

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
 Data File : VL034484.D
 Acq On : 10 Dec 2019 4:07
 Operator : SY/AP
 Sample : K6181-03
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1A-3

Quant Time: Dec 10 07:15:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	821157	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1668919	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1691136	10.00	ppbv	0.00

System Monitoring Compounds

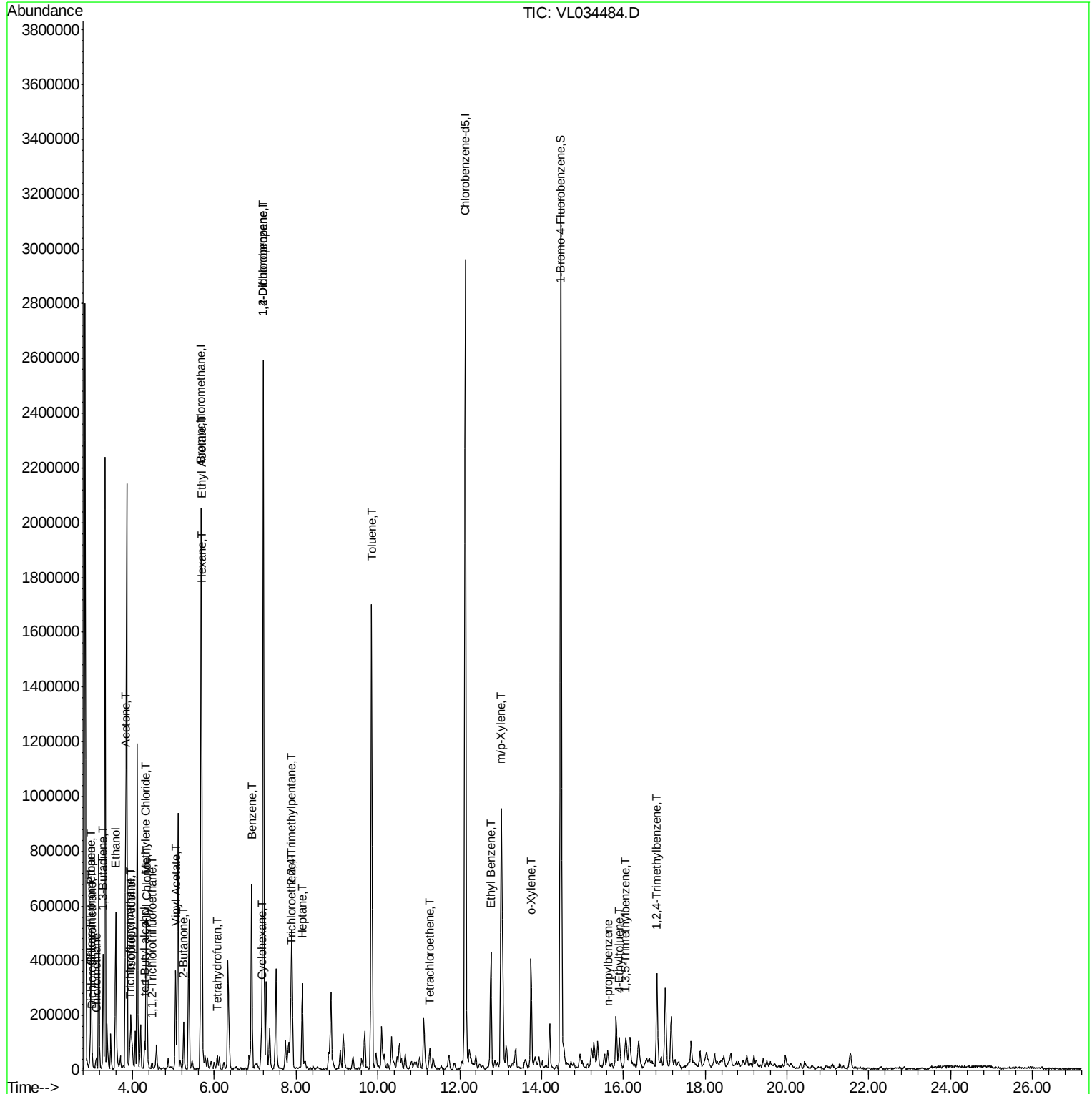
68) 1-Bromo-4-Fluorobenzene	14.47	95	1454546	10.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

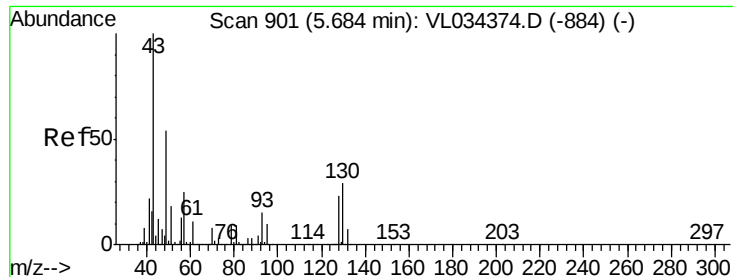
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	30594	0.206	ppbv #	82
3) Chlorodifluoromethane	2.96	51	50970	0.497	ppbv #	89
4) Chloromethane	3.11	50	27944	0.462	ppbv	89
9) Propene	2.98	41	185770	4.084	ppbv	93
10) Heptane	8.15	43	119547	1.018	ppbv	98
11) Trichlorofluoromethane	3.93	101	48229	0.326	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.47	101	7328	0.075	ppbv	95
13) Ethanol	3.59	45	586557	46.292	ppbv	95
15) Acetone	3.83	43	904240	7.690	ppbv	94
16) 1,3-Butadiene	3.28	39	121090	2.364	ppbv #	20
17) tert-Butyl alcohol	4.30	59	8917	0.090	ppbv #	71
19) Isopropyl Alcohol	3.96	45	193096	2.562	ppbv #	93
20) Methylene Chloride	4.33	84	166007	3.981	ppbv	90
21) Allyl Chloride	4.36	41	29844	0.424	ppbv #	29
23) Vinyl Acetate	5.06	43	80450	0.524	ppbv #	1
25) Ethyl Acetate	5.69	43	214670	1.023	ppbv #	83
26) Hexane	5.70	57	257741	2.859	ppbv #	42
30) Cyclohexane	7.16	84	42151	0.618	ppbv	87
34) 2-Butanone	5.25	43	178896	1.302	ppbv	98
36) Benzene	6.91	78	505335	3.029	ppbv	96
38) Trichloroethene	7.86	130	38973	0.569	ppbv	89
39) 1,2-Dichloropropane	7.20	63	485343	7.551	ppbv #	23
41) Tetrahydrofuran	6.07	42	11270	0.146	ppbv #	37
44) 2,2,4-Trimethylpentane	7.90	57	372238	1.221	ppbv #	85
52) Tetrachloroethene	11.27	164	7451	0.103	ppbv #	83
53) Toluene	9.84	91	1186955	6.264	ppbv	99
58) Ethyl Benzene	12.76	91	343316	1.308	ppbv	95
59) m/p-Xylene	13.01	91	953243	4.202	ppbv	99
60) o-Xylene	13.74	91	267435	1.192	ppbv	100
64) n-propylbenzene	15.62	120	2733	0.035	ppbv #	1
72) 4-Ethyltoluene	15.90	105	29338	0.113	ppbv #	58
73) 1,3,5-Trimethylbenzene	16.05	105	47058	0.186	ppbv	88
74) 1,2,4-Trimethylbenzene	16.82	105	116578	0.433	ppbv #	61

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

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Misc : 400ml/MSV0A_L
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Quant Time: Dec 10 07:15:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034484.D

Acq: 10 Dec 2019 4:07

Instrument :

MSVOA_L

ClientSampleId :

1A-3

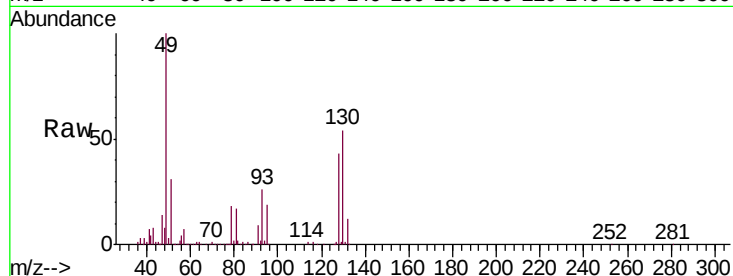
Tgt Ion: 49 Resp: 821157

Ion Ratio Lower Upper

49 100

128 43.4 21.8 65.3

130 55.4 28.0 84.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

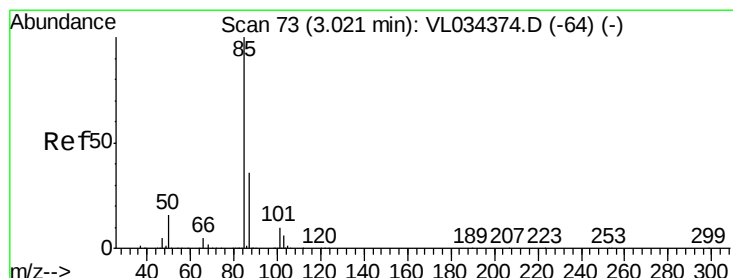
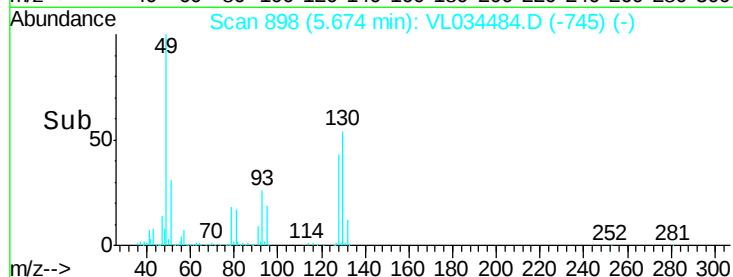
5.67

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.206 ppbv

RT: 3.02 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL034484.D

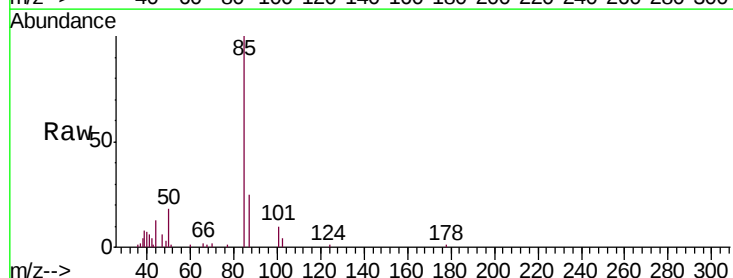
Acq: 10 Dec 2019 4:07

Tgt Ion: 85 Resp: 30594

Ion Ratio Lower Upper

85 100

87 25.1 28.5 42.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

30000

25000

20000

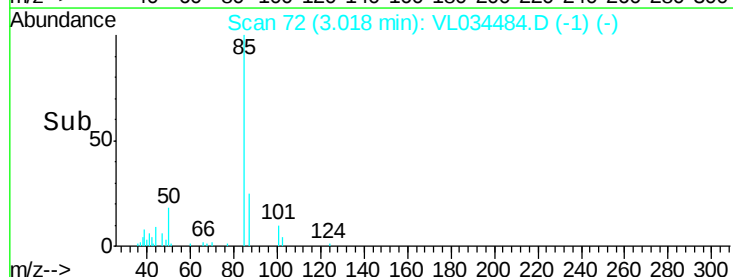
15000

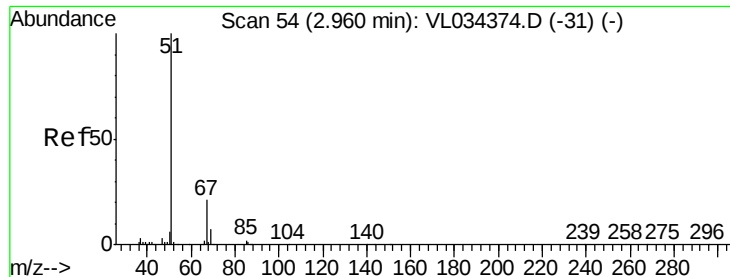
10000

5000

0

Time-->





#3

Chlorodifluoromethane

Concen: 0.497 ppbv

RT: 2.96 min Scan# 54

Delta R.T. 0.00 min

Lab File: VL034484.D

Acq: 10 Dec 2019 4:07

Instrument :

MSVOA_L

ClientSampleId :

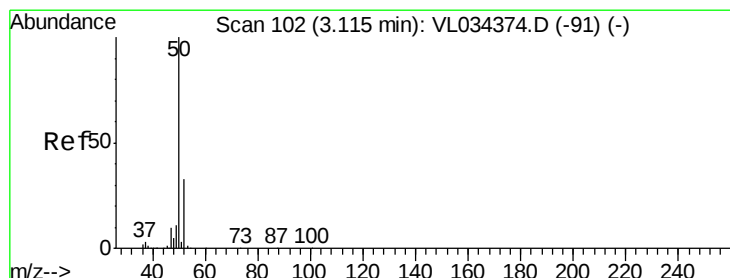
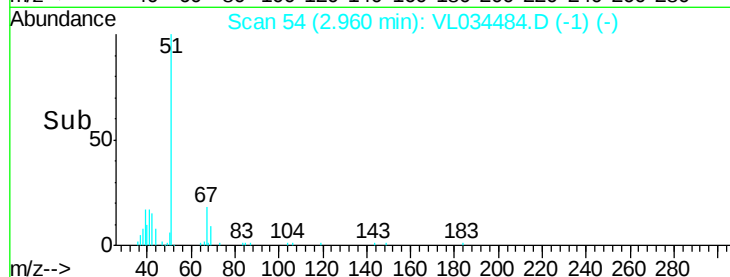
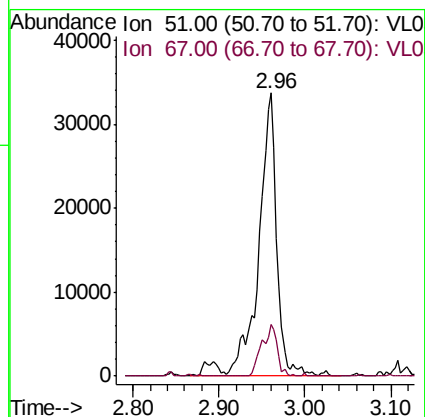
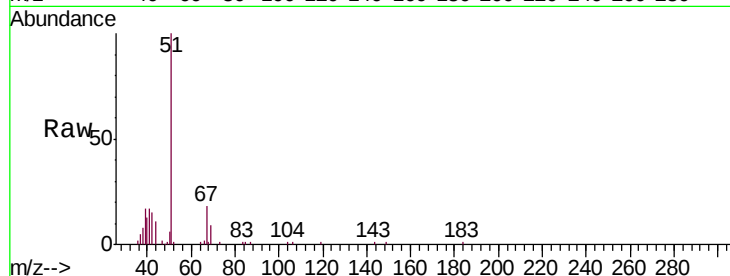
1A-3

