

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\
 Data File : VL036023.D
 Acq On : 25 Nov 2020 9:53
 Operator : SY/AP
 Sample : L4883-03 2X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 26 01:14:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1195242	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4172732	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4100627	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3227392	11.08	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	39782	0.177	ppbv 89
3) Chlorodifluoromethane	2.87	51	6399800	44.712	ppbv # 55
4) Chloromethane	3.11	50	8656	0.124	ppbv 95
9) Propene	3.00	41	38035	0.726	ppbv 96
11) Trichlorofluoromethane	3.93	101	38613	0.137	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	7682	0.037	ppbv 100
13) Ethanol	3.58	45	460436	40.512	ppbv 97
15) Acetone	3.82	43	3115776	24.383	ppbv 97
16) 1,3-Butadiene	3.30	39	5721	0.104	ppbv 96
17) tert-Butyl alcohol	4.28	59	21352	0.126	ppbv # 72
19) Isopropyl Alcohol	3.95	45	229182	2.919	ppbv # 90
20) Methylene Chloride	4.32	84	548302	6.095	ppbv 99
23) Vinyl Acetate	5.04	43	60476	0.338	ppbv # 86
25) Ethyl Acetate	5.66	43	164871	0.655	ppbv # 74
26) Hexane	5.66	57	266942	1.923	ppbv # 46
27) Carbon Disulfide	4.52	76	12113	0.058	ppbv # 83
34) 2-Butanone	5.22	43	394256	2.911	ppbv 98
36) Benzene	6.87	78	83871	0.270	ppbv 97
39) 1,2-Dichloropropane	7.15	63	879824	8.424	ppbv # 30
41) Tetrahydrofuran	5.66	42	93372	1.214	ppbv # 38
50) 4-Methyl-2-Pentanone	8.73	43	7562	0.037	ppbv # 31
51) 2-Hexanone	10.12	43	21462	0.129	ppbv # 99
52) Tetrachloroethene	11.20	164	18645	0.127	ppbv 96
53) Toluene	9.78	91	289078	0.772	ppbv 97
58) Ethyl Benzene	12.69	91	131794	0.264	ppbv 90
59) m/p-Xylene	12.95	91	323609	0.766	ppbv 99
60) o-Xylene	13.67	91	188406	0.458	ppbv 94
61) Styrene	13.51	104	33564	0.111	ppbv # 82
63) 1,1,2,2-Tetrachloroethane	13.67	83	56347	0.177	ppbv # 24
64) n-propylbenzene	15.54	120	39307	0.210	ppbv # 29
69) p-Isopropyltoluene	17.64	119	31698	0.048	ppbv # 1
70) n-Butylbenzene	18.56	91	434564	0.690	ppbv 95
72) 4-Ethyltoluene	15.82	105	86368	0.173	ppbv # 86
73) 1,3,5-Trimethylbenzene	15.98	105	61868	0.136	ppbv 87
74) 1,2,4-Trimethylbenzene	16.75	105	239328	0.490	ppbv # 66

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.03 min

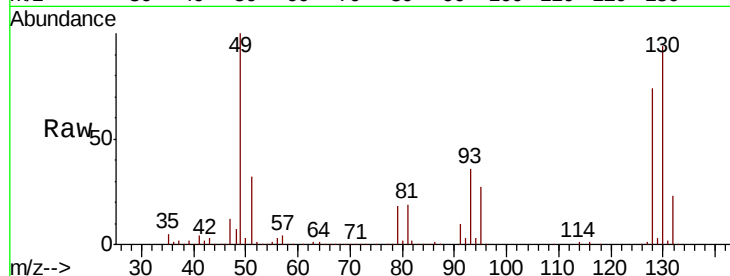
Lab File: VL036023.D

Acq: 25 Nov 2020 9:53

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1195242

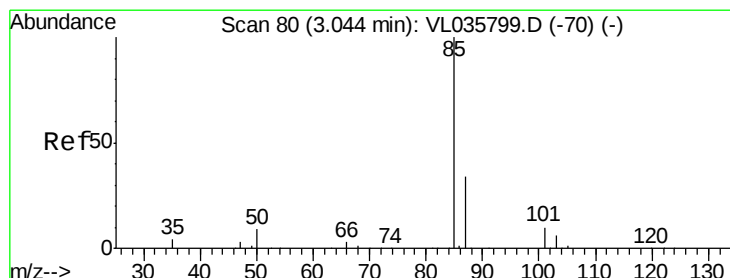
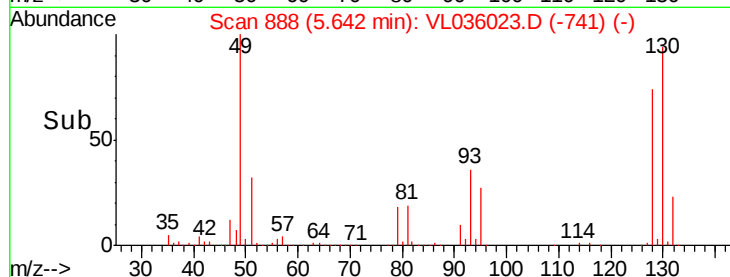
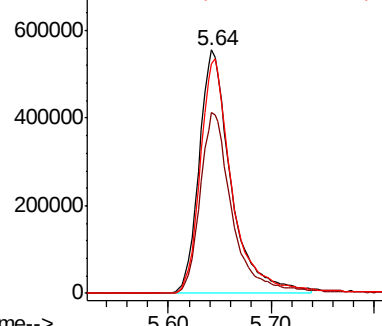
Ion	Ratio	Lower	Upper
49	100		
128	75.7	41.5	124.6
130	97.6	53.7	161.1



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: 0.177 ppbv

RT: 3.02 min Scan# 74

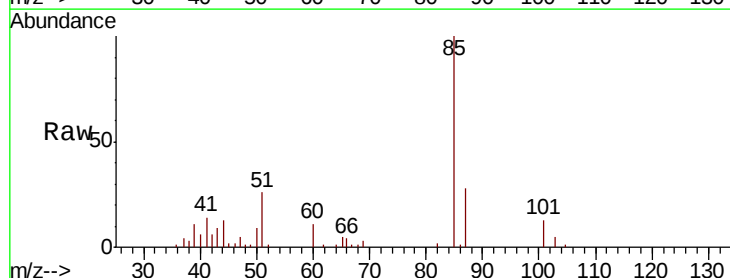
Delta R.T. -0.02 min

Lab File: VL036023.D

Acq: 25 Nov 2020 9:53

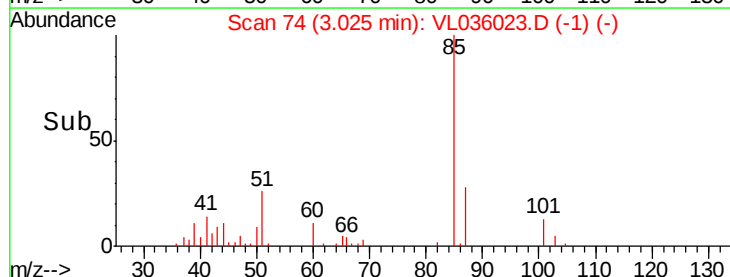
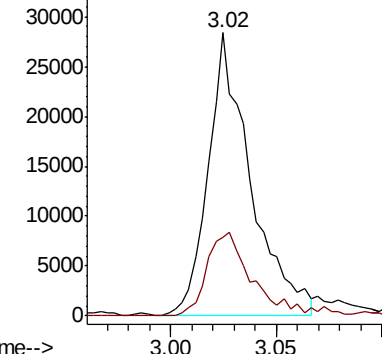
Tgt Ion: 85 Resp: 39782

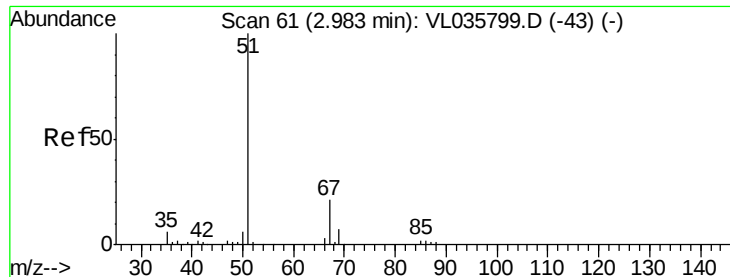
Ion	Ratio	Lower	Upper
85	100		
87	27.8	27.1	40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 44.712 ppbv

RT: 2.87 min Scan# 25

Delta R.T. -0.12 min

Lab File: VL036023.D

Acq: 25 Nov 2020 9:53

Instrument :

MSVOA_L

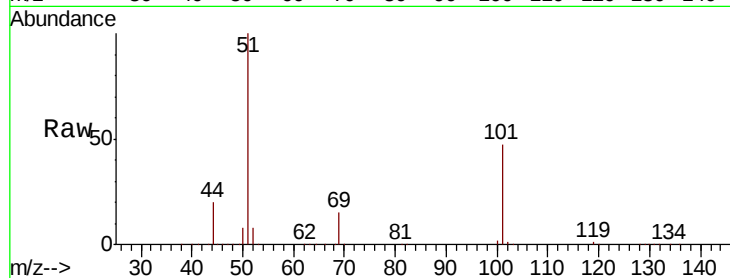
ClientSampleId :

Tot Ion: 51 Resp: 6399800

Ion Ratio Lower Upper

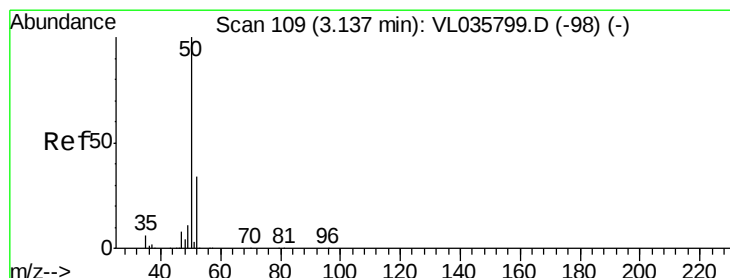
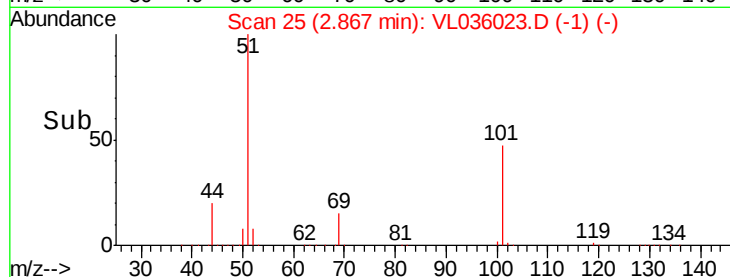
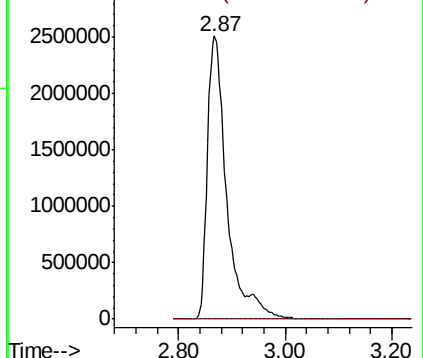
51 100

67 0.1 17.0 25.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.124 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.02 min

Lab File: VL036023.D

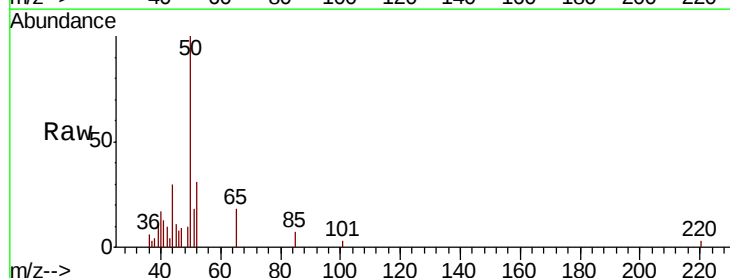
Acq: 25 Nov 2020 9:53

Tgt Ion: 50 Resp: 8656

Ion Ratio Lower Upper

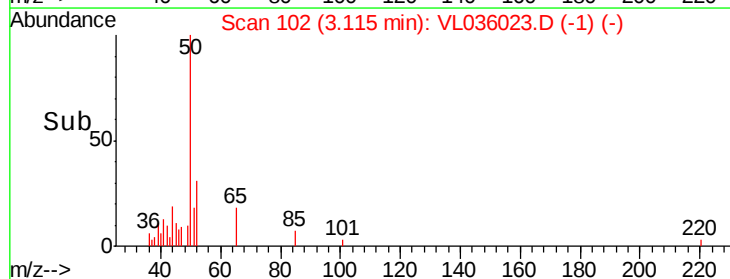
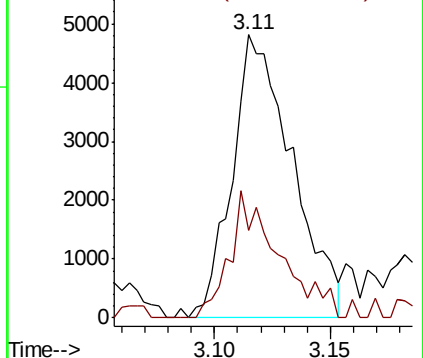
50 100

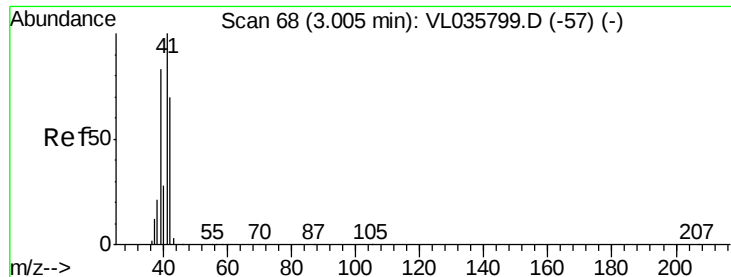
52 30.8 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.726 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL036023.D

