

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036870.D
 Acq On : 27 Apr 2021 23:11
 Operator : SY/AP
 Sample : M2172-06
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 28 05:27:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1591586	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	3851108	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	3582360	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2878337	10.01	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	41931	0.167 ppbv	98
3) Chlorodifluoromethane	2.99	51	192187	0.663 ppbv	94
4) Chloromethane	3.15	50	25992	0.273 ppbv #	86
5) Vinyl Chloride	3.26	62	13852	0.144 ppbv #	86
7) Chloroethane	3.56	64	1528	0.048 ppbv #	85
9) Propene	3.02	41	84344	0.955 ppbv	97
10) Heptane	8.13	43	52677	0.237 ppbv	100
11) Trichlorofluoromethane	3.95	101	57185	0.256 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	8164	0.055 ppbv #	17
13) Ethanol	3.64	45	17715010	1572.422 ppbv	99
15) Acetone	3.85	43	11149127	74.323 ppbv	100
16) 1,3-Butadiene	3.30	39	169013	1.762 ppbv #	18
17) tert-Butyl alcohol	4.33	59	1253742	10.297 ppbv	100
18) 1,1-Dichloroethene	4.29	96	5118	0.079 ppbv #	23
19) Isopropyl Alcohol	4.01	45	15157697	203.932 ppbv #	93
20) Methylene Chloride	4.35	84	375524	5.235 ppbv	94
21) Allyl Chloride	4.33	41	417753	3.748 ppbv #	63
22) trans-1,2-Dichloroethene	4.89	96	3300	0.051 ppbv #	87
23) Vinyl Acetate	5.07	43	706740	3.463 ppbv #	84
24) 1,1-Dichloroethane	5.02	63	5731	0.040 ppbv #	91
25) Ethyl Acetate	5.69	43	703100	1.919 ppbv #	96
26) Hexane	5.69	57	505742	2.950 ppbv #	69
29) Chloroform	5.76	83	925208	3.462 ppbv	99
30) Cyclohexane	7.14	84	40933	0.301 ppbv #	1
31) cis-1,2-Dichloroethene	5.56	61	618057	4.016 ppbv	100
32) 1,1,1-Trichloroethane	6.51	97	64589	0.238 ppbv	94
34) 2-Butanone	5.25	43	1707961	10.124 ppbv	99
35) Carbon Tetrachloride	7.02	117	330555	1.265 ppbv	96
36) Benzene	6.90	78	230204	0.709 ppbv	96
38) Trichloroethene	7.84	130	62865	0.544 ppbv	92
39) 1,2-Dichloropropane	7.19	63	1010248	7.771 ppbv #	24
41) Tetrahydrofuran	6.06	42	4072	0.055 ppbv #	17
42) Bromodichloromethane	7.80	83	10098	0.040 ppbv #	61
44) 2,2,4-Trimethylpentane	7.87	57	236535	0.425 ppbv #	71
50) 4-Methyl-2-Pentanone	8.76	43	262578	1.139 ppbv	96
51) 2-Hexanone	10.06	43	55979	0.487 ppbv #	70
52) Tetrachloroethene	11.23	164	1013681	9.174 ppbv	99
53) Toluene	9.81	91	880075	2.592 ppbv	98
58) Ethyl Benzene	12.72	91	240949	0.530 ppbv	97
59) m/p-Xylene	12.98	91	752618	1.853 ppbv	95
60) o-Xylene	13.70	91	364281	0.928 ppbv	99

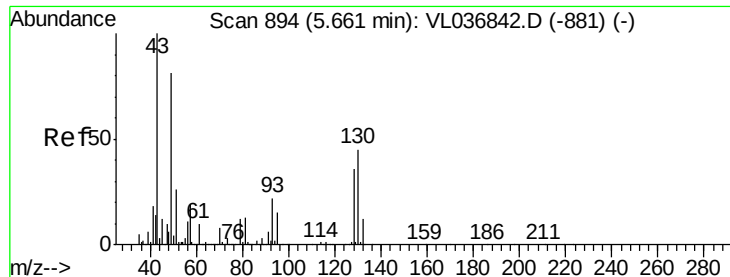
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036870.D
 Acq On : 27 Apr 2021 23:11
 Operator : SY/AP
 Sample : M2172-06
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Quant Time: Apr 28 05:27:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
61) Styrene	13.54	104	8980	0.049	ppbv	#	1
64) n-propylbenzene	15.58	120	5094	0.038	ppbv	#	1
65) tert-Butylbenzene	16.77	119	68022	0.144	ppbv	#	57
66) Benzyl Chloride	17.01	91	11151	0.241	ppbv	#	66
67) sec-Butylbenzene	17.05	105	281013	0.428	ppbv	#	1
70) n-Butylbenzene	18.56	91	17955	0.034	ppbv	#	17
72) 4-Ethyltoluene	15.85	105	147471	0.350	ppbv	#	94
73) 1,3,5-Trimethylbenzene	16.01	105	40776	0.100	ppbv	#	83
74) 1,2,4-Trimethylbenzene	16.77	105	629788	1.451	ppbv	#	74
75) 1,3-Dichlorobenzene	17.01	146	1227695	4.783	ppbv	#	8
76) 1,4-Dichlorobenzene	17.06	146	41188	0.164	ppbv	#	22
79) Naphthalene	22.22	128	20377	0.084	ppbv	#	86

(#) = 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: 27 Apr 2021 23:11

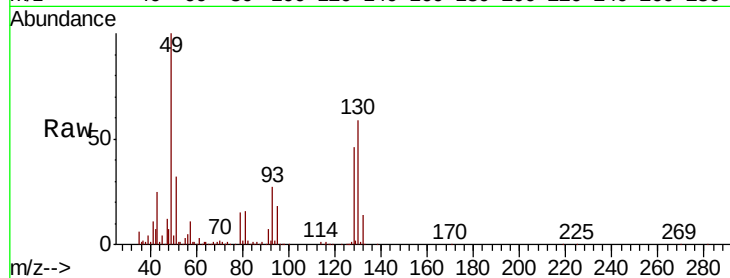
Tot Ion: 49 Resp: 1591586

Ion Ratio Lower Upper

49 100

128 46.6 24.4 73.2

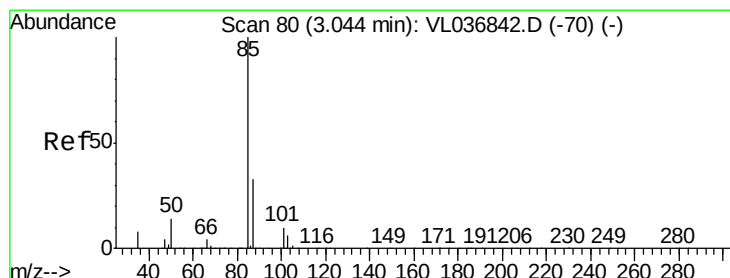
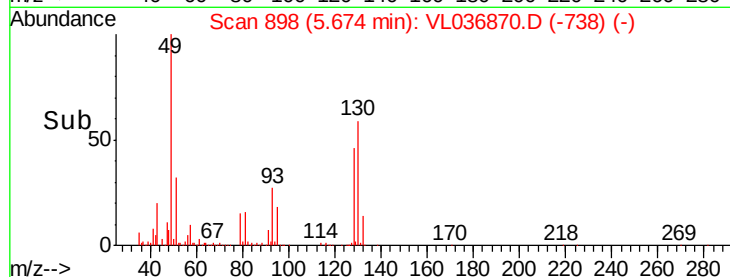
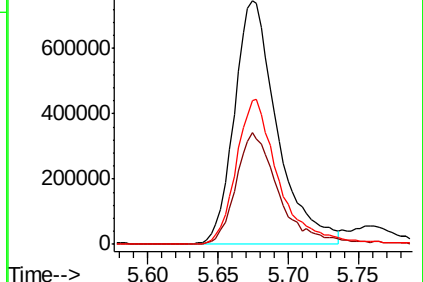
130 59.7 30.3 90.8



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: 0.167 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL036870.D

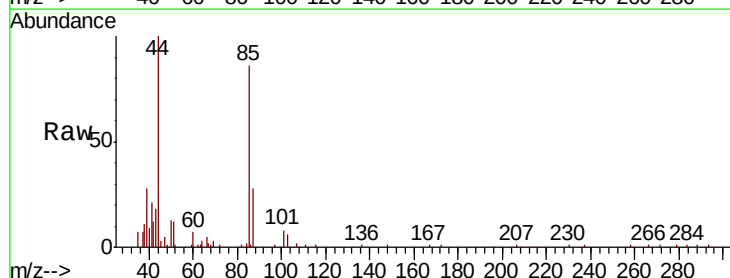
Acq: 27 Apr 2021 23:11

Tgt Ion: 85 Resp: 41931

Ion Ratio Lower Upper

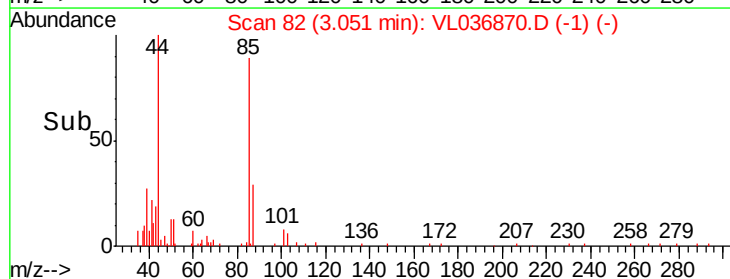
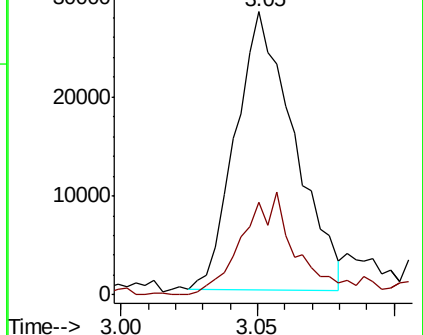
85 100

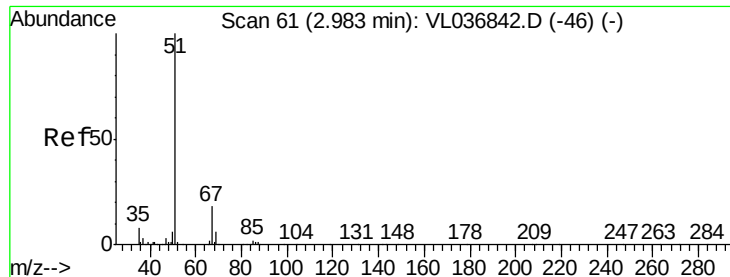
87 33.8 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.663 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

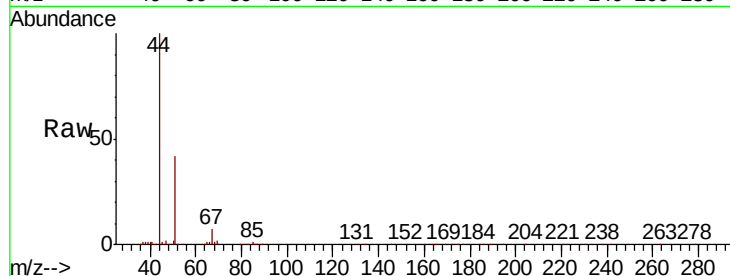
Acq: 27 Apr 2021 23:11

Tot Ion: 51 Resp: 192187

Ion Ratio Lower Upper

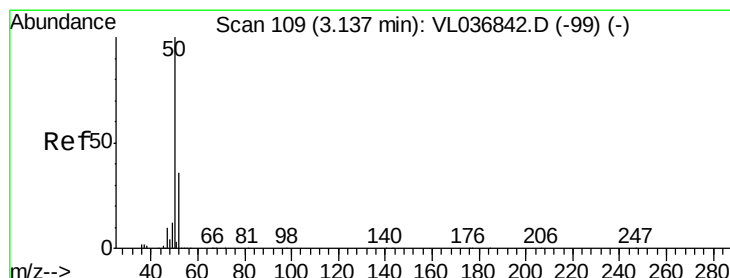
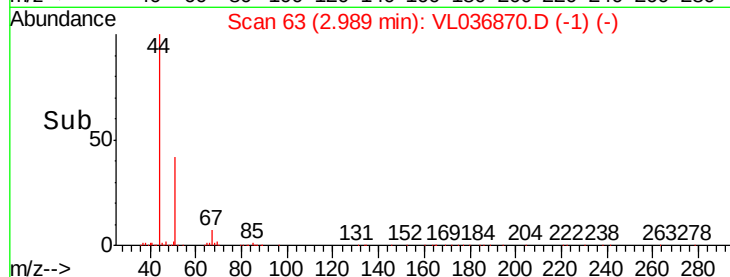
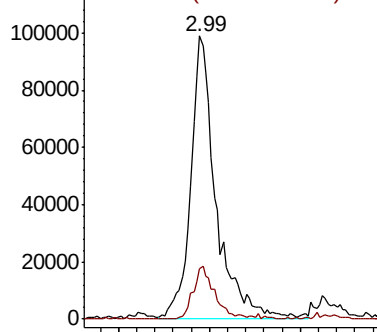
51 100

67 16.0 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.273 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL036870.D

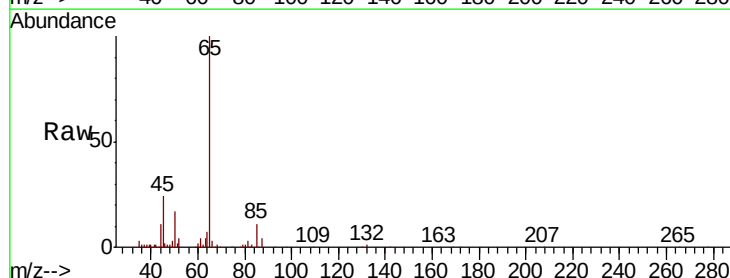
Acq: 27 Apr 2021 23:11

Tgt Ion: 50 Resp: 25992

Ion Ratio Lower Upper

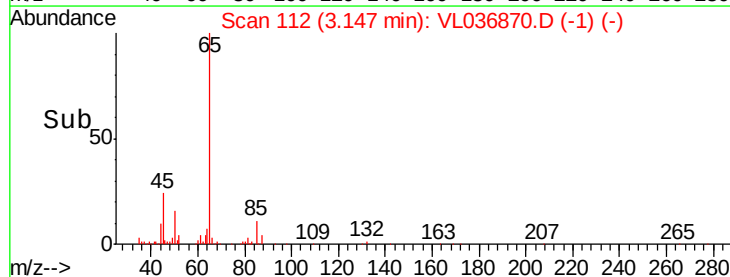
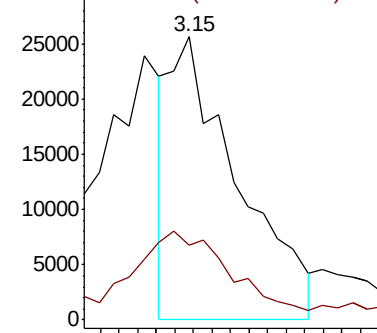
50 100

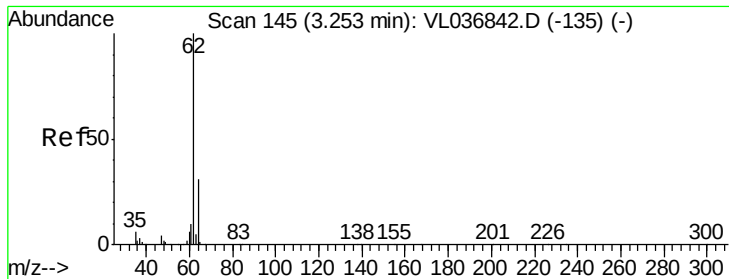
52 27.6 28.5 42.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.144 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

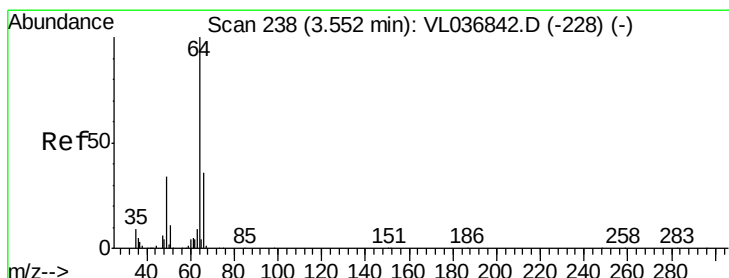
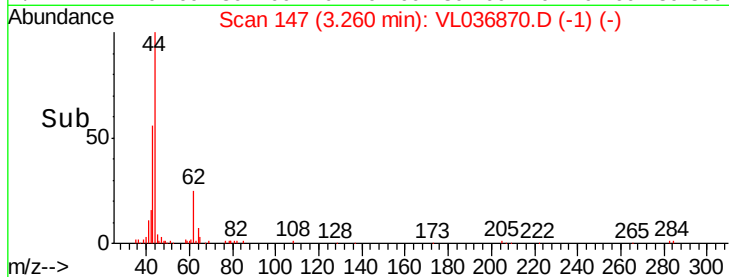
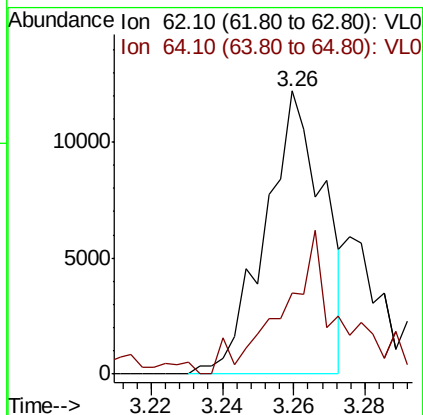
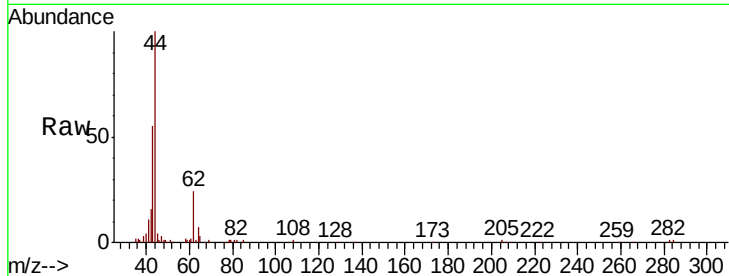
Acq: 27 Apr 2021 23:11

Tot Ion: 62 Resp: 13852

Ion Ratio Lower Upper

62 100

64 23.6 25.0 37.4#



#7

Chloroethane

Concen: 0.048 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.01 min

Lab File: VL036870.D

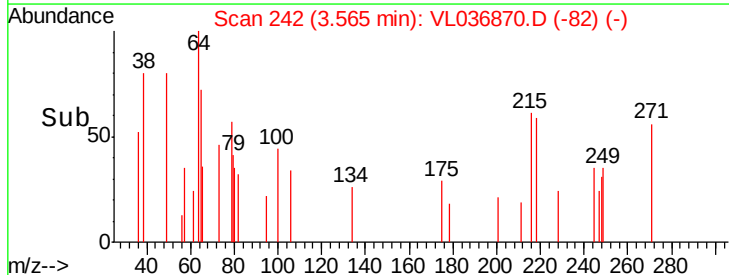
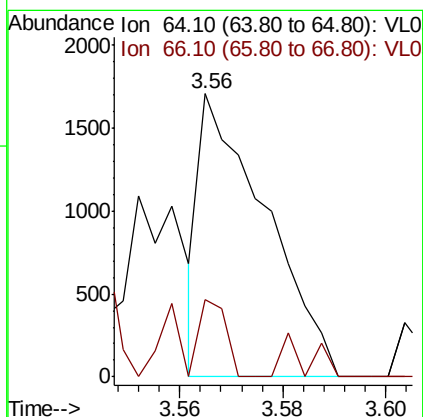
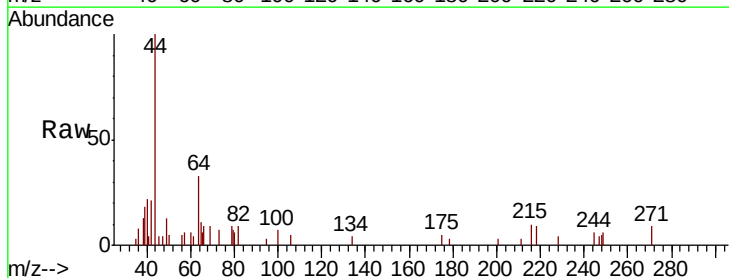
Acq: 27 Apr 2021 23:11

