

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
 Data File : VL035559.D
 Acq On : 8 Sep 2020 16:48
 Operator : SY/AP
 Sample : L3936-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 02-WH

Quant Time: Sep 09 02:36:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1014468	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	4300053	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	4302145	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3232898	10.58	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	53448	0.304	ppbv 90
3) Chlorodifluoromethane	2.98	51	70770	0.631	ppbv # 84
4) Chloromethane	3.13	50	31521	0.524	ppbv 100
9) Propene	3.20	41	121168	2.801	ppbv 92
10) Heptane	8.13	43	61541	0.530	ppbv 99
11) Trichlorofluoromethane	3.94	101	65355	0.255	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	14752	0.076	ppbv 97
13) Ethanol	3.60	45	693719	64.685	ppbv 97
15) Acetone	3.84	43	1960112	17.519	ppbv 99
16) 1,3-Butadiene	3.30	39	82301	1.976	ppbv # 29
17) tert-Butyl alcohol	4.30	59	28842	0.212	ppbv # 72
19) Isopropyl Alcohol	3.97	45	209036	3.132	ppbv # 1
20) Methylene Chloride	4.34	84	422572	5.071	ppbv 97
21) Allyl Chloride	4.36	41	2361	0.045	ppbv # 1
23) Vinyl Acetate	5.05	43	49600	0.345	ppbv # 46
25) Ethyl Acetate	5.68	43	150704	0.762	ppbv # 81
26) Hexane	5.68	57	209545	1.871	ppbv # 55
27) Carbon Disulfide	4.55	76	57532	0.358	ppbv # 90
29) Chloroform	5.75	83	15374	0.067	ppbv 85
30) Cyclohexane	7.13	84	21633	0.180	ppbv # 31
34) 2-Butanone	5.24	43	167243	1.311	ppbv 99
35) Carbon Tetrachloride	7.01	117	15019	0.069	ppbv # 84
36) Benzene	6.89	78	141500	0.508	ppbv 99
39) 1,2-Dichloropropane	7.18	63	783234	8.330	ppbv # 32
44) 2,2,4-Trimethylpentane	7.87	57	297697	0.813	ppbv 91
50) 4-Methyl-2-Pentanone	8.75	43	35193	0.190	ppbv # 48
52) Tetrachloroethene	11.23	164	12723	0.078	ppbv 90
53) Toluene	9.81	91	5077598	14.506	ppbv 97
58) Ethyl Benzene	12.72	91	264472	0.596	ppbv 93
59) m/p-Xylene	12.97	91	868874	2.344	ppbv 96
60) o-Xylene	13.70	91	282481	0.757	ppbv 97
61) Styrene	13.54	104	35165	0.123	ppbv # 26
62) Isopropylbenzene	14.68	105	18750	0.031	ppbv 93
64) n-propylbenzene	15.57	120	11944	0.065	ppbv # 1
65) tert-Butylbenzene	16.78	119	54931	0.099	ppbv # 70
71) 2-Chlorotoluene	15.57	91	79798	0.183	ppbv # 36
72) 4-Ethyltoluene	15.85	105	119583	0.252	ppbv # 95
73) 1,3,5-Trimethylbenzene	16.01	105	117284	0.267	ppbv 94
74) 1,2,4-Trimethylbenzene	16.78	105	450716	0.935	ppbv # 72
76) 1,4-Dichlorobenzene	17.15	146	17190	0.049	ppbv # 15
79) Naphthalene	22.22	128	54866	0.103	ppbv # 93

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QLast Update : Thu Aug 27 06:46:28 2020
Response via : Initial Calibration

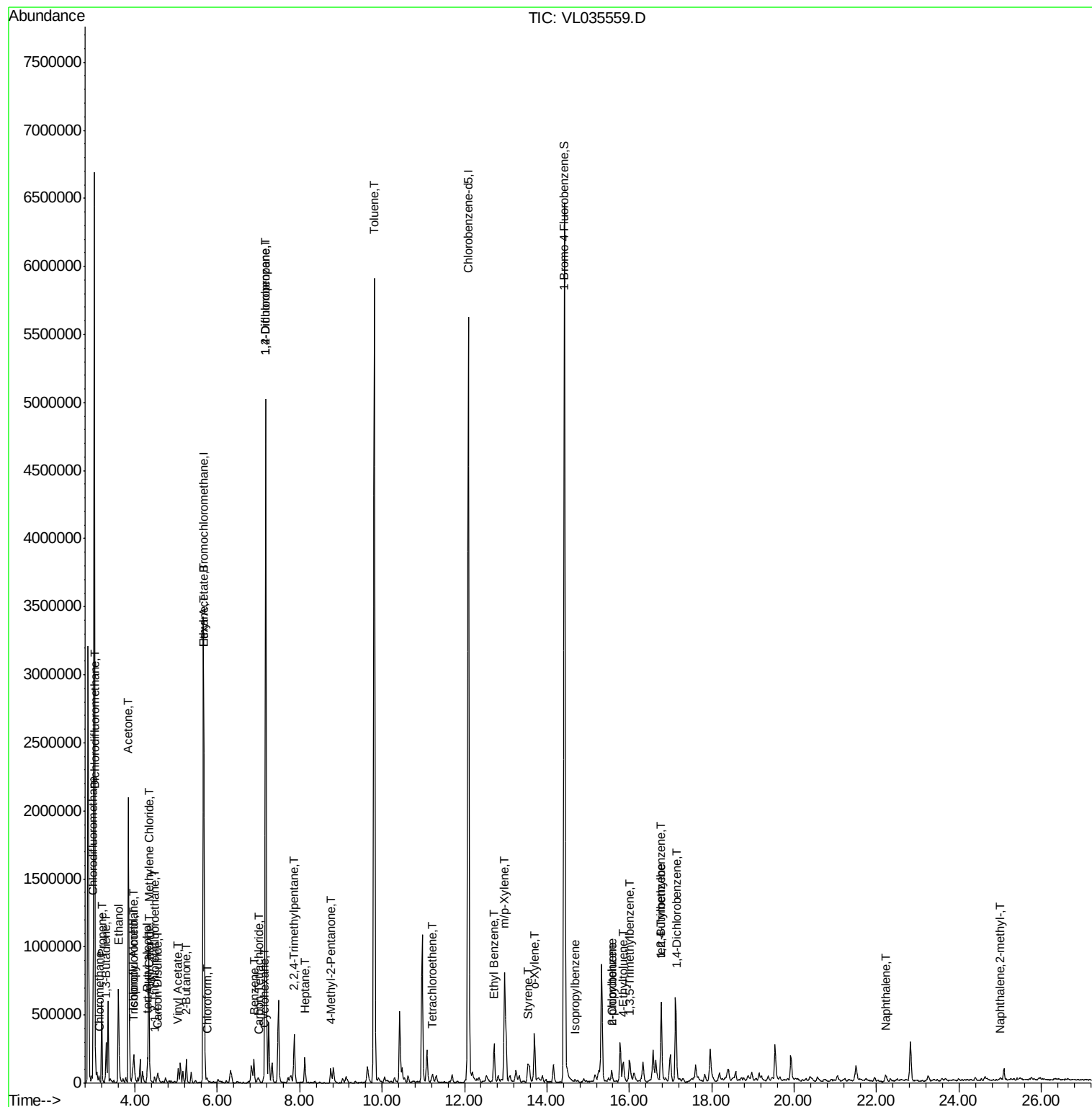
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	24.99	142	8436	0.046	ppbv	# 84

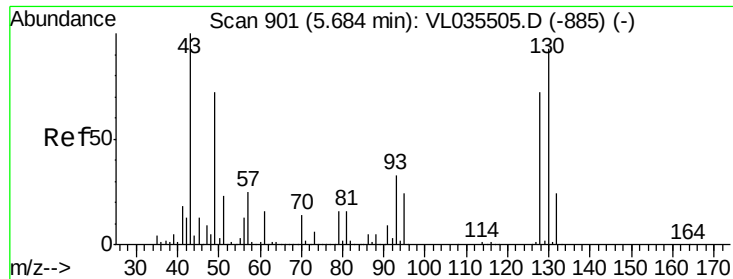
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

Lab File: VL035559.D

Acq: 8 Sep 2020 16:48

Instrument :

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ClientSampleId :

02-WH

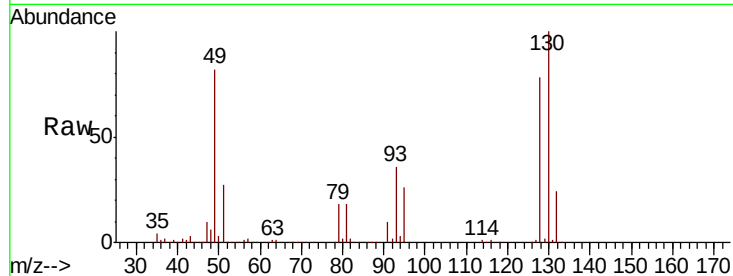
Tot Ion: 49 Resp: 1014468

Ion Ratio Lower Upper

49 100

128 94.1 50.0 150.1

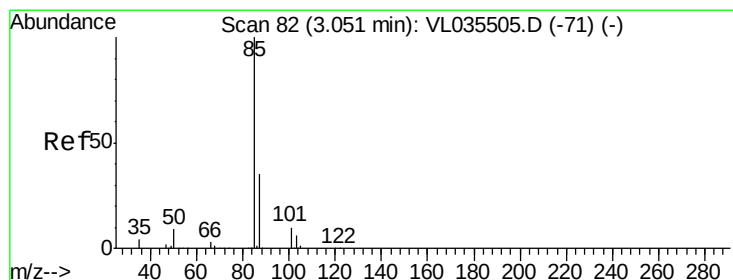
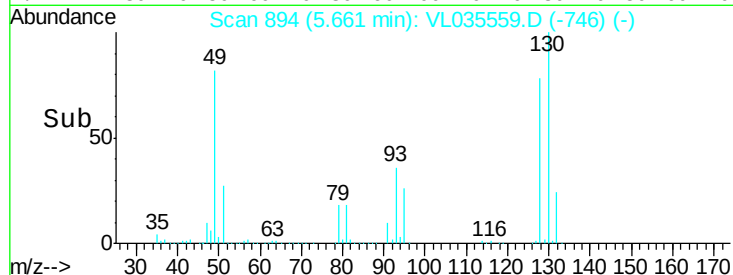
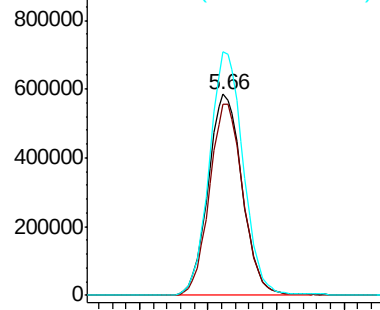
130 120.8 64.4 193.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.304 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL035559.D

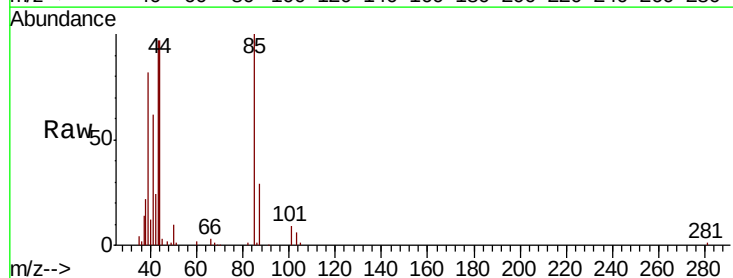
Acq: 8 Sep 2020 16:48

Tgt Ion: 85 Resp: 53448

Ion Ratio Lower Upper

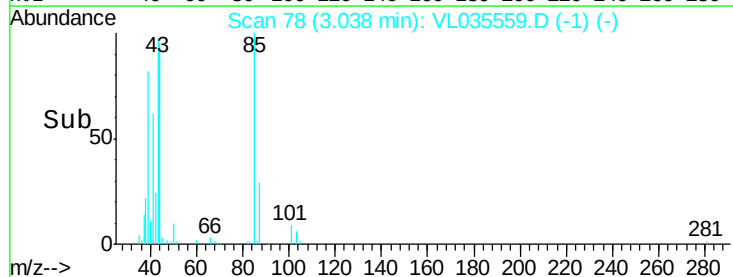
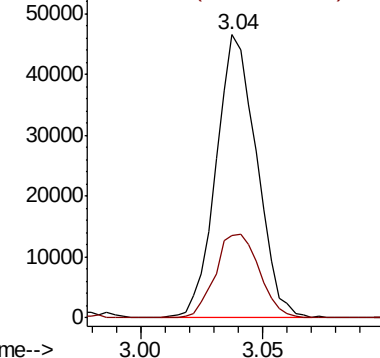
85 100

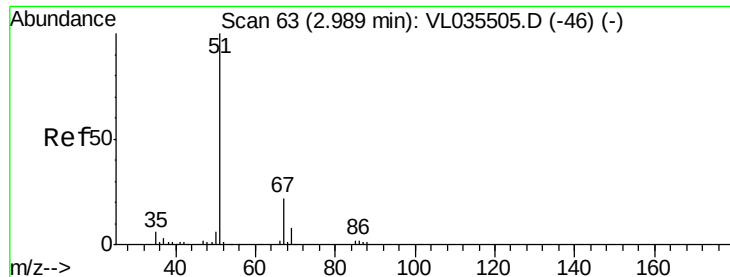
87 29.3 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.631 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL035559.D

Acq: 8 Sep 2020 16:48

Instrument :

MSVOA_L

ClientSampleId :

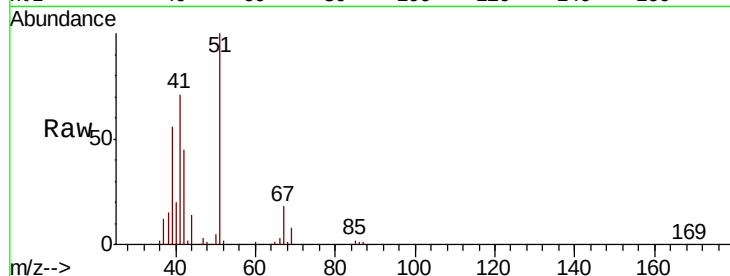
02-WH

Tot Ion: 51 Resp: 70770

Ion Ratio Lower Upper

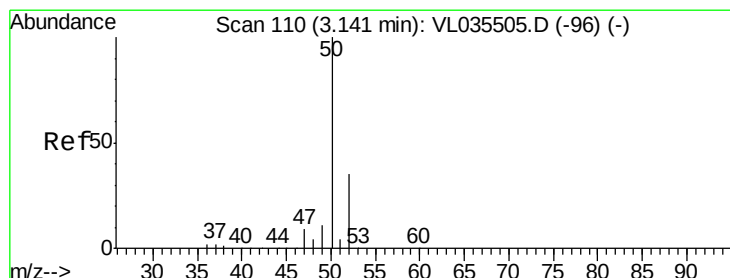
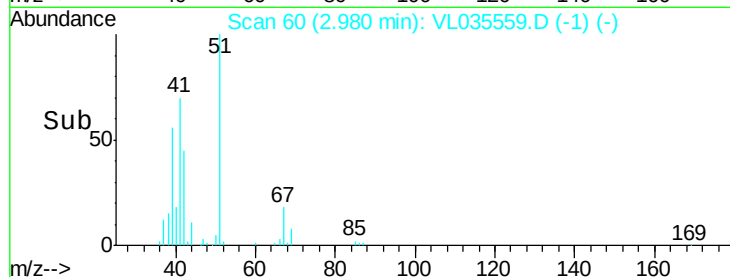
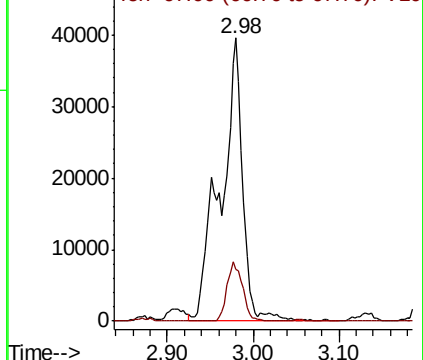
51 100

67 14.5 17.8 26.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.524 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL035559.D

