

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050922\
 Data File : VL039009.D
 Acq On : 10 May 2022 5:40
 Operator : SY/AP
 Sample : N2696-05
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Quant Time: May 10 08:09:02 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	1015924	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2982211	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	2643568	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	1939903	9.27	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	92731	0.583	ppbv	98
3) Chlorodifluoromethane	2.96	51	137605	1.092	ppbv #	70
4) Chloromethane	3.13	50	34012	0.539	ppbv #	86
9) Propene	3.00	41	264037	4.796	ppbv	90
10) Heptane	8.09	43	274761	2.034	ppbv	95
11) Trichlorofluoromethane	3.93	101	26564	0.194	ppbv #	71
13) Ethanol	3.59	45	629269	161.518	ppbv	88
15) Acetone	3.83	43	557405	5.816	ppbv #	59
16) 1,3-Butadiene	3.29	39	104188	1.892	ppbv #	52
17) tert-Butyl alcohol	4.28	59	30940	0.420	ppbv #	70
19) Isopropyl Alcohol	3.95	45	53347	1.171	ppbv #	95
20) Methylene Chloride	4.33	84	206345	5.713	ppbv	93
21) Allyl Chloride	4.36	41	26936	0.412	ppbv #	1
23) Vinyl Acetate	5.04	43	182726	2.410	ppbv #	1
25) Ethyl Acetate	5.67	43	598767	2.610	ppbv #	78
26) Hexane	5.66	57	819555	8.042	ppbv #	39
30) Cyclohexane	7.10	84	137004	1.606	ppbv	84
32) 1,1,1-Trichloroethane	6.48	97	14696	0.089	ppbv #	22
34) 2-Butanone	5.22	43	112033	0.736	ppbv #	90
36) Benzene	6.86	78	763908	2.993	ppbv	97
39) 1,2-Dichloropropane	7.15	63	678608	6.834	ppbv #	27
41) Tetrahydrofuran	5.95	42	9015	0.088	ppbv #	38
42) Bromodichloromethane	7.76	83	10783	0.050	ppbv #	24
44) 2,2,4-Trimethylpentane	7.84	57	1138067	2.541	ppbv #	94
50) 4-Methyl-2-Pentanone	8.73	43	63024	0.236	ppbv	90
51) 2-Hexanone	10.07	43	21140	0.109	ppbv #	28
52) Tetrachloroethene	11.19	164	148096	1.624	ppbv	96
53) Toluene	9.77	91	2140085	7.482	ppbv	97
58) Ethyl Benzene	12.67	91	479736	1.261	ppbv	97
59) m/p-Xylene	12.93	91	1413595	4.352	ppbv	92
60) o-Xylene	13.65	91	568763	1.861	ppbv	97
61) Styrene	13.49	104	19363	0.119	ppbv #	30
62) Isopropylbenzene	14.62	105	17519	0.039	ppbv #	24
64) n-propylbenzene	15.52	120	15464	0.143	ppbv #	1
65) tert-Butylbenzene	16.73	119	56578	0.144	ppbv #	35
69) p-Isopropyltoluene	17.61	119	14685	0.032	ppbv #	26
70) n-Butylbenzene	18.51	91	21929	0.046	ppbv #	33
71) 2-Chlorotoluene	15.79	91	10418	0.030	ppbv	84
72) 4-Ethyltoluene	15.80	105	215227	0.618	ppbv	94
73) 1,3,5-Trimethylbenzene	15.96	105	178634	0.570	ppbv	98
74) 1,2,4-Trimethylbenzene	16.72	105	720164	2.097	ppbv #	65

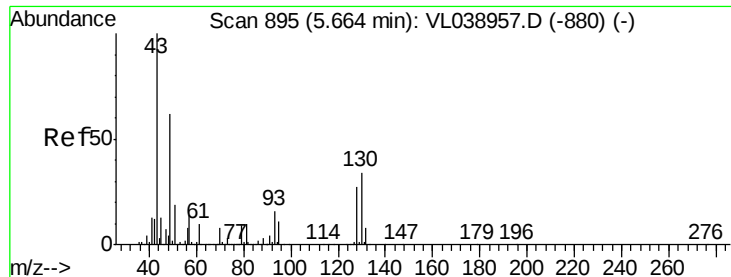
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050922\
Data File : VL039009.D
Acq On : 10 May 2022 5:40
Operator : SY/AP
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Quant Time: May 10 08:09:02 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD 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)
79) Naphthalene	22.15	128	143029	0.513	ppbv	98
80) Naphthalene,2-methyl-	24.94	142	17260	0.205	ppbv #	89

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 10 May 2022 5:40

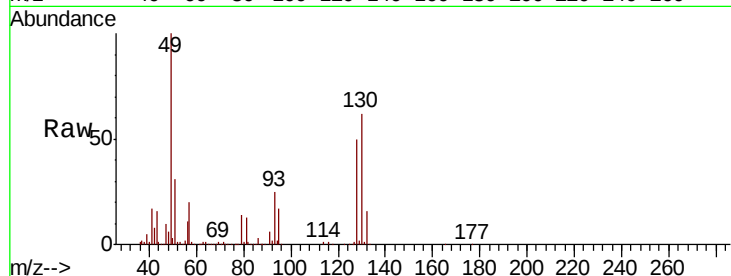
Tot Ion: 49 Resp: 1015924

Ion Ratio Lower Upper

49 100

128 54.0 23.3 69.8

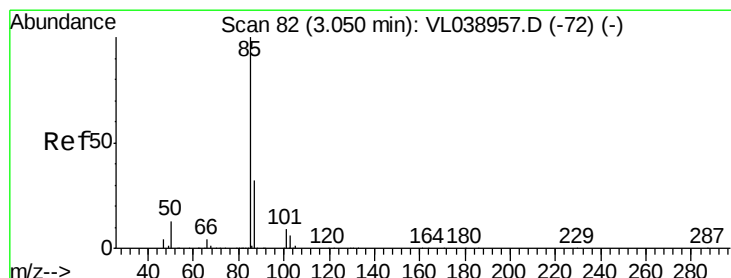
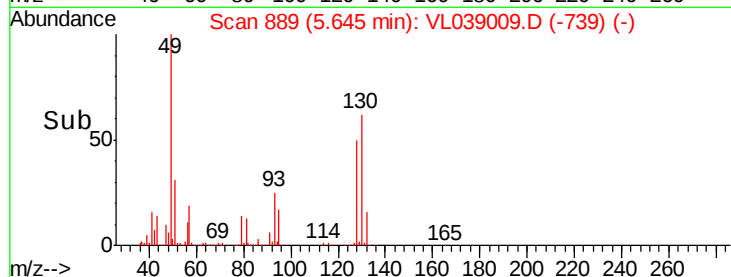
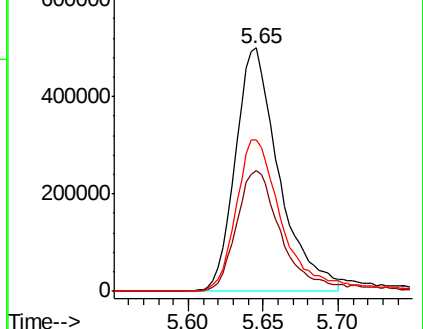
130 67.7 29.8 89.3



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: 0.583 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL039009.D

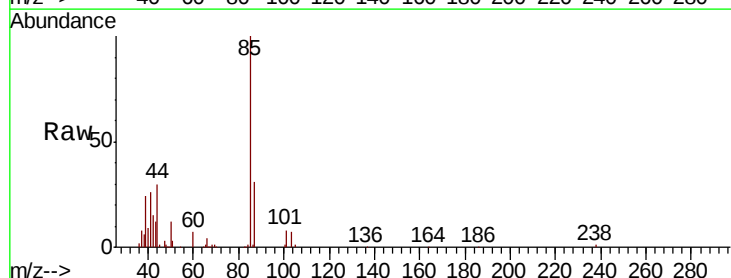
Acq: 10 May 2022 5:40

Tgt Ion: 85 Resp: 92731

Ion Ratio Lower Upper

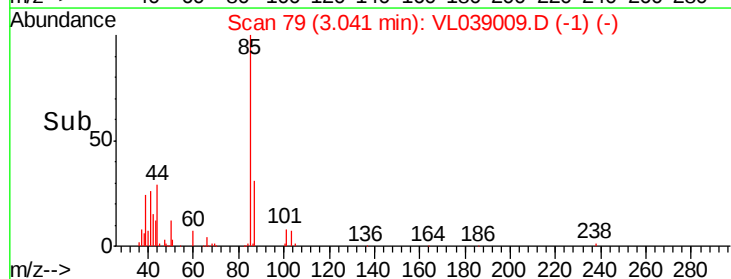
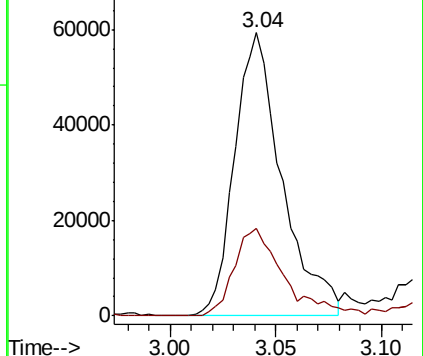
85 100

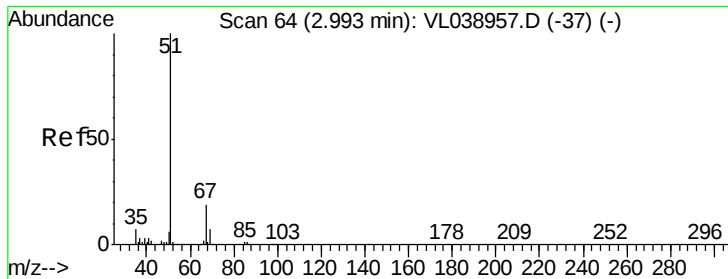
87 30.7 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.092 ppbv

RT: 2.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

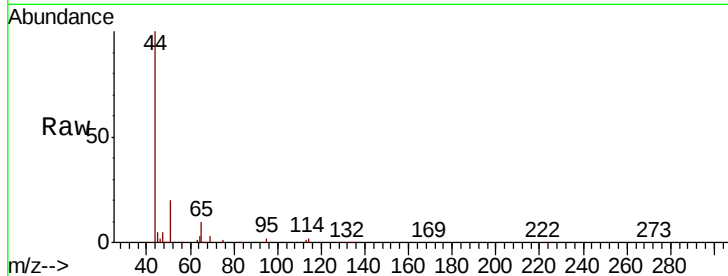
Acq: 10 May 2022 3:40

Tot Ion: 51 Resp: 137605

Ion Ratio Lower Upper

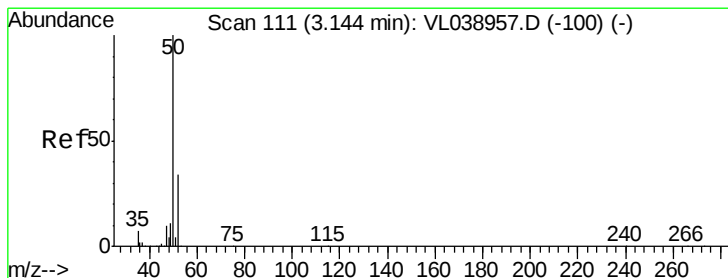
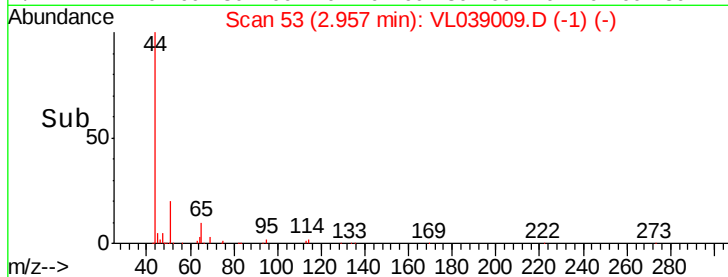
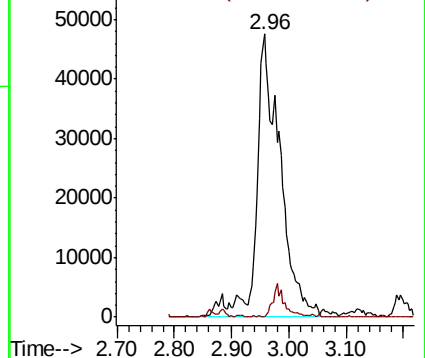
51 100

67 5.9 15.8 23.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.539 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL039009.D

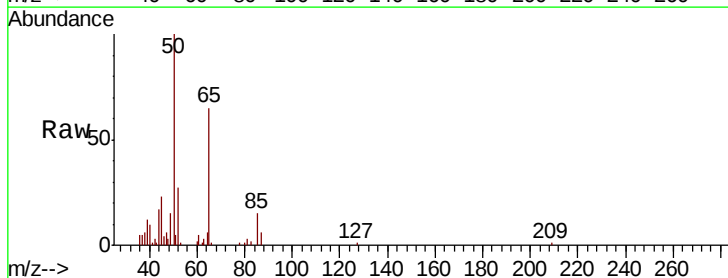
Acq: 10 May 2022 5:40

Tgt Ion: 50 Resp: 34012

Ion Ratio Lower Upper

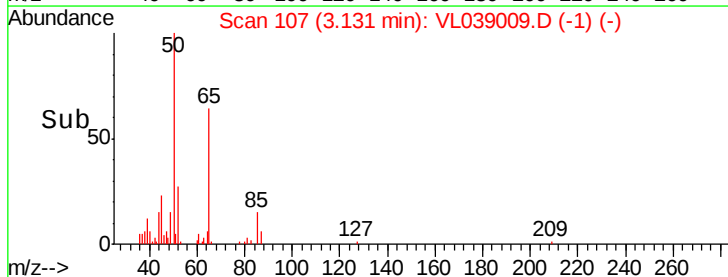
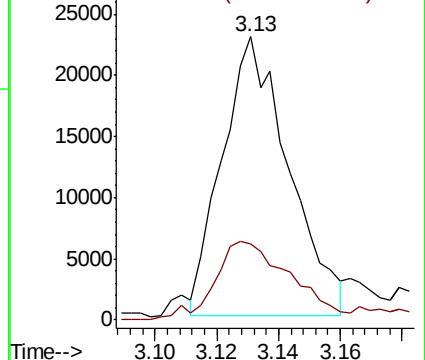
50 100

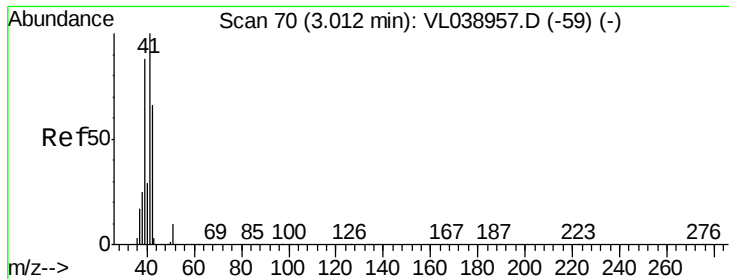
52 26.1 27.3 40.9#



Abundance Ion 50.10 (49.80 to 50.80): VL0

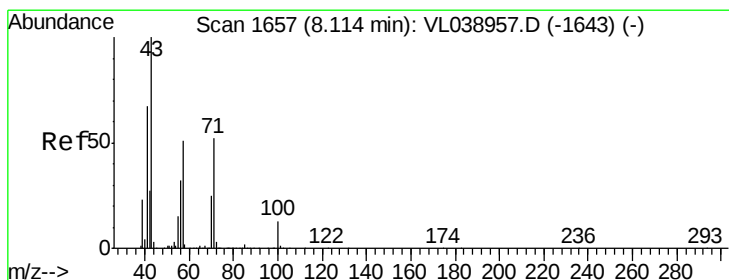
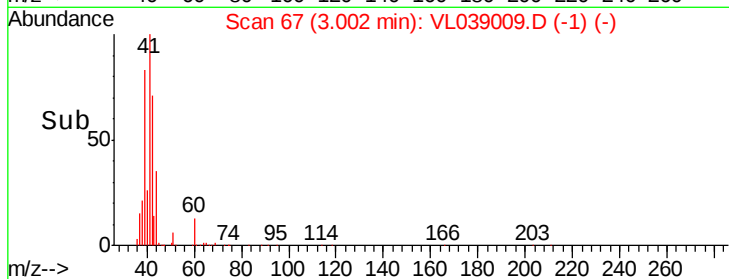
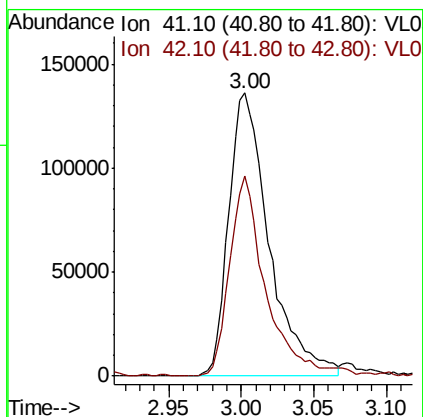
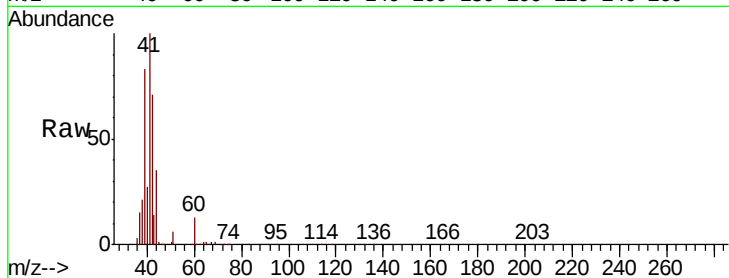
Ion 52.10 (51.80 to 52.80): VL0