Acq: 25 Nov 2020 9:53

Instrument :

MSVOA_L

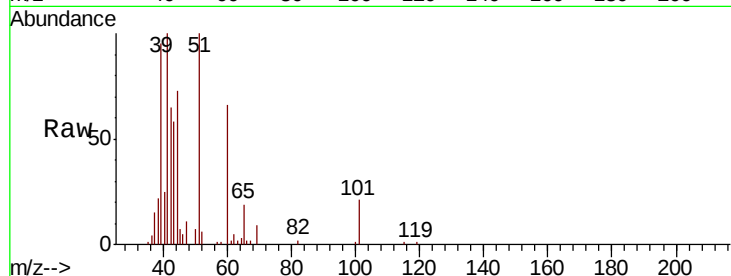
ClientSampleId :

Tot Ion: 41 Resp: 38035

Ion Ratio Lower Upper

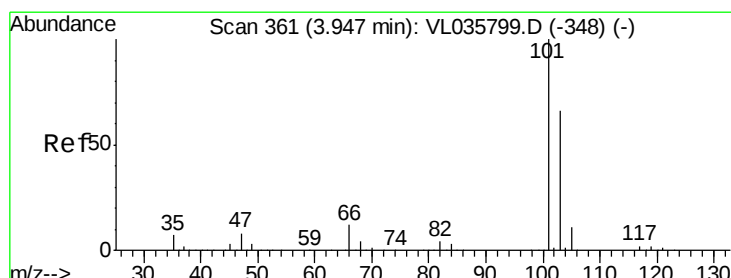
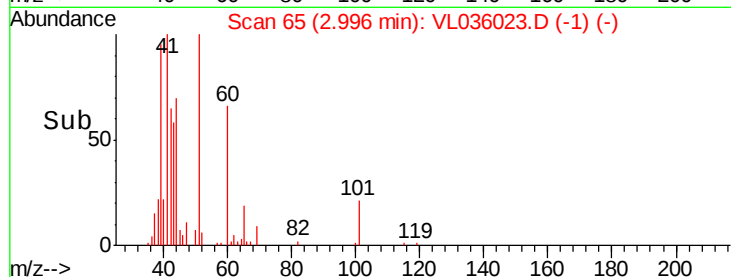
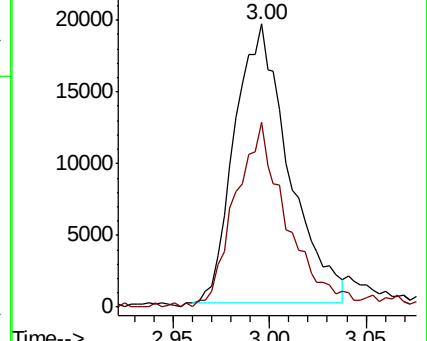
41 100

42 66.7 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#11

Trichlorofluoromethane

Concen: 0.137 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.02 min

Lab File: VL036023.D

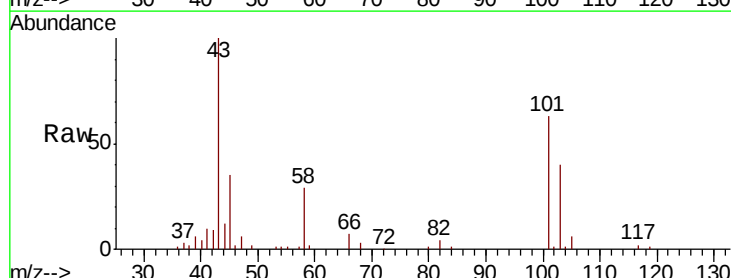
Acq: 25 Nov 2020 9:53

Tgt Ion:101 Resp: 38613

Ion Ratio Lower Upper

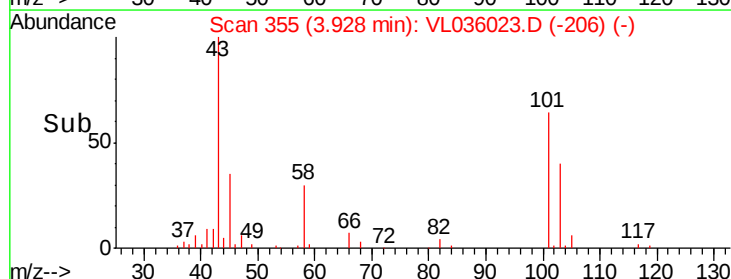
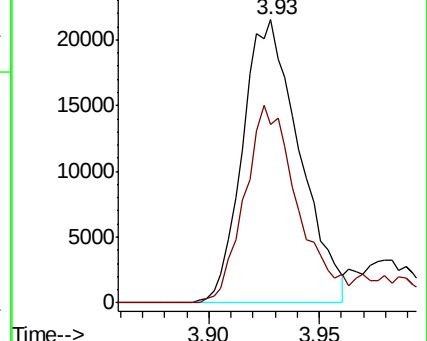
101 100

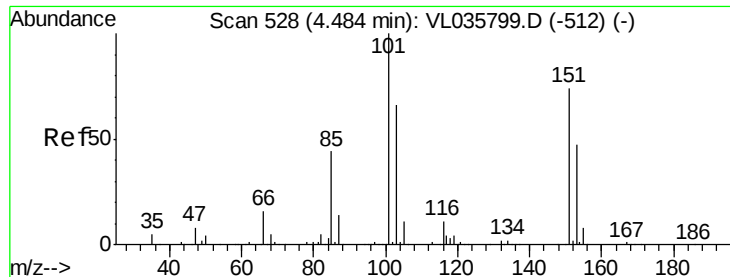
103 63.1 53.0 79.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.037 ppbv

RT: 4.46 min Scan# 521

Delta R.T. -0.02 min

Lab File: VL036023.D

Acq: 25 Nov 2020 9:53

Instrument :

MSVOA_L

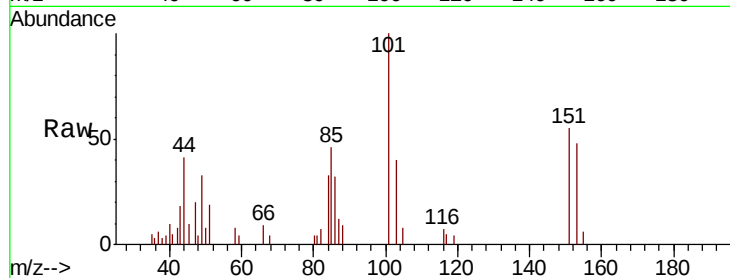
ClientSampleId :

Tot Ion:101 Resp: 7682

Ion Ratio Lower Upper

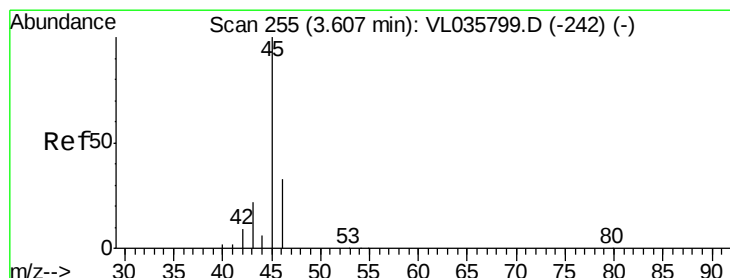
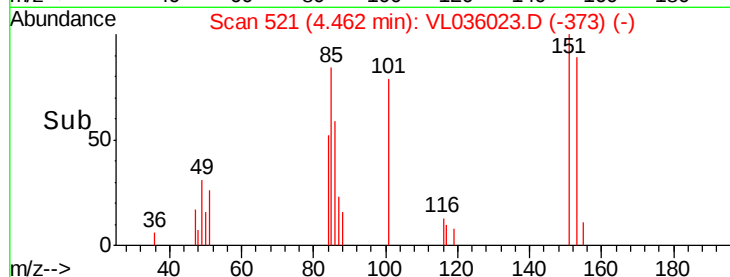
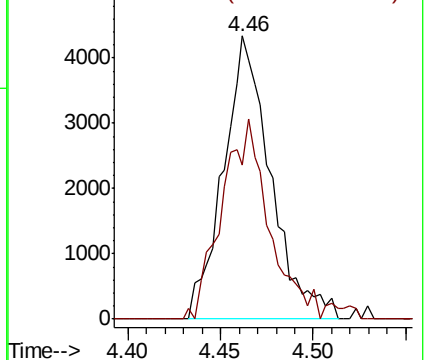
101 100

151 73.3 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 40.512 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.02 min

Lab File: VL036023.D

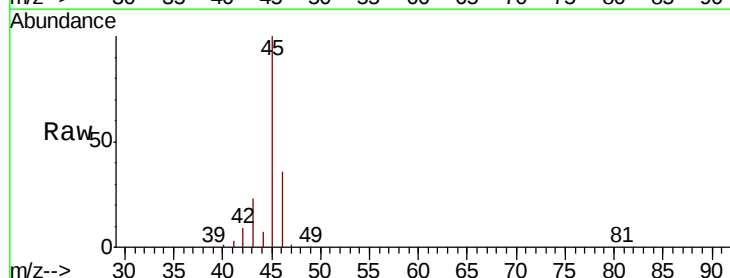
Acq: 25 Nov 2020 9:53

Tgt Ion: 45 Resp: 460436

Ion Ratio Lower Upper

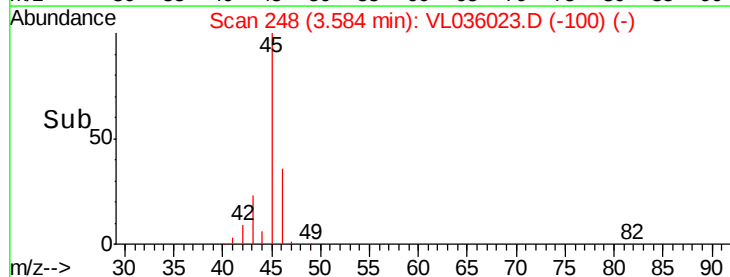
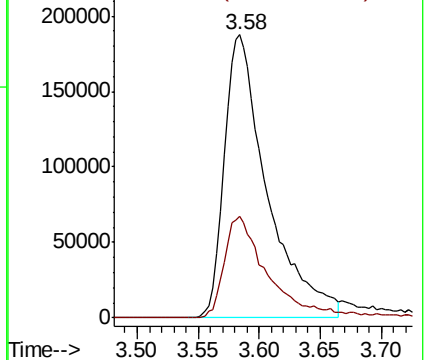
45 100

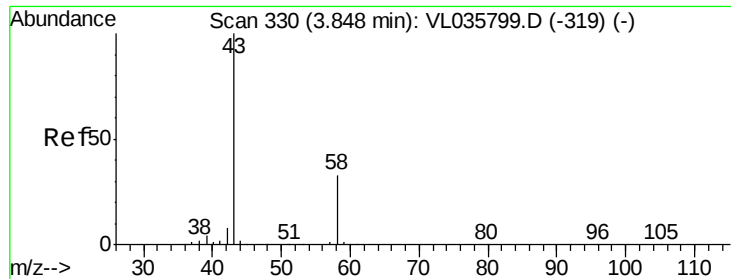
46 38.3 16.1 64.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 24.383 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.03 min

Lab File: VL036023.D

Acq: 25 Nov 2020 9:53

Instrument :

MSVOA_L

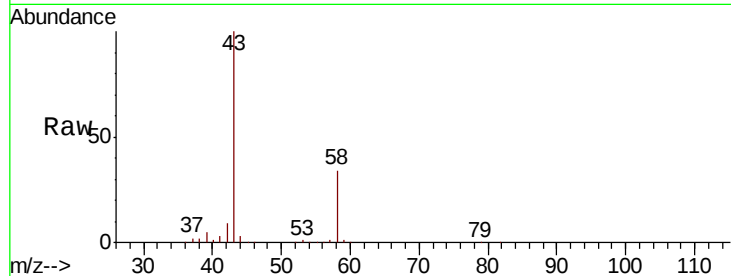
ClientSampleId :

Tot Ion: 43 Resp: 3115776

Ion Ratio Lower Upper

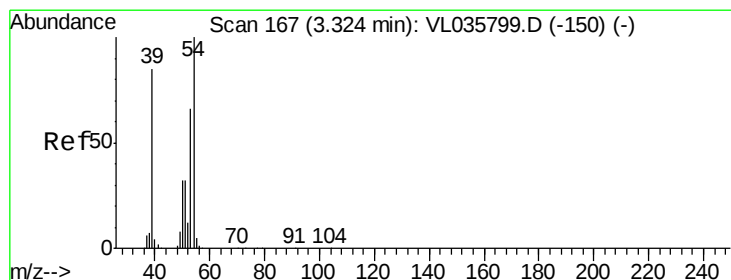
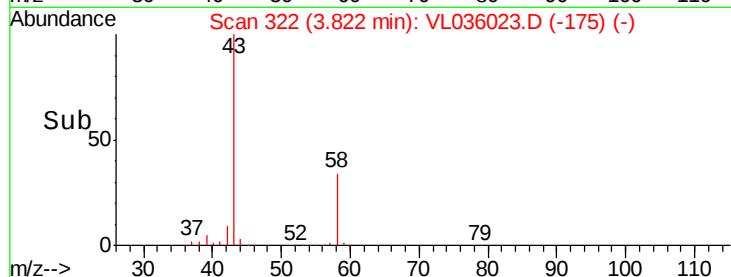
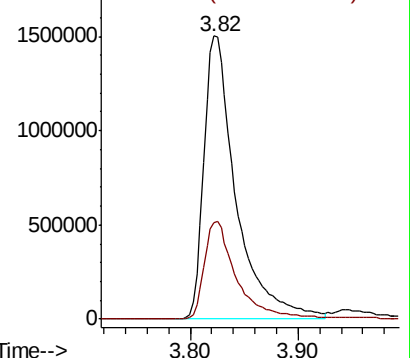
43 100

