

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090320\
 Data File : VL035544.D
 Acq On : 3 Sep 2020 23:51
 Operator : SY/AP
 Sample : L3898-06
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-6

Quant Time: Sep 04 06:49:06 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	5.69	49	1011059	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4396351	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4421560	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	3255744	10.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	75416	0.430	ppbv 97
3) Chlorodifluoromethane	2.97	51	494602	4.423	ppbv # 68
4) Chloromethane	3.15	50	33188	0.554	ppbv 90
9) Propene	3.03	41	164456	3.815	ppbv # 68
10) Heptane	8.15	43	36136	0.312	ppbv 99
11) Trichlorofluoromethane	3.96	101	2071398	8.107	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	15167	0.079	ppbv 98
13) Ethanol	3.63	45	1154097	107.975	ppbv 97
15) Acetone	3.86	43	7789839	69.858	ppbv # 79
16) 1,3-Butadiene	3.32	39	19965	0.481	ppbv # 23
17) tert-Butyl alcohol	4.32	59	390813	2.879	ppbv # 88
19) Isopropyl Alcohol	3.99	45	1144186	17.200	ppbv # 93
20) Methylene Chloride	4.36	84	2374317	28.588	ppbv 96
21) Allyl Chloride	4.36	41	43539	0.833	ppbv # 29
23) Vinyl Acetate	5.09	43	84322	0.589	ppbv # 52
25) Ethyl Acetate	5.71	43	643141	3.265	ppbv # 76
26) Hexane	5.71	57	1073768	9.620	ppbv # 50
27) Carbon Disulfide	4.56	76	9304	0.058	ppbv # 79
29) Chloroform	5.78	83	127730	0.562	ppbv 95
30) Cyclohexane	7.15	84	39079	0.327	ppbv 94
32) 1,1,1-Trichloroethane	6.54	97	7639	0.035	ppbv 92
34) 2-Butanone	5.27	43	133023	1.020	ppbv 98
36) Benzene	6.92	78	129971	0.457	ppbv 96
37) 1,2-Dichloroethane	6.34	62	7518	0.055	ppbv # 39
39) 1,2-Dichloropropane	7.20	63	803606	8.359	ppbv # 32
41) Tetrahydrofuran	6.35	42	11479	0.166	ppbv # 21
44) 2,2,4-Trimethylpentane	7.90	57	182348	0.487	ppbv # 89
50) 4-Methyl-2-Pentanone	8.79	43	36057	0.191	ppbv 93
51) 2-Hexanone	10.19	43	9179	0.059	ppbv # 80
52) Tetrachloroethene	11.25	164	12778	0.077	ppbv 91
53) Toluene	9.84	91	1117972	3.124	ppbv 98
58) Ethyl Benzene	12.75	91	111806	0.245	ppbv 93
59) m/p-Xylene	13.04	91	39473	0.104	ppbv # 24
60) o-Xylene	13.73	91	134477	0.350	ppbv 95
61) Styrene	13.57	104	11757	0.040	ppbv # 24
62) Isopropylbenzene	14.70	105	37374	0.061	ppbv 93
64) n-propylbenzene	15.61	120	8638	0.046	ppbv # 1
65) tert-Butylbenzene	16.80	119	72341	0.126	ppbv # 77
66) Benzyl Chloride	17.25	91	5918	0.042	ppbv # 59
69) p-Isopropyltoluene	17.70	119	76414	0.114	ppbv 91
70) n-Butylbenzene	18.61	91	101439	0.157	ppbv # 7

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090320\
Data File : VL035544.D
Acq On : 3 Sep 2020 23:51
Operator : SY/AP
Sample : L3898-06
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-6

Quant Time: Sep 04 06:49:06 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

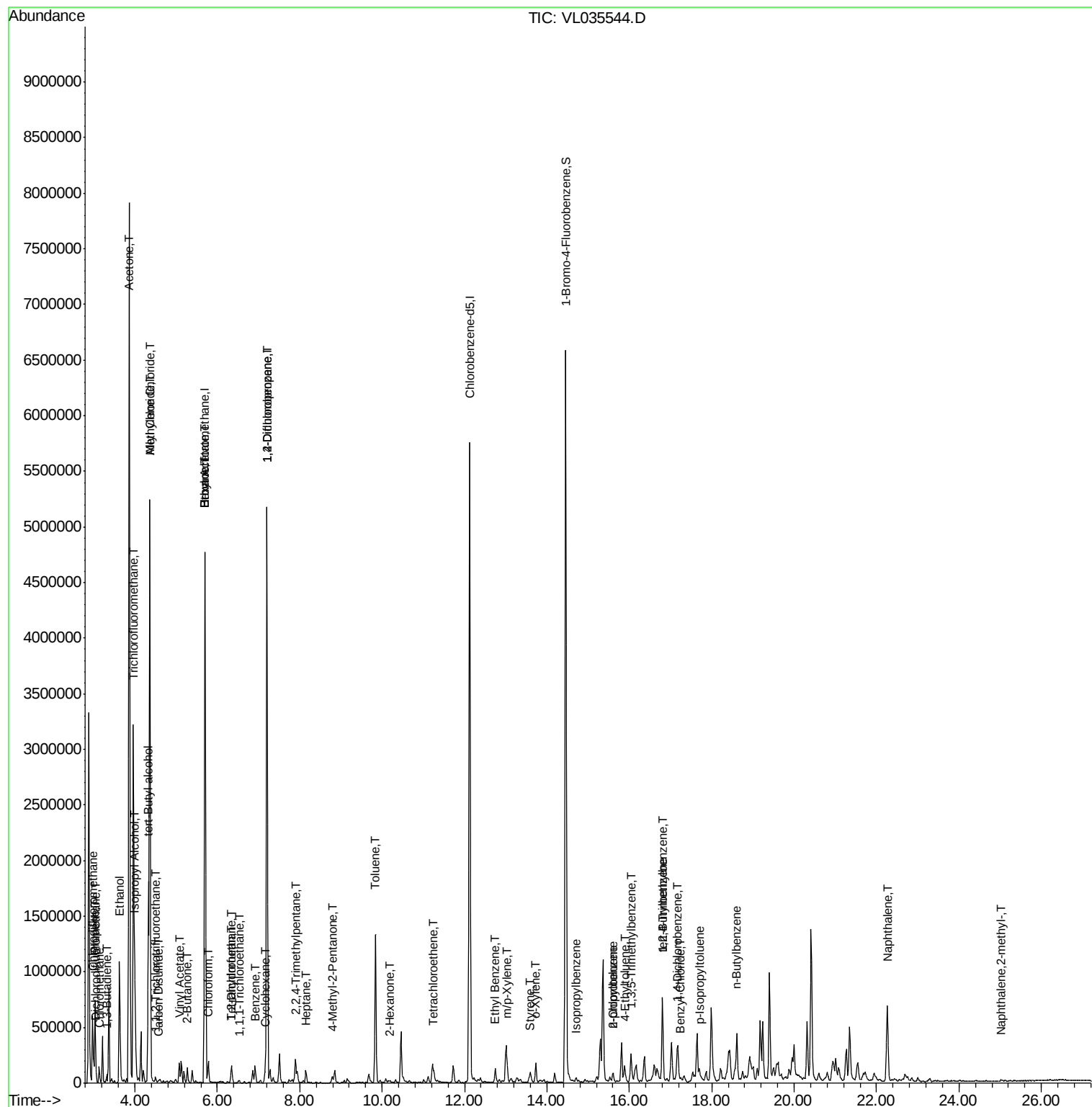
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2-Chlorotoluene	15.61	91	79983	0.178	ppbv #	37
72) 4-Ethyltoluene	15.88	105	104870	0.215	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.04	105	197235	0.437	ppbv	91
74) 1,2,4-Trimethylbenzene	16.81	105	594384	1.200	ppbv #	72
76) 1,4-Dichlorobenzene	17.18	146	131653	0.364	ppbv	95
79) Naphthalene	22.26	128	991103	1.803	ppbv	94
80) Naphthalene,2-methyl-	25.02	142	11206	0.060	ppbv	95

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL090320\
Data File : VL035544.D
Acq On : 3 Sep 2020 23:51
Operator : SY/AP
Sample : L3898-06
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-6

Quant Time: Sep 04 06:49:06 2020
Quant Method : Z:\V0ASRV\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

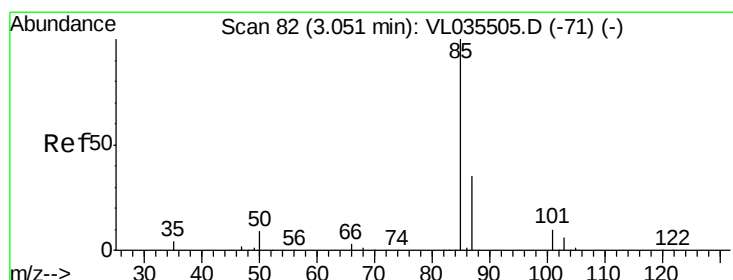
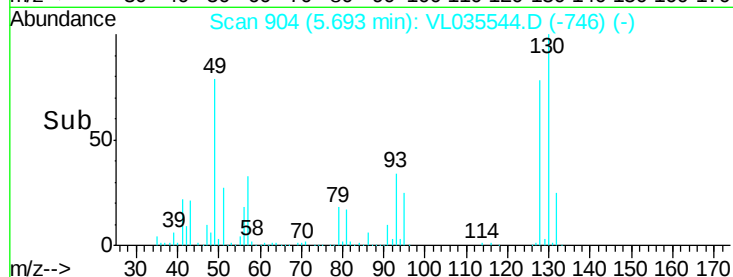
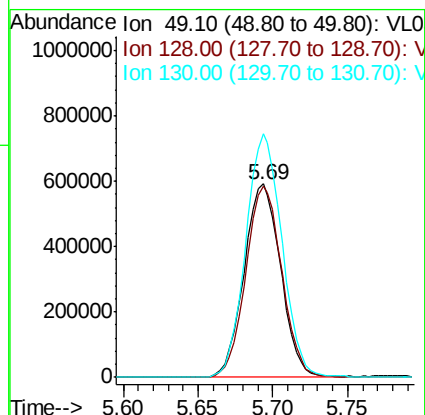
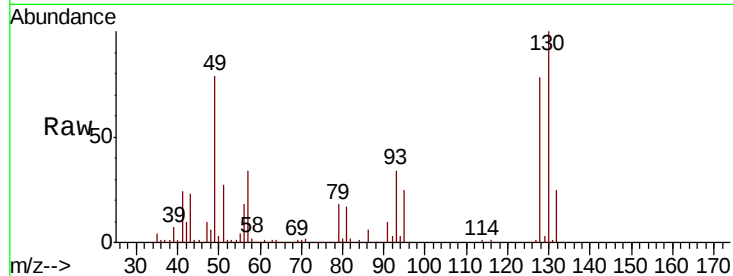




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

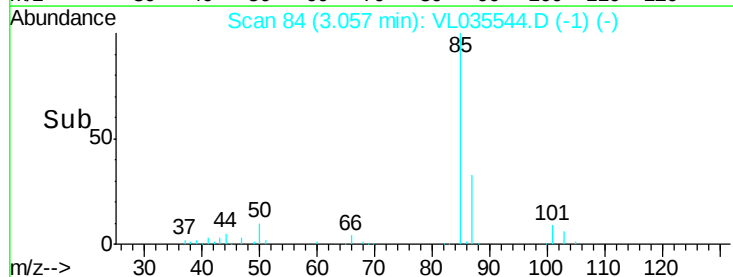
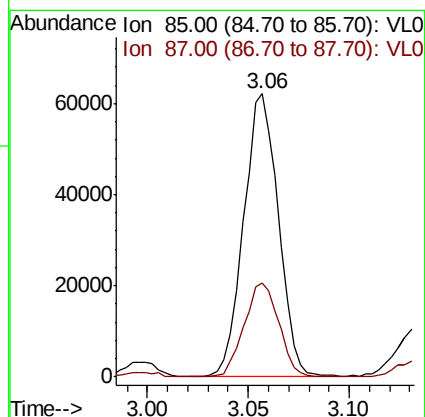
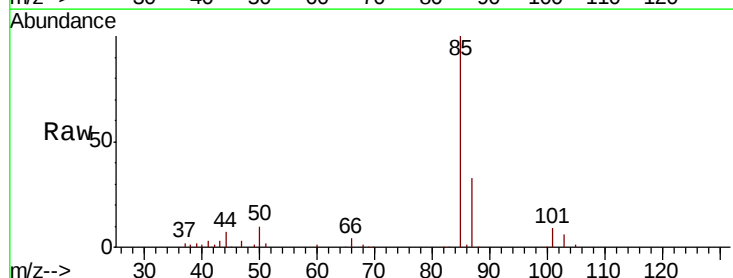
Instrument :
MSVOA_L
ClientSampled :
IA-6

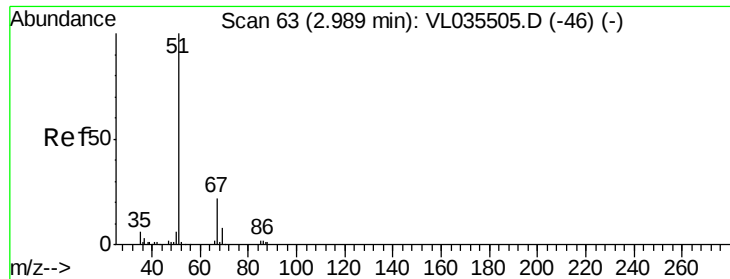
Tot Ion: 49 Resp: 1011059
Ion Ratio Lower Upper
49 100
128 97.6 50.0 150.1
130 124.8 64.4 193.2



#2
Dichlorodifluoromethane
Concen: 0.430 ppbv
RT: 3.06 min Scan# 84
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Tgt Ion: 85 Resp: 75416
Ion Ratio Lower Upper
85 100
87 33.2 28.0 42.0

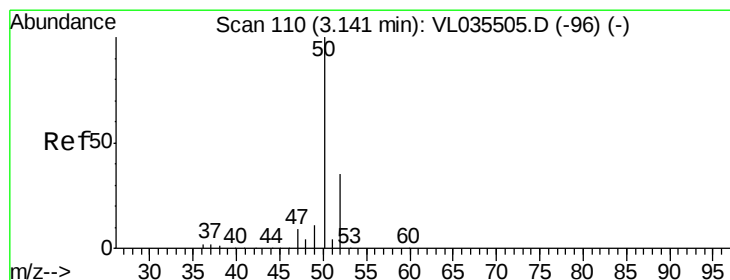
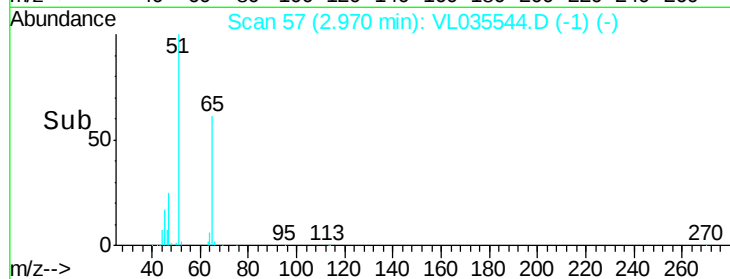
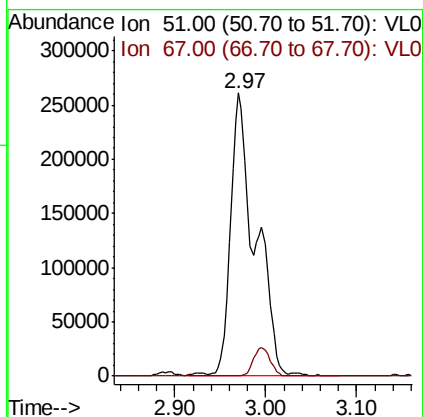
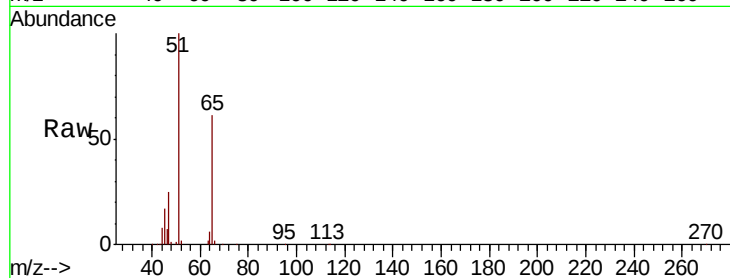




#3
Chlorodifluoromethane
Concen: 4.423 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.02 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

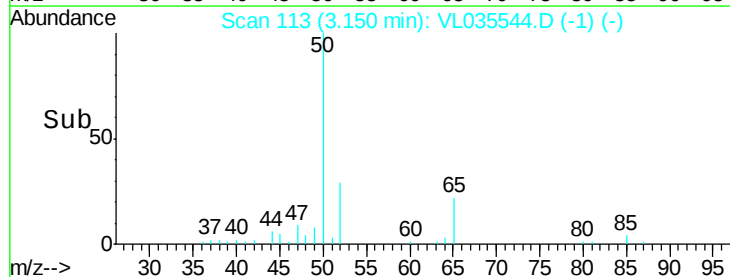
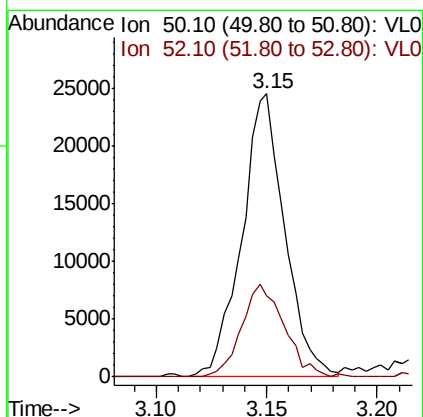
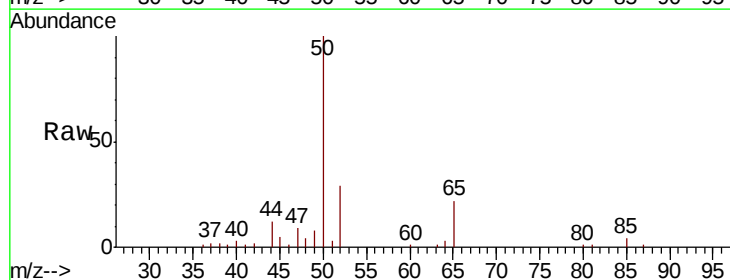
Instrument :
MSVOA_L
ClientSampleId :
IA-6

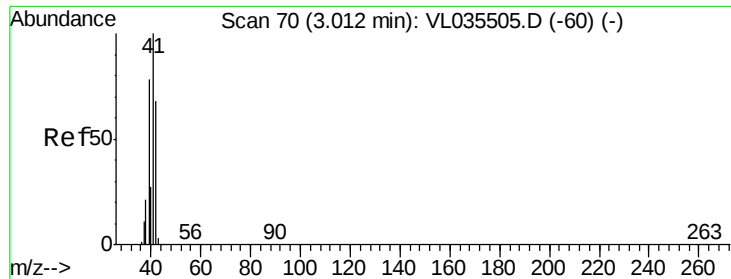
Tot Ion: 51 Resp: 494602
Ion Ratio Lower Upper
51 100
67 7.0 17.8 26.8#