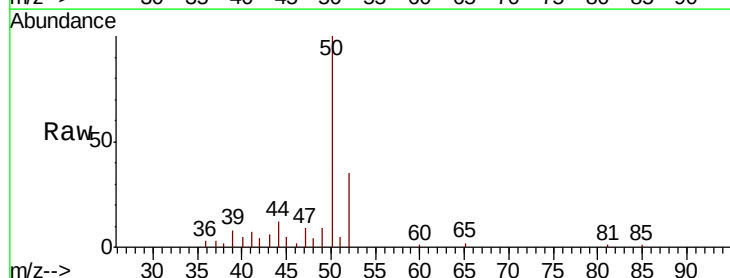
Acq: 8 Sep 2020 16:48

Tgt Ion: 50 Resp: 31521

Ion Ratio Lower Upper

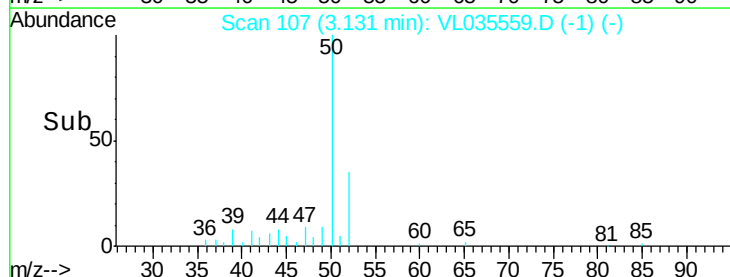
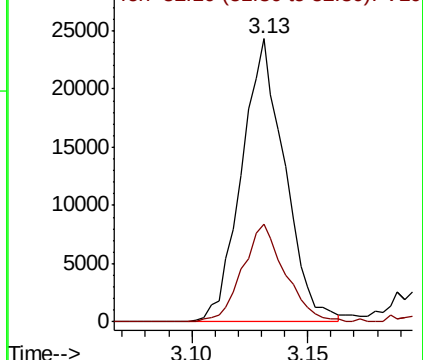
50 100

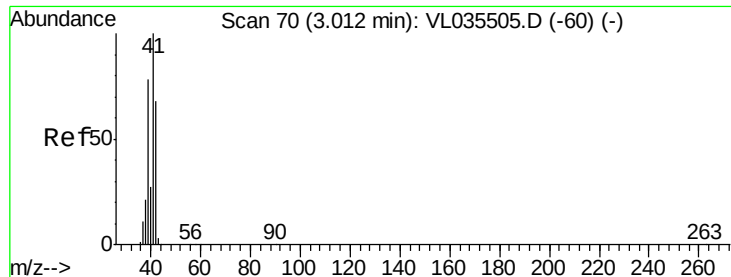
52 34.7 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 2.801 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.18 min

Lab File: VL035559.D

Acq: 8 Sep 2020 16:48

Instrument :

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ClientSampleId :

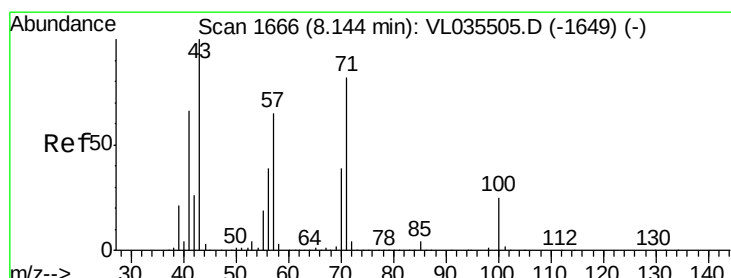
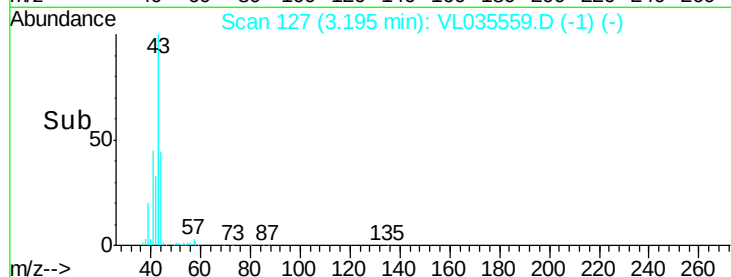
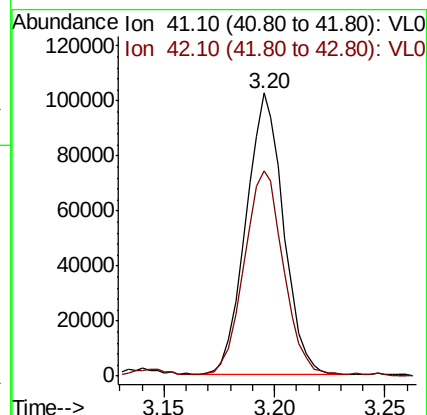
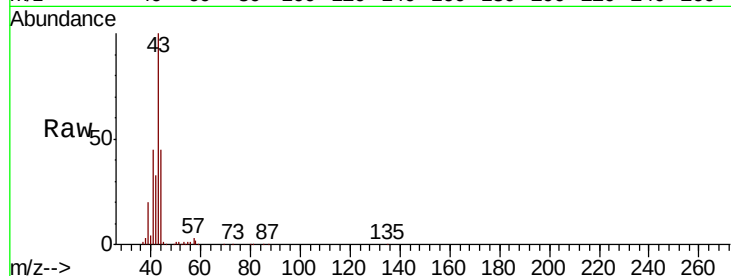
02-WH

Tot Ion: 41 Resp: 121168

Ion Ratio Lower Upper

41 100

42 76.7 56.3 84.5



#10

Heptane

Concen: 0.530 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.02 min

Lab File: VL035559.D

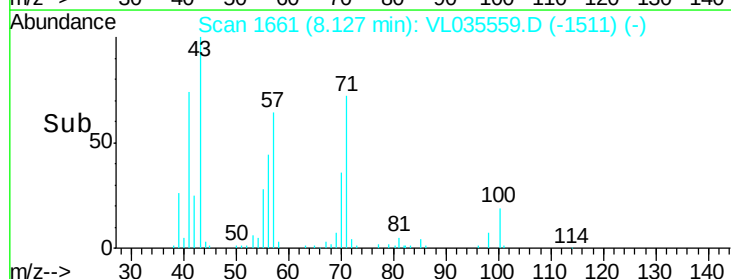
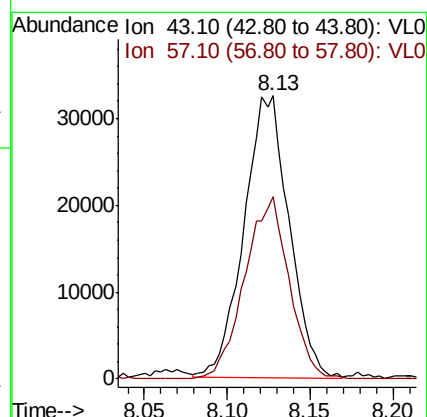
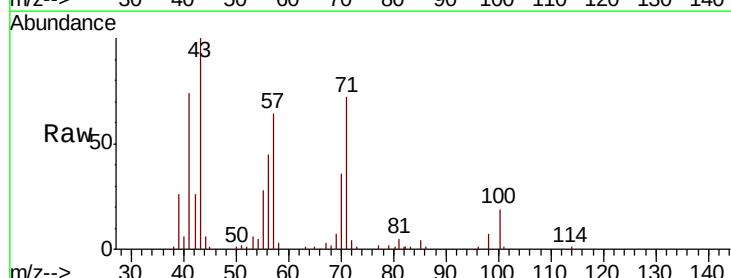
Acq: 8 Sep 2020 16:48

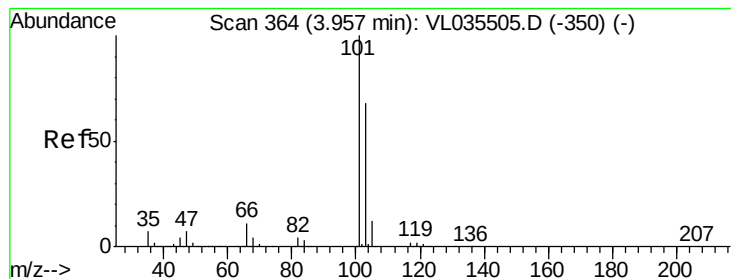
Tgt Ion: 43 Resp: 61541

Ion Ratio Lower Upper

43 100

57 63.5 51.4 77.0





#11

Trichlorofluoromethane

Concen: 0.255 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.01 min

Lab File: VL035559.D

Acq: 8 Sep 2020 16:48

Instrument :

MSVOA_L

ClientSampleId :

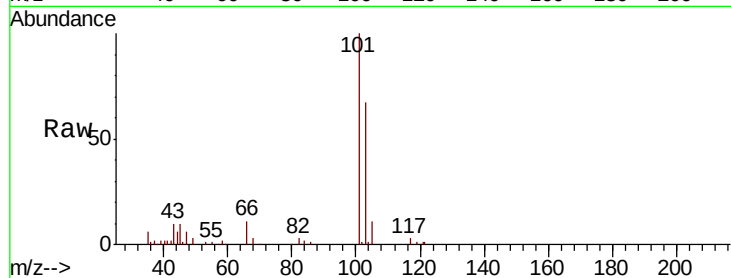
02-WH

Tot Ion:101 Resp: 65355

Ion Ratio Lower Upper

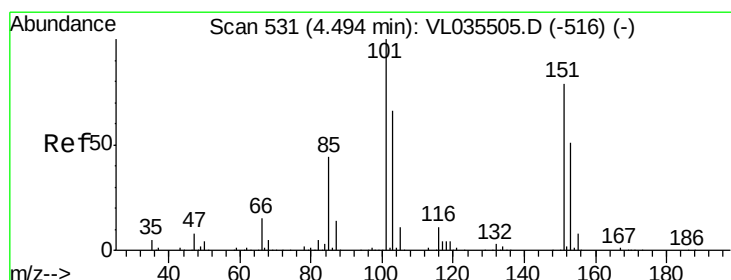
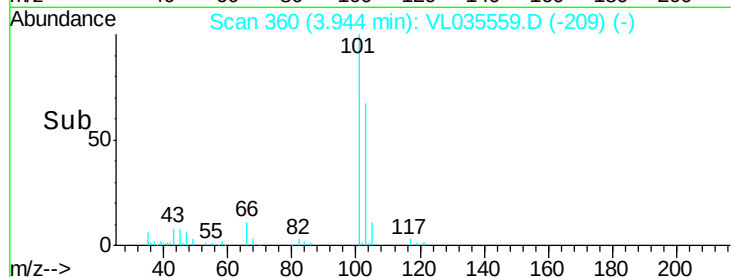
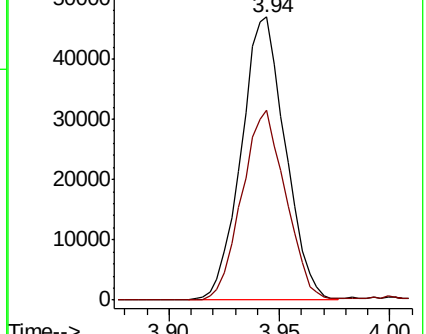
101 100

103 67.0 54.5 81.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.076 ppbv

RT: 4.48 min Scan# 527

Delta R.T. -0.01 min

Lab File: VL035559.D

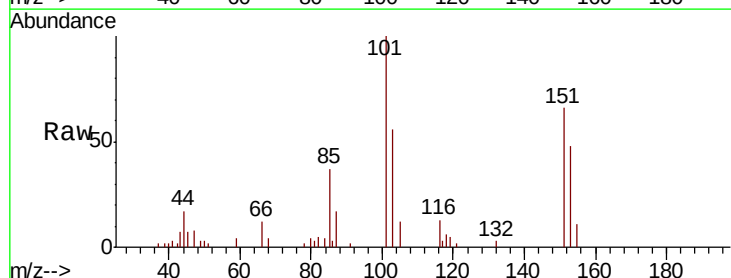
Acq: 8 Sep 2020 16:48

Tgt Ion:101 Resp: 14752

Ion Ratio Lower Upper

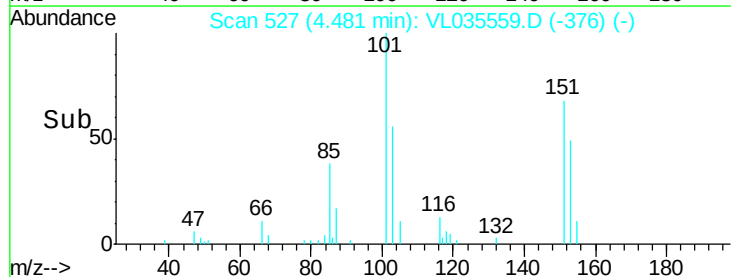
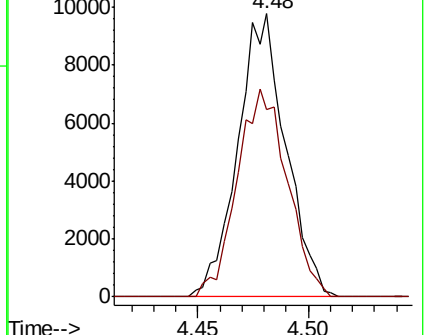
101 100

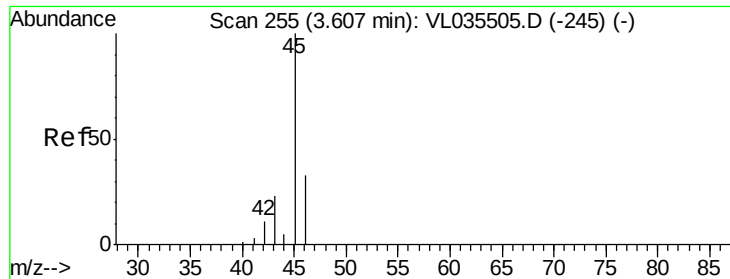
151 76.6 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 64.685 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL035559.D

Acq: 8 Sep 2020 16:48

Instrument :

MSVOA_L

ClientSampleId :

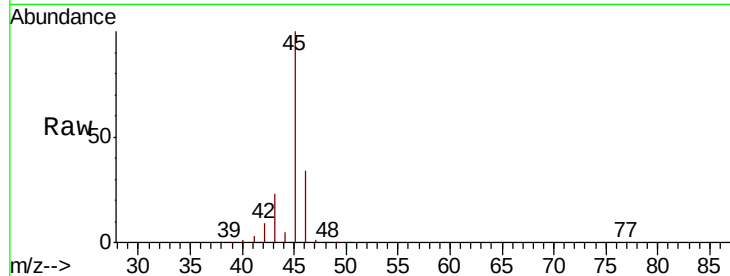
02-WH

Tot Ion: 45 Resp: 693719

Ion Ratio Lower Upper

45 100

46 36.4 15.2 60.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.60

400000

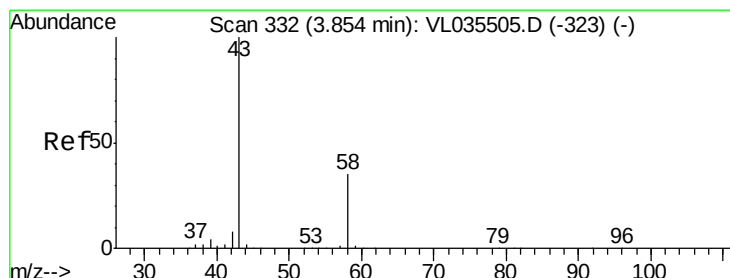
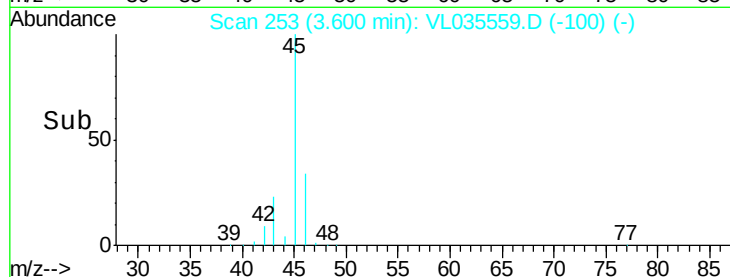
300000

