

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
 Data File : VL038929.D
 Acq On : 14 Apr 2022 22:45
 Operator : SY/AP
 Sample : N2259-03
 Misc : 400mL/MSVOA L
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 15 08:08:44 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	5.67	49	1195190	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2931719	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2674419	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2098953	10.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	42973	0.253	ppbv	99
3) Chlorodifluoromethane	2.97	51	1788366	12.261	ppbv #	62
4) Chloromethane	3.15	50	47860	0.634	ppbv	95
7) Chloroethane	3.57	64	913	0.039	ppbv #	43
9) Propene	3.03	41	357900	4.638	ppbv #	68
10) Heptane	8.12	43	2969330	15.275	ppbv	98
11) Trichlorofluoromethane	3.95	101	192803	1.415	ppbv	99
13) Ethanol	3.61	45	802388	171.088	ppbv #	100
15) Acetone	3.85	43	25452029	213.897	ppbv #	72
16) 1,3-Butadiene	3.31	39	18369	0.270	ppbv	90
17) tert-Butyl alcohol	4.12	59	14771	0.138	ppbv #	1
19) Isopropyl Alcohol	3.97	45	357815	5.883	ppbv #	100
20) Methylene Chloride	4.35	84	863503	20.009	ppbv	97
21) Allyl Chloride	4.35	41	26751	0.300	ppbv #	79
23) Vinyl Acetate	5.07	43	71246	0.615	ppbv #	45
25) Ethyl Acetate	5.68	43	678587	2.248	ppbv #	87
26) Hexane	5.69	57	664198	4.833	ppbv #	53
30) Cyclohexane	7.13	84	55016	0.454	ppbv #	56
31) cis-1,2-Dichloroethene	5.67	61	16264	0.129	ppbv #	35
34) 2-Butanone	5.25	43	237941	2.054	ppbv	92
36) Benzene	6.89	78	268847	1.008	ppbv	96
39) 1,2-Dichloropropane	7.18	63	736843	7.223	ppbv #	26
41) Tetrahydrofuran	6.07	42	4437	0.040	ppbv #	1
42) Bromodichloromethane	7.79	83	66548	0.346	ppbv #	25
43) Methyl Methacrylate	7.99	69	5625	0.055	ppbv #	1
44) 2,2,4-Trimethylpentane	7.88	57	87295	0.193	ppbv #	43
50) 4-Methyl-2-Pentanone	8.74	43	580521	2.228	ppbv	97
53) Toluene	9.81	91	15614629	50.717	ppbv	89
58) Ethyl Benzene	12.71	91	835063	2.090	ppbv	93
59) m/p-Xylene	12.96	91	2103655	6.266	ppbv	99
60) o-Xylene	13.69	91	820562	2.612	ppbv	95
61) Styrene	13.53	104	13334	0.070	ppbv #	26
62) Isopropylbenzene	14.67	105	116944	0.248	ppbv	95
64) n-propylbenzene	15.56	120	92893	0.759	ppbv	80
65) tert-Butylbenzene	16.75	119	148952	0.356	ppbv #	60
67) sec-Butylbenzene	17.28	105	53810	0.092	ppbv	96
69) p-Isopropyltoluene	17.64	119	60414	0.125	ppbv #	91
70) n-Butylbenzene	18.54	91	201054	0.414	ppbv #	57
71) 2-Chlorotoluene	15.56	91	465543	1.313	ppbv #	43
72) 4-Ethyltoluene	15.83	105	289817	0.773	ppbv #	68
73) 1,3,5-Trimethylbenzene	15.99	105	406409	1.206	ppbv	91

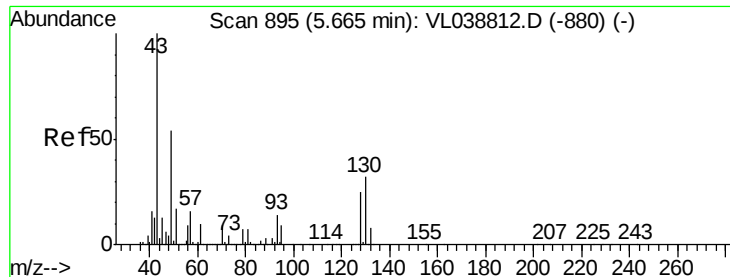
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
Data File : VL038929.D
Acq On : 14 Apr 2022 22:45
Operator : SY/AP
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Instrument :
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Quant Time: Apr 15 08:08:44 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA 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)
74) 1,2,4-Trimethylbenzene	16.75	105	1429781	4.013	ppbv #	68
79) Naphthalene	22.20	128	37117	0.139	ppbv #	94
80) Naphthalene,2-methyl-	24.97	142	15754	0.240	ppbv #	32

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 22:45

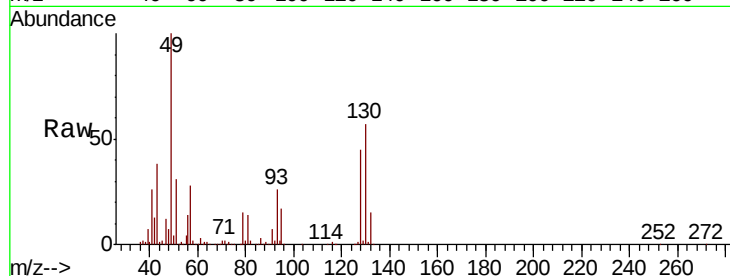
Tot Ion: 49 Resp: 1195190

Ion Ratio Lower Upper

49 100

128 45.6 24.1 72.3

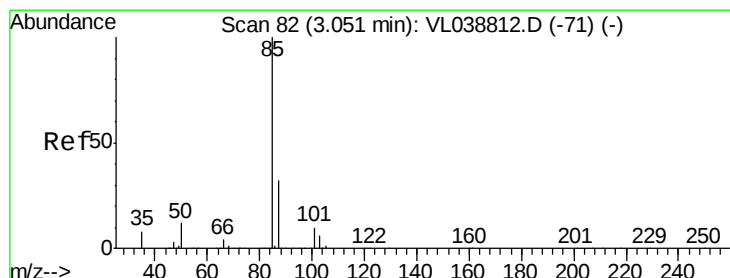
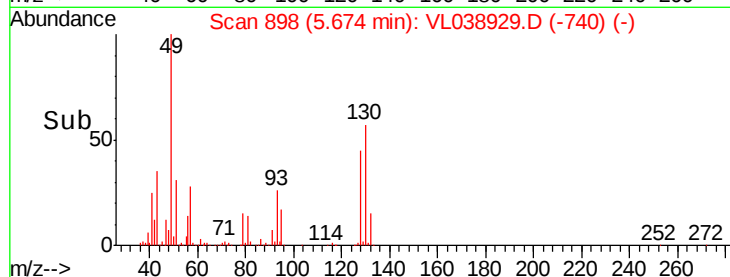
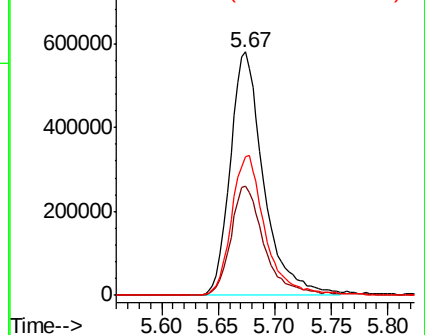
130 58.4 30.9 92.8



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: 0.253 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL038929.D

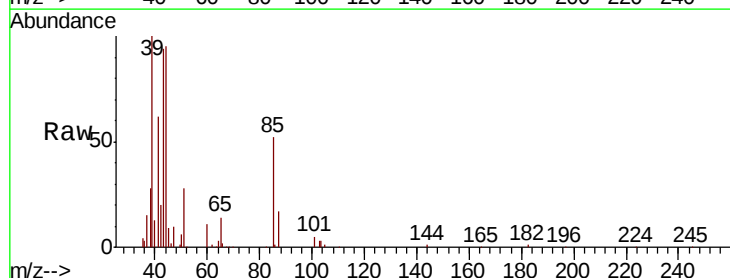
Acq: 14 Apr 2022 22:45

Tgt Ion: 85 Resp: 42973

Ion Ratio Lower Upper

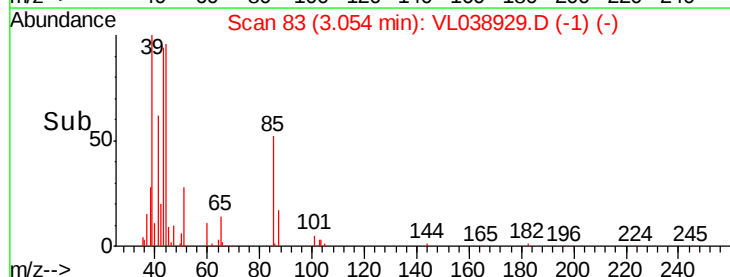
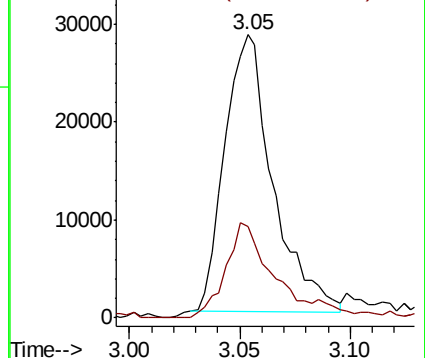
85 100

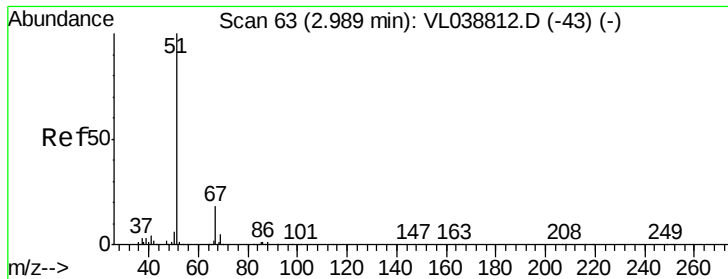
87 33.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 12.261 ppbv

RT: 2.97 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

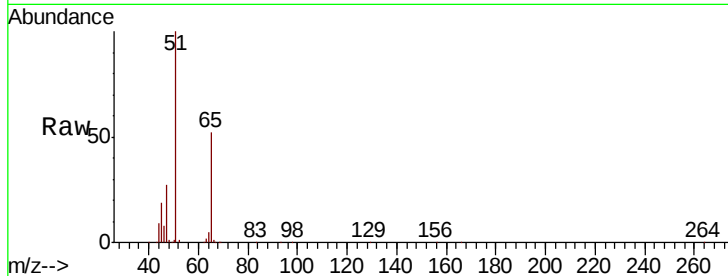
Acq: 14 Apr 2022 22:45

Tot Ion: 51 Resp: 1788366

Ion Ratio Lower Upper

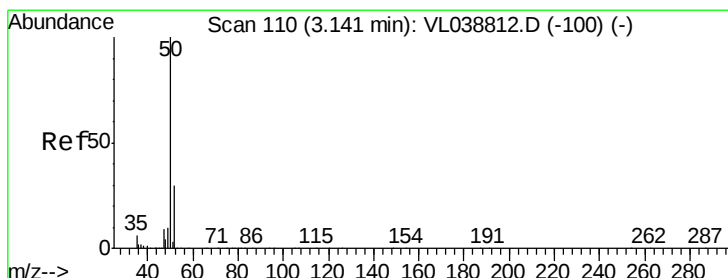
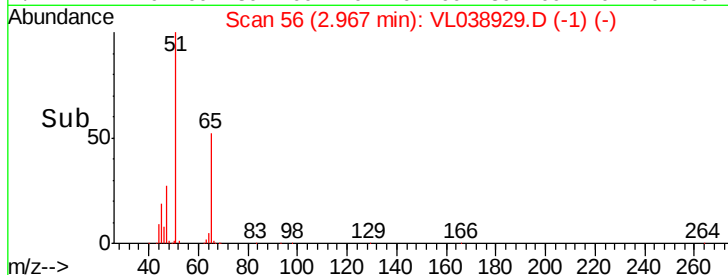
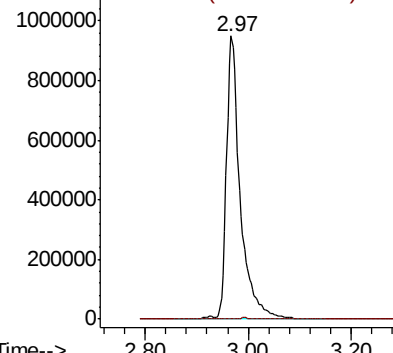
51 100

67 0.4 13.4 20.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.634 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL038929.D

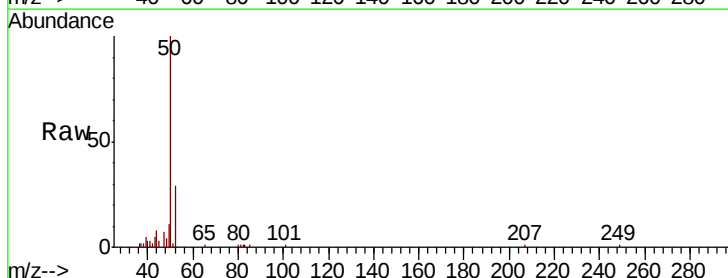
Acq: 14 Apr 2022 22:45

Tgt Ion: 50 Resp: 47860

Ion Ratio Lower Upper

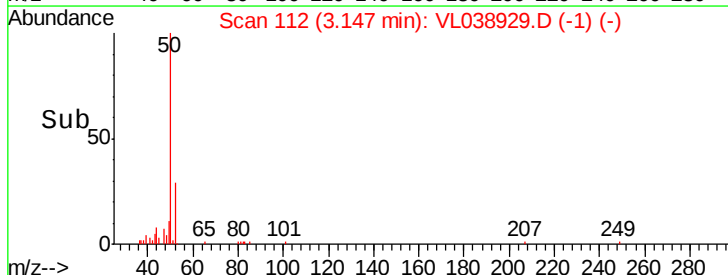
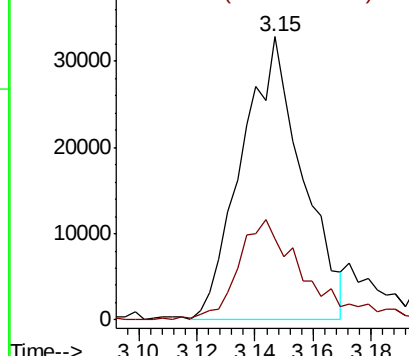
50 100

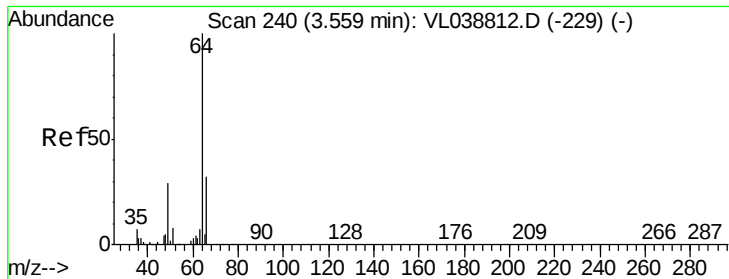
52 27.8 24.3 36.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.039 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

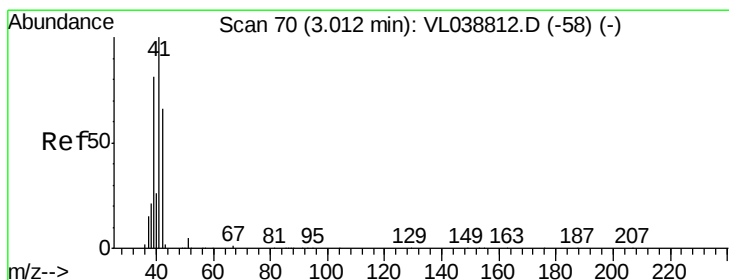
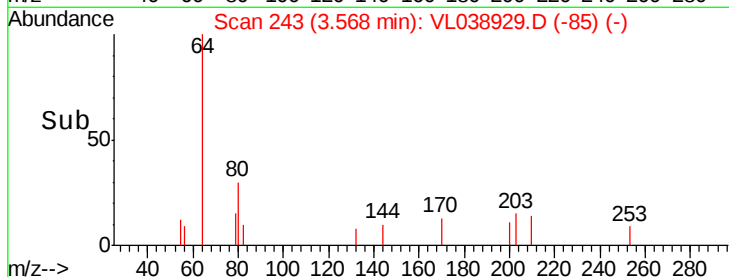
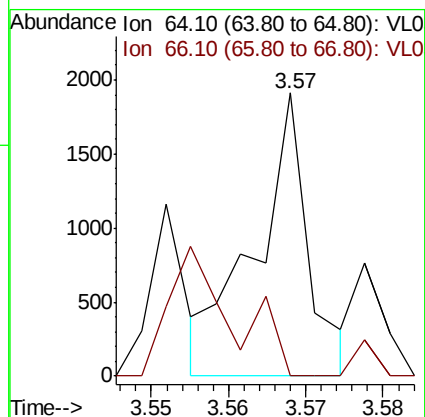
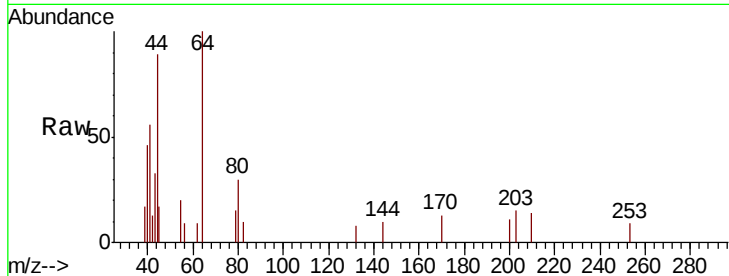
Acq: 14 Apr 2022 22:45