#4
Chloromethane
Concen: 0.554 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Tgt Ion: 50 Resp: 33188
Ion Ratio Lower Upper
50 100
52 28.8 27.7 41.5





#9

Propene

Concen: 3.815 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.02 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Instrument :

MSVOA_L

ClientSampleId :

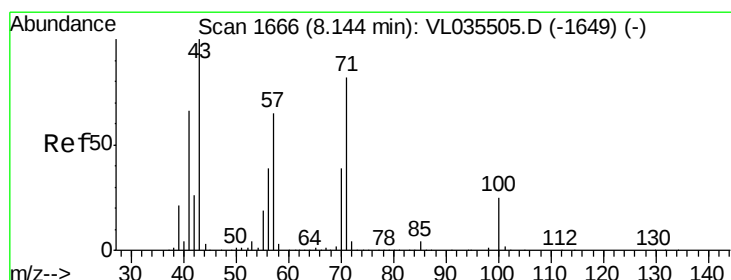
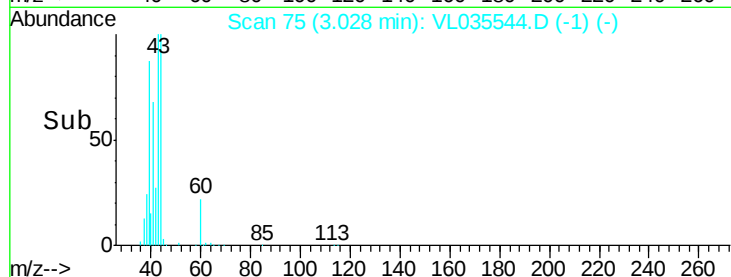
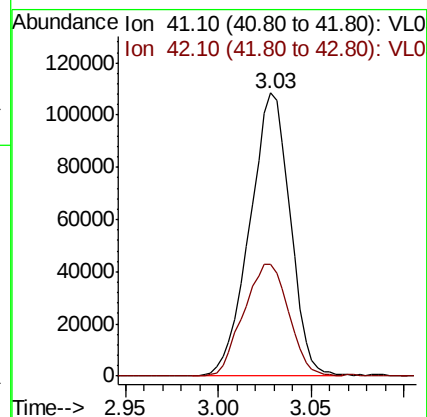
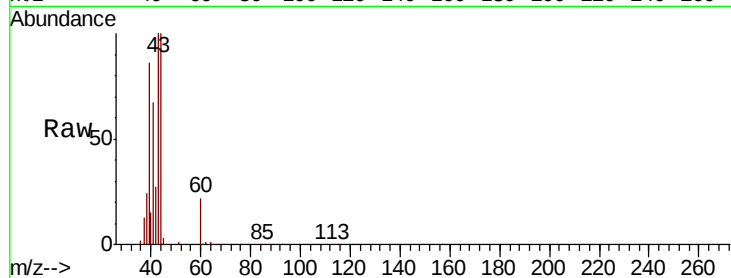
IA-6

Tot Ion: 41 Resp: 164456

Ion Ratio Lower Upper

41 100

42 44.4 56.3 84.5#



#10

Heptane

Concen: 0.312 ppbv

RT: 8.15 min Scan# 1669

Delta R.T. 0.01 min

Lab File: VL035544.D

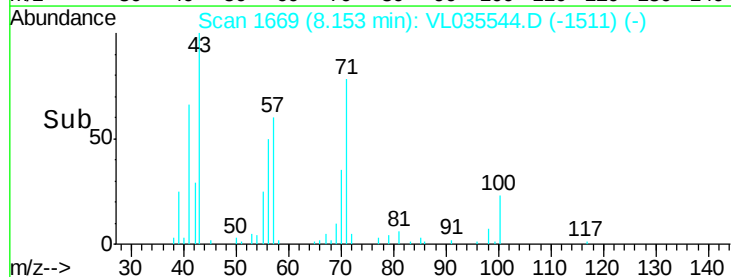
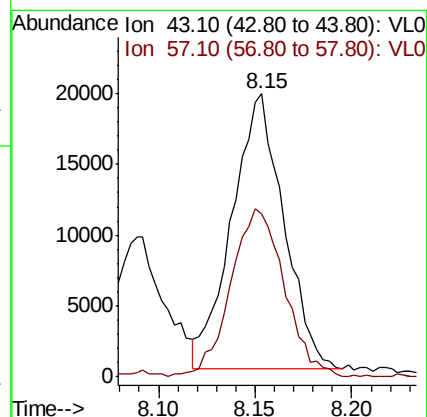
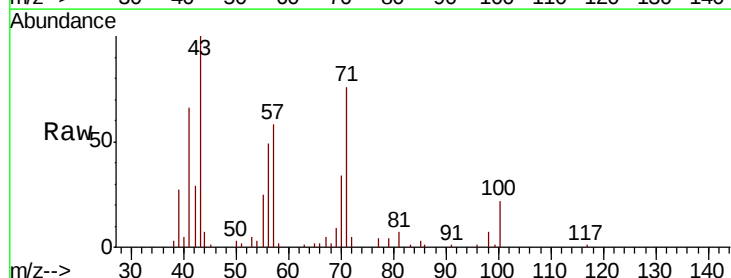
Acq: 3 Sep 2020 23:51

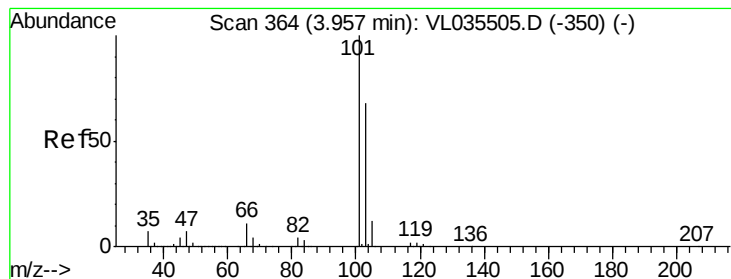
Tgt Ion: 43 Resp: 36136

Ion Ratio Lower Upper

43 100

57 63.6 51.4 77.0





#11

Trichlorofluoromethane

Concen: 8.107 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Instrument :

MSVOA_L

ClientSampleId :

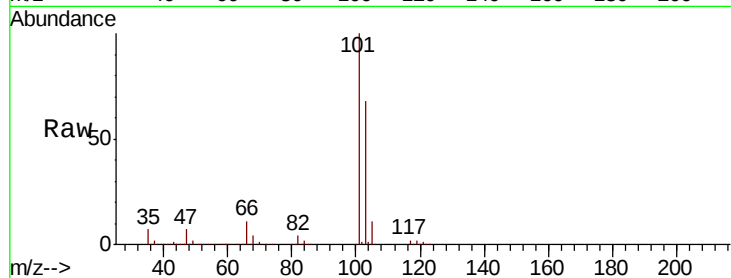
IA-6

Tot Ion:101 Resp: 2071398

Ion Ratio Lower Upper

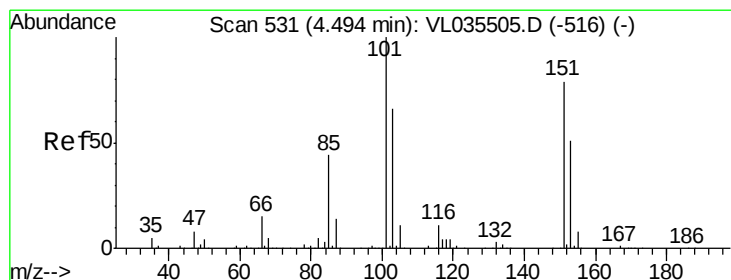
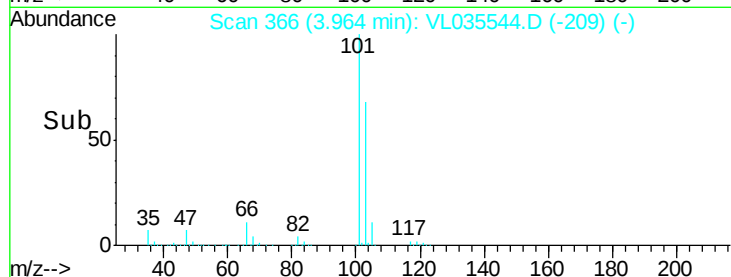
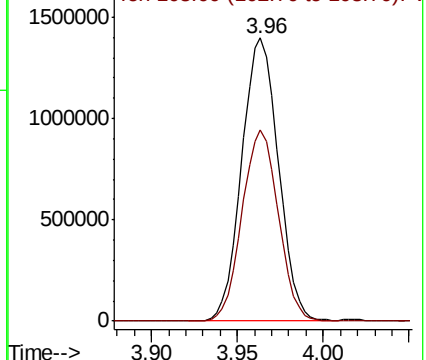
101 100

103 67.6 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: 0.079 ppbv

RT: 4.50 min Scan# 533

Delta R.T. 0.01 min

Lab File: VL035544.D

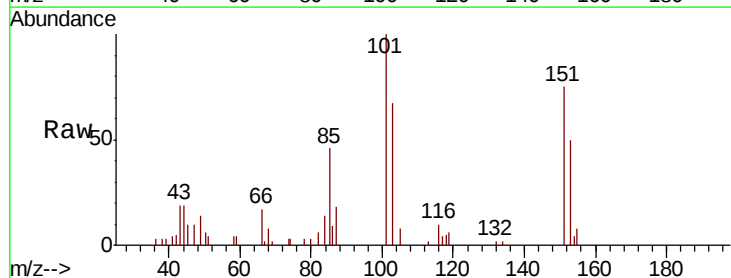
Acq: 3 Sep 2020 23:51

Tgt Ion:101 Resp: 15167

Ion Ratio Lower Upper

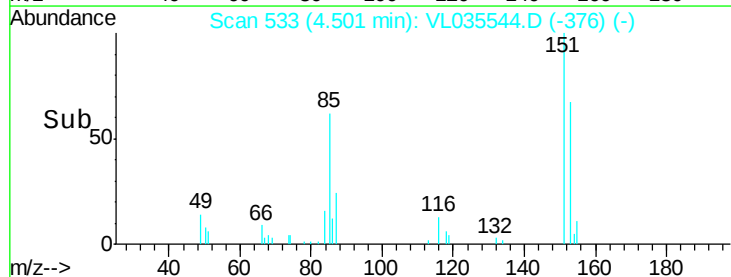
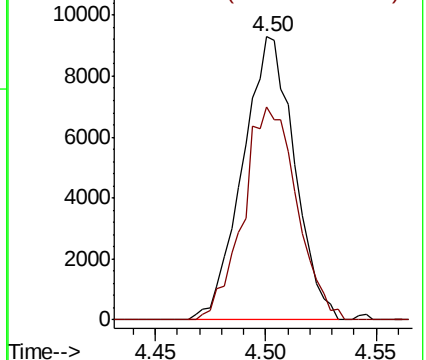
101 100

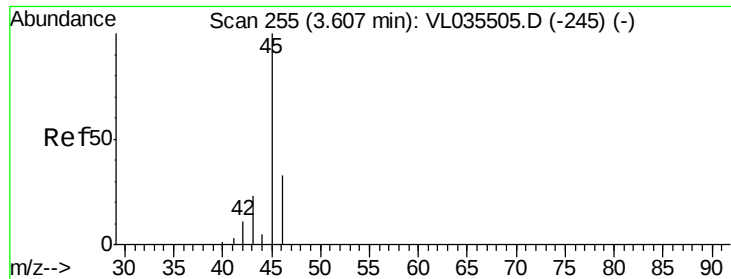
151 77.7 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

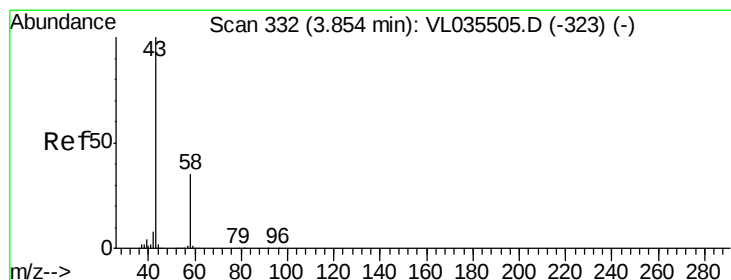
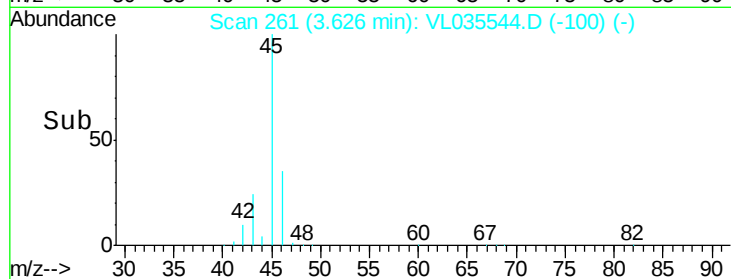
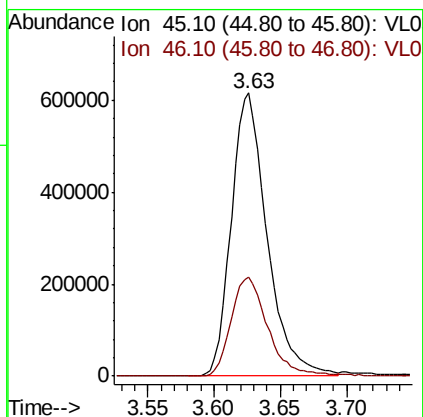
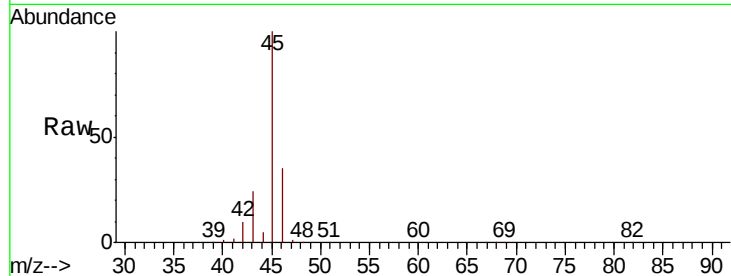




#13
Ethanol
Concen: 107.975 ppbv
RT: 3.63 min Scan# 261
Delta R.T. 0.02 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

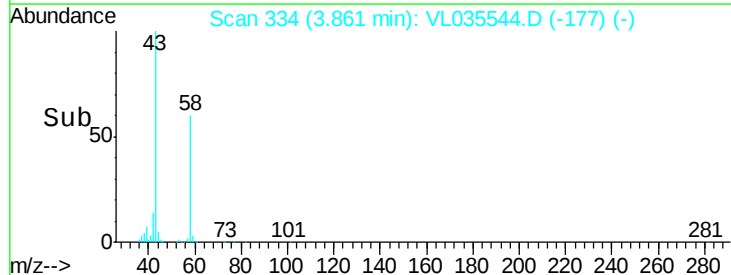
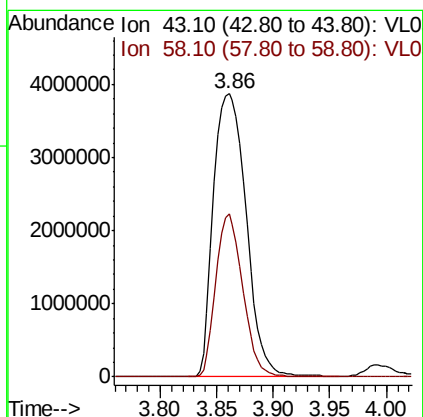
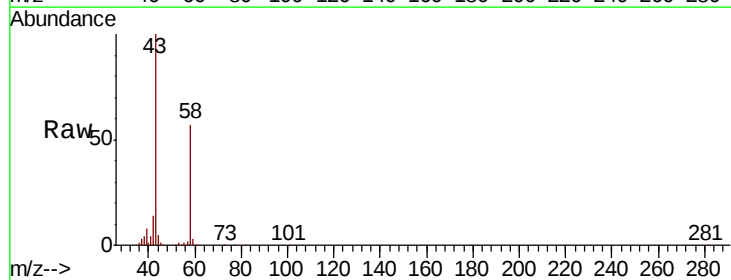
Instrument :
MSVOA_L
ClientSampleId :
IA-6

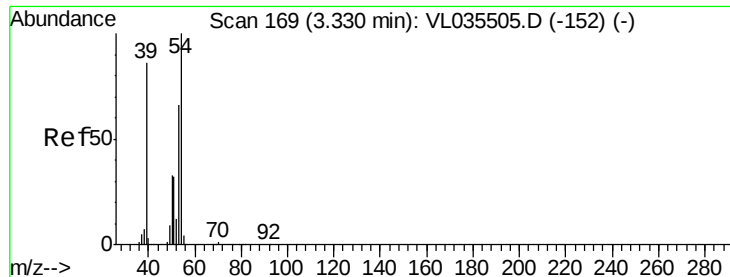
Tot Ion: 45 Resp: 1154097
Ion Ratio Lower Upper
45 100
46 36.2 15.2 60.6



#15
Acetone
Concen: 69.858 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Tgt Ion: 43 Resp: 7789839
Ion Ratio Lower Upper
43 100
58 47.5 28.4 42.6#

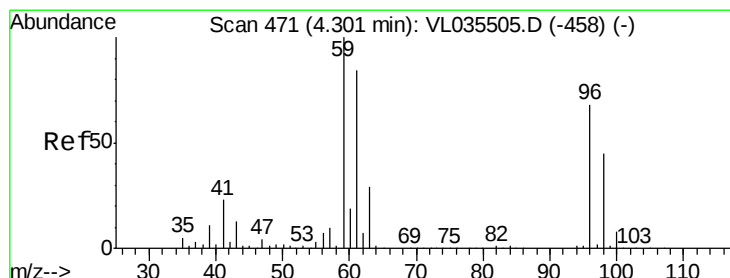
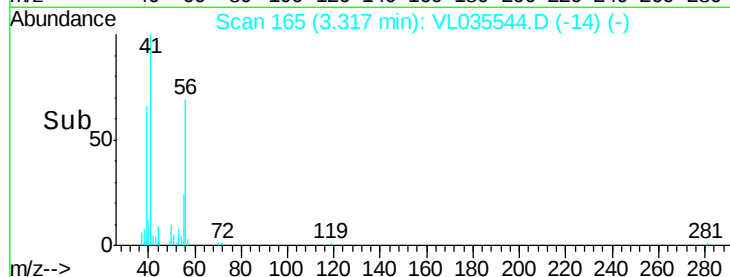
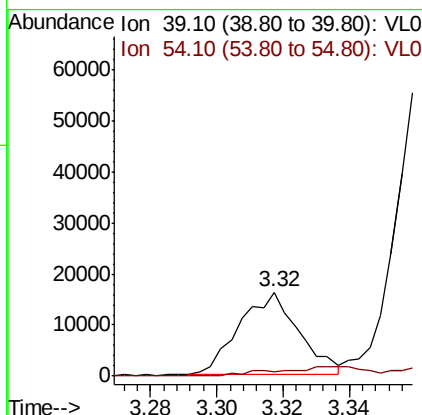
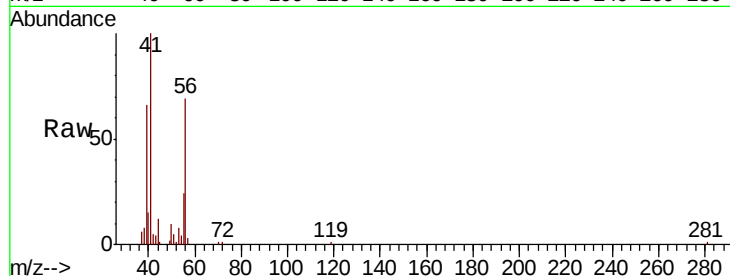