Tgt Ion: 51 Resp: 50970

Ion Ratio Lower Upper

51 100

67 15.3 16.2 24.2#



#4

Chloromethane

Concen: 0.462 ppbv

RT: 3.11 min Scan# 102

Delta R.T. 0.00 min

Lab File: VL034484.D

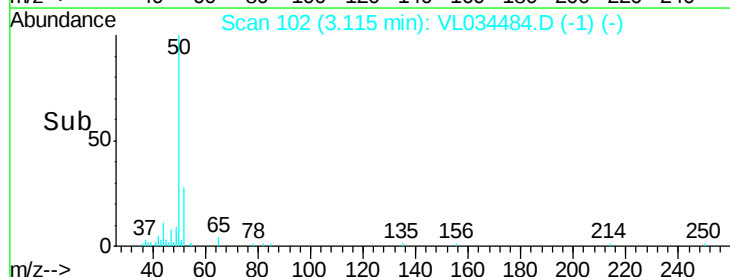
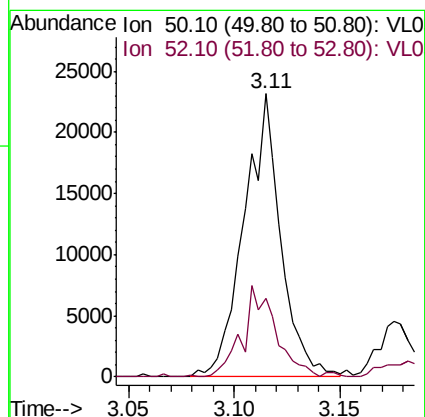
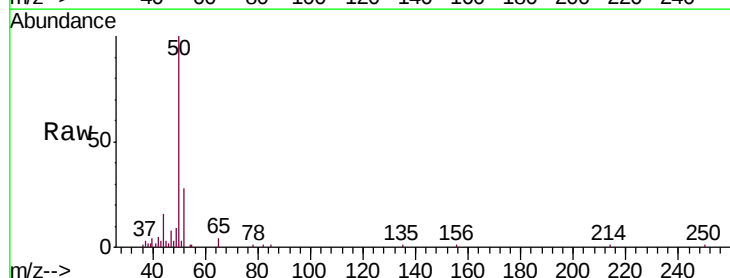
Acq: 10 Dec 2019 4:07

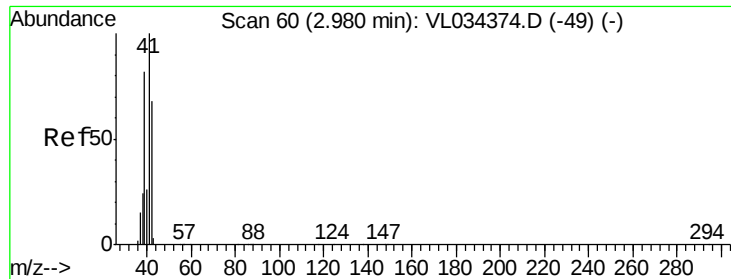
Tgt Ion: 50 Resp: 27944

Ion Ratio Lower Upper

50 100

52 27.2 26.8 40.2





#9

Propene

Concen: 4.084 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL034484.D

Acq: 10 Dec 2019 4:07

Instrument :

MSVOA_L

ClientSampleId :

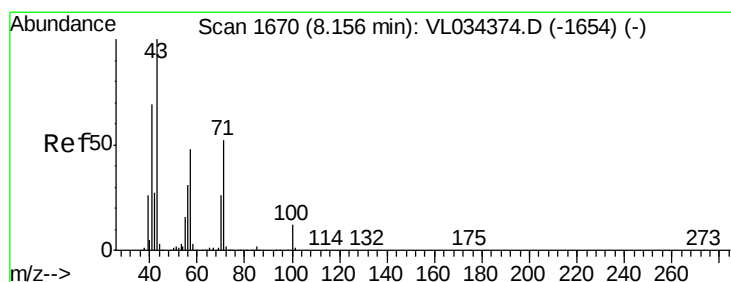
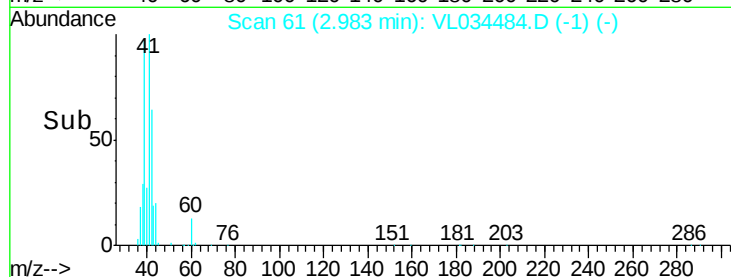
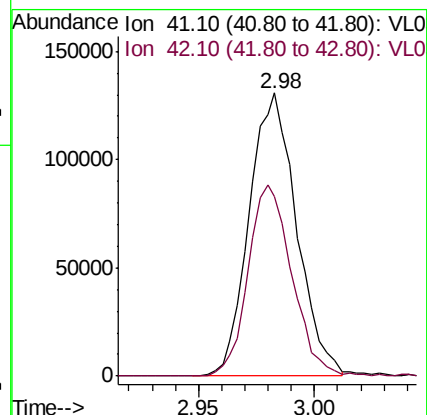
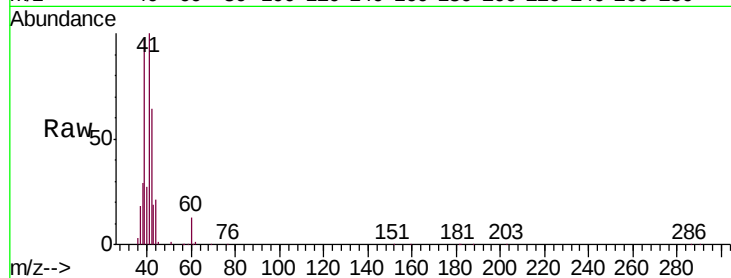
1A-3

Tgt Ion: 41 Resp: 185770

Ion Ratio Lower Upper

41 100

42 62.8 54.6 82.0



#10

Heptane

Concen: 1.018 ppbv

RT: 8.15 min Scan# 1668

Delta R.T. -0.01 min

Lab File: VL034484.D

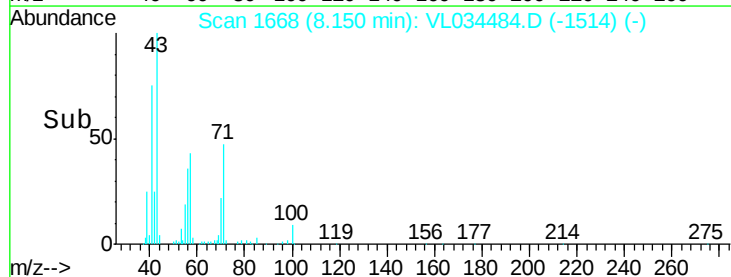
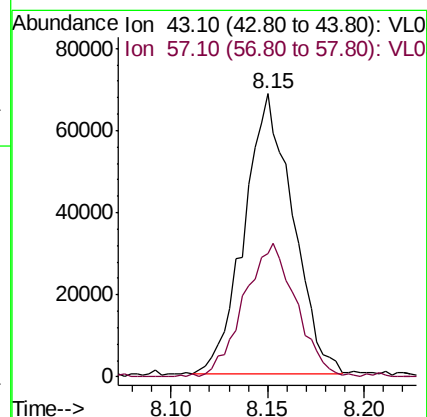
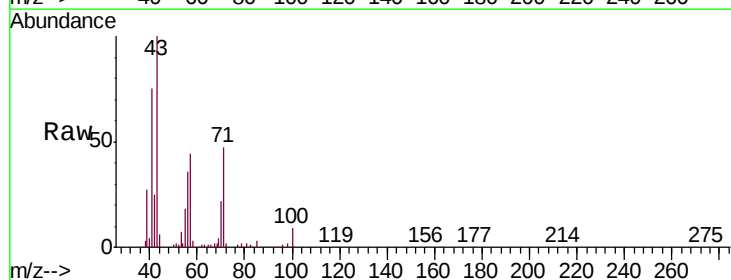
Acq: 10 Dec 2019 4:07

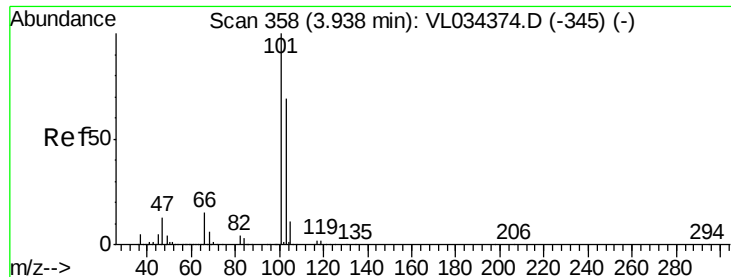
Tgt Ion: 43 Resp: 119547

Ion Ratio Lower Upper

43 100

57 51.7 40.2 60.2





#11

Trichlorofluoromethane

Concen: 0.326 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.01 min

Lab File: VL034484.D

Acq: 10 Dec 2019 4:07

Instrument :

MSVOA_L

ClientSampleId :

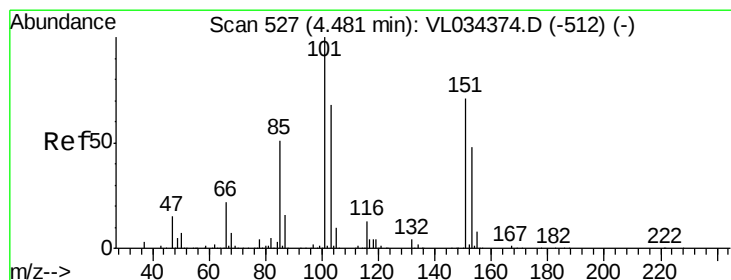
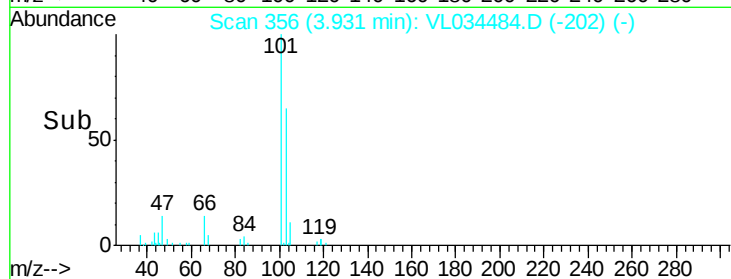
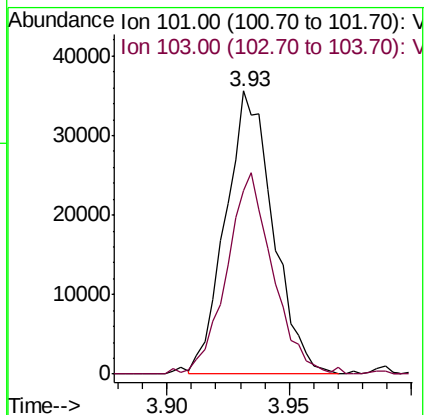
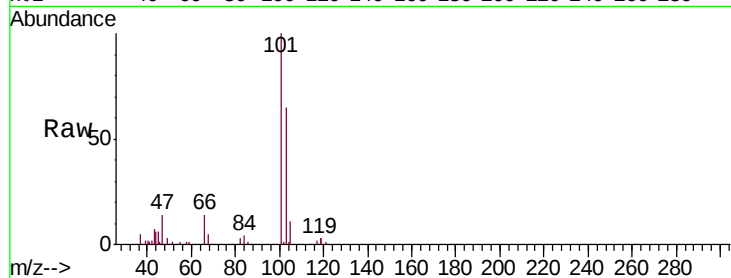
1A-3

Tgt Ion:101 Resp: 48229

Ion Ratio Lower Upper

101 100

103 63.3 55.4 83.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.075 ppbv

RT: 4.47 min Scan# 525

Delta R.T. -0.01 min

Lab File: VL034484.D

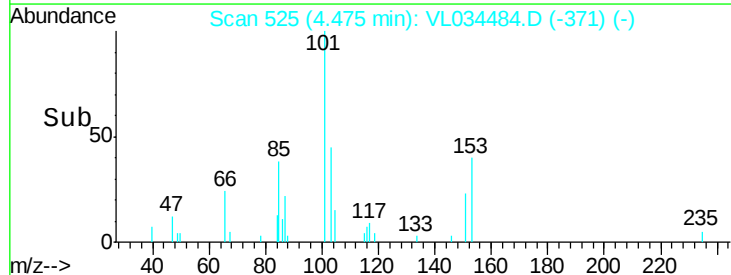
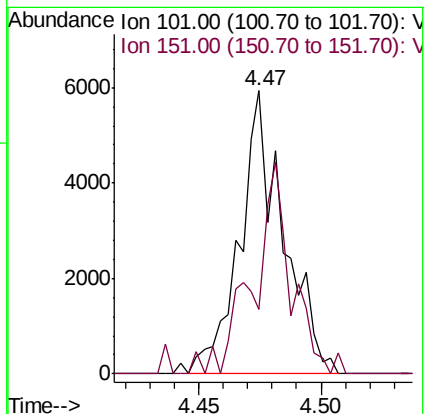
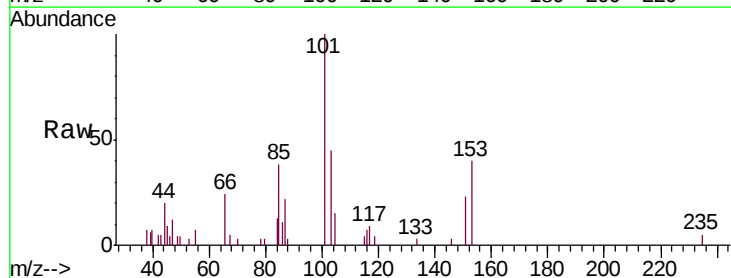
Acq: 10 Dec 2019 4:07

