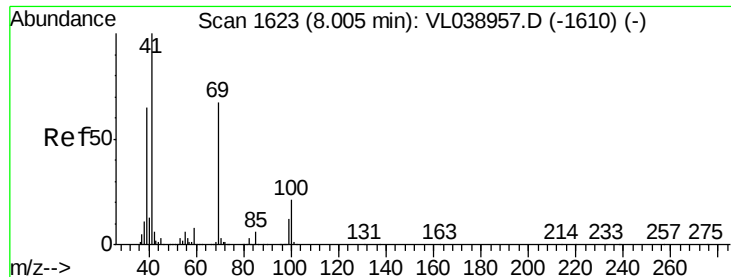
Delta R.T. -0.01 min

Lab File: VL039098.D

Acq: 24 May 2022 00:25

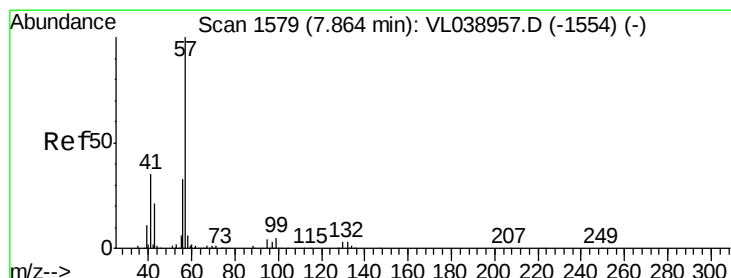
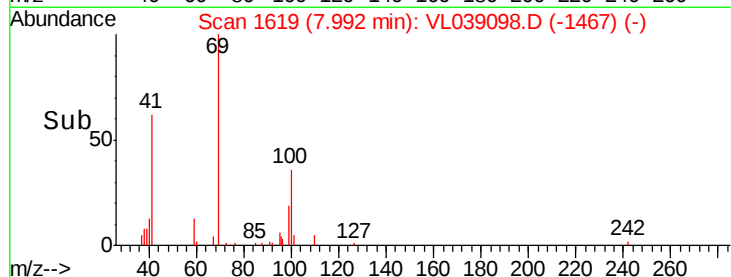
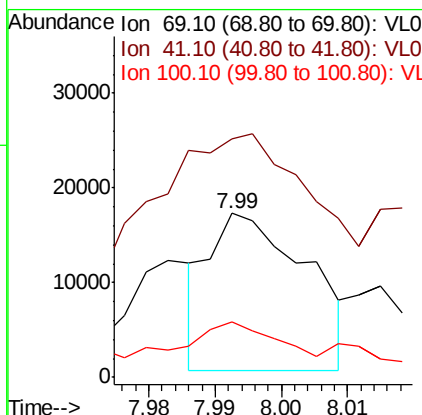
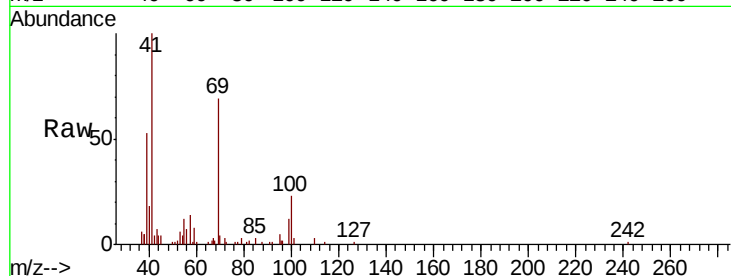
Tgt Ion:	42	Resp:	651511
Ion	Ratio	Lower	Upper
42	100		
72	41.5	31.8	47.6
71	37.5	30.6	45.8





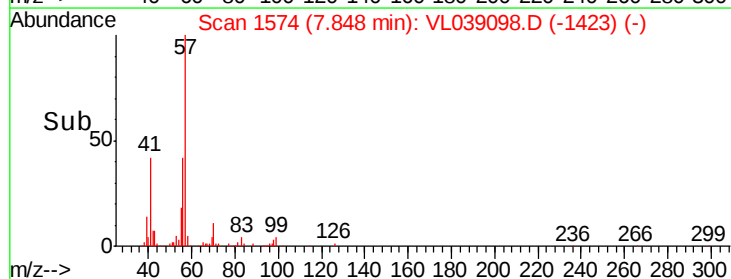
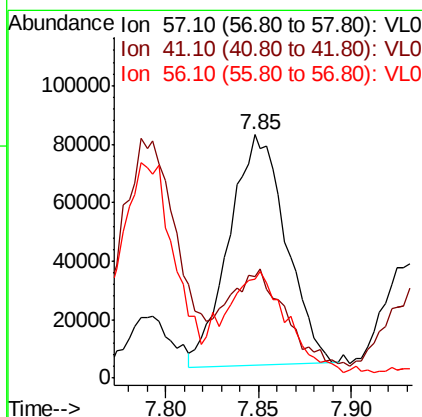
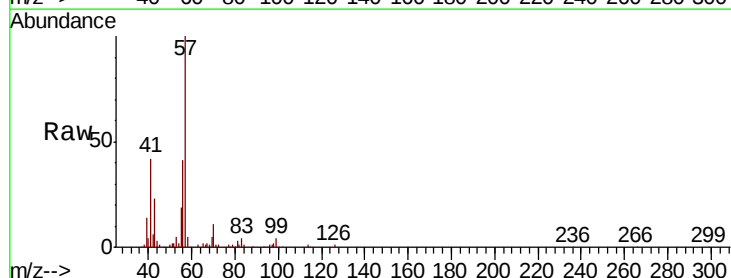
#43
Methyl Methacrylate
Concen: 0.157 ppbv
RT: 7.99
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VP-2
Acq: 24 May 2022 00:25

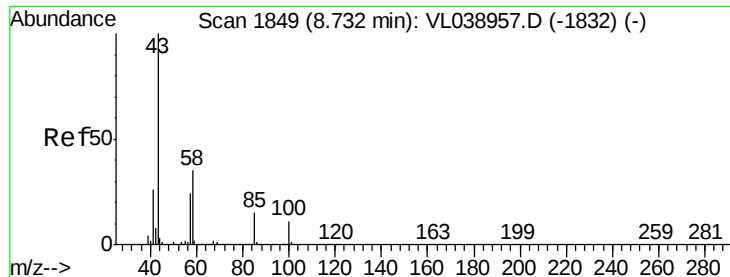
Tot Ion: 69 Resp: 16954
Ion Ratio Lower Upper
69 100
41 290.9 121.9 182.9#
100 70.1 24.6 36.8#



#44
2,2,4-Trimethylpentane
Concen: 0.360 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.02 min
Lab File: VL039098.D
Acq: 24 May 2022 00:25

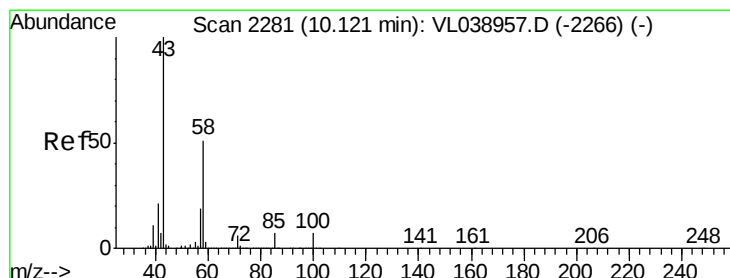
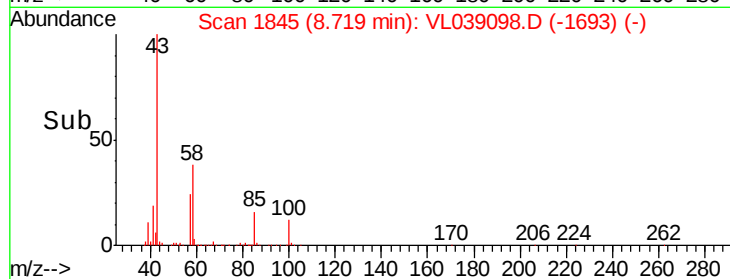
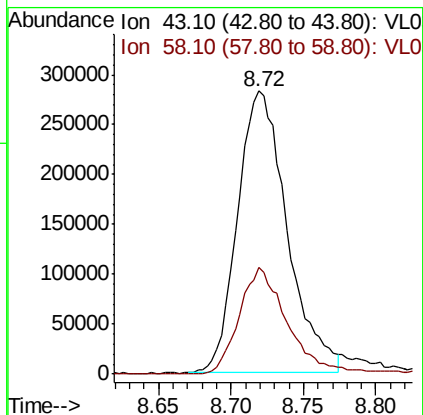
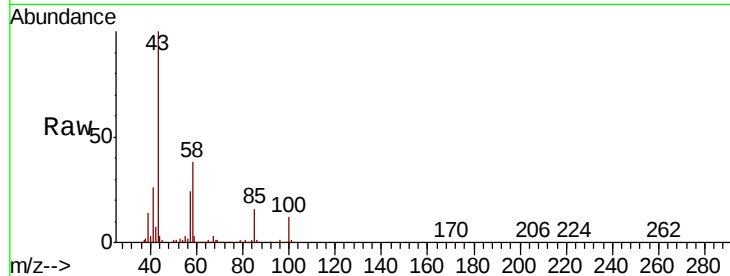
Tgt Ion: 57 Resp: 168212
Ion Ratio Lower Upper
57 100
41 49.5 26.3 39.5#
56 50.0 24.6 37.0#





