

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036075.D
 Acq On : 7 Dec 2020 21:48
 Operator : SY/AP
 Sample : L4949-02DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DUP

Quant Time: Dec 08 08:39:36 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	5.70	49	996323	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.21	114	2557196	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.12	117	2294634	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1992916	10.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	9680	0.083	ppbv 90
3) Chlorodifluoromethane	3.00	51	54986	0.484	ppbv 97
4) Chloromethane	3.15	50	34688	0.622	ppbv # 81
9) Propene	3.21	41	342537	6.015	ppbv 93
10) Heptane	8.14	43	940826	6.469	ppbv 99
11) Trichlorofluoromethane	3.96	101	50239	0.368	ppbv 99
13) Ethanol	3.65	45	1077671	137.280	ppbv 83
15) Acetone	3.87	43	17381555	145.157	ppbv # 86
16) 1,3-Butadiene	3.32	39	101942	1.690	ppbv # 65
17) tert-Butyl alcohol	4.02	59	280220	2.416	ppbv 98
19) Isopropyl Alcohol	4.02	45	8307906	113.516	ppbv # 100
20) Methylene Chloride	4.37	84	182644	3.722	ppbv 98
21) Allyl Chloride	4.41	41	9773	0.123	ppbv # 18
23) Vinyl Acetate	5.12	43	703616	4.414	ppbv # 44
25) Ethyl Acetate	5.70	43	14152704	59.162	ppbv # 79
26) Hexane	5.70	57	748914	6.956	ppbv # 1
27) Carbon Disulfide	4.57	76	6169	0.058	ppbv # 59
28) Methyl tert-Butyl Ether	5.05	73	6166	0.040	ppbv # 1
30) Cyclohexane	7.15	84	208793	2.640	ppbv 96
31) cis-1,2-Dichloroethene	5.70	61	2178933	22.264	ppbv # 27
34) 2-Butanone	5.28	43	6495383	38.293	ppbv 98
36) Benzene	6.92	78	555735	2.564	ppbv 96
38) Trichloroethene	7.87	130	5351	0.066	ppbv # 72
39) 1,2-Dichloropropane	7.21	63	725450	8.476	ppbv # 23
41) Tetrahydrofuran	6.07	42	2075912	20.600	ppbv 99
42) Bromodichloromethane	7.83	83	7119	0.043	ppbv # 36
43) Methyl Methacrylate	8.05	69	12149	0.131	ppbv # 1
44) 2,2,4-Trimethylpentane	7.90	57	2330727	5.939	ppbv # 89
50) 4-Methyl-2-Pentanone	8.78	43	1393788	5.510	ppbv 99
51) 2-Hexanone	10.14	43	572193	2.894	ppbv # 29
52) Tetrachloroethene	11.26	164	17730	0.226	ppbv # 69
53) Toluene	9.86	91	27109793	111.402	ppbv # 70
57) Chlorobenzene	12.18	112	29071	0.180	ppbv # 29
58) Ethyl Benzene	12.75	91	3719809	11.829	ppbv 99
59) m/p-Xylene	13.00	91	9044926	34.150	ppbv 92
60) o-Xylene	13.73	91	3154214	12.640	ppbv 99
61) Styrene	13.56	104	1216591	7.594	ppbv 99
62) Isopropylbenzene	14.70	105	221306	0.598	ppbv 100
64) n-propylbenzene	15.59	120	164511	1.849	ppbv 90
65) tert-Butylbenzene	16.79	119	127477	0.421	ppbv # 67
67) sec-Butylbenzene	17.33	105	46420	0.110	ppbv 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
Data File : VL036075.D
Acq On : 7 Dec 2020 21:48
Operator : SY/AP
Sample : L4949-02DUP
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-3DUP

Quant Time: Dec 08 08:39:36 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

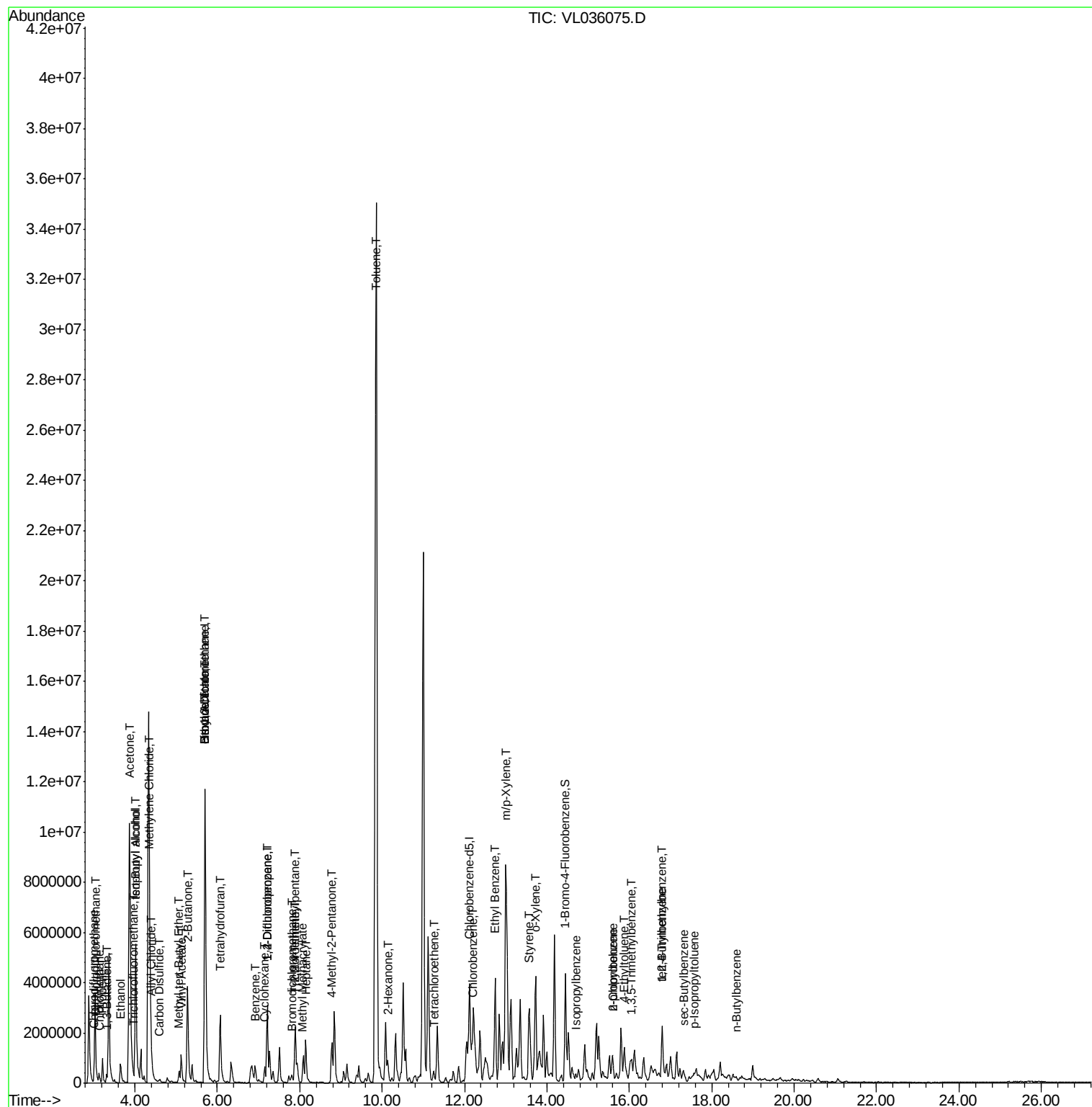
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) p-Isopropyltoluene	17.56	119	57904	0.172	ppbv	90
70) n-Butylbenzene	18.59	91	10083	0.030	ppbv #	1
71) 2-Chlorotoluene	15.59	91	835650	2.989	ppbv #	47
72) 4-Ethyltoluene	15.87	105	812356	3.005	ppbv	96
73) 1,3,5-Trimethylbenzene	16.03	105	486094	1.883	ppbv	94
74) 1,2,4-Trimethylbenzene	16.79	105	1197495	4.621	ppbv #	66

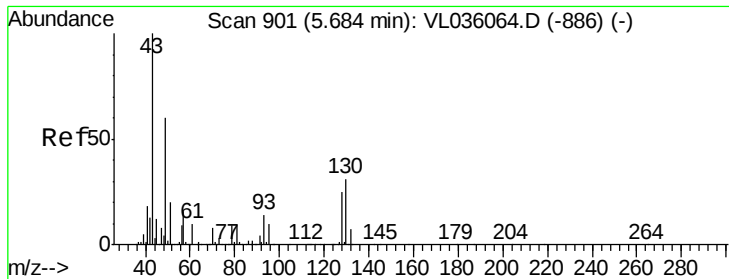
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
Data File : VL036075.D
Acq On : 7 Dec 2020 21:48
Operator : SY/AP
Sample : L4949-02DUP
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-3DUP

Quant Time: Dec 08 08:39:36 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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.02 min

Lab File: VL036075.D

Acq: 7 Dec 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

IA-3DUP

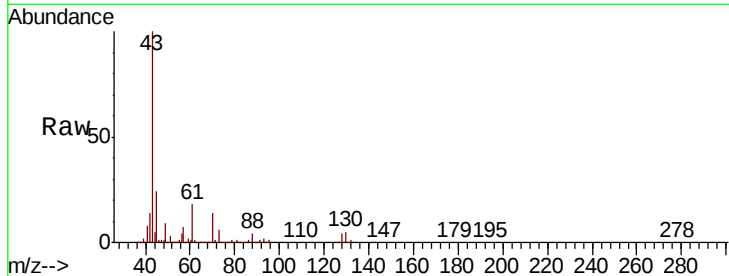
Tot Ion: 49 Resp: 996323

Ion Ratio Lower Upper

49 100

128 41.5 21.1 63.1

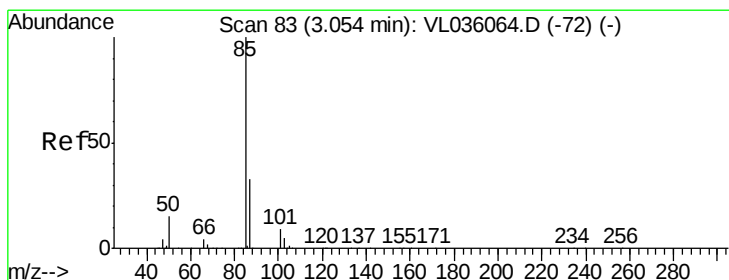
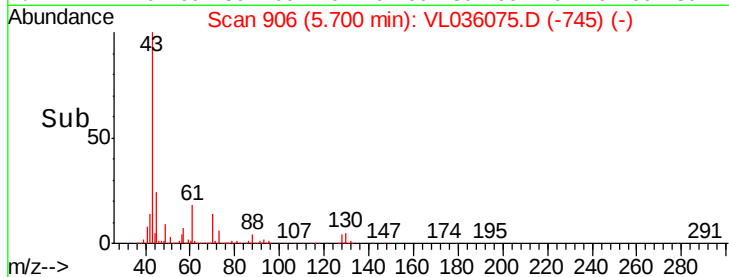
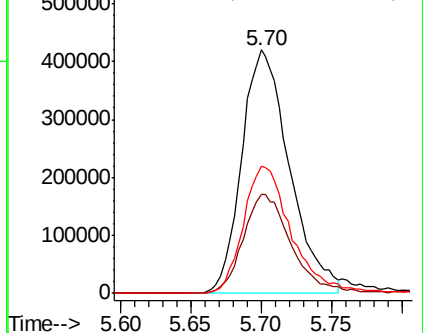
130 53.4 27.1 81.3



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: 0.083 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.01 min

Lab File: VL036075.D

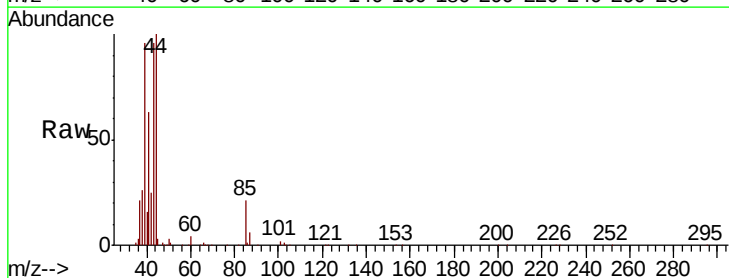
Acq: 7 Dec 2020 21:48

Tgt Ion: 85 Resp: 9680

Ion Ratio Lower Upper

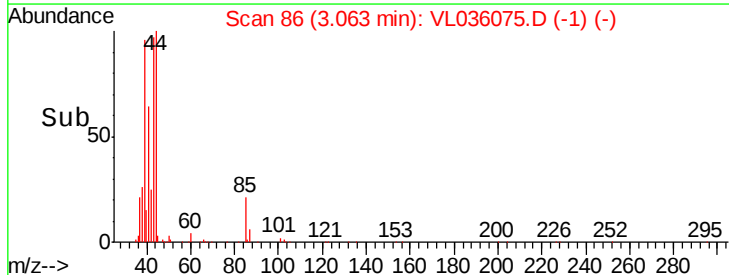
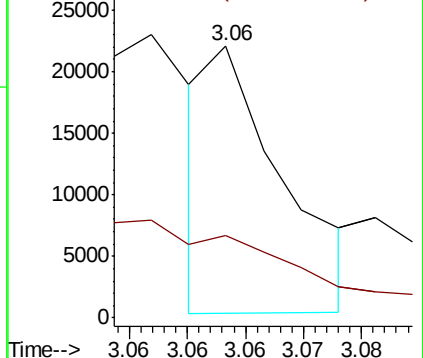
85 100

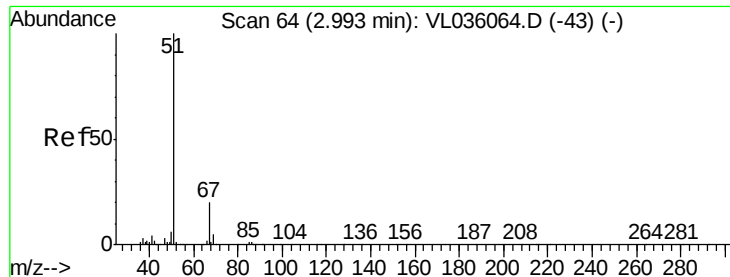
87 27.6 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.484 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.00 min

Lab File: VL036075.D

Acq: 7 Dec 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

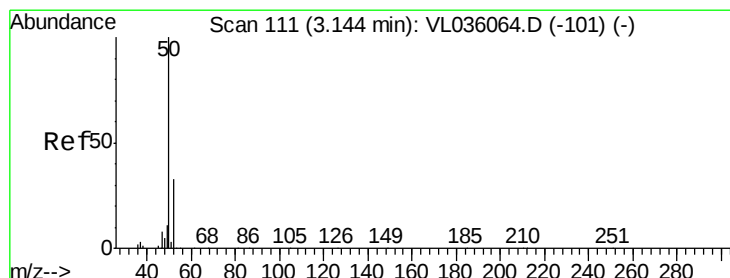
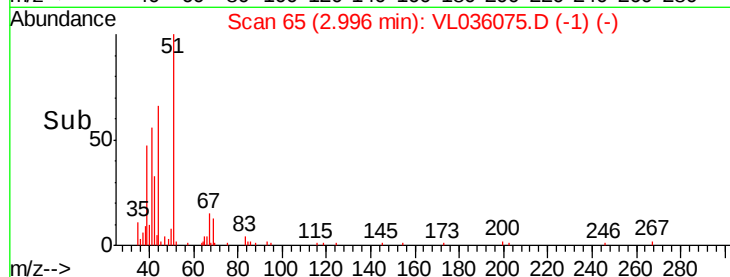
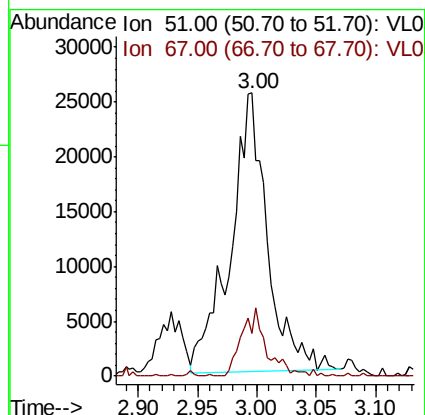
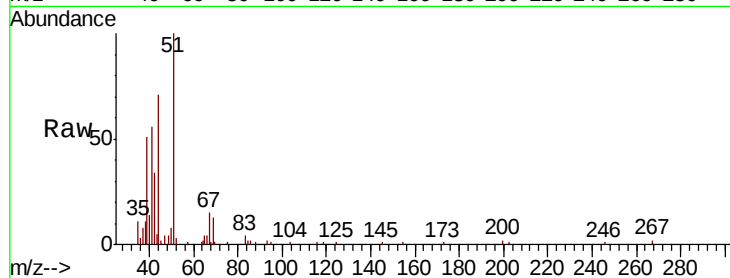
IA-3DUP

Tot Ion: 51 Resp: 54986

Ion Ratio Lower Upper

51 100

67 16.5 14.3 21.5



#4

Chloromethane

Concen: 0.622 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL036075.D

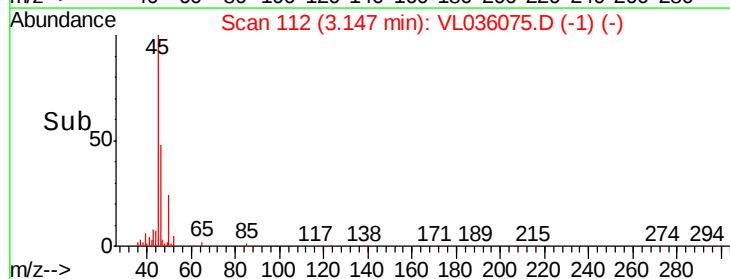
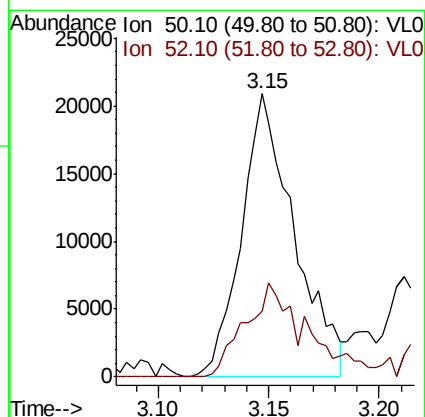
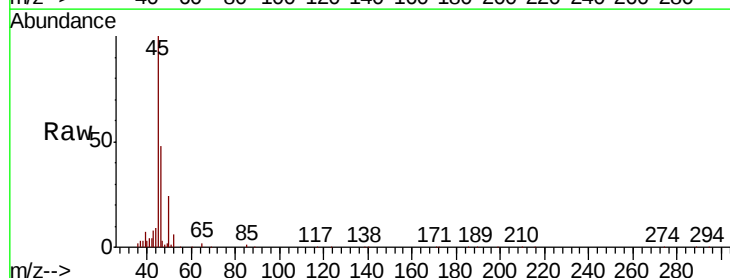
Acq: 7 Dec 2020 21:48