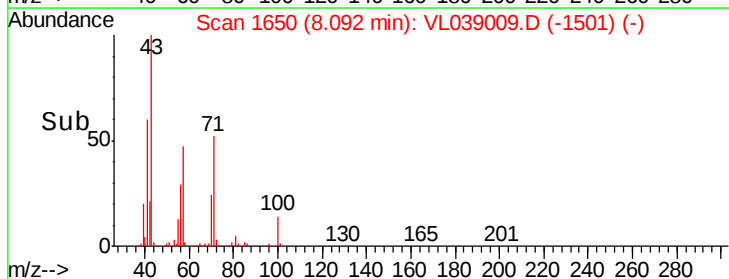
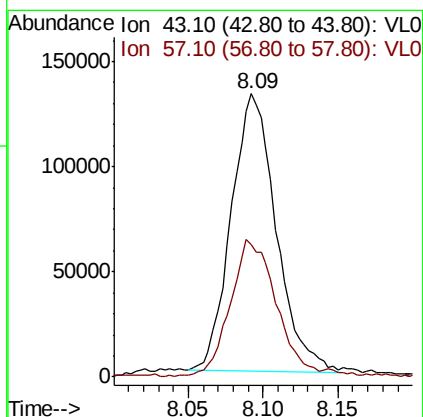
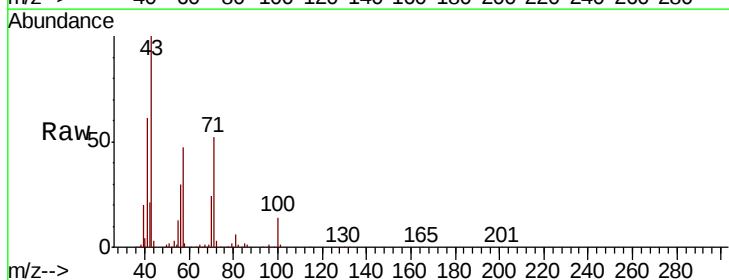
#9
 Propene
 Concen: 4.796 ppbv
 RT: 3.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 10 May 2022 3:40

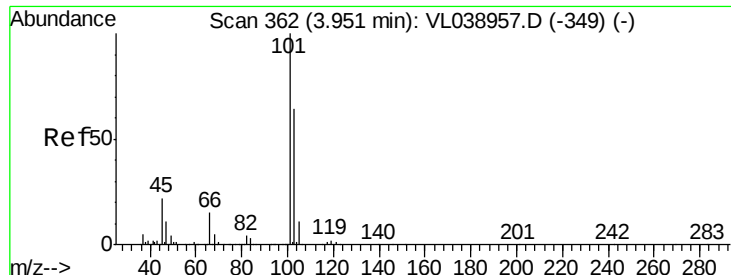
Tot Ion: 41 Resp: 264037
 Ion Ratio Lower Upper
 41 100
 42 64.3 58.3 87.5



#10
 Heptane
 Concen: 2.034 ppbv
 RT: 8.09 min Scan# 1650
 Delta R.T. -0.02 min
 Lab File: VL039009.D
 Acq: 10 May 2022 5:40

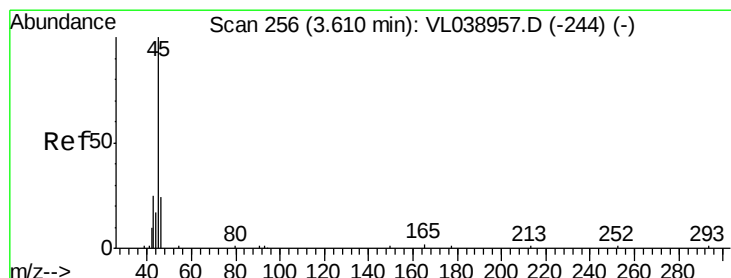
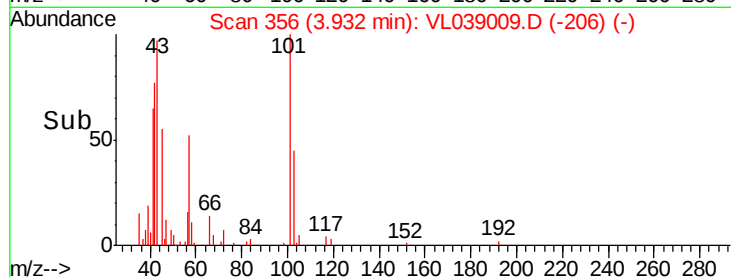
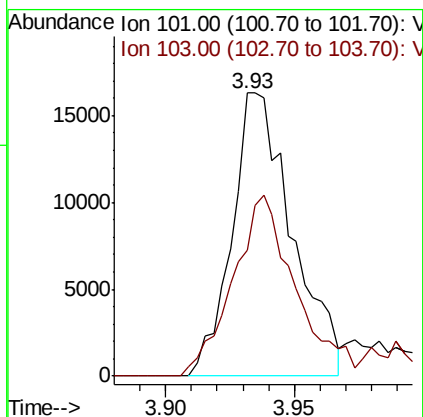
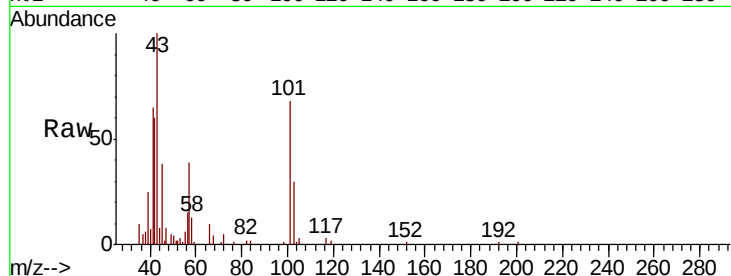
Tgt Ion: 43 Resp: 274761
 Ion Ratio Lower Upper
 43 100
 57 53.7 40.5 60.7





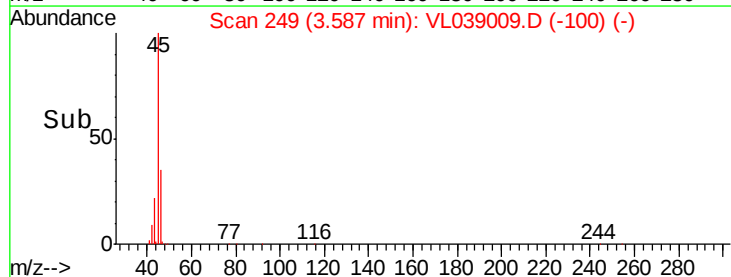
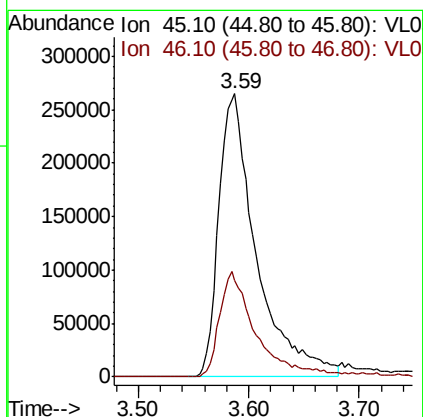
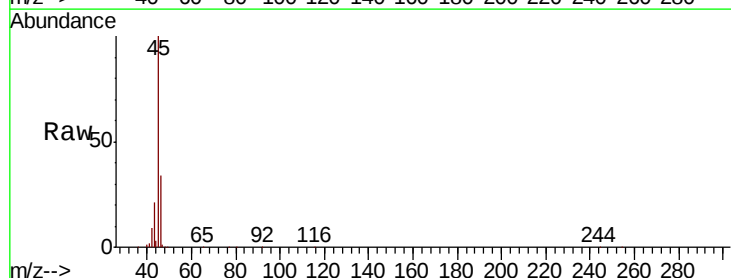
#11
 Trichlorofluoromethane
 Concen: 0.194 ppbv
 RT: 3.93
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 10 May 2022 3:40

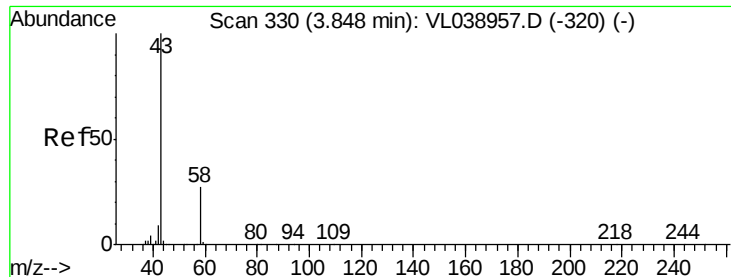
Tot Ion: 101 Resp: 26564
 Ion Ratio Lower Upper
 101 100
 103 41.3 51.5 77.3#



#13
 Ethanol
 Concen: 161.518 ppbv
 RT: 3.59 min Scan# 249
 Delta R.T. -0.02 min
 Lab File: VL039009.D
 Acq: 10 May 2022 5:40

Tgt Ion: 45 Resp: 629269
 Ion Ratio Lower Upper
 45 100
 46 37.4 18.0 72.2





#15

Acetone

Concen: 5.816 ppbv

RT: 3.83 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

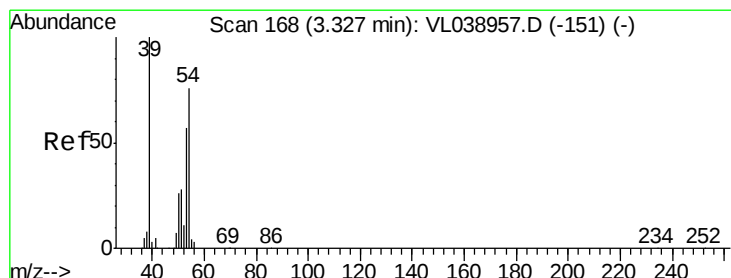
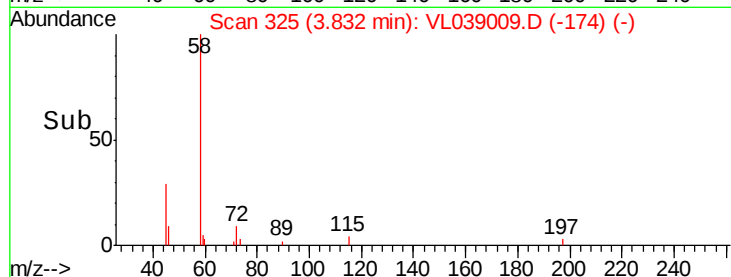
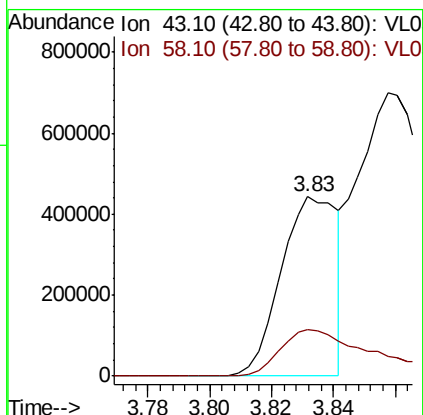
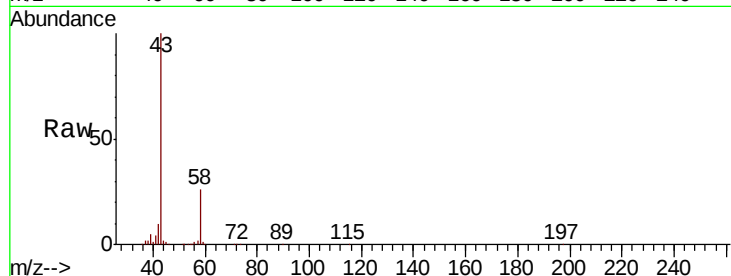
Acq: 10 May 2022 3:40

Tot Ion: 43 Resp: 557405

Ion Ratio Lower Upper

43 100

58 47.9 21.3 31.9#



#16

1,3-Butadiene

Concen: 1.892 ppbv

RT: 3.29 min Scan# 158

Delta R.T. -0.03 min

Lab File: VL039009.D

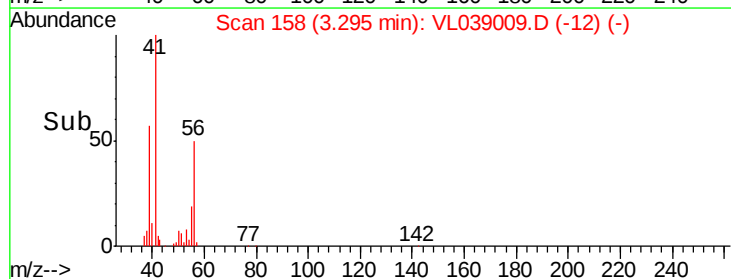
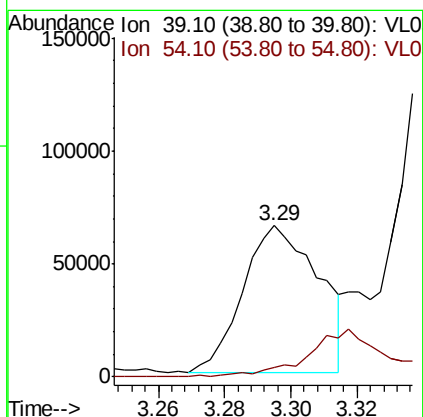
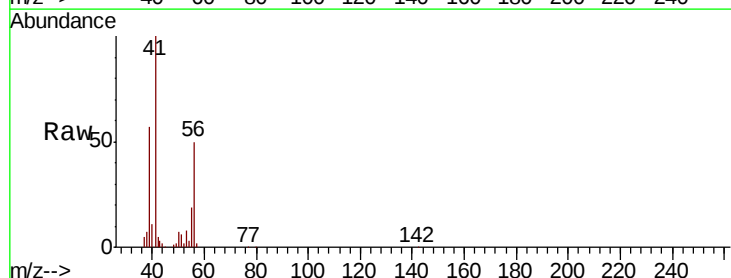
Acq: 10 May 2022 5:40

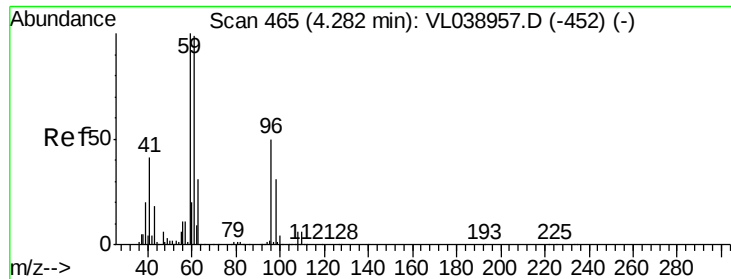
Tgt Ion: 39 Resp: 104188

Ion Ratio Lower Upper

39 100

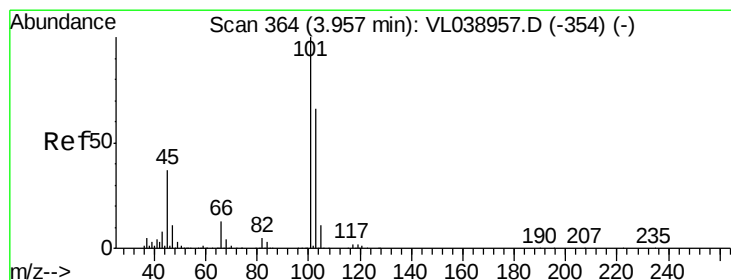
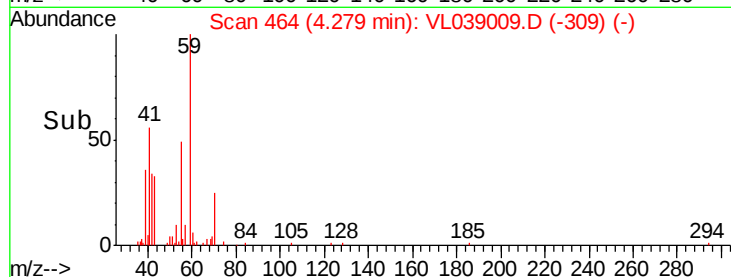
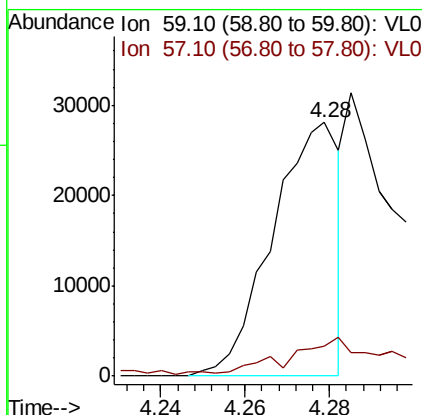
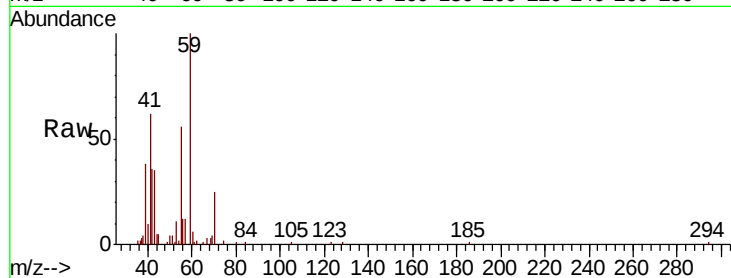
54 38.3 65.2 97.8#