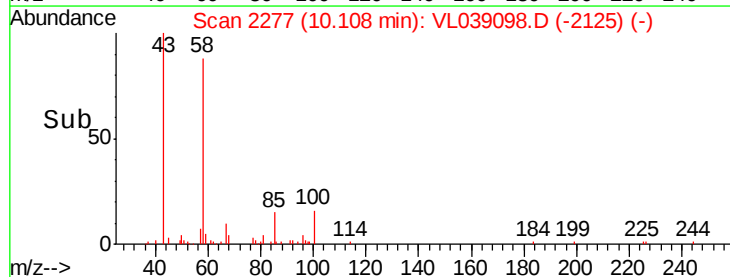
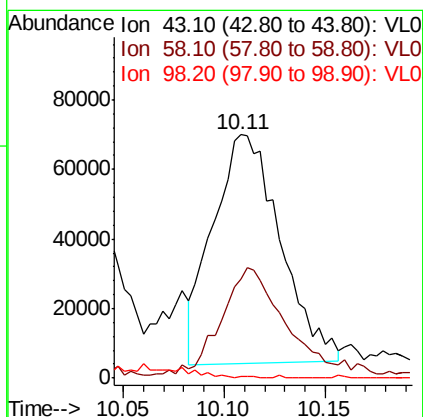
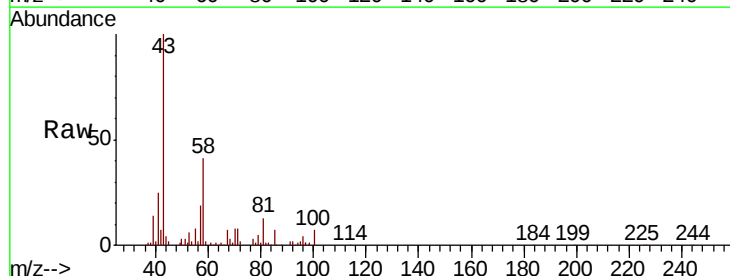
#50
 4-Methyl-2-Pentanone
 Concen: 2.413 ppbv
 RT: 8.72
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 May 2022 00:25

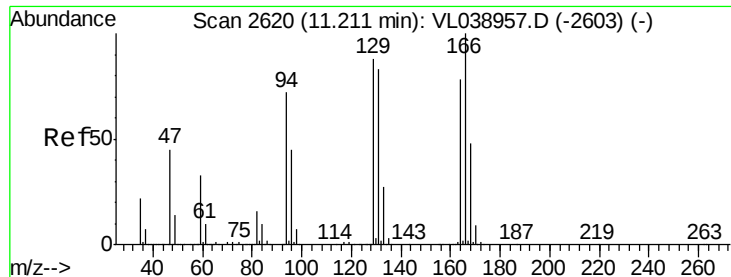
Tot Ion: 43 Resp: 672268
 Ion Ratio Lower Upper
 43 100
 58 38.2 28.4 42.6



#51
 2-Hexanone
 Concen: 0.753 ppbv
 RT: 10.11 min Scan# 2277
 Delta R.T.: -0.01 min
 Lab File: VL039098.D
 Acq: 24 May 2022 00:25

Tgt Ion: 43 Resp: 153045
 Ion Ratio Lower Upper
 43 100
 58 49.4 39.3 58.9
 98 0.0 0.2 0.2#





#52

Tetrachloroethene

Concen: 0.933 ppbv

RT: 11.20

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 May 2022 00:25

Tot Ion:164 Resp: 88883

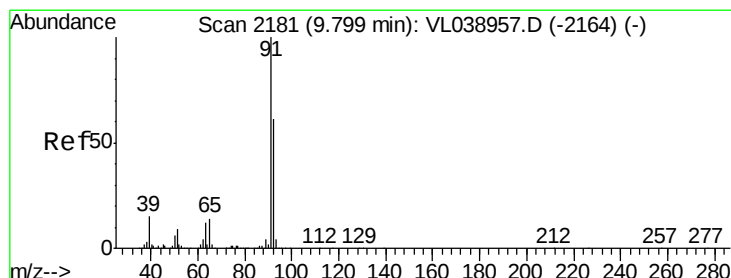
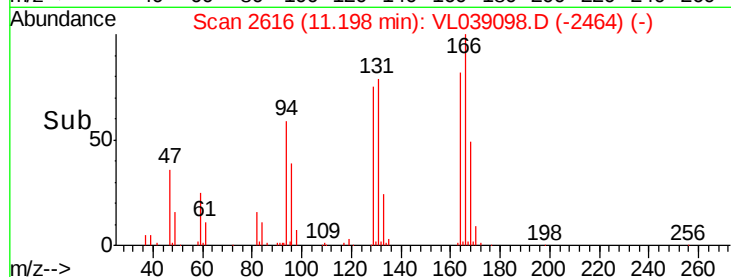
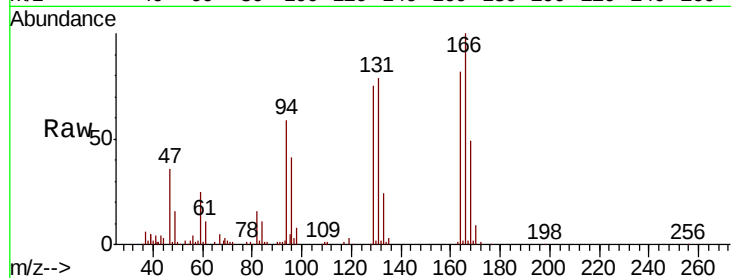
Ion Ratio Lower Upper

164 100

166 121.5 102.5 153.7

129 90.5 90.1 135.1

131 95.6 84.8 127.2



#53

Toluene

Concen: 5.166 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.02 min

Lab File: VL039098.D

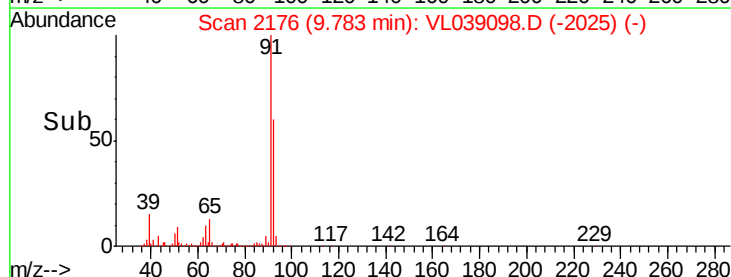
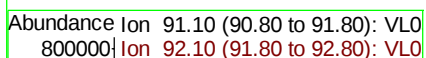
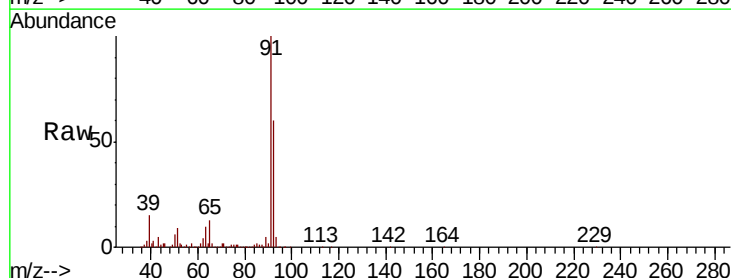
Acq: 24 May 2022 00:25

