

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051322\
 Data File : VL039063.D
 Acq On : 14 May 2022 8:36
 Operator : SY/AP
 Sample : N2854-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1161-8.01-IA-1

Quant Time: May 28 01:19:09 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	954594	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2497059	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.06	117	2195838	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	1648772	9.48	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	40296	0.269	ppbv	96
3) Chlorodifluoromethane	2.98	51	535045	4.517	ppbv #	82
4) Chloromethane	3.14	50	42073	0.709	ppbv	90
9) Propene	3.20	41	1236077	23.895	ppbv	95
10) Heptane	8.11	43	374360	2.950	ppbv	97
11) Trichlorofluoromethane	3.94	101	26032	0.203	ppbv	96
13) Ethanol	3.59	45	1707241	466.362	ppbv	89
15) Acetone	3.83	43	2557851	28.406	ppbv #	84
16) 1,3-Butadiene	3.30	39	44537	0.861	ppbv #	9
17) tert-Butyl alcohol	4.30	59	137641	1.989	ppbv #	70
19) Isopropyl Alcohol	3.95	45	1198435	27.992	ppbv #	97
20) Methylene Chloride	4.34	84	38402	1.132	ppbv	98
21) Allyl Chloride	4.36	41	125118	2.039	ppbv #	42
23) Vinyl Acetate	5.05	43	280118	3.932	ppbv #	1
25) Ethyl Acetate	5.67	43	528920	2.454	ppbv #	83
26) Hexane	5.67	57	621288	6.488	ppbv #	44
29) Chloroform	5.74	83	39908	0.258	ppbv	98
30) Cyclohexane	7.11	84	55293	0.690	ppbv #	34
34) 2-Butanone	5.23	43	451832	3.547	ppbv	96
36) Benzene	6.88	78	601581	2.815	ppbv	95
37) 1,2-Dichloroethane	6.29	62	16406	0.124	ppbv #	94
39) 1,2-Dichloropropane	7.16	63	626221	7.531	ppbv #	26
41) Tetrahydrofuran	6.04	42	326017	3.808	ppbv	98
42) Bromodichloromethane	7.78	83	13011	0.072	ppbv #	41
44) 2,2,4-Trimethylpentane	7.85	57	1381958	3.686	ppbv	96
50) 4-Methyl-2-Pentanone	8.74	43	119669	0.536	ppbv	95
51) 2-Hexanone	10.09	43	48316	0.296	ppbv #	30
53) Toluene	9.79	91	6380977	26.641	ppbv	98
58) Ethyl Benzene	12.69	91	1457067	4.611	ppbv	98
59) m/p-Xylene	12.94	91	4321728	16.020	ppbv	93
60) o-Xylene	13.67	91	1523366	6.000	ppbv	99
61) Styrene	13.51	104	21763	0.161	ppbv	92
62) Isopropylbenzene	14.64	105	63438	0.171	ppbv	95
64) n-propylbenzene	15.54	120	62686	0.698	ppbv	88
65) tert-Butylbenzene	16.74	119	116760	0.359	ppbv #	65
66) Benzyl Chloride	16.82	91	1469	0.035	ppbv #	44
67) sec-Butylbenzene	17.57	105	222000	0.478	ppbv #	67
69) p-Isopropyltoluene	17.63	119	19595	0.052	ppbv #	59
70) n-Butylbenzene	18.54	91	28174	0.071	ppbv #	76
71) 2-Chlorotoluene	15.54	91	323350	1.130	ppbv #	45
72) 4-Ethyltoluene	15.81	105	224171	0.775	ppbv #	55

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QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

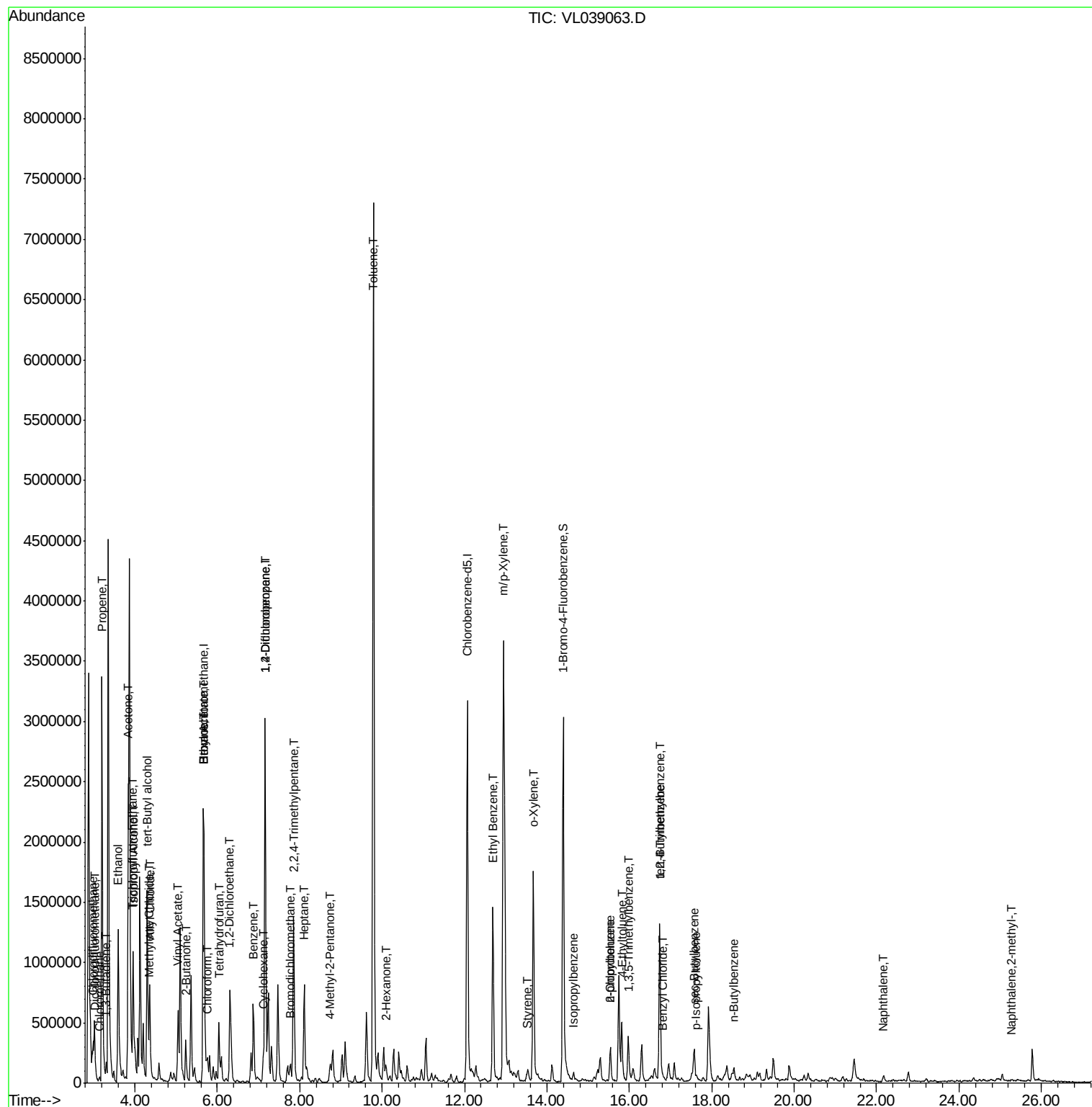
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	15.97	105	288432	1.107	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	1136920	3.986	ppbv #	67
79) Naphthalene	22.17	128	23412	0.101	ppbv #	84
80) Naphthalene,2-methyl-	25.26	142	4053	0.058	ppbv	86

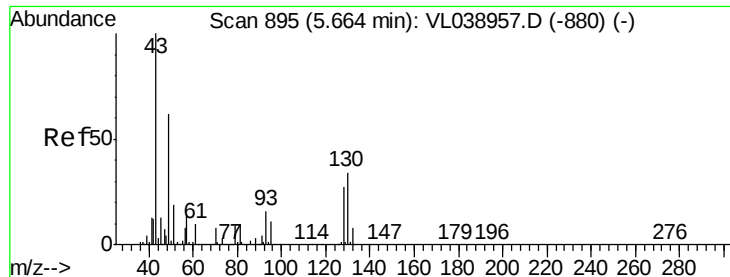
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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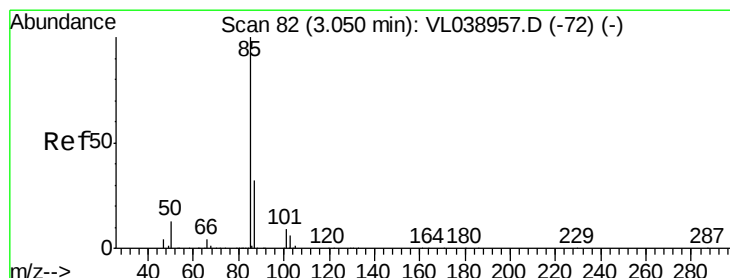
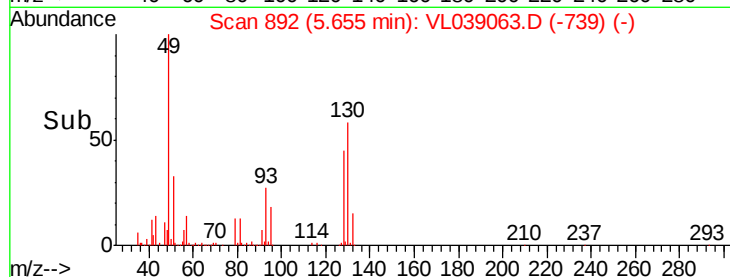
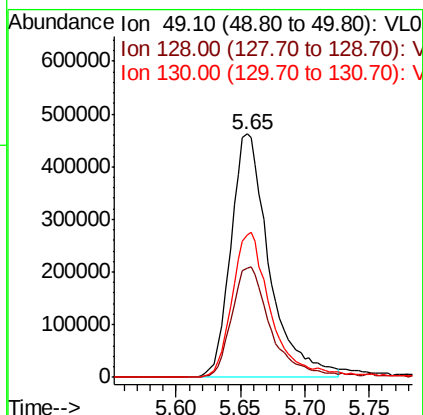
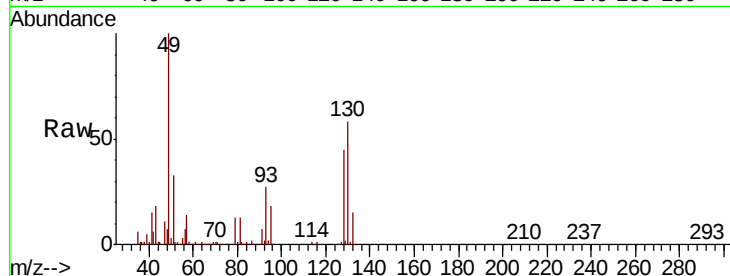
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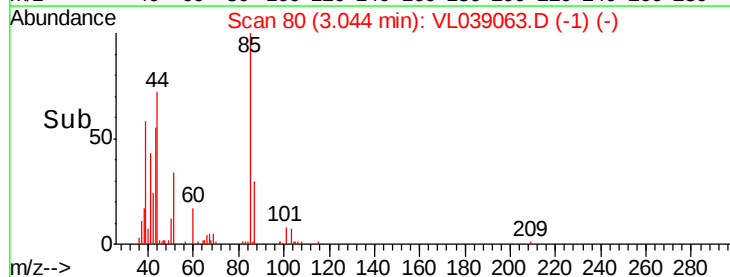
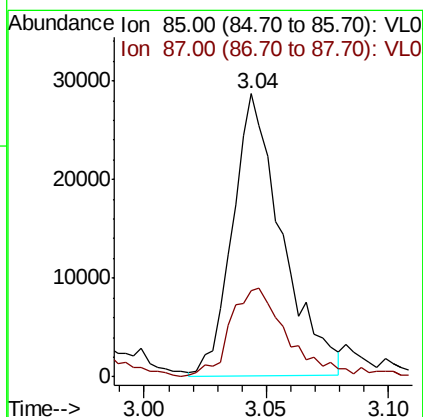
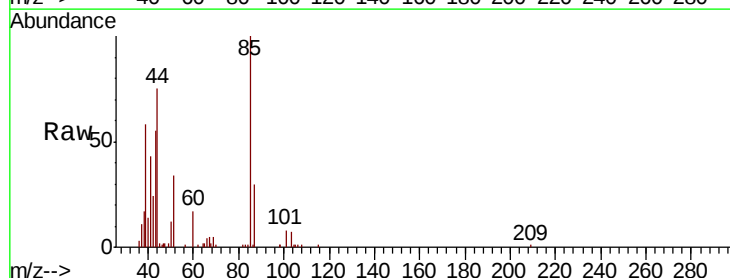
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 14 May 2022 8:30

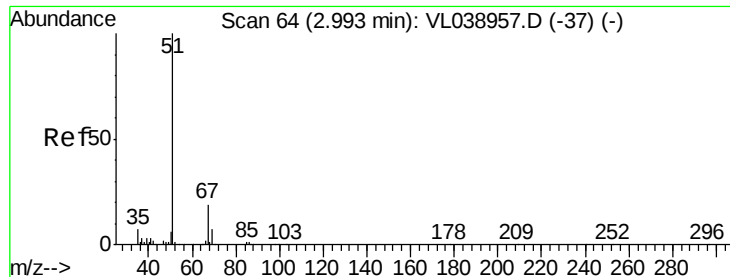
Tot Ion	49	Resp	954594
Ion Ratio	Lower	Upper	
49	100		
128	46.5	23.3	69.8
130	62.0	29.8	89.3



#2
 Dichlorodifluoromethane
 Concen: 0.269 ppbv
 RT: 3.04 min Scan# 80
 Delta R.T.: -0.01 min
 Lab File: VL039063.D
 Acq: 14 May 2022 8:36

Tgt Ion	85	Resp	40296
Ion Ratio	Lower	Upper	
85	100		
87	30.1	25.7	38.5





#3

Chlorodifluoromethane

Concen: 4.517 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: 1161-8.01-A-1

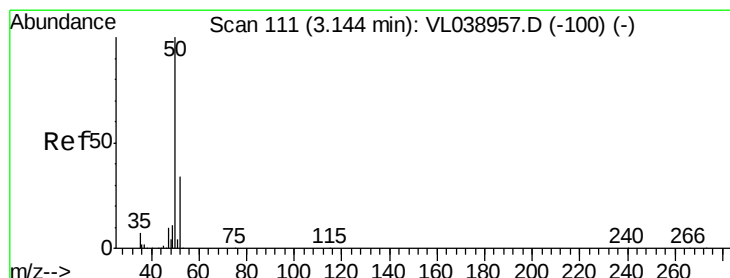
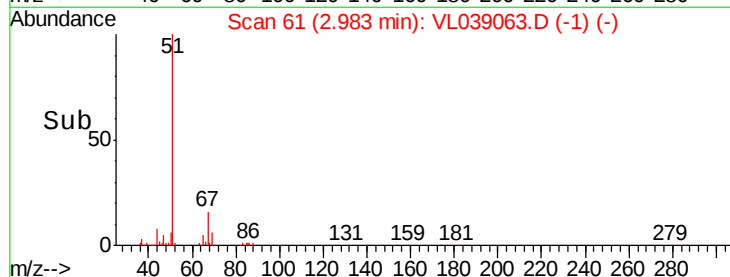
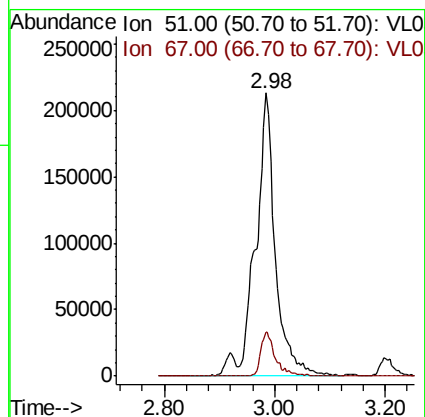
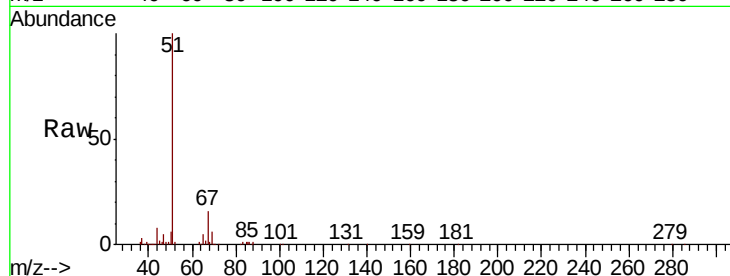
Acq: 14 May 2022 8:30

Tot Ion: 51 Resp: 535045

Ion Ratio Lower Upper

51 100

67 11.6 15.8 23.8#



#4

Chloromethane

Concen: 0.709 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL039063.D

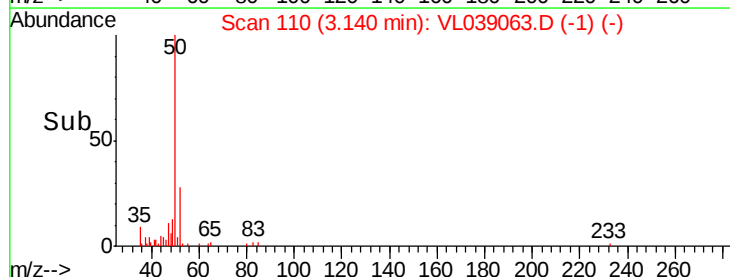
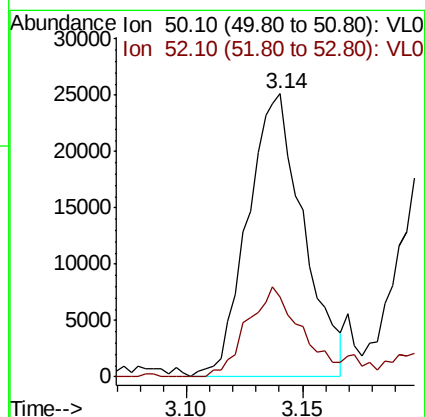
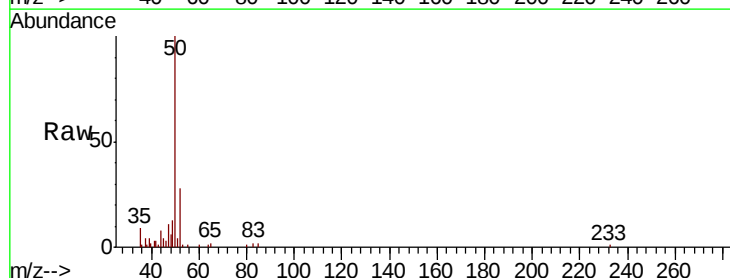
Acq: 14 May 2022 8:36

