

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040722\
 Data File : VL038854.D
 Acq On : 7 Apr 2022 23:29
 Operator : SY/AP
 Sample : N2273-06
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 1160-1-SG-3

Quant Time: Apr 11 05:17:07 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	1264457	10.00	ppbv	0.05
33) 1,4-Difluorobenzene	7.22	114	3073646	10.00	ppbv	0.05
55) Chlorobenzene-d5	12.12	117	2746149	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2134070	10.24	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	27370	0.153 ppbv	99
3) Chlorodifluoromethane	3.01	51	92604	0.600 ppbv #	82
4) Chloromethane	3.16	50	33175	0.415 ppbv	95
9) Propene	3.23	41	701838	8.596 ppbv	98
10) Heptane	8.16	43	1416590	6.888 ppbv	98
11) Trichlorofluoromethane	3.98	101	38637	0.268 ppbv	86
13) Ethanol	3.64	45	2172358	437.824 ppbv #	100
15) Acetone	3.89	43	6277759	49.868 ppbv #	1
16) 1,3-Butadiene	3.38	39	8579578	119.214 ppbv #	11
17) tert-Butyl alcohol	4.00	59	55925	0.495 ppbv #	1
19) Isopropyl Alcohol	4.00	45	1993753	30.987 ppbv #	100
20) Methylene Chloride	4.39	84	67348	1.475 ppbv #	80
21) Allyl Chloride	4.40	41	10964	0.116 ppbv #	21
23) Vinyl Acetate	5.10	43	33837	0.276 ppbv #	1
25) Ethyl Acetate	5.72	43	552287	1.729 ppbv	98
26) Hexane	5.72	57	356895	2.455 ppbv #	78
30) Cyclohexane	7.16	84	237682	1.855 ppbv	90
31) cis-1,2-Dichloroethene	5.71	61	23485	0.176 ppbv #	30
34) 2-Butanone	5.28	43	522098	4.299 ppbv	100
35) Carbon Tetrachloride	7.07	117	9472	0.051 ppbv #	63
36) Benzene	6.93	78	282544	1.010 ppbv	96
39) 1,2-Dichloropropane	7.22	63	778294	7.277 ppbv #	27
42) Bromodichloromethane	7.83	83	50094	0.248 ppbv #	25
43) Methyl Methacrylate	8.05	69	11140	0.104 ppbv #	1
44) 2,2,4-Trimethylpentane	7.90	57	1519830	3.210 ppbv #	59
50) 4-Methyl-2-Pentanone	8.77	43	1875259	6.864 ppbv	98
51) 2-Hexanone	10.09	43	437652	2.126 ppbv #	33
52) Tetrachloroethene	11.27	164	122866	1.258 ppbv	93
53) Toluene	9.85	91	1850471	5.733 ppbv	100
58) Ethyl Benzene	12.75	91	4401855	10.727 ppbv	94
59) m/p-Xylene	13.00	91	12476835	36.191 ppbv	95
60) o-Xylene	13.73	91	4724612	14.646 ppbv	96
61) Styrene	13.56	104	139863	0.712 ppbv	93
62) Isopropylbenzene	14.70	105	228486	0.472 ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.70	83	23296	0.114 ppbv #	87
64) n-propylbenzene	15.59	120	214199	1.704 ppbv	72
65) tert-Butylbenzene	16.80	119	378959	0.882 ppbv #	62
66) Benzyl Chloride	17.23	91	24680	0.282 ppbv #	75
67) sec-Butylbenzene	17.32	105	78846	0.131 ppbv	99
69) p-Isopropyltoluene	17.56	119	106753	0.216 ppbv	94
70) n-Butylbenzene	18.58	91	119068	0.239 ppbv #	44

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Operator : SY/AP
Sample : N2273-06
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-3

Quant Time: Apr 11 05:17:07 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2-Chlorotoluene	15.59	91	1087485	2.987	ppbv #	43
72) 4-Ethyltoluene	15.87	105	1463842	3.800	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	1179385	3.408	ppbv	92
74) 1,2,4-Trimethylbenzene	16.80	105	3530699	9.652	ppbv #	70

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040722\
Data File : VL038854.D
Acq On : 7 Apr 2022 23:29
Operator : SY/AP
Sample : N2273-06
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-3

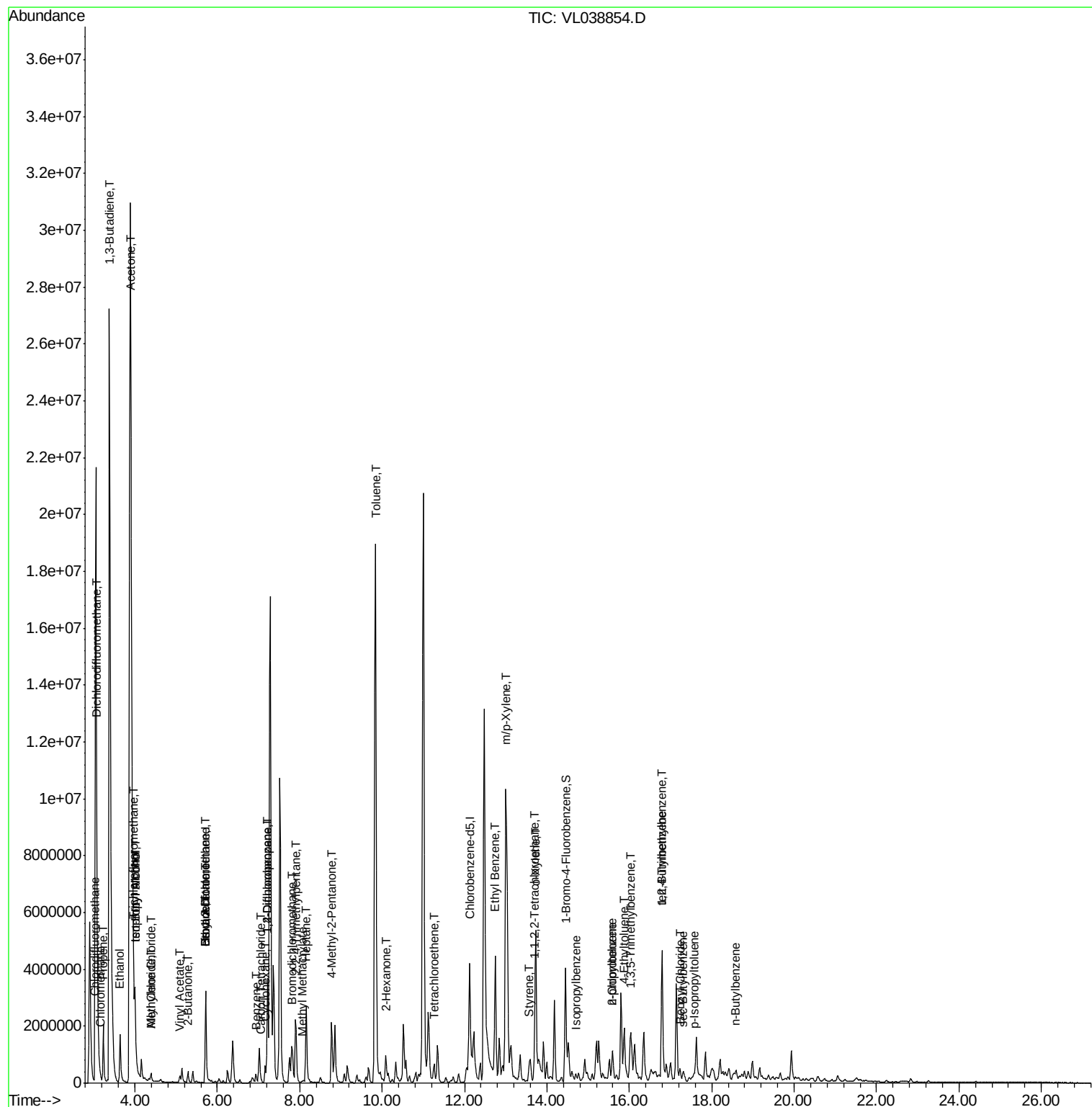
Quant Time: Apr 11 05:17:07 2022

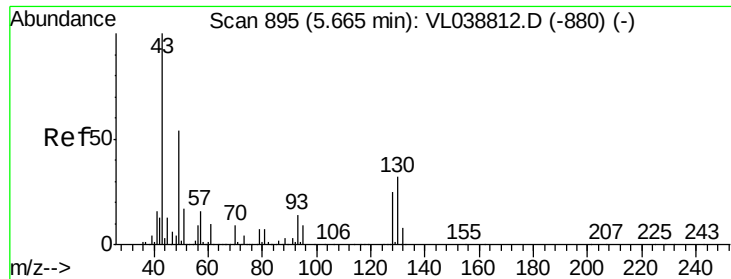
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 06 06:12:53 2022

QLast Update : Wed Apr 06 06:12:53 2022

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 7 Apr 2022 23:29

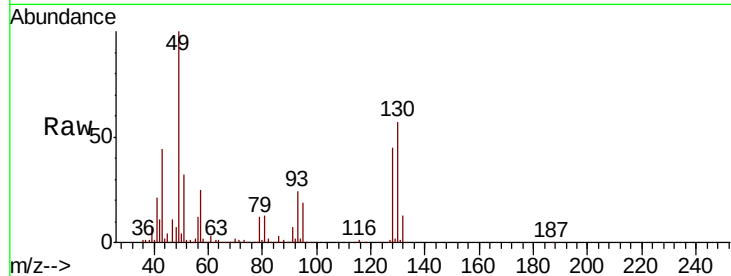
Tot Ion: 49 Resp: 1264457

Ion Ratio Lower Upper

49 100

128 45.3 24.1 72.3

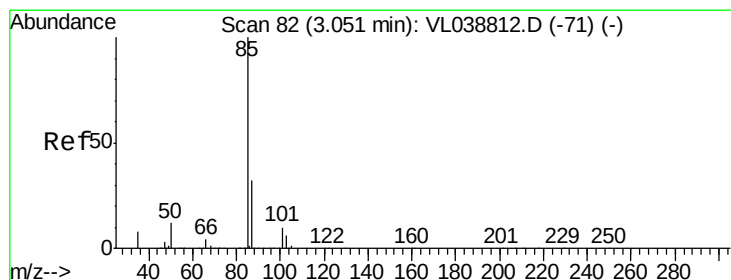
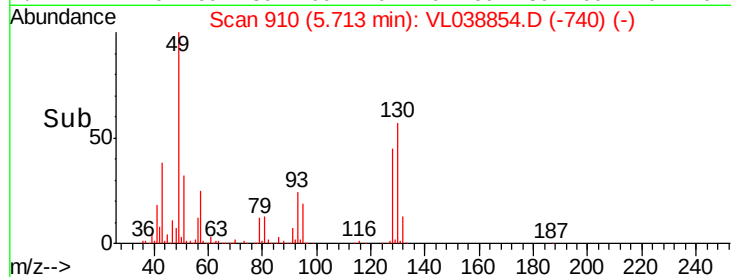
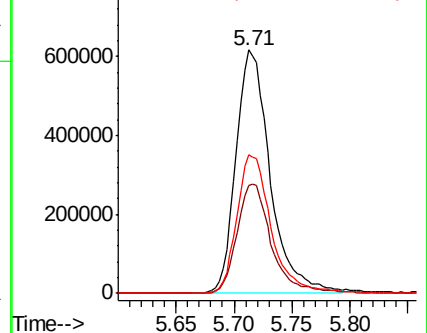
130 57.5 30.9 92.8



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: 0.153 ppbv

RT: 3.08 min Scan# 90

Delta R.T. 0.03 min

Lab File: VL038854.D

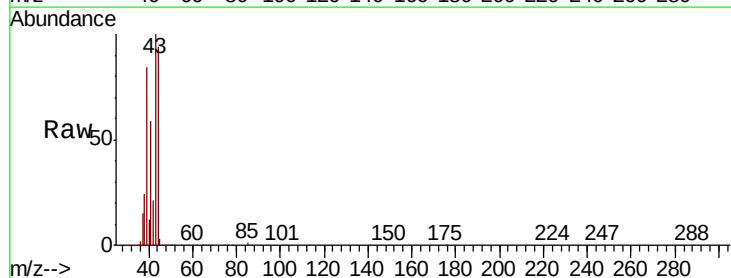
Acq: 7 Apr 2022 23:29

Tgt Ion: 85 Resp: 27370

Ion Ratio Lower Upper

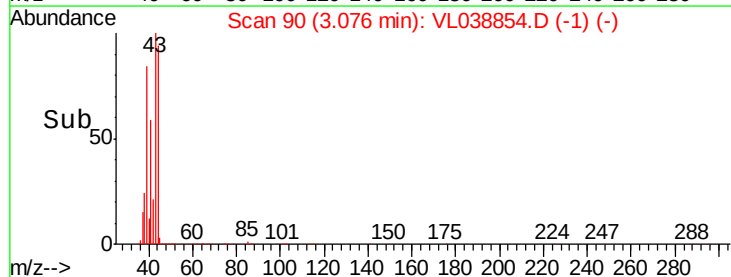
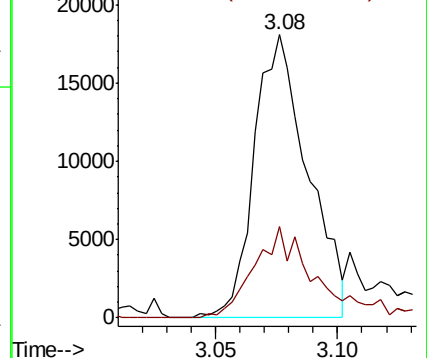
85 100

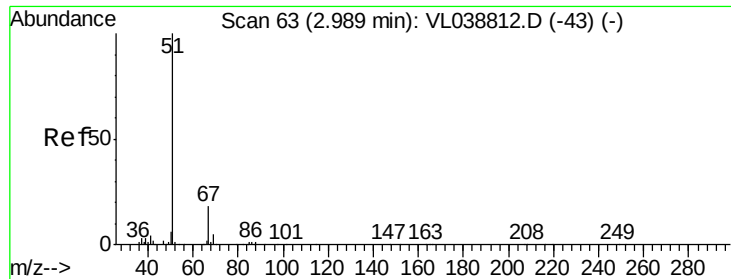
87 32.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

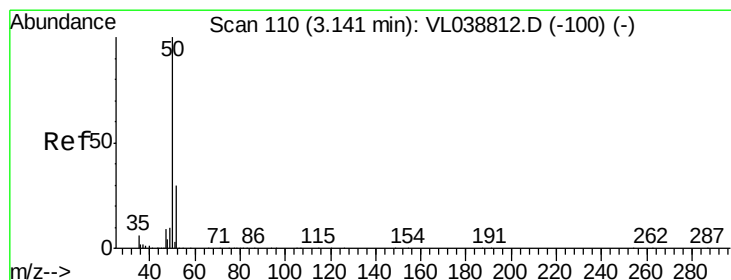
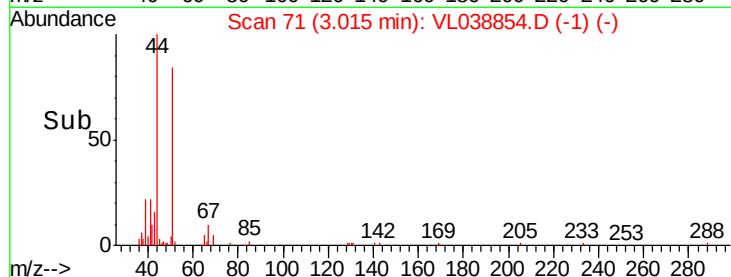
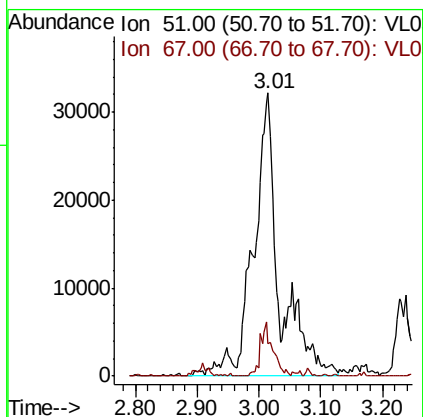
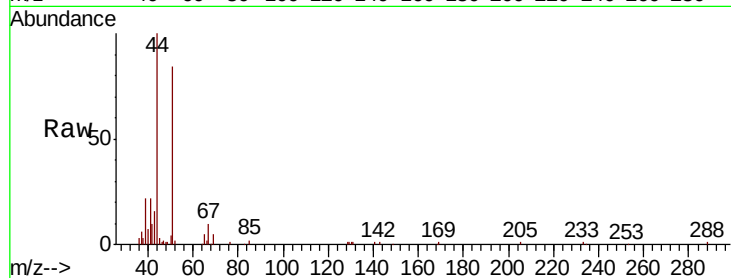
Ion 87.00 (86.70 to 87.70): VL0





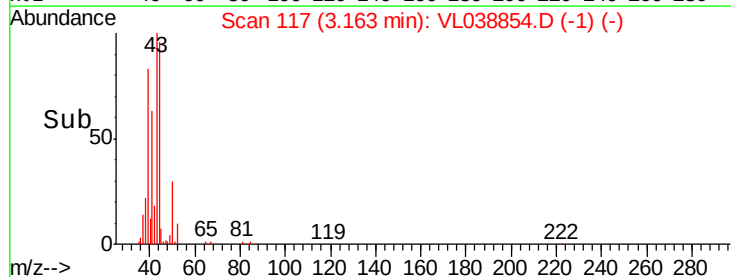
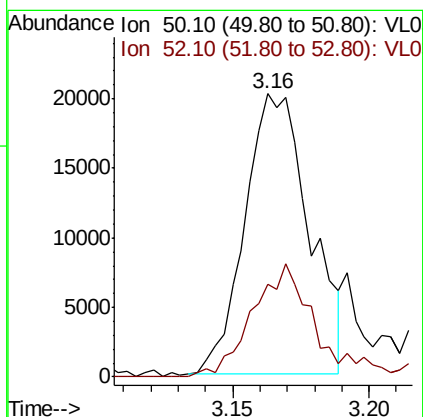
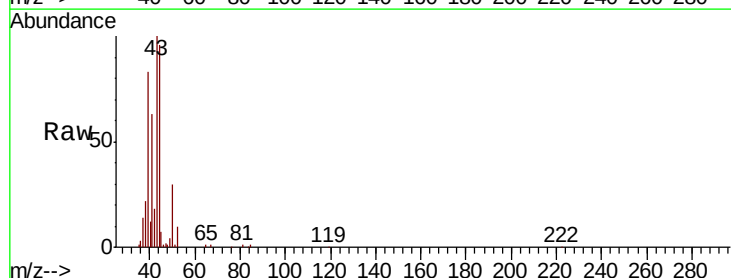
#3
 Chlorodifluoromethane
 Concen: 0.600 ppbv
 RT: 3.01
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 1160-1-SG-3
 Acq: 7 Apr 2022 23:29