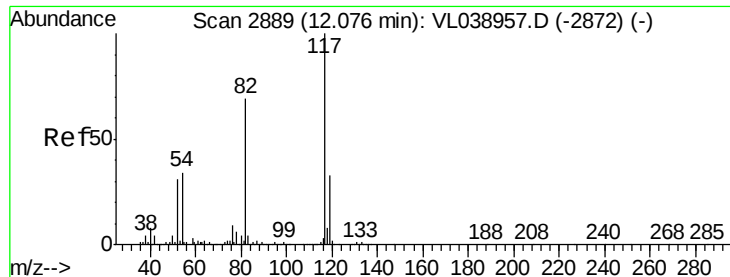
Tgt Ion: 91 Resp: 1543385

Ion Ratio Lower Upper

91 100

92 60.1 48.2 72.2

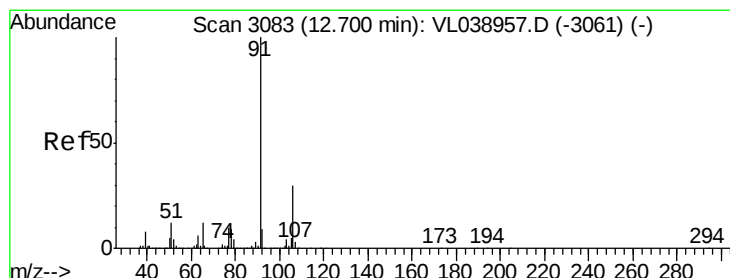
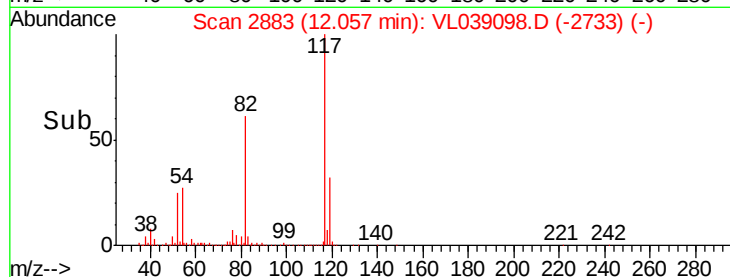
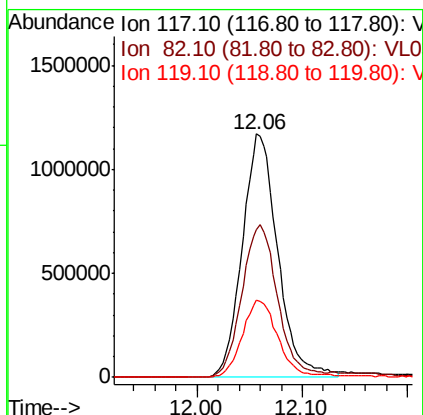
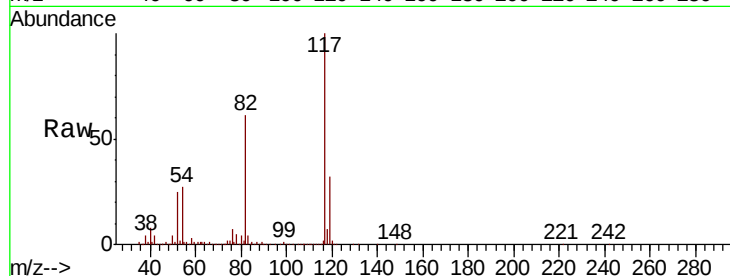




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 May 2022 00:25

Tot Ion:117 Resp: 2742671

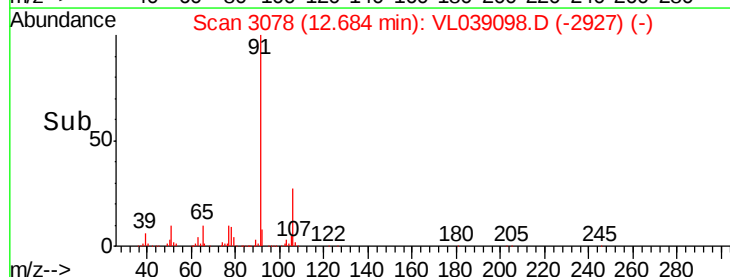
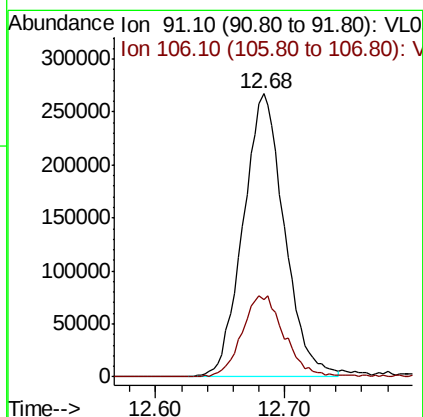
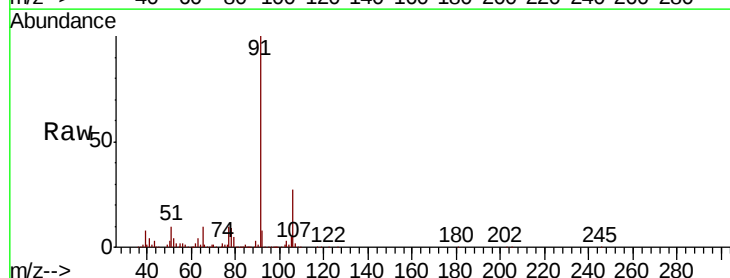
Ion	Ratio	Lower	Upper
117	100		
82	63.8	57.0	85.6
119	32.8	27.2	40.8

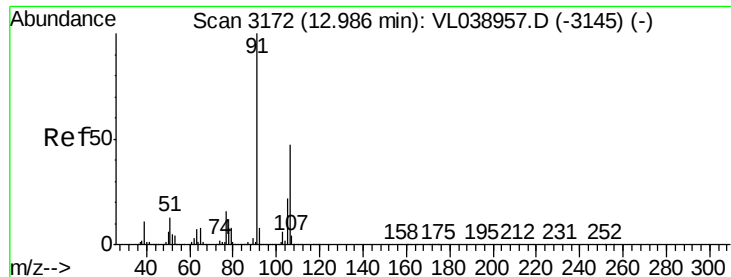


#58
Ethyl Benzene
Concen: 1.506 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.02 min
Lab File: VL039098.D
Acq: 24 May 2022 00:25

Tgt Ion: 91 Resp: 594618

Ion	Ratio	Lower	Upper
91	100		
106	27.2	24.2	36.4





#59

m/p-Xylene

Concen: 6.325 ppbv

RT: 12.94

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

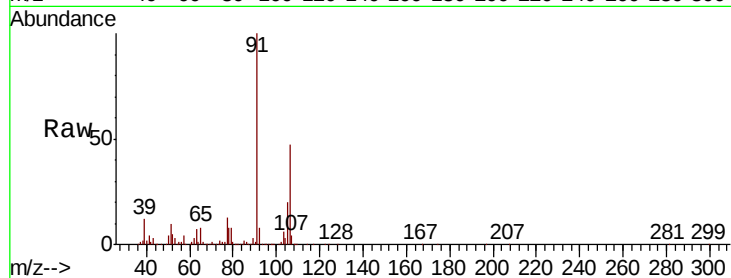
Acq: 24 May 2022 00:25

Tot Ion: 91 Resp: 2131272

Ion Ratio Lower Upper

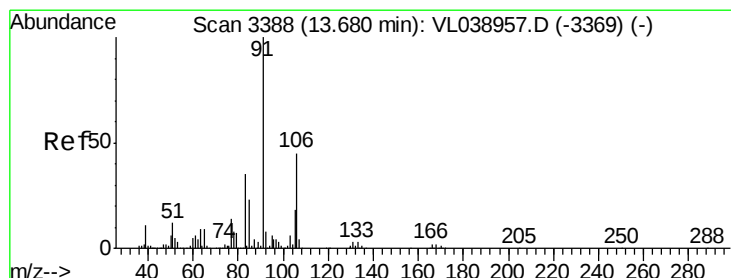
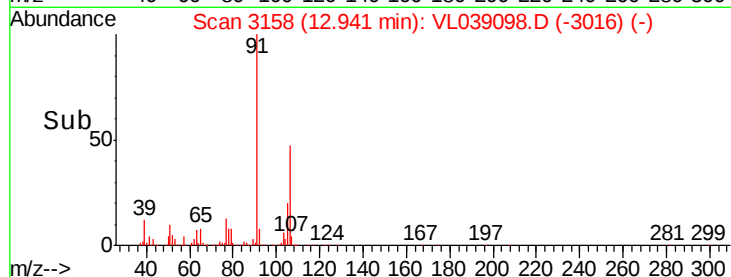
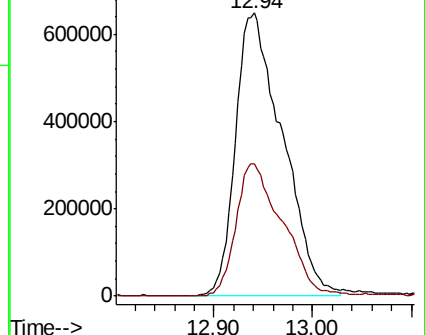
91 100