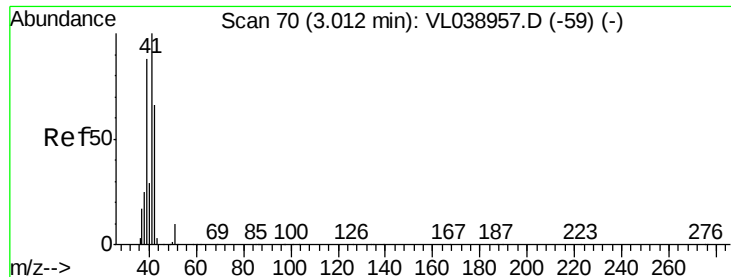
Tgt Ion: 50 Resp: 42073

Ion Ratio Lower Upper

50 100

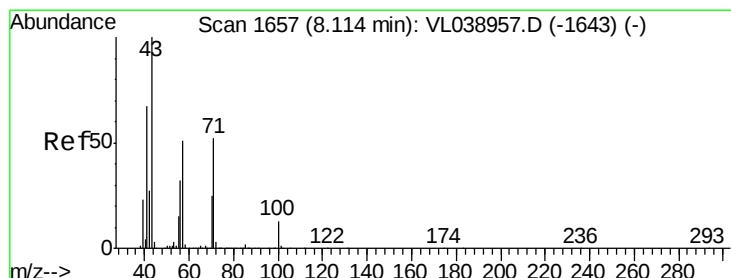
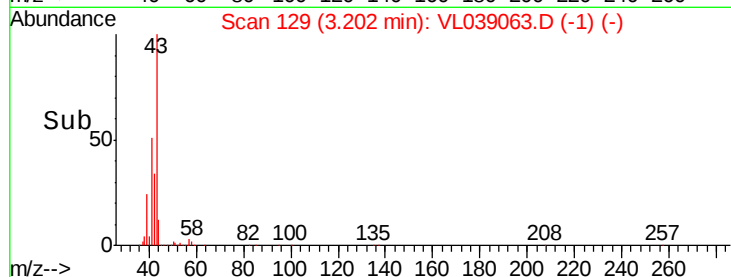
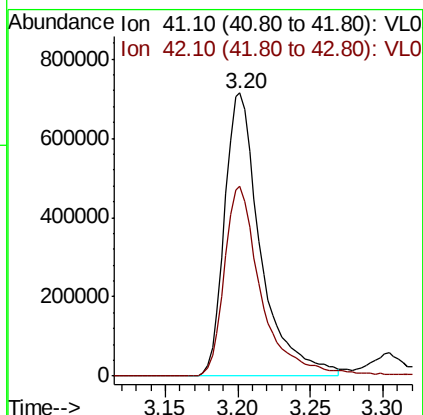
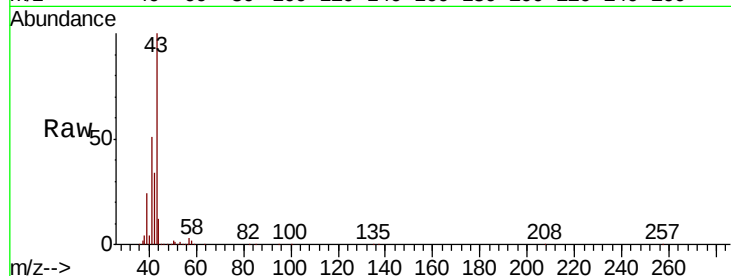
52 28.3 27.3 40.9





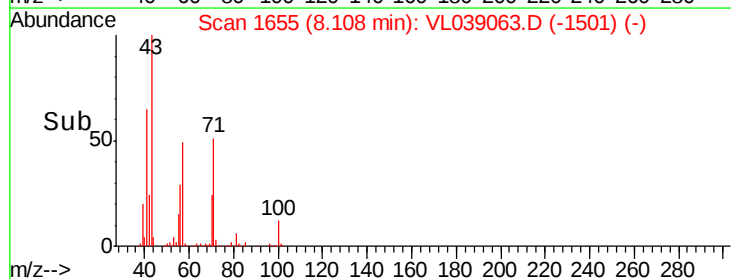
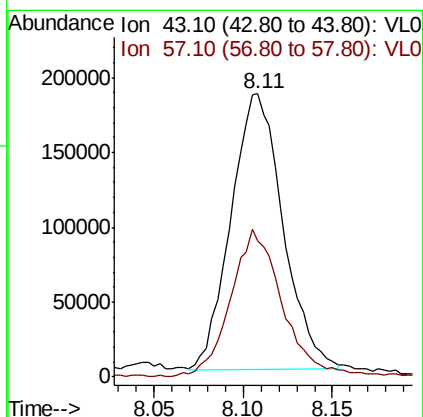
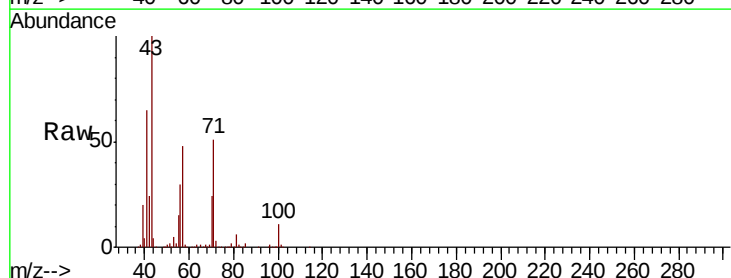
#9
 Propene
 Concen: 23.895 ppbv
 RT: 3.20
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 1161-8.01-A-1
 Acq: 14 May 2022 8:30

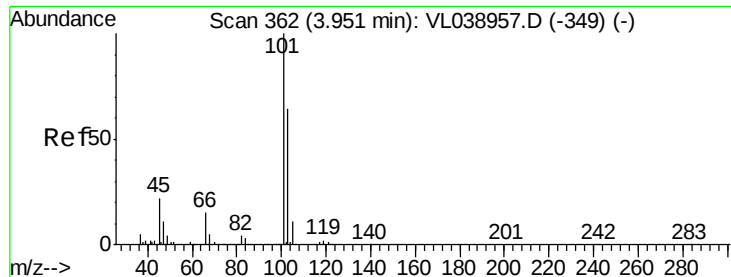
Tot Ion: 41 Resp: 1236077
 Ion Ratio Lower Upper
 41 100
 42 68.8 58.3 87.5



#10
 Heptane
 Concen: 2.950 ppbv
 RT: 8.11 min Scan# 1655
 Delta R.T. -0.01 min
 Lab File: VL039063.D
 Acq: 14 May 2022 8:36

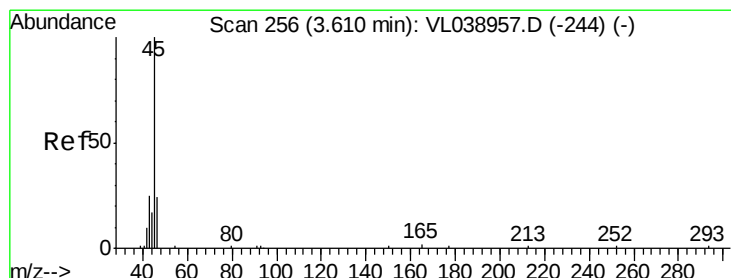
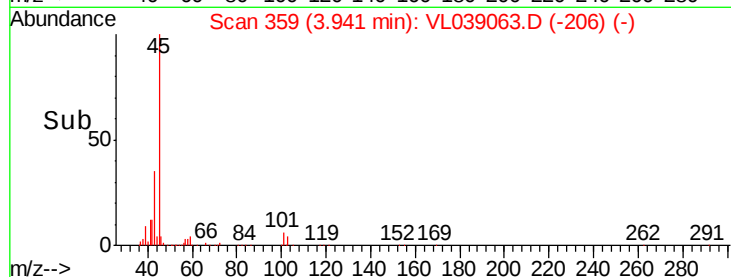
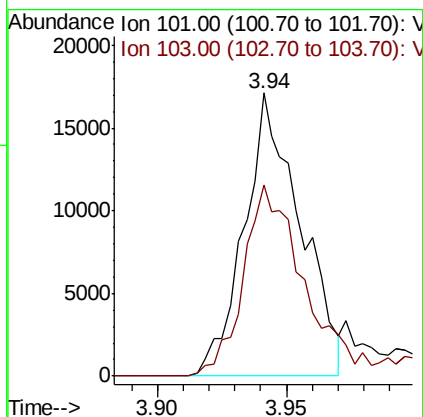
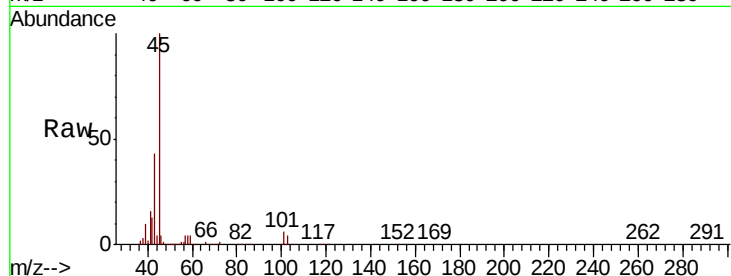
Tgt Ion: 43 Resp: 374360
 Ion Ratio Lower Upper
 43 100
 57 52.5 40.5 60.7





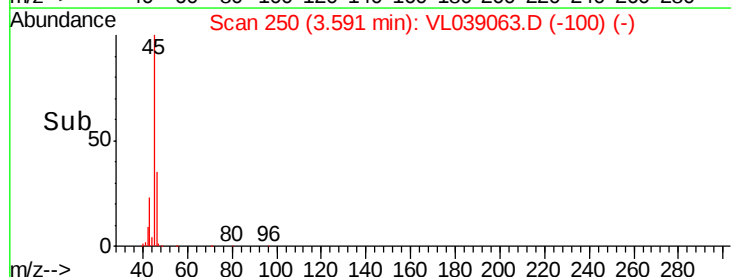
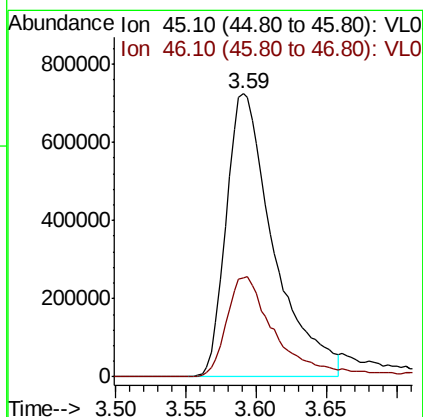
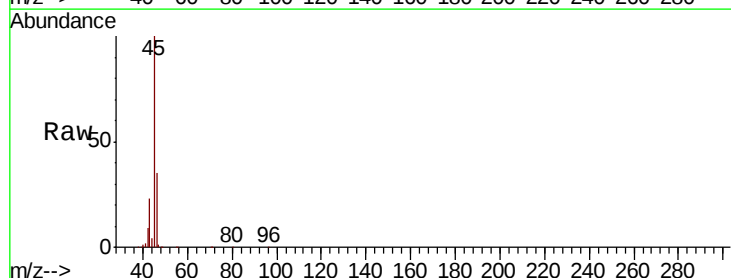
#11
 Trichlorofluoromethane
 Concen: 0.203 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : 1161-8.01-A-1
 Acq: 14 May 2022 8:30

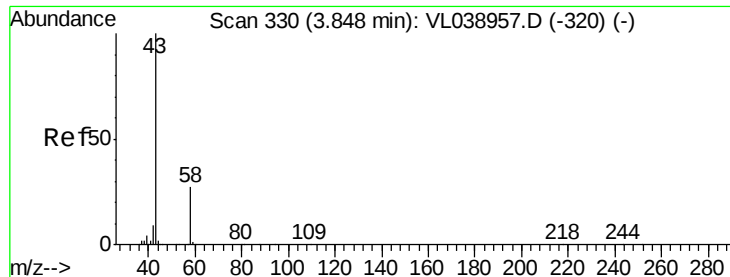
Tot Ion: 101 Resp: 26032
 Ion Ratio Lower Upper
 101 100
 103 67.7 51.5 77.3



#13
 Ethanol
 Concen: 466.362 ppbv
 RT: 3.59 min Scan# 250
 Delta R.T. -0.02 min
 Lab File: VL039063.D
 Acq: 14 May 2022 8:36

Tgt Ion: 45 Resp: 1707241
 Ion Ratio Lower Upper
 45 100
 46 37.9 18.0 72.2





#15

Acetone

Concen: 28.406 ppbv

RT: 3.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

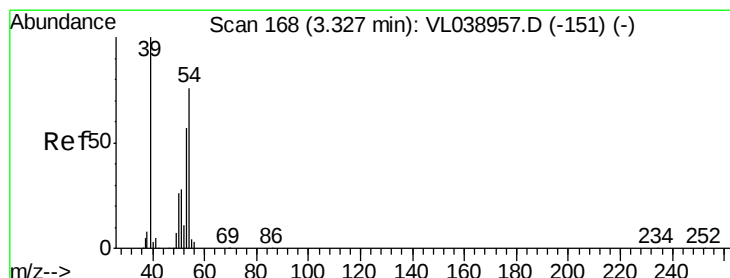
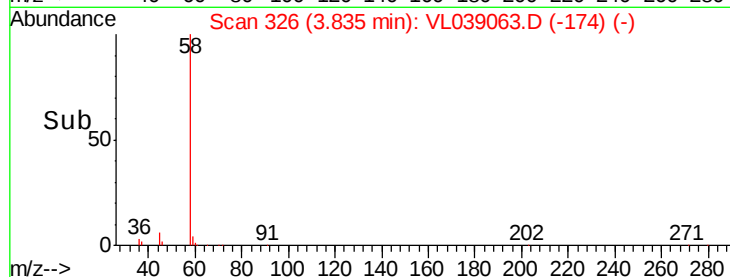
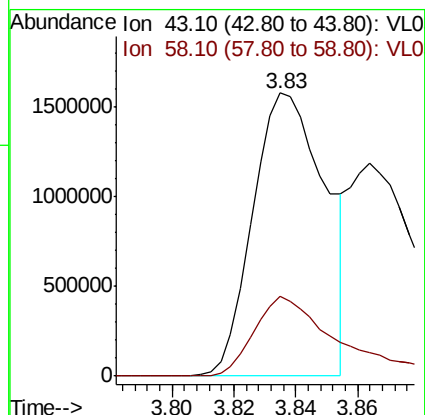
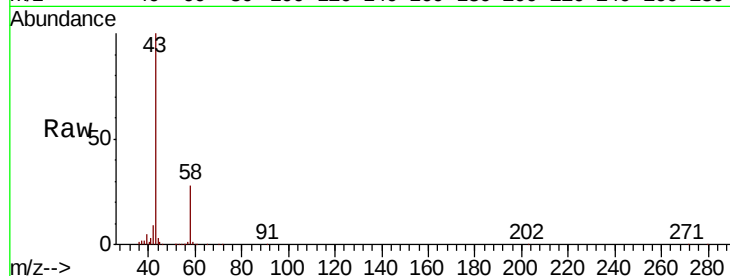
Acq: 14 May 2022 8:30

Tot Ion: 43 Resp: 2557851

Ion Ratio Lower Upper

43 100

58 34.8 21.3 31.9#



#16

1,3-Butadiene

Concen: 0.861 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.03 min

Lab File: VL039063.D

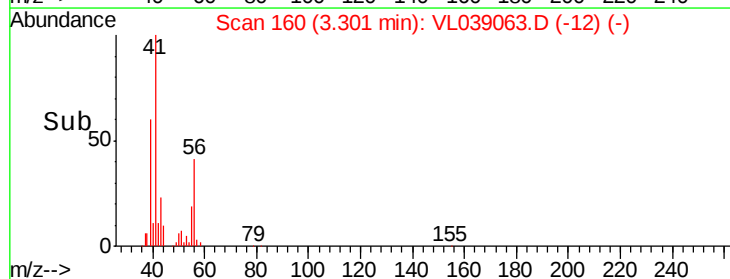
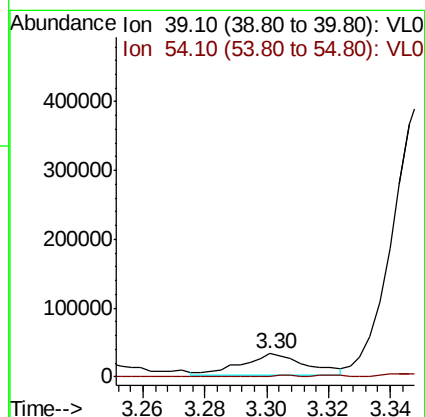
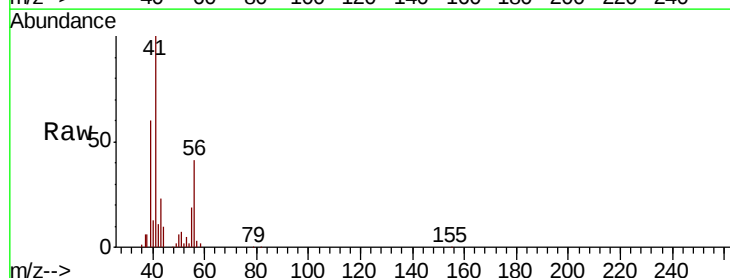
Acq: 14 May 2022 8:36

