

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
 Data File : VL034480.D
 Acq On : 10 Dec 2019 1:27
 Operator : SY/AP
 Sample : K6181-01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1A-1

Quant Time: Dec 10 03:42:41 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	5.68	49	844195	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1692930	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1744553	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1521618	10.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.96	51	53338	0.506	ppbv	94
4) Chloromethane	3.11	50	25522	0.411	ppbv #	85
9) Propene	2.98	41	177129	3.788	ppbv	95
10) Heptane	8.15	43	195702	1.622	ppbv	100
11) Trichlorofluoromethane	3.94	101	37147	0.244	ppbv	94
13) Ethanol	3.60	45	247054	18.966	ppbv	96
15) Acetone	3.83	43	515386	4.263	ppbv	100
16) 1,3-Butadiene	3.33	39	171881	3.264	ppbv #	18
19) Isopropyl Alcohol	3.97	45	232267	2.998	ppbv #	95
20) Methylene Chloride	4.34	84	55216	1.288	ppbv	98
21) Allyl Chloride	4.36	41	25424	0.351	ppbv #	52
23) Vinyl Acetate	5.06	43	34692	0.220	ppbv #	1
25) Ethyl Acetate	5.69	43	131818	0.611	ppbv #	80
26) Hexane	5.69	57	163748	1.767	ppbv #	39
30) Cyclohexane	7.15	84	28491	0.407	ppbv #	41
34) 2-Butanone	5.25	43	106026	0.761	ppbv	97
35) Carbon Tetrachloride	7.04	117	9516	0.065	ppbv #	81
36) Benzene	6.91	78	311798	1.842	ppbv #	91
38) Trichloroethene	7.86	130	31266	0.450	ppbv	97
39) 1,2-Dichloropropane	7.20	63	499148	7.656	ppbv #	24
41) Tetrahydrofuran	6.08	42	22244	0.285	ppbv	96
42) Bromodichloromethane	7.82	83	4945	0.031	ppbv #	24
44) 2,2,4-Trimethylpentane	7.90	57	257162	0.831	ppbv #	59
50) 4-Methyl-2-Pentanone	8.79	43	6798	0.034	ppbv #	54
51) 2-Hexanone	10.15	43	48914	0.290	ppbv #	30
52) Tetrachloroethene	11.27	164	4322	0.059	ppbv #	58
53) Toluene	9.84	91	930925	4.843	ppbv	98
58) Ethyl Benzene	12.76	91	386878	1.429	ppbv	90
59) m/p-Xylene	13.02	91	986952	4.217	ppbv	99
60) o-Xylene	13.74	91	350970	1.517	ppbv	96
62) Isopropylbenzene	14.73	105	15786	0.052	ppbv #	26
64) n-propylbenzene	15.62	120	13003	0.164	ppbv #	1
65) tert-Butylbenzene	16.82	119	60806	0.221	ppbv #	40
67) sec-Butylbenzene	17.36	105	30192	0.079	ppbv #	68
69) p-Isopropyltoluene	17.72	119	11117	0.035	ppbv #	45
70) n-Butylbenzene	18.61	91	40859	0.119	ppbv #	33
72) 4-Ethyltoluene	15.90	105	160697	0.601	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.06	105	102457	0.392	ppbv	96
74) 1,2,4-Trimethylbenzene	16.82	105	638731	2.298	ppbv #	65
80) Naphthalene,2-methyl-	25.03	142	3457	0.032	ppbv	99

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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

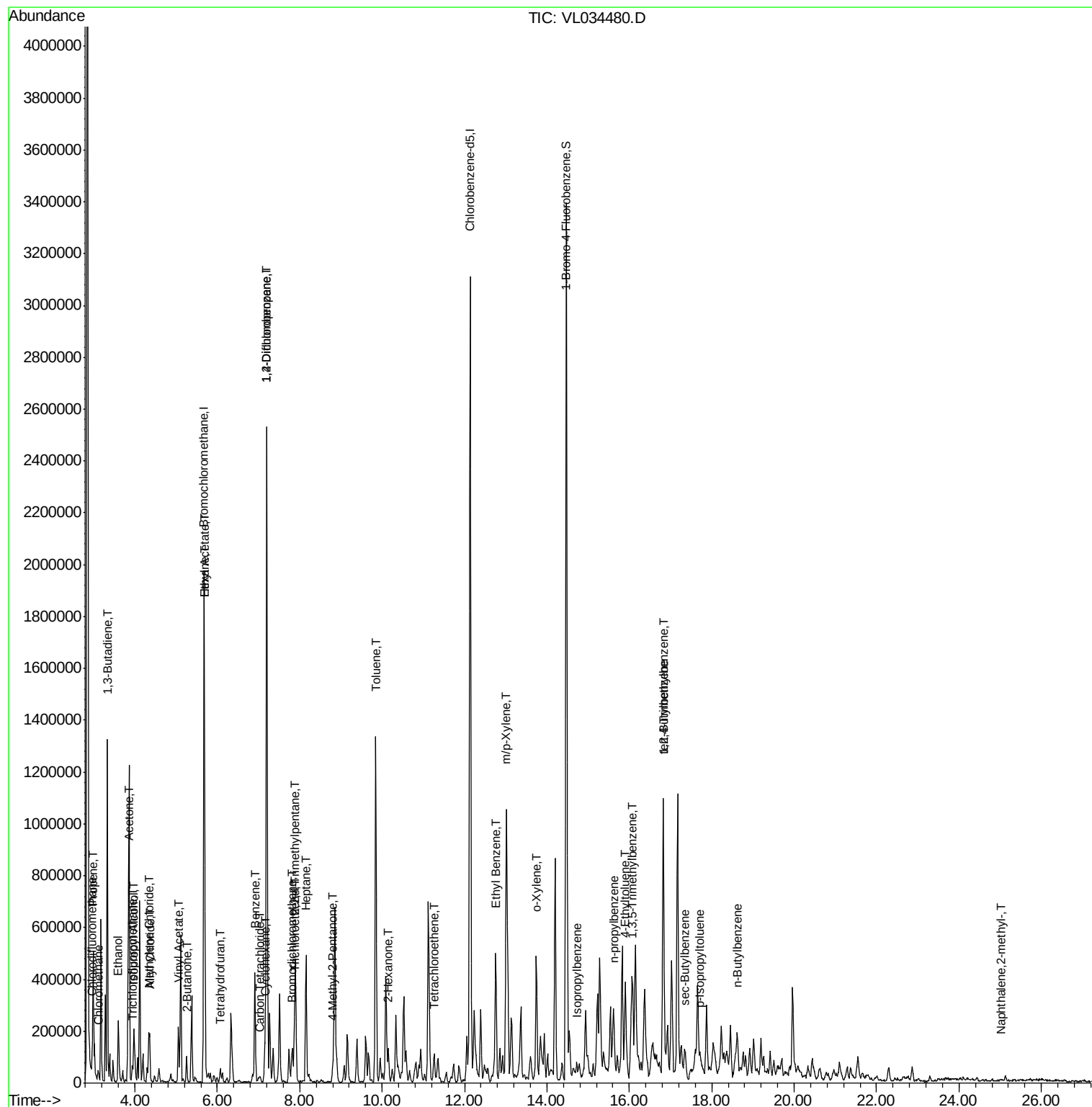
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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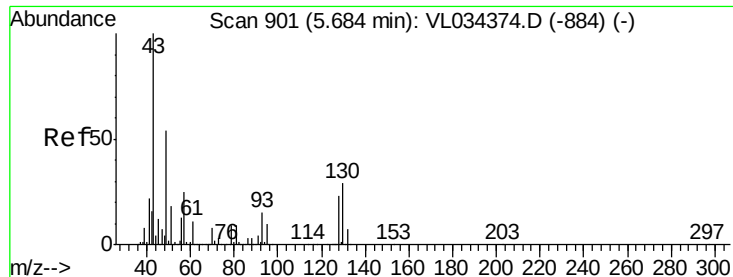
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL034480.D

Acq: 10 Dec 2019 1:27

Instrument :

MSVOA_L

ClientSampleId :

1A-1

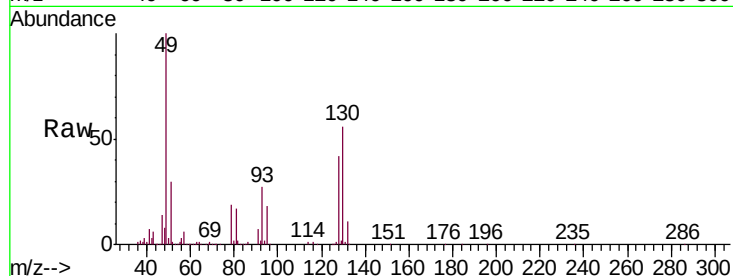
Tgt Ion: 49 Resp: 844195

Ion Ratio Lower Upper

49 100

128 42.1 21.8 65.3

130 54.2 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

5.68

600000

500000

400000

300000

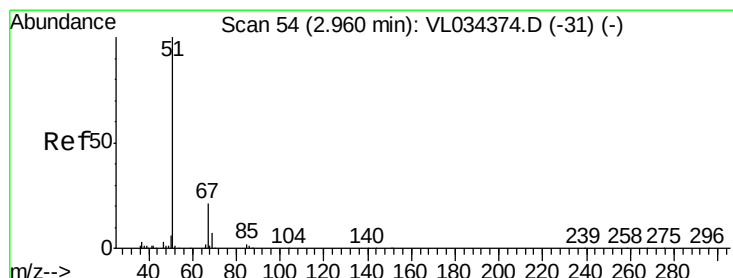
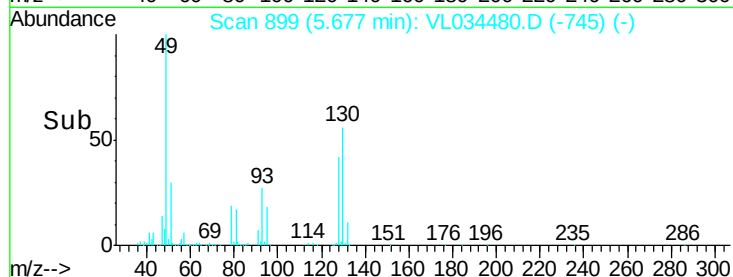
200000

100000

0

5.60 5.65 5.70 5.75

Time-->



#3

Chlorodifluoromethane

Concen: 0.506 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.00 min

Lab File: VL034480.D

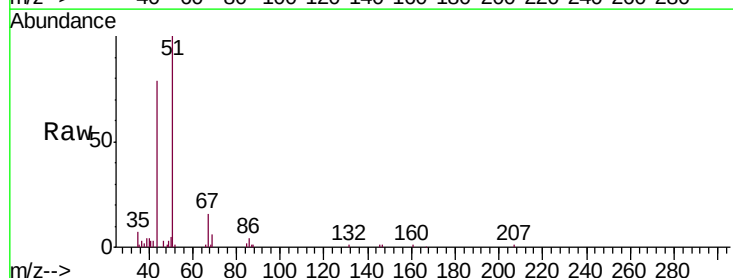
Acq: 10 Dec 2019 1:27

Tgt Ion: 51 Resp: 53338

Ion Ratio Lower Upper

51 100

67 17.6 16.2 24.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.96

40000

30000

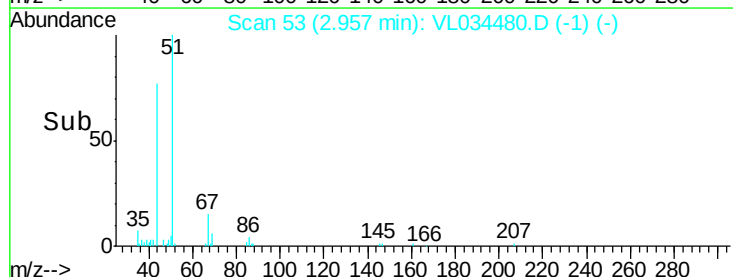
20000

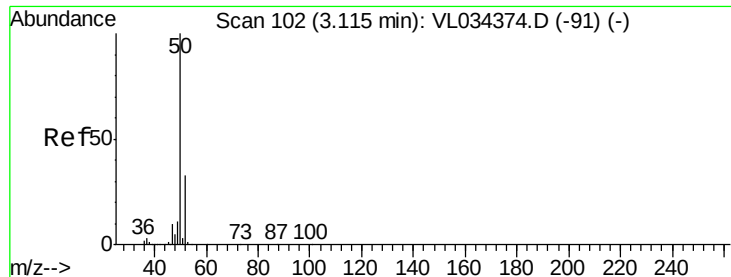
10000

0

2.90 2.95 3.00

Time-->





#4

Chloromethane

Concen: 0.411 ppbv

RT: 3.11 min Scan# 100

Delta R.T. -0.01 min

Lab File: VL034480.D

Acq: 10 Dec 2019 1:27

Instrument :

MSVOA_L

ClientSampleId :

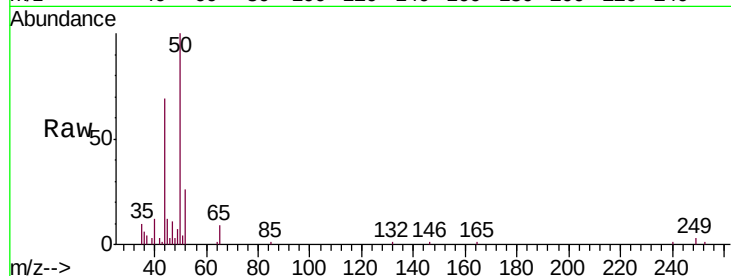
1A-1

Tgt Ion: 50 Resp: 25522

Ion Ratio Lower Upper

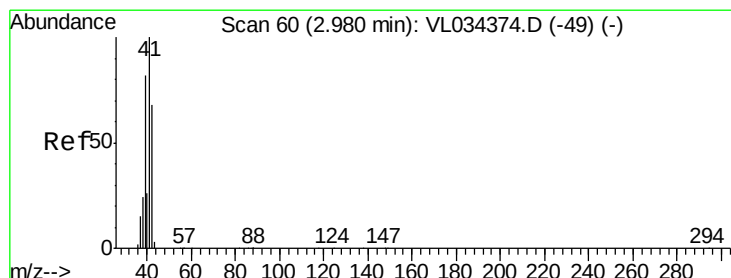
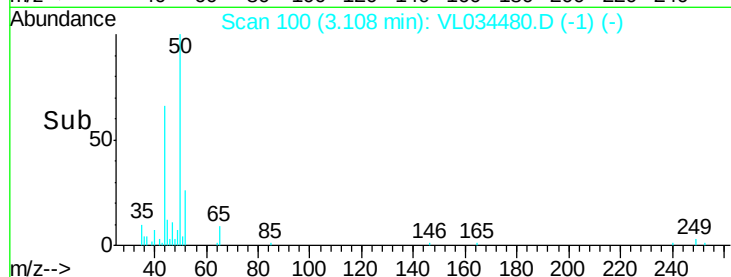
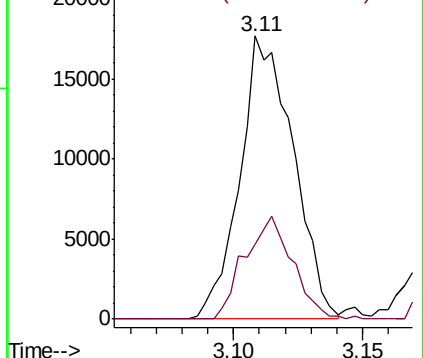
50 100

52 25.2 26.8 40.2#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 3.788 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL034480.D