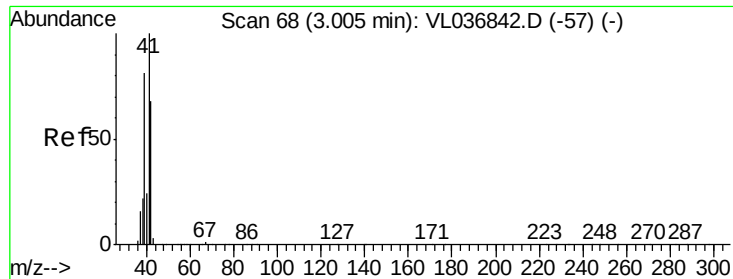
Tgt Ion: 64 Resp: 1528

Ion Ratio Lower Upper

64 100

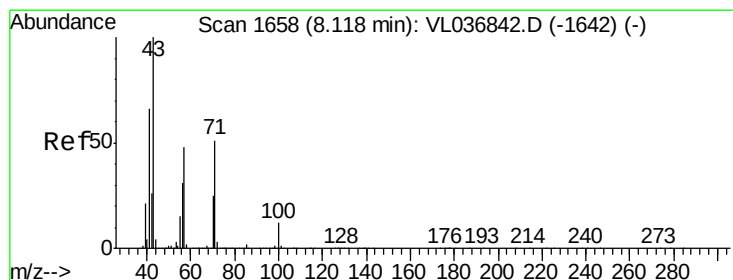
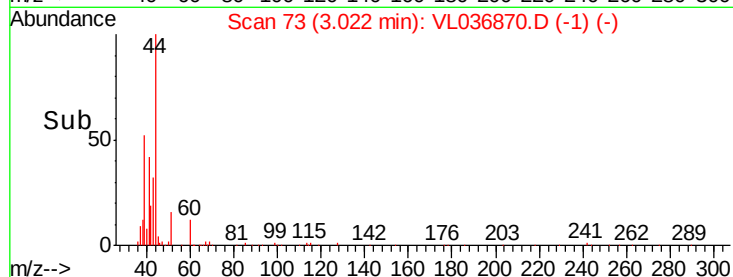
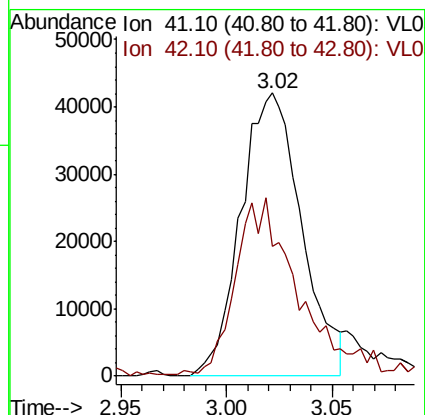
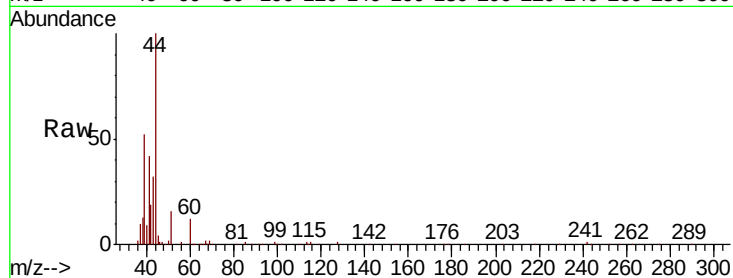
66 27.4 29.0 43.6#





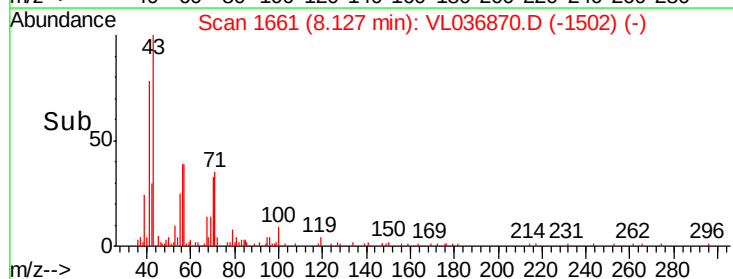
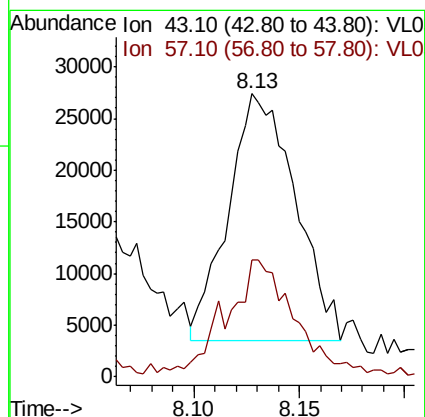
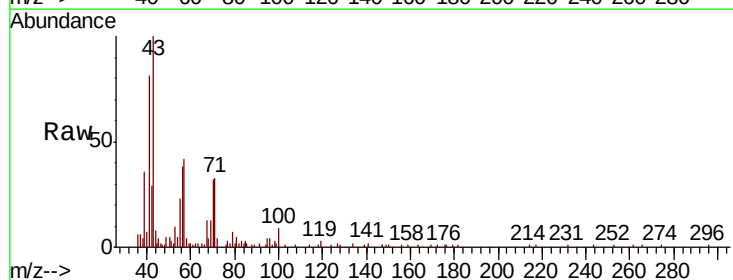
#9
 Propene
 Concen: 0.955 ppbv
 RT: 3.02
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Apr 2021 23:11

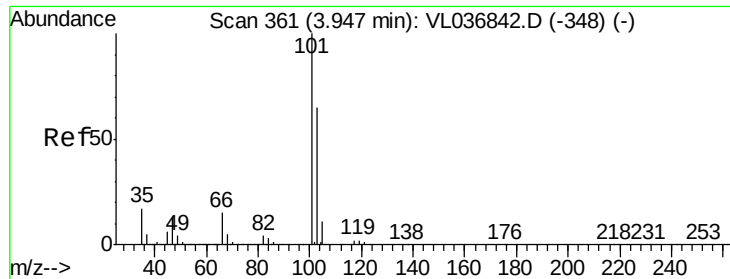
Tot Ion: 41 Resp: 84344
 Ion Ratio Lower Upper
 41 100
 42 67.6 56.0 84.0



#10
 Heptane
 Concen: 0.237 ppbv
 RT: 8.13 min Scan# 1661
 Delta R.T. 0.01 min
 Lab File: VL036870.D
 Acq: 27 Apr 2021 23:11

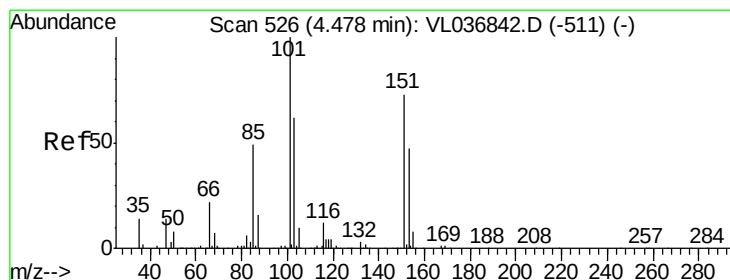
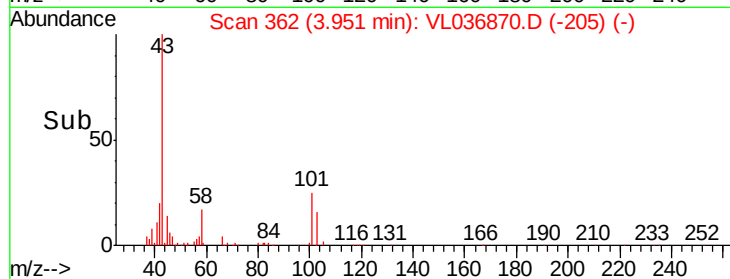
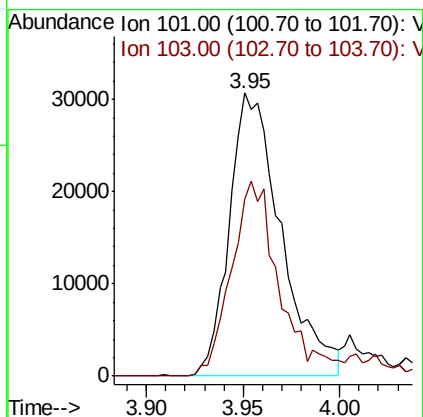
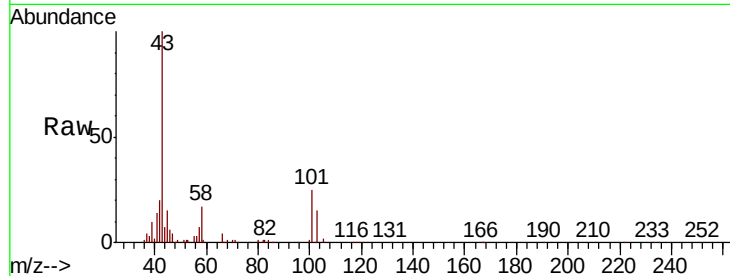
Tgt Ion: 43 Resp: 52677
 Ion Ratio Lower Upper
 43 100
 57 48.3 38.8 58.2





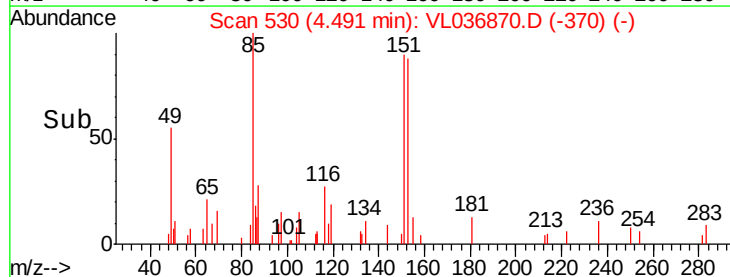
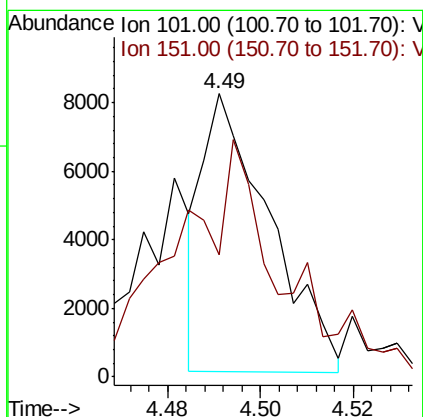
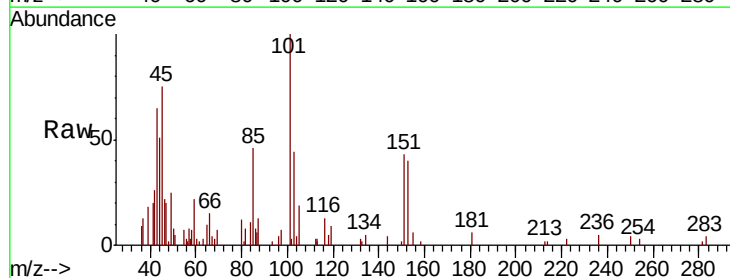
#11
 Trichlorofluoromethane
 Concen: 0.256 ppbv
 RT: 3.95 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 27 Apr 2021 23:11

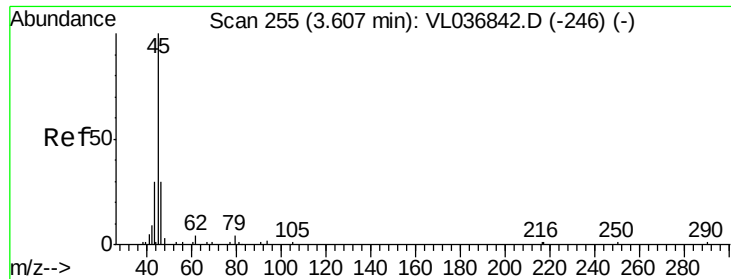
Tot Ion:101 Resp: 57185
 Ion Ratio Lower Upper
 101 100
 103 62.6 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.055 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VL036870.D
 Acq: 27 Apr 2021 23:11

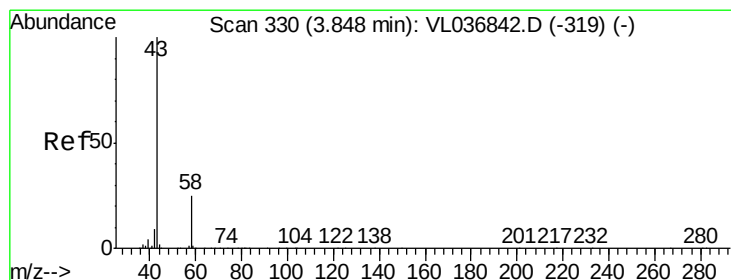
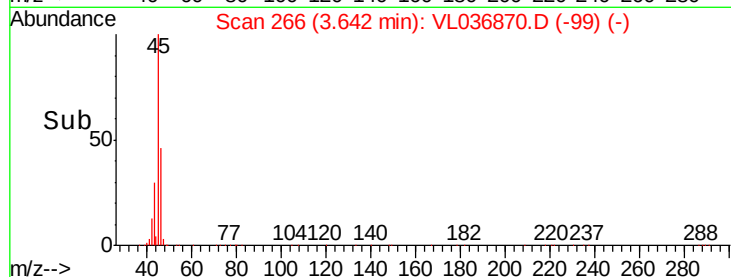
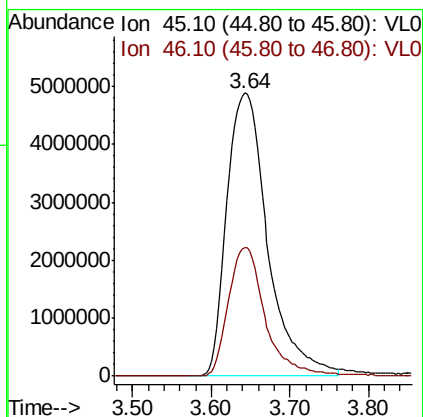
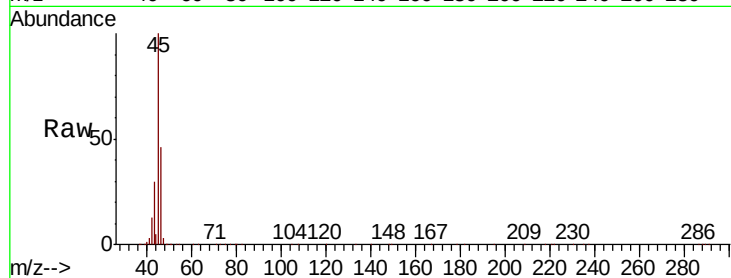
Tgt Ion:101 Resp: 8164
 Ion Ratio Lower Upper
 101 100
 151 147.8 61.1 91.7#





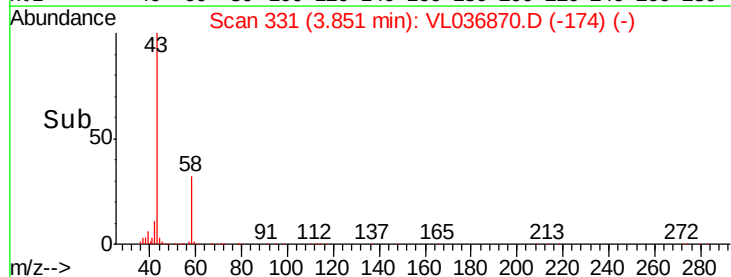
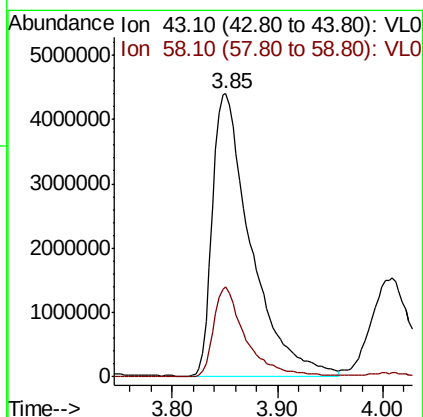
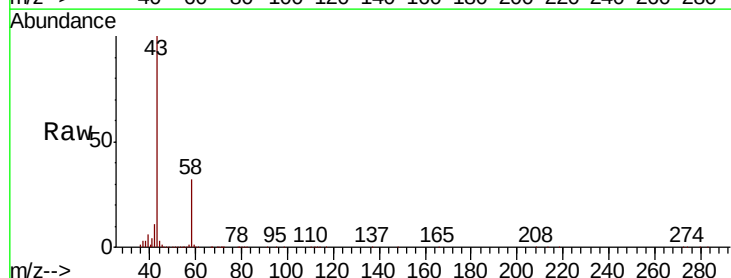
#13
Ethanol
Concen: 1572.422 ppbv
RT: 3.64
Instrument : MSVOA_L
Delta R.T. :
Lab File: ClientSampleId :
Acq: 27 Apr 2021 23:11

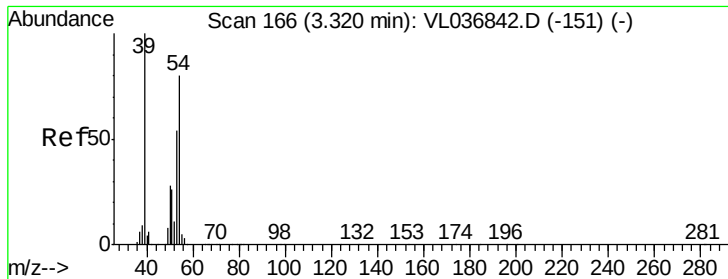
Tot Ion: 45 Resp:17715010
Ion Ratio Lower Upper
45 100
46 41.6 16.8 67.4



#15
Acetone
Concen: 74.323 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL036870.D
Acq: 27 Apr 2021 23:11

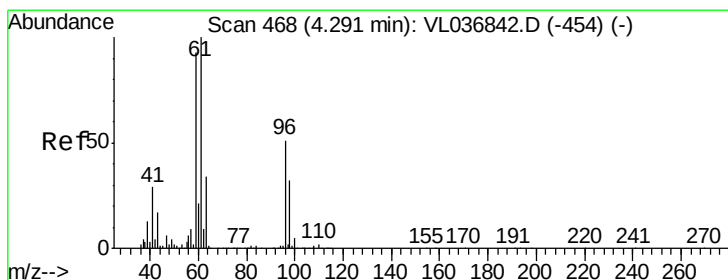
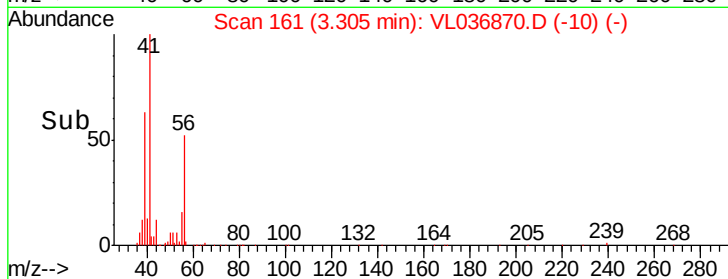
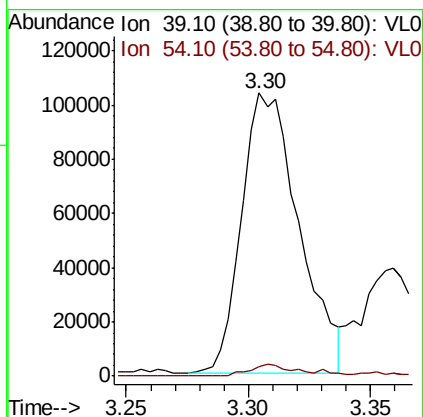
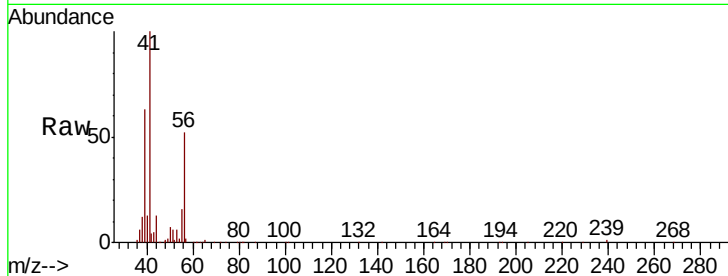
Tgt Ion: 43 Resp:11149127
Ion Ratio Lower Upper
43 100
58 26.9 21.7 32.5