200000

100000

0

Time-->



#15

Acetone

Concen: 17.519 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.02 min

Lab File: VL035559.D

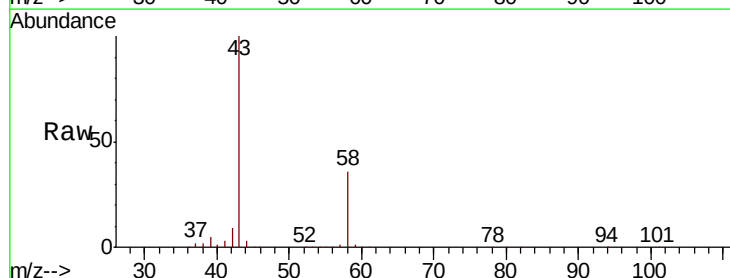
Acq: 8 Sep 2020 16:48

Tgt Ion: 43 Resp: 1960112

Ion Ratio Lower Upper

43 100

58 35.2 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

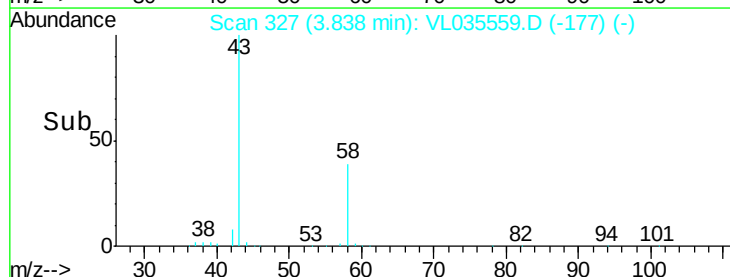
1500000

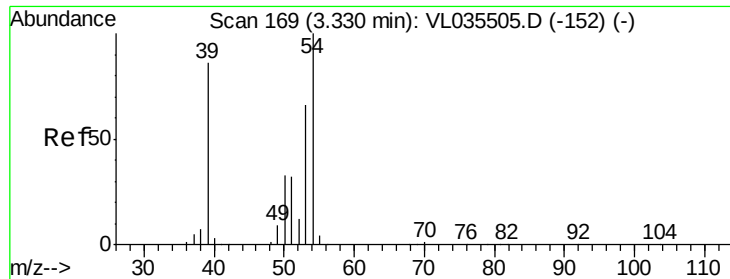
1000000

500000

0

Time-->

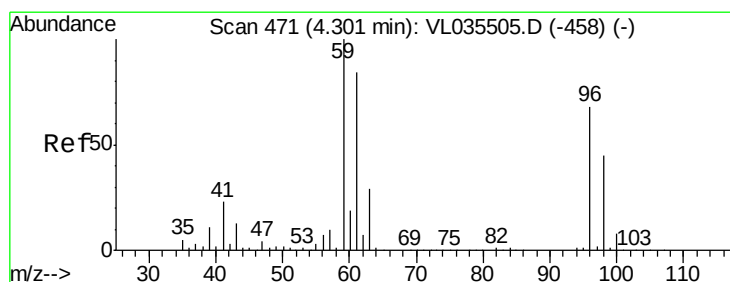
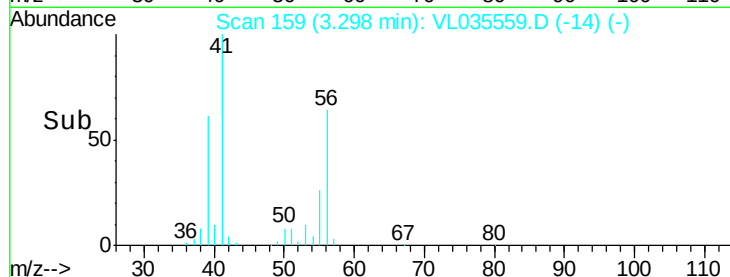
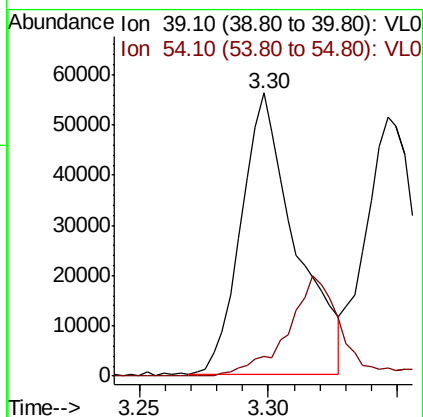
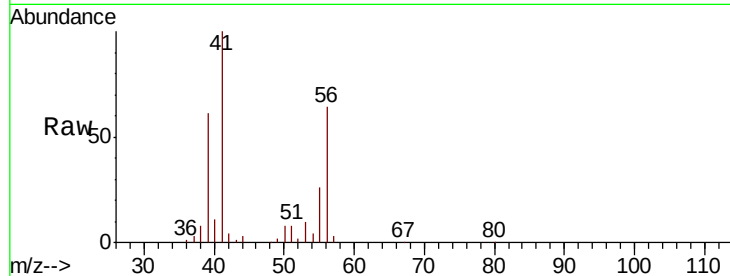




#16
 1,3-Butadiene
 Concen: 1.976 ppbv
 RT: 3.30 min Scan# 159
 Delta R.T. -0.03 min
 Lab File: VL035559.D
 Acq: 8 Sep 2020 16:48

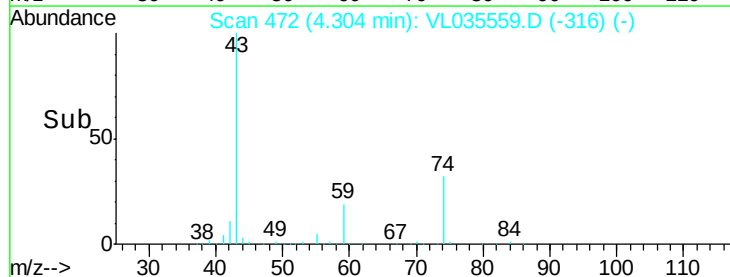
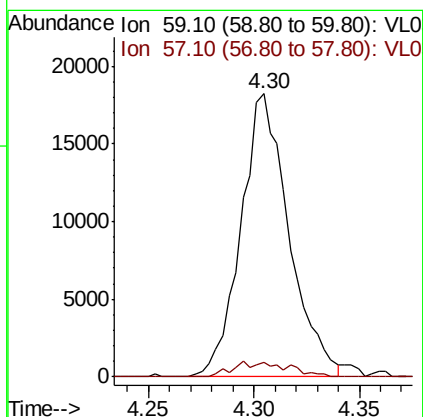
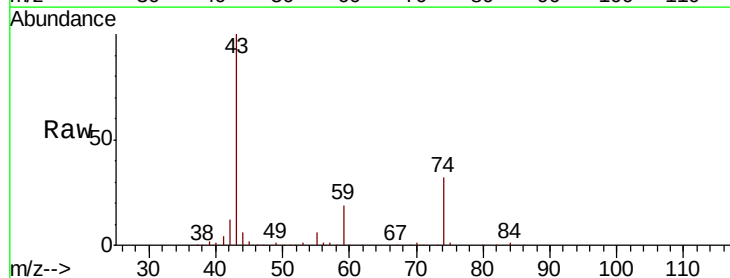
Instrument :
 MSVOA_L
 ClientSampleId :
 02-WH

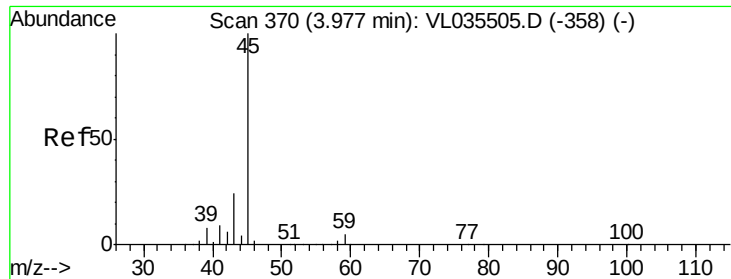
Tot Ion: 39 Resp: 82301
 Ion Ratio Lower Upper
 39 100
 54 35.1 88.4 132.6#



#17
 tert-Butyl alcohol
 Concen: 0.212 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.00 min
 Lab File: VL035559.D
 Acq: 8 Sep 2020 16:48

Tgt Ion: 59 Resp: 28842
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#





#19

Isopropyl Alcohol

Concen: 3.132 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.01 min

Lab File: VL035559.D

Acq: 8 Sep 2020 16:48

Instrument :

MSVOA_L

ClientSampleId :

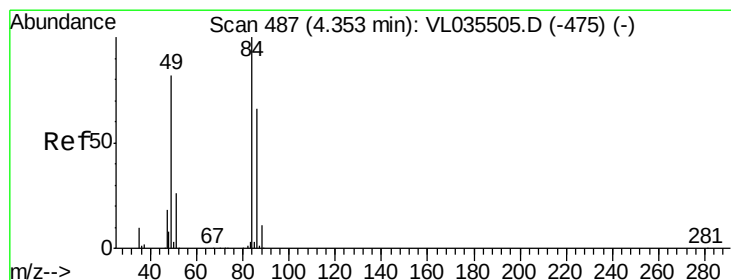
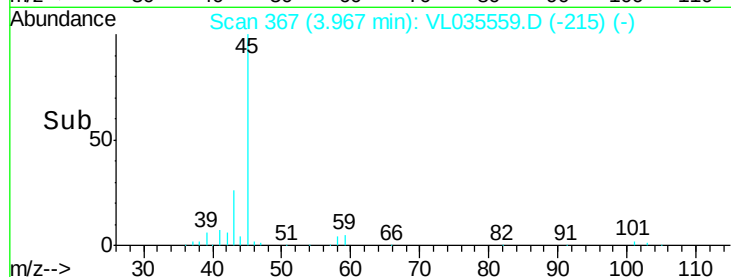
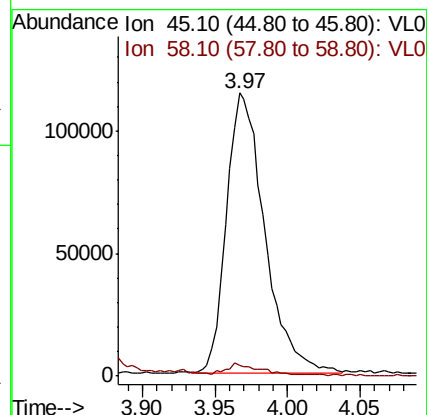
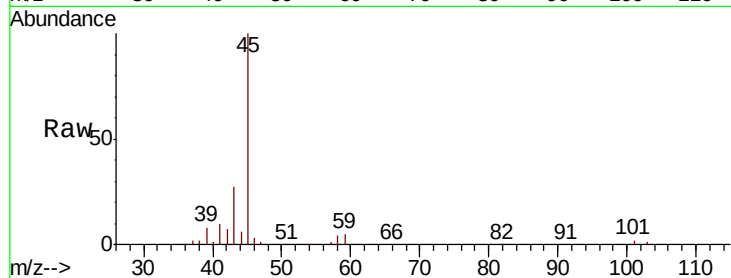
02-WH

Tot Ion: 45 Resp: 209036

Ion Ratio Lower Upper

45 100

58 331.8 2.0 3.0#



#20

Methylene Chloride

Concen: 5.071 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.02 min

Lab File: VL035559.D

Acq: 8 Sep 2020 16:48

Tgt Ion: 84 Resp: 422572

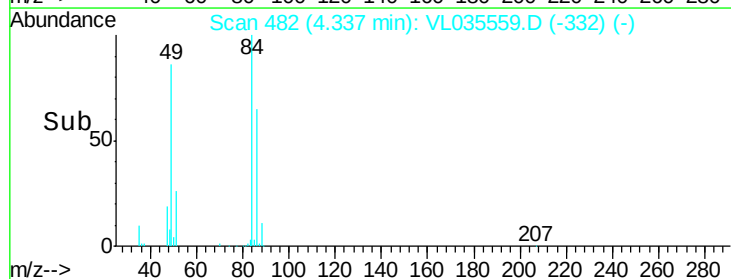
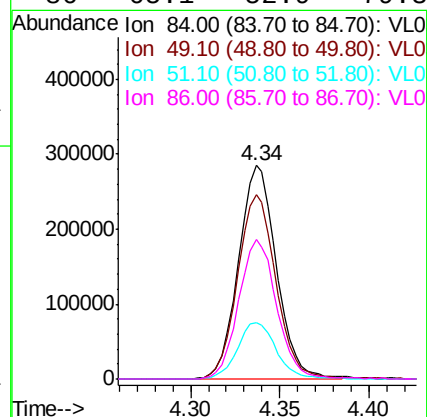
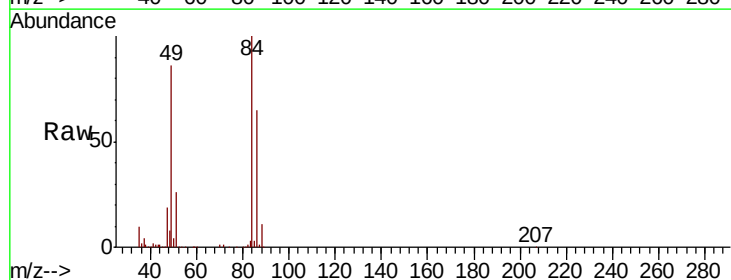
Ion Ratio Lower Upper

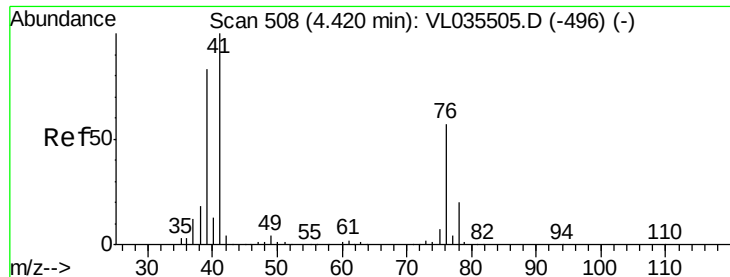
84 100

49 86.1 65.4 98.0

51 26.0 21.5 32.3

86 65.1 52.9 79.3





#21

Allvl Chloride

Concen: 0.045 ppbv

RT: 4.36 min Scan# 490

Delta R.T. -0.06 min

Lab File: VL035559.D

Acq: 8 Sep 2020 16:48

Instrument :

MSVOA_L

ClientSampleId :

02-WH

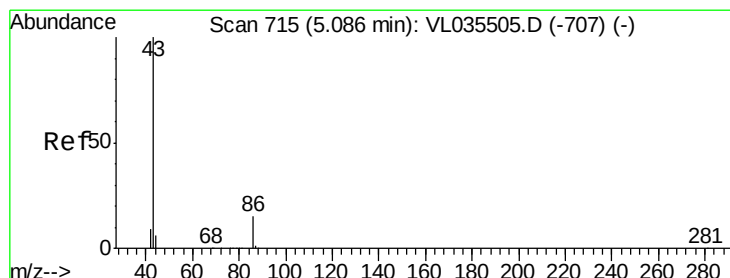
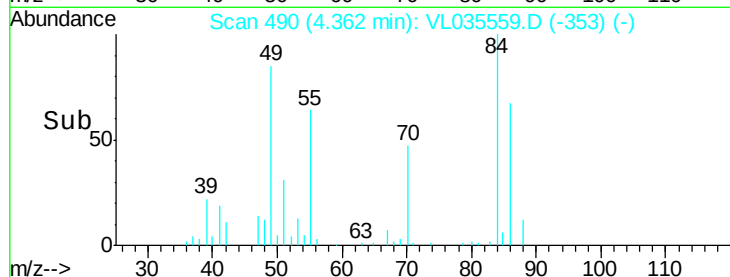
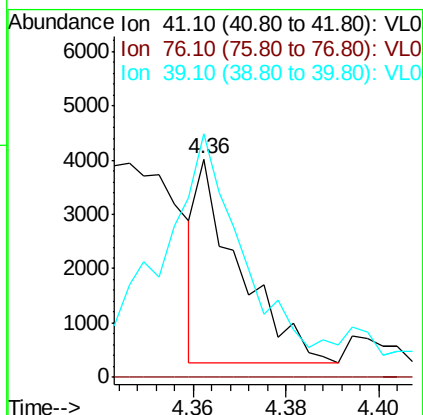
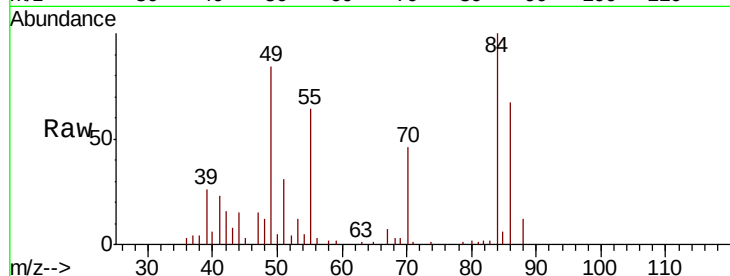
Tot Ion: 41 Resp: 2361

Ion Ratio Lower Upper

41 100

76 0.0 46.2 69.2#

39 254.2 67.8 101.6#



#23

Vinyl Acetate

Concen: 0.345 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.03 min

Lab File: VL035559.D

Acq: 8 Sep 2020 16:48

Tgt Ion: 43 Resp: 49600

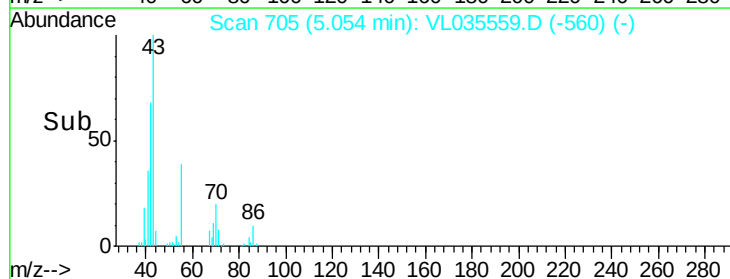
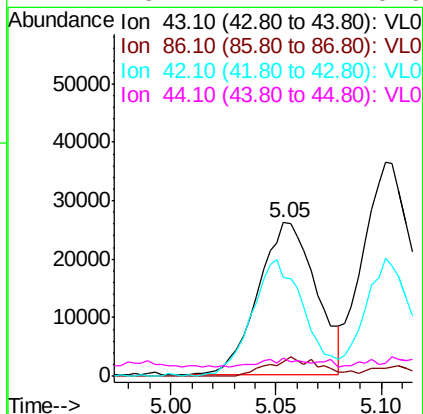
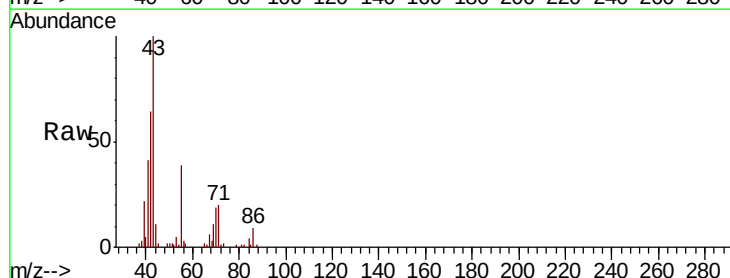
Ion Ratio Lower Upper