Tot Ion: 64 Resp: 913

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#



#9

Propene

Concen: 4.638 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.02 min

Lab File: VL038929.D

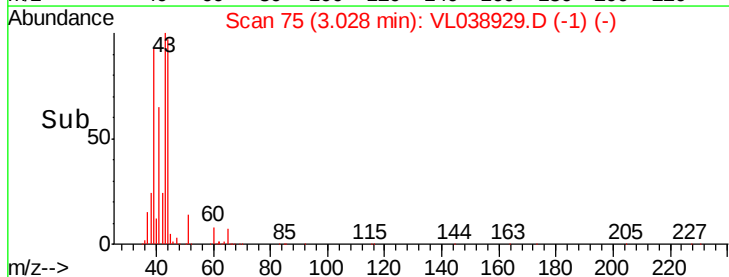
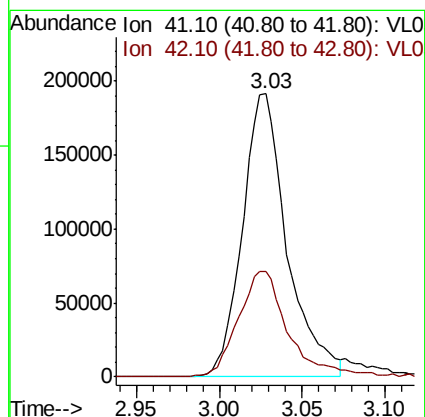
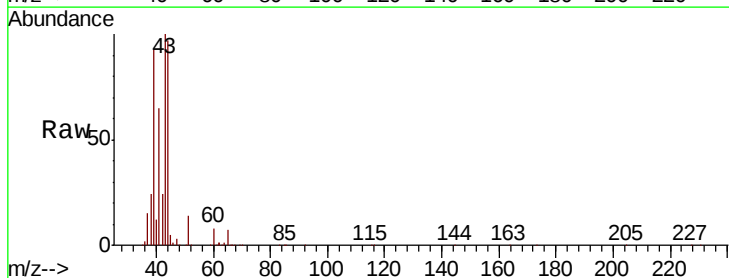
Acq: 14 Apr 2022 22:45

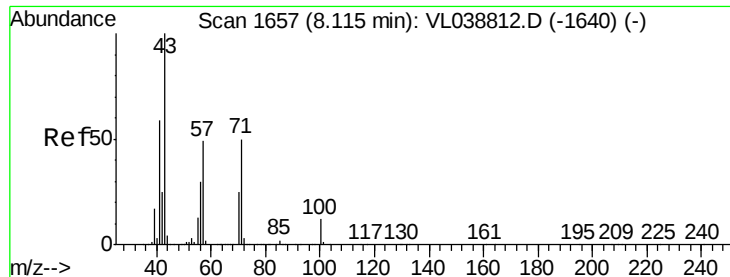
Tgt Ion: 41 Resp: 357900

Ion Ratio Lower Upper

41 100

42 42.4 54.2 81.4#





#10

Heptane

Concen: 15.275 ppbv

RT: 8.12 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

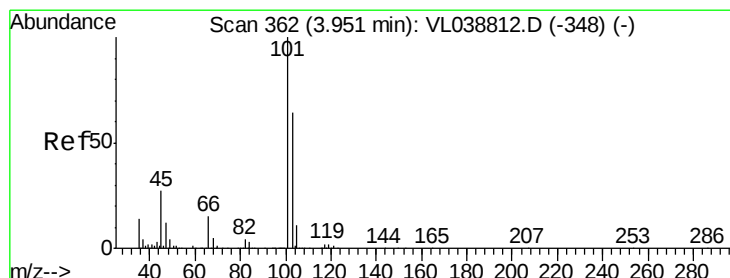
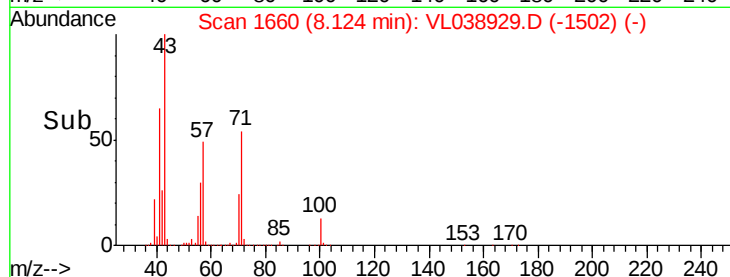
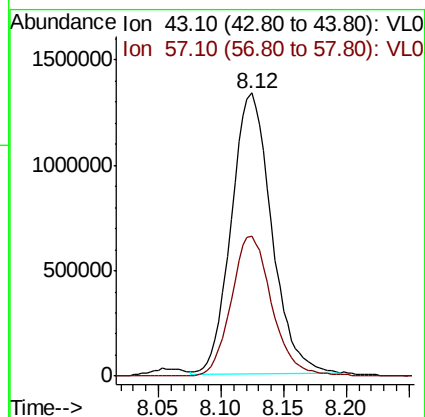
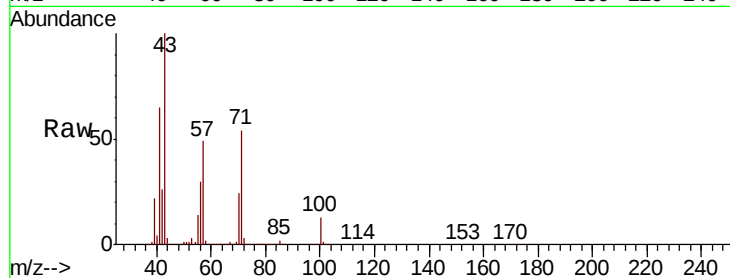
Acq: 14 Apr 2022 22:45

Tot Ion: 43 Resp: 2969330

Ion Ratio Lower Upper

43 100

57 50.8 39.3 58.9



#11

Trichlorofluoromethane

Concen: 1.415 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.00 min

Lab File: VL038929.D

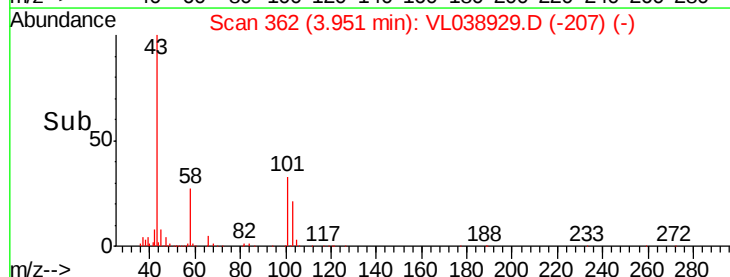
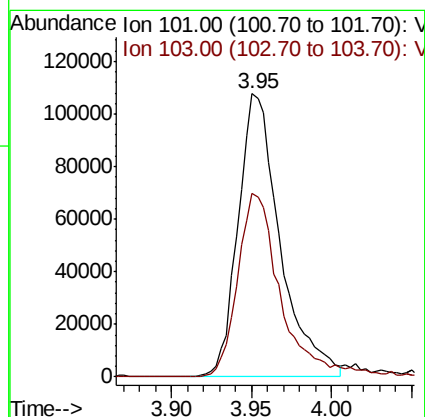
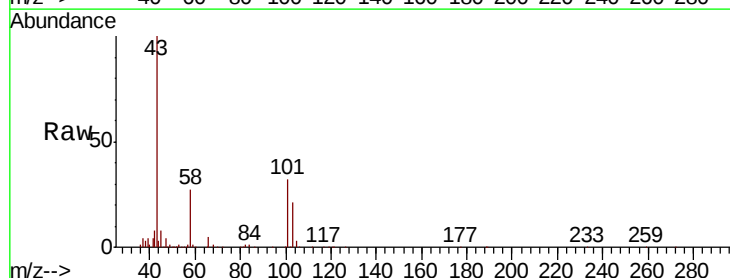
Acq: 14 Apr 2022 22:45

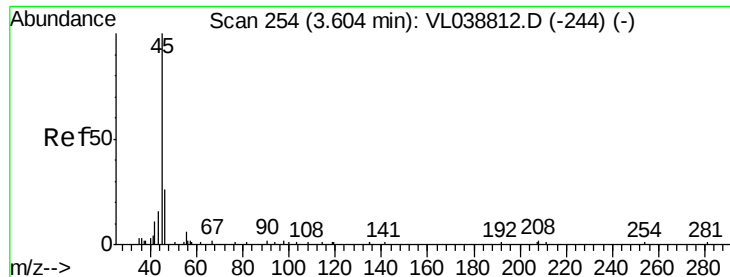
Tgt Ion:101 Resp: 192803

Ion Ratio Lower Upper

101 100

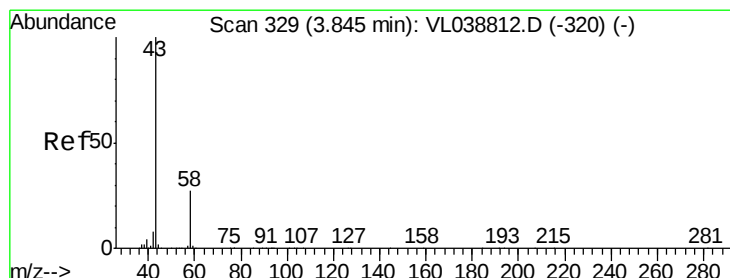
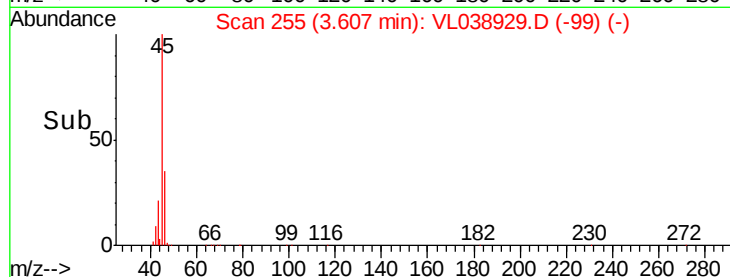
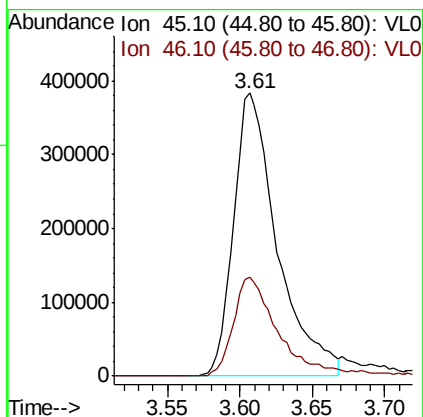
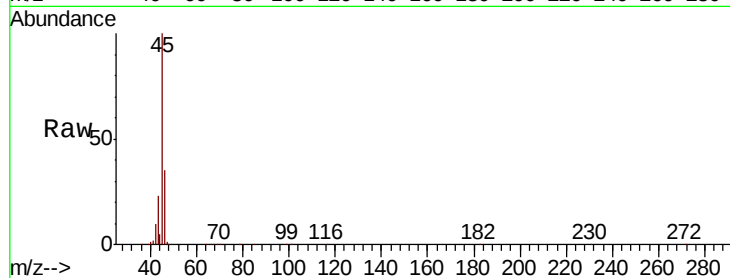
103 64.7 51.4 77.0





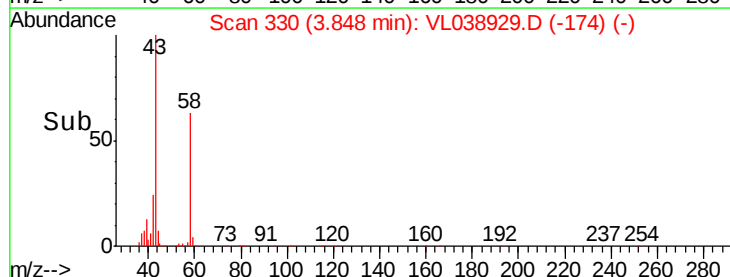
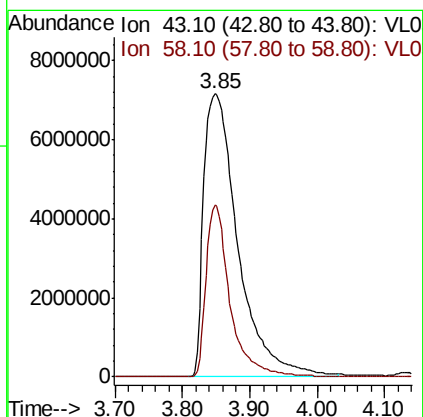
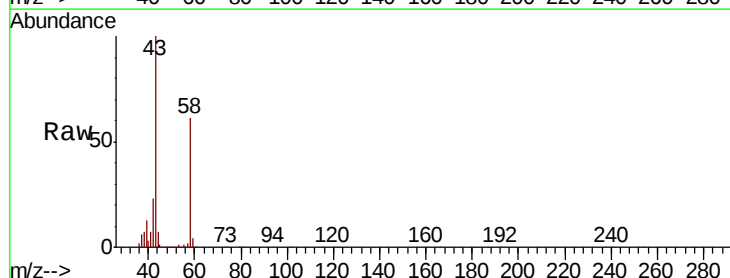
#13
Ethanol
Concen: 171.088 ppbv
RT: 3.61
Instrument : MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 Apr 2022 22:45

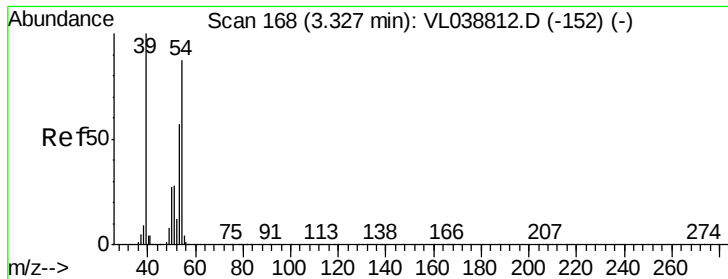
Tot Ion: 45 Resp: 802388
Ion Ratio Lower Upper
45 100
46 37.1 0.0 0.0#



#15
Acetone
Concen: 213.897 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.00 min
Lab File: VL038929.D
Acq: 14 Apr 2022 22:45

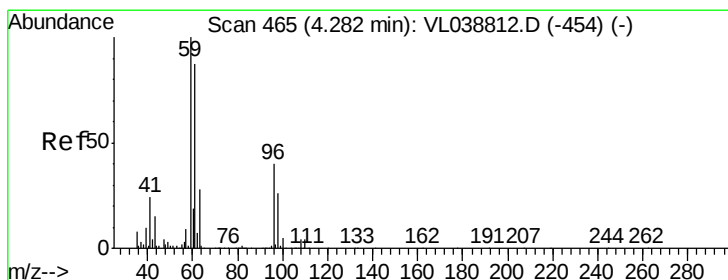
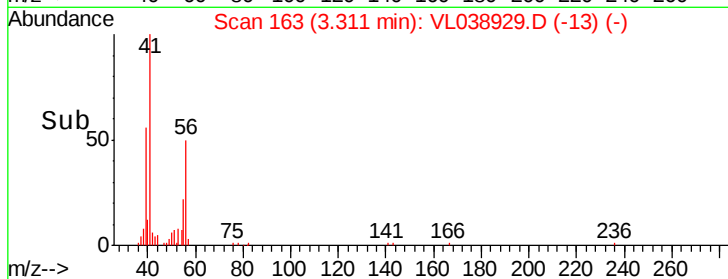
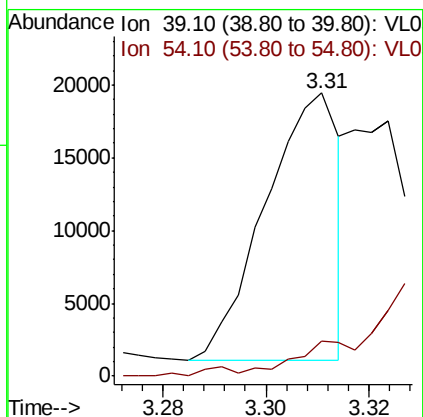
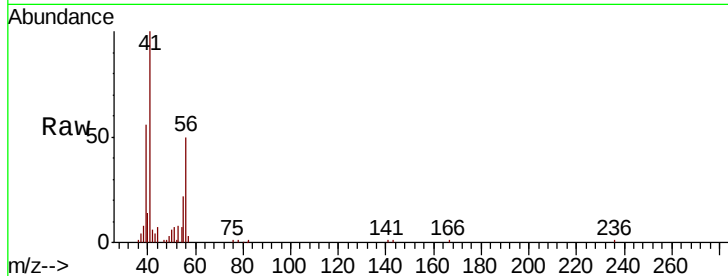
Tgt Ion: 43 Resp: 25452029
Ion Ratio Lower Upper
43 100
58 42.9 22.5 33.7#





