

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036105.D
 Acq On : 8 Dec 2020 21:46
 Operator : SY/AP
 Sample : L4949-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

Quant Time: Dec 09 07:21:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1196039	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2616349	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	2350710	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1999244	10.71	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.10%

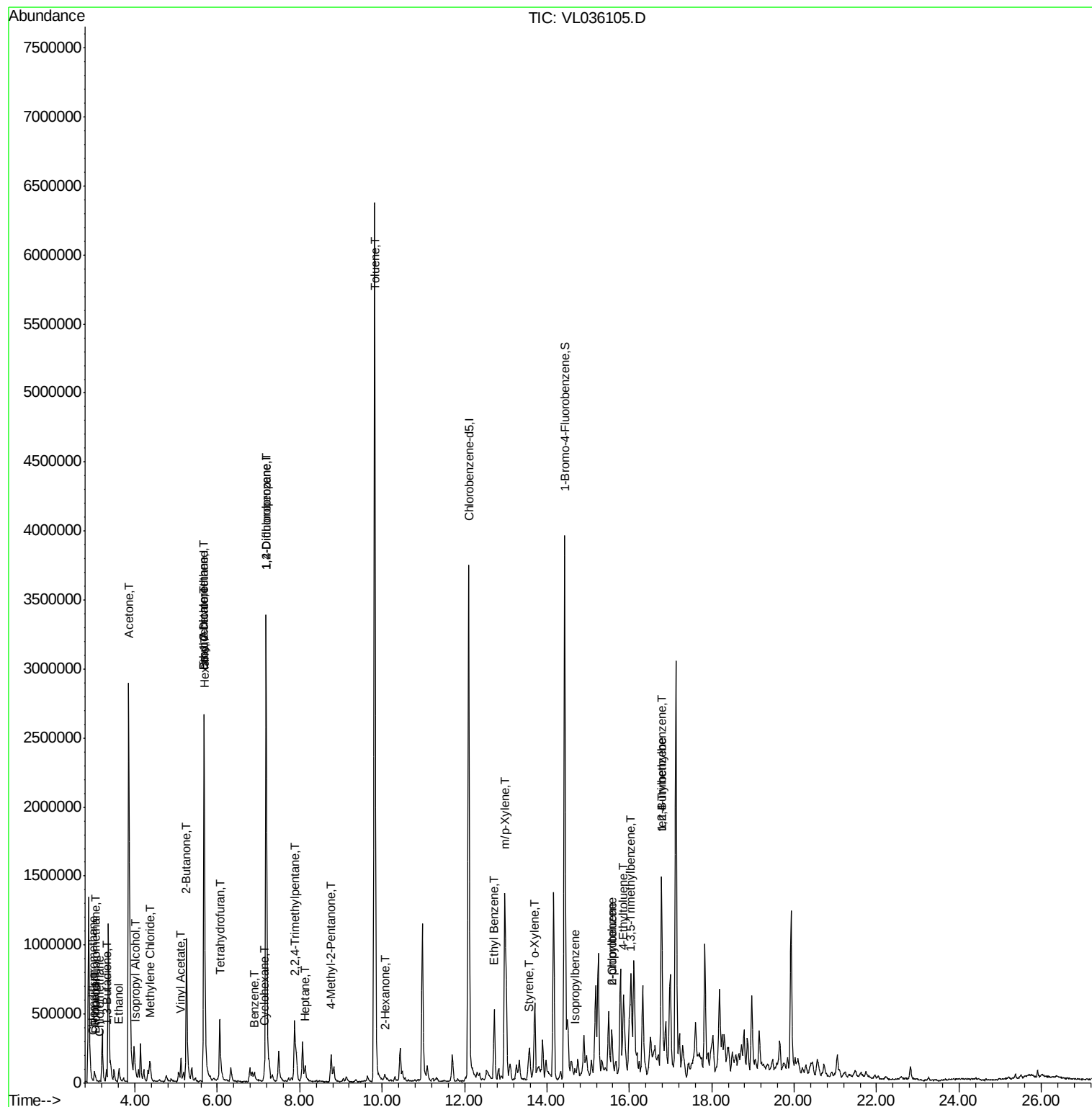
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	5414	0.039	ppbv #	73
3) Chlorodifluoromethane	2.98	51	6417	0.047	ppbv	96
4) Chloromethane	3.14	50	2353	0.035	ppbv	89
9) Propene	3.02	41	25962	0.380	ppbv	100
10) Heptane	8.13	43	19553	0.112	ppbv #	1
13) Ethanol	3.61	45	102950	10.925	ppbv	98
15) Acetone	3.85	43	4108975	28.585	ppbv	96
16) 1,3-Butadiene	3.31	39	26502	0.366	ppbv #	48
19) Isopropyl Alcohol	4.02	45	15099	0.172	ppbv #	100
20) Methylene Chloride	4.35	84	31275	0.531	ppbv #	93
23) Vinyl Acetate	5.12	43	78919	0.412	ppbv #	60
25) Ethyl Acetate	5.68	43	1002951	3.493	ppbv #	91
26) Hexane	5.69	57	75315	0.583	ppbv #	1
30) Cyclohexane	7.14	84	11015	0.116	ppbv #	1
31) cis-1,2-Dichloroethene	5.68	61	108559	0.924	ppbv #	29
34) 2-Butanone	5.25	43	1478643	8.520	ppbv	100
36) Benzene	6.90	78	33526	0.151	ppbv #	90
39) 1,2-Dichloropropane	7.19	63	774047	8.840	ppbv #	24
41) Tetrahydrofuran	6.06	42	314778	3.053	ppbv	97
44) 2,2,4-Trimethylpentane	7.88	57	460295	1.146	ppbv #	70
50) 4-Methyl-2-Pentanone	8.75	43	182826	0.706	ppbv	99
51) 2-Hexanone	10.07	43	7005	0.035	ppbv #	71
53) Toluene	9.82	91	5028153	20.195	ppbv	97
58) Ethyl Benzene	12.72	91	470914	1.462	ppbv	96
59) m/p-Xylene	12.98	91	1457595	5.372	ppbv	96
60) o-Xylene	13.70	91	433819	1.697	ppbv	98
61) Styrene	13.55	104	6755	0.041	ppbv #	1
62) Isopropylbenzene	14.68	105	32526	0.086	ppbv #	74
64) n-propylbenzene	15.57	120	26427	0.290	ppbv #	1
65) tert-Butylbenzene	16.78	119	75808	0.244	ppbv #	59
71) 2-Chlorotoluene	15.57	91	254145	0.887	ppbv #	46
72) 4-Ethyltoluene	15.86	105	296191	1.070	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	274416	1.038	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	753094	2.837	ppbv #	62

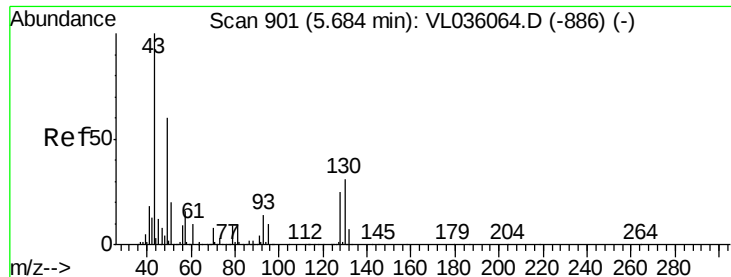
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL036105.D

Acq: 8 Dec 2020 21:46

Instrument :

MSVOA_L

ClientSampleId :

IA-2DL

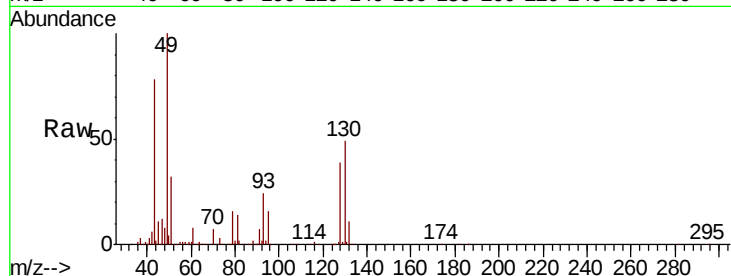
Tot Ion: 49 Resp: 1196039

Ion Ratio Lower Upper

49 100

128 38.6 21.1 63.1

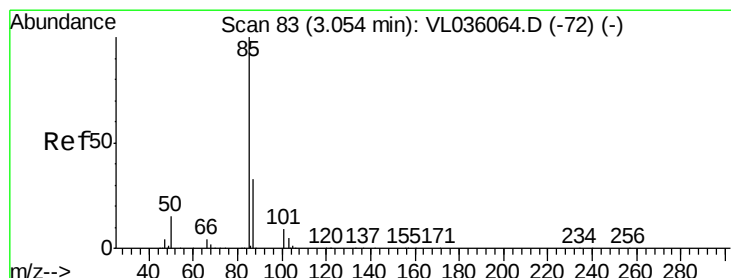
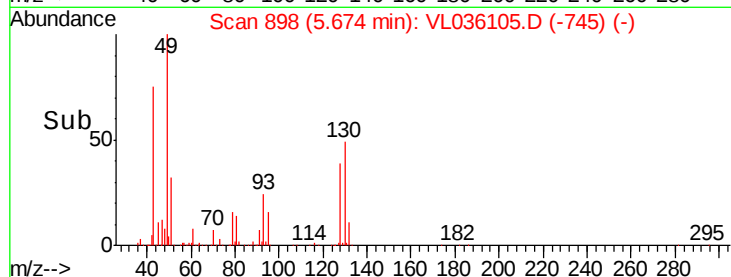
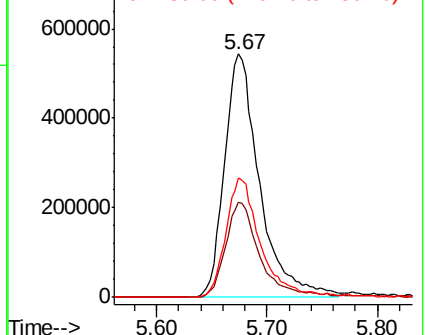
130 49.3 27.1 81.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.039 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL036105.D

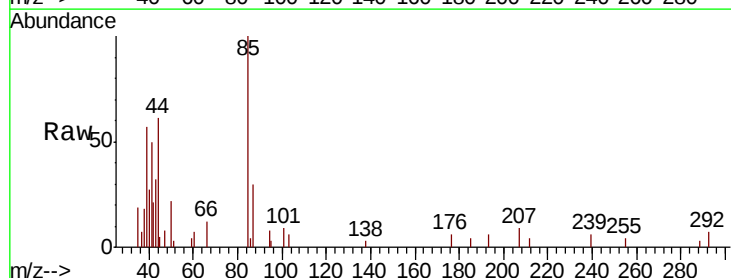
Acq: 8 Dec 2020 21:46

Tgt Ion: 85 Resp: 5414

Ion Ratio Lower Upper

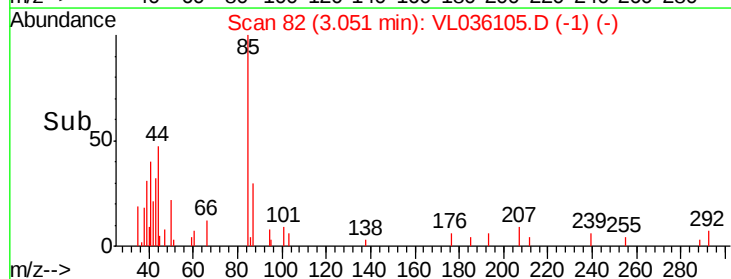
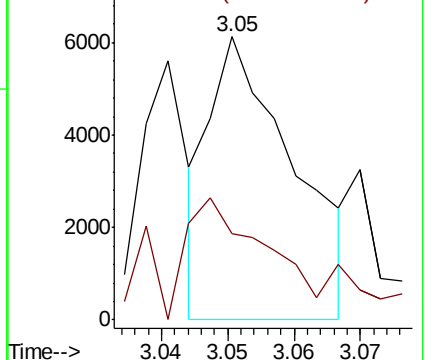
85 100

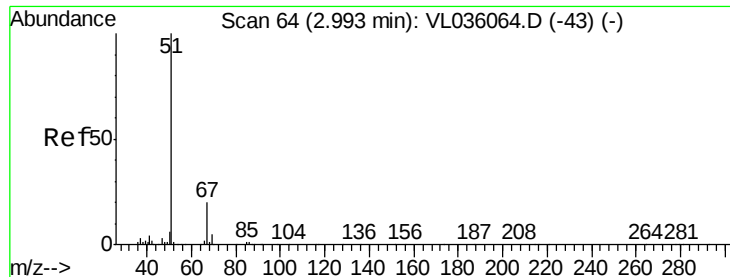
87 17.6 26.5 39.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.047 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.01 min

Lab File: VL036105.D

Acq: 8 Dec 2020 21:46

Instrument :

MSVOA_L

ClientSampleId :