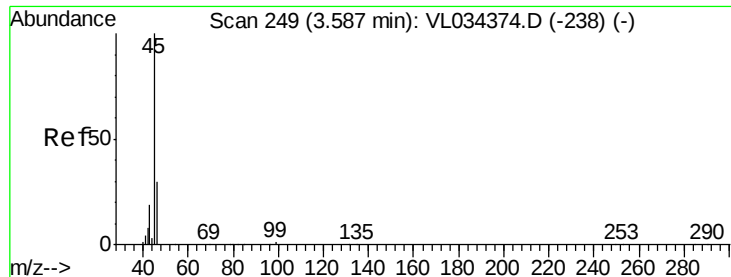
Tgt Ion:101 Resp: 7328

Ion Ratio Lower Upper

101 100

151 67.8 57.4 86.2

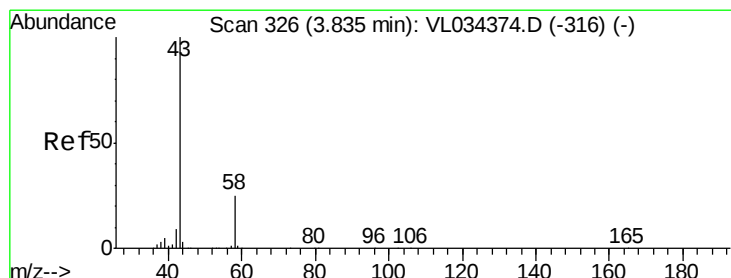
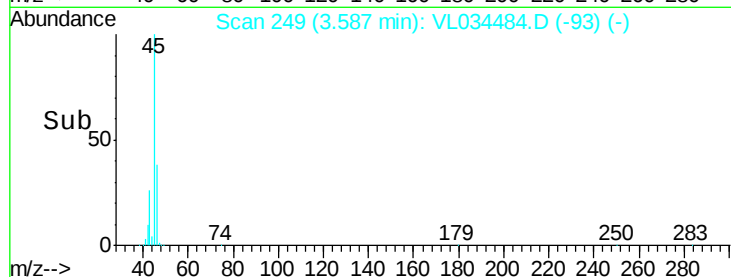
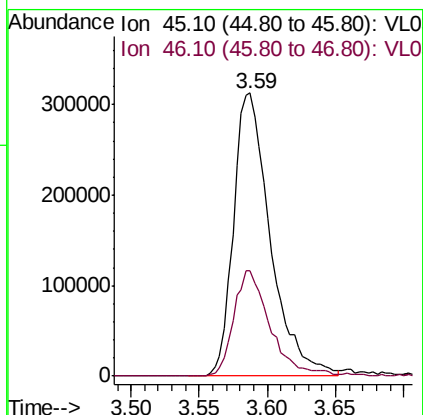
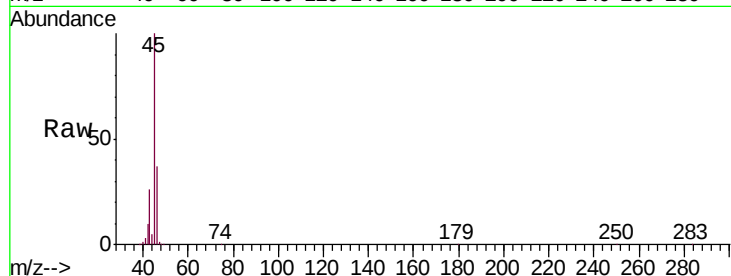




#13
Ethanol
Concen: 46.292 ppbv
RT: 3.59 min Scan# 249
Delta R.T. 0.00 min
Lab File: VL034484.D
Acq: 10 Dec 2019 4:07

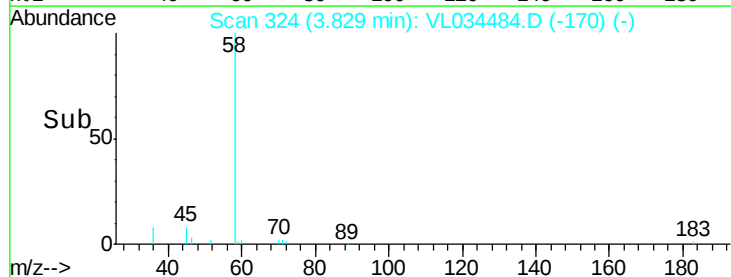
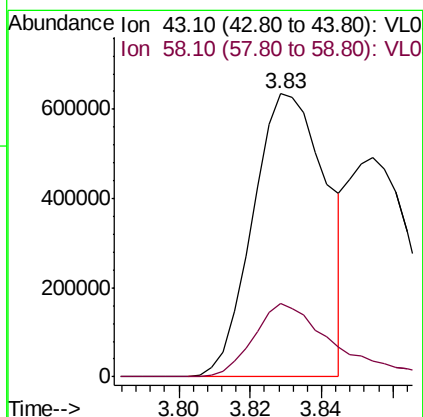
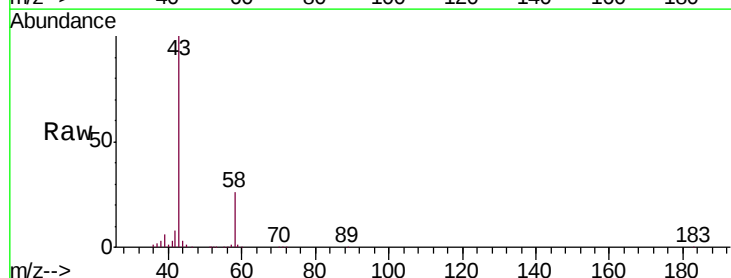
Instrument :
MSVOA_L
ClientSampleId :
1A-3

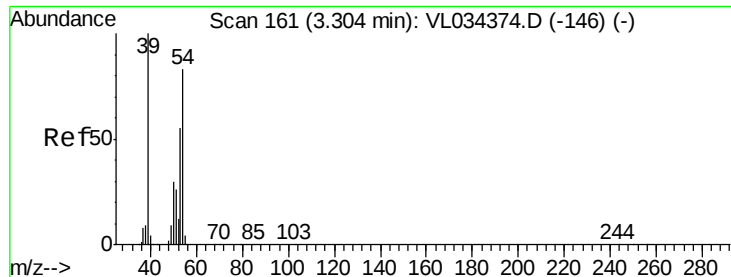
Tgt Ion: 45 Resp: 586557
Ion Ratio Lower Upper
45 100
46 37.5 13.8 55.4



#15
Acetone
Concen: 7.690 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.01 min
Lab File: VL034484.D
Acq: 10 Dec 2019 4:07

Tgt Ion: 43 Resp: 904240
Ion Ratio Lower Upper
43 100
58 28.4 20.2 30.4

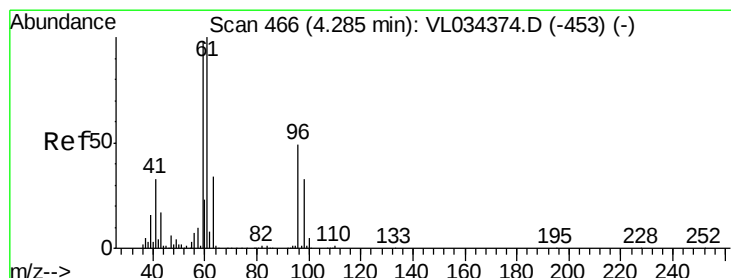
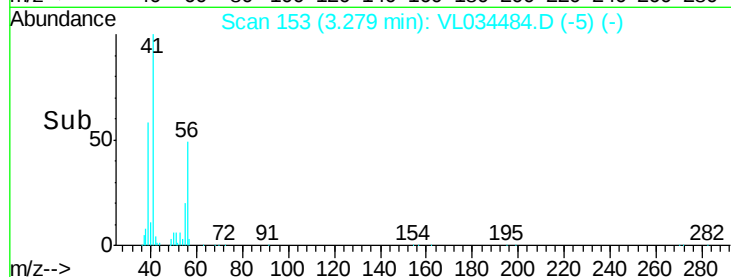
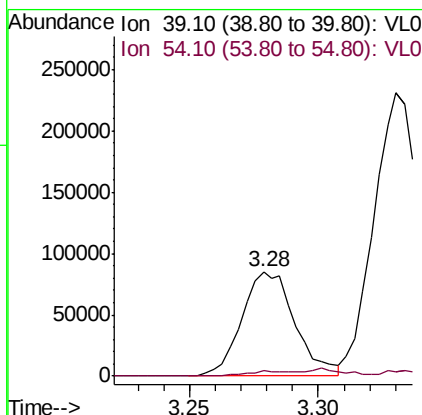
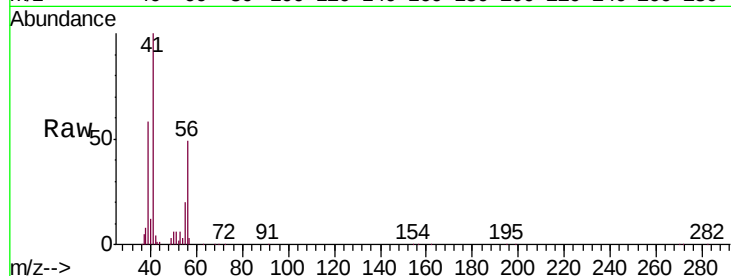




#16
 1,3-Butadiene
 Concen: 2.364 ppbv
 RT: 3.28 min Scan# 153
 Delta R.T. -0.03 min
 Lab File: VL034484.D
 Acq: 10 Dec 2019 4:07

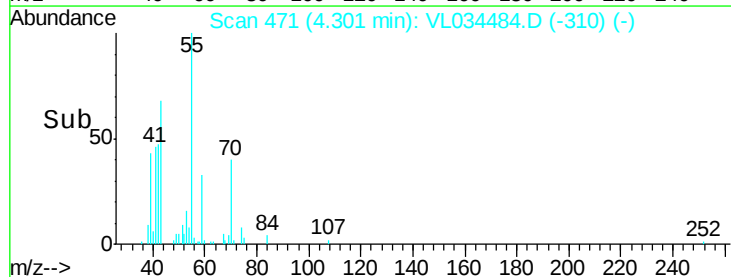
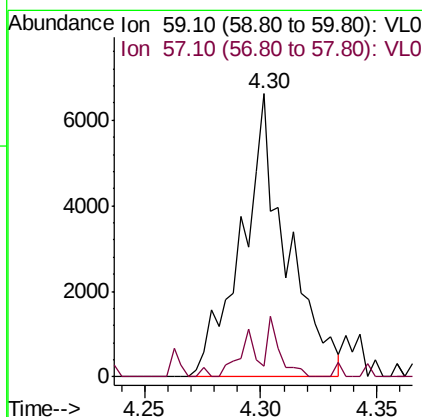
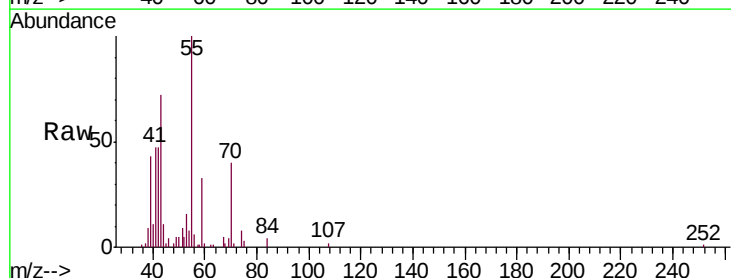
Instrument :
 MSVOA_L
 ClientSampleId :
 1A-3

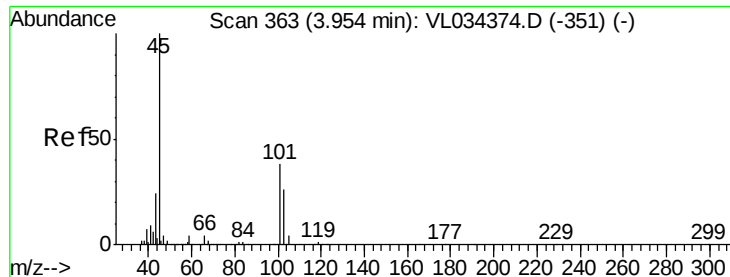
Tgt Ion: 39 Resp: 121090
 Ion Ratio Lower Upper
 39 100
 54 9.5 64.7 97.1#



#17
 tert-Butyl alcohol
 Concen: 0.090 ppbv
 RT: 4.30 min Scan# 471
 Delta R.T. 0.02 min
 Lab File: VL034484.D
 Acq: 10 Dec 2019 4:07

Tgt Ion: 59 Resp: 8917
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#





#19

Isopropyl Alcohol

Concen: 2.562 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL034484.D

Acq: 10 Dec 2019 4:07

Instrument :

MSVOA_L

ClientSampleId :