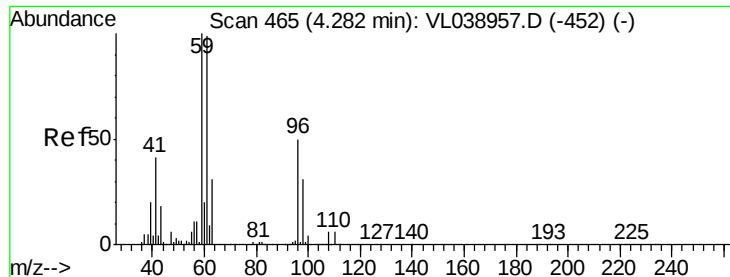
Tgt Ion: 39 Resp: 44537

Ion Ratio Lower Upper

39 100

54 0.0 65.2 97.8#





#17

tert-Butyl alcohol

Concen: 1.989 ppbv

RT: 4.30 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

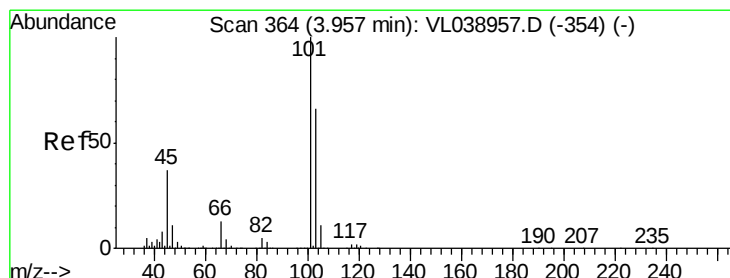
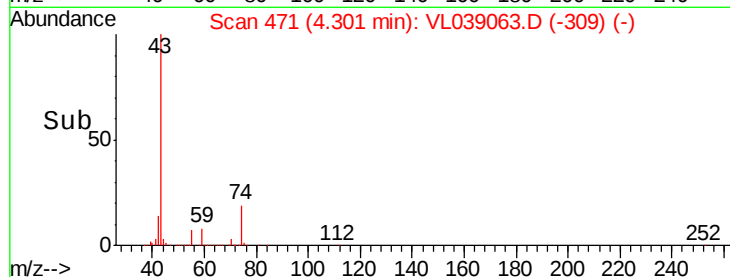
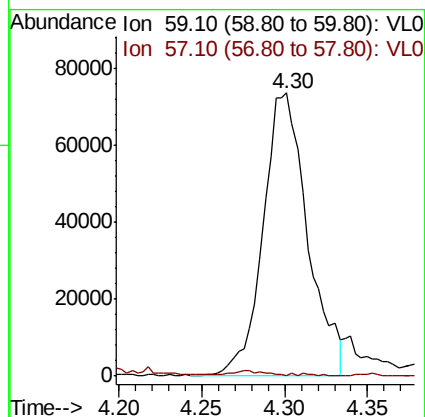
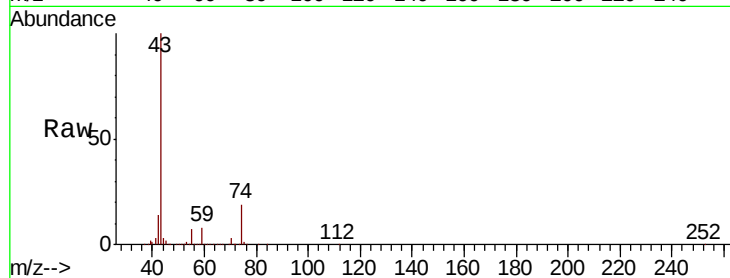
Acq: 14 May 2022 8:30

Tot Ion: 59 Resp: 137641

Ion Ratio Lower Upper

59 100

57 0.0 9.2 13.8#



#19

Isopropyl Alcohol

Concen: 27.992 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL039063.D

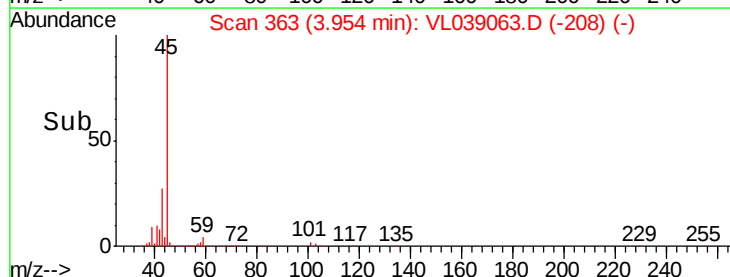
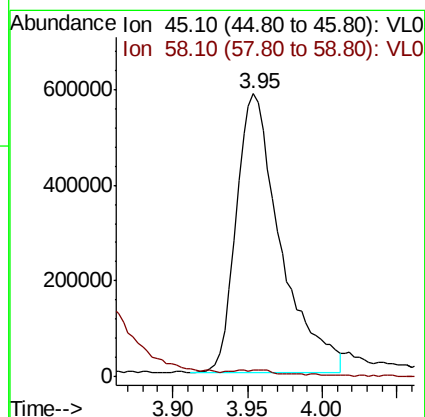
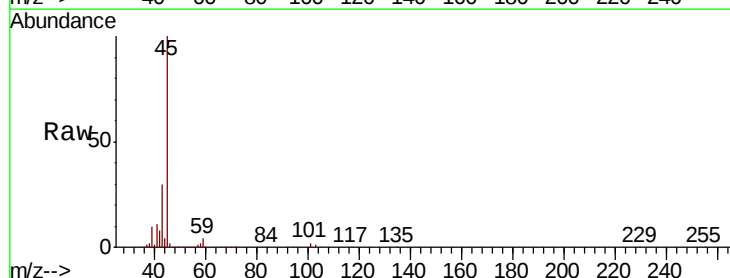
Acq: 14 May 2022 8:36

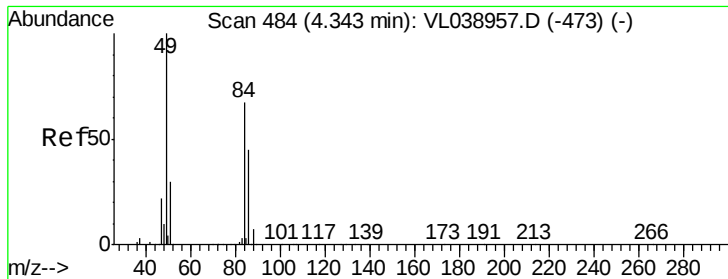
Tgt Ion: 45 Resp: 1198435

Ion Ratio Lower Upper

45 100

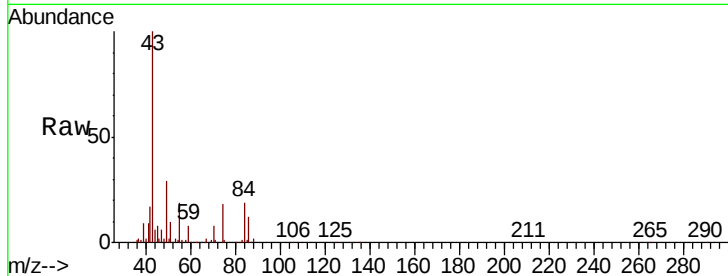
58 2.9 1.4 2.2#





#20
Methylene Chloride
Concen: 1.132 ppbv
RT: 4.34 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 14 May 2022 8:30

Tot Ion:	84	Resp:	38402
Ion	Ratio	Lower	Upper
84	100		
49	149.7	119.9	179.9
51	44.6	35.7	53.5
86	60.3	53.8	80.6



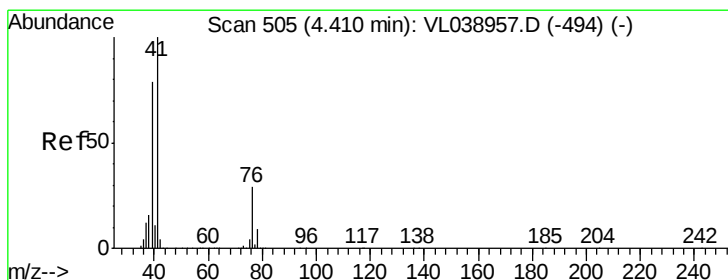
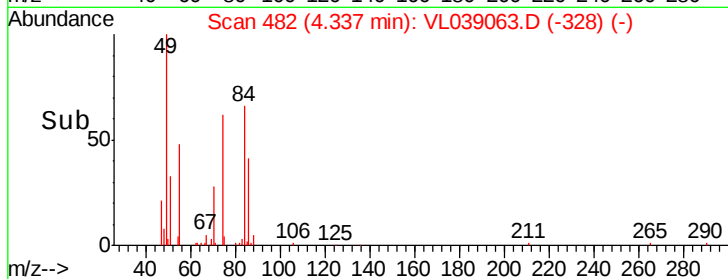
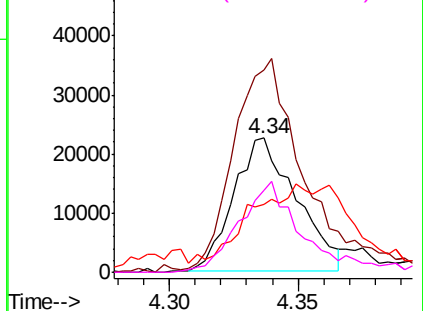
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

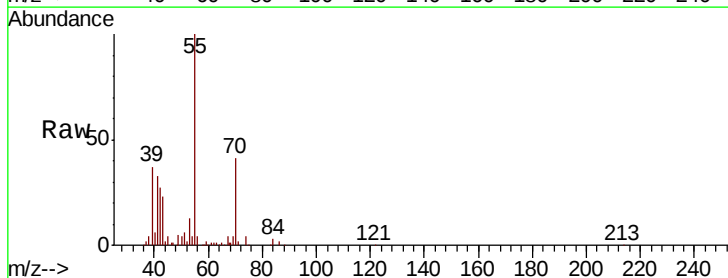
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21
Allyl Chloride
Concen: 2.039 ppbv
RT: 4.36 min Scan# 489
Delta R.T. -0.05 min
Lab File: VL039063.D
Acq: 14 May 2022 8:36

Tgt Ion:	41	Resp:	125118
Ion	Ratio	Lower	Upper
41	100		
76	0.1	24.2	36.4#
39	132.0	63.8	95.8#

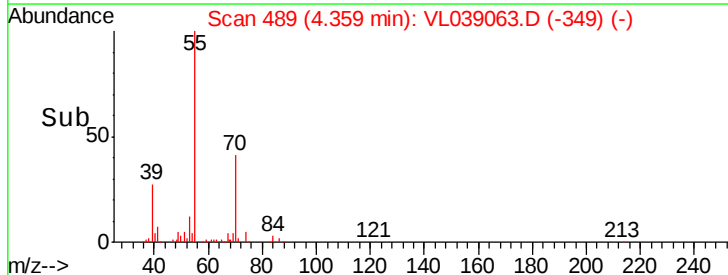
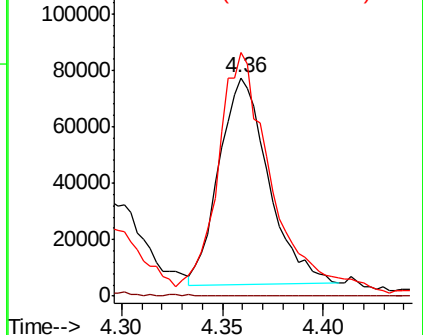


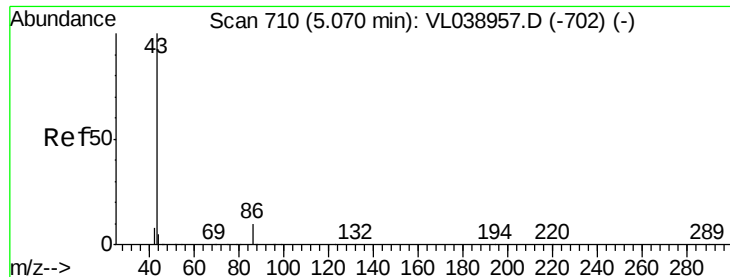
Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 3.932 ppbv

RT: 5.05 Instrument: MSVOA_1

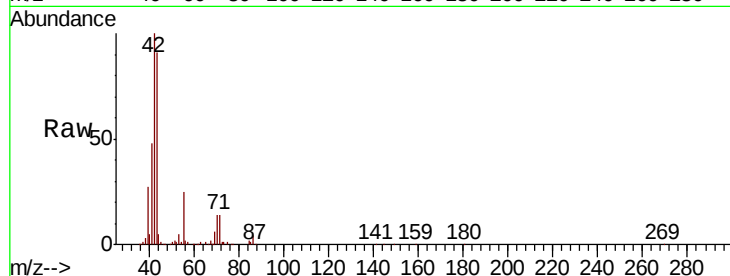
Delta R.T.

Lab File: ClientSampleId:

Acq: 14 May 2022 8:30

Tot Ion: 43 Resp: 280118

Ion	Ratio	Lower	Upper
43	100		
86	4.9	6.6	9.8#
42	110.8	8.1	12.1#
44	3.9	3.5	5.3

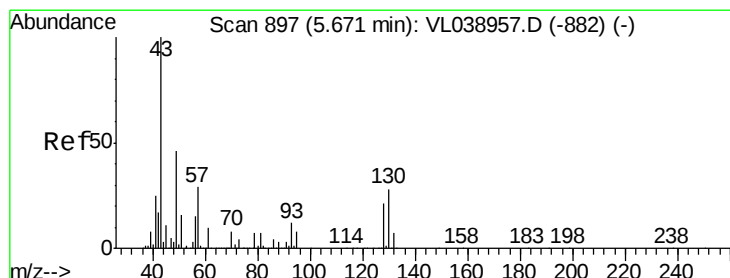
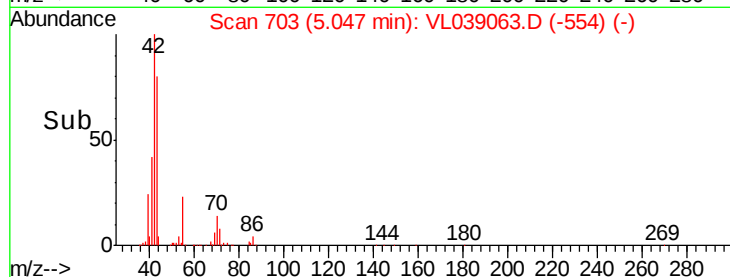
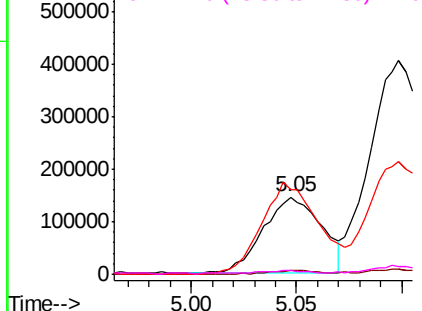


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.454 ppbv

RT: 5.67 min Scan# 898

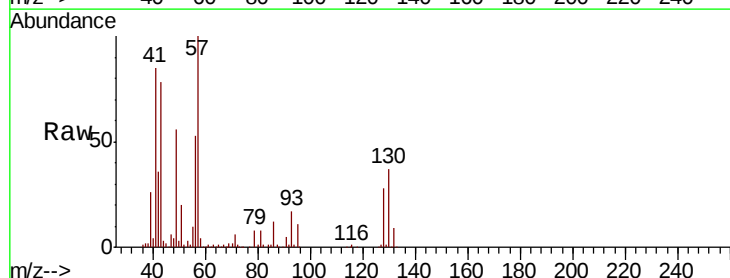
Delta R.T. 0.00 min

Lab File: VL039063.D

Acq: 14 May 2022 8:36

Tgt Ion: 43 Resp: 528920

Ion	Ratio	Lower	Upper
43	100		
45	3.4	8.1	12.1#
61	2.3	7.8	11.6#
70	3.0	5.6	8.4#

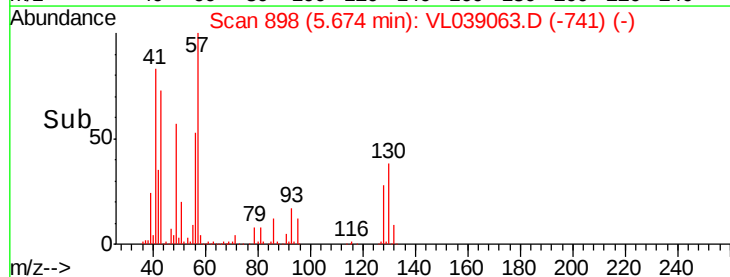
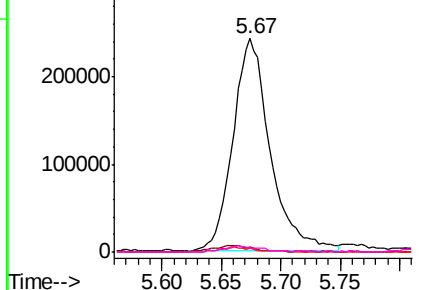


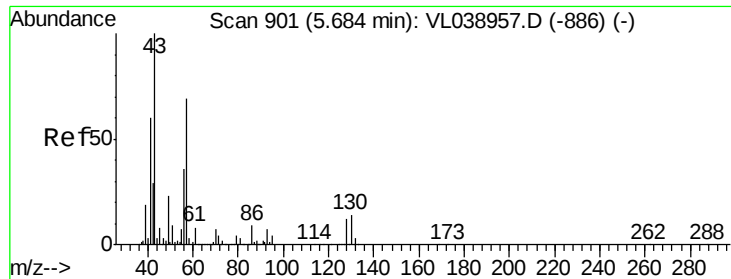
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