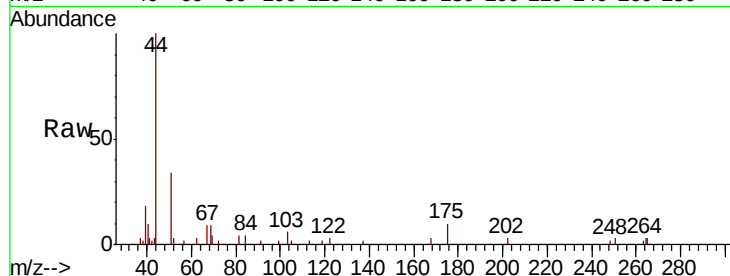
IA-2DL

Tot Ion: 51 Resp: 6417

Ion Ratio Lower Upper

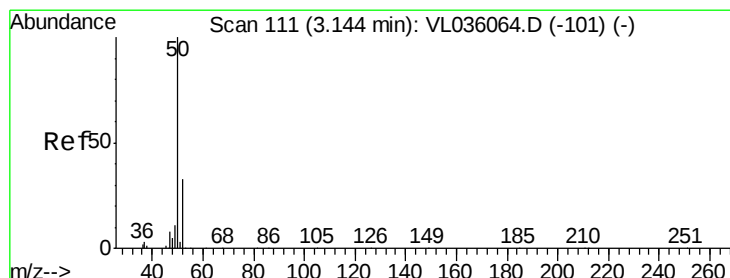
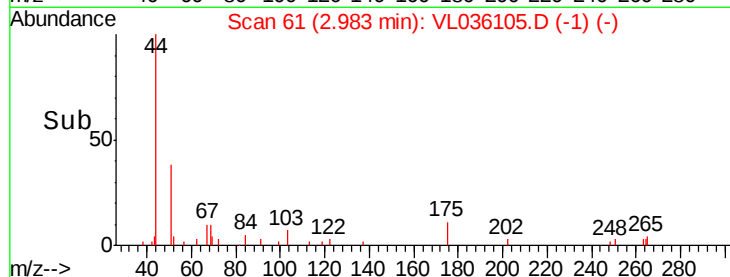
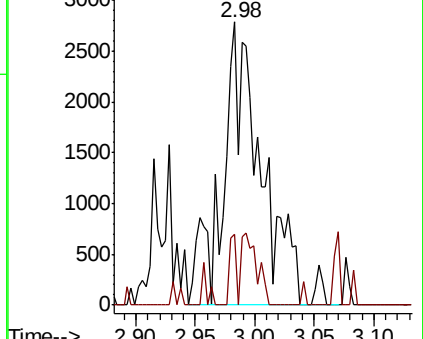
51 100

67 15.9 14.3 21.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.035 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL036105.D

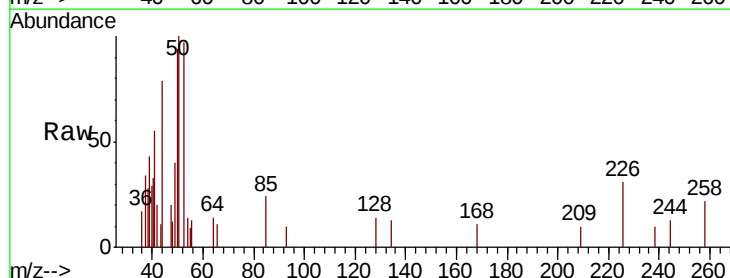
Acq: 8 Dec 2020 21:46

Tgt Ion: 50 Resp: 2353

Ion Ratio Lower Upper

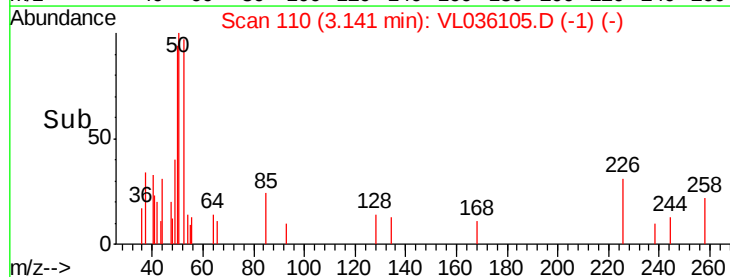
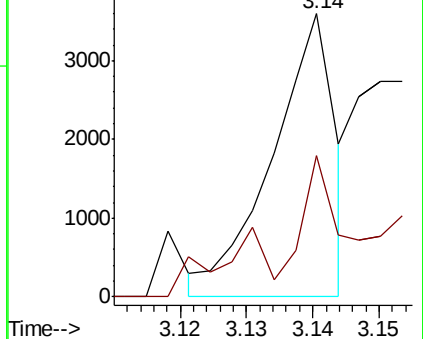
50 100

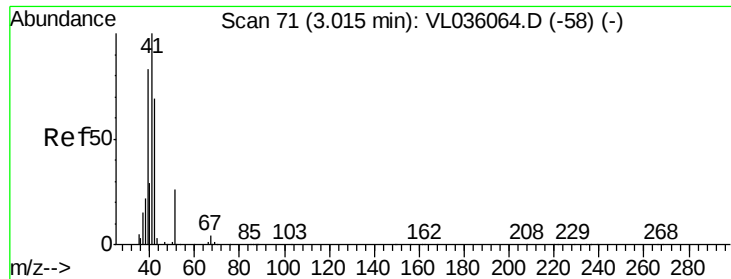
52 39.0 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.380 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL036105.D

Acq: 8 Dec 2020 21:46

Instrument :

MSVOA_L

ClientSampleId :

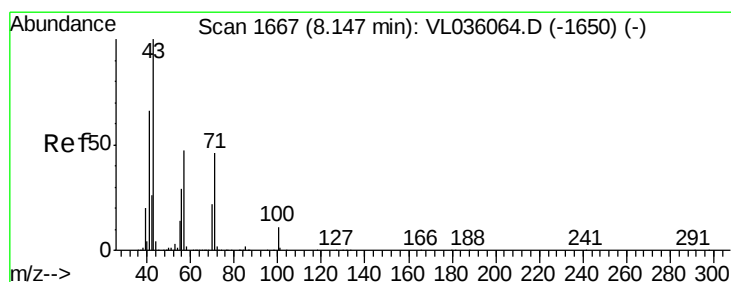
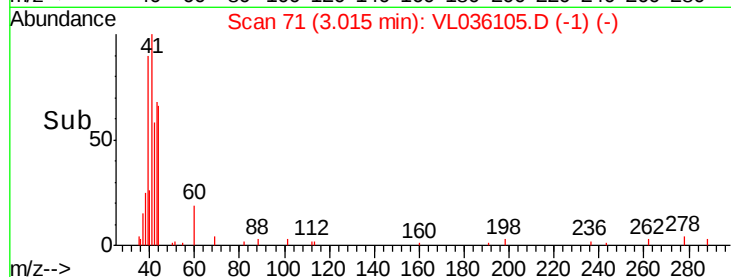
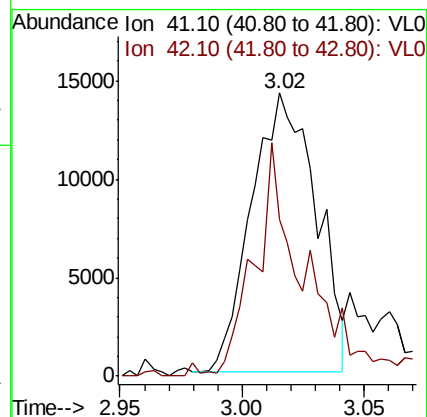
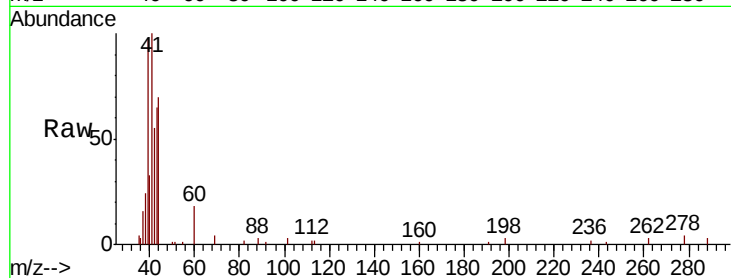
IA-2DL

Tot Ion: 41 Resp: 25962

Ion Ratio Lower Upper

41 100

42 71.5 57.0 85.6



#10

Heptane

Concen: 0.112 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.02 min

Lab File: VL036105.D

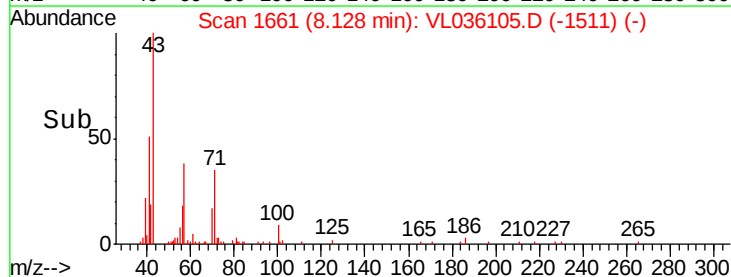
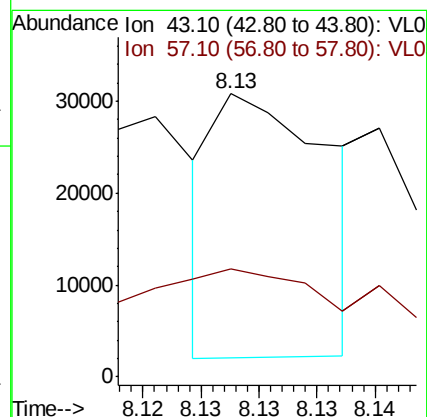
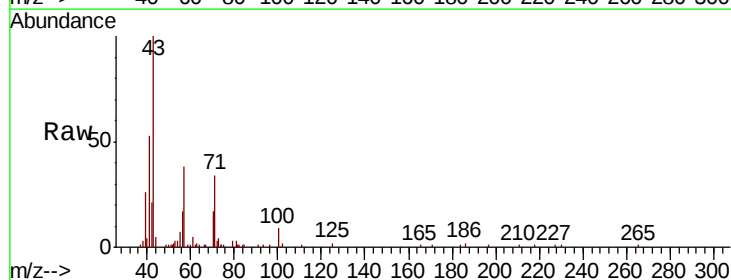
Acq: 8 Dec 2020 21:46

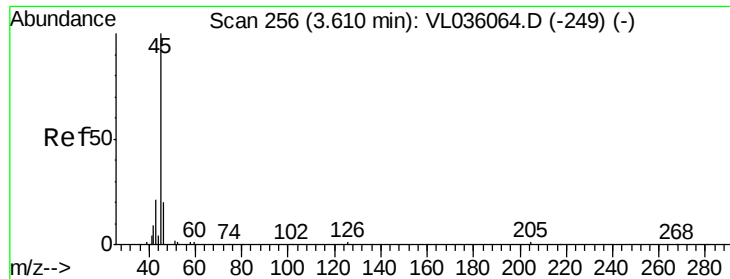
Tgt Ion: 43 Resp: 19553

Ion Ratio Lower Upper

43 100

57 142.9 37.9 56.9#





#13

Ethanol

Concen: 10.925 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL036105.D

Acq: 8 Dec 2020 21:46

Instrument :

MSVOA_L

ClientSampleId :

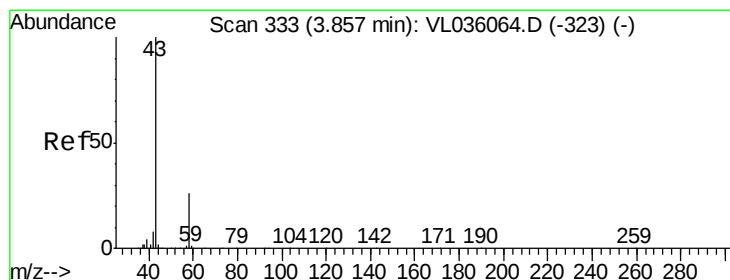
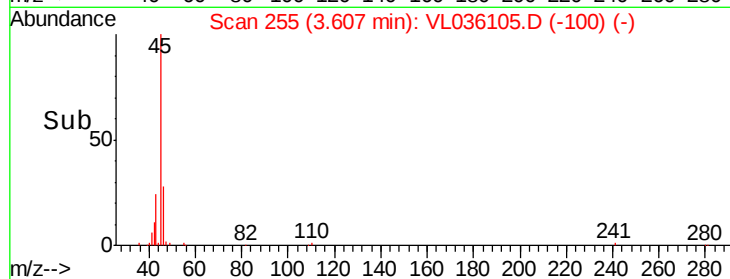
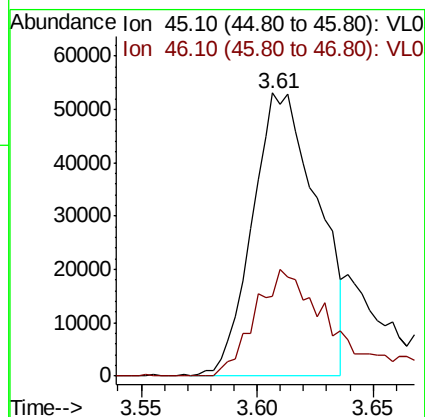
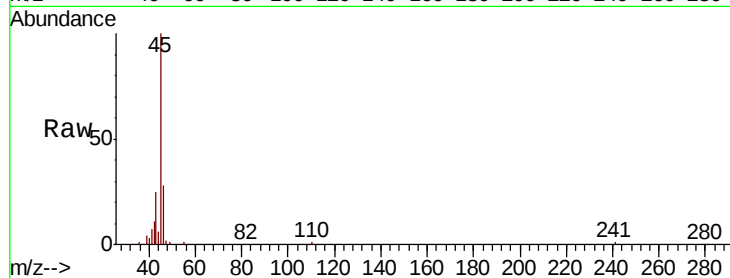
IA-2DL