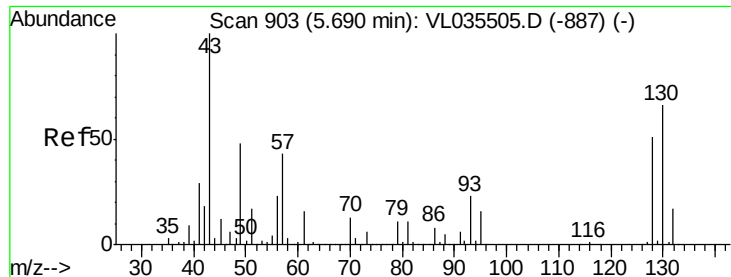
43 100

86 9.6 10.6 16.0#

42 63.9 7.5 11.3#

44 5.4 4.4 6.6





#25

Ethyl Acetate

Concen: 0.762 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.01 min

Lab File: VL035559.D

Acq: 8 Sep 2020 16:48

Instrument :

MSVOA_L

ClientSampleId :

02-WH

Tot Ion: 43 Resp: 150704

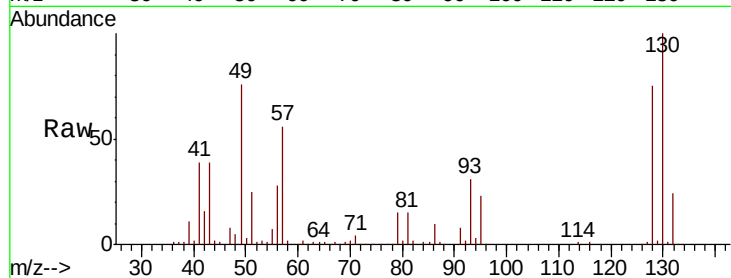
Ion Ratio Lower Upper

43 100

45 4.6 8.4 12.6#

61 4.3 10.6 16.0#

70 5.3 9.4 14.2#

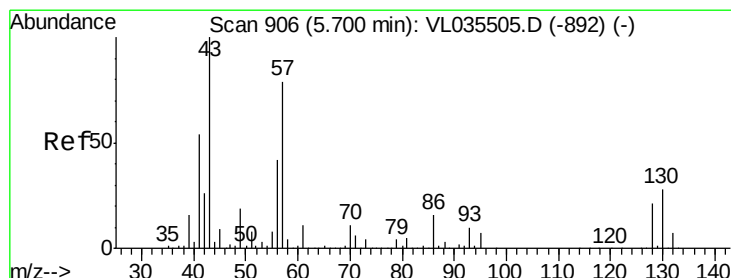
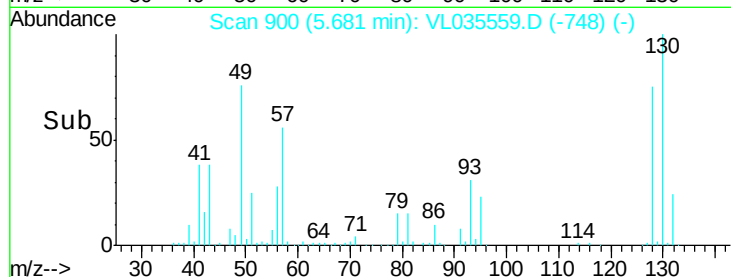
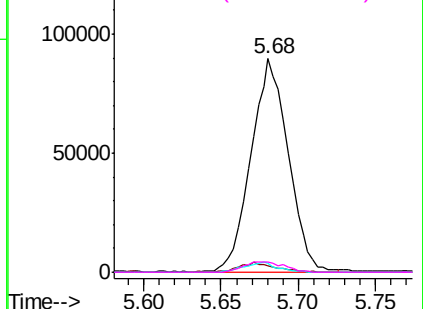


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 1.871 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.02 min

Lab File: VL035559.D

Acq: 8 Sep 2020 16:48

Tgt Ion: 57 Resp: 209545

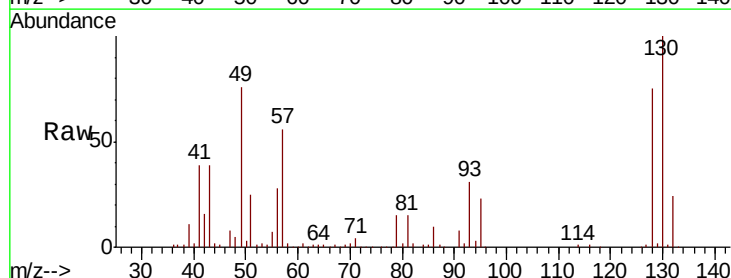
Ion Ratio Lower Upper

57 100

41 70.5 55.9 83.9

43 71.8 141.8 212.8#

56 54.6 41.8 62.8

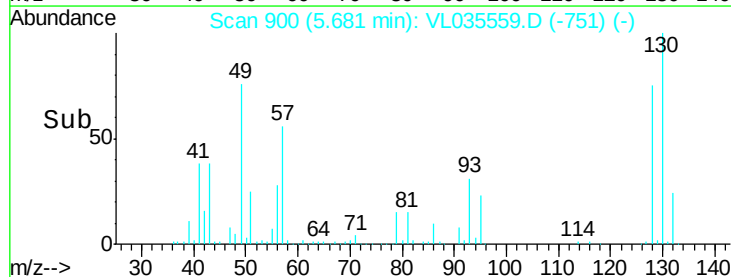
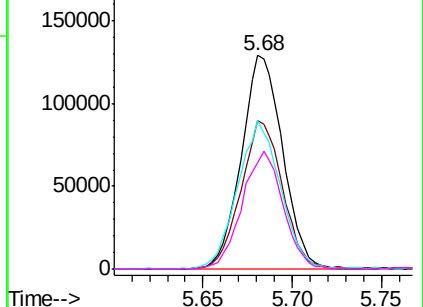


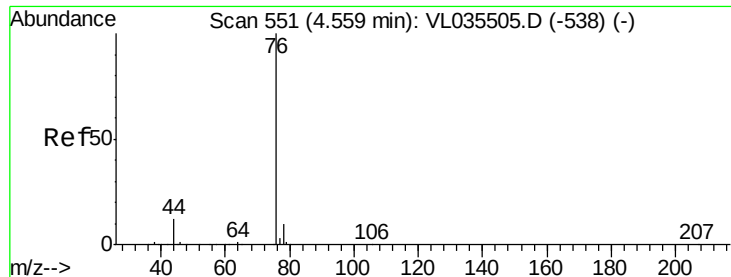
Abundance Ion 57.10 (56.80 to 57.80): VL0

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





#27

Carbon Disulfide

Concen: 0.358 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.01 min

Lab File: VL035559.D

Acq: 8 Sep 2020 16:48

Instrument :

MSVOA_L

ClientSampleId :

02-WH

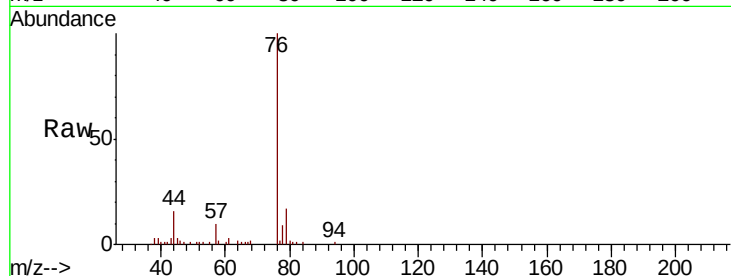
Tot Ion: 76 Resp: 57532

Ion Ratio Lower Upper

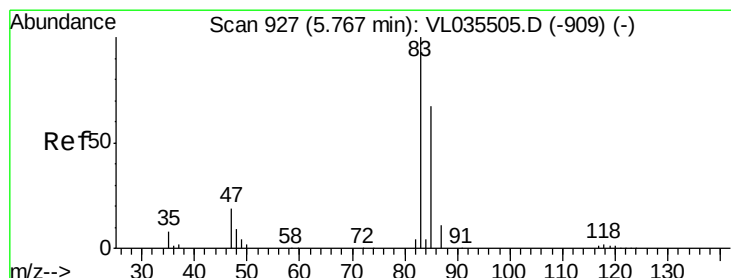
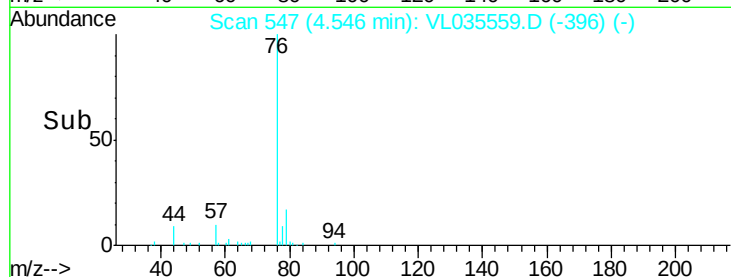
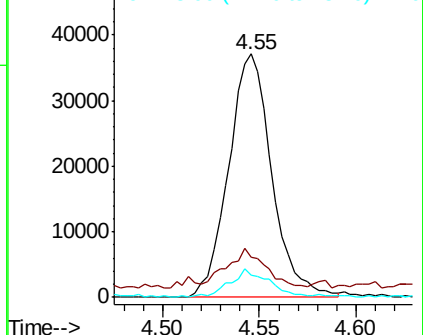
76 100

44 17.3 9.3 13.9#

78 11.3 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#29

Chloroform

Concen: 0.067 ppbv

RT: 5.75 min Scan# 921

Delta R.T. -0.02 min

Lab File: VL035559.D

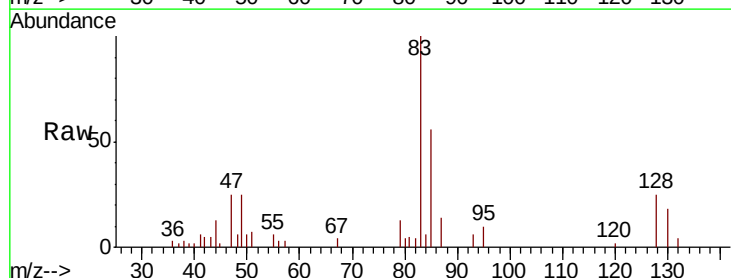
Acq: 8 Sep 2020 16:48

Tgt Ion: 83 Resp: 15374

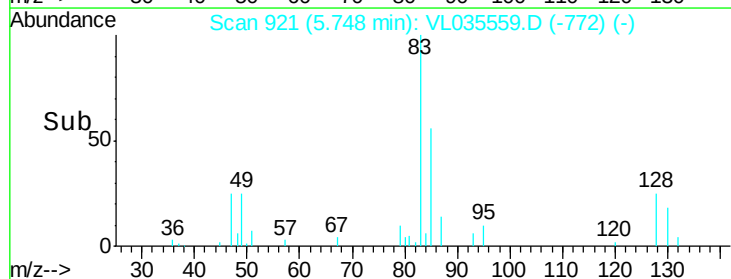
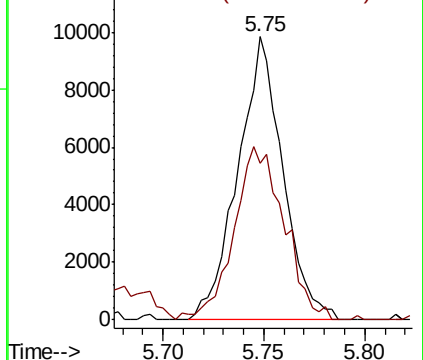
Ion Ratio Lower Upper

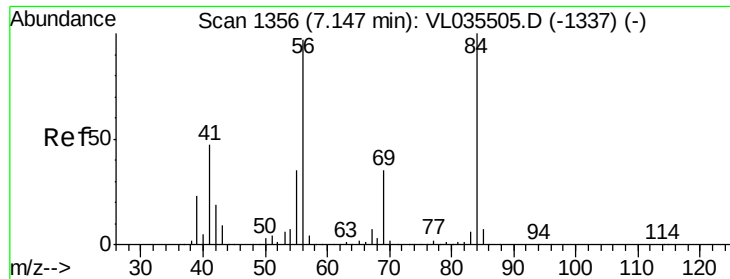
83 100

85 55.5 53.9 80.9



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

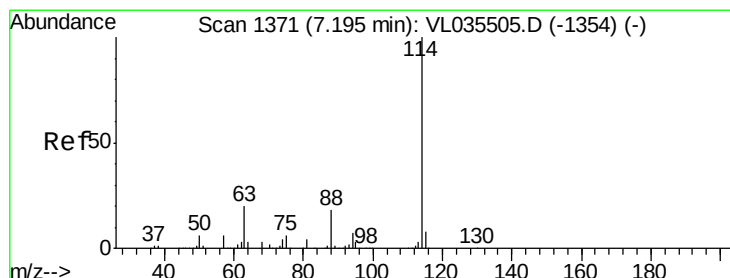
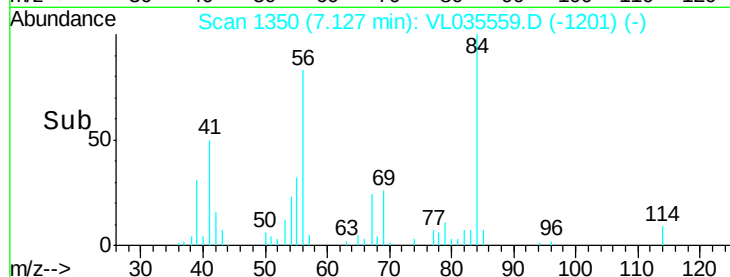
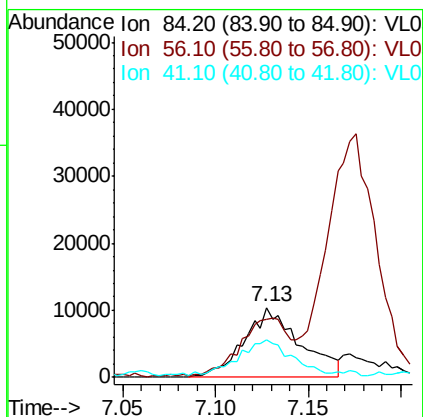
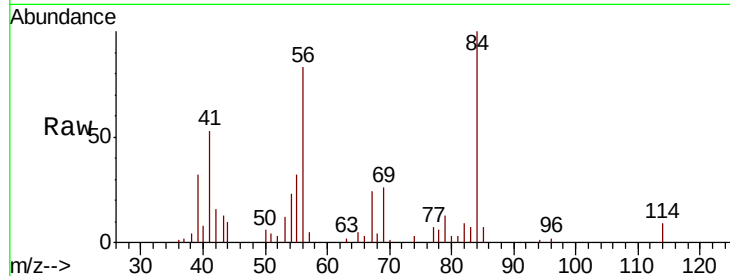




#30
Cyclohexane
Concen: 0.180 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL035559.D
Acq: 8 Sep 2020 16:48

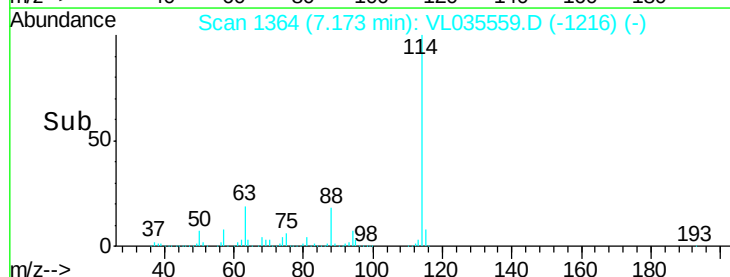
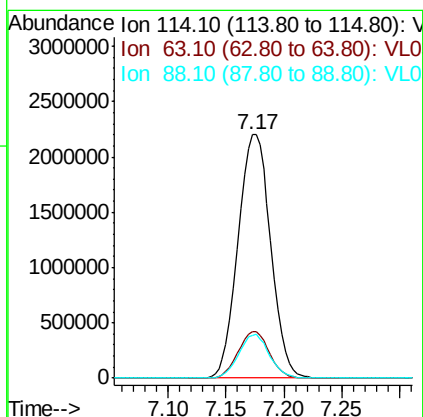
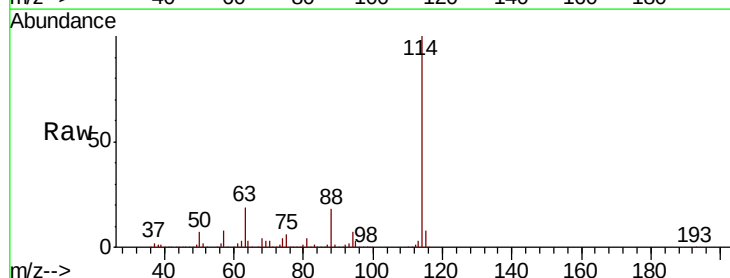
Instrument :
MSVOA_L
ClientSampleId :
02-WH