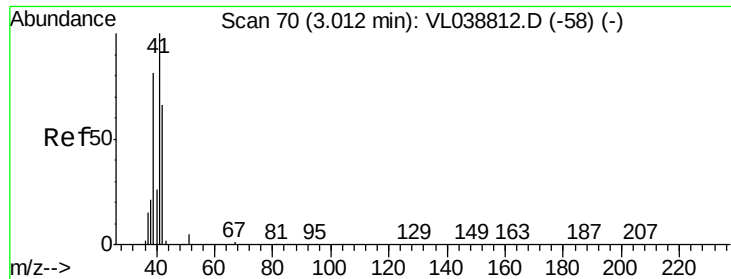
Tot Ion: 51 Resp: 92604
 Ion Ratio Lower Upper
 51 100
 67 9.1 13.4 20.0#



#4
 Chloromethane
 Concen: 0.415 ppbv
 RT: 3.16 min Scan# 117
 Delta R.T. 0.02 min
 Lab File: VL038854.D
 Acq: 7 Apr 2022 23:29

Tgt Ion: 50 Resp: 33175
 Ion Ratio Lower Upper
 50 100
 52 33.2 24.3 36.5





#9

Propene

Concen: 8.596 ppbv

RT: 3.23 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

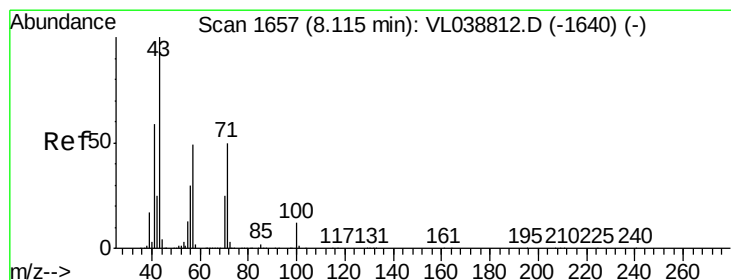
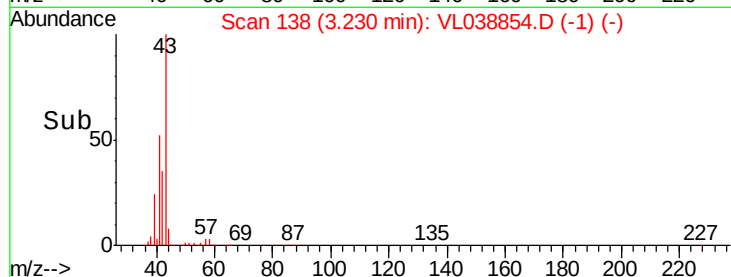
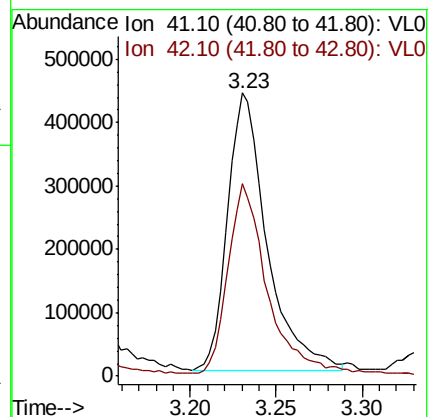
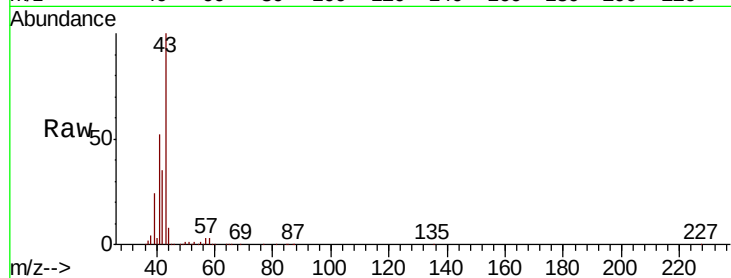
Acq: 7 Apr 2022 23:29

Tot Ion: 41 Resp: 701838

Ion Ratio Lower Upper

41 100

42 69.4 54.2 81.4



#10

Heptane

Concen: 6.888 ppbv

RT: 8.16 min Scan# 1671

Delta R.T. 0.04 min

Lab File: VL038854.D

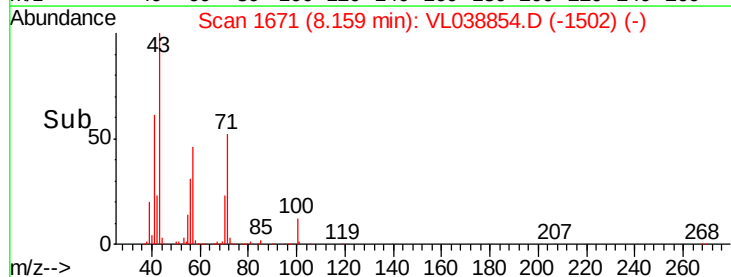
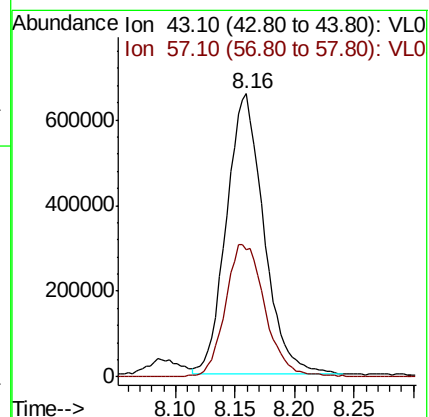
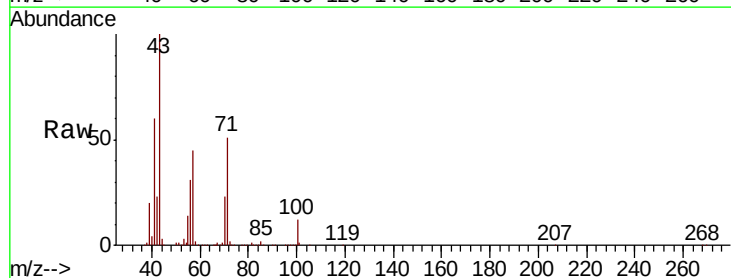
Acq: 7 Apr 2022 23:29

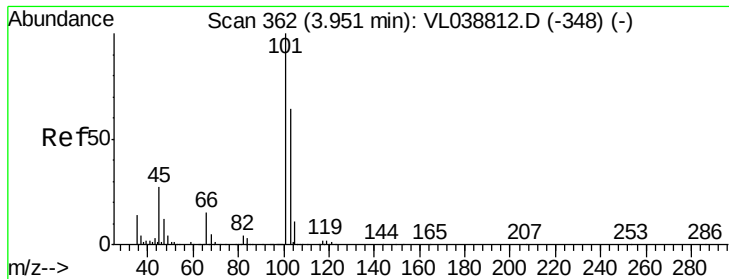
Tgt Ion: 43 Resp: 1416590

Ion Ratio Lower Upper

43 100

57 50.3 39.3 58.9





#11

Trichlorofluoromethane

Concen: 0.268 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

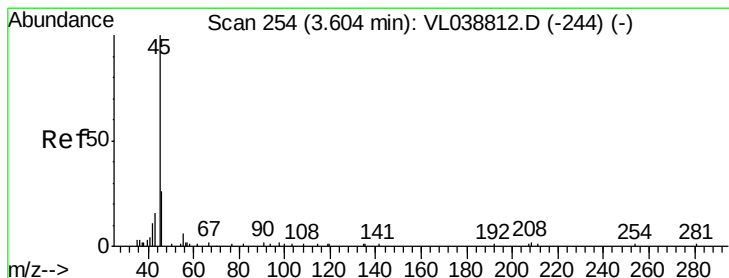
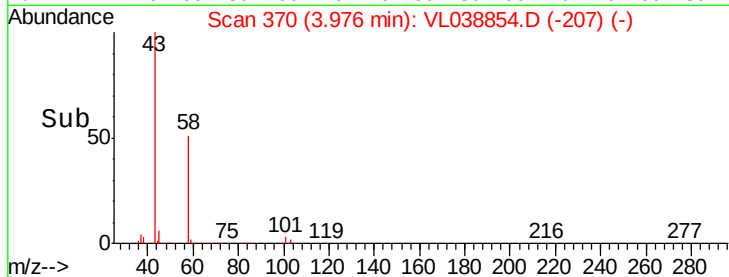
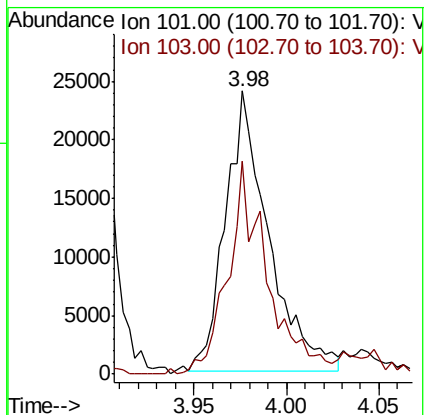
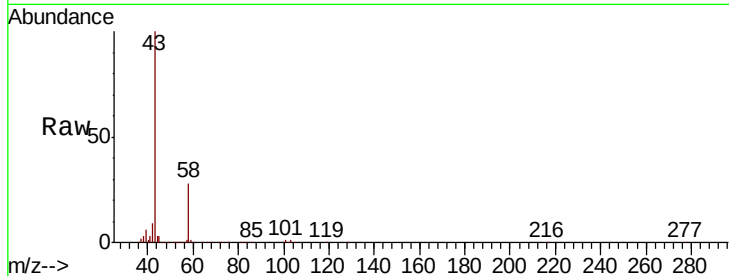
Acq: 7 Apr 2022 23:29

Tot Ion:101 Resp: 38637

Ion Ratio Lower Upper

101 100

103 74.9 51.4 77.0



#13

Ethanol

Concen: 437.824 ppbv

RT: 3.64 min Scan# 265

Delta R.T. 0.04 min

Lab File: VL038854.D

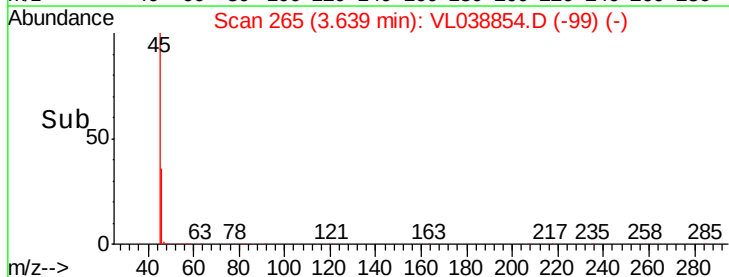
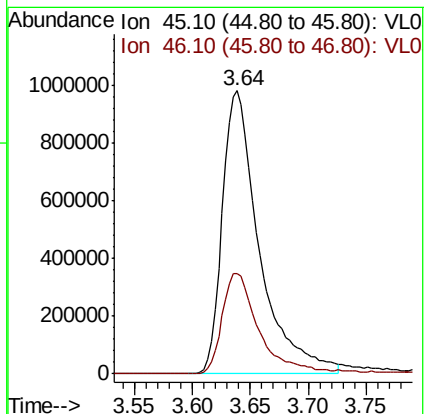
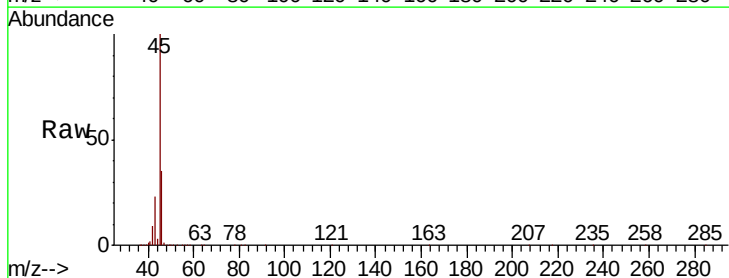
Acq: 7 Apr 2022 23:29

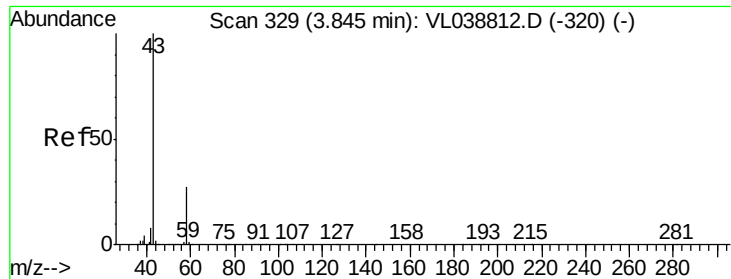
Tgt Ion: 45 Resp: 2172358

Ion Ratio Lower Upper

45 100

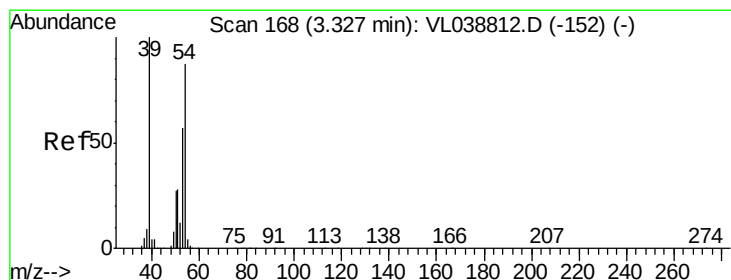
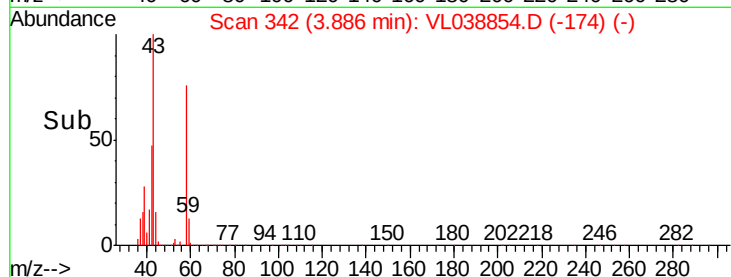
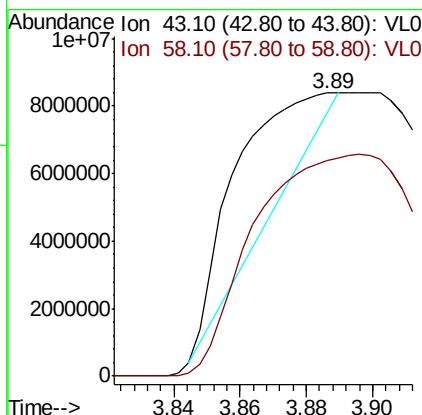
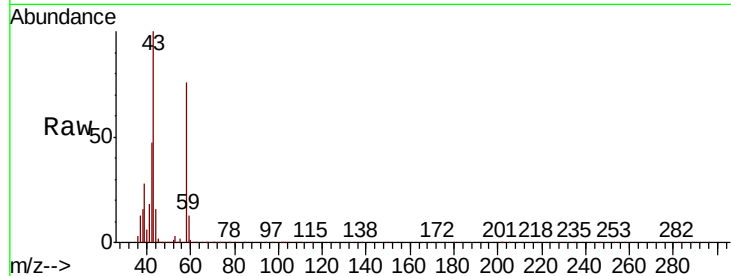
46 36.4 0.0 0.0#





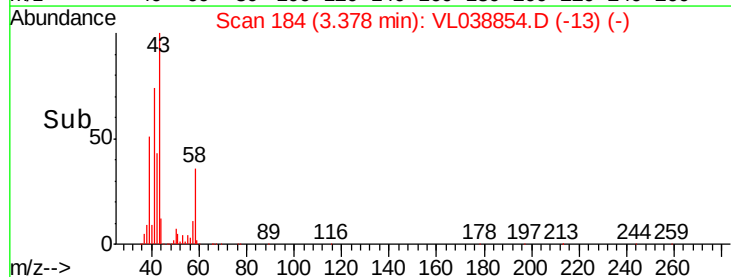
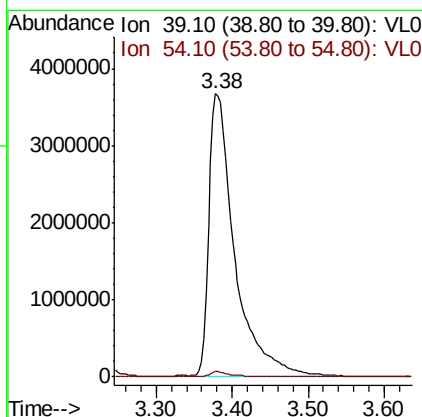
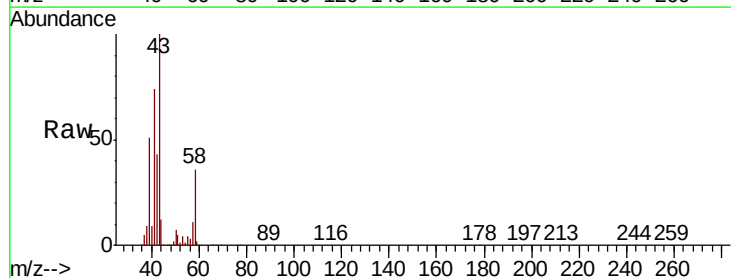
#15
Acetone
Concen: 49.868 ppbv
RT: 3.89
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Apr 2022 23:29

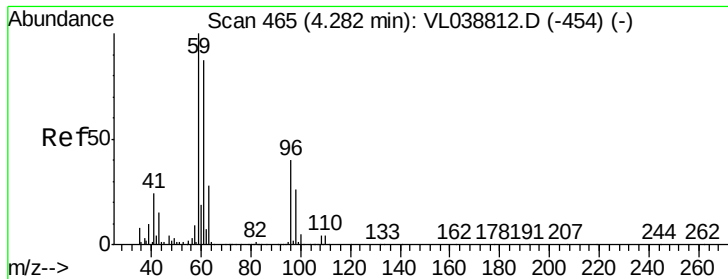
Tot Ion: 43 Resp: 6277759
Ion Ratio Lower Upper
43 100
58 448.3 22.5 33.7#