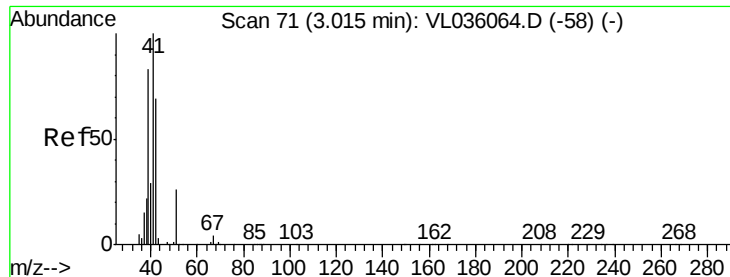
Tgt Ion: 50 Resp: 34688

Ion Ratio Lower Upper

50 100

52 21.8 26.1 39.1#





#9

Propene

Concen: 6.015 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.20 min

Lab File: VL036075.D

Acq: 7 Dec 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

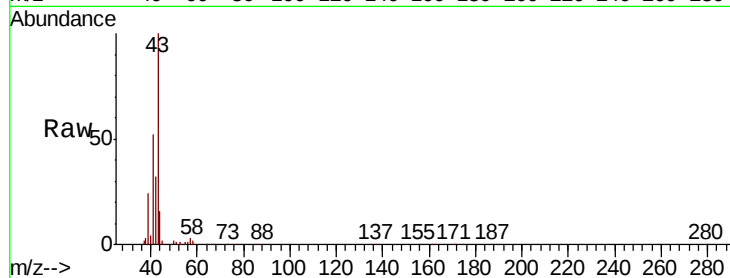
IA-3DUP

Tot Ion: 41 Resp: 342537

Ion Ratio Lower Upper

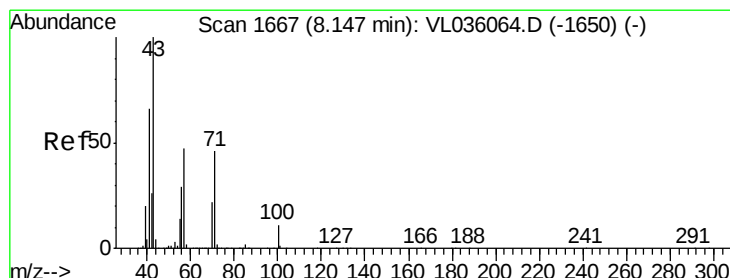
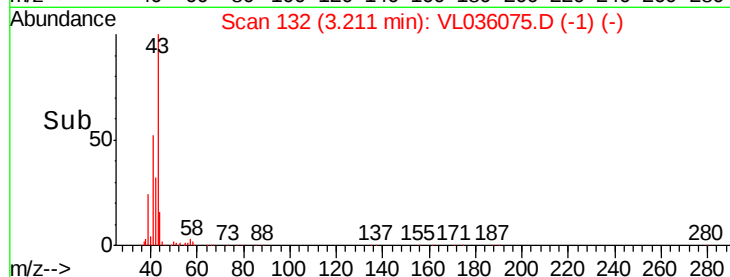
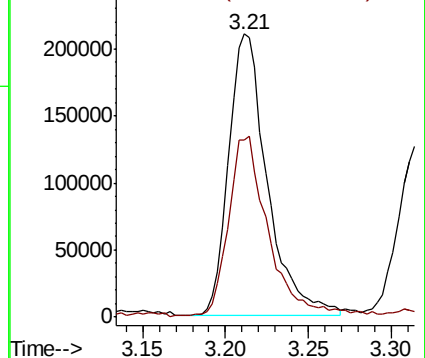
41 100

42 65.5 57.0 85.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 6.469 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. -0.00 min

Lab File: VL036075.D

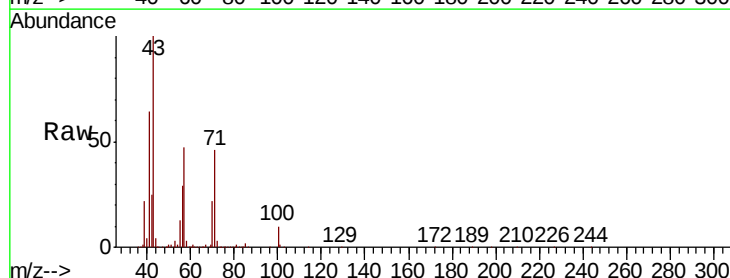
Acq: 7 Dec 2020 21:48

Tgt Ion: 43 Resp: 940826

Ion Ratio Lower Upper

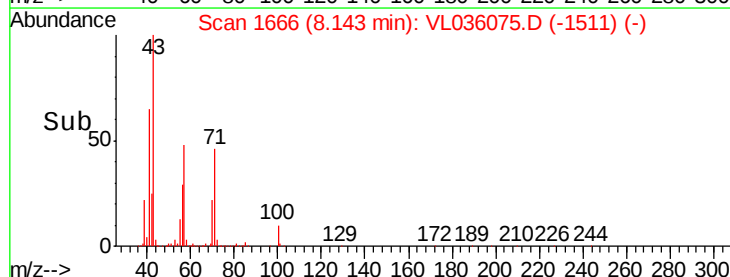
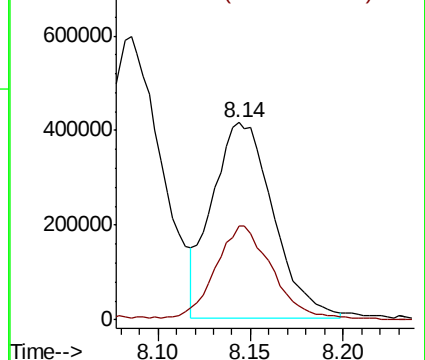
43 100

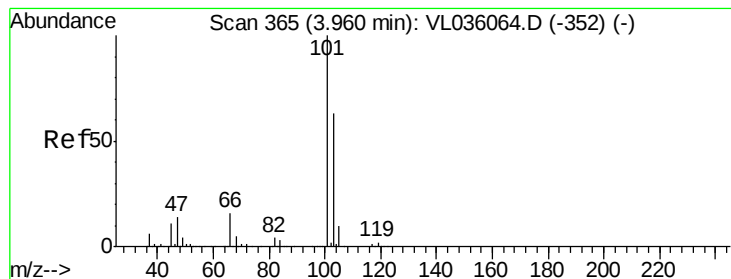
57 46.9 37.9 56.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.368 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.00 min

Lab File: VL036075.D

Acq: 7 Dec 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

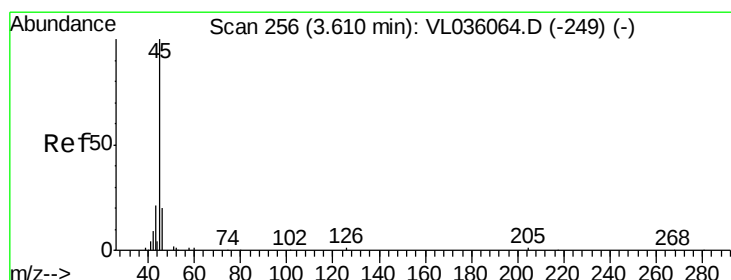
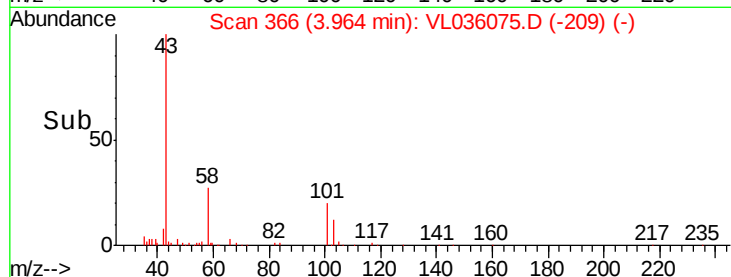
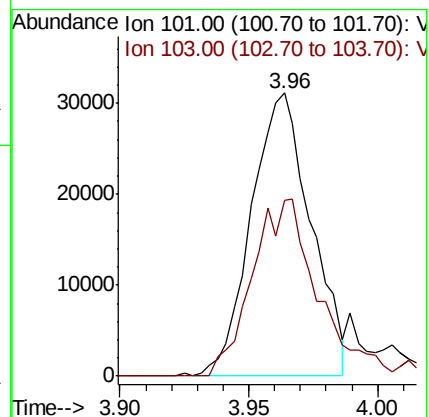
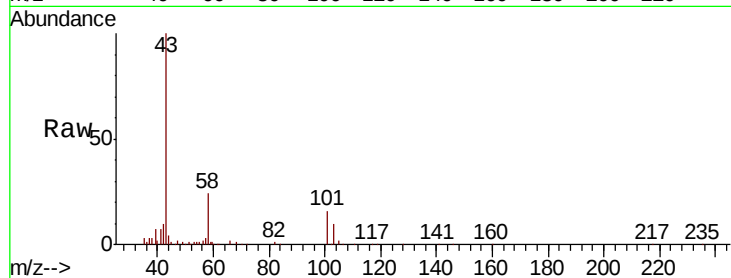
IA-3DUP

Tot Ion:101 Resp: 50239

Ion Ratio Lower Upper

101 100

103 62.0 50.3 75.5



#13

Ethanol

Concen: 137.280 ppbv

RT: 3.65 min Scan# 269

Delta R.T. 0.04 min

Lab File: VL036075.D

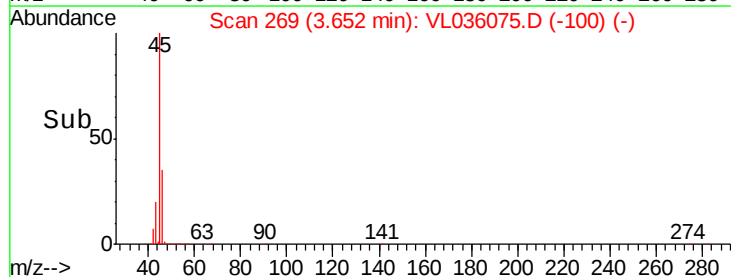
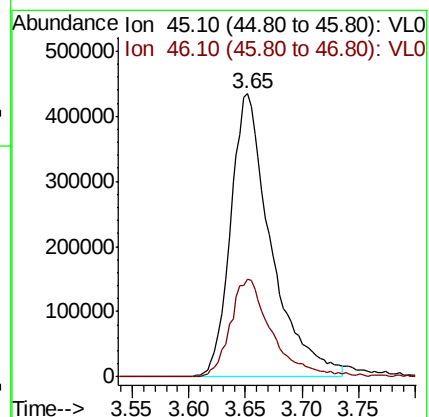
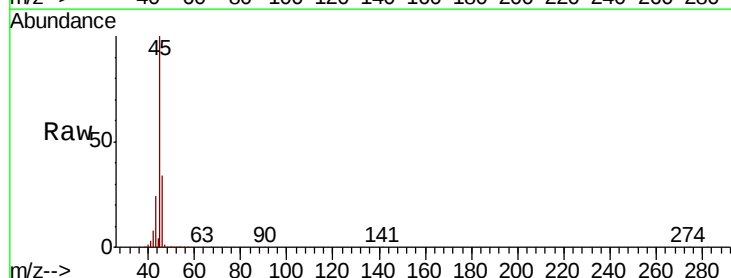
Acq: 7 Dec 2020 21:48

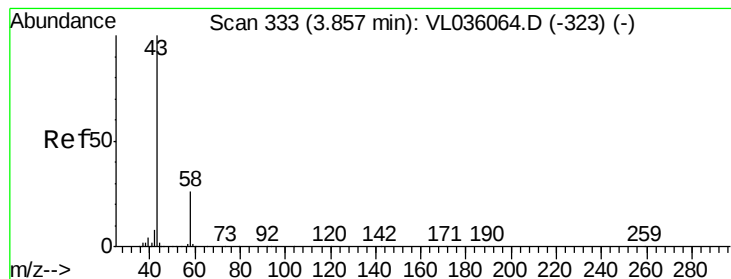
Tgt Ion: 45 Resp: 1077671

Ion Ratio Lower Upper

45 100

46 35.9 19.0 75.8





#15

Acetone

Concen: 145.157 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.01 min

Lab File: VL036075.D

Acq: 7 Dec 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

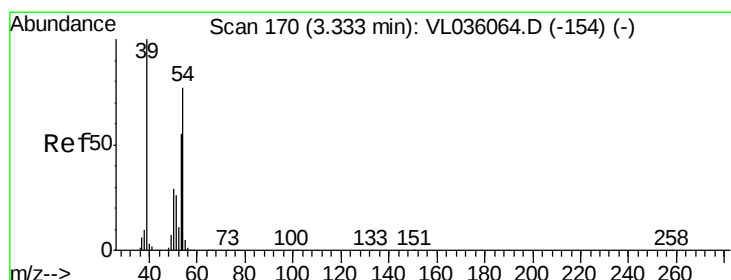
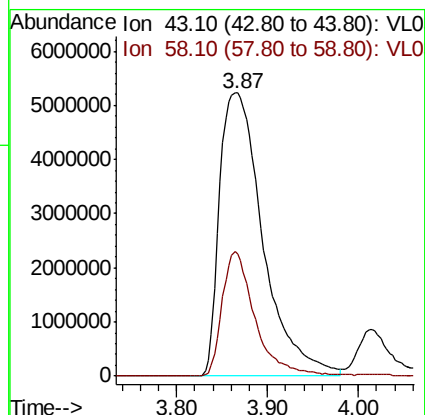
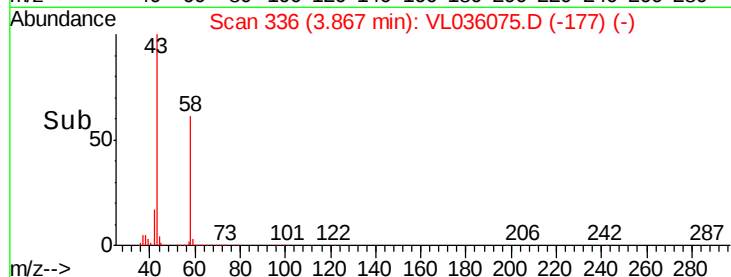
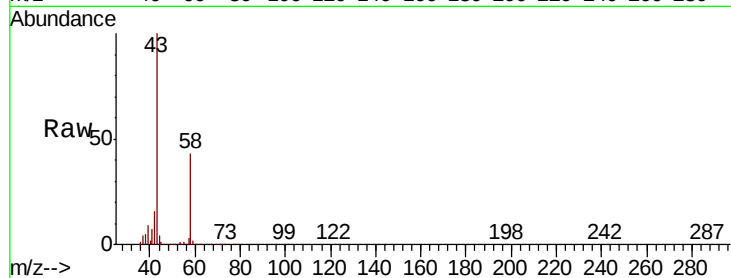
IA-3DUP

Tot Ion: 43 Resp:17381555

Ion Ratio Lower Upper

43 100

58 33.3 20.9 31.3#



#16

1,3-Butadiene

Concen: 1.690 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.02 min

Lab File: VL036075.D

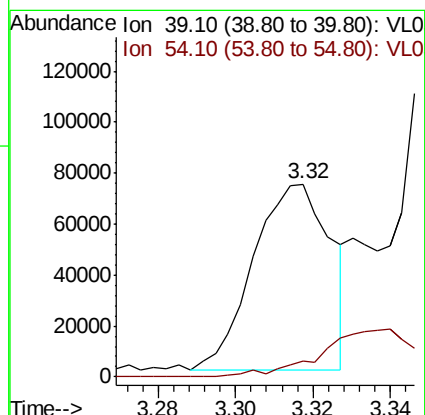
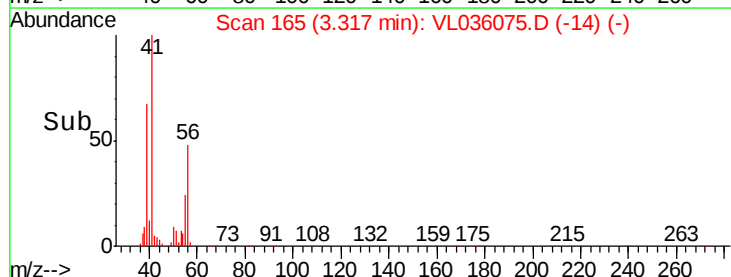
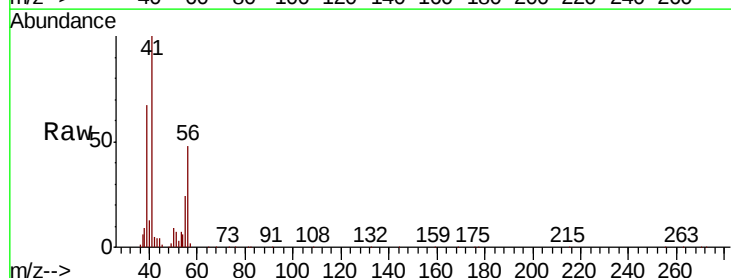
Acq: 7 Dec 2020 21:48

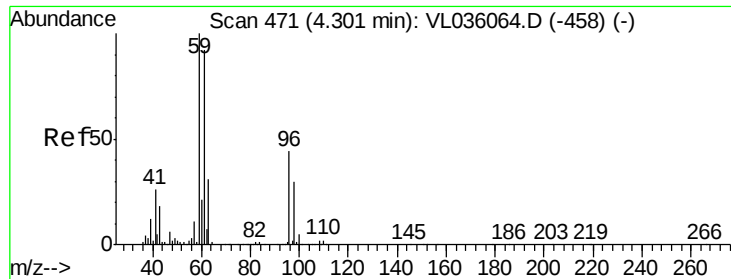
Tgt Ion: 39 Resp: 101942

Ion Ratio Lower Upper

39 100

54 47.3 62.1 93.1#



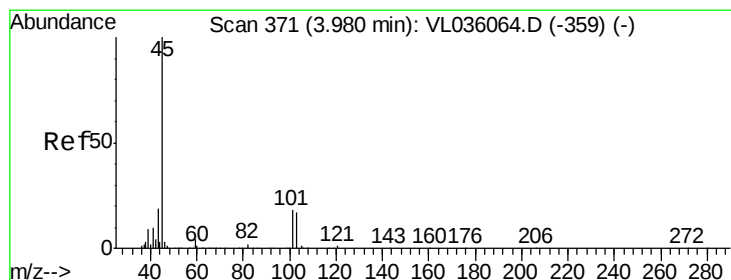
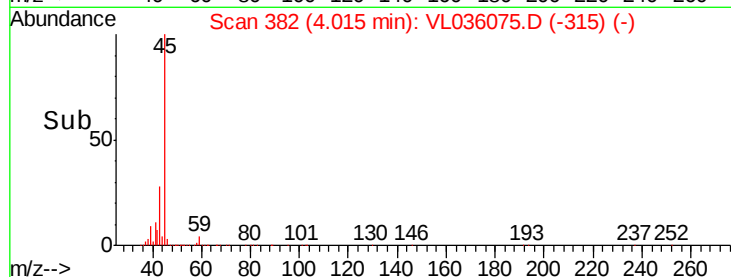
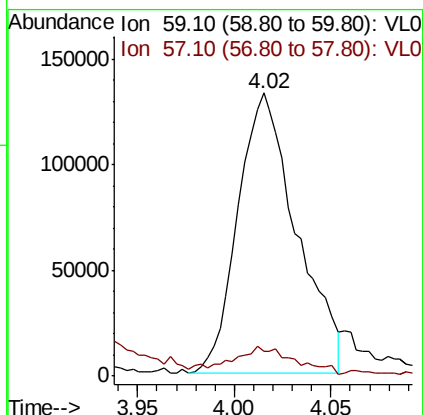
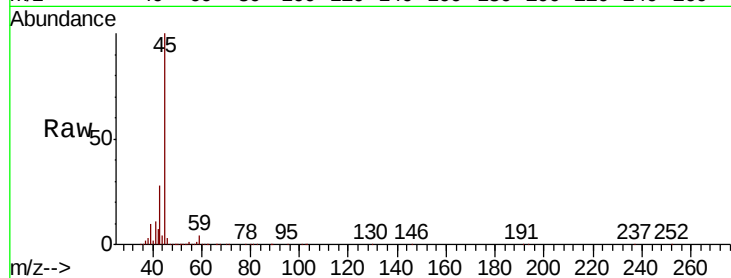