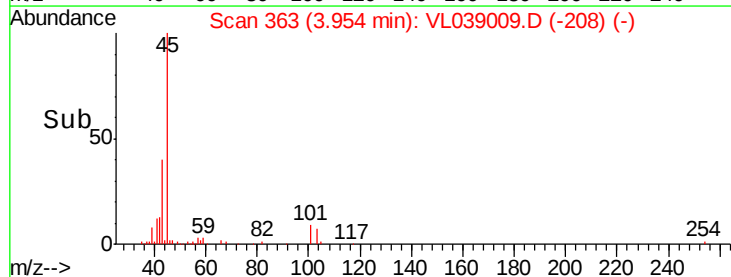
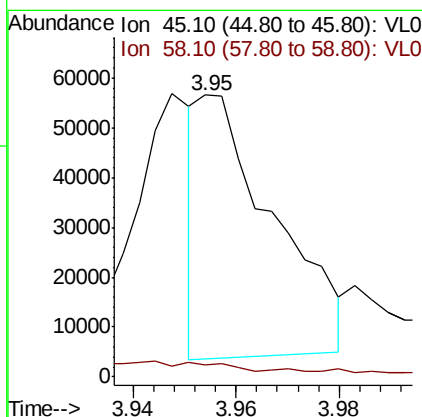
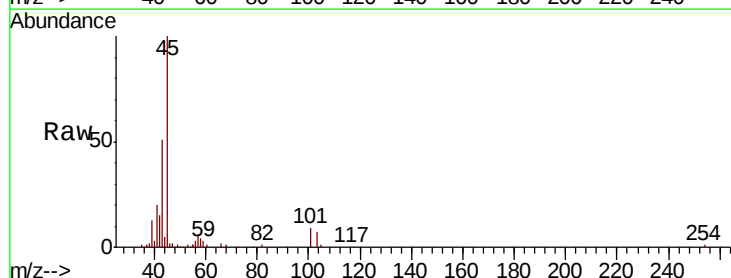
#17
 tert-Butyl alcohol
 Concen: 0.420 ppbv
 RT: 4.28
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 10 May 2022 5:40

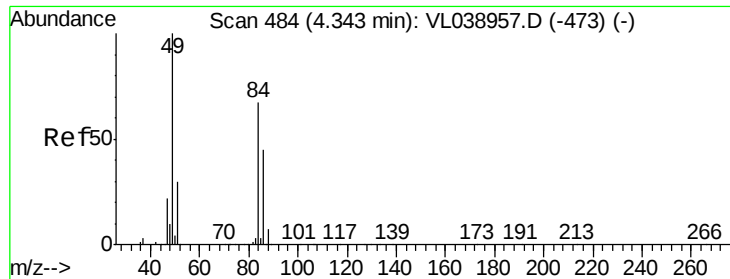
Tot Ion: 59 Resp: 30940
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.2 13.8#



#19
 Isopropyl Alcohol
 Concen: 1.171 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T.: -0.00 min
 Lab File: VL039009.D
 Acq: 10 May 2022 5:40

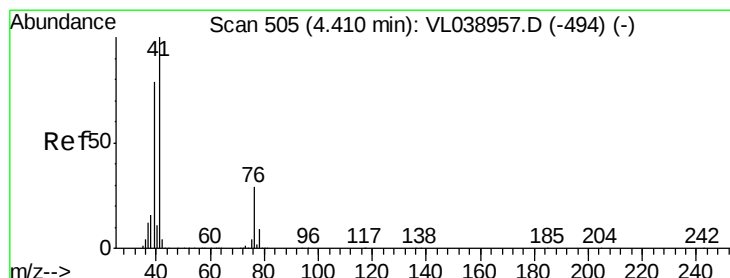
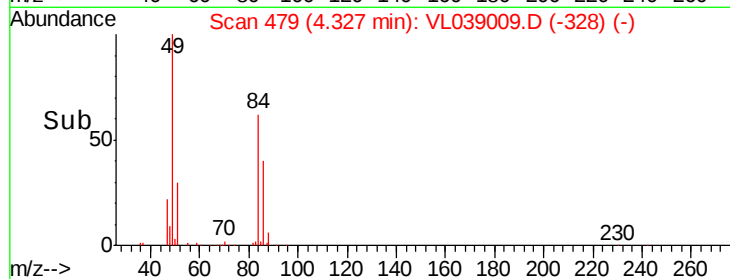
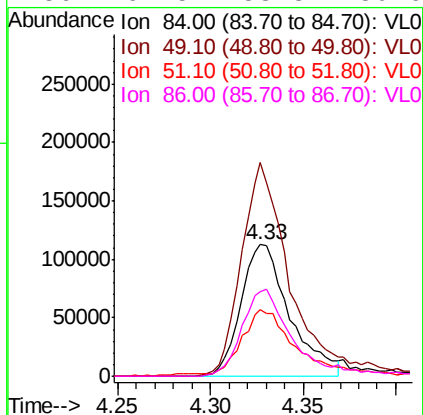
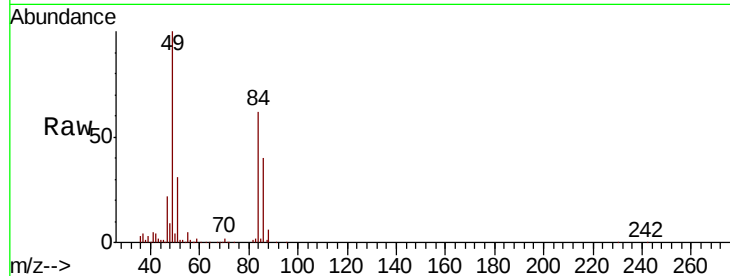
Tgt Ion: 45 Resp: 53347
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.4 2.2#





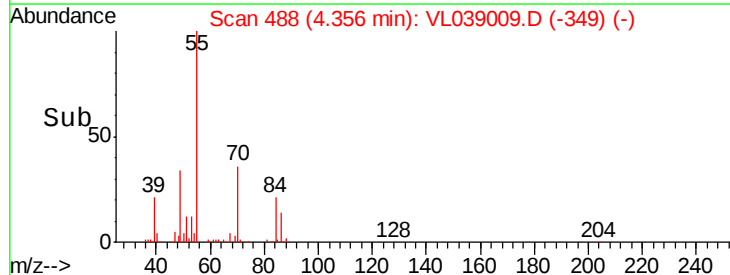
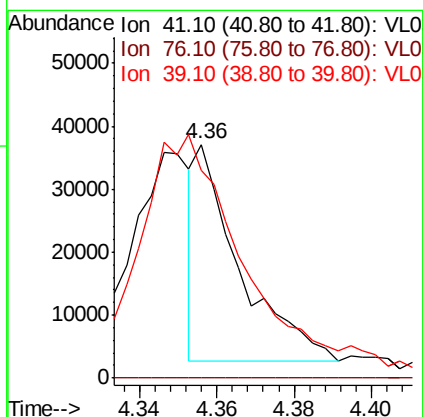
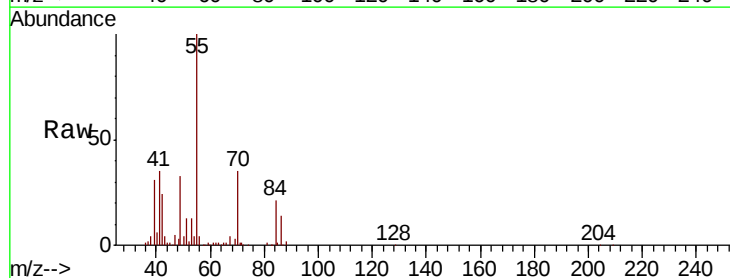
#20
Methylene Chloride
Concen: 5.713 ppbv
RT: 4.33
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 10 May 2022 5:40

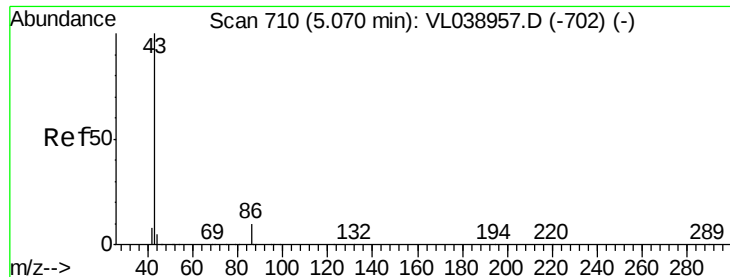
Tot Ion:	84	Resp:	206345
Ion	Ratio	Lower	Upper
84	100		
49	162.1	119.9	179.9
51	48.1	35.7	53.5
86	64.5	53.8	80.6



#21
Allyl Chloride
Concen: 0.412 ppbv
RT: 4.36 min Scan# 488
Delta R.T. -0.05 min
Lab File: VL039009.D
Acq: 10 May 2022 5:40

Tgt Ion:	41	Resp:	26936
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.2	36.4#
39	287.0	63.8	95.8#





#23

Vinyl Acetate

Concen: 2.410 ppbv

RT: 5.04 Instrument:

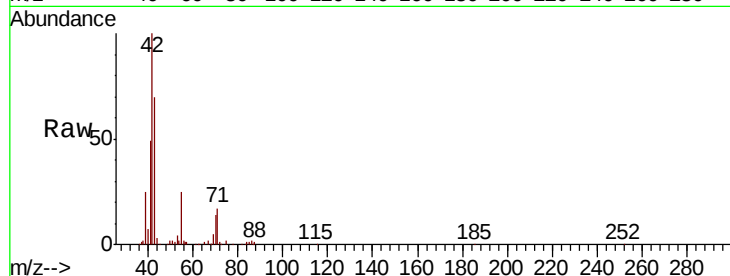
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

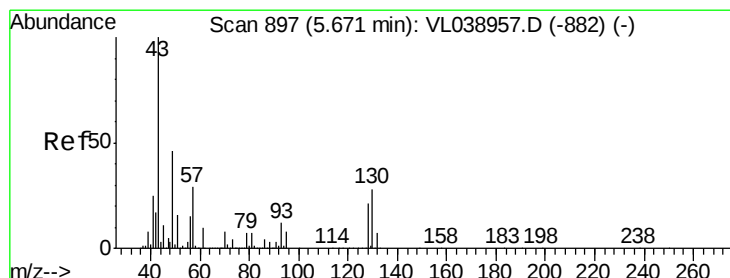
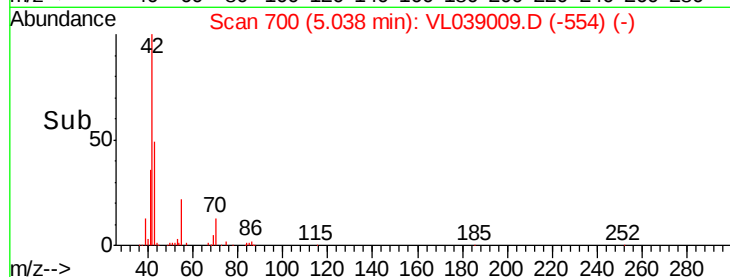
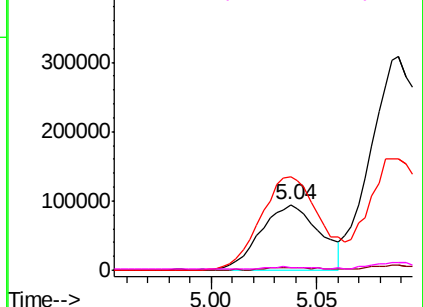
Acq: 10 May 2022 5:40

Tot Ion: 43 Resp: 182726

Ion	Ratio	Lower	Upper
43	100		
86	3.3	6.6	9.8#
42	143.8	8.1	12.1#
44	3.0	3.5	5.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 2.610 ppbv

RT: 5.67 min Scan# 896

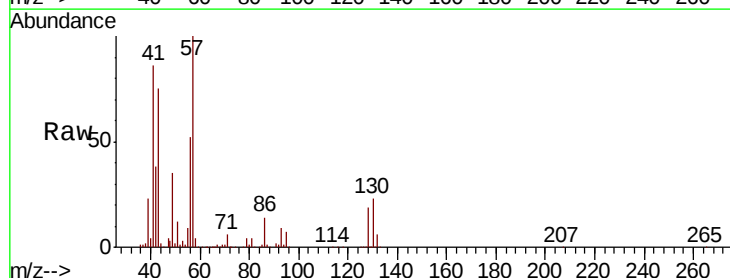
Delta R.T. -0.00 min

Lab File: VL039009.D

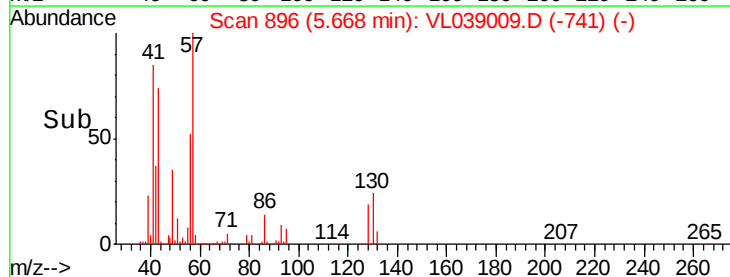
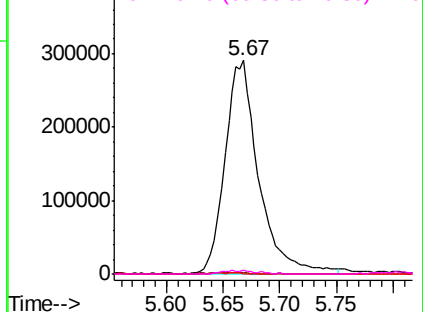
Acq: 10 May 2022 5:40

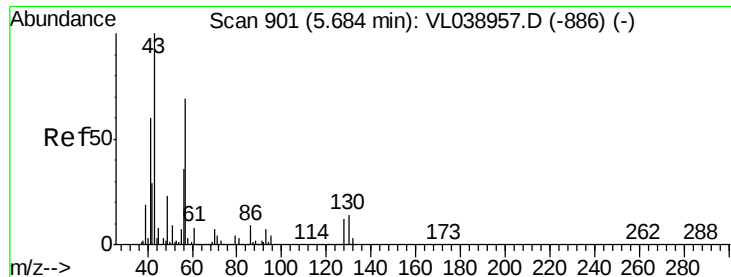
Tgt Ion: 43 Resp: 598767

Ion	Ratio	Lower	Upper
43	100		
45	1.1	8.1	12.1#
61	0.5	7.8	11.6#
70	1.9	5.6	8.4#



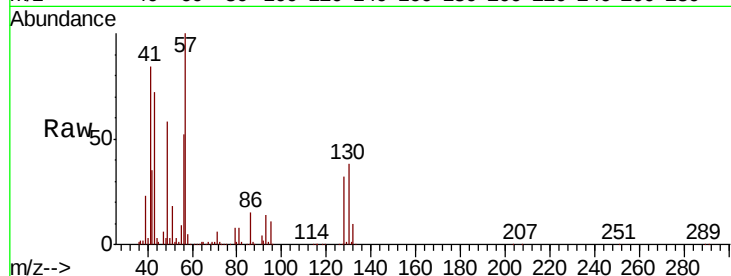
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