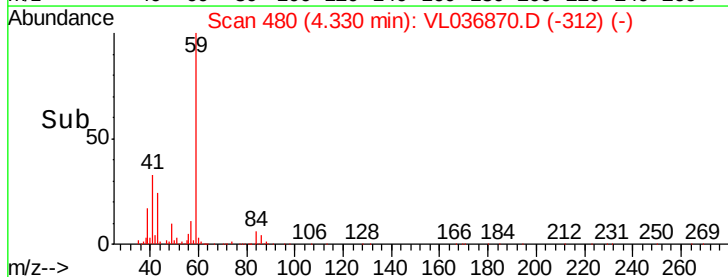
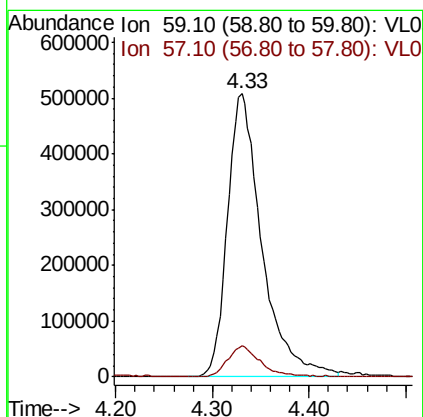
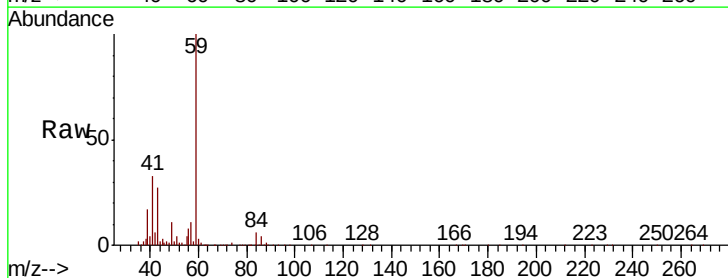
#16
 1,3-Butadiene
 Concen: 1.762 ppbv
 RT: 3.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Apr 2021 23:11

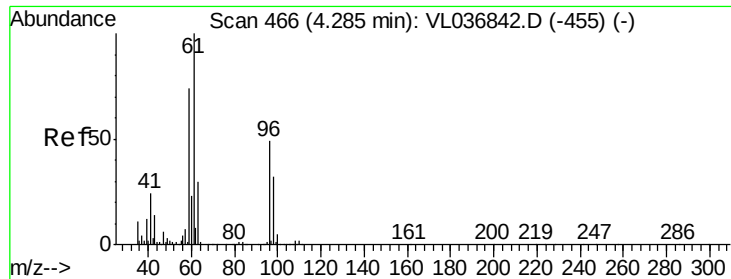
Tot Ion: 39 Resp: 169013
 Ion Ratio Lower Upper
 39 100
 54 4.8 59.6 89.4#



#17
 tert-Butyl alcohol
 Concen: 10.297 ppbv
 RT: 4.33 min Scan# 480
 Delta R.T. 0.04 min
 Lab File: VL036870.D
 Acq: 27 Apr 2021 23:11

Tgt Ion: 59 Resp: 1253742
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.3 12.5





#18

1,1-Dichloroethene

Concen: 0.079 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 23:11

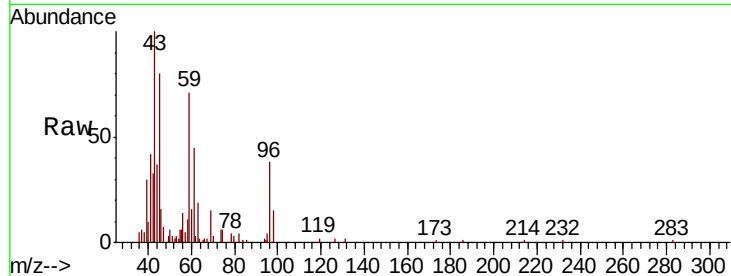
Tot Ion: 96 Resp: 5118

Ion Ratio Lower Upper

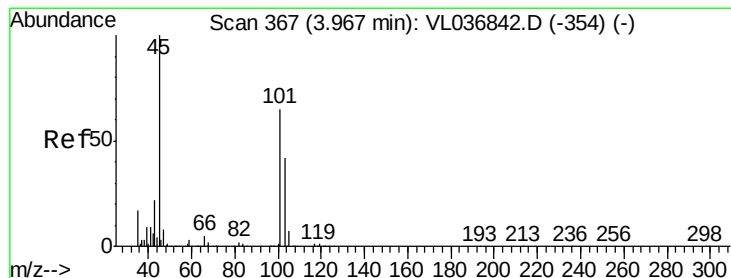
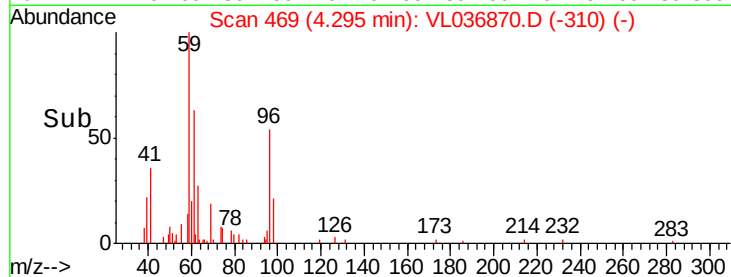
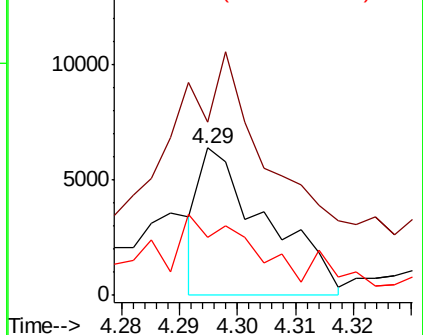
96 100

61 71.0 162.2 243.2#

98 28.2 51.8 77.6#



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



#19

Isopropyl Alcohol

Concen: 203.932 ppbv

RT: 4.01 min Scan# 379

Delta R.T. 0.04 min

Lab File: VL036870.D

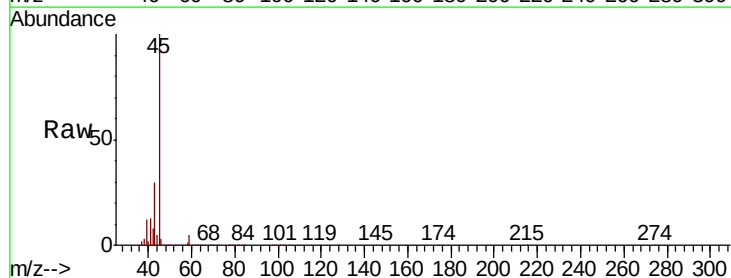
Acq: 27 Apr 2021 23:11

Tgt Ion: 45 Resp:15157697

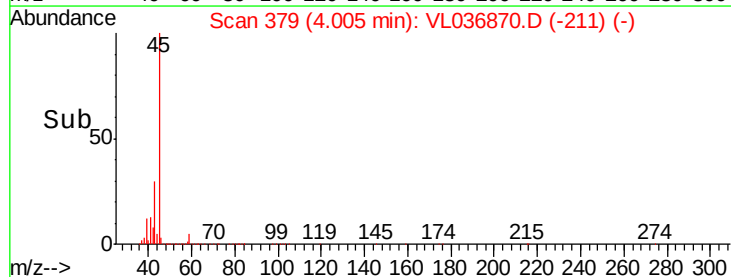
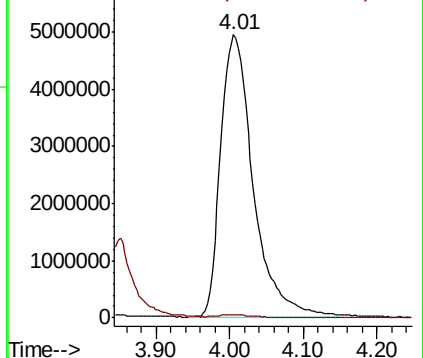
Ion Ratio Lower Upper

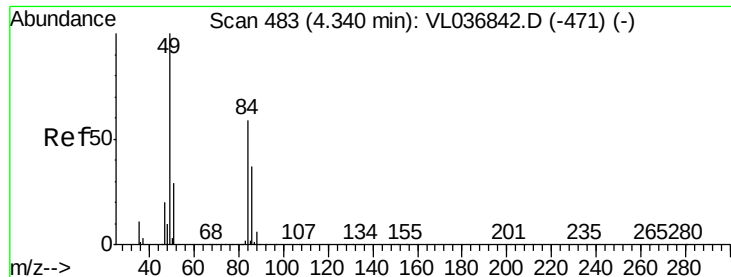
45 100

58 1.3 2.8 4.2#



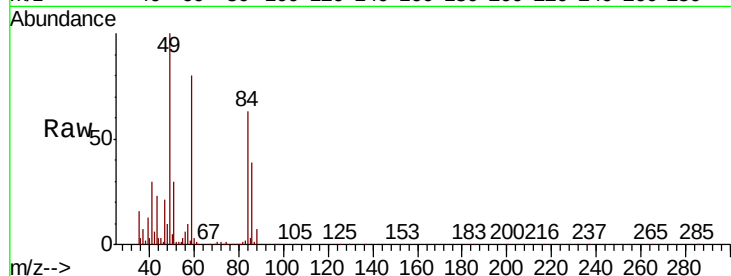
Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 58.10 (57.80 to 58.80): VL0



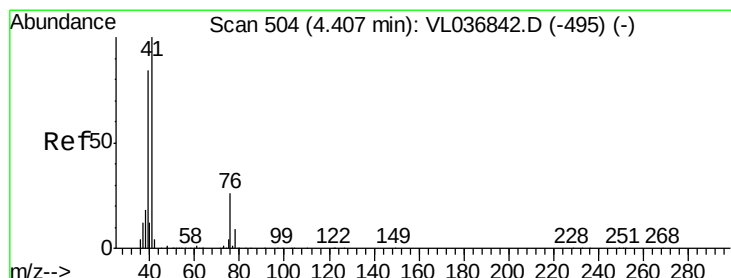
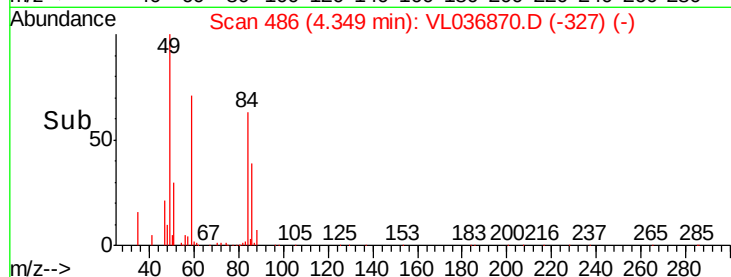
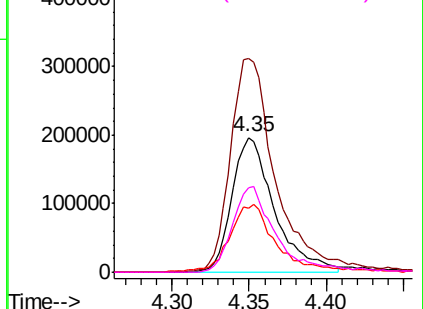


#20
Methylene Chloride
Concen: 5.235 ppbv
RT: 4.35 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 27 Apr 2021 23:11

Tot Ion:	84	Resp:	375524
Ion	Ratio	Lower	Upper
84	100		
49	157.3	135.4	203.0
51	46.3	39.3	58.9
86	62.6	50.2	75.2

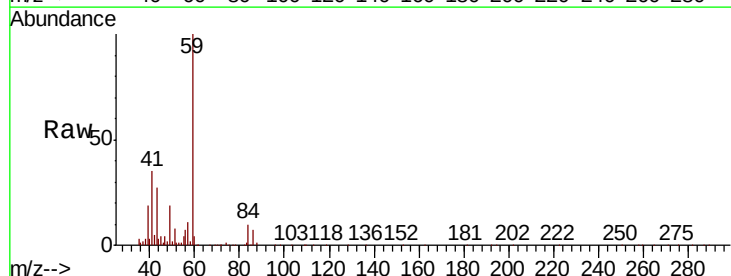


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

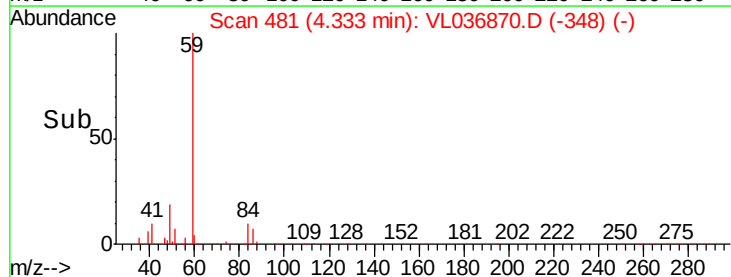
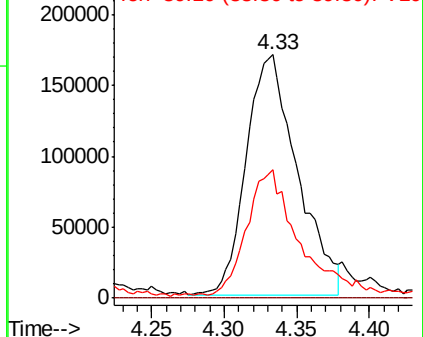


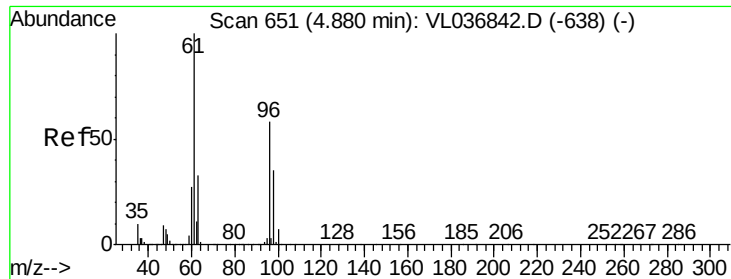
#21
Allyl Chloride
Concen: 3.748 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.07 min
Lab File: VL036870.D
Acq: 27 Apr 2021 23:11

Tgt Ion:	41	Resp:	417753
Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.4	33.6#
39	56.2	68.4	102.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0





#22

trans-1,2-Dichloroethene

Concen: 0.051 ppbv

RT: 4.89 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 23:11

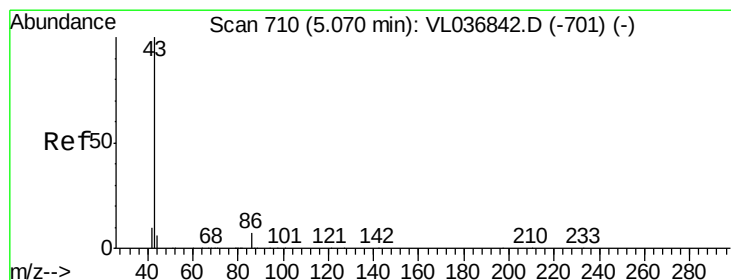
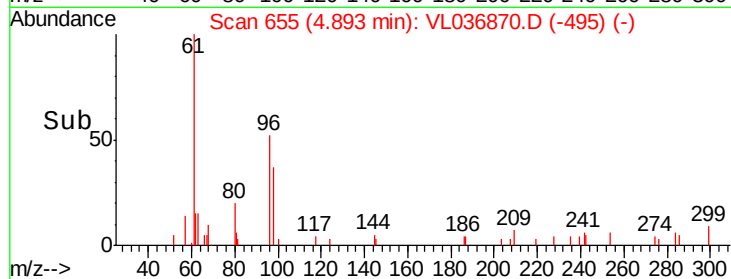
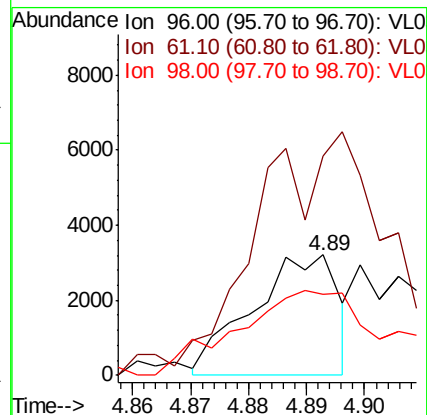
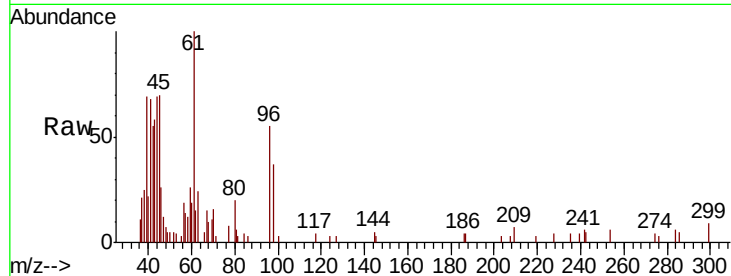
Tot Ion: 96 Resp: 3300

Ion Ratio Lower Upper

96 100

61 162.0 138.6 207.8

98 39.9 48.1 72.1#



#23

Vinyl Acetate

Concen: 3.463 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VL036870.D

Acq: 27 Apr 2021 23:11

Tgt Ion: 43 Resp: 706740

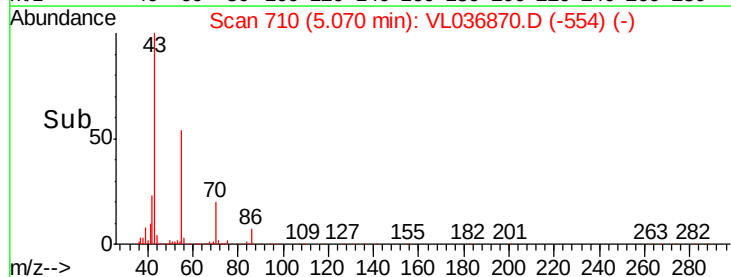
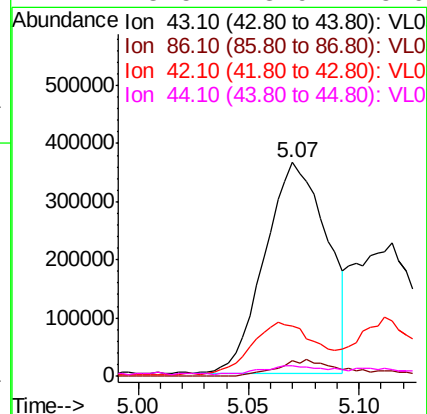
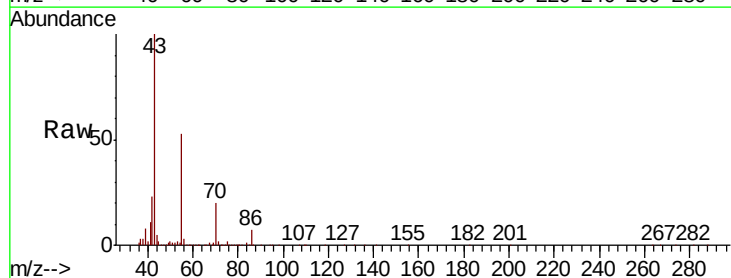
Ion Ratio Lower Upper