#17

tert-Butyl alcohol
Concen: 2.416 ppbv
RT: 4.02 min Scan# 382
Delta R.T. -0.29 min
Lab File: VL036075.D
Acq: 7 Dec 2020 21:48

Instrument :
MSVOA_L
ClientSampleId :
IA-3DUP

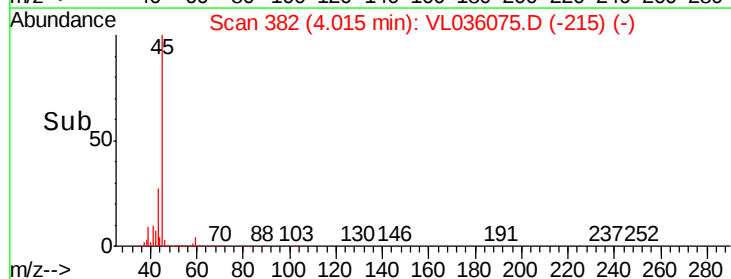
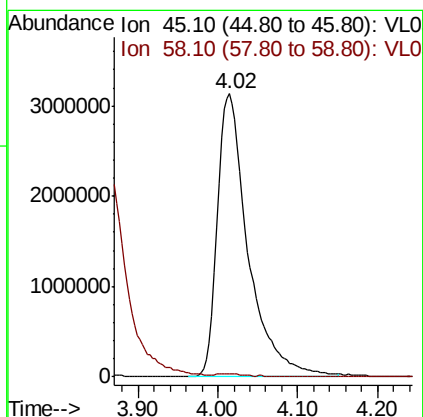
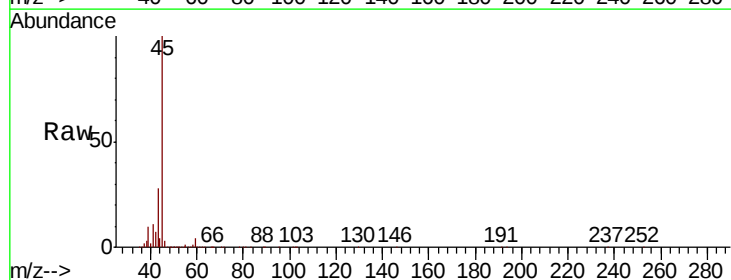
Tot Ion: 59 Resp: 280220
Ion Ratio Lower Upper
59 100
57 11.6 8.7 13.1

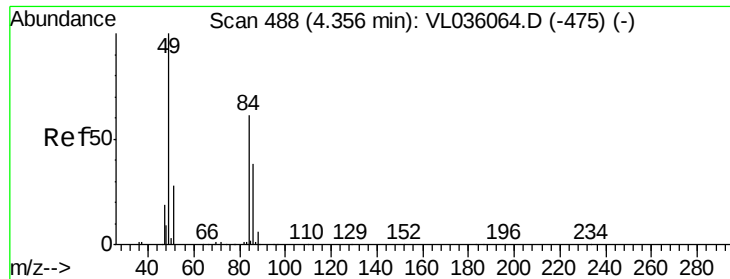


#19

Isopropyl Alcohol
Concen: 113.516 ppbv
RT: 4.02 min Scan# 382
Delta R.T. 0.04 min
Lab File: VL036075.D
Acq: 7 Dec 2020 21:48

Tgt Ion: 45 Resp: 8307906
Ion Ratio Lower Upper
45 100
58 69.6 0.0 0.0#

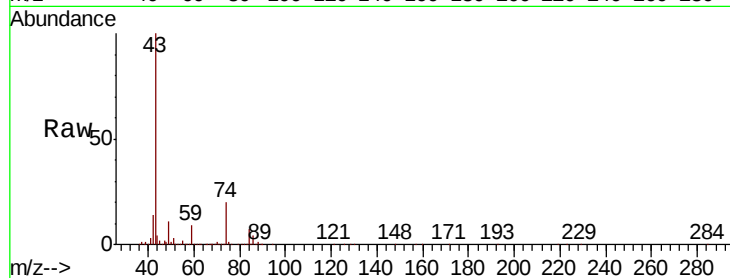




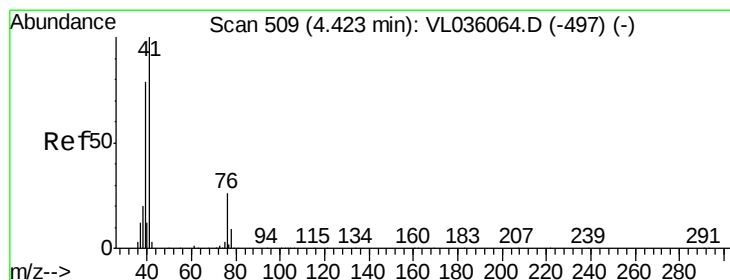
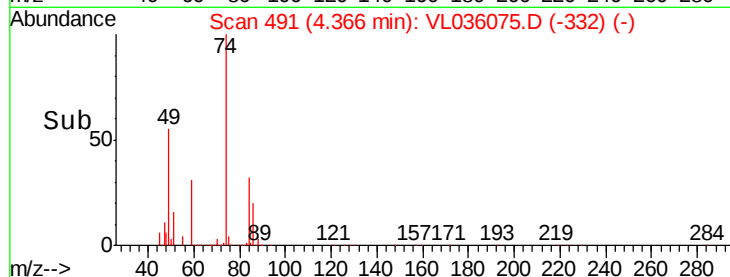
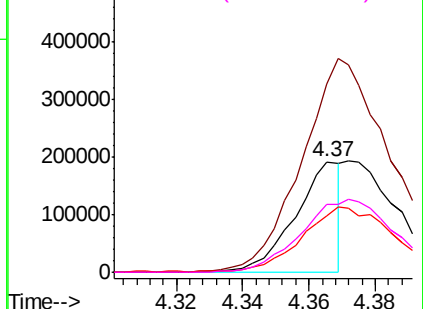
#20
Methylene Chloride
Concen: 3.722 ppbv
RT: 4.37 min Scan# 491
Delta R.T. 0.01 min
Lab File: VL036075.D
Acq: 7 Dec 2020 21:48

Instrument :
MSVOA_L
ClientSampleId :
IA-3DUP

Tot Ion:	84	Resp:	182644
Ion	Ratio	Lower	Upper
84	100		
49	170.1	133.0	199.4
51	50.3	38.9	58.3
86	60.8	48.8	73.2

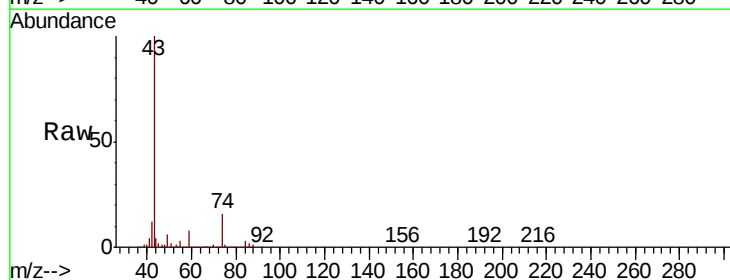


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

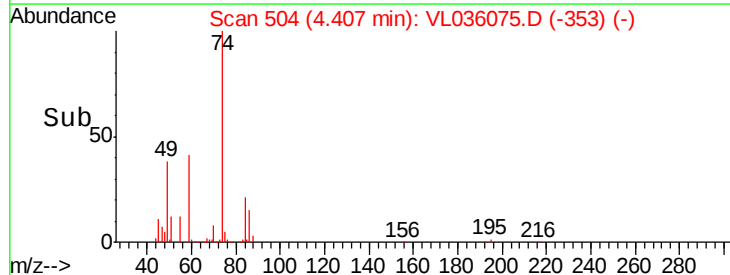
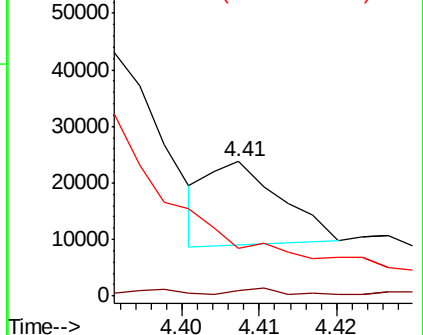


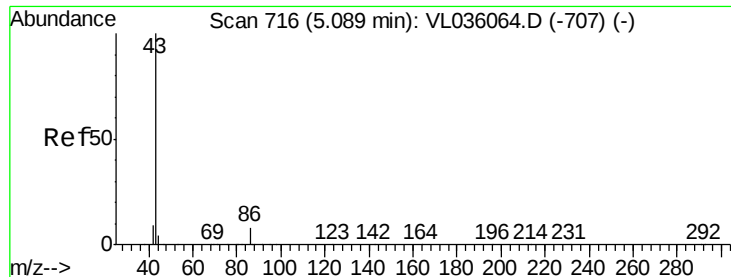
#21
Allyl Chloride
Concen: 0.123 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.02 min
Lab File: VL036075.D
Acq: 7 Dec 2020 21:48

Tgt Ion:	41	Resp:	9773
Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.0	31.4#
39	0.0	66.0	99.0#



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





#23

Vinyl Acetate

Concen: 4.414 ppbv

RT: 5.12 min Scan# 726

Delta R.T. 0.03 min

Lab File: VL036075.D

Acq: 7 Dec 2020 21:48

Instrument :

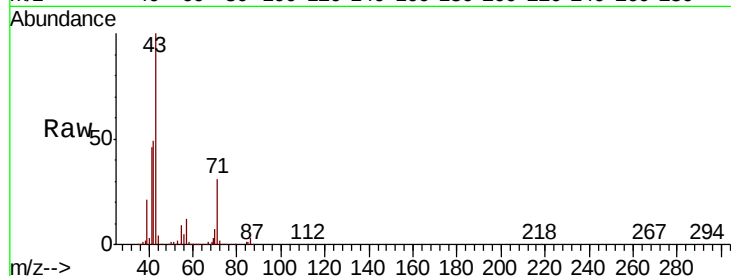
MSVOA_L

ClientSampleId :

IA-3DUP

Tot Ion: 43 Resp: 703616

Ion	Ratio	Lower	Upper
43	100		
86	3.2	5.0	7.4#
42	49.7	7.8	11.6#
44	2.9	3.2	4.8#



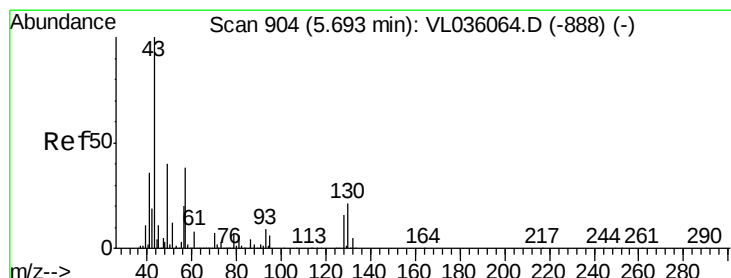
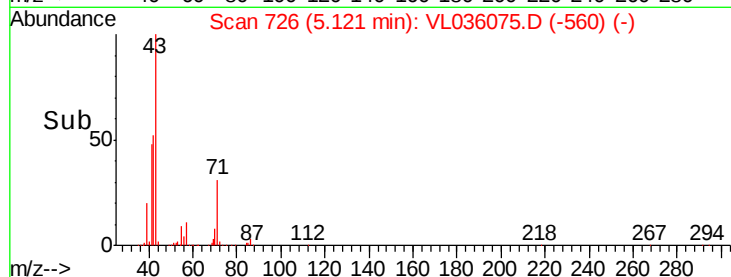
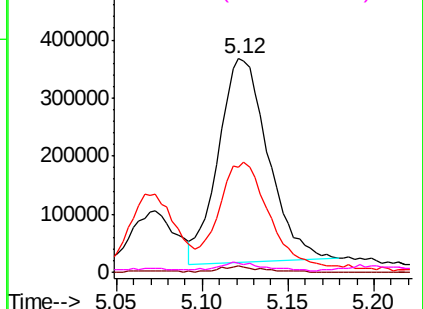
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 59.162 ppbv

RT: 5.70 min Scan# 906

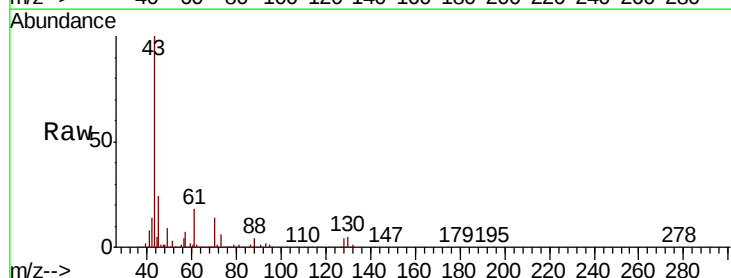
Delta R.T. 0.01 min

Lab File: VL036075.D

Acq: 7 Dec 2020 21:48

Tgt Ion: 43 Resp: 14152704

Ion	Ratio	Lower	Upper
43	100		
45	20.3	8.2	12.4#
61	15.6	7.4	11.2#
70	12.0	5.4	8.0#



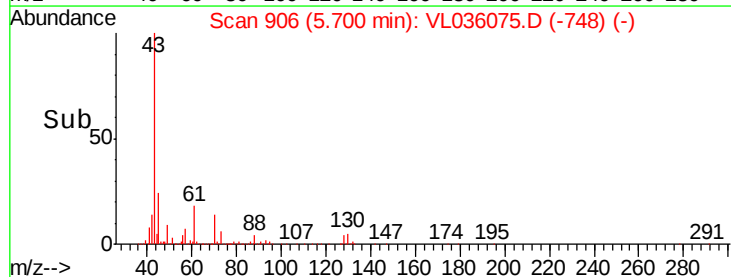
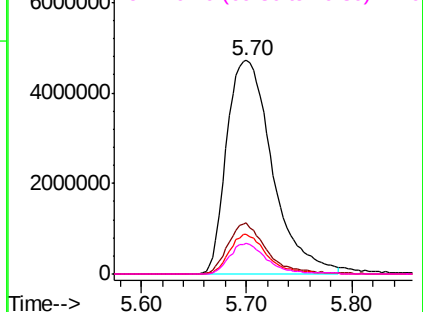
Abundance

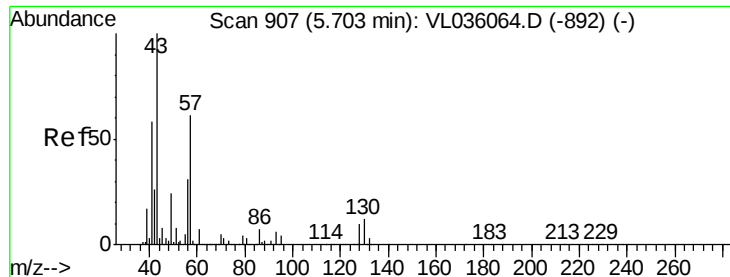
Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 6.956 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.00 min

Lab File: VL036075.D

Acq: 7 Dec 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

IA-3DUP

Tot Ion: 57 Resp: 748914

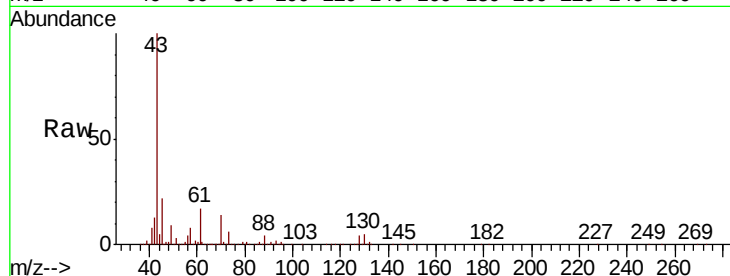
Ion Ratio Lower Upper

57 100

41 119.1 82.9 124.3

43 1927.0 199.9 299.9#

56 55.2 43.1 64.7

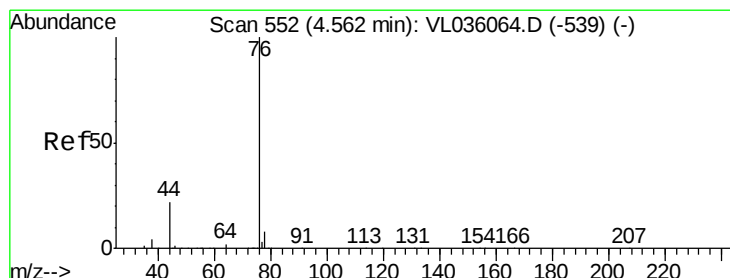
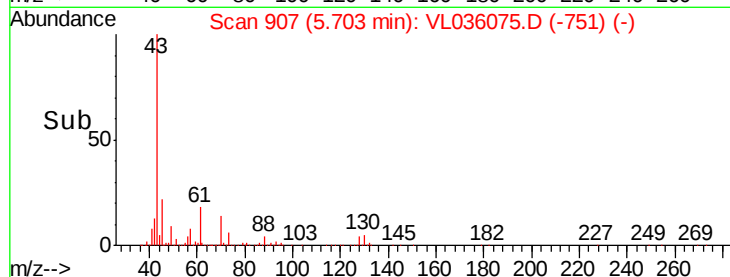
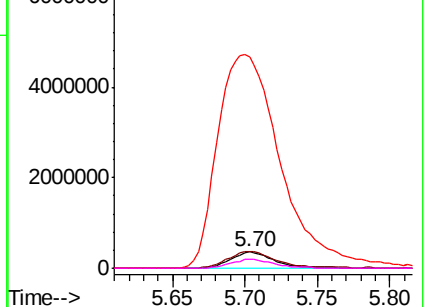