Tot Ion: 45 Resp: 102950

Ion Ratio Lower Upper

45 100

46 45.8 19.0 75.8



#15

Acetone

Concen: 28.585 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL036105.D

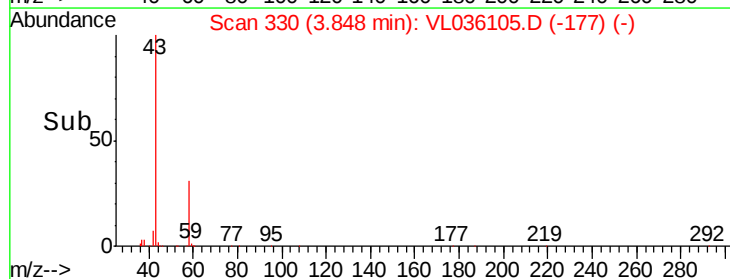
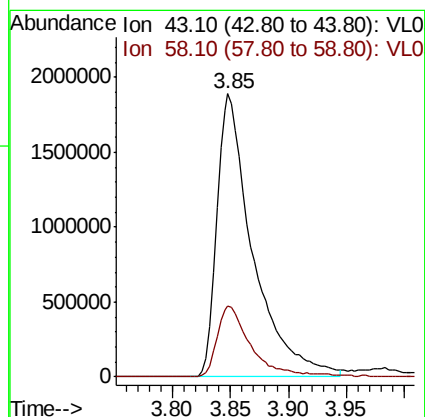
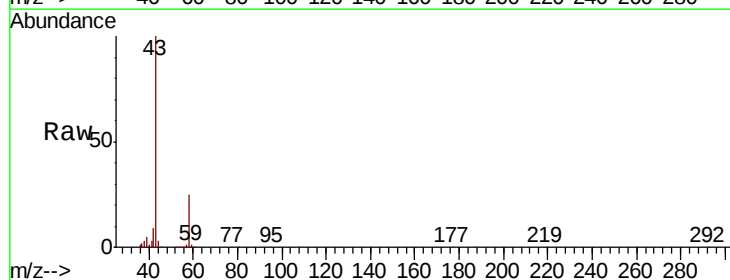
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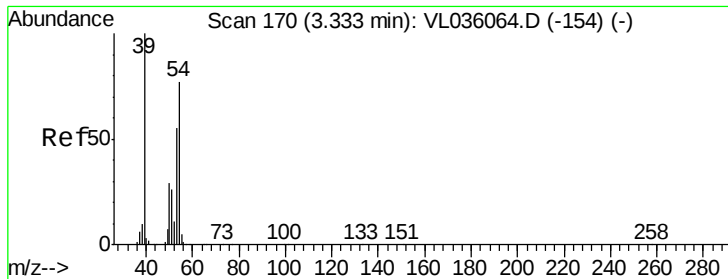
Tgt Ion: 43 Resp: 4108975

Ion Ratio Lower Upper

43 100

58 24.3 20.9 31.3

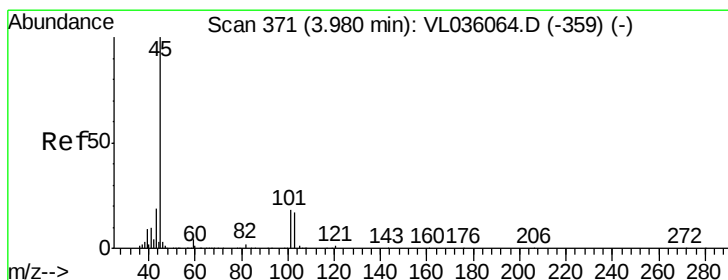
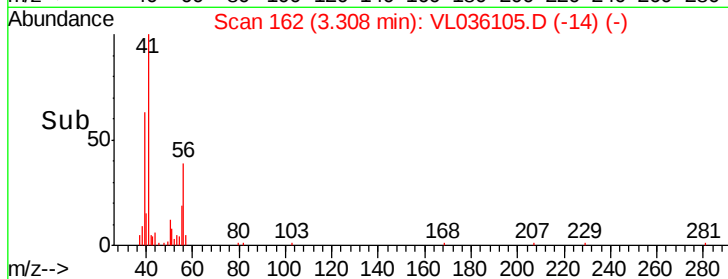
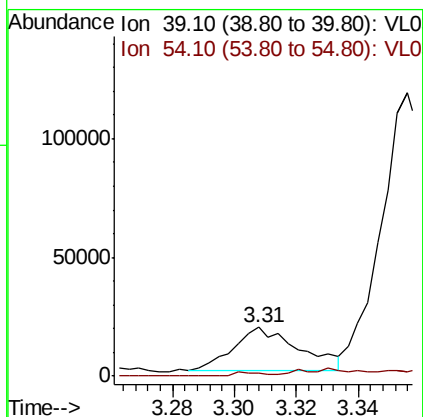
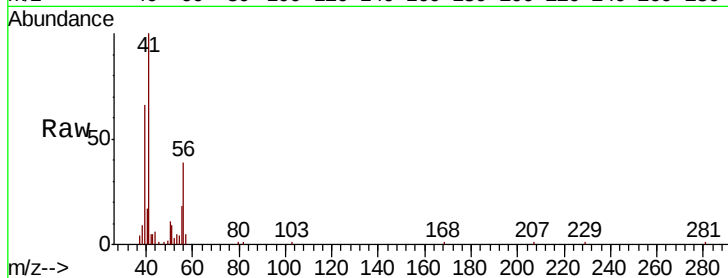




#16
 1,3-Butadiene
 Concen: 0.366 ppbv
 RT: 3.31 min Scan# 162
 Delta R.T. -0.03 min
 Lab File: VL036105.D
 Acq: 8 Dec 2020 21:46

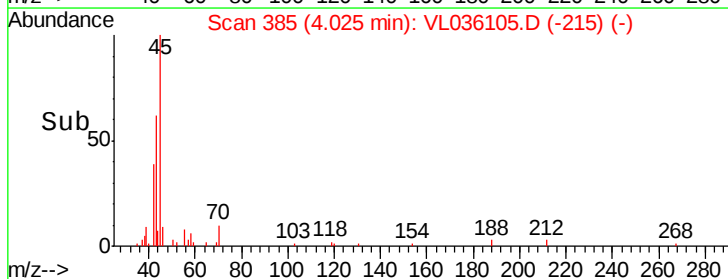
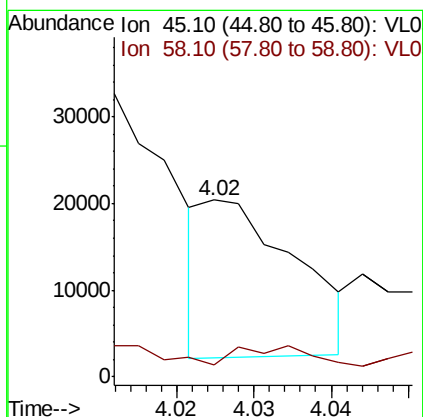
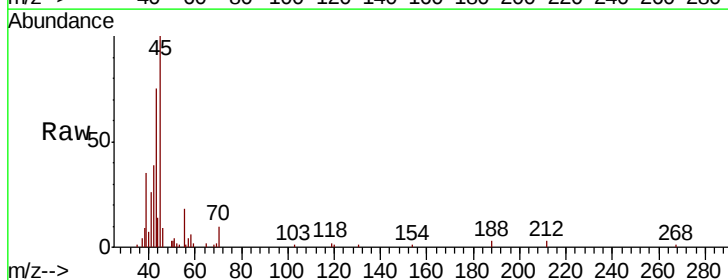
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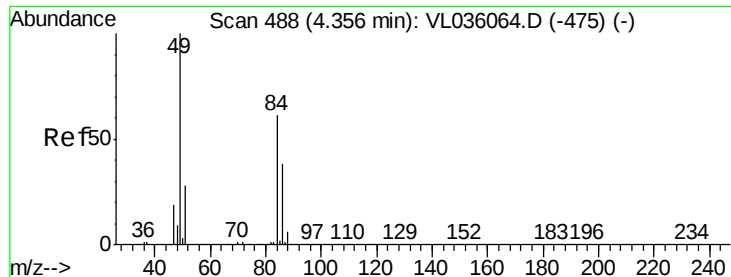
Tot Ion: 39 Resp: 26502
 Ion Ratio Lower Upper
 39 100
 54 32.3 62.1 93.1#



#19
 Isopropyl Alcohol
 Concen: 0.172 ppbv
 RT: 4.02 min Scan# 385
 Delta R.T. 0.05 min
 Lab File: VL036105.D
 Acq: 8 Dec 2020 21:46

Tgt Ion: 45 Resp: 15099
 Ion Ratio Lower Upper
 45 100
 58 0.0 0.0 0.0

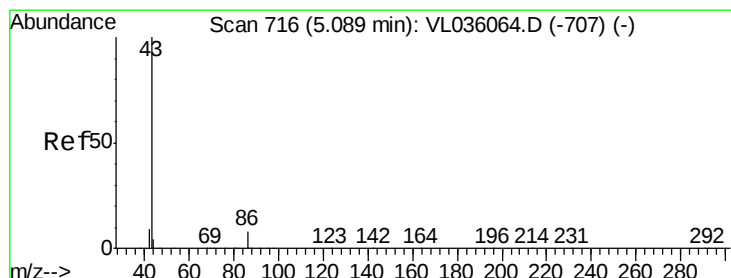
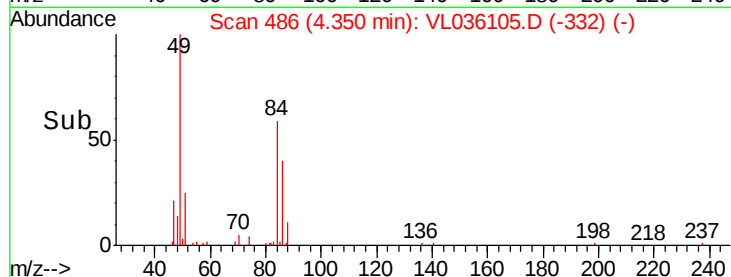
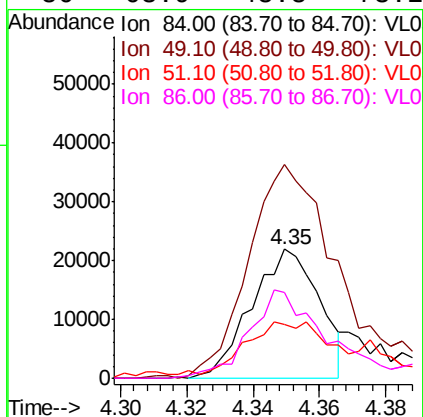
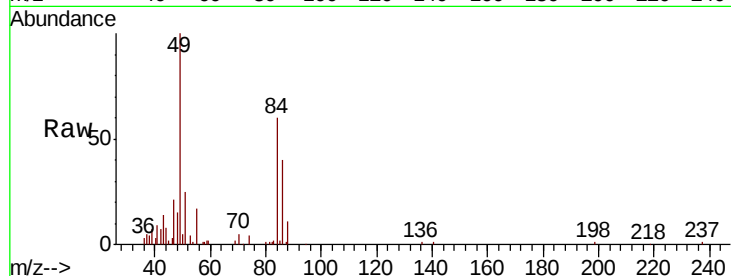




#20
Methylene Chloride
Concen: 0.531 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL036105.D
Acq: 8 Dec 2020 21:46

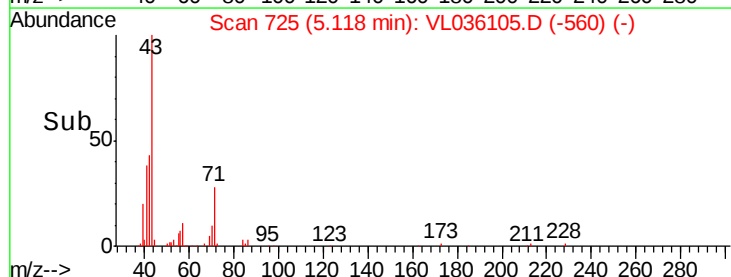
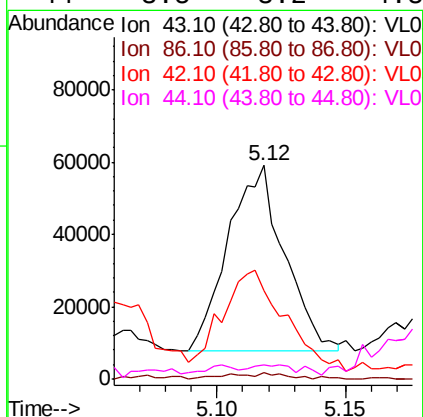
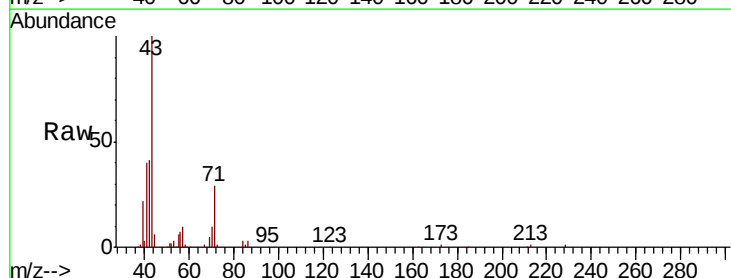
Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

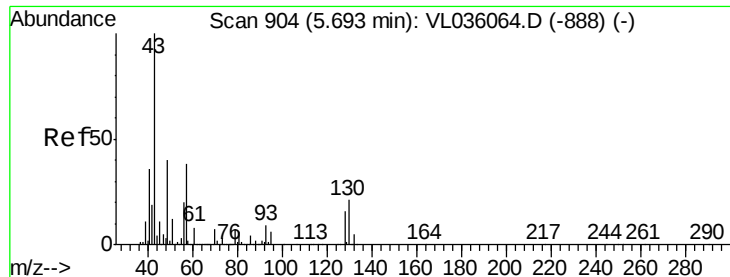
Tot Ion:	84	Resp:	31275
Ion	Ratio	Lower	Upper
84	100		
49	160.6	133.0	199.4
51	36.3	38.9	58.3#
86	63.9	48.8	73.2



#23
Vinyl Acetate
Concen: 0.412 ppbv
RT: 5.12 min Scan# 725
Delta R.T. 0.03 min
Lab File: VL036105.D
Acq: 8 Dec 2020 21:46

Tgt Ion:	43	Resp:	78919
Ion	Ratio	Lower	Upper
43	100		
86	3.6	5.0	7.4#
42	37.9	7.8	11.6#
44	3.5	3.2	4.8