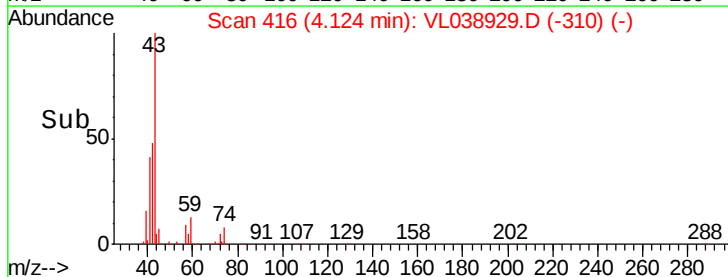
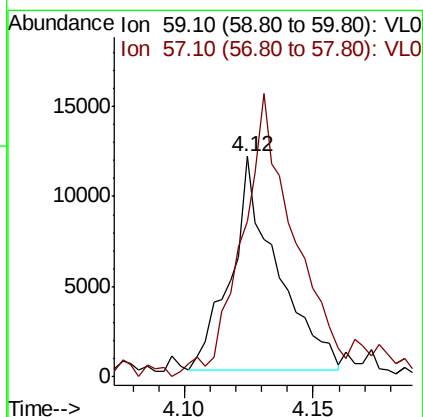
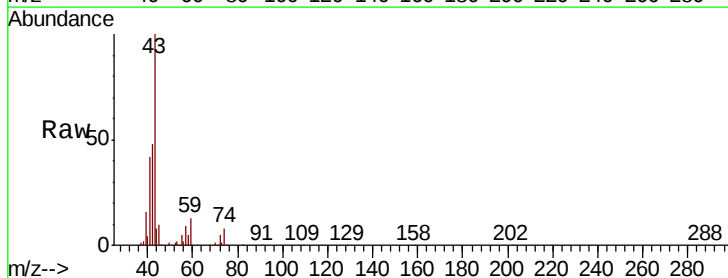
#16
 1,3-Butadiene
 Concen: 0.270 ppbv
 RT: 3.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 14 Apr 2022 22:45

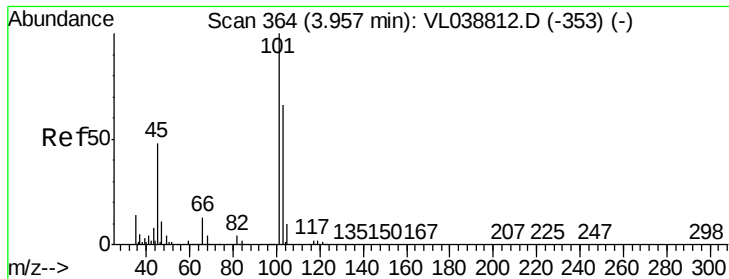
Tot Ion: 39 Resp: 18369
 Ion Ratio Lower Upper
 39 100
 54 89.5 64.8 97.2



#17
 tert-Butyl alcohol
 Concen: 0.138 ppbv
 RT: 4.12 min Scan# 416
 Delta R.T. -0.16 min
 Lab File: VL038929.D
 Acq: 14 Apr 2022 22:45

Tgt Ion: 59 Resp: 14771
 Ion Ratio Lower Upper
 59 100
 57 173.1 8.5 12.7#





#19

Isopropyl Alcohol

Concen: 5.883 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

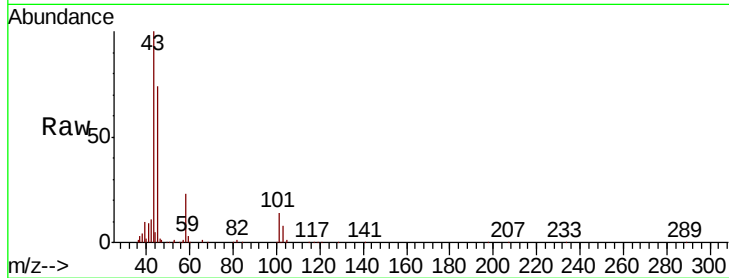
Acq: 14 Apr 2022 22:45

Tot Ion: 45 Resp: 357815

Ion Ratio Lower Upper

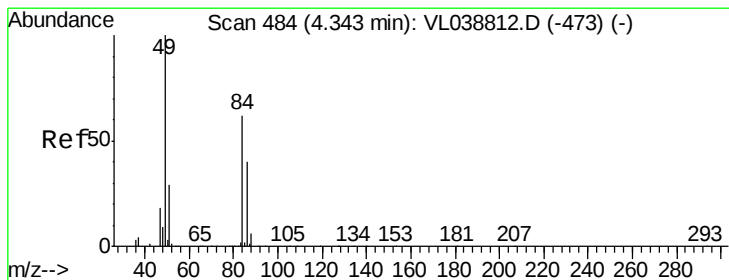
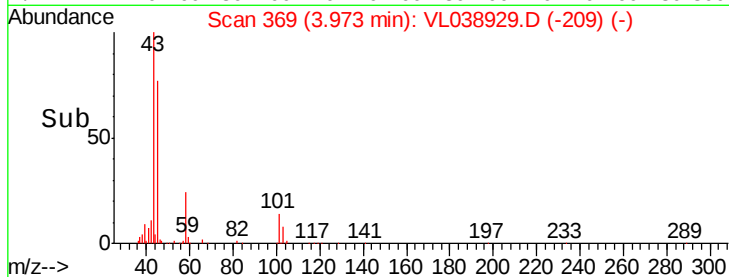
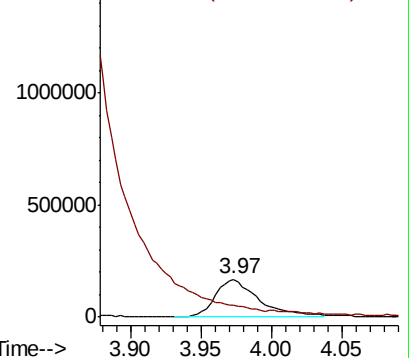
45 100

58 0.0 0.0 0.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 20.009 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL038929.D

Acq: 14 Apr 2022 22:45

Tgt Ion: 84 Resp: 863503

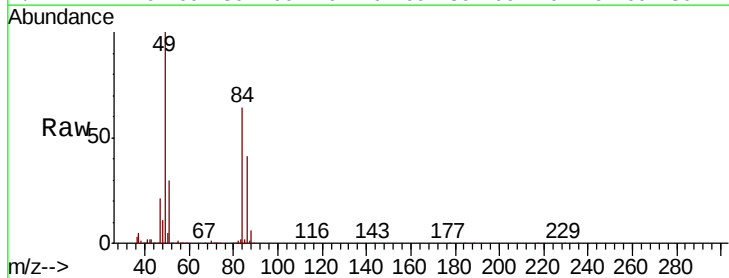
Ion Ratio Lower Upper

84 100

49 156.8 129.4 194.0

51 47.6 37.4 56.2

86 64.6 51.4 77.2

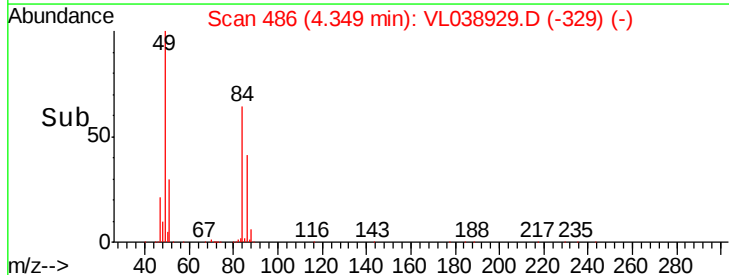
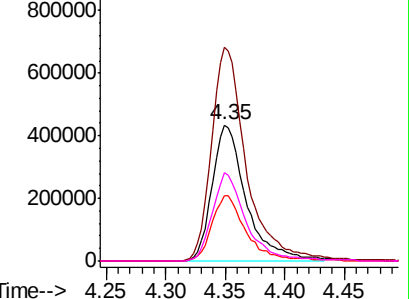


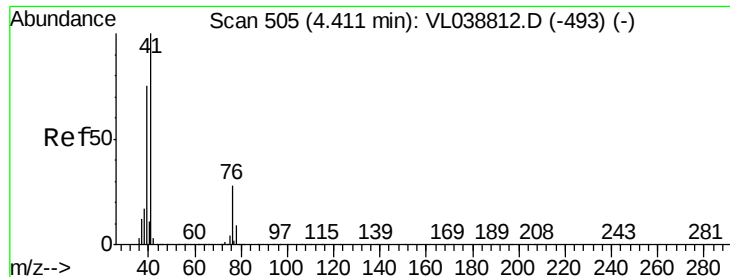
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

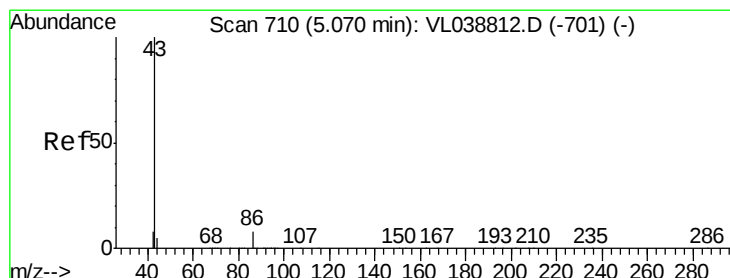
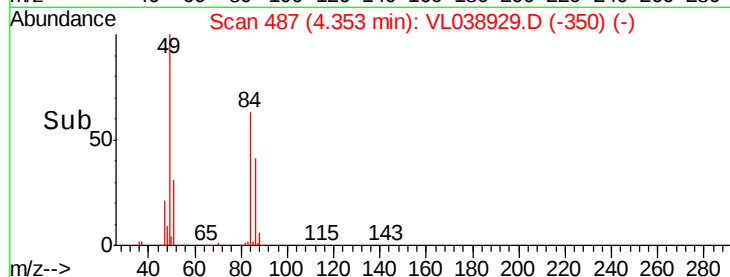
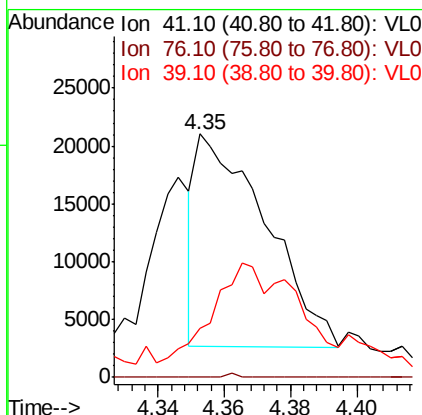
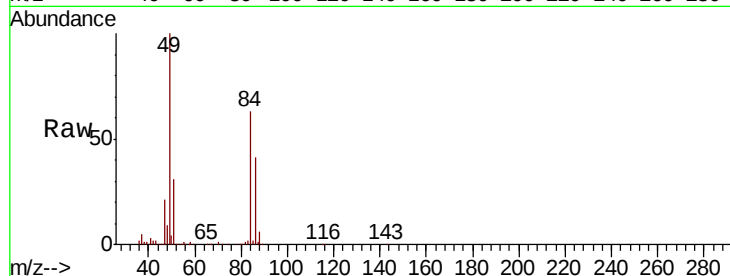
Ion 86.00 (85.70 to 86.70): VL0





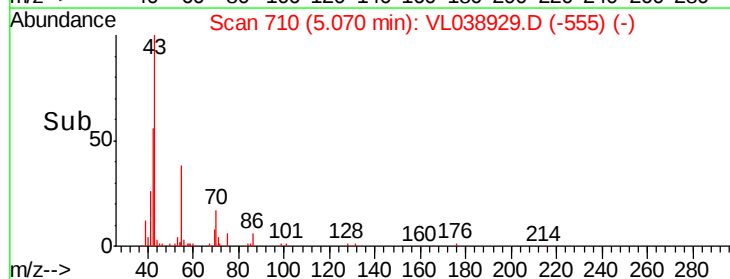
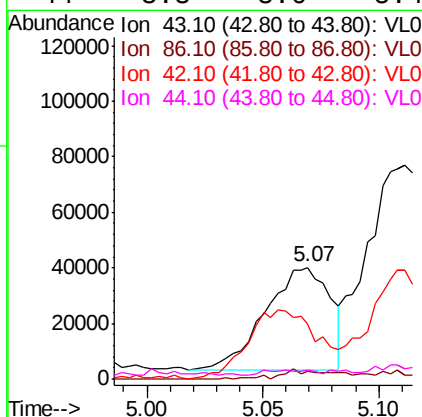
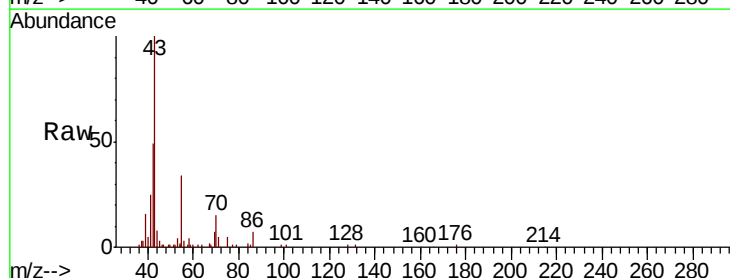
#21
Allvl Chloride
Concen: 0.300 ppbv
RT: 4.35 Instrument :
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Apr 2022 22:45

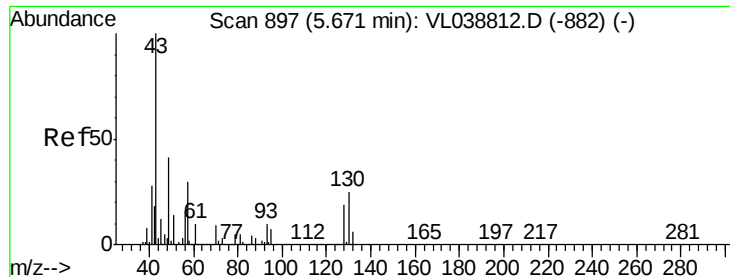
Tot Ion: 41 Resp: 26751
Ion Ratio Lower Upper
41 100
76 0.2 23.7 35.5#
39 70.7 62.0 93.0



#23
Vinyl Acetate
Concen: 0.615 ppbv
RT: 5.07 min Scan# 710
Delta R.T. -0.00 min
Lab File: VL038929.D
Acq: 14 Apr 2022 22:45

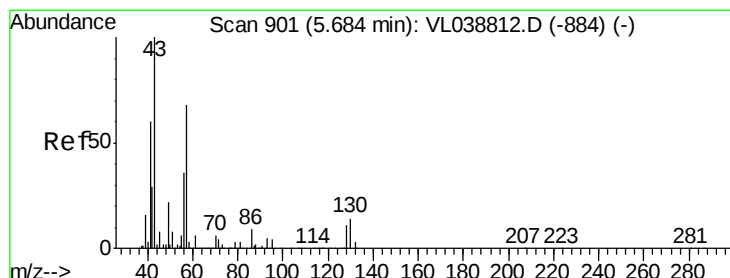
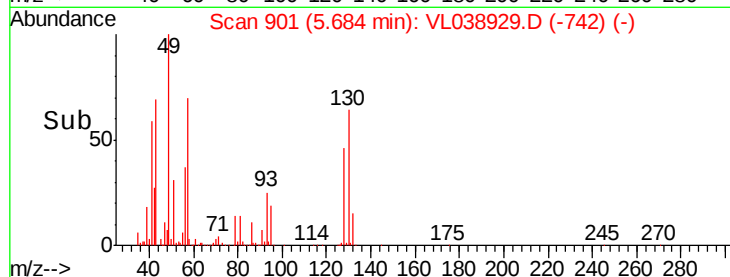
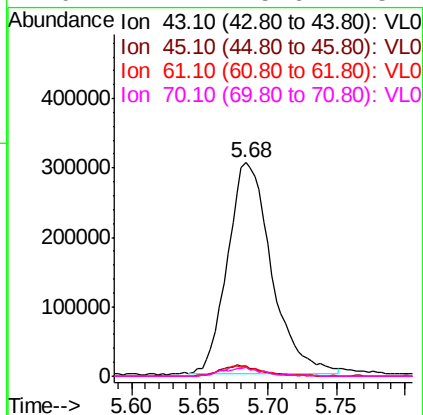
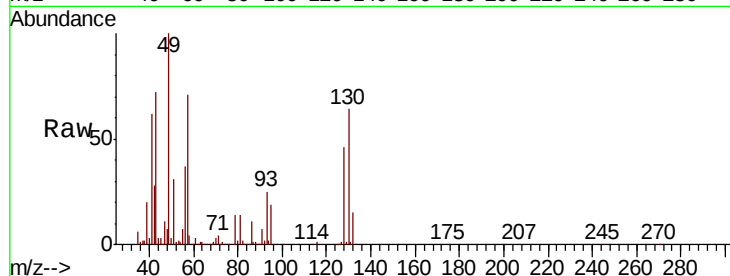
Tgt Ion: 43 Resp: 71246
Ion Ratio Lower Upper
43 100
86 7.9 5.8 8.6
42 53.2 7.8 11.6#
44 3.3 3.6 5.4#