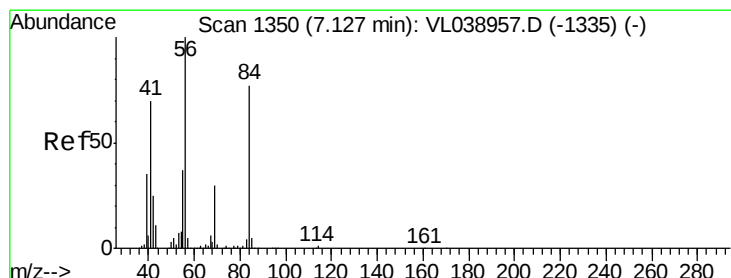
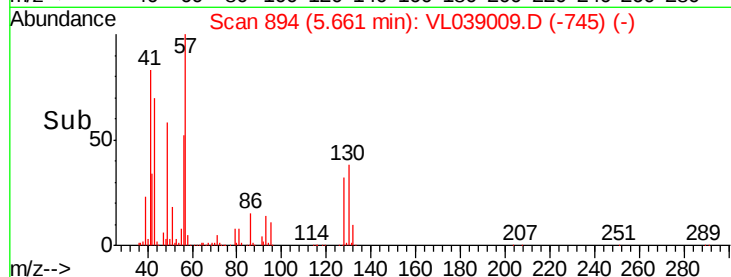
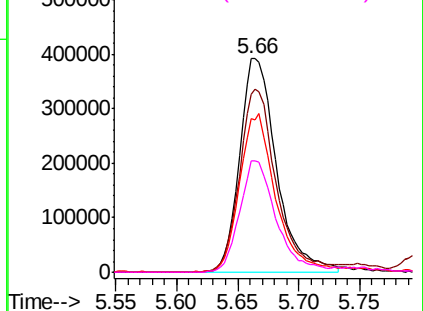


#26
Hexane
Concen: 8.042 ppbv
RT: 5.66
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 10 May 2022 5:40

Tot Ion:	57	Resp:	819555
Ion	Ratio	Lower	Upper
57	100		
41	89.8	75.2	112.8
43	75.0	190.8	286.2#
56	52.0	43.0	64.6

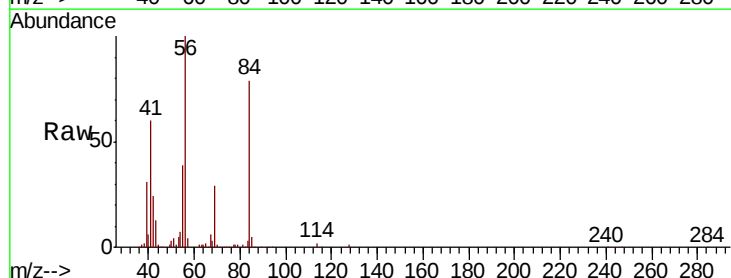


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

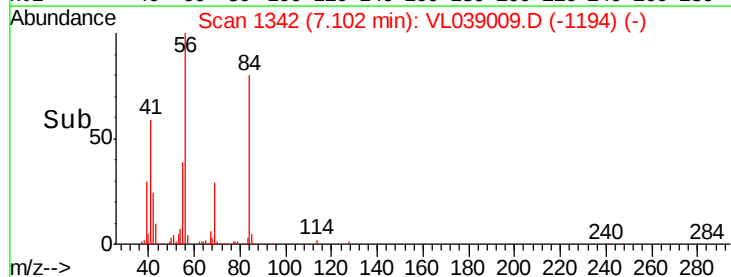
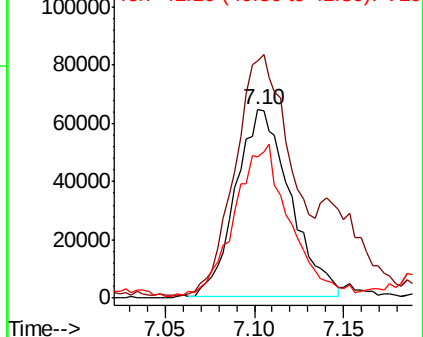


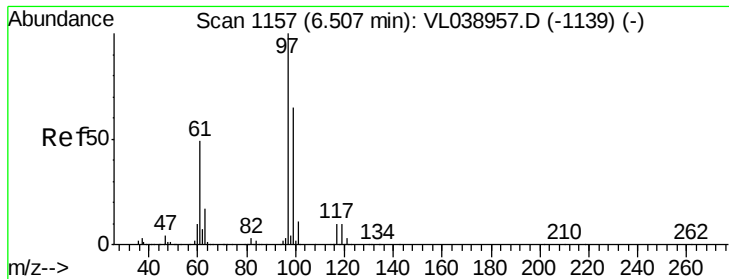
#30
Cyclohexane
Concen: 1.606 ppbv
RT: 7.10 min Scan# 1342
Delta R.T. -0.03 min
Lab File: VL039009.D
Acq: 10 May 2022 5:40

Tgt Ion:	84	Resp:	137004
Ion	Ratio	Lower	Upper
84	100		
56	171.0	115.3	172.9
41	83.0	72.0	108.0



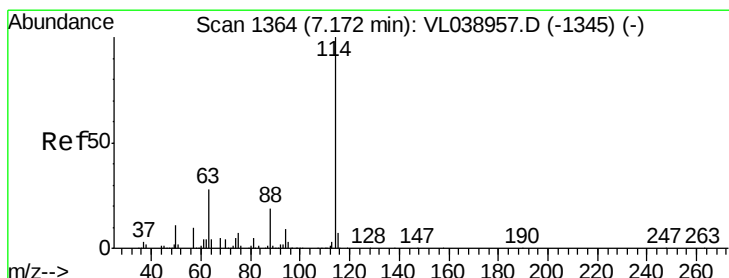
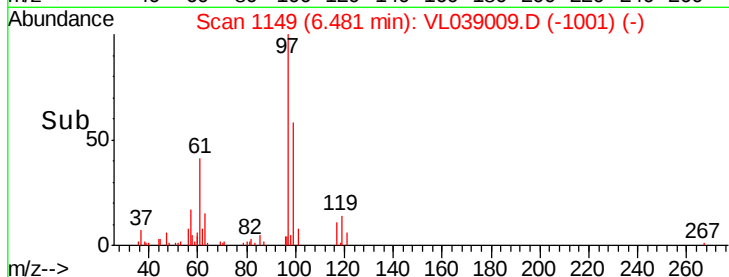
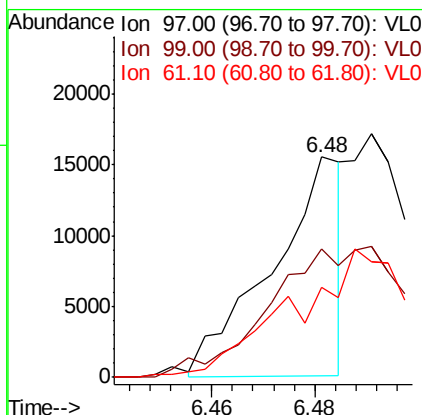
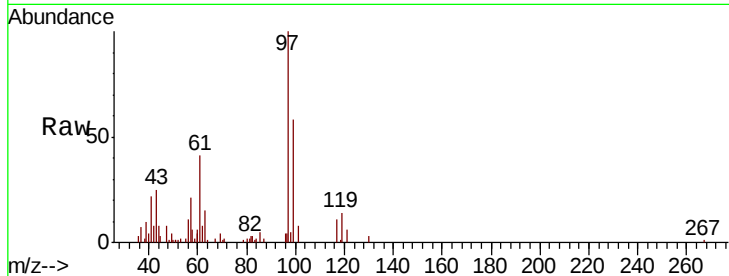
Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0





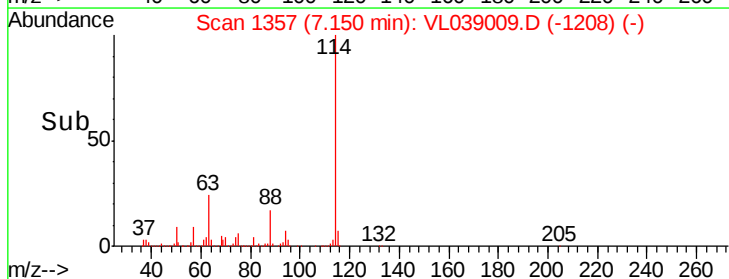
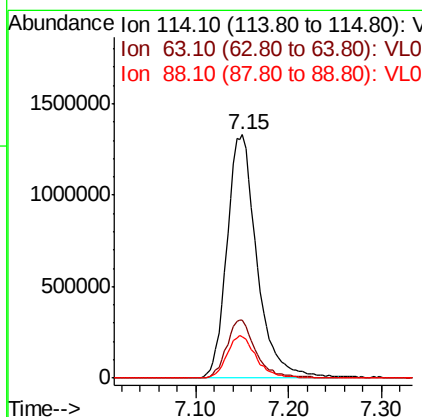
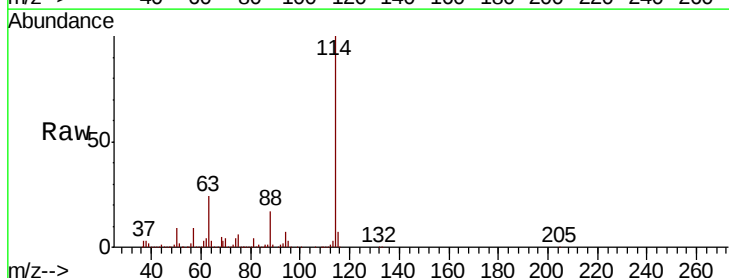
#32
 1,1,1-Trichloroethane
 Concen: 0.089 ppbv
 RT: 6.48
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 10 May 2022 5:40

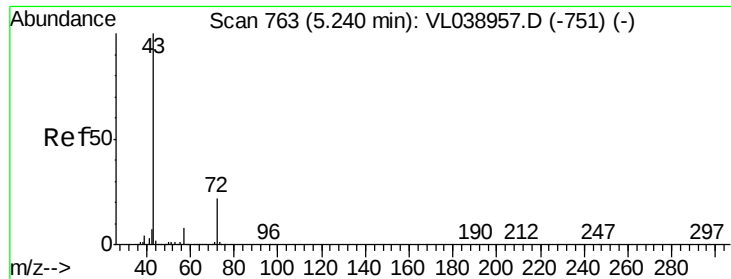
Tot Ion	97	Resp	14696
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.9	77.9#
61	0.0	40.9	61.3#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.02 min
 Lab File: VL039009.D
 Acq: 10 May 2022 5:40

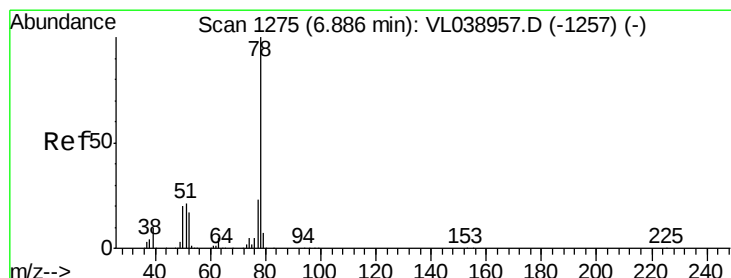
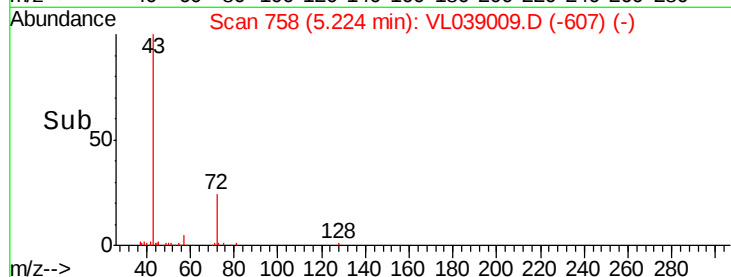
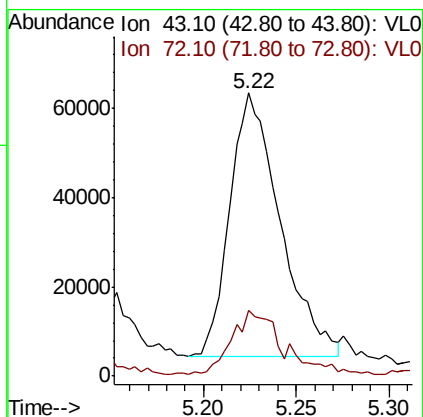
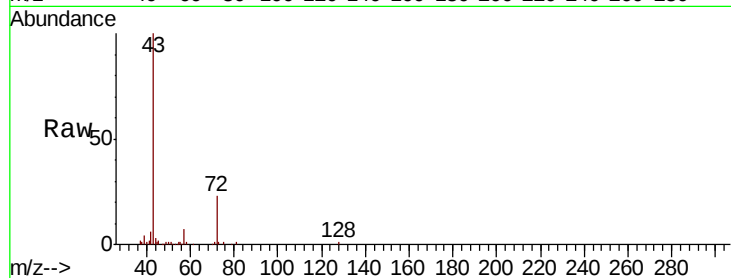
Tgt Ion	114	Resp	2982211
Ion Ratio	Lower	Upper	
114	100		
63	23.3	22.6	33.8
88	17.3	15.4	23.0





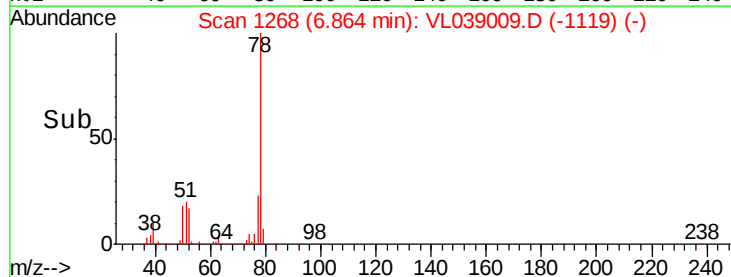
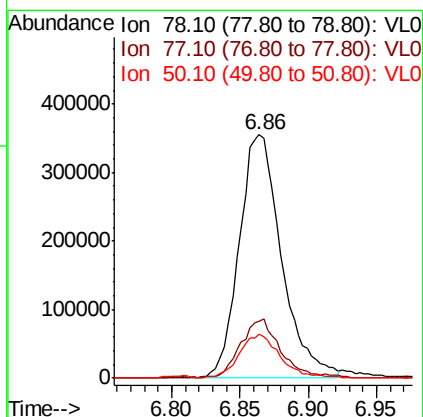
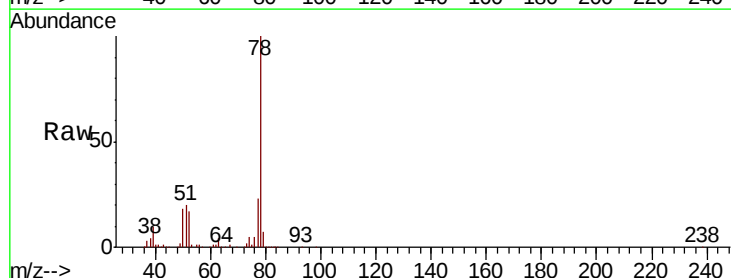
#34
 2-Butanone
 Concen: 0.736 ppbv
 RT: 5.22
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 10 May 2022 5:40

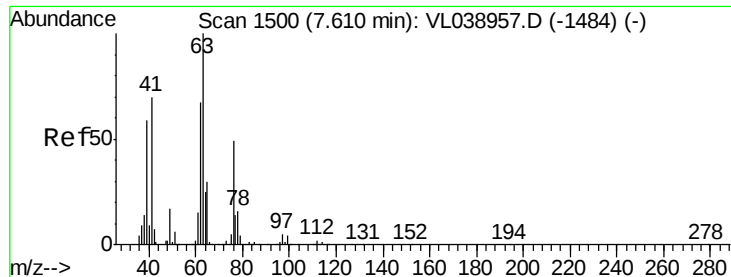
Tot Ion: 43 Resp: 112033
 Ion Ratio Lower Upper
 43 100
 72 27.2 17.8 26.6#



#36
 Benzene
 Concen: 2.993 ppbv
 RT: 6.86 min Scan# 1268
 Delta R.T. -0.02 min
 Lab File: VL039009.D
 Acq: 10 May 2022 5:40

Tgt Ion: 78 Resp: 763908
 Ion Ratio Lower Upper
 78 100
 77 22.9 18.6 28.0
 50 17.4 15.6 23.4