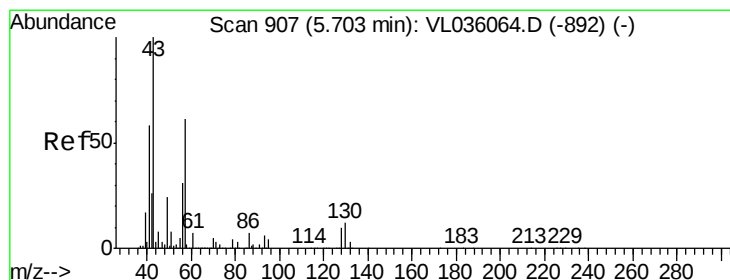
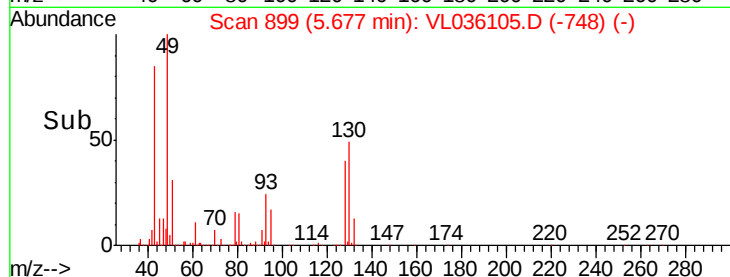
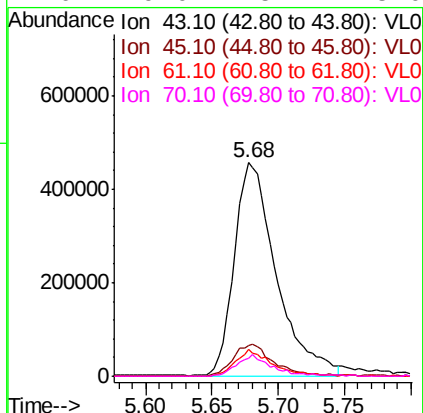
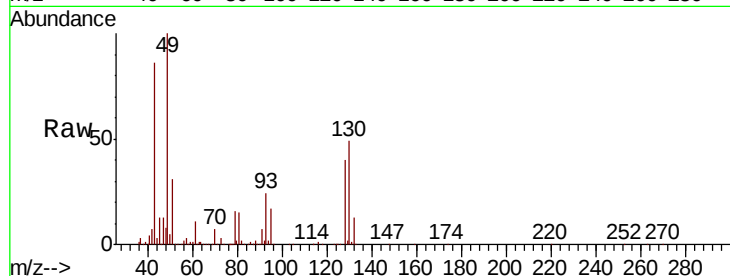




#25
Ethyl Acetate
Concen: 3.493 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.02 min
Lab File: VL036105.D
Acq: 8 Dec 2020 21:46

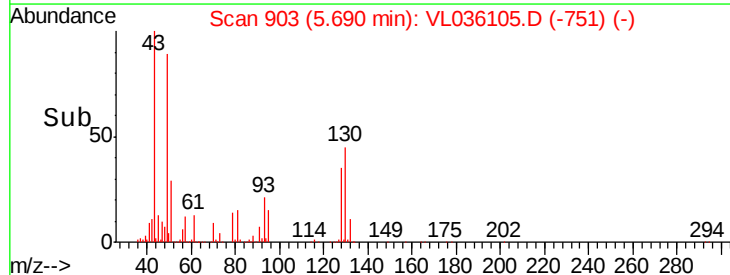
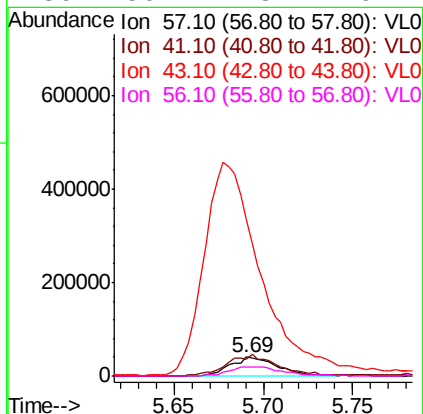
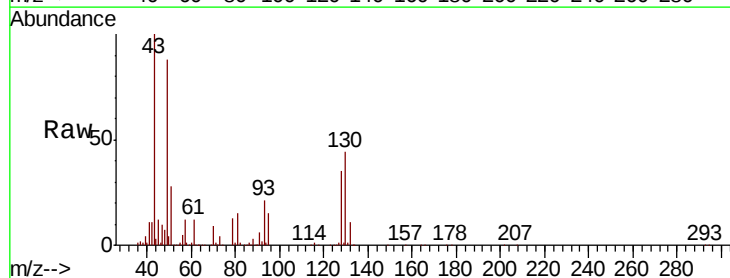
Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

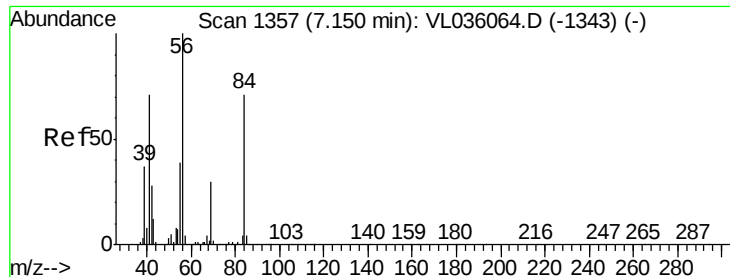
Tot Ion: 43 Resp: 1002951
Ion Ratio Lower Upper
43 100
45 15.3 8.2 12.4#
61 11.6 7.4 11.2#
70 9.0 5.4 8.0#



#26
Hexane
Concen: 0.583 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL036105.D
Acq: 8 Dec 2020 21:46

Tgt Ion: 57 Resp: 75315
Ion Ratio Lower Upper
57 100
41 121.5 82.9 124.3
43 1387.5 199.9 299.9#
56 56.2 43.1 64.7

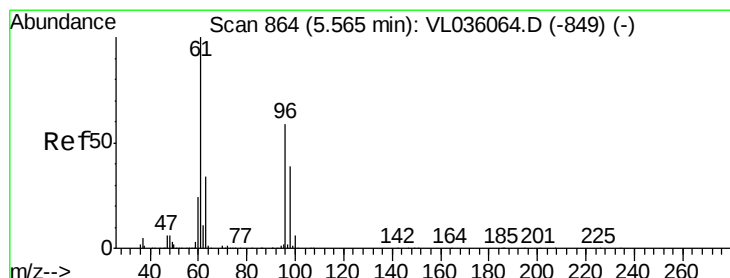
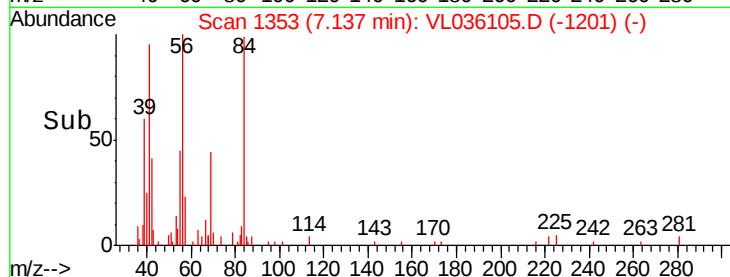
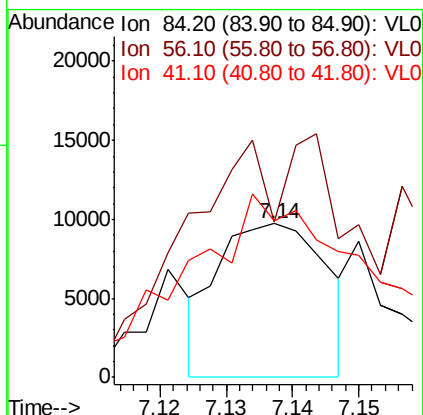
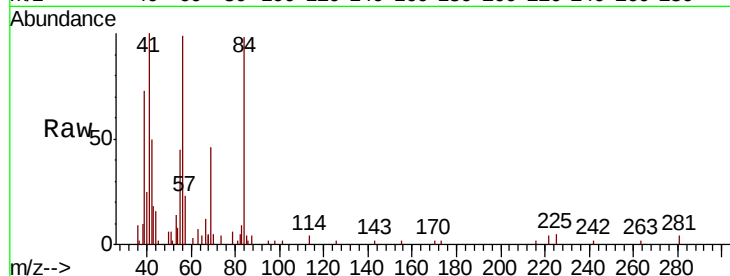




#30
Cvclohexane
Concen: 0.116 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL036105.D
Acq: 8 Dec 2020 21:46

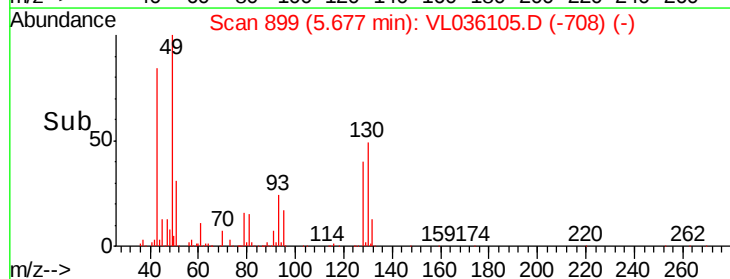
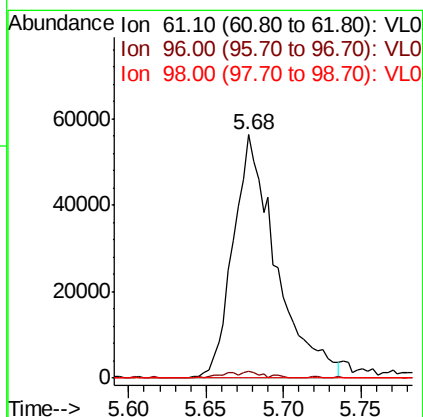
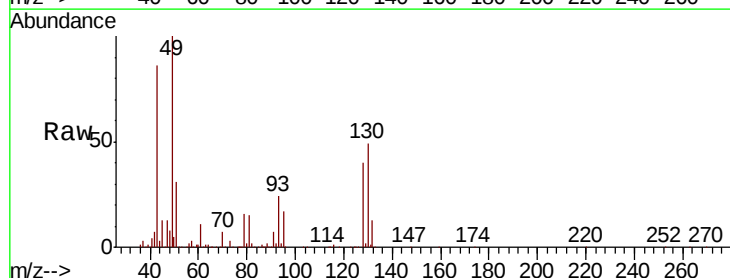
Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

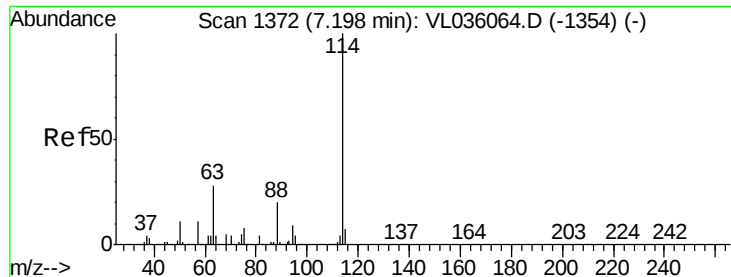
Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	128.0	192.0#
41	201.1	81.3	121.9#



#31
cis-1,2-Dichloroethene
Concen: 0.924 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.11 min
Lab File: VL036105.D
Acq: 8 Dec 2020 21:46

Tgt Ion	Ratio	Lower	Upper
61	100		
96	2.8	47.3	70.9#
98	0.0	31.4	47.0#

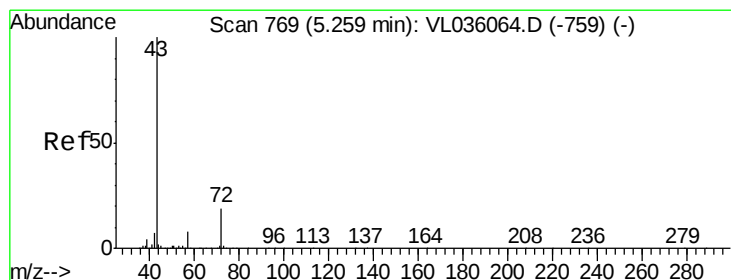
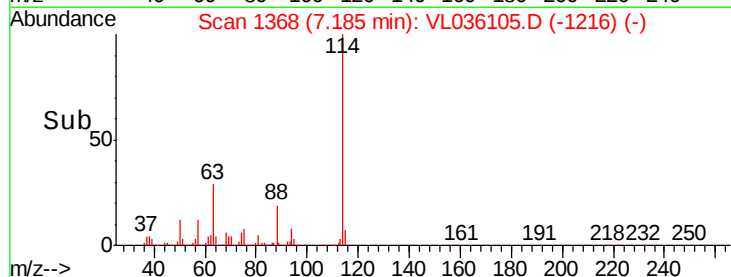
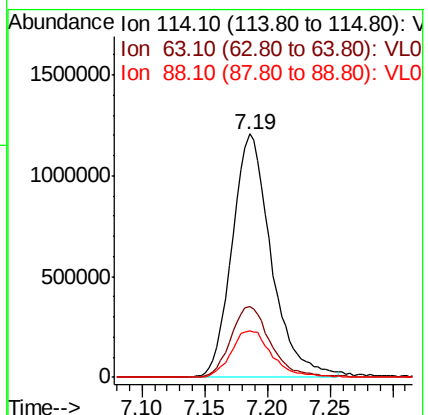
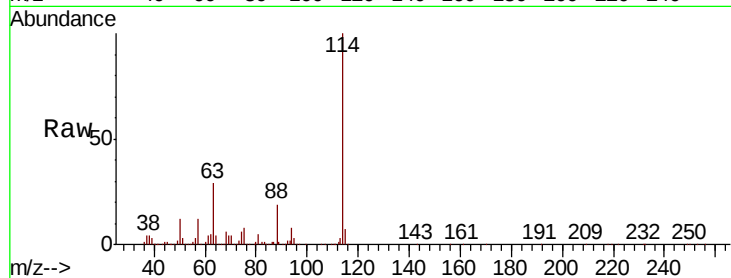




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VL036105.D
 Acq: 8 Dec 2020 21:46