106 47.1 34.6 52.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 2.798 ppbv

RT: 13.66 min Scan# 3383

Delta R.T. -0.02 min

Lab File: VL039098.D

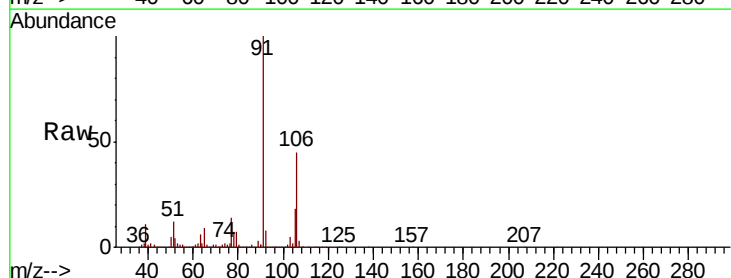
Acq: 24 May 2022 00:25

Tgt Ion: 91 Resp: 887402

Ion Ratio Lower Upper

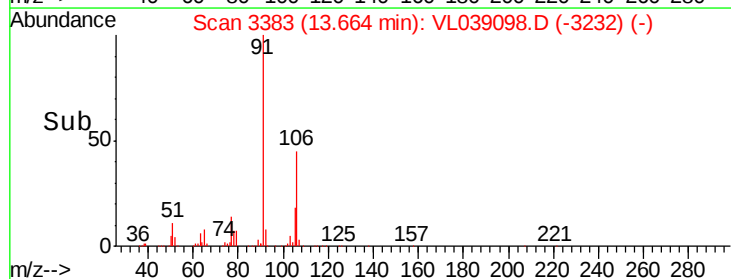
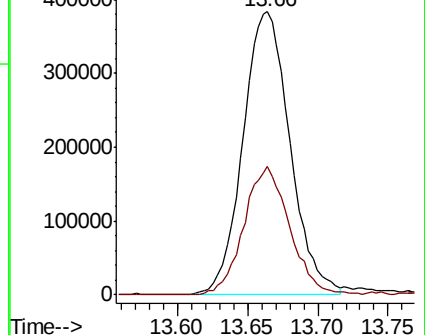
91 100

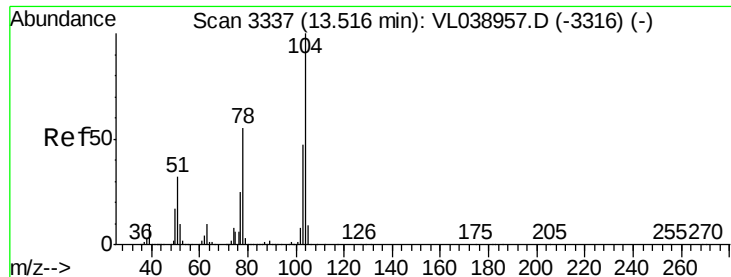
106 44.5 22.2 66.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

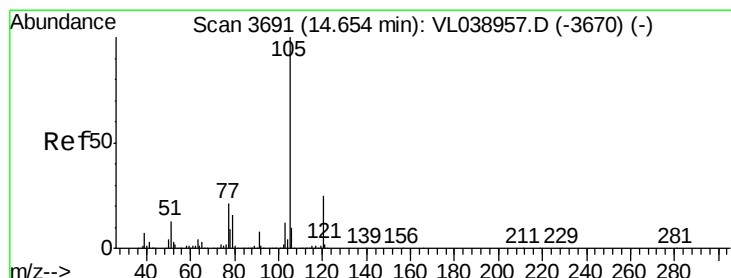
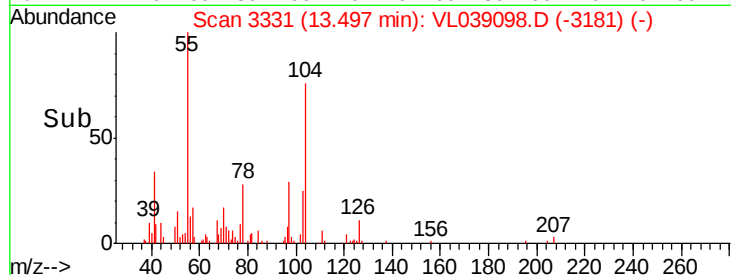
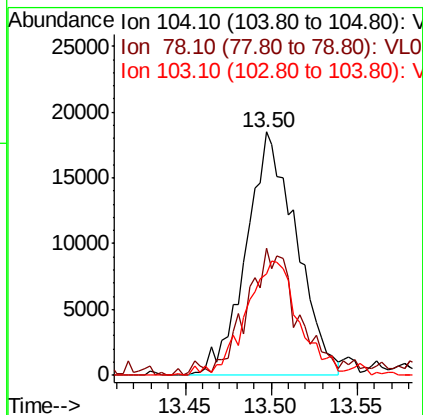
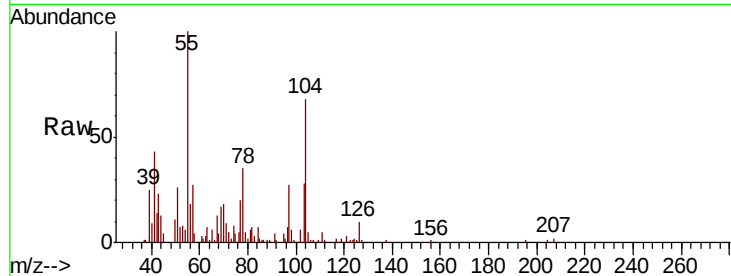
Ion 106.10 (105.80 to 106.80): V





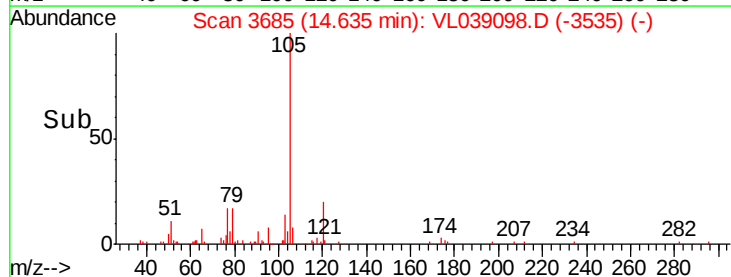
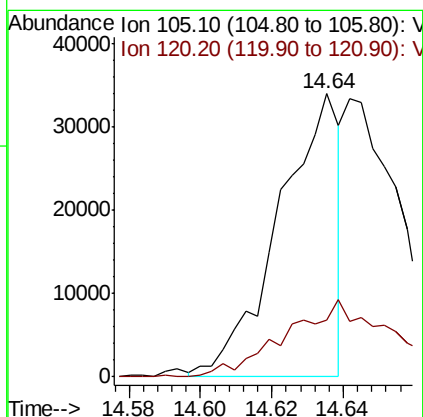
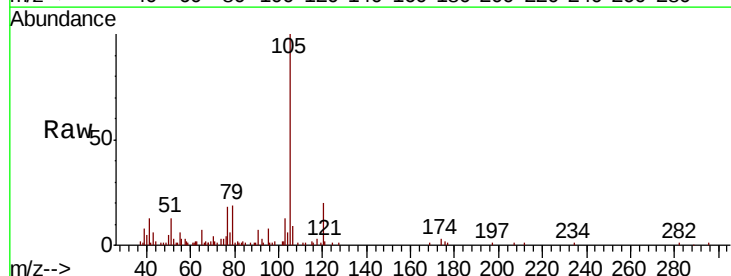
#61
Stvrene
Concen: 0.221 ppbv
RT: 13.50
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 24 May 2022 00:25