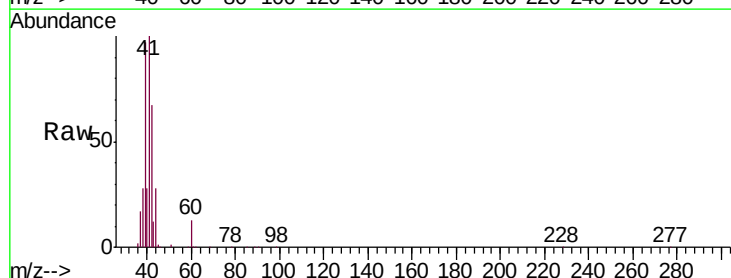
Acq: 10 Dec 2019 1:27

Tgt Ion: 41 Resp: 177129

Ion Ratio Lower Upper

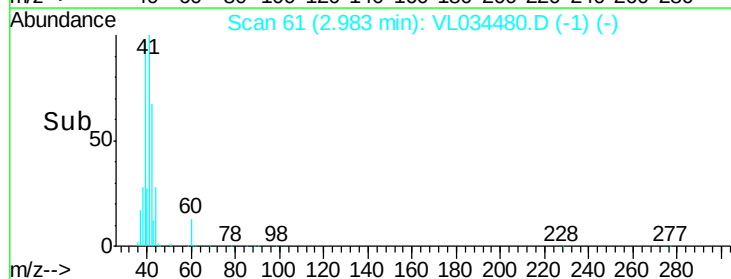
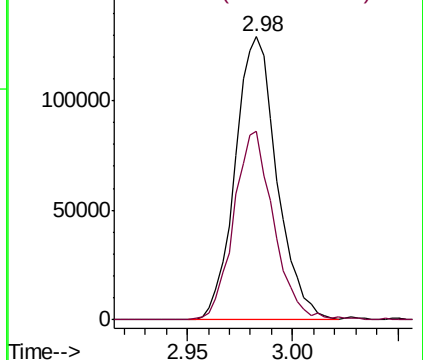
41 100

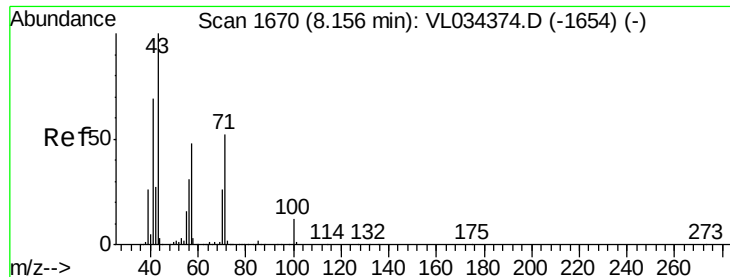
42 64.2 54.6 82.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 1.622 ppbv

RT: 8.15 min Scan# 1669

Delta R.T. -0.00 min

Lab File: VL034480.D

Acq: 10 Dec 2019 1:27

Instrument :

MSVOA_L

ClientSampleId :

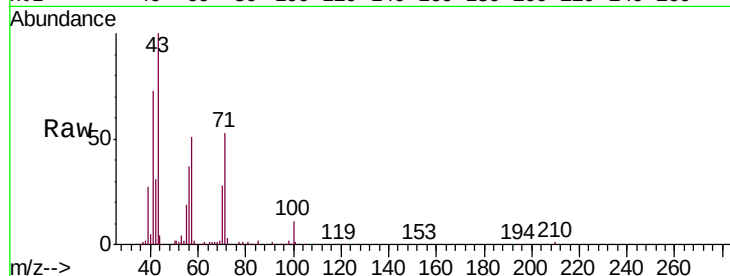
1A-1

Tgt Ion: 43 Resp: 195702

Ion Ratio Lower Upper

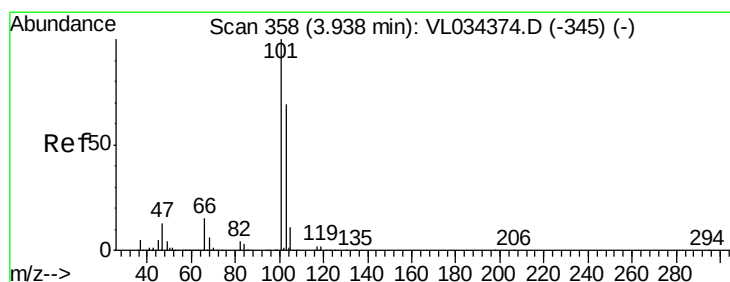
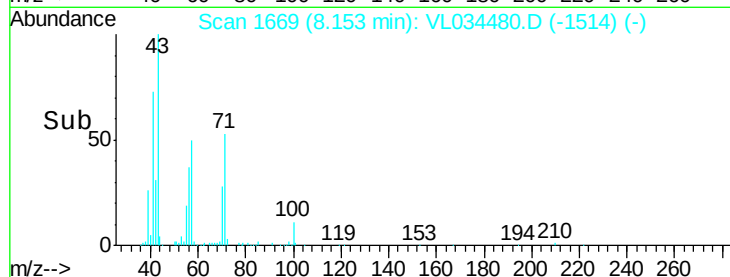
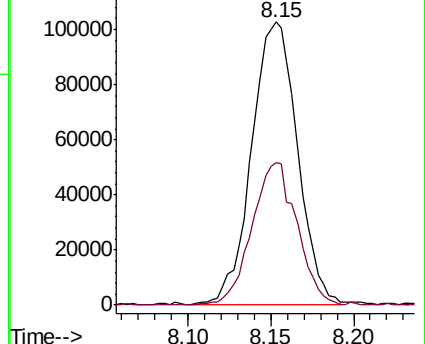
43 100

57 50.2 40.2 60.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.244 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.00 min

Lab File: VL034480.D

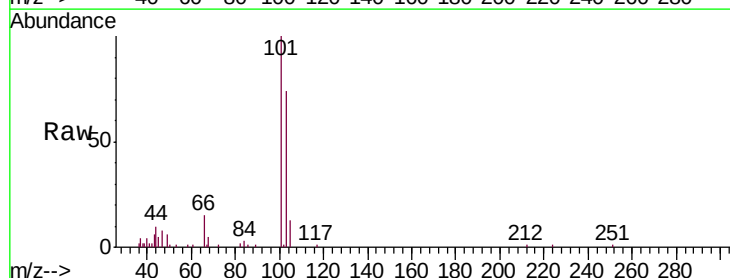
Acq: 10 Dec 2019 1:27

Tgt Ion: 101 Resp: 37147

Ion Ratio Lower Upper

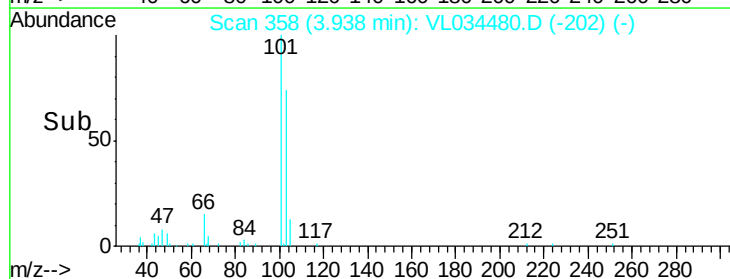
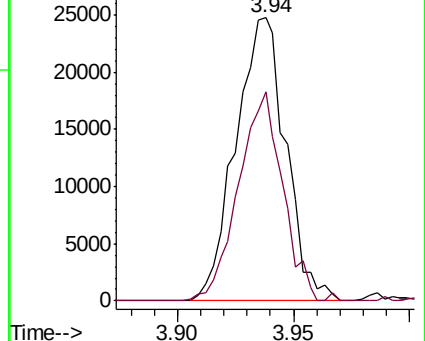
101 100

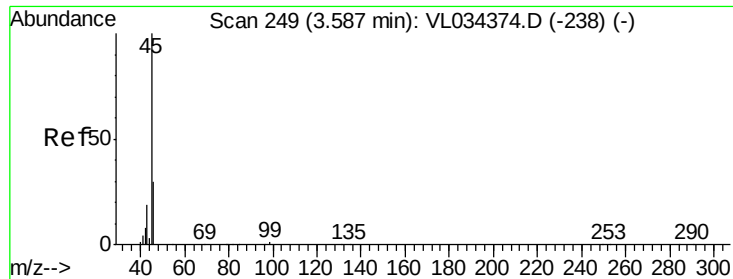
103 74.0 55.4 83.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#13

Ethanol

Concen: 18.966 ppbv

RT: 3.60 min Scan# 253

Delta R.T. 0.01 min

Lab File: VL034480.D

Acq: 10 Dec 2019 1:27

Instrument :

MSVOA_L

ClientSampleId :

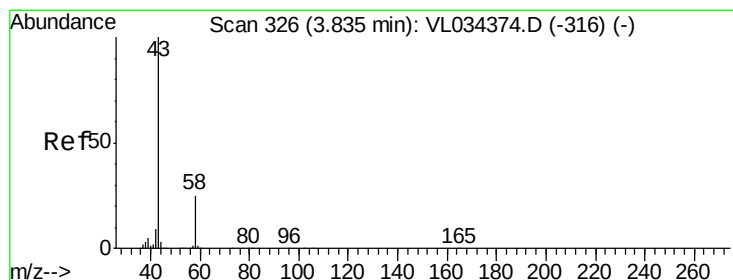
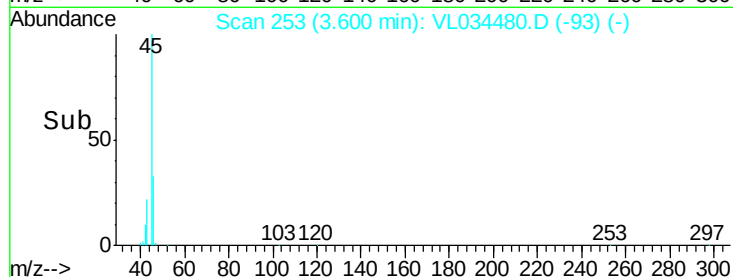
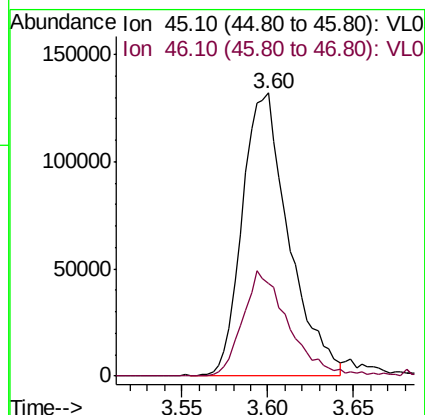
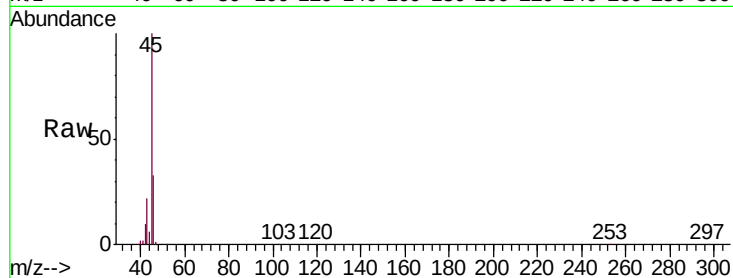
1A-1

Tgt Ion: 45 Resp: 247054

Ion Ratio Lower Upper

45 100

46 36.9 13.8 55.4



#15

Acetone

Concen: 4.263 ppbv

RT: 3.83 min Scan# 326

Delta R.T. 0.00 min

Lab File: VL034480.D

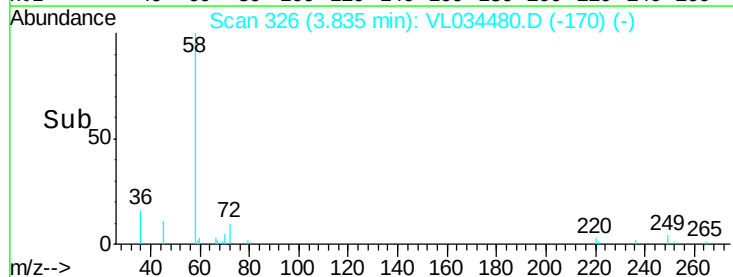
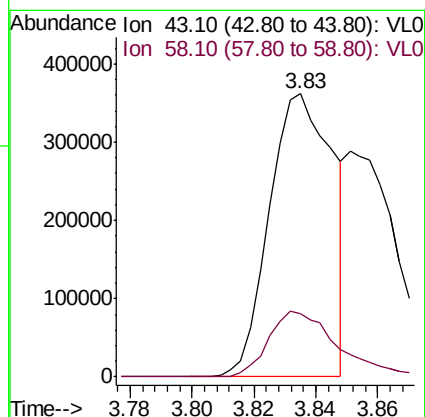
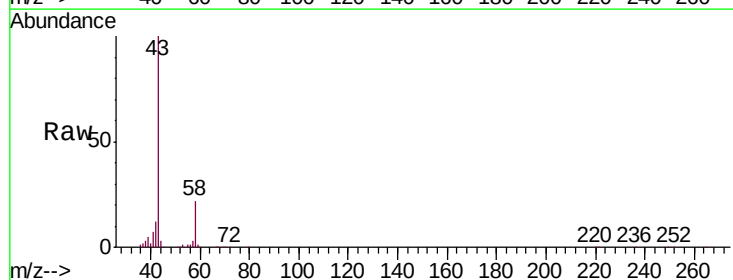
Acq: 10 Dec 2019 1:27

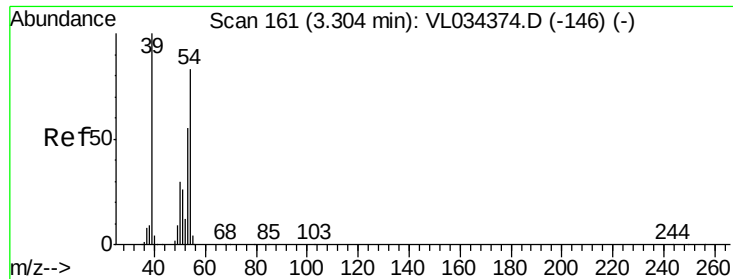
Tgt Ion: 43 Resp: 515386

Ion Ratio Lower Upper

43 100

58 25.5 20.2 30.4

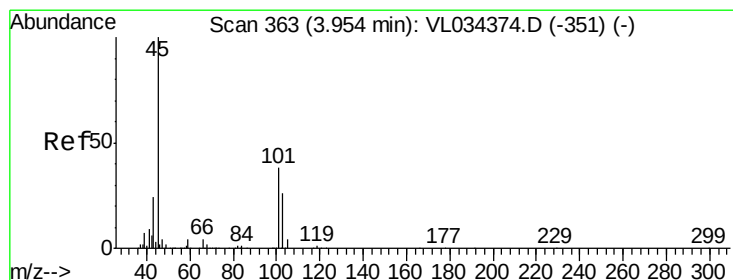
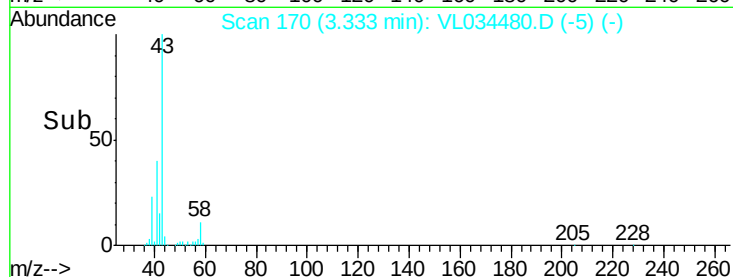
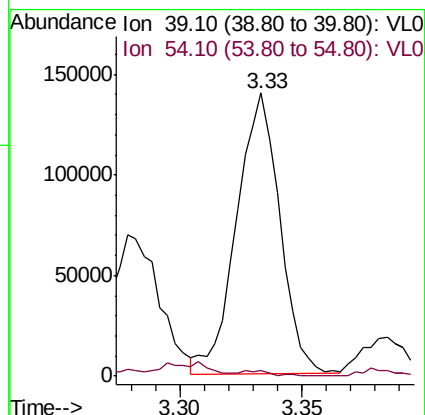
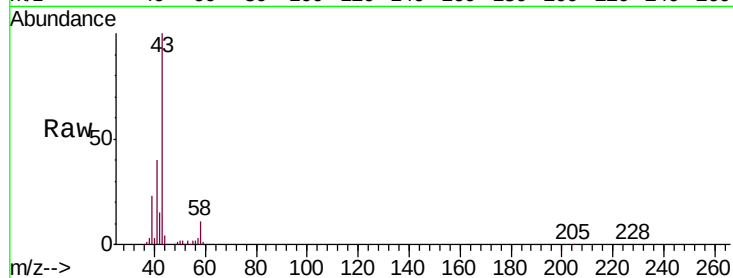




#16
 1,3-Butadiene
 Concen: 3.264 ppbv
 RT: 3.33 min Scan# 170
 Delta R.T. 0.03 min
 Lab File: VL034480.D
 Acq: 10 Dec 2019 1:27