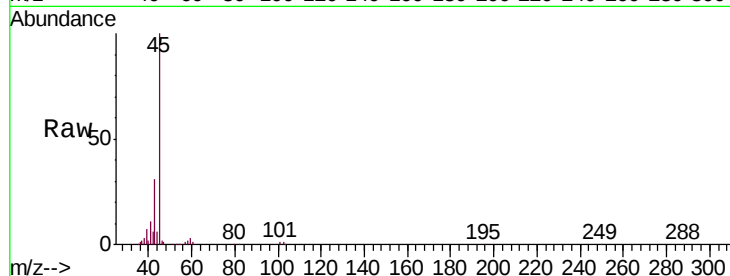
1A-3

Tgt Ion: 45 Resp: 193096

Ion Ratio Lower Upper

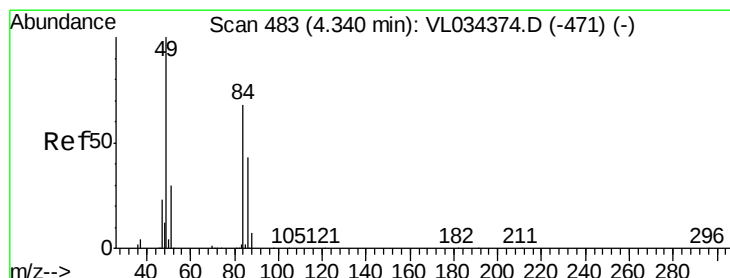
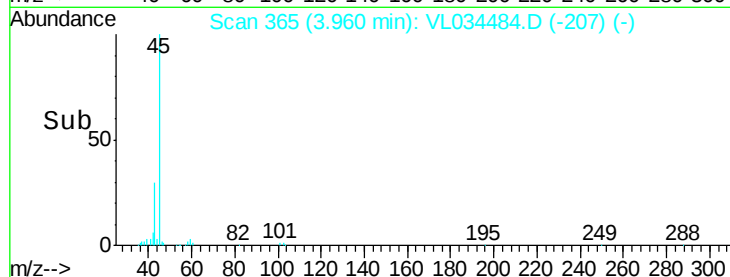
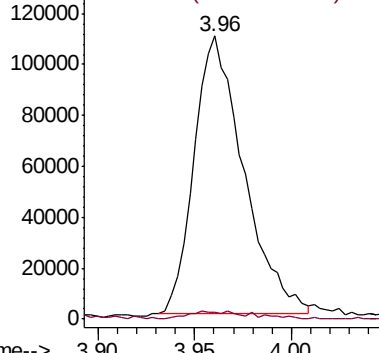
45 100

58 4.3 1.3 1.9#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 3.981 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL034484.D

Acq: 10 Dec 2019 4:07

Tgt Ion: 84 Resp: 166007

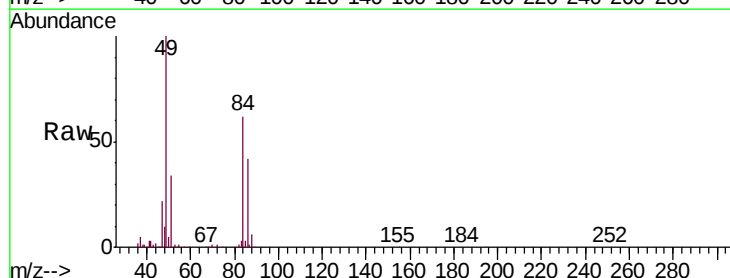
Ion Ratio Lower Upper

84 100

49 159.7 116.8 175.2

51 52.6 35.6 53.4

86 66.9 50.7 76.1

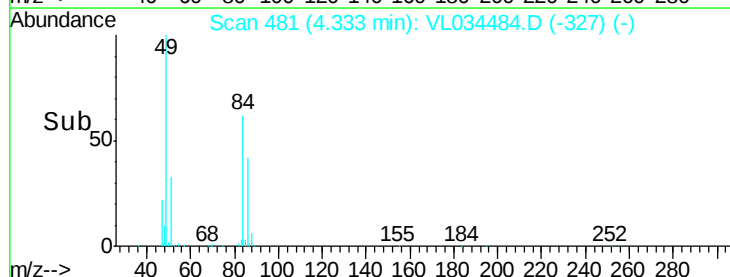
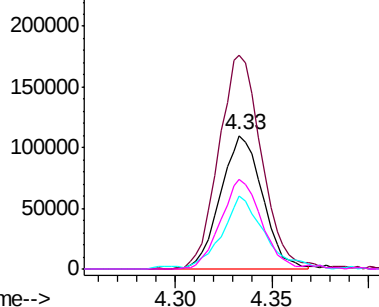


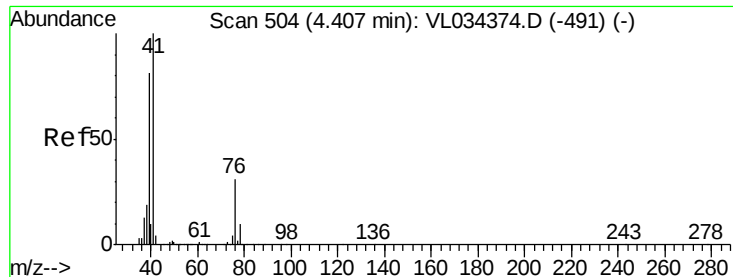
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

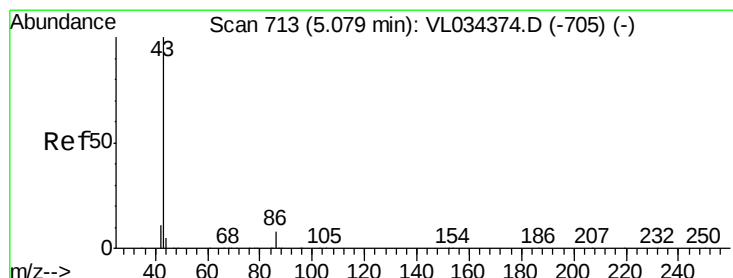
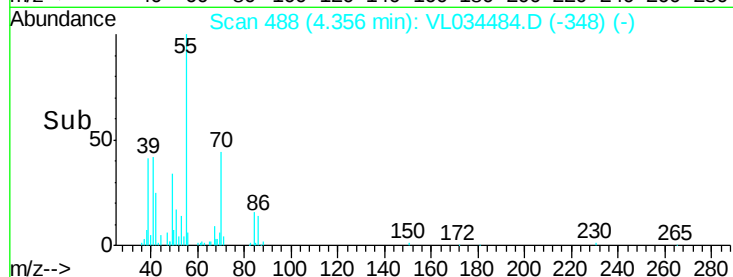
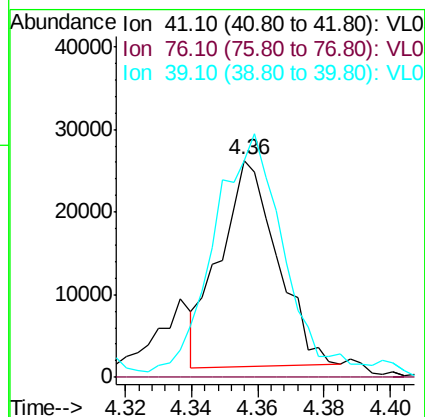
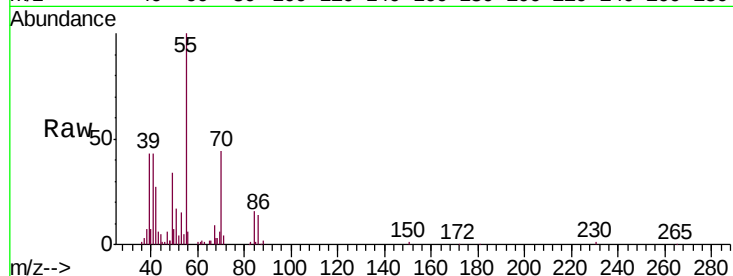




#21
 Allyl Chloride
 Concen: 0.424 ppbv
 RT: 4.36 min Scan# 488
 Delta R.T. -0.05 min
 Lab File: VL034484.D
 Acq: 10 Dec 2019 4:07

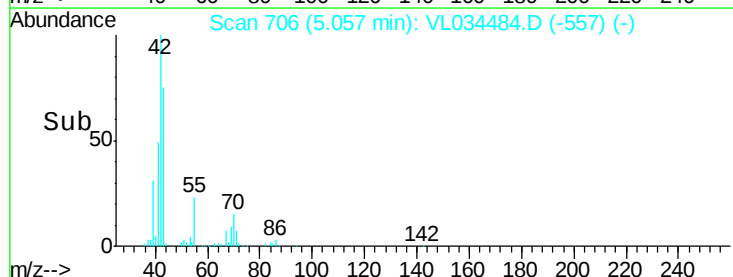
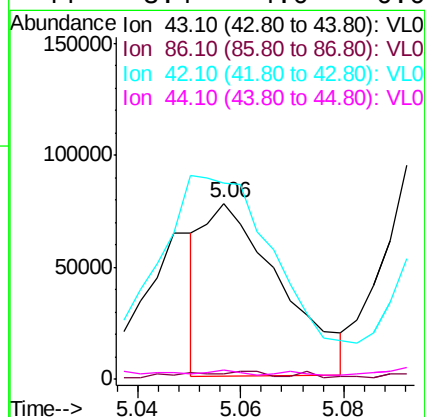
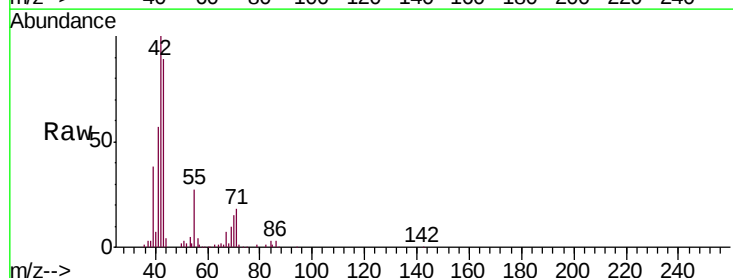
Instrument :
 MSVOA_L
 ClientSampleId :
 1A-3

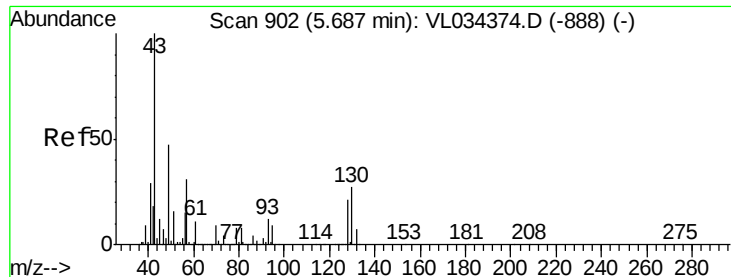
Tgt Ion: 41 Resp: 29844
 Ion Ratio Lower Upper
 41 100
 76 0.2 24.2 36.2#
 39 153.2 66.9 100.3#



#23
 Vinyl Acetate
 Concen: 0.524 ppbv
 RT: 5.06 min Scan# 706
 Delta R.T. -0.02 min
 Lab File: VL034484.D
 Acq: 10 Dec 2019 4:07

Tgt Ion: 43 Resp: 80450
 Ion Ratio Lower Upper
 43 100
 86 1.7 5.8 8.6#
 42 122.7 8.9 13.3#
 44 3.4 4.0 6.0#





#25

Ethyl Acetate

Concen: 1.023 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.00 min

Lab File: VL034484.D

Acq: 10 Dec 2019 4:07

Instrument :

MSVOA_L

ClientSampleId :

1A-3

Tgt Ion: 43 Resp: 214670

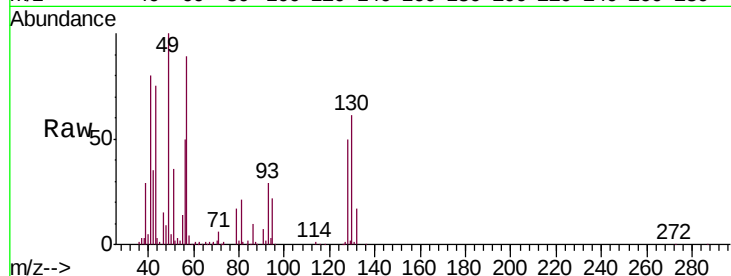
Ion Ratio Lower Upper

43 100

45 3.0 8.2 12.4#

61 2.2 7.5 11.3#

70 3.3 5.7 8.5#



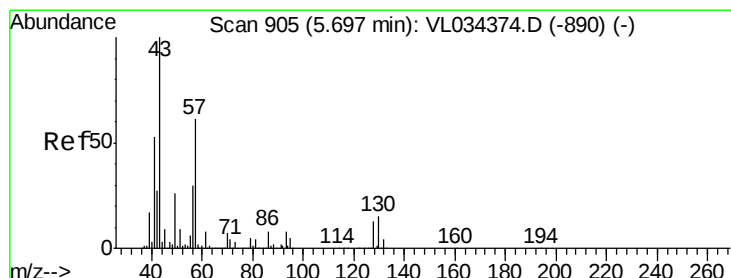
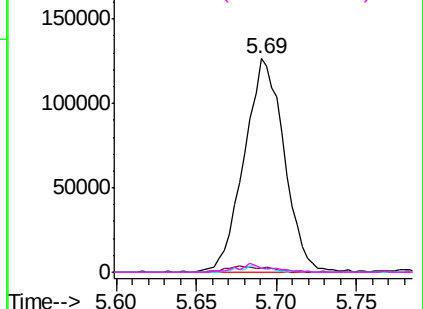
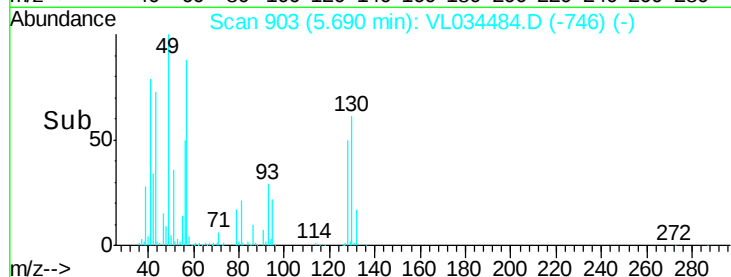
Abundance

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: 2.859 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.00 min