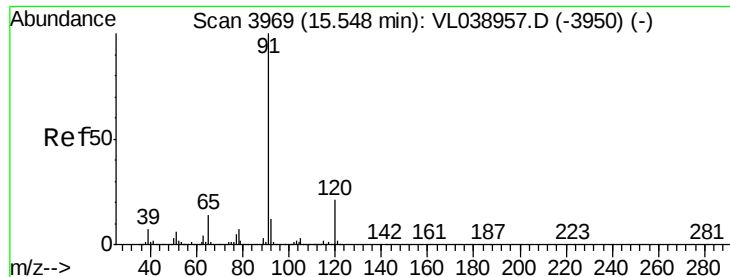
Tot Ion:	104	Resp:	37441
Ion	Ratio	Lower	Upper
104	100		
78	55.9	46.4	69.6
103	51.4	39.3	58.9



#62
Isopropylbenzene
Concen: 0.086 ppbv
RT: 14.64 min Scan# 3685
Delta R.T. -0.02 min
Lab File: VL039098.D
Acq: 24 May 2022 00:25

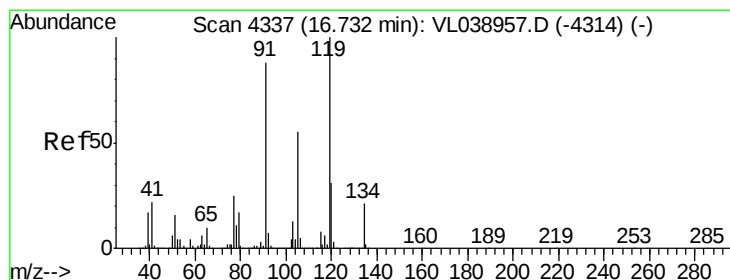
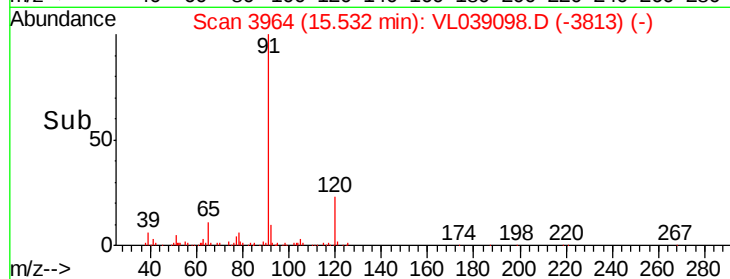
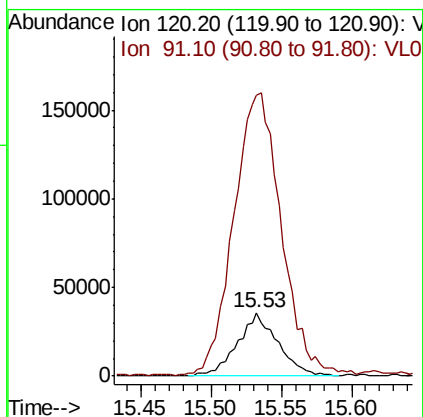
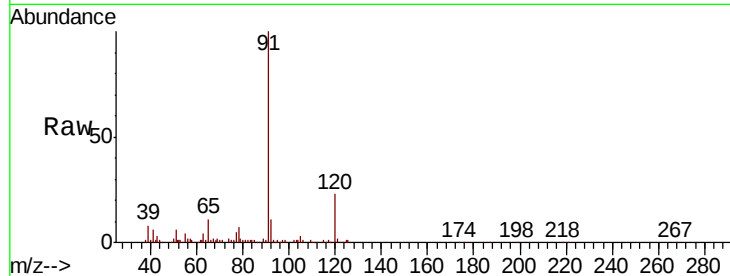
Tgt Ion:	105	Resp:	39737
Ion	Ratio	Lower	Upper
105	100		
120	0.0	20.5	30.7#





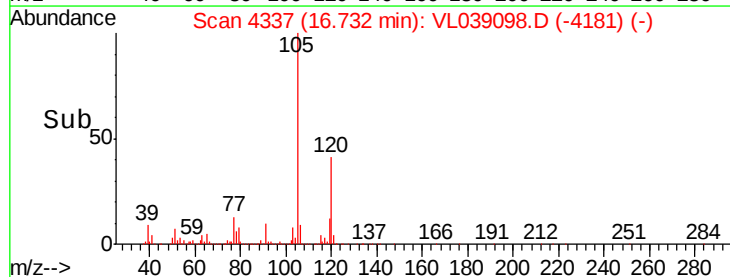
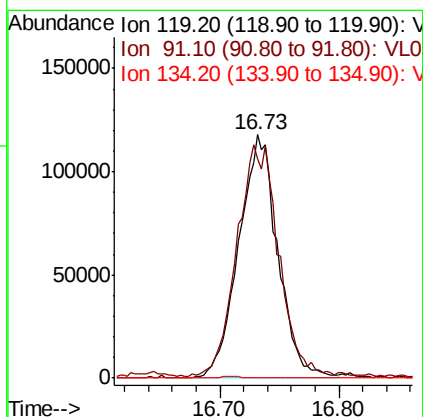
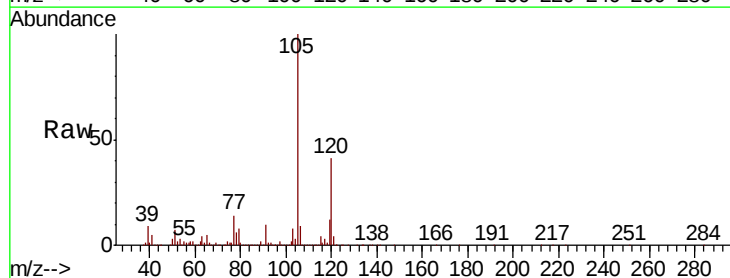
#64
n-propylbenzene
Concen: 0.636 ppbv
RT: 15.53 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 May 2022 00:25

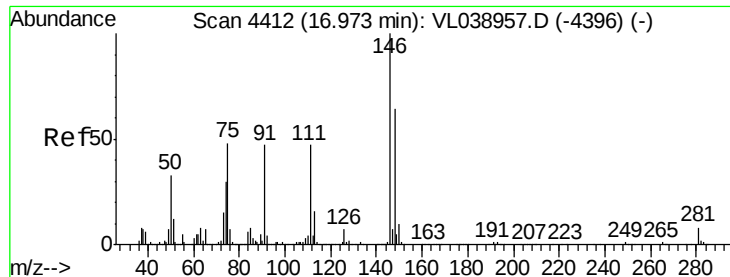
Tot Ion:120 Resp: 71276
Ion Ratio Lower Upper
120 100
91 527.2 400.6 601.0



#65
tert-Butylbenzene
Concen: 0.653 ppbv
RT: 16.73 min Scan# 4337
Delta R.T. 0.00 min
Lab File: VL039098.D
Acq: 24 May 2022 00:25

Tgt Ion:119 Resp: 265346
Ion Ratio Lower Upper
119 100
91 103.7 69.4 104.2
134 0.6 15.8 23.8#





#66

Benzvl Chloride

Concen: 1.918 ppbv

RT: 16.74

Delta R.T. MSVOA_L

Lab File: ClientSampled :