58 35.9 27.5 41.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.104 ppbv

RT: 3.30 min Scan# 159

Delta R.T. -0.03 min

Lab File: VL036023.D

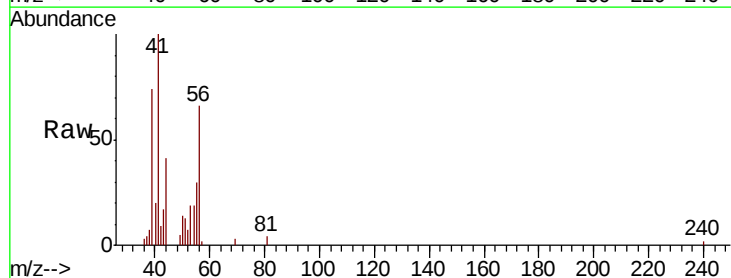
Acq: 25 Nov 2020 9:53

Tgt Ion: 39 Resp: 5721

Ion Ratio Lower Upper

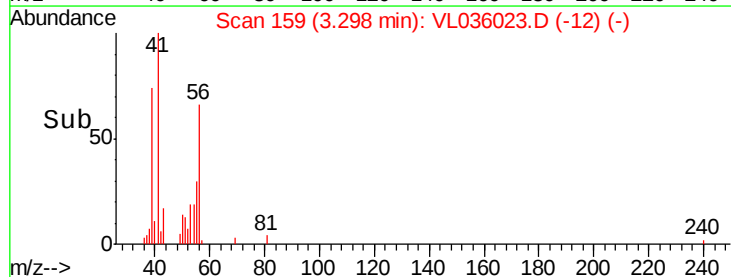
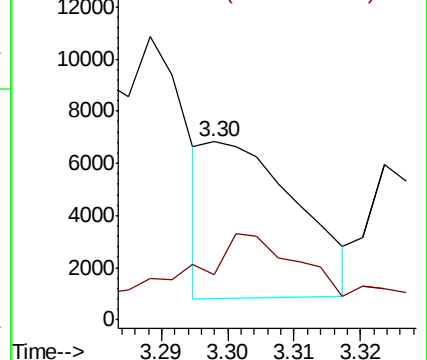
39 100

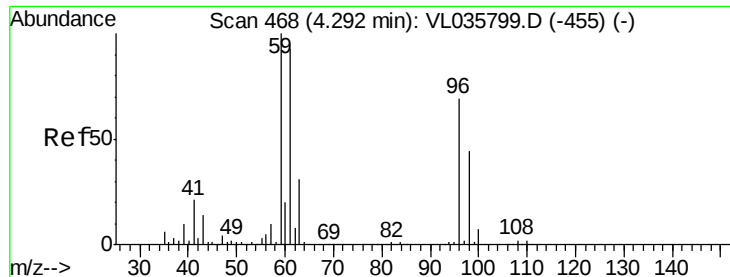
54 113.4 87.1 130.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.126 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.01 min

Lab File: VL036023.D

Acq: 25 Nov 2020 9:53

Instrument :

MSVOA_L

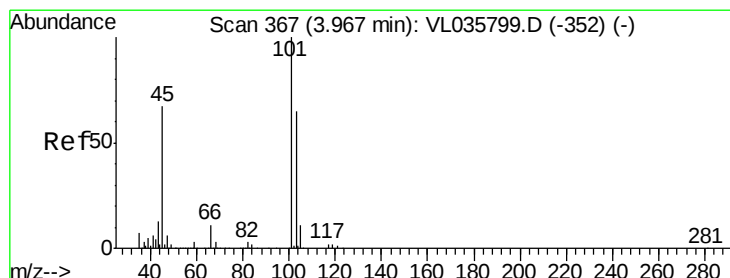
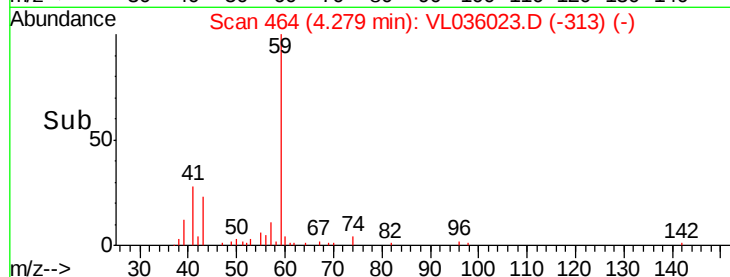
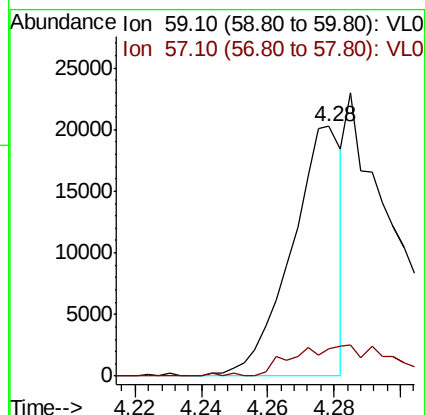
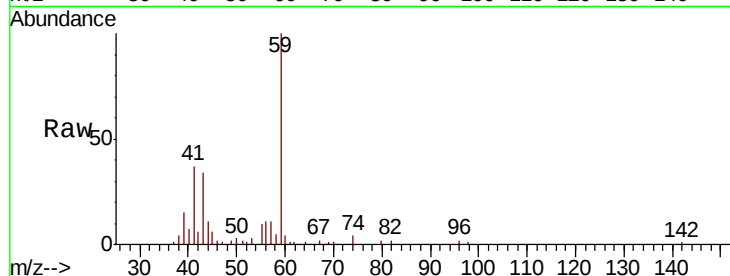
ClientSampleId :

Tot Ion: 59 Resp: 21352

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#19

Isopropyl Alcohol

Concen: 2.919 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.02 min

Lab File: VL036023.D

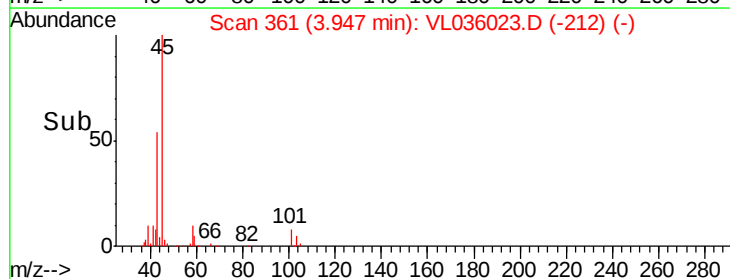
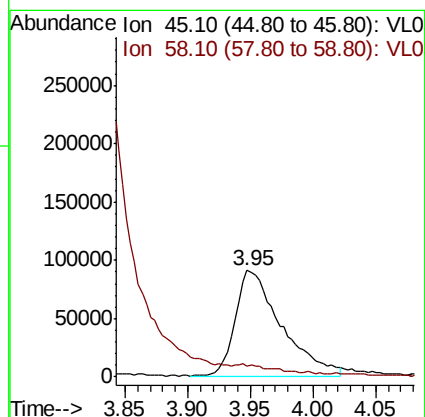
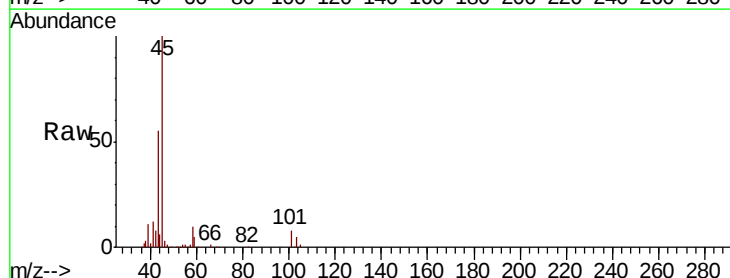
Acq: 25 Nov 2020 9:53

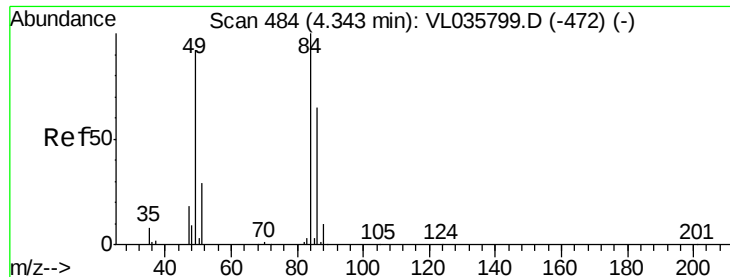
Tgt Ion: 45 Resp: 229182

Ion Ratio Lower Upper

45 100

58 0.0 2.6 3.8#

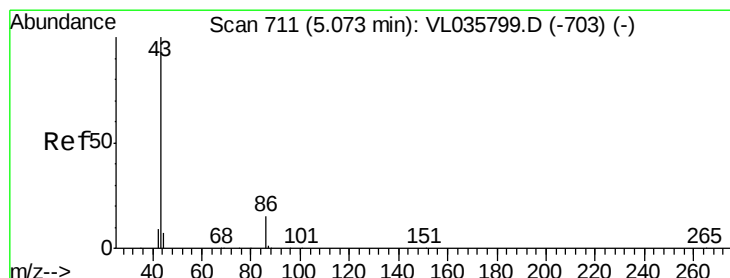
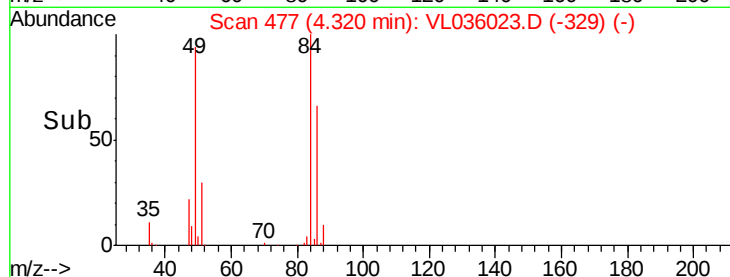
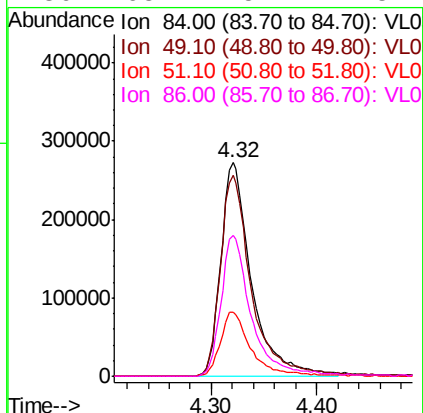
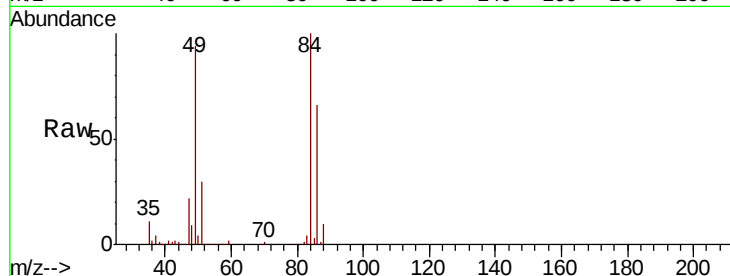




#20
Methvlene Chloride
Concen: 6.095 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.02 min
Lab File: VL036023.D
Acq: 25 Nov 2020 9:53

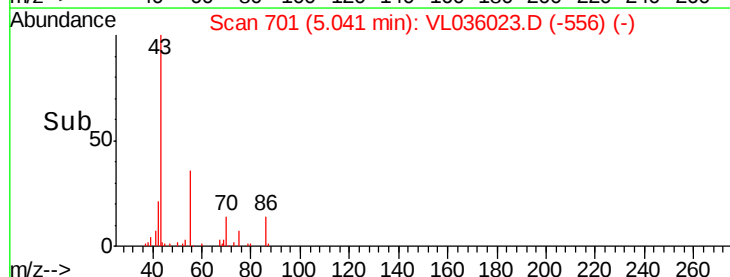
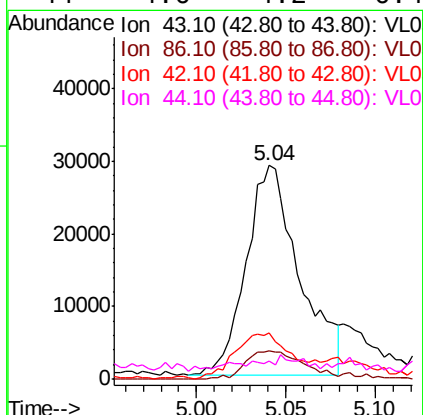
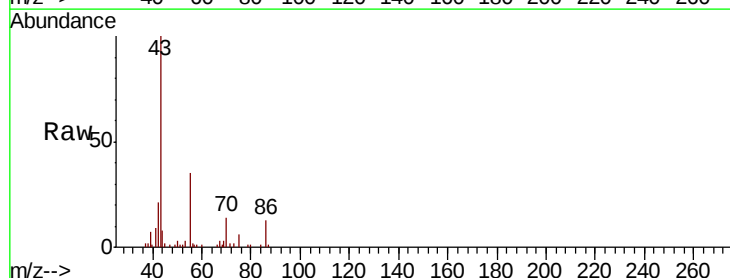
Instrument :
MSVOA_L
ClientSampleId :

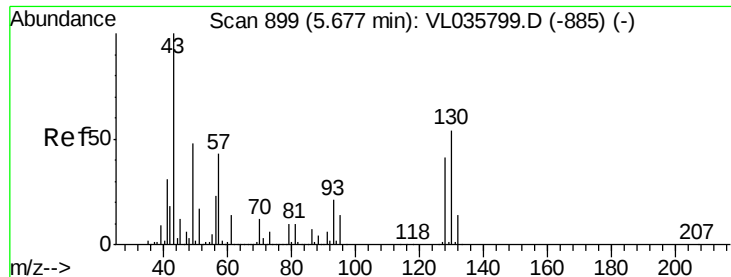
Tot Ion:	84	Resp:	548302
Ion	Ratio	Lower	Upper
84	100		
49	93.8	73.8	110.8
51	29.8	23.0	34.4
86	65.7	52.1	78.1