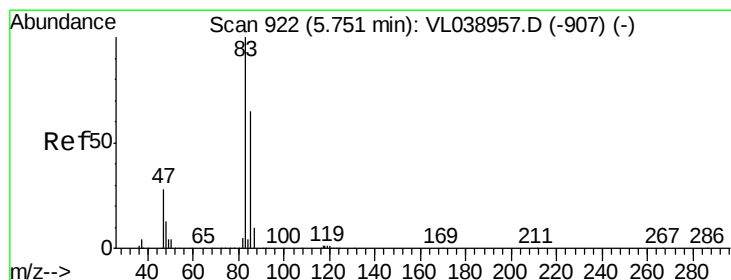
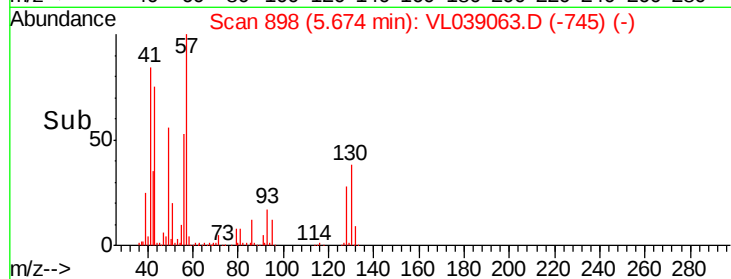
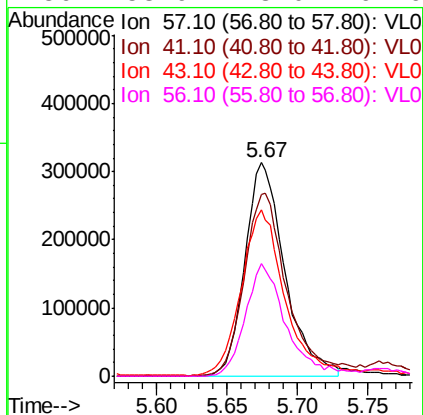
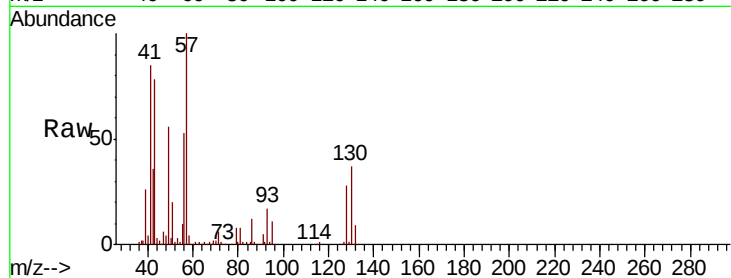
Ion 70.10 (69.80 to 70.80): VL0





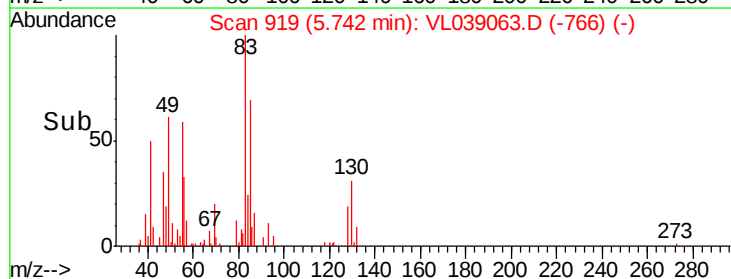
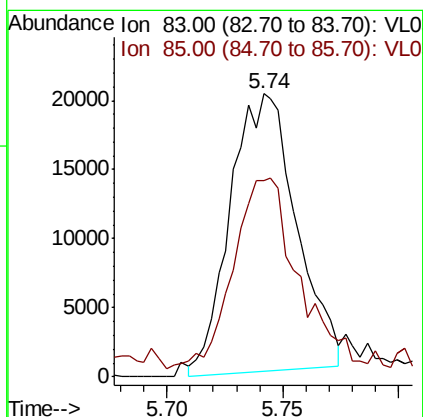
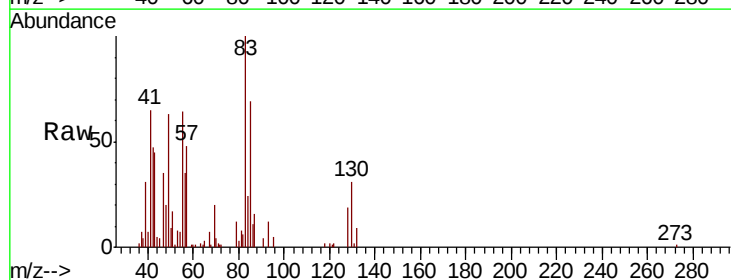
#26
Hexane
Concen: 6.488 ppbv
RT: 5.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 May 2022 8:30

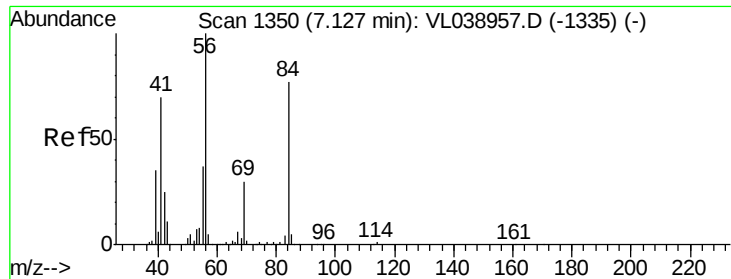
Tot Ion:	57	Resp:	621288
Ion	Ratio	Lower	Upper
57	100		
41	92.3	75.2	112.8
43	86.2	190.8	286.2#
56	53.9	43.0	64.6



#29
Chloroform
Concen: 0.258 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL039063.D
Acq: 14 May 2022 8:36

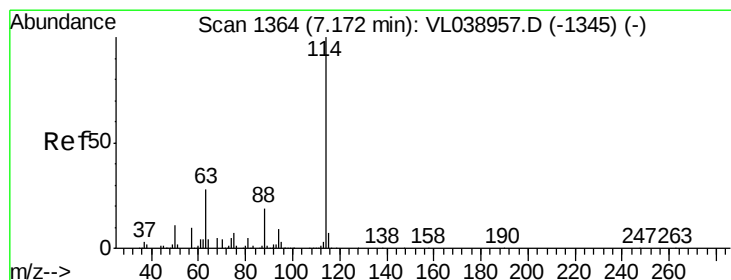
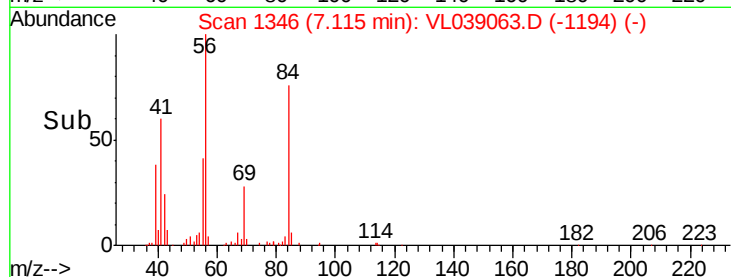
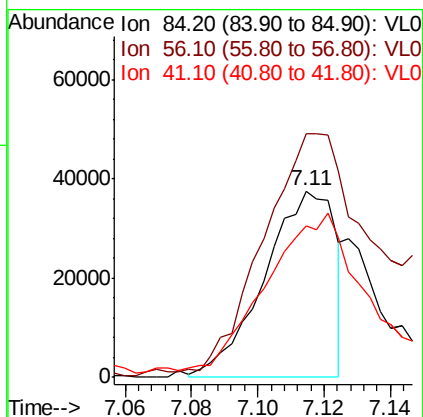
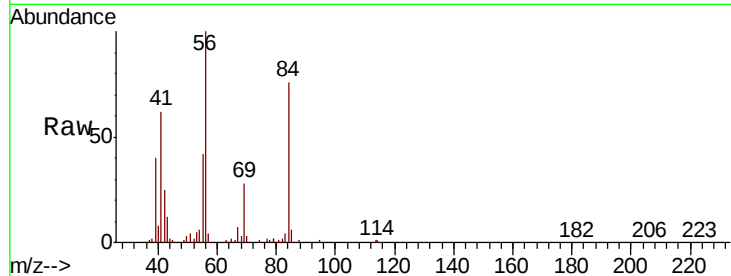
Tgt Ion:	83	Resp:	39908
Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.8	77.6





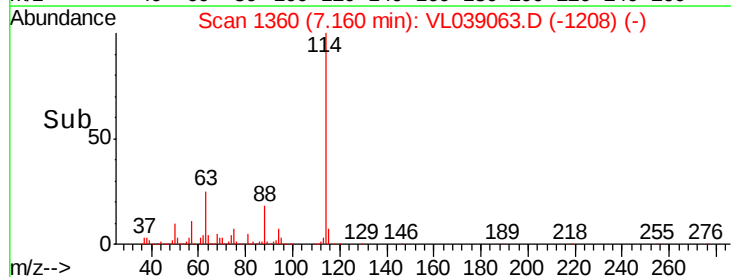
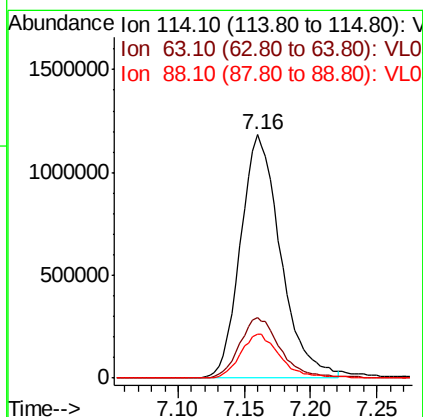
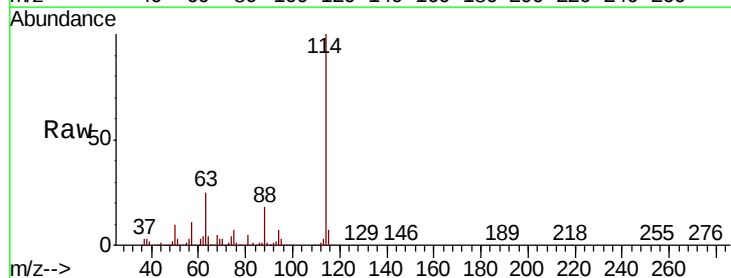
#30
Cyclohexane
Concen: 0.690 ppbv
RT: 7.11 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 May 2022 8:30

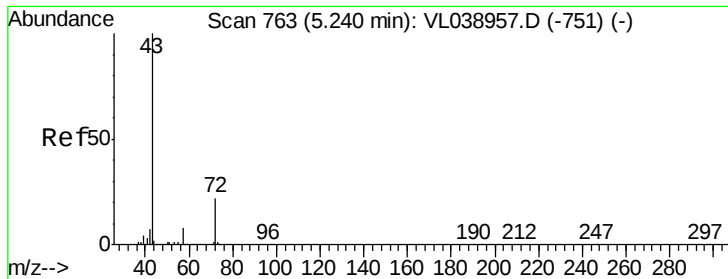
Tot Ion: 84 Resp: 55293
Ion Ratio Lower Upper
84 100
56 202.8 115.3 172.9#
41 0.0 72.0 108.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T.: -0.01 min
Lab File: VL039063.D
Acq: 14 May 2022 8:36

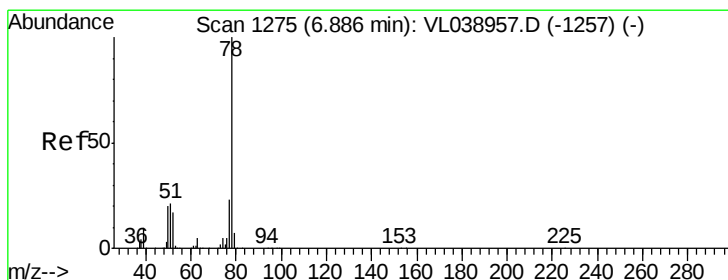
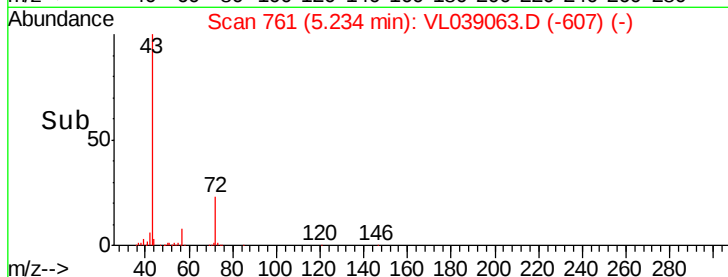
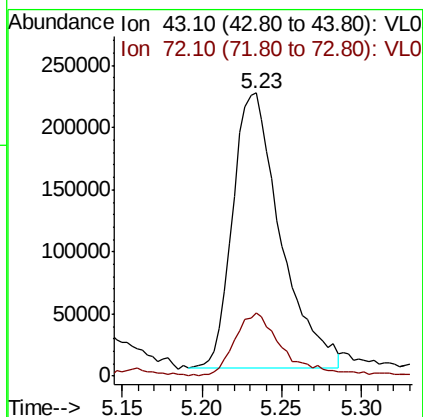
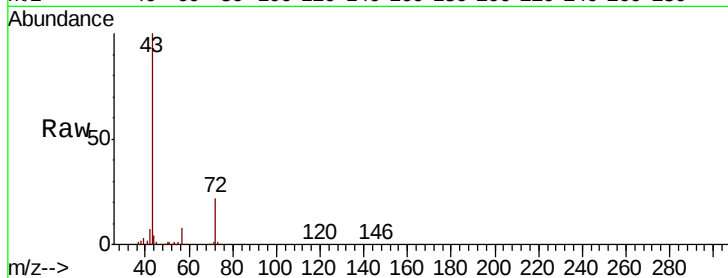
Tgt Ion: 114 Resp: 2497059
Ion Ratio Lower Upper
114 100
63 25.5 22.6 33.8
88 18.3 15.4 23.0





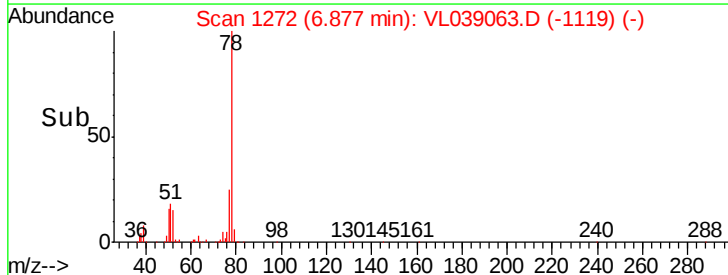
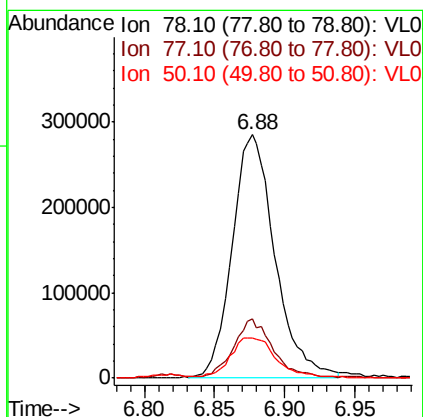
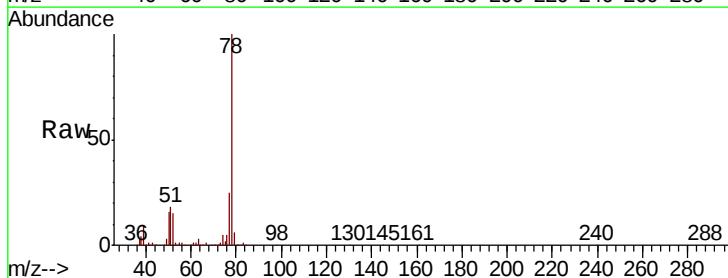
#34
 2-Butanone
 Concen: 3.547 ppbv
 RT: 5.23
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 1161-8.01-A-1
 Acq: 14 May 2022 8:30

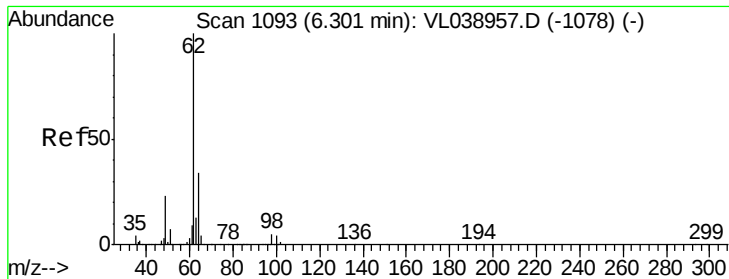
Tot Ion: 43 Resp: 451832
 Ion Ratio Lower Upper
 43 100
 72 24.1 17.8 26.6



#36
 Benzene
 Concen: 2.815 ppbv
 RT: 6.88 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VL039063.D
 Acq: 14 May 2022 8:36

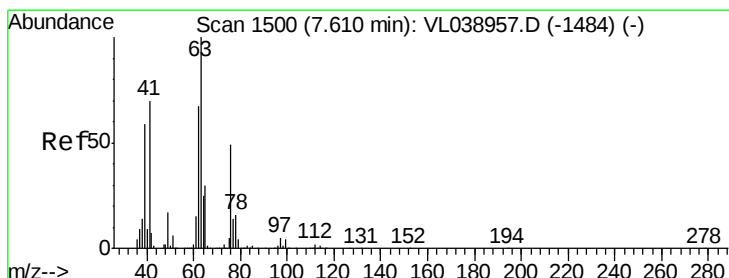
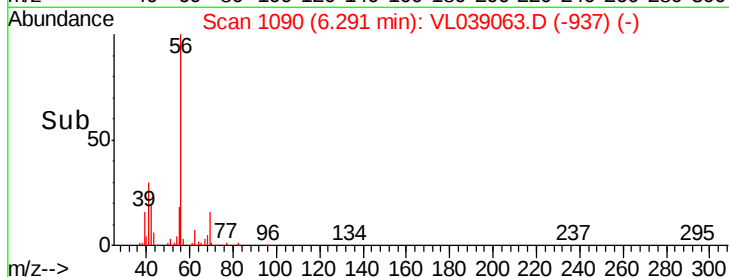
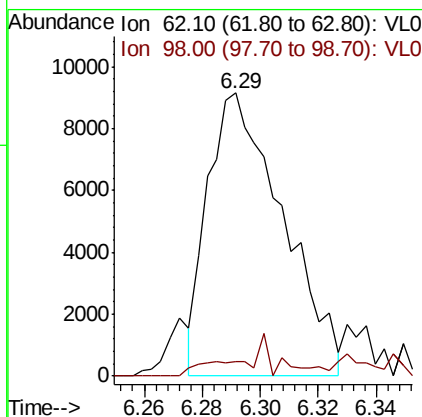
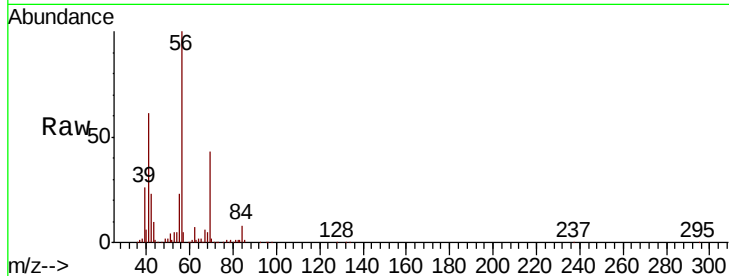
Tgt Ion: 78 Resp: 601581
 Ion Ratio Lower Upper
 78 100
 77 24.4 18.6 28.0
 50 15.8 15.6 23.4