Acq: 24 May 2022 00:25

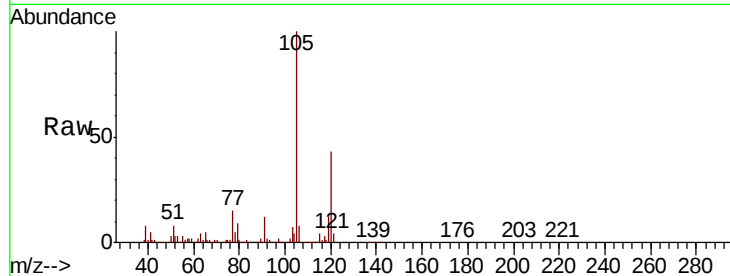
Tot Ion: 91 Resp: 101862

Ion Ratio Lower Upper

91 100

126 0.6 11.8 17.6#

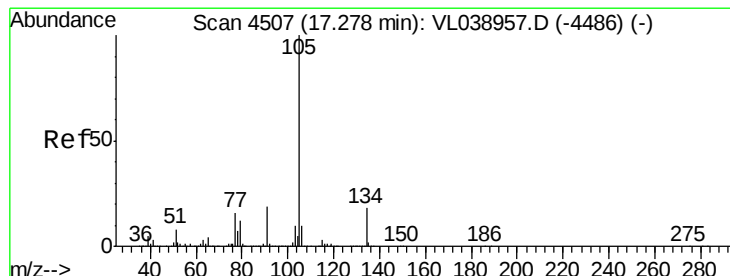
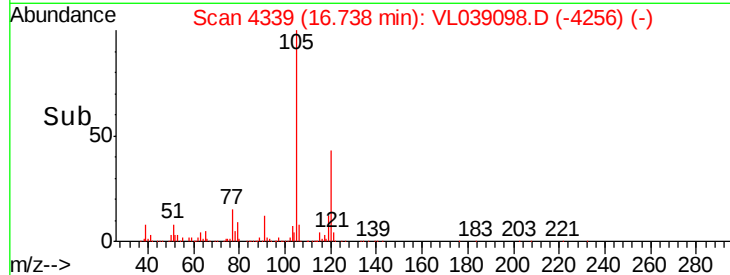
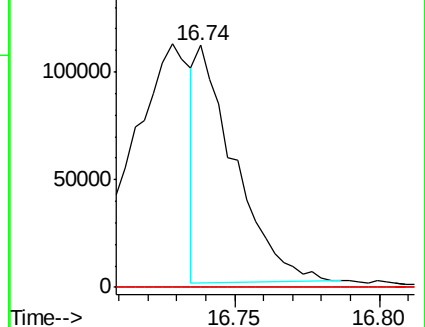
128 0.1 4.2 6.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V



#67

sec-Butylbenzene

Concen: 0.071 ppbv

RT: 17.27 min Scan# 4503

Delta R.T. -0.01 min

Lab File: VL039098.D

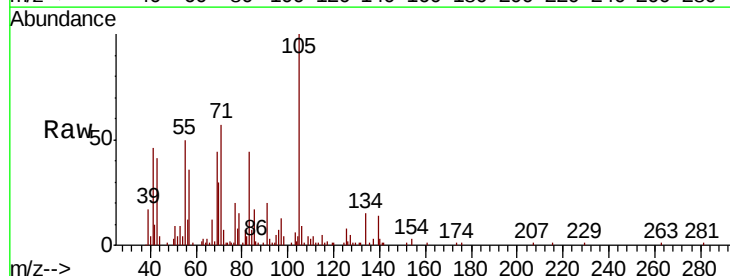
Acq: 24 May 2022 00:25

Tgt Ion:105 Resp: 41257

Ion Ratio Lower Upper

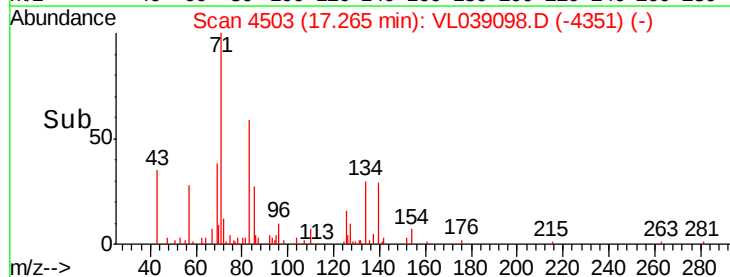
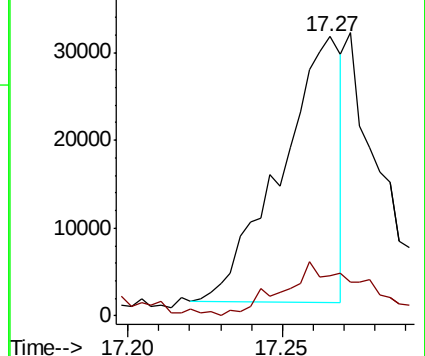
105 100

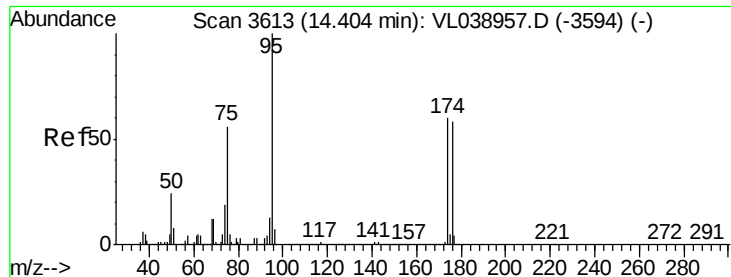
134 28.8 14.2 21.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.911 ppbv

RT: 14.39

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 May 2022 00:25

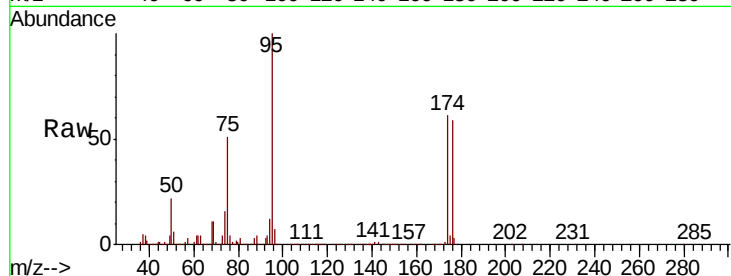
Tot Ion: 95 Resp: 2152728

Ion Ratio Lower Upper

95 100

174 66.7 50.8 76.2

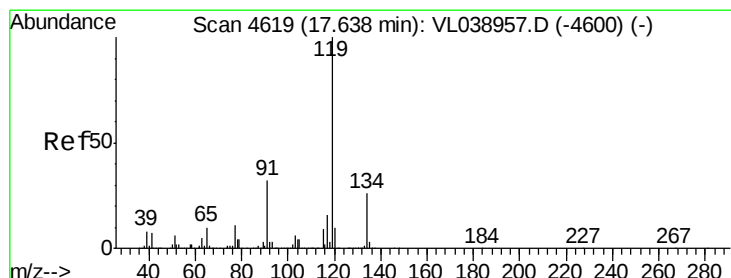
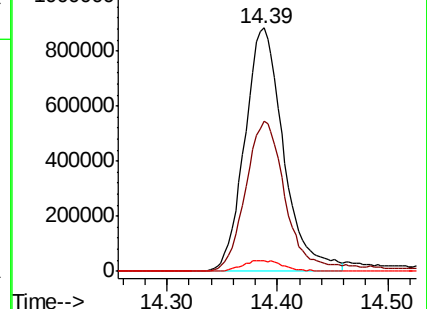
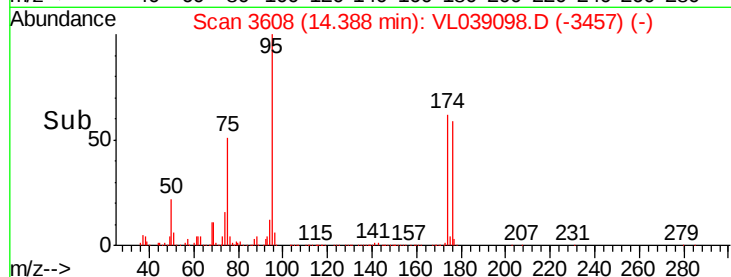
175 4.9 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#69