#16
1,3-Butadiene
Concen: 119.214 ppbv
RT: 3.38 min Scan# 184
Delta R.T. 0.05 min
Lab File: VL038854.D
Acq: 7 Apr 2022 23:29

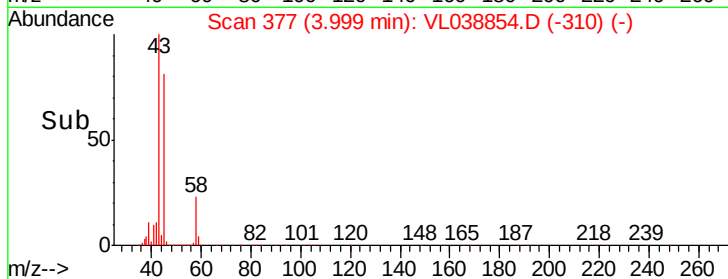
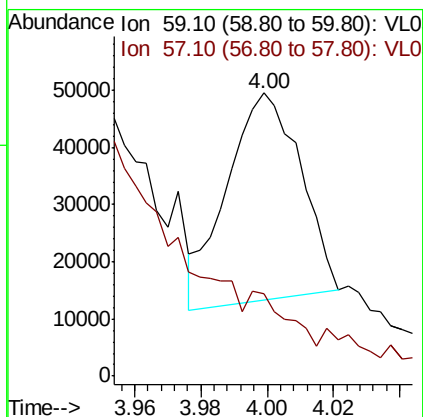
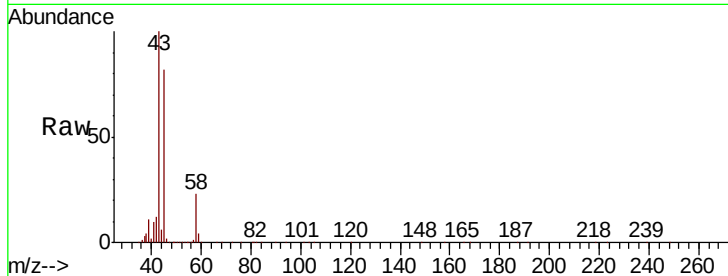
Tgt Ion: 39 Resp: 8579578
Ion Ratio Lower Upper
39 100
54 1.7 64.8 97.2#





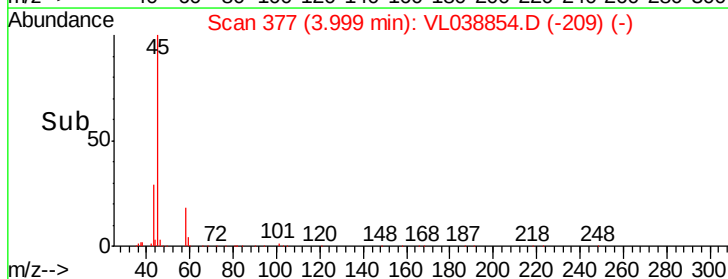
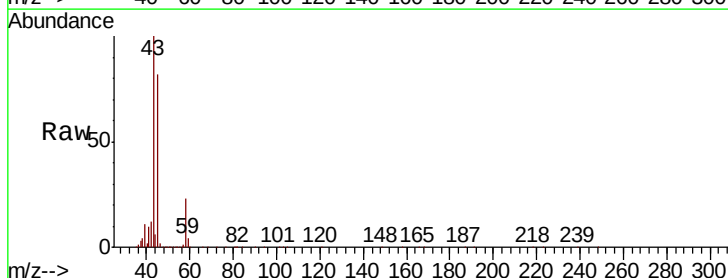
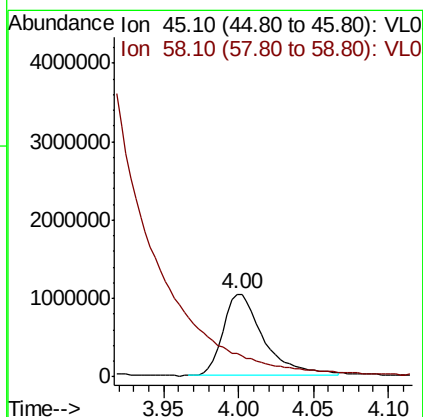
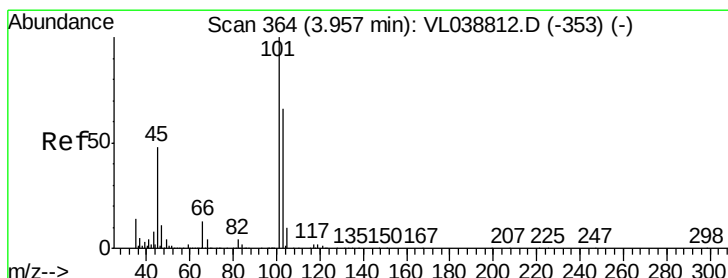
#17
tert-Butyl alcohol
Concen: 0.495 ppbv
RT: 4.00
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
1160-1-SG-3
Acq: 7 Apr 2022 23:29

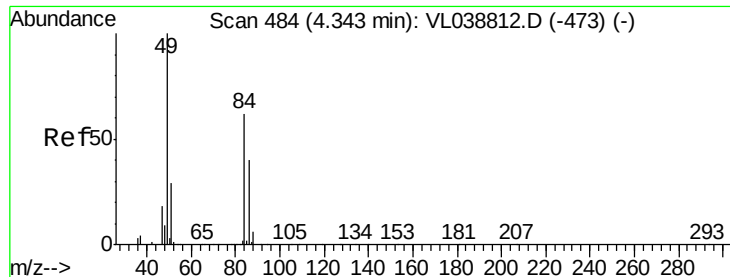
Tot Ion: 59 Resp: 55925
Ion Ratio Lower Upper
59 100
57 111.7 8.5 12.7#



#19
Isopropyl Alcohol
Concen: 30.987 ppbv
RT: 4.00 min Scan# 377
Delta R.T.: 0.04 min
Lab File: VL038854.D
Acq: 7 Apr 2022 23:29

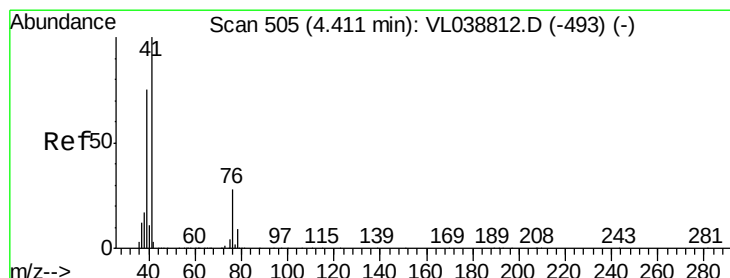
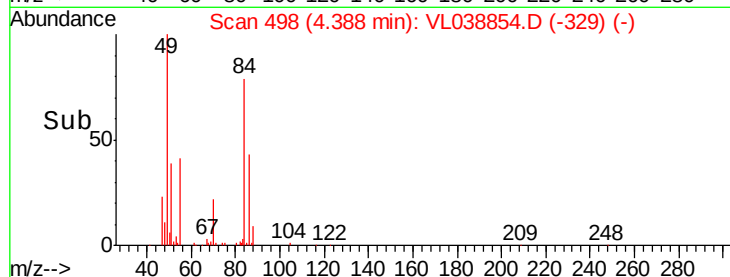
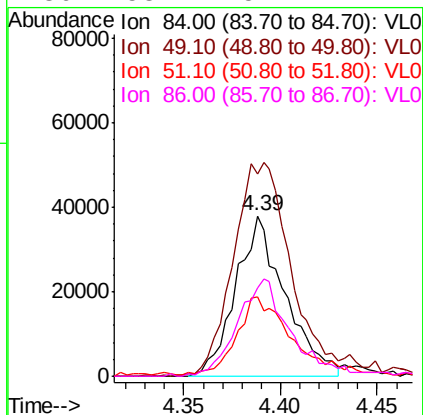
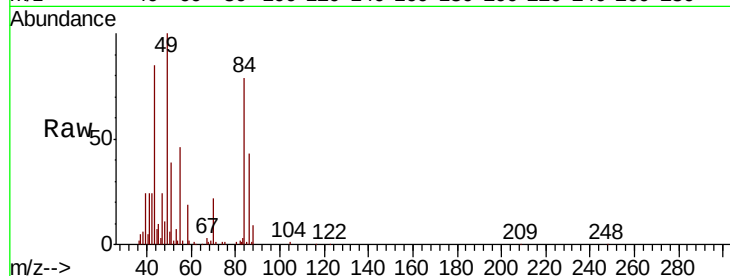
Tgt Ion: 45 Resp: 1993753
Ion Ratio Lower Upper
45 100
58 0.0 0.0 0.0





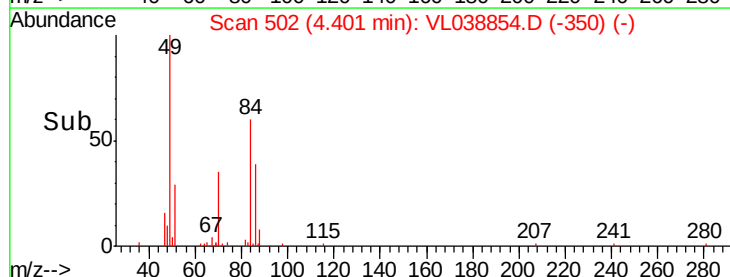
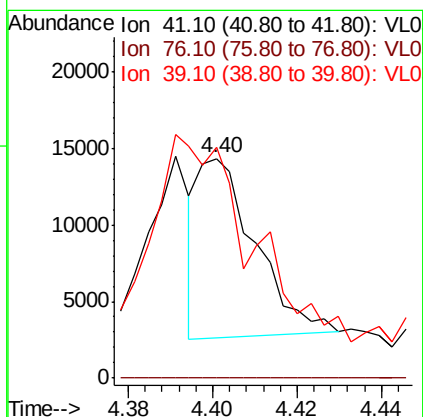
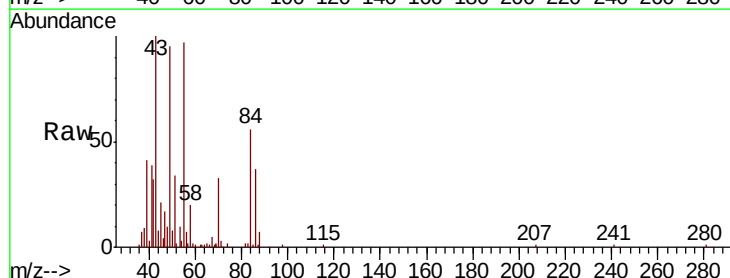
#20
Methylene Chloride
Concen: 1.475 ppbv
RT: 4.39
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 7 Apr 2022 23:29

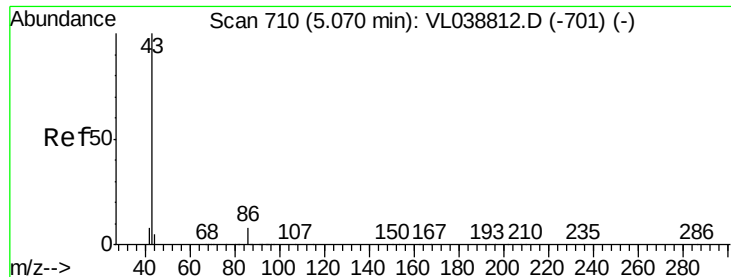
Tot Ion	84	Resp	67348
Ion Ratio	Lower	Upper	
84	100		
49	125.0	129.4	194.0#
51	47.3	37.4	56.2
86	53.7	51.4	77.2



#21
Allyl Chloride
Concen: 0.116 ppbv
RT: 4.40 min Scan# 502
Delta R.T.: -0.01 min
Lab File: VL038854.D
Acq: 7 Apr 2022 23:29

Tgt Ion	41	Resp	10964
Ion Ratio	Lower	Upper	
41	100		
76	0.7	23.7	35.5#
39	0.0	62.0	93.0#





#23

Vinyl Acetate

Concen: 0.276 ppbv

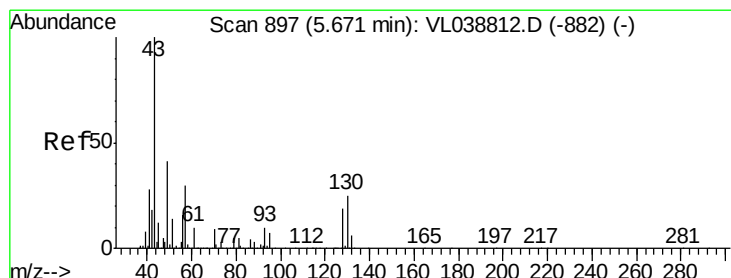
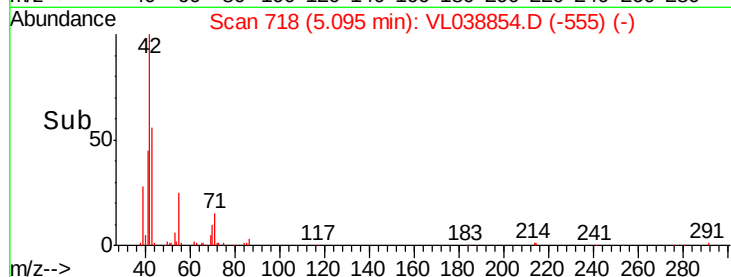
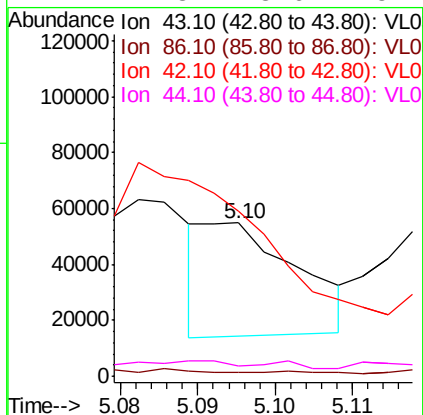
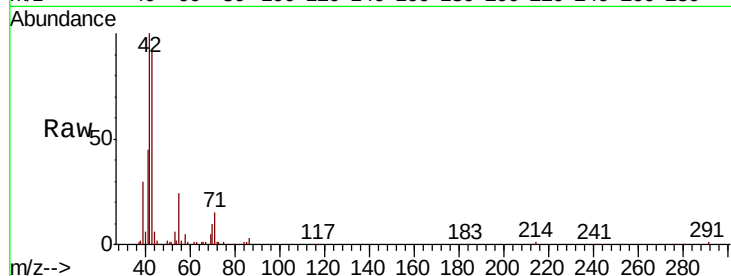
RT: 5.10 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 7 Apr 2022 23:29

Tot Ion:	43	Resp:	33837
Ion	Ratio	Lower	Upper
43	100		
86	1.1	5.8	8.6#
42	141.3	7.8	11.6#
44	4.3	3.6	5.4



#25

Ethyl Acetate

Concen: 1.729 ppbv

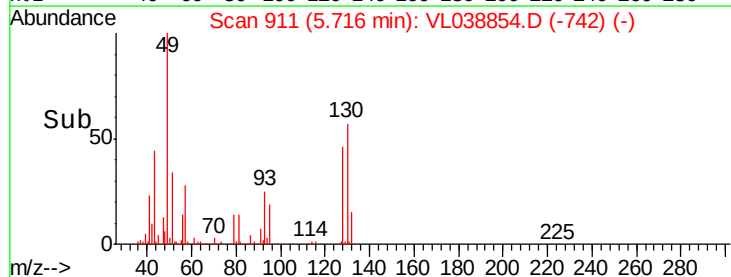
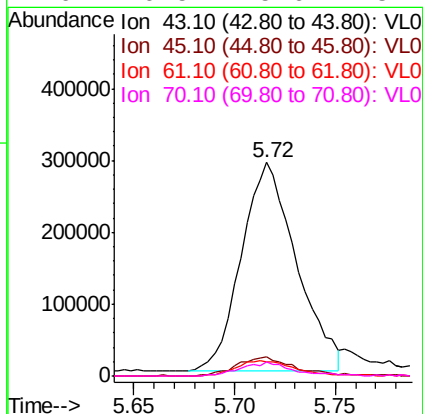
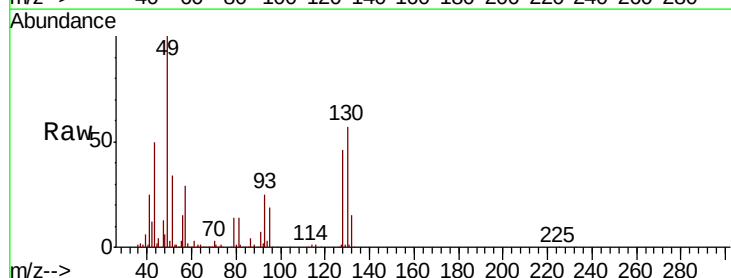
RT: 5.72 min Scan# 911