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.058 ppbv

RT: 4.57 min Scan# 556

Delta R.T. 0.01 min

Lab File: VL036075.D

Acq: 7 Dec 2020 21:48

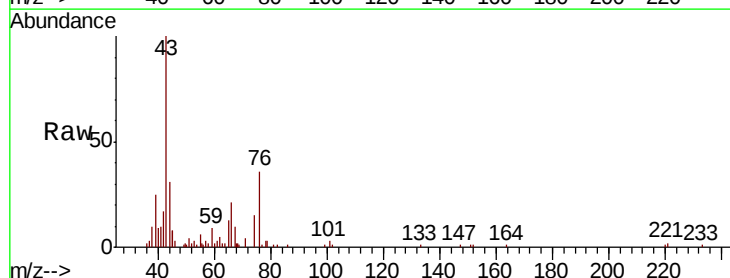
Tgt Ion: 76 Resp: 6169

Ion Ratio Lower Upper

76 100

44 0.0 17.9 26.9#

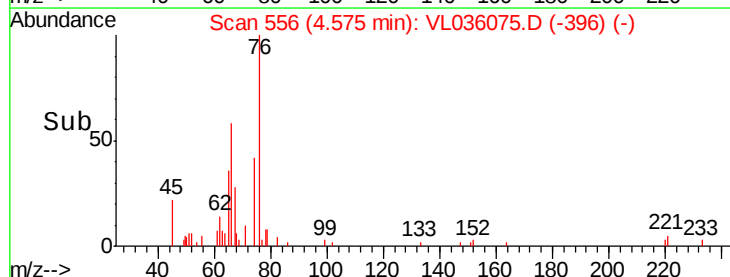
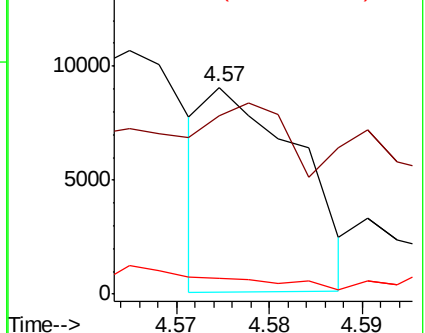
78 0.0 7.8 11.8#

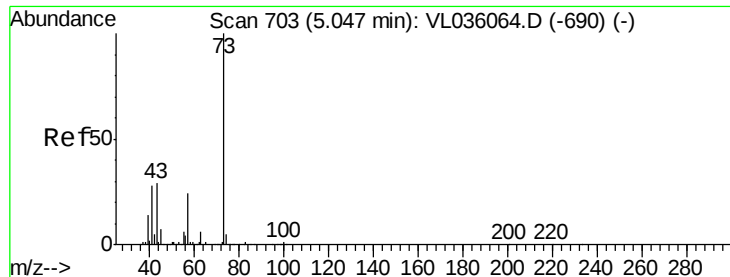


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



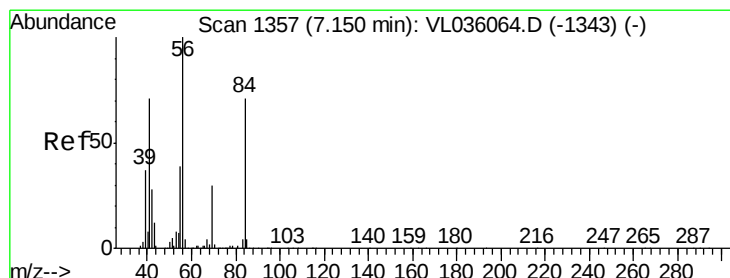
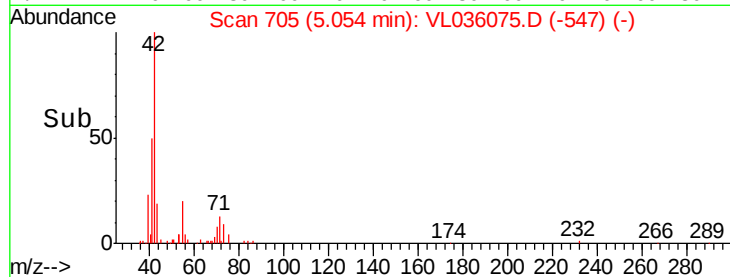
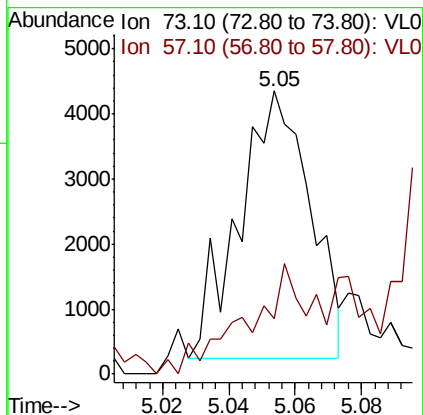
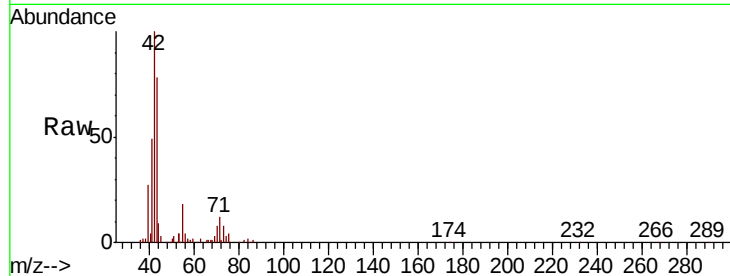


#28

Methvl tert-Butvl Ether
 Concen: 0.040 ppbv
 RT: 5.05 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VL036075.D
 Acq: 7 Dec 2020 21:48

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DUP

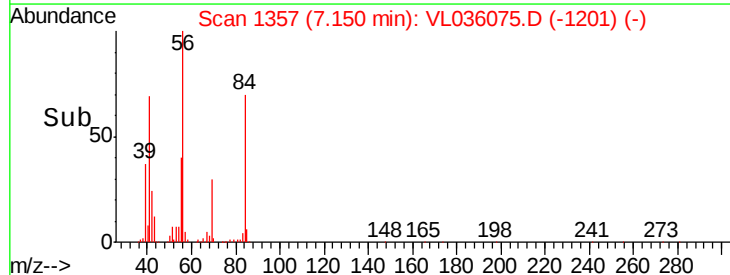
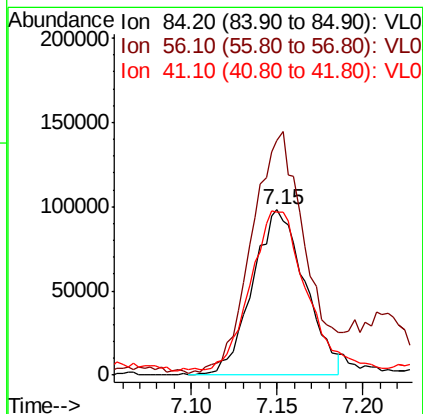
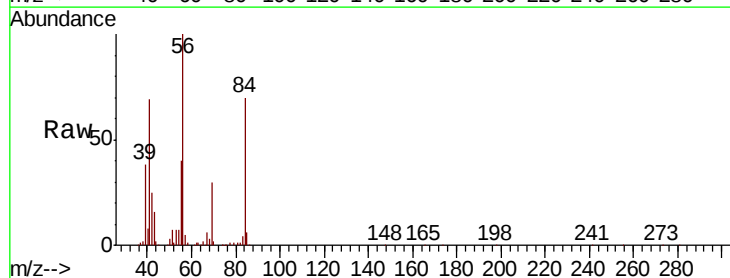
Tot Ion: 73 Resp: 6166
 Ion Ratio Lower Upper
 73 100
 57 1380.9 19.2 28.8#

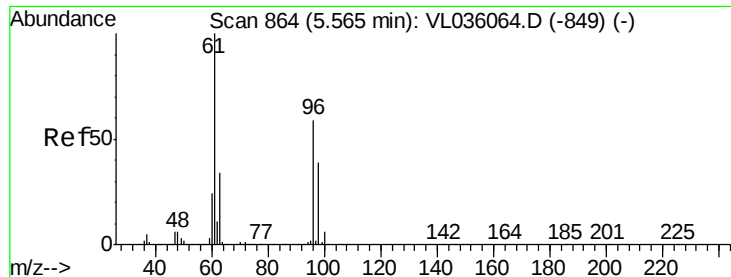


#30

Cyclohexane
 Concen: 2.640 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VL036075.D
 Acq: 7 Dec 2020 21:48

Tgt Ion: 84 Resp: 208793
 Ion Ratio Lower Upper
 84 100
 56 152.5 128.0 192.0
 41 104.2 81.3 121.9



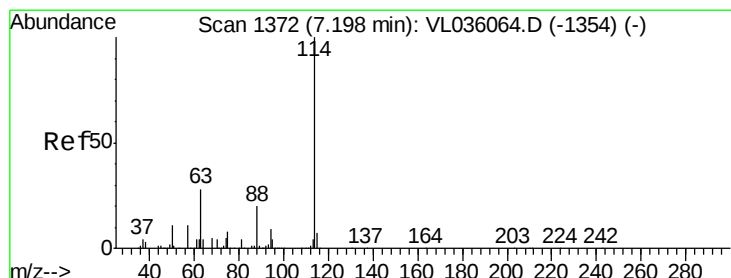
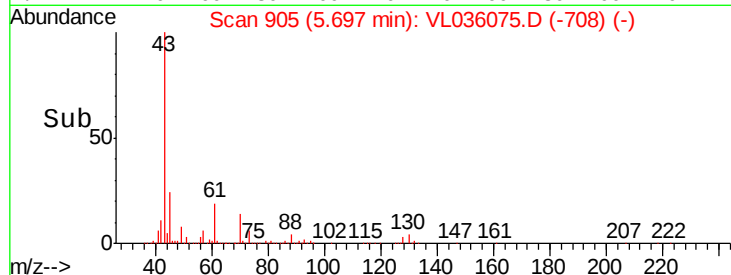
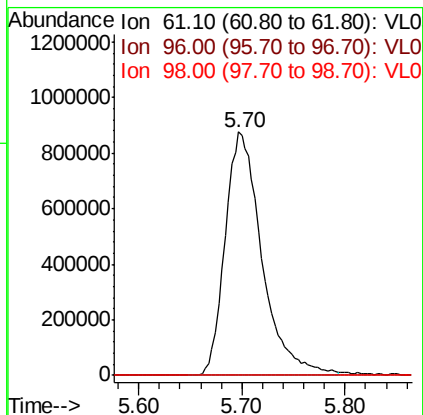
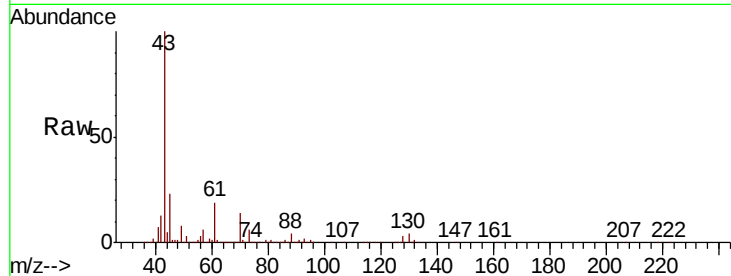


#31

cis-1,2-Dichloroethene
 Concen: 22.264 ppbv
 RT: 5.70 min Scan# 905
 Delta R.T. 0.13 min
 Lab File: VL036075.D
 Acq: 7 Dec 2020 21:48

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DUP

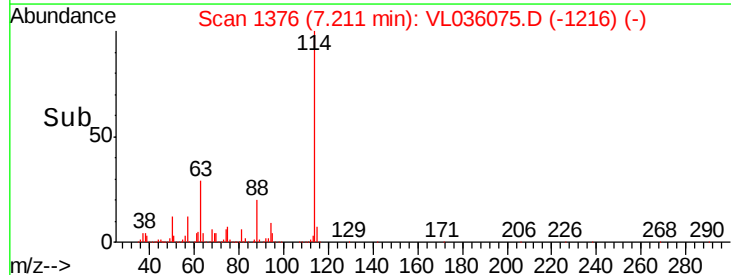
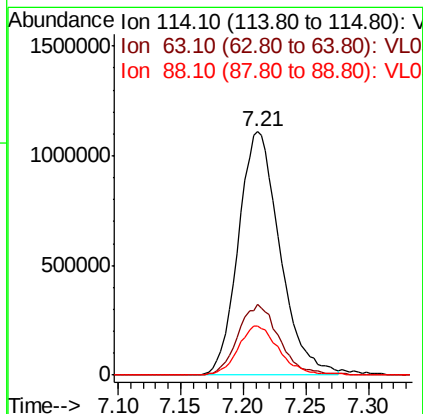
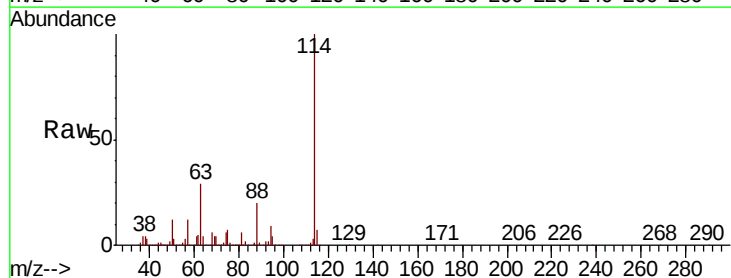
Tot Ion: 61 Resp: 2178933
 Ion Ratio Lower Upper
 61 100
 96 0.1 47.3 70.9#
 98 0.0 31.4 47.0#

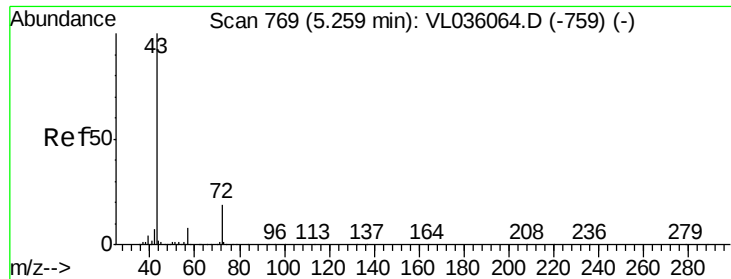


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VL036075.D
 Acq: 7 Dec 2020 21:48

Tgt Ion: 114 Resp: 2557196
 Ion Ratio Lower Upper
 114 100
 63 29.3 23.6 35.4
 88 20.1 15.8 23.6

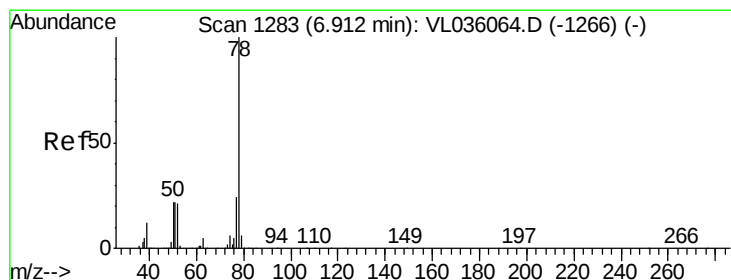
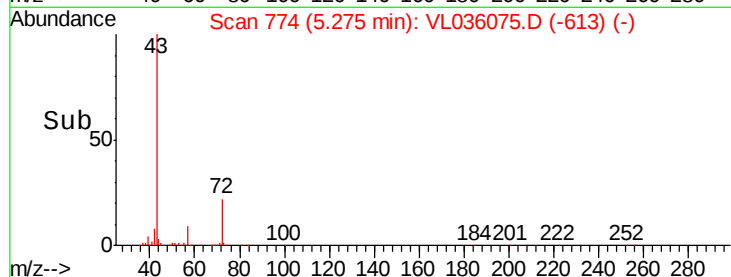
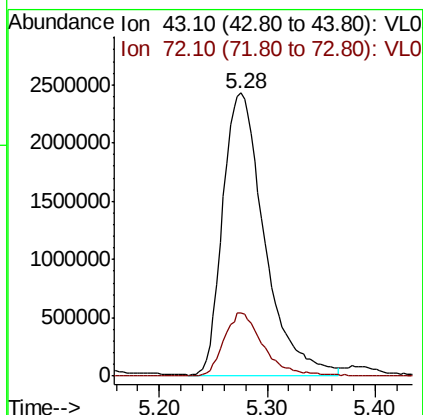
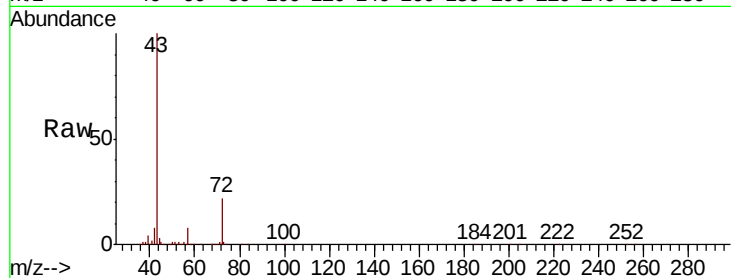




#34
2-Butanone
Concen: 38.293 ppbv
RT: 5.28 min Scan# 774
Delta R.T. 0.02 min
Lab File: VL036075.D
Acq: 7 Dec 2020 21:48

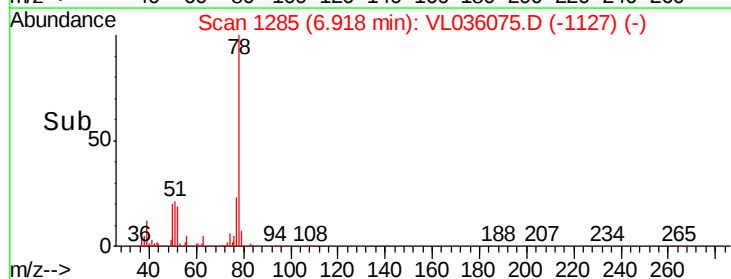
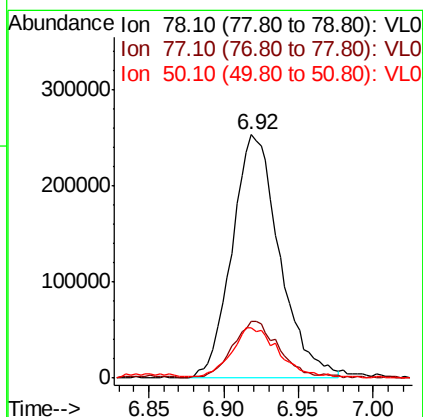
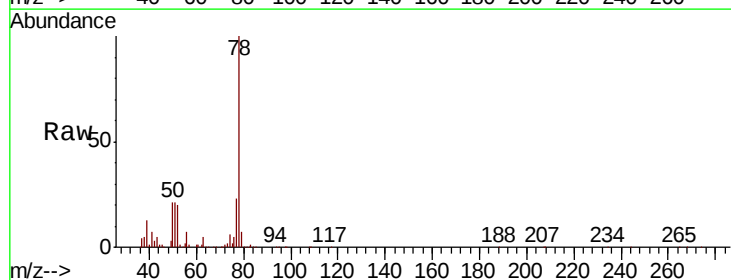
Instrument :
MSVOA_L
ClientSampleId :
IA-3DUP