p-Isopropyltoluene

Concen: 0.046 ppbv

RT: 17.61 min Scan# 4611

Delta R.T. -0.03 min

Lab File: VL039098.D

Acq: 24 May 2022 00:25

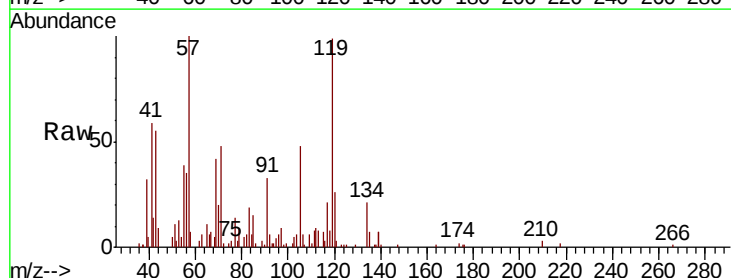
Tgt Ion: 119 Resp: 21805

Ion Ratio Lower Upper

119 100

134 0.0 20.0 30.0#

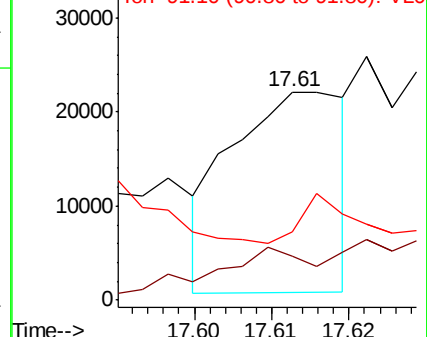
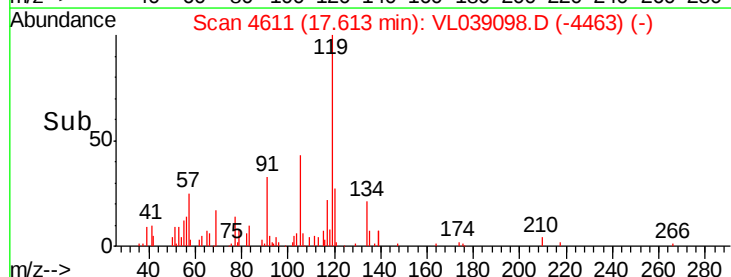
91 0.0 24.8 37.2#

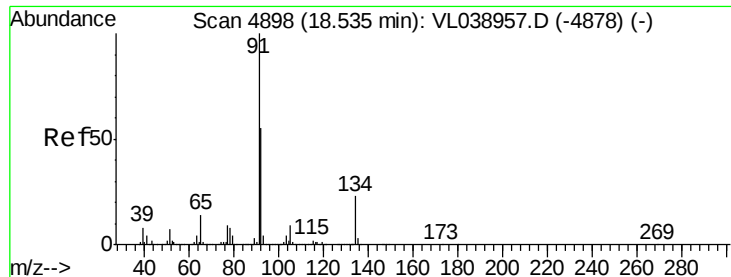


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

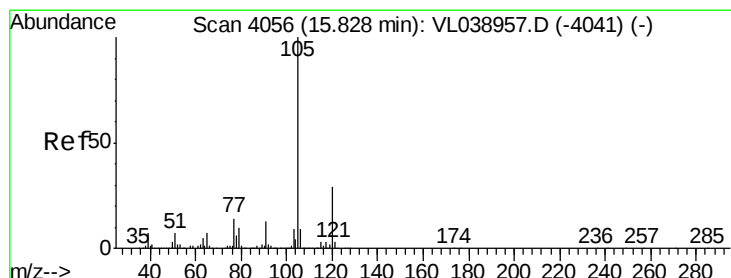
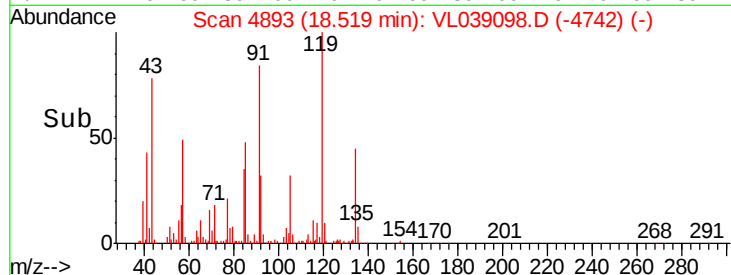
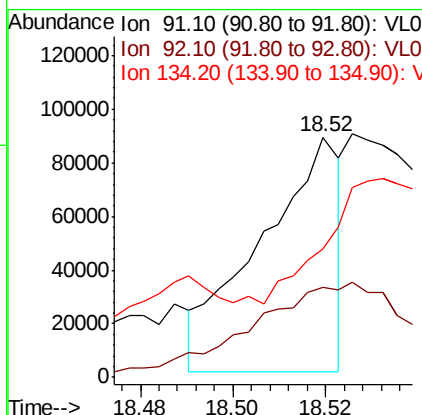
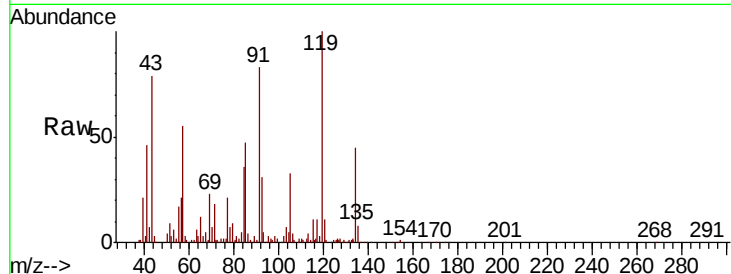
Ion 91.10 (90.80 to 91.80): VL0





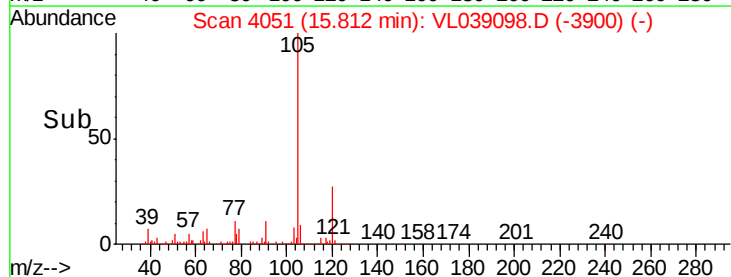
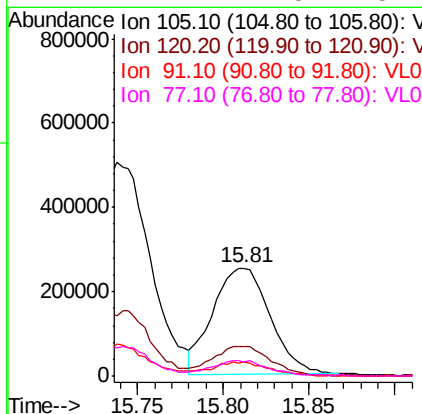
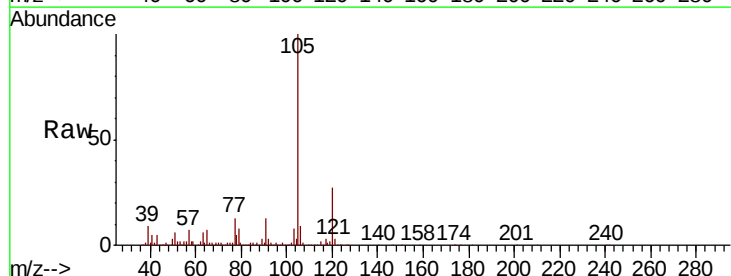
#70
n-Butylbenzene
Concen: 0.211 ppbv
RT: 18.52
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 24 May 2022 00:25

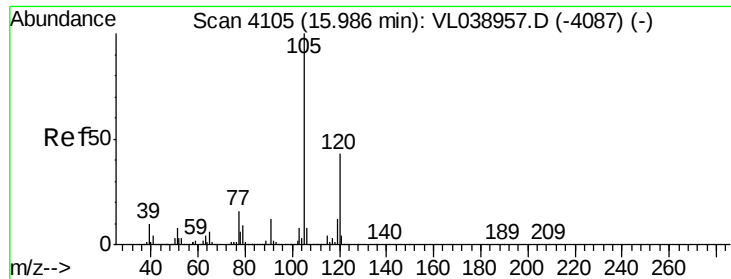
Tot Ion: 91 Resp: 104903
Ion Ratio Lower Upper
91 100
92 0.0 43.1 64.7#
134 0.0 17.0 25.4#



#72
4-Ethyltoluene
Concen: 1.627 ppbv
RT: 15.81 min Scan# 4051
Delta R.T. -0.02 min
Lab File: VL039098.D
Acq: 24 May 2022 00:25