#16
 1,3-Butadiene
 Concen: 0.481 ppbv
 RT: 3.32 min Scan# 165
 Delta R.T. -0.01 min
 Lab File: VL035544.D
 Acq: 3 Sep 2020 23:51

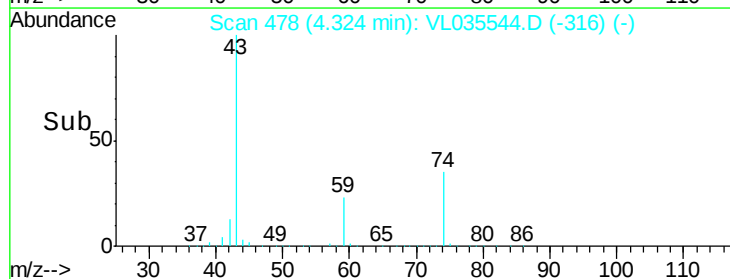
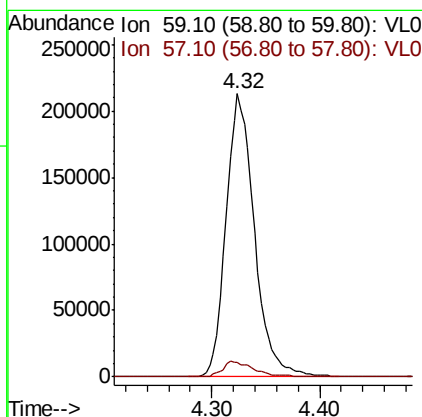
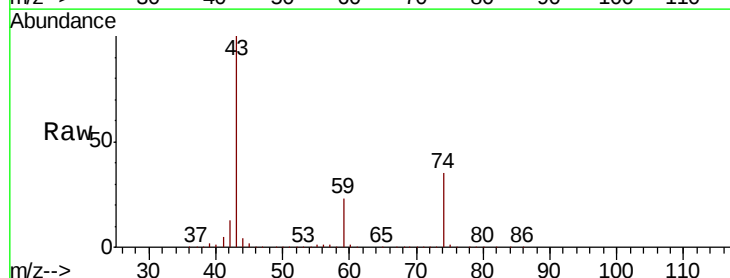
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-6

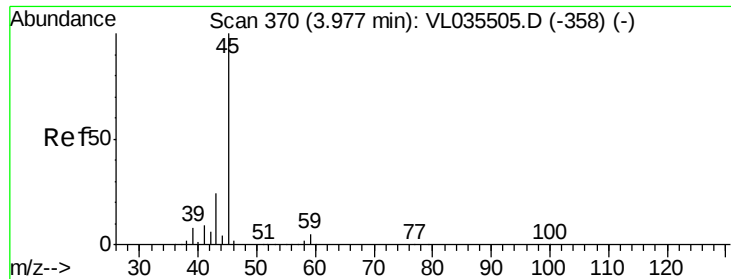
Tot Ion: 39 Resp: 19965
 Ion Ratio Lower Upper
 39 100
 54 28.9 88.4 132.6#



#17
 tert-Butyl alcohol
 Concen: 2.879 ppbv
 RT: 4.32 min Scan# 478
 Delta R.T. 0.02 min
 Lab File: VL035544.D
 Acq: 3 Sep 2020 23:51

Tgt Ion: 59 Resp: 390813
 Ion Ratio Lower Upper
 59 100
 57 6.1 8.4 12.6#





#19

Isopropyl Alcohol

Concen: 17.200 ppbv

RT: 3.99 min Scan# 375

Delta R.T. 0.02 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Instrument :

MSVOA_L

ClientSampleId :

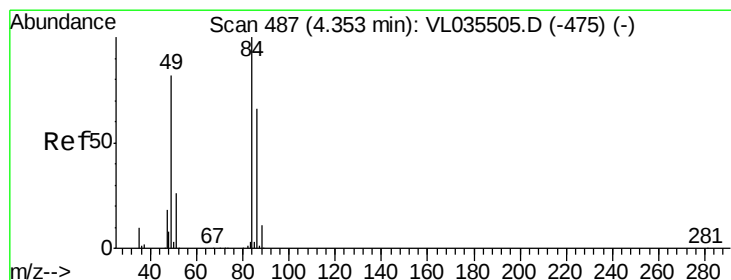
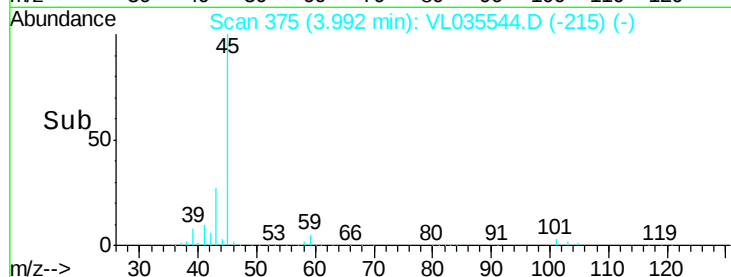
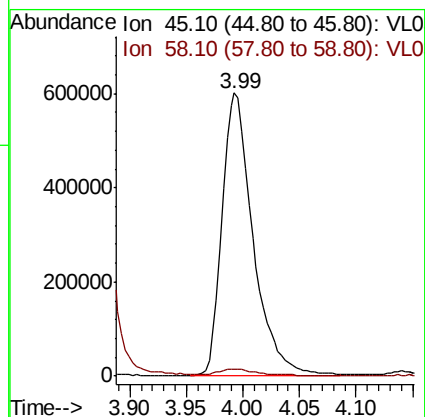
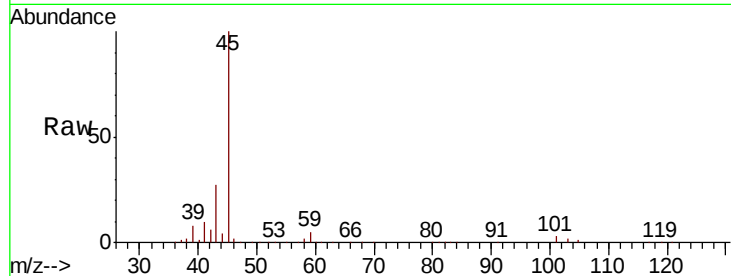
IA-6

Tot Ion: 45 Resp: 1144186

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#



#20

Methylene Chloride

Concen: 28.588 ppbv

RT: 4.36 min Scan# 490

Delta R.T. 0.01 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Tgt Ion: 84 Resp: 2374317

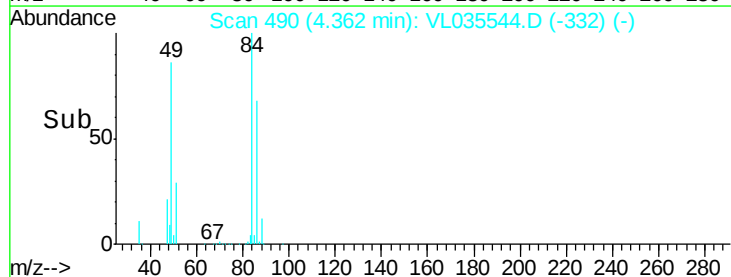
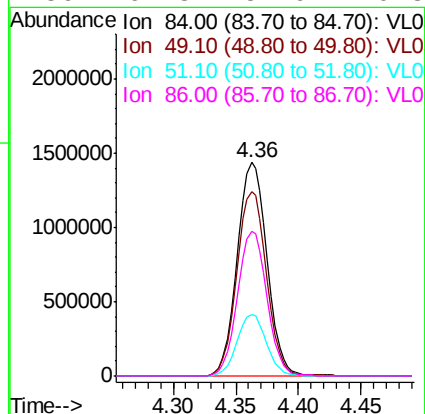
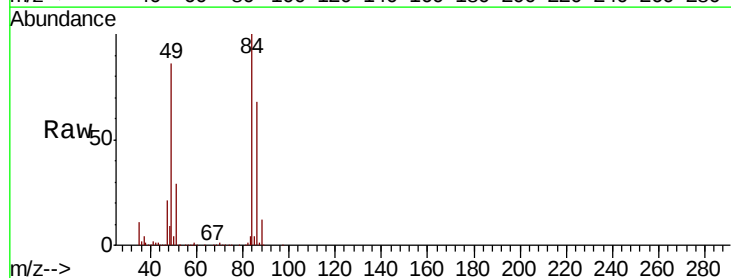
Ion Ratio Lower Upper

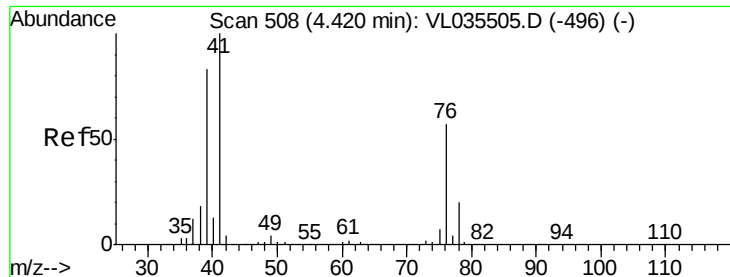
84 100

49 86.1 65.4 98.0

51 29.0 21.5 32.3

86 67.8 52.9 79.3





#21

Allvl Chloride

Concen: 0.833 ppbv

RT: 4.36 min Scan# 490

Delta R.T. -0.06 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Instrument :

MSVOA_L

ClientSampleId :

IA-6

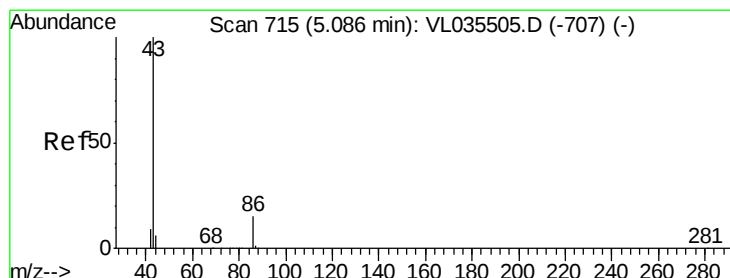
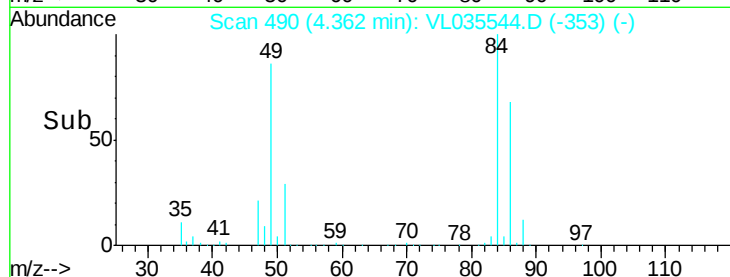
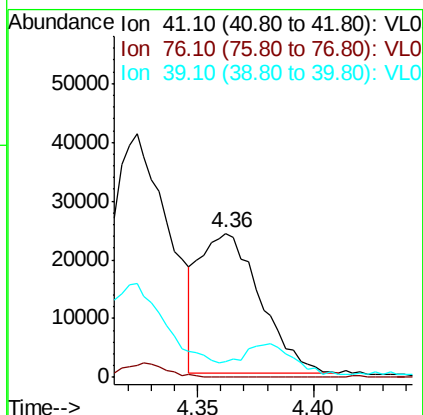
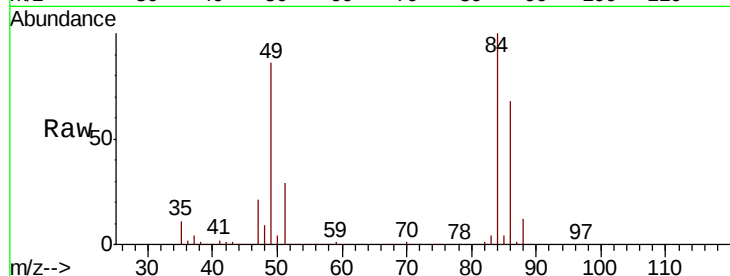
Tot Ion: 41 Resp: 43539

Ion Ratio Lower Upper

41 100

76 0.0 46.2 69.2#

39 25.0 67.8 101.6#



#23

Vinyl Acetate

Concen: 0.589 ppbv

RT: 5.09 min Scan# 715

Delta R.T. -0.00 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Tgt Ion: 43 Resp: 84322

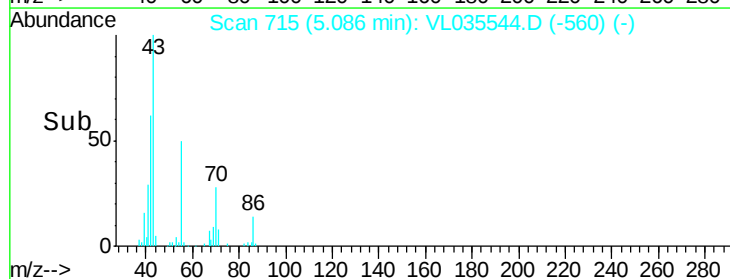
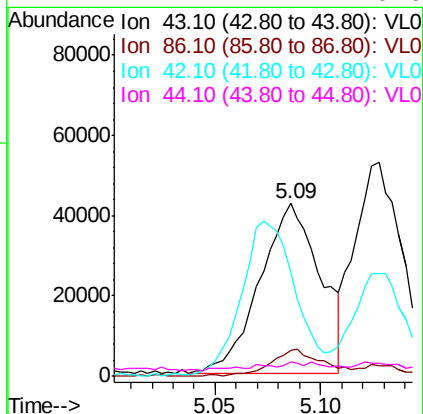
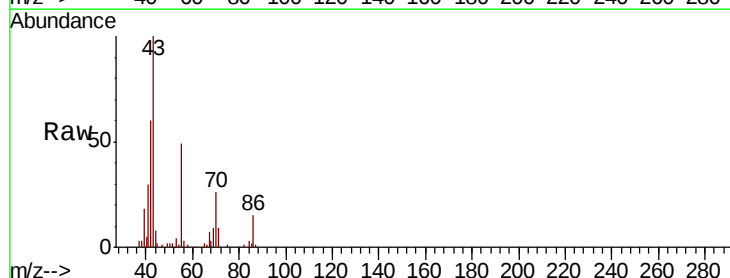
Ion Ratio Lower Upper

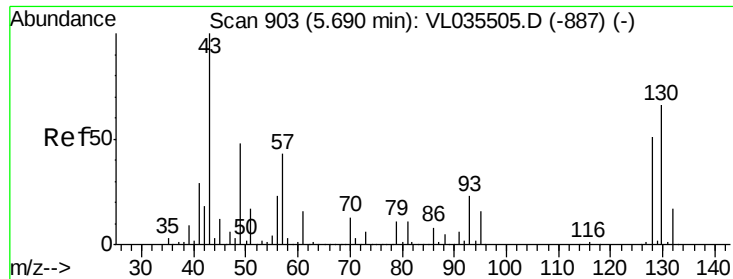
43 100

86 14.8 10.6 16.0

42 59.7 7.5 11.3#

44 4.2 4.4 6.6#

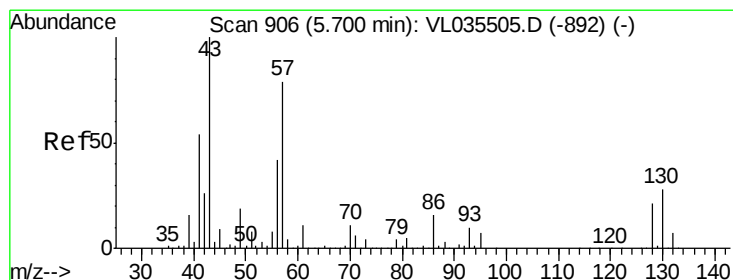
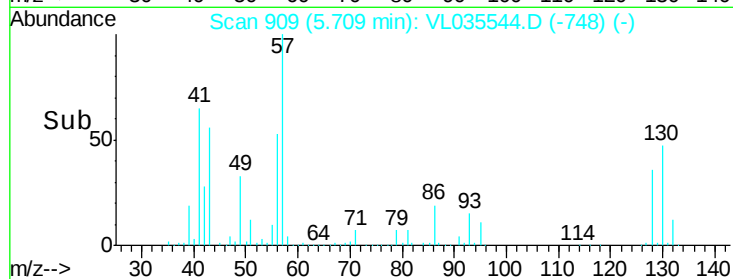
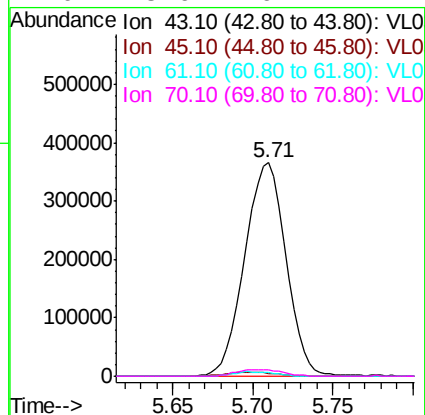
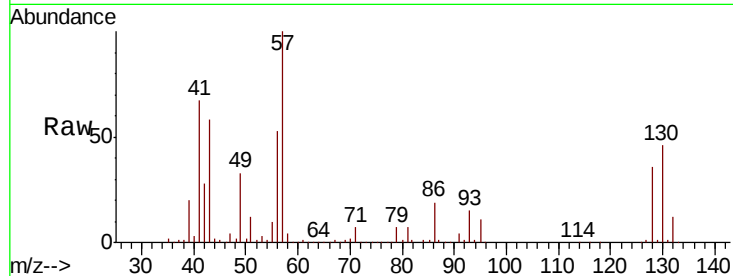




#25
Ethyl Acetate
Concen: 3.265 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.02 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

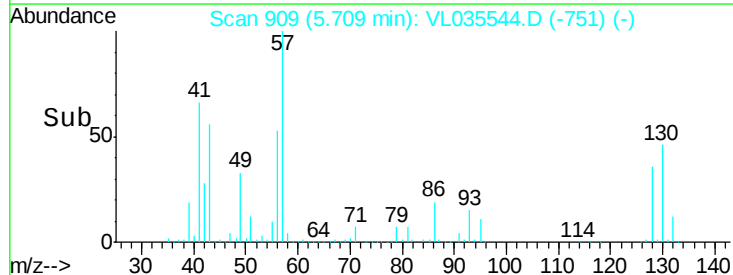
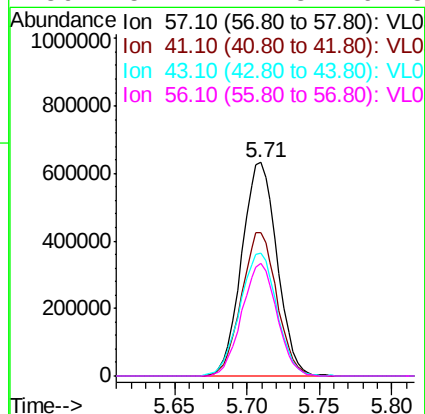
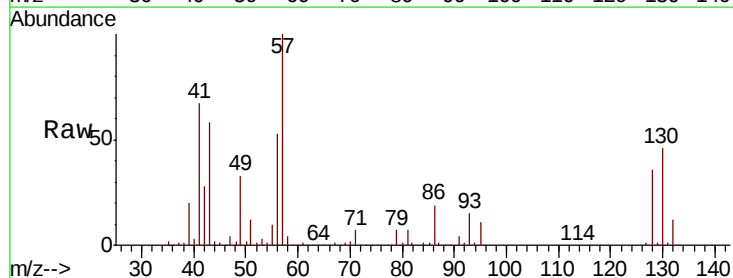
Instrument :
MSVOA_L
ClientSampled :
IA-6