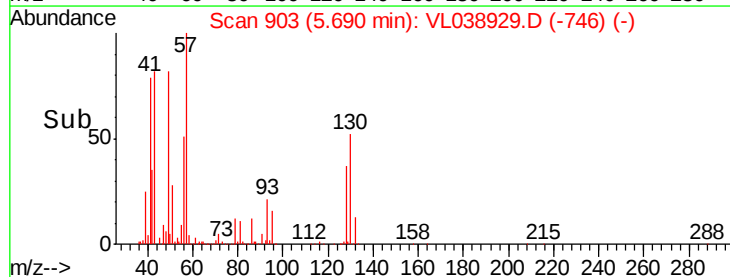
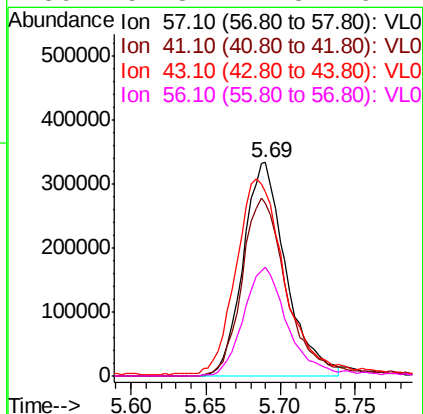
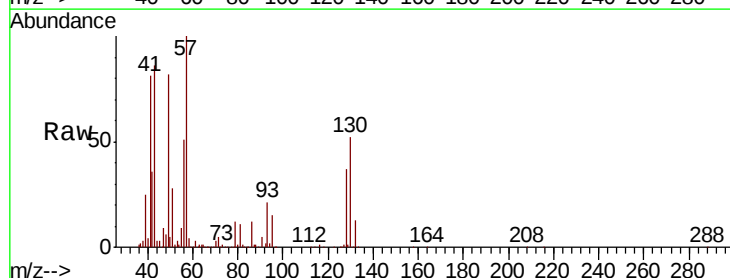
#25
Ethyl Acetate
Concen: 2.248 ppbv
RT: 5.68 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Apr 2022 22:45

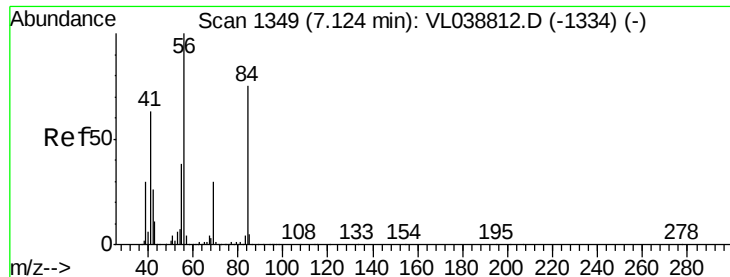
Tot Ion:	43	Resp:	678587
Ion	Ratio	Lower	Upper
43	100		
45	5.1	8.4	12.6#
61	4.7	7.9	11.9#
70	4.1	5.6	8.4#



#26
Hexane
Concen: 4.833 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: 0.01 min
Lab File: VL038929.D
Acq: 14 Apr 2022 22:45

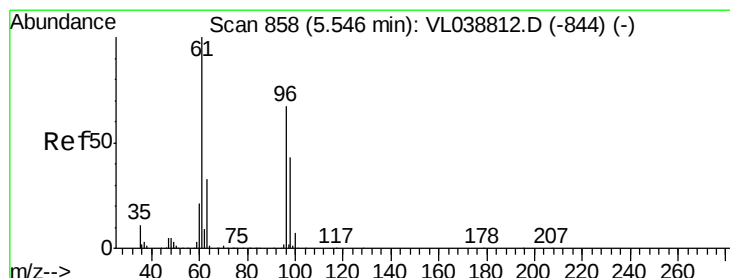
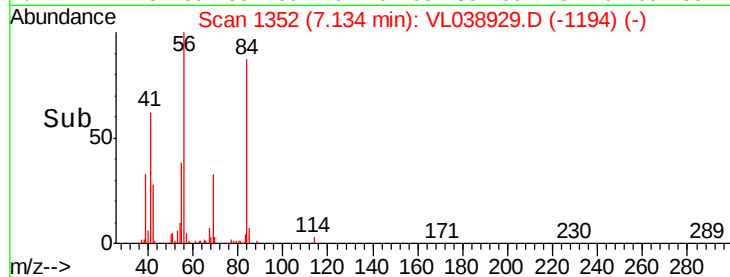
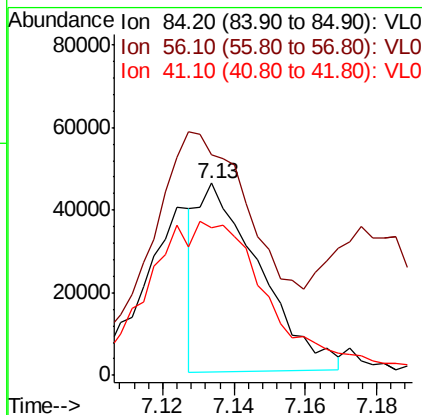
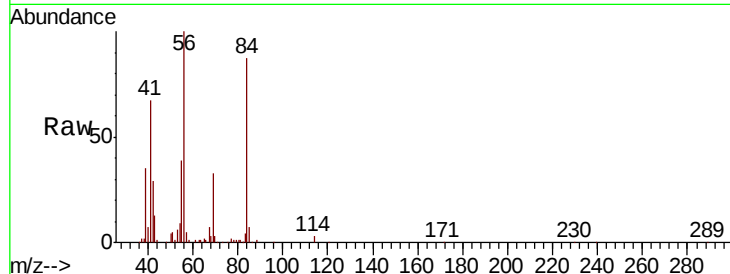
Tgt Ion:	57	Resp:	664198
Ion	Ratio	Lower	Upper
57	100		
41	89.5	72.0	108.0
43	108.5	186.6	280.0#
56	54.3	42.8	64.2





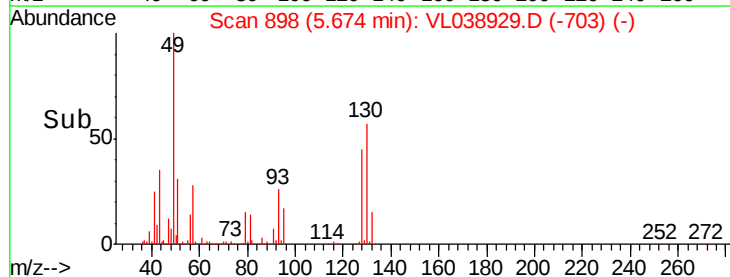
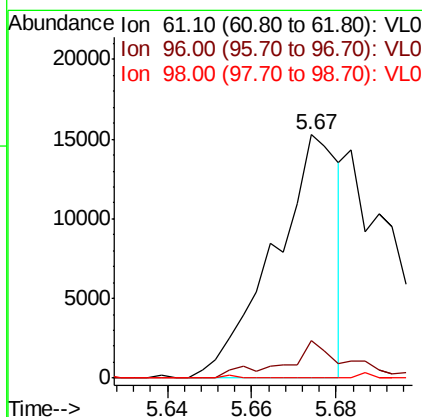
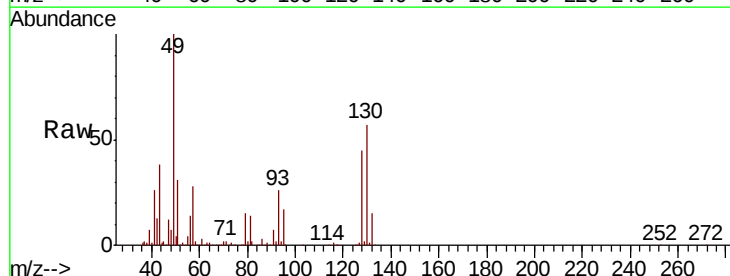
#30
Cvclohexane
Concen: 0.454 ppbv
RT: 7.13
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Apr 2022 22:45

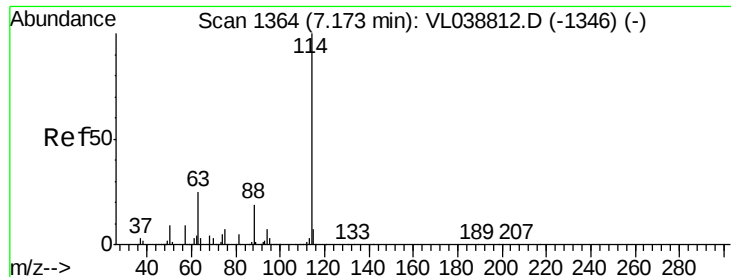
Tot Ion	84	Resp	55016
Ion Ratio	Lower	Upper	
84	100		
56	126.2	114.4	171.6
41	0.0	69.0	103.4#



#31
cis-1,2-Dichloroethene
Concen: 0.129 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.13 min
Lab File: VL038929.D
Acq: 14 Apr 2022 22:45

Tgt Ion	61	Resp	16264
Ion Ratio	Lower	Upper	
61	100		
96	15.3	53.4	80.0#
98	0.0	34.2	51.4#

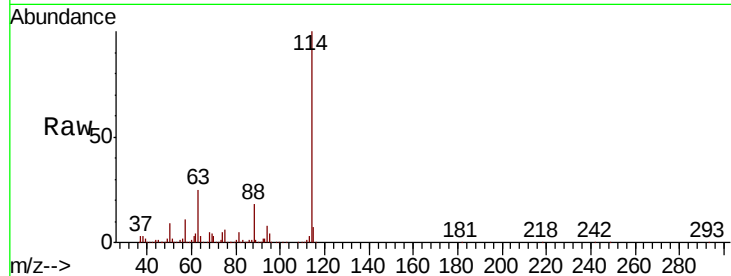




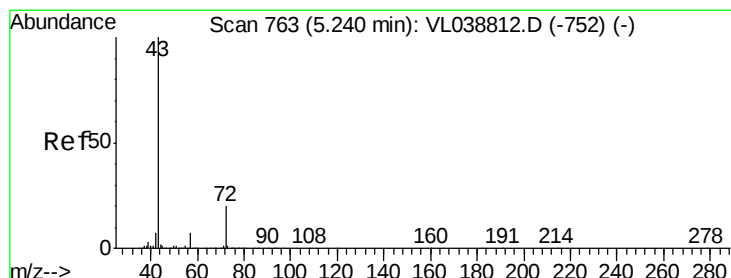
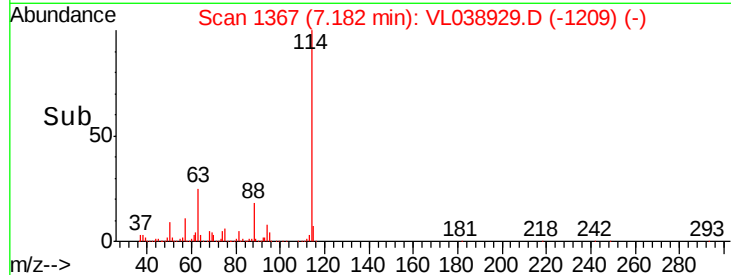
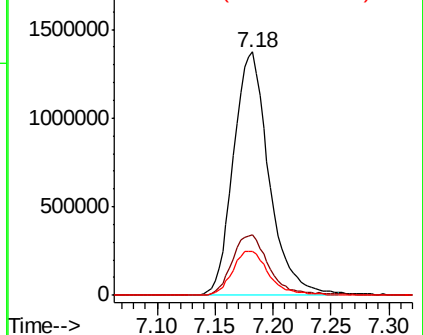
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 14 Apr 2022 22:45

Tot Ion: 114 Resp: 2931719

Ion	Ratio	Lower	Upper
114	100		
63	26.0	19.8	29.8
88	18.7	14.2	21.4



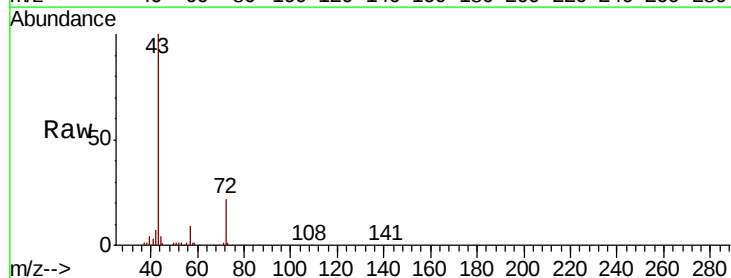
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



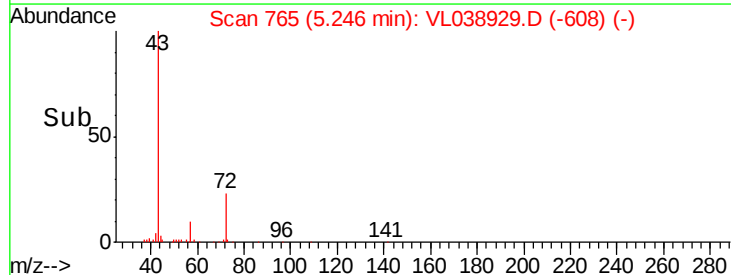
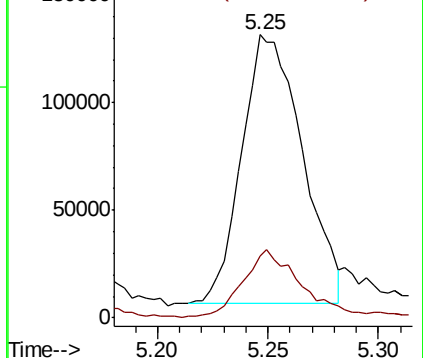
#34
 2-Butanone
 Concen: 2.054 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T.: 0.01 min
 Lab File: VL038929.D
 Acq: 14 Apr 2022 22:45

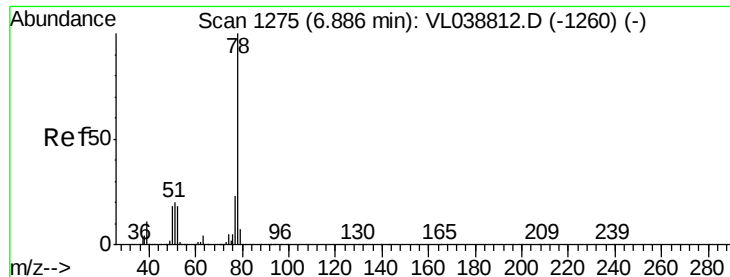
Tgt Ion: 43 Resp: 237941

Ion	Ratio	Lower	Upper
43	100		
72	25.0	16.9	25.3



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





#36

Benzene

Concen: 1.008 ppbv

RT: 6.89 Instrument:

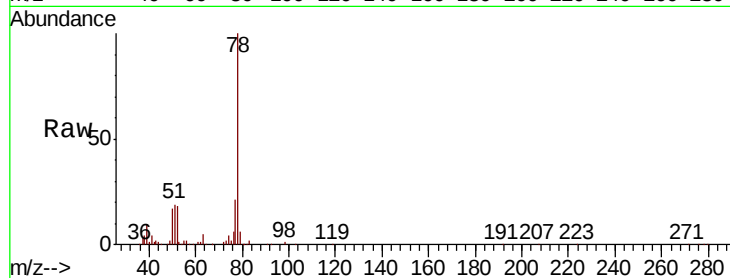
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 22:45

Tot Ion: 78 Resp: 268847

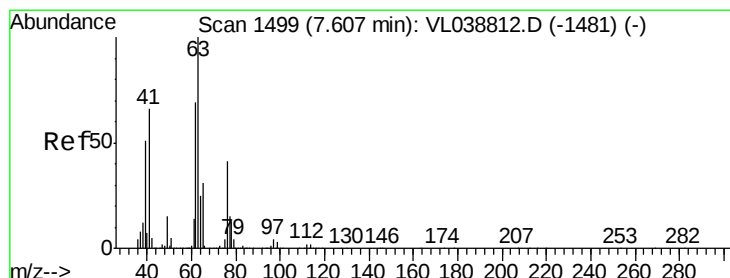
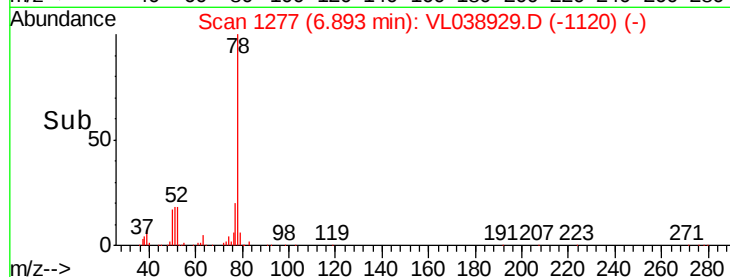
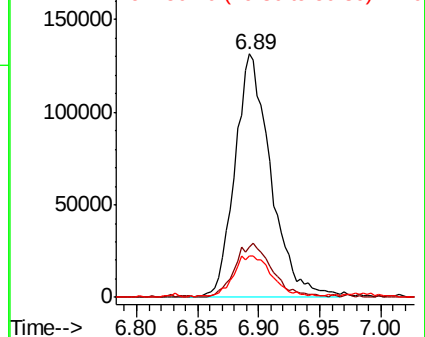
Ion	Ratio	Lower	Upper
78	100		
77	20.3	18.2	27.2
50	16.4	14.0	21.0