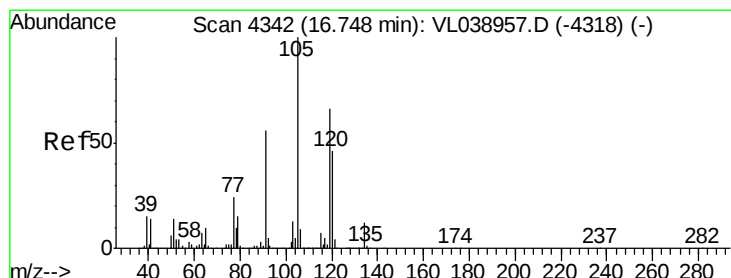
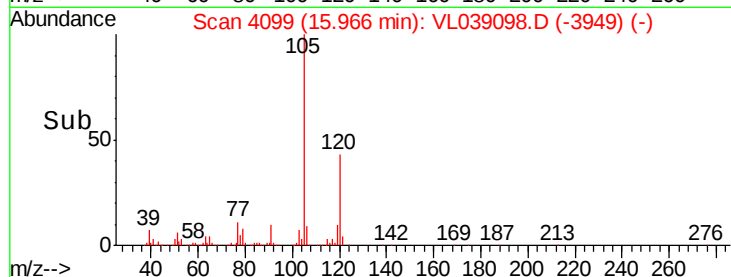
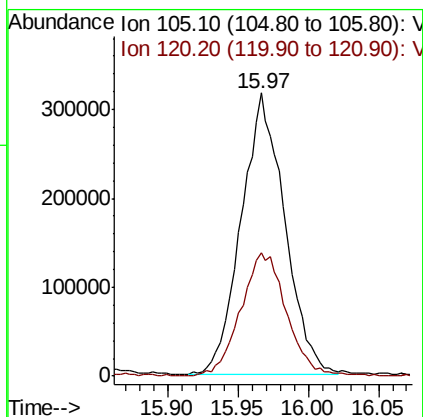
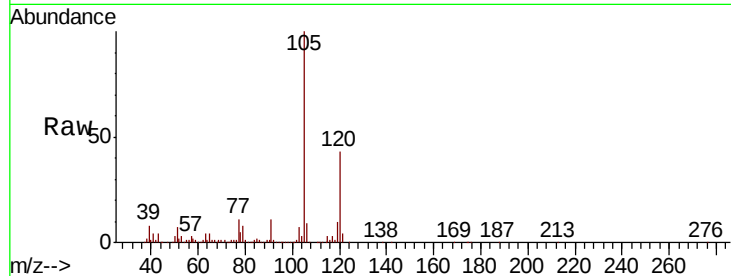
Tgt Ion: 105 Resp: 588062
Ion Ratio Lower Upper
105 100
120 29.4 23.4 35.0
91 13.1 10.6 16.0
77 14.7 12.5 18.7





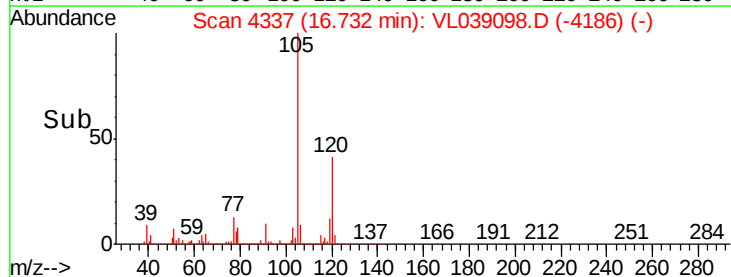
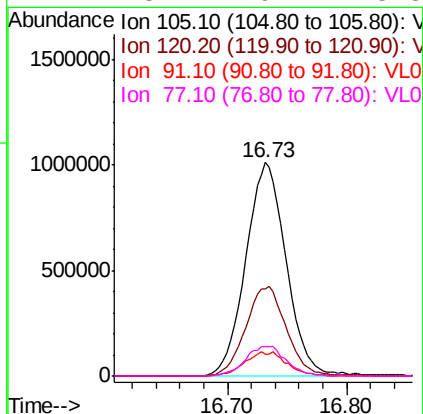
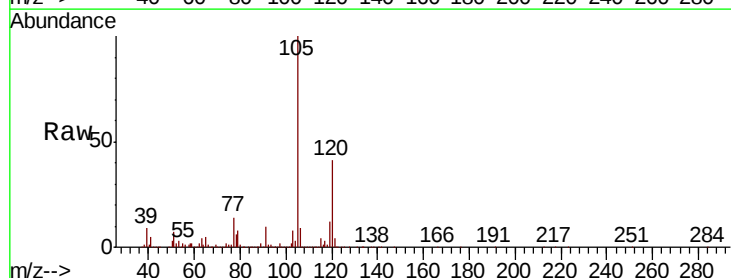
#73
 1,3,5-Trimethylbenzene
 Concen: 2.101 ppbv
 RT: 15.97 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 May 2022 00:25

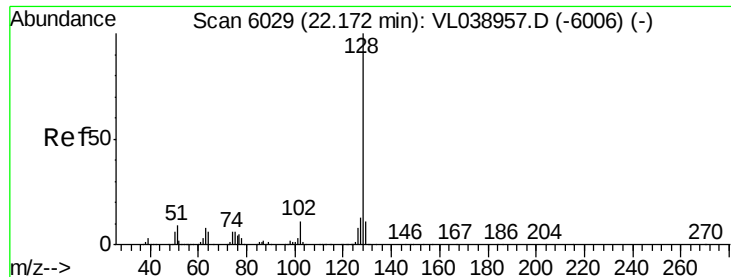
Tot Ion:105 Resp: 683497
 Ion Ratio Lower Upper
 105 100
 120 43.5 34.4 51.6



#74
 1,2,4-Trimethylbenzene
 Concen: 6.622 ppbv
 RT: 16.73 min Scan# 4337
 Delta R.T. -0.02 min
 Lab File: VL039098.D
 Acq: 24 May 2022 00:25

Tgt Ion:105 Resp: 2358989
 Ion Ratio Lower Upper
 105 100
 120 41.0 36.9 55.3
 91 10.4 45.0 67.4#
 77 13.4 19.2 28.8#





#79

Naphthalene

Concen: 0.364 ppbv

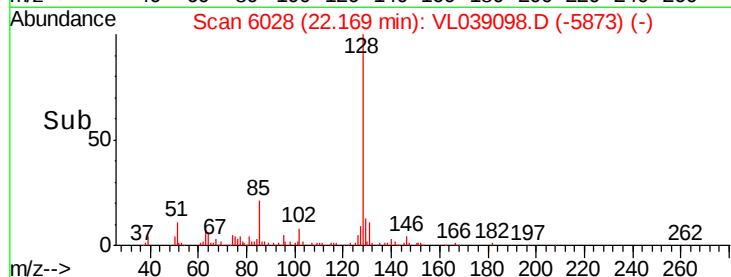
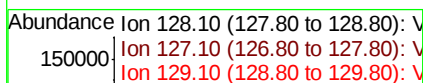
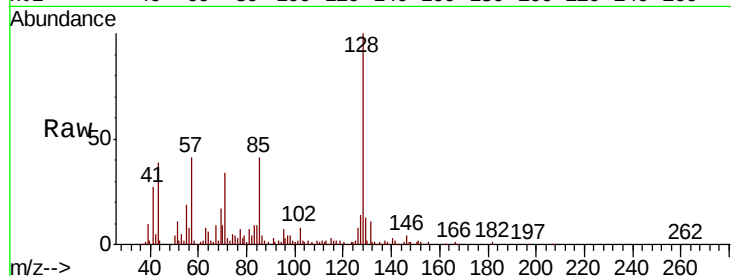
RT: 22.17

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 May 2022 00:25

Tot Ion:128	Resp:	105277
Ion Ratio	Lower	Upper
128	100	
127	13.1	10.2 15.2
129	13.1	8.9 13.3



#80

Naphthalene, 2-methyl-

Concen: 0.553 ppbv

RT: 24.94 min Scan# 6890

Delta R.T. -0.01 min

Lab File: VL039098.D

Acq: 24 May 2022 00:25

Tgt Ion:142	Resp:	48414
Ion Ratio	Lower	Upper
142	100	
141	82.9	70.8 106.2
115	59.2	35.1 52.7#