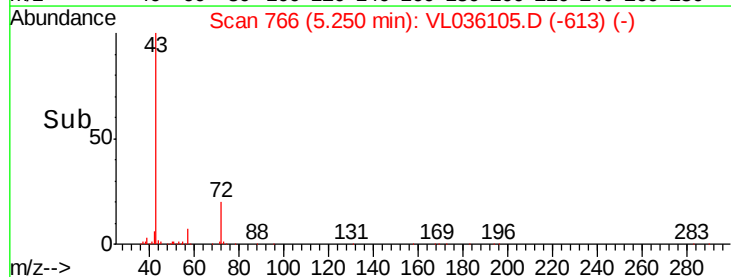
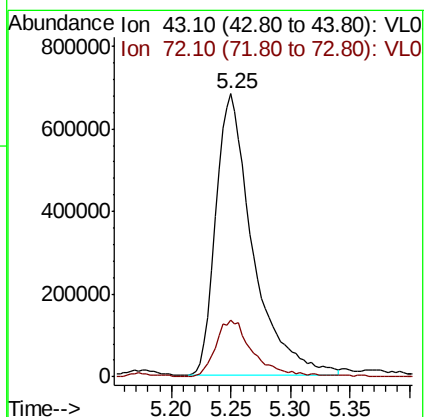
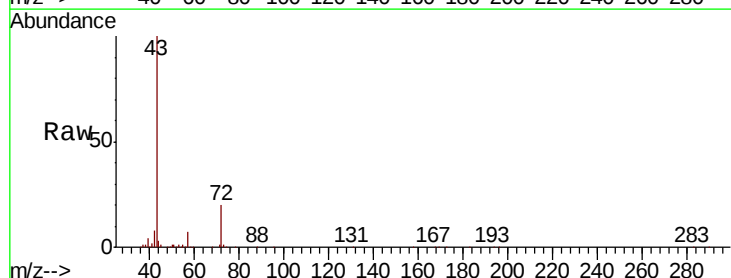
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

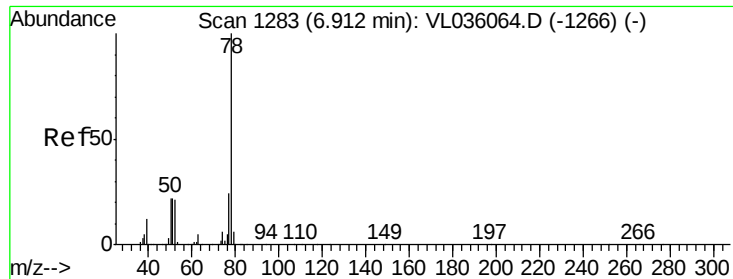
Tot Ion:114 Resp: 2616349
 Ion Ratio Lower Upper
 114 100
 63 30.1 23.6 35.4
 88 20.2 15.8 23.6



#34
 2-Butanone
 Concen: 8.520 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. -0.01 min
 Lab File: VL036105.D
 Acq: 8 Dec 2020 21:46

Tgt Ion: 43 Resp: 1478643
 Ion Ratio Lower Upper
 43 100
 72 20.6 16.5 24.7





#36

Benzene

Concen: 0.151 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VL036105.D

Acq: 8 Dec 2020 21:46

Instrument :

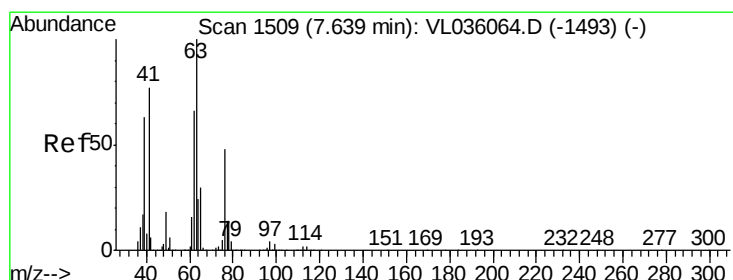
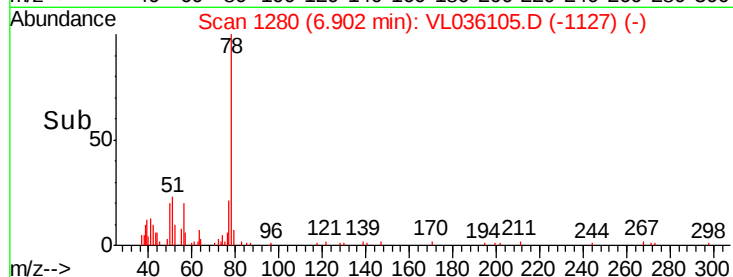
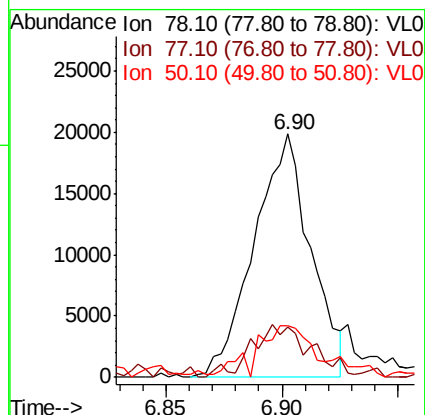
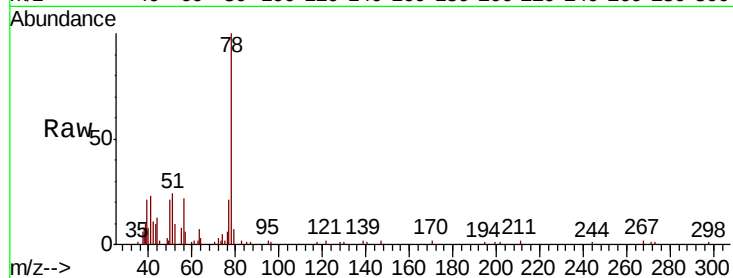
MSVOA_L

ClientSampled :

IA-2DL

Tot Ion: 78 Resp: 33526

Ion	Ratio	Lower	Upper
78	100		
77	16.5	19.4	29.2#
50	20.1	17.8	26.8



#39

1,2-Dichloropropane

Concen: 8.840 ppbv

RT: 7.19 min Scan# 1368

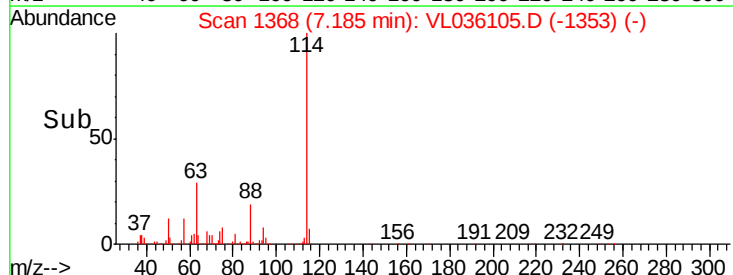
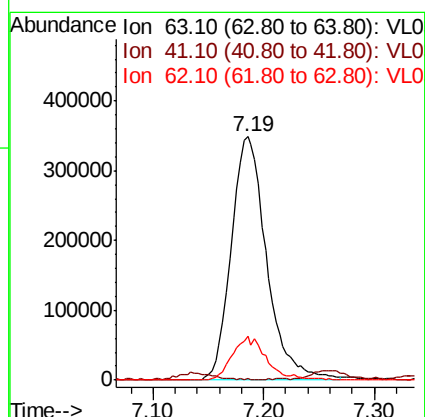
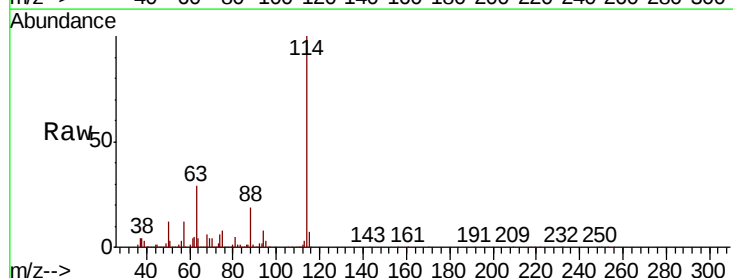
Delta R.T. -0.45 min

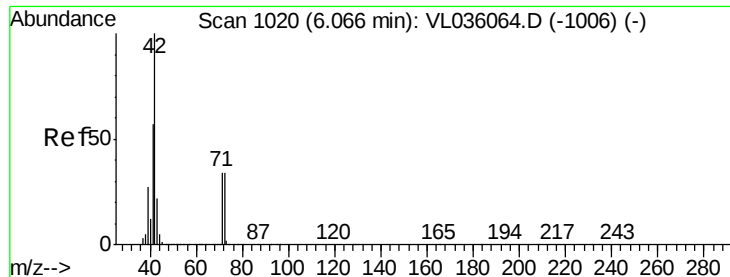
Lab File: VL036105.D

Acq: 8 Dec 2020 21:46

Tgt Ion: 63 Resp: 774047

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.9	92.9#
62	18.2	52.5	78.7#

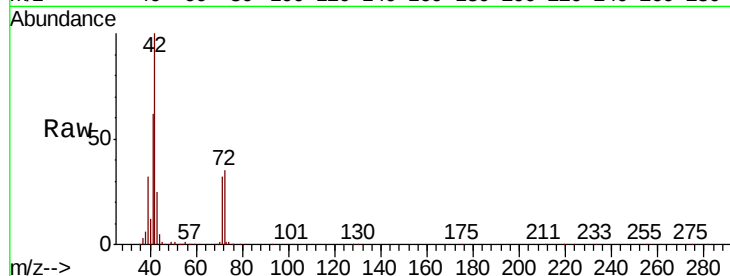




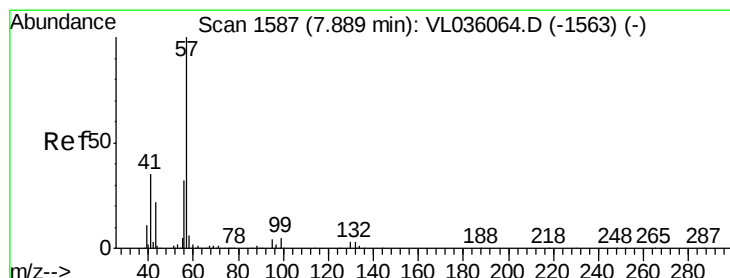
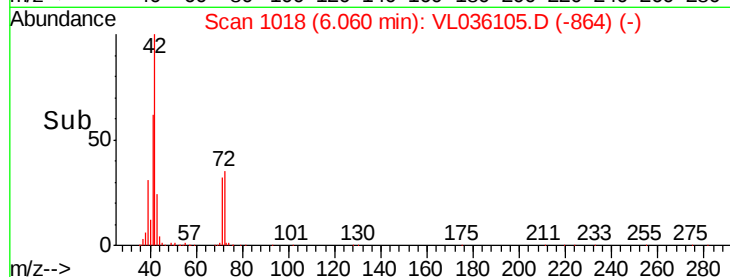
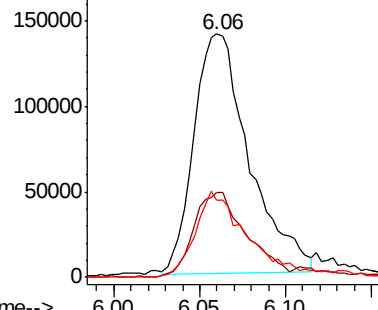
#41
Tetrahydrofuran
Concen: 3.053 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VL036105.D
Acq: 8 Dec 2020 21:46

Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	28.3	42.5
71	35.9	27.3	40.9

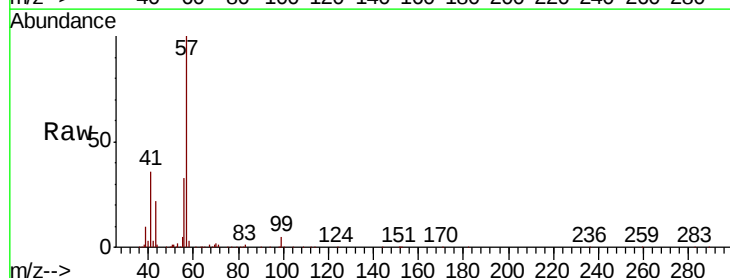


Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0

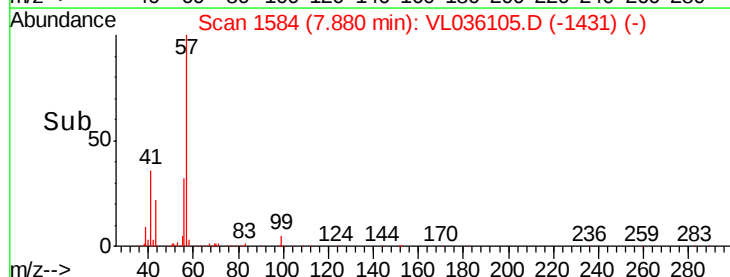
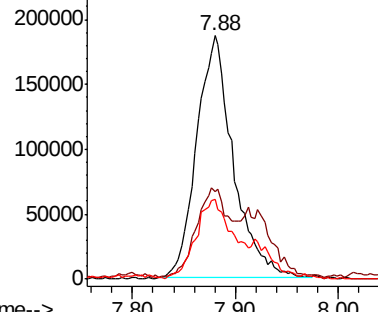


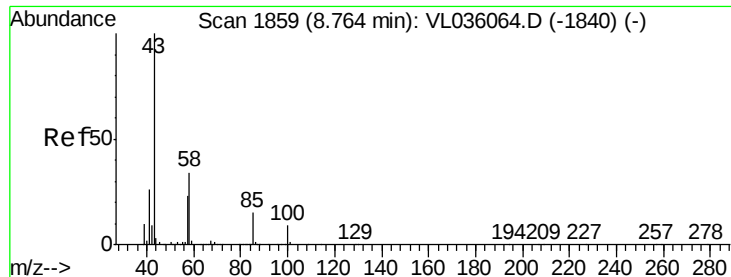
#44
2,2,4-Trimethylpentane
Concen: 1.146 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.01 min
Lab File: VL036105.D
Acq: 8 Dec 2020 21:46