#23
Vinyl Acetate
Concen: 0.338 ppbv
RT: 5.04 min Scan# 701
Delta R.T. -0.03 min
Lab File: VL036023.D
Acq: 25 Nov 2020 9:53

Tgt Ion:	43	Resp:	60476
Ion	Ratio	Lower	Upper
43	100		
86	14.5	9.8	14.6
42	21.2	8.1	12.1#
44	4.6	4.2	6.4

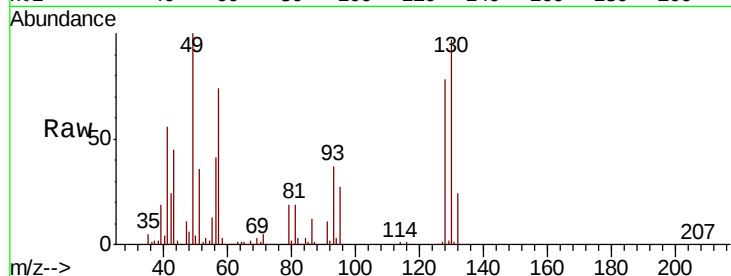




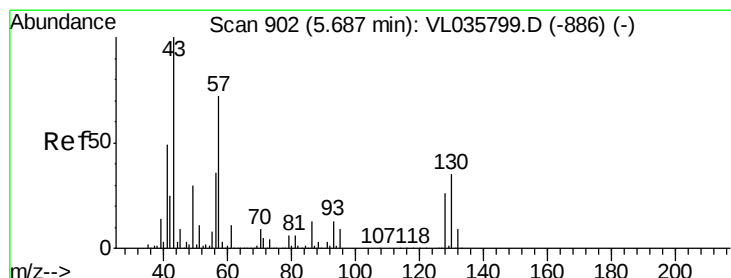
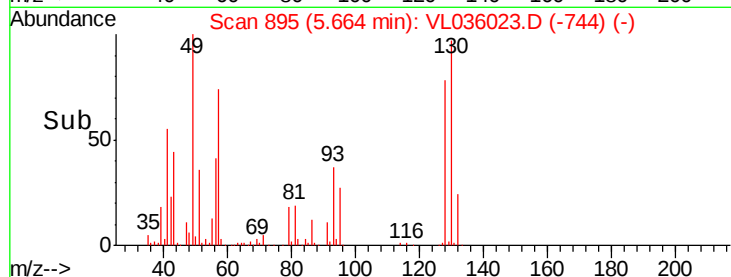
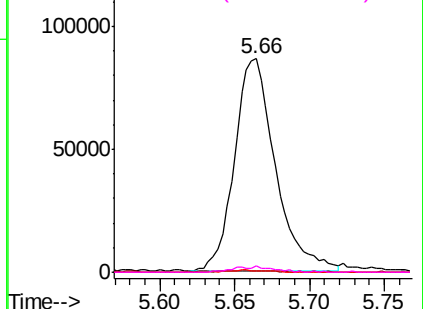
#25
Ethyl Acetate
Concen: 0.655 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL036023.D
Acq: 25 Nov 2020 9:53

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 164871
Ion Ratio Lower Upper
43 100
45 1.6 8.5 12.7#
61 0.9 10.7 16.1#
70 2.9 8.6 12.8#

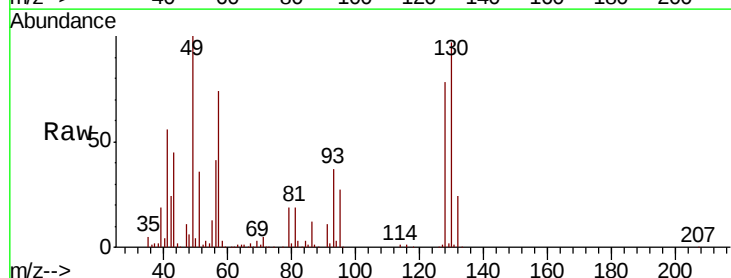


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

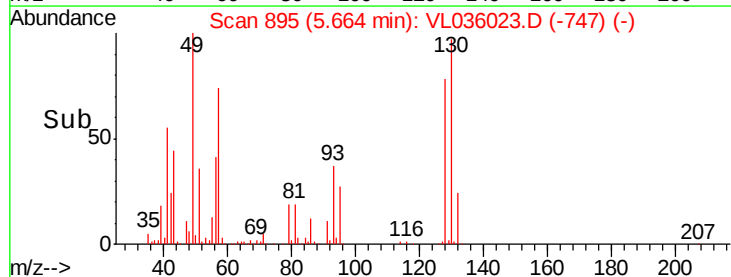
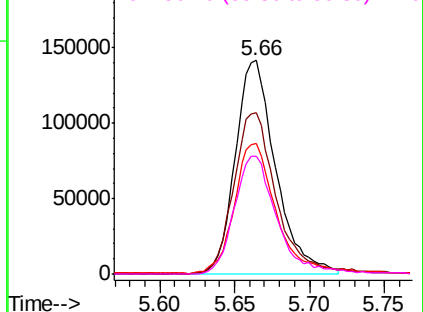


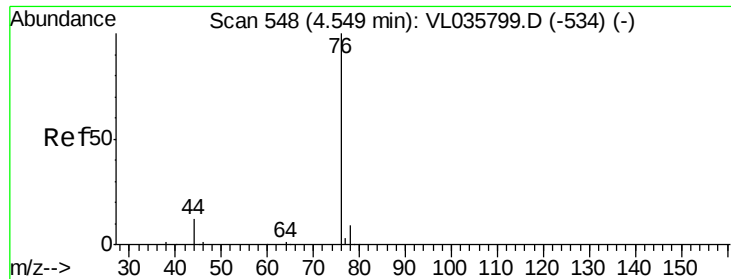
#26
Hexane
Concen: 1.923 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL036023.D
Acq: 25 Nov 2020 9:53

Tgt Ion: 57 Resp: 266942
Ion Ratio Lower Upper
57 100
41 80.4 58.9 88.3
43 63.1 150.2 225.2#
56 58.1 42.4 63.6



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: 4.52 min Scan# 540

Delta R.T. -0.03 min

Lab File: VL036023.D

Acq: 25 Nov 2020 9:53

Instrument :

MSVOA_L

ClientSampleId :

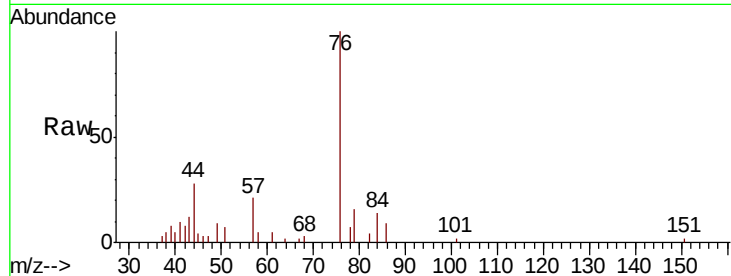
Tot Ion: 76 Resp: 12113

Ion Ratio Lower Upper

76 100

44 21.9 9.9 14.9#

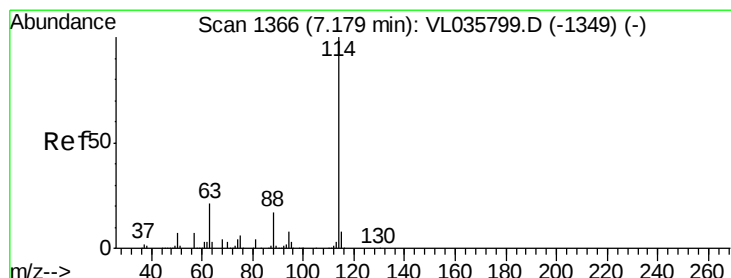
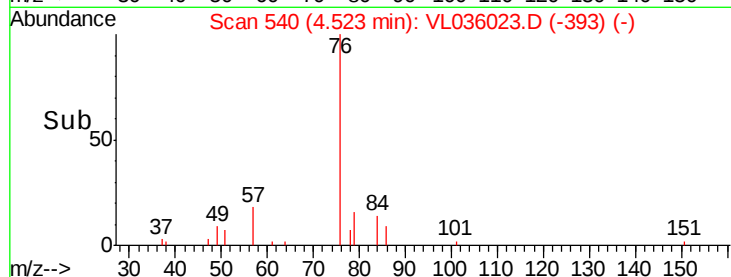
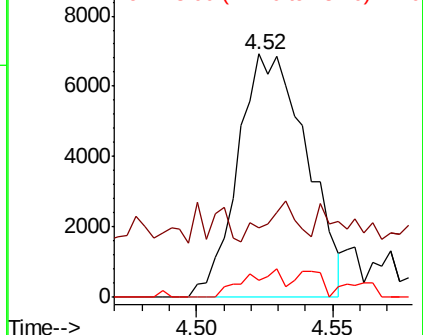
78 13.4 8.1 12.1#



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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.03 min

Lab File: VL036023.D

Acq: 25 Nov 2020 9:53

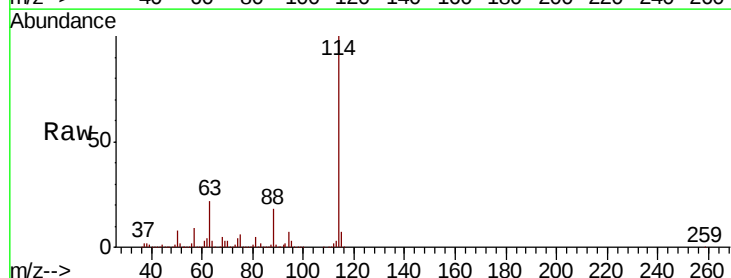
Tgt Ion: 114 Resp: 4172732

Ion Ratio Lower Upper

114 100

63 21.3 16.1 24.1

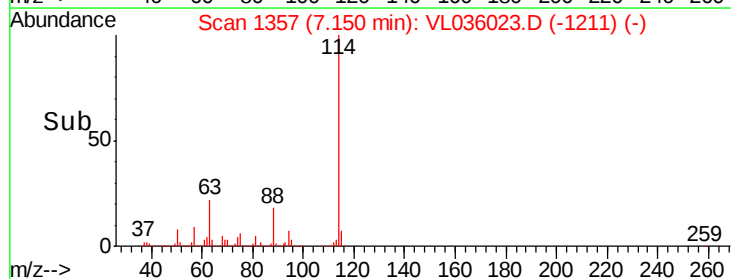
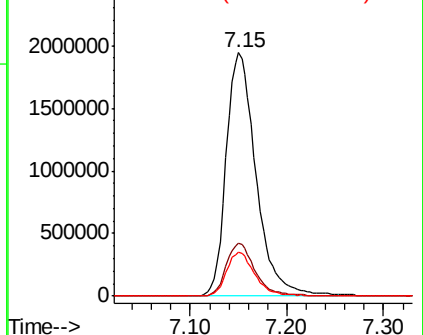
88 17.5 13.7 20.5

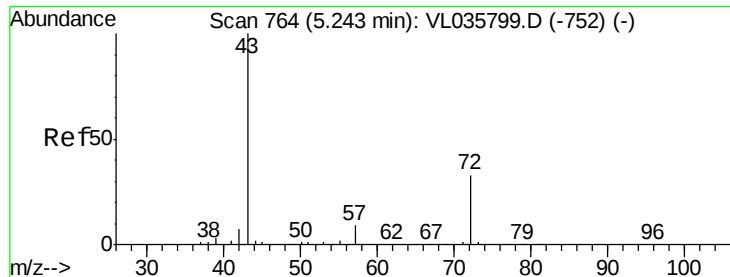


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

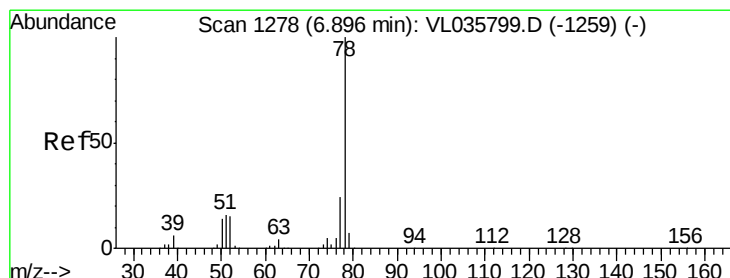
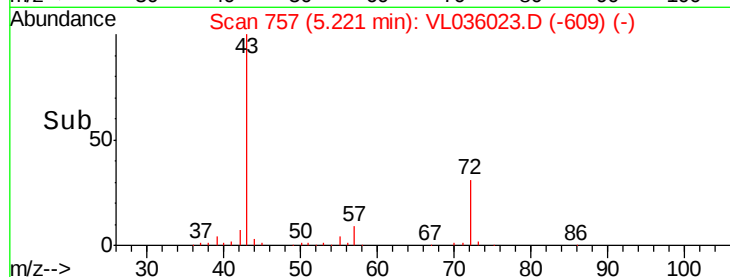
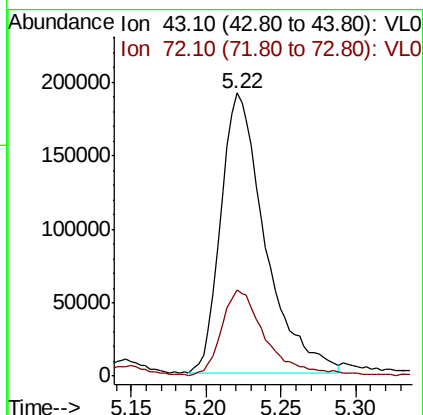
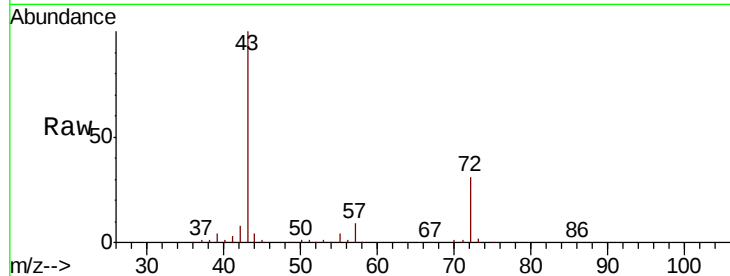