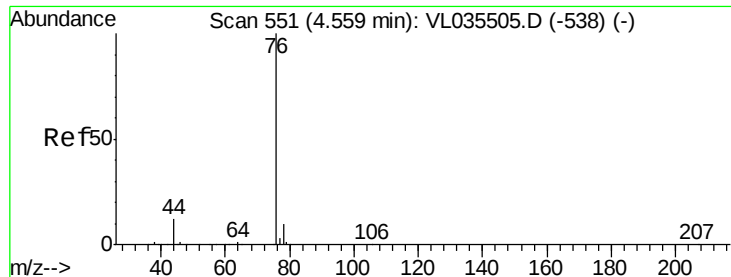
Tot Ion:	43	Resp:	643141
Ion	Ratio	Lower	Upper
43	100		
45	2.4	8.4	12.6#
61	2.2	10.6	16.0#
70	3.6	9.4	14.2#



#26
Hexane
Concen: 9.620 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Tgt Ion:	57	Resp:	1073768
Ion	Ratio	Lower	Upper
57	100		
41	67.3	55.9	83.9
43	60.1	141.8	212.8#
56	52.2	41.8	62.8





#27

Carbon Disulfide

Concen: 0.058 ppbv

RT: 4.56 min Scan# 553

Delta R.T. 0.01 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Instrument :

MSVOA_L

ClientSampleId :

IA-6

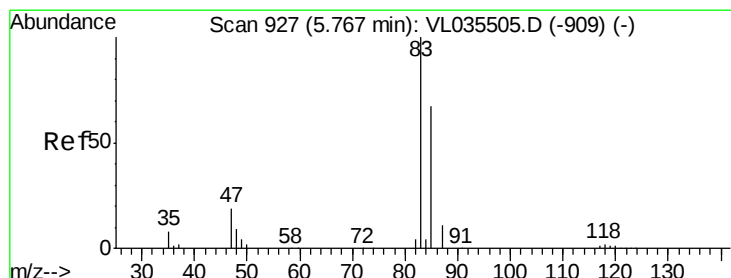
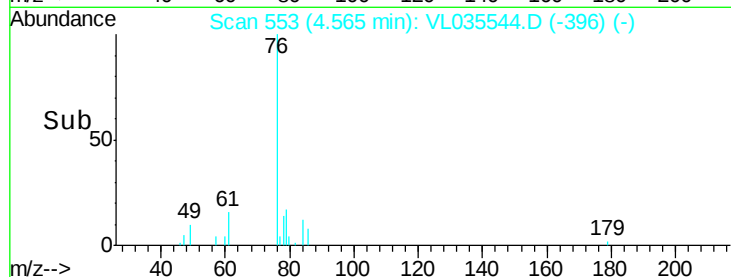
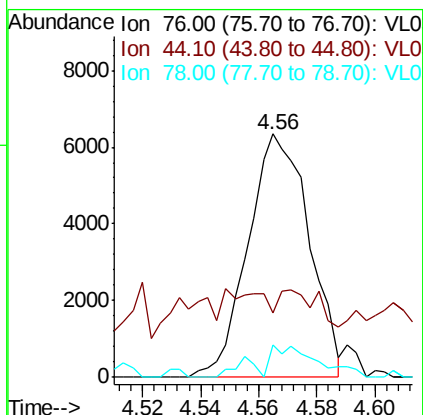
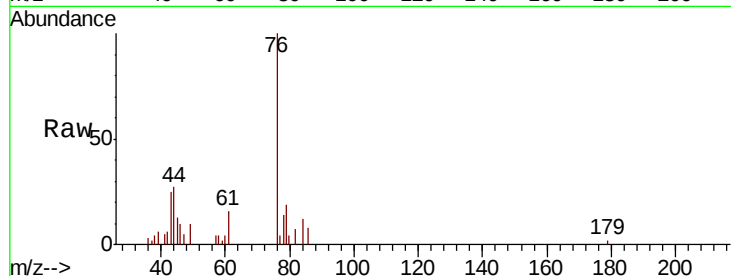
Tot Ion: 76 Resp: 9304

Ion Ratio Lower Upper

76 100

44 0.0 9.3 13.9#

78 13.5 7.8 11.6#



#29

Chloroform

Concen: 0.562 ppbv

RT: 5.78 min Scan# 931

Delta R.T. 0.01 min

Lab File: VL035544.D

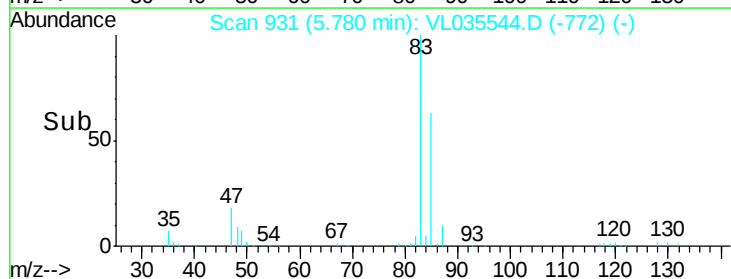
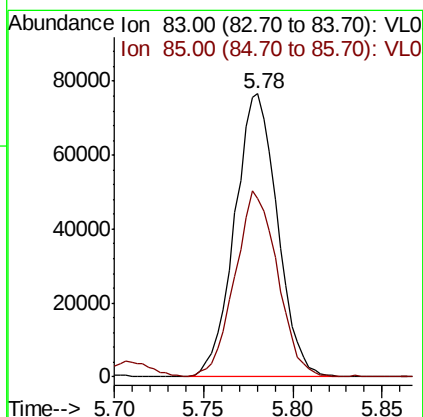
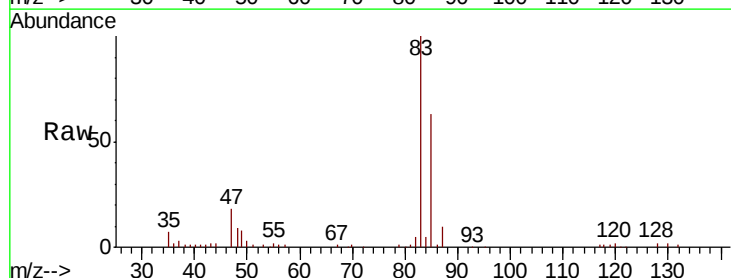
Acq: 3 Sep 2020 23:51

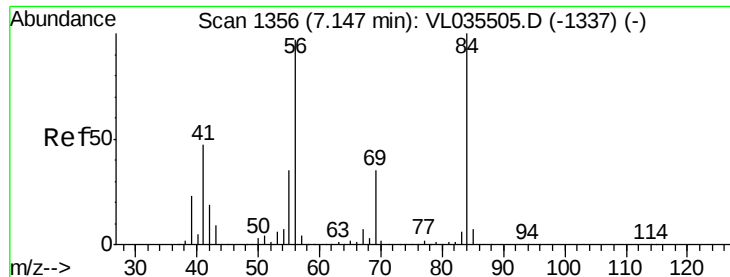
Tgt Ion: 83 Resp: 127730

Ion Ratio Lower Upper

83 100

85 63.2 53.9 80.9

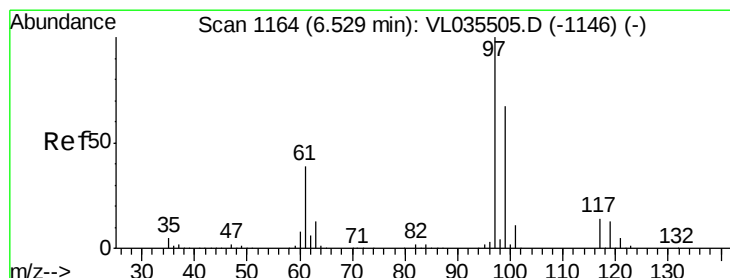
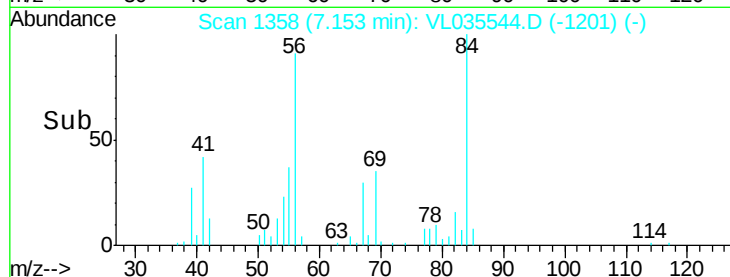
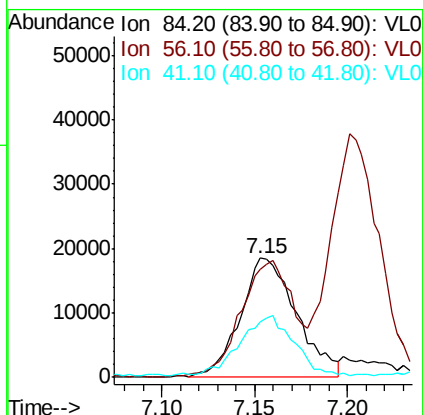
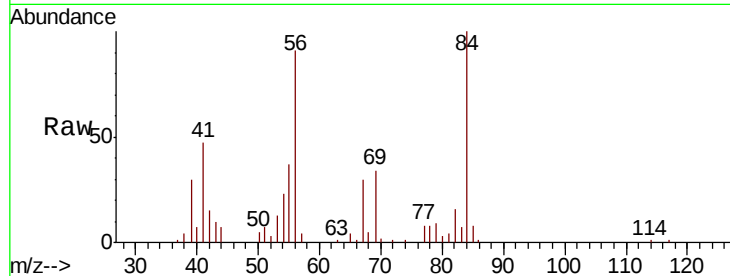




#30
Cyclohexane
Concen: 0.327 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

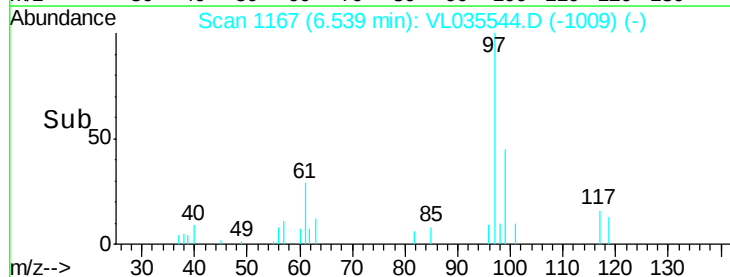
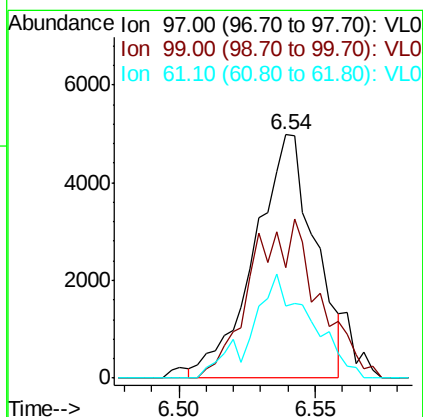
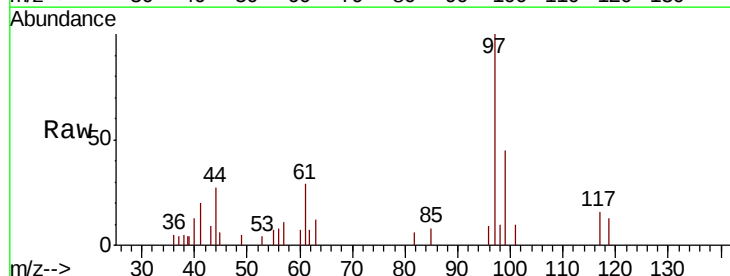
Instrument :
MSVOA_L
ClientSampleId :
IA-6

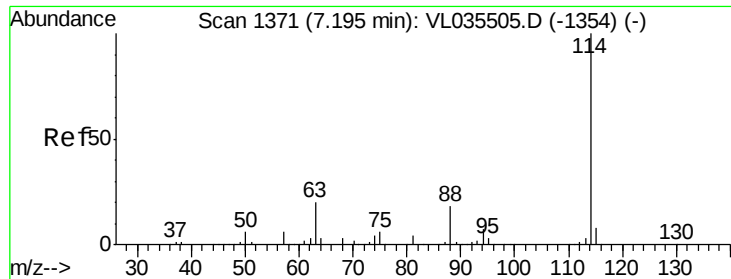
Tot Ion: 84 Resp: 39079
Ion Ratio Lower Upper
84 100
56 92.6 80.1 120.1
41 46.7 38.1 57.1



#32
1,1,1-Trichloroethane
Concen: 0.035 ppbv
RT: 6.54 min Scan# 1167
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Tgt Ion: 97 Resp: 7639
Ion Ratio Lower Upper
97 100
99 73.7 53.3 79.9
61 42.2 30.6 46.0

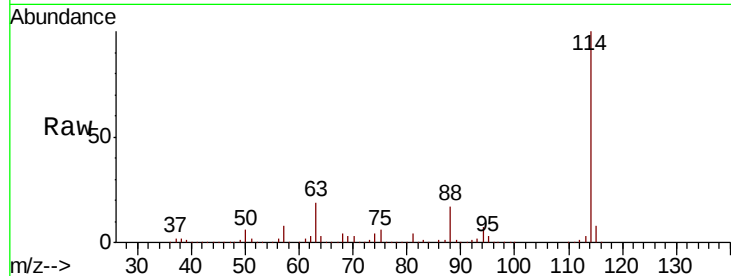




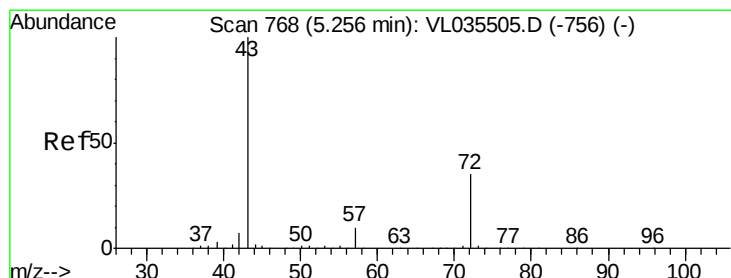
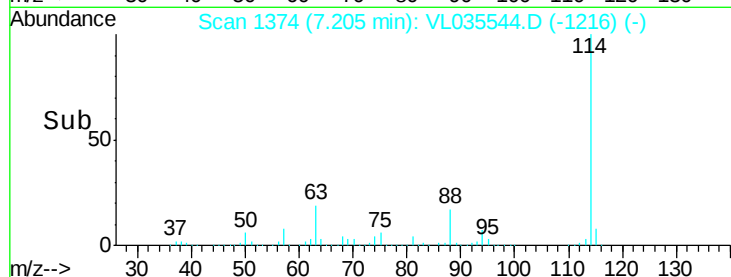
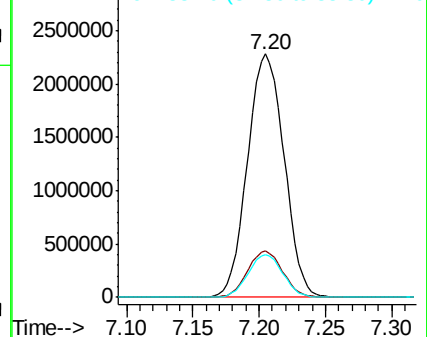
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. 0.01 min
 Lab File: VL035544.D
 Acq: 3 Sep 2020 23:51

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-6

Tot Ion:114 Resp: 4396351
 Ion Ratio Lower Upper
 114 100
 63 18.4 14.7 22.1
 88 16.9 13.4 20.2

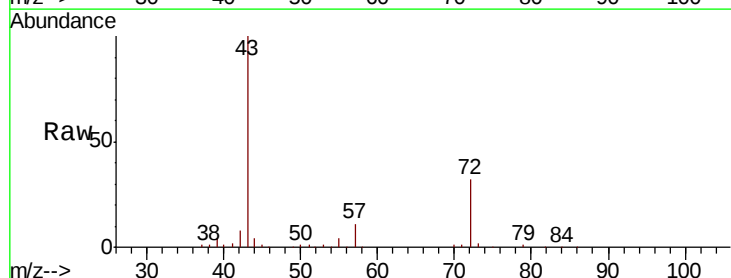


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

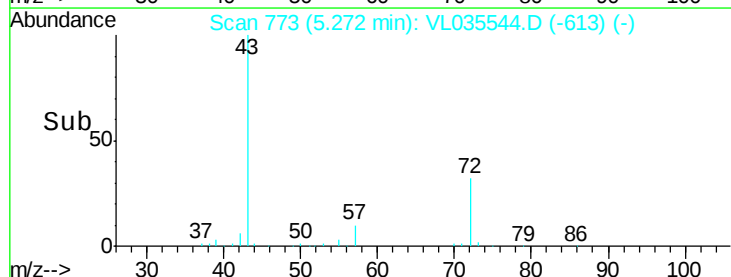
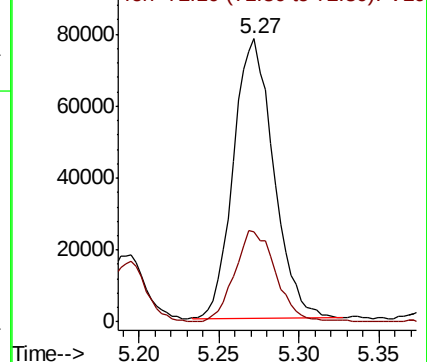


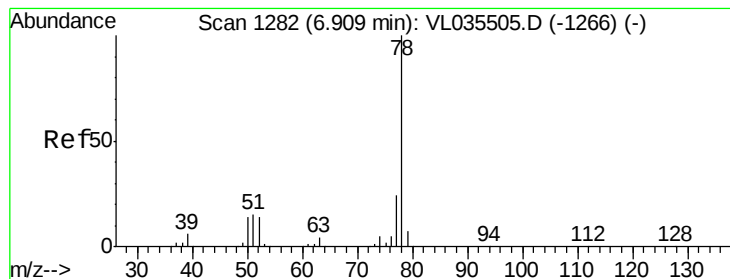
#34
 2-Butanone
 Concen: 1.020 ppbv
 RT: 5.27 min Scan# 773
 Delta R.T. 0.02 min
 Lab File: VL035544.D
 Acq: 3 Sep 2020 23:51

Tgt Ion: 43 Resp: 133023
 Ion Ratio Lower Upper
 43 100
 72 33.4 27.7 41.5



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





#36

Benzene

Concen: 0.457 ppbv

RT: 6.92 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Instrument :

MSVOA_L

ClientSampleId :