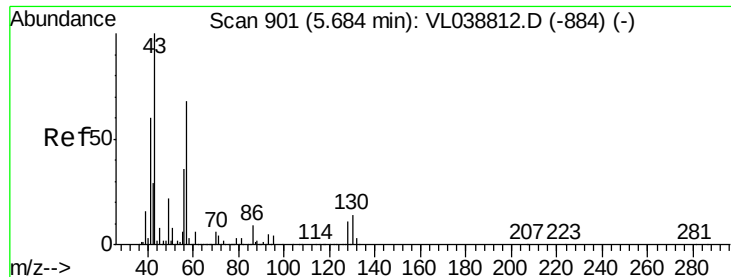
Delta R.T. 0.04 min

Lab File: VL038854.D

Acq: 7 Apr 2022 23:29

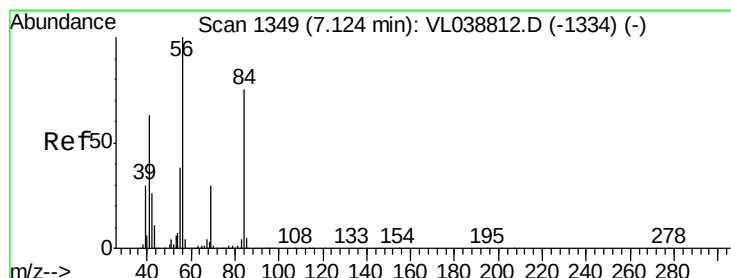
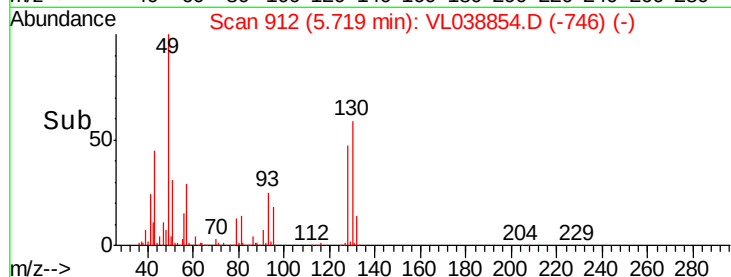
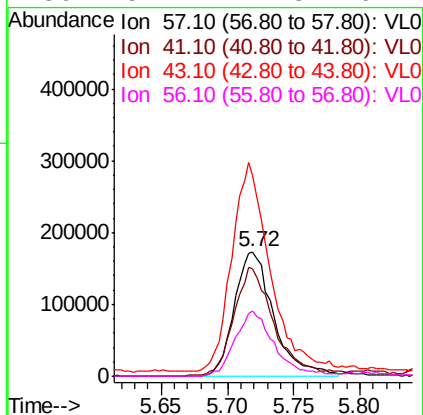
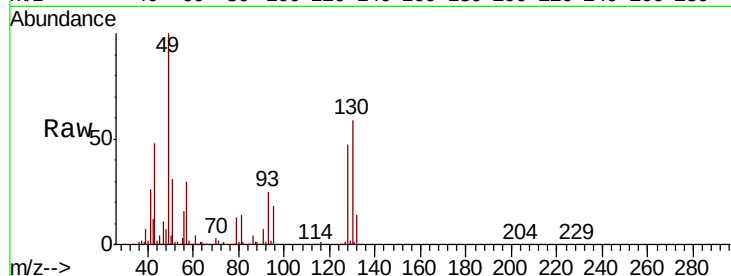
Tgt Ion:	43	Resp:	552287
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.4	12.6
61	8.3	7.9	11.9
70	6.5	5.6	8.4





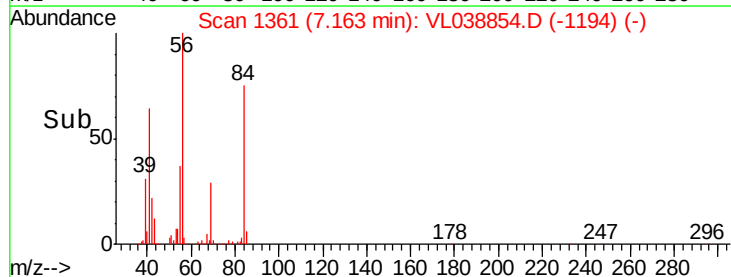
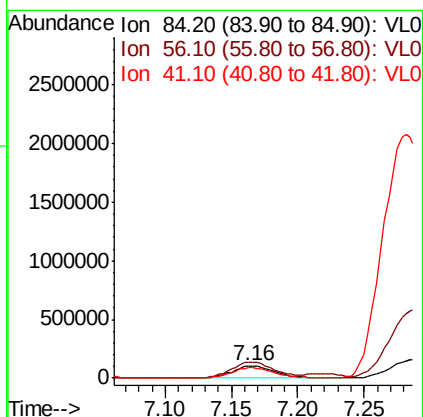
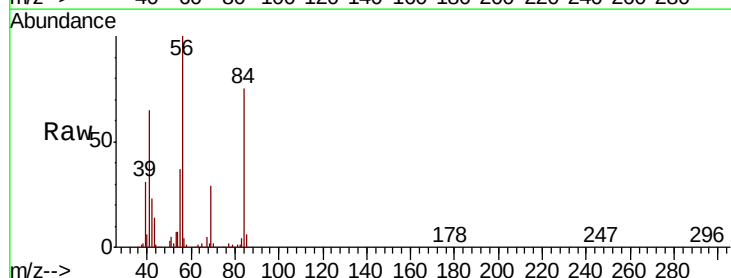
#26
Hexane
Concen: 2.455 ppbv
RT: 5.72
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Apr 2022 23:29

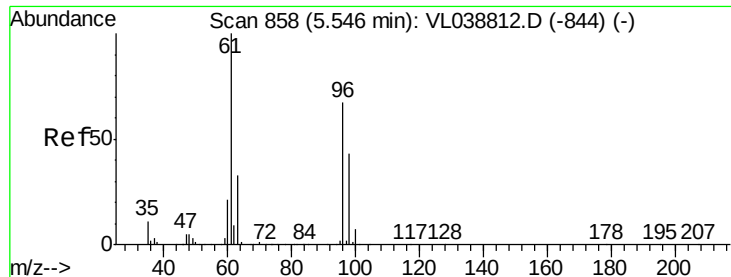
Tot Ion:	57	Resp:	356895
Ion	Ratio	Lower	Upper
57	100		
41	90.5	72.0	108.0
43	173.8	186.6	280.0
56	52.7	42.8	64.2



#30
Cyclohexane
Concen: 1.855 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. 0.04 min
Lab File: VL038854.D
Acq: 7 Apr 2022 23:29

Tgt Ion:	84	Resp:	237682
Ion	Ratio	Lower	Upper
84	100		
56	130.4	114.4	171.6
41	78.0	69.0	103.4





#31

cis-1,2-Dichloroethene

Concen: 0.176 ppbv

RT: 5.71 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 7 Apr 2022 23:29 1160-1-SG-3

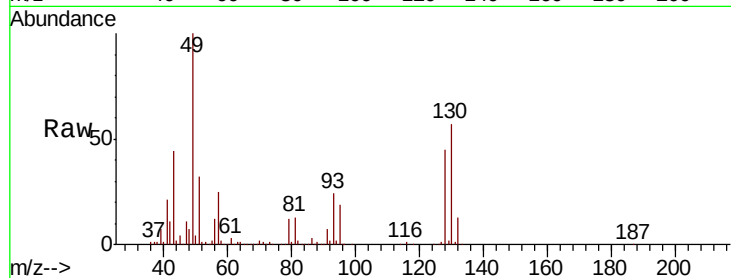
Tot Ion: 61 Resp: 23485

Ion Ratio Lower Upper

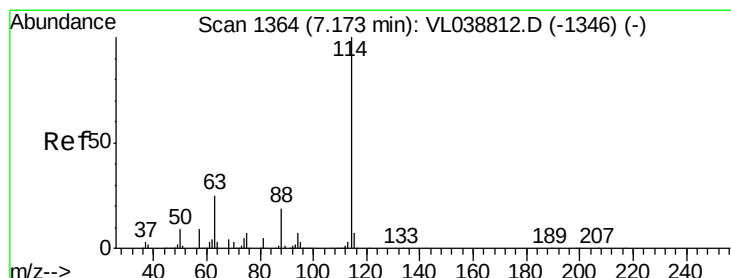
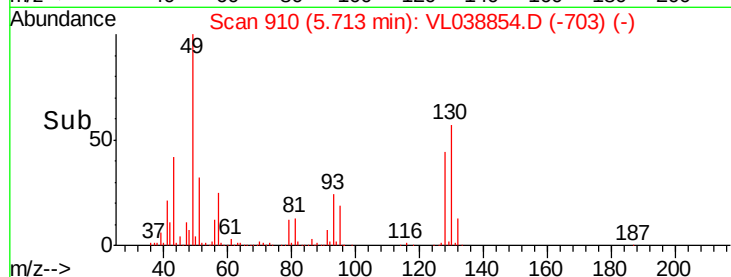
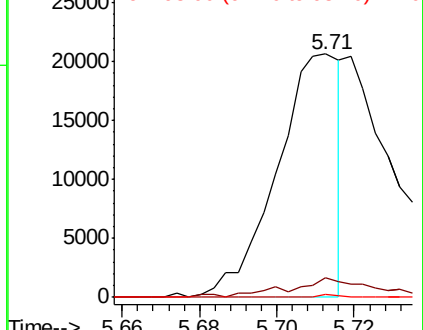
61 100

96 7.8 53.4 80.0#

98 1.2 34.2 51.4#



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.22 min Scan# 1379

Delta R.T. 0.05 min

Lab File: VL038854.D

Acq: 7 Apr 2022 23:29

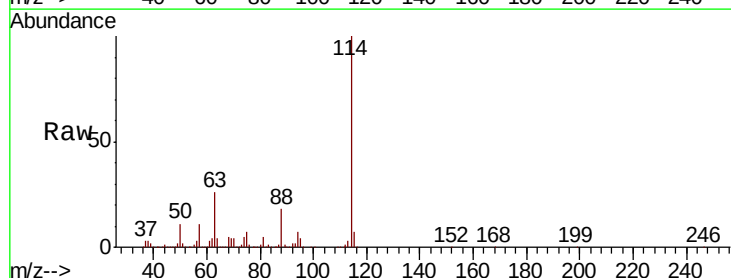
Tgt Ion: 114 Resp: 3073646

Ion Ratio Lower Upper

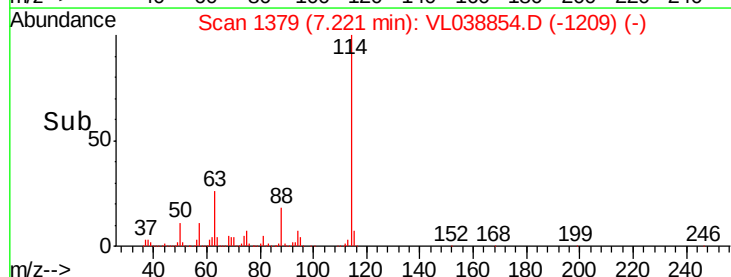
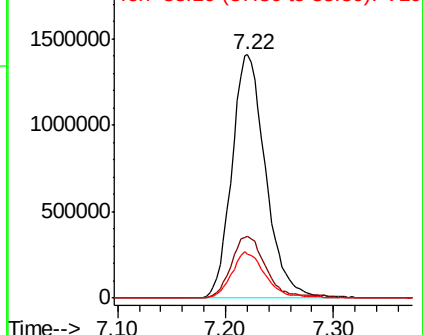
114 100

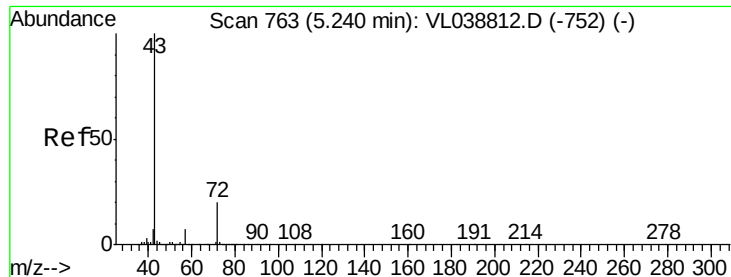
63 26.7 19.8 29.8

88 18.9 14.2 21.4



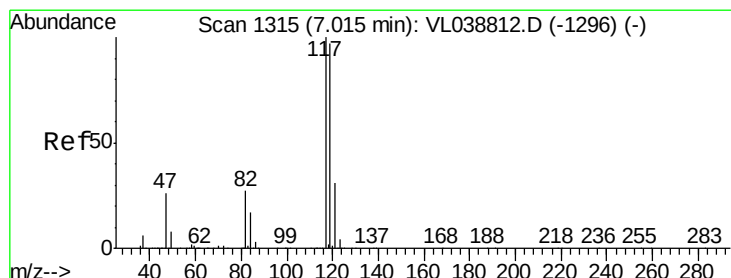
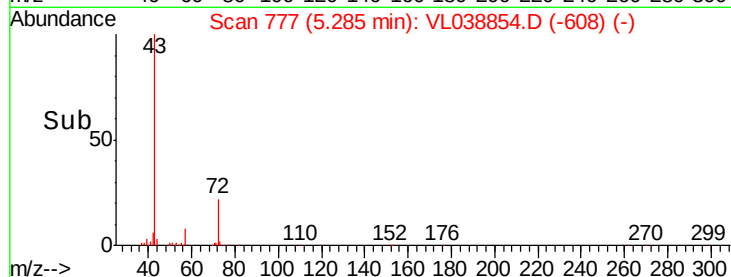
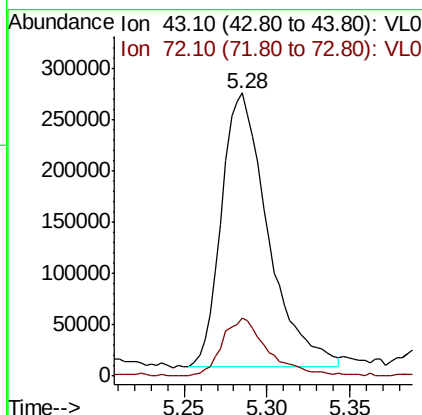
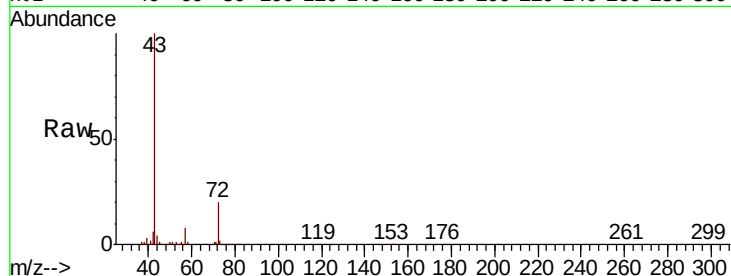
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





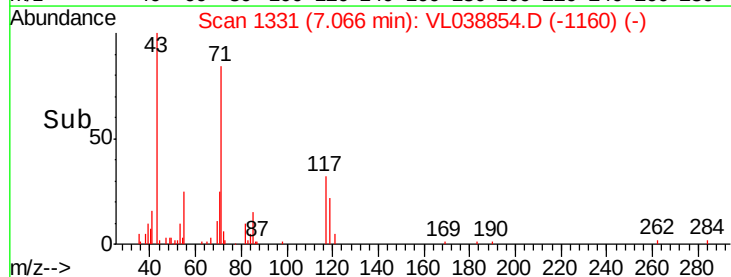
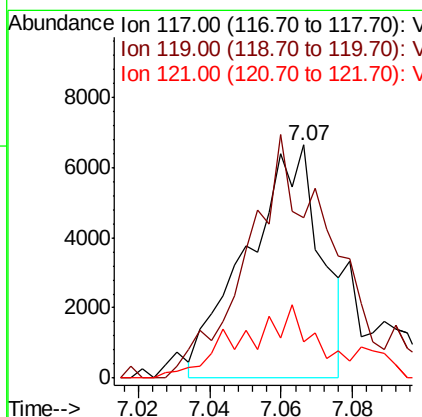
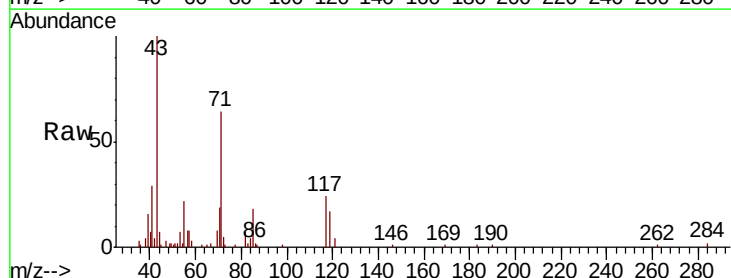
#34
 2-Butanone
 Concen: 4.299 ppbv
 RT: 5.28
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 1160-1-SG-3
 Acq: 7 Apr 2022 23:29

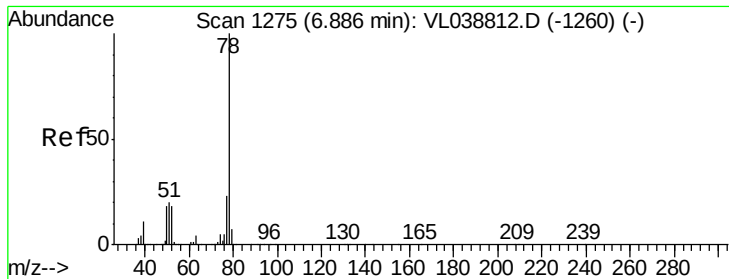
Tot Ion: 43 Resp: 522098
 Ion Ratio Lower Upper
 43 100
 72 21.3 16.9 25.3



#35
 Carbon Tetrachloride
 Concen: 0.051 ppbv
 RT: 7.07 min Scan# 1331
 Delta R.T. 0.05 min
 Lab File: VL038854.D
 Acq: 7 Apr 2022 23:29

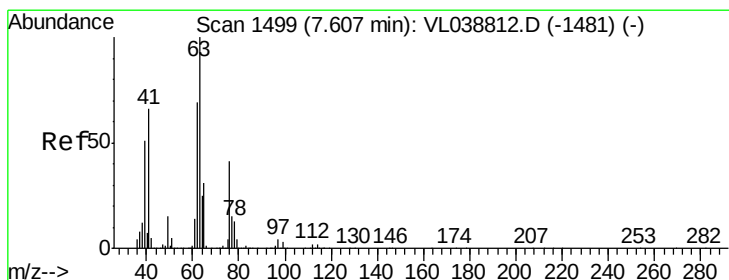
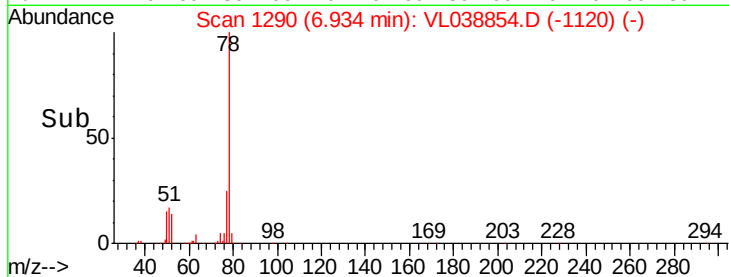
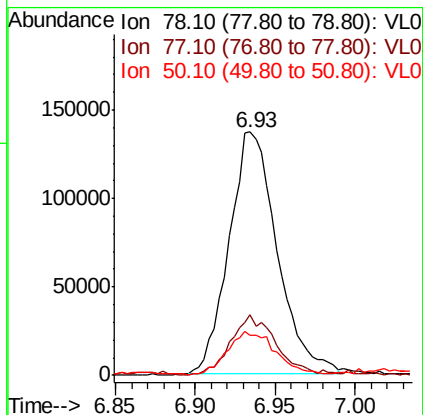
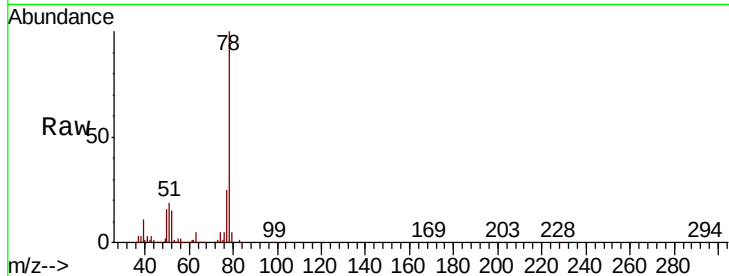
Tgt Ion: 117 Resp: 9472
 Ion Ratio Lower Upper
 117 100
 119 60.2 77.7 116.5#
 121 11.7 24.5 36.7#