#34
 2-Butanone
 Concen: 2.911 ppbv
 RT: 5.22 min Scan# 757
 Delta R.T. -0.02 min
 Lab File: VL036023.D
 Acq: 25 Nov 2020 9:53

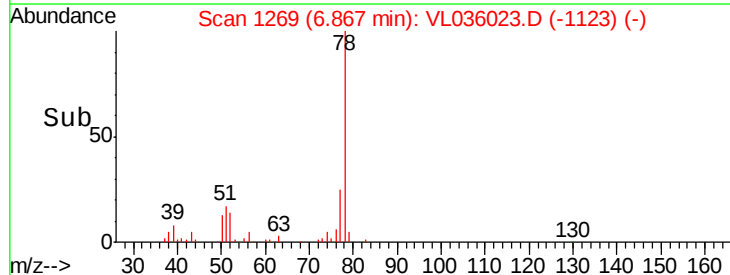
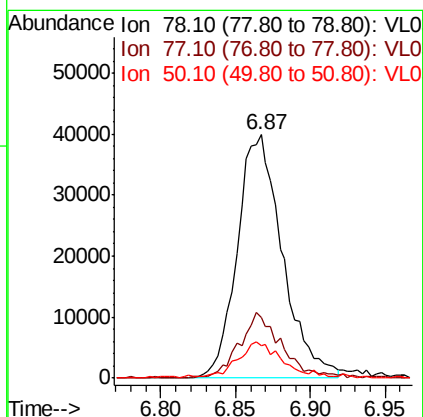
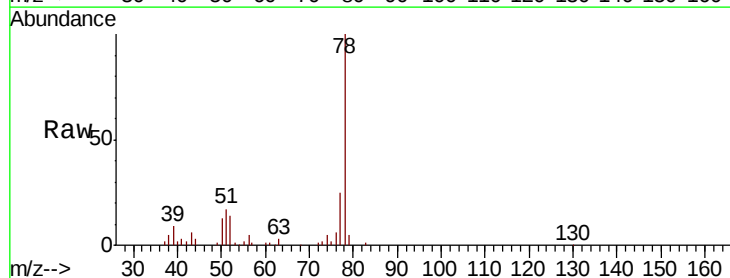
Instrument :
 MSVOA_L
 ClientSampleId :

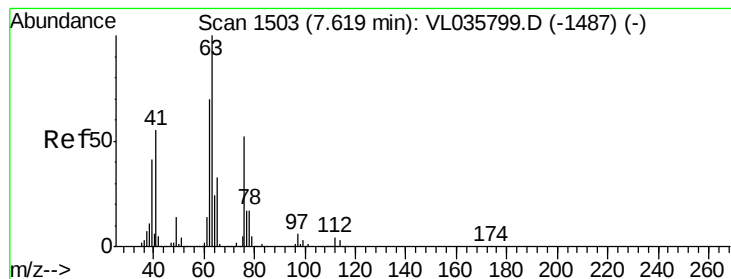
Tot Ion: 43 Resp: 394256
 Ion Ratio Lower Upper
 43 100
 72 31.8 26.5 39.7



#36
 Benzene
 Concen: 0.270 ppbv
 RT: 6.87 min Scan# 1269
 Delta R.T. -0.03 min
 Lab File: VL036023.D
 Acq: 25 Nov 2020 9:53

Tgt Ion: 78 Resp: 83871
 Ion Ratio Lower Upper
 78 100
 77 24.8 19.3 28.9
 50 12.5 11.4 17.2





#39

1,2-Dichloropropane

Concen: 8.424 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.47 min

Lab File: VL036023.D

Acq: 25 Nov 2020 9:53

Instrument :

MSVOA_L

ClientSampled :

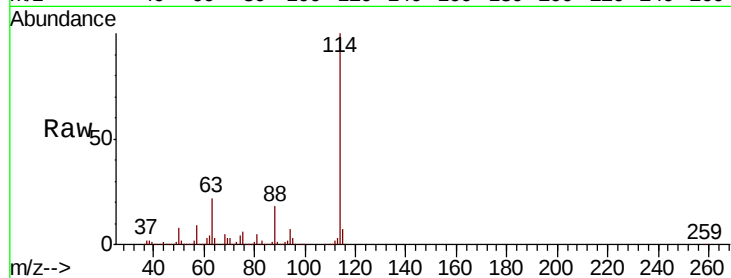
Tot Ion: 63 Resp: 879824

Ion Ratio Lower Upper

63 100

41 0.0 43.8 65.6#

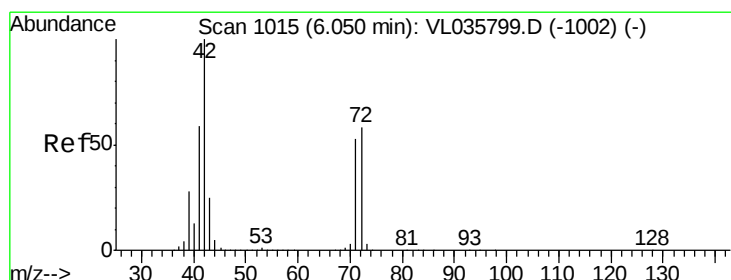
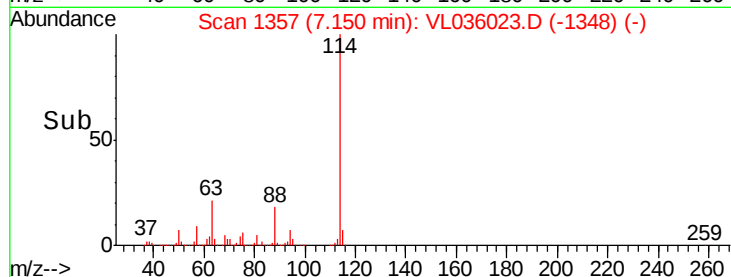
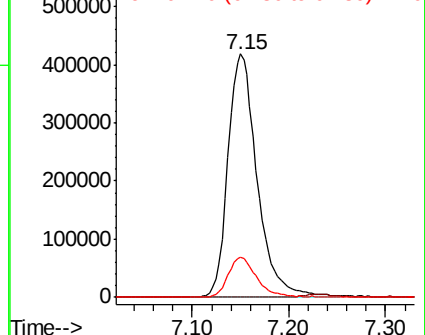
62 16.5 56.2 84.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 1.214 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.39 min

Lab File: VL036023.D

Acq: 25 Nov 2020 9:53

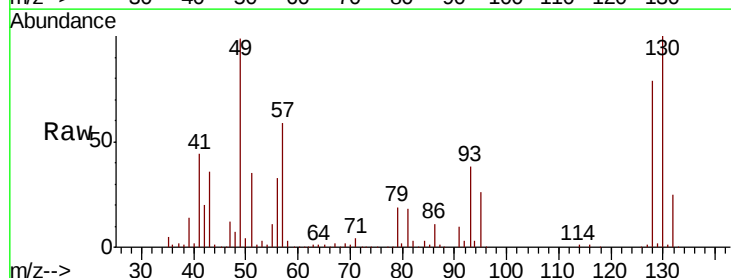
Tgt Ion: 42 Resp: 93372

Ion Ratio Lower Upper

42 100

72 1.7 45.4 68.0#

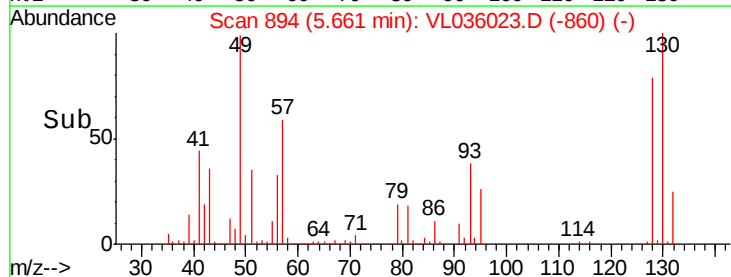
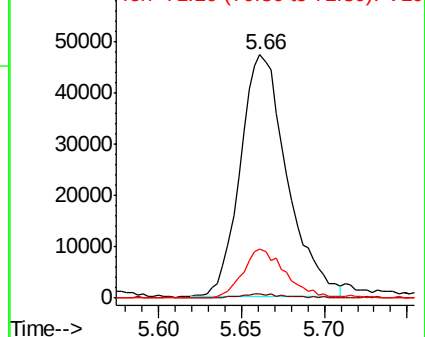
71 18.9 43.4 65.2#

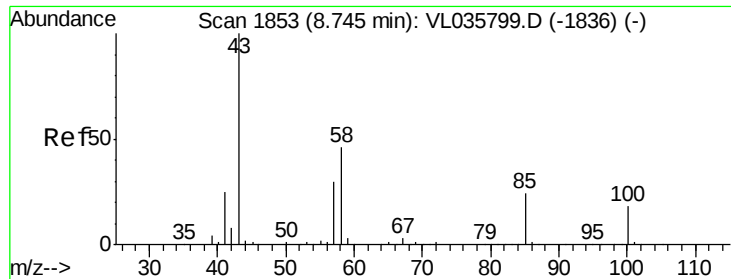


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0

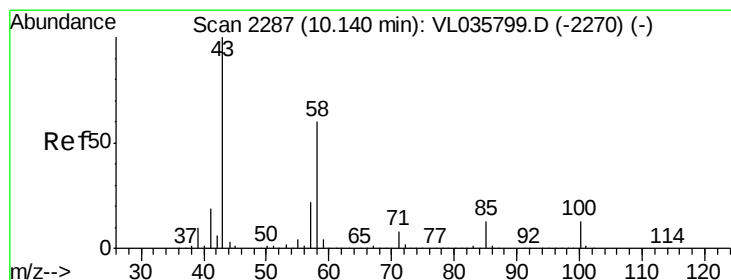
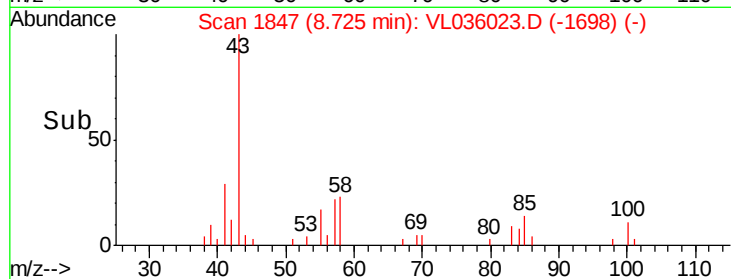
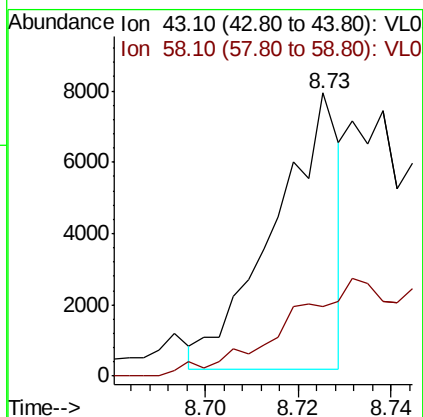
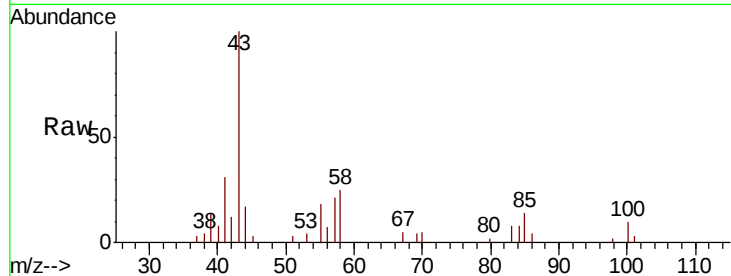




#50
4-Methyl-2-Pentanone
Concen: 0.037 ppbv
RT: 8.73 min Scan# 1847
Delta R.T. -0.02 min
Lab File: VL036023.D
Acq: 25 Nov 2020 9:53

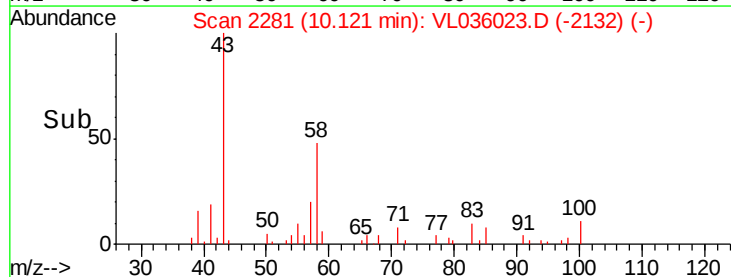
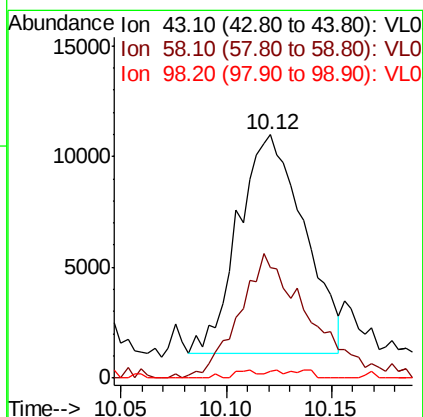
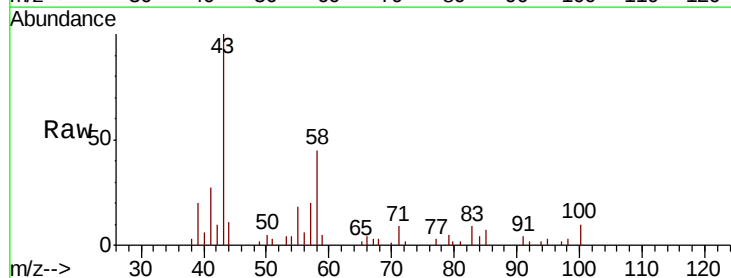
Instrument :
MSVOA_L
ClientSampleId :

