

Data File : VL034145.D
Acq On : 10 Sep 2019 16:34
Operator : SY/AP
Sample : K4775-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Quant Time: Sep 11 01:50:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	771252	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	1553029	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	1539889	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.50	95	1296721	10.30	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

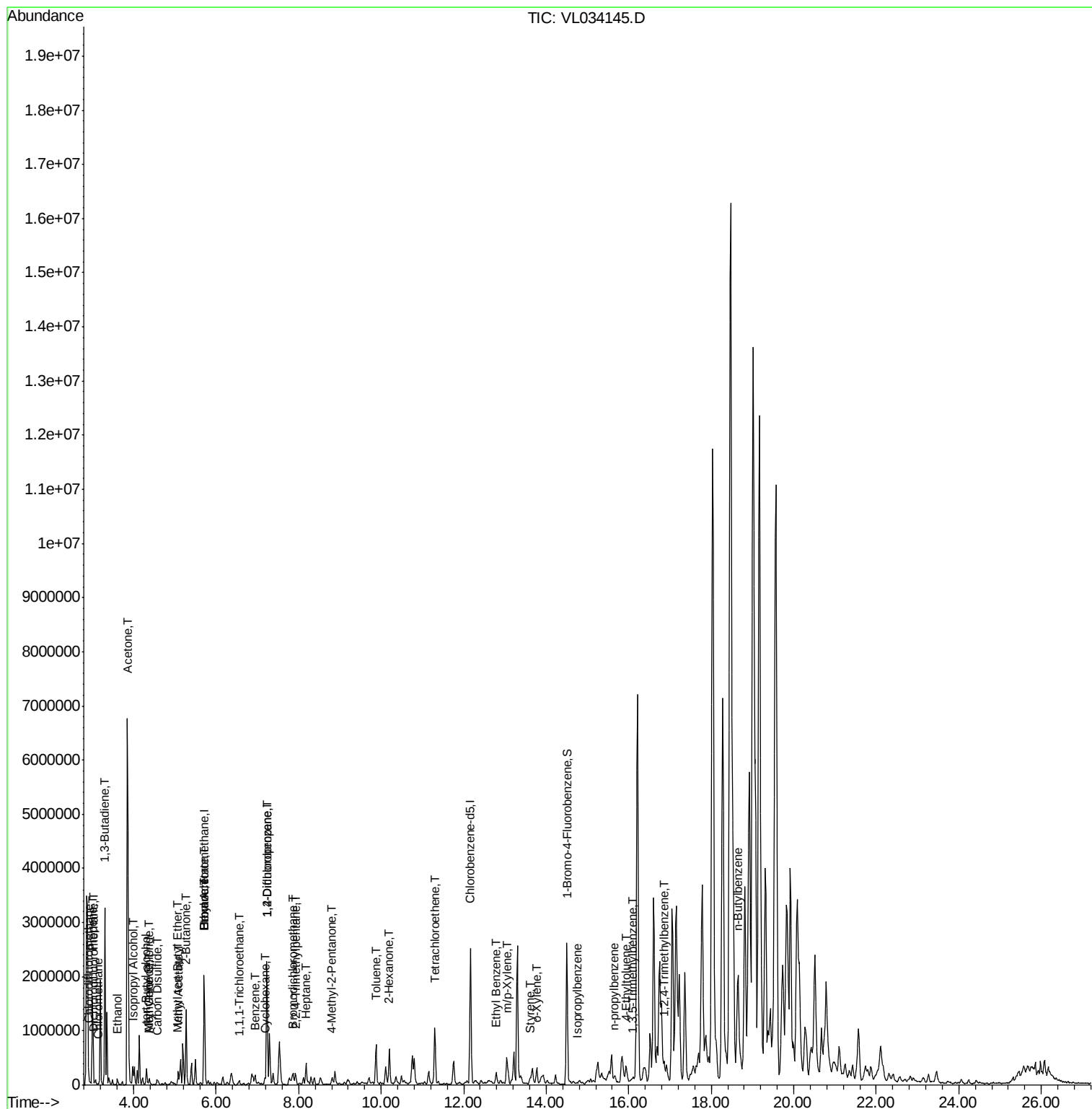
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	11345	0.089	ppbv	92
3) Chlorodifluoromethane	2.91	51	7938	0.092	ppbv	93
4) Chloromethane	3.13	50	4748	0.088	ppbv #	74
9) Propene	3.00	41	658621	13.692	ppbv	87
10) Heptane	8.18	43	190662	1.527	ppbv	100
13) Ethanol	3.61	45	111042	11.784	ppbv	99
15) Acetone	3.85	43	7122822	76.629	ppbv #	63
16) 1,3-Butadiene	3.30	39	874967	18.587	ppbv #	20
17) tert-Butyl alcohol	4.31	59	212714	3.152	ppbv	95
19) Isopropyl Alcohol	3.98	45	356844	5.688	ppbv #	97
20) Methylene Chloride	4.37	84	13126	0.427	ppbv	89
21) Allyl Chloride	4.38	41	15589	0.254	ppbv #	26
23) Vinyl Acetate	5.09	43	38583	0.245	ppbv #	1
25) Ethyl Acetate	5.72	43	184852	0.906	ppbv #	78
26) Hexane	5.72	57	244049	2.690	ppbv #	36
27) Carbon Disulfide	4.57	76	79683	0.973	ppbv	95