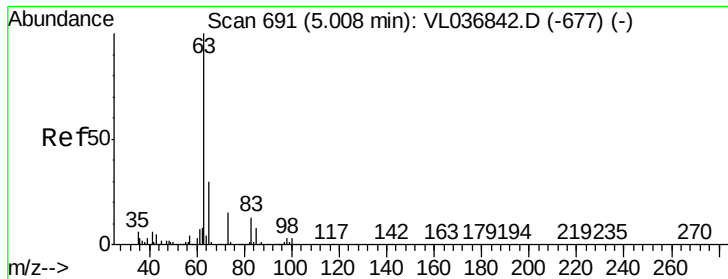
43 100

86 7.4 5.3 7.9

42 22.4 8.7 13.1#

44 3.5 3.9 5.9#





#24

1,1-Dichloroethane

Concen: 0.040 ppbv

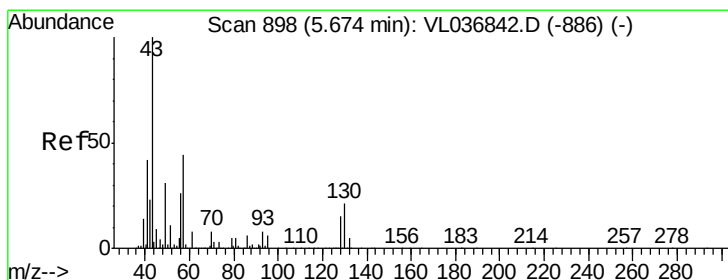
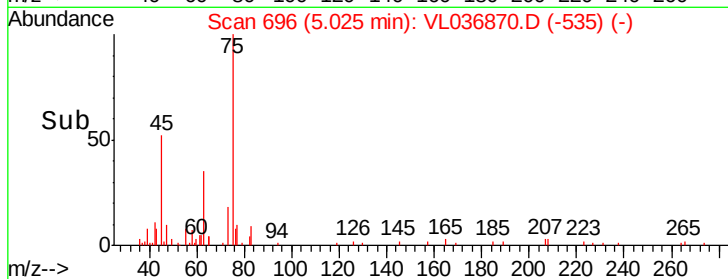
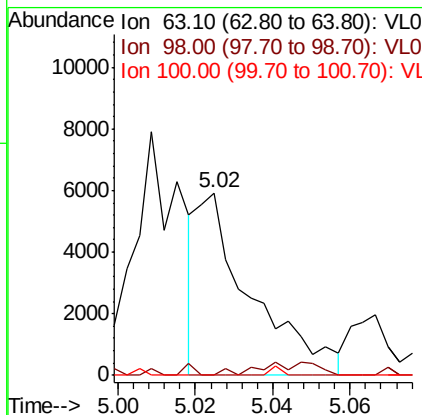
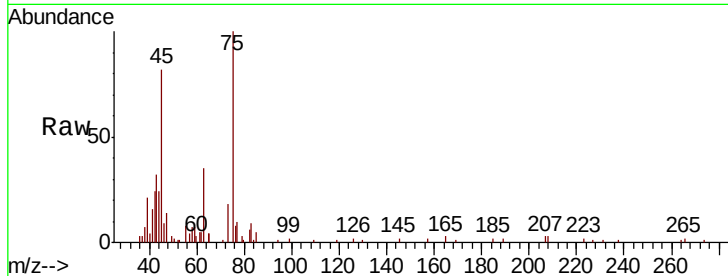
RT: 5.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 23:11

Tot Ion:	63	Resp:	5731
Ion	Ratio	Lower	Upper
63	100		
98	0.0	1.7	5.1#
100	0.0	1.3	3.8#



#25

Ethyl Acetate

Concen: 1.919 ppbv

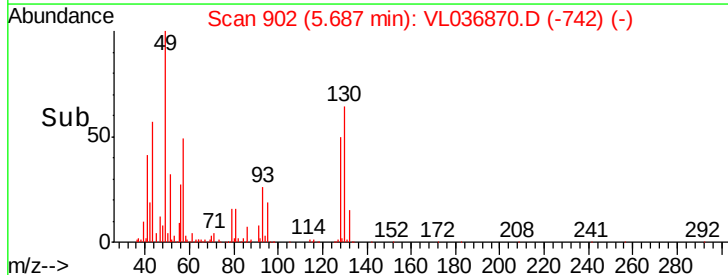
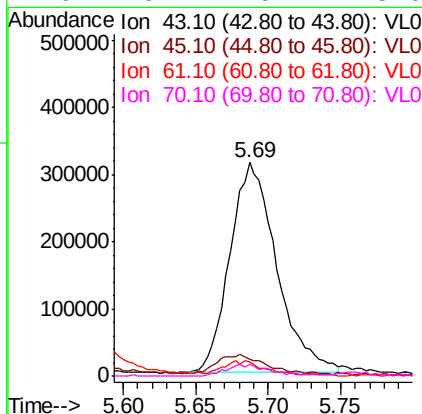
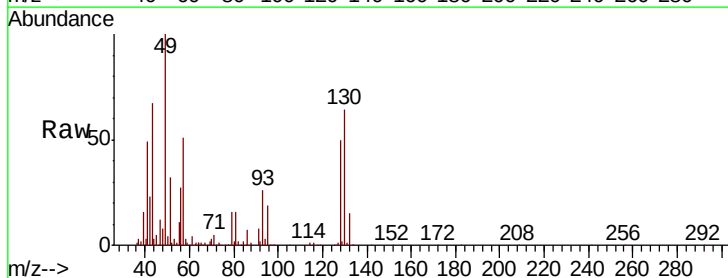
RT: 5.69 min Scan# 902

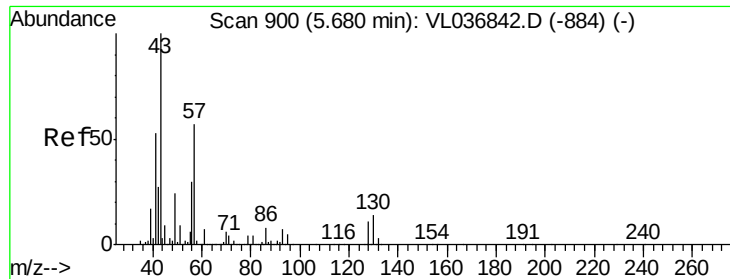
Delta R.T. 0.01 min

Lab File: VL036870.D

Acq: 27 Apr 2021 23:11

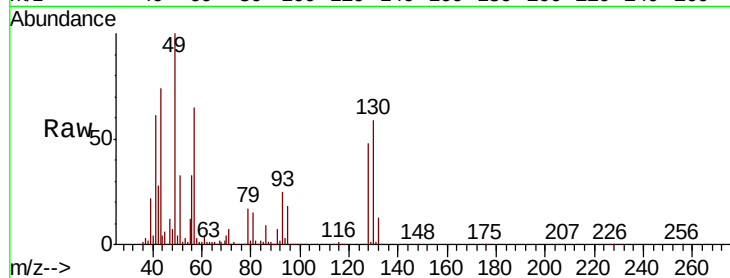
Tgt Ion:	43	Resp:	703100
Ion	Ratio	Lower	Upper
43	100		
45	10.2	7.8	11.8
61	7.2	7.4	11.0#
70	5.2	5.4	8.0#





#26
Hexane
Concen: 2.950 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 27 Apr 2021 23:11

Tot Ion	57	Resp	505742
Ion	Ratio	Lower	Upper
57	100		
41	102.5	77.7	116.5
43	146.8	180.5	270.7#
56	57.5	44.6	66.8



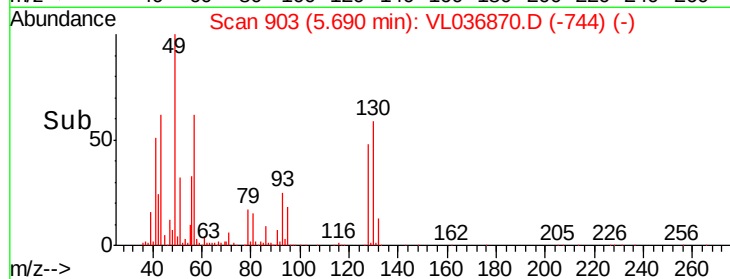
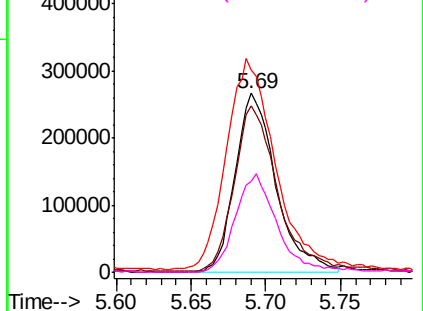
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

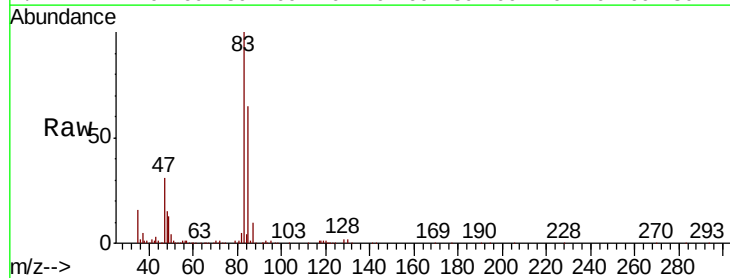
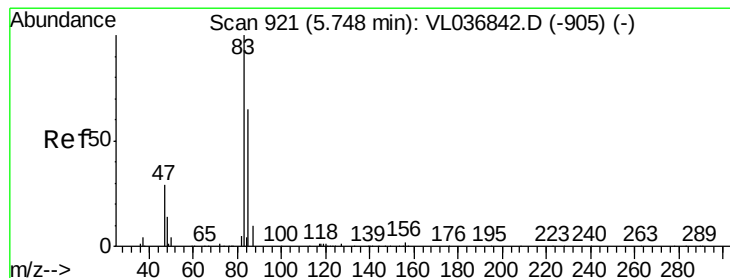
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#29
Chloroform
Concen: 3.462 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.01 min
Lab File: VL036870.D
Acq: 27 Apr 2021 23:11

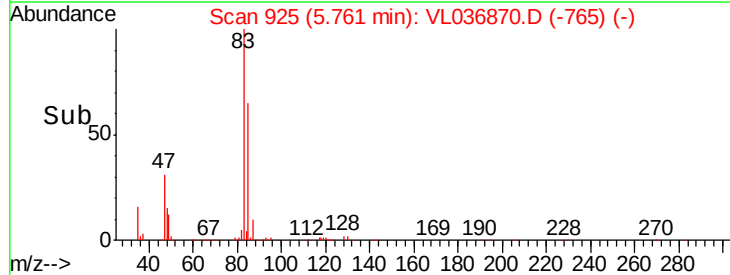
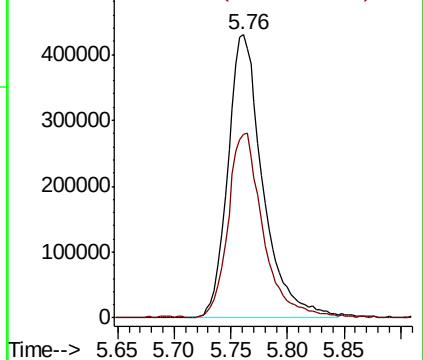
Tgt Ion	83	Resp	925208
Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.4

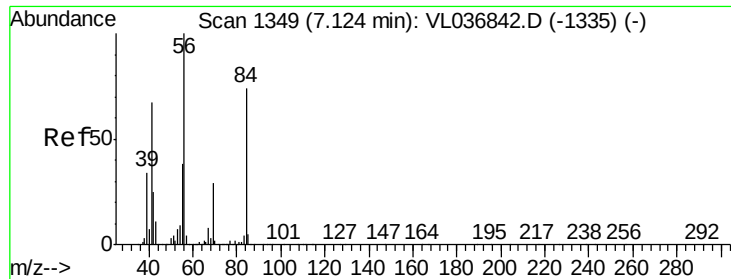


Abundance

Ion 83.00 (82.70 to 83.70): VL0

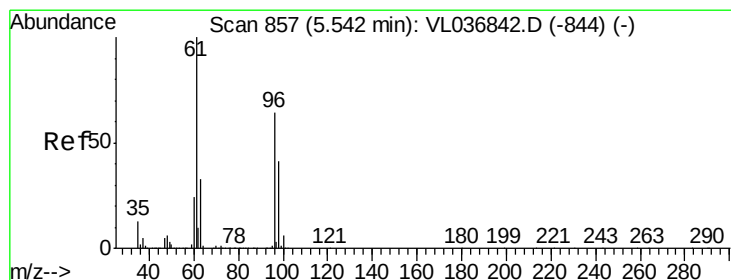
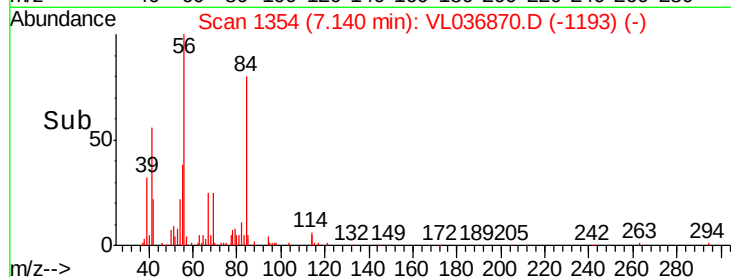
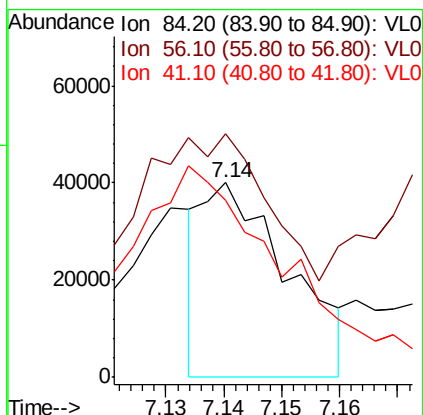
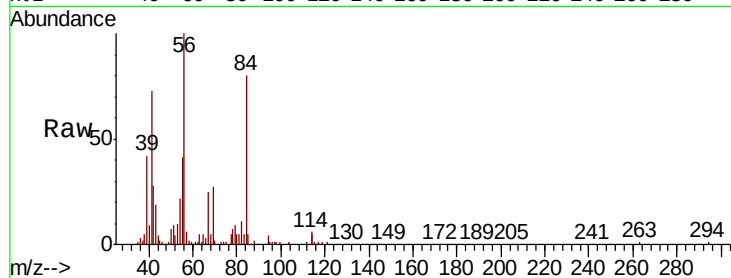
Ion 85.00 (84.70 to 85.70): VL0





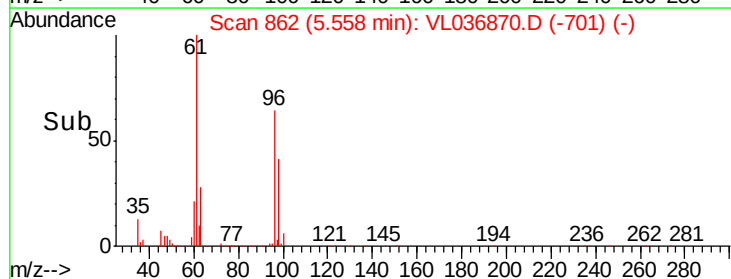
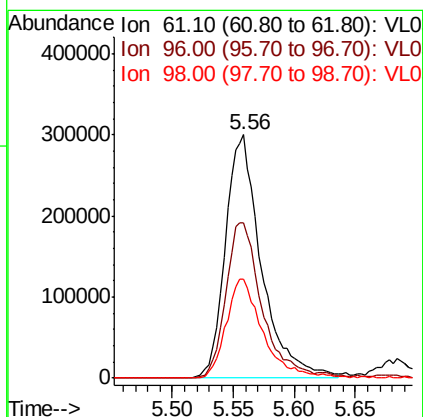
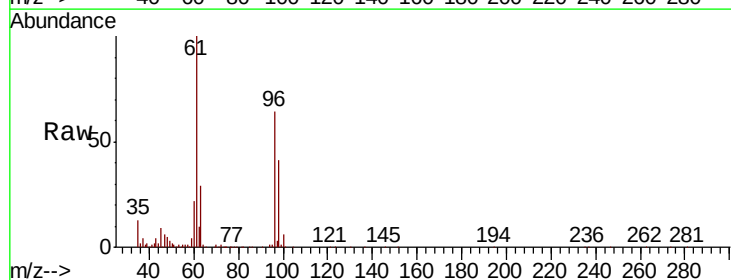
#30
Cvclohexane
Concen: 0.301 ppbv
RT: 7.14
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Apr 2021 23:11

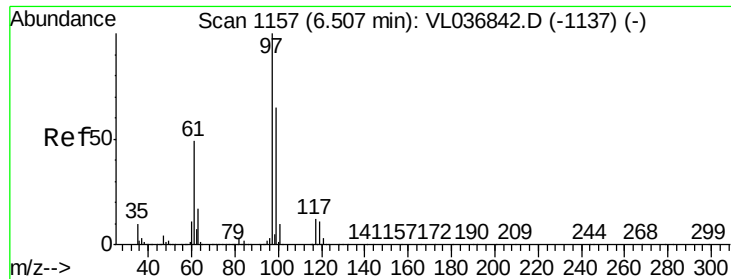
Tot Ion	Ratio	Lower	Upper
84	100		
56	277.6	115.8	173.6#
41	0.0	74.6	111.8#



#31
cis-1,2-Dichloroethene
Concen: 4.016 ppbv
RT: 5.56 min Scan# 862
Delta R.T. 0.02 min
Lab File: VL036870.D
Acq: 27 Apr 2021 23:11

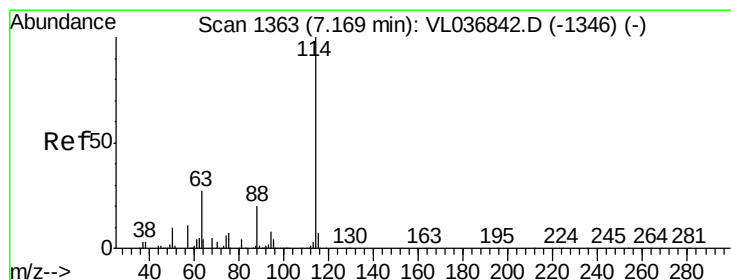
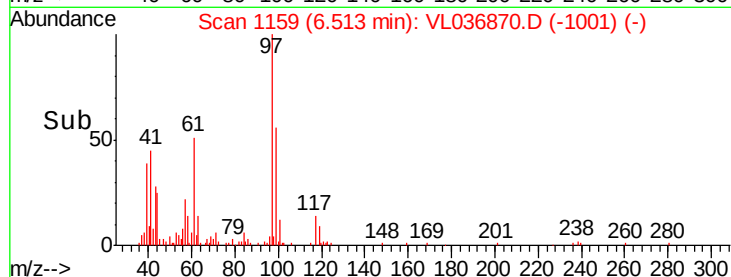
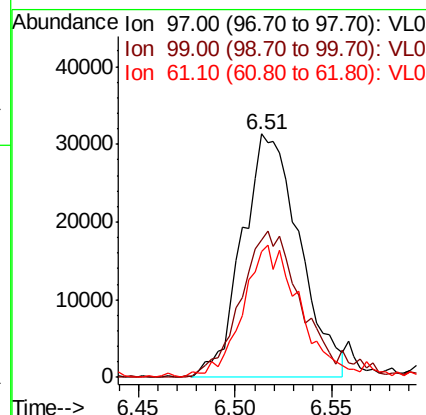
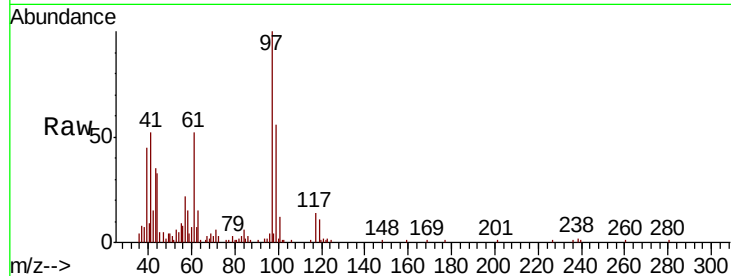
Tgt Ion	Ratio	Lower	Upper
61	100		
96	63.9	51.0	76.6
98	40.6	32.7	49.1





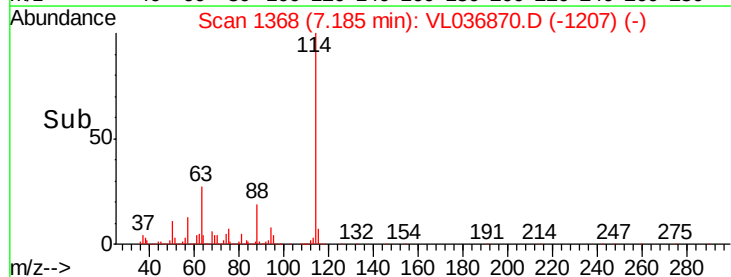
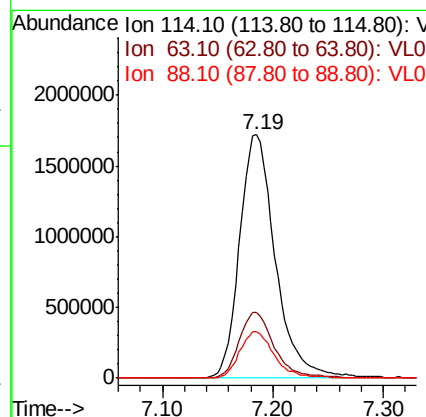
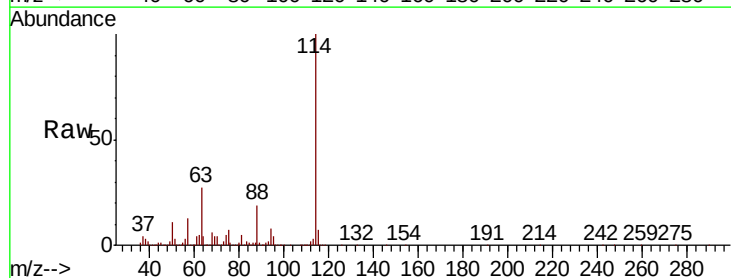
#32
 1,1,1-Trichloroethane
 Concen: 0.238 ppbv
 RT: 6.51 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 27 Apr 2021 23:11