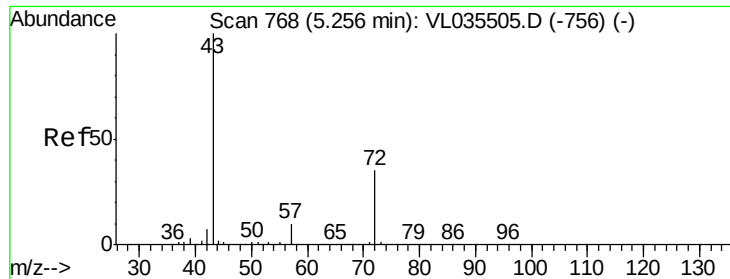
Tot Ion: 84 Resp: 21633
Ion Ratio Lower Upper
84 100
56 0.0 80.1 120.1#
41 50.4 38.1 57.1



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.02 min
Lab File: VL035559.D
Acq: 8 Sep 2020 16:48

Tgt Ion: 114 Resp: 4300053
Ion Ratio Lower Upper
114 100
63 18.3 14.7 22.1
88 16.9 13.4 20.2

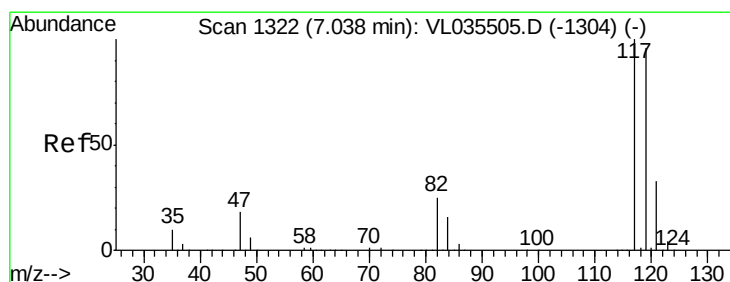
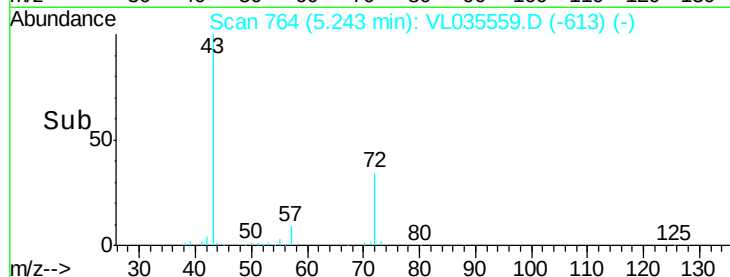
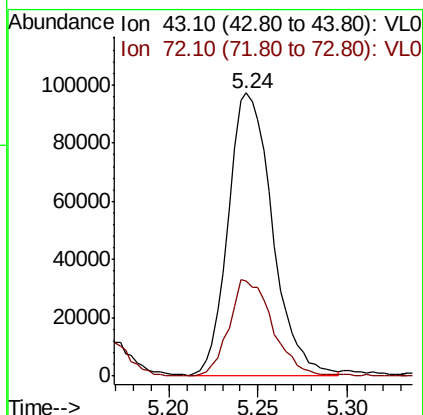
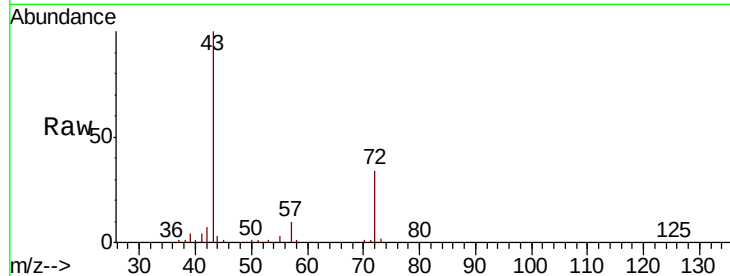




#34
2-Butanone
Concen: 1.311 ppbv
RT: 5.24 min Scan# 764
Delta R.T. -0.01 min
Lab File: VL035559.D
Acq: 8 Sep 2020 16:48

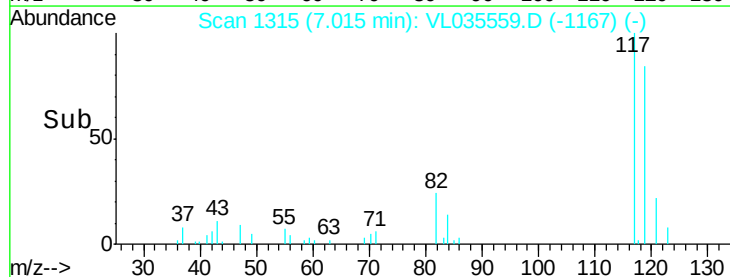
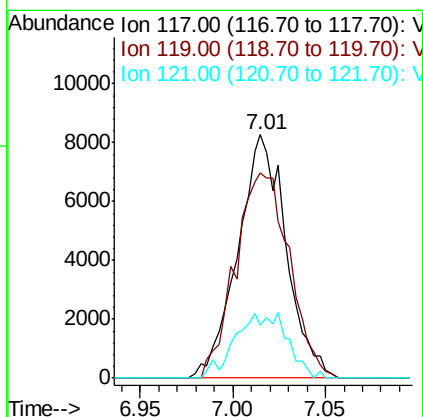
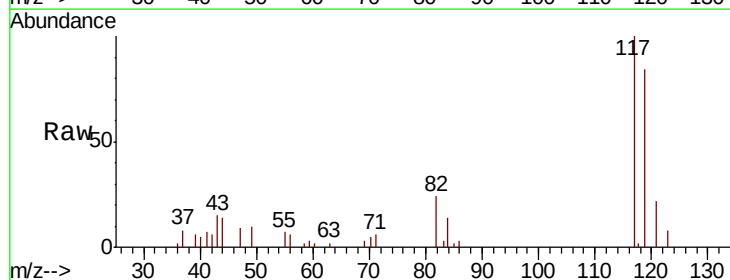
Instrument :
MSVOA_L
ClientSampleId :
02-WH

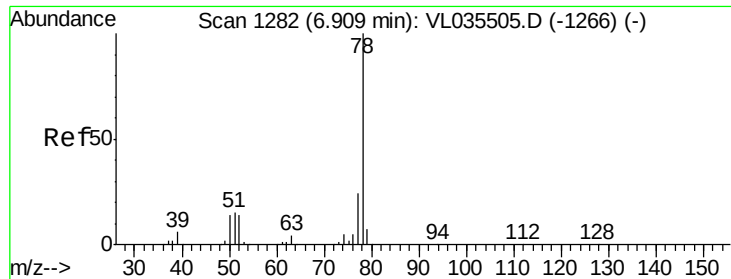
Tot Ion: 43 Resp: 167243
Ion Ratio Lower Upper
43 100
72 34.2 27.7 41.5



#35
Carbon Tetrachloride
Concen: 0.069 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.02 min
Lab File: VL035559.D
Acq: 8 Sep 2020 16:48

Tgt Ion: 117 Resp: 15019
Ion Ratio Lower Upper
117 100
119 82.4 77.2 115.8
121 21.3 26.1 39.1#

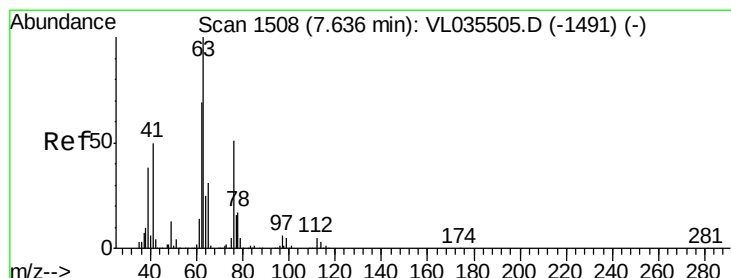
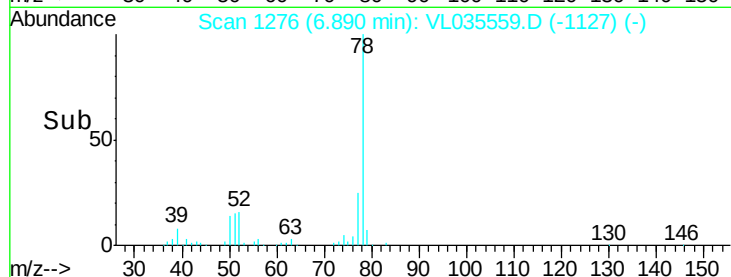
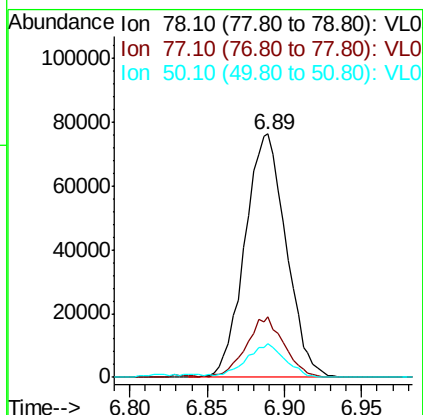
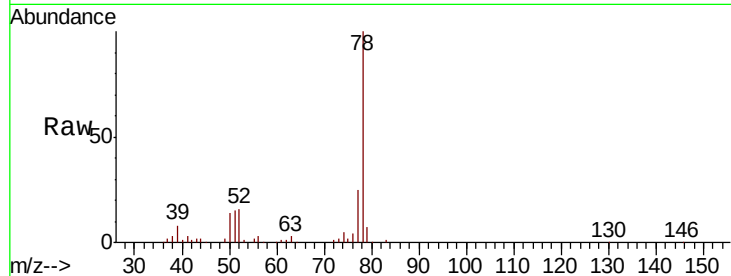




#36
Benzene
Concen: 0.508 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.02 min
Lab File: VL035559.D
Acq: 8 Sep 2020 16:48

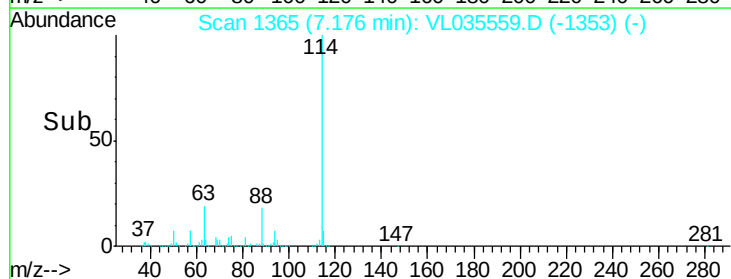
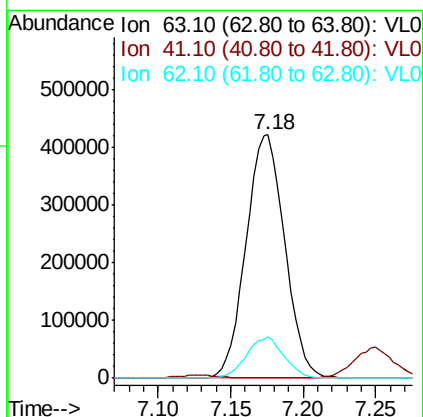
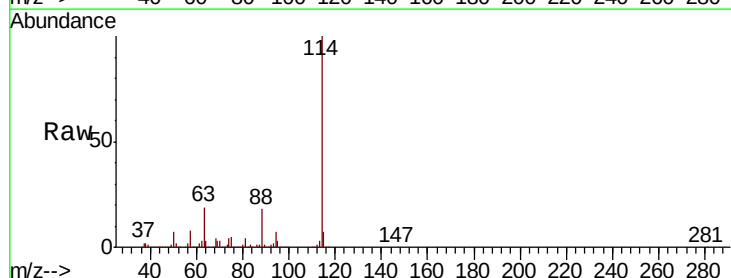
Instrument :
MSVOA_L
ClientSampleId :
02-WH

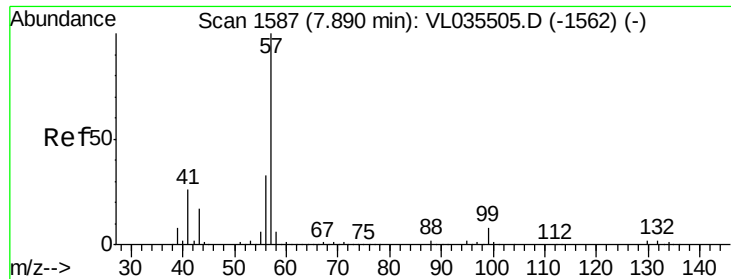
Tot Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.3	28.9
50	13.9	11.0	16.6



#39
1,2-Dichloropropane
Concen: 8.330 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.46 min
Lab File: VL035559.D
Acq: 8 Sep 2020 16:48

Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	40.0	60.0#
62	17.1	55.4	83.0#

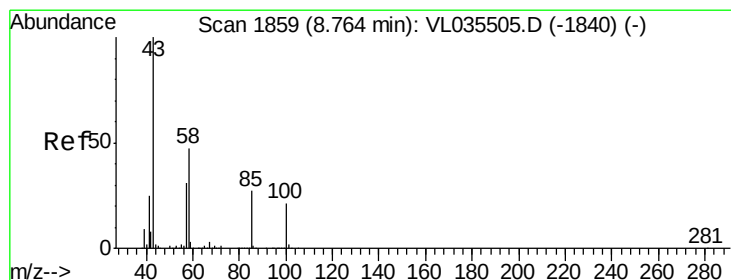
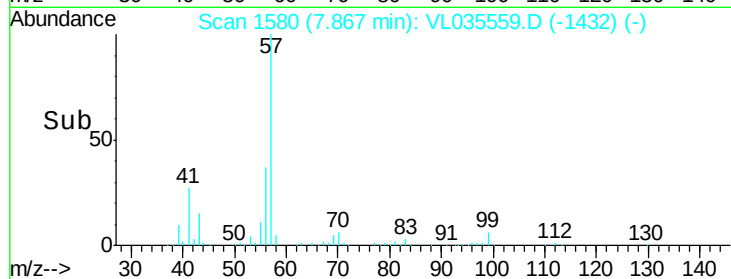
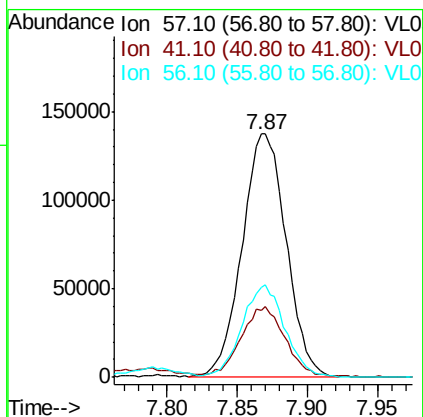
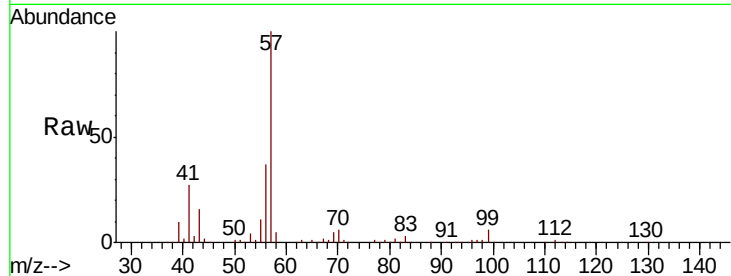




#44
 2,2,4-Trimethylpentane
 Concen: 0.813 ppbv
 RT: 7.87 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: VL035559.D
 Acq: 8 Sep 2020 16:48

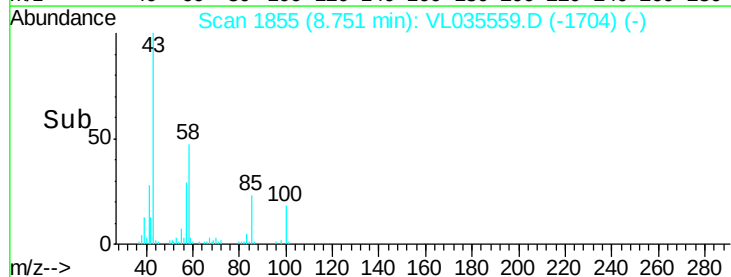
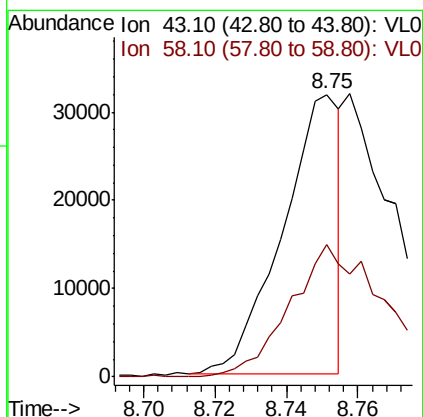
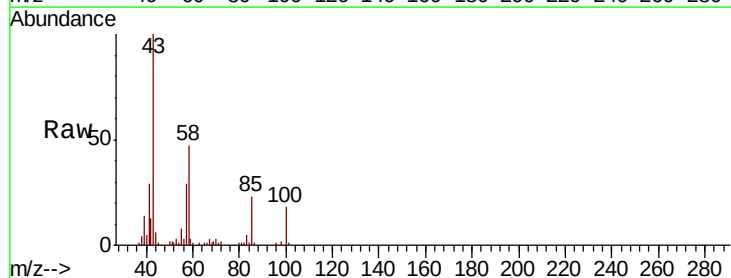
Instrument :
 MSVOA_L
 ClientSampleId :
 02-WH