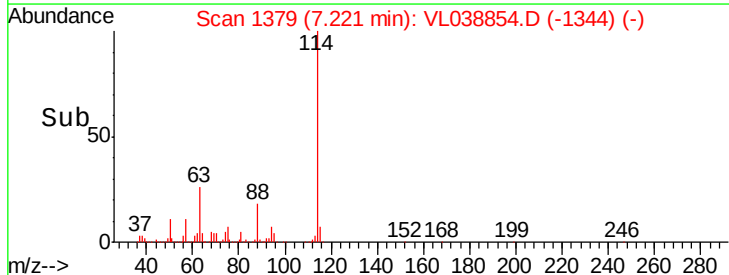
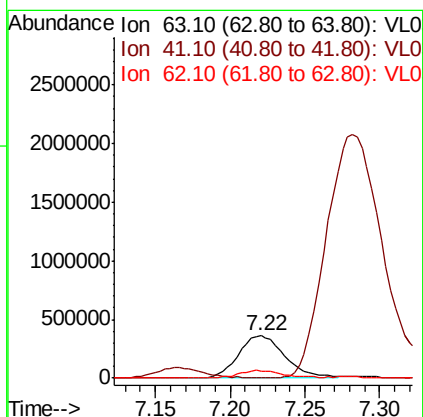
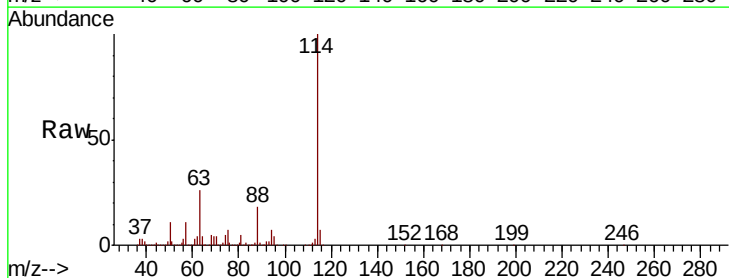
#36
Benzene
Concen: 1.010 ppbv
RT: 6.93
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Apr 2022 23:29

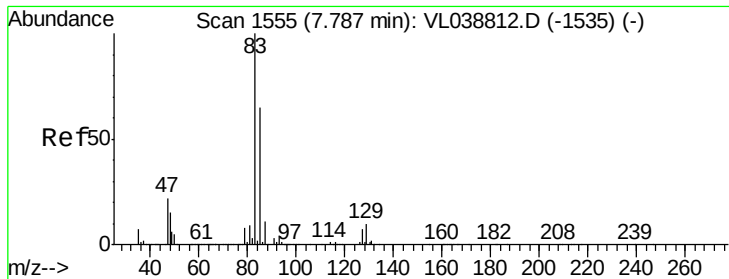
Tot Ion: 78 Resp: 282544
Ion Ratio Lower Upper
78 100
77 24.9 18.2 27.2
50 16.1 14.0 21.0



#39
1,2-Dichloropropane
Concen: 7.277 ppbv
RT: 7.22 min Scan# 1379
Delta R.T. -0.39 min
Lab File: VL038854.D
Acq: 7 Apr 2022 23:29

Tgt Ion: 63 Resp: 778294
Ion Ratio Lower Upper
63 100
41 0.0 53.0 79.6#
62 16.9 55.0 82.4#





#42

Bromodichloromethane

Concen: 0.248 ppbv

RT: 7.83 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 7 Apr 2022 23:29 1160-1-SG-3

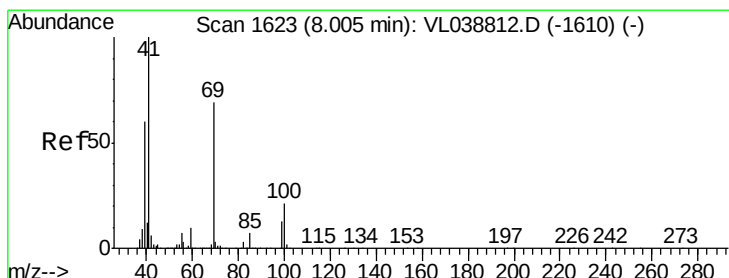
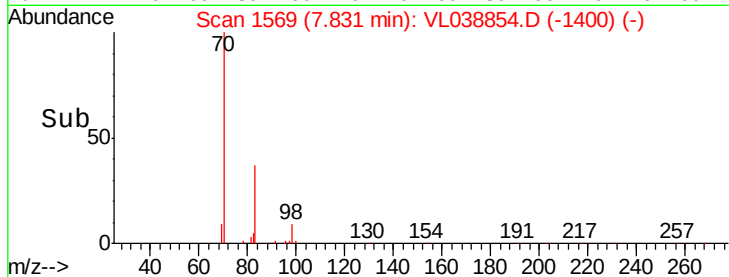
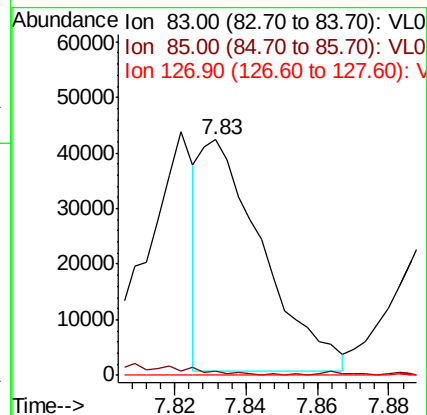
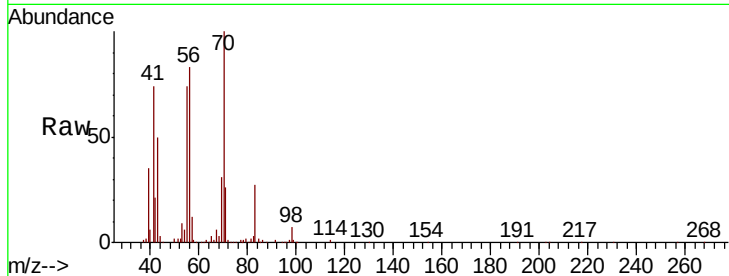
Tot Ion: 83 Resp: 50094

Ion Ratio Lower Upper

83 100

85 0.9 51.7 77.5#

127 0.0 5.9 8.9#



#43

Methyl Methacrylate

Concen: 0.104 ppbv

RT: 8.05 min Scan# 1638

Delta R.T. 0.05 min

Lab File: VL038854.D

Acq: 7 Apr 2022 23:29

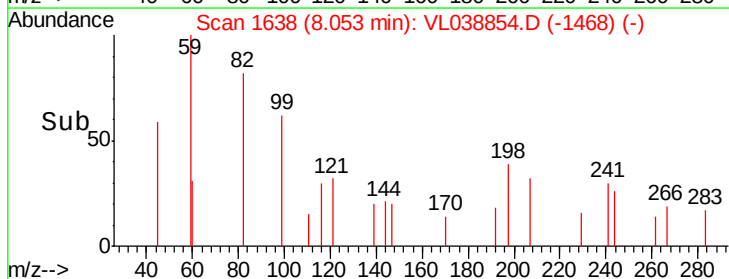
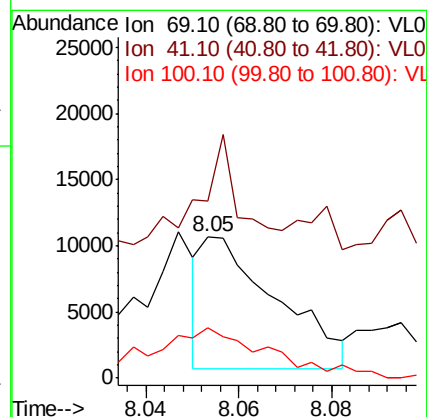
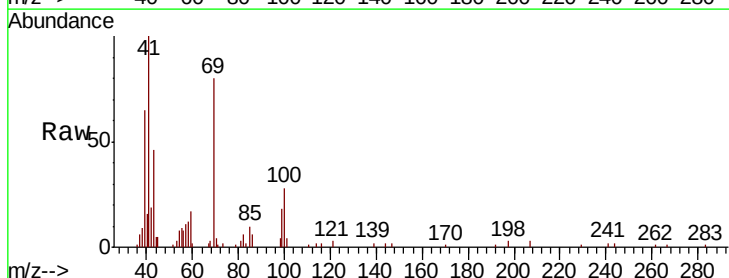
Tgt Ion: 69 Resp: 11140

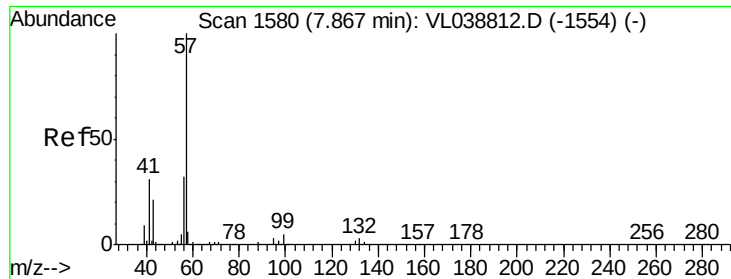
Ion Ratio Lower Upper

69 100

41 477.2 119.0 178.4#

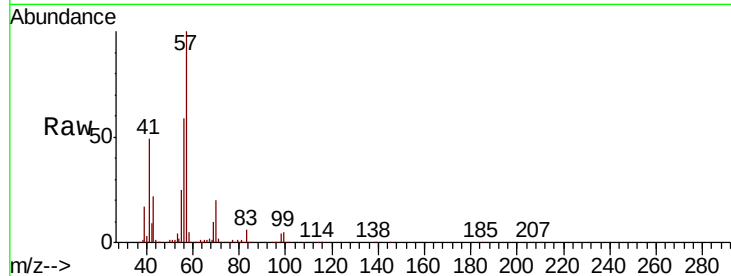
100 62.7 26.4 39.6#



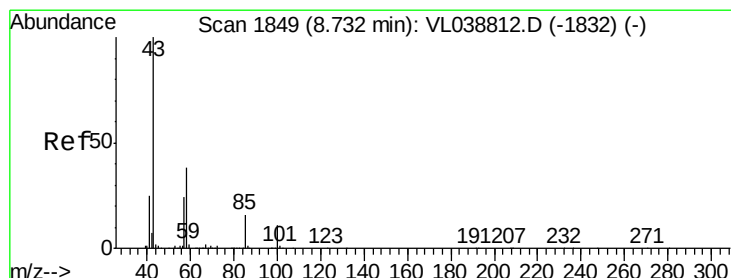
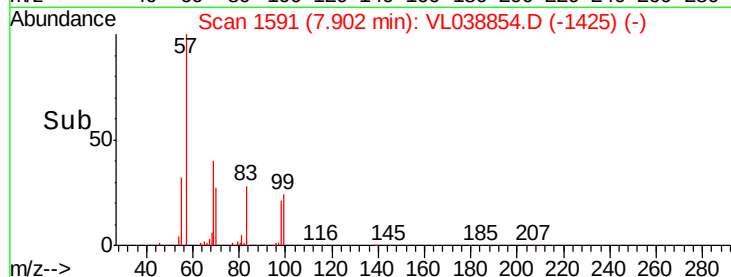
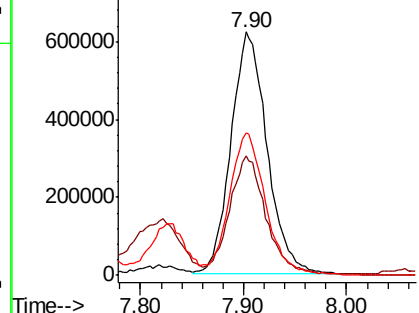


#44
 2,2,4-Trimethylpentane
 Concen: 3.210 ppbv
 RT: 7.90
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 1160-1-SG-3
 Acq: 7 Apr 2022 23:29

Tot Ion: 57 Resp: 1519830
 Ion Ratio Lower Upper
 57 100
 41 49.7 25.0 37.4#
 56 58.9 25.3 37.9#

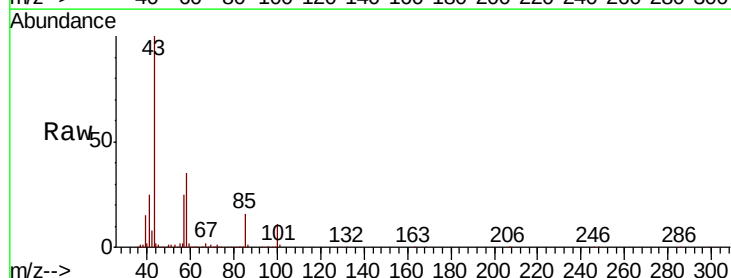


Abundance Ion 57.10 (56.80 to 57.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 56.10 (55.80 to 56.80): VL0

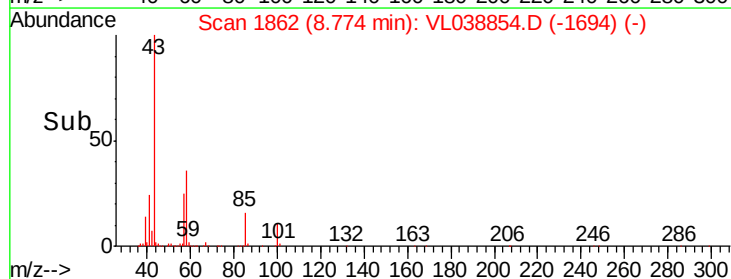
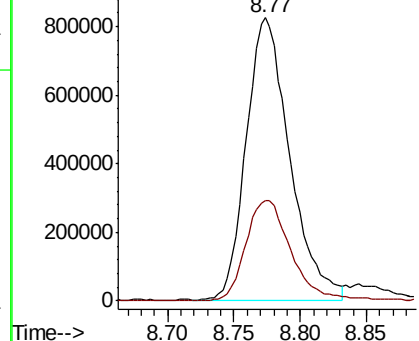


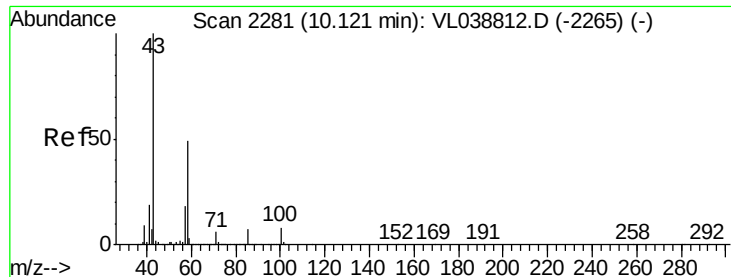
#50
 4-Methyl-2-Pentanone
 Concen: 6.864 ppbv
 RT: 8.77 min Scan# 1862
 Delta R.T. 0.04 min
 Lab File: VL038854.D
 Acq: 7 Apr 2022 23:29

Tgt Ion: 43 Resp: 1875259
 Ion Ratio Lower Upper
 43 100
 58 37.5 29.0 43.6



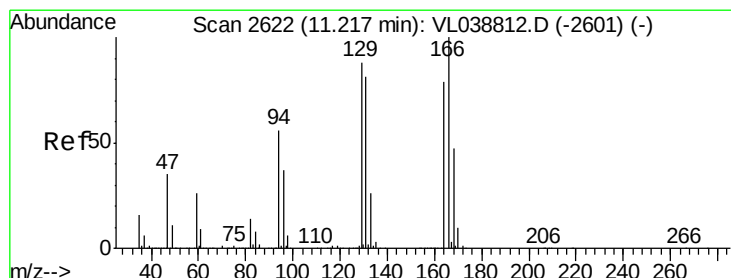
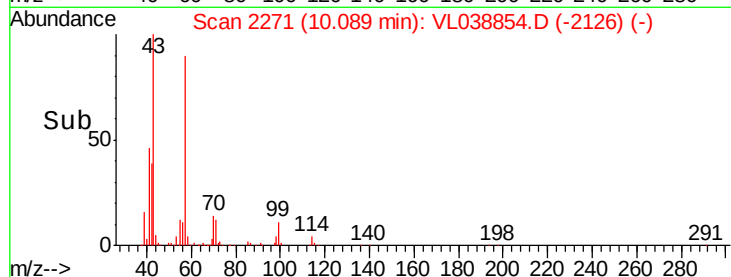
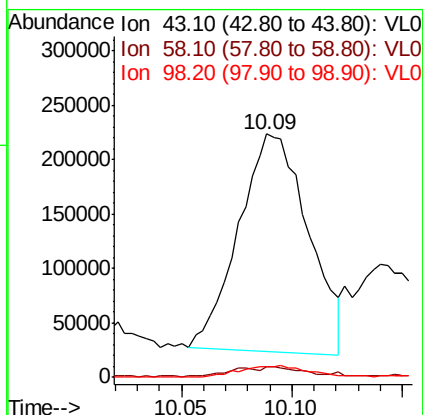
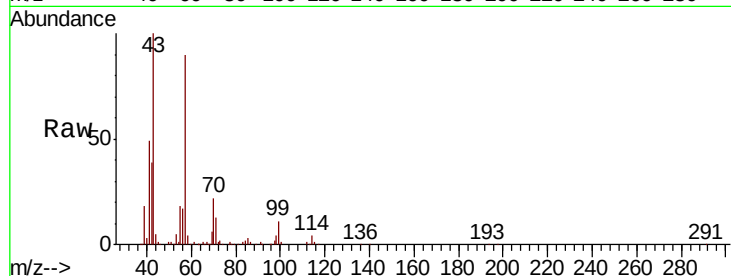
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0