Lab File: VL034484.D

Acq: 10 Dec 2019 4:07

Tgt Ion: 57 Resp: 257741

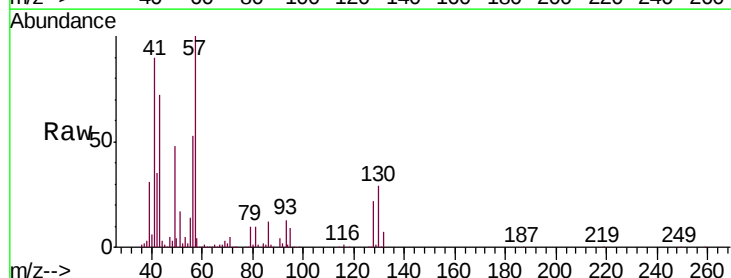
Ion Ratio Lower Upper

57 100

41 99.8 75.0 112.4

43 84.2 186.6 279.8#

56 58.7 41.5 62.3



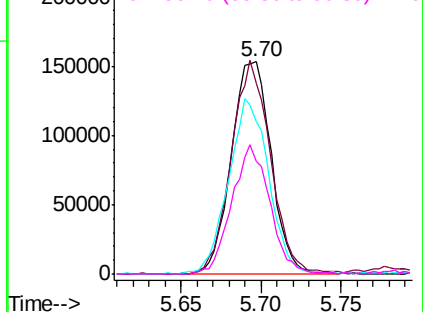
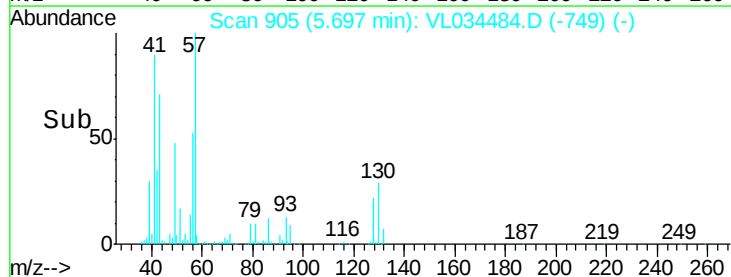
Abundance

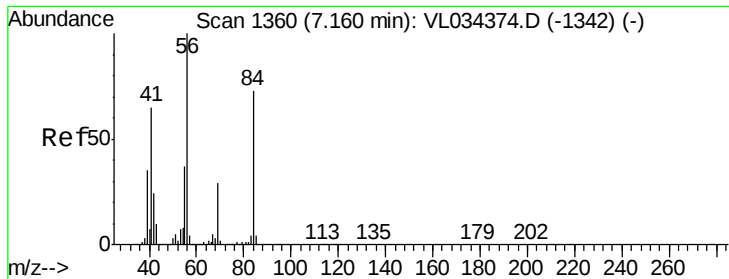
Ion 57.10 (56.80 to 57.80): VL0

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

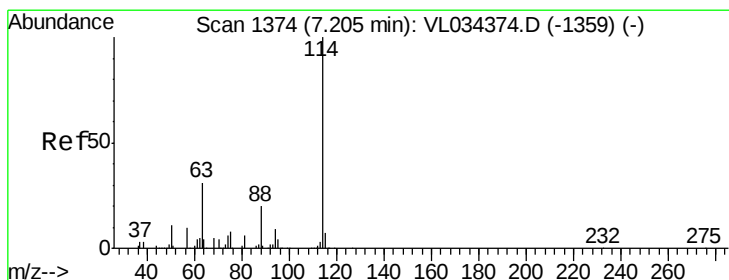
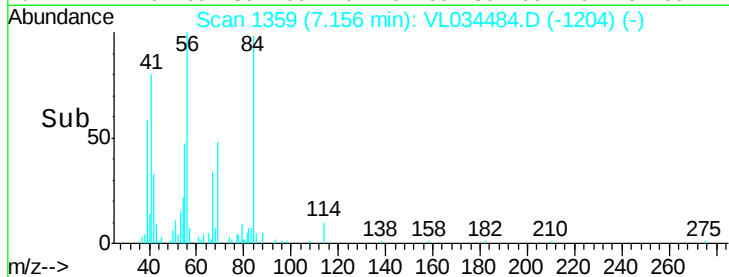
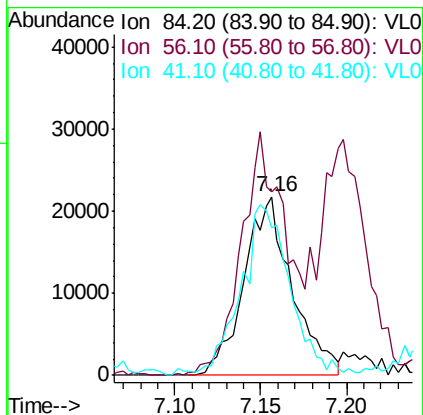
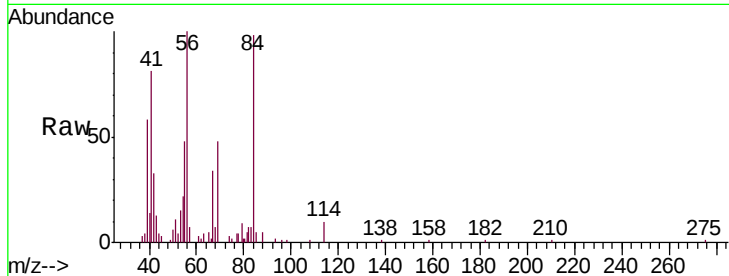




#30
Cyclohexane
Concen: 0.618 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL034484.D
Acq: 10 Dec 2019 4:07

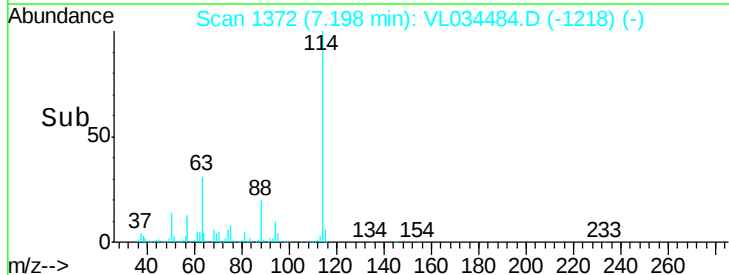
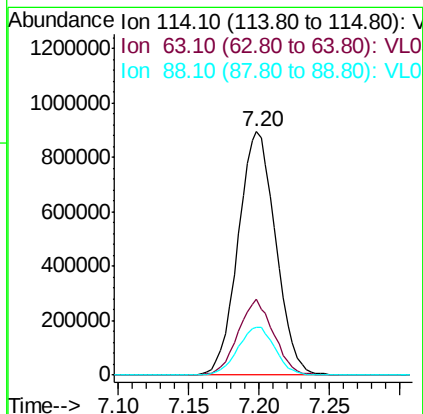
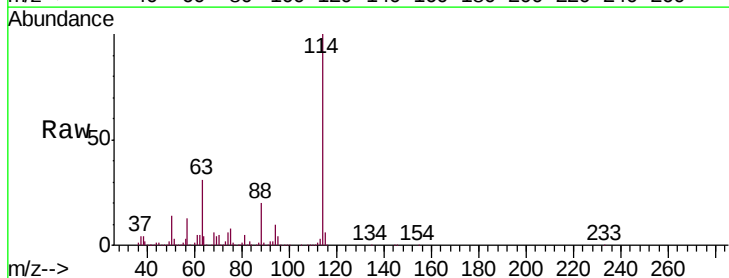
Instrument :
MSVOA_L
ClientSampleId :
1A-3

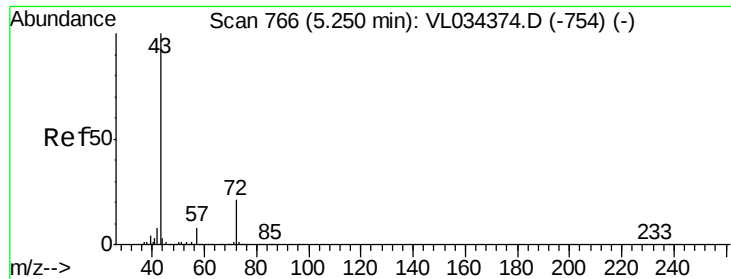
Tgt Ion: 84 Resp: 42151
Ion Ratio Lower Upper
84 100
56 115.4 112.6 169.0
41 93.0 73.4 110.2



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. -0.01 min
Lab File: VL034484.D
Acq: 10 Dec 2019 4:07

Tgt Ion: 114 Resp: 1668919
Ion Ratio Lower Upper
114 100
63 29.5 24.2 36.4
88 19.6 15.9 23.9

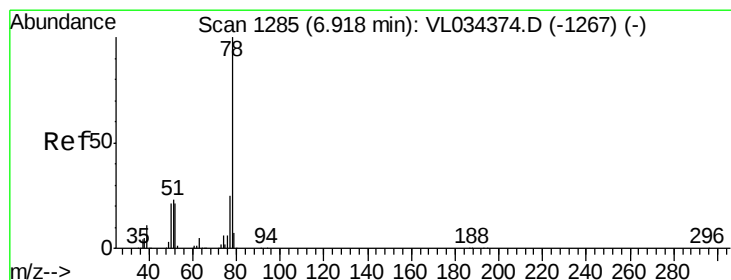
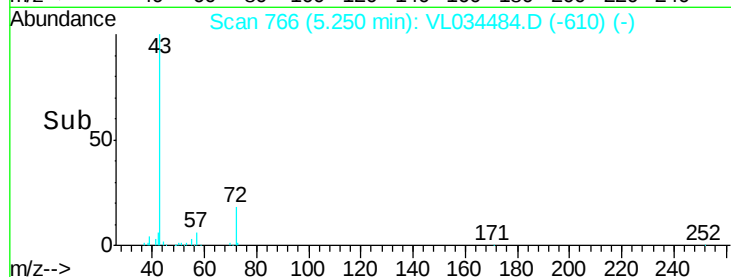
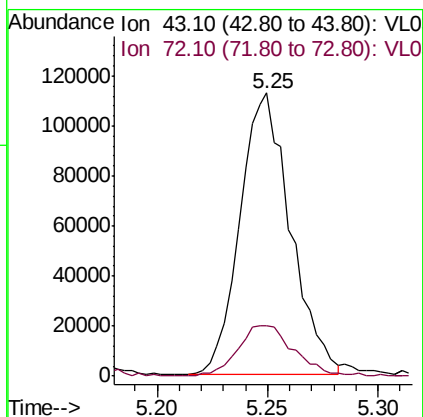
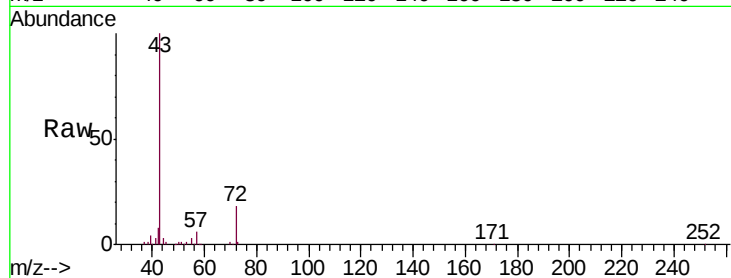




#34
2-Butanone
Concen: 1.302 ppbv
RT: 5.25 min Scan# 766
Delta R.T. 0.00 min
Lab File: VL034484.D
Acq: 10 Dec 2019 4:07

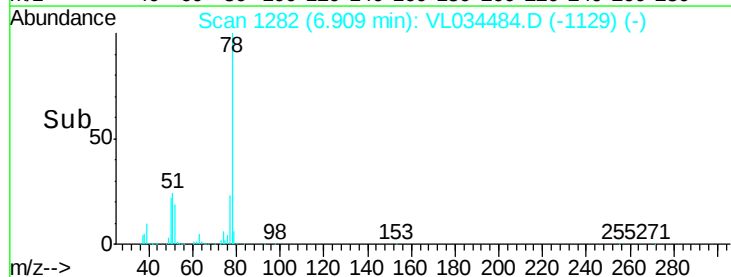
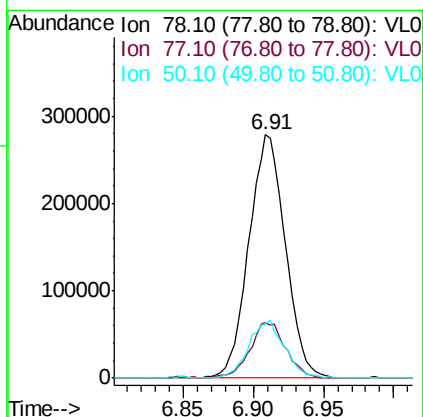
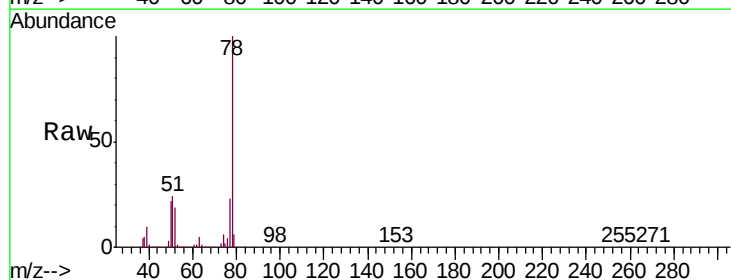
Instrument :
MSVOA_L
ClientSampleId :
1A-3

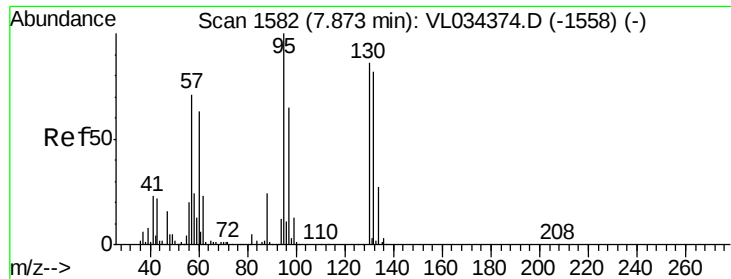
Tgt Ion: 43 Resp: 178896
Ion Ratio Lower Upper
43 100
72 20.2 17.0 25.6