Tgt Ion	Ratio	Lower	Upper
57	100		
41	59.8	28.9	43.3#
56	42.2	25.3	37.9#



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

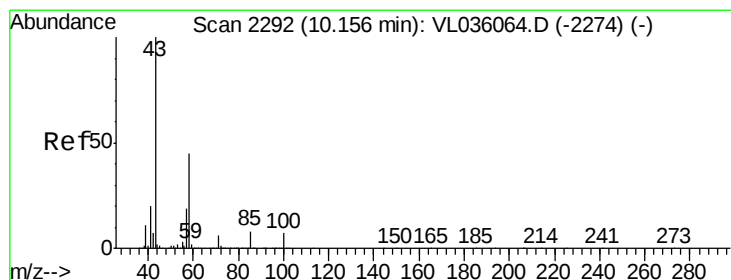
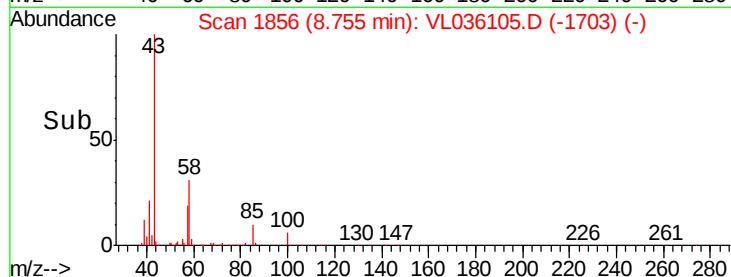
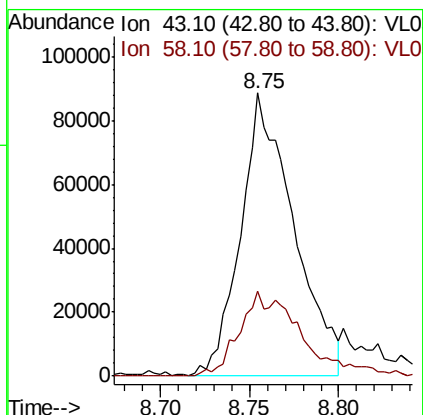
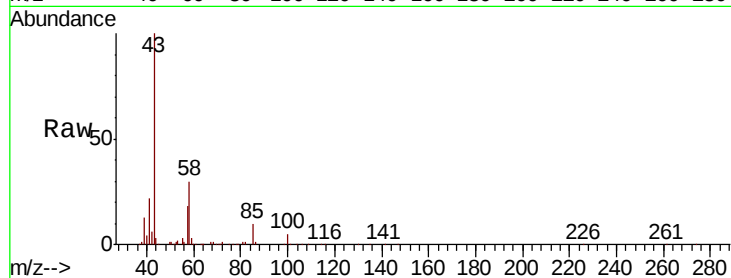




#50
4-Methyl-2-Pentanone
Concen: 0.706 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. -0.01 min
Lab File: VL036105.D
Acq: 8 Dec 2020 21:46

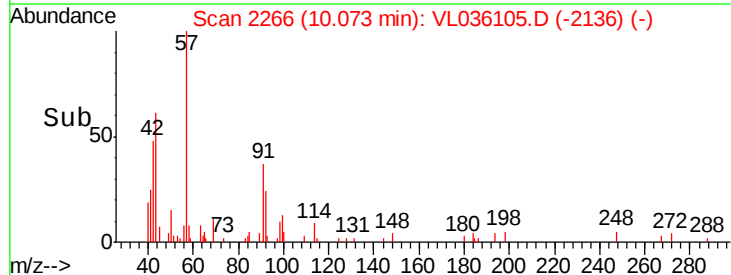
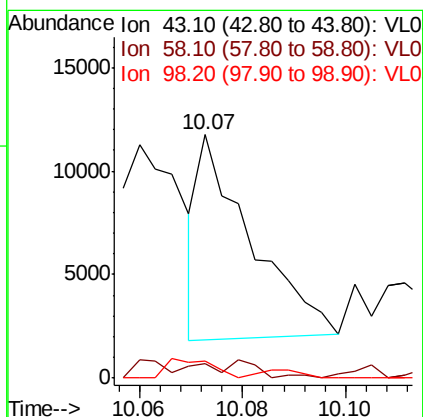
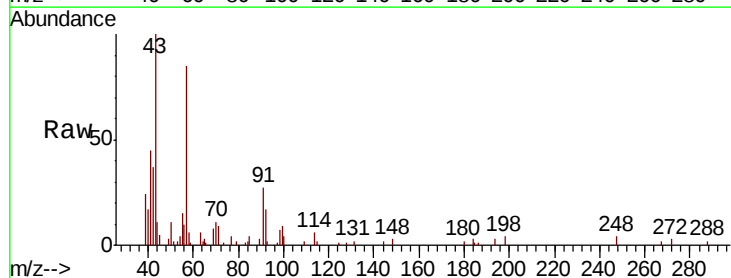
Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

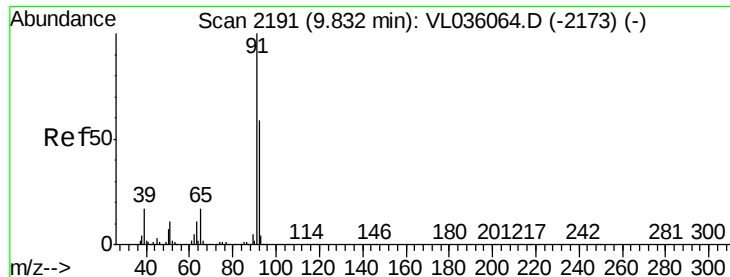
Tot Ion: 43 Resp: 182826
Ion Ratio Lower Upper
43 100
58 34.9 27.4 41.2



#51
2-Hexanone
Concen: 0.035 ppbv
RT: 10.07 min Scan# 2266
Delta R.T. -0.08 min
Lab File: VL036105.D
Acq: 8 Dec 2020 21:46

Tgt Ion: 43 Resp: 7005
Ion Ratio Lower Upper
43 100
58 28.5 38.7 58.1#
98 0.0 0.1 0.1#





#53

Toluene

Concen: 20.195 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VL036105.D

Acq: 8 Dec 2020 21:46

Instrument :

MSVOA_L

ClientSampleId :

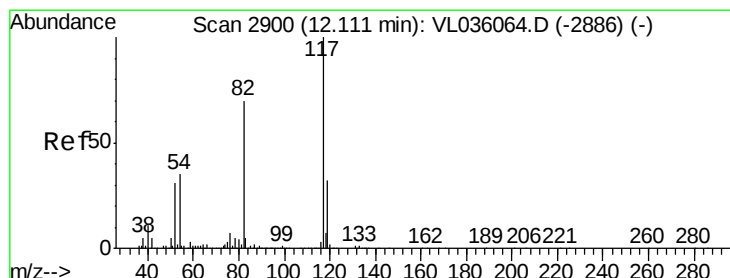
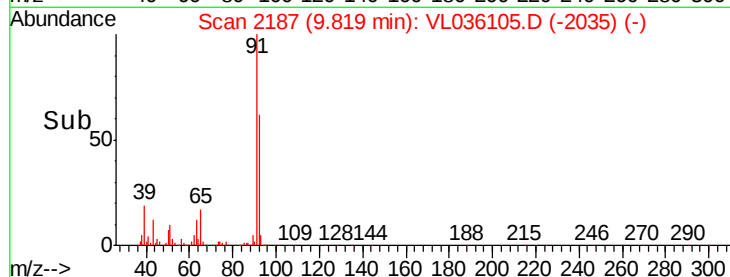
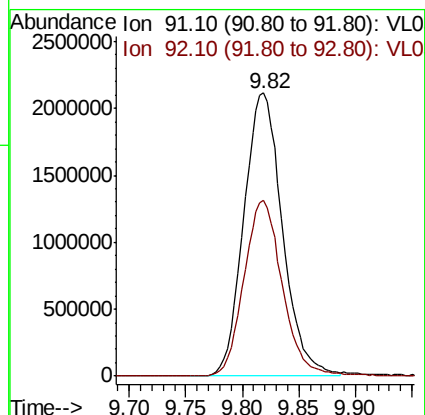
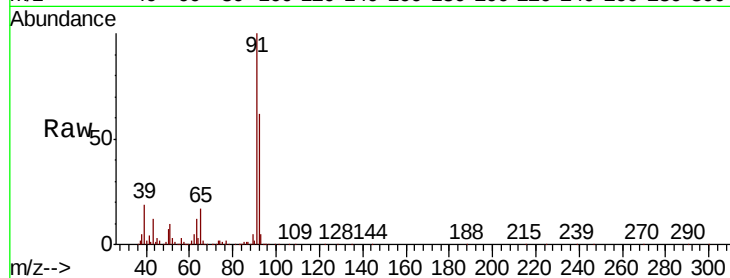
IA-2DL

Tot Ion: 91 Resp: 5028153

Ion Ratio Lower Upper

91 100

92 62.2 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. -0.01 min

Lab File: VL036105.D

Acq: 8 Dec 2020 21:46

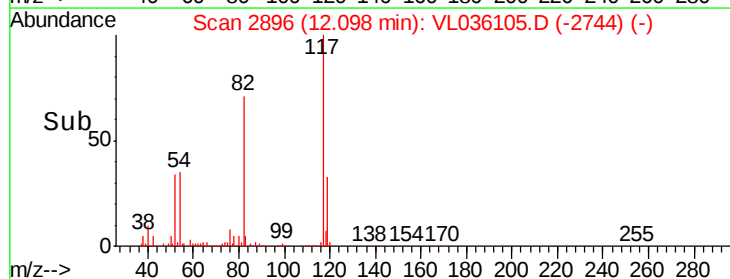
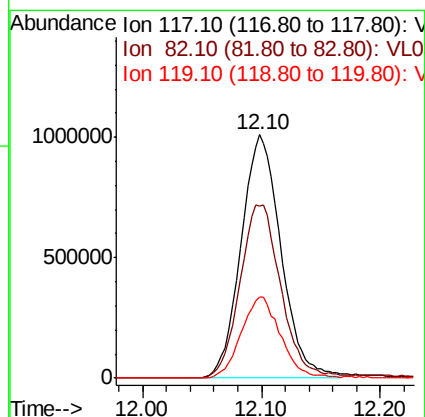
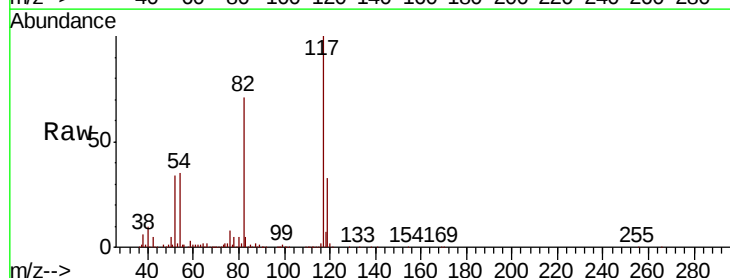
Tgt Ion: 117 Resp: 2350710

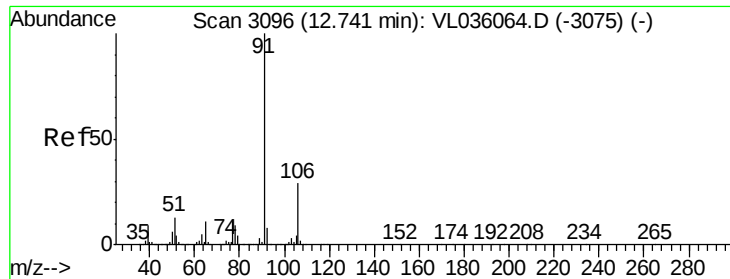
Ion Ratio Lower Upper

117 100

82 74.9 0.0 0.0#

119 33.3 0.0 0.0#





#58

Ethyl Benzene

Concen: 1.462 ppbv

RT: 12.72 min Scan# 3090

Delta R.T. -0.02 min

Lab File: VL036105.D

Acq: 8 Dec 2020 21:46

Instrument :

MSVOA_L

ClientSampleId :

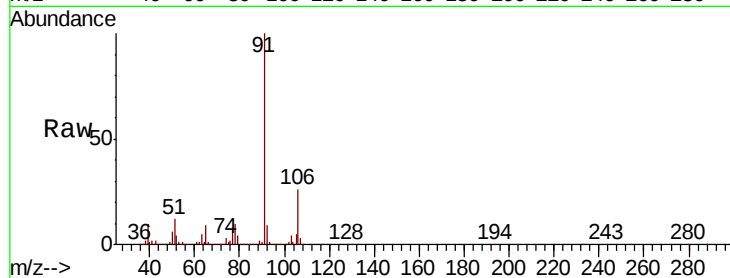
IA-2DL

Tot Ion: 91 Resp: 470914

Ion Ratio Lower Upper

91 100

106 26.5 23.0 34.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.72

200000

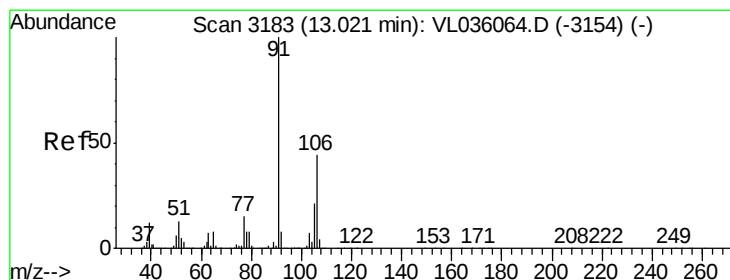
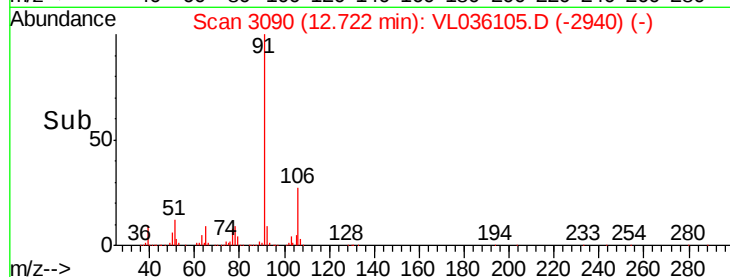
150000