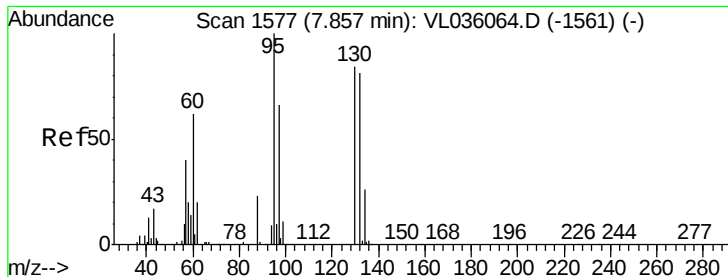
Tot Ion: 43 Resp: 6495383
Ion Ratio Lower Upper
43 100
72 21.4 16.5 24.7



#36
Benzene
Concen: 2.564 ppbv
RT: 6.92 min Scan# 1285
Delta R.T. 0.01 min
Lab File: VL036075.D
Acq: 7 Dec 2020 21:48

Tgt Ion: 78 Resp: 555735
Ion Ratio Lower Upper
78 100
77 23.2 19.4 29.2
50 19.9 17.8 26.8





#38

Trichloroethene

Concen: 0.066 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VL036075.D

Acq: 7 Dec 2020 21:48

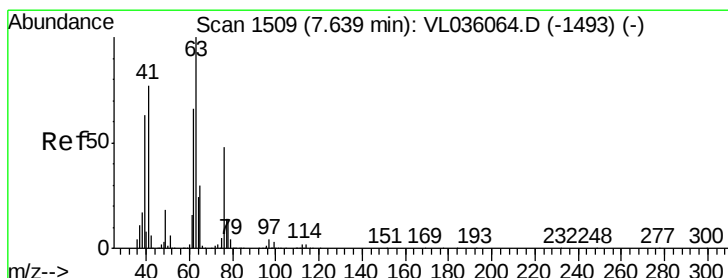
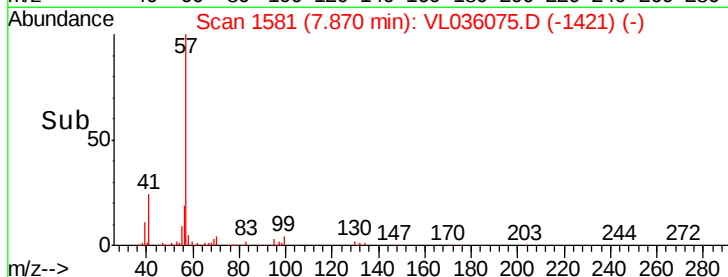
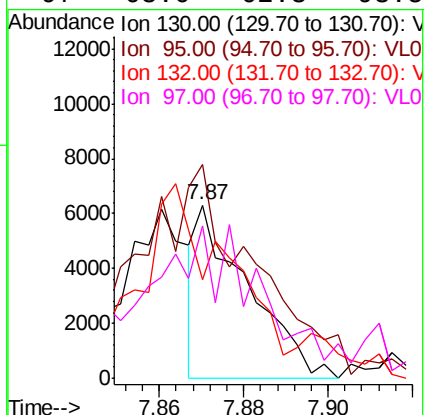
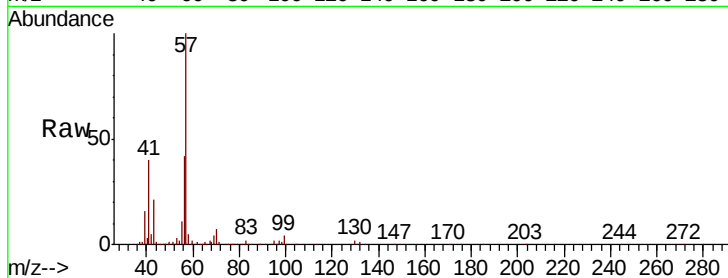
Instrument :

MSVOA_L

ClientSampleId :

IA-3DUP

Tot Ion:	130	Resp:	5351
Ion	Ratio	Lower	Upper
130	100		
95	98.2	95.2	142.8
132	43.0	76.9	115.3#
97	68.0	62.3	93.5



#39

1,2-Dichloropropane

Concen: 8.476 ppbv

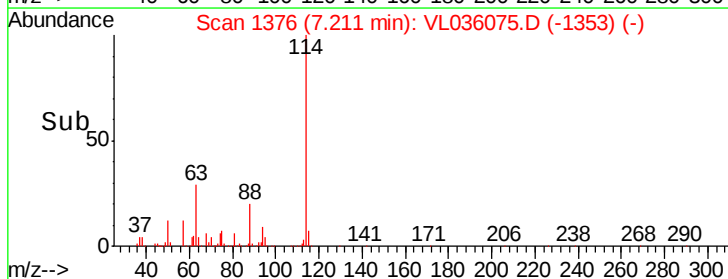
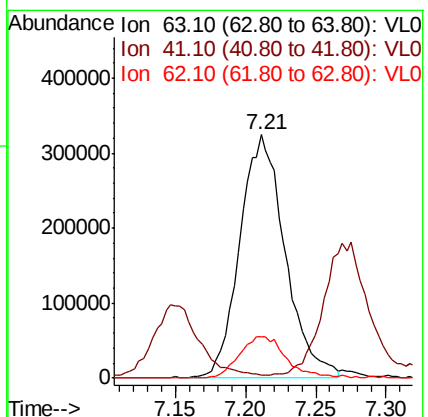
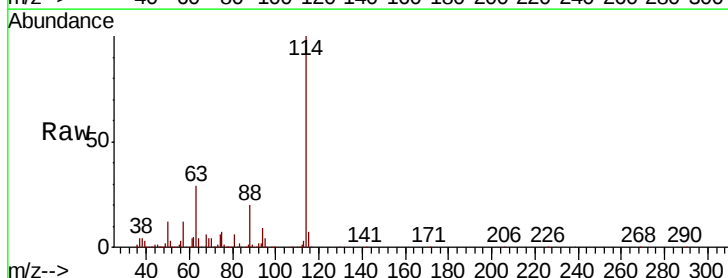
RT: 7.21 min Scan# 1376

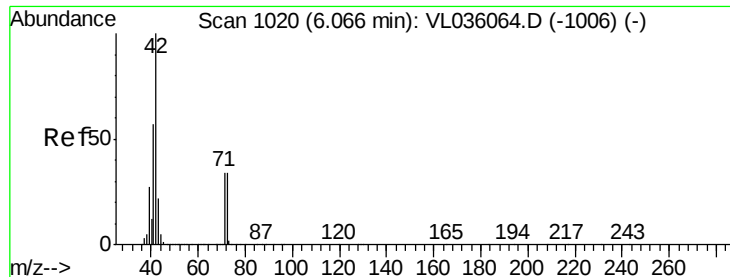
Delta R.T. -0.43 min

Lab File: VL036075.D

Acq: 7 Dec 2020 21:48

Tgt Ion:	63	Resp:	725450
Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.9	92.9#
62	16.8	52.5	78.7#





#41

Tetrahydrofuran

Concen: 20.600 ppbv

RT: 6.07 min Scan# 1021

Delta R.T. 0.00 min

Lab File: VL036075.D

Acq: 7 Dec 2020 21:48

Instrument :

MSVOA_L

ClientSampled :

IA-3DUP

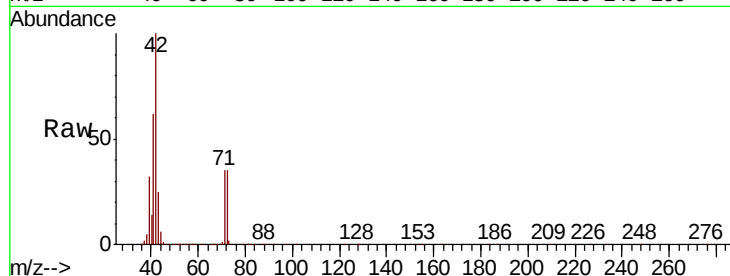
Tot Ion: 42 Resp: 2075912

Ion Ratio Lower Upper

42 100

72 34.8 28.3 42.5

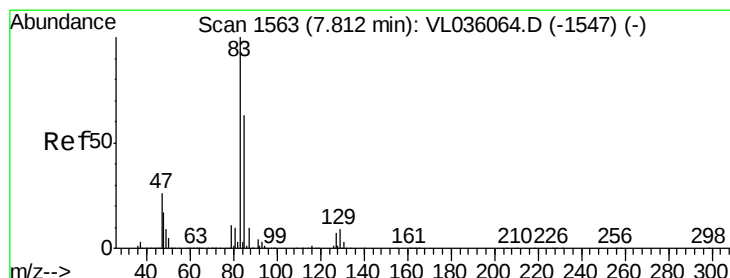
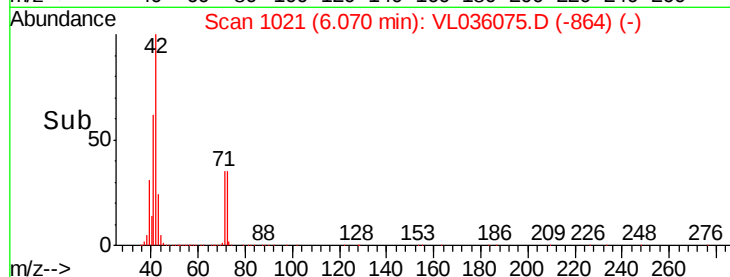
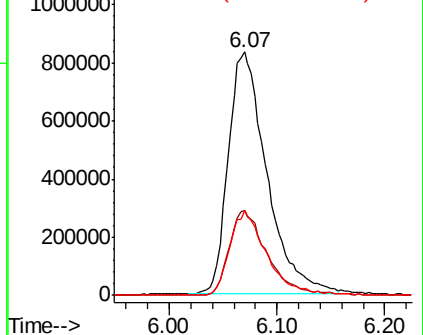
71 33.8 27.3 40.9



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



#42

Bromodichloromethane

Concen: 0.043 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. 0.02 min

Lab File: VL036075.D

Acq: 7 Dec 2020 21:48

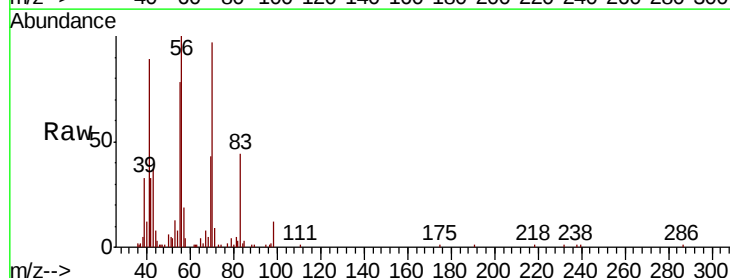
Tgt Ion: 83 Resp: 7119

Ion Ratio Lower Upper

83 100

85 9.6 50.2 75.2#

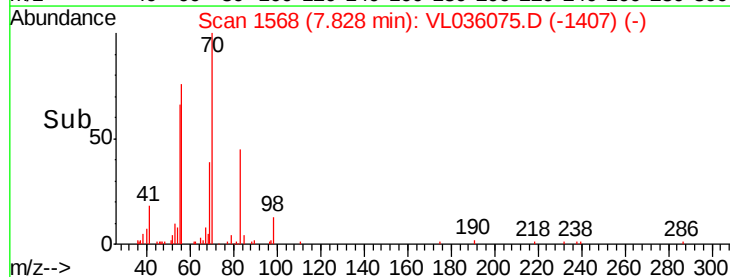
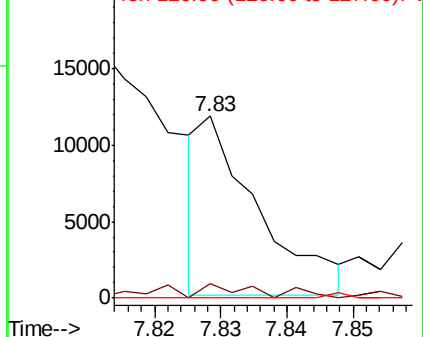
127 0.0 5.5 8.3#

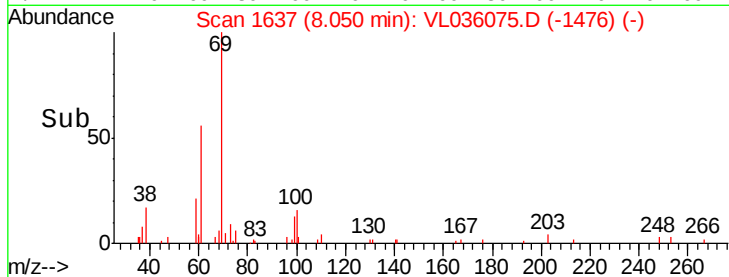
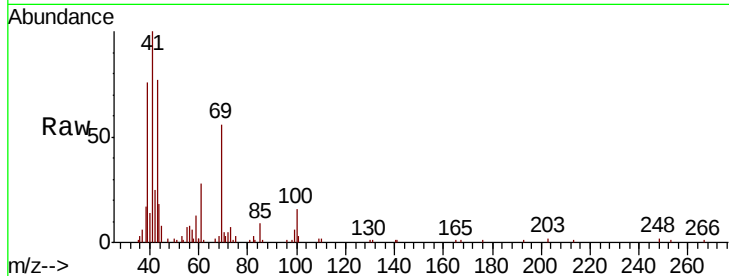
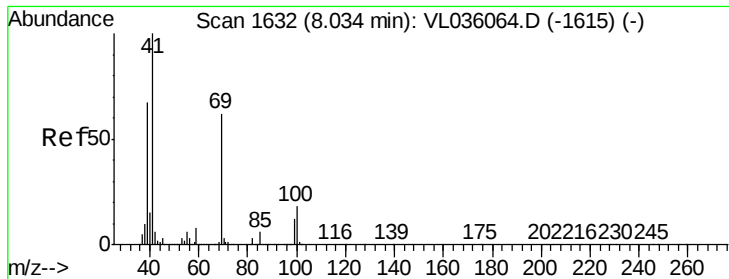


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 0.131 ppbv

RT: 8.05 min Scan# 1637

Delta R.T. 0.02 min

Lab File: VL036075.D

Acq: 7 Dec 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

IA-3DUP

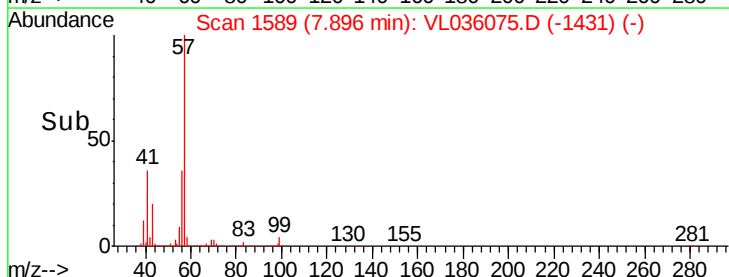
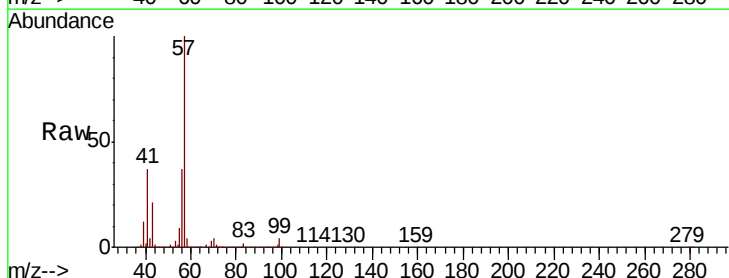
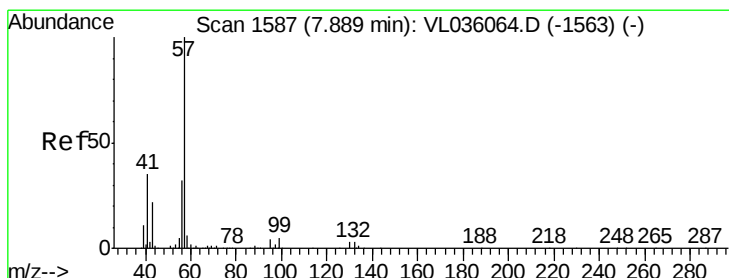
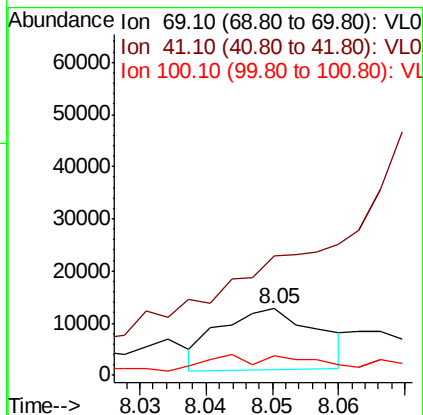
Tot Ion: 69 Resp: 12149

Ion Ratio Lower Upper

69 100

41 0.0 133.0 199.6#

100 60.2 25.4 38.0#



#44

2,2,4-Trimethylpentane

Concen: 5.939 ppbv

RT: 7.90 min Scan# 1589

Delta R.T. 0.01 min

Lab File: VL036075.D

Acq: 7 Dec 2020 21:48

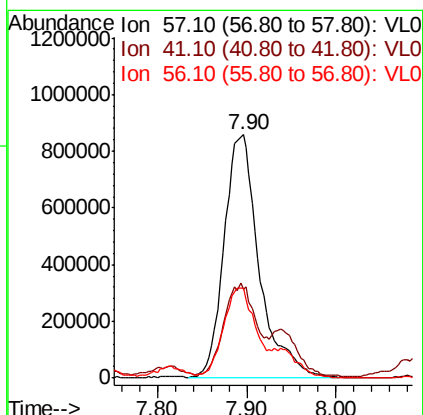
Tgt Ion: 57 Resp: 2330727

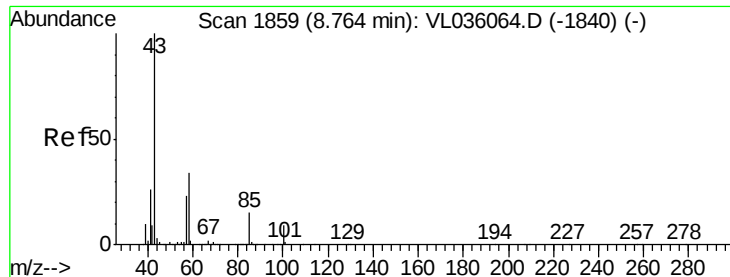
Ion Ratio Lower Upper

57 100

41 37.4 28.9 43.3

56 43.3 25.3 37.9#

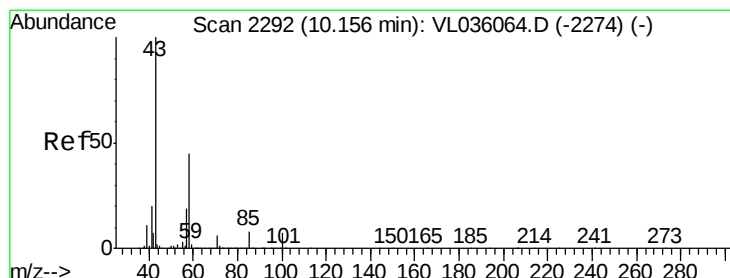
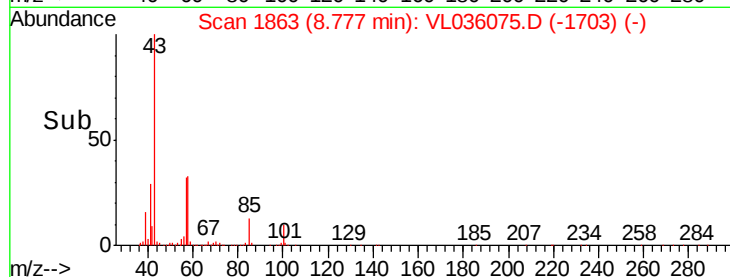
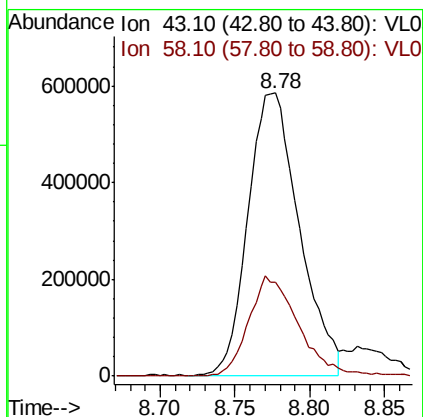
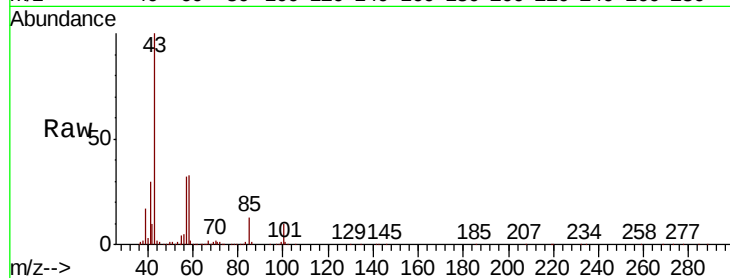