#39

1,2-Dichloropropane

Concen: 6.834 ppbv

RT: 7.15

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 May 2022 5:40

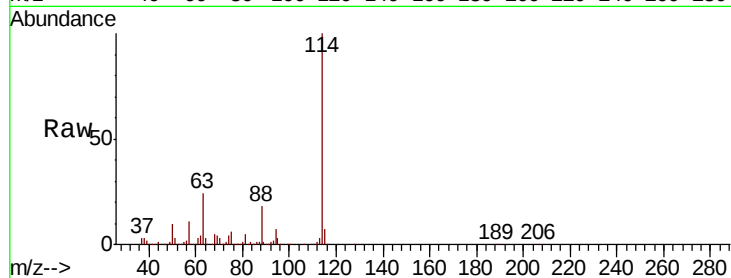
Tot Ion: 63 Resp: 678608

Ion Ratio Lower Upper

63 100

41 0.0 55.9 83.9#

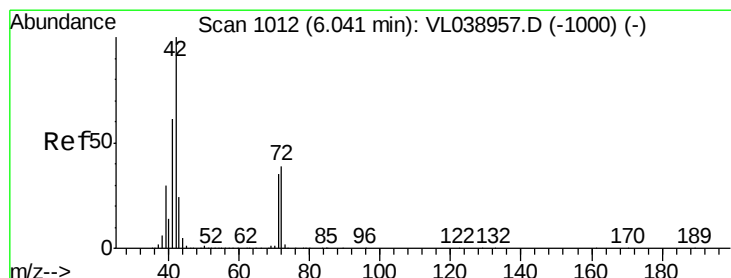
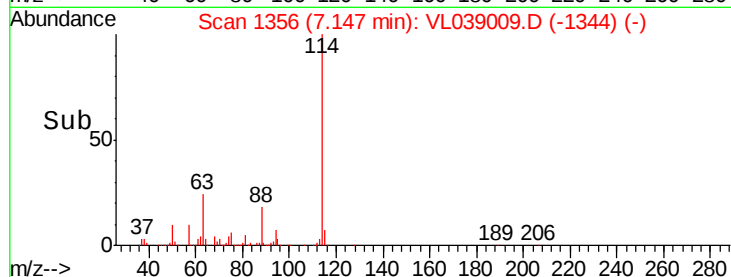
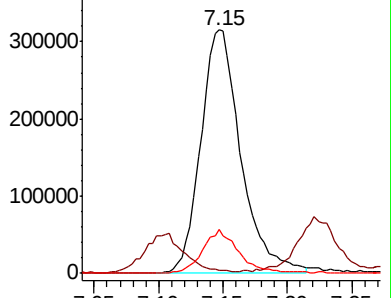
62 18.3 53.8 80.6#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 0.088 ppbv

RT: 5.95 min Scan# 985

Delta R.T. -0.09 min

Lab File: VL039009.D

Acq: 10 May 2022 5:40

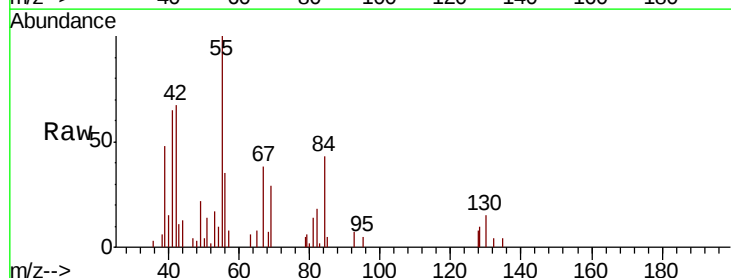
Tgt Ion: 42 Resp: 9015

Ion Ratio Lower Upper

42 100

72 1.7 31.8 47.6#

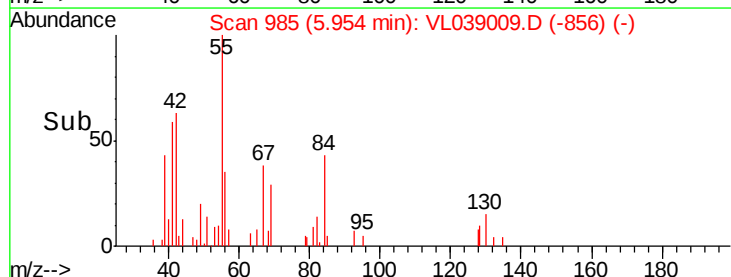
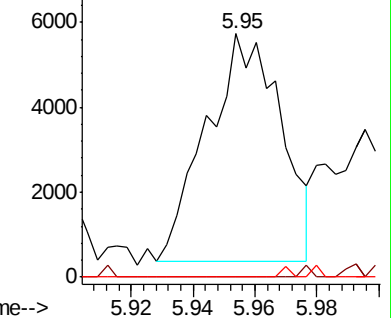
71 0.0 30.6 45.8#

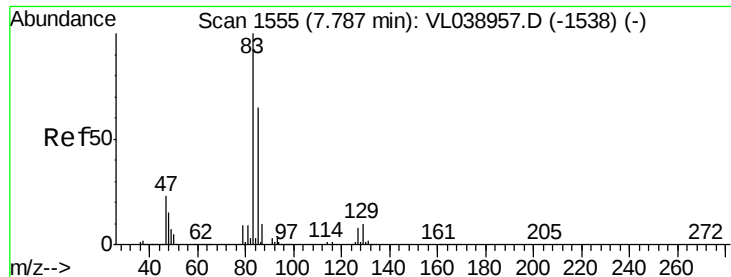


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 0.050 ppbv

RT: 7.76 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 5:40

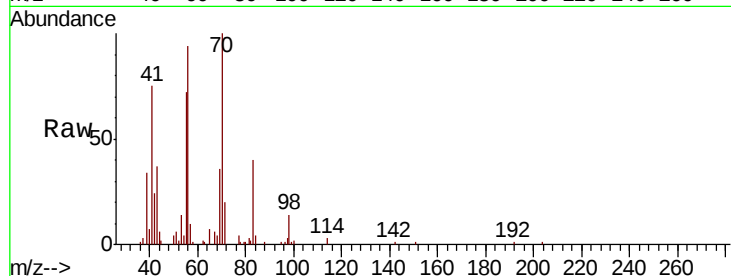
Tot Ion: 83 Resp: 10783

Ion Ratio Lower Upper

83 100

85 0.0 52.0 78.0#

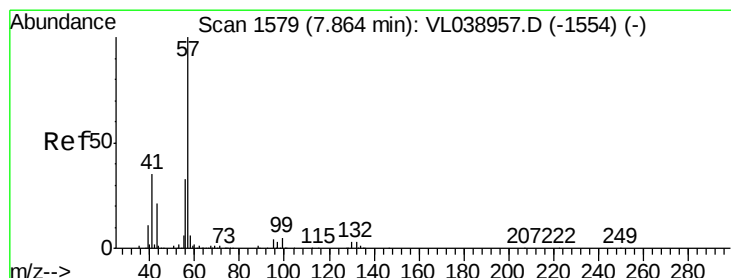
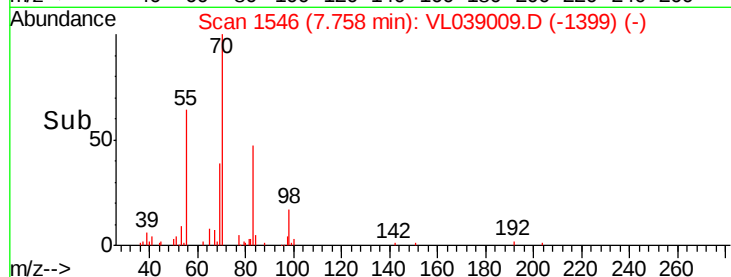
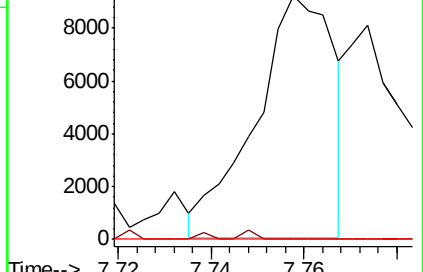
127 0.0 6.0 9.0#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0



#44

2,2,4-Trimethylpentane

Concen: 2.541 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.02 min

Lab File: VL039009.D

Acq: 10 May 2022 5:40

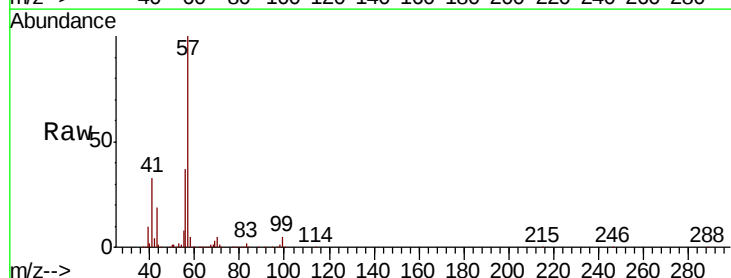
Tgt Ion: 57 Resp: 1138067

Ion Ratio Lower Upper

57 100

41 33.1 26.3 39.5

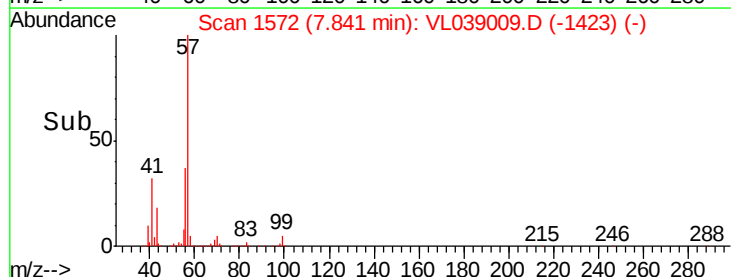
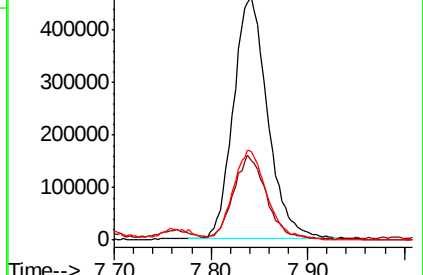
56 37.3 24.6 37.0#

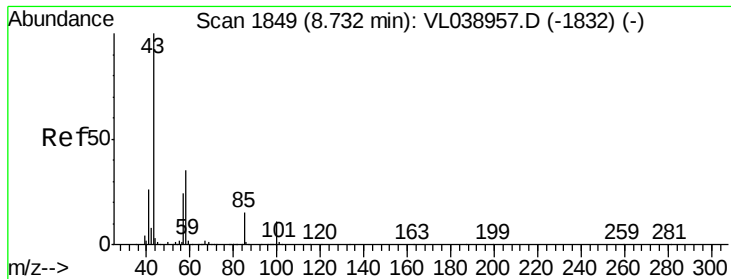


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

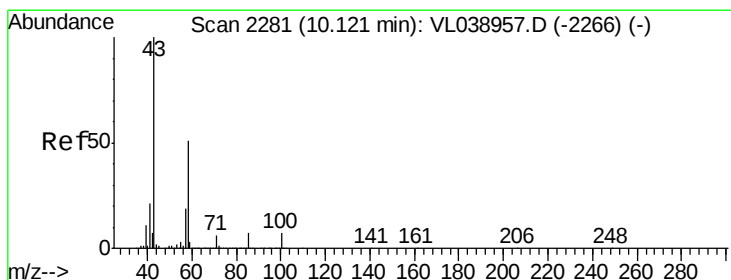
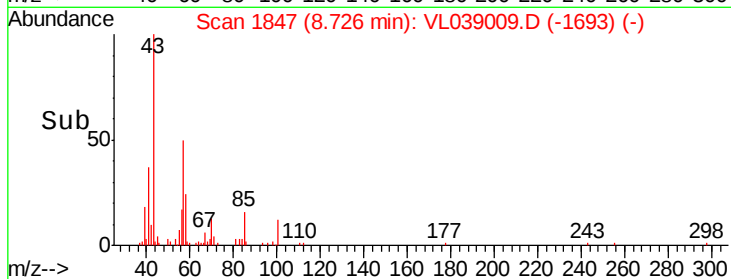
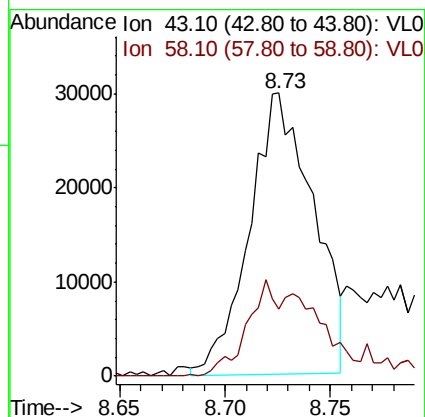
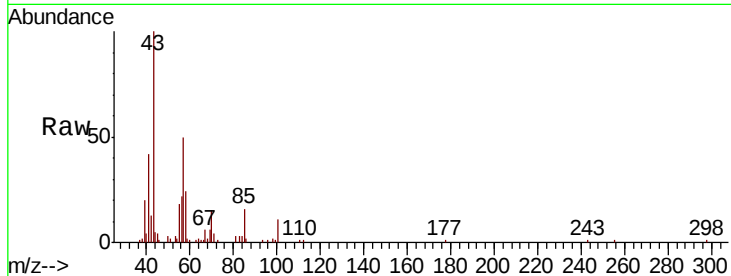
Ion 56.10 (55.80 to 56.80): VL0





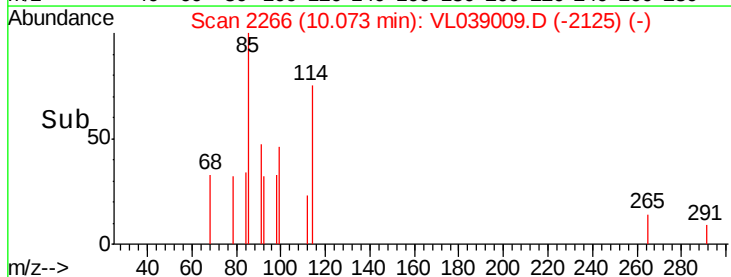
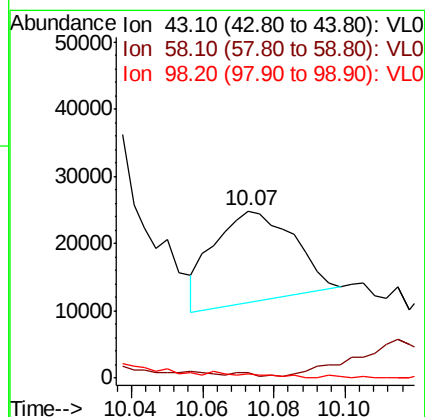
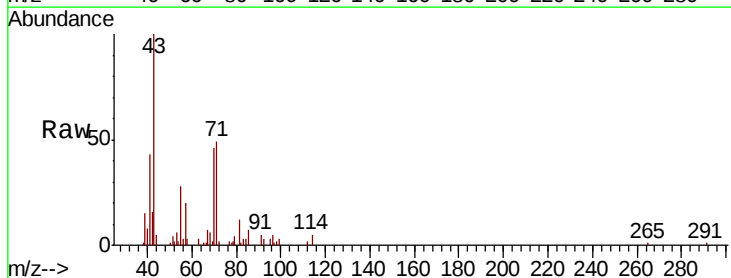
#50
 4-Methyl-2-Pentanone
 Concen: 0.236 ppbv
 RT: 8.73
 Delta R.T. MSVOA_L
 Lab File: ClientSampled :
 Acq: 10 May 2022 5:40

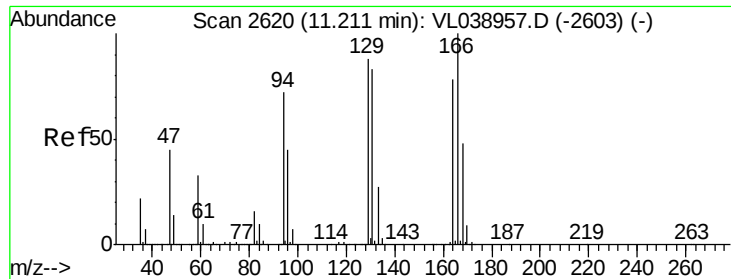
Tot Ion: 43 Resp: 63024
 Ion Ratio Lower Upper
 43 100
 58 41.1 28.4 42.6



#51
 2-Hexanone
 Concen: 0.109 ppbv
 RT: 10.07 min Scan# 2266
 Delta R.T. -0.05 min
 Lab File: VL039009.D
 Acq: 10 May 2022 5:40

Tgt Ion: 43 Resp: 21140
 Ion Ratio Lower Upper
 43 100
 58 0.0 39.3 58.9#
 98 0.0 0.2 0.2#