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#39

1,2-Dichloropropane

Concen: 7.223 ppbv

RT: 7.18 min Scan# 1367

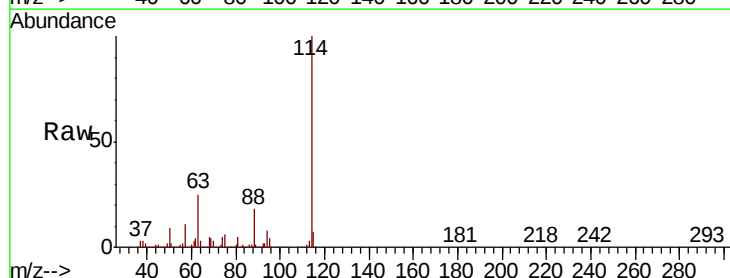
Delta R.T. -0.42 min

Lab File: VL038929.D

Acq: 14 Apr 2022 22:45

Tgt Ion: 63 Resp: 736843

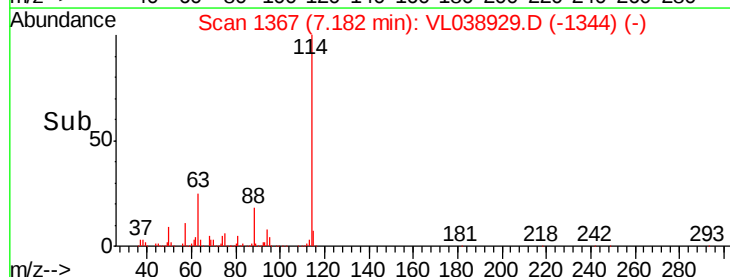
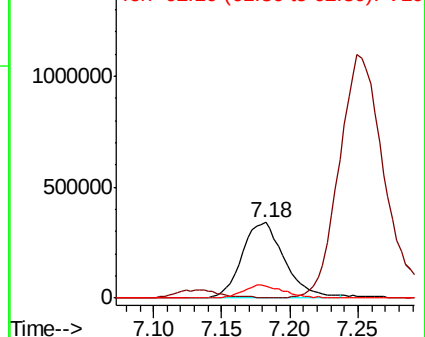
Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.0	79.6#
62	16.5	55.0	82.4#

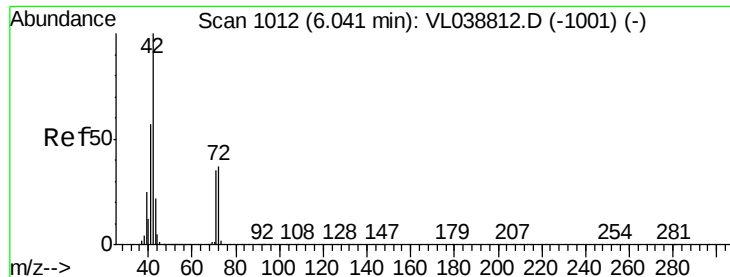


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.040 ppbv

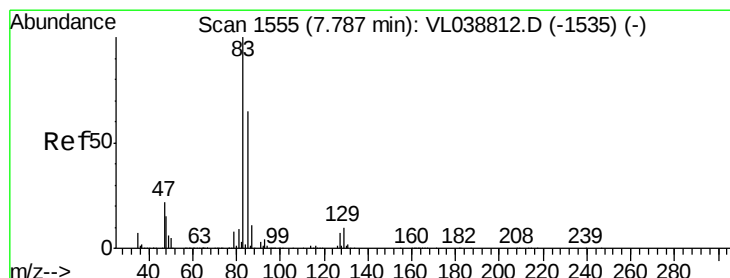
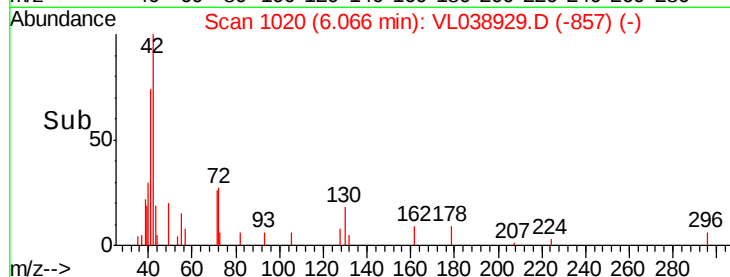
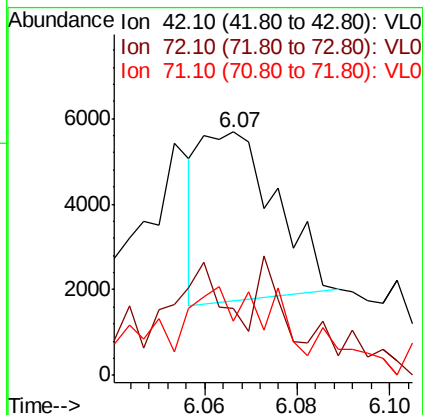
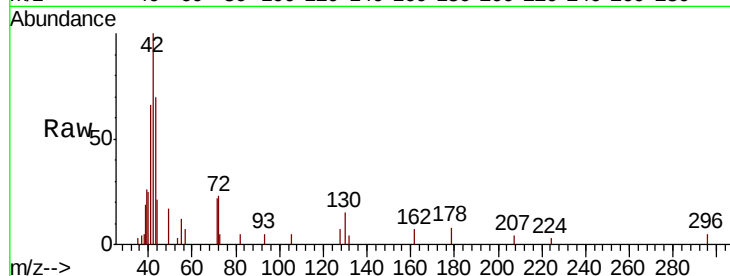
RT: 6.07 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 22:45

Tot Ion:	42	Resp:	4437
Ion	Ratio	Lower	Upper
42	100		
72	120.0	31.4	47.0#
71	103.3	30.2	45.4#



#42

Bromodichloromethane

Concen: 0.346 ppbv

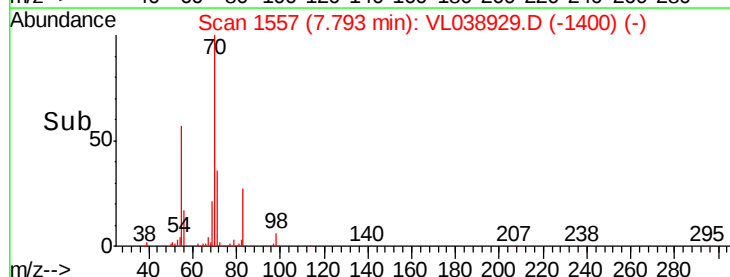
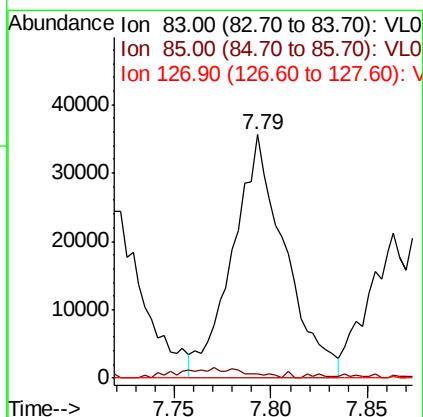
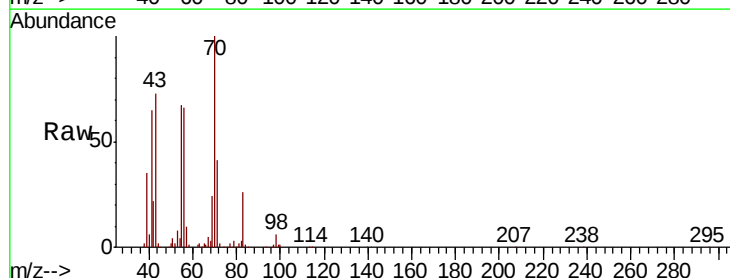
RT: 7.79 min Scan# 1557

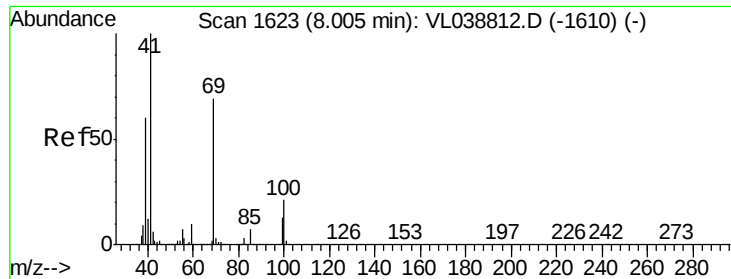
Delta R.T. 0.01 min

Lab File: VL038929.D

Acq: 14 Apr 2022 22:45

Tgt Ion:	83	Resp:	66548
Ion	Ratio	Lower	Upper
83	100		
85	1.1	51.7	77.5#
127	0.0	5.9	8.9#





#43

Methyl Methacrylate

Concen: 0.055 ppbv

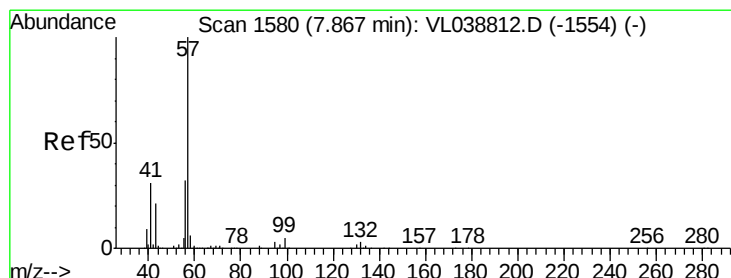
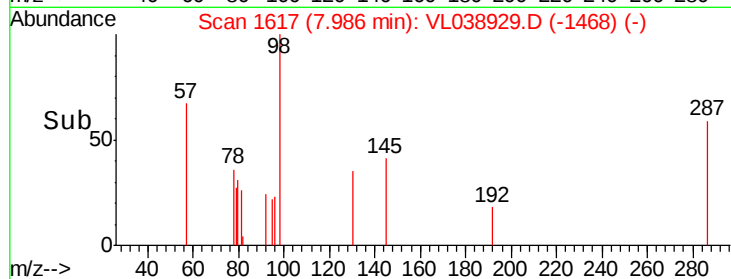
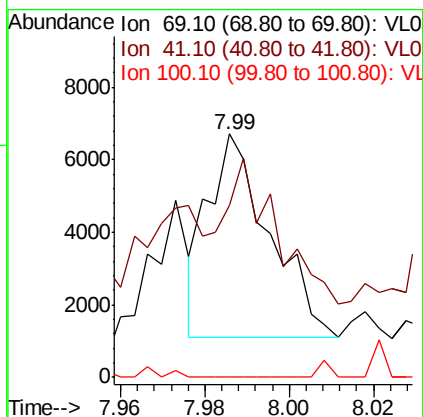
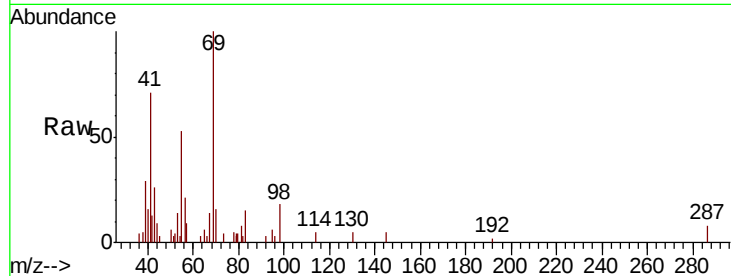
RT: 7.99 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File:

Acq: 14 Apr 2022 22:45

Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	119.0	178.4#
100	0.0	26.4	39.6#



#44

2,2,4-Trimethylpentane

Concen: 0.193 ppbv

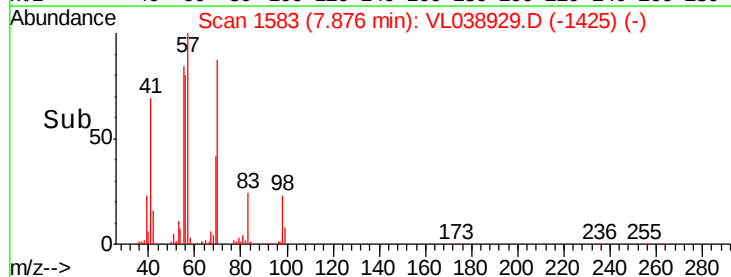
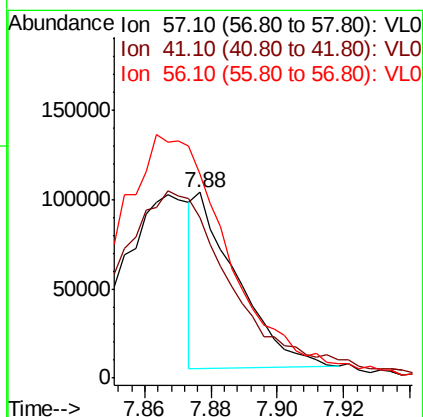
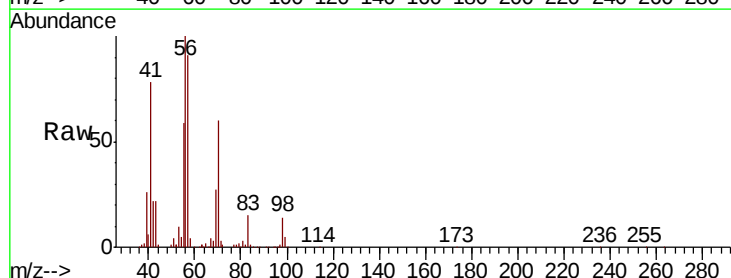
RT: 7.88 min Scan# 1583

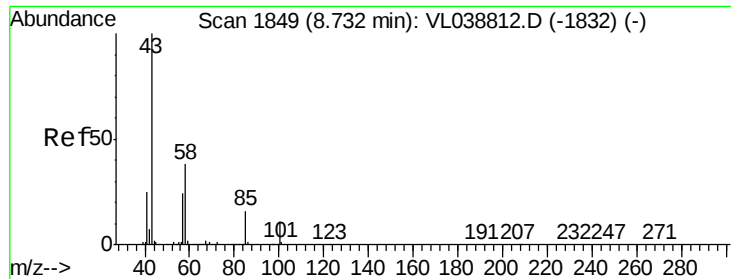
Delta R.T. 0.01 min

Lab File: VL038929.D

Acq: 14 Apr 2022 22:45

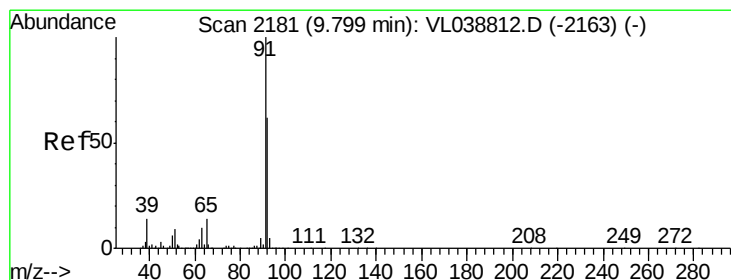
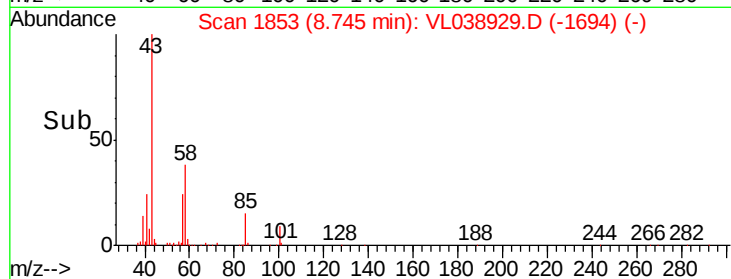
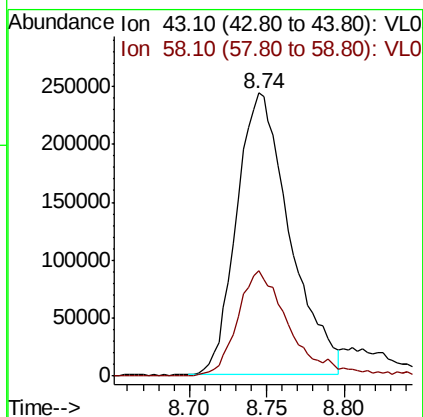
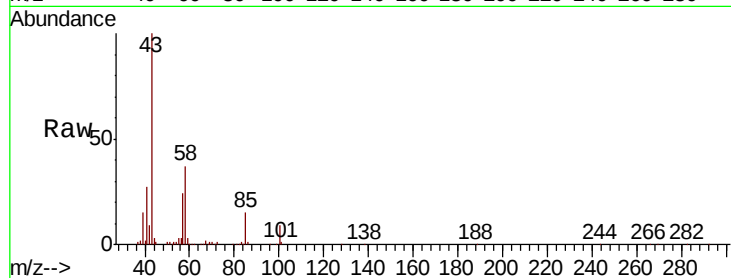
Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	25.0	37.4#
56	0.0	25.3	37.9#