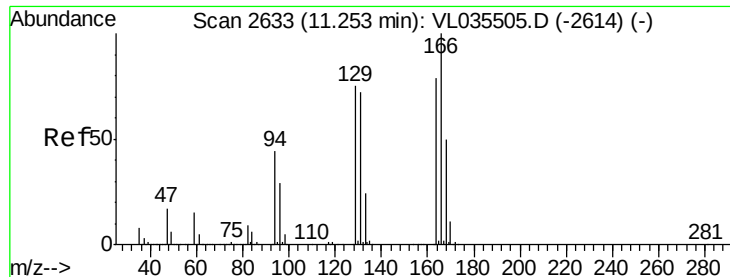
Tot Ion	57	Resp	297697
Ion Ratio	Lower	Upper	
57	100		
41	29.2	20.5	30.7
56	37.6	25.3	37.9



#50
 4-Methyl-2-Pentanone
 Concen: 0.190 ppbv
 RT: 8.75 min Scan# 1855
 Delta R.T. -0.01 min
 Lab File: VL035559.D
 Acq: 8 Sep 2020 16:48

Tgt Ion	43	Resp	35193
Ion Ratio	Lower	Upper	
43	100		
58	81.6	37.4	56.0#





#52

Tetrachloroethene

Concen: 0.078 ppbv

RT: 11.23 min Scan# 2625

Delta R.T. -0.03 min

Lab File: VL035559.D

Acq: 8 Sep 2020 16:48

Instrument :

MSVOA_L

ClientSampleId :

02-WH

Tot Ion:164 Resp: 12723

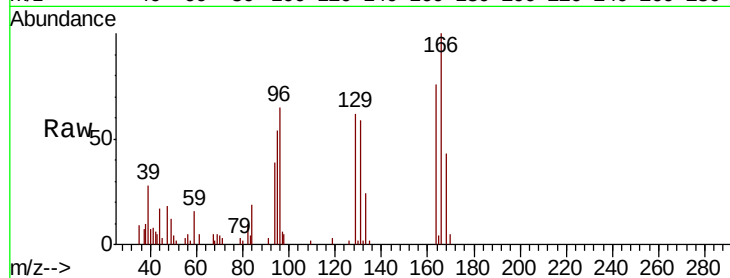
Ion Ratio Lower Upper

164 100

166 130.8 100.9 151.3

129 81.1 75.3 112.9

131 76.6 73.0 109.4

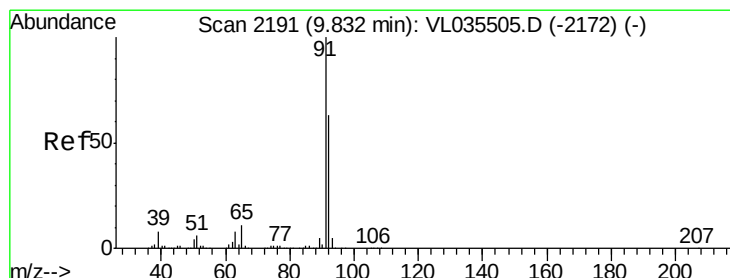
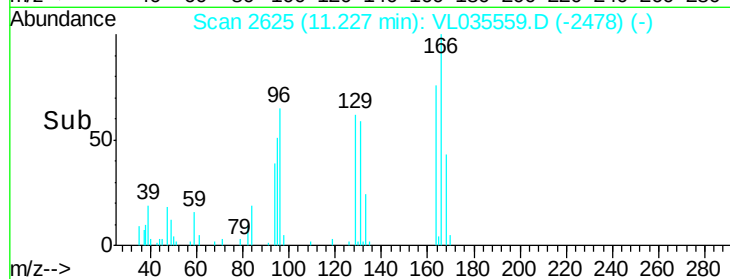
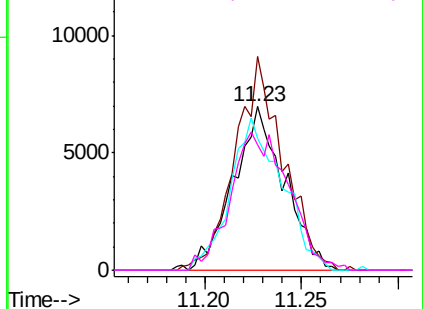


Abundance Ion 163.90 (163.60 to 164.60): V

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: 14.506 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.02 min

Lab File: VL035559.D

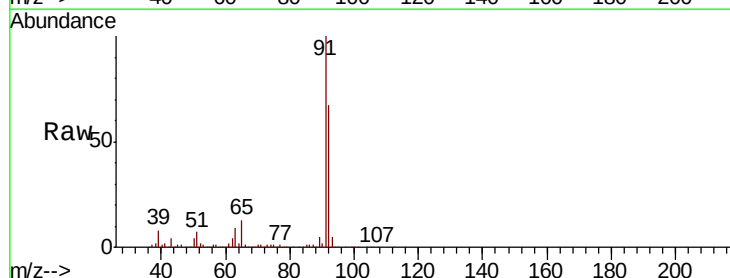
Acq: 8 Sep 2020 16:48

Tgt Ion: 91 Resp: 5077598

Ion Ratio Lower Upper

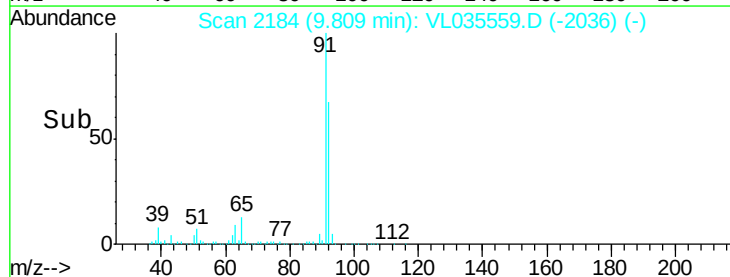
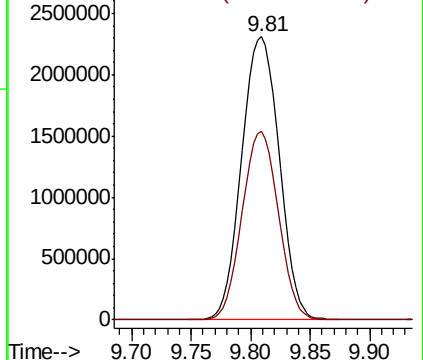
91 100

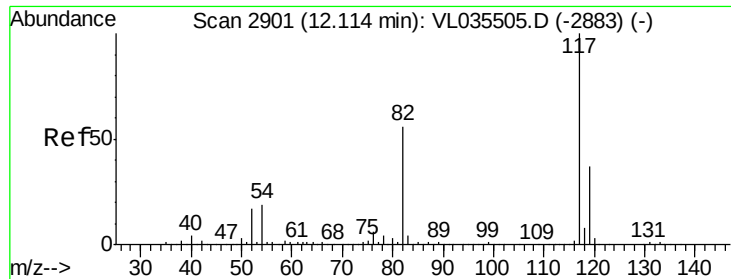
92 64.4 49.8 74.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

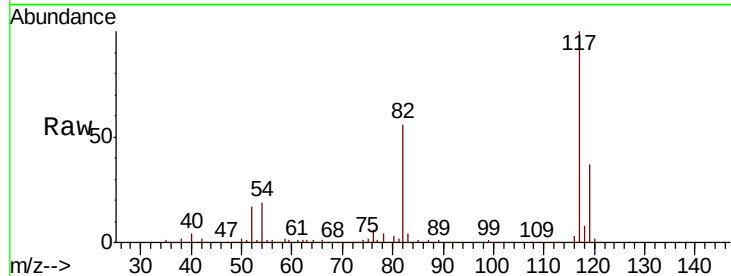




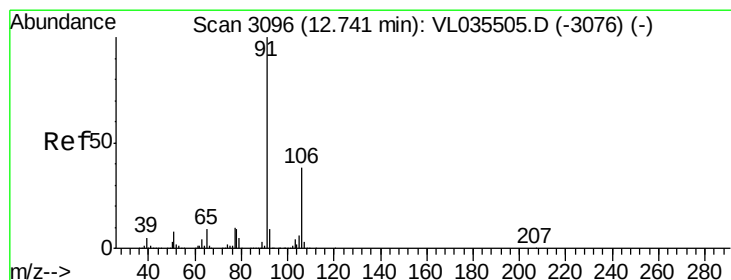
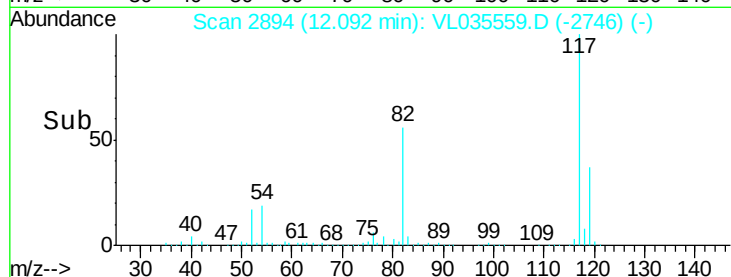
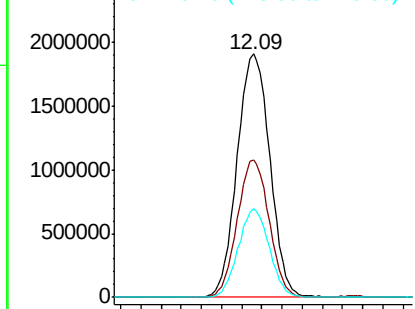
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.02 min
Lab File: VL035559.D
Acq: 8 Sep 2020 16:48

Instrument :
MSVOA_L
ClientSampleId :
02-WH

Tot Ion:117 Resp: 4302145
Ion Ratio Lower Upper
117 100
82 54.9 41.6 62.4
119 34.6 29.3 43.9

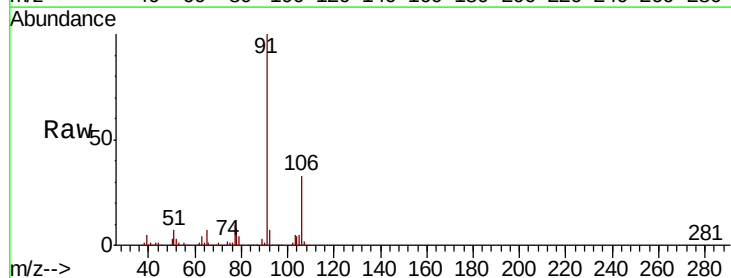


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

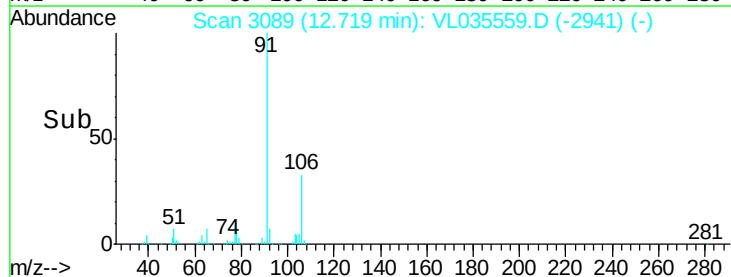
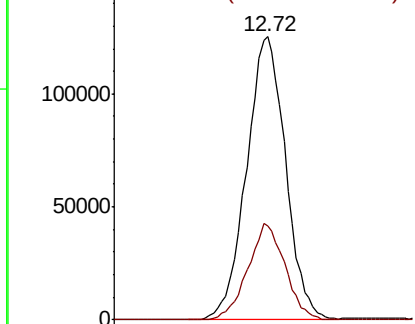


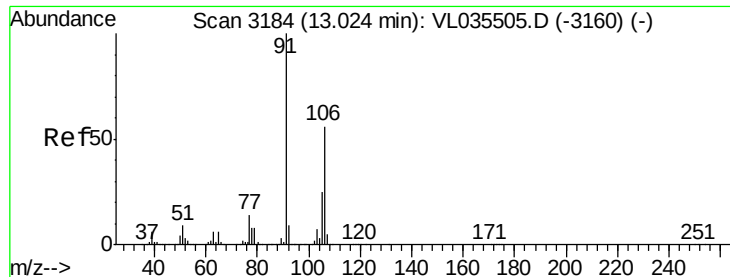
#58
Ethyl Benzene
Concen: 0.596 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. -0.02 min
Lab File: VL035559.D
Acq: 8 Sep 2020 16:48

Tgt Ion: 91 Resp: 264472
Ion Ratio Lower Upper
91 100
106 33.4 30.3 45.5



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

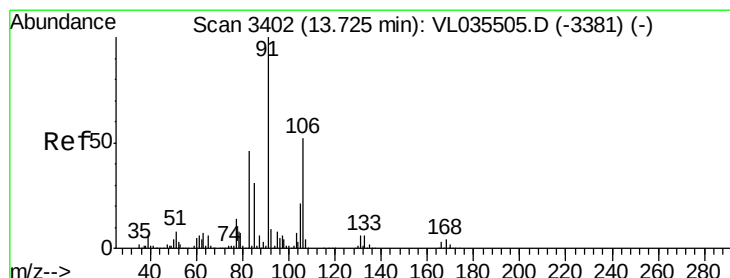
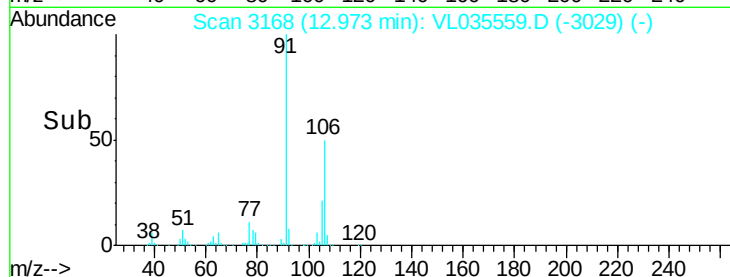
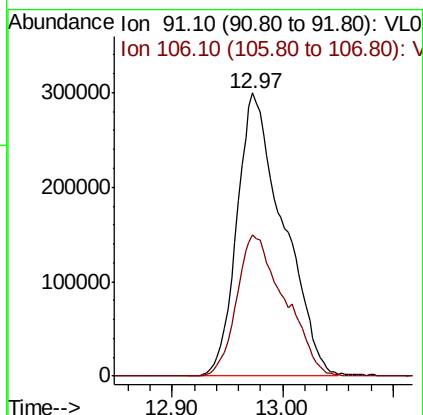
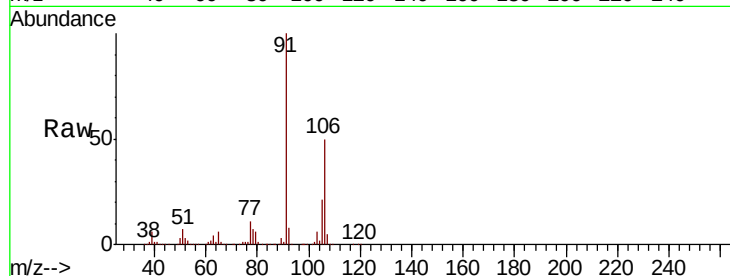




#59
m/p-Xylene
Concen: 2.344 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. -0.05 min
Lab File: VL035559.D
Acq: 8 Sep 2020 16:48

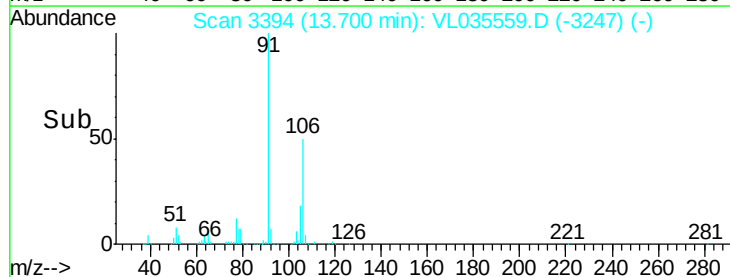
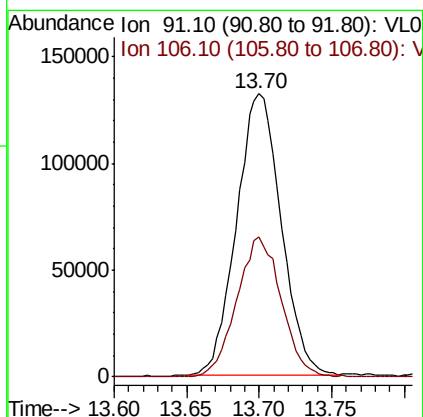
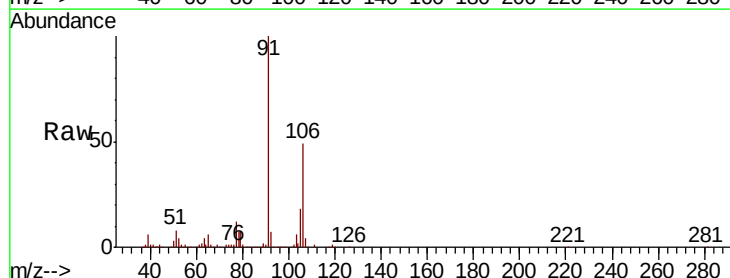
Instrument :
MSVOA_L
ClientSampleId :
02-WH