IA-6

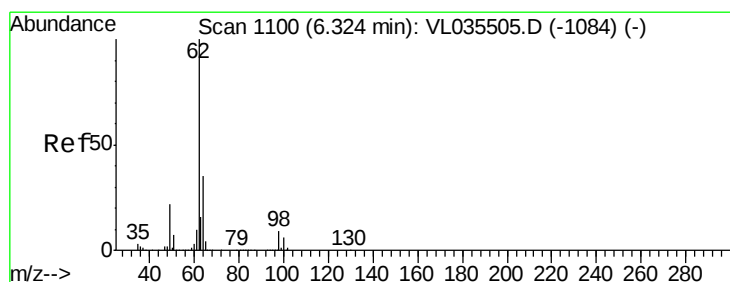
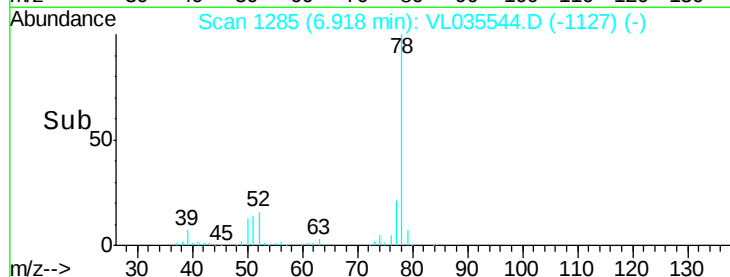
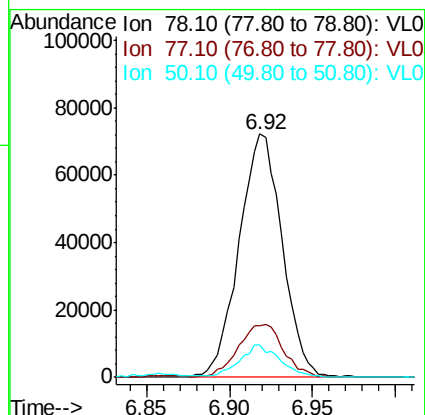
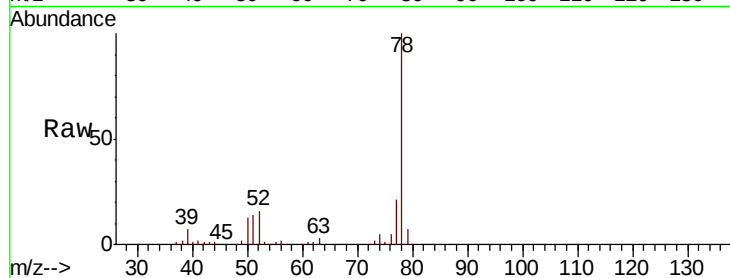
Tot Ion: 78 Resp: 129971

Ion Ratio Lower Upper

78 100

77 21.5 19.3 28.9

50 13.2 11.0 16.6



#37

1,2-Dichloroethane

Concen: 0.055 ppbv

RT: 6.34 min Scan# 1105

Delta R.T. 0.02 min

Lab File: VL035544.D

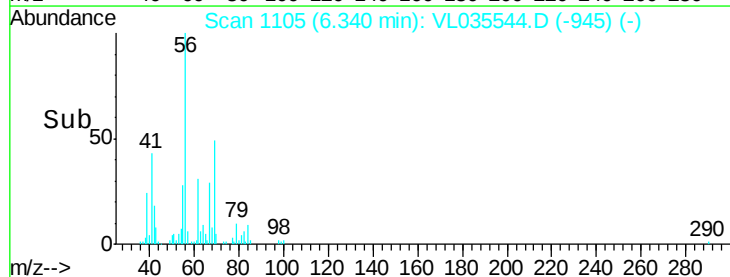
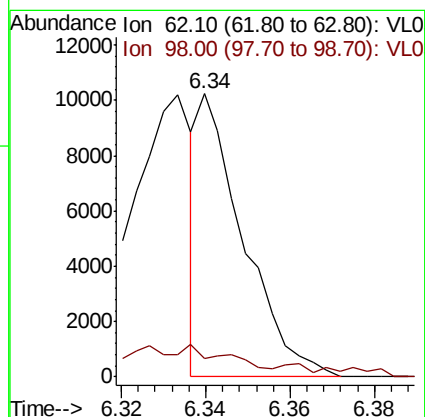
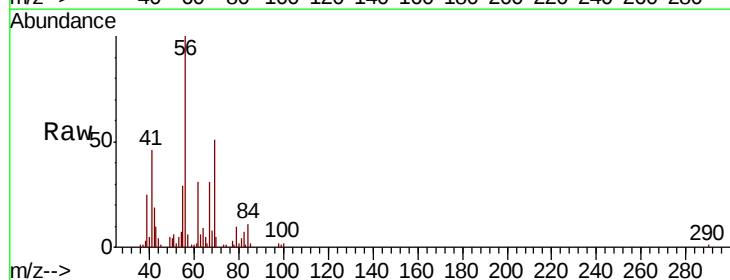
Acq: 3 Sep 2020 23:51

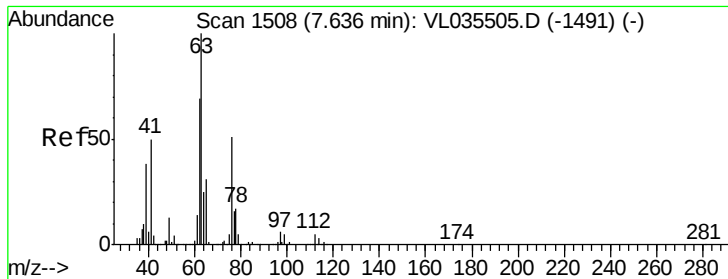
Tgt Ion: 62 Resp: 7518

Ion Ratio Lower Upper

62 100

98 31.5 7.4 11.0#





#39

1,2-Dichloropropane

Concen: 8.359 ppbv

RT: 7.20 min Scan# 1374

Delta R.T. -0.43 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Instrument :

MSVOA_L

ClientSampled :

IA-6

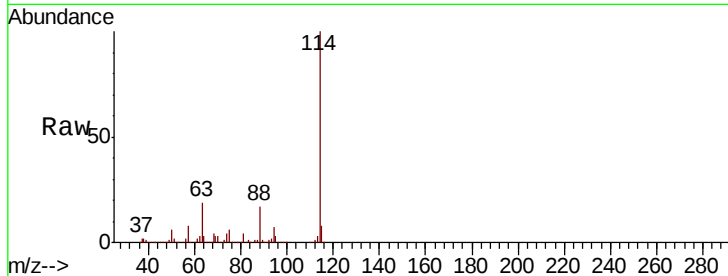
Tot Ion: 63 Resp: 803606

Ion Ratio Lower Upper

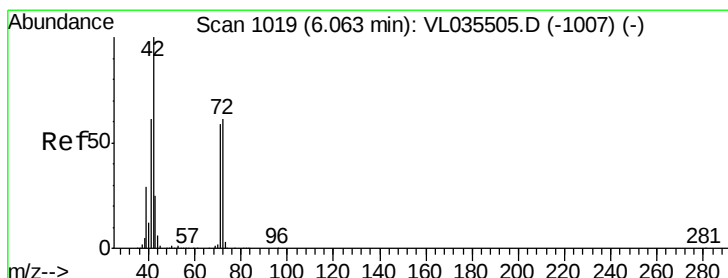
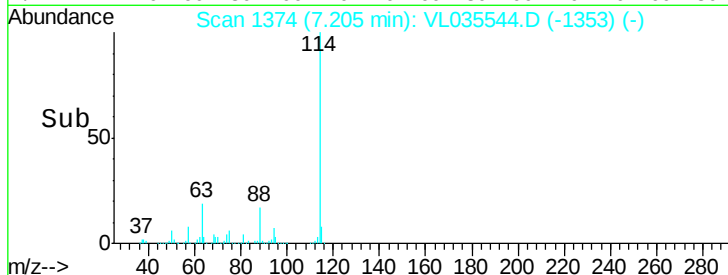
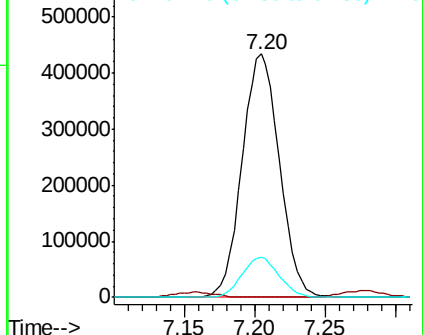
63 100

41 0.0 40.0 60.0#

62 16.7 55.4 83.0#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 0.166 ppbv

RT: 6.35 min Scan# 1107

Delta R.T. 0.28 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

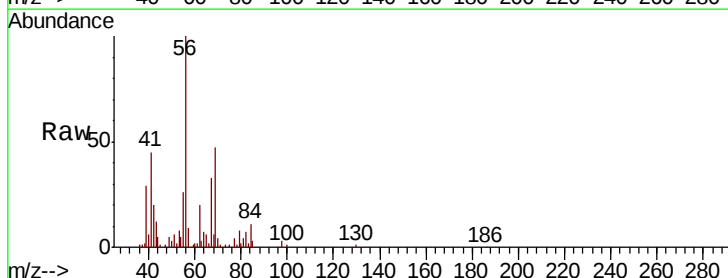
Tgt Ion: 42 Resp: 11479

Ion Ratio Lower Upper

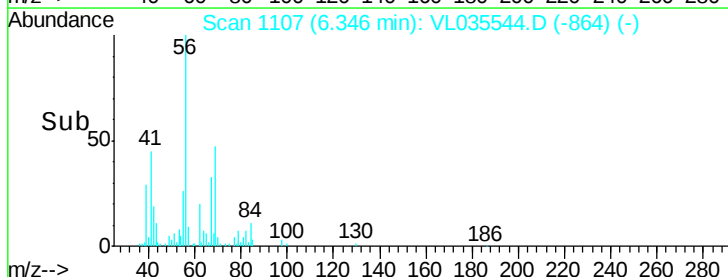
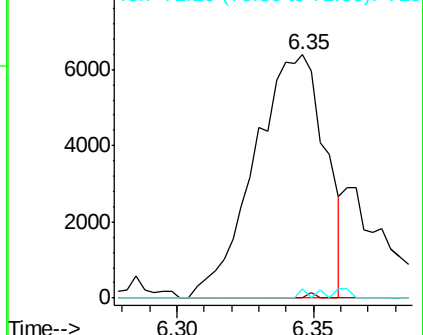
42 100

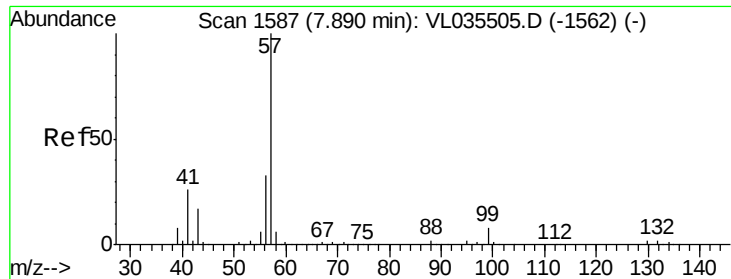
72 0.0 48.6 73.0#

71 0.0 46.1 69.1#



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0

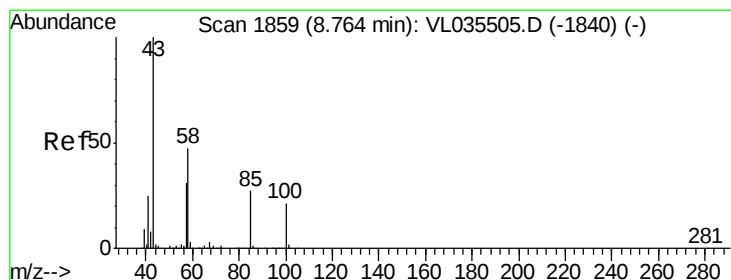
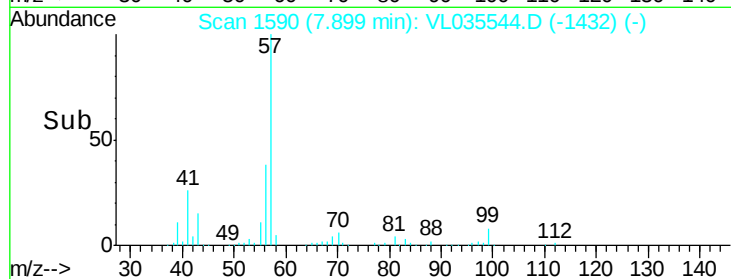
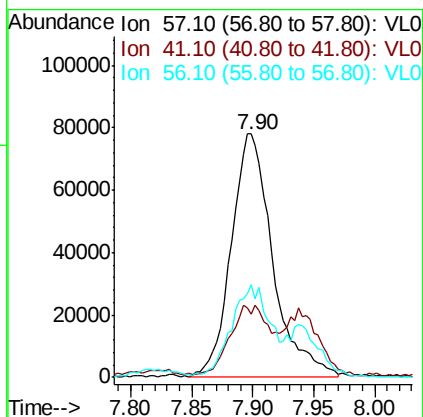
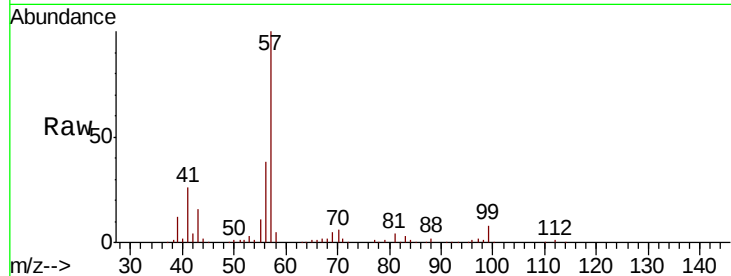




#44
 2,2,4-Trimethylpentane
 Concen: 0.487 ppbv
 RT: 7.90 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VL035544.D
 Acq: 3 Sep 2020 23:51

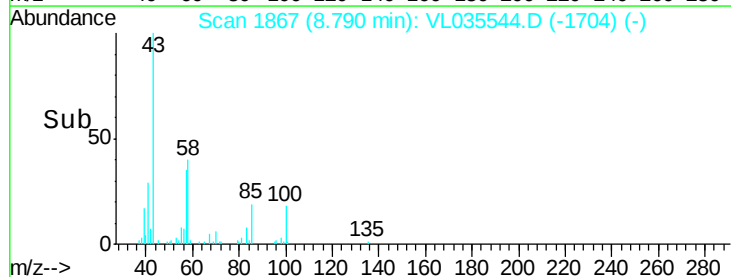
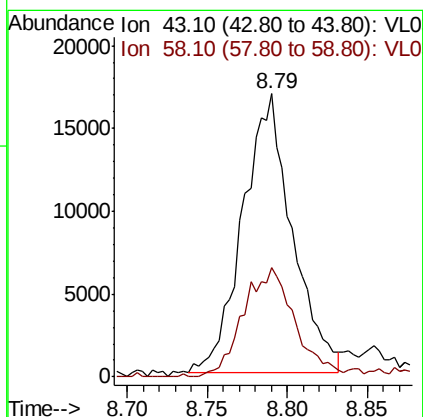
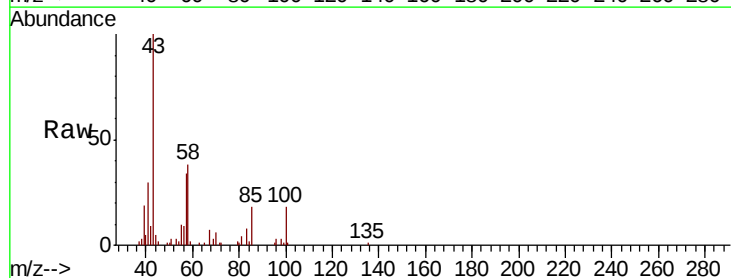
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-6

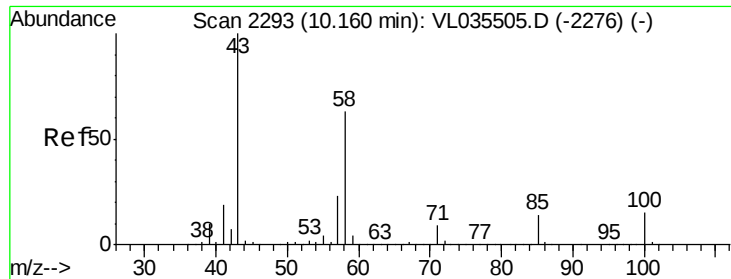
Tot Ion	57	Resp	182348
Ion	Ratio	Lower	Upper
57	100		
41	29.5	20.5	30.7
56	38.8	25.3	37.9#



#50
 4-Methyl-2-Pentanone
 Concen: 0.191 ppbv
 RT: 8.79 min Scan# 1867
 Delta R.T. 0.03 min
 Lab File: VL035544.D
 Acq: 3 Sep 2020 23:51

Tgt Ion	43	Resp	36057
Ion	Ratio	Lower	Upper
43	100		
58	42.0	37.4	56.0





#51

2-Hexanone

Concen: 0.059 ppbv

RT: 10.19 min Scan# 2303

Delta R.T. 0.03 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Instrument :

MSVOA_L

ClientSampled :

IA-6

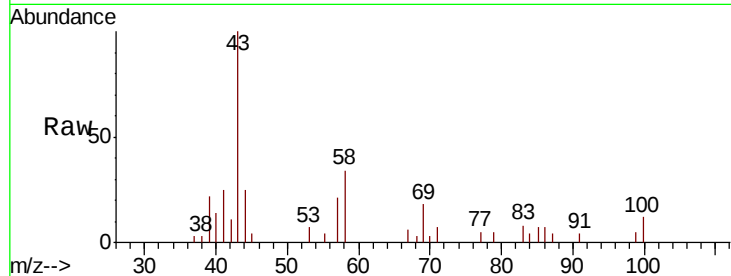
Tot Ion: 43 Resp: 9179

Ion Ratio Lower Upper

43 100

58 78.5 50.2 75.4#

98 3.5 0.4 0.6#

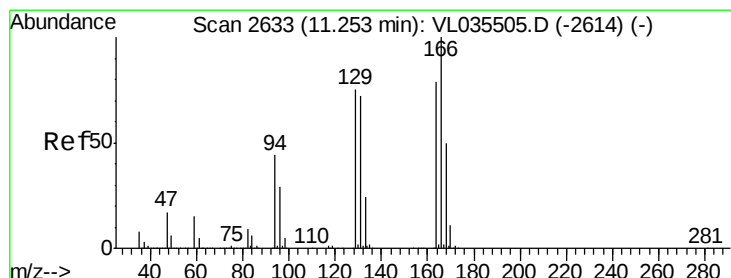
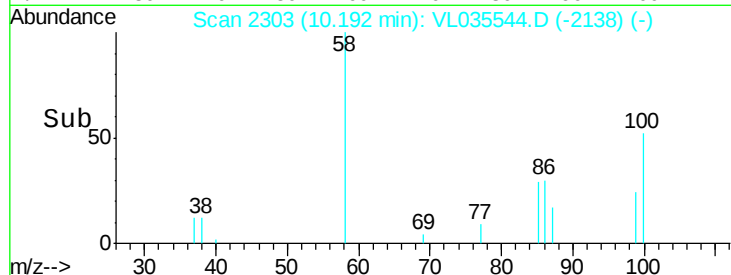
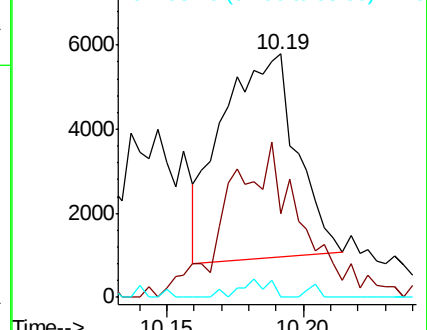