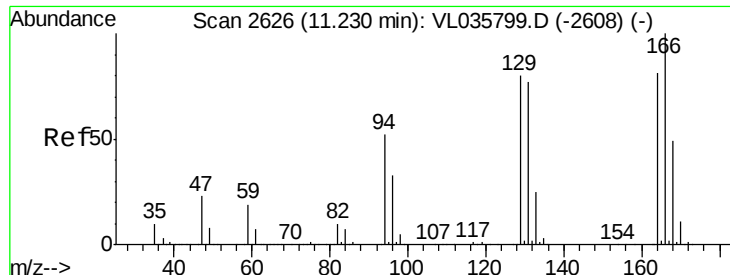
Tot Ion: 43 Resp: 7562
Ion Ratio Lower Upper
43 100
58 0.0 36.0 54.0#



#51
2-Hexanone
Concen: 0.129 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. -0.02 min
Lab File: VL036023.D
Acq: 25 Nov 2020 9:53

Tgt Ion: 43 Resp: 21462
Ion Ratio Lower Upper
43 100
58 61.1 48.3 72.5
98 3.3 0.6 0.8#

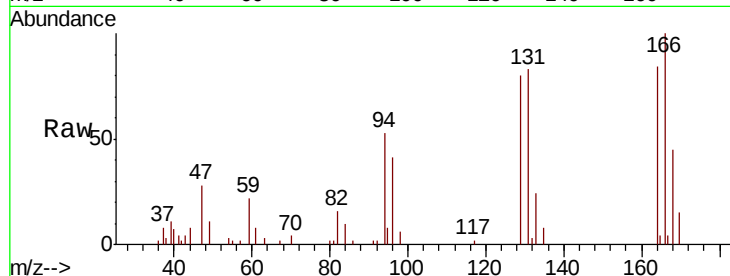




#52
Tetrachloroethene
Concen: 0.127 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.03 min
Lab File: VL036023.D
Acq: 25 Nov 2020 9:53

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
166	119.1	99.3	148.9
129	95.4	79.3	118.9
131	99.4	76.5	114.7



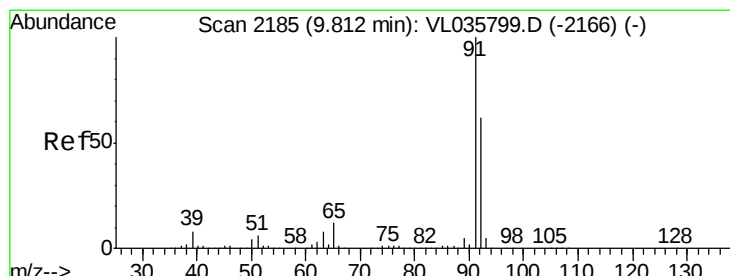
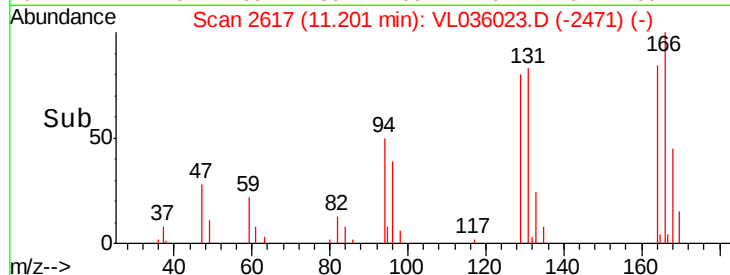
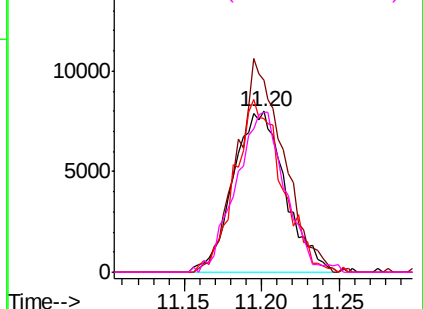
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

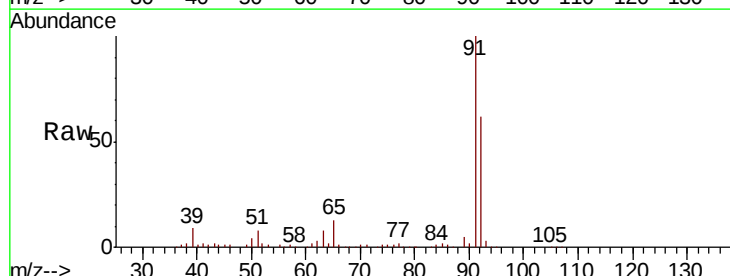
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53
Toluene
Concen: 0.772 ppbv
RT: 9.78 min Scan# 2175
Delta R.T. -0.03 min
Lab File: VL036023.D
Acq: 25 Nov 2020 9:53

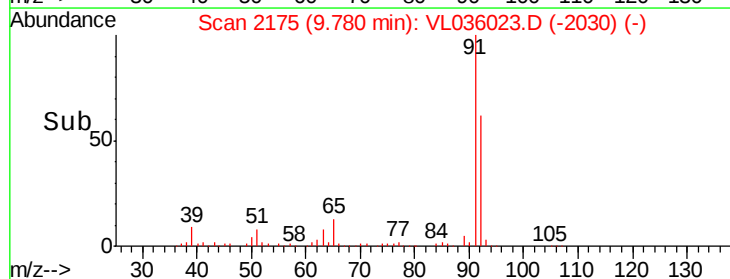
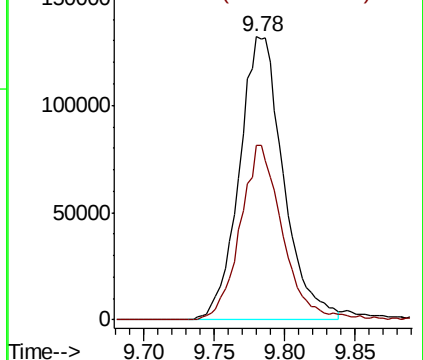
Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.5	49.8	74.6

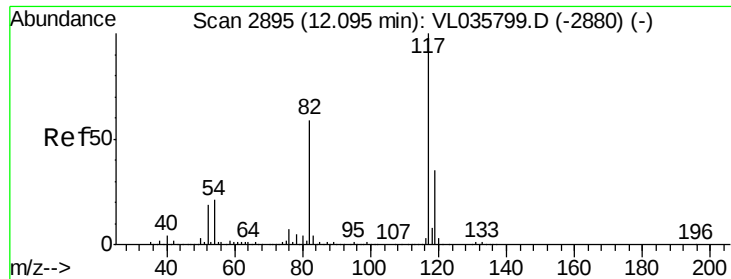


Abundance

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: 12.06 min Scan# 2885

Delta R.T. -0.03 min

Lab File: VL036023.D

Acq: 25 Nov 2020 9:53

Instrument :

MSVOA_L

ClientSampled :

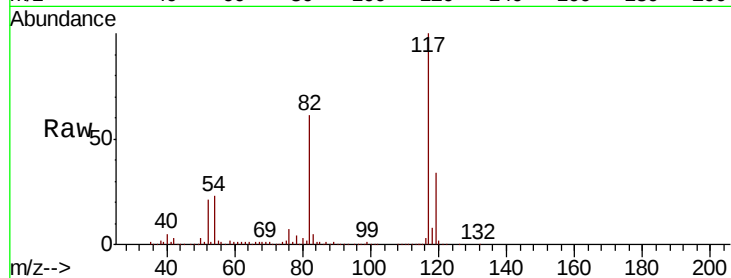
Tot Ion:117 Resp: 4100627

Ion Ratio Lower Upper

117 100

82 62.3 50.6 76.0

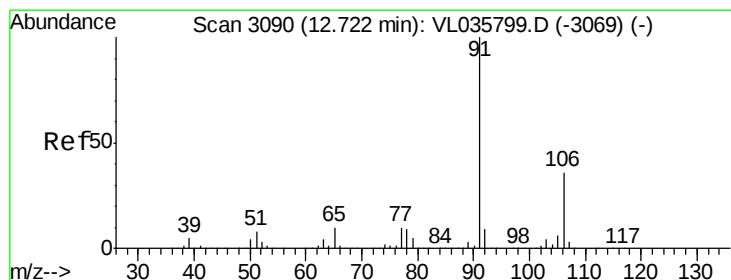
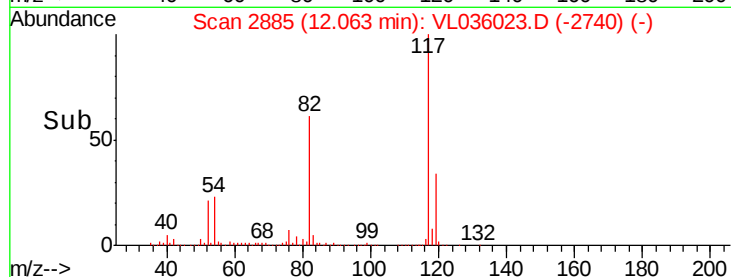
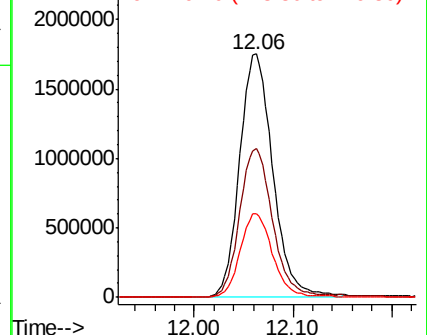
119 34.2 52.6 78.8#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 0.264 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. -0.04 min

Lab File: VL036023.D

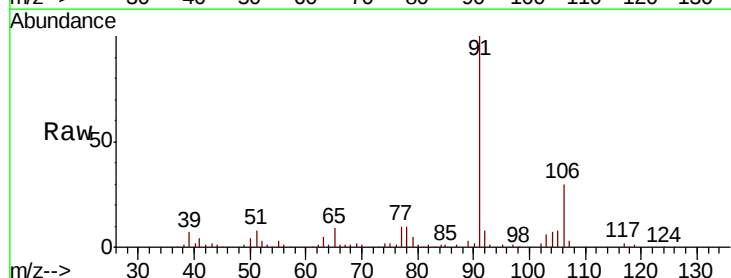
Acq: 25 Nov 2020 9:53

Tgt Ion: 91 Resp: 131794

Ion Ratio Lower Upper

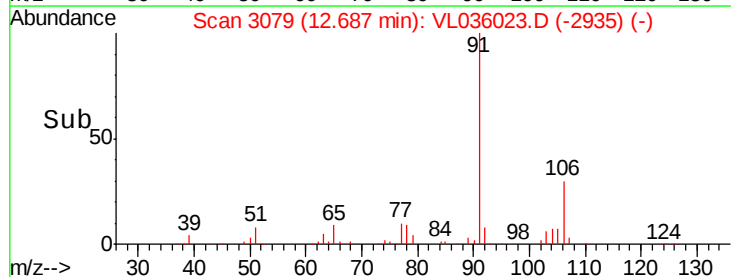
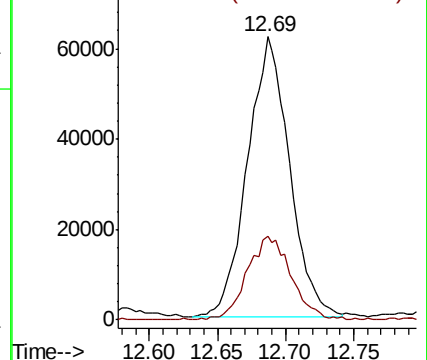
91 100

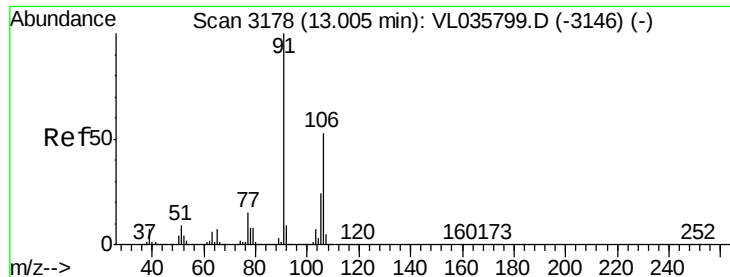
106 29.7 28.6 43.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

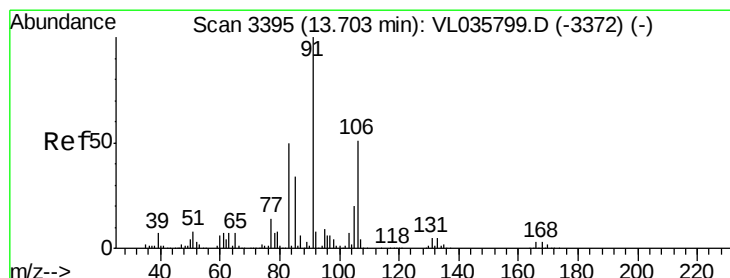
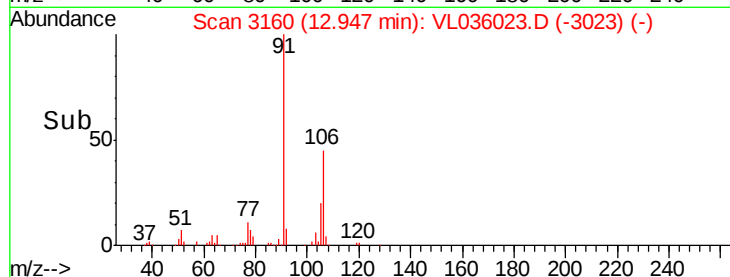
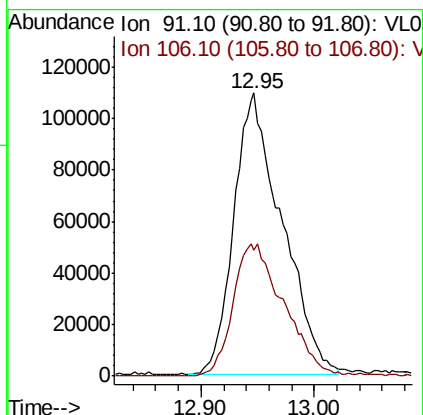
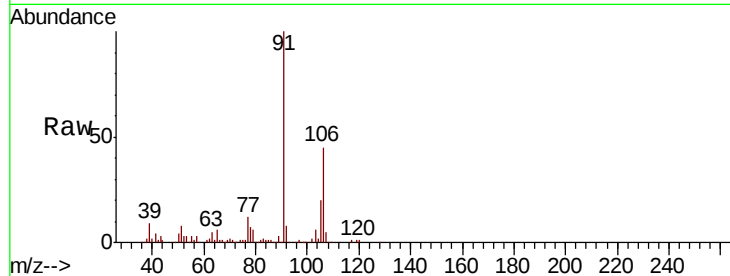