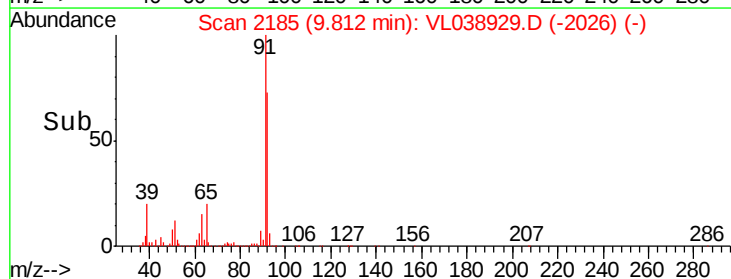
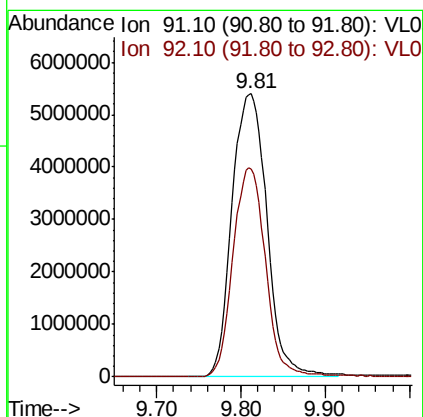
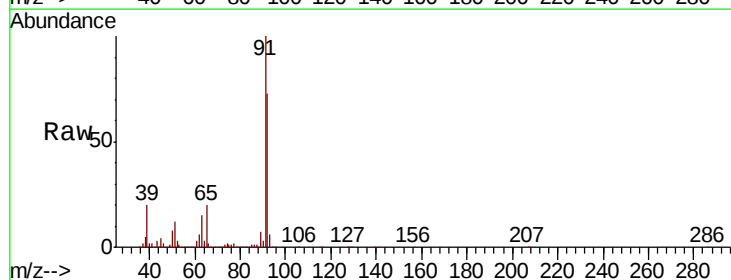
#50
 4-Methyl-2-pentanone
 Concen: 2.228 ppbv
 RT: 8.74
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 14 Apr 2022 22:45

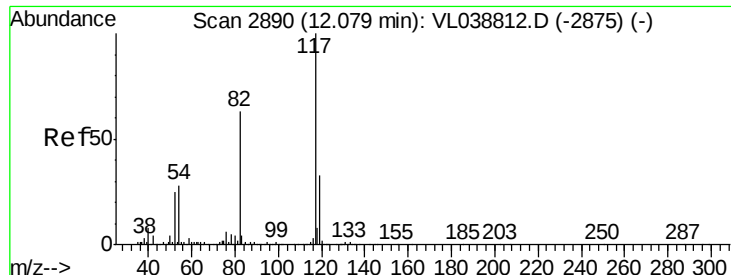
Tot Ion: 43 Resp: 580521
 Ion Ratio Lower Upper
 43 100
 58 38.1 29.0 43.6



#53
 Toluene
 Concen: 50.717 ppbv
 RT: 9.81 min Scan# 2185
 Delta R.T. 0.01 min
 Lab File: VL038929.D
 Acq: 14 Apr 2022 22:45

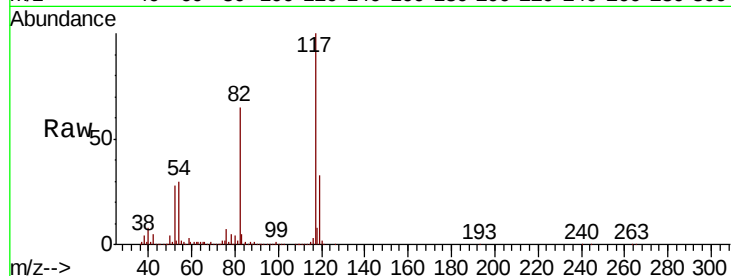
Tgt Ion: 91 Resp: 15614629
 Ion Ratio Lower Upper
 91 100
 92 69.6 49.2 73.8



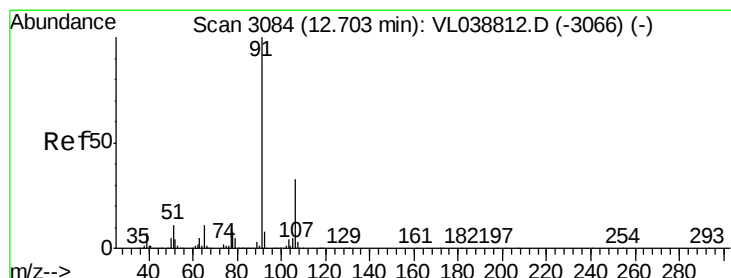
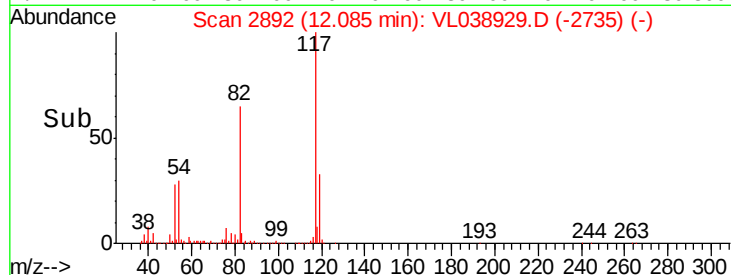
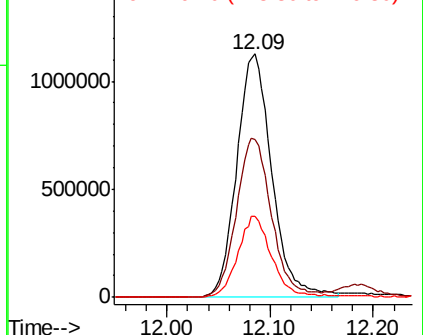


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Apr 2022 22:45

Tot Ion: 117 Resp: 2674419
Ion Ratio Lower Upper
117 100
82 65.0 53.0 79.6
119 33.0 24.9 37.3

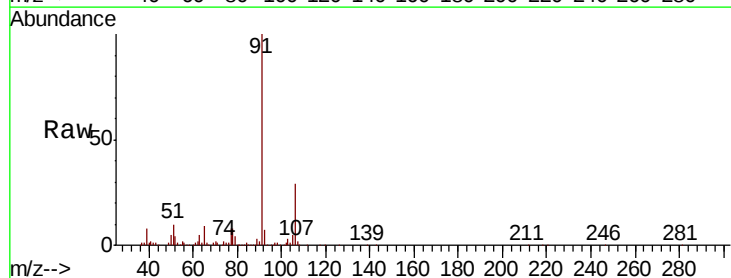


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

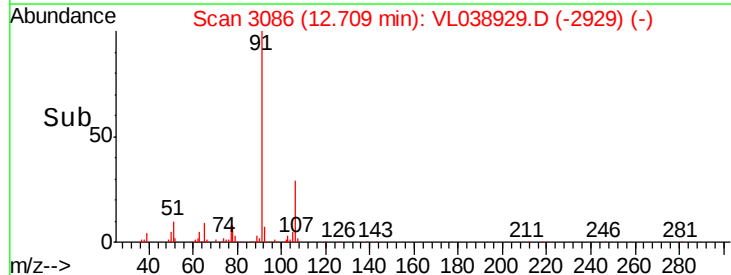
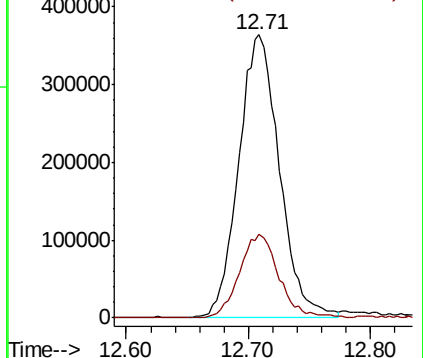


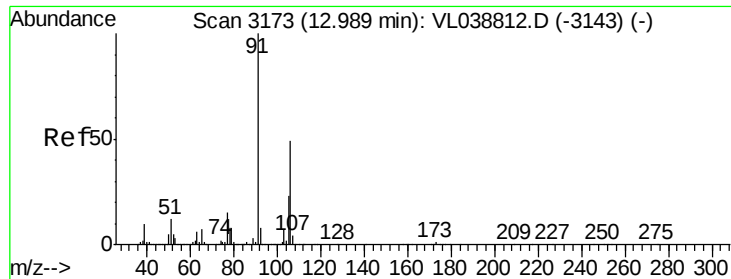
#58
Ethyl Benzene
Concen: 2.090 ppbv
RT: 12.71 min Scan# 3086
Delta R.T.: 0.01 min
Lab File: VL038929.D
Acq: 14 Apr 2022 22:45

Tgt Ion: 91 Resp: 835063
Ion Ratio Lower Upper
91 100
106 29.4 26.7 40.1



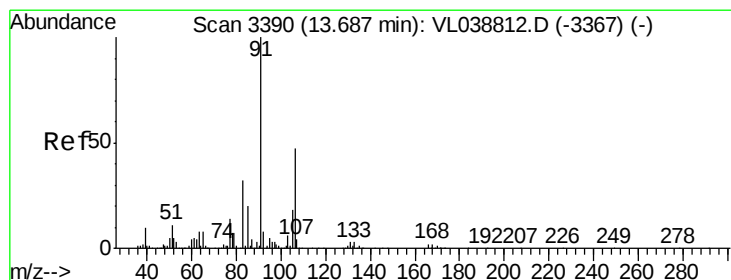
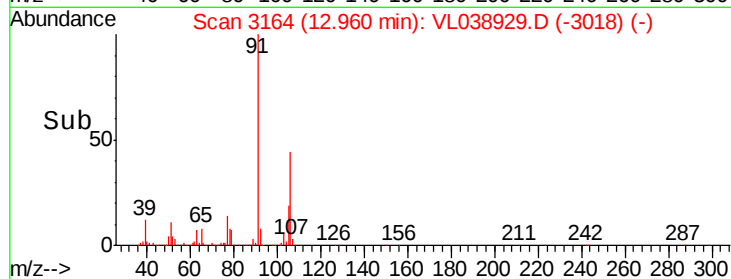
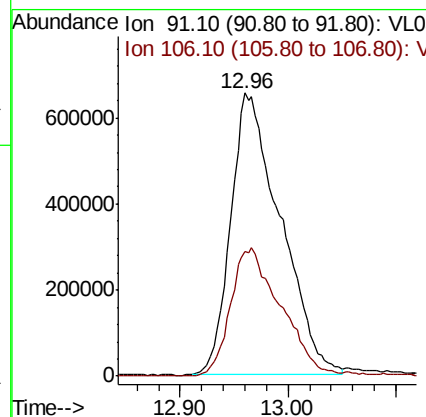
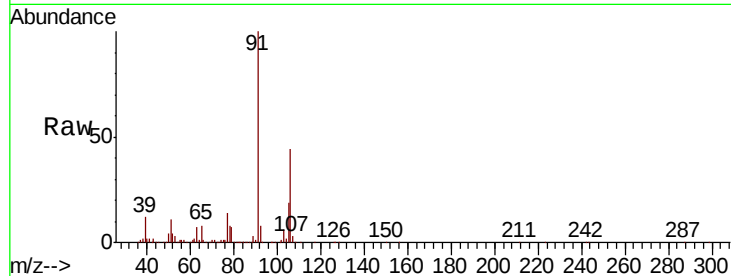
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





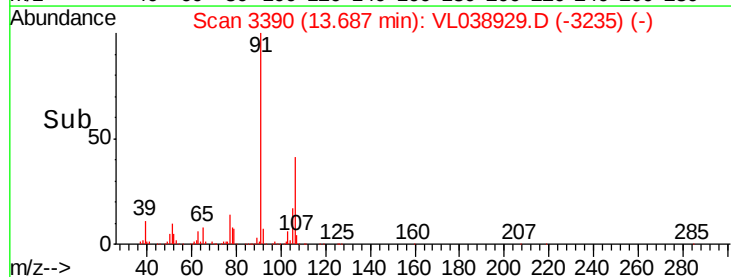
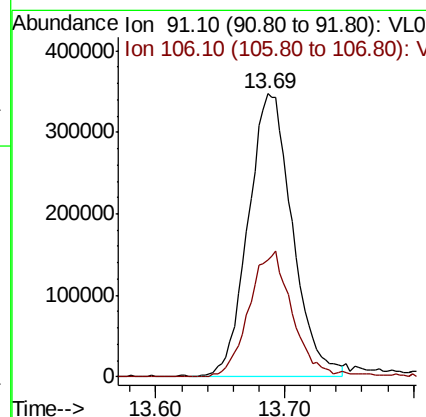
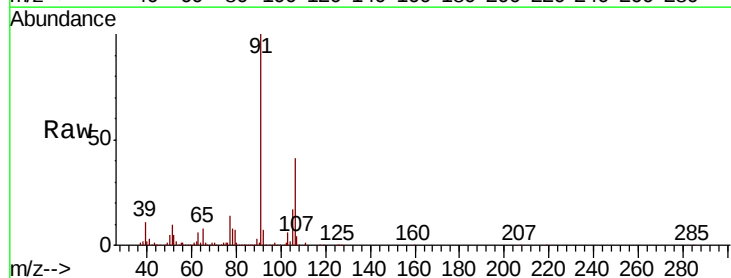
#59
m/p-Xylene
Concen: 6.266 ppbv
RT: 12.96 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Apr 2022 22:45

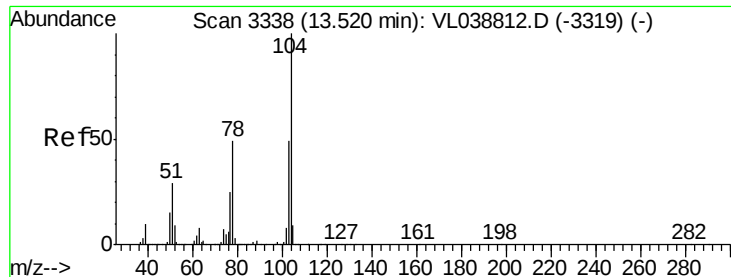
Tot Ion: 91 Resp: 2103655
Ion Ratio Lower Upper
91 100
106 46.9 37.1 55.7



#60
o-Xylene
Concen: 2.612 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VL038929.D
Acq: 14 Apr 2022 22:45

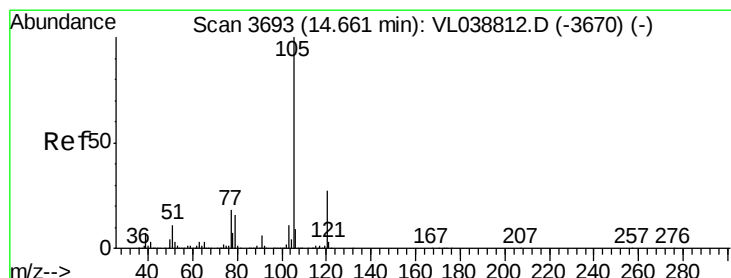
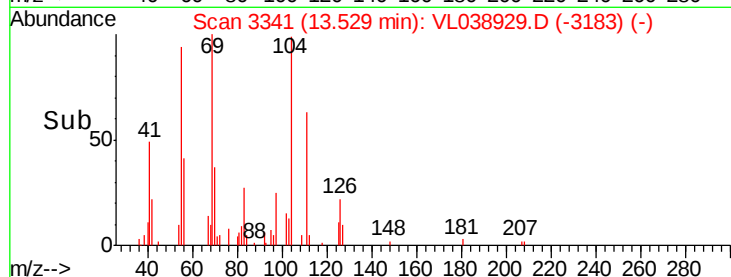
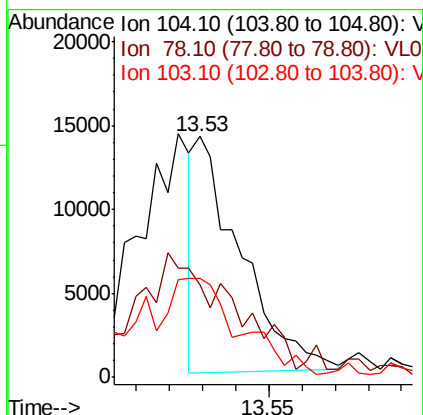
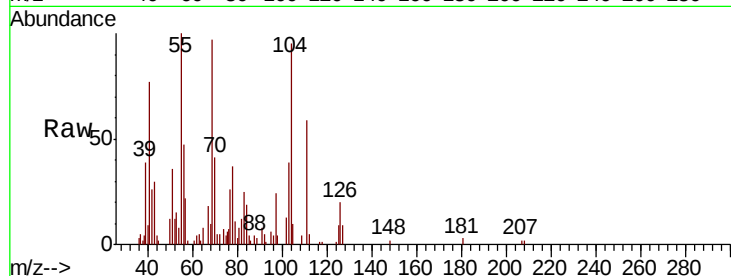
Tgt Ion: 91 Resp: 820562
Ion Ratio Lower Upper
91 100
106 44.4 23.8 71.4