100000

50000

0

Time-->



#59

m/p-Xylene

Concen: 5.372 ppbv

RT: 12.98 min Scan# 3170

Delta R.T. -0.04 min

Lab File: VL036105.D

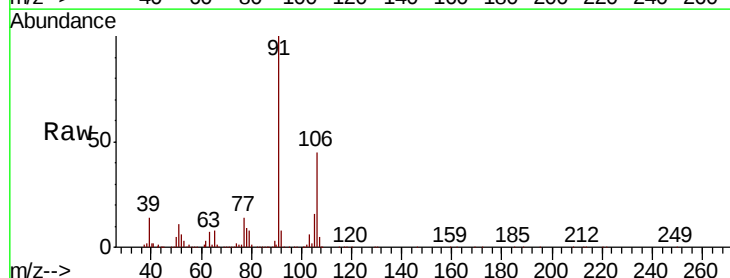
Acq: 8 Dec 2020 21:46

Tgt Ion: 91 Resp: 1457595

Ion Ratio Lower Upper

91 100

106 44.4 33.6 50.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.98

500000

400000

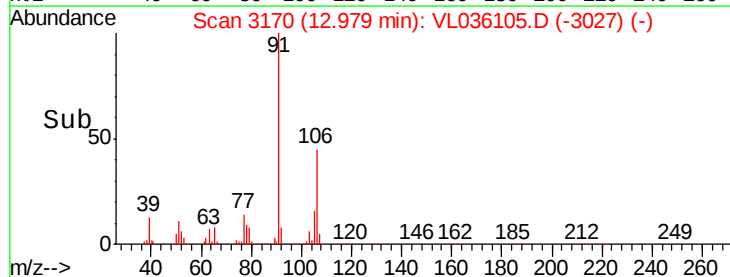
300000

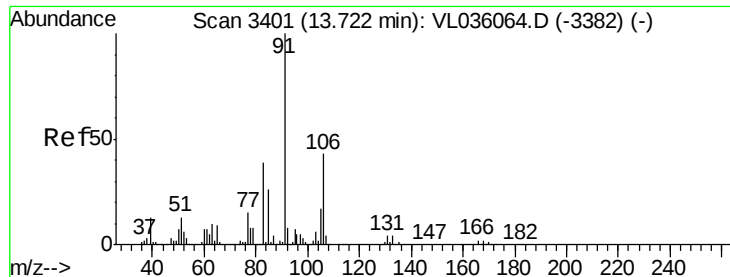
200000

100000

0

Time-->

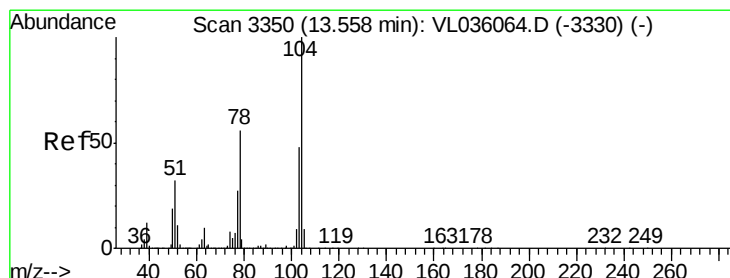
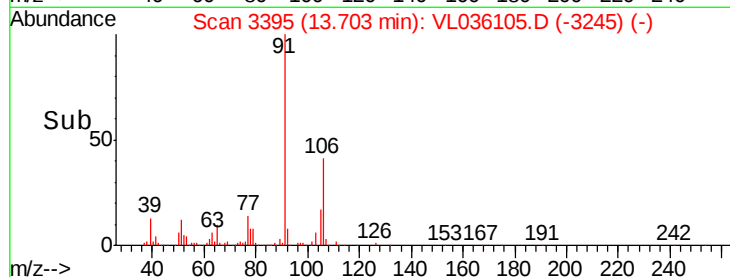
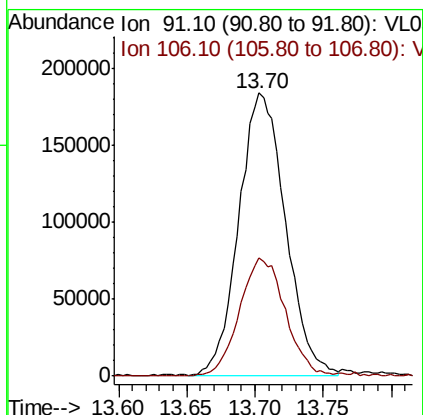
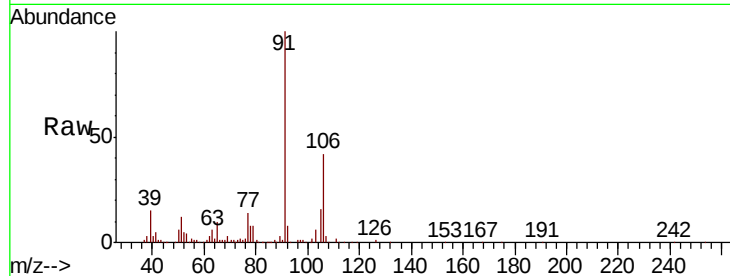




#60
o-Xylene
Concen: 1.697 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.02 min
Lab File: VL036105.D
Acq: 8 Dec 2020 21:46

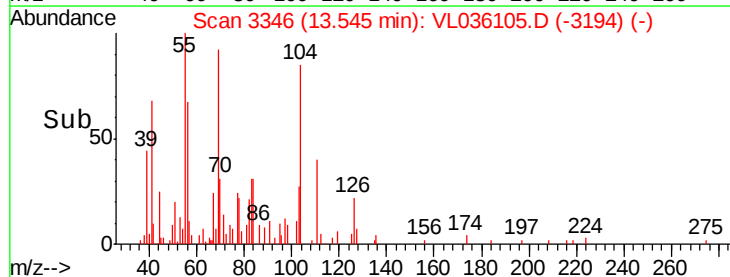
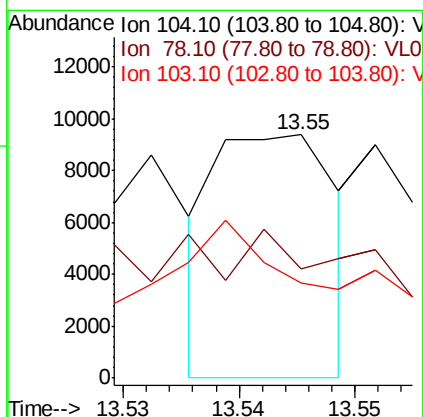
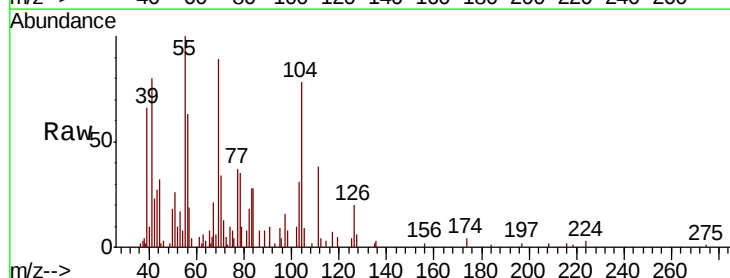
Instrument :
MSVOA_L
ClientSampled :
IA-2DL

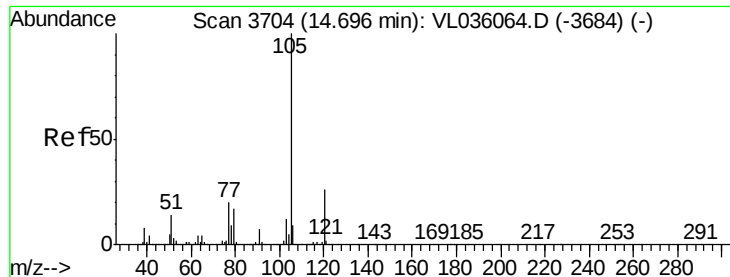
Tot Ion: 91 Resp: 433819
Ion Ratio Lower Upper
91 100
106 41.9 21.6 64.6



#61
Styrene
Concen: 0.041 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. -0.01 min
Lab File: VL036105.D
Acq: 8 Dec 2020 21:46

Tgt Ion: 104 Resp: 6755
Ion Ratio Lower Upper
104 100
78 212.3 45.8 68.8#
103 170.4 38.6 57.8#





#62

Isopropylbenzene

Concen: 0.086 ppbv

RT: 14.68 min Scan# 3700

Delta R.T. -0.01 min

Lab File: VL036105.D

Acq: 8 Dec 2020 21:46

Instrument :

MSVOA_L

ClientSampleId :

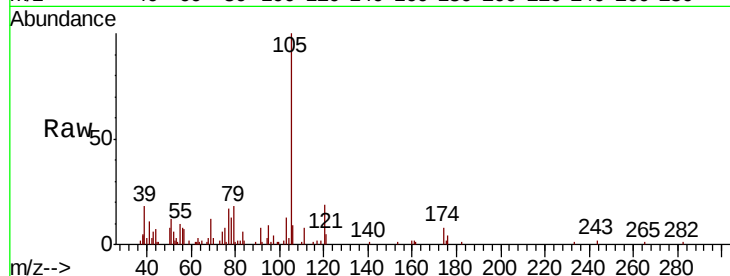
IA-2DL

Tot Ion:105 Resp: 32526

Ion Ratio Lower Upper

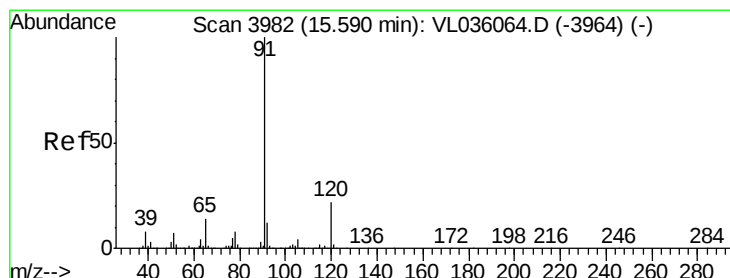
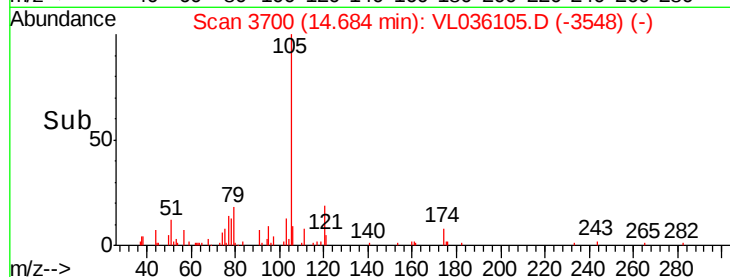
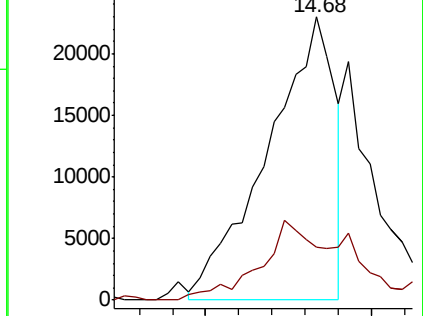
105 100

120 37.9 20.1 30.1#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.290 ppbv

RT: 15.57 min Scan# 3977

Delta R.T. -0.02 min

Lab File: VL036105.D

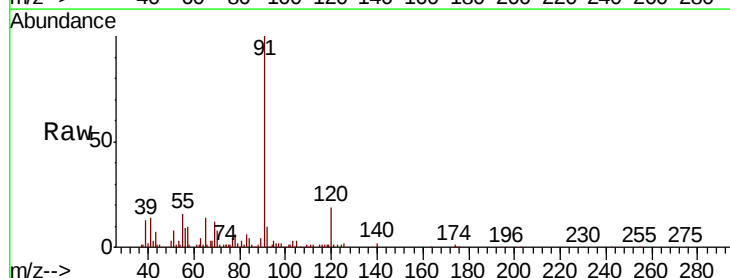
Acq: 8 Dec 2020 21:46

Tgt Ion:120 Resp: 26427

Ion Ratio Lower Upper

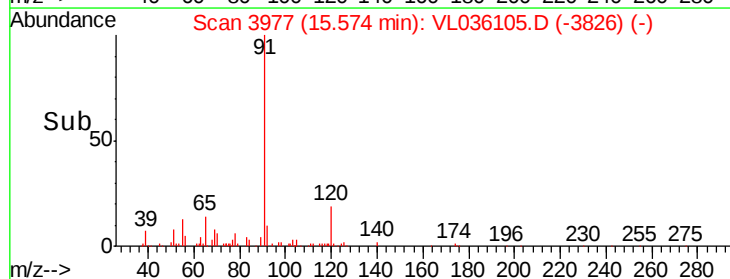
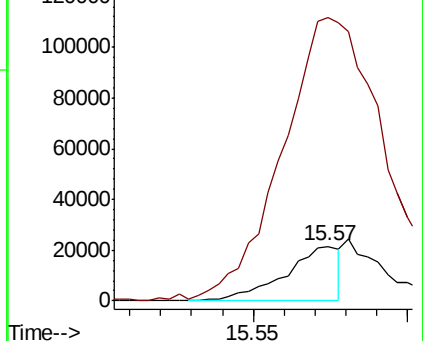
120 100

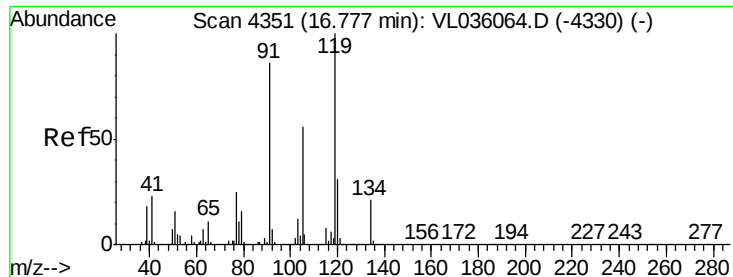
91 999.9 388.9 583.3#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