#59
m/p-Xylene
Concen: 0.766 ppbv
RT: 12.95 min Scan# 3160
Delta R.T. -0.06 min
Lab File: VL036023.D
Acq: 25 Nov 2020 9:53

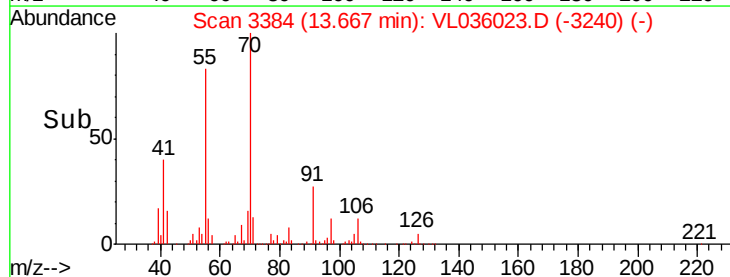
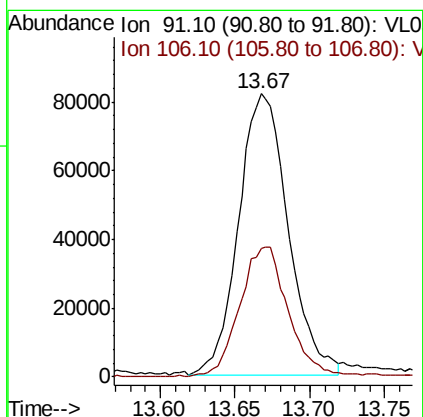
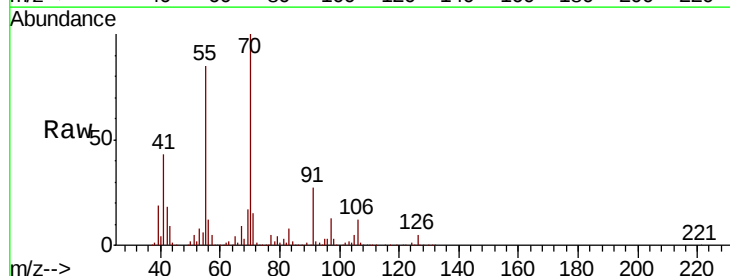
Instrument :
MSVOA_L
ClientSampleId :

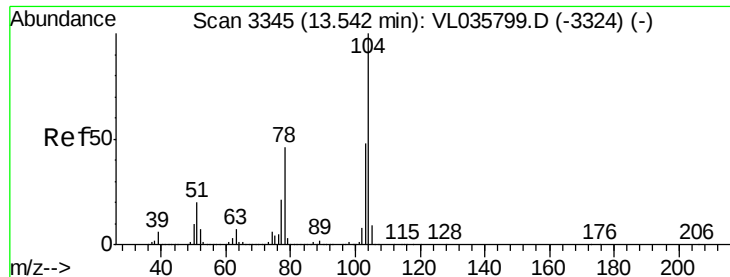
Tot Ion: 91 Resp: 323609
Ion Ratio Lower Upper
91 100
106 50.0 39.5 59.3



#60
o-Xylene
Concen: 0.458 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.04 min
Lab File: VL036023.D
Acq: 25 Nov 2020 9:53

Tgt Ion: 91 Resp: 188406
Ion Ratio Lower Upper
91 100
106 45.8 24.8 74.4

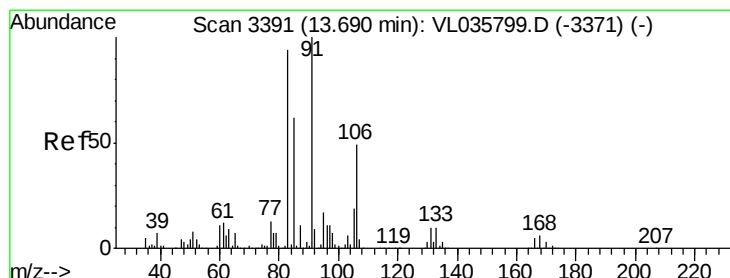
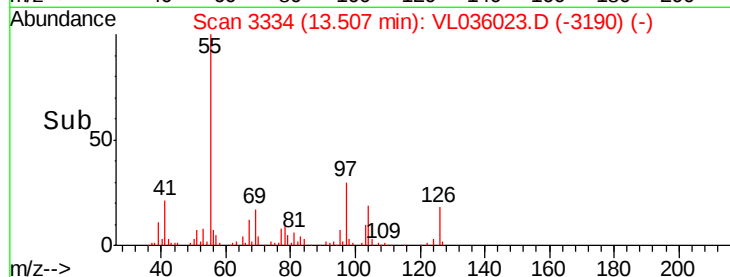
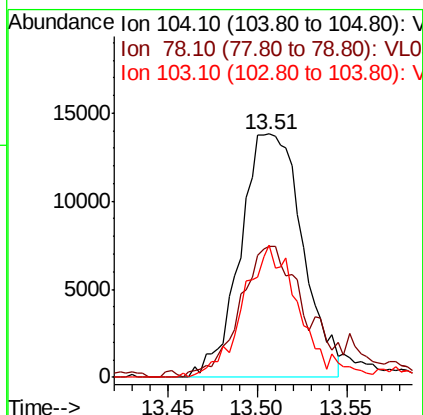
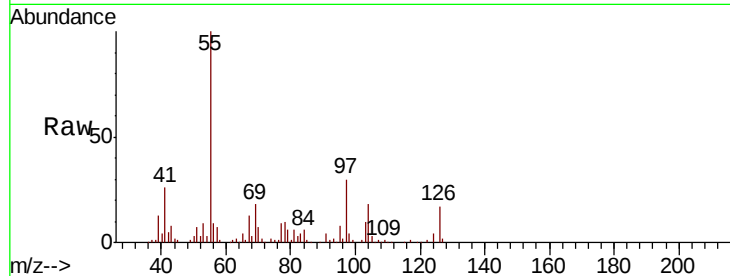




#61
Stvrene
Concen: 0.111 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.04 min
Lab File: VL036023.D
Acq: 25 Nov 2020 9:53

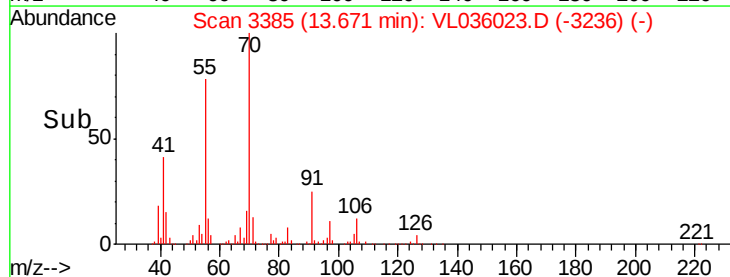
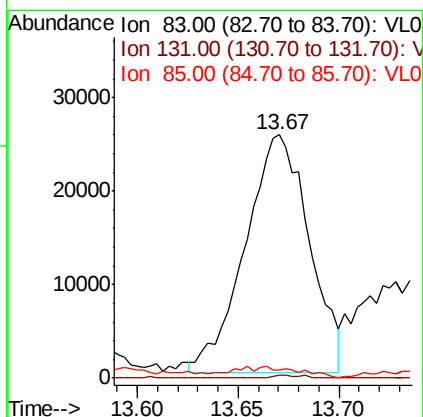
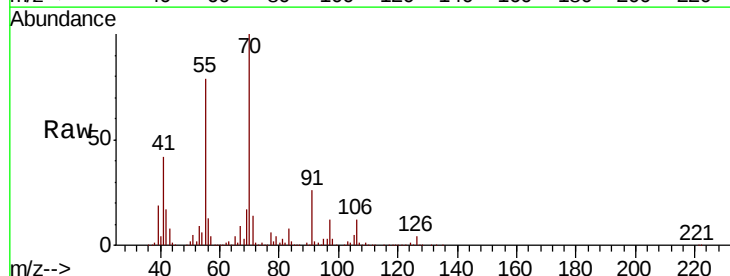
Instrument :
MSVOA_L
ClientSampleId :

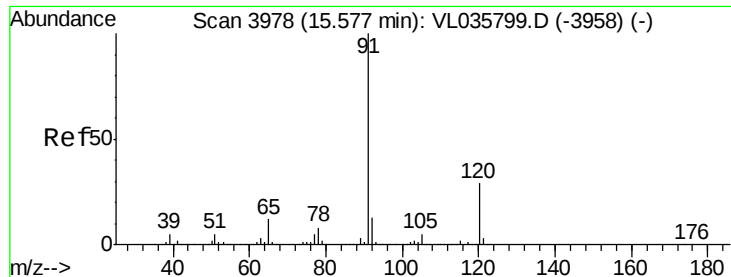
Tot Ion	Ratio	Lower	Upper
104	100		
78	65.8	37.1	55.7#
103	51.7	37.9	56.9



#63
1,1,2,2-Tetrachloroethane
Concen: 0.177 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.02 min
Lab File: VL036023.D
Acq: 25 Nov 2020 9:53

Tgt Ion	Ratio	Lower	Upper
83	100		
131	0.5	5.3	15.8#
85	0.0	33.5	100.4#





#64

n-propylbenzene

Concen: 0.210 ppbv

RT: 15.54 min Scan# 3966

Delta R.T. -0.04 min

Lab File: VL036023.D

Acq: 25 Nov 2020 9:53

Instrument :

MSVOA_L

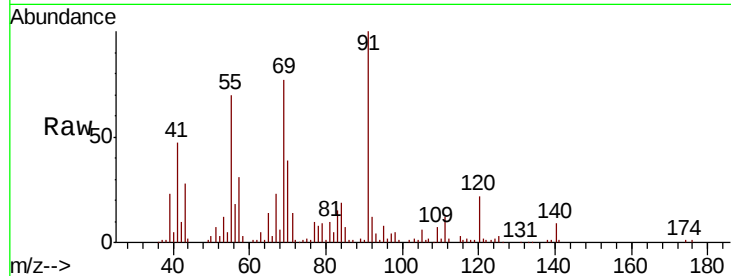
ClientSampled :

Tot Ion:120 Resp: 39307

Ion Ratio Lower Upper

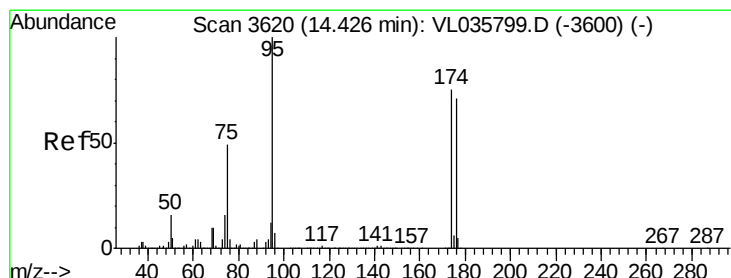
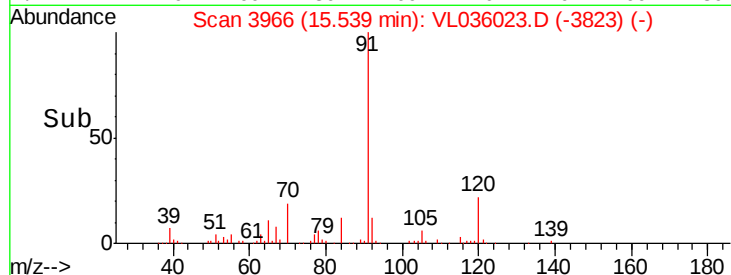
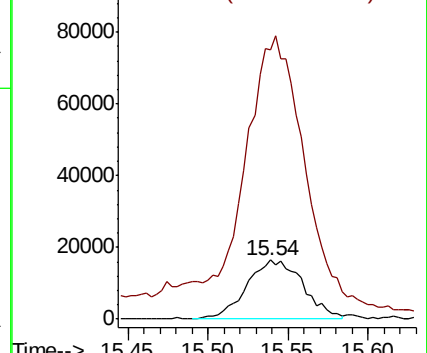
120 100

91 554.5 311.1 466.7#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 11.078 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.04 min