#50
4-Methyl-2-Pentanone
Concen: 5.510 ppbv
RT: 8.78 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VL036075.D
Acq: 7 Dec 2020 21:48

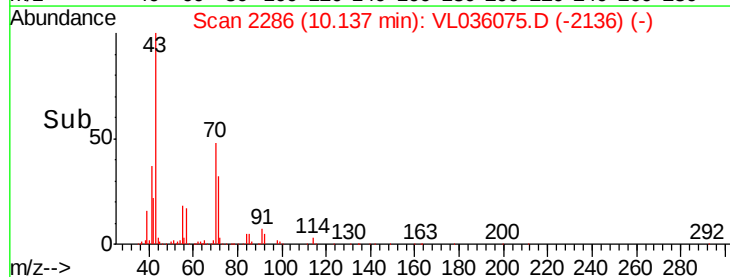
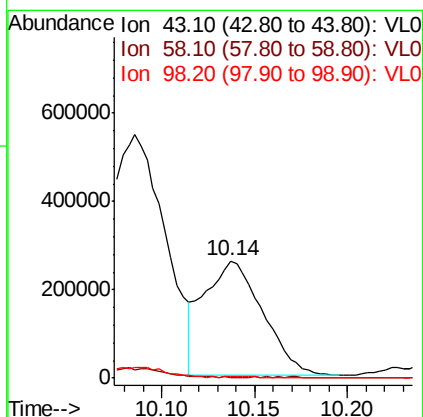
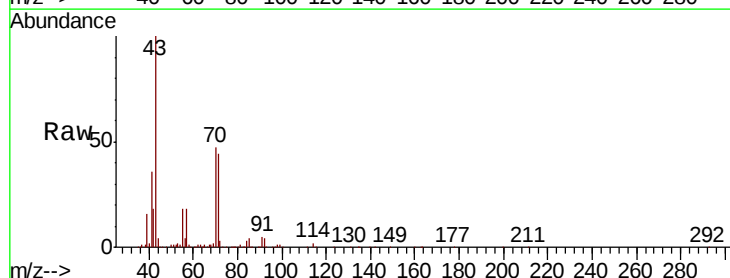
Instrument :
MSVOA_L
ClientSampleId :
IA-3DUP

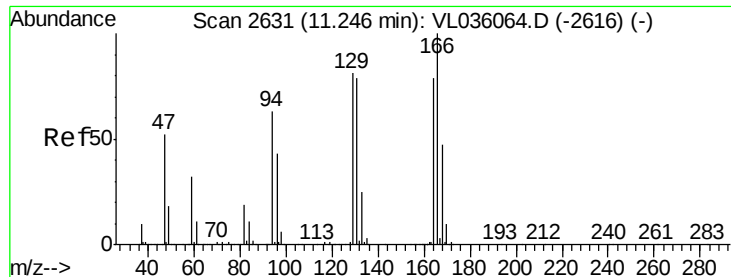
Tot Ion: 43 Resp: 1393788
Ion Ratio Lower Upper
43 100
58 34.9 27.4 41.2



#51
2-Hexanone
Concen: 2.894 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.02 min
Lab File: VL036075.D
Acq: 7 Dec 2020 21:48

Tgt Ion: 43 Resp: 572193
Ion Ratio Lower Upper
43 100
58 0.5 38.7 58.1#
98 0.0 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.226 ppbv

RT: 11.26 min Scan# 2636

Delta R.T. 0.02 min

Lab File: VL036075.D

Acq: 7 Dec 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

IA-3DUP

Tot Ion:164 Resp: 17730

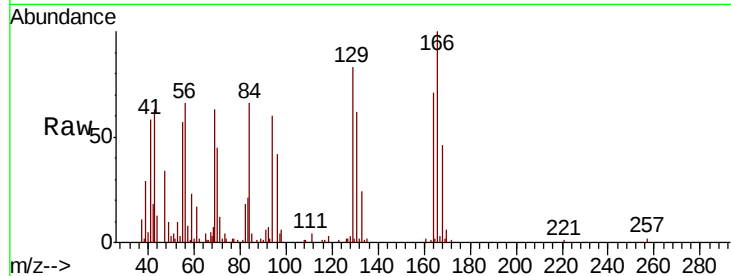
Ion Ratio Lower Upper

164 100

166 120.7 101.9 152.9

129 145.5 82.1 123.1#

131 50.8 80.8 121.2#

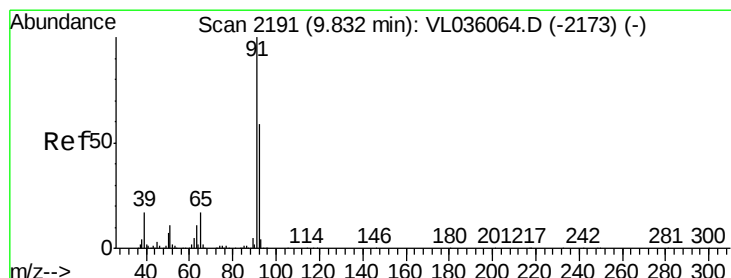
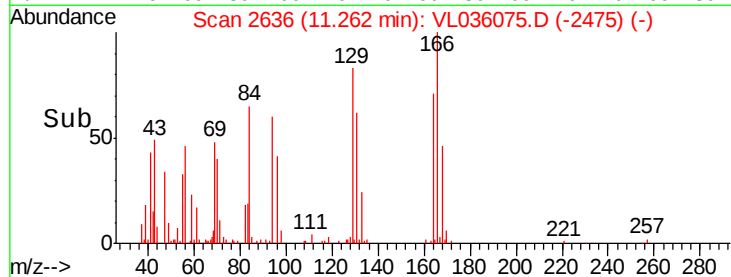
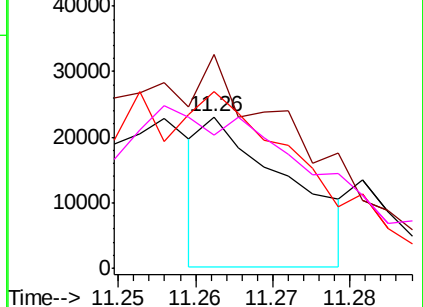


Abundance Ion 163.90 (163.60 to 164.60): V

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: 111.402 ppbv

RT: 9.86 min Scan# 2200

Delta R.T. 0.03 min

Lab File: VL036075.D

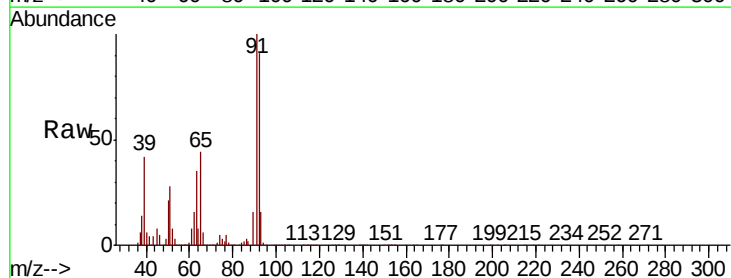
Acq: 7 Dec 2020 21:48

Tgt Ion: 91 Resp:27109793

Ion Ratio Lower Upper

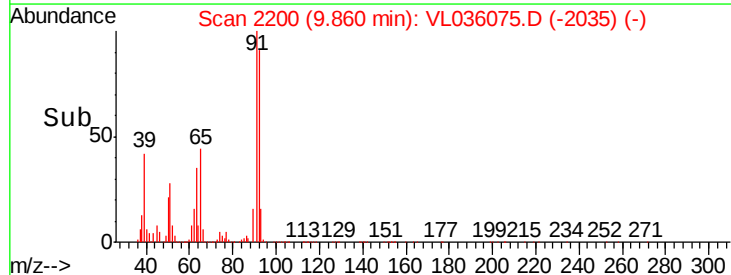
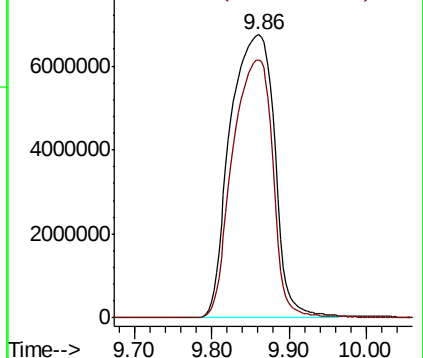
91 100

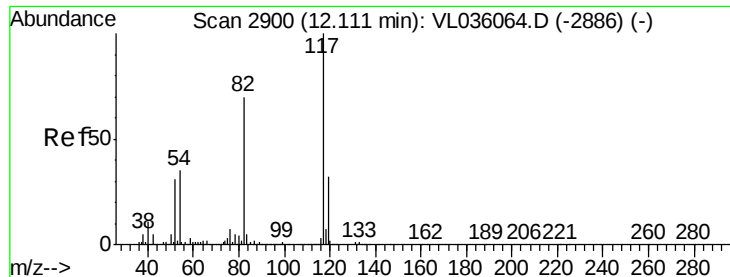
92 82.7 48.2 72.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

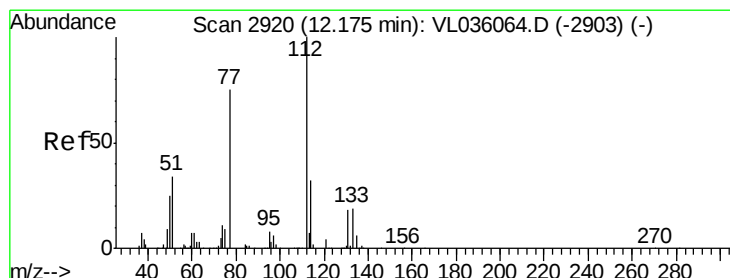
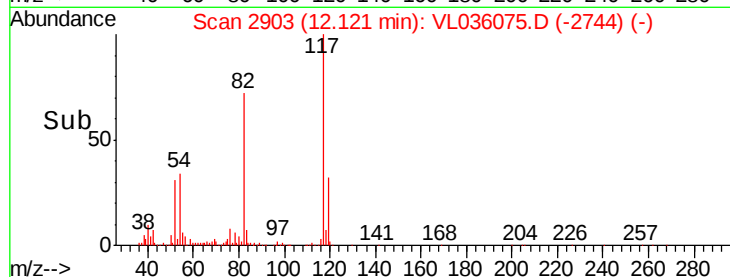
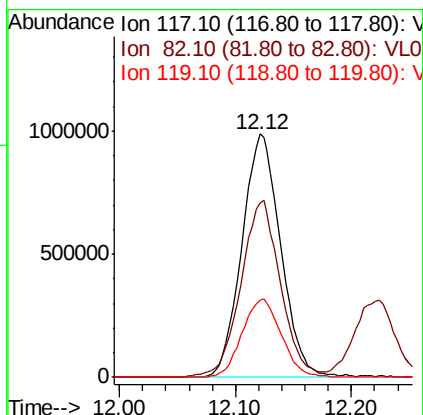
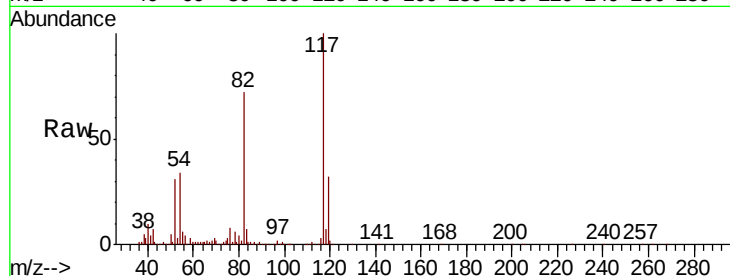




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL036075.D
Acq: 7 Dec 2020 21:48

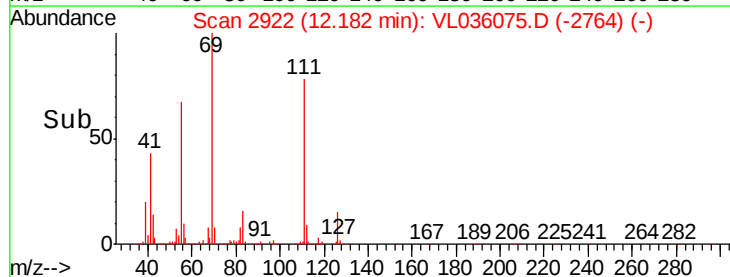
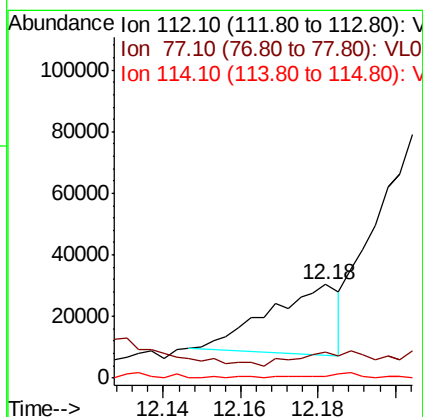
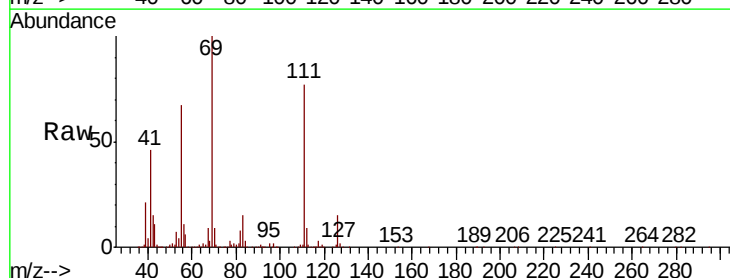
Instrument :
MSVOA_L
ClientSampleID :
IA-3DUP

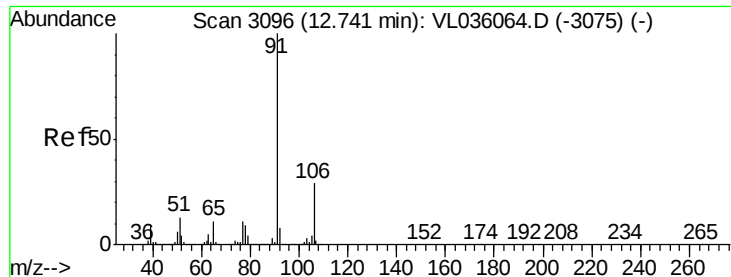
Tot Ion:117 Resp: 2294634
Ion Ratio Lower Upper
117 100
82 74.1 0.0 0.0#
119 32.7 0.0 0.0#



#57
Chlorobenzene
Concen: 0.180 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. 0.01 min
Lab File: VL036075.D
Acq: 7 Dec 2020 21:48

Tgt Ion:112 Resp: 29071
Ion Ratio Lower Upper
112 100
77 10.0 60.5 90.7#
114 0.0 29.2 35.6#





#58

Ethyl Benzene

Concen: 11.829 ppbv

RT: 12.75 min Scan# 3098

Delta R.T. 0.01 min

Lab File: VL036075.D

Acq: 7 Dec 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

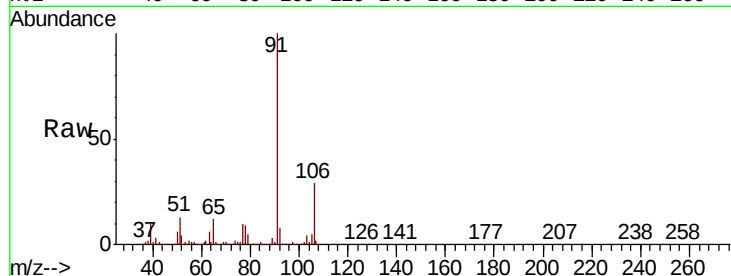
IA-3DUP

Tot Ion: 91 Resp: 3719809

Ion Ratio Lower Upper

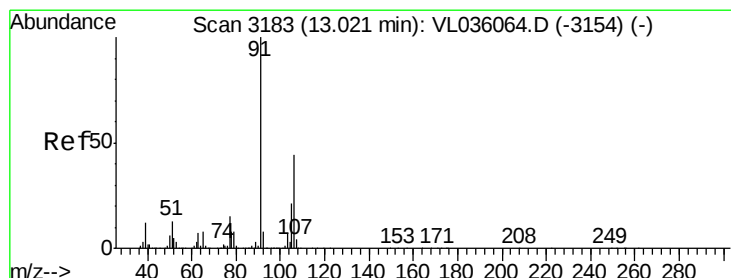
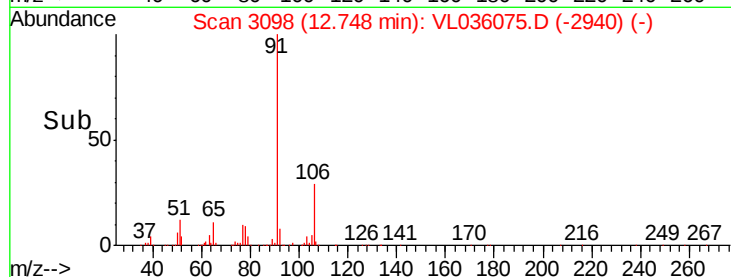
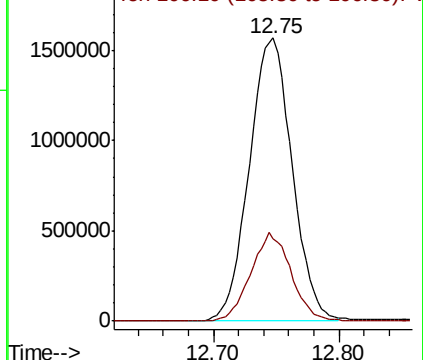
91 100