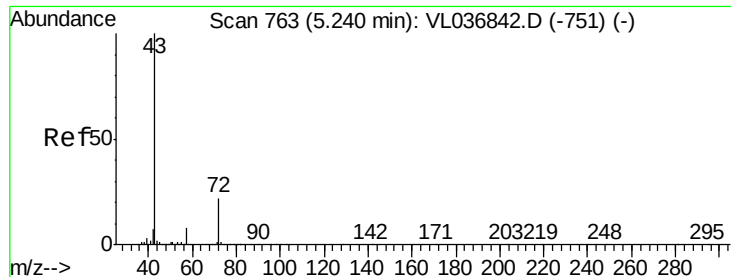
Tot Ion	97	Resp	64589
Ion Ratio	Lower	Upper	
97	100		
99	66.6	51.8	77.6
61	57.6	40.8	61.2



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T.: 0.02 min
 Lab File: VL036870.D
 Acq: 27 Apr 2021 23:11

Tgt Ion	114	Resp	3851108
Ion Ratio	Lower	Upper	
114	100		
63	27.1	21.9	32.9
88	18.8	15.1	22.7





#34

2-Butanone

Concen: 10.124 ppbv

RT: 5.25 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

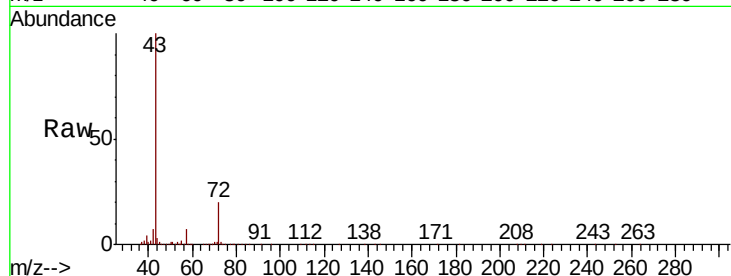
Acq: 27 Apr 2021 23:11

Tot Ion: 43 Resp: 1707961

Ion Ratio Lower Upper

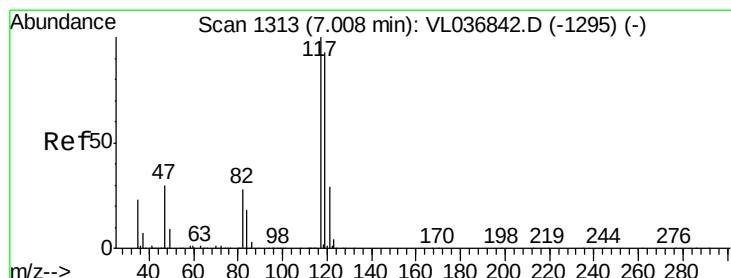
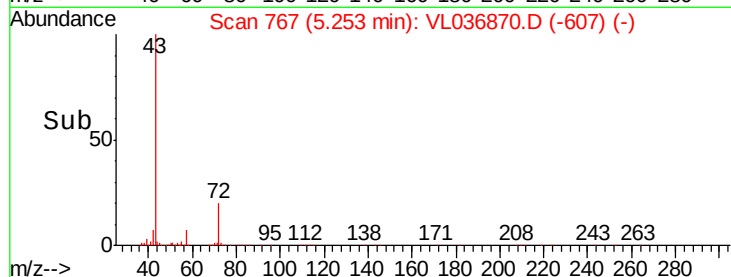
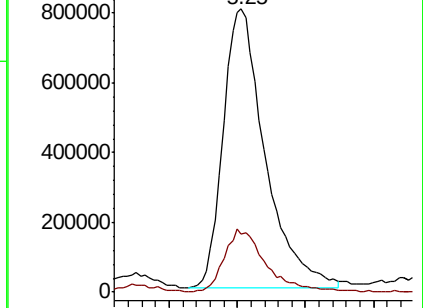
43 100

72 22.5 17.6 26.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#35

Carbon Tetrachloride

Concen: 1.265 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.02 min

Lab File: VL036870.D

Acq: 27 Apr 2021 23:11

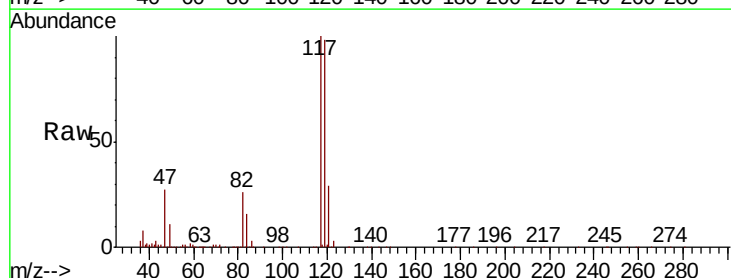
Tgt Ion: 117 Resp: 330555

Ion Ratio Lower Upper

117 100

119 97.5 74.6 111.8

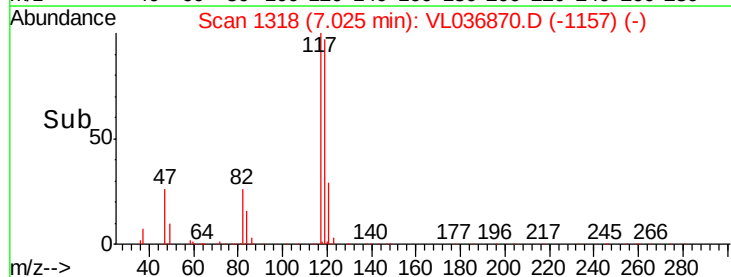
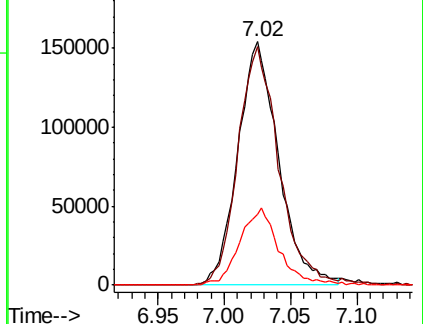
121 29.3 23.3 34.9

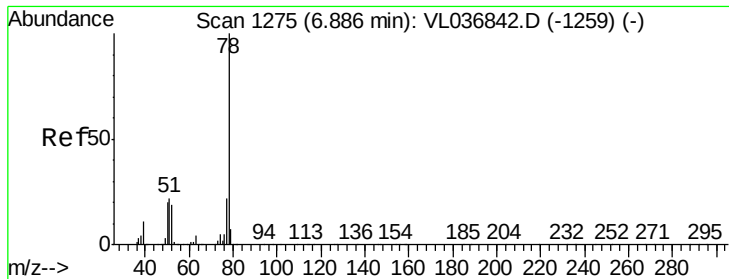


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

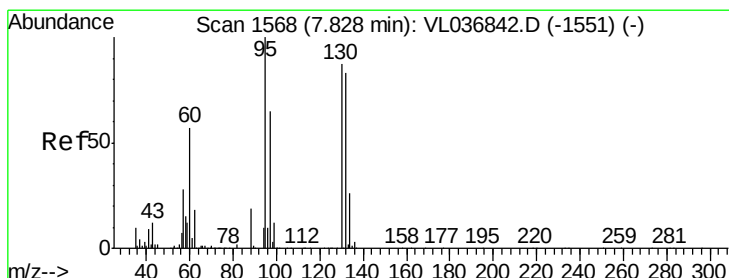
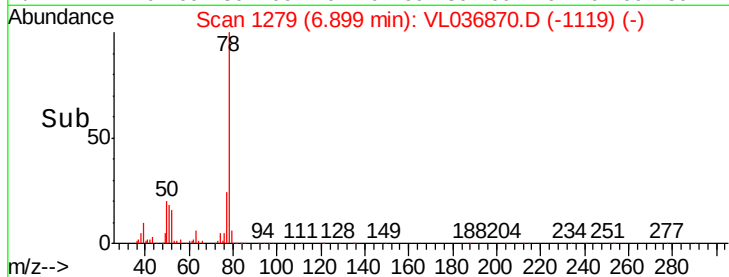
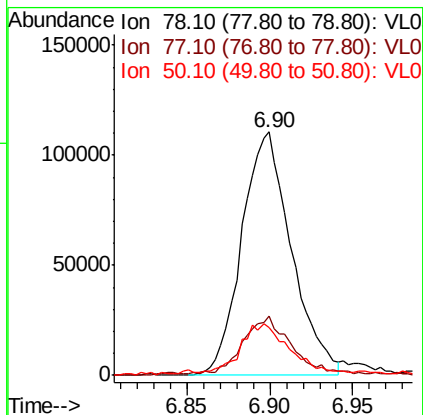
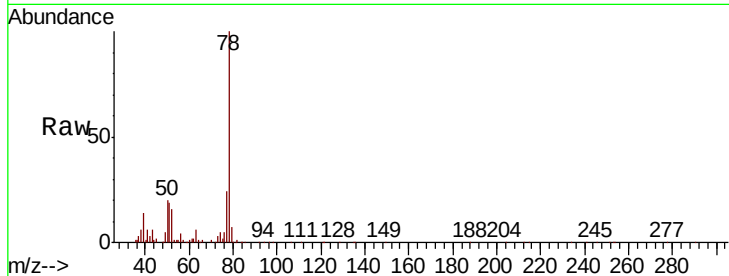
Ion 121.00 (120.70 to 121.70): V





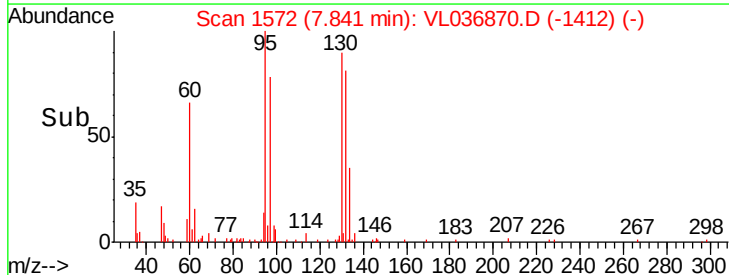
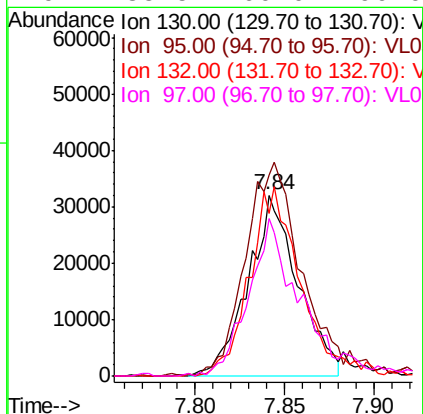
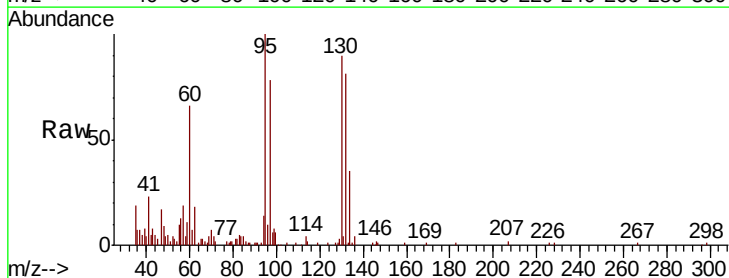
#36
Benzene
Concen: 0.709 ppbv
RT: 6.90
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 27 Apr 2021 23:11

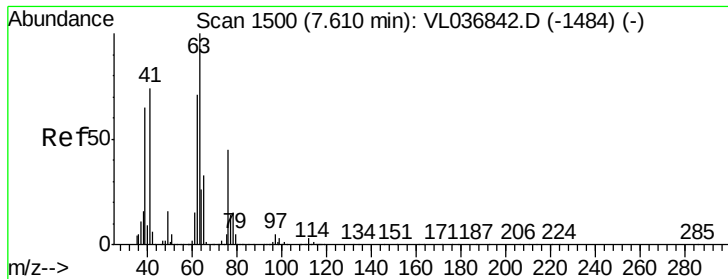
Tot Ion:	78	Resp:	230204
Ion	Ratio	Lower	Upper
78	100		
77	23.5	17.6	26.4
50	17.8	16.3	24.5



#38
Trichloroethene
Concen: 0.544 ppbv
RT: 7.84 min Scan# 1572
Delta R.T.: 0.01 min
Lab File: VL036870.D
Acq: 27 Apr 2021 23:11

Tgt Ion:	130	Resp:	62865
Ion	Ratio	Lower	Upper
130	100		
95	109.9	92.3	138.5
132	88.5	76.8	115.2
97	85.5	60.0	90.0





#39

1,2-Dichloropropane

Concen: 7.771 ppbv

RT: 7.19 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 23:11

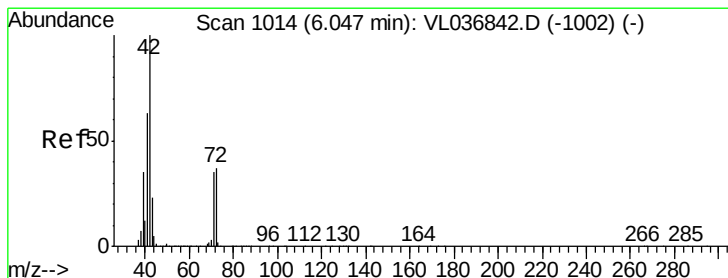
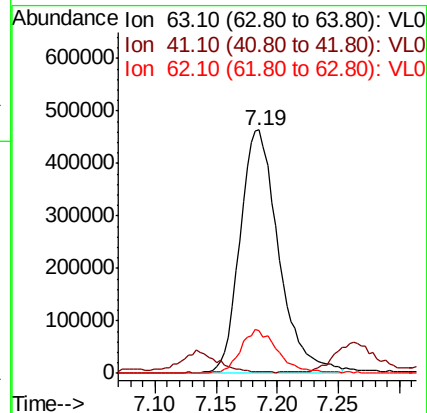
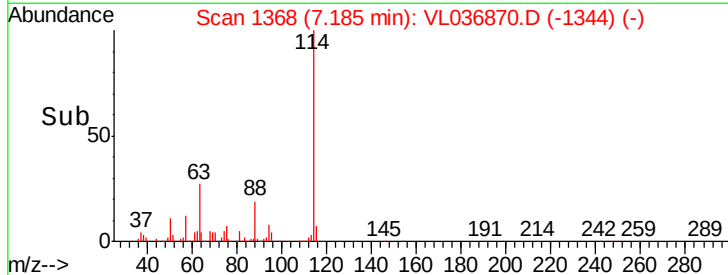
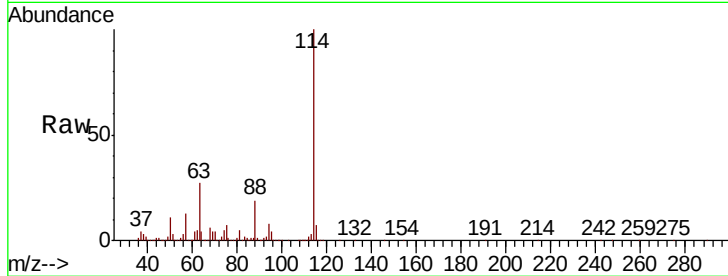
Tot Ion: 63 Resp: 1010248

Ion Ratio Lower Upper

63 100

41 0.0 59.1 88.7#

62 17.7 56.9 85.3#



#41

Tetrahydrofuran

Concen: 0.055 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.02 min

Lab File: VL036870.D

Acq: 27 Apr 2021 23:11

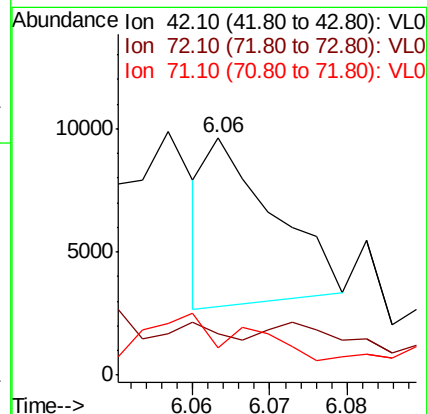
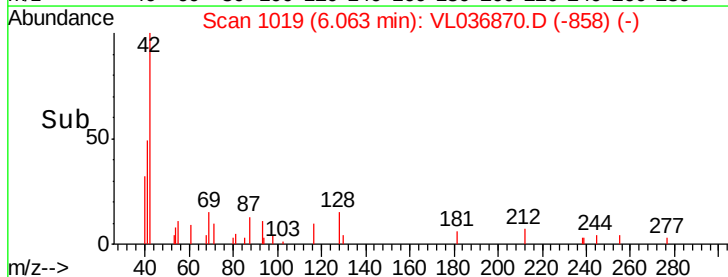
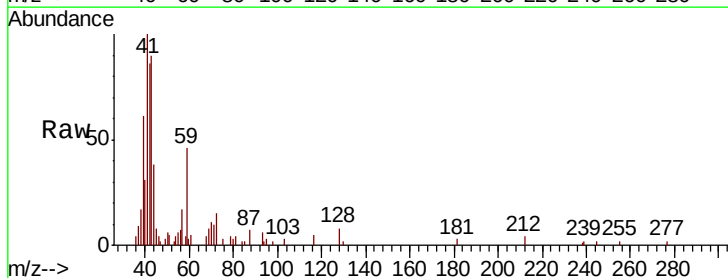
Tgt Ion: 42 Resp: 4072

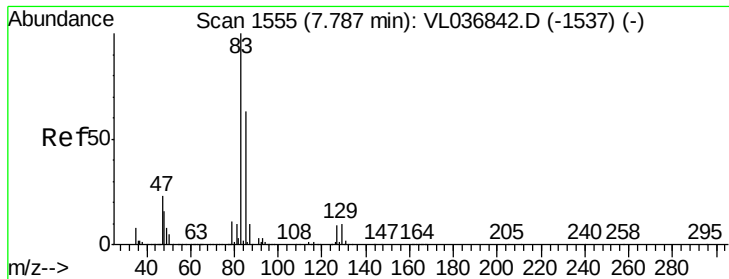
Ion Ratio Lower Upper

42 100

72 0.0 29.7 44.5#

71 97.2 29.0 43.6#





#42

Bromodichloromethane

Concen: 0.040 ppbv

RT: 7.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 23:11

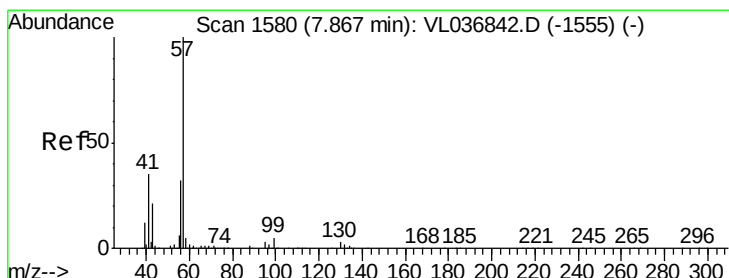
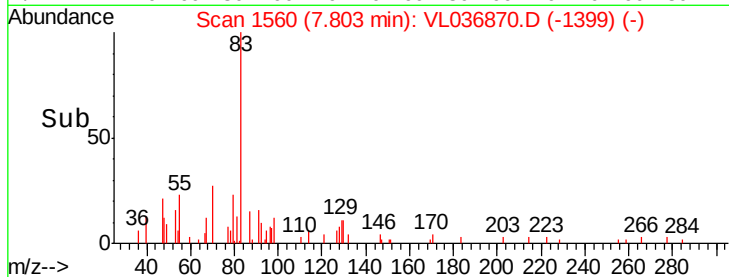
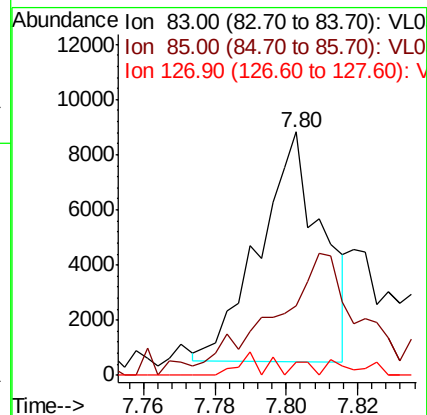
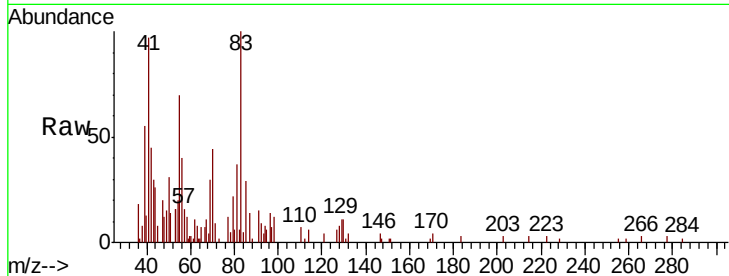
Tot Ion: 83 Resp: 10098