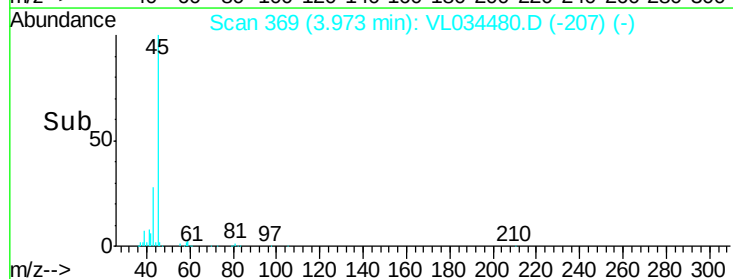
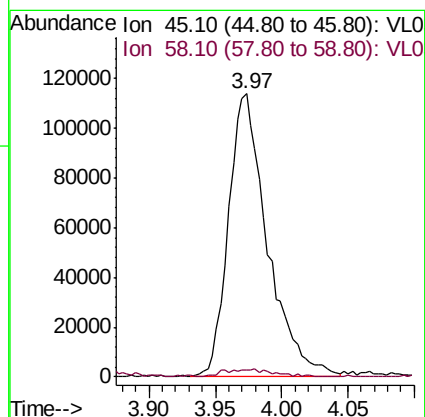
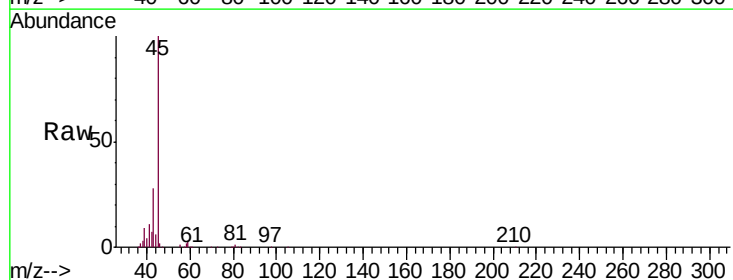
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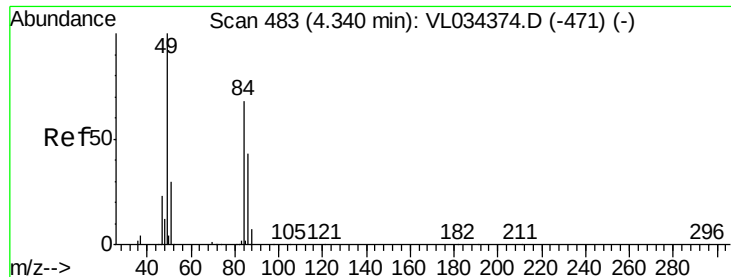
Tgt Ion: 39 Resp: 171881
 Ion Ratio Lower Upper
 39 100
 54 8.5 64.7 97.1#



#19
 Isopropyl Alcohol
 Concen: 2.998 ppbv
 RT: 3.97 min Scan# 369
 Delta R.T. 0.02 min
 Lab File: VL034480.D
 Acq: 10 Dec 2019 1:27

Tgt Ion: 45 Resp: 232267
 Ion Ratio Lower Upper
 45 100
 58 3.5 1.3 1.9#

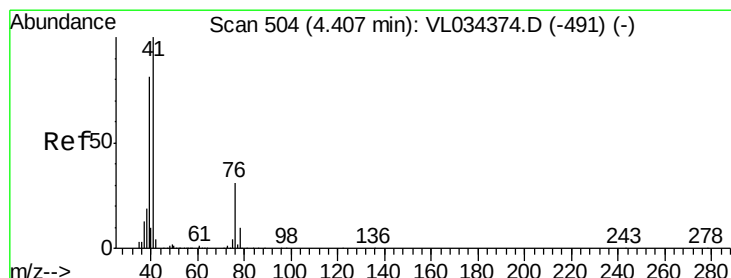
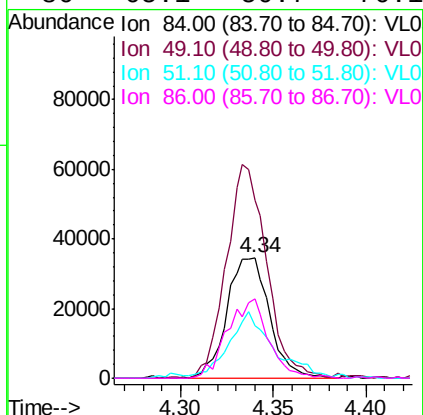
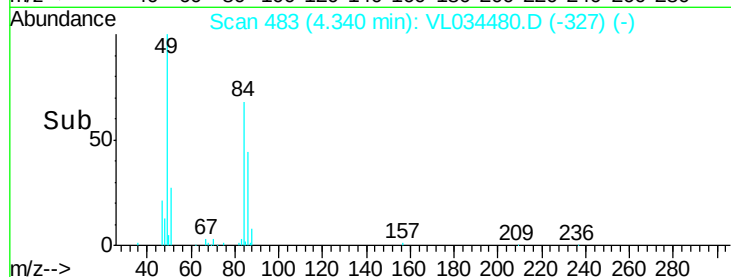
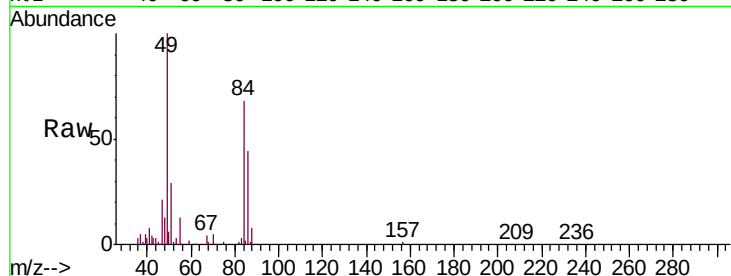




#20
Methylene Chloride
Concen: 1.288 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.00 min
Lab File: VL034480.D
Acq: 10 Dec 2019 1:27

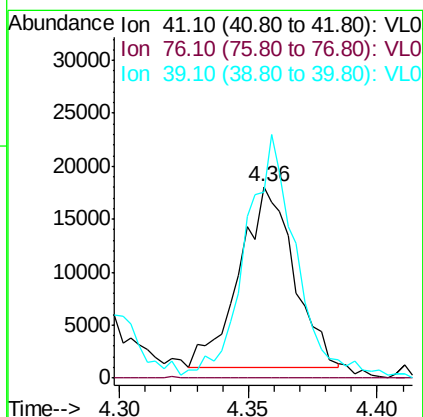
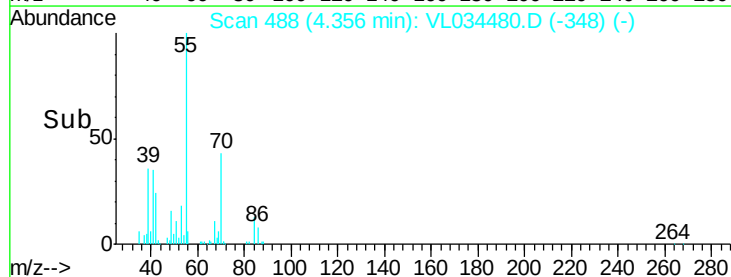
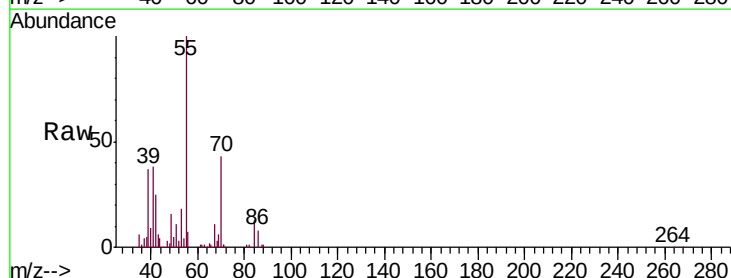
Instrument :
MSVOA_L
ClientSampleId :
1A-1

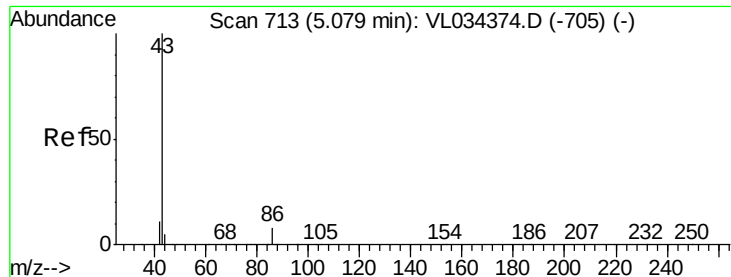
Tgt Ion:	84	Resp:	55216
Ion	Ratio	Lower	Upper
84	100		
49	147.5	116.8	175.2
51	41.4	35.6	53.4
86	65.1	50.7	76.1



#21
Allyl Chloride
Concen: 0.351 ppbv
RT: 4.36 min Scan# 488
Delta R.T. -0.05 min
Lab File: VL034480.D
Acq: 10 Dec 2019 1:27

Tgt Ion:	41	Resp:	25424
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.2	36.2#
39	124.8	66.9	100.3#

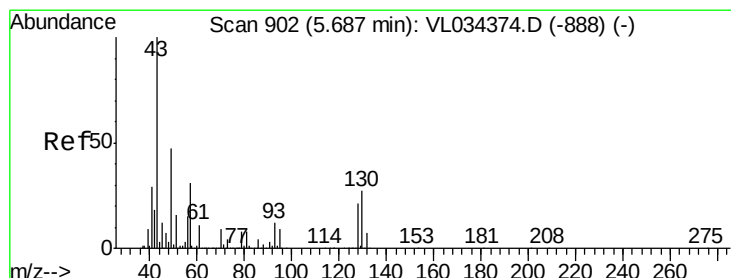
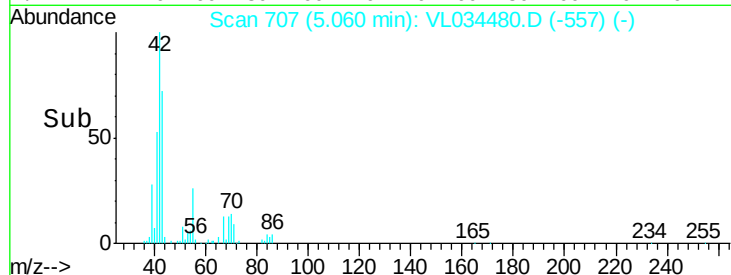
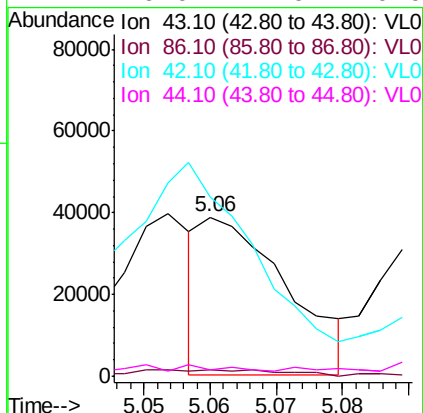
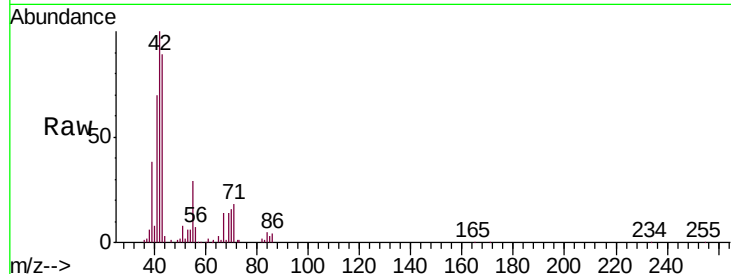




#23
 Vinyl Acetate
 Concen: 0.220 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. -0.02 min
 Lab File: VL034480.D
 Acq: 10 Dec 2019 1:27

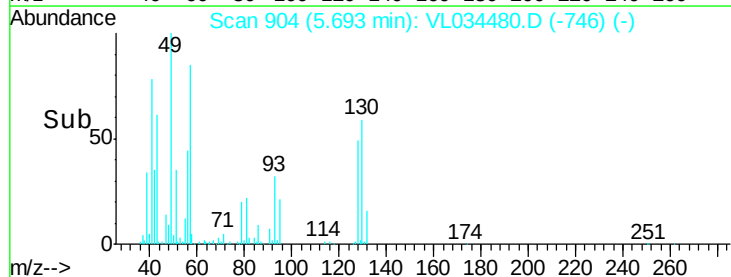
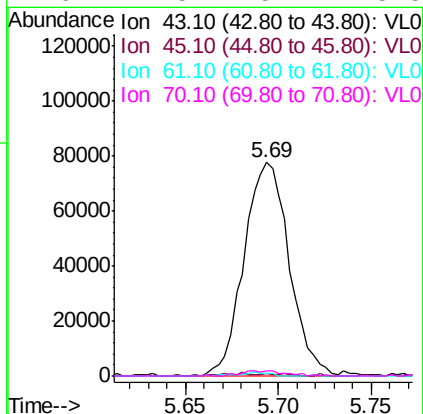
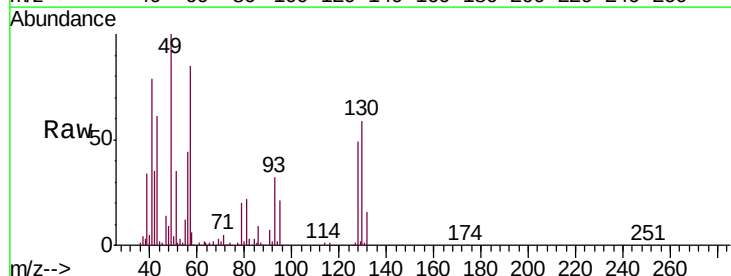
Instrument :
 MSVOA_L
 ClientSampleId :
 1A-1

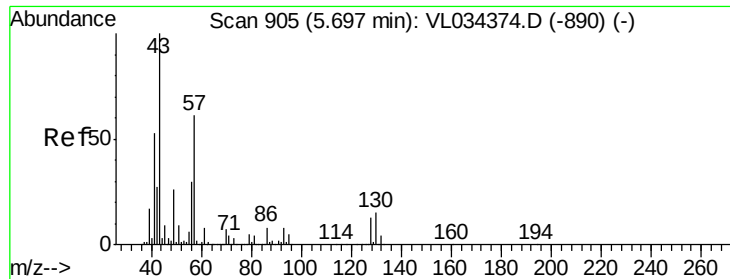
Tgt Ion:	43	Resp:	34692
Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.8	8.6
42	142.3	8.9	13.3#
44	0.0	4.0	6.0#



#25
 Ethyl Acetate
 Concen: 0.611 ppbv
 RT: 5.69 min Scan# 904
 Delta R.T. 0.01 min
 Lab File: VL034480.D
 Acq: 10 Dec 2019 1:27

Tgt Ion:	43	Resp:	131818
Ion	Ratio	Lower	Upper
43	100		
45	1.6	8.2	12.4#
61	1.3	7.5	11.3#
70	2.5	5.7	8.5#

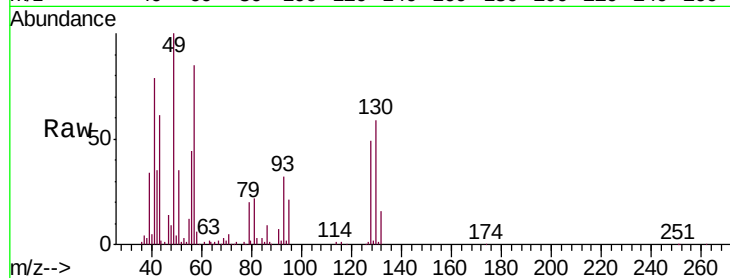




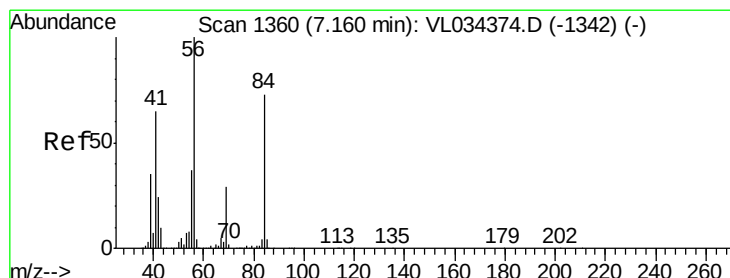
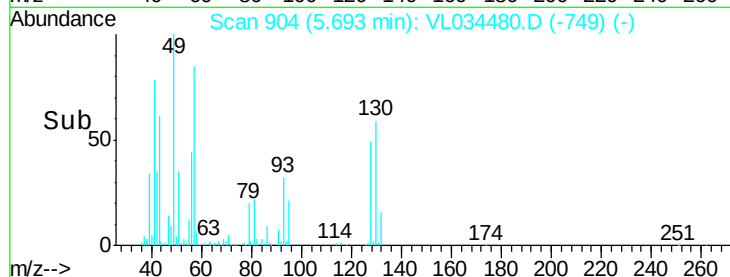
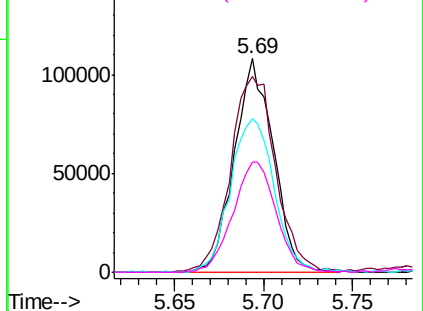
#26
Hexane
Concen: 1.767 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL034480.D
Acq: 10 Dec 2019 1:27