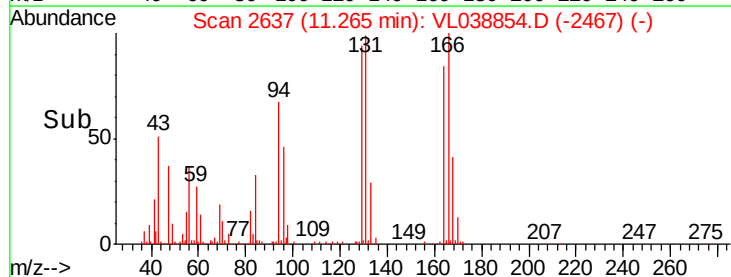
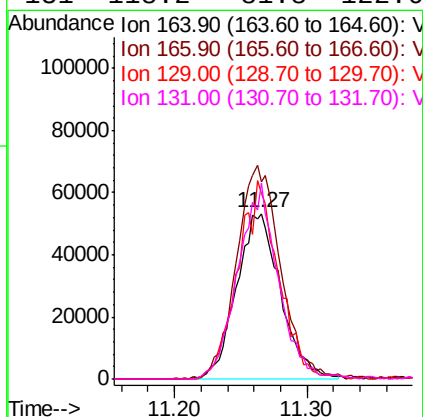
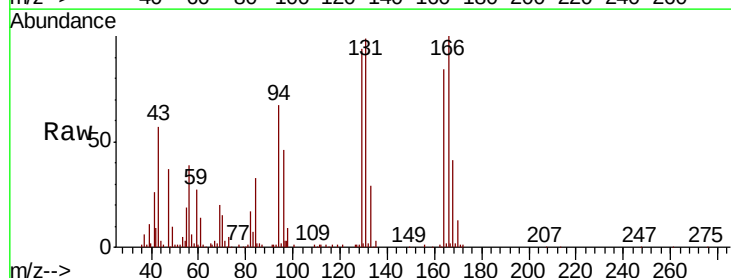
#51
2-Hexanone
Concen: 2.126 ppbv
RT: 10.09 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : 1160-1-SG-3
Acq: 7 Apr 2022 23:29

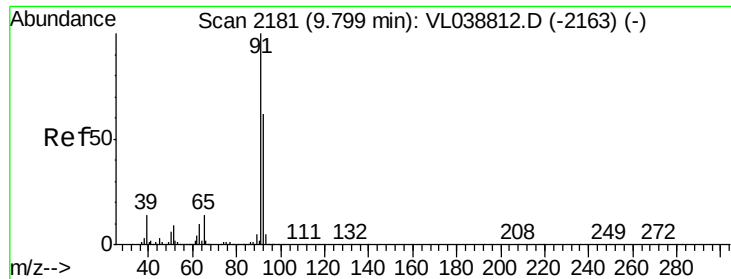
Tot Ion	Ratio	Lower	Upper
43	100		
58	4.8	41.4	62.0#
98	6.1	0.1	0.1#



#52
Tetrachloroethene
Concen: 1.258 ppbv
RT: 11.27 min Scan# 2637
Delta R.T. 0.05 min
Lab File: VL038854.D
Acq: 7 Apr 2022 23:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.5	101.0	151.6
129	112.1	88.7	133.1
131	118.2	81.8	122.6





#53

Toluene

Concen: 5.733 ppbv

RT: 9.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

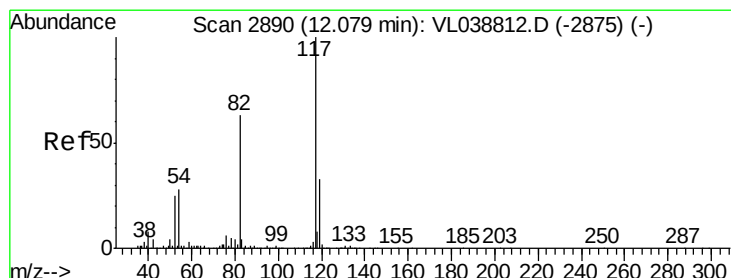
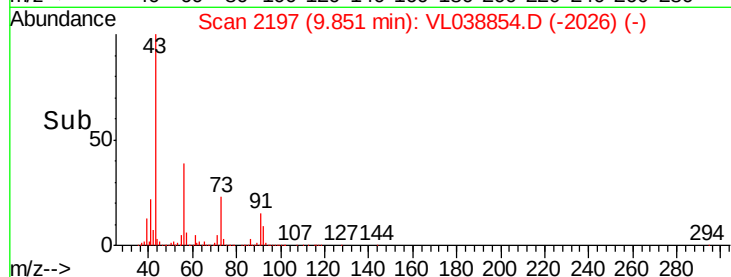
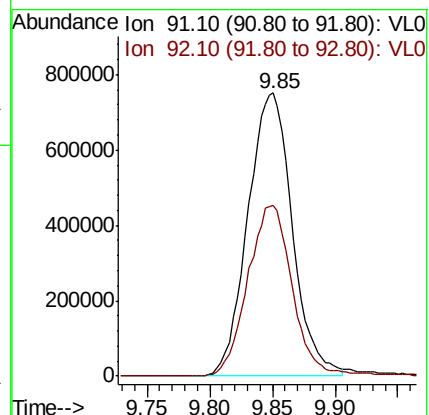
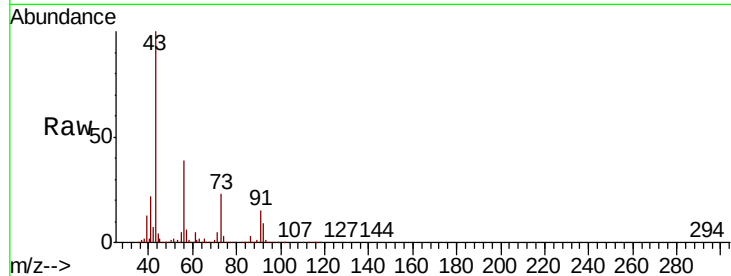
Acq: 7 Apr 2022 23:29 1160-1-SG-3

Tot Ion: 91 Resp: 1850471

Ion Ratio Lower Upper

91 100

92 61.3 49.2 73.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. 0.04 min

Lab File: VL038854.D

Acq: 7 Apr 2022 23:29

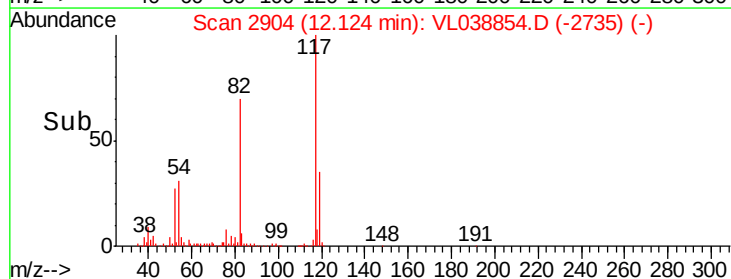
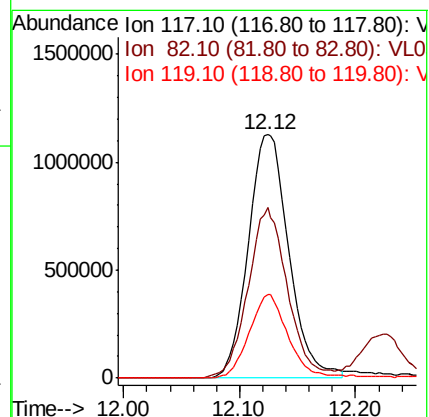
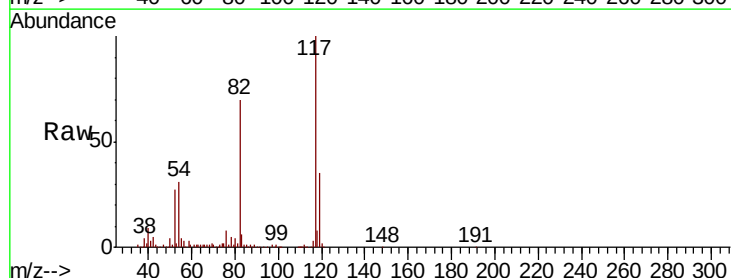
Tgt Ion: 117 Resp: 2746149

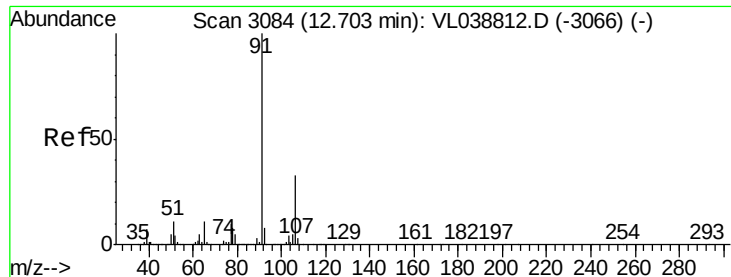
Ion Ratio Lower Upper

117 100

82 68.7 53.0 79.6

119 34.2 24.9 37.3





#58

Ethyl Benzene

Concen: 10.727 ppbv

RT: 12.75

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

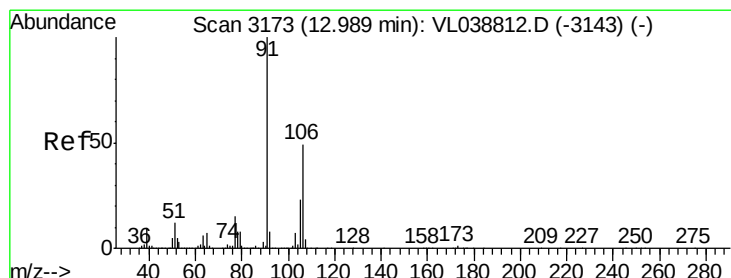
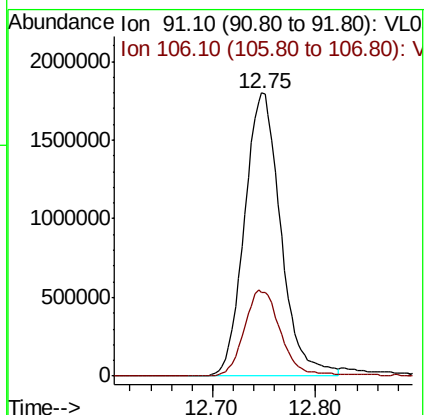
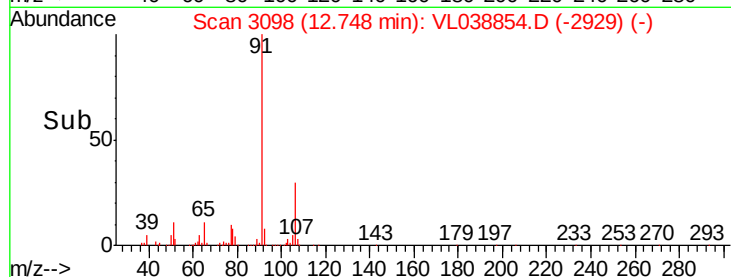
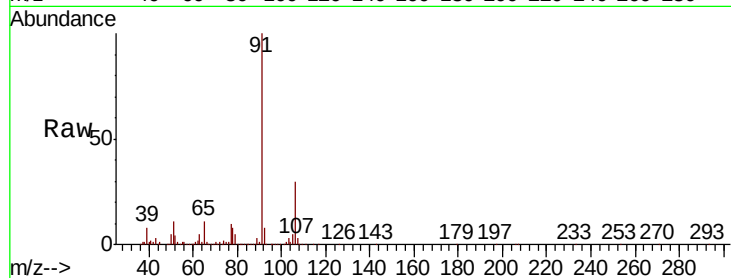
Acq: 7 Apr 2022 23:29

Tot Ion: 91 Resp: 4401855

Ion Ratio Lower Upper

91 100

106 29.8 26.7 40.1



#59

m/p-Xylene

Concen: 36.191 ppbv

RT: 13.00 min Scan# 3178

Delta R.T. 0.02 min

Lab File: VL038854.D

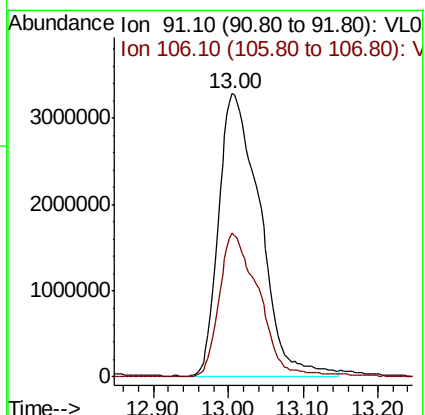
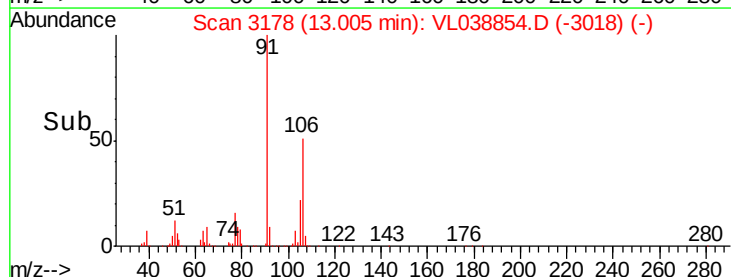
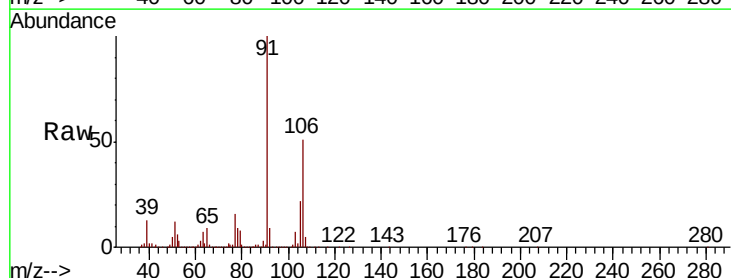
Acq: 7 Apr 2022 23:29

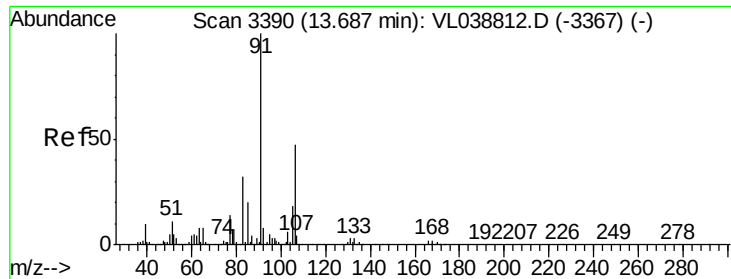
Tgt Ion: 91 Resp: 12476835

Ion Ratio Lower Upper

91 100

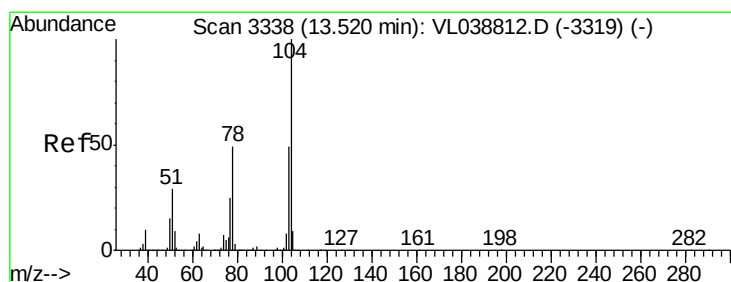
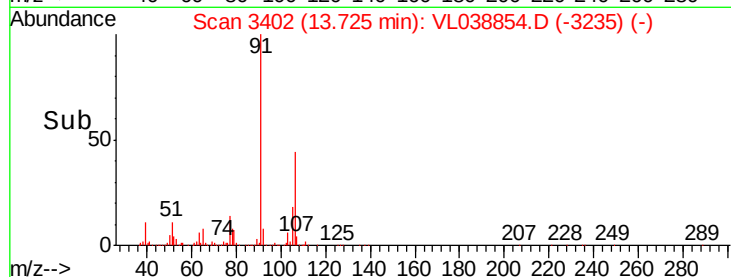
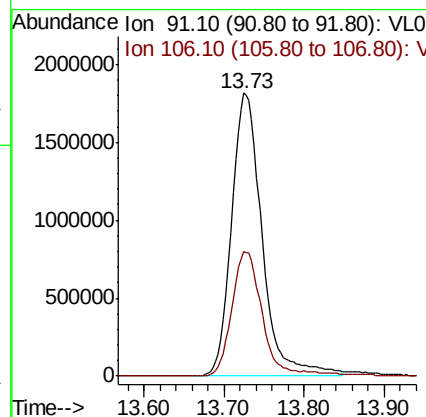
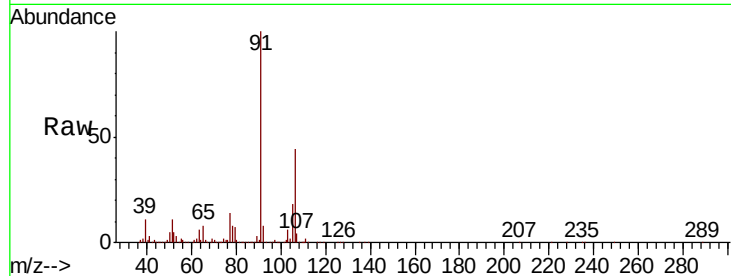
106 49.8 37.1 55.7