#52

Tetrachloroethene

Concen: 1.624 ppbv

RT: 11.19

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 May 2022 3:40

Tot Ion:164 Resp: 148096

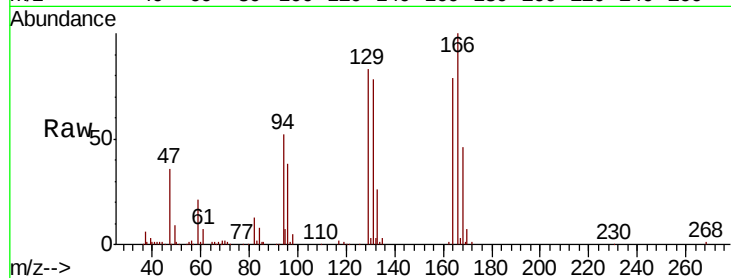
Ion Ratio Lower Upper

164 100

166 127.6 102.5 153.7

129 106.1 90.1 135.1

131 99.5 84.8 127.2



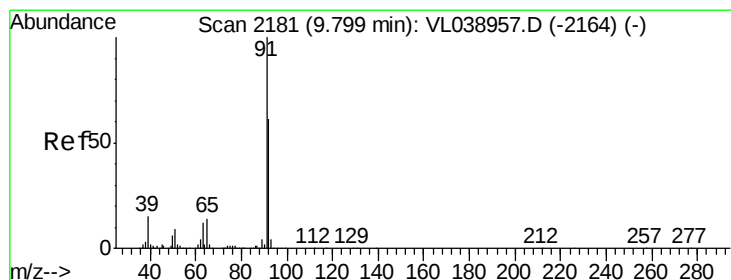
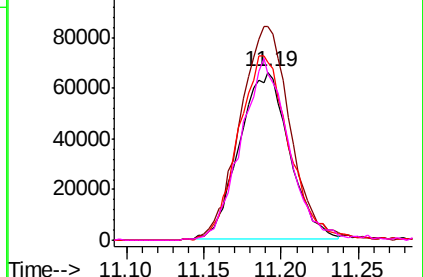
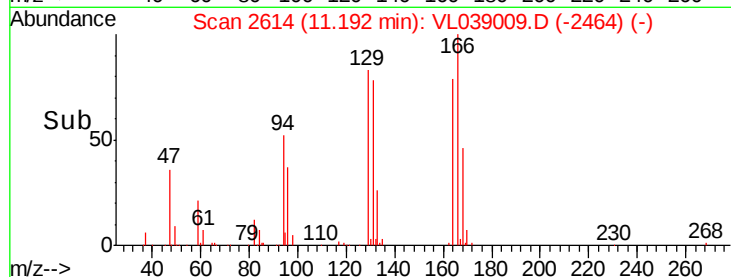
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Time-->



#53

Toluene

Concen: 7.482 ppbv

RT: 9.77 min Scan# 2173

Delta R.T. -0.03 min

Lab File: VL039009.D

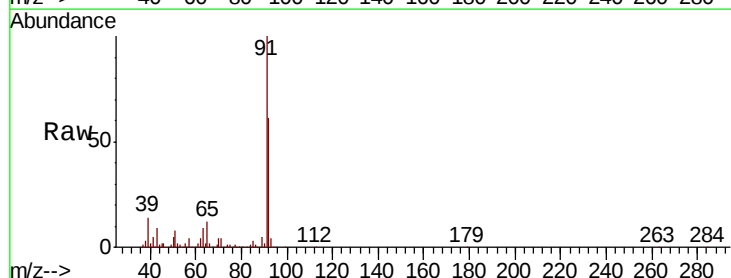
Acq: 10 May 2022 5:40

Tgt Ion: 91 Resp: 2140085

Ion Ratio Lower Upper

91 100

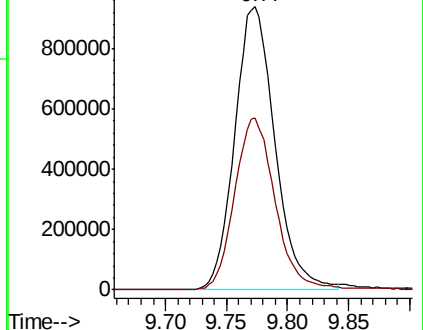
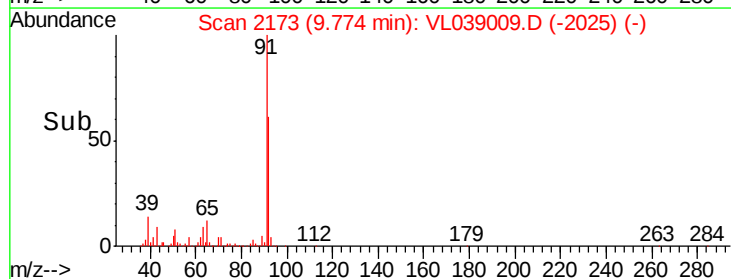
92 62.2 48.2 72.2

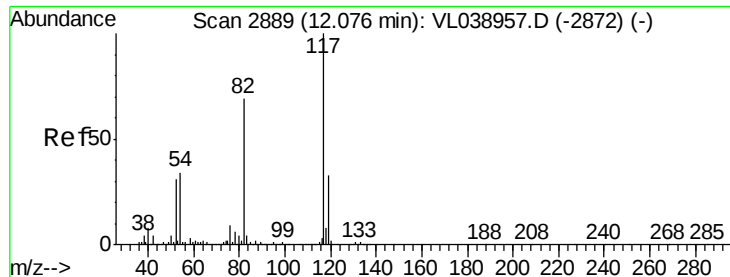


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Time-->

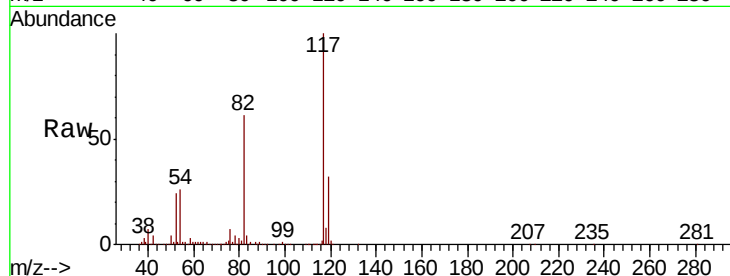




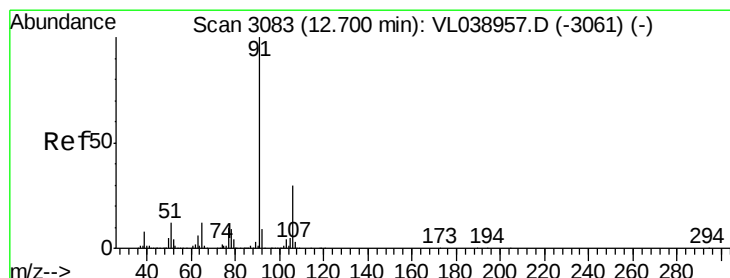
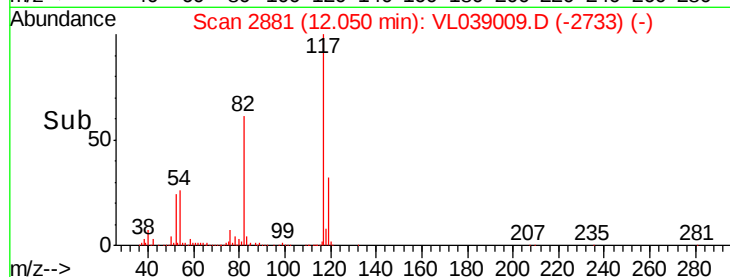
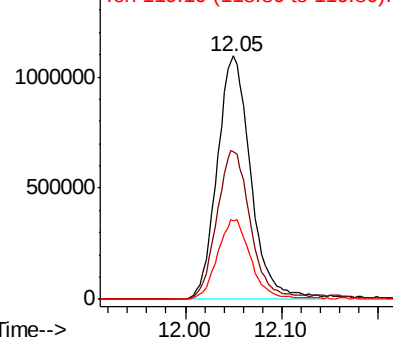
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 10 May 2022 5:40

Tot Ion: 117 Resp: 2643568

Ion	Ratio	Lower	Upper
117	100		
82	61.2	57.0	85.6
119	32.7	27.2	40.8



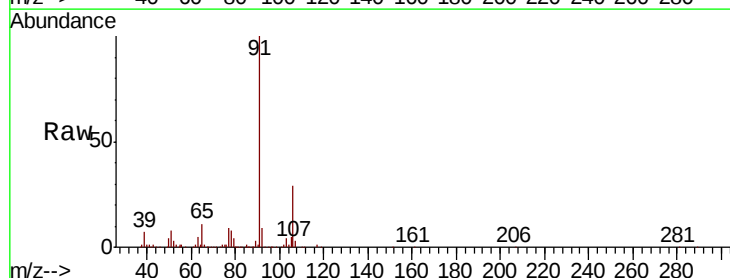
Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



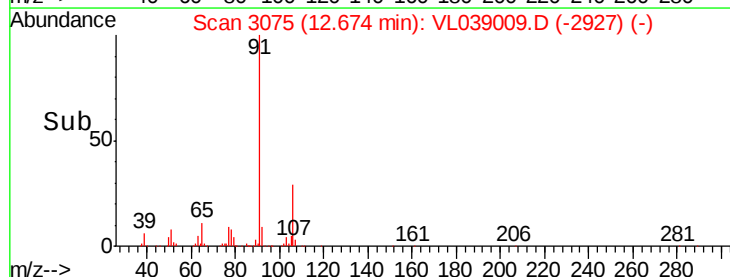
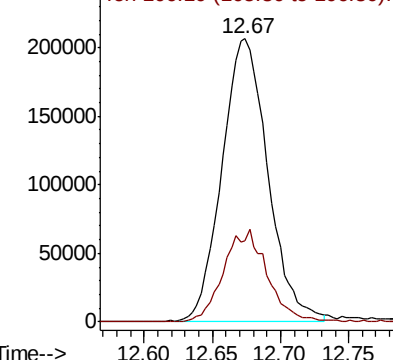
#58
Ethyl Benzene
Concen: 1.261 ppbv
RT: 12.67 min Scan# 3075
Delta R.T.: -0.03 min
Lab File: VL039009.D
Acq: 10 May 2022 5:40

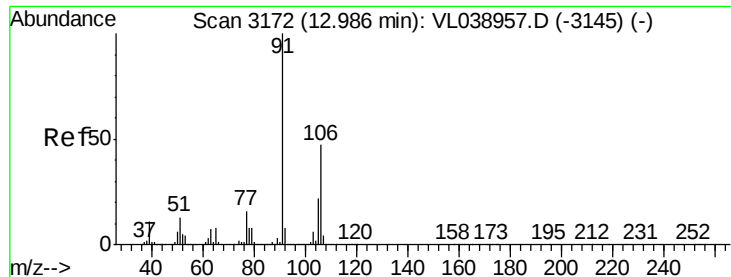
Tgt Ion: 91 Resp: 479736

Ion	Ratio	Lower	Upper
91	100		
106	28.8	24.2	36.4



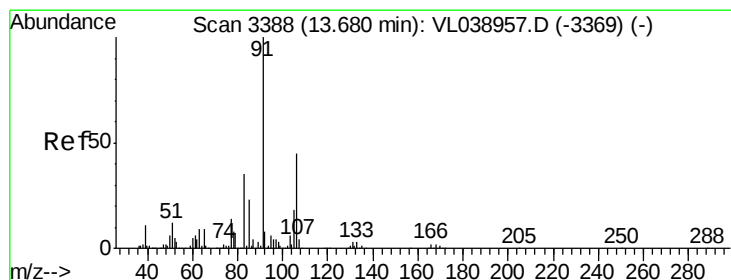
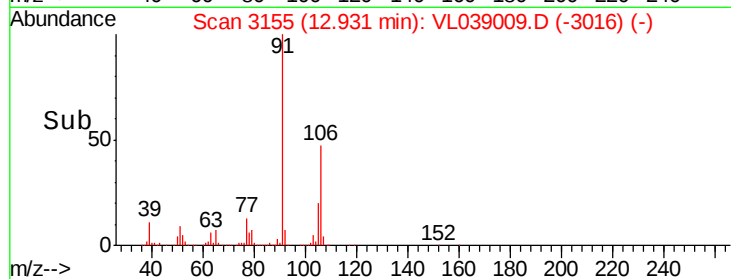
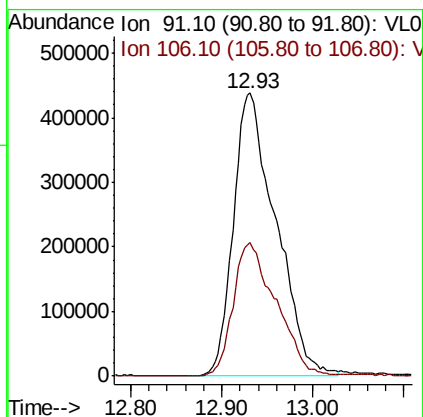
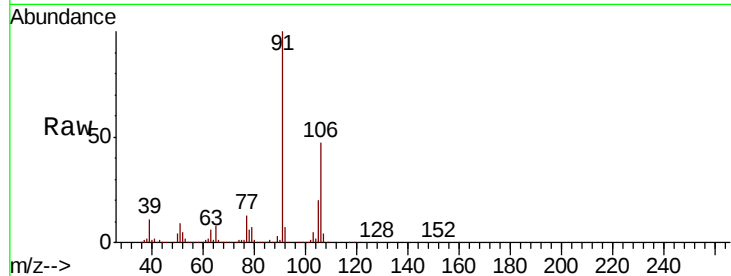
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





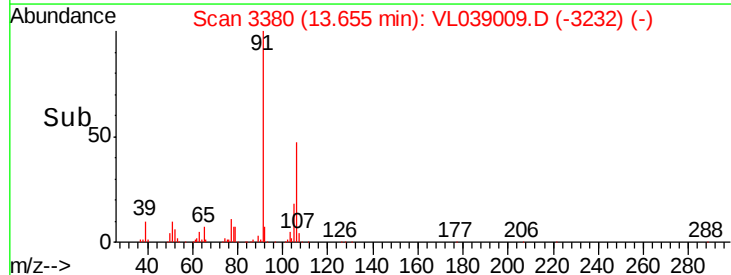
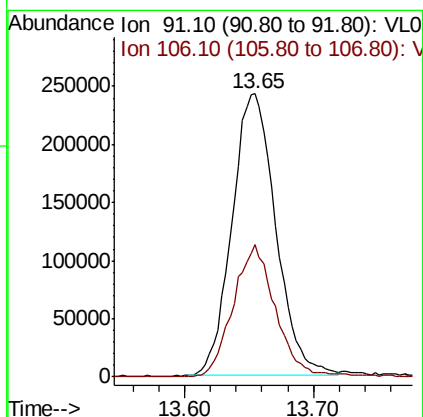
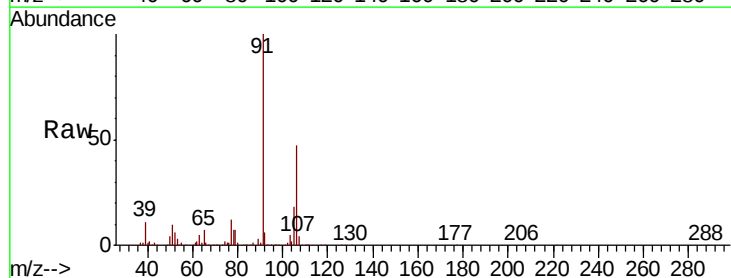
#59
m/p-Xylene
Concen: 4.352 ppbv
RT: 12.93 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 10 May 2022 5:40

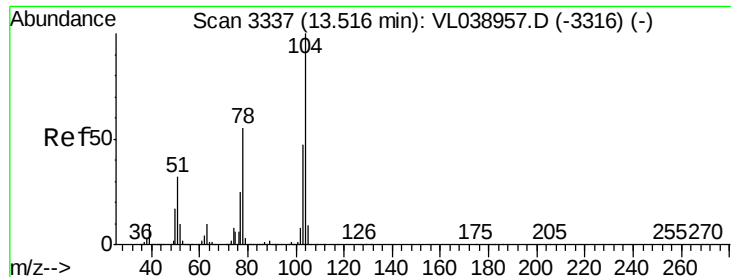
Tot Ion: 91 Resp: 1413595
Ion Ratio Lower Upper
91 100
106 48.1 34.6 52.0



#60
o-Xylene
Concen: 1.861 ppbv
RT: 13.65 min Scan# 3380
Delta R.T.: -0.03 min
Lab File: VL039009.D
Acq: 10 May 2022 5:40