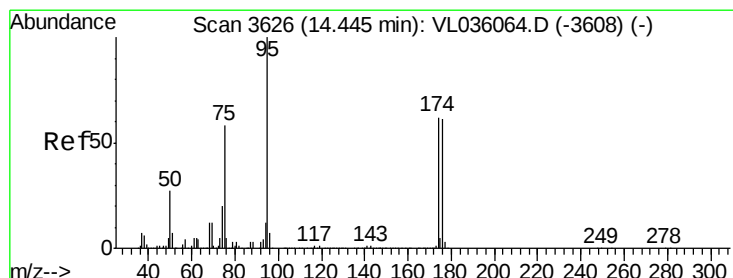
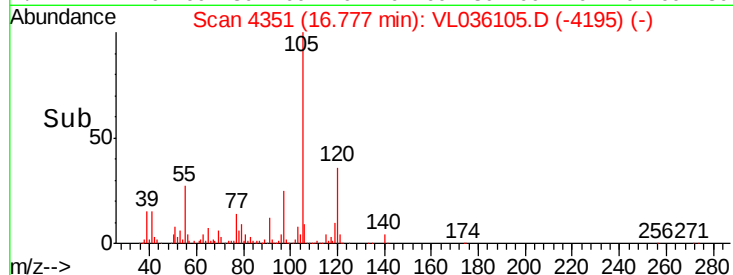
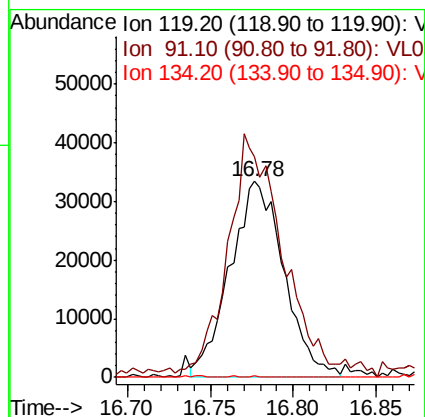
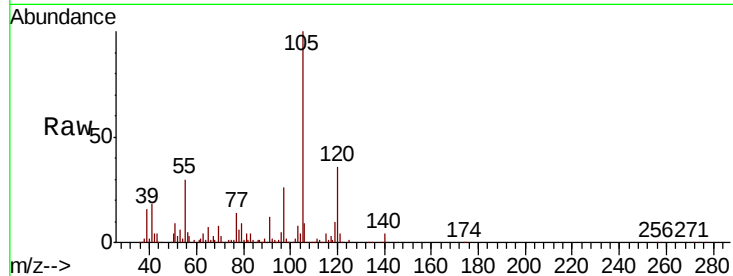




#65
tert-Butylbenzene
Concen: 0.244 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. 0.00 min
Lab File: VL036105.D
Acq: 8 Dec 2020 21:46

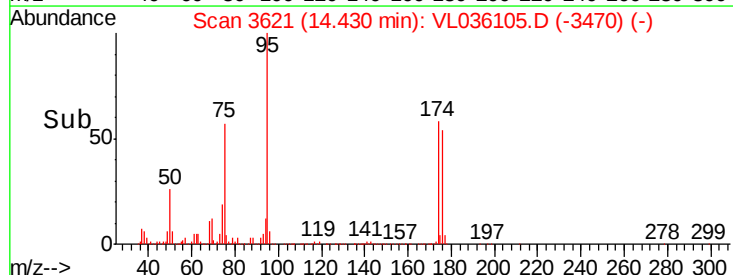
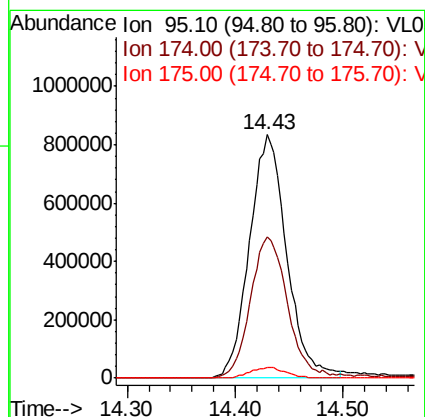
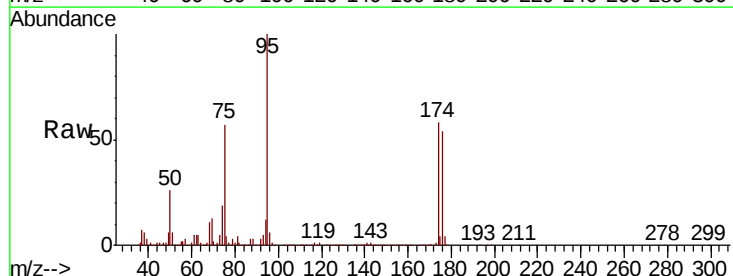
Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

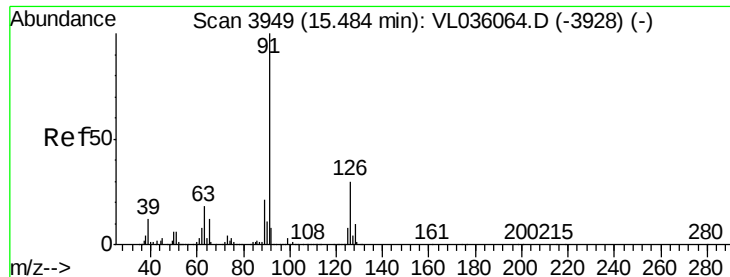
Tot Ion:119 Resp: 75808
Ion Ratio Lower Upper
119 100
91 125.6 70.2 105.2#
134 0.0 15.8 23.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.711 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. -0.02 min
Lab File: VL036105.D
Acq: 8 Dec 2020 21:46

Tgt Ion: 95 Resp: 1999244
Ion Ratio Lower Upper
95 100
174 59.0 50.7 76.1
175 4.6 4.0 6.0





#71

2-Chlorotoluene

Concen: 0.887 ppbv

RT: 15.57 min Scan# 3977

Delta R.T. 0.09 min

Lab File: VL036105.D

Acq: 8 Dec 2020 21:46

Instrument :

MSVOA_L

ClientSampleId :

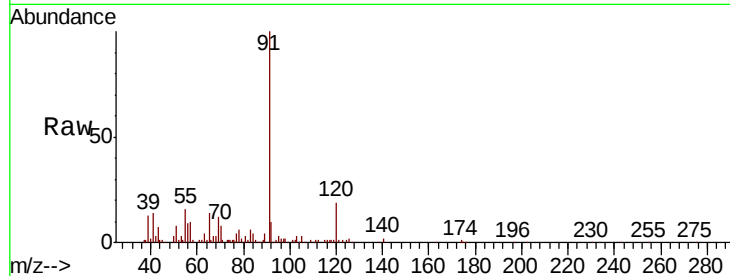
IA-2DL

Tot Ion: 91 Resp: 254145

Ion Ratio Lower Upper

91 100

126 0.0 11.6 46.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

15.57

120000

100000

80000

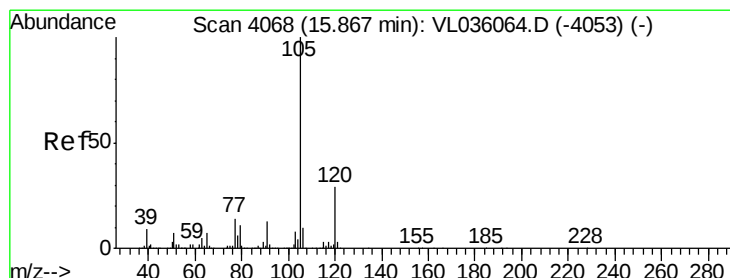
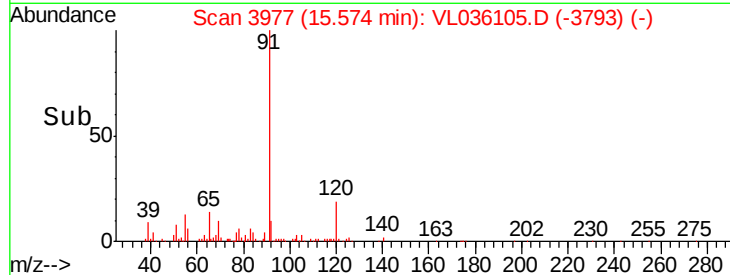
60000

40000

20000

0

Time-->



#72

4-Ethyltoluene

Concen: 1.070 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. -0.01 min

Lab File: VL036105.D

Acq: 8 Dec 2020 21:46

Tgt Ion: 105 Resp: 296191

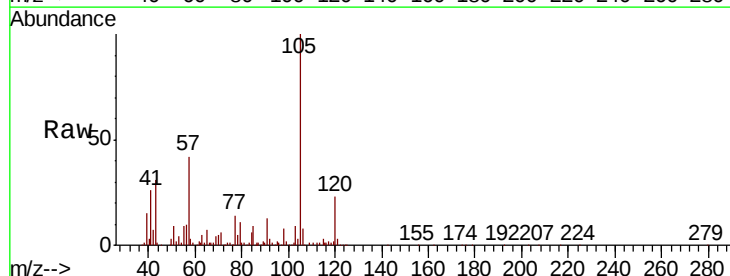
Ion Ratio Lower Upper

105 100

120 30.2 23.6 35.4

91 13.3 11.4 17.0

77 17.2 12.1 18.1



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

400000

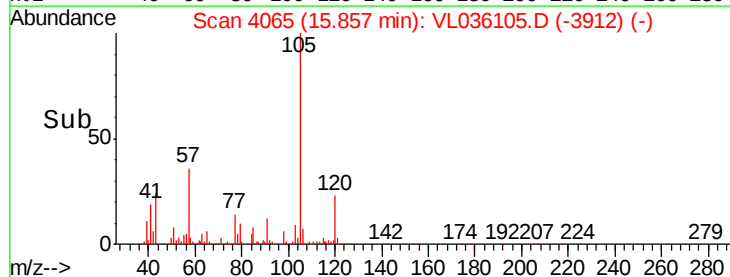
300000

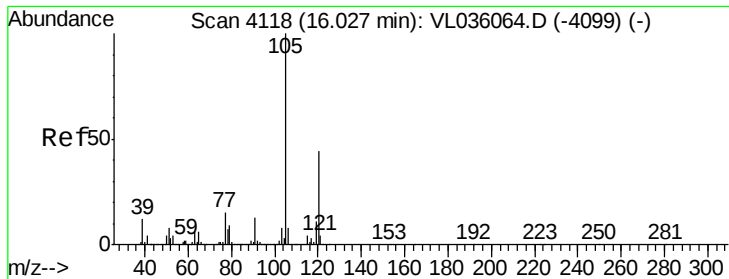
200000

100000

0

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 1.038 ppbv

RT: 16.01 min Scan# 4114

Delta R.T. -0.01 min

Lab File: VL036105.D

Acq: 8 Dec 2020 21:46

Instrument :

MSVOA_L

ClientSampled :

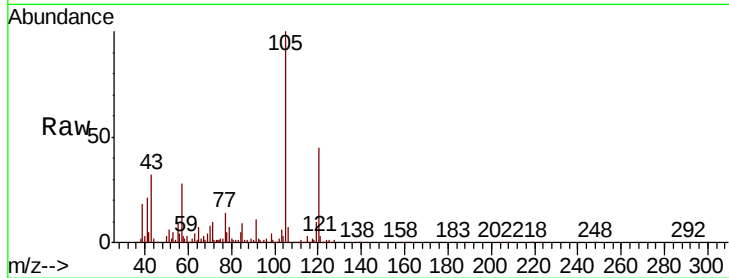
IA-2DL

Tot Ion:105 Resp: 274416

Ion Ratio Lower Upper

105 100

120 43.7 35.4 53.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

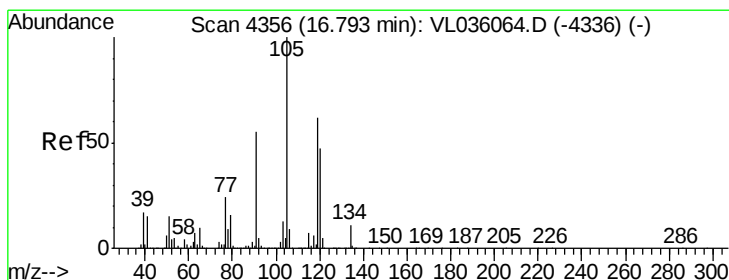
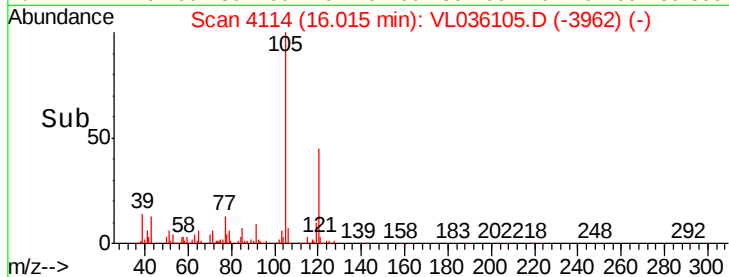
16.01

100000

50000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 2.837 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. -0.02 min

Lab File: VL036105.D

Acq: 8 Dec 2020 21:46

Tgt Ion:105 Resp: 753094

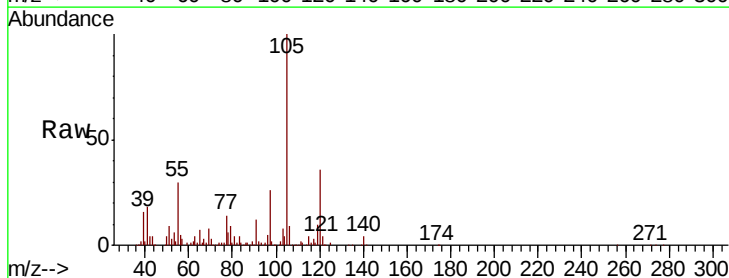
Ion Ratio Lower Upper

105 100

120 35.7 37.4 56.0#

91 11.5 45.6 68.4#

77 13.9 19.4 29.2#



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

500000

400000

300000

200000

100000

0

Time-->