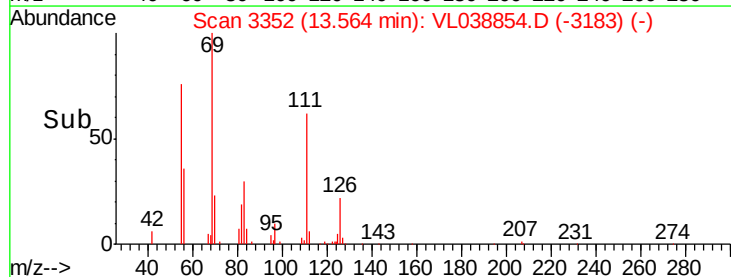
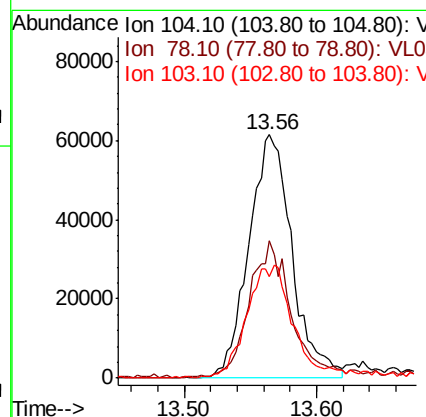
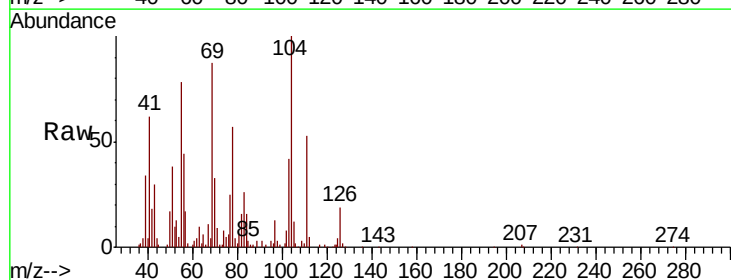
#60
o-Xylene
Concen: 14.646 ppbv
RT: 13.73
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Apr 2022 23:29

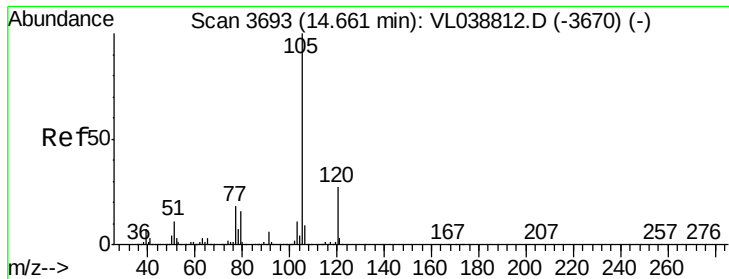
Tot Ion: 91 Resp: 4724612
Ion Ratio Lower Upper
91 100
106 44.6 23.8 71.4



#61
Styrene
Concen: 0.712 ppbv
RT: 13.56 min Scan# 3352
Delta R.T. 0.04 min
Lab File: VL038854.D
Acq: 7 Apr 2022 23:29

Tgt Ion: 104 Resp: 139863
Ion Ratio Lower Upper
104 100
78 56.6 40.5 60.7
103 51.9 39.0 58.4





#62

Isopropylbenzene

Concen: 0.472 ppbv

RT: 14.70

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

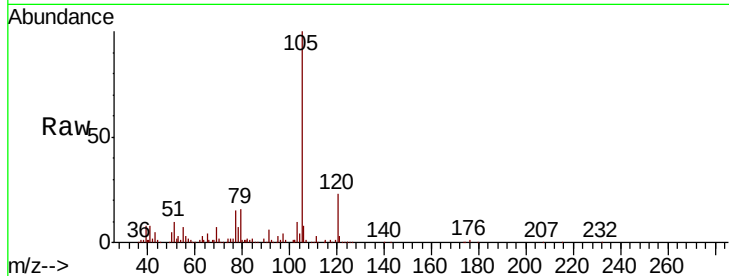
Acq: 7 Apr 2022 23:29

Tot Ion: 105 Resp: 228486

Ion Ratio Lower Upper

105 100

120 25.7 21.8 32.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

120000

100000

80000

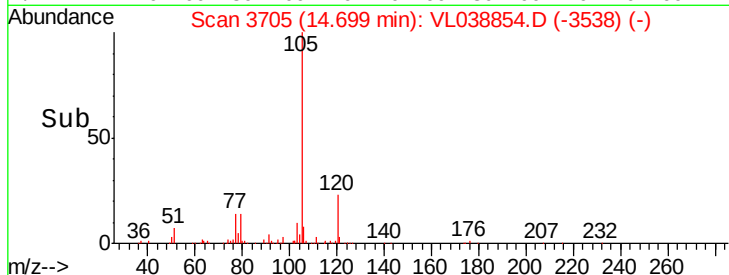
60000

40000

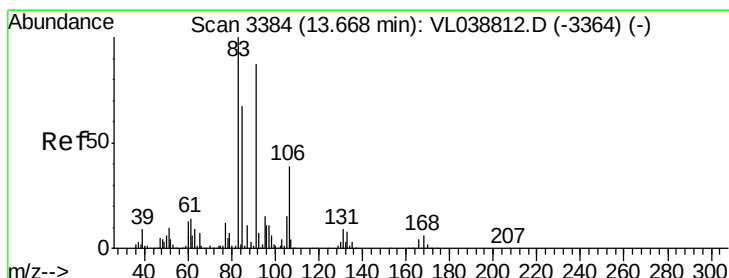
20000

0

14.60 14.65 14.70 14.75



Time-->



#63

1,1,2,2-Tetrachloroethane

Concen: 0.114 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. 0.03 min

Lab File: VL038854.D

Acq: 7 Apr 2022 23:29

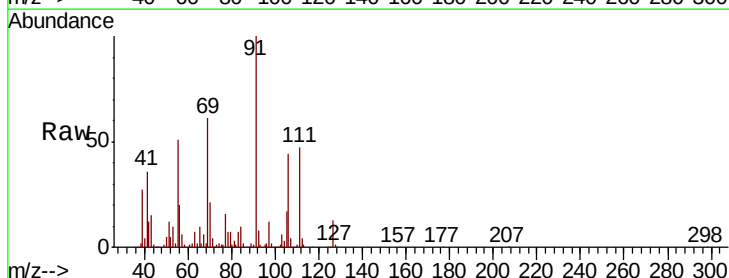
Tgt Ion: 83 Resp: 23296

Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

85 57.1 33.0 99.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

20000

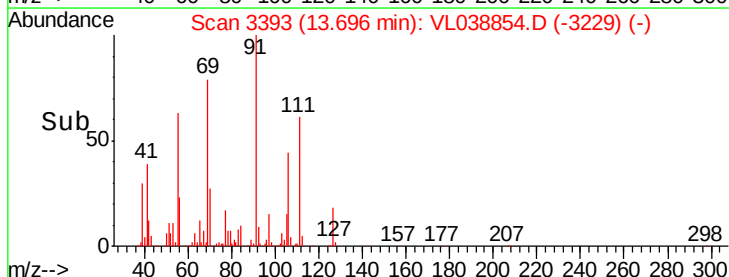
15000

10000

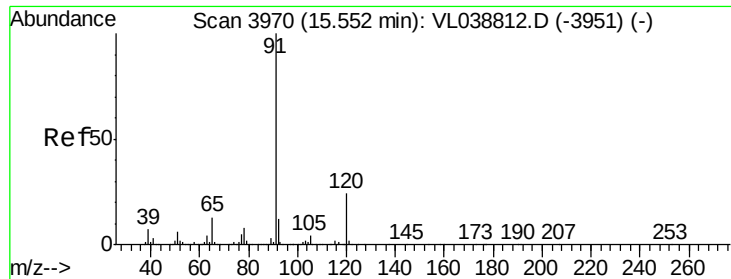
5000

0

13.70 13.75



Time-->



#64

n-propylbenzene

Concen: 1.704 ppbv

RT: 15.59

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

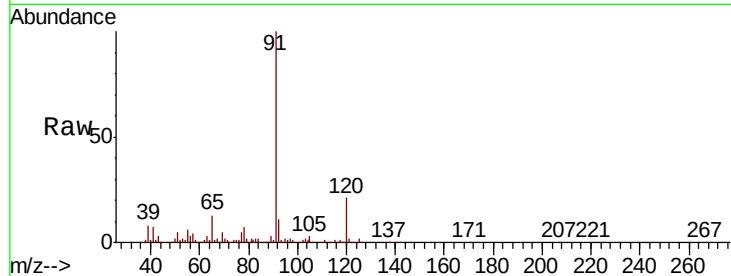
Acq: 7 Apr 2022 23:29

Tot Ion:120 Resp: 214199

Ion Ratio Lower Upper

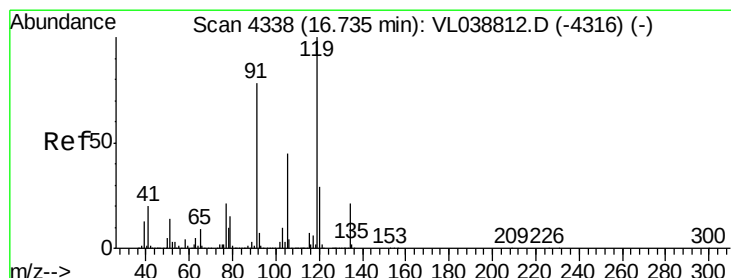
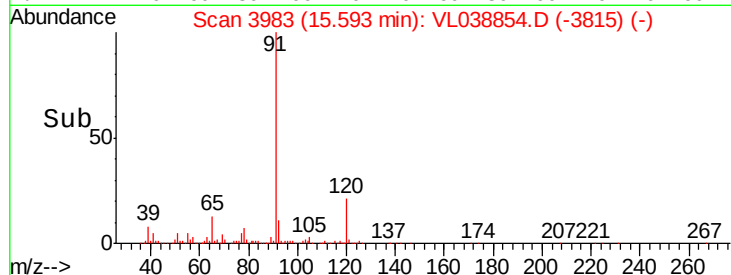
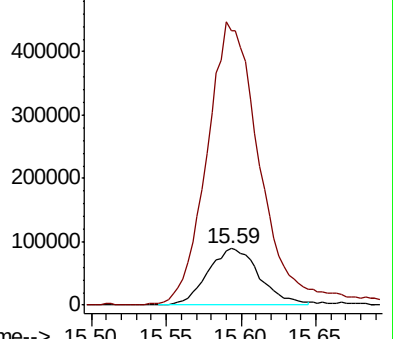
120 100

91 522.4 360.6 540.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.882 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. 0.06 min

Lab File: VL038854.D

Acq: 7 Apr 2022 23:29

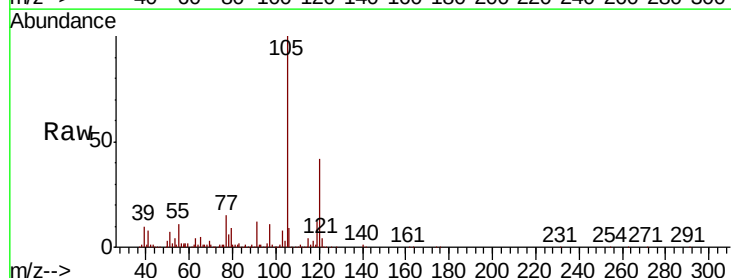
Tgt Ion:119 Resp: 378959

Ion Ratio Lower Upper

119 100

91 110.7 62.8 94.2#

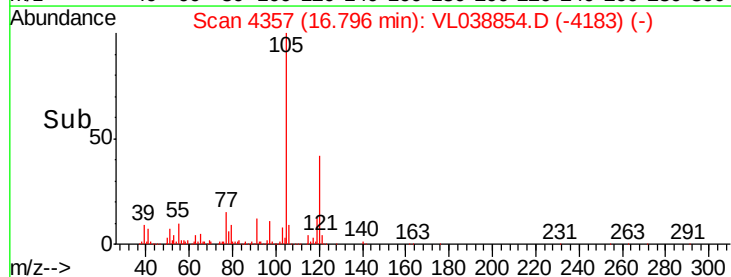
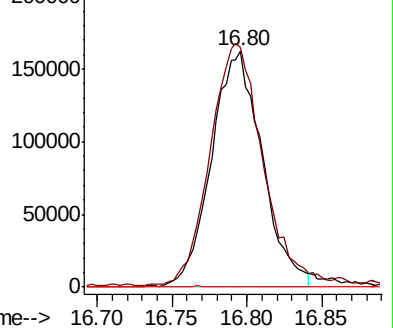
134 0.1 16.2 24.4#

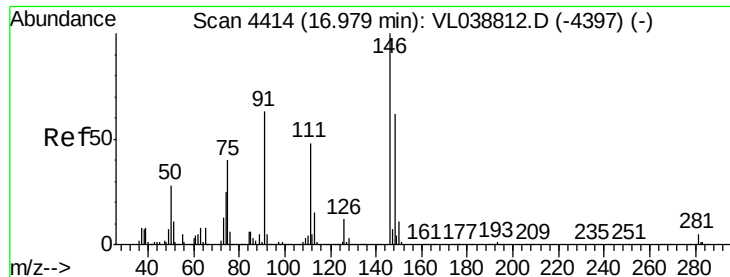


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

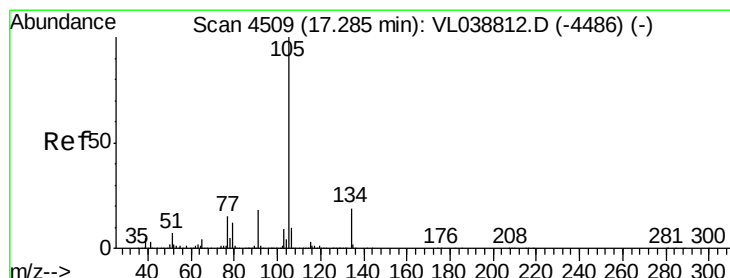
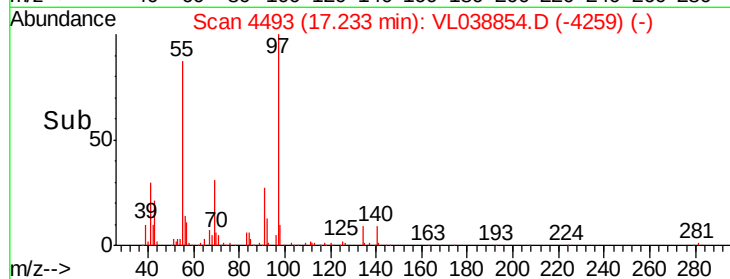
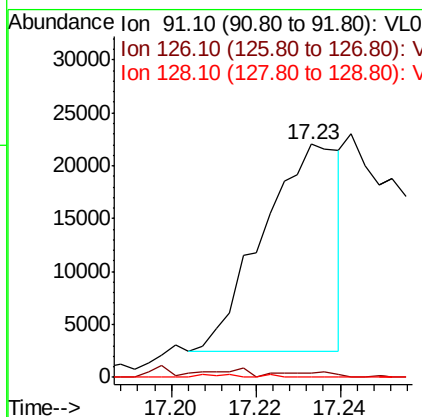
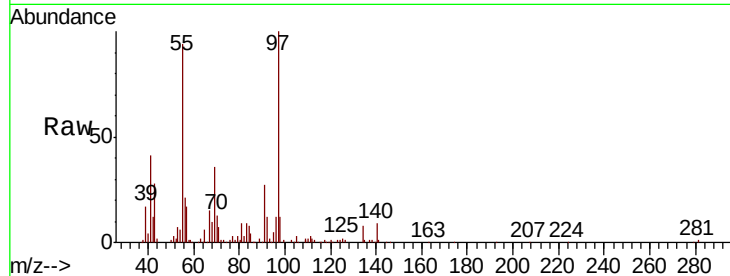
Ion 134.20 (133.90 to 134.90): V





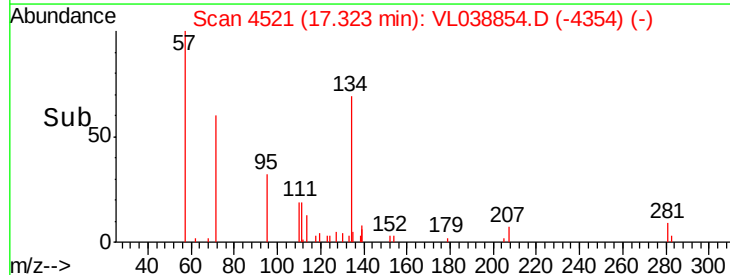
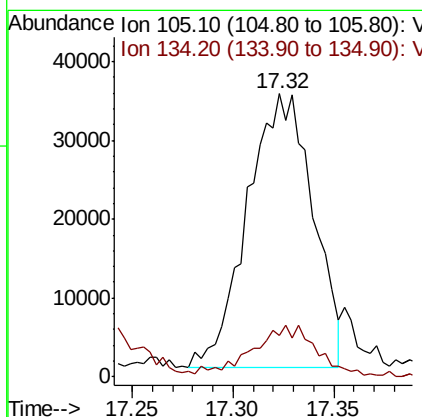
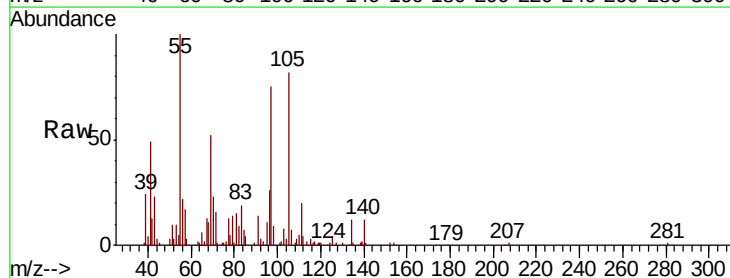
#66
Benzyl Chloride
Concen: 0.282 ppbv
RT: 17.23 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 7 Apr 2022 23:29

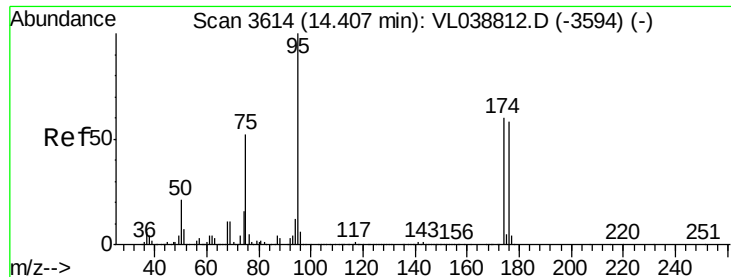
Tot Ion: 91 Resp: 24680
Ion Ratio Lower Upper
91 100
126 6.3 15.4 23.0#
128 0.8 4.7 7.1#



#67
sec-Butylbenzene
Concen: 0.131 ppbv
RT: 17.32 min Scan# 4521
Delta R.T.: 0.04 min
Lab File: VL038854.D
Acq: 7 Apr 2022 23:29