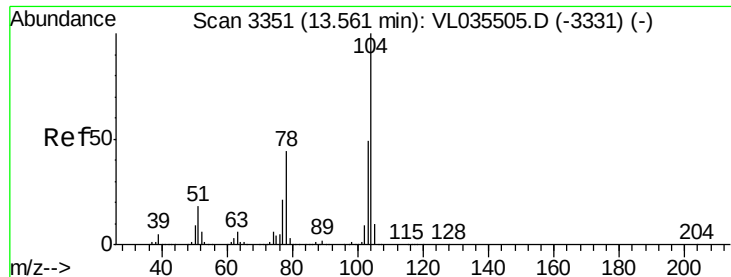
Tot Ion: 91 Resp: 868874
Ion Ratio Lower Upper
91 100
106 51.8 43.4 65.2



#60
o-Xylene
Concen: 0.757 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.03 min
Lab File: VL035559.D
Acq: 8 Sep 2020 16:48

Tgt Ion: 91 Resp: 282481
Ion Ratio Lower Upper
91 100
106 49.6 25.8 77.4





#61

Stvrene

Concen: 0.123 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. -0.02 min

Lab File: VL035559.D

Acq: 8 Sep 2020 16:48

Instrument :

MSVOA_L

ClientSampleId :

02-WH

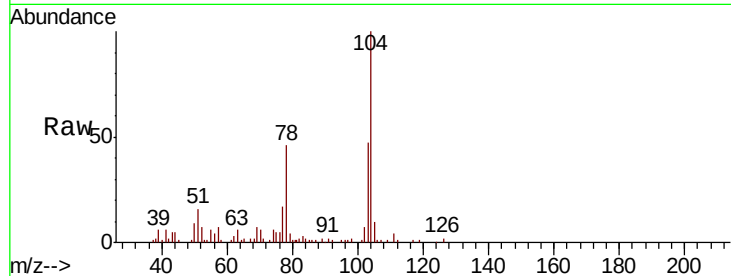
Tot Ion:104 Resp: 35165

Ion Ratio Lower Upper

104 100

78 91.9 34.8 52.2#

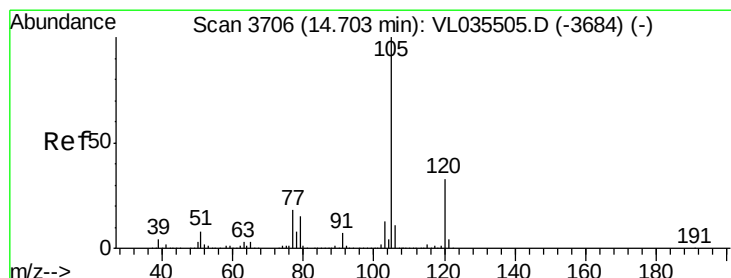
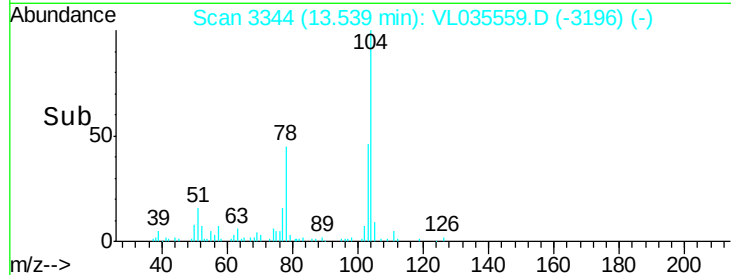
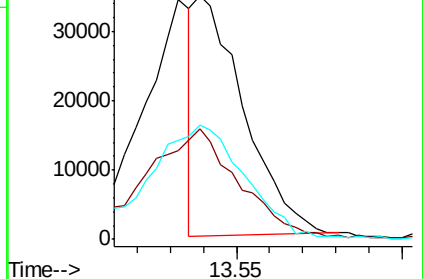
103 97.1 38.2 57.4#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.031 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. -0.02 min

Lab File: VL035559.D

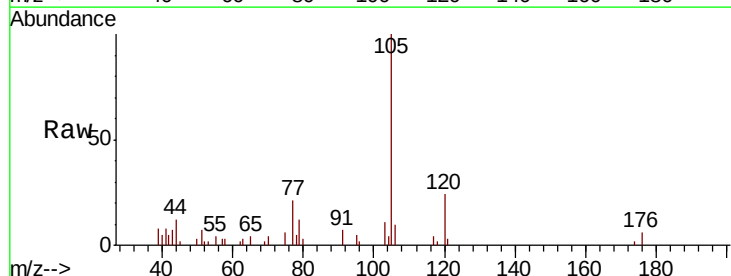
Acq: 8 Sep 2020 16:48

Tgt Ion:105 Resp: 18750

Ion Ratio Lower Upper

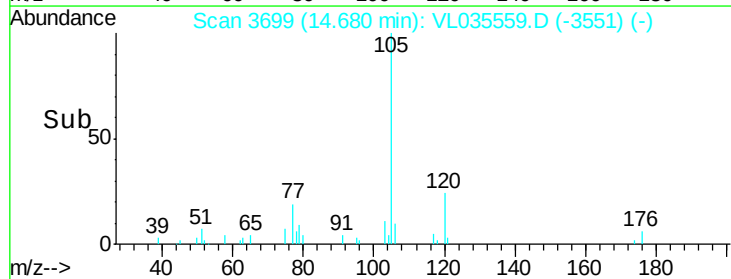
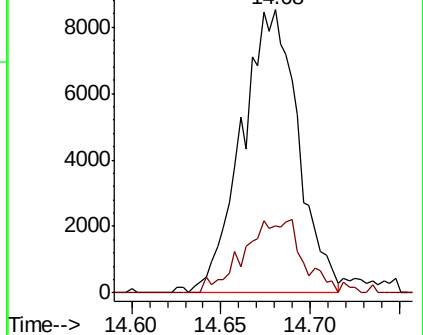
105 100

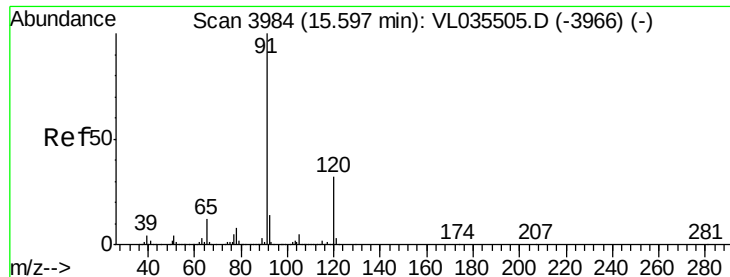
120 27.4 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

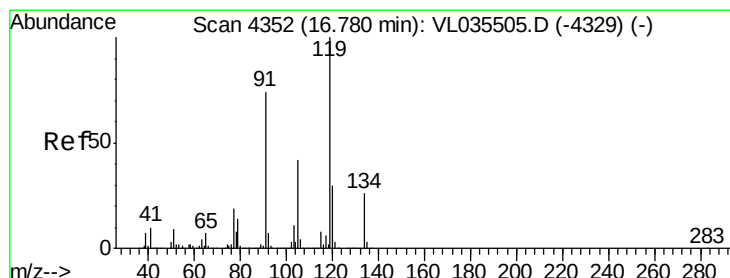
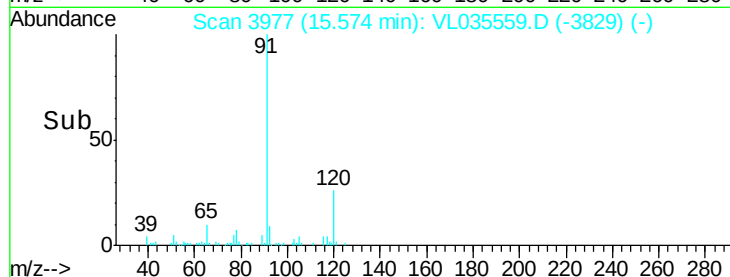
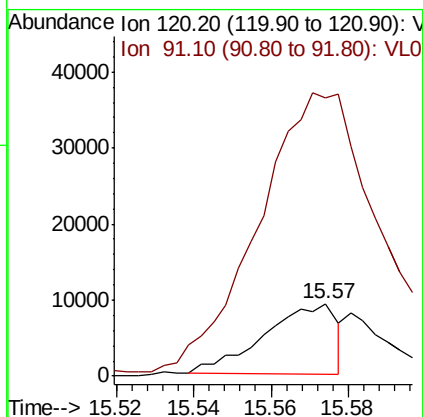
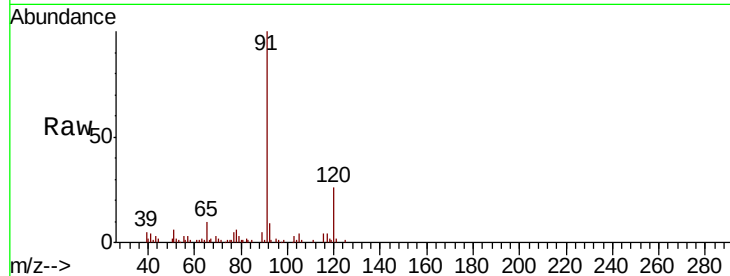




#64
n-propylbenzene
Concen: 0.065 ppbv
RT: 15.57 min Scan# 3977
Delta R.T. -0.02 min
Lab File: VL035559.D
Acq: 8 Sep 2020 16:48

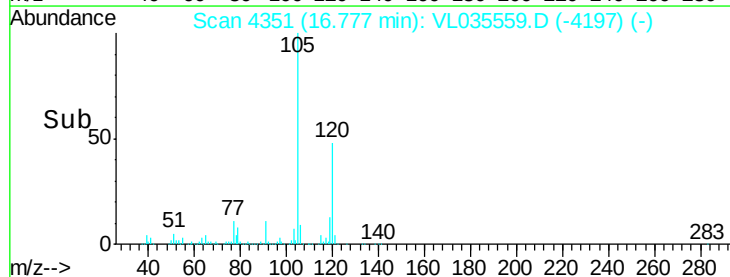
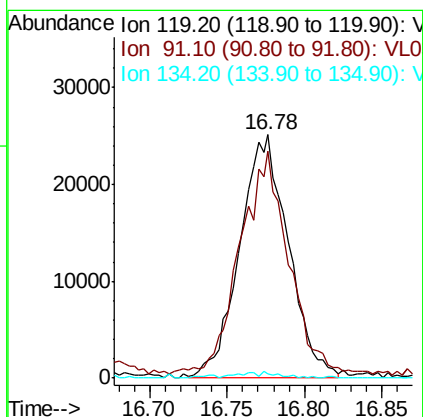
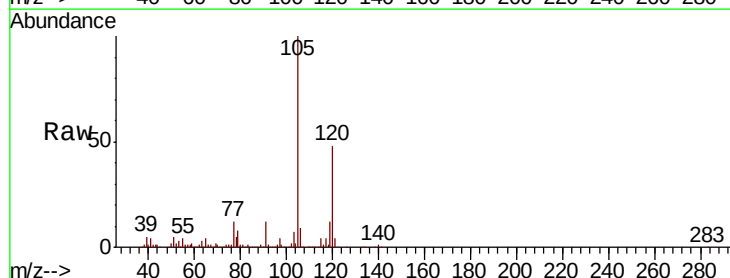
Instrument :
MSVOA_L
ClientSampleId :
02-WH

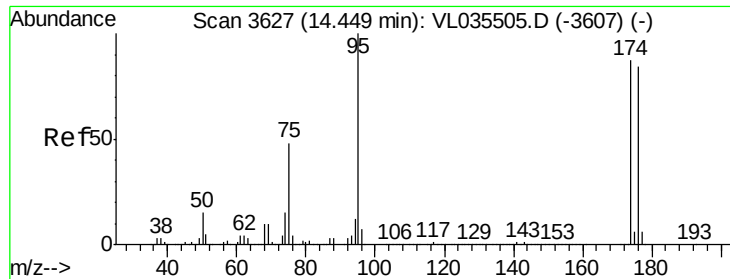
Tot Ion:120 Resp: 11944
Ion Ratio Lower Upper
120 100
91 683.6 279.4 419.0#



#65
tert-Butylbenzene
Concen: 0.099 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL035559.D
Acq: 8 Sep 2020 16:48

Tgt Ion:119 Resp: 54931
Ion Ratio Lower Upper
119 100
91 94.7 58.6 87.8#
134 1.3 18.9 28.3#

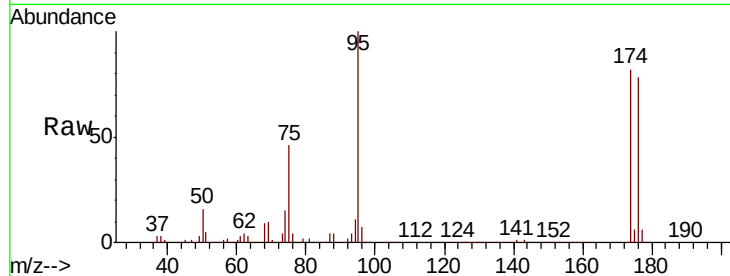




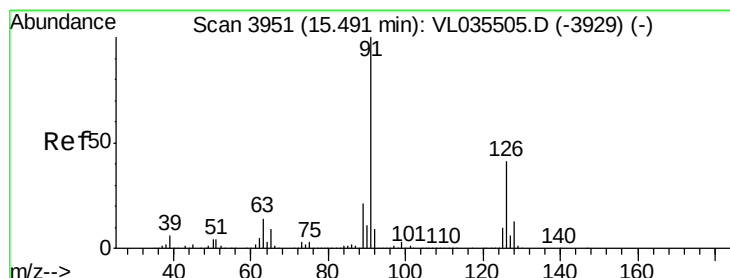
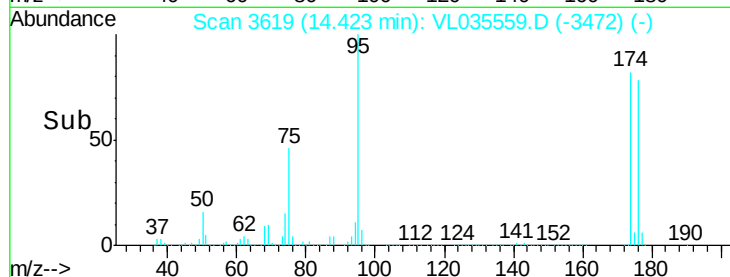
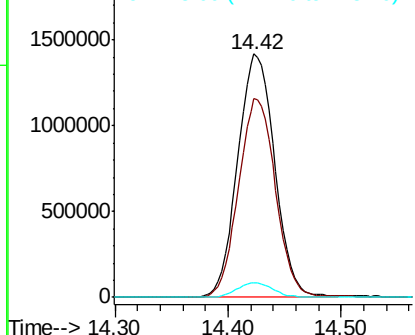
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.582 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. -0.03 min
 Lab File: VL035559.D
 Acq: 8 Sep 2020 16:48

Instrument :
 MSVOA_L
 ClientSampleId :
 02-WH

Tot Ion: 95 Resp: 3232898
 Ion Ratio Lower Upper
 95 100
 174 82.4 69.6 104.4
 175 5.9 5.1 7.7

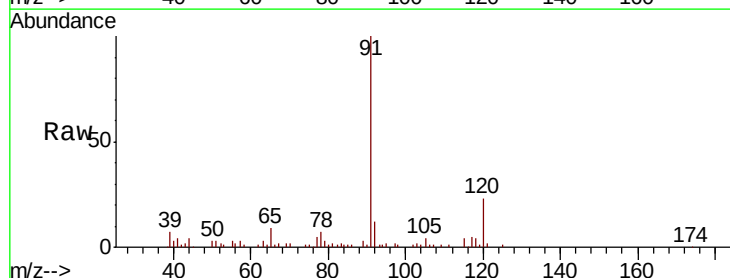


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

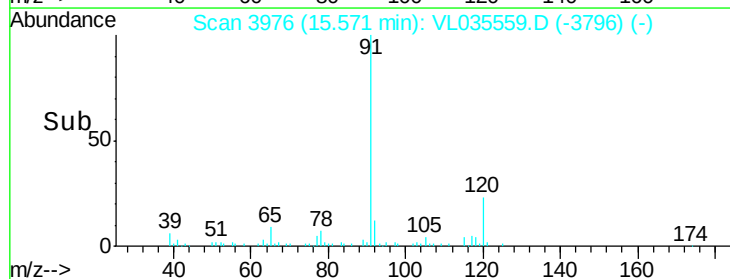
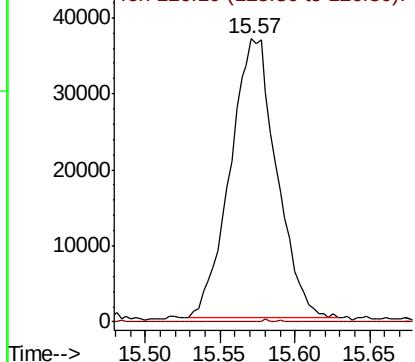