Instrument :
MSVOA_L
ClientSampleId :
1A-1

Tgt Ion: 57 Resp: 163748
Ion Ratio Lower Upper
57 100
41 107.3 75.0 112.4
43 81.5 186.6 279.8#
56 57.5 41.5 62.3

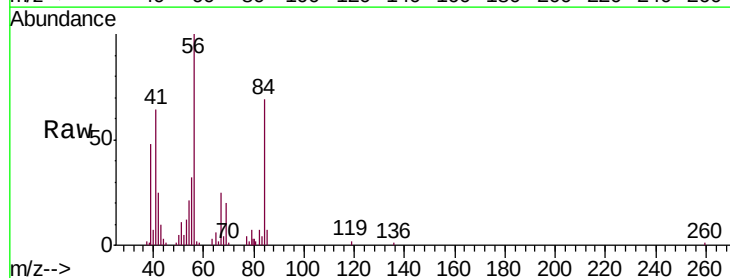


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

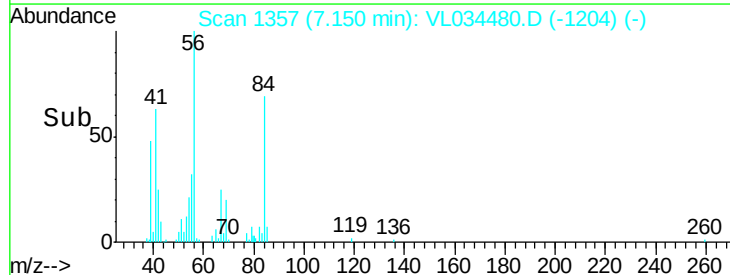
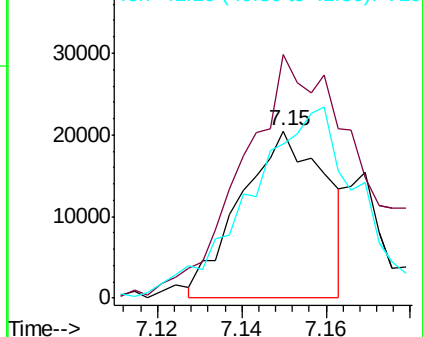


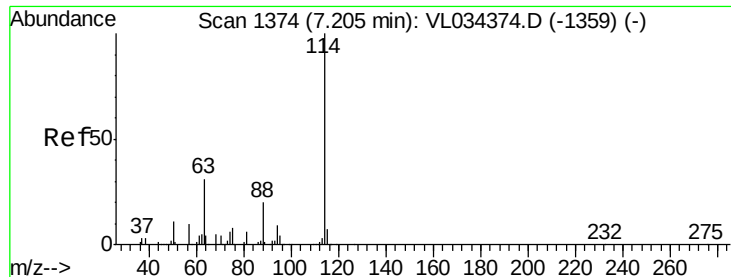
#30
Cyclohexane
Concen: 0.407 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VL034480.D
Acq: 10 Dec 2019 1:27

Tgt Ion: 84 Resp: 28491
Ion Ratio Lower Upper
84 100
56 183.5 112.6 169.0#
41 0.0 73.4 110.2#



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

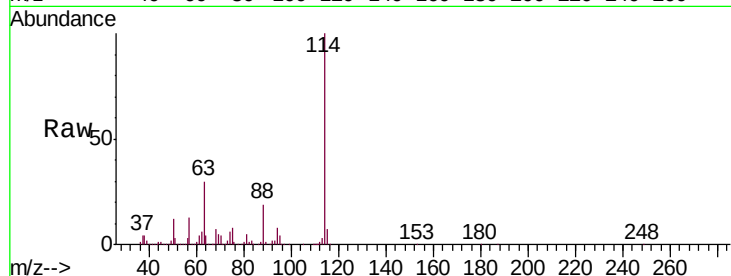




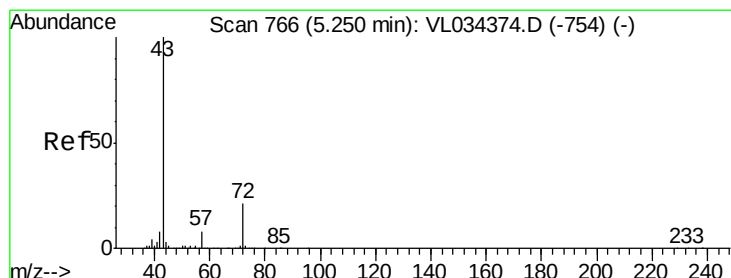
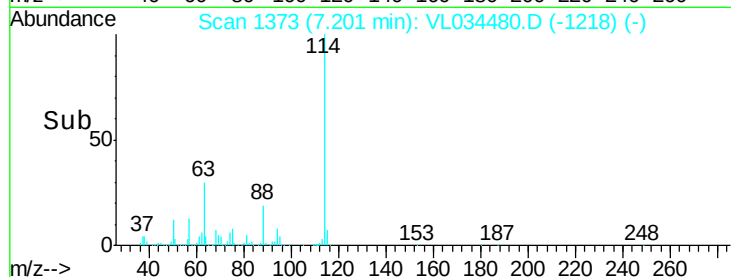
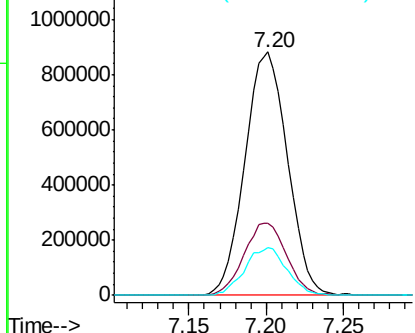
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1373
 Delta R.T. -0.00 min
 Lab File: VL034480.D
 Acq: 10 Dec 2019 1:27

Instrument :
 MSVOA_L
 ClientSampleId :
 1A-1

Tgt Ion: 114 Resp: 1692930
 Ion Ratio Lower Upper
 114 100
 63 29.8 24.2 36.4
 88 19.4 15.9 23.9

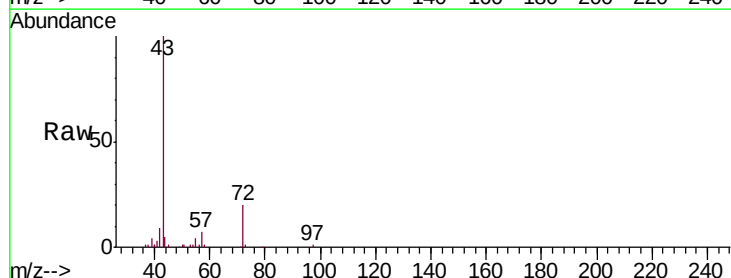


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

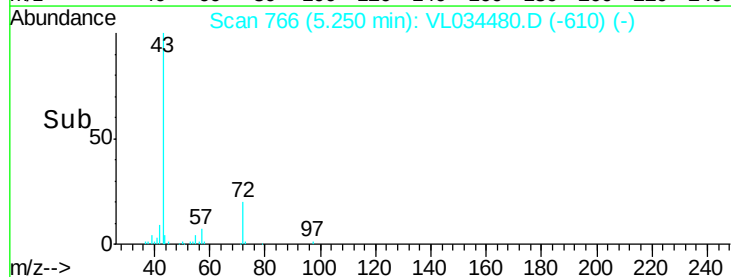
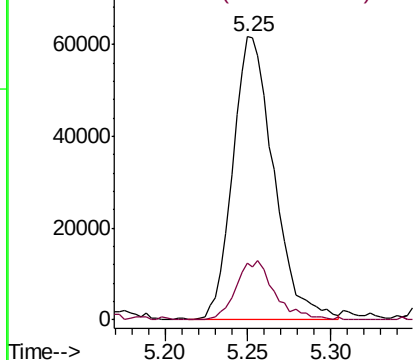


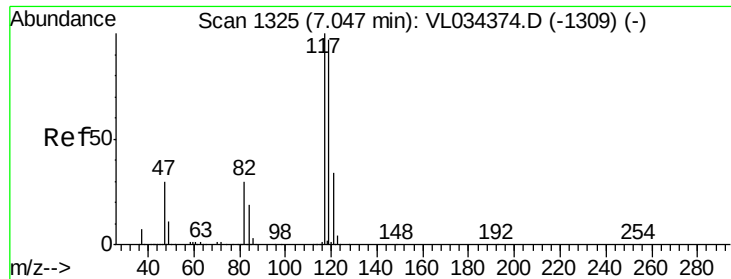
#34
 2-Butanone
 Concen: 0.761 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VL034480.D
 Acq: 10 Dec 2019 1:27

Tgt Ion: 43 Resp: 106026
 Ion Ratio Lower Upper
 43 100
 72 19.7 17.0 25.6



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





#35

Carbon Tetrachloride

Concen: 0.065 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VL034480.D

Acq: 10 Dec 2019 1:27

Instrument :

MSVOA_L

ClientSampleId :

1A-1

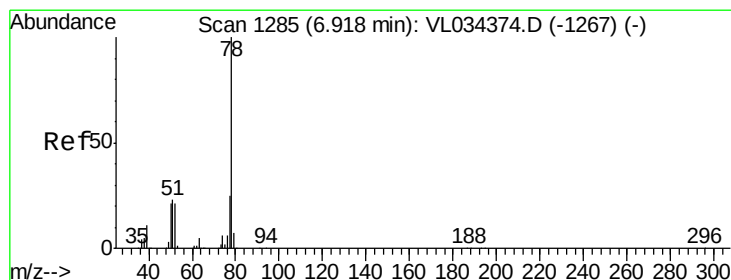
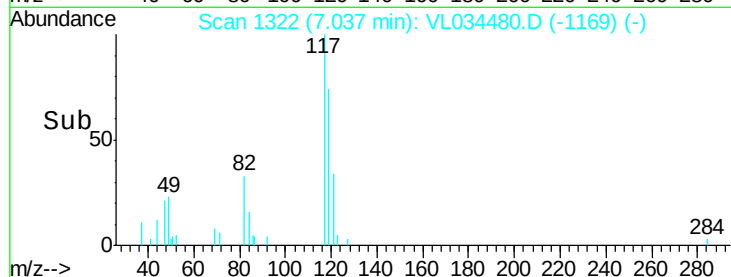
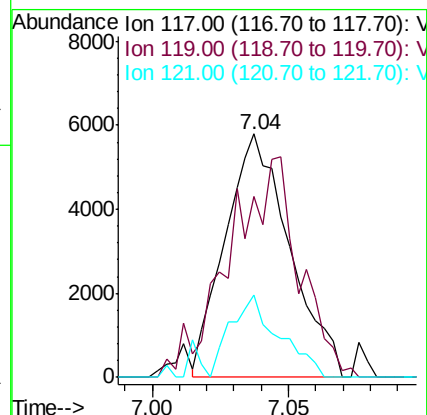
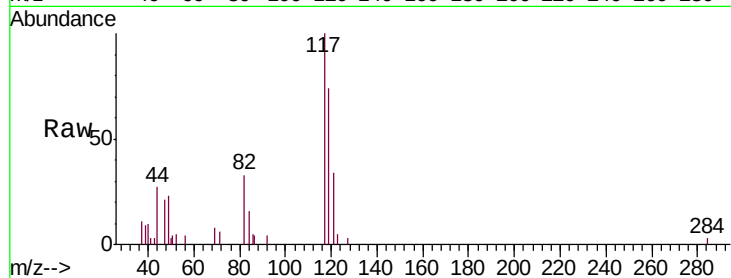
Tgt Ion:117 Resp: 9516

Ion Ratio Lower Upper

117 100

119 71.3 77.3 115.9#

121 34.0 27.4 41.2



#36

Benzene

Concen: 1.842 ppbv

RT: 6.91 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VL034480.D

Acq: 10 Dec 2019 1:27

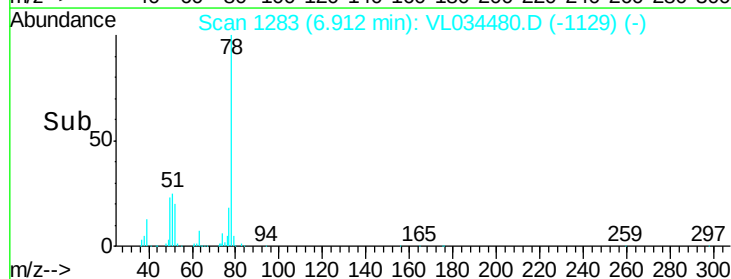
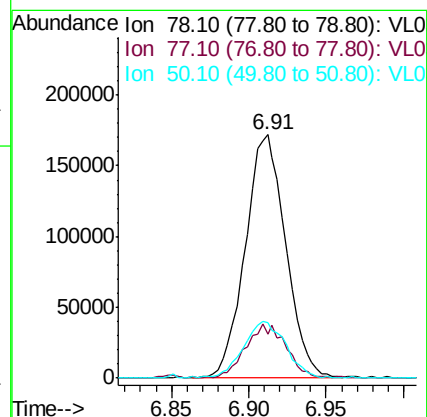
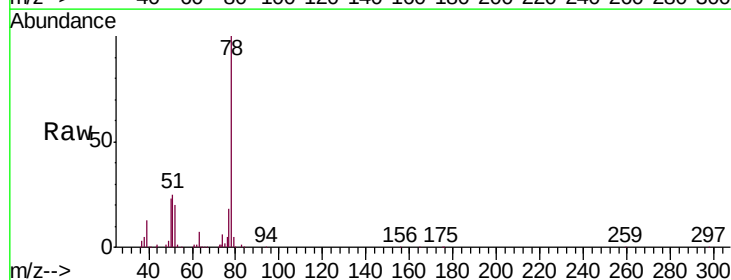
Tgt Ion: 78 Resp: 311798

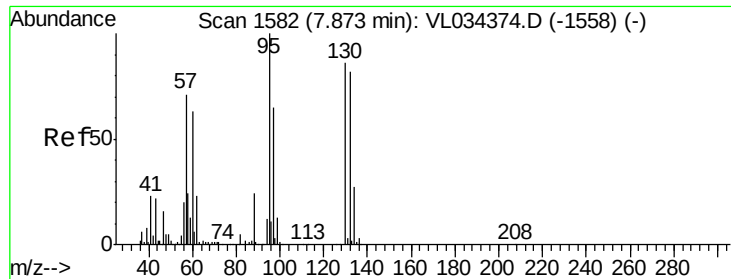
Ion Ratio Lower Upper

78 100

77 17.7 20.2 30.4#

50 22.5 17.1 25.7





#38

Trichloroethene

Concen: 0.450 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. -0.01 min

Lab File: VL034480.D

Acq: 10 Dec 2019 1:27

Instrument :

MSVOA_L

ClientSampleId :