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.077 ppbv

RT: 11.25 min Scan# 2633

Delta R.T. -0.00 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Tgt Ion: 164 Resp: 12778

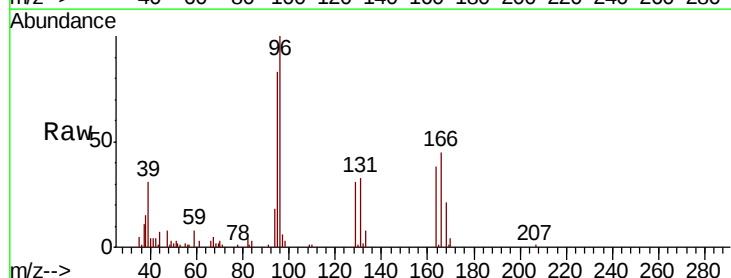
Ion Ratio Lower Upper

164 100

166 117.0 100.9 151.3

129 81.3 75.3 112.9

131 86.1 73.0 109.4



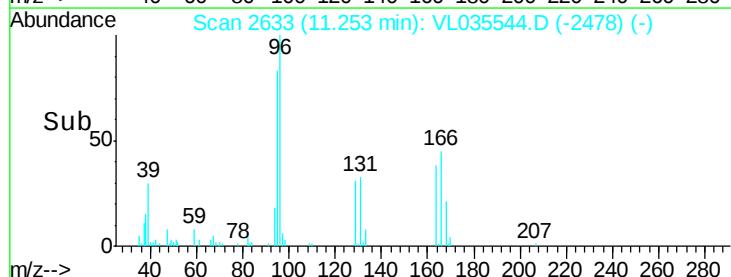
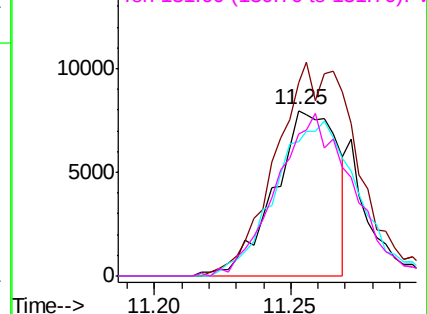
Abundance

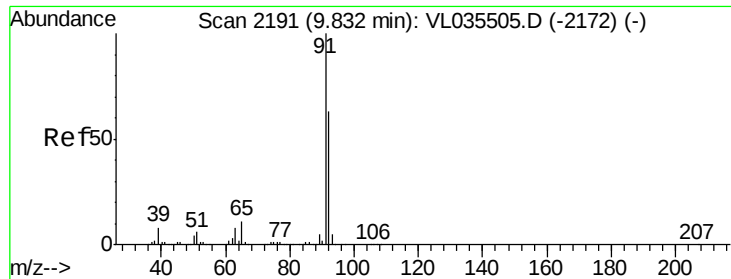
Ion 163.90 (163.60 to 164.60): V

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: 3.124 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. 0.01 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Instrument :

MSVOA_L

ClientSampleId :

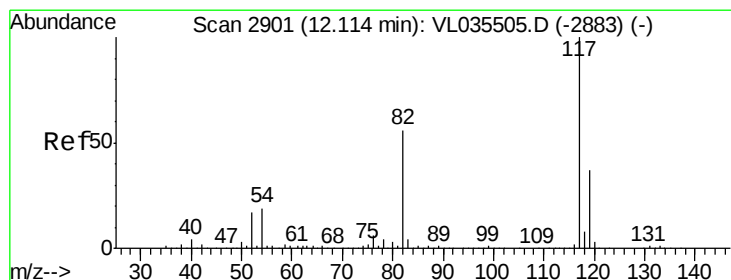
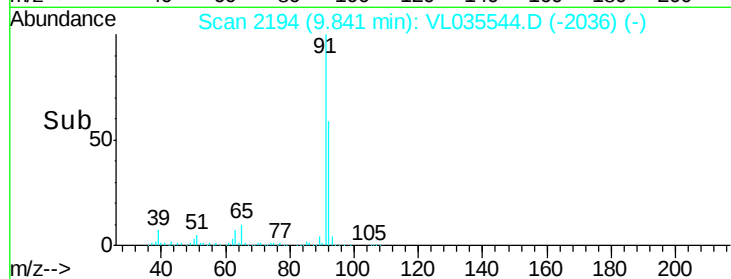
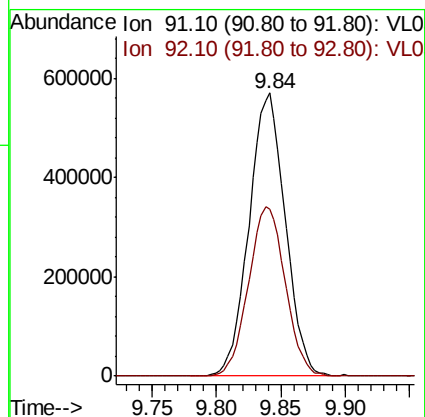
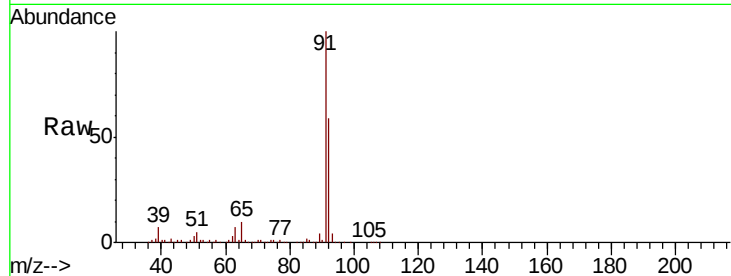
IA-6

Tot Ion: 91 Resp: 1117972

Ion Ratio Lower Upper

91 100

92 60.9 49.8 74.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. 0.01 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

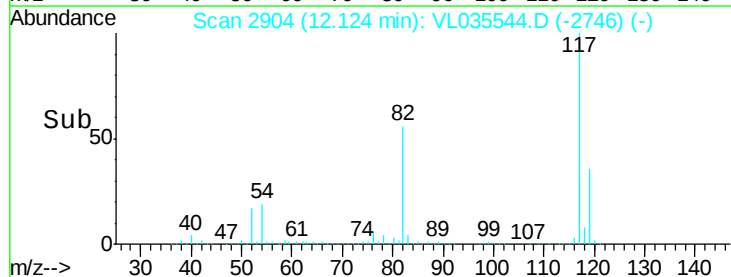
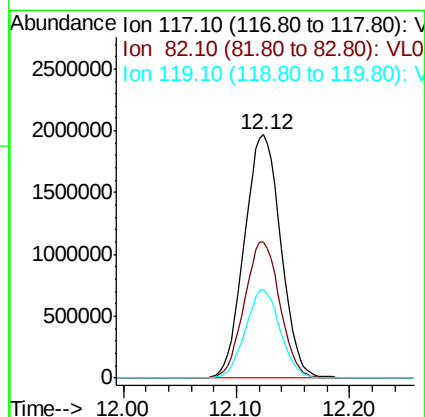
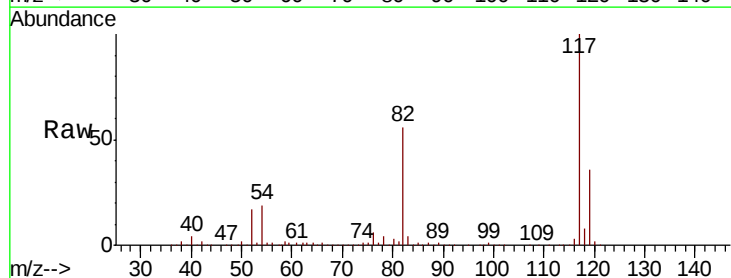
Tgt Ion: 117 Resp: 4421560

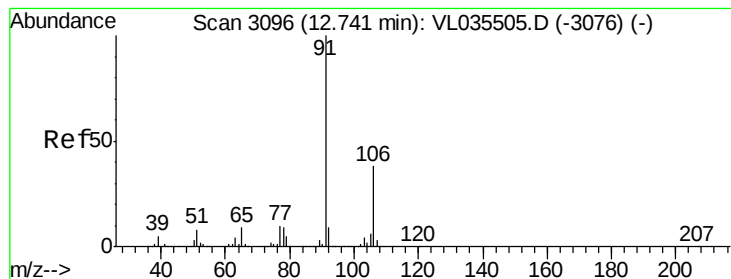
Ion Ratio Lower Upper

117 100

82 54.7 41.6 62.4

119 34.9 29.3 43.9





#58

Ethyl Benzene

Concen: 0.245 ppbv

RT: 12.75 min Scan# 3098

Delta R.T. 0.01 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Instrument :

MSVOA_L

ClientSampled :

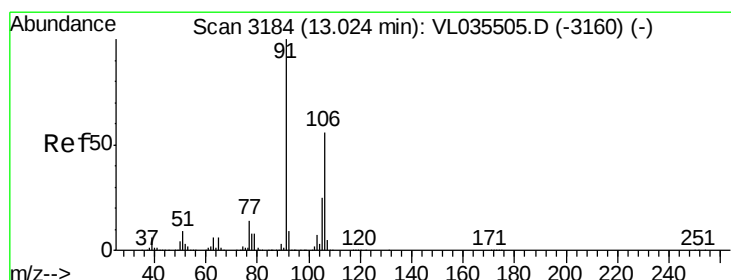
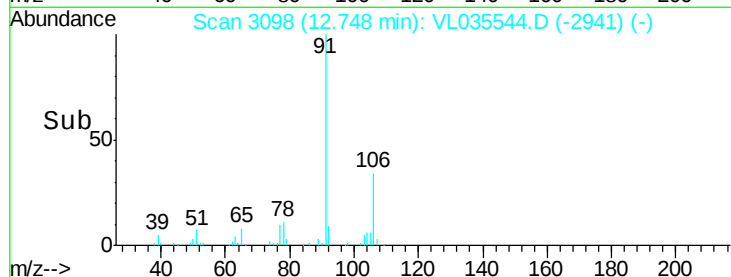
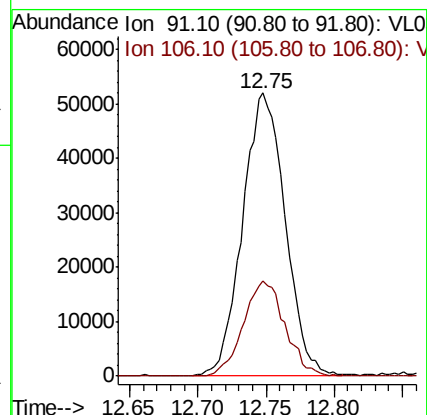
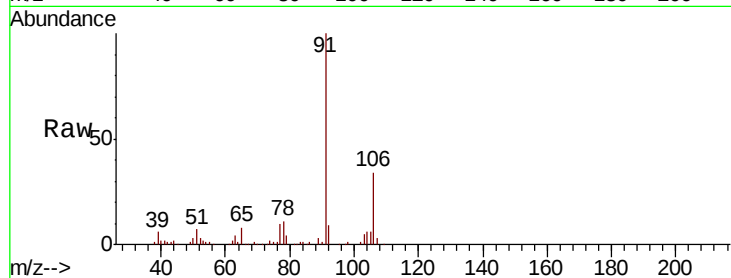
IA-6

Tot Ion: 91 Resp: 111806

Ion Ratio Lower Upper

91 100

106 33.7 30.3 45.5



#59

m/p-Xylene

Concen: 0.104 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. 0.02 min

Lab File: VL035544.D

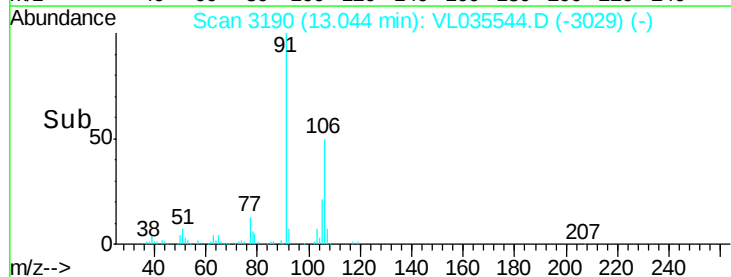
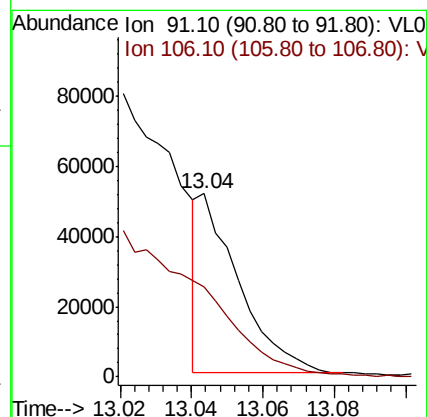
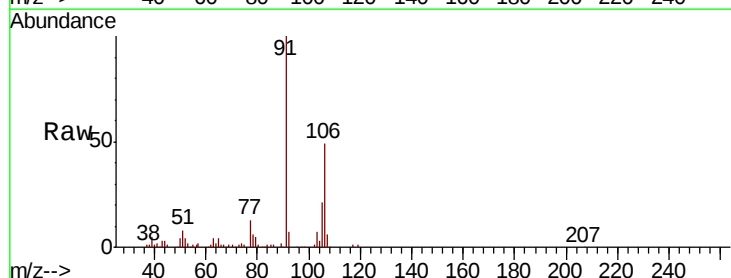
Acq: 3 Sep 2020 23:51

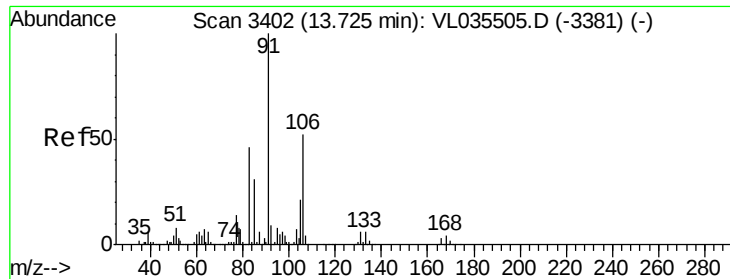
Tgt Ion: 91 Resp: 39473

Ion Ratio Lower Upper

91 100

106 0.0 43.4 65.2#

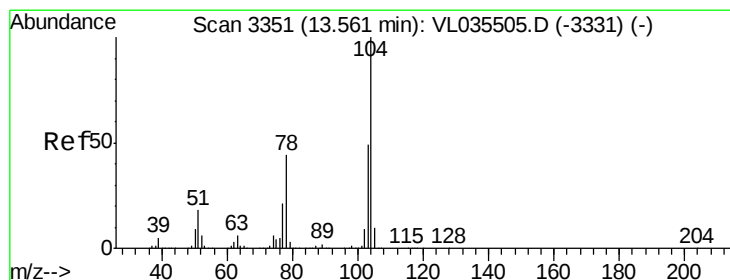
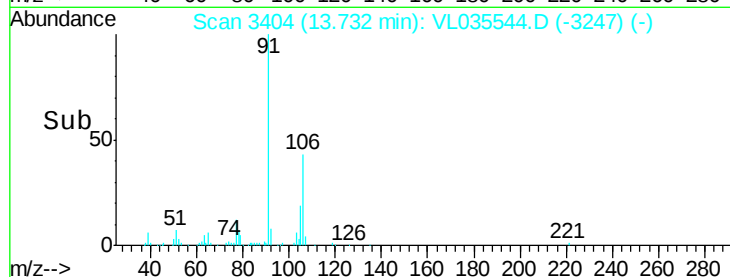
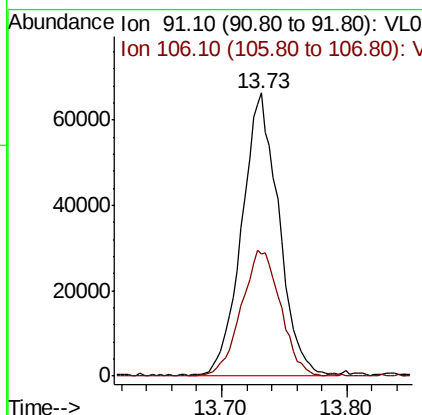
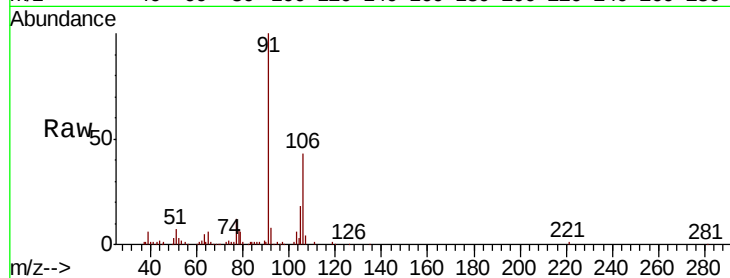




#60
o-Xylene
Concen: 0.350 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

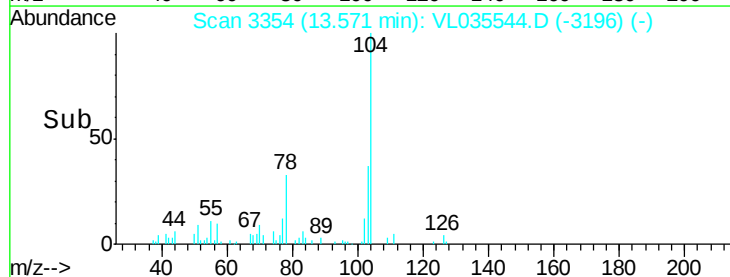
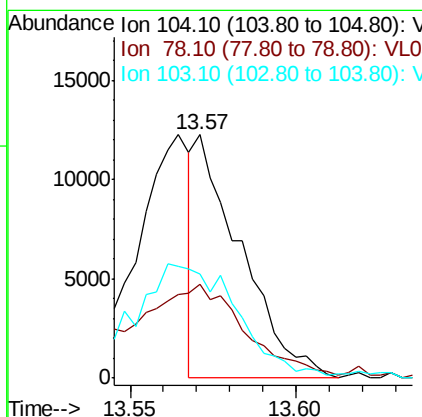
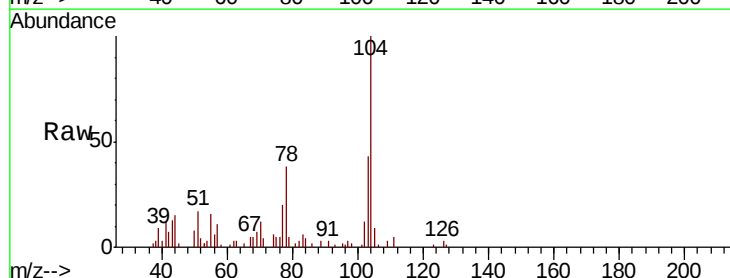
Instrument :
MSVOA_L
ClientSampleId :
IA-6