106 29.3 23.0 34.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 34.150 ppbv

RT: 13.00 min Scan# 3177

Delta R.T. -0.02 min

Lab File: VL036075.D

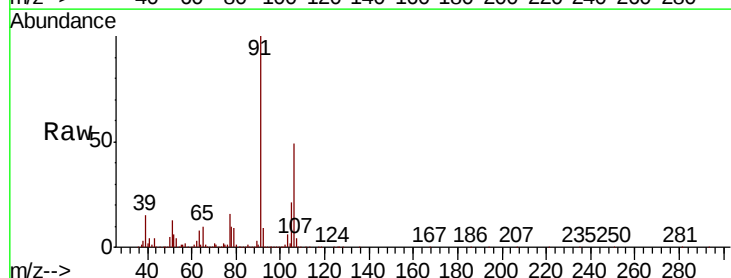
Acq: 7 Dec 2020 21:48

Tgt Ion: 91 Resp: 9044926

Ion Ratio Lower Upper

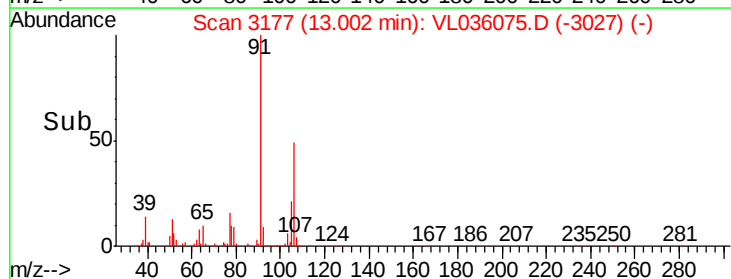
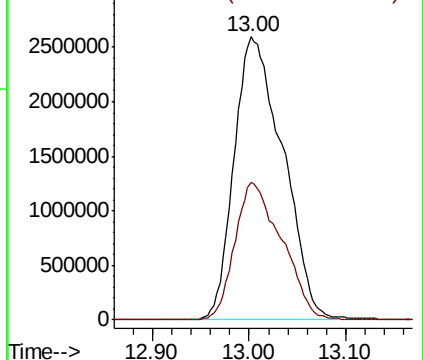
91 100

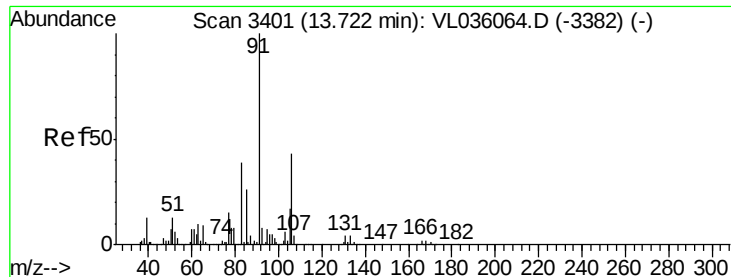
106 47.0 33.6 50.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

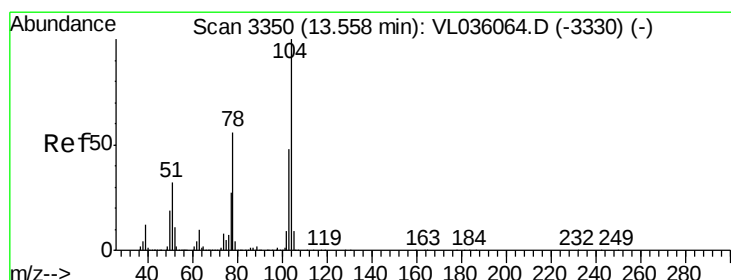
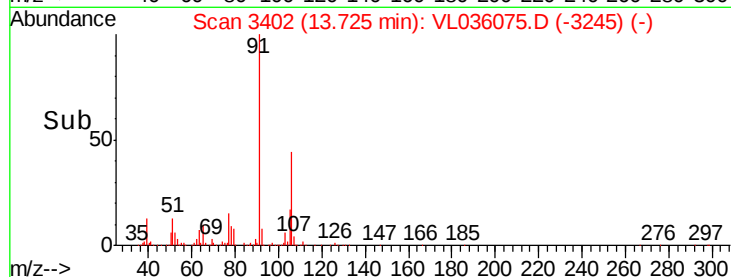
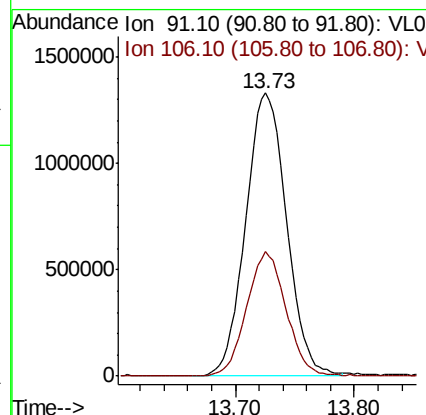
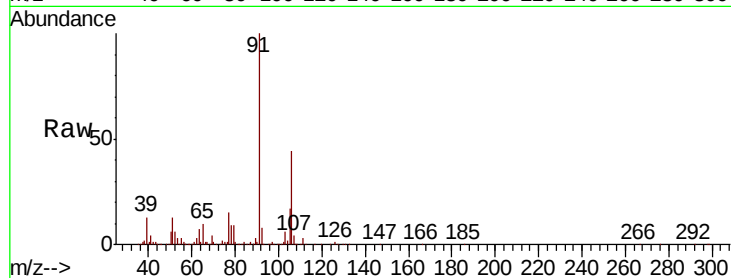




#60
o-Xylene
Concen: 12.640 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VL036075.D
Acq: 7 Dec 2020 21:48

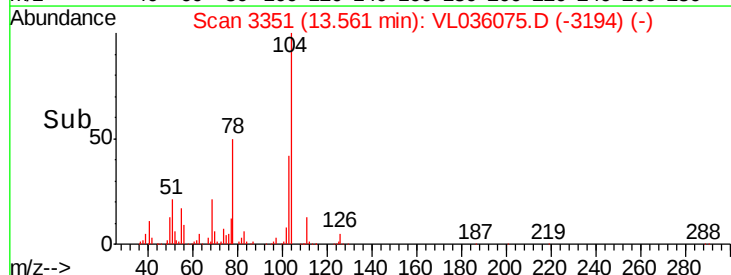
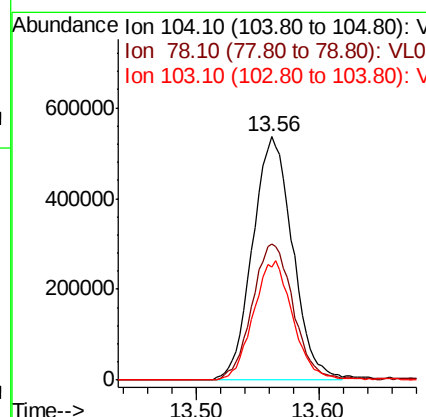
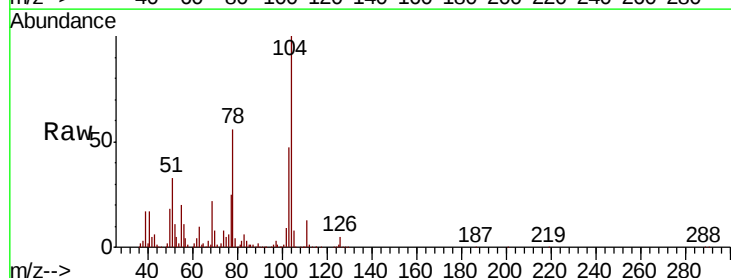
Instrument :
MSVOA_L
ClientSampleId :
IA-3DUP

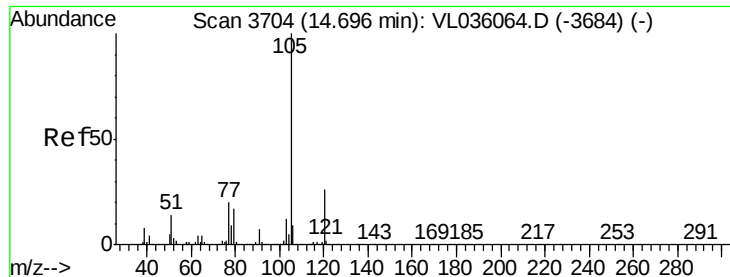
Tot Ion: 91 Resp: 3154214
Ion Ratio Lower Upper
91 100
106 42.4 21.6 64.6



#61
Styrene
Concen: 7.594 ppbv
RT: 13.56 min Scan# 3351
Delta R.T. 0.00 min
Lab File: VL036075.D
Acq: 7 Dec 2020 21:48

Tgt Ion: 104 Resp: 1216591
Ion Ratio Lower Upper
104 100
78 57.9 45.8 68.8
103 48.7 38.6 57.8





#62

Isopropylbenzene

Concen: 0.598 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL036075.D

Acq: 7 Dec 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

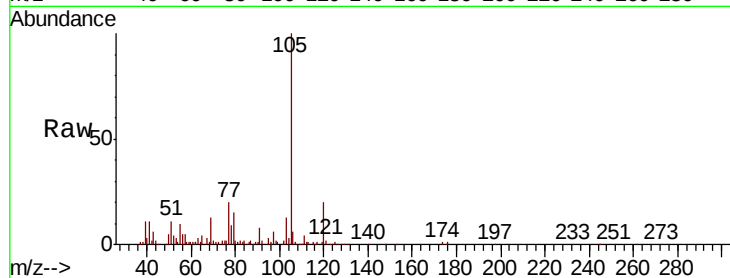
IA-3DUP

Tot Ion:105 Resp: 221306

Ion Ratio Lower Upper

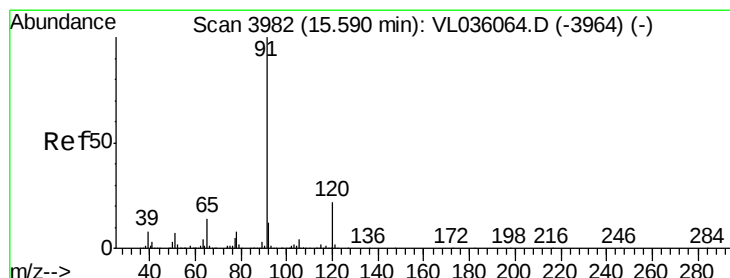
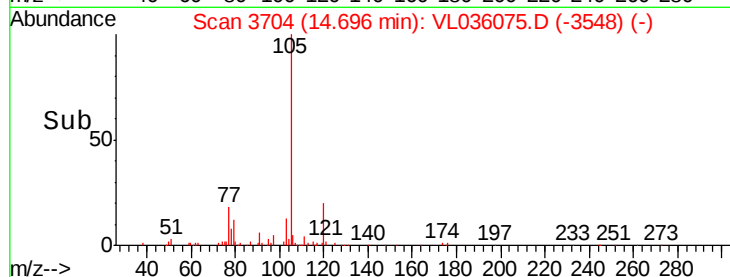
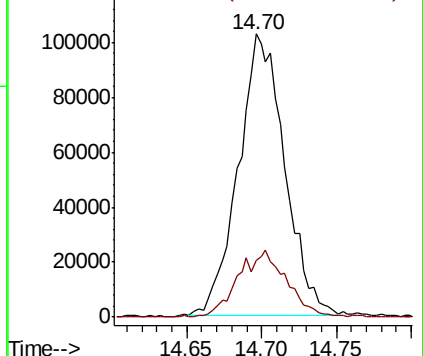
105 100

120 25.2 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: 1.849 ppbv

RT: 15.59 min Scan# 3982

Delta R.T. 0.00 min

Lab File: VL036075.D

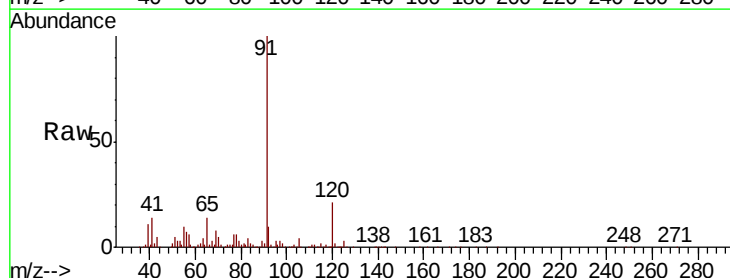
Acq: 7 Dec 2020 21:48

Tgt Ion:120 Resp: 164511

Ion Ratio Lower Upper

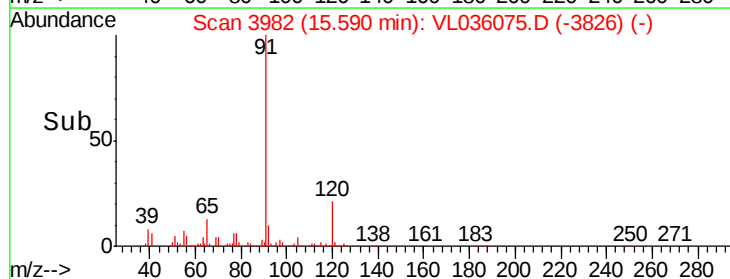
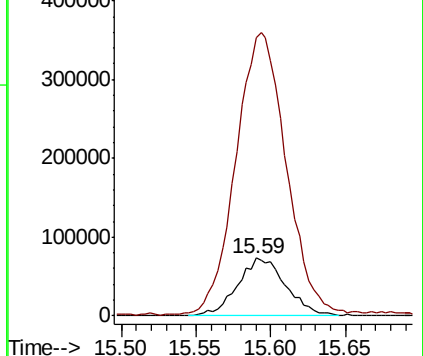
120 100

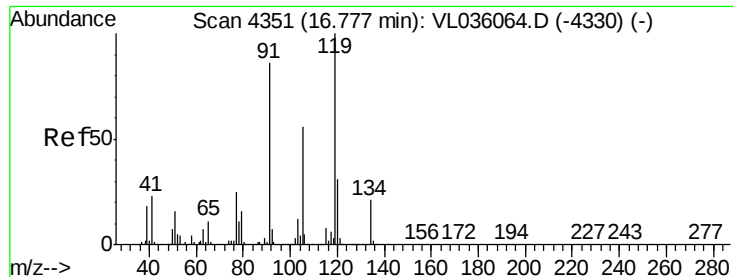
91 512.9 388.9 583.3



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.421 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. 0.01 min

Lab File: VL036075.D

Acq: 7 Dec 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

IA-3DUP

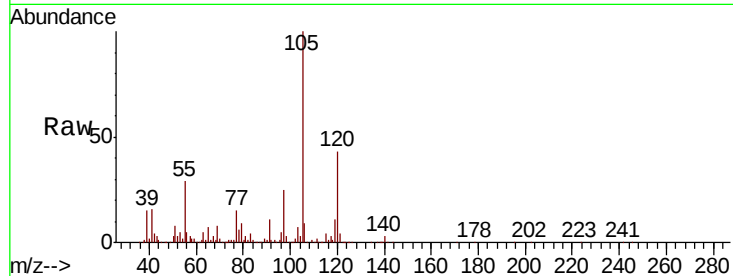
Tot Ion:119 Resp: 127477

Ion Ratio Lower Upper

119 100

91 115.9 70.2 105.2#

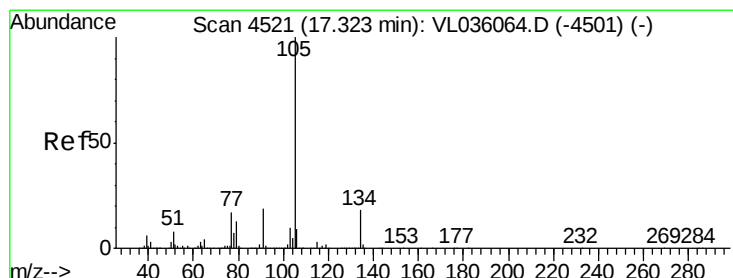
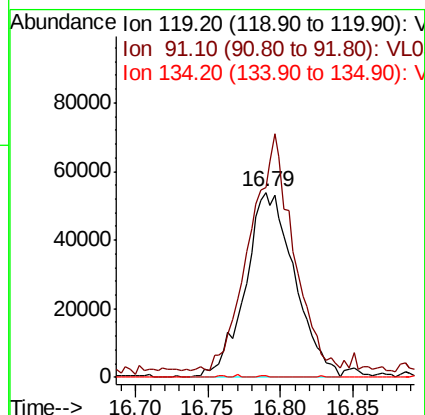
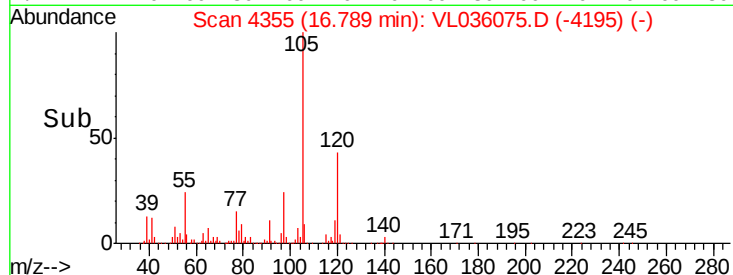
134 0.0 15.8 23.6#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#67

sec-Butylbenzene

Concen: 0.110 ppbv

RT: 17.33 min Scan# 4522

Delta R.T. 0.00 min

Lab File: VL036075.D

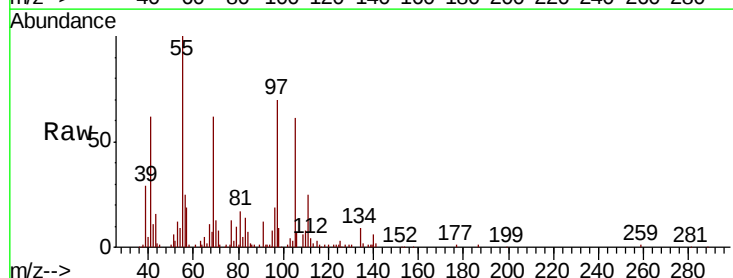
Acq: 7 Dec 2020 21:48

Tgt Ion:105 Resp: 46420

Ion Ratio Lower Upper

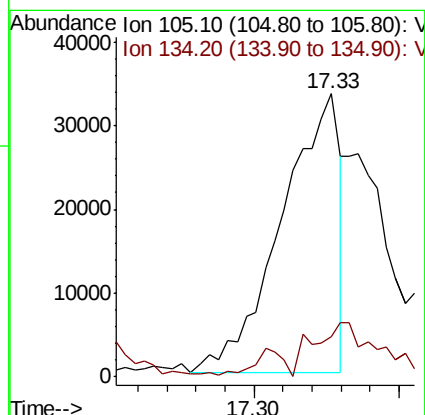
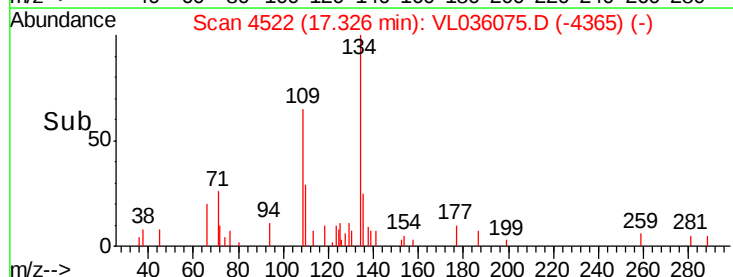
105 100