1A-1

Tgt Ion:130 Resp: 31266

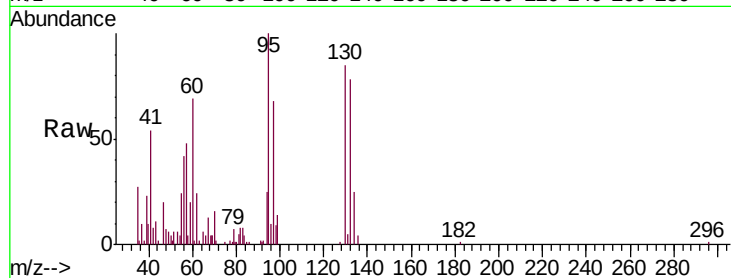
Ion Ratio Lower Upper

130 100

95 116.4 93.4 140.0

132 88.6 76.4 114.6

97 79.2 61.1 91.7

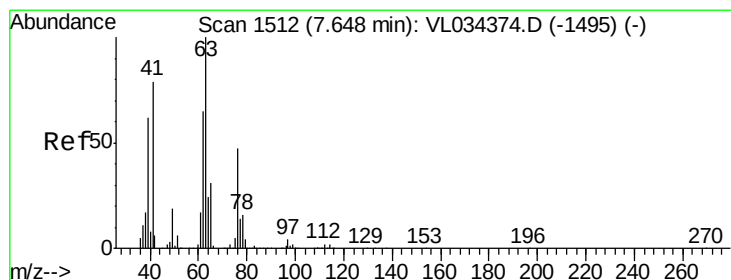
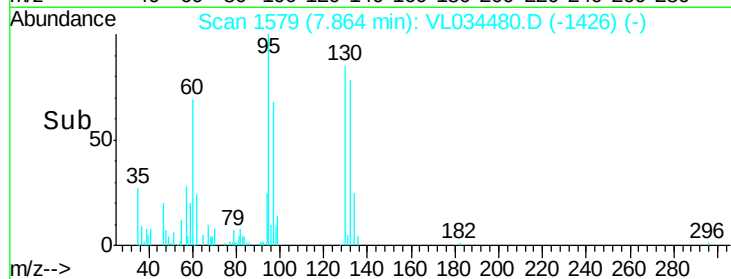
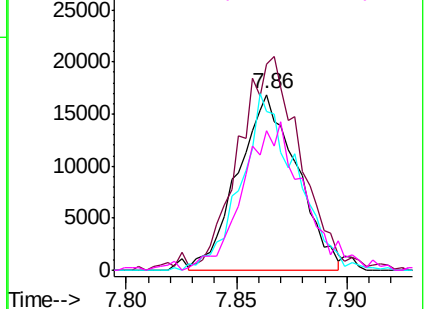


Abundance Ion 130.00 (129.70 to 130.70): V

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: 7.656 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. -0.45 min

Lab File: VL034480.D

Acq: 10 Dec 2019 1:27

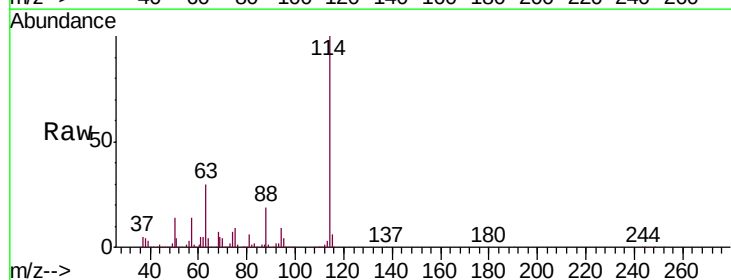
Tgt Ion: 63 Resp: 499148

Ion Ratio Lower Upper

63 100

41 0.0 63.1 94.7#

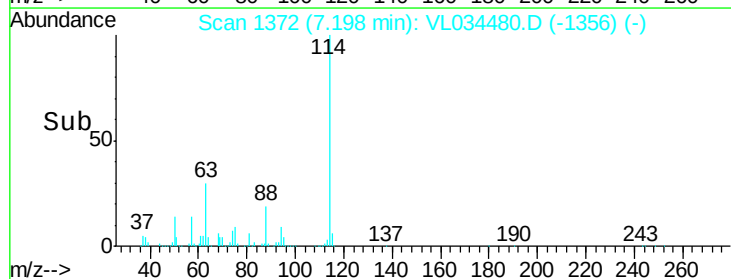
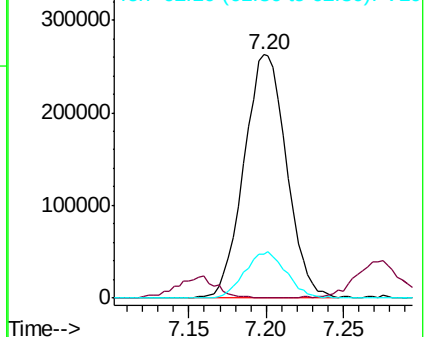
62 18.1 52.3 78.5#

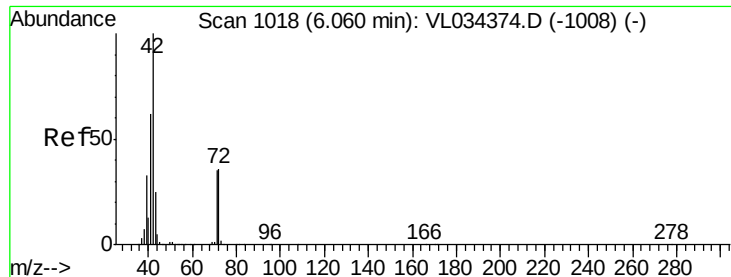


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.285 ppbv

RT: 6.08 min Scan# 1023

Delta R.T. 0.02 min

Lab File: VL034480.D

Acq: 10 Dec 2019 1:27

Instrument :

MSVOA_L

ClientSampleId :

1A-1

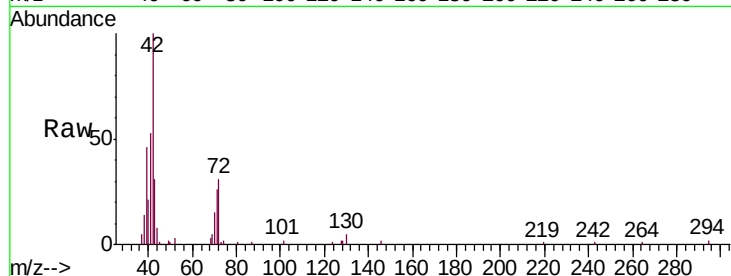
Tgt Ion: 42 Resp: 22244

Ion Ratio Lower Upper

42 100

72 40.3 30.2 45.4

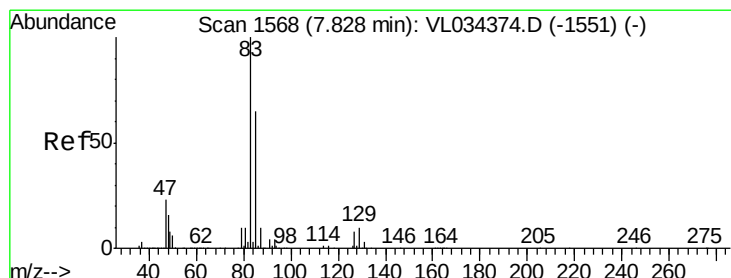
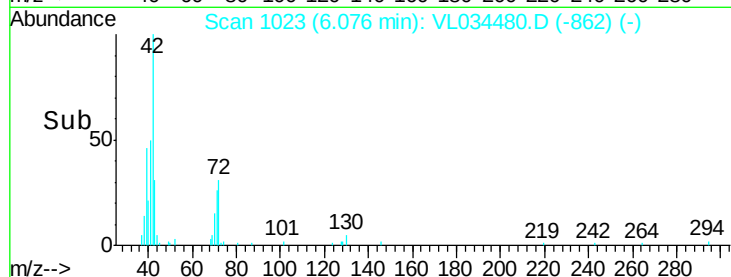
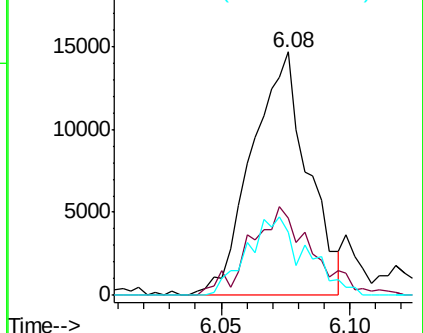
71 34.0 29.4 44.2



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



#42

Bromodichloromethane

Concen: 0.031 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VL034480.D

Acq: 10 Dec 2019 1:27

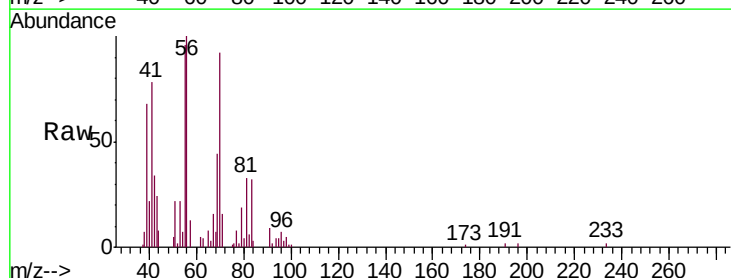
Tgt Ion: 83 Resp: 4945

Ion Ratio Lower Upper

83 100

85 0.0 52.3 78.5#

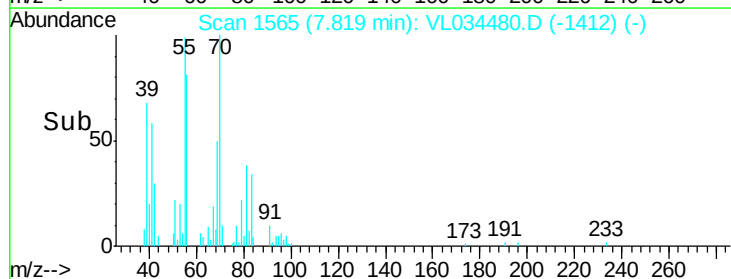
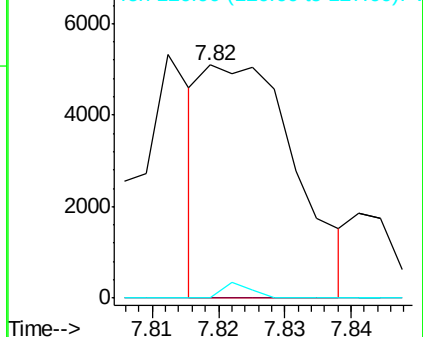
127 0.0 6.1 9.1#

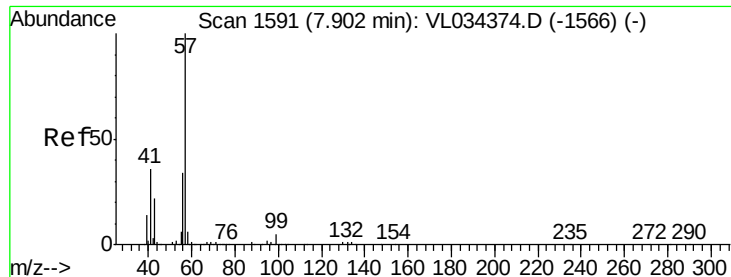


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

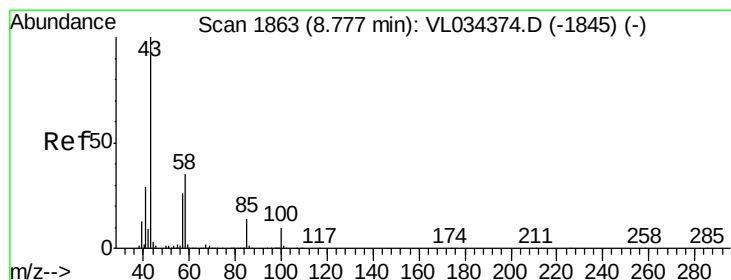
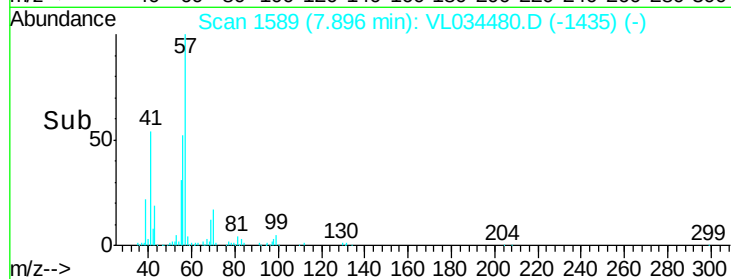
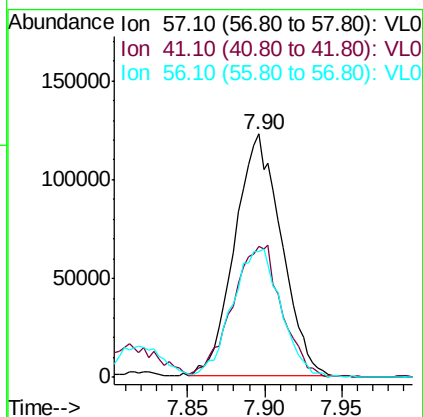
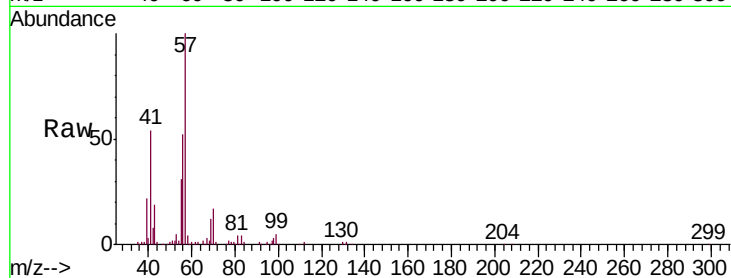




#44
 2,2,4-Trimethylpentane
 Concen: 0.831 ppbv
 RT: 7.90 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: VL034480.D
 Acq: 10 Dec 2019 1:27

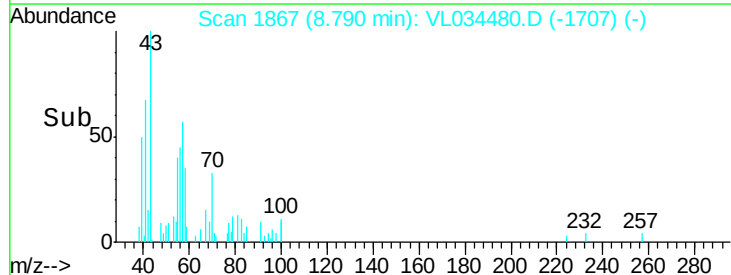
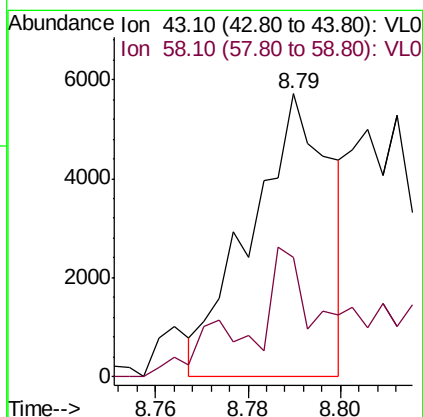
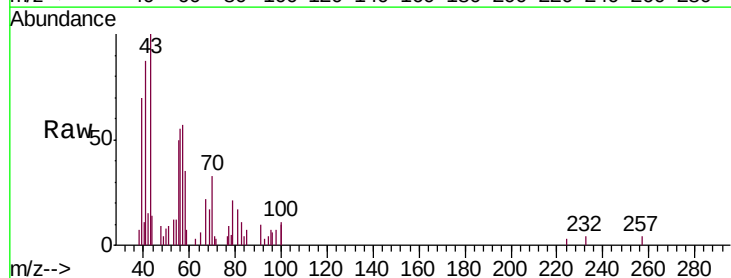
Instrument :
 MSVOA_L
 ClientSampleId :
 1A-1

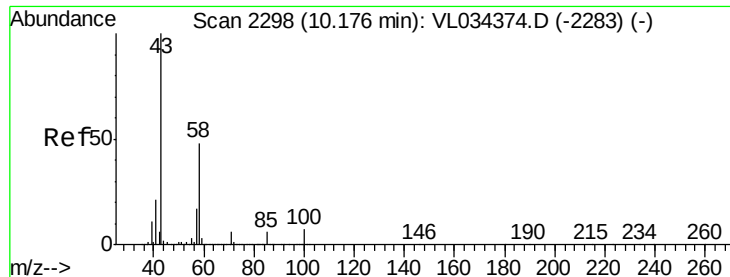
Tgt Ion: 57 Resp: 257162
 Ion Ratio Lower Upper
 57 100
 41 58.5 28.6 42.8#
 56 55.8 25.3 37.9#



#50
 4-Methyl-2-Pentanone
 Concen: 0.034 ppbv
 RT: 8.79 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VL034480.D
 Acq: 10 Dec 2019 1:27