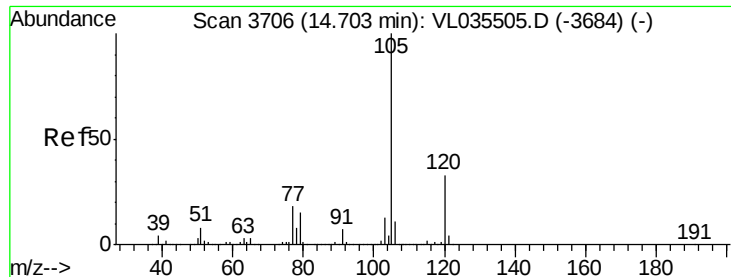
Tot Ion: 91 Resp: 134477
Ion Ratio Lower Upper
91 100
106 48.2 25.8 77.4



#61
Styrene
Concen: 0.040 ppbv
RT: 13.57 min Scan# 3354
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Tgt Ion: 104 Resp: 11757
Ion Ratio Lower Upper
104 100
78 95.9 34.8 52.2#
103 0.0 38.2 57.4#





#62

Isopropylbenzene

Concen: 0.061 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. -0.00 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Instrument :

MSVOA_L

ClientSampleId :

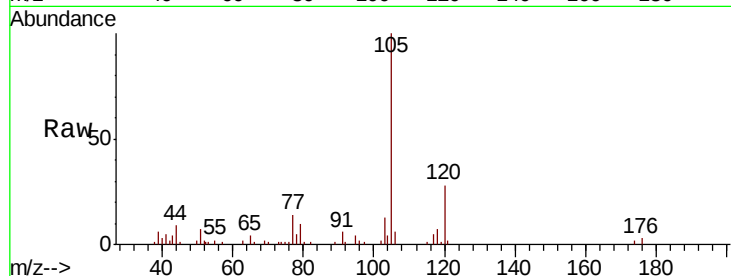
IA-6

Tot Ion:105 Resp: 37374

Ion Ratio Lower Upper

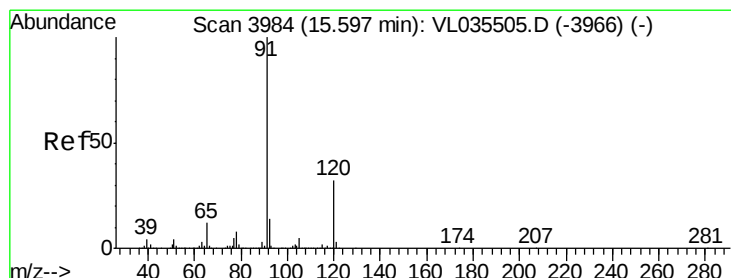
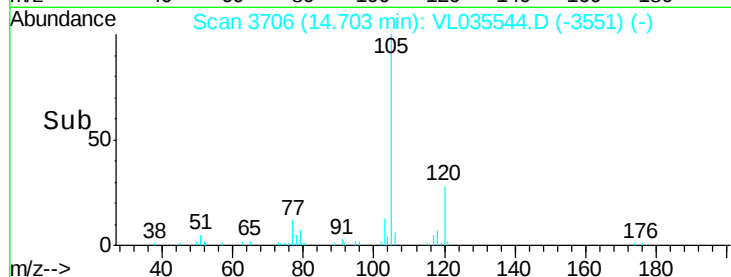
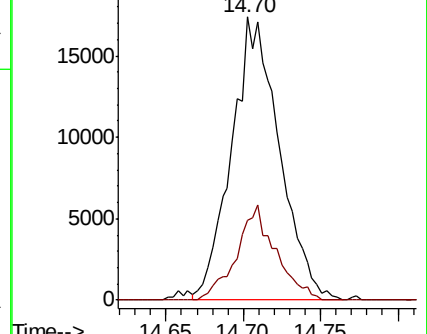
105 100

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: 0.046 ppbv

RT: 15.61 min Scan# 3987

Delta R.T. 0.01 min

Lab File: VL035544.D

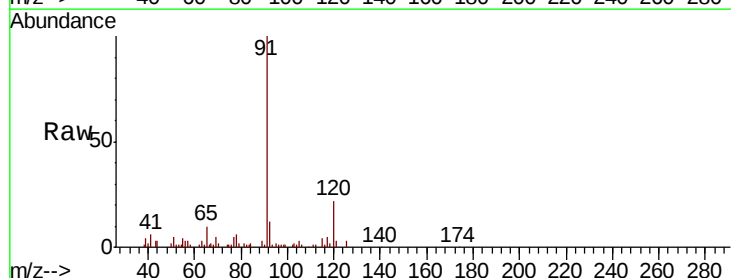
Acq: 3 Sep 2020 23:51

Tgt Ion:120 Resp: 8638

Ion Ratio Lower Upper

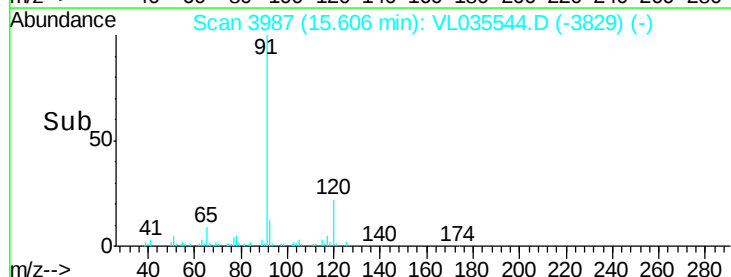
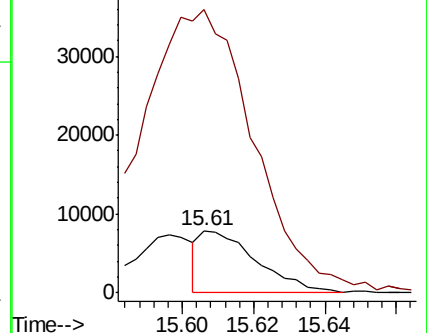
120 100

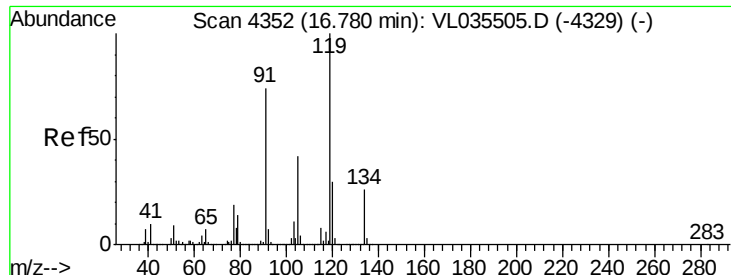
91 924.2 279.4 419.0#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

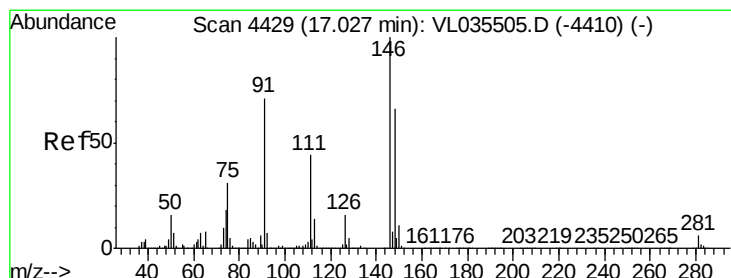
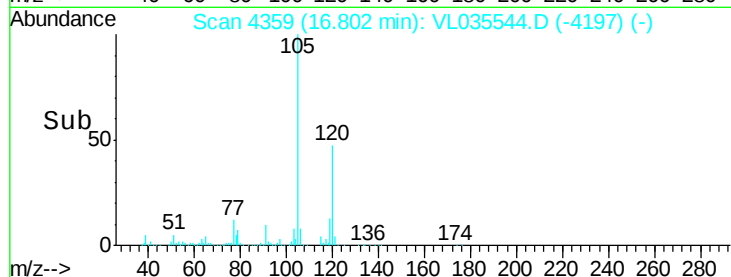
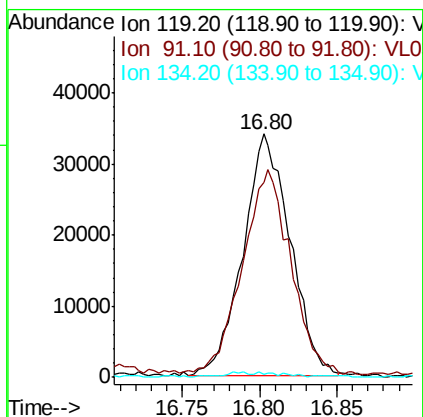
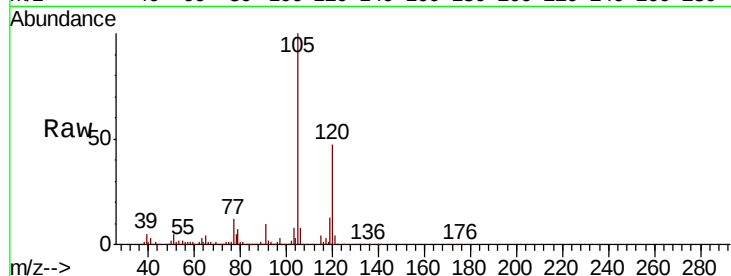




#65
tert-Butylbenzene
Concen: 0.126 ppbv
RT: 16.80 min Scan# 4359
Delta R.T. 0.02 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

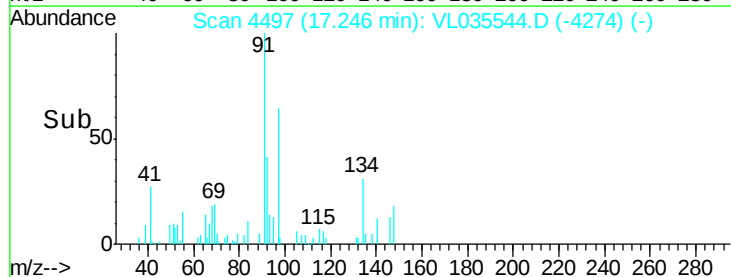
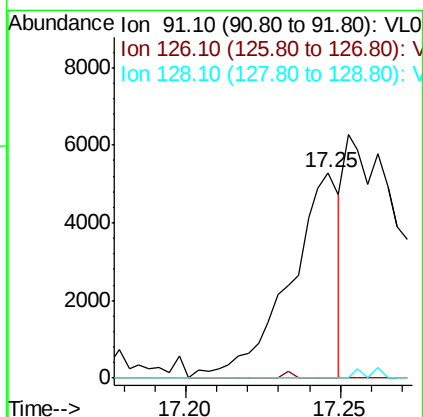
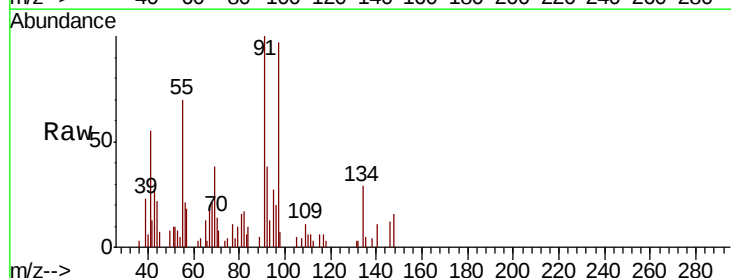
Instrument :
MSVOA_L
ClientSampleId :
IA-6

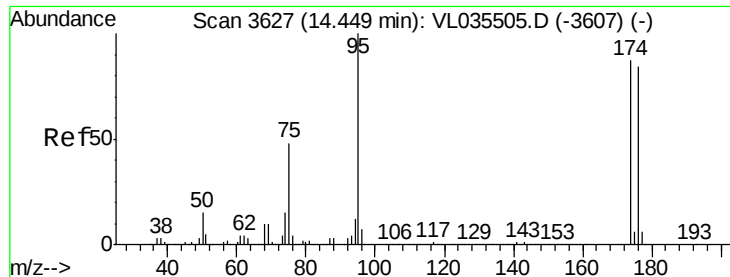
Tot Ion:119 Resp: 72341
Ion Ratio Lower Upper
119 100
91 87.4 58.6 87.8
134 3.0 18.9 28.3#



#66
Benzyl Chloride
Concen: 0.042 ppbv
RT: 17.25 min Scan# 4497
Delta R.T. 0.22 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Tgt Ion: 91 Resp: 5918
Ion Ratio Lower Upper
91 100
126 44.1 17.2 25.8#
128 0.0 5.5 8.3#

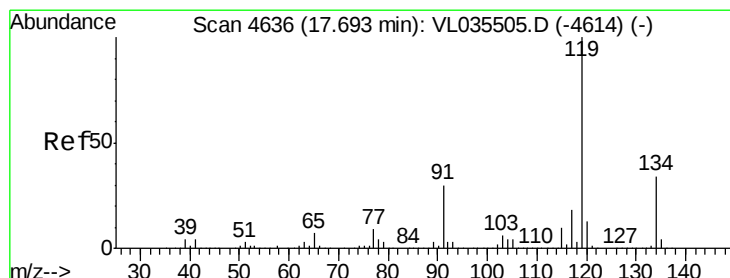
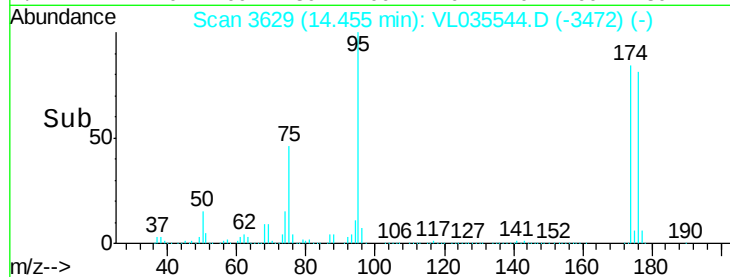
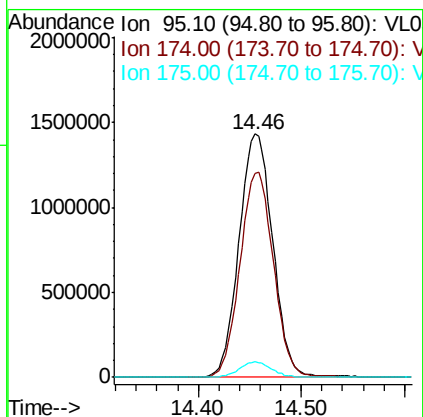
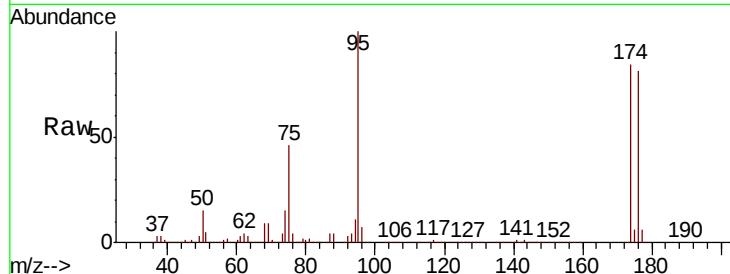




#68
1-Bromo-4-Fluorobenzene
Concen: 10.369 ppbv
RT: 14.46 min Scan# 3629
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

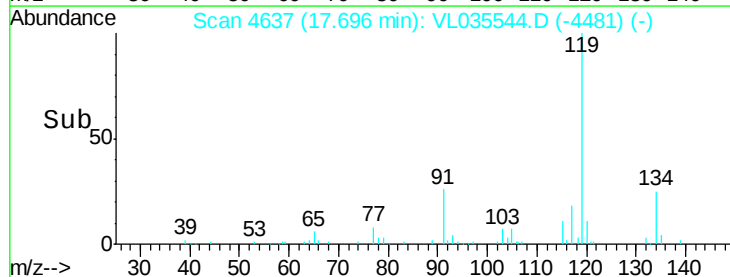
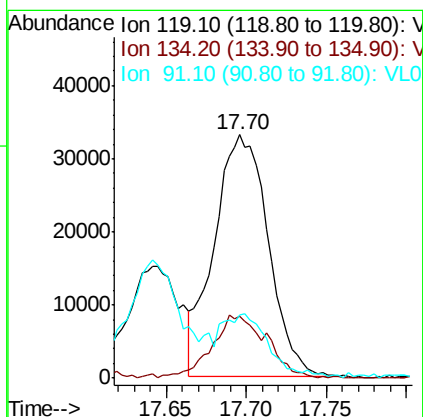
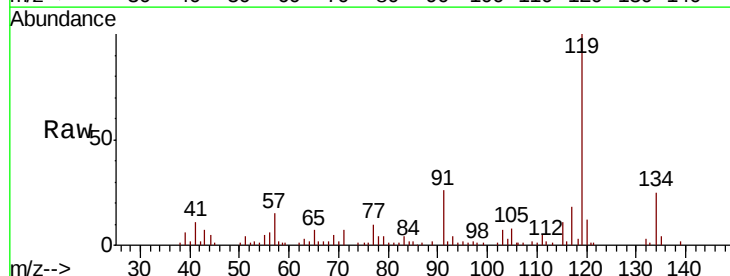
Instrument :
MSVOA_L
ClientSampleId :
IA-6

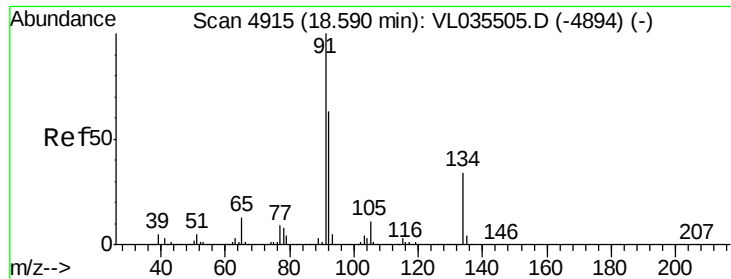
Tot Ion: 95 Resp: 3255744
Ion Ratio Lower Upper
95 100
174 84.4 69.6 104.4
175 6.1 5.1 7.7



#69
p-Isopropyltoluene
Concen: 0.114 ppbv
RT: 17.70 min Scan# 4637
Delta R.T. 0.00 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Tgt Ion: 119 Resp: 76414
Ion Ratio Lower Upper
119 100
134 26.9 25.0 37.4
91 22.5 22.3 33.5

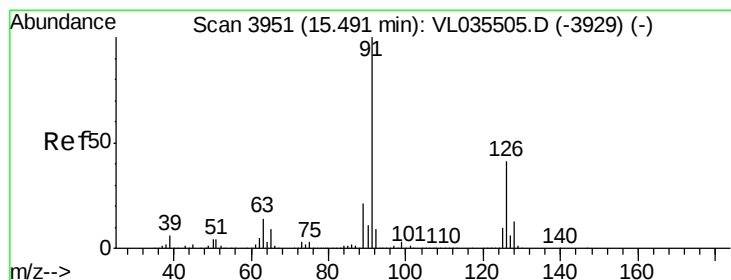
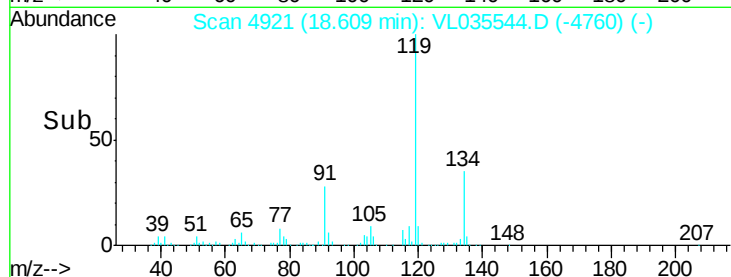
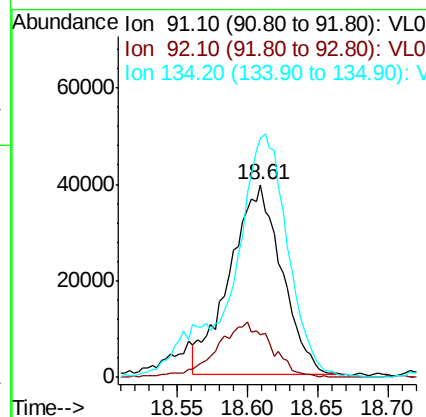
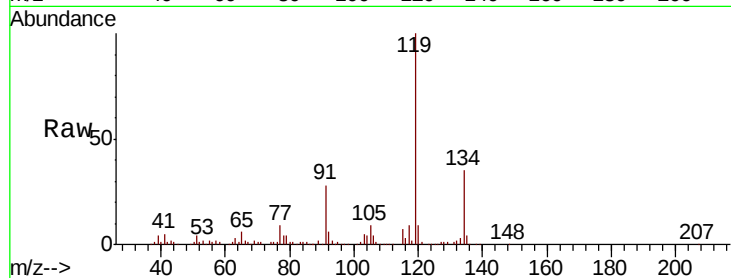