Tgt Ion: 91 Resp: 568763
Ion Ratio Lower Upper
91 100
106 46.2 22.2 66.6





#61

Stvrene

Concen: 0.119 ppbv

RT: 13.49

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 May 2022 5:40

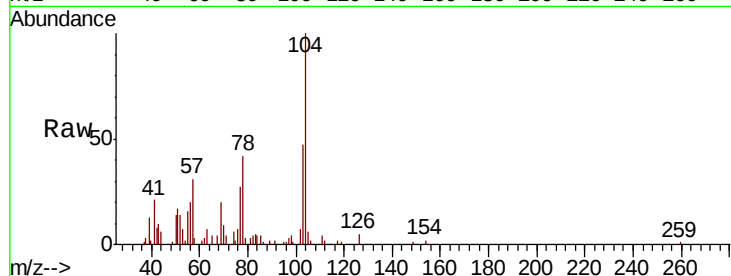
Tot Ion:104 Resp: 19363

Ion Ratio Lower Upper

104 100

78 107.2 46.4 69.6#

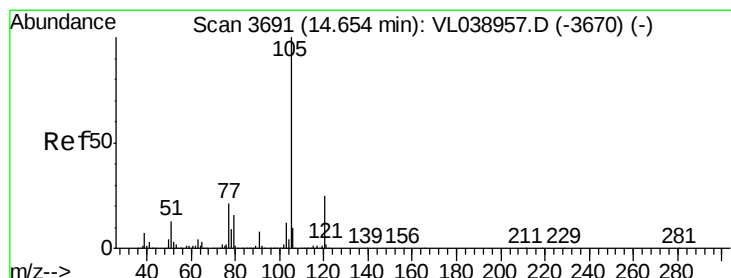
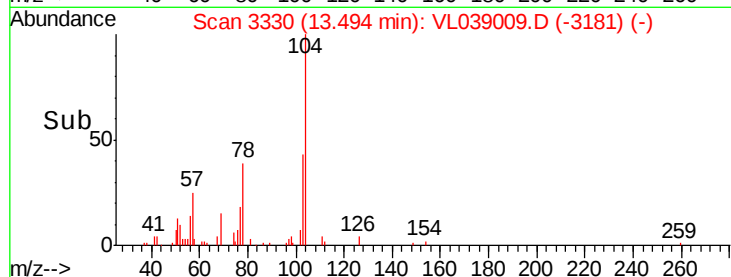
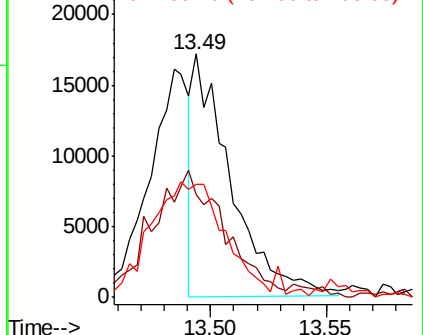
103 99.3 39.3 58.9#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.039 ppbv

RT: 14.62 min Scan# 3681

Delta R.T. -0.03 min

Lab File: VL039009.D

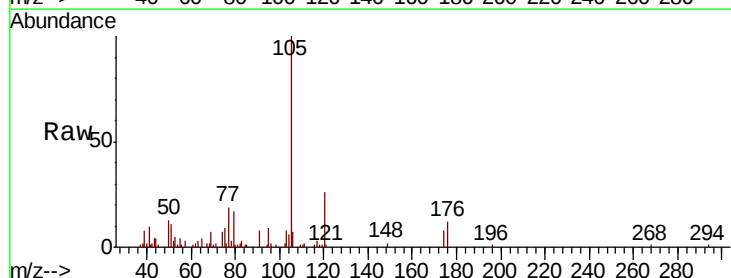
Acq: 10 May 2022 5:40

Tgt Ion:105 Resp: 17519

Ion Ratio Lower Upper

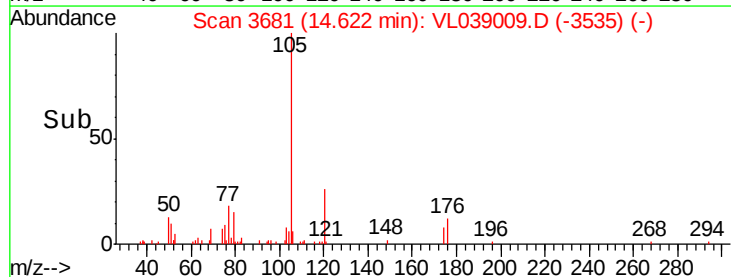
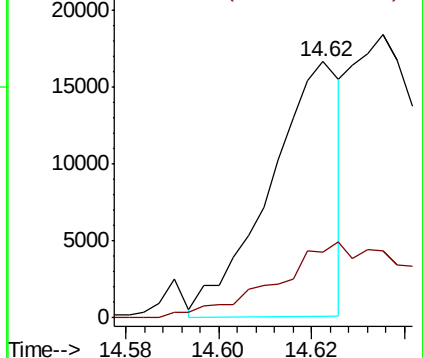
105 100

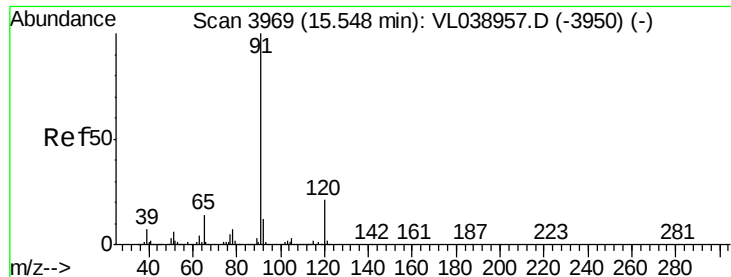
120 64.2 20.5 30.7#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.143 ppbv

RT: 15.52

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

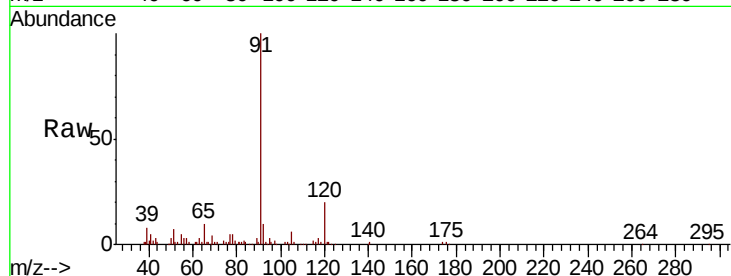
Acq: 10 May 2022 5:40

Tot Ion:120 Resp: 15464

Ion Ratio Lower Upper

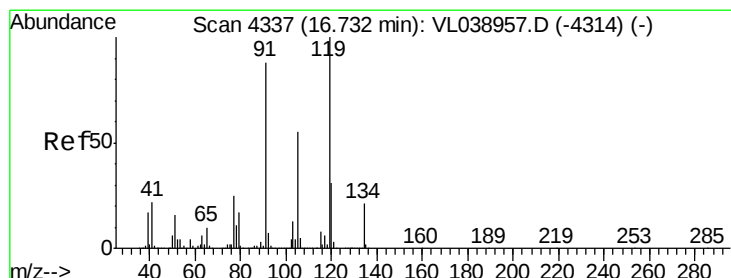
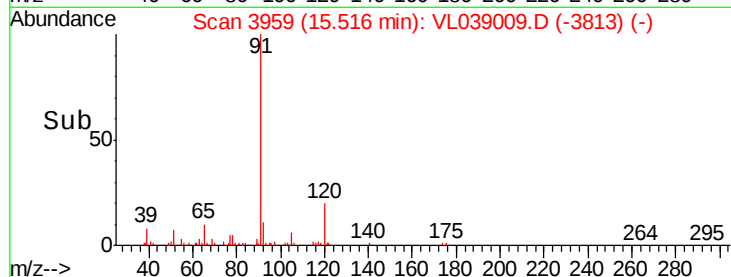
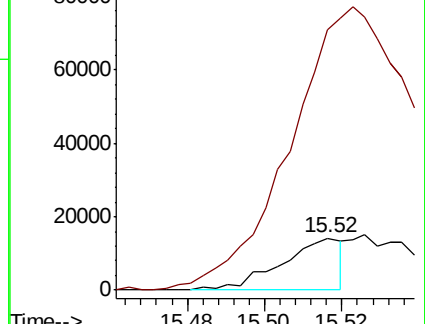
120 100

91 0.0 400.6 601.0#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.144 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. -0.01 min

Lab File: VL039009.D

Acq: 10 May 2022 5:40

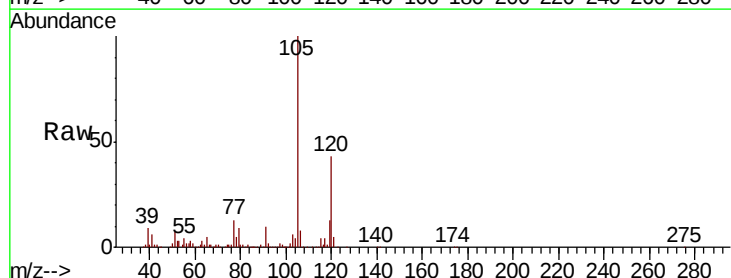
Tgt Ion:119 Resp: 56578

Ion Ratio Lower Upper

119 100

91 151.0 69.4 104.2#

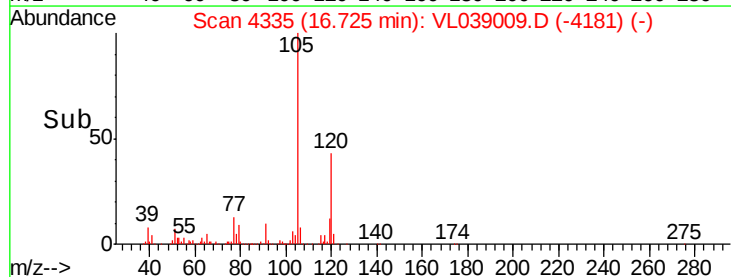
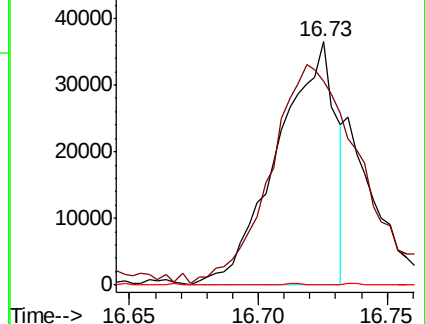
134 0.0 15.8 23.8#

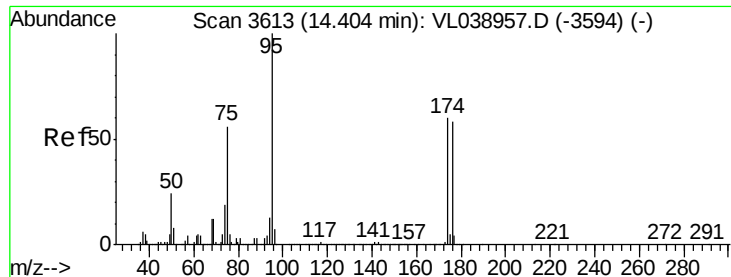


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.266 ppbv

RT: 14.38

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 May 2022 5:40

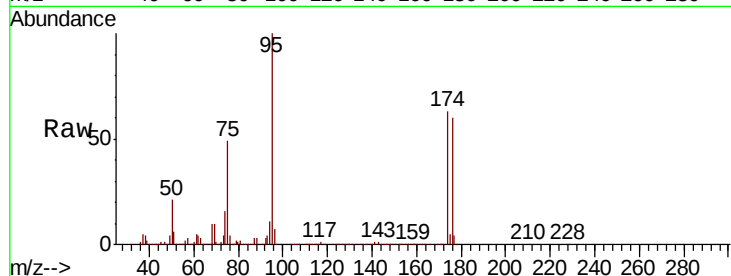
Tot Ion: 95 Resp: 1939903

Ion Ratio Lower Upper

95 100

174 67.2 50.8 76.2

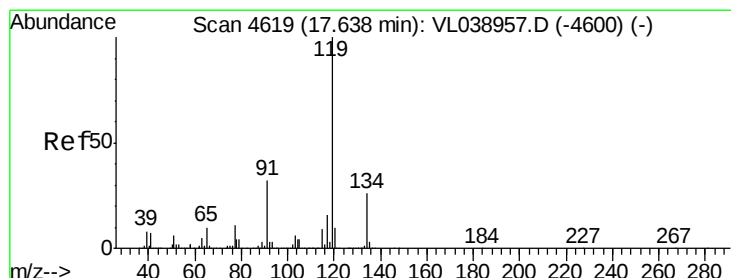
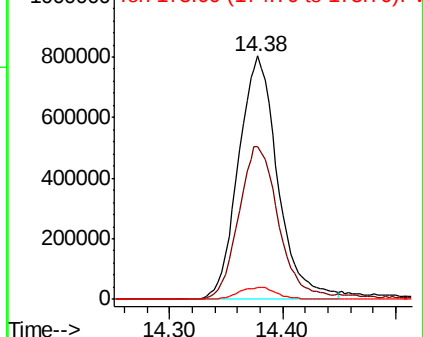
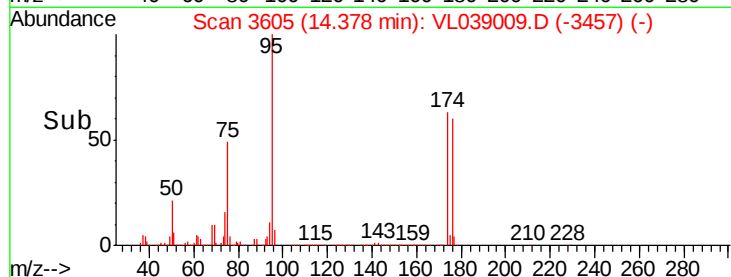
175 5.0 3.8 5.6



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: 0.032 ppbv

RT: 17.61 min Scan# 4609

Delta R.T. -0.03 min

Lab File: VL039009.D

Acq: 10 May 2022 5:40

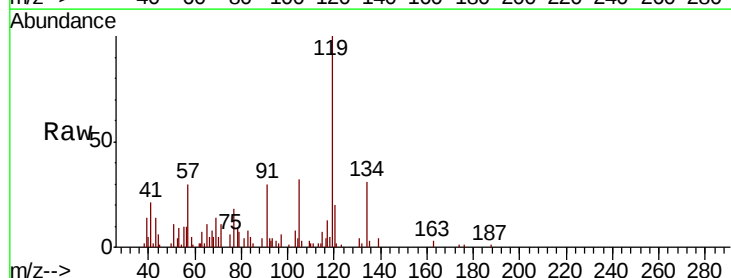
Tgt Ion: 119 Resp: 14685

Ion Ratio Lower Upper

119 100

134 73.2 20.0 30.0#

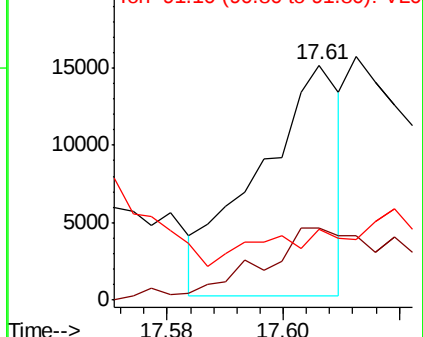
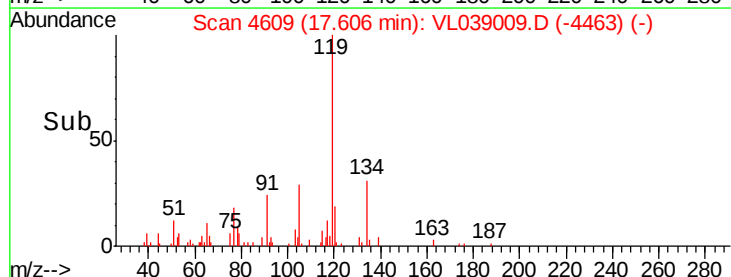
91 0.0 24.8 37.2#