Tgt Ion: 43 Resp: 6798
 Ion Ratio Lower Upper
 43 100
 58 61.4 27.9 41.9#

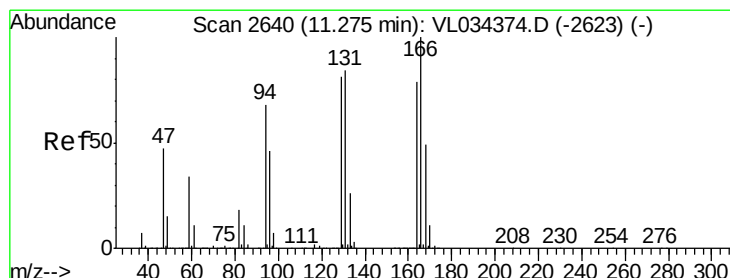
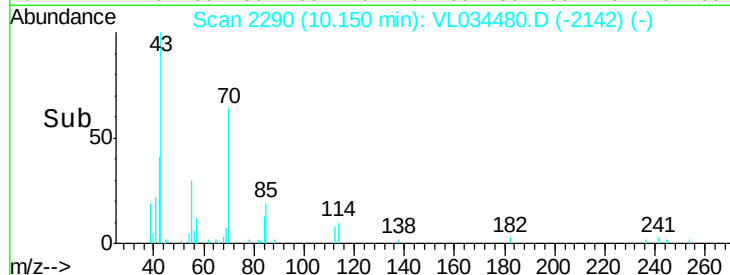
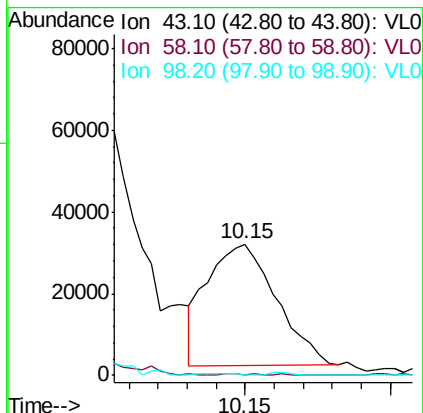
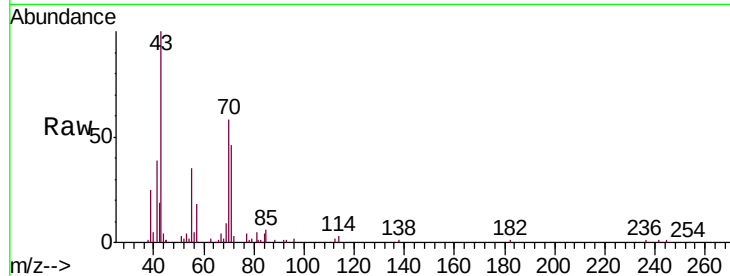




#51
2-Hexanone
Concen: 0.290 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. -0.03 min
Lab File: VL034480.D
Acq: 10 Dec 2019 1:27

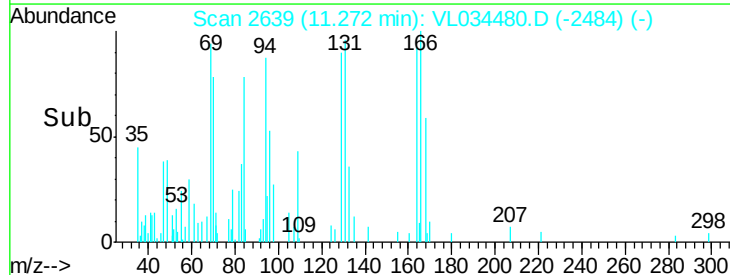
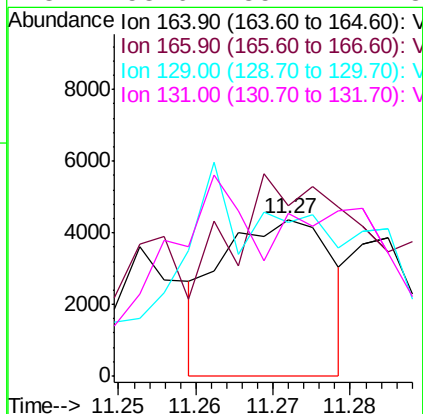
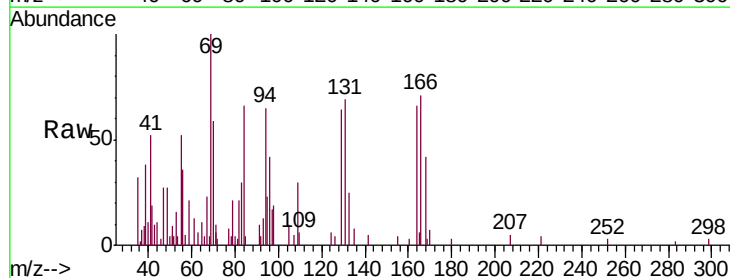
Instrument :
MSVOA_L
ClientSampled :
1A-1

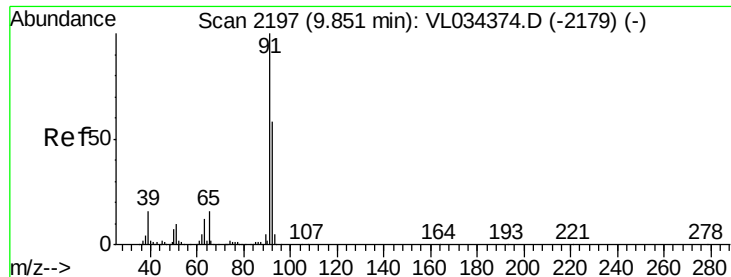
Tgt Ion: 43 Resp: 48914
Ion Ratio Lower Upper
43 100
58 0.7 38.2 57.4#
98 0.8 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.059 ppbv
RT: 11.27 min Scan# 2639
Delta R.T. -0.00 min
Lab File: VL034480.D
Acq: 10 Dec 2019 1:27

Tgt Ion: 164 Resp: 4322
Ion Ratio Lower Upper
164 100
166 150.1 101.7 152.5
129 43.6 82.6 123.8#
131 53.6 85.2 127.8#





#53

Toluene

Concen: 4.843 ppbv

RT: 9.84 min Scan# 2195

Delta R.T. -0.01 min

Lab File: VL034480.D

Acq: 10 Dec 2019 1:27

Instrument :

MSVOA_L

ClientSampleId :

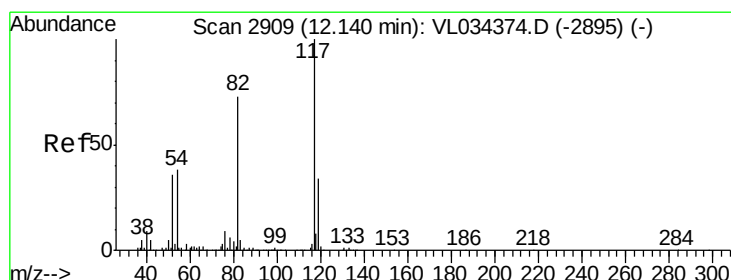
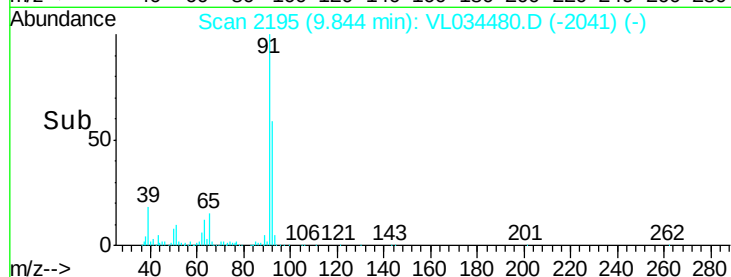
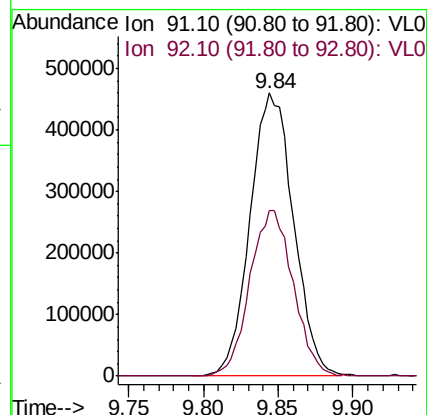
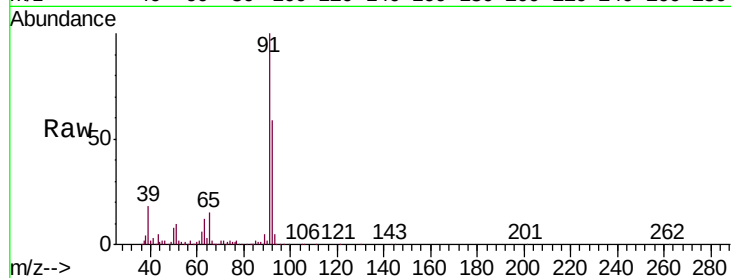
1A-1

Tgt Ion: 91 Resp: 930925

Ion Ratio Lower Upper

91 100

92 58.5 47.9 71.9



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VL034480.D

Acq: 10 Dec 2019 1:27

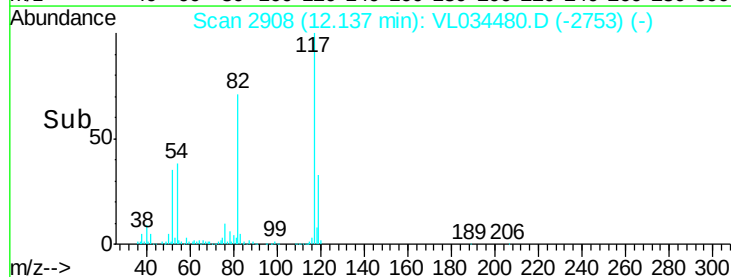
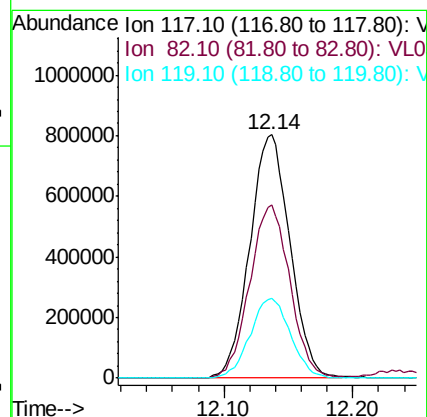
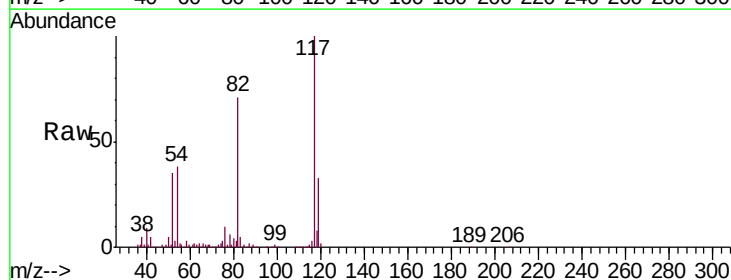
Tgt Ion: 117 Resp: 1744553

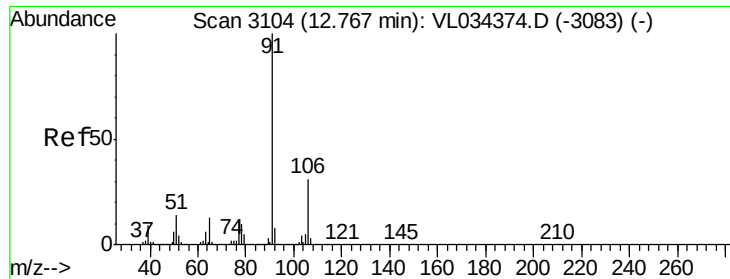
Ion Ratio Lower Upper

117 100

82 71.0 57.5 86.3

119 33.1 25.4 38.2





#58

Ethyl Benzene

Concen: 1.429 ppbv

RT: 12.76 min Scan# 3102

Delta R.T. -0.01 min

Lab File: VL034480.D

Acq: 10 Dec 2019 1:27

Instrument :

MSVOA_L

ClientSampleId :

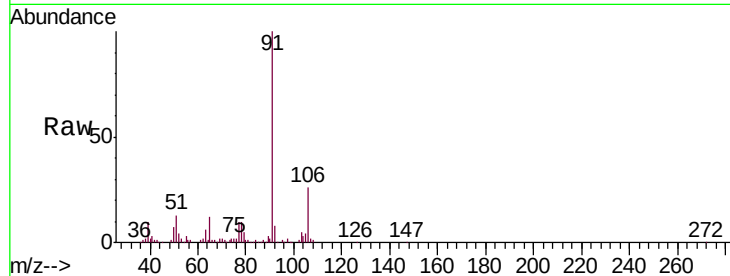
1A-1

Tgt Ion: 91 Resp: 386878

Ion Ratio Lower Upper

91 100

106 25.7 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.76

200000

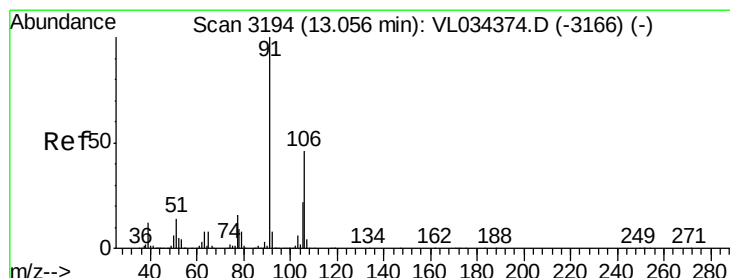
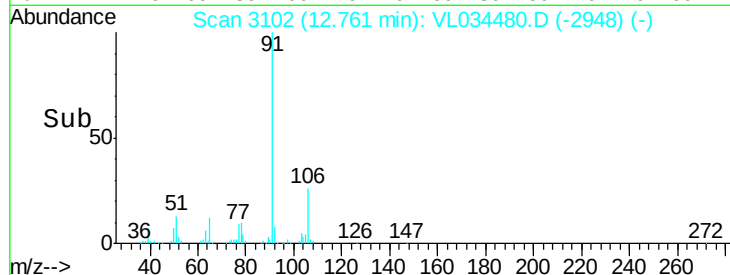
150000