#36
Benzene
Concen: 3.029 ppbv
RT: 6.91 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VL034484.D
Acq: 10 Dec 2019 4:07

Tgt Ion: 78 Resp: 505335
Ion Ratio Lower Upper
78 100
77 22.5 20.2 30.4
50 22.4 17.1 25.7





#38

Trichloroethene

Concen: 0.569 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. -0.01 min

Lab File: VL034484.D

Acq: 10 Dec 2019 4:07

Instrument :

MSVOA_L

ClientSampleId :

1A-3

Tgt Ion:130 Resp: 38973

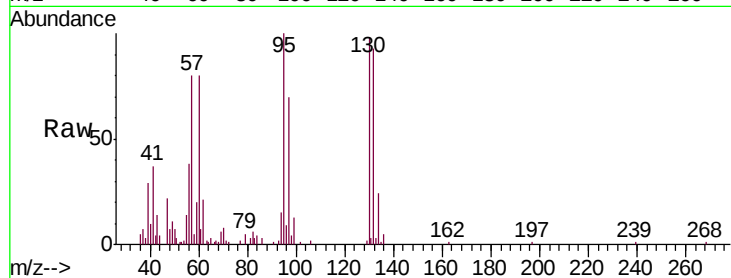
Ion Ratio Lower Upper

130 100

95 97.8 93.4 140.0

132 91.7 76.4 114.6

97 67.3 61.1 91.7

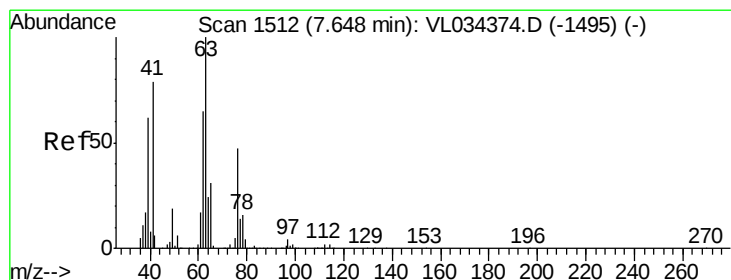
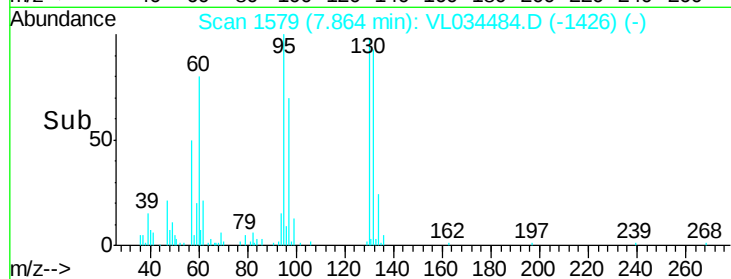
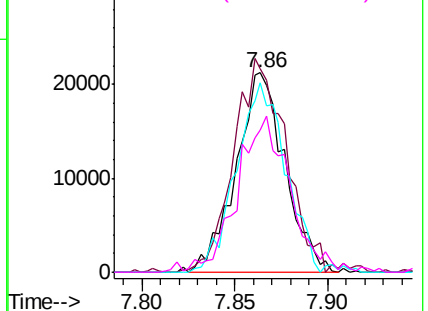


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 7.551 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. -0.45 min

Lab File: VL034484.D

Acq: 10 Dec 2019 4:07

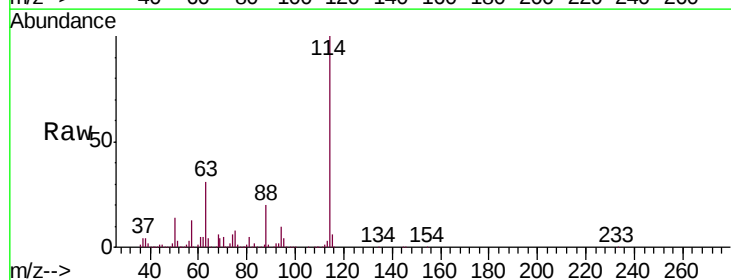
Tgt Ion: 63 Resp: 485343

Ion Ratio Lower Upper

63 100

41 0.0 63.1 94.7#

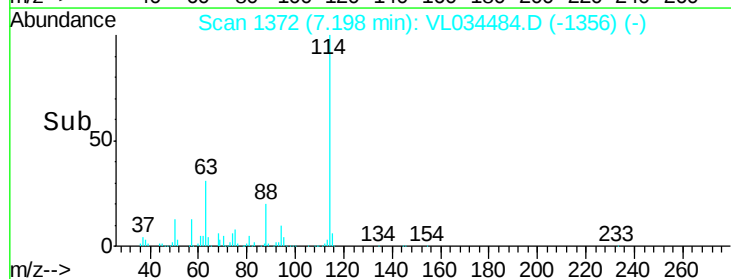
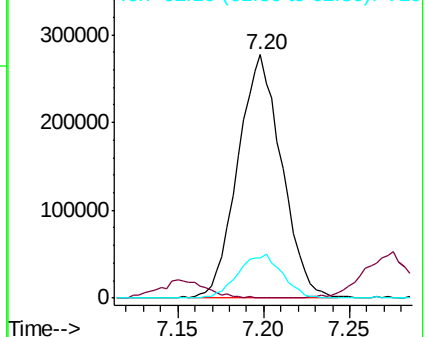
62 16.5 52.3 78.5#

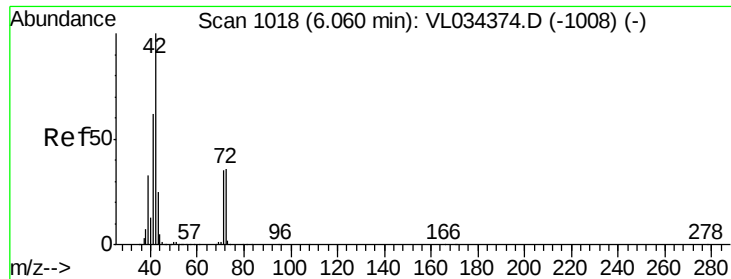


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

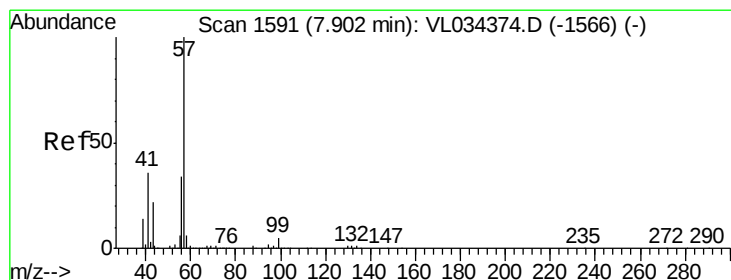
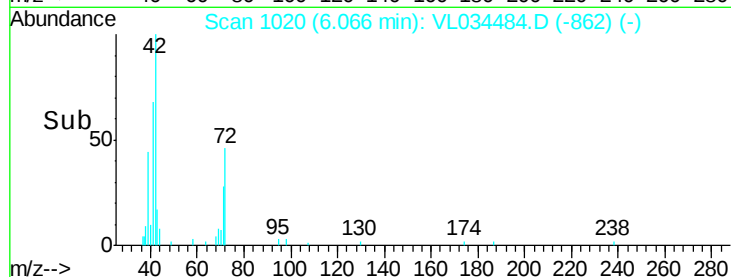
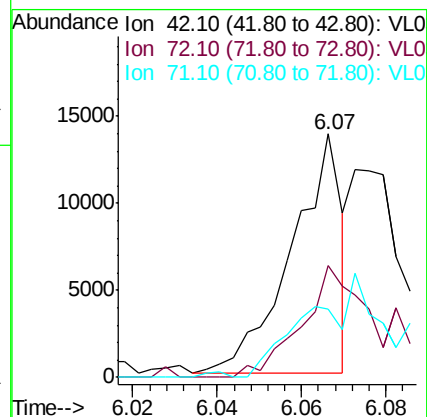
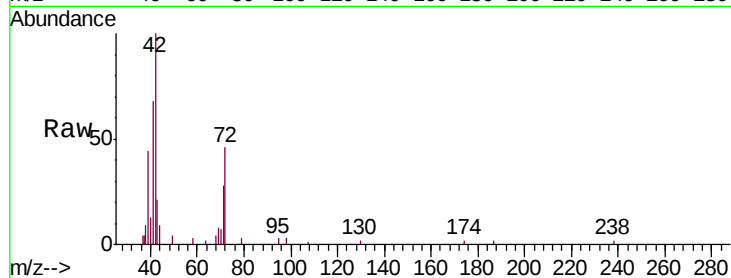




#41
Tetrahydrofuran
Concen: 0.146 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VL034484.D
Acq: 10 Dec 2019 4:07

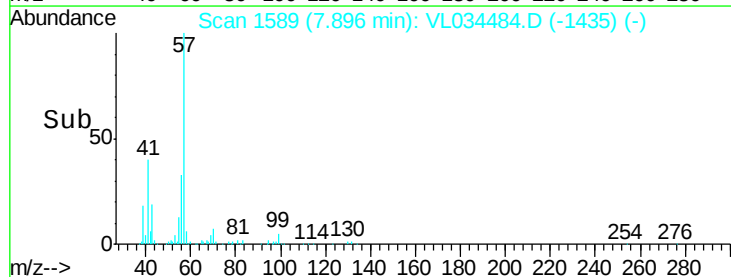
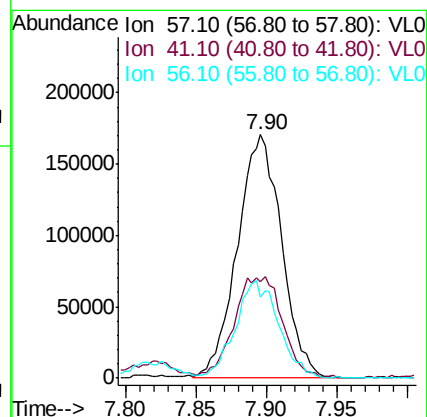
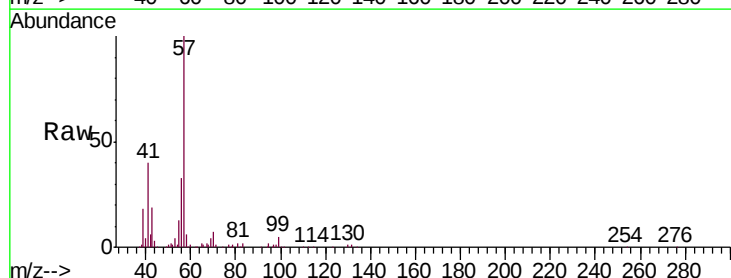
Instrument :
MSVOA_L
ClientSampleId :
1A-3

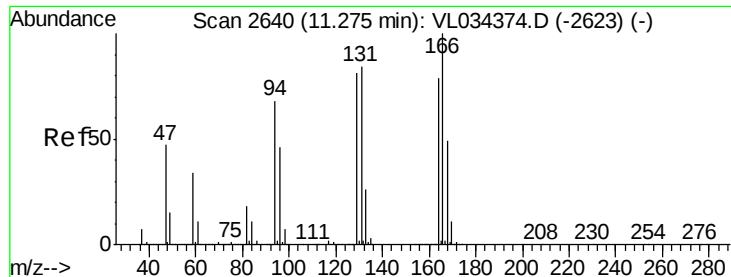
Tgt Ion: 42 Resp: 11270
Ion Ratio Lower Upper
42 100
72 76.5 30.2 45.4#
71 0.0 29.4 44.2#



#44
2,2,4-Trimethylpentane
Concen: 1.221 ppbv
RT: 7.90 min Scan# 1589
Delta R.T. -0.01 min
Lab File: VL034484.D
Acq: 10 Dec 2019 4:07

Tgt Ion: 57 Resp: 372238
Ion Ratio Lower Upper
57 100
41 45.0 28.6 42.8#
56 39.6 25.3 37.9#





#52

Tetrachloroethene

Concen: 0.103 ppbv

RT: 11.27 min Scan# 2637

Delta R.T. -0.01 min

Lab File: VL034484.D

Acq: 10 Dec 2019 4:07

Instrument :

MSVOA_L

ClientSampleId :

1A-3

Tgt Ion:164 Resp: 7451

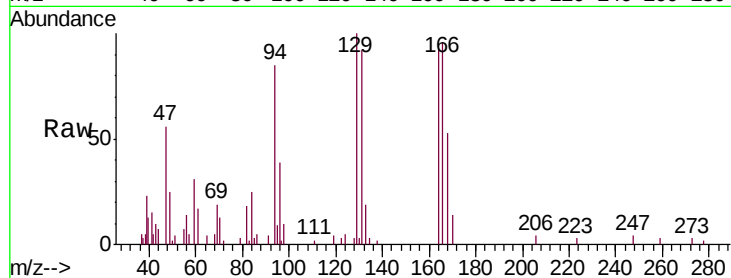
Ion Ratio Lower Upper

164 100

166 91.7 101.7 152.5#

129 96.0 82.6 123.8

131 94.9 85.2 127.8

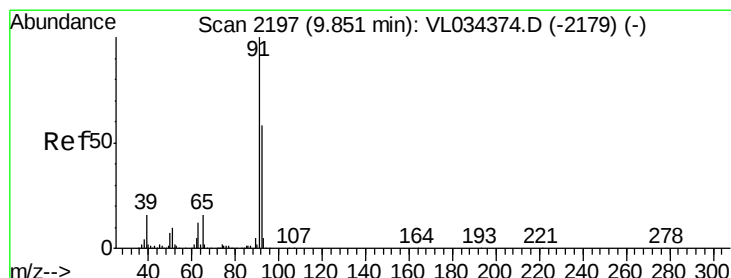
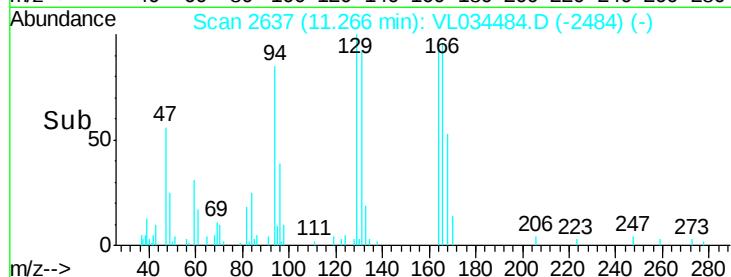
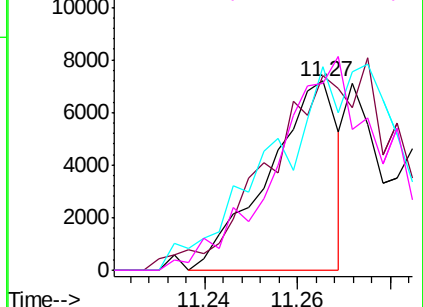