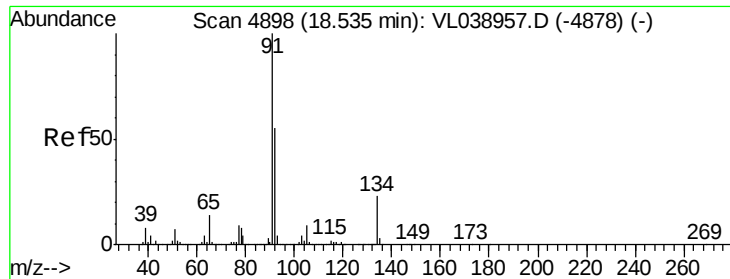


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

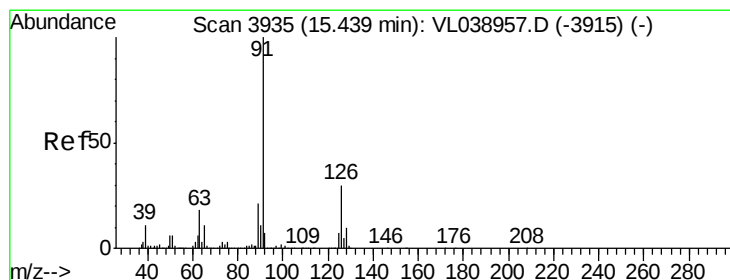
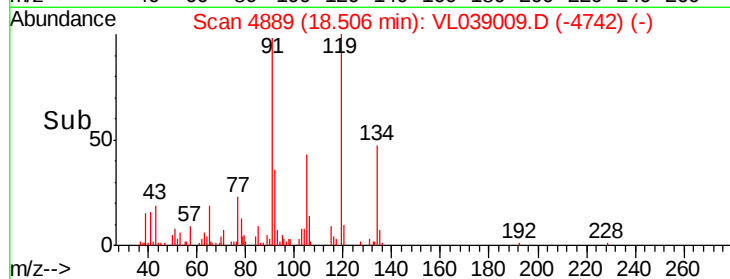
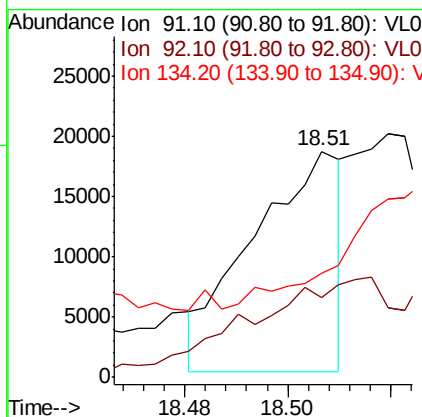
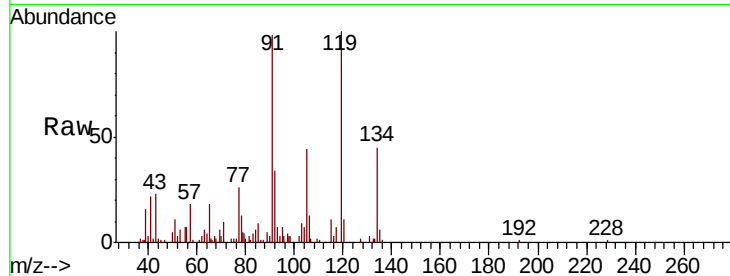
Ion 91.10 (90.80 to 91.80): VL0





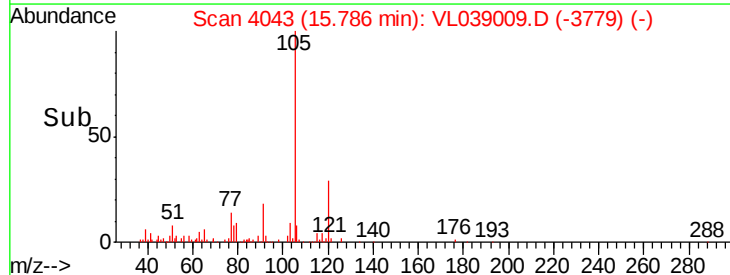
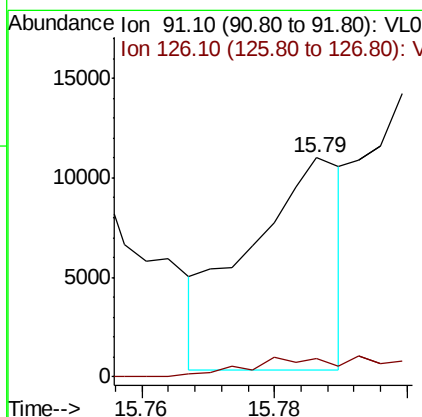
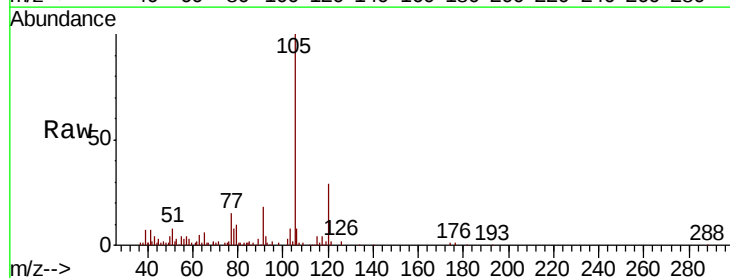
#70
n-Butylbenzene
Concen: 0.046 ppbv
RT: 18.51 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 10 May 2022 5:40

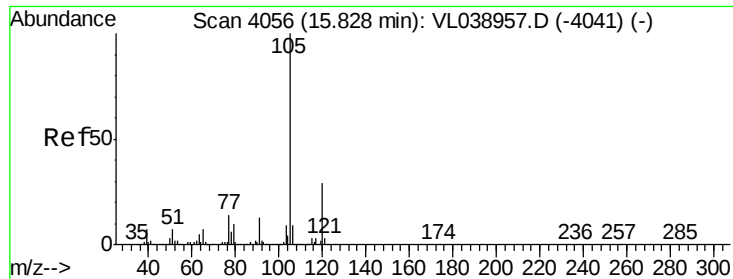
Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.1	64.7#
134	0.0	17.0	25.4#



#71
2-Chlorotoluene
Concen: 0.030 ppbv
RT: 15.79 min Scan# 4043
Delta R.T. 0.35 min
Lab File: VL039009.D
Acq: 10 May 2022 5:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	20.9	11.9	47.5





#72

4-Ethyltoluene

Concen: 0.618 ppbv

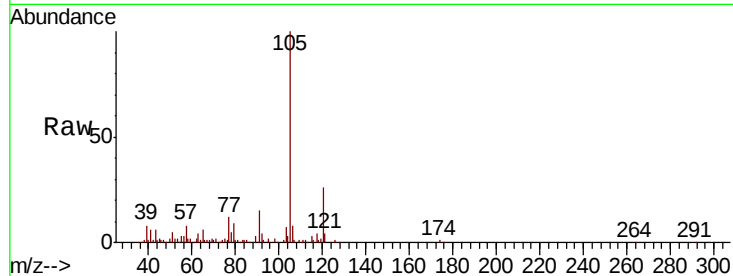
RT: 15.80

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 5:40

Tot Ion:	105	Resp:	215227
Ion	Ratio	Lower	Upper
105	100		
120	32.1	23.4	35.0
91	15.2	10.6	16.0
77	12.6	12.5	18.7

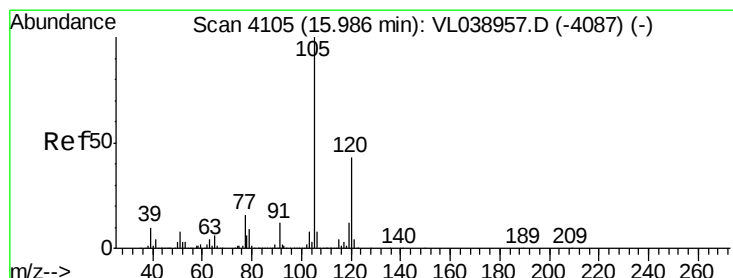
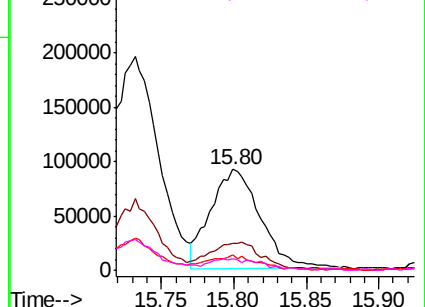
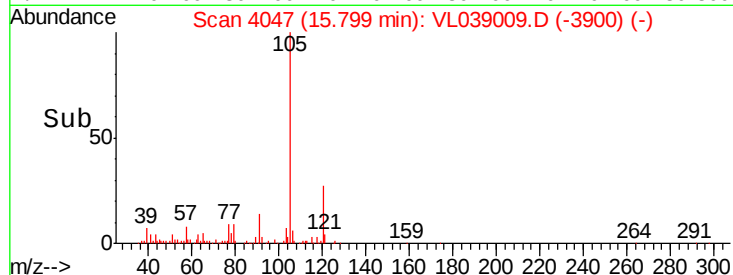


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.570 ppbv

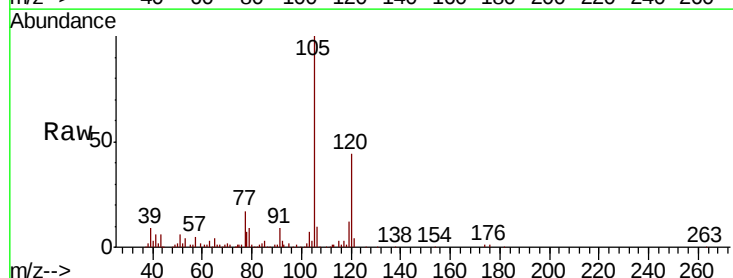
RT: 15.96 min Scan# 4097

Delta R.T. -0.03 min

Lab File: VL039009.D

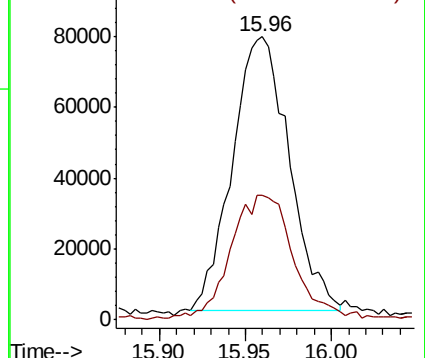
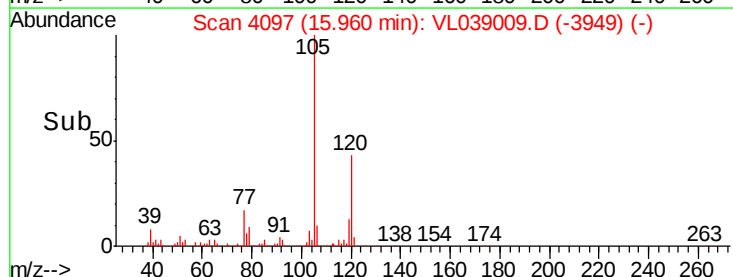
Acq: 10 May 2022 5:40

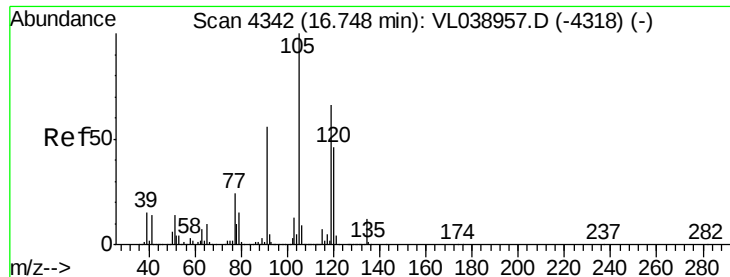
Tgt Ion:	105	Resp:	178634
Ion	Ratio	Lower	Upper
105	100		
120	44.0	34.4	51.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 2.097 ppbv

RT: 16.72

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 5:40

Tot Ion:105 Resp: 720164

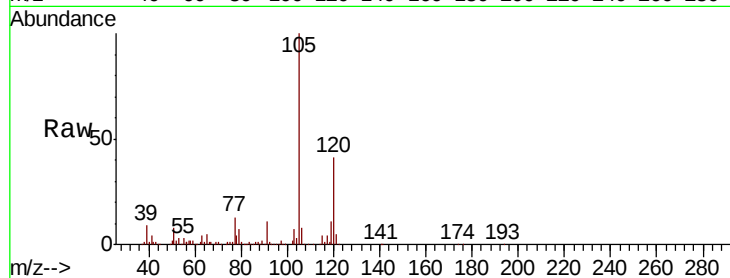
Ion Ratio Lower Upper

105 100

120 40.8 36.9 55.3

91 10.7 45.0 67.4#

77 13.2 19.2 28.8#



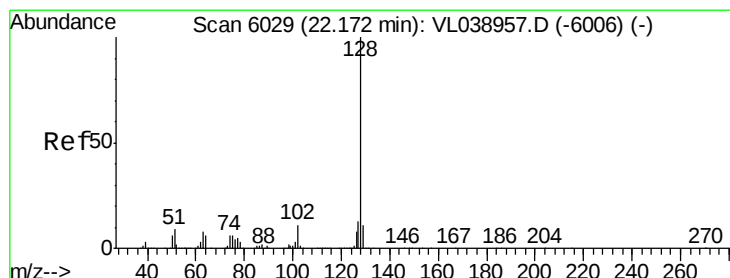
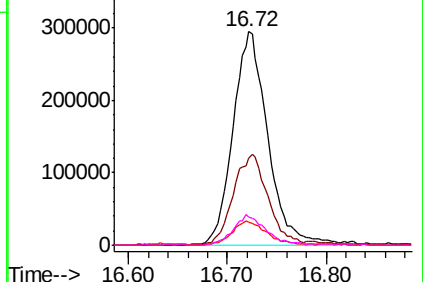
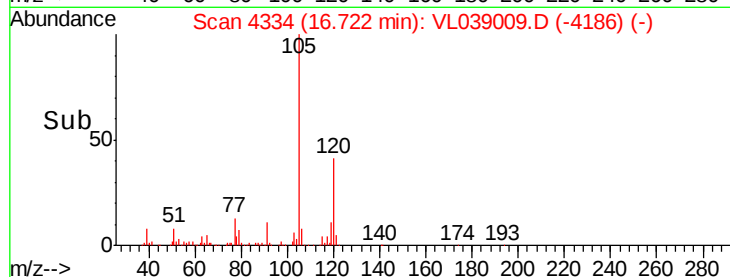
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#79

Naphthalene

Concen: 0.513 ppbv

RT: 22.15 min Scan# 6023

Delta R.T. -0.02 min

Lab File: VL039009.D

Acq: 10 May 2022 5:40

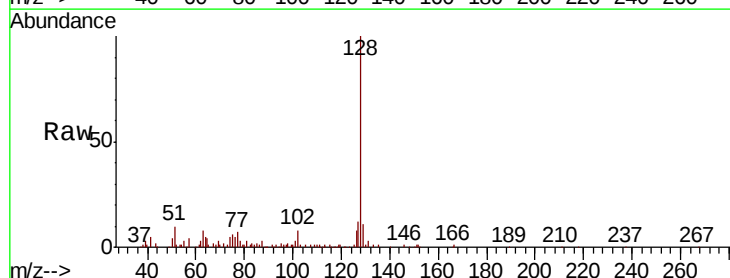
Tgt Ion:128 Resp: 143029

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.2

129 10.0 8.9 13.3

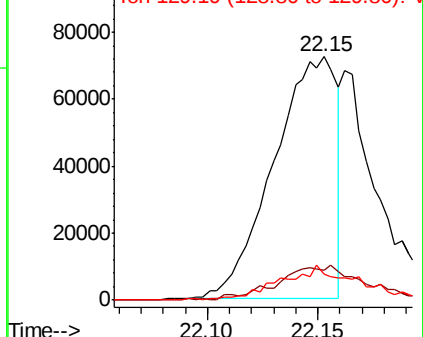
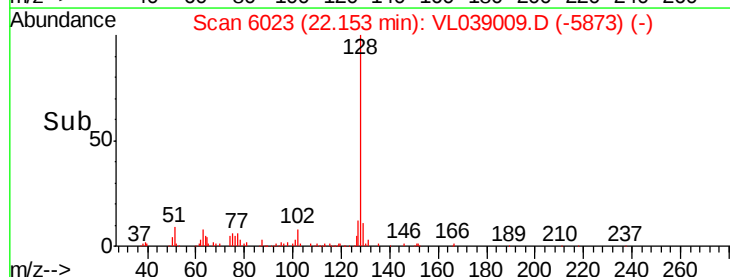


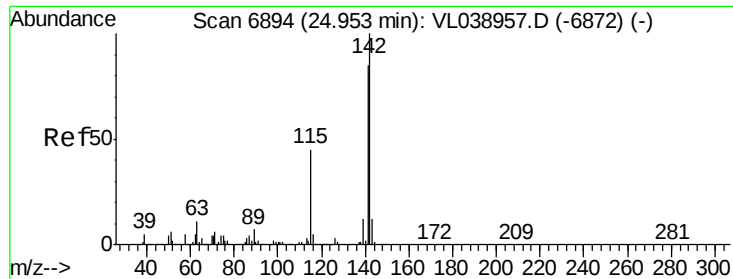
Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80
 Naphthalene, 2-methyl-
 Concen: 0.205 ppbv
 RT: 24.94
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 10 May 2022 3:40

Tot Ion:	142	Resp:	17260
Ion	Ratio	Lower	Upper
142	100		
141	81.5	70.8	106.2
115	54.6	35.1	52.7#