100000

50000

0

Time-->



#59

m/p-Xylene

Concen: 4.217 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VL034480.D

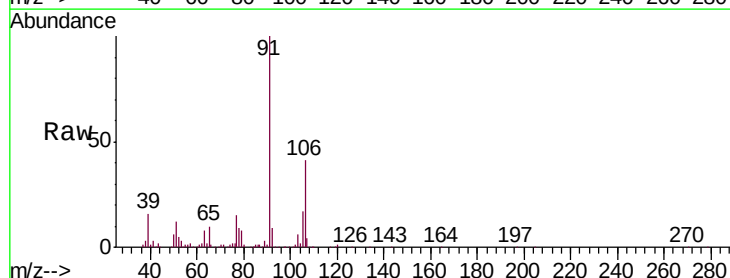
Acq: 10 Dec 2019 1:27

Tgt Ion: 91 Resp: 986952

Ion Ratio Lower Upper

91 100

106 42.5 34.6 51.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.02

400000

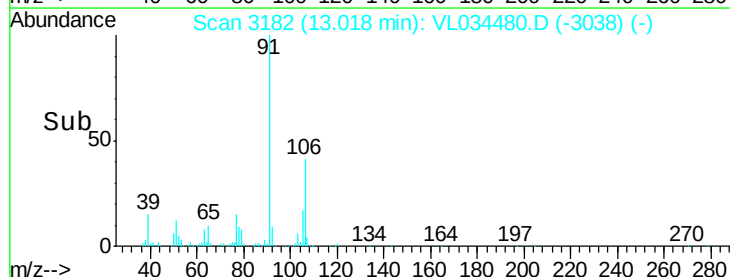
300000

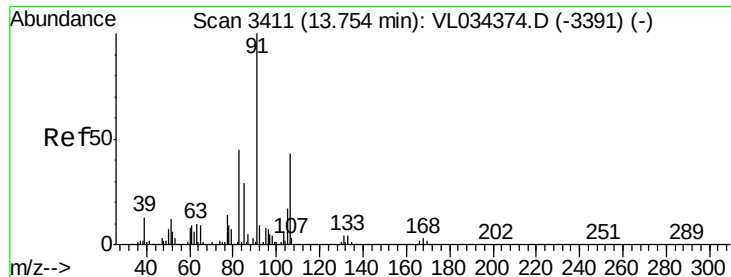
200000

100000

0

Time-->

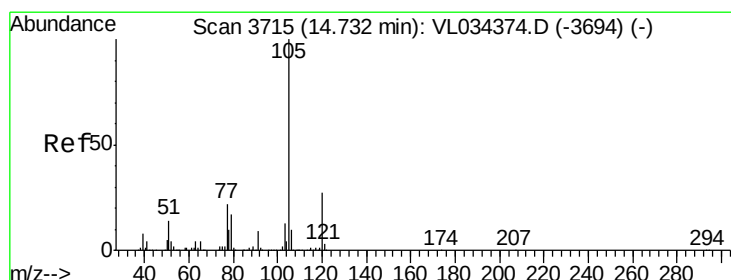
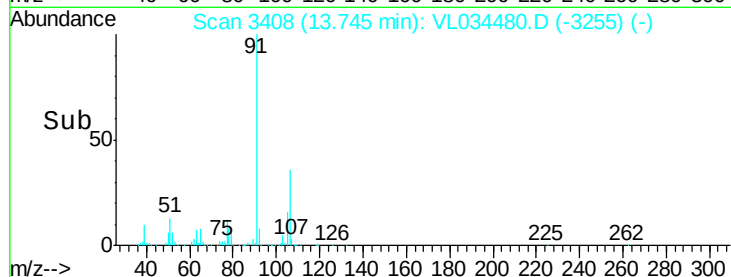
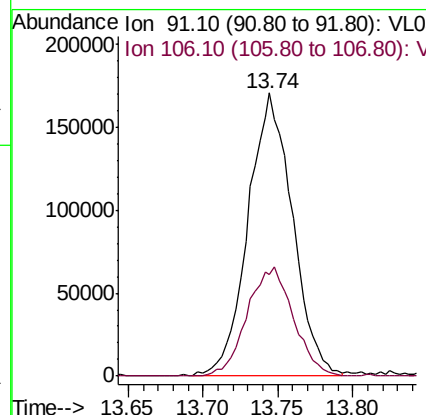
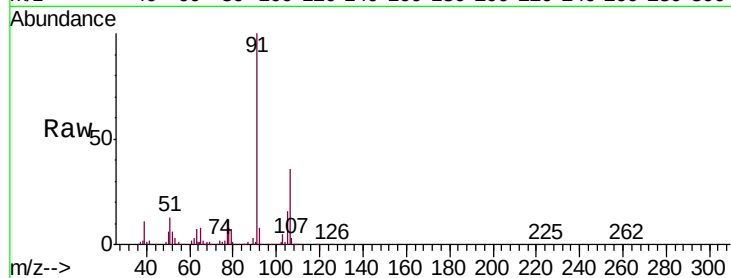




#60
o-Xylene
Concen: 1.517 ppbv
RT: 13.74 min Scan# 3408
Delta R.T. -0.01 min
Lab File: VL034480.D
Acq: 10 Dec 2019 1:27

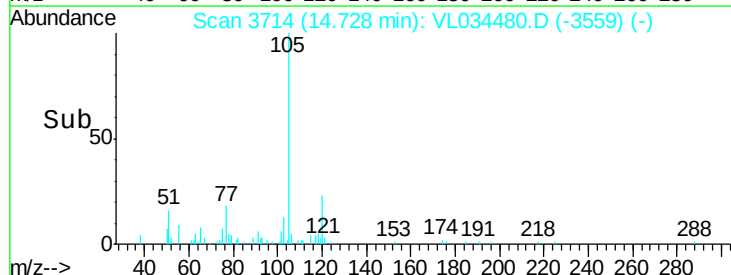
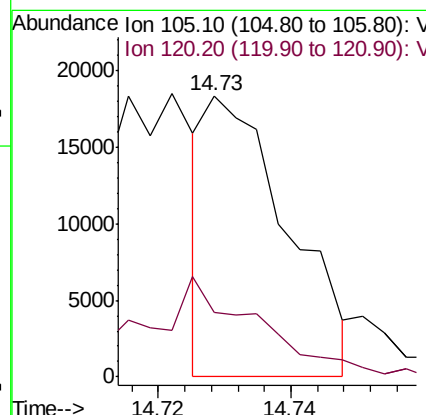
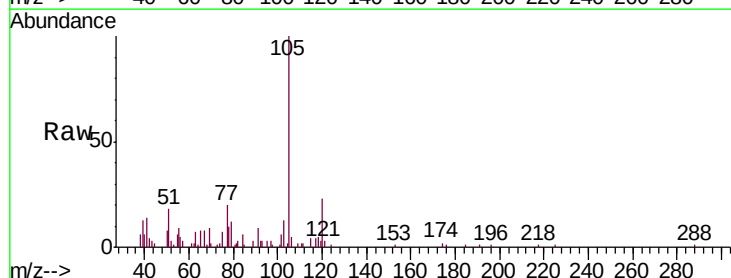
Instrument :
MSVOA_L
ClientSampleId :
1A-1

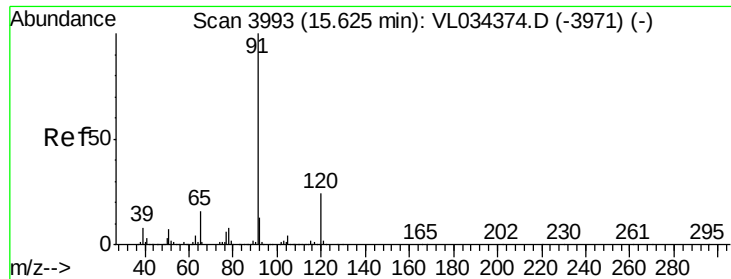
Tgt Ion: 91 Resp: 350970
Ion Ratio Lower Upper
91 100
106 40.1 21.3 64.0



#62
Isopropylbenzene
Concen: 0.052 ppbv
RT: 14.73 min Scan# 3714
Delta R.T. -0.00 min
Lab File: VL034480.D
Acq: 10 Dec 2019 1:27

Tgt Ion: 105 Resp: 15786
Ion Ratio Lower Upper
105 100
120 62.8 20.2 30.4#

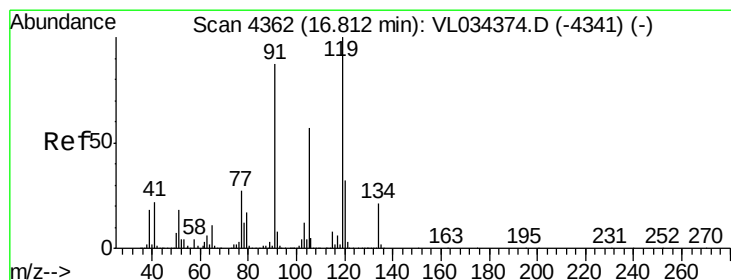
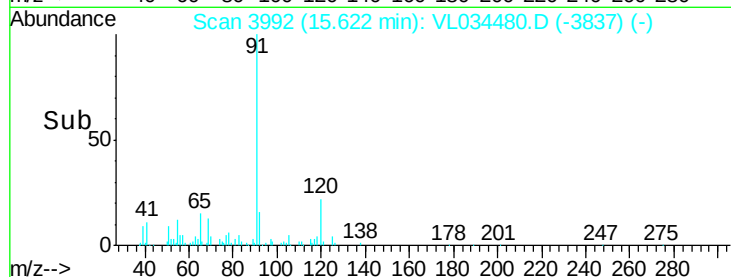
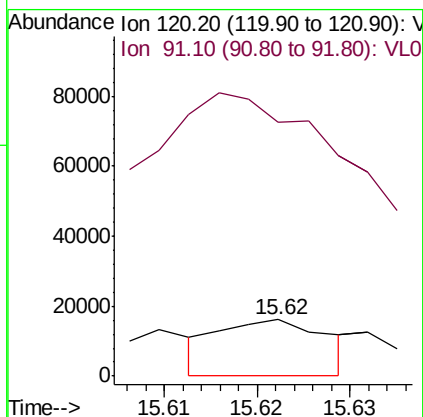
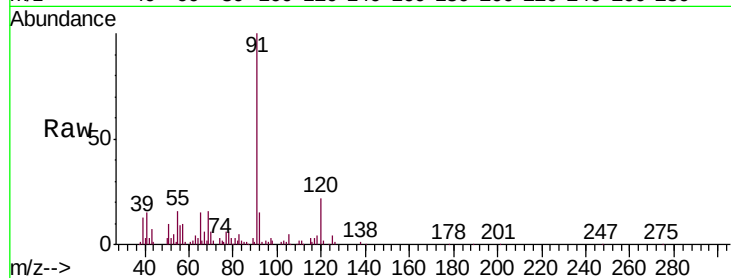




#64
n-propylbenzene
Concen: 0.164 ppbv
RT: 15.62 min Scan# 3992
Delta R.T. -0.00 min
Lab File: VL034480.D
Acq: 10 Dec 2019 1:27

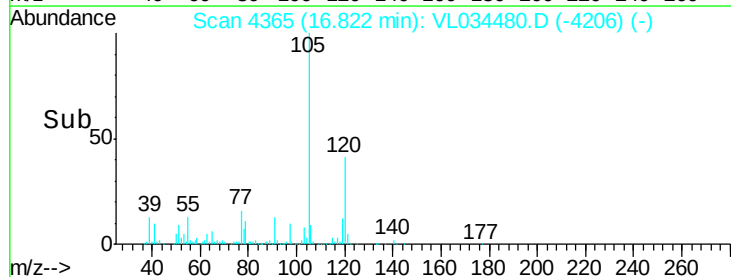
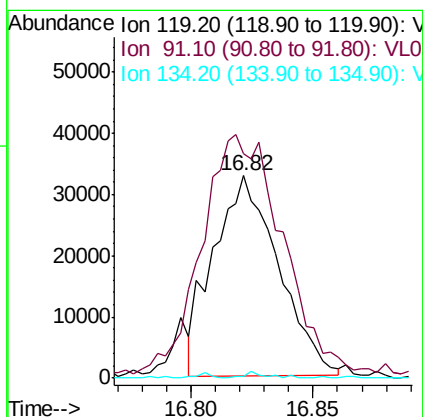
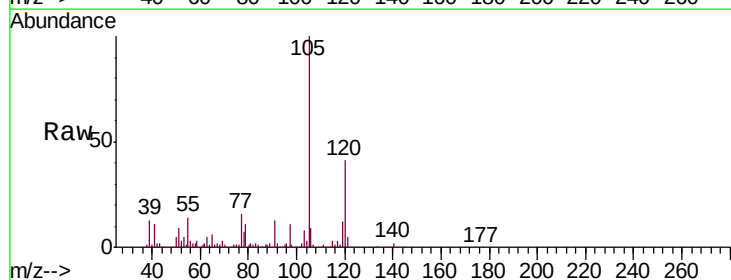
Instrument :
MSVOA_L
ClientSampleId :
1A-1

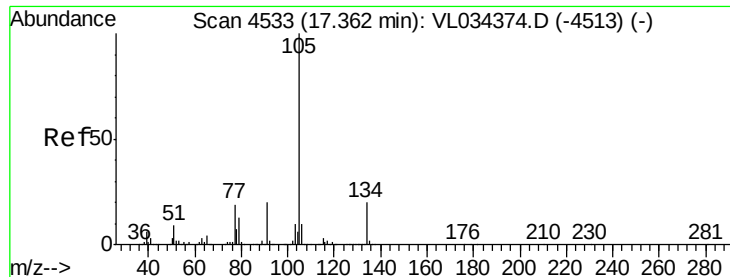
Tgt Ion:120 Resp: 13003
Ion Ratio Lower Upper
120 100
91 0.0 370.9 556.3#



#65
tert-Butylbenzene
Concen: 0.221 ppbv
RT: 16.82 min Scan# 4365
Delta R.T. 0.01 min
Lab File: VL034480.D
Acq: 10 Dec 2019 1:27

Tgt Ion:119 Resp: 60806
Ion Ratio Lower Upper
119 100
91 149.7 71.6 107.4#
134 1.7 15.9 23.9#





#67

sec-Butylbenzene

Concen: 0.079 ppbv

RT: 17.36 min Scan# 4532

Delta R.T. -0.00 min

Lab File: VL034480.D

Acq: 10 Dec 2019 1:27

Instrument :

MSVOA_L

ClientSampleId :

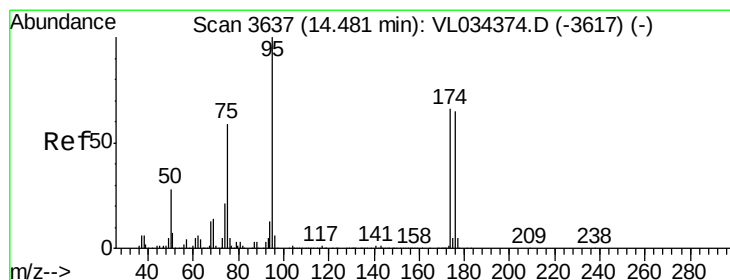
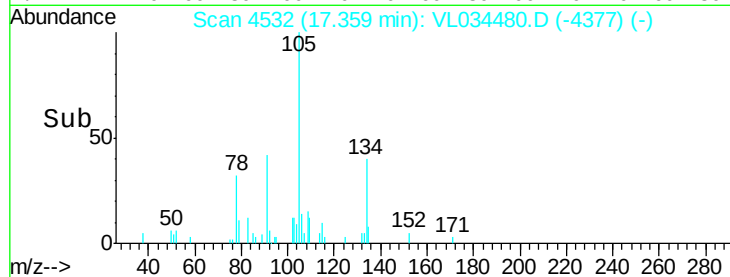
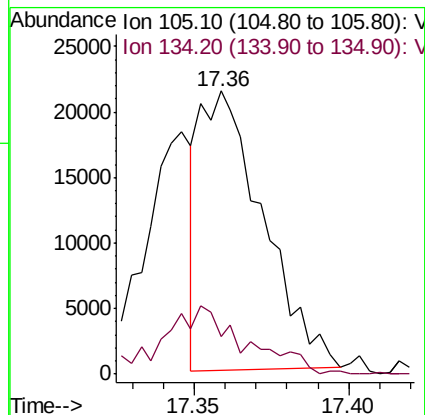
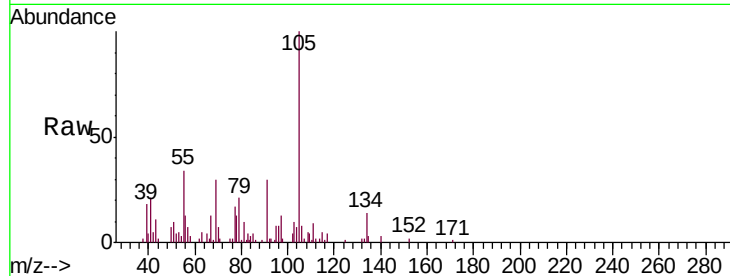
1A-1

Tgt Ion: 105 Resp: 30192

Ion Ratio Lower Upper

105 100

134 33.1 15.0 22.6#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.368 ppbv

RT: 14.47 min Scan# 3635

Delta R.T. -0.01 min

Lab File: VL034480.D

Acq: 10 Dec 2019 1:27

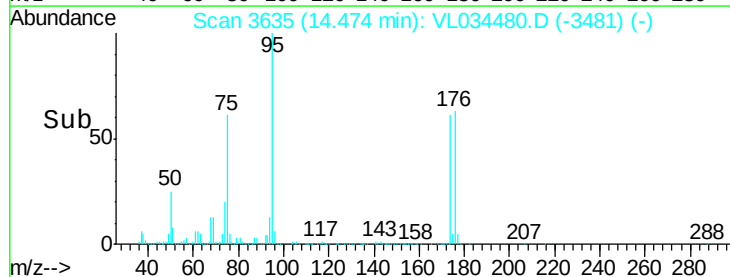
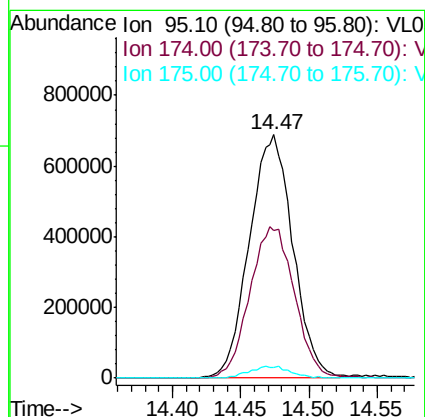
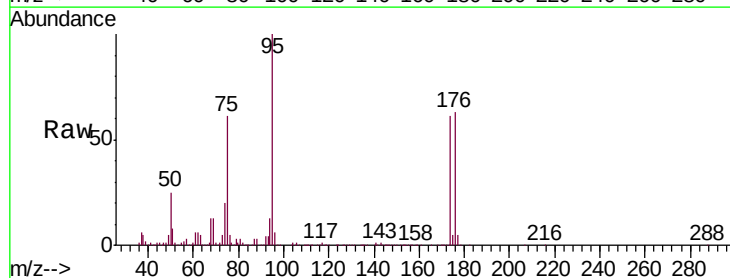
Tgt Ion: 95 Resp: 1521618