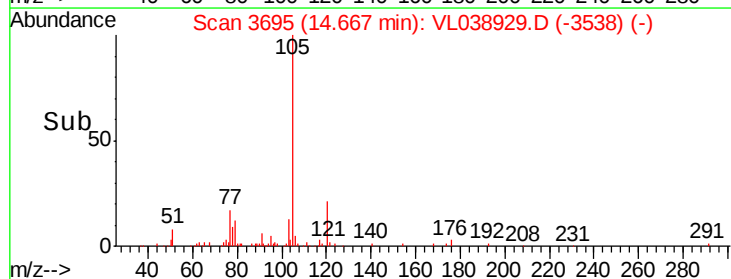
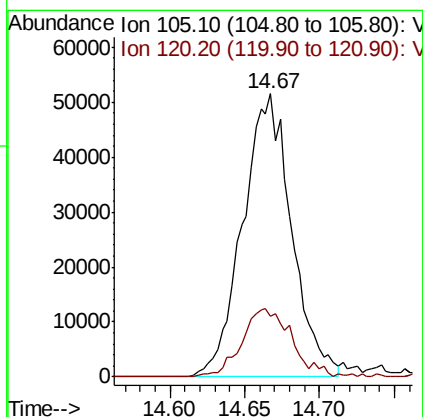
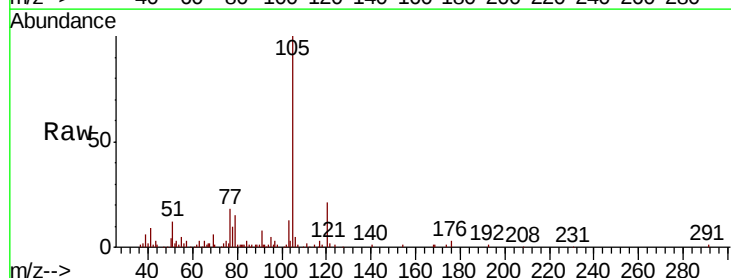
#61
Stvrene
Concen: 0.070 ppbv
RT: 13.53 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Apr 2022 22:45

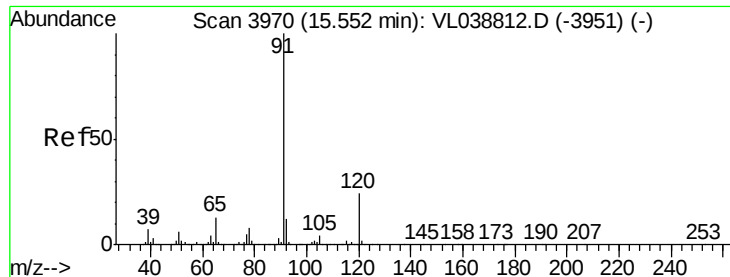
Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	40.5	60.7#
103	99.4	39.0	58.4#



#62
Isopropylbenzene
Concen: 0.248 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. 0.01 min
Lab File: VL038929.D
Acq: 14 Apr 2022 22:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.6	21.8	32.8





#64

n-propylbenzene

Concen: 0.759 ppbv

RT: 15.56 min

Delta R.T. MSVOA_L

Lab File:

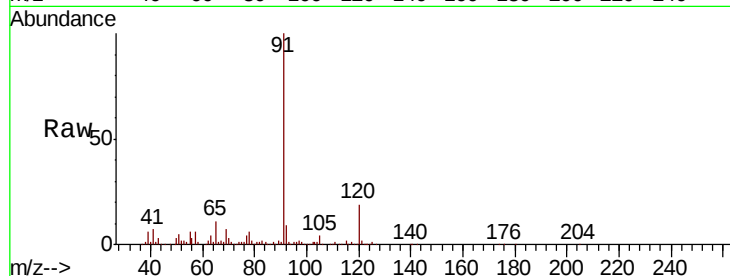
Acq: 14 Apr 2022 22:45

Tot Ion:120 Resp: 92893

Ion Ratio Lower Upper

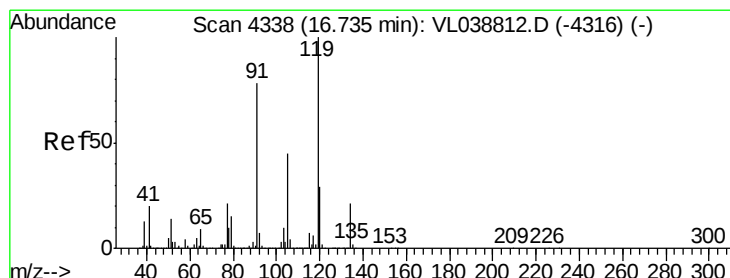
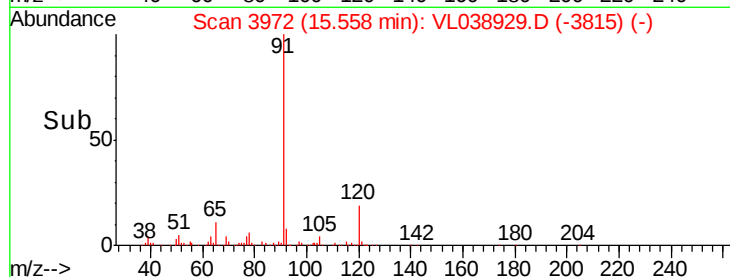
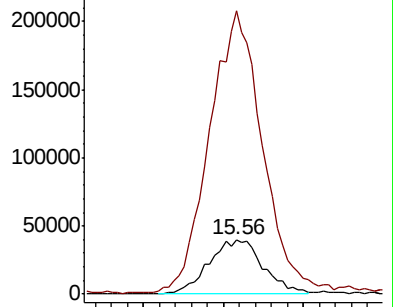
120 100

91 502.3 360.6 540.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.356 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.02 min

Lab File: VL038929.D

Acq: 14 Apr 2022 22:45

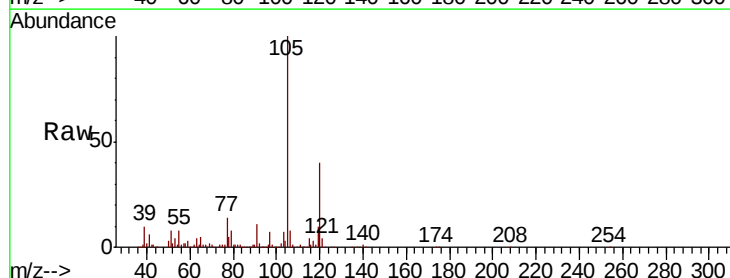
Tgt Ion:119 Resp: 148952

Ion Ratio Lower Upper

119 100

91 113.1 62.8 94.2#

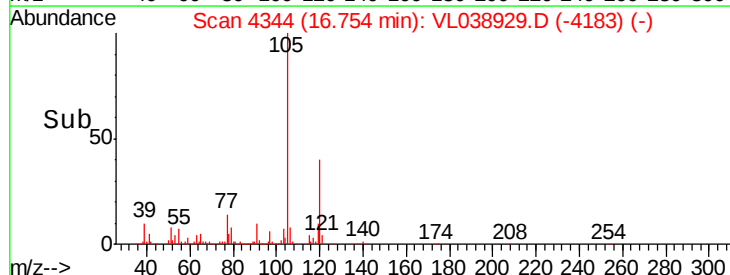
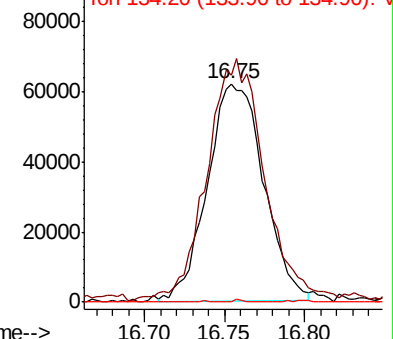
134 0.2 16.2 24.4#

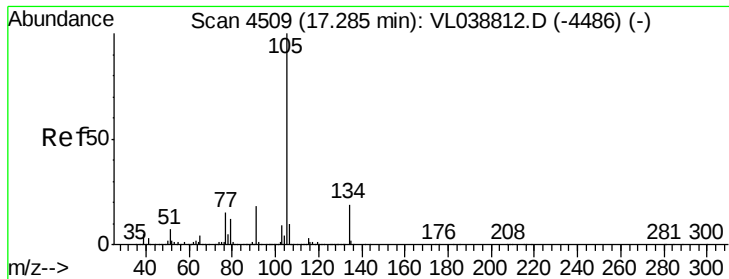


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#67

sec-Butylbenzene

Concen: 0.092 ppbv

RT: 17.28 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

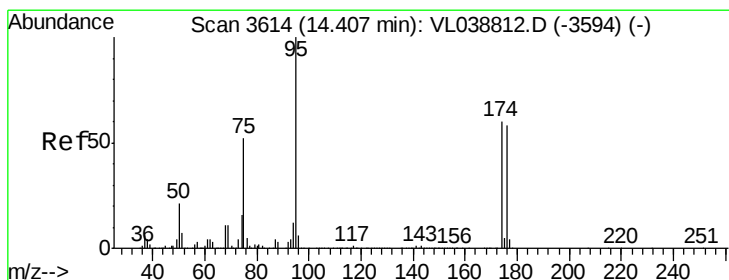
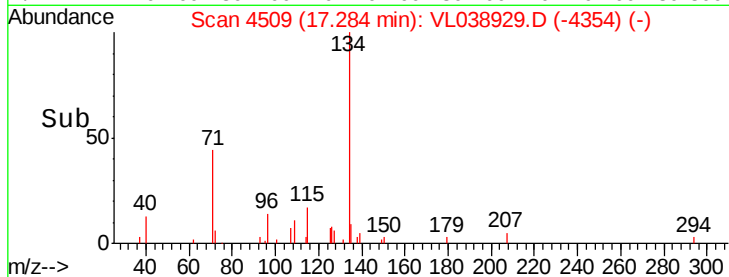
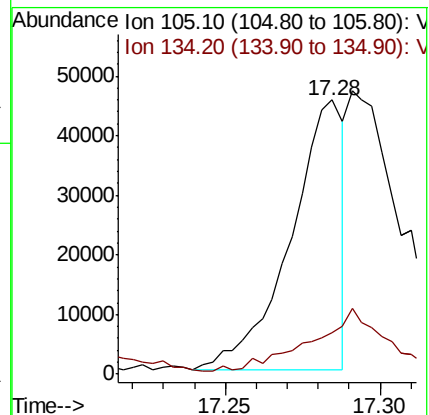
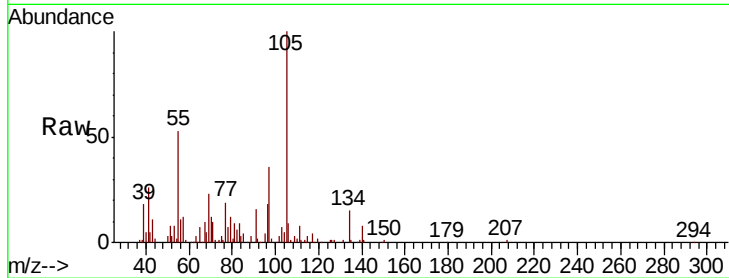
Acq: 14 Apr 2022 22:45

Tot Ion: 105 Resp: 53810

Ion Ratio Lower Upper

105 100

134 17.0 15.1 22.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.347 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.00 min

Lab File: VL038929.D

Acq: 14 Apr 2022 22:45

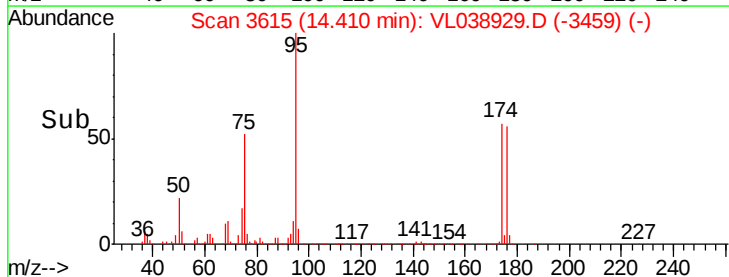
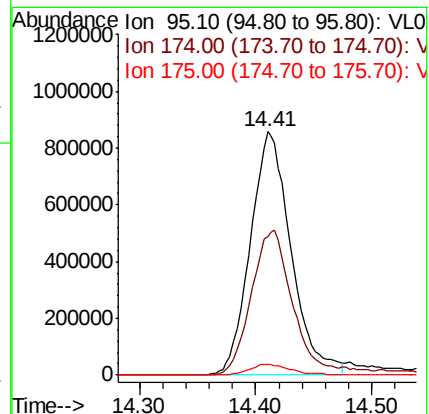
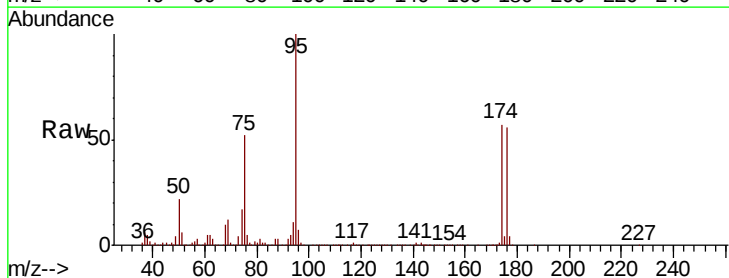
Tgt Ion: 95 Resp: 2098953

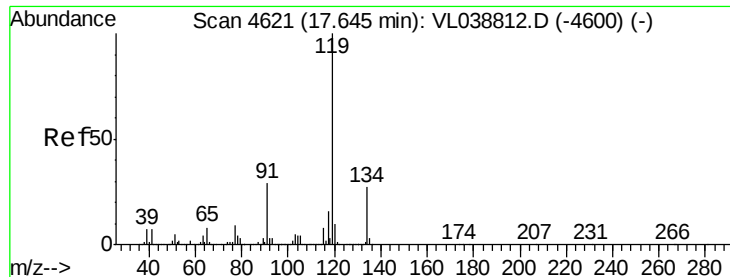
Ion Ratio Lower Upper

95 100

174 64.5 52.0 78.0

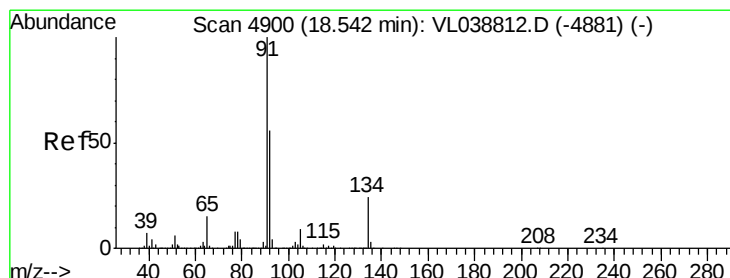
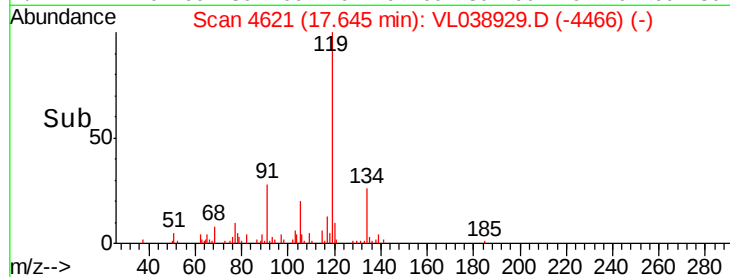
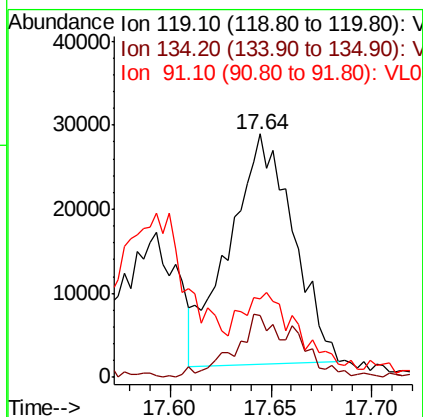
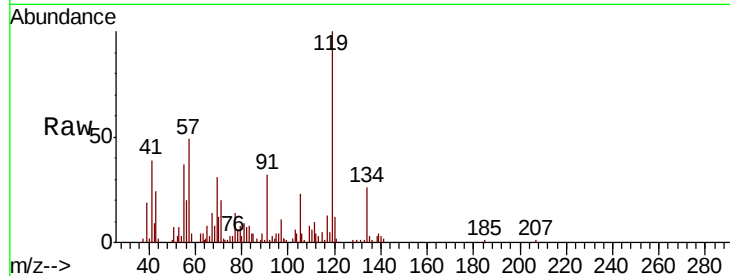
175 4.6 4.0 6.0