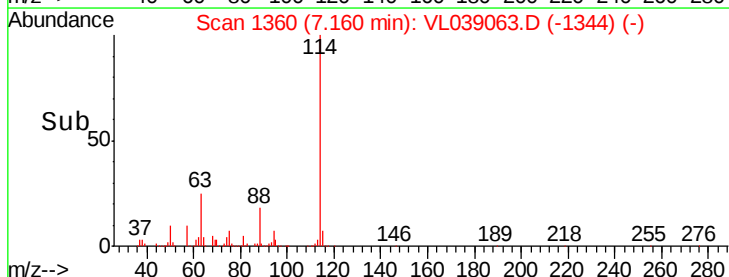
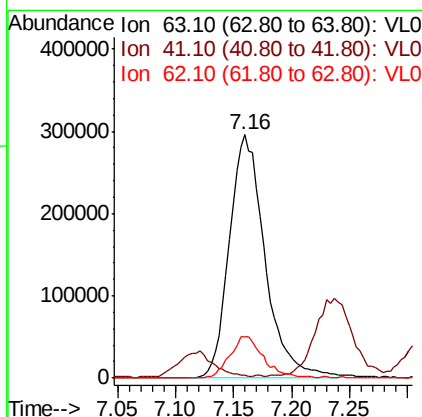
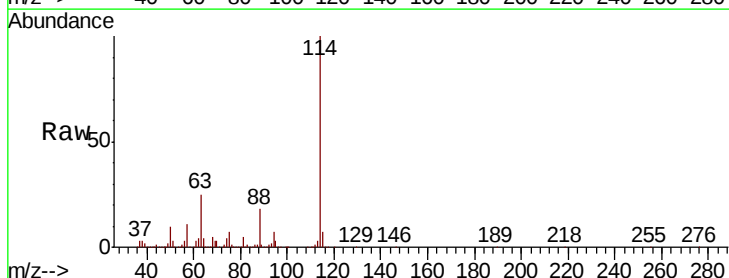
#37
 1,2-Dichloroethane
 Concen: 0.124 ppbv
 RT: 6.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : 1161-8.01-A-1
 Acq: 14 May 2022 8:30

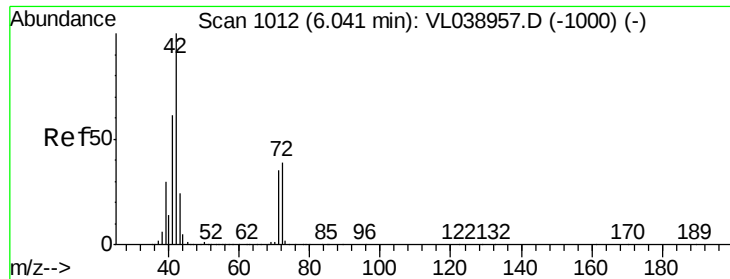
Tot Ion: 62 Resp: 16406
 Ion Ratio Lower Upper
 62 100
 98 7.5 4.5 6.7#



#39
 1,2-Dichloropropane
 Concen: 7.531 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.45 min
 Lab File: VL039063.D
 Acq: 14 May 2022 8:36

Tgt Ion: 63 Resp: 626221
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.9 83.9#
 62 16.8 53.8 80.6#





#41

Tetrahydrofuran

Concen: 3.808 ppbv

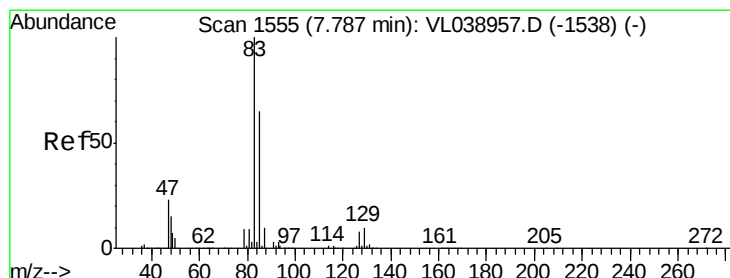
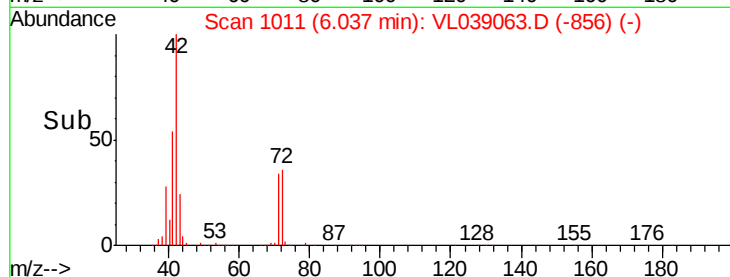
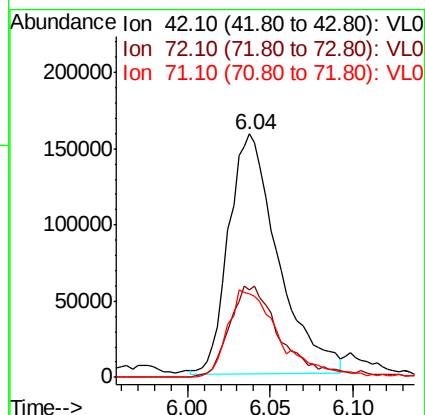
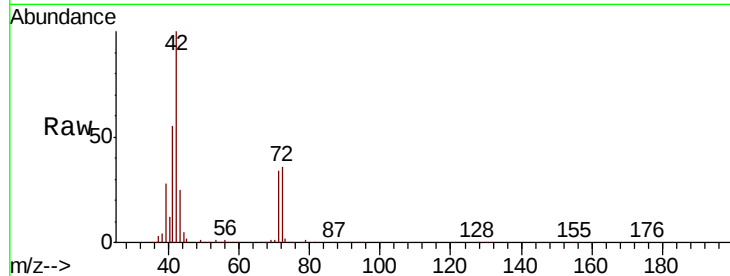
RT: 6.04 Instrument: MSVOA_1

Delta R.T. -0.01 min

Lab File: ClientSampleId: 1161-8.01-A-1

Acq: 14 May 2022 8:30

Tot Ion:	42	Resp:	326017
Ion	Ratio	Lower	Upper
42	100		
72	41.3	31.8	47.6
71	39.0	30.6	45.8



#42

Bromodichloromethane

Concen: 0.072 ppbv

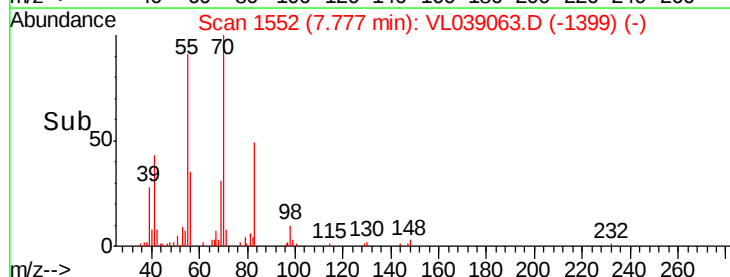
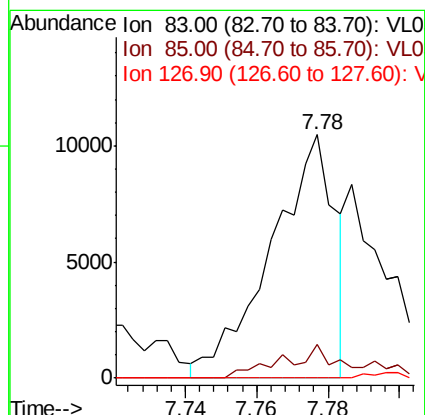
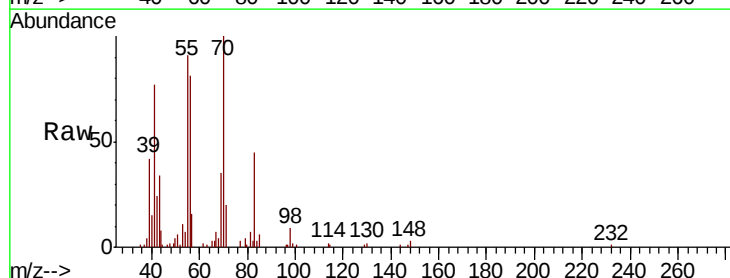
RT: 7.78 min Scan# 1552

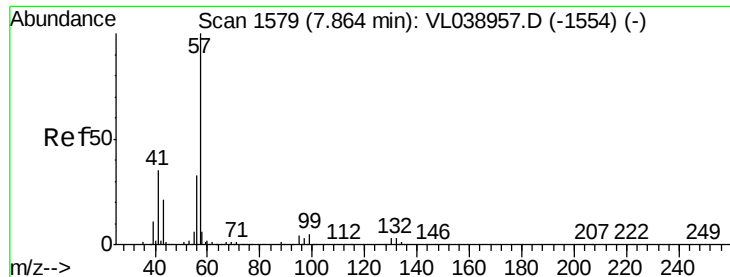
Delta R.T. -0.01 min

Lab File: VL039063.D

Acq: 14 May 2022 8:36

Tgt Ion:	83	Resp:	13011
Ion	Ratio	Lower	Upper
83	100		
85	14.6	52.0	78.0#
127	0.0	6.0	9.0#





#44

2,2,4-Trimethylpentane

Concen: 3.686 ppbv

RT: 7.85 Instrument:

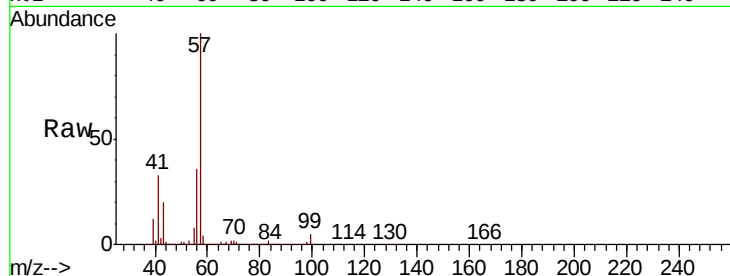
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 May 2022 8:30

Tot Ion: 57 Resp: 1381958

Ion	Ratio	Lower	Upper
57	100		
41	33.5	26.3	39.5
56	34.9	24.6	37.0

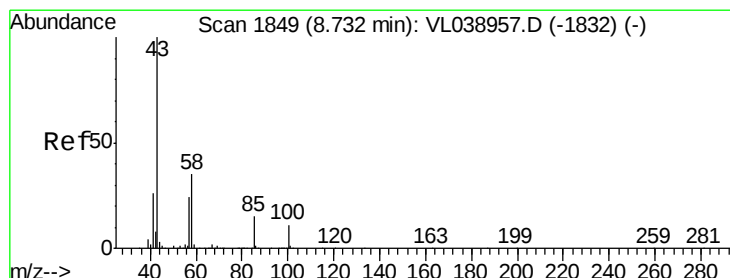
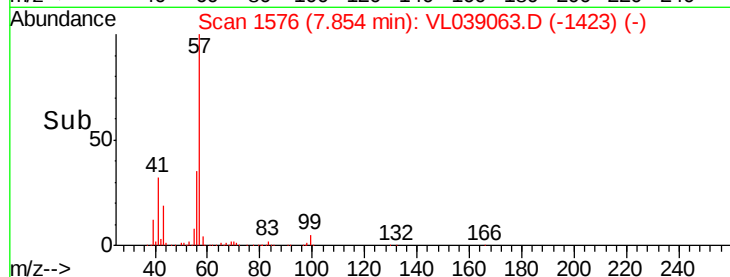


Abundance

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: 0.536 ppbv

RT: 8.74 min Scan# 1850

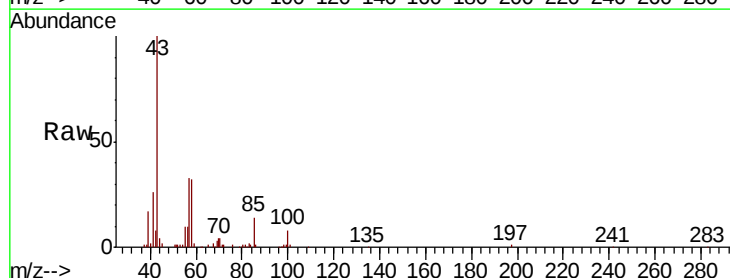
Delta R.T. 0.00 min

Lab File: VL039063.D

Acq: 14 May 2022 8:36

Tgt Ion: 43 Resp: 119669

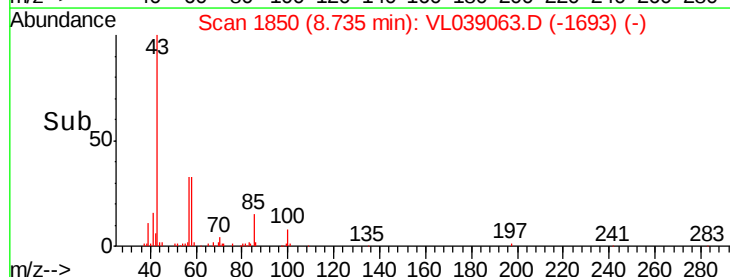
Ion	Ratio	Lower	Upper
43	100		
58	38.6	28.4	42.6

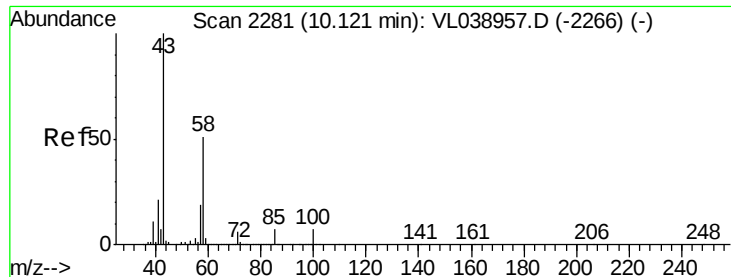


Abundance

Ion 43.10 (42.80 to 43.80): VL0

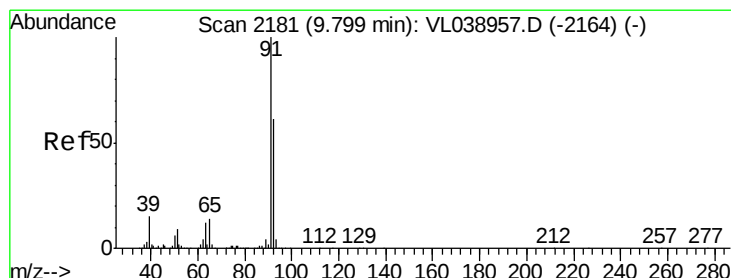
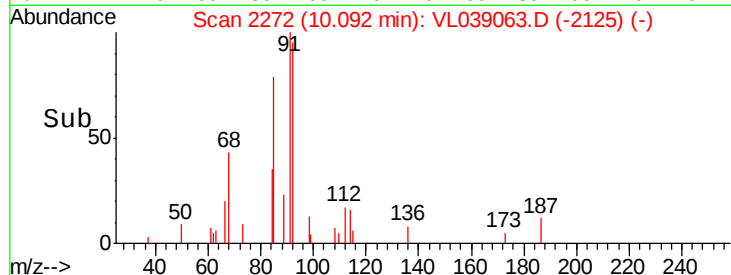
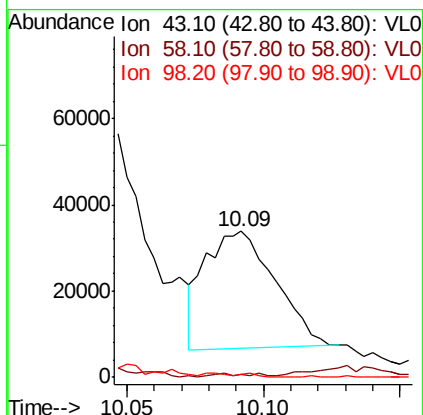
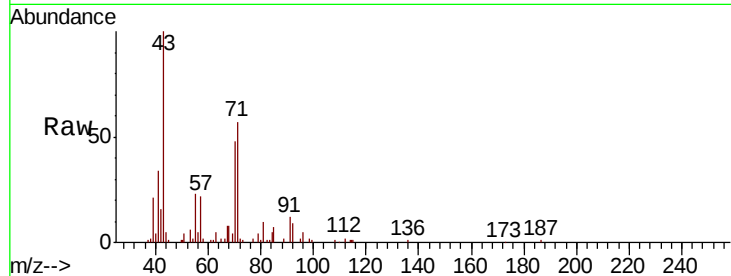
Ion 58.10 (57.80 to 58.80): VL0