Ion Ratio Lower Upper

83 100

85 29.1 50.4 75.6#

127 6.7 6.9 10.3#



#44

2,2,4-Trimethylpentane

Concen: 0.425 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. 0.01 min

Lab File: VL036870.D

Acq: 27 Apr 2021 23:11

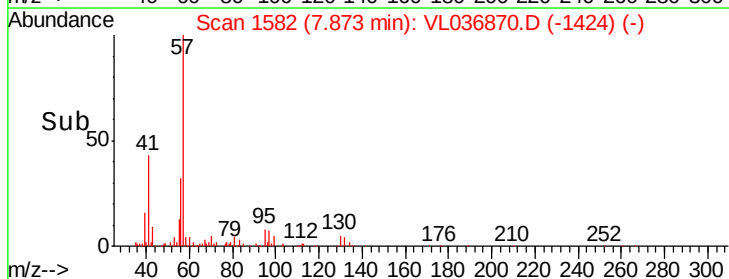
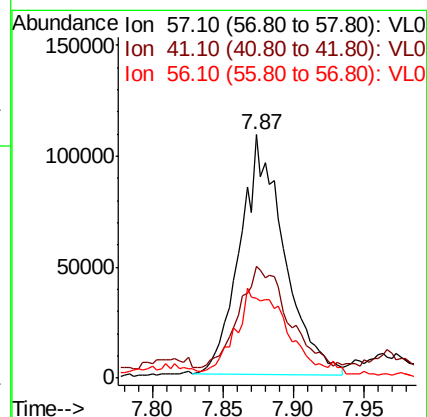
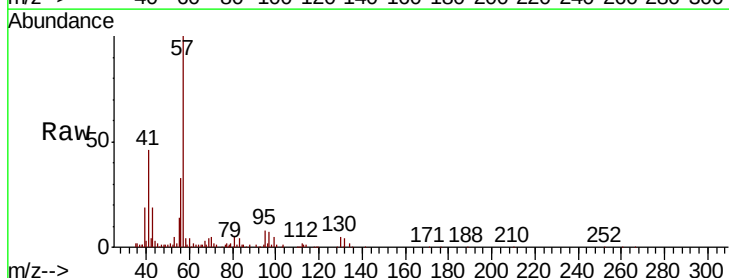
Tgt Ion: 57 Resp: 236535

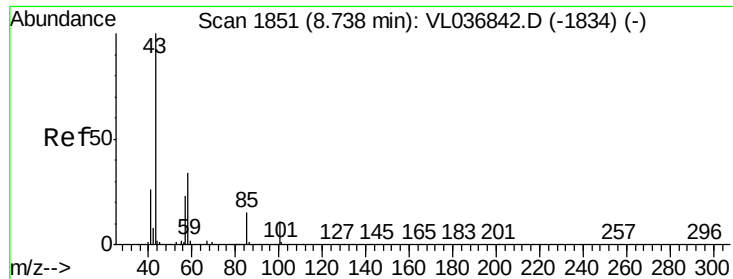
Ion Ratio Lower Upper

57 100

41 52.3 28.2 42.4#

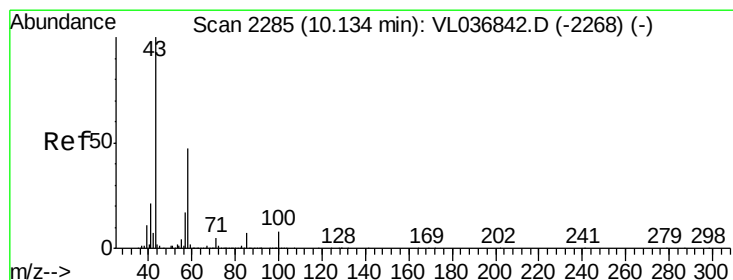
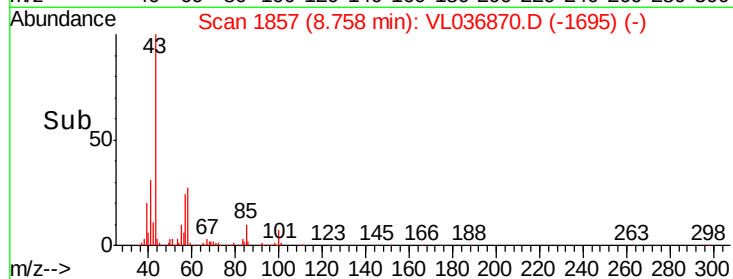
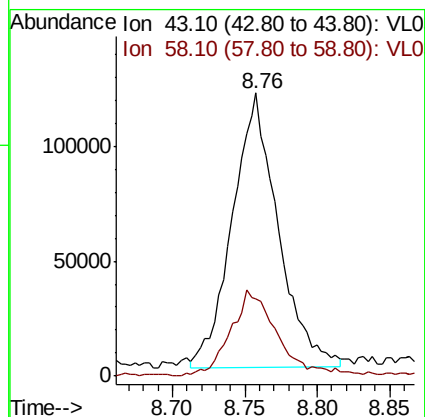
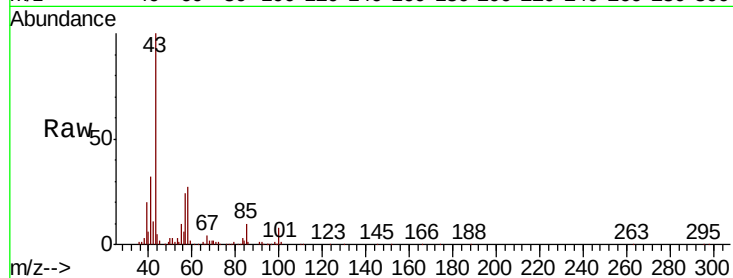
56 48.9 25.9 38.9#





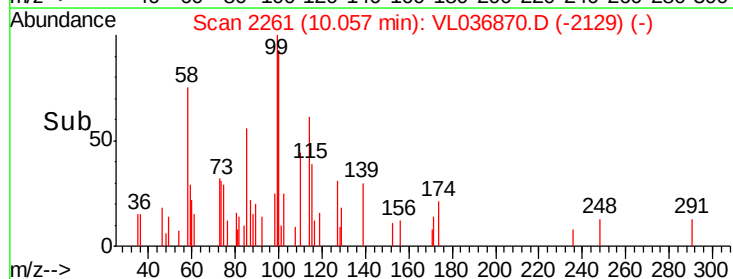
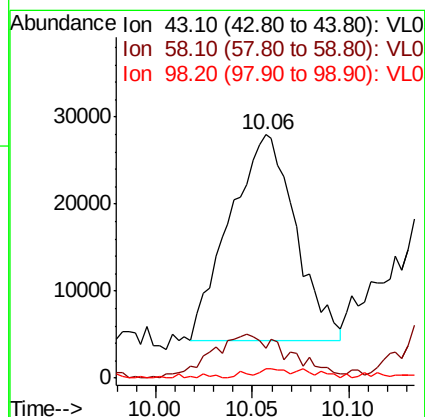
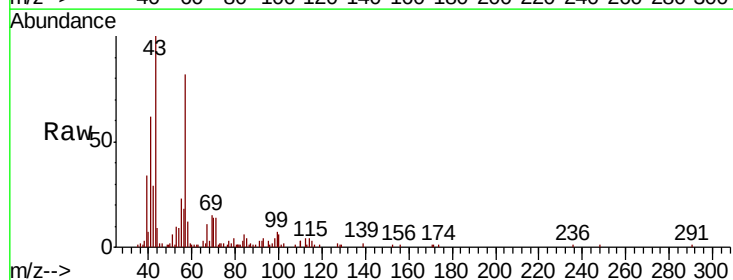
#50
 4-Methyl-2-Pentanone
 Concen: 1.139 ppbv
 RT: 8.76 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Apr 2021 23:11

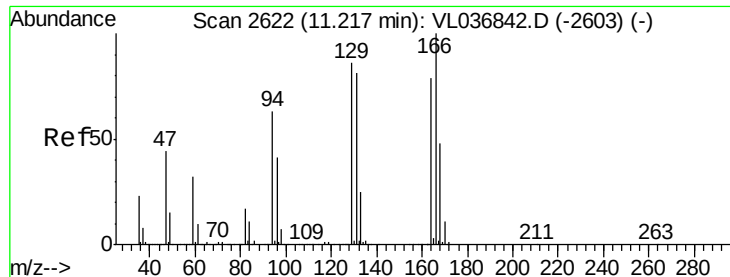
Tot Ion: 43 Resp: 262578
 Ion Ratio Lower Upper
 43 100
 58 32.7 27.8 41.8



#51
 2-Hexanone
 Concen: 0.487 ppbv
 RT: 10.06 min Scan# 2261
 Delta R.T. -0.08 min
 Lab File: VL036870.D
 Acq: 27 Apr 2021 23:11

Tgt Ion: 43 Resp: 55979
 Ion Ratio Lower Upper
 43 100
 58 26.2 37.0 55.6#
 98 4.4 0.2 0.4#





#52

Tetrachloroethene

Concen: 9.174 ppbv

RT: 11.23

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Apr 2021 23:11

Tot Ion:164 Resp: 1013681

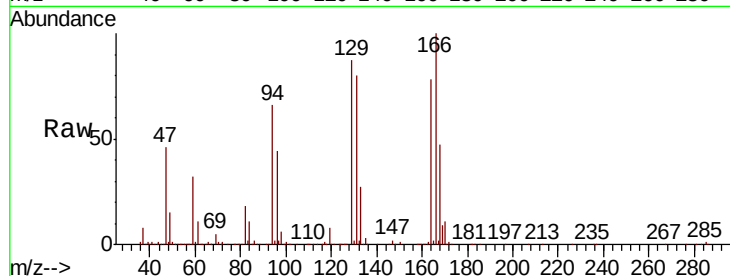
Ion Ratio Lower Upper

164 100

166 127.3 100.9 151.3

129 110.2 87.0 130.4

131 101.9 81.7 122.5

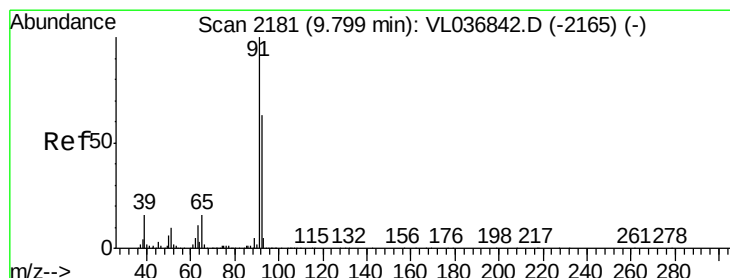
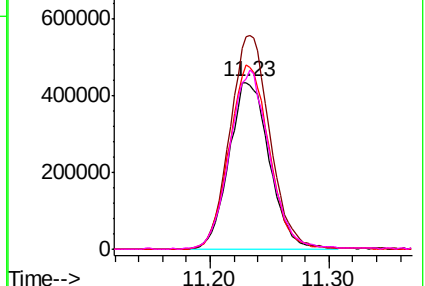
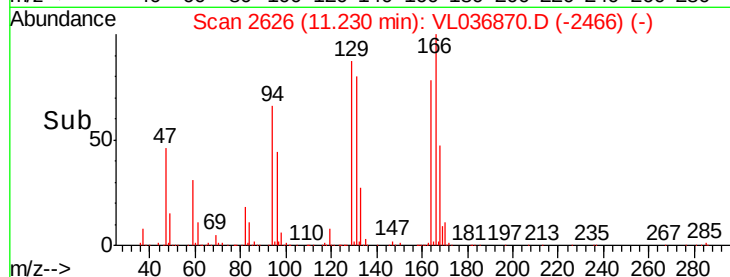


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 2.592 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. 0.01 min

Lab File: VL036870.D

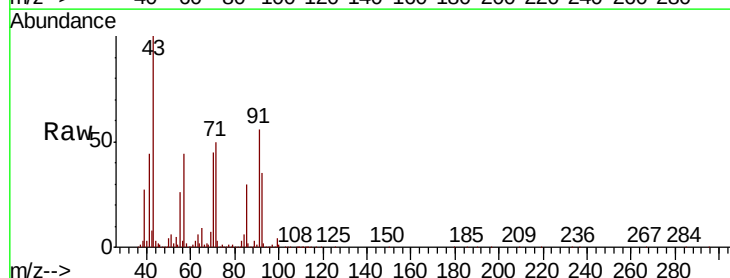
Acq: 27 Apr 2021 23:11

Tgt Ion: 91 Resp: 880075

Ion Ratio Lower Upper

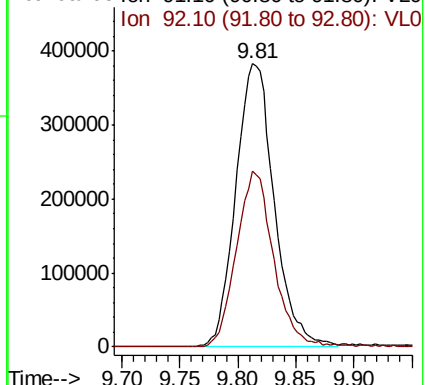
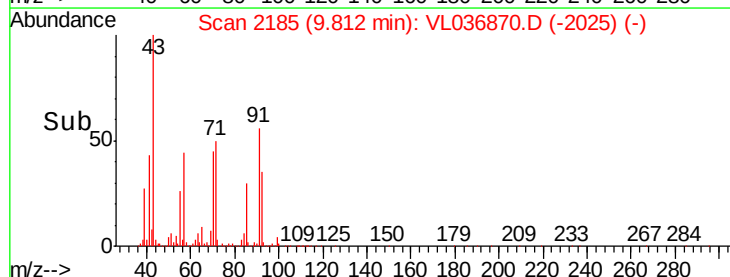
91 100

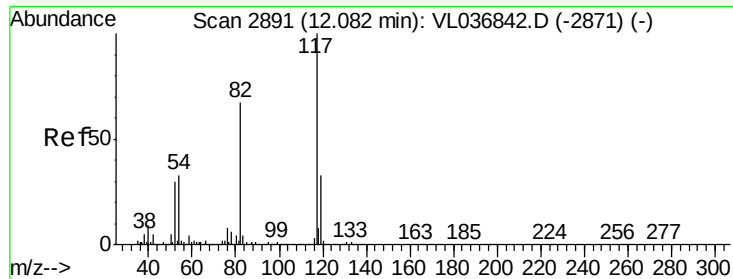
92 60.0 49.0 73.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

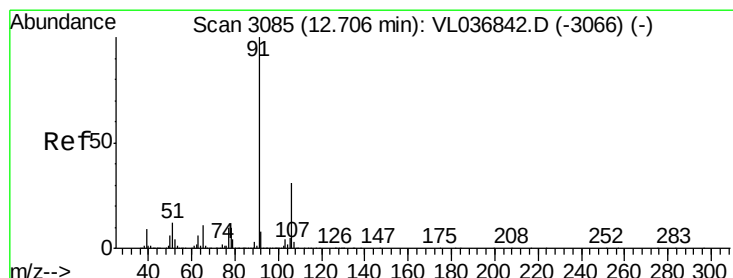
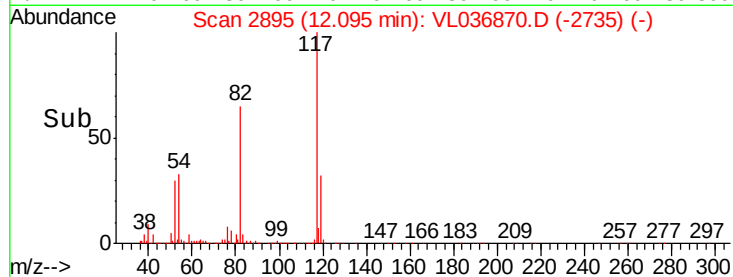
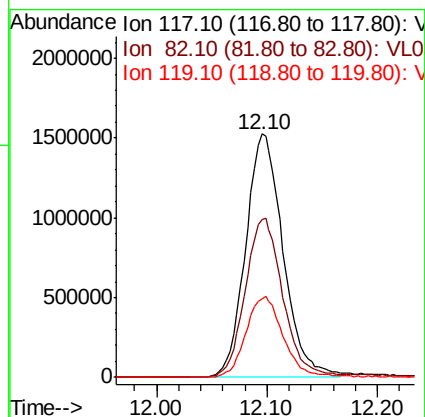
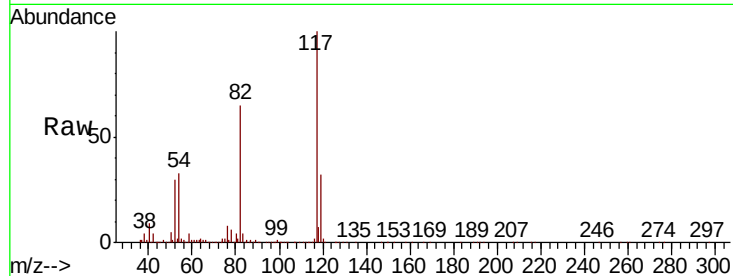
Ion 92.10 (91.80 to 92.80): VL0





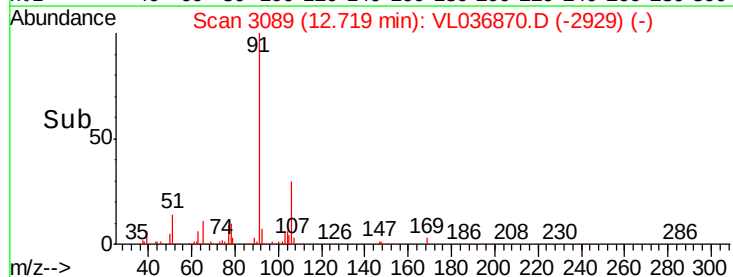
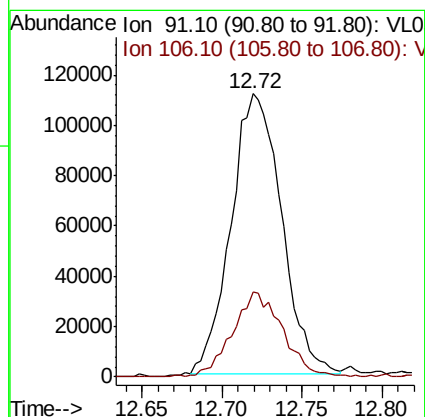
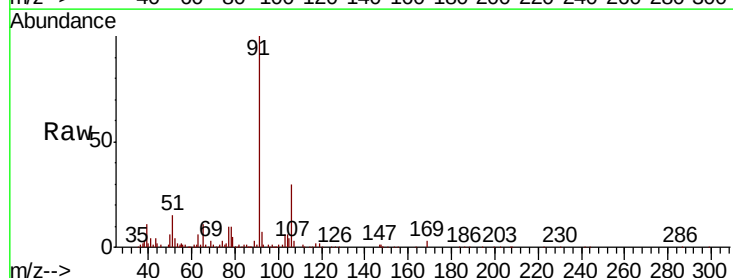
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 27 Apr 2021 23:11