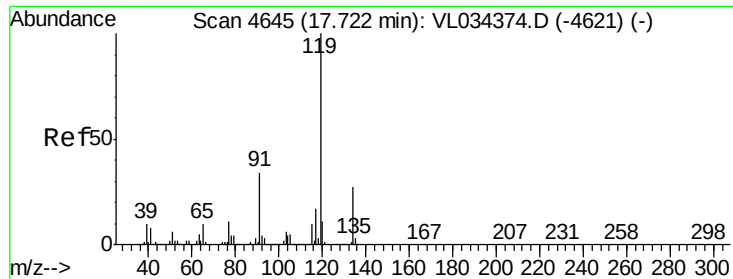
Ion Ratio Lower Upper

95 100

174 64.2 52.2 78.2

175 4.7 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.035 ppbv

RT: 17.72 min Scan# 4644

Delta R.T. -0.00 min

Lab File: VL034480.D

Acq: 10 Dec 2019 1:27

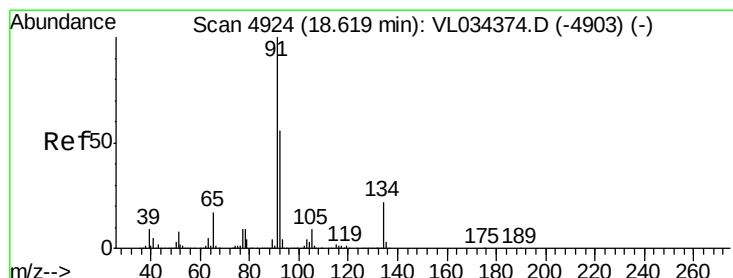
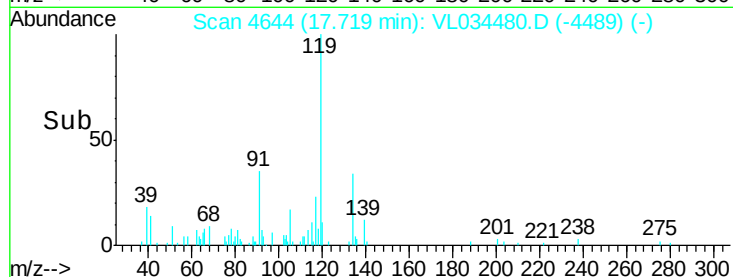
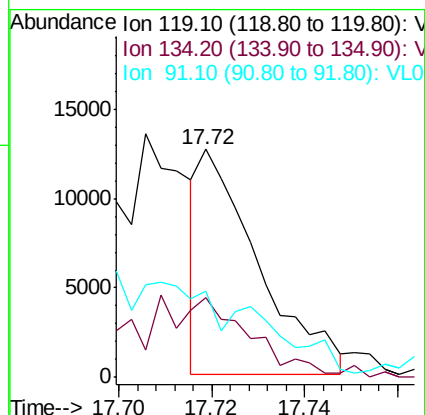
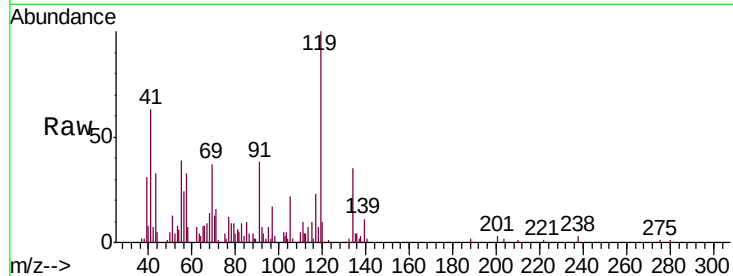
Instrument :

MSVOA_L

ClientSampleId :

1A-1

Tgt Ion:	119	Resp:	11117
Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.6	31.0#
91	0.0	26.3	39.5#



#70

n-Butylbenzene

Concen: 0.119 ppbv

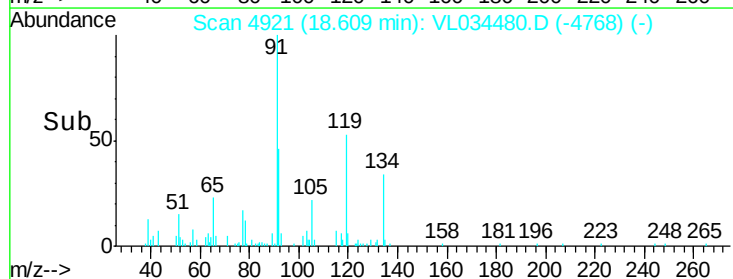
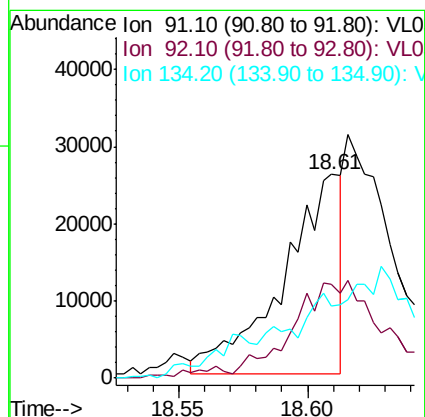
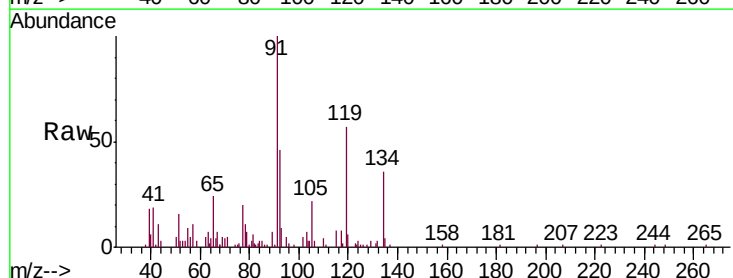
RT: 18.61 min Scan# 4921

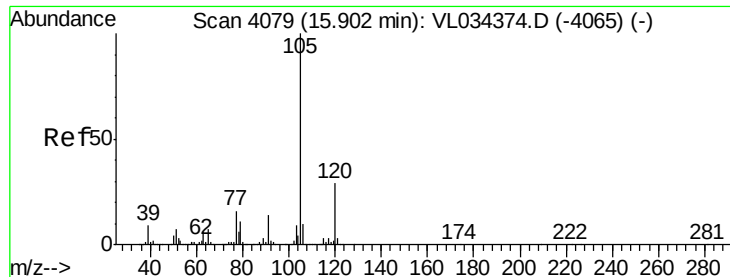
Delta R.T. -0.01 min

Lab File: VL034480.D

Acq: 10 Dec 2019 1:27

Tgt Ion:	91	Resp:	40859
Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.8	65.6#
134	0.0	17.9	26.9#





#72

4-Ethyltoluene

Concen: 0.601 ppbv

RT: 15.90 min Scan# 4078

Delta R.T. -0.00 min

Lab File: VL034480.D

Acq: 10 Dec 2019 1:27

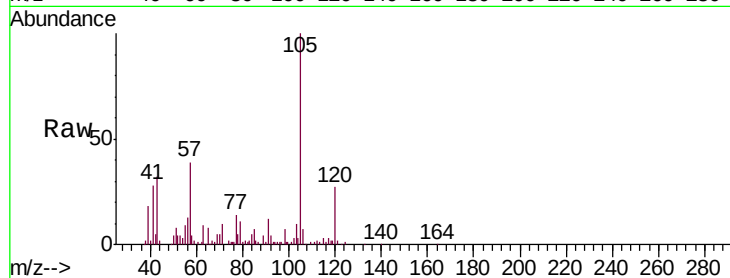
Instrument :

MSVOA_L

ClientSampleId :

1A-1

Tgt Ion:	105	Resp:	160697
Ion Ratio		Lower	Upper
105	100		
120	30.3	23.5	35.3
91	16.0	11.4	17.0
77	19.3	12.6	19.0

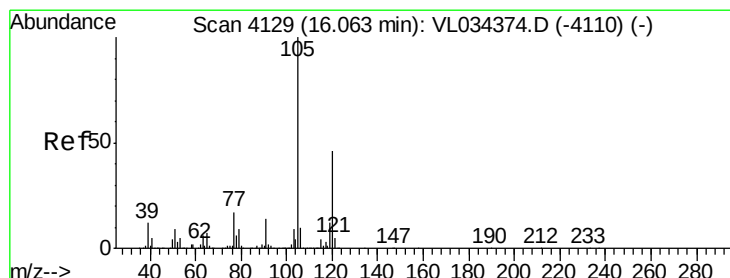
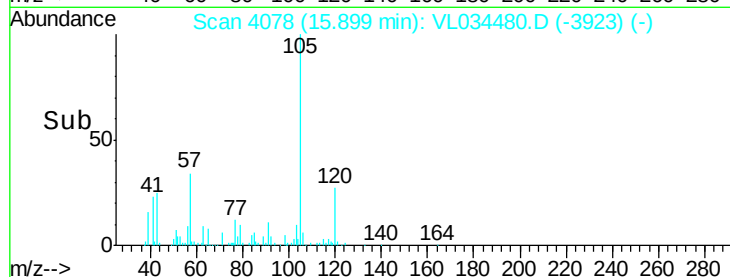
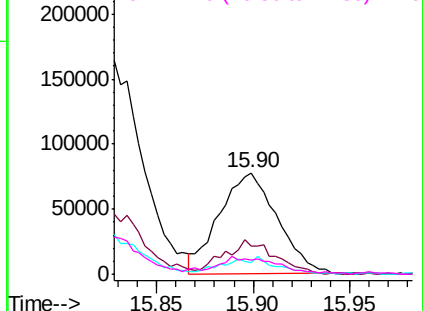


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.392 ppbv

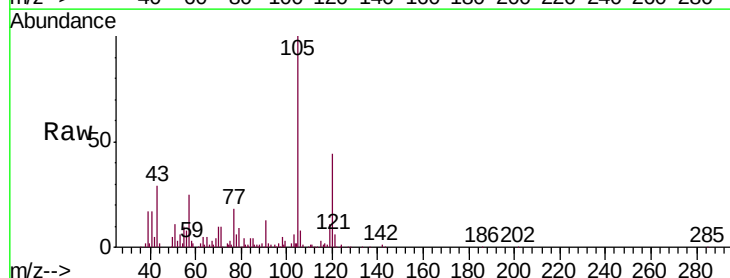
RT: 16.06 min Scan# 4127

Delta R.T. -0.01 min

Lab File: VL034480.D

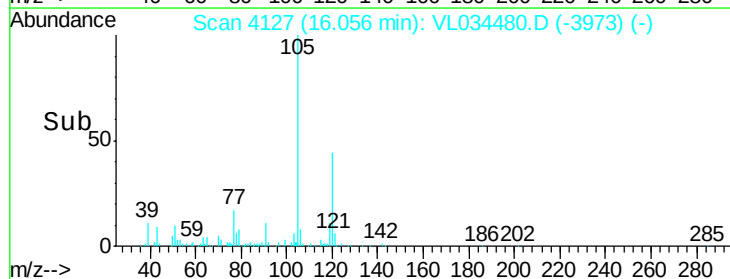
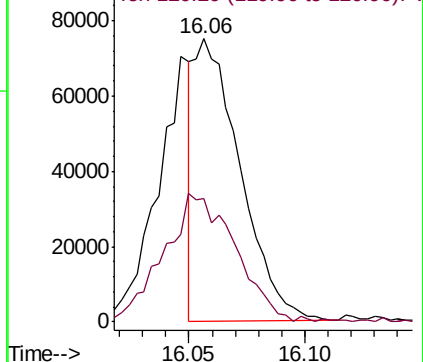
Acq: 10 Dec 2019 1:27

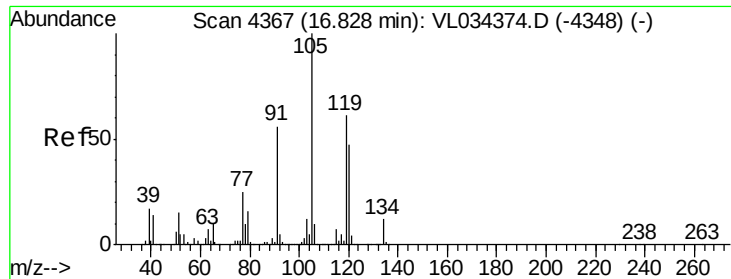
Tgt Ion:	105	Resp:	102457
Ion Ratio		Lower	Upper
105	100		
120	43.5	37.1	55.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

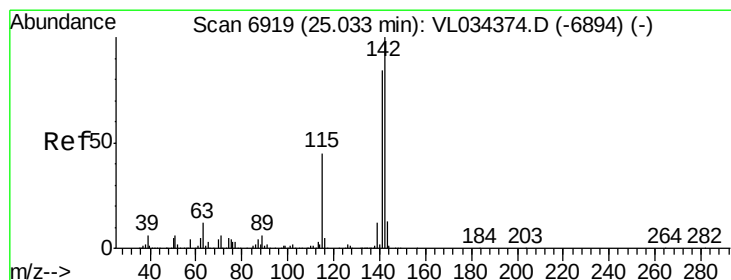
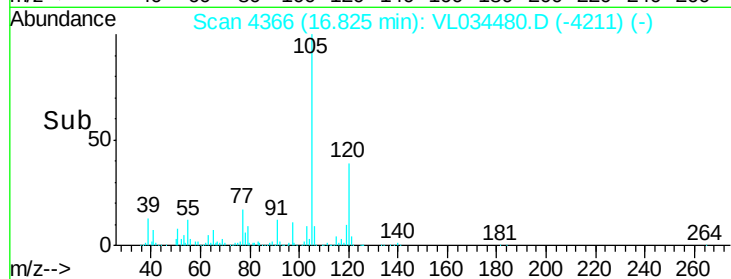
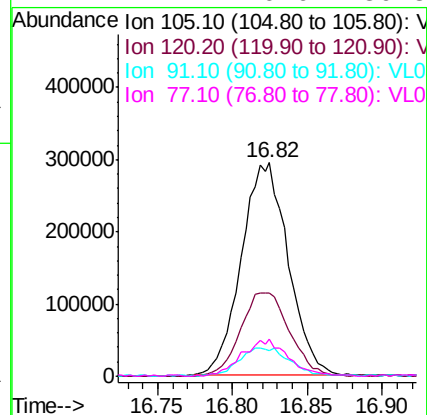
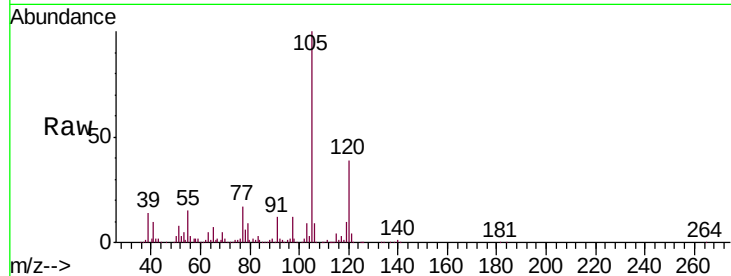




#74
 1,2,4-Trimethylbenzene
 Concen: 2.298 ppbv
 RT: 16.82 min Scan# 4366
 Delta R.T. -0.00 min
 Lab File: VL034480.D
 Acq: 10 Dec 2019 1:27

Instrument :
 MSVOA_L
 ClientSampleId :
 1A-1

Tgt Ion:	105	Resp:	638731
Ion Ratio	Lower	Upper	
105	100		
120	38.6	37.4	56.0
91	11.7	46.3	69.5#
77	17.2	20.6	30.8#



#80
 Naphthalene, 2-methyl-
 Concen: 0.032 ppbv
 RT: 25.03 min Scan# 6919
 Delta R.T. 0.00 min
 Lab File: VL034480.D
 Acq: 10 Dec 2019 1:27

Tgt Ion:	142	Resp:	3457
Ion Ratio	Lower	Upper	
142	100		
141	84.1	67.1	100.7
115	43.7	36.6	54.8