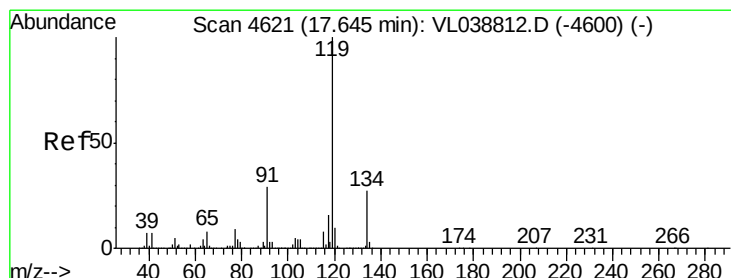
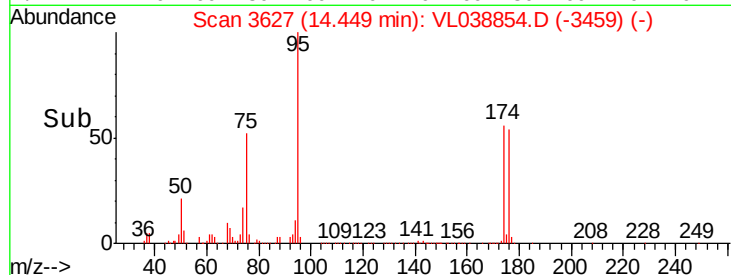
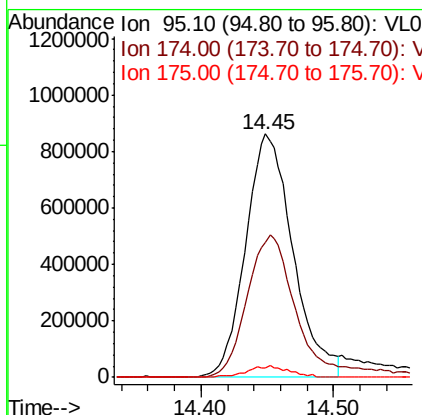
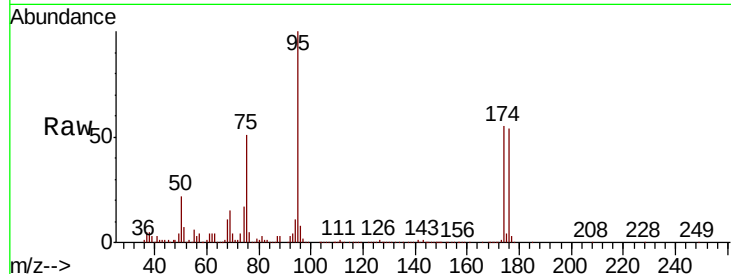
Tgt Ion: 105 Resp: 78846
Ion Ratio Lower Upper
105 100
134 18.5 15.1 22.7





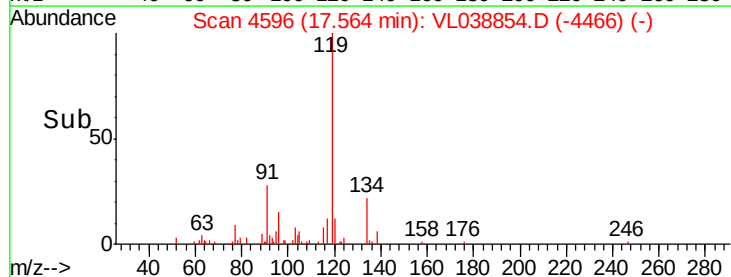
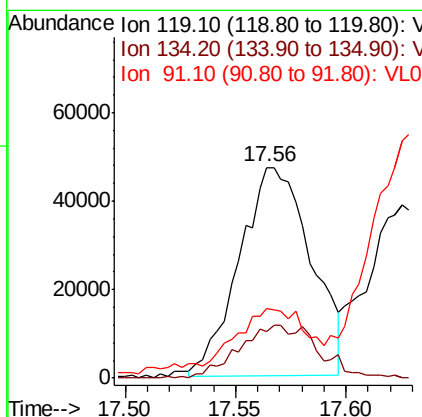
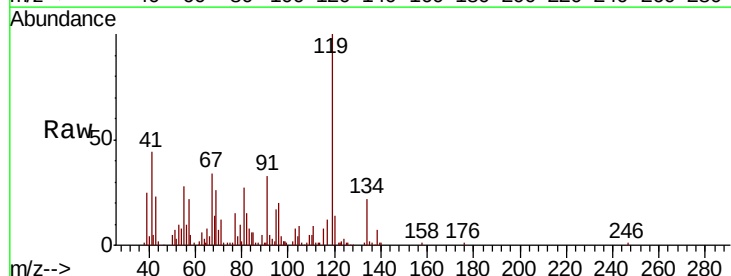
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.245 ppbv
 RT: 14.45 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Apr 2022 23:29

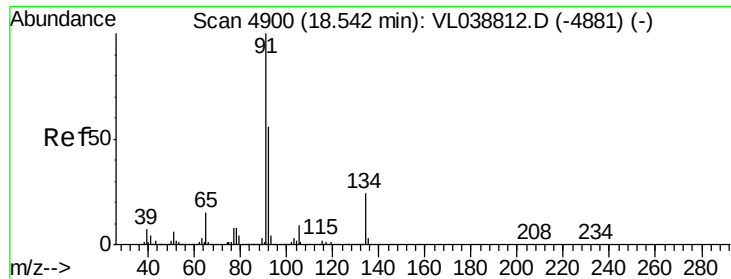
Tot Ion: 95 Resp: 2134070
 Ion Ratio Lower Upper
 95 100
 174 64.2 52.0 78.0
 175 4.7 4.0 6.0



#69
 p-Isopropyltoluene
 Concen: 0.216 ppbv
 RT: 17.56 min Scan# 4596
 Delta R.T. -0.08 min
 Lab File: VL038854.D
 Acq: 7 Apr 2022 23:29

Tgt Ion: 119 Resp: 106753
 Ion Ratio Lower Upper
 119 100
 134 27.9 20.8 31.2
 91 32.7 22.6 34.0





#70

n-Butylbenzene

Concen: 0.239 ppbv

RT: 18.58

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Apr 2022 23:29

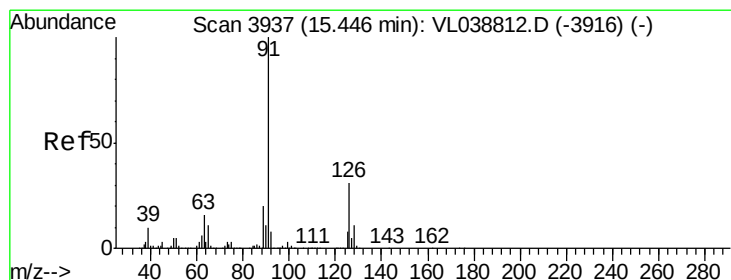
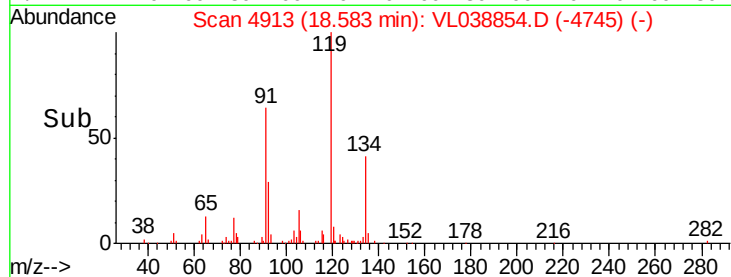
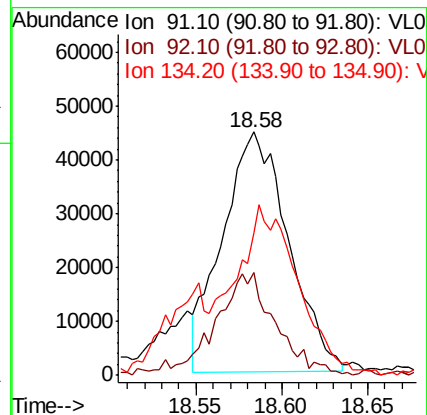
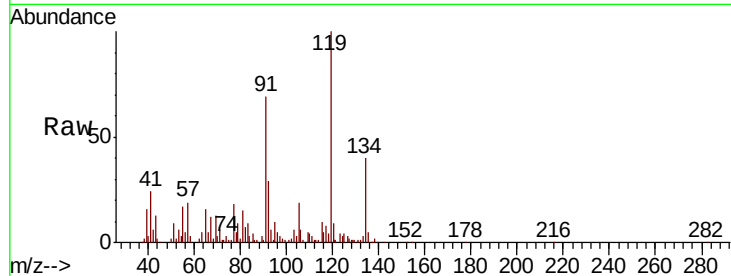
Tot Ion: 91 Resp: 119068

Ion Ratio Lower Upper

91 100

92 40.2 44.6 66.8#

134 91.9 19.2 28.8#



#71

2-Chlorotoluene

Concen: 2.987 ppbv

RT: 15.59 min Scan# 3982

Delta R.T. 0.14 min

Lab File: VL038854.D

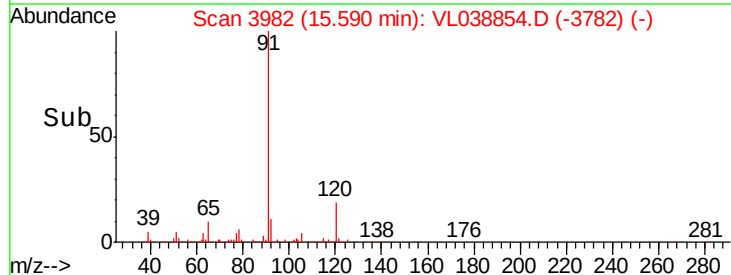
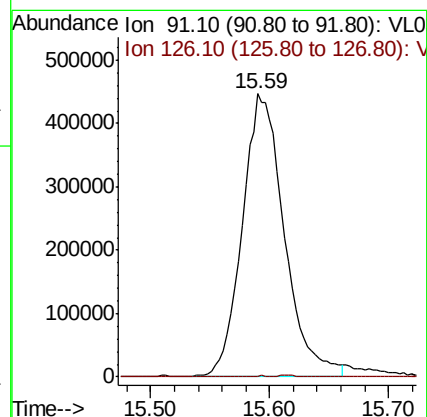
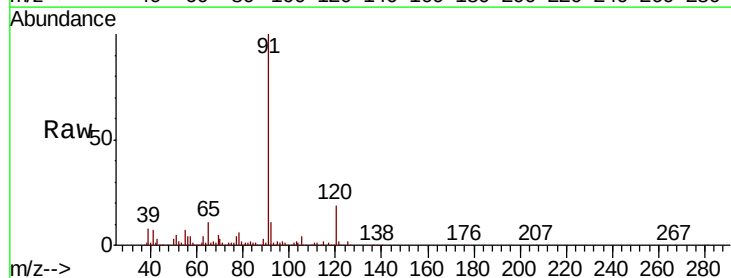
Acq: 7 Apr 2022 23:29

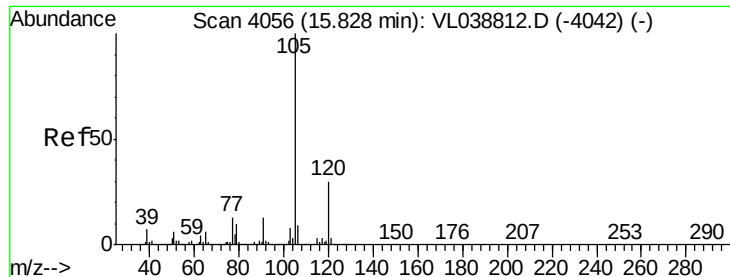
Tgt Ion: 91 Resp: 1087485

Ion Ratio Lower Upper

91 100

126 0.5 13.0 51.8#





#72

4-Ethyltoluene

Concen: 3.800 ppbv

RT: 15.87

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Apr 2022 23:29

Tot Ion:105 Resp: 1463842

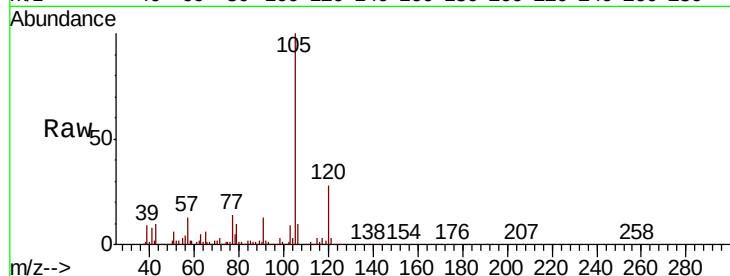
Ion Ratio Lower Upper

105 100

120 30.3 24.3 36.5

91 13.1 9.4 14.2

77 14.2 10.6 15.8

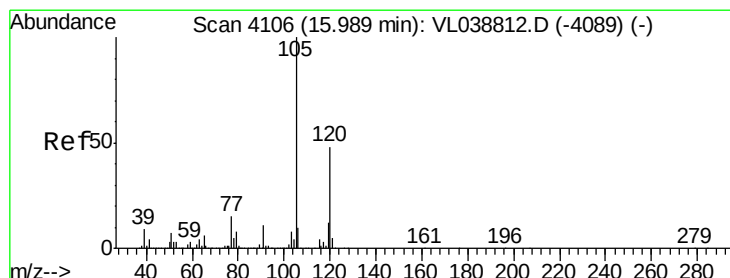
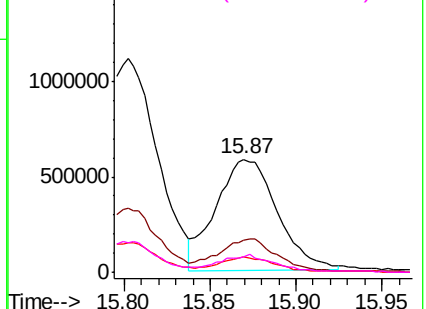
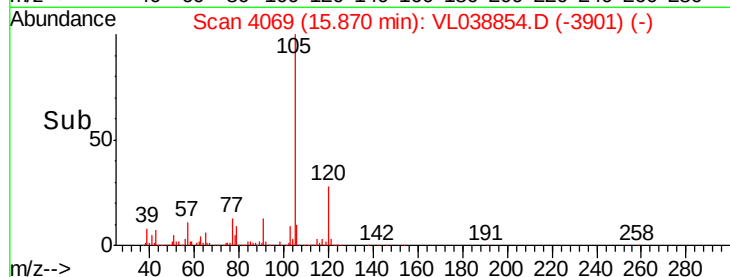


Abundance Ion 105.10 (104.80 to 105.80): V

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



#73

1,3,5-Trimethylbenzene

Concen: 3.408 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. 0.04 min

Lab File: VL038854.D

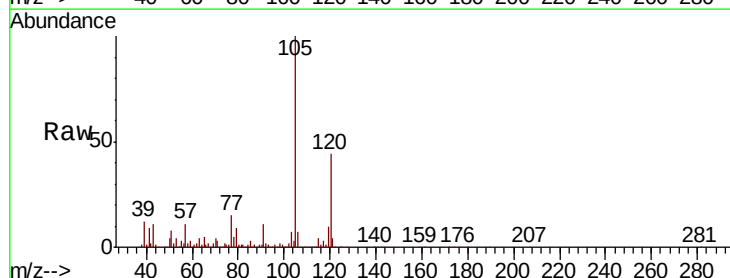
Acq: 7 Apr 2022 23:29

Tgt Ion:105 Resp: 1179385

Ion Ratio Lower Upper

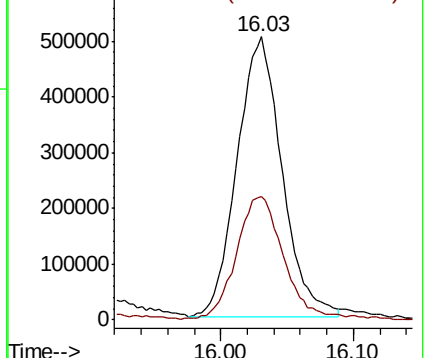
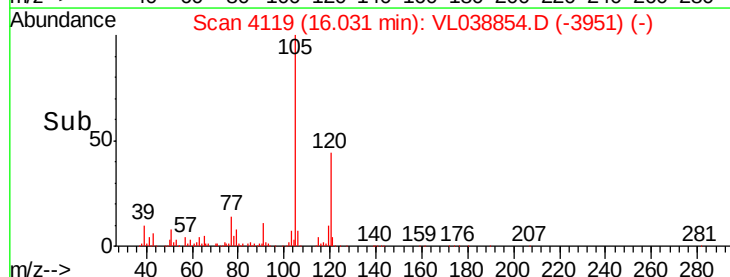
105 100

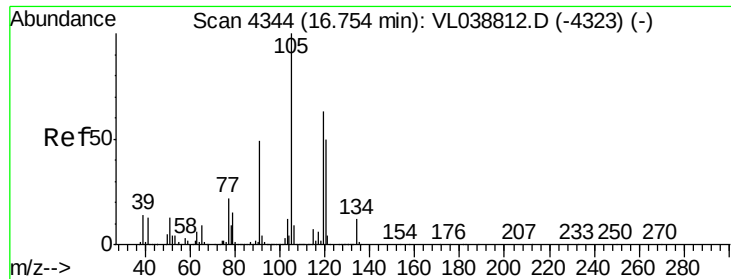
120 43.3 38.7 58.1



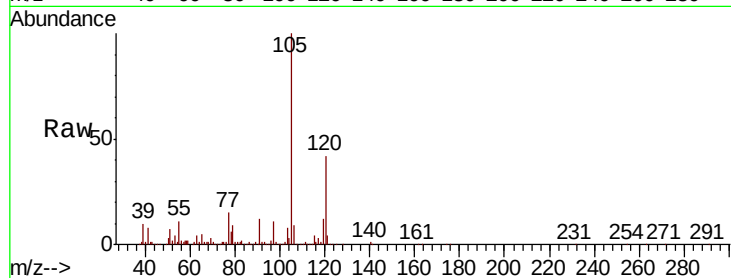
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74
 1,2,4-Trimethylbenzene
 Concen: 9.652 ppbv
 RT: 16.80
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Apr 2022 23.29



Tot Ion:	105	Resp:	3530699
Ion	Ratio	Lower	Upper
105	100		
120	42.1	39.8	59.8
91	11.9	39.4	59.0#
77	14.6	17.3	25.9#