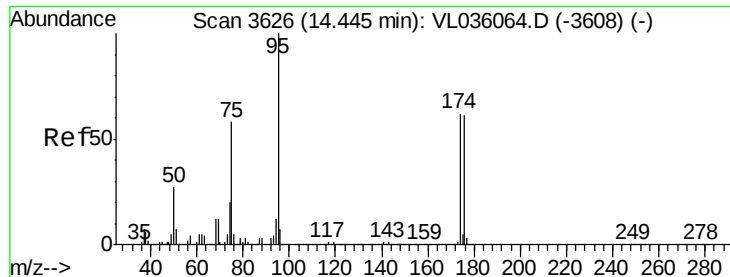
134 17.6 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

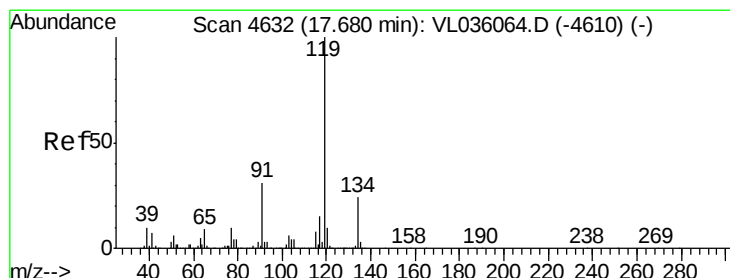
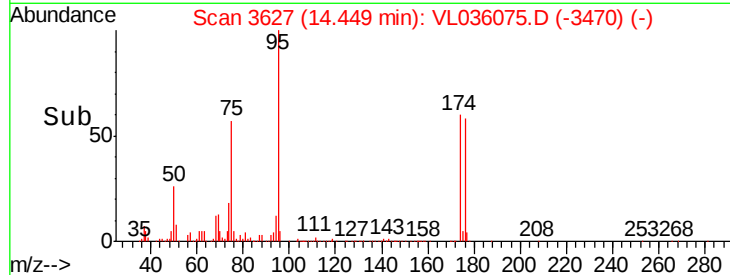
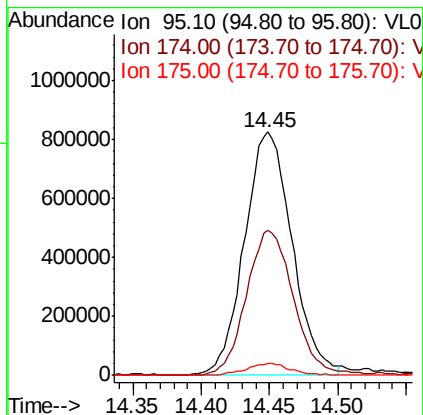
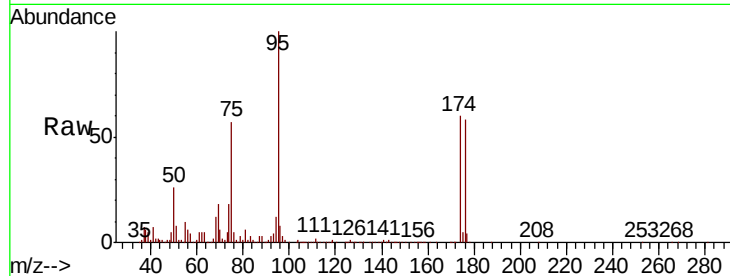




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.938 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. 0.00 min
 Lab File: VL036075.D
 Acq: 7 Dec 2020 21:48

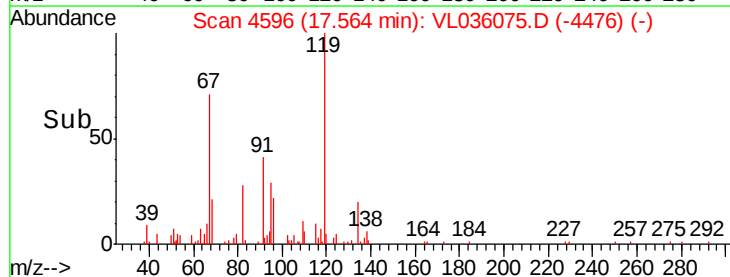
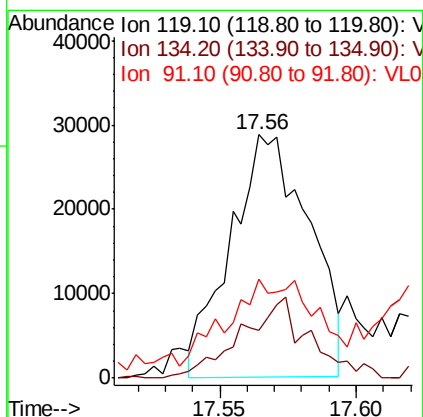
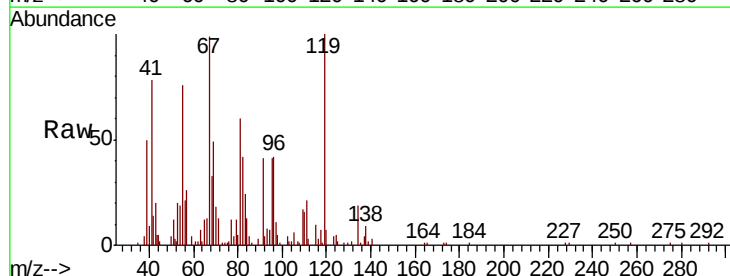
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DUP

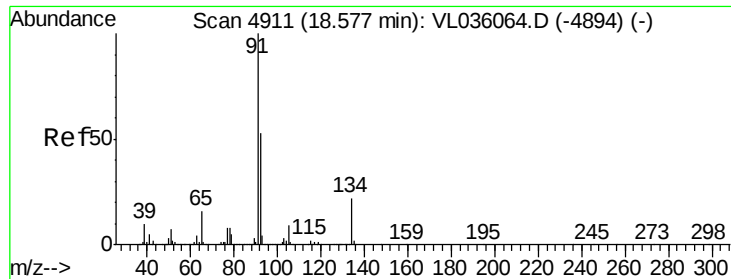
Tot Ion: 95 Resp: 1992916
 Ion Ratio Lower Upper
 95 100
 174 60.1 50.7 76.1
 175 4.6 4.0 6.0



#69
 p-Isopropyltoluene
 Concen: 0.172 ppbv
 RT: 17.56 min Scan# 4596
 Delta R.T. -0.12 min
 Lab File: VL036075.D
 Acq: 7 Dec 2020 21:48

Tgt Ion: 119 Resp: 57904
 Ion Ratio Lower Upper
 119 100
 134 28.7 19.8 29.6
 91 38.6 25.8 38.6

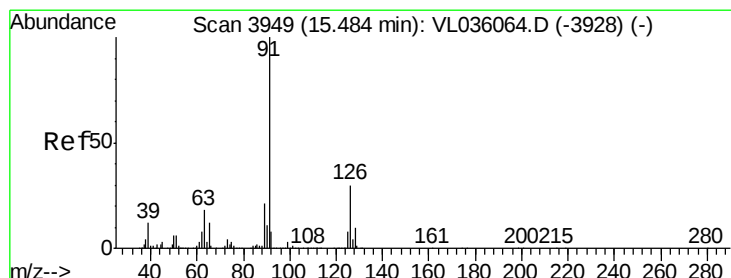
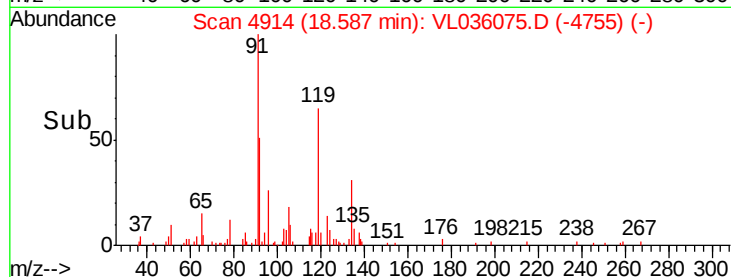
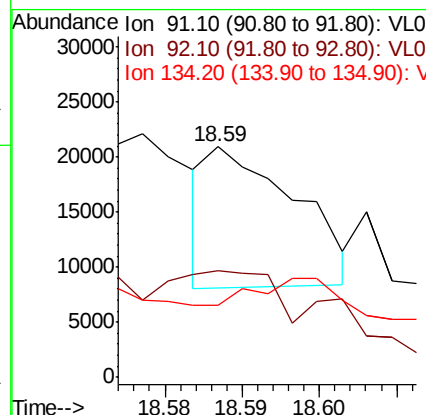
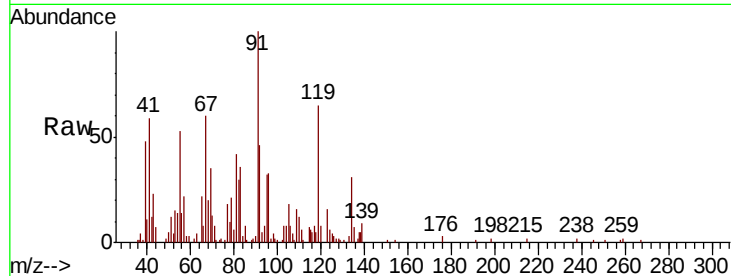




#70
n-Butylbenzene
Concen: 0.030 ppbv
RT: 18.59 min Scan# 4914
Delta R.T. 0.01 min
Lab File: VL036075.D
Acq: 7 Dec 2020 21:48

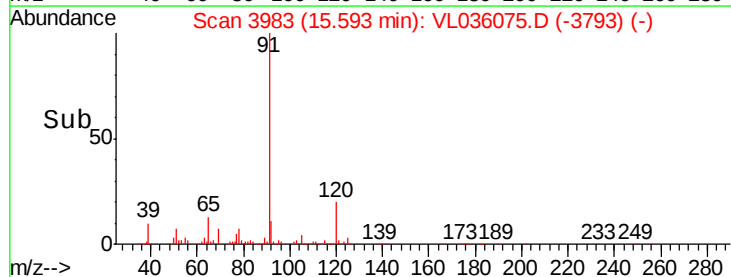
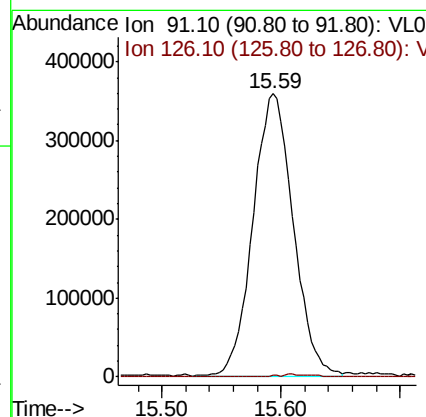
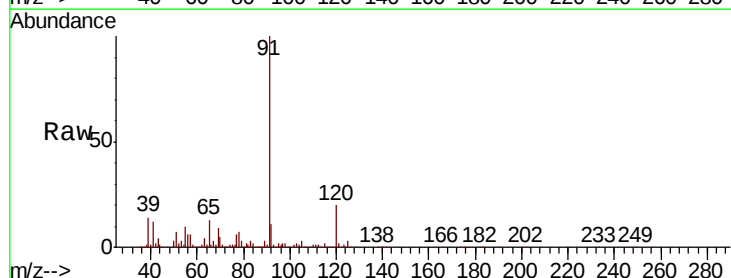
Instrument :
MSVOA_L
ClientSampled :
IA-3DUP

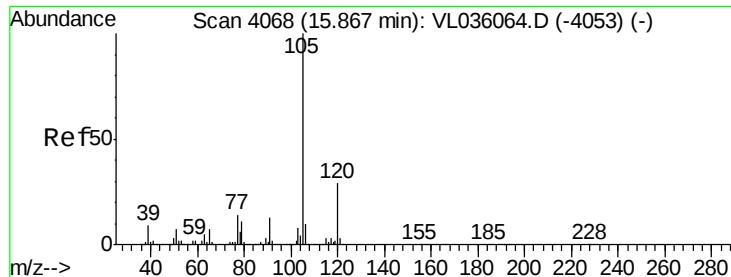
Tot Ion: 91 Resp: 10083
Ion Ratio Lower Upper
91 100
92 268.8 43.3 64.9#
134 0.0 17.1 25.7#



#71
2-Chlorotoluene
Concen: 2.989 ppbv
RT: 15.59 min Scan# 3983
Delta R.T. 0.11 min
Lab File: VL036075.D
Acq: 7 Dec 2020 21:48

Tgt Ion: 91 Resp: 835650
Ion Ratio Lower Upper
91 100
126 1.0 11.6 46.4#





#72

4-Ethyltoluene

Concen: 3.005 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. 0.00 min

Lab File: VL036075.D

Acq: 7 Dec 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

IA-3DUP

Tot Ion:105 Resp: 812356

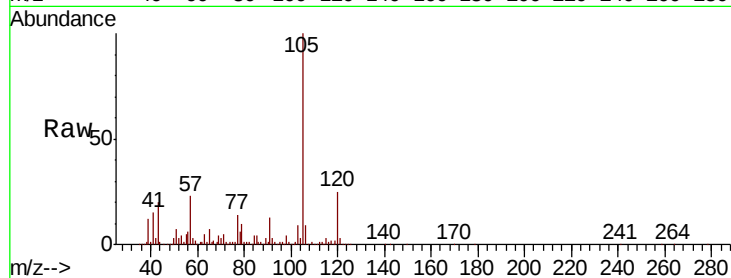
Ion Ratio Lower Upper

105 100

120 27.8 23.6 35.4

91 12.4 11.4 17.0

77 13.7 12.1 18.1

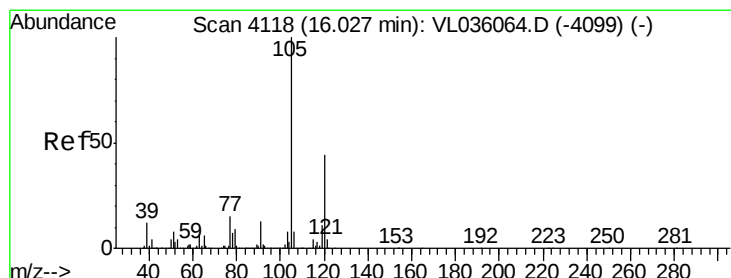
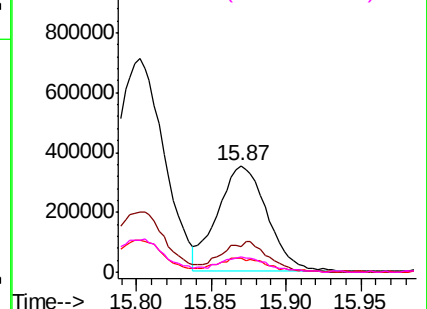
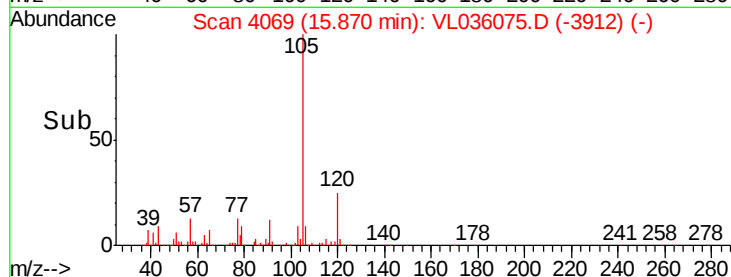


Abundance Ion 105.10 (104.80 to 105.80): V

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



#73

1,3,5-Trimethylbenzene

Concen: 1.883 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL036075.D

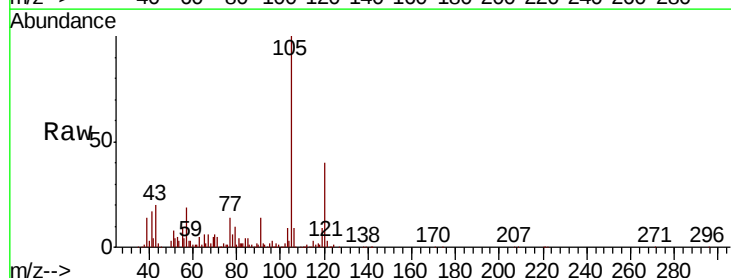
Acq: 7 Dec 2020 21:48

Tgt Ion:105 Resp: 486094

Ion Ratio Lower Upper

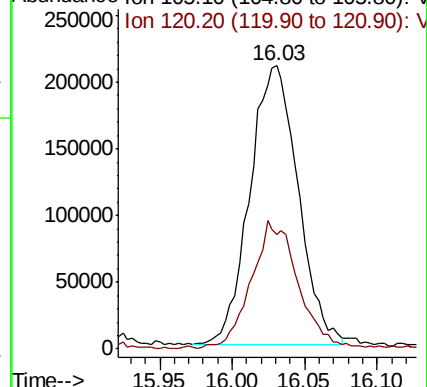
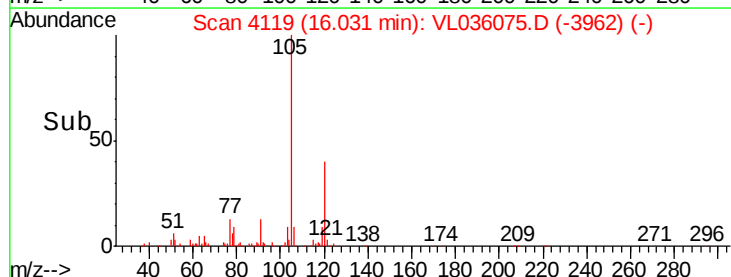
105 100

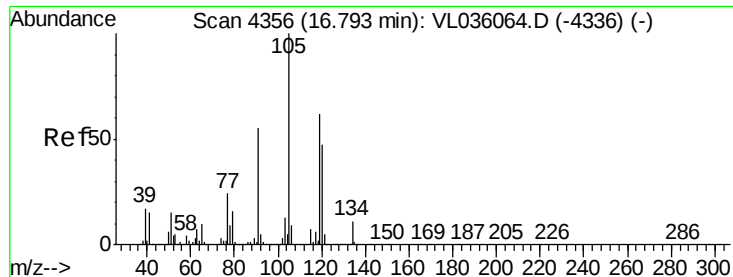
120 40.2 35.4 53.2



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: 4.621 ppbv
 RT: 16.79 min Scan# 4355
 Delta R.T. -0.00 min
 Lab File: VL036075.D
 Acq: 7 Dec 2020 21:48

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DUP

Tot Ion	Ratio	Lower	Upper
105	100		
120	42.5	37.4	56.0
91	10.9	45.6	68.4#
77	14.9	19.4	29.2#