#70
n-Butylbenzene
Concen: 0.157 ppbv
RT: 18.61 min Scan# 4921
Delta R.T. 0.02 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

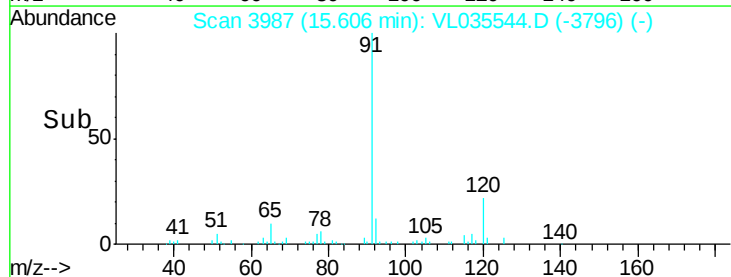
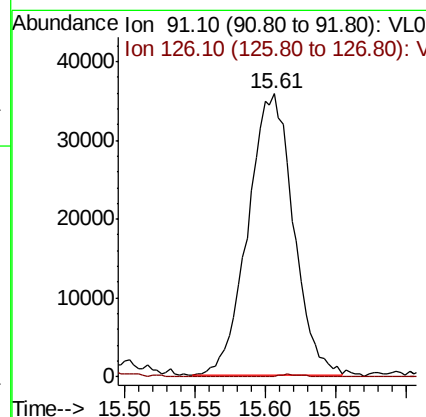
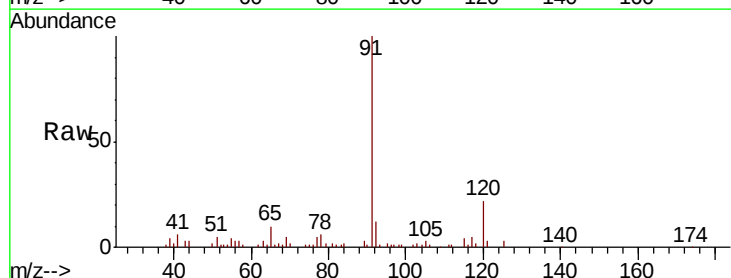
Instrument :
MSVOA_L
ClientSampleId :
IA-6

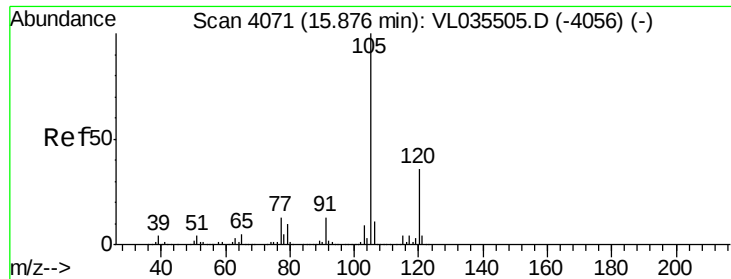
Tot Ion: 91 Resp: 101439
Ion Ratio Lower Upper
91 100
92 30.7 47.3 70.9#
134 139.0 24.6 37.0#



#71
2-Chlorotoluene
Concen: 0.178 ppbv
RT: 15.61 min Scan# 3987
Delta R.T. 0.12 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Tgt Ion: 91 Resp: 79983
Ion Ratio Lower Upper
91 100
126 0.4 15.6 62.6#





#72

4-Ethyltoluene

Concen: 0.215 ppbv

RT: 15.88 min Scan# 4073

Delta R.T. 0.01 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Instrument :

MSVOA_L

ClientSampleId :

IA-6

Tot Ion:105 Resp: 104870

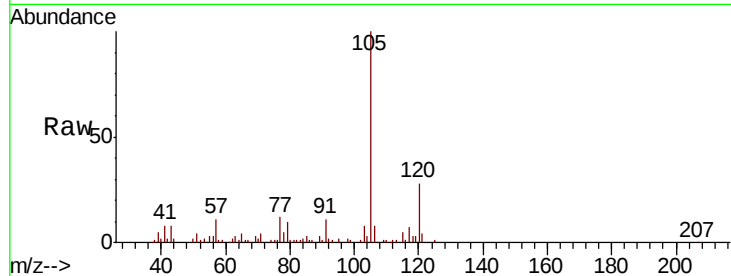
Ion Ratio Lower Upper

105 100

120 32.6 27.4 41.2

91 14.9 9.7 14.5#

77 12.6 9.6 14.4



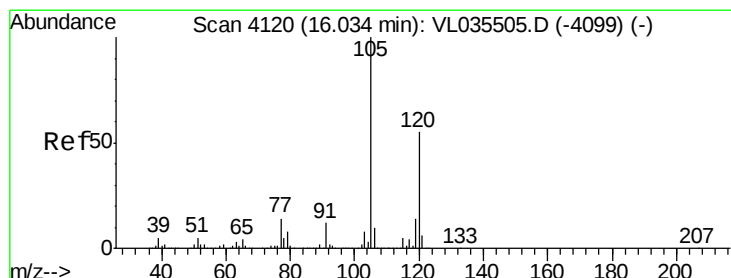
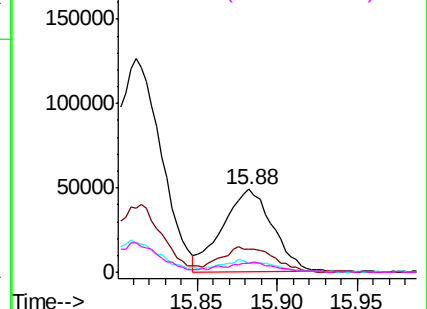
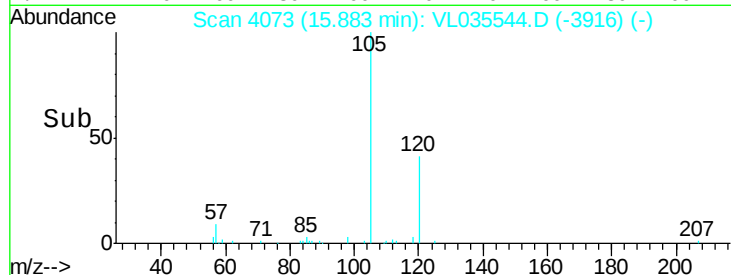
Abundance

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: 0.437 ppbv

RT: 16.04 min Scan# 4122

Delta R.T. 0.01 min

Lab File: VL035544.D

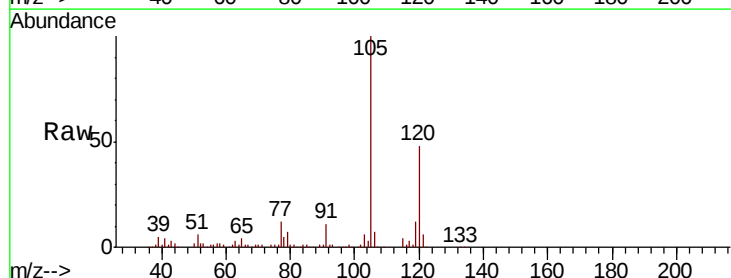
Acq: 3 Sep 2020 23:51

Tgt Ion:105 Resp: 197235

Ion Ratio Lower Upper

105 100

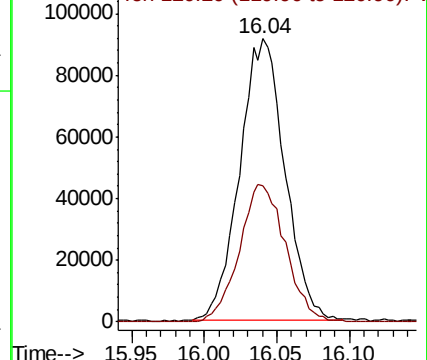
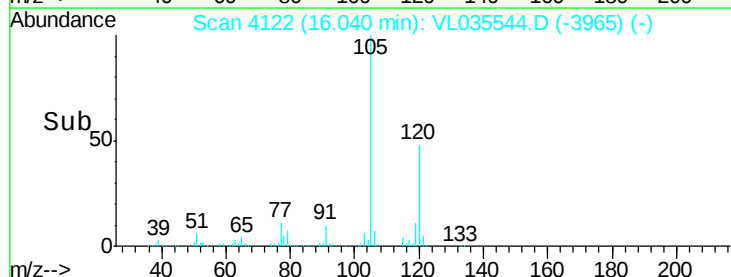
120 48.3 44.2 66.2

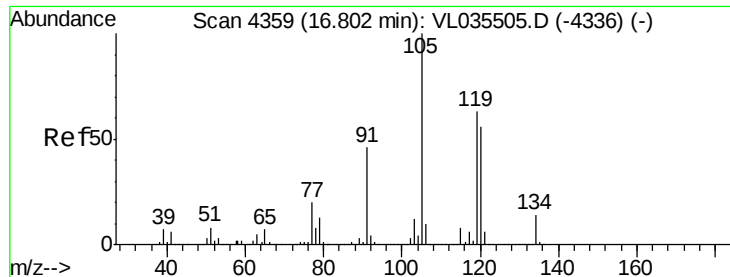


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 1.200 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.00 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Instrument :

MSVOA_L

ClientSampleId :

IA-6

Tot Ion:105 Resp: 594384

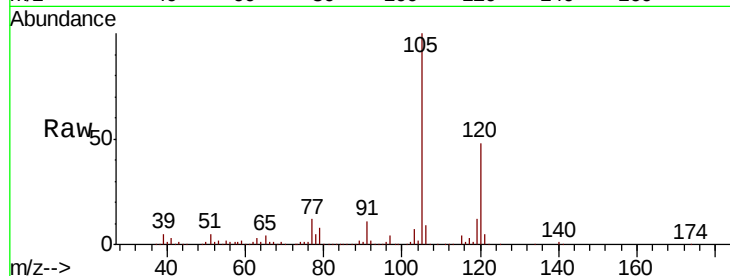
Ion Ratio Lower Upper

105 100

120 47.7 44.4 66.6

91 10.5 37.1 55.7#

77 11.9 16.0 24.0#

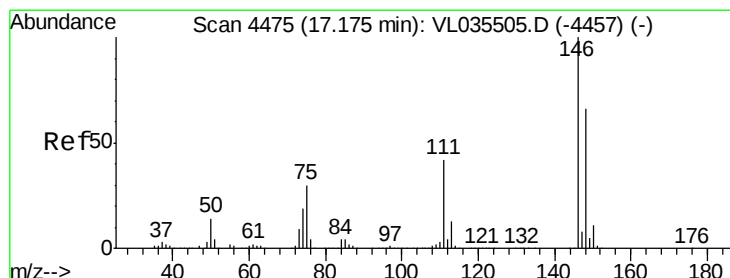
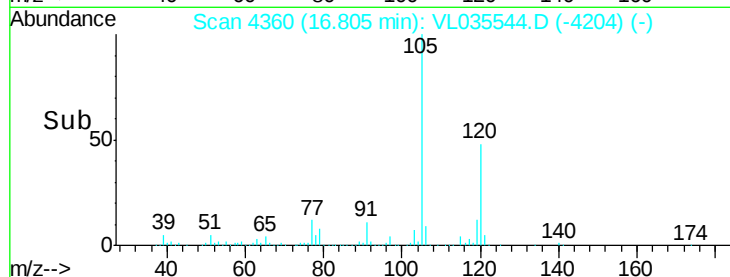
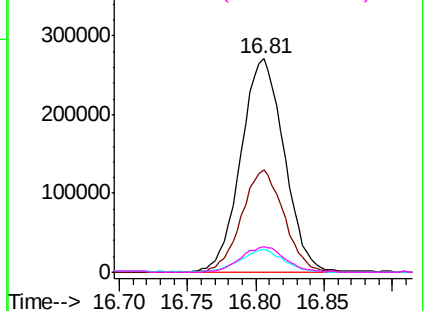


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.364 ppbv

RT: 17.18 min Scan# 4478

Delta R.T. 0.01 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

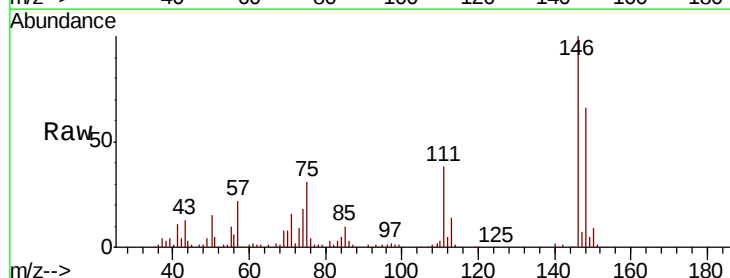
Tgt Ion:146 Resp: 131653

Ion Ratio Lower Upper

146 100

111 45.0 20.0 60.0

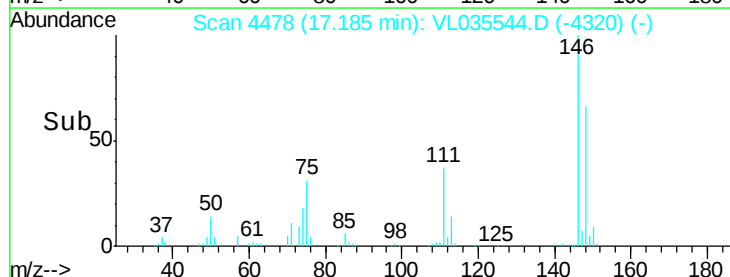
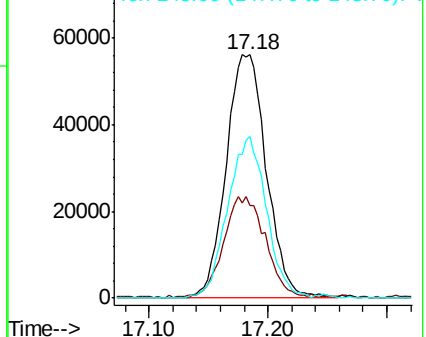
148 64.4 33.2 99.6

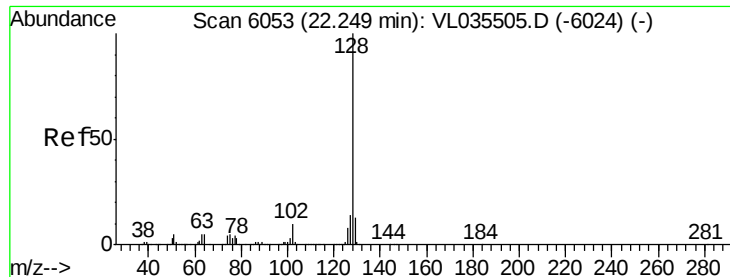


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#79

Naphthalene

Concen: 1.803 ppbv

RT: 22.26 min Scan# 6057

Delta R.T. 0.01 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Instrument :

MSVOA_L

ClientSampled :

IA-6

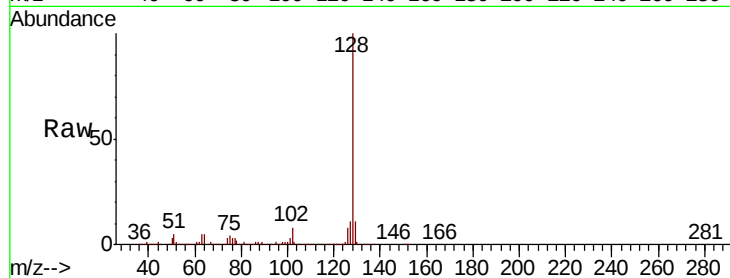
Tot Ion:128 Resp: 991103

Ion Ratio Lower Upper

128 100

127 11.5 11.4 17.2

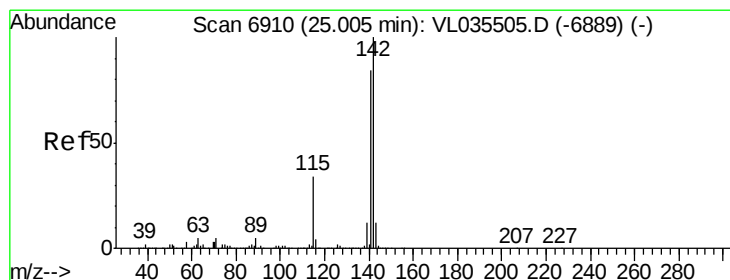
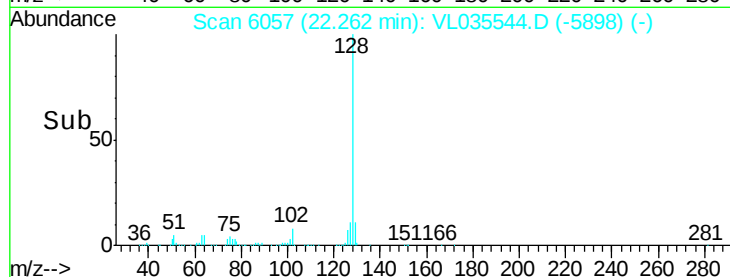
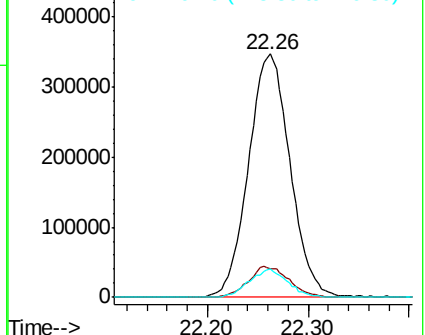
129 11.5 10.5 15.7



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: 0.060 ppbv

RT: 25.02 min Scan# 6915

Delta R.T. 0.02 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

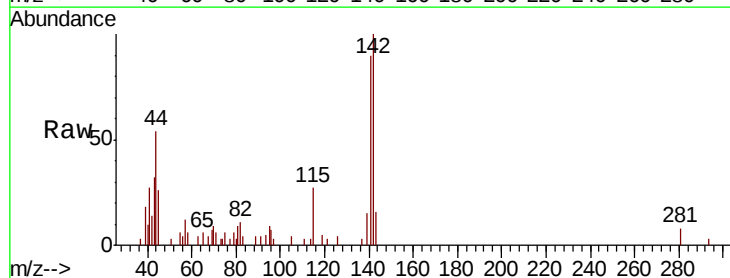
Tgt Ion:142 Resp: 11206

Ion Ratio Lower Upper

142 100

141 87.6 67.6 101.4

115 36.6 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