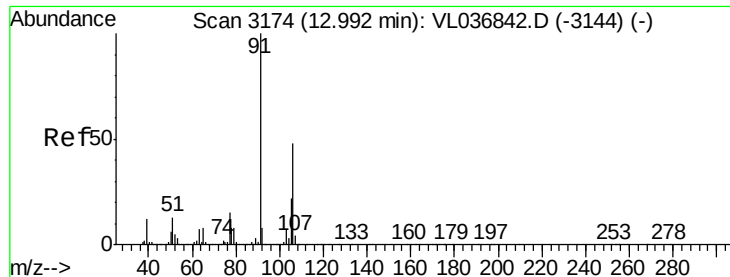
Tot Ion: 117 Resp: 3582360
Ion Ratio Lower Upper
117 100
82 68.5 53.5 80.3
119 33.2 25.6 38.4



#58
Ethyl Benzene
Concen: 0.530 ppbv
RT: 12.72 min Scan# 3089
Delta R.T.: 0.01 min
Lab File: VL036870.D
Acq: 27 Apr 2021 23:11

Tgt Ion: 91 Resp: 240949
Ion Ratio Lower Upper
91 100
106 29.9 25.1 37.7





#59

m/p-Xylene

Concen: 1.853 ppbv

RT: 12.98 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

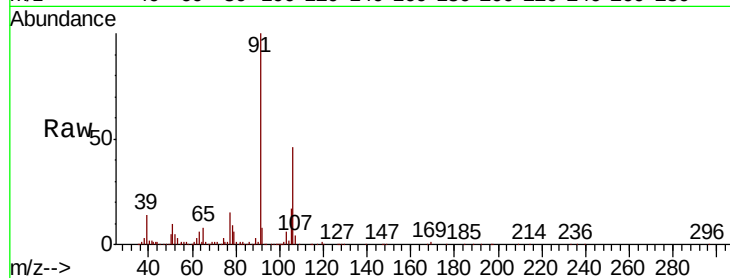
Acq: 27 Apr 2021 23:11

Tot Ion: 91 Resp: 752618

Ion Ratio Lower Upper

91 100

106 47.9 35.8 53.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.98

250000

200000

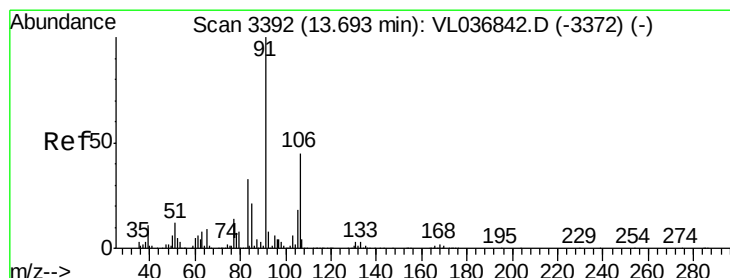
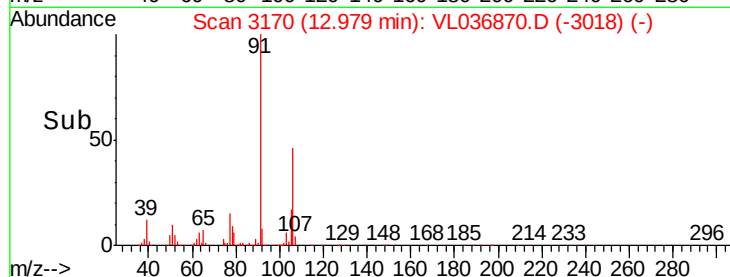
150000

100000

50000

0

Time-->



#60

o-Xylene

Concen: 0.928 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. 0.01 min

Lab File: VL036870.D

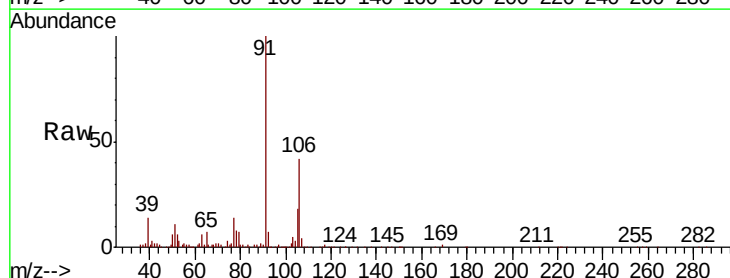
Acq: 27 Apr 2021 23:11

Tgt Ion: 91 Resp: 364281

Ion Ratio Lower Upper

91 100

106 44.7 22.6 67.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.70

200000

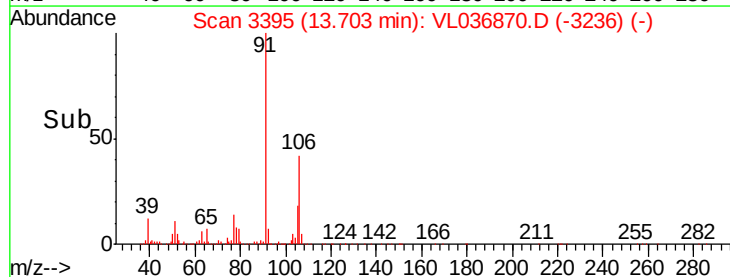
150000

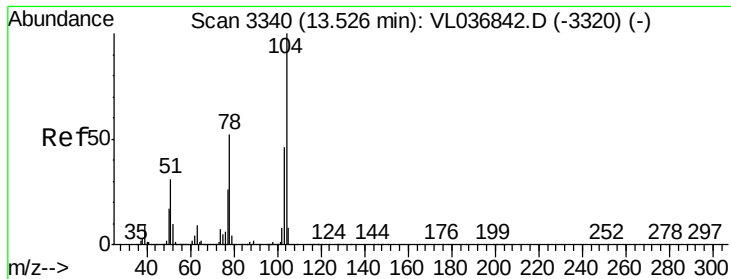
100000

50000

0

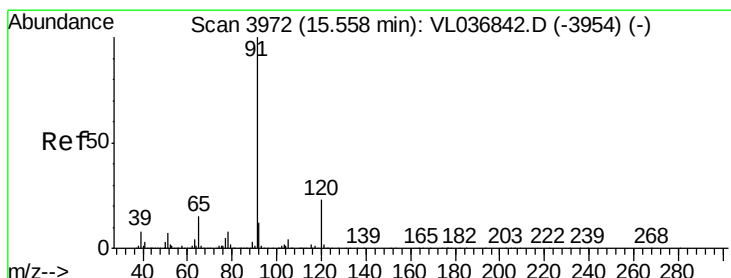
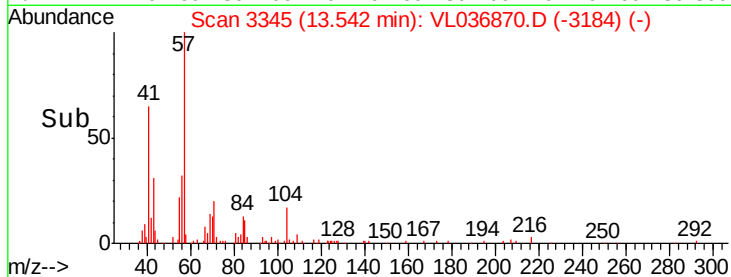
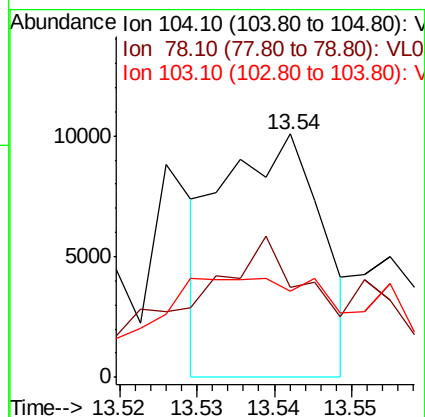
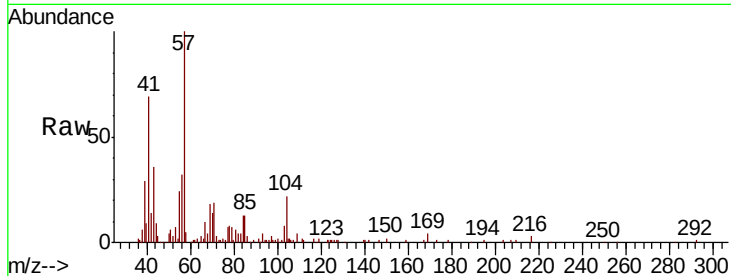
Time-->





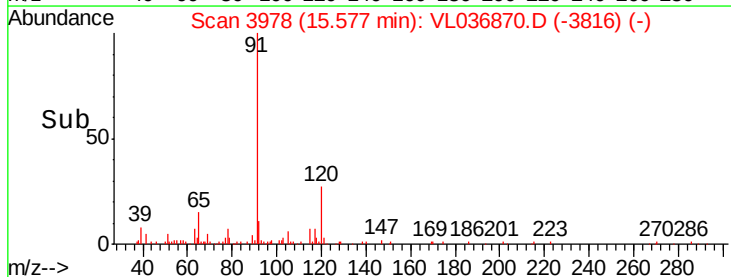
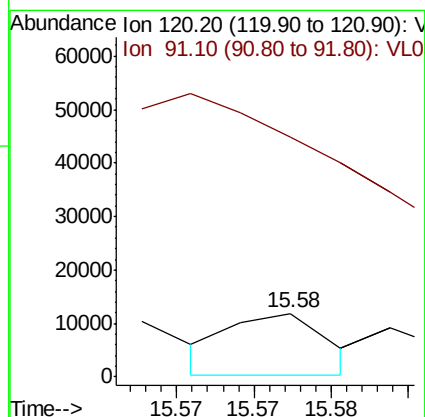
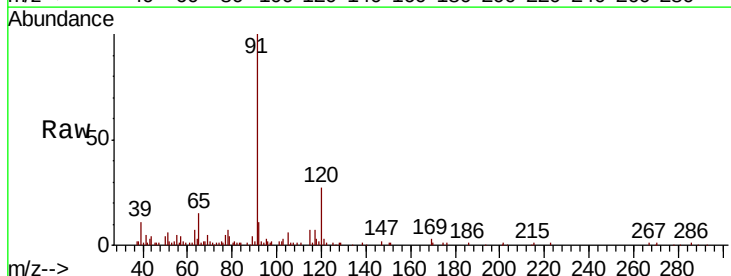
#61
Stvrene
Concen: 0.049 ppbv
RT: 13.54
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 27 Apr 2021 23:11

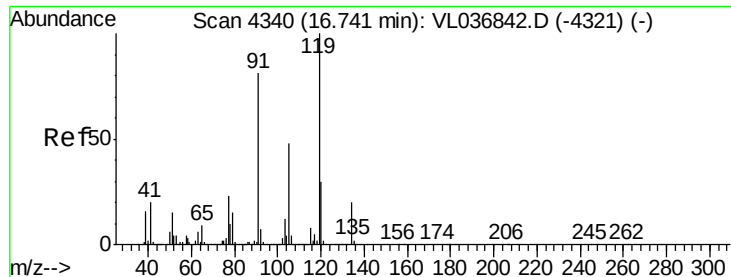
Tot Ion:104 Resp: 8980
Ion Ratio Lower Upper
104 100
78 123.4 42.6 64.0#
103 127.1 38.1 57.1#



#64
n-propylbenzene
Concen: 0.038 ppbv
RT: 15.58 min Scan# 3978
Delta R.T. 0.02 min
Lab File: VL036870.D
Acq: 27 Apr 2021 23:11

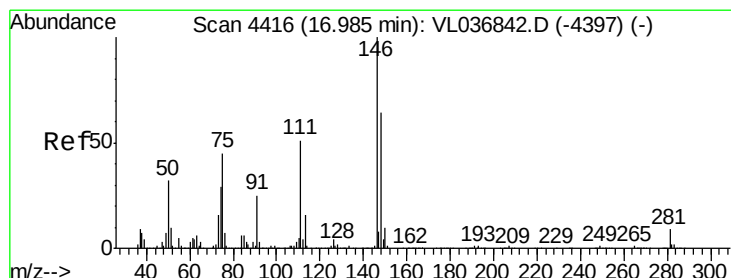
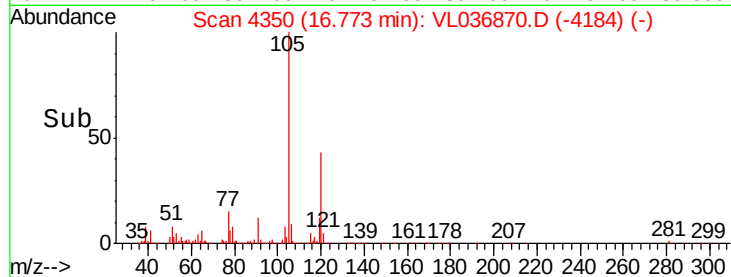
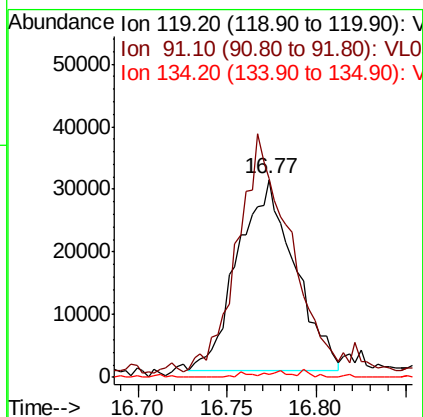
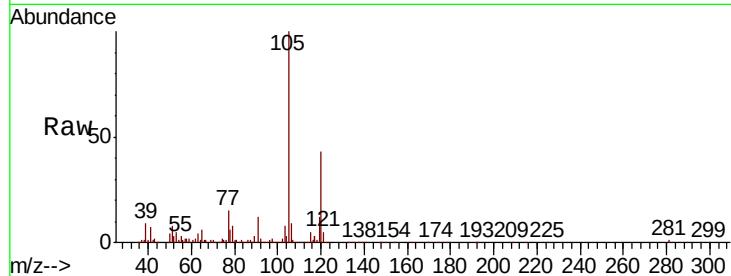
Tgt Ion:120 Resp: 5094
Ion Ratio Lower Upper
120 100
91 0.0 378.6 567.8#





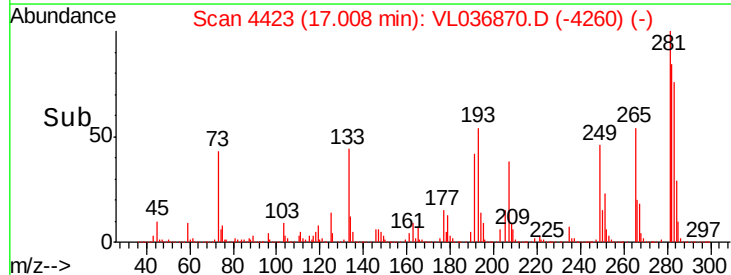
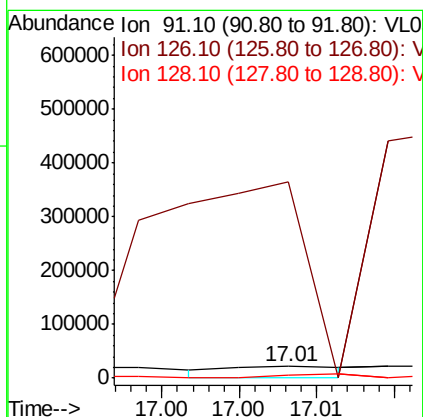
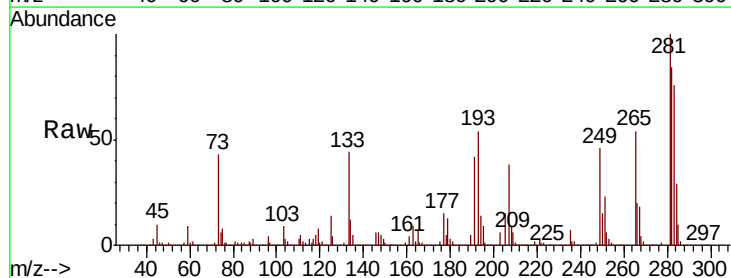
#65
 tert-Butylbenzene
 Concen: 0.144 ppbv
 RT: 16.77 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 27 Apr 2021 23:11

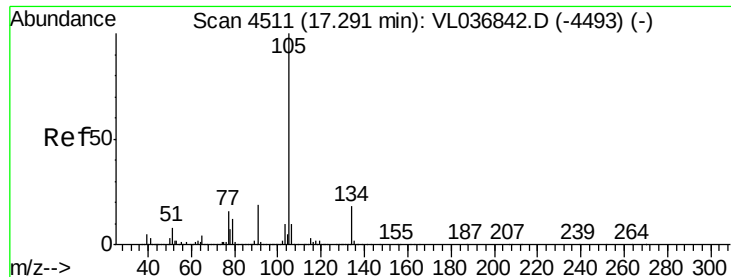
Tot Ion: 119 Resp: 68022
 Ion Ratio Lower Upper
 119 100
 91 122.9 67.0 100.6#
 134 0.0 15.8 23.6#



#66
 Benzyl Chloride
 Concen: 0.241 ppbv
 RT: 17.01 min Scan# 4423
 Delta R.T.: 0.02 min
 Lab File: VL036870.D
 Acq: 27 Apr 2021 23:11

Tgt Ion: 91 Resp: 11151
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.1 21.1#
 128 0.0 4.8 7.2#





#67

sec-Butylbenzene

Concen: 0.428 ppbv

RT: 17.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

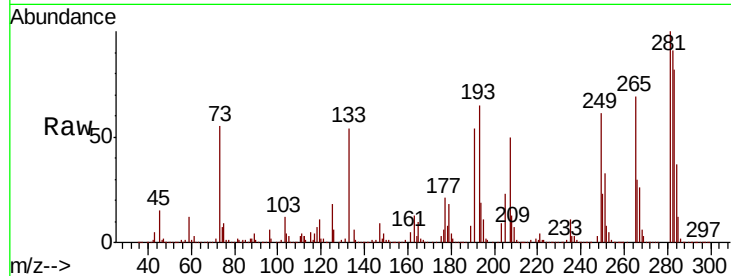
Acq: 27 Apr 2021 23:11

Tot Ion: 105 Resp: 281013

Ion Ratio Lower Upper

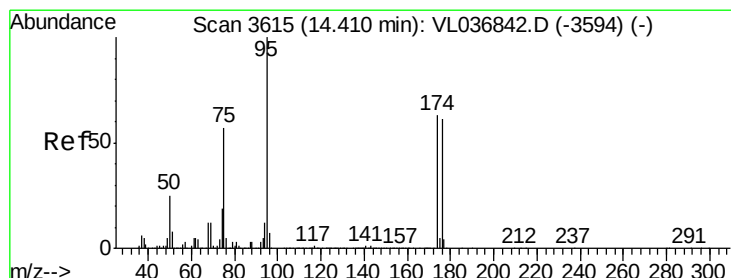
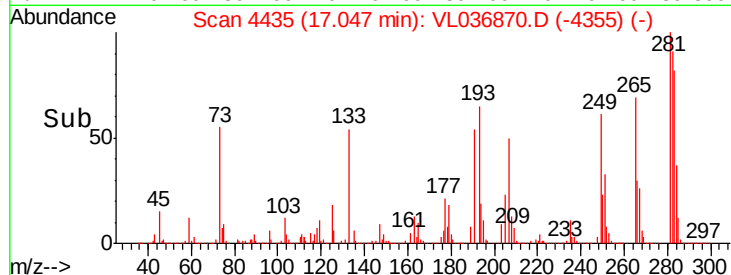
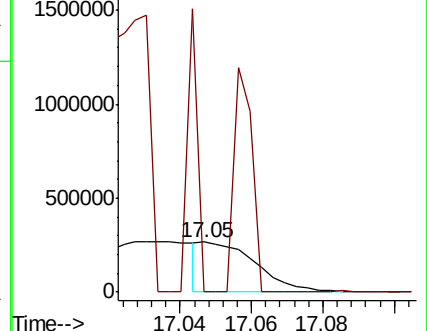
105 100

134 1079.8 14.8 22.2#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.009 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. 0.01 min