Lab File: VL036023.D

Acq: 25 Nov 2020 9:53

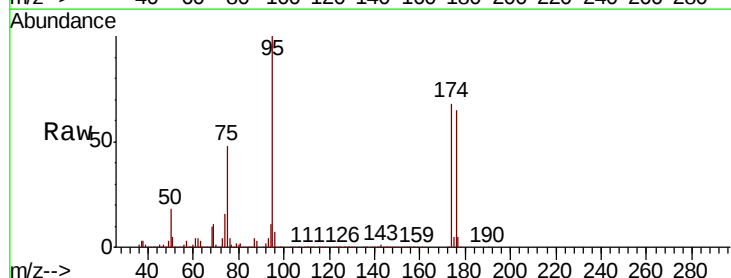
Tgt Ion: 95 Resp: 3227392

Ion Ratio Lower Upper

95 100

174 69.8 59.8 89.6

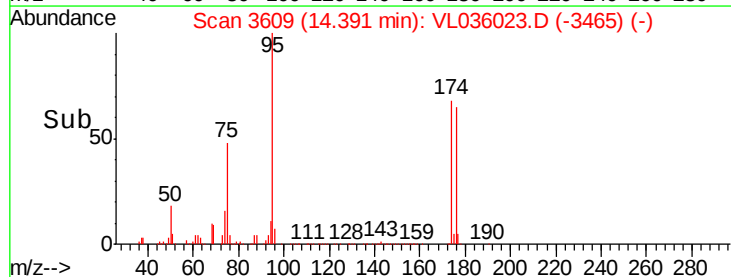
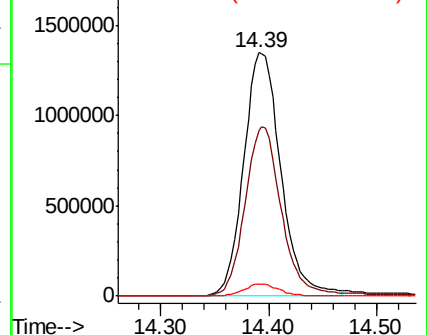
175 4.9 4.3 6.5

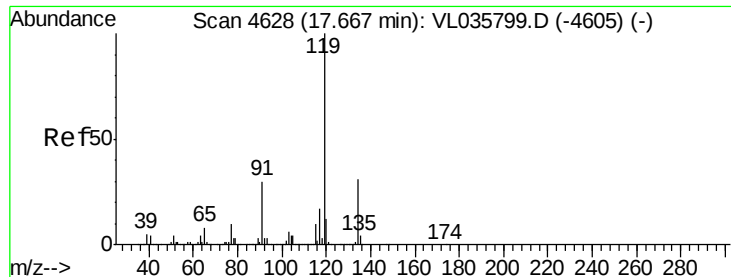


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 0.048 ppbv

RT: 17.64 min Scan# 4619

Delta R.T. -0.03 min

Lab File: VL036023.D

Acq: 25 Nov 2020 9:53

Instrument :

MSVOA_L

ClientSampleId :

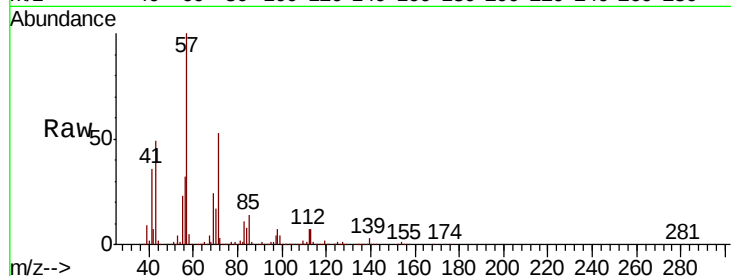
Tot Ion:119 Resp: 31698

Ion Ratio Lower Upper

119 100

134 0.0 23.0 34.6#

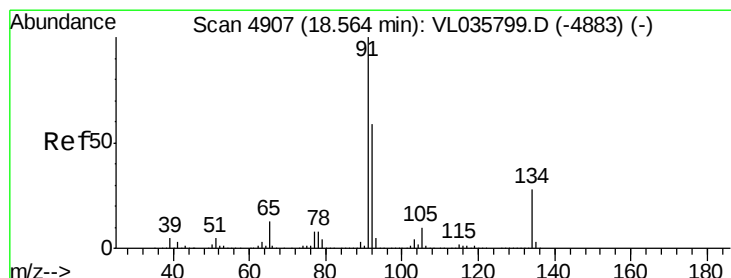
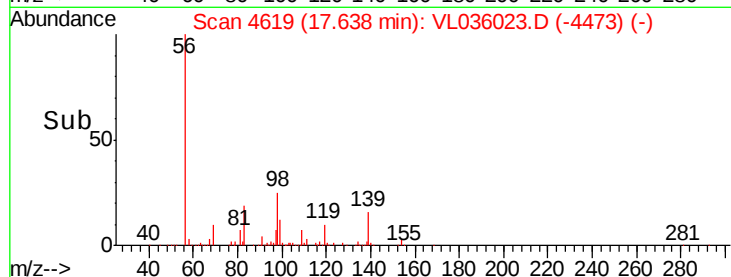
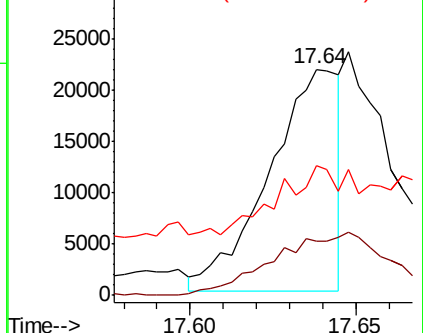
91 125.9 22.8 34.2#



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 0.690 ppbv

RT: 18.56 min Scan# 4907

Delta R.T. -0.00 min

Lab File: VL036023.D

Acq: 25 Nov 2020 9:53

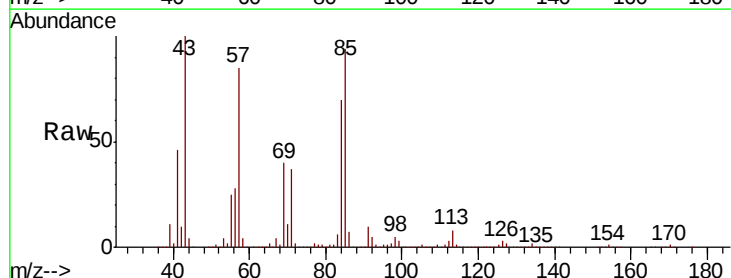
Tgt Ion: 91 Resp: 434564

Ion Ratio Lower Upper

91 100

92 52.3 45.7 68.5

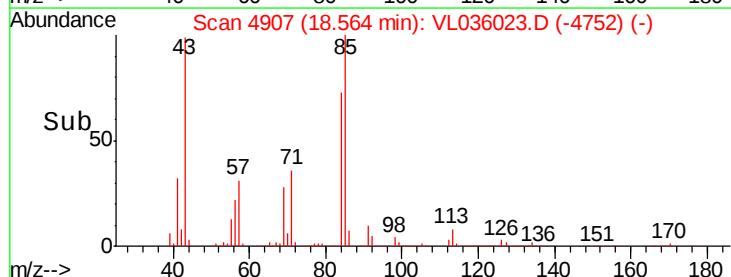
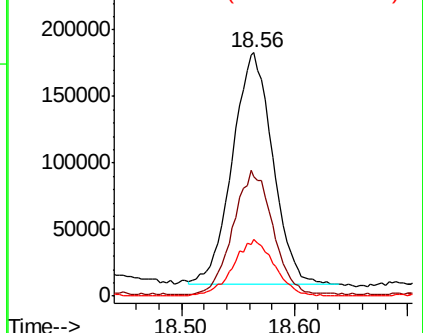
134 25.0 21.0 31.4

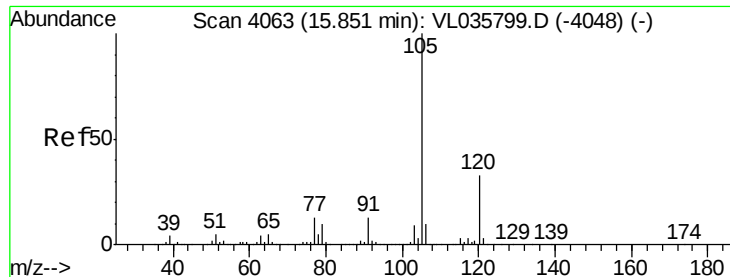


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#72

4-Ethyltoluene

Concen: 0.173 ppbv

RT: 15.82 min Scan# 4054

Delta R.T. -0.03 min

Lab File: VL036023.D

Acq: 25 Nov 2020 9:53

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 86368

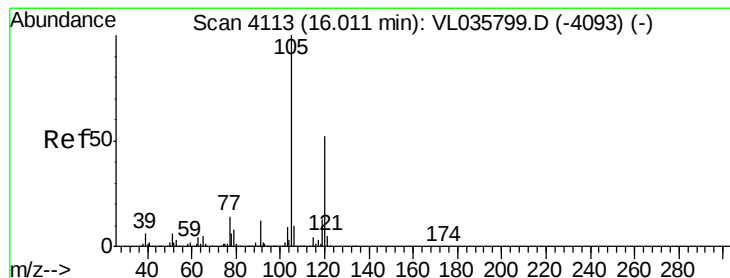
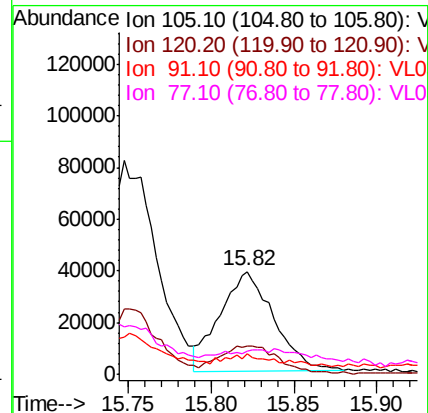
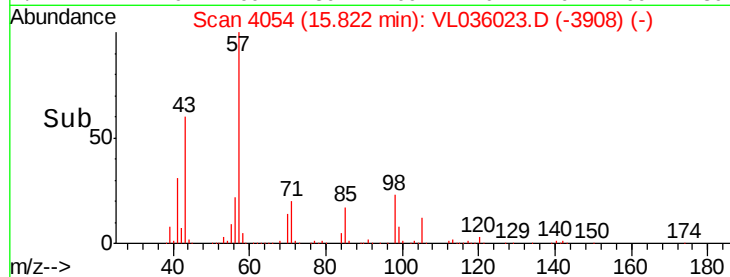
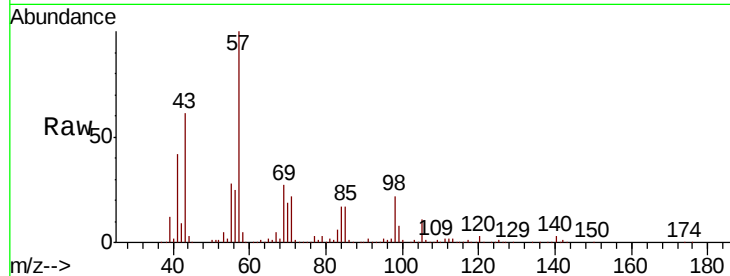
Ion Ratio Lower Upper

105 100

120 29.9 25.9 38.9

91 16.2 9.9 14.9#

77 29.2 10.2 15.2#



#73

1,3,5-Trimethylbenzene

Concen: 0.136 ppbv

RT: 15.98 min Scan# 4103

Delta R.T. -0.03 min

Lab File: VL036023.D

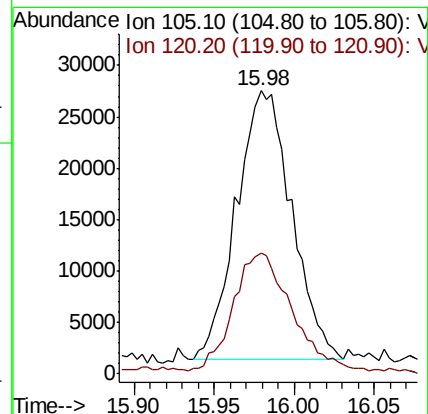
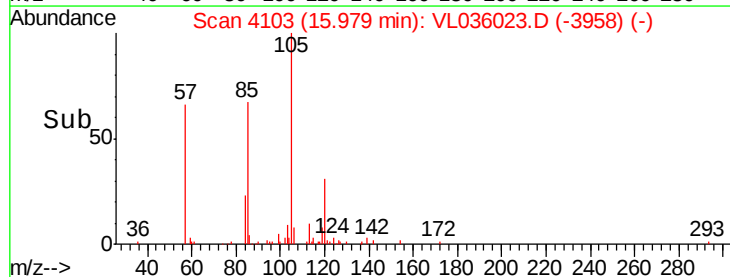
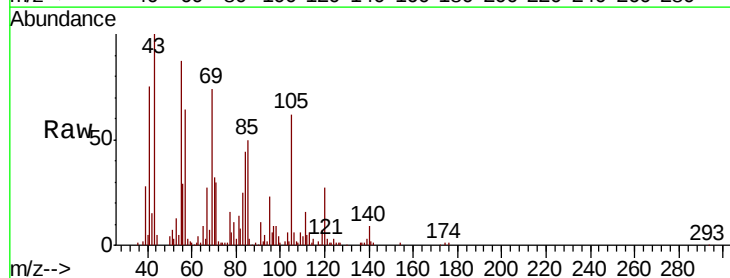
Acq: 25 Nov 2020 9:53

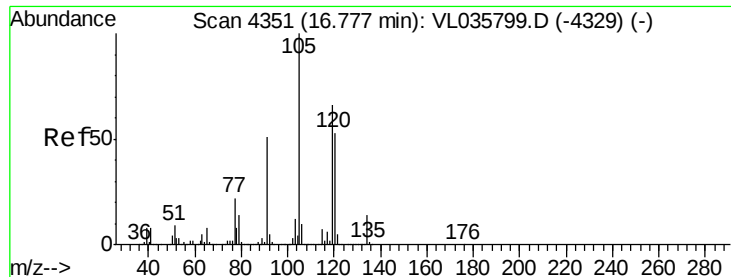
Tgt Ion:105 Resp: 61868

Ion Ratio Lower Upper

105 100

120 43.0 41.4 62.2





#74
 1,2,4-Trimethylbenzene
 Concen: 0.490 ppbv
 RT: 16.75 min Scan# 4342
 Delta R.T. -0.03 min
 Lab File: VL036023.D
 Acq: 25 Nov 2020 9:53

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:	105	Resp:	239328
Ion Ratio	Lower	Upper	
105	100		
120	39.1	42.0	63.0#
91	11.4	41.0	61.6#
77	13.6	17.3	25.9#