Abundance Ion 163.90 (163.60 to 164.60): V

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: 6.264 ppbv

RT: 9.84 min Scan# 2195

Delta R.T. -0.01 min

Lab File: VL034484.D

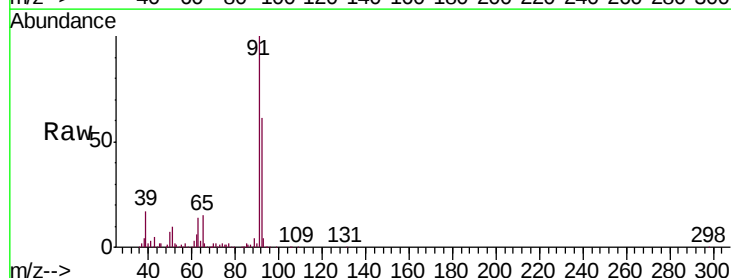
Acq: 10 Dec 2019 4:07

Tgt Ion: 91 Resp: 1186955

Ion Ratio Lower Upper

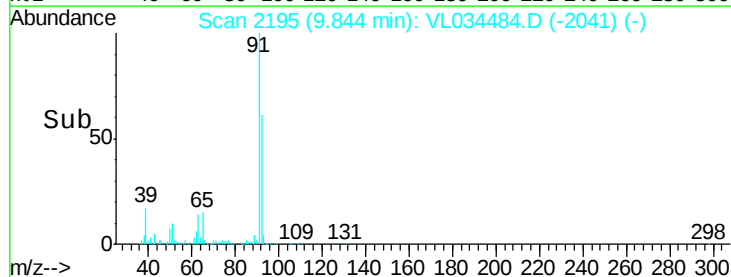
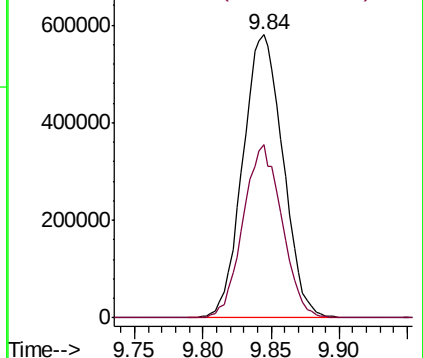
91 100

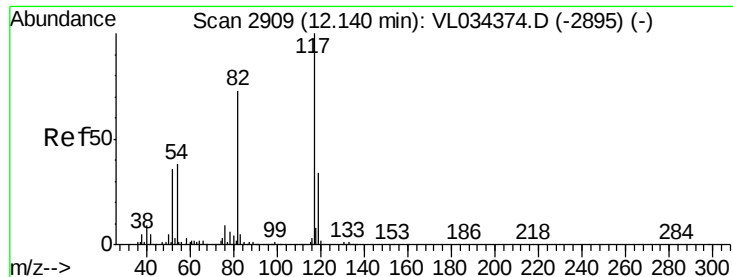
92 59.2 47.9 71.9



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: 12.13 min Scan# 2907

Delta R.T. -0.01 min

Lab File: VL034484.D

Acq: 10 Dec 2019 4:07

Instrument :

MSVOA_L

ClientSampleId :

1A-3

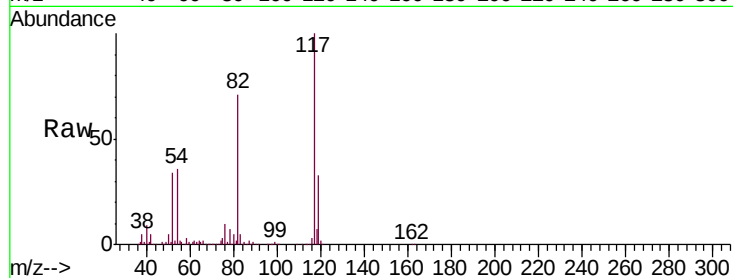
Tgt Ion: 117 Resp: 1691136

Ion	Ratio	Lower	Upper
117	100		
82	71.3	57.5	86.3
119	33.2	25.4	38.2

117 100

82 71.3 57.5 86.3

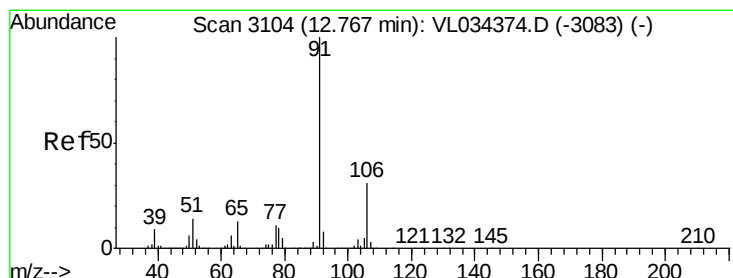
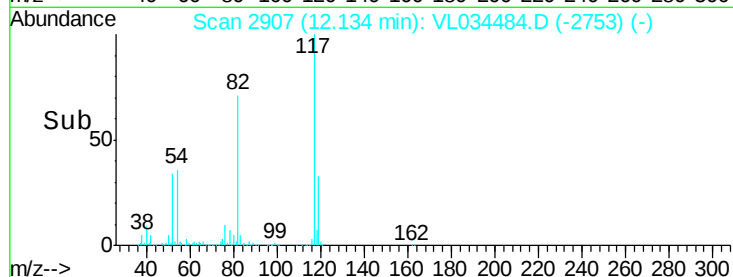
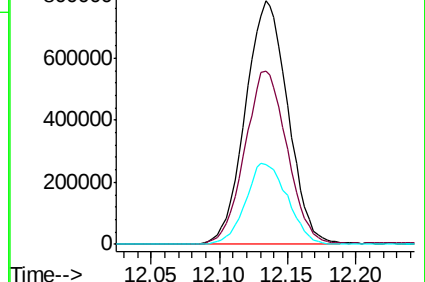
119 33.2 25.4 38.2



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: 1.308 ppbv

RT: 12.76 min Scan# 3102

Delta R.T. -0.01 min

Lab File: VL034484.D

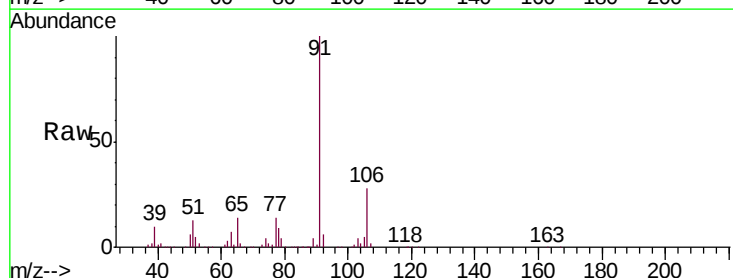
Acq: 10 Dec 2019 4:07

Tgt Ion: 91 Resp: 343316

Ion	Ratio	Lower	Upper
91	100		
106	28.1	24.8	37.2

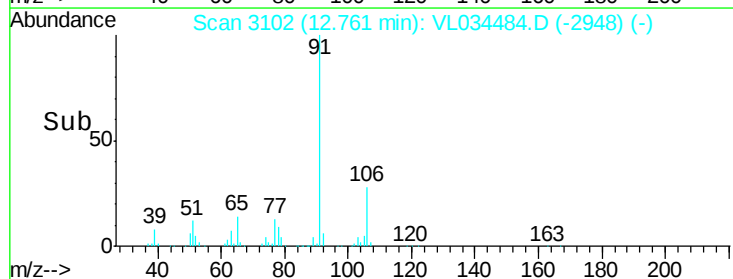
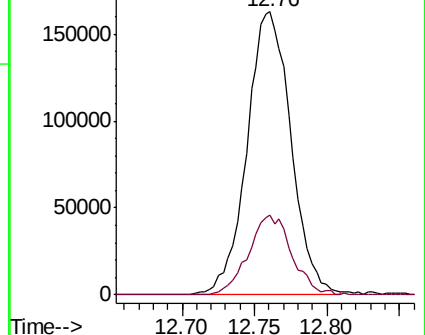
91 100

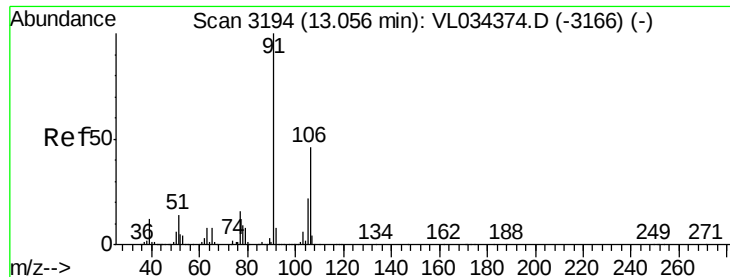
106 28.1 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

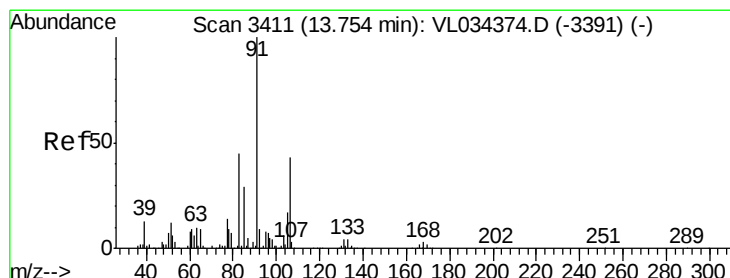
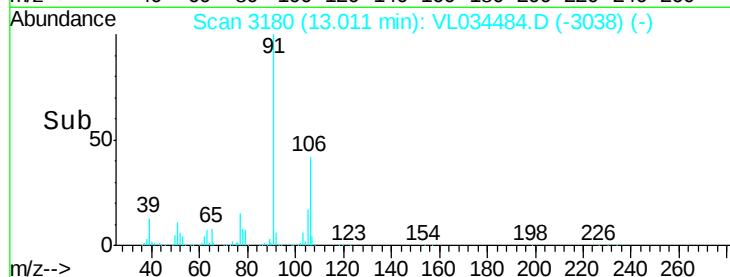
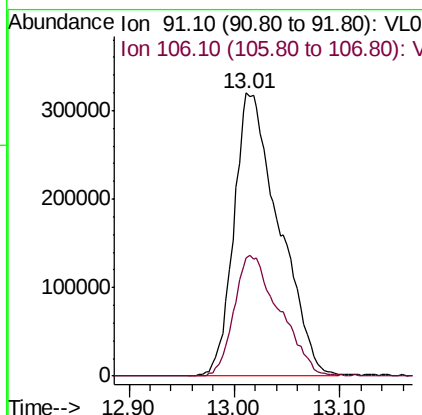
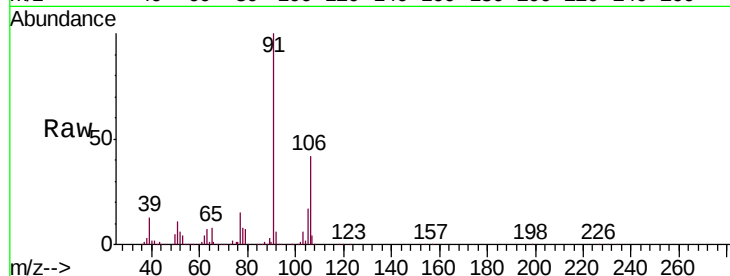




#59
m/p-Xylene
Concen: 4.202 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. -0.05 min
Lab File: VL034484.D
Acq: 10 Dec 2019 4:07

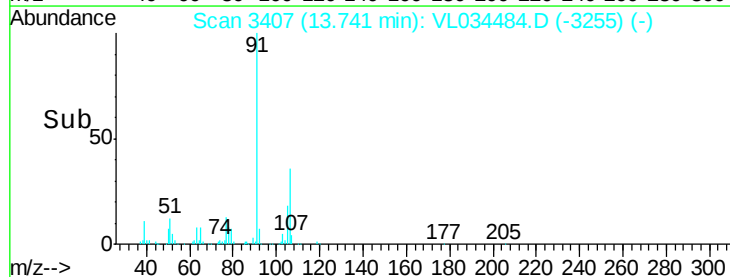
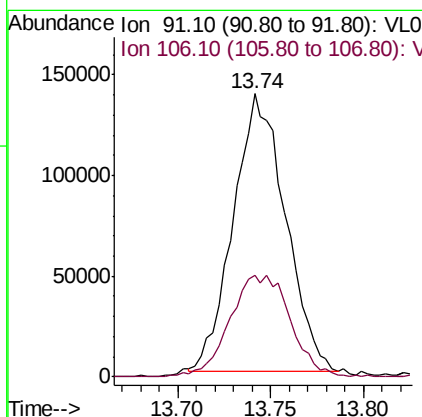
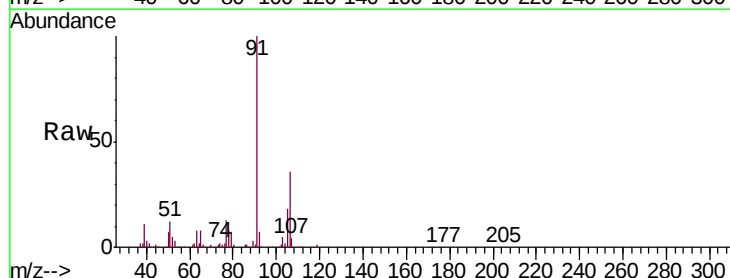
Instrument :
MSVOA_L
ClientSampleId :
1A-3