Lab File: VL036870.D

Acq: 27 Apr 2021 23:11

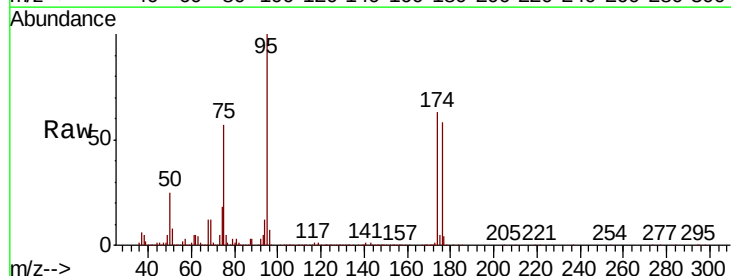
Tgt Ion: 95 Resp: 2878337

Ion Ratio Lower Upper

95 100

174 63.8 52.2 78.2

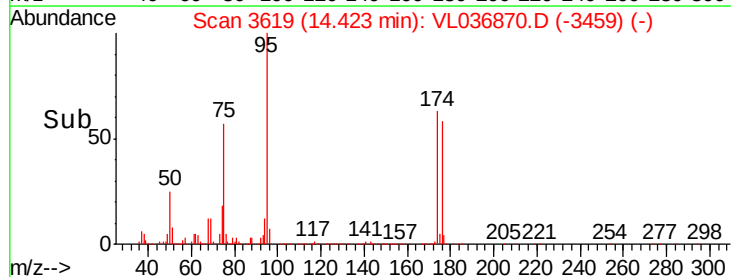
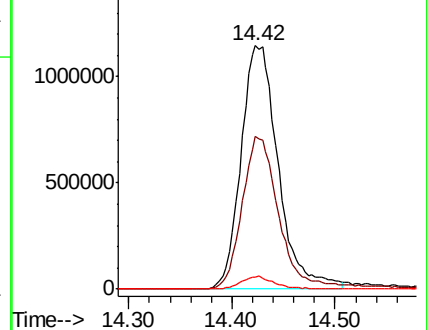
175 4.9 4.0 6.0

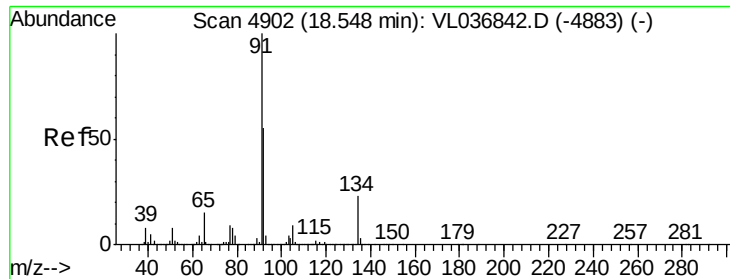


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

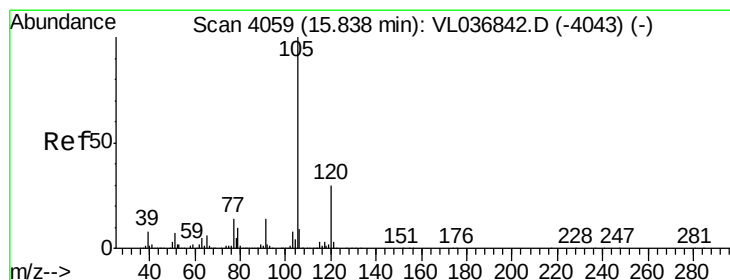
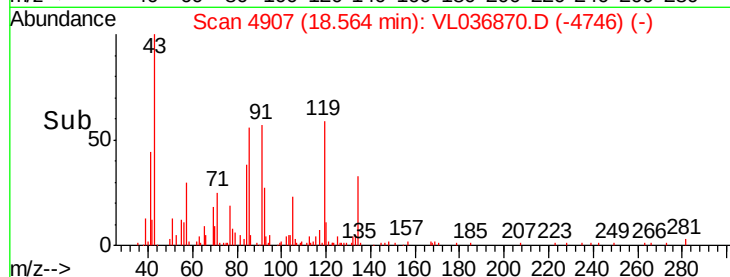
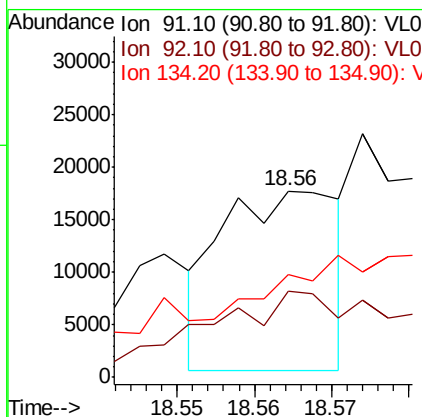
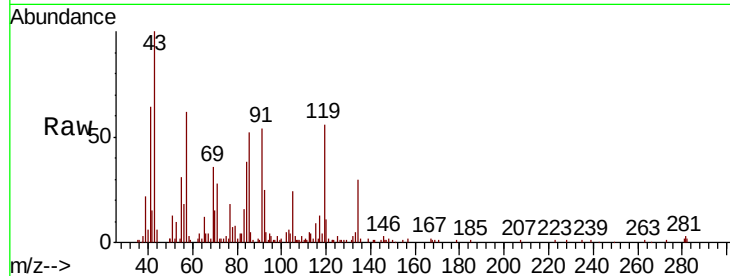
Ion 175.00 (174.70 to 175.70): V





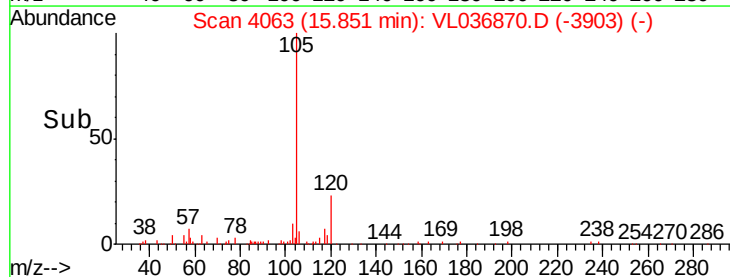
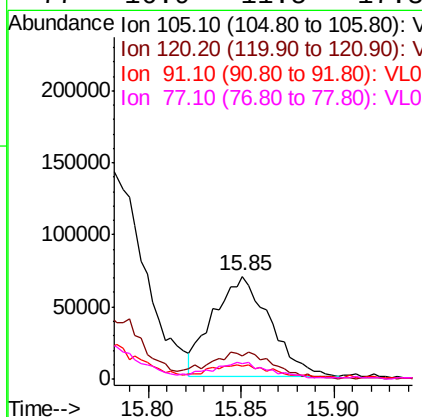
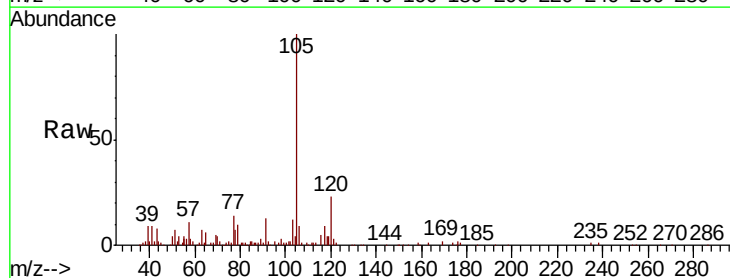
#70
n-Butylbenzene
Concen: 0.034 ppbv
RT: 18.56 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 27 Apr 2021 23:11

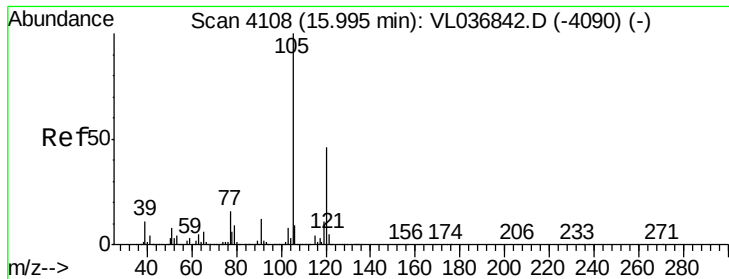
Tot Ion	Ratio	Lower	Upper
91	100		
92	125.1	43.5	65.3#
134	0.0	18.2	27.4#



#72
4-Ethyltoluene
Concen: 0.350 ppbv
RT: 15.85 min Scan# 4063
Delta R.T.: 0.01 min
Lab File: VL036870.D
Acq: 27 Apr 2021 23:11

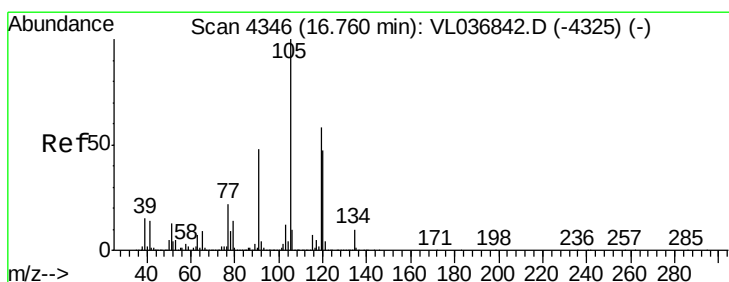
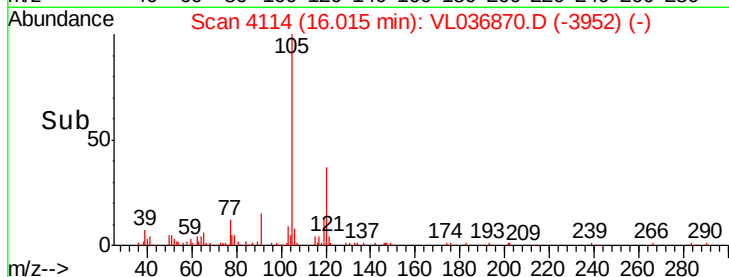
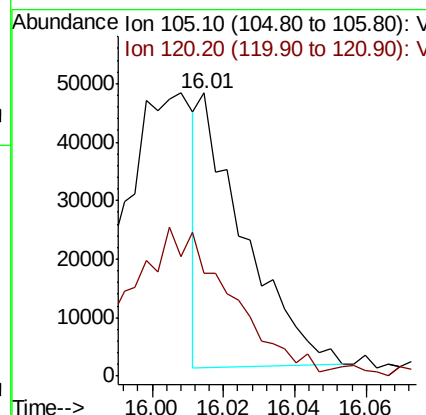
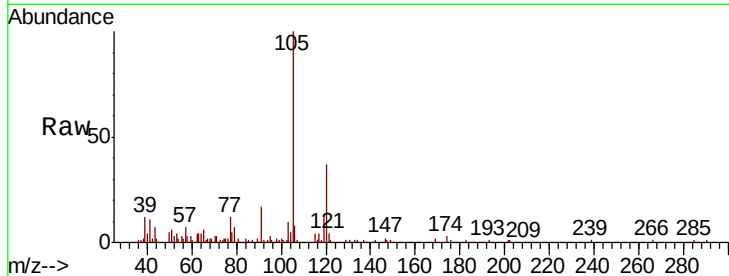
Tgt Ion	Ratio	Lower	Upper
105	100		
120	32.0	23.8	35.6
91	17.2	10.7	16.1#
77	16.9	11.5	17.3





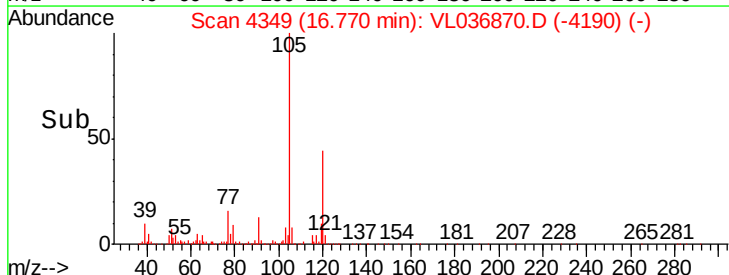
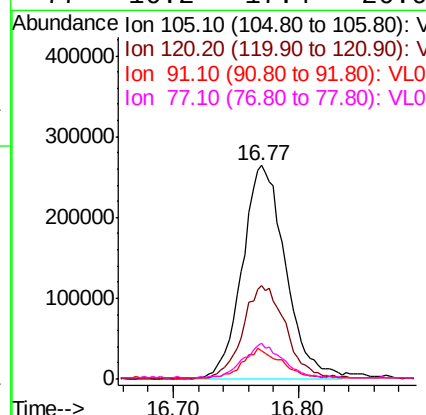
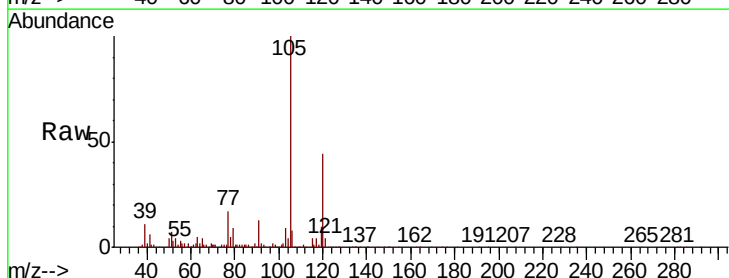
#73
 1,3,5-Trimethylbenzene
 Concen: 0.100 ppbv
 RT: 16.01 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Apr 2021 23:11

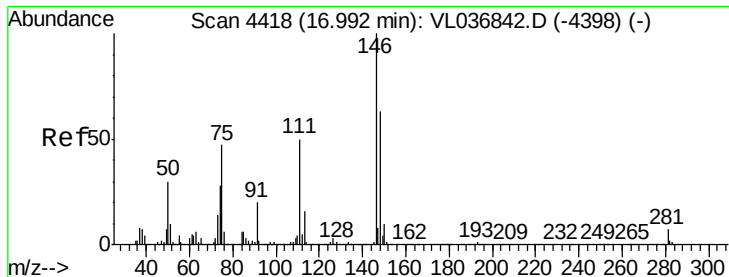
Tot Ion:105 Resp: 40776
 Ion Ratio Lower Upper
 105 100
 120 34.9 36.8 55.2#



#74
 1,2,4-Trimethylbenzene
 Concen: 1.451 ppbv
 RT: 16.77 min Scan# 4349
 Delta R.T. 0.01 min
 Lab File: VL036870.D
 Acq: 27 Apr 2021 23:11

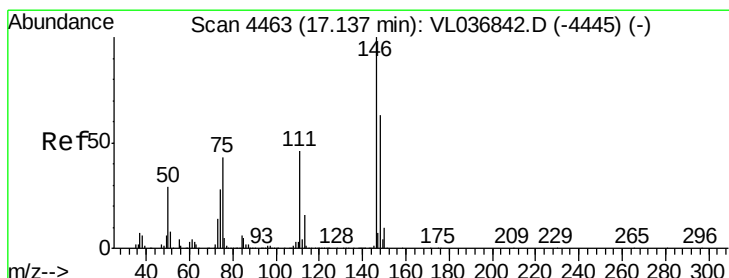
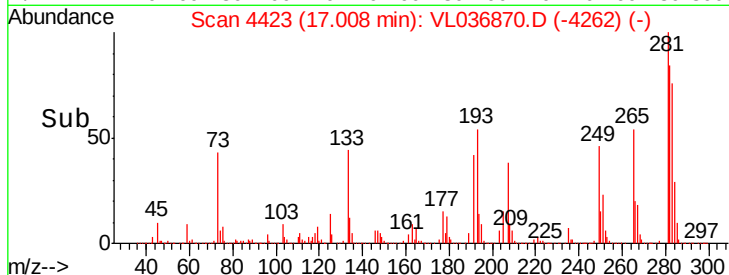
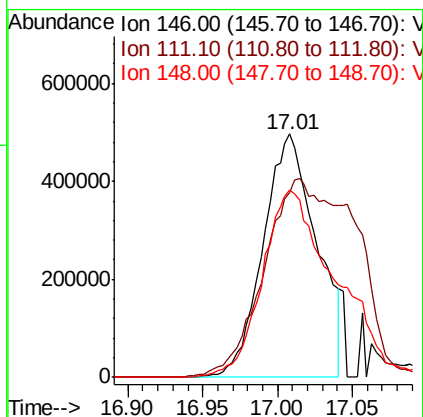
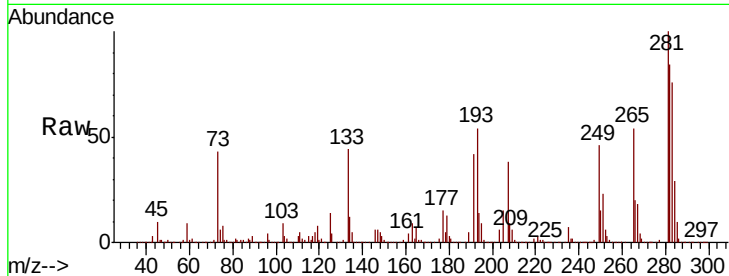
Tgt Ion:105 Resp: 629788
 Ion Ratio Lower Upper
 105 100
 120 43.7 37.6 56.4
 91 12.5 39.0 58.4#
 77 16.2 17.4 26.0#





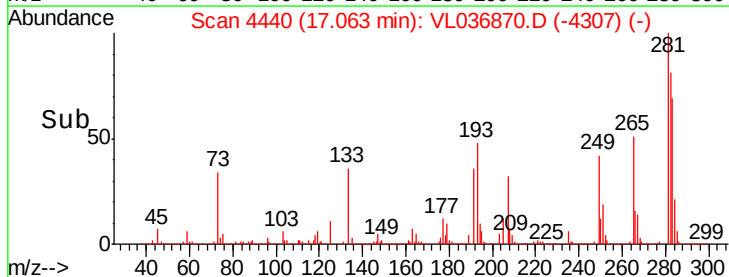
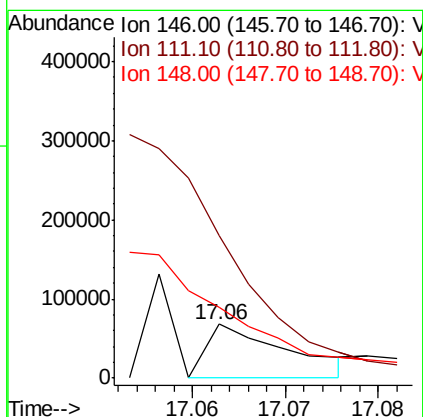
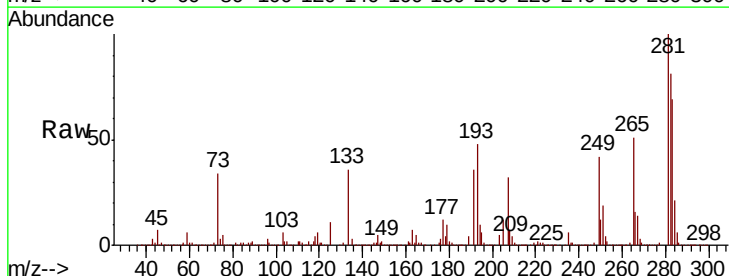
#75
 1,3-Dichlorobenzene
 Concen: 4.783 ppbv
 RT: 17.01 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Apr 2021 23:11

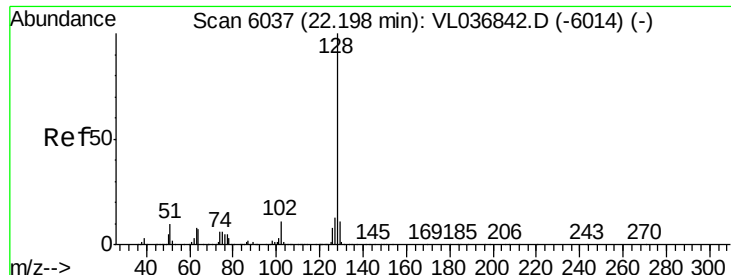
Tot Ion:146 Resp: 1227695
 Ion Ratio Lower Upper
 146 100
 111 143.5 24.2 72.6#
 148 107.5 32.1 96.3#



#76
 1,4-Dichlorobenzene
 Concen: 0.164 ppbv
 RT: 17.06 min Scan# 4440
 Delta R.T. -0.07 min
 Lab File: VL036870.D
 Acq: 27 Apr 2021 23:11

Tgt Ion:146 Resp: 41188
 Ion Ratio Lower Upper
 146 100
 111 0.0 24.3 72.8#
 148 0.0 32.4 97.0#





#79

Naphthalene

Concen: 0.084 ppbv

RT: 22.22 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 23:11

Tot Ion:128 Resp: 20377

Ion Ratio Lower Upper

128 100

127 12.4 10.6 15.8

129 0.3 9.0 13.4#