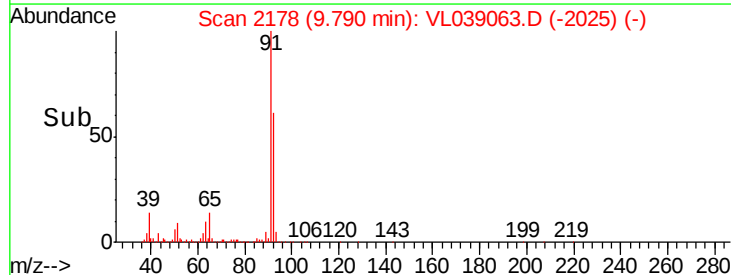
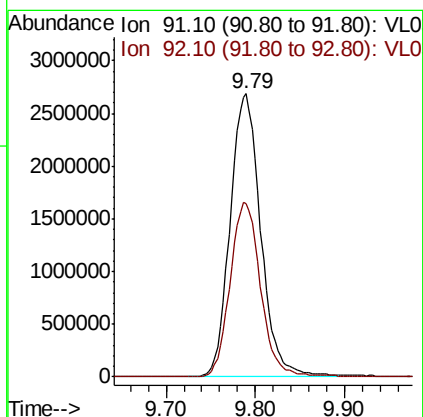
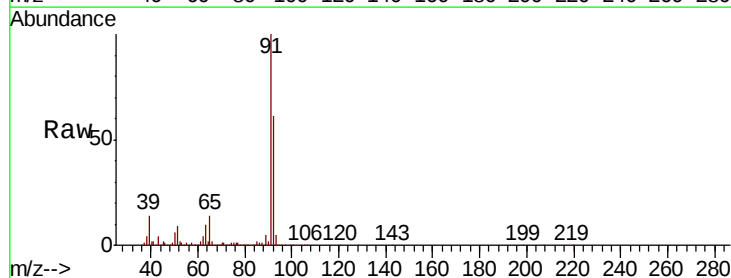
#51
2-Hexanone
Concen: 0.296 ppbv
RT: 10.09
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 May 2022 8:30

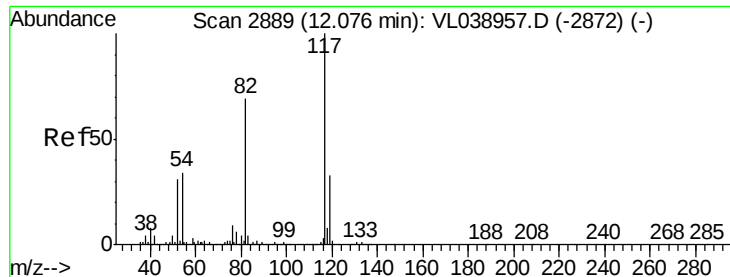
Tot Ion	Ratio	Lower	Upper
43	100		
58	1.3	39.3	58.9#
98	0.0	0.2	0.2#



#53
Toluene
Concen: 26.641 ppbv
RT: 9.79 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL039063.D
Acq: 14 May 2022 8:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	62.1	48.2	72.2

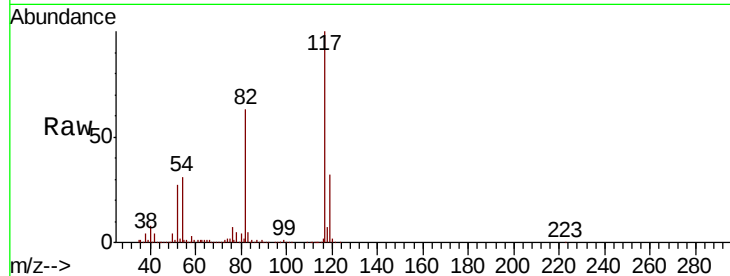




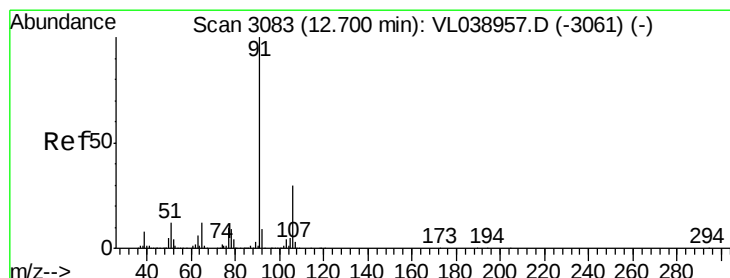
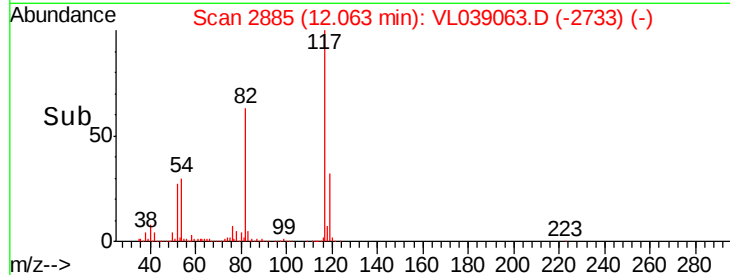
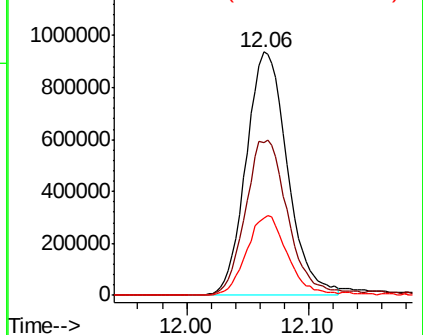
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 May 2022 8:30

Tot Ion: 117 Resp: 2195838

Ion	Ratio	Lower	Upper
117	100		
82	68.9	57.0	85.6
119	33.4	27.2	40.8



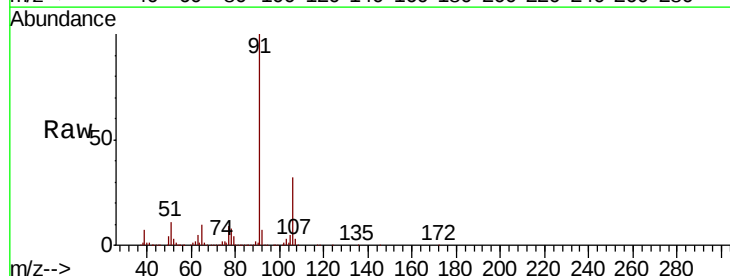
Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



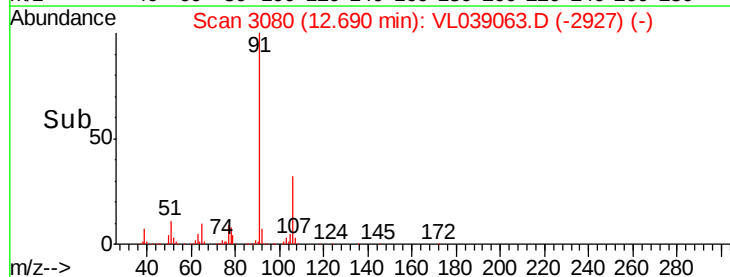
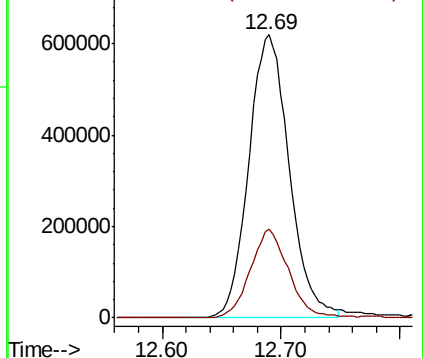
#58
Ethyl Benzene
Concen: 4.611 ppbv
RT: 12.69 min Scan# 3080
Delta R.T.: -0.01 min
Lab File: VL039063.D
Acq: 14 May 2022 8:36

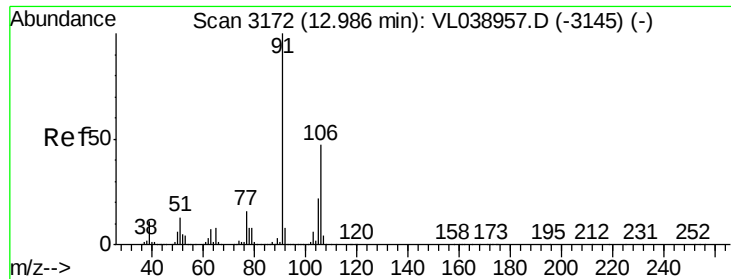
Tgt Ion: 91 Resp: 1457067

Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.2	36.4



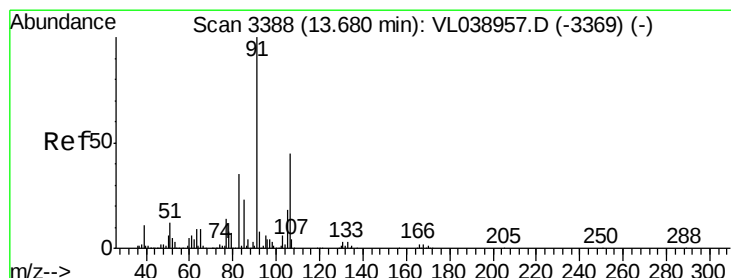
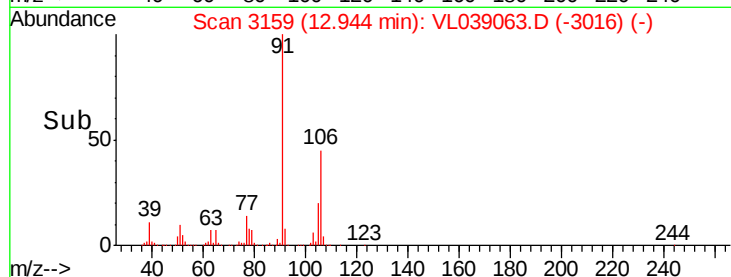
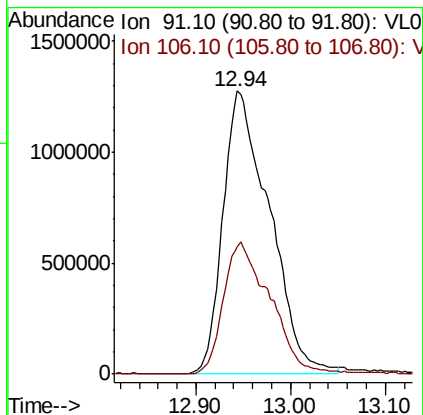
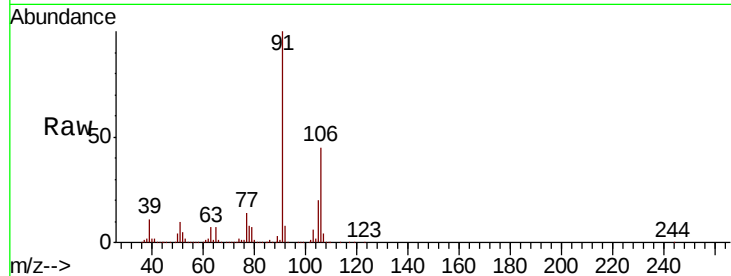
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





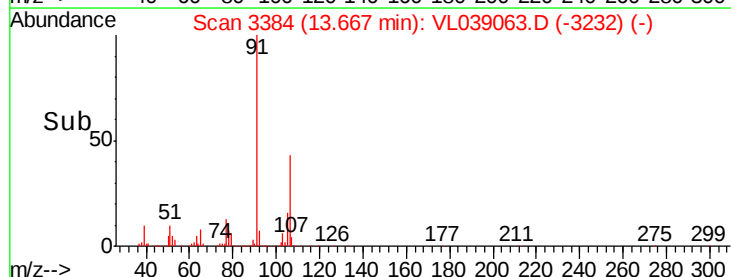
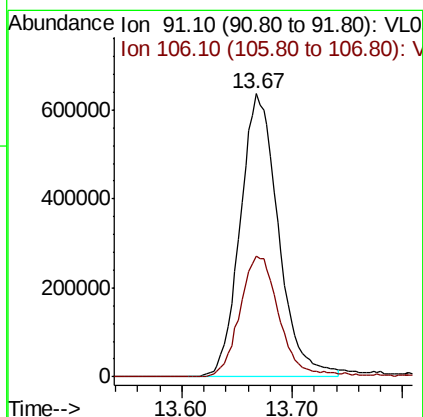
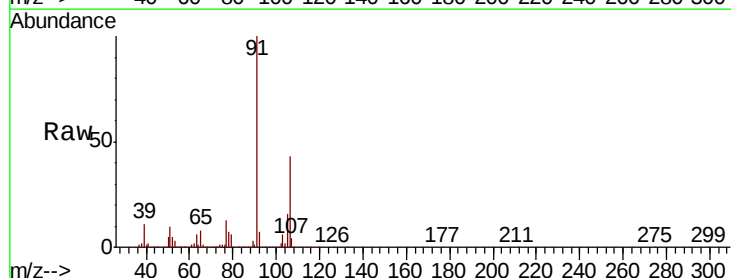
#59
m/p-Xylene
Concen: 16.020 ppbv
RT: 12.94 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 May 2022 8:30

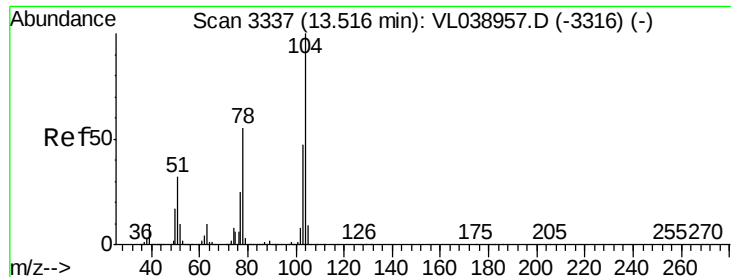
Tot Ion: 91 Resp: 4321728
Ion Ratio Lower Upper
91 100
106 47.8 34.6 52.0



#60
o-Xylene
Concen: 6.000 ppbv
RT: 13.67 min Scan# 3384
Delta R.T.: -0.01 min
Lab File: VL039063.D
Acq: 14 May 2022 8:36

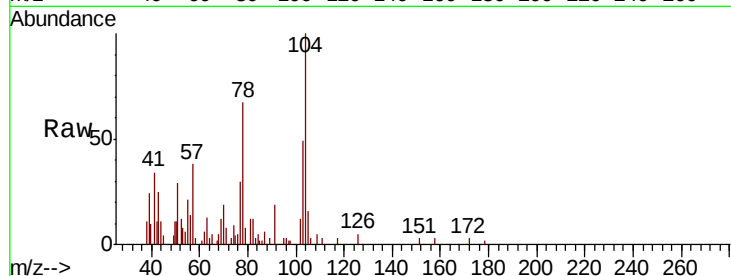
Tgt Ion: 91 Resp: 1523366
Ion Ratio Lower Upper
91 100
106 45.0 22.2 66.6



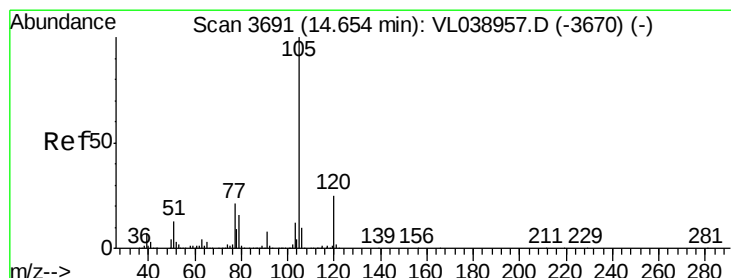
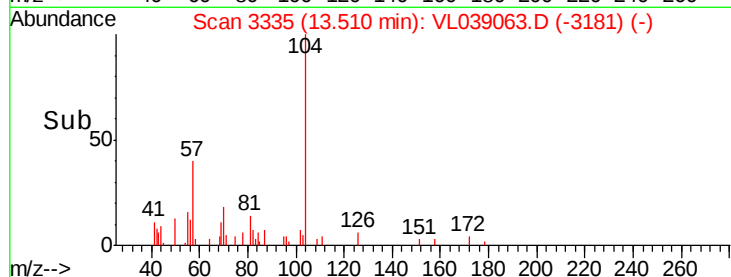
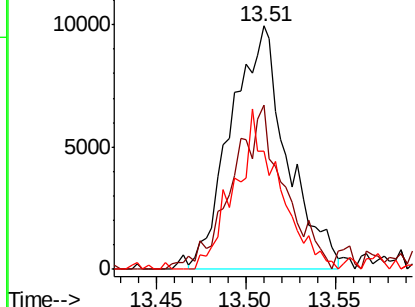


#61
Stvrene
Concen: 0.161 ppbv
RT: 13.51 min
Delta R.T. MSVOA_L
Lab File: ClientSampled : 1161-8.01-A-1
Acq: 14 May 2022 8:30

Tot Ion	Ratio	Lower	Upper
104	100		
78	64.9	46.4	69.6
103	53.7	39.3	58.9

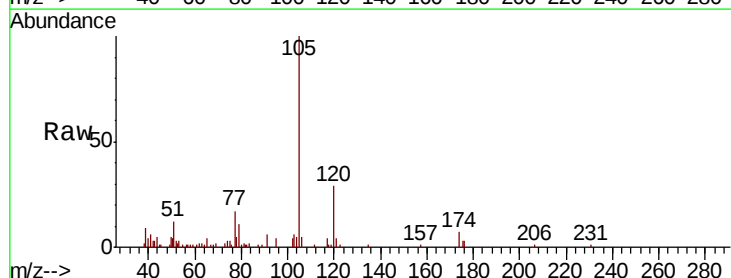


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

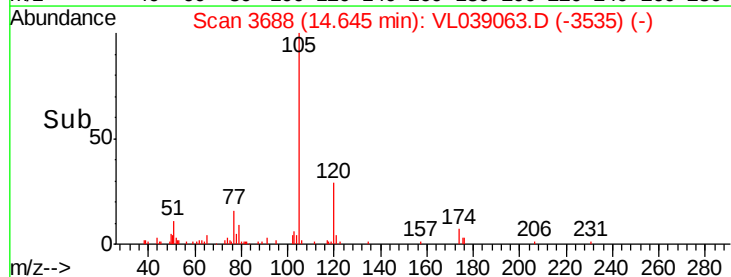
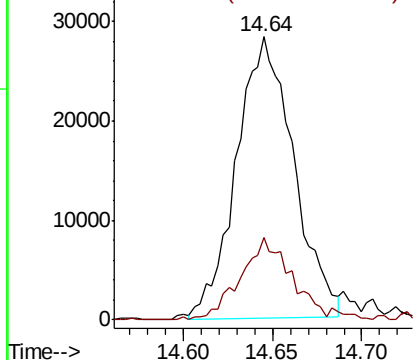