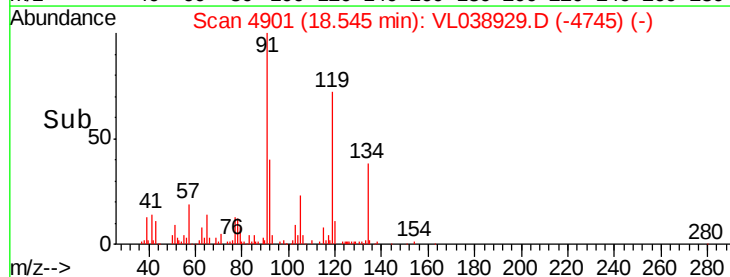
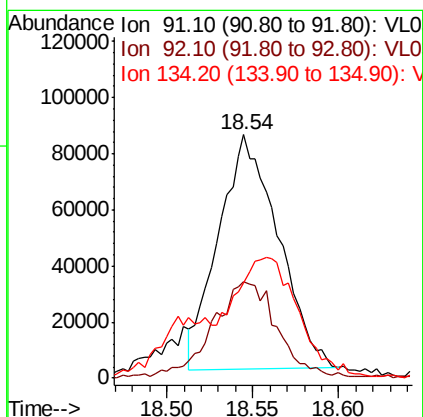
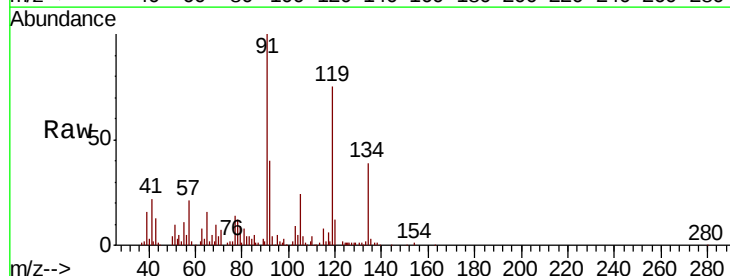
#69
 p-Isopropyltoluene
 Concen: 0.125 ppbv
 RT: 17.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 14 Apr 2022 22:45

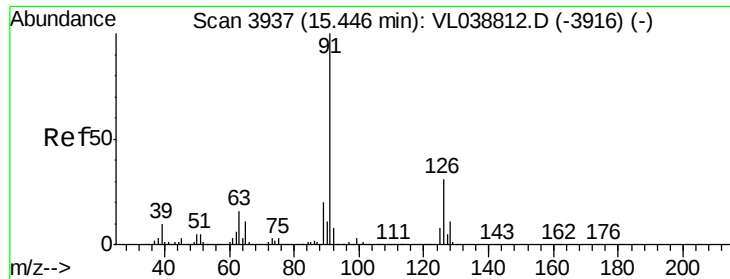
Tot Ion:	119	Resp:	60414
Ion	Ratio	Lower	Upper
119	100		
134	27.3	20.8	31.2
91	35.8	22.6	34.0#



#70
 n-Butylbenzene
 Concen: 0.414 ppbv
 RT: 18.54 min Scan# 4901
 Delta R.T.: 0.00 min
 Lab File: VL038929.D
 Acq: 14 Apr 2022 22:45

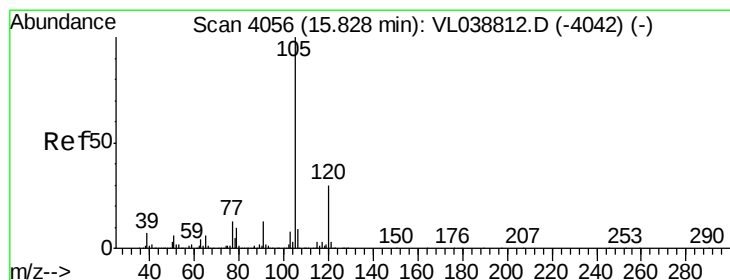
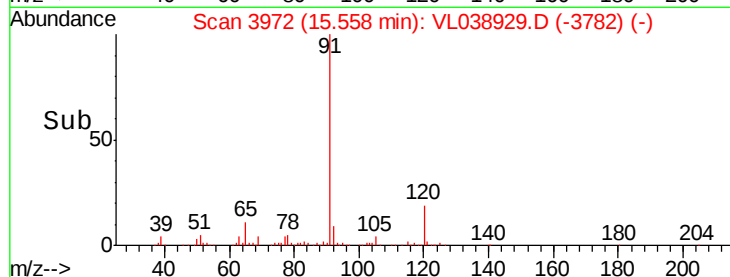
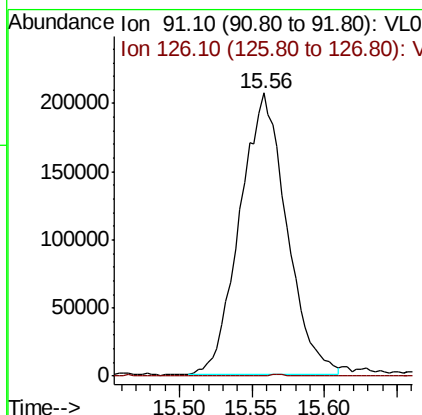
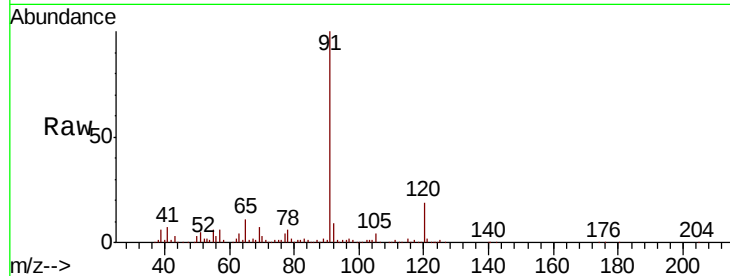
Tgt Ion:	91	Resp:	201054
Ion	Ratio	Lower	Upper
91	100		
92	46.2	44.6	66.8
134	80.0	19.2	28.8#





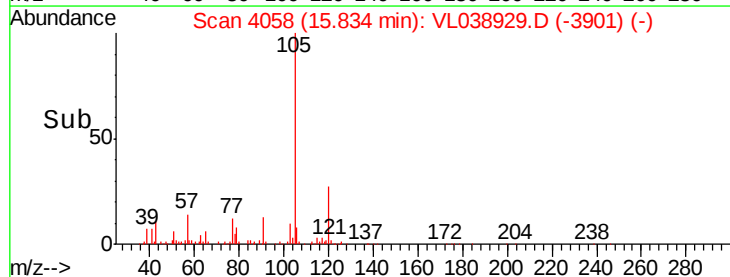
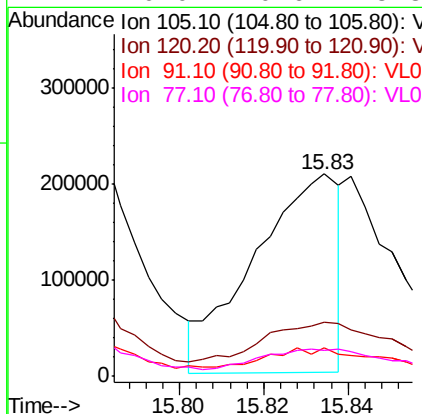
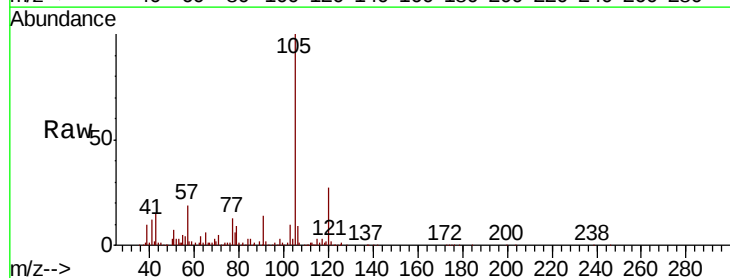
#71
 2-Chlorotoluene
 Concen: 1.313 ppbv
 RT: 15.56 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 14 Apr 2022 22:45

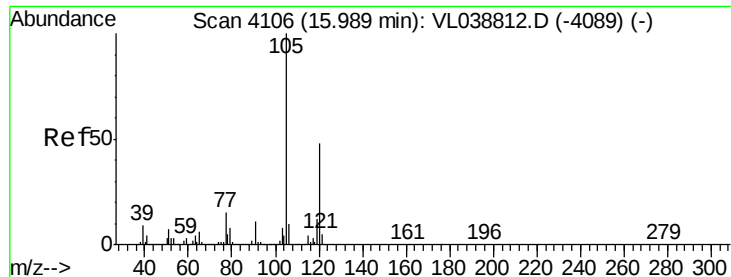
Tot Ion: 91 Resp: 465543
 Ion Ratio Lower Upper
 91 100
 126 0.4 13.0 51.8#



#72
 4-Ethyltoluene
 Concen: 0.773 ppbv
 RT: 15.83 min Scan# 4058
 Delta R.T. 0.01 min
 Lab File: VL038929.D
 Acq: 14 Apr 2022 22:45

Tgt Ion:105 Resp: 289817
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.3 36.5#
 91 20.3 9.4 14.2#
 77 0.0 10.6 15.8#





#73

1,3,5-Trimethylbenzene

Concen: 1.206 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

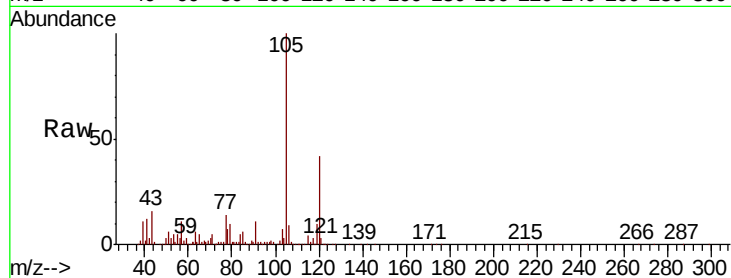
Acq: 14 Apr 2022 22:45

Tot Ion:105 Resp: 406409

Ion Ratio Lower Upper

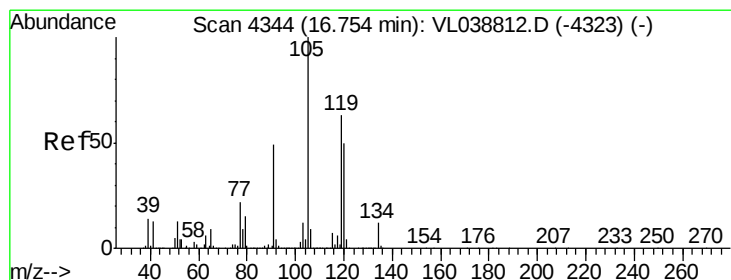
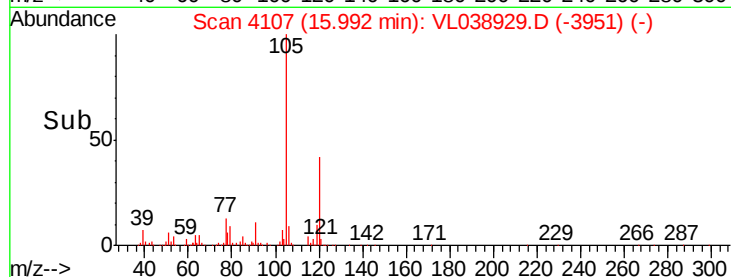
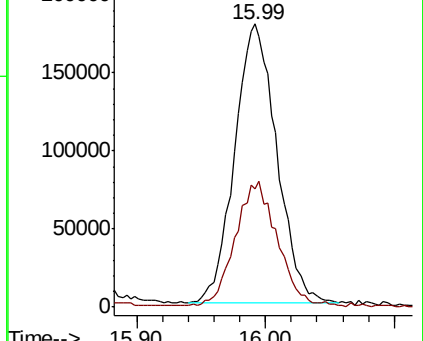
105 100

120 42.0 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: 4.013 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.00 min

Lab File: VL038929.D

Acq: 14 Apr 2022 22:45

Tgt Ion:105 Resp: 1429781

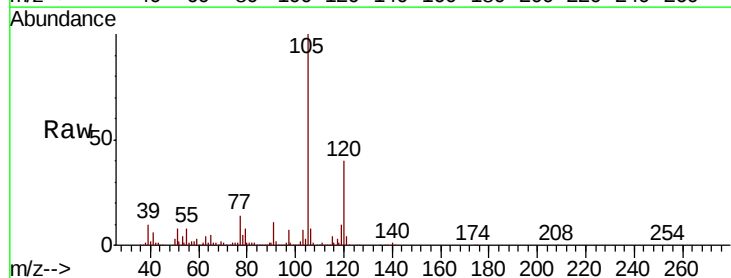
Ion Ratio Lower Upper

105 100

120 40.0 39.8 59.8

91 10.4 39.4 59.0#

77 14.4 17.3 25.9#

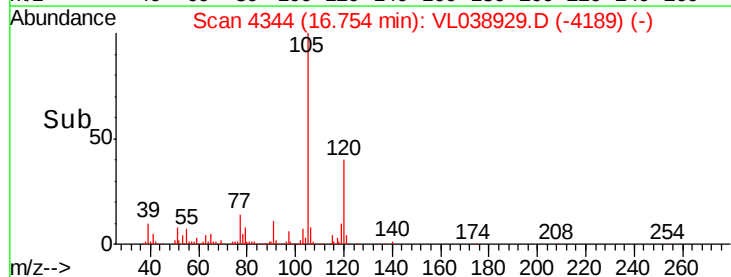
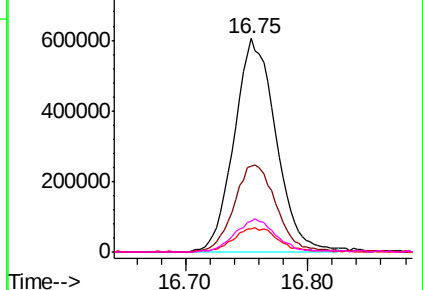


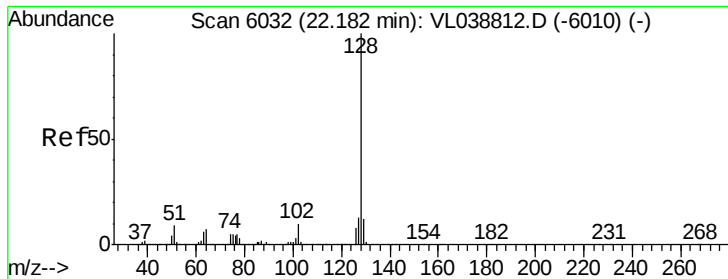
Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.139 ppbv

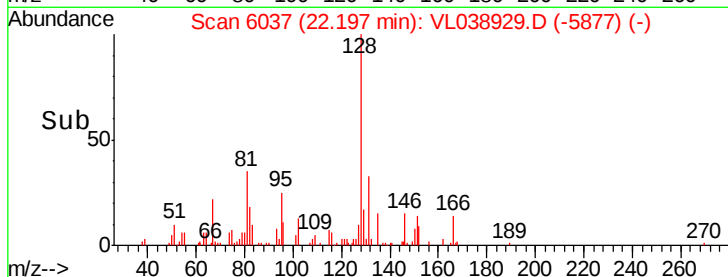
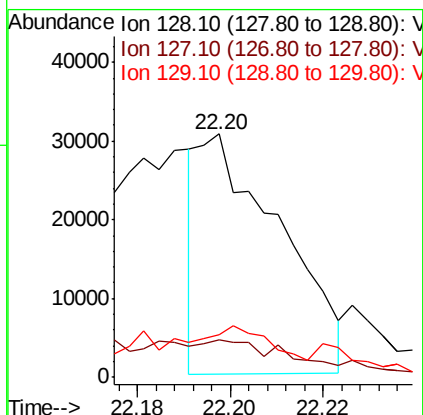
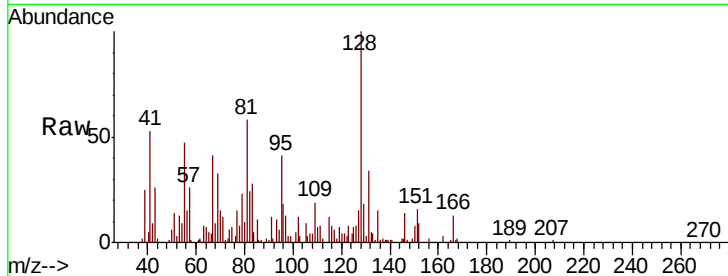
RT: 22.20

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Apr 2022 22:45

Tot Ion:128	Resp:	37117
Ion Ratio	Lower	Upper
128	100	
127	13.1	10.6 15.8
129	6.7	9.4 14.0#



#80

Naphthalene, 2-methyl-

Concen: 0.240 ppbv

RT: 24.97 min Scan# 6900

Delta R.T. 0.01 min

Lab File: VL038929.D

Acq: 14 Apr 2022 22:45

Tgt Ion:142	Resp:	15754
Ion Ratio	Lower	Upper
142	100	
141	75.5	68.8 103.2
115	157.0	31.6 47.4#