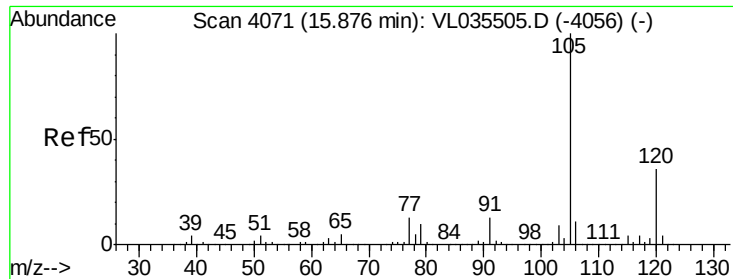
#71
 2-Chlorotoluene
 Concen: 0.183 ppbv
 RT: 15.57 min Scan# 3976
 Delta R.T. 0.08 min
 Lab File: VL035559.D
 Acq: 8 Sep 2020 16:48

Tgt Ion: 91 Resp: 79798
 Ion Ratio Lower Upper
 91 100
 126 0.2 15.6 62.6#



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 0.252 ppbv

RT: 15.85 min Scan# 4063

Delta R.T. -0.03 min

Lab File: VL035559.D

Acq: 8 Sep 2020 16:48

Instrument :

MSVOA_L

ClientSampleId :

02-WH

Tot Ion:105 Resp: 119583

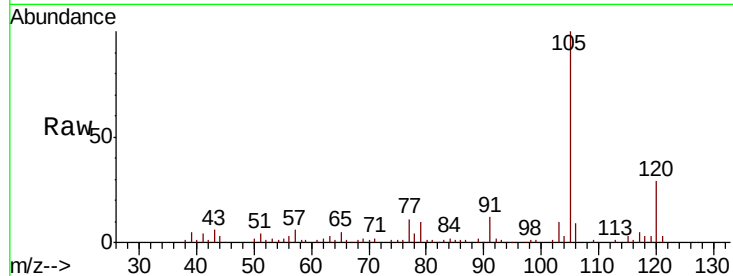
Ion Ratio Lower Upper

105 100

120 31.3 27.4 41.2

91 14.8 9.7 14.5#

77 13.5 9.6 14.4

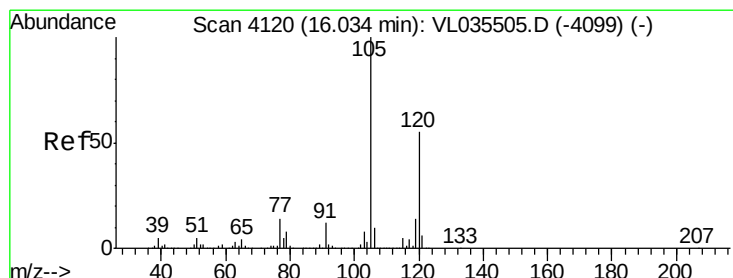
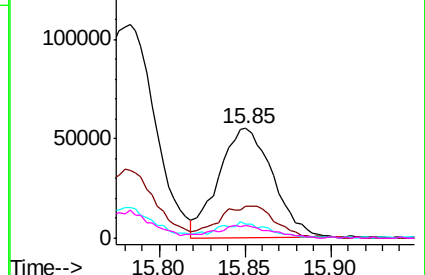
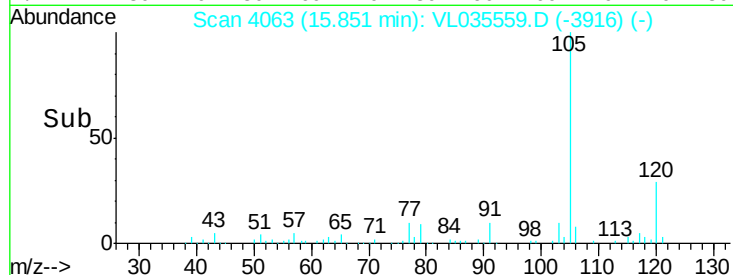


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.267 ppbv

RT: 16.01 min Scan# 4113

Delta R.T. -0.02 min

Lab File: VL035559.D

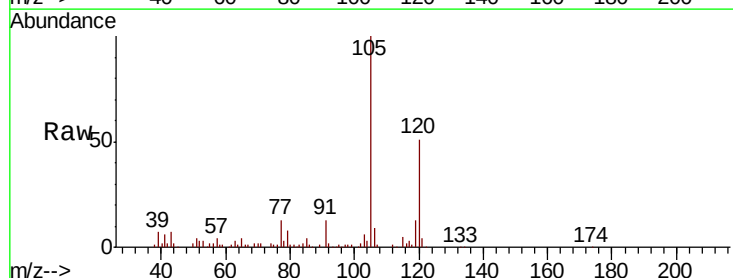
Acq: 8 Sep 2020 16:48

Tgt Ion:105 Resp: 117284

Ion Ratio Lower Upper

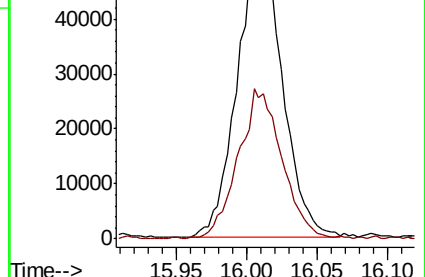
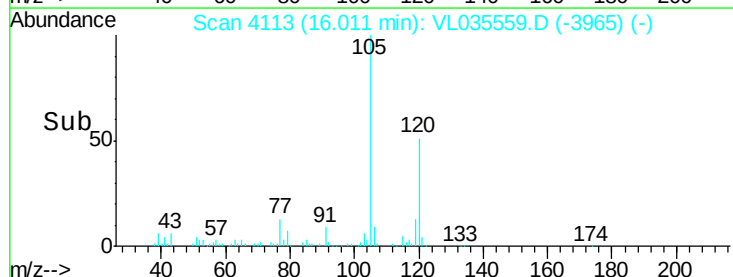
105 100

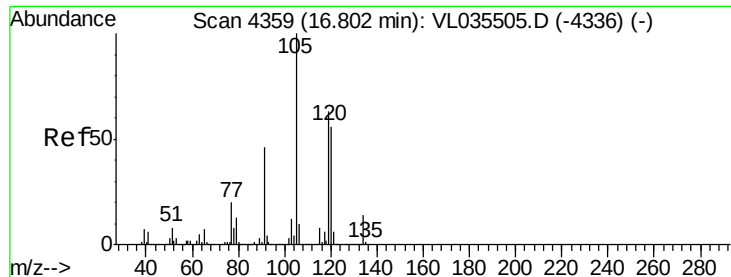
120 51.1 44.2 66.2



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: 0.935 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. -0.03 min

Lab File: VL035559.D

Acq: 8 Sep 2020 16:48

Instrument :

MSVOA_L

ClientSampleId :

02-WH

Tot Ion:105 Resp: 450716

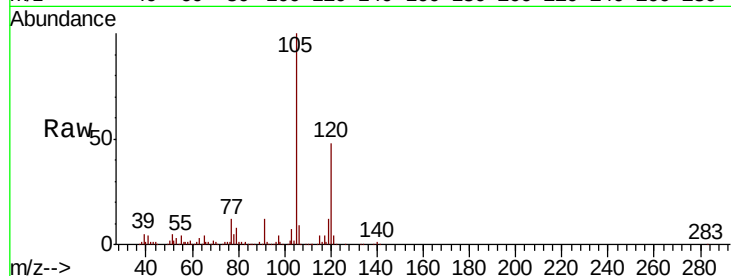
Ion Ratio Lower Upper

105 100

120 47.9 44.4 66.6

91 11.3 37.1 55.7#

77 11.4 16.0 24.0#

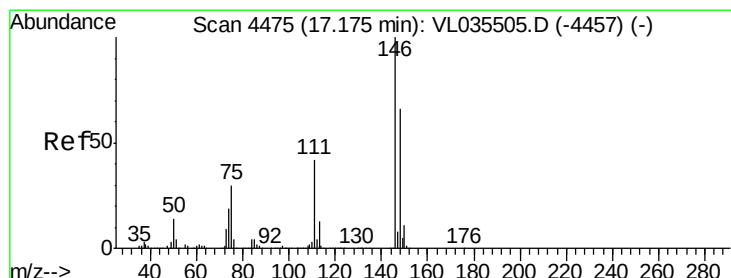
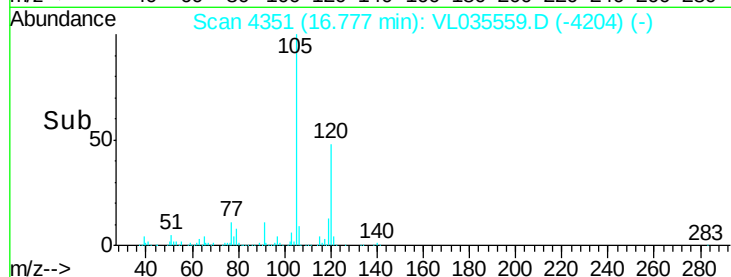
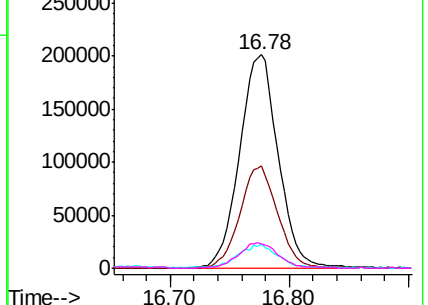


Abundance Ion 105.10 (104.80 to 105.80): V

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



#76

1,4-Dichlorobenzene

Concen: 0.049 ppbv

RT: 17.15 min Scan# 4466

Delta R.T. -0.03 min

Lab File: VL035559.D

Acq: 8 Sep 2020 16:48

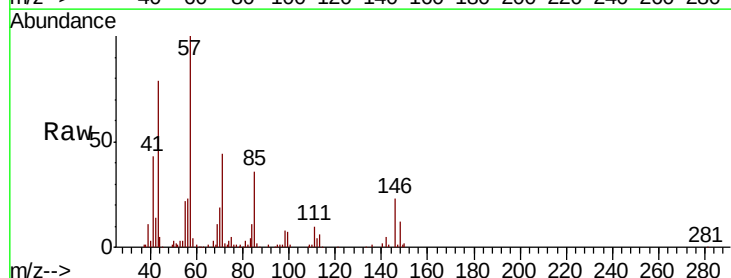
Tgt Ion:146 Resp: 17190

Ion Ratio Lower Upper

146 100

111 94.1 20.0 60.0#

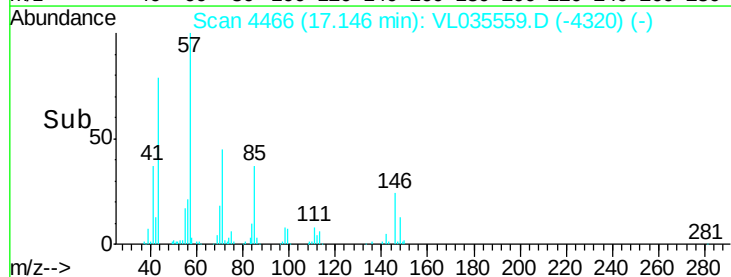
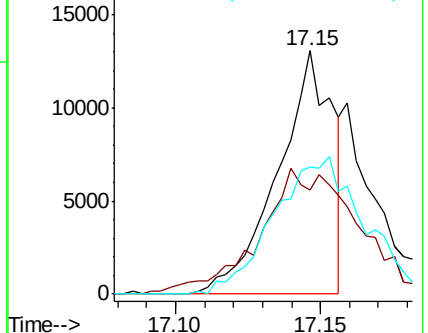
148 0.0 33.2 99.6#

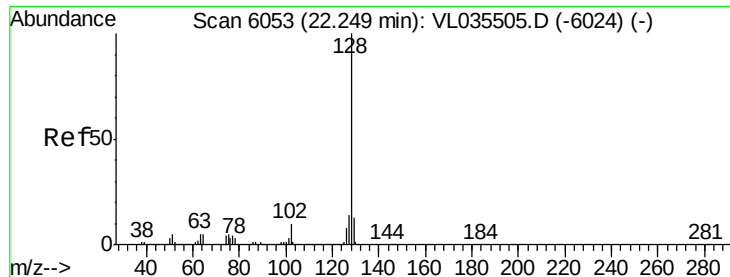


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#79

Naphthalene

Concen: 0.103 ppbv

RT: 22.22 min Scan# 6045

Delta R.T. -0.03 min

Lab File: VL035559.D

Acq: 8 Sep 2020 16:48

Instrument :

MSVOA_L

ClientSampleId :

02-WH

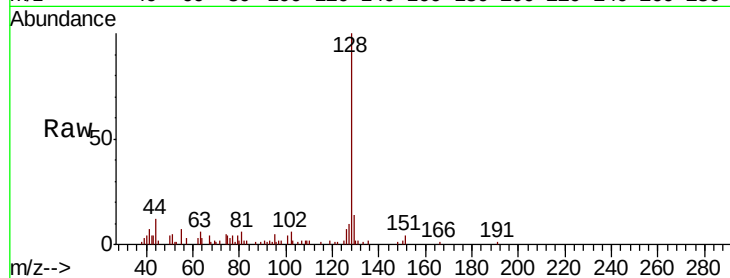
Tot Ion:128 Resp: 54866

Ion Ratio Lower Upper

128 100

127 9.7 11.4 17.2#

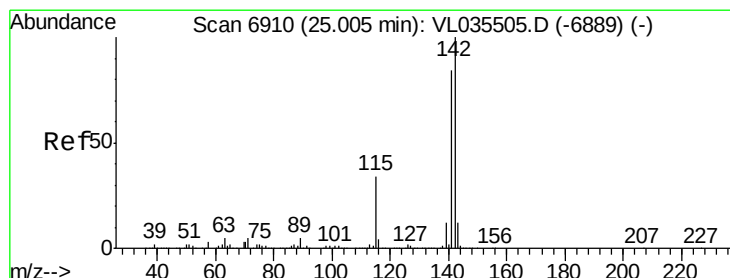
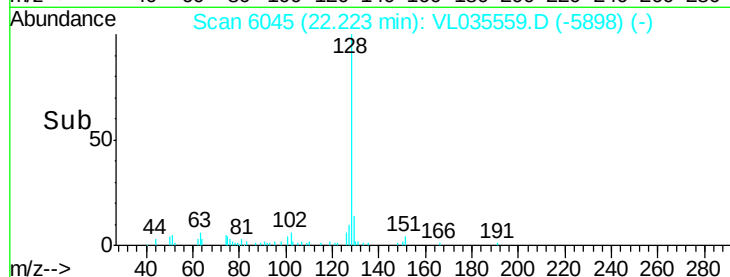
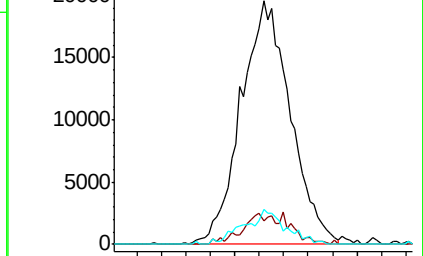
129 14.1 10.5 15.7



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.046 ppbv

RT: 24.99 min Scan# 6907

Delta R.T. -0.01 min

Lab File: VL035559.D

Acq: 8 Sep 2020 16:48

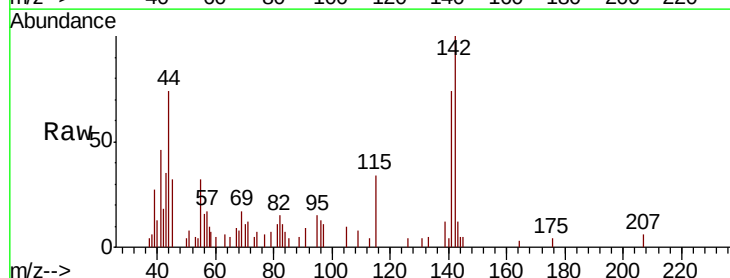
Tgt Ion:142 Resp: 8436

Ion Ratio Lower Upper

142 100

141 94.1 67.6 101.4

115 48.2 25.8 38.8#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