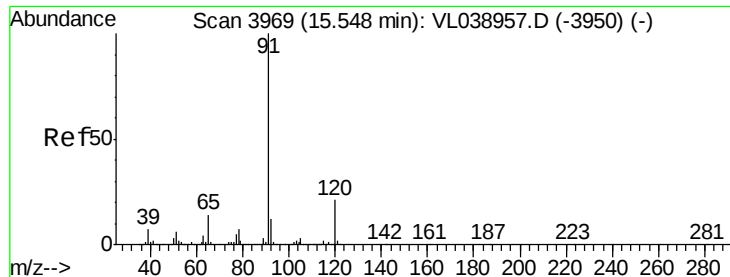
#62
Isopropylbenzene
Concen: 0.171 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.01 min
Lab File: VL039063.D
Acq: 14 May 2022 8:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.9	20.5	30.7



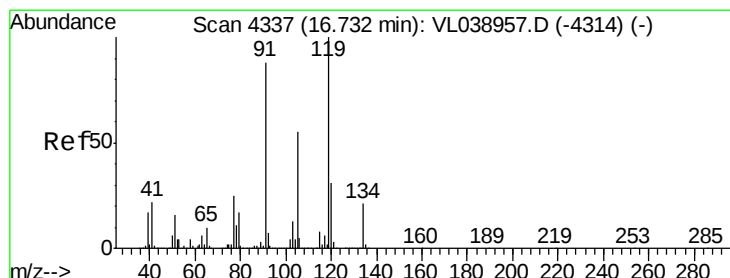
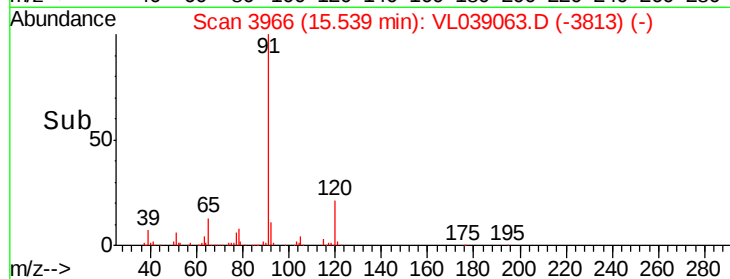
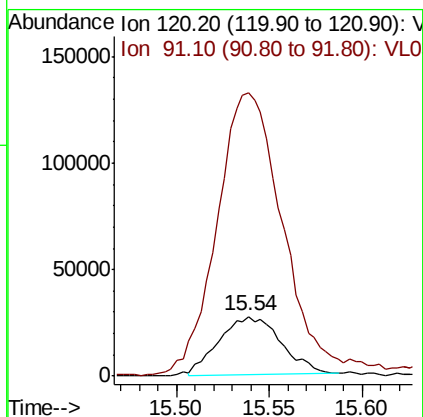
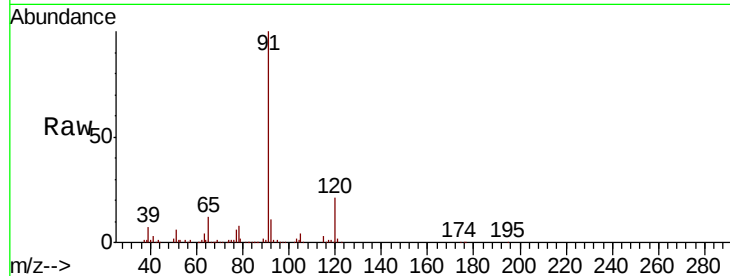
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





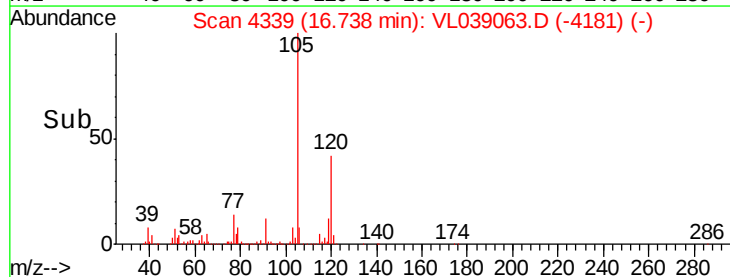
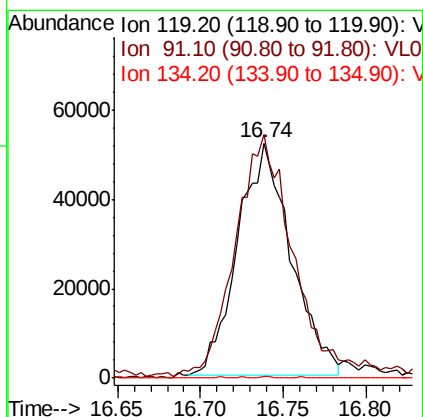
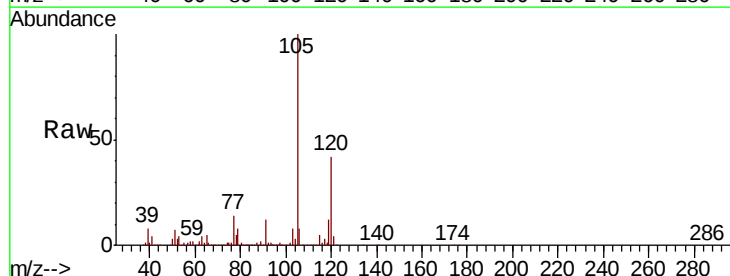
#64
n-propylbenzene
Concen: 0.698 ppbv
RT: 15.54 min
Delta R.T. 0.01 min
Lab File: VL038957.D
Acq: 14 May 2022 8:30

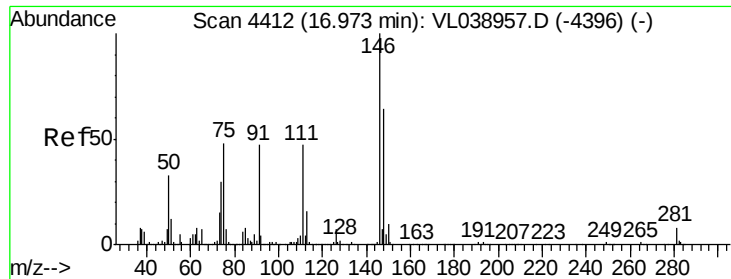
Tot Ion: 120 Resp: 62686
Ion Ratio Lower Upper
120 100
91 533.8 400.6 601.0



#65
tert-Butylbenzene
Concen: 0.359 ppbv
RT: 16.74 min Scan# 4339
Delta R.T. 0.01 min
Lab File: VL039063.D
Acq: 14 May 2022 8:36

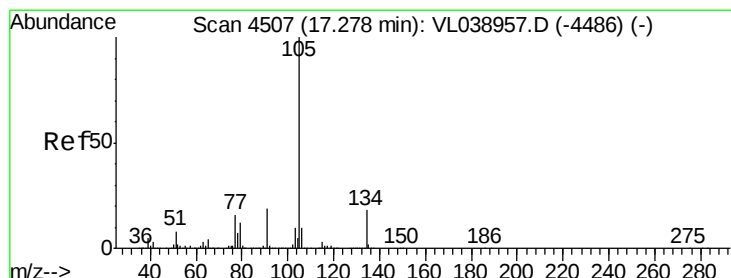
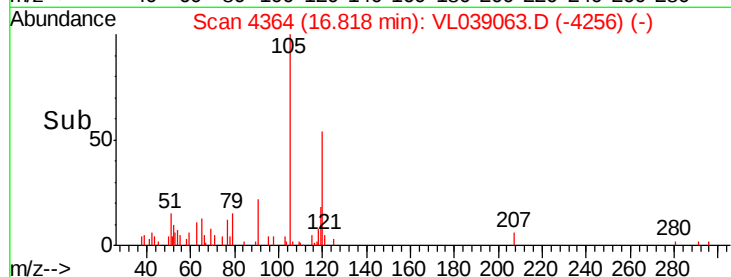
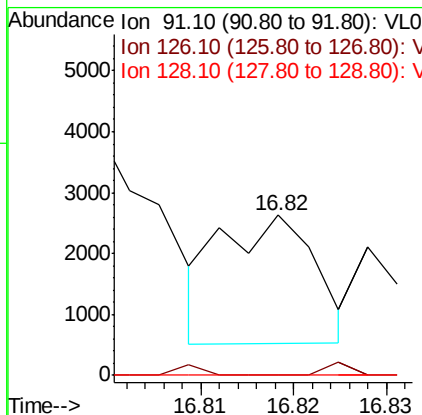
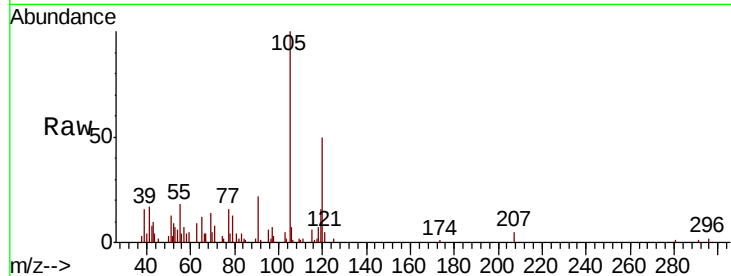
Tgt Ion: 119 Resp: 116760
Ion Ratio Lower Upper
119 100
91 117.9 69.4 104.2#
134 0.4 15.8 23.8#





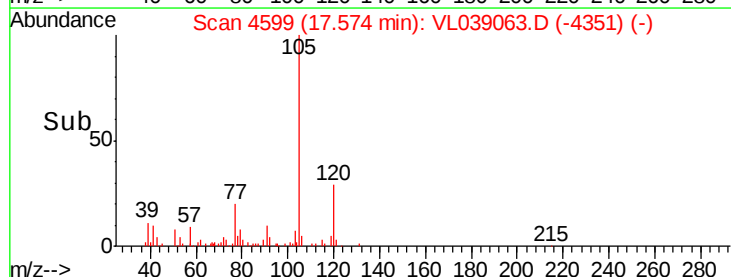
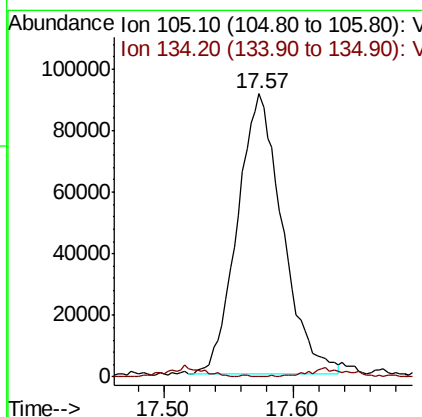
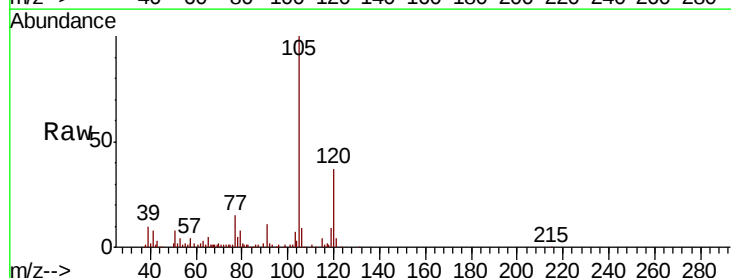
#66
Benzyl Chloride
Concen: 0.035 ppbv
RT: 16.82 min
Delta R.T. MSVOA.L
Lab File: ClientSampleId : 1161-8.01-A-1
Acq: 14 May 2022 8:30

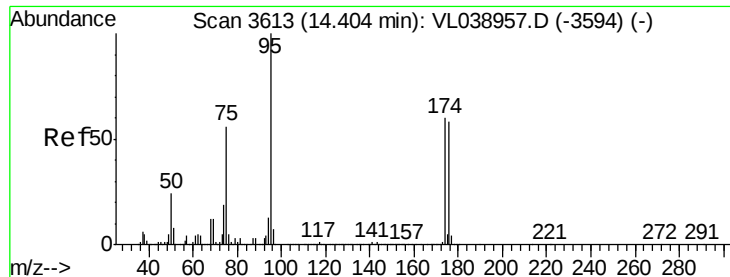
Tot Ion: 91 Resp: 1469
Ion Ratio Lower Upper
91 100
126 43.9 11.8 17.6#
128 0.0 4.2 6.2#



#67
sec-Butylbenzene
Concen: 0.478 ppbv
RT: 17.57 min Scan# 4599
Delta R.T. 0.30 min
Lab File: VL039063.D
Acq: 14 May 2022 8:36

Tgt Ion: 105 Resp: 222000
Ion Ratio Lower Upper
105 100
134 3.1 14.2 21.4#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.481 ppbv

RT: 14.39

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 May 2022 8:30

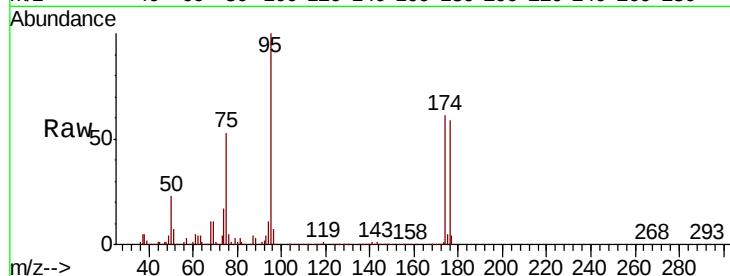
Tot Ion: 95 Resp: 1648772

Ion Ratio Lower Upper

95 100

174 66.0 50.8 76.2

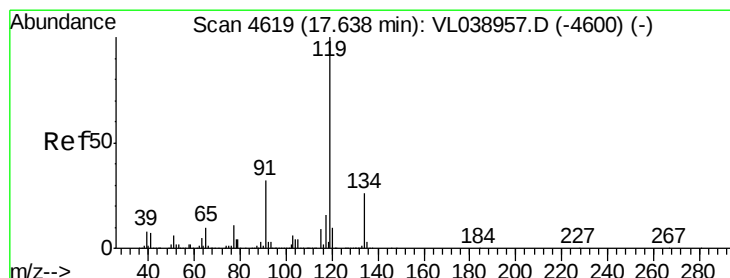
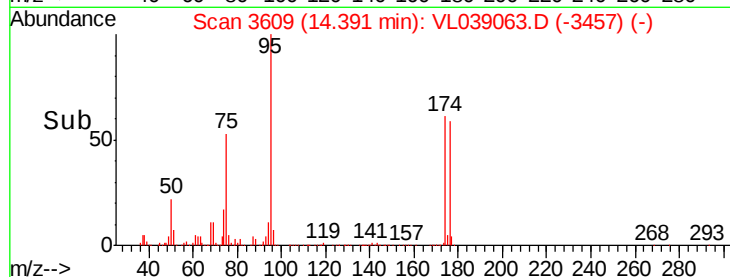
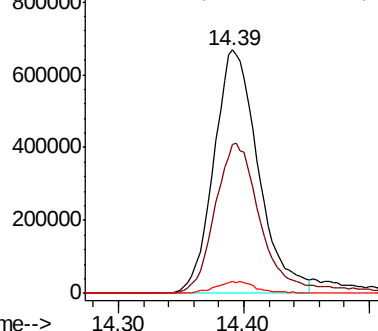
175 4.9 3.8 5.6



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: 0.052 ppbv

RT: 17.63 min Scan# 4616

Delta R.T. -0.01 min

Lab File: VL039063.D

Acq: 14 May 2022 8:36

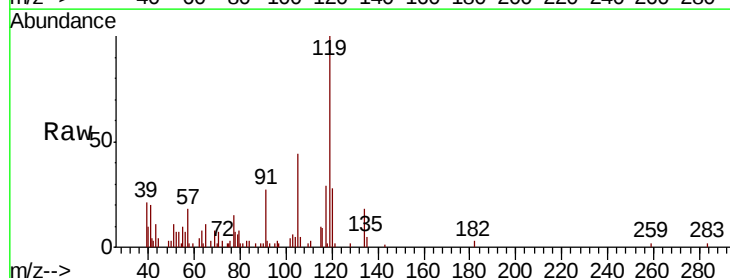
Tgt Ion: 119 Resp: 19595

Ion Ratio Lower Upper

119 100

134 35.7 20.0 30.0#

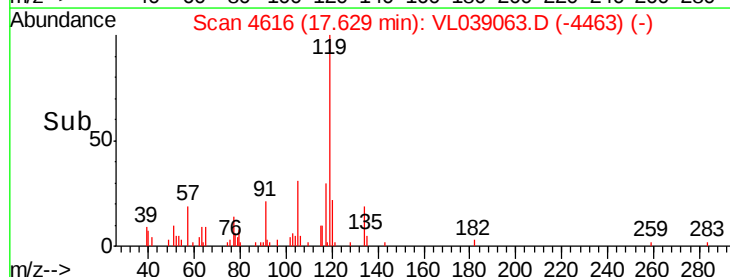
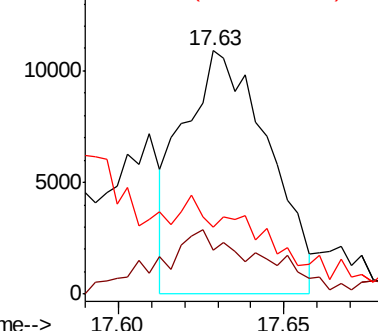
91 0.0 24.8 37.2#