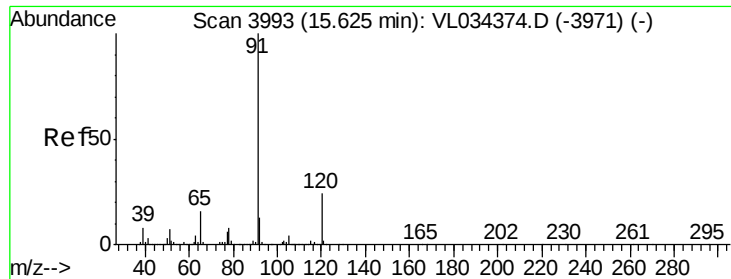
Tgt Ion: 91 Resp: 953243
Ion Ratio Lower Upper
91 100
106 42.9 34.6 51.8



#60
o-Xylene
Concen: 1.192 ppbv
RT: 13.74 min Scan# 3407
Delta R.T. -0.01 min
Lab File: VL034484.D
Acq: 10 Dec 2019 4:07

Tgt Ion: 91 Resp: 267435
Ion Ratio Lower Upper
91 100
106 42.7 21.3 64.0

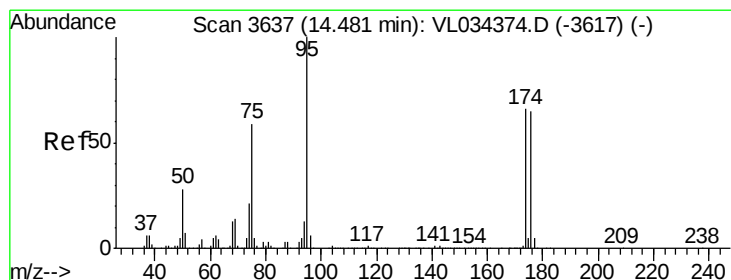
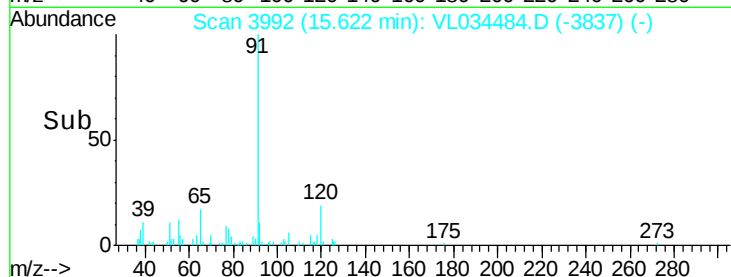
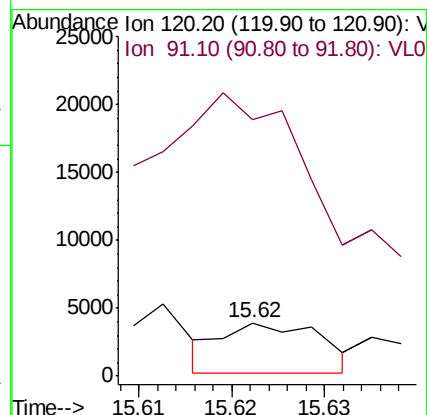
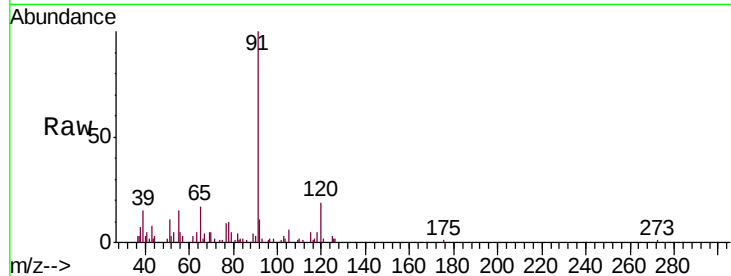




#64
n-propylbenzene
Concen: 0.035 ppbv
RT: 15.62 min Scan# 3992
Delta R.T. -0.00 min
Lab File: VL034484.D
Acq: 10 Dec 2019 4:07

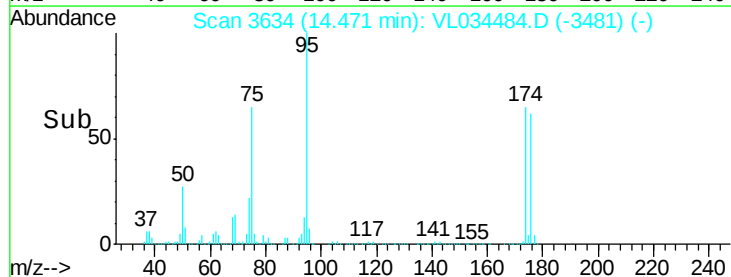
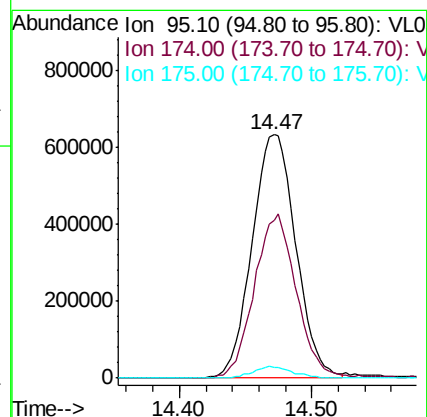
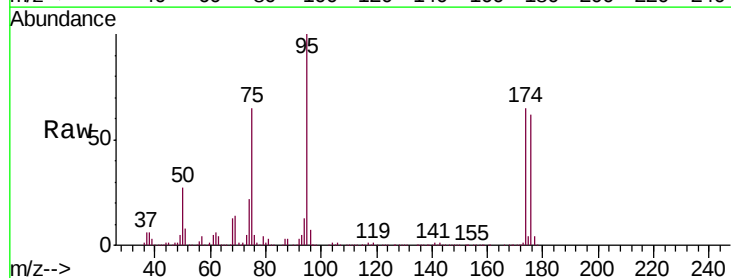
Instrument :
MSVOA_L
ClientSampleId :
1A-3

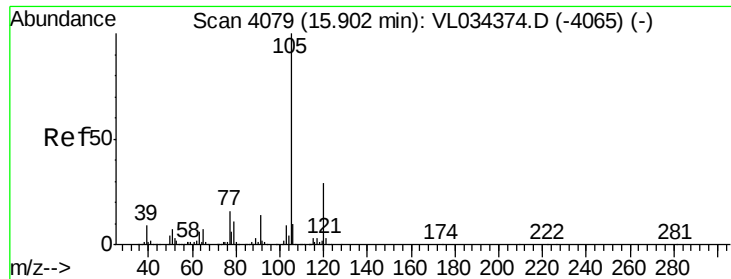
Tgt Ion: 120 Resp: 2733
Ion Ratio Lower Upper
120 100
91 1728.6 370.9 556.3#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.224 ppbv
RT: 14.47 min Scan# 3634
Delta R.T. -0.01 min
Lab File: VL034484.D
Acq: 10 Dec 2019 4:07

Tgt Ion: 95 Resp: 1454546
Ion Ratio Lower Upper
95 100
174 65.2 52.2 78.2
175 4.4 3.8 5.8





#72

4-Ethyltoluene

Concen: 0.113 ppbv

RT: 15.90 min Scan# 4077

Delta R.T. -0.01 min

Lab File: VL034484.D

Acq: 10 Dec 2019 4:07

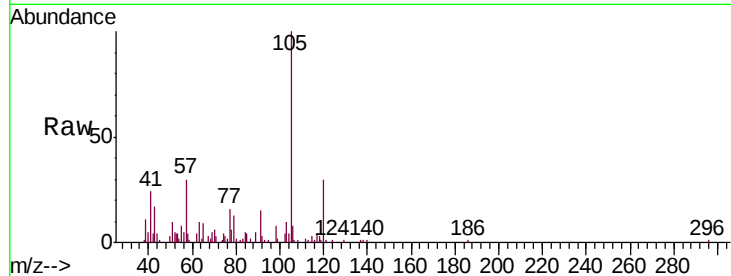
Instrument :

MSVOA_L

ClientSampleId :

1A-3

Tgt Ion:	105	Resp:	29338
Ion Ratio	Lower	Upper	
105	100		
120	52.6	23.5	35.3#
91	31.6	11.4	17.0#
77	0.0	12.6	19.0#

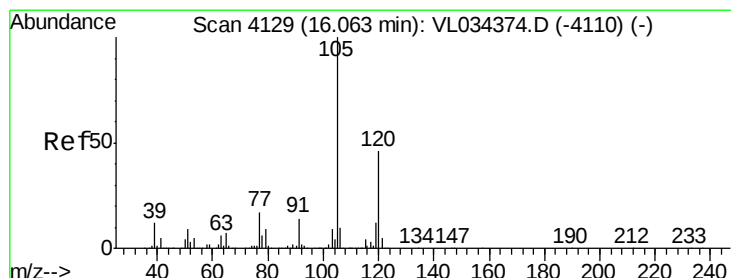
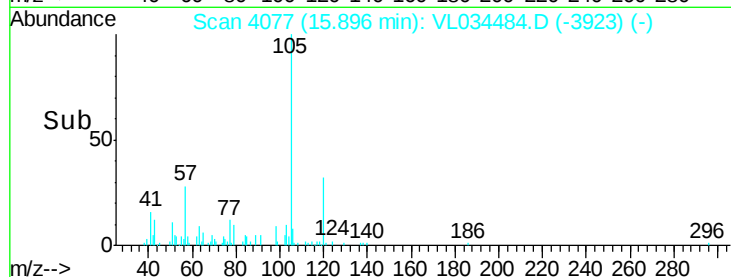
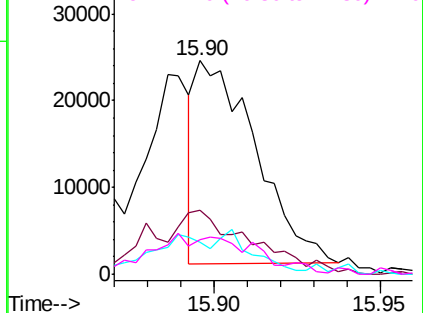


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.186 ppbv

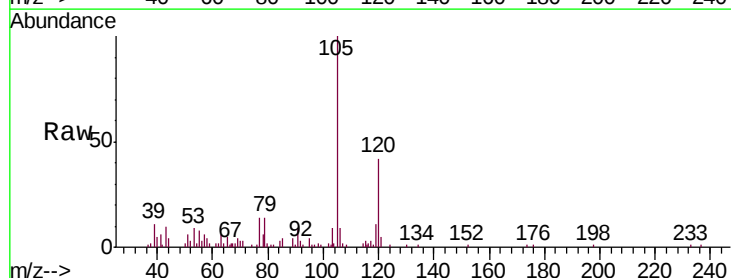
RT: 16.05 min Scan# 4126

Delta R.T. -0.01 min

Lab File: VL034484.D

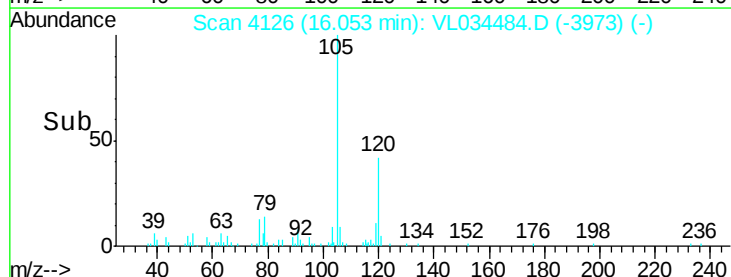
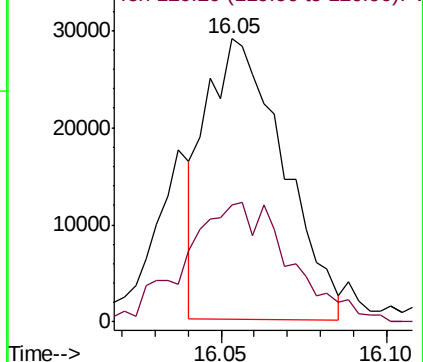
Acq: 10 Dec 2019 4:07

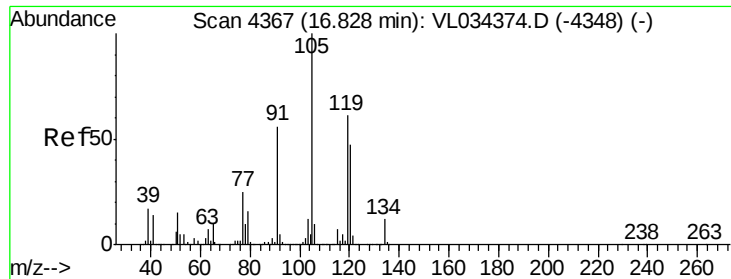
Tgt Ion:	105	Resp:	47058
Ion Ratio	Lower	Upper	
105	100		
120	38.4	37.1	55.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.433 ppbv

RT: 16.82 min Scan# 4363

Delta R.T. -0.01 min

Lab File: VL034484.D

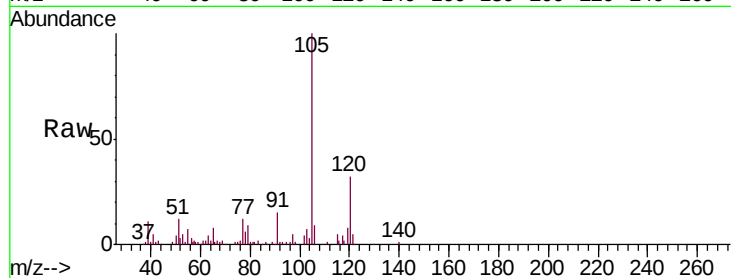
Acq: 10 Dec 2019 4:07

Instrument :

MSVOA_L

ClientSampleId :

1A-3



Tgt Ion:	105	Resp:	116578
Ion	Ratio	Lower	Upper
105	100		
120	31.9	37.4	56.0#
91	14.4	46.3	69.5#
77	12.5	20.6	30.8#

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