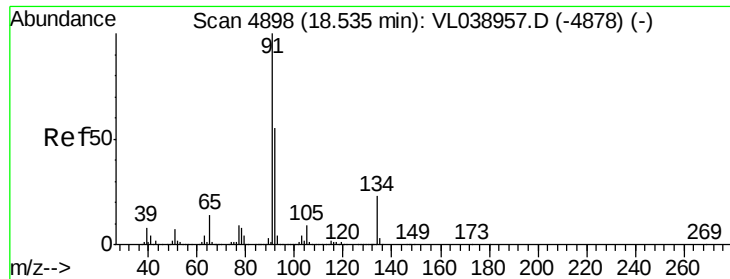


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

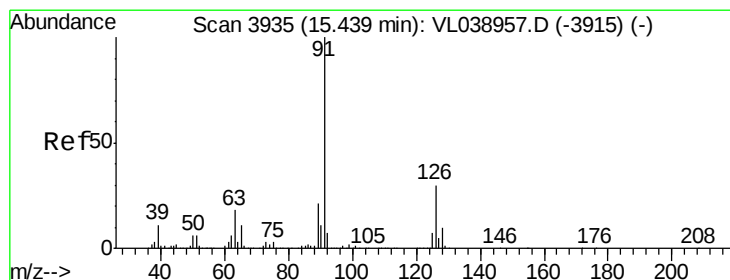
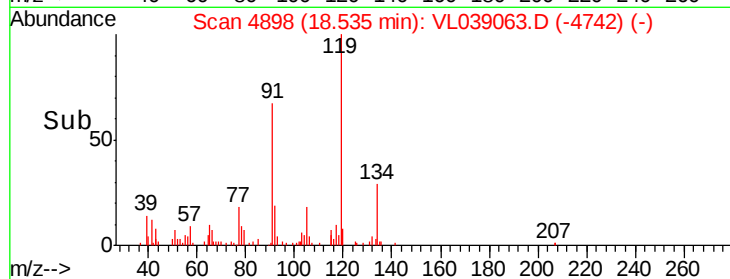
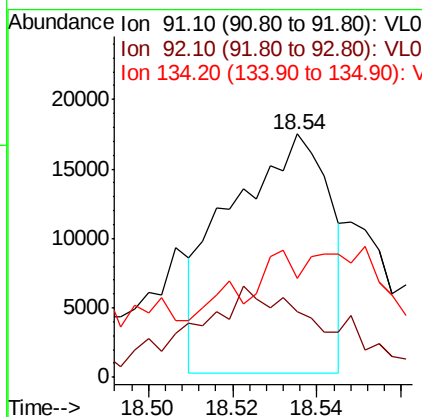
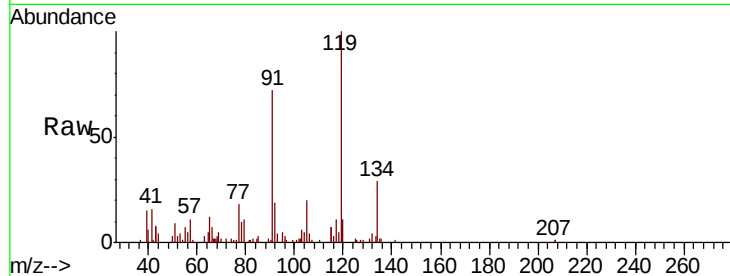
Ion 91.10 (90.80 to 91.80): VL0





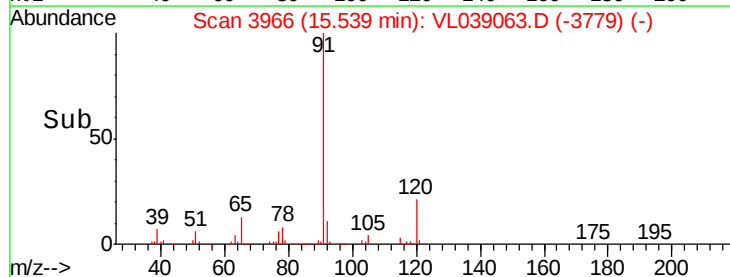
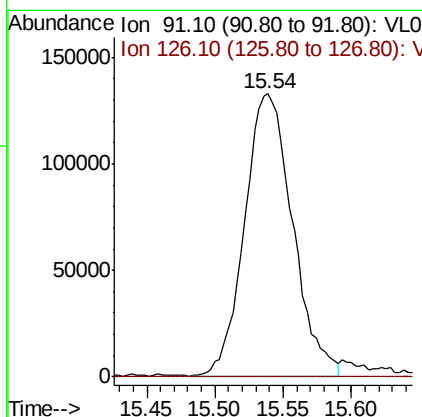
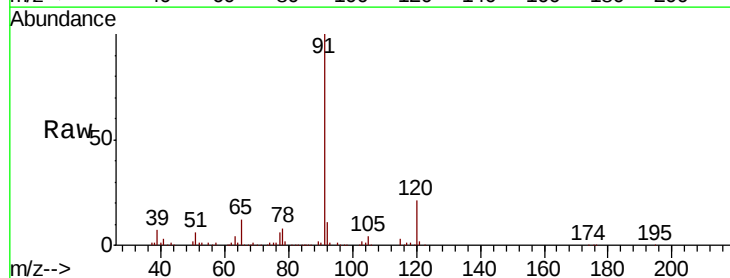
#70
n-Butylbenzene
Concen: 0.071 ppbv
RT: 18.54 min
Delta R.T. MSVOA_1
Lab File: ClientSampled :
Acq: 14 May 2022 8:30

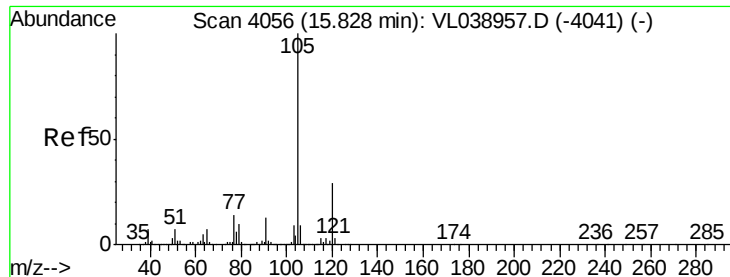
Tot Ion	91	Resp	28174
Ion Ratio	Lower	Upper	
91	100		
92	64.8	43.1	64.7#
134	0.0	17.0	25.4#



#71
2-Chlorotoluene
Concen: 1.130 ppbv
RT: 15.54 min Scan# 3966
Delta R.T. 0.10 min
Lab File: VL039063.D
Acq: 14 May 2022 8:36

Tgt Ion	91	Resp	323350
Ion Ratio	Lower	Upper	
91	100		
126	0.1	11.9	47.5#





#72

4-Ethyltoluene

Concen: 0.775 ppbv

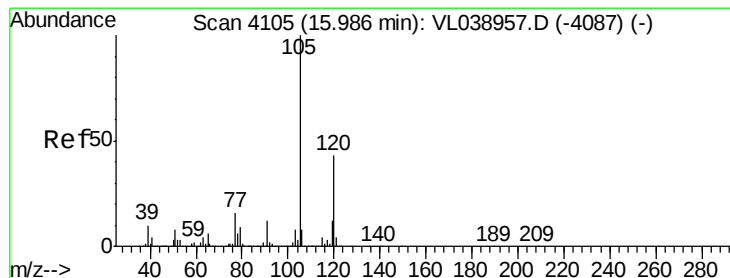
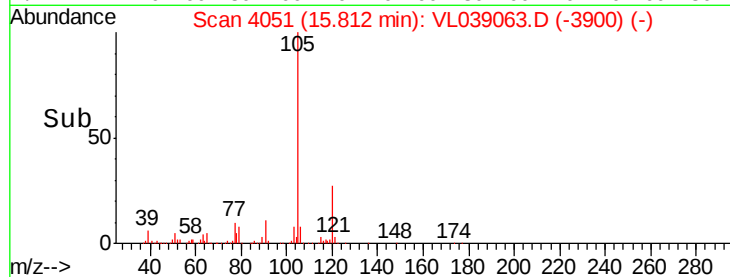
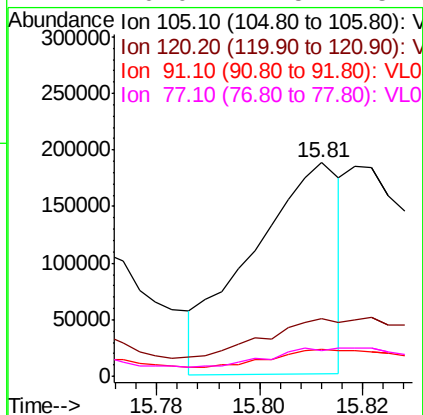
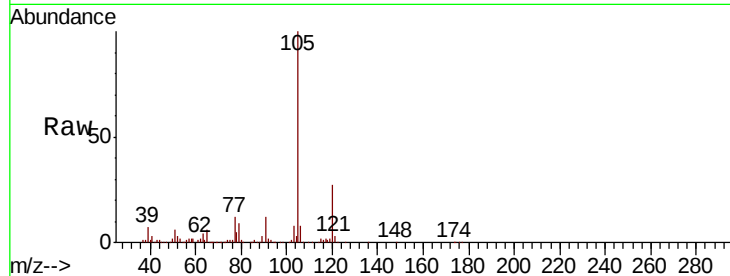
RT: 15.81 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 May 2022 8:30

Tot Ion:	105	Resp:	224171
Ion Ratio	Lower	Upper	
105	100		
120	0.0	23.4	35.0#
91	26.4	10.6	16.0#
77	0.0	12.5	18.7#



#73

1,3,5-Trimethylbenzene

Concen: 1.107 ppbv

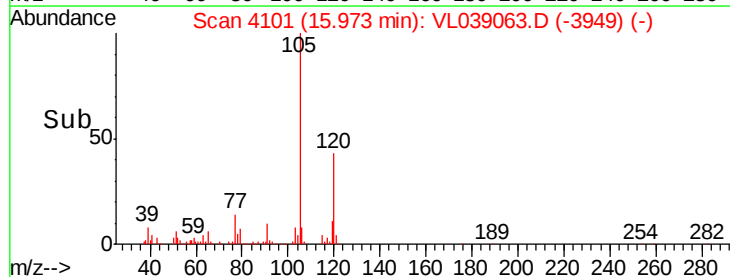
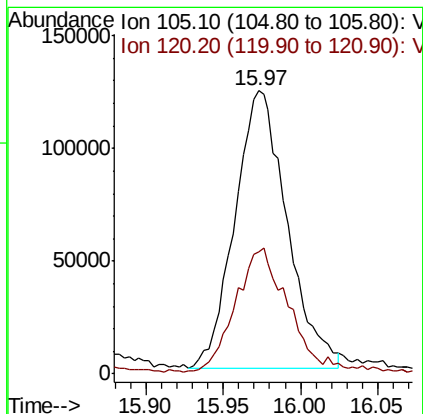
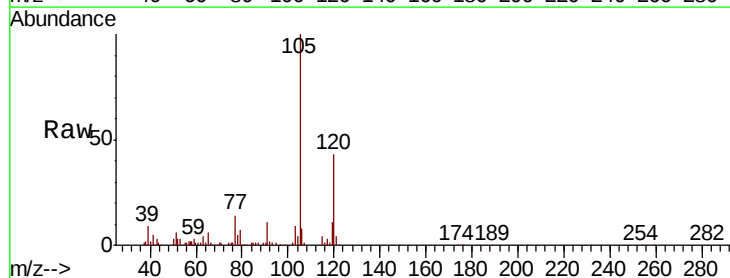
RT: 15.97 min Scan# 4101

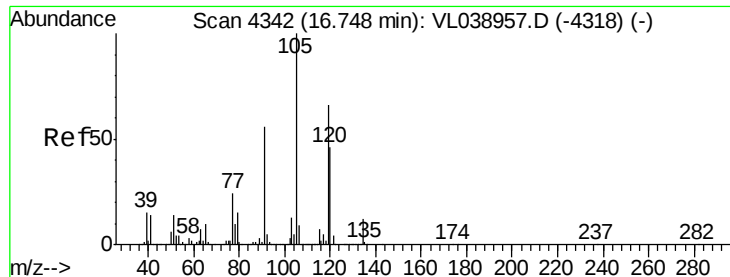
Delta R.T. -0.01 min

Lab File: VL039063.D

Acq: 14 May 2022 8:36

Tgt Ion:	105	Resp:	288432
Ion Ratio	Lower	Upper	
105	100		
120	43.0	34.4	51.6





#74

1,2,4-Trimethylbenzene

Concen: 3.986 ppbv

RT: 16.74

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 May 2022 8:30

Tot Ion:105 Resp: 1136920

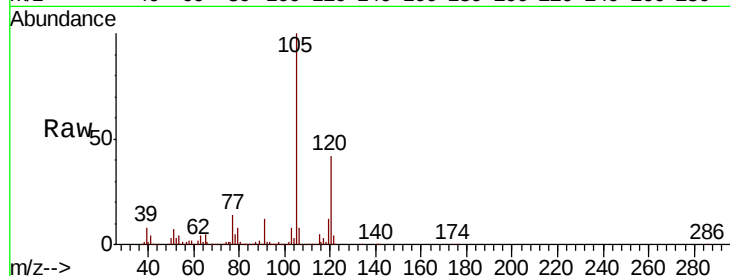
Ion Ratio Lower Upper

105 100

120 42.2 36.9 55.3

91 11.9 45.0 67.4#

77 13.5 19.2 28.8#

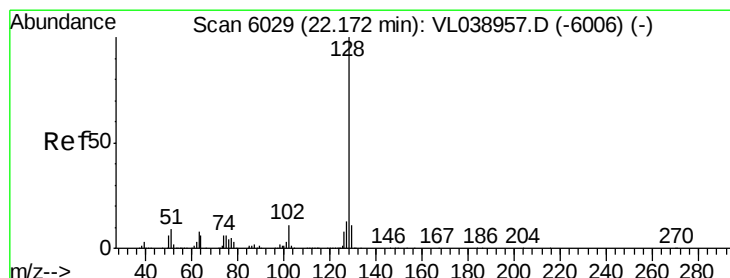
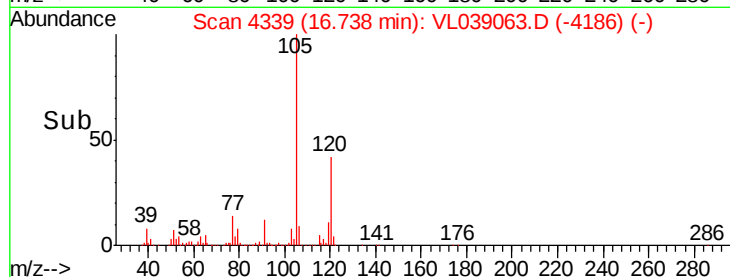
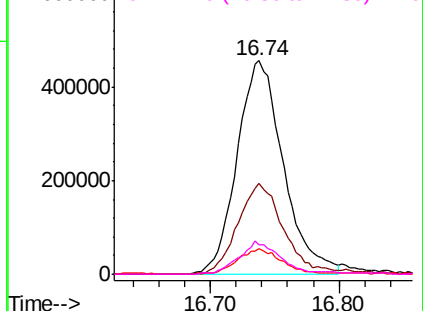


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.101 ppbv

RT: 22.17 min Scan# 6027

Delta R.T. -0.01 min

Lab File: VL039063.D

Acq: 14 May 2022 8:36

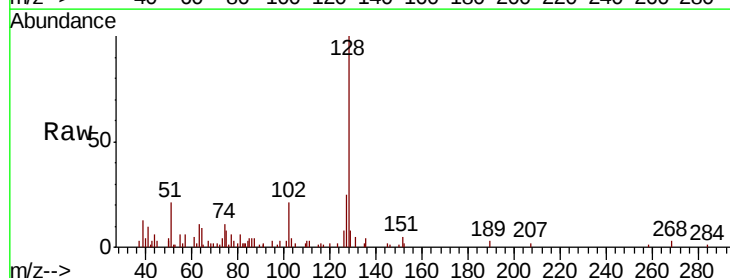
Tgt Ion:128 Resp: 23412

Ion Ratio Lower Upper

128 100

127 22.7 10.2 15.2#

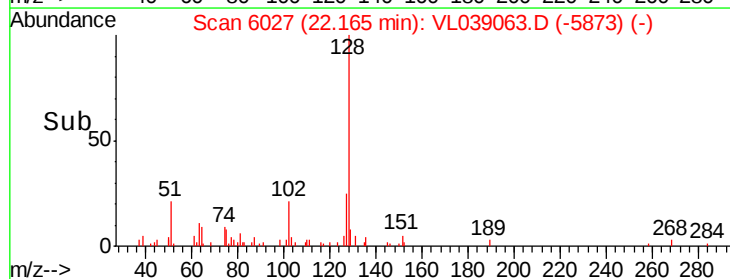
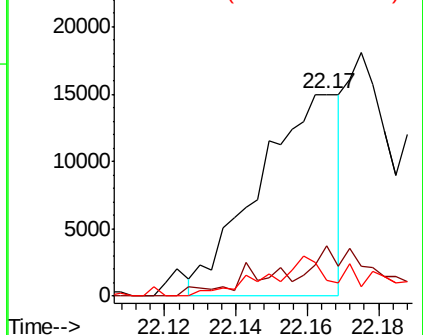
129 8.9 8.9 13.3

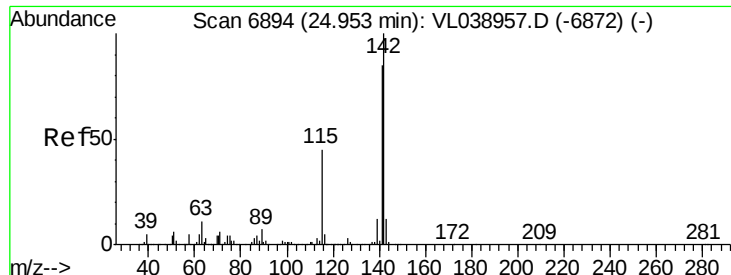


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.058 ppbv

RT: 25.26

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 14 May 2022 8:30

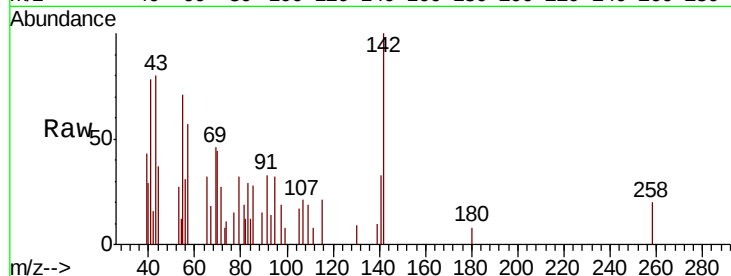
Tot Ion: 142 Resp: 4053

Ion Ratio Lower Upper

142 100

141 74.1 70.8 106.2

115 36.7 35.1 52.7



Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