28) Methyl tert-Butyl Ether	5.06	73	7413	0.056	ppbv #	50
30) Cyclohexane	7.19	84	17823	0.272	ppbv #	1
32) 1,1,1-Trichloroethane	6.56	97	31171	0.270	ppbv	98
34) 2-Butanone	5.27	43	1582310	10.598	ppbv	100
36) Benzene	6.94	78	126858	0.715	ppbv	99
39) 1,2-Dichloropropane	7.23	63	438681	5.775	ppbv #	23
42) Bromodichloromethane	7.85	83	4431	0.031	ppbv #	30
44) 2,2,4-Trimethylpentane	7.92	57	121199	0.370	ppbv #	60
50) 4-Methyl-2-Pentanone	8.80	43	47158	0.207	ppbv #	39
51) 2-Hexanone	10.20	43	562617	2.859	ppbv #	97
52) Tetrachloroethene	11.30	164	254576	4.067	ppbv	97
53) Toluene	9.87	91	526492	2.682	ppbv	98
58) Ethyl Benzene	12.79	91	171365	0.679	ppbv	89
59) m/p-Xylene	13.05	91	482521	2.343	ppbv	98
60) o-Xylene	13.77	91	184299	0.898	ppbv	98
61) Styrene	13.61	104	6669	0.043	ppbv #	57
62) Isopropylbenzene	14.75	105	13132	0.049	ppbv #	88
64) n-propylbenzene	15.65	120	7252	0.108	ppbv #	1
70) n-Butylbenzene	18.65	91	19534	0.065	ppbv #	47
72) 4-Ethyltoluene	15.93	105	66603	0.288	ppbv	98
73) 1,3,5-Trimethylbenzene	16.09	105	30327	0.135	ppbv #	82
74) 1,2,4-Trimethylbenzene	16.85	105	179916	0.777	ppbv #	68

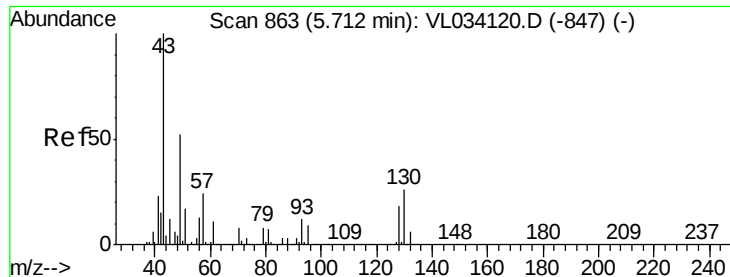
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 min Scan# 908

Delta R.T. -0.01 min

Lab File: VL034145.D

Acq: 10 Sep 2019 16:34

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

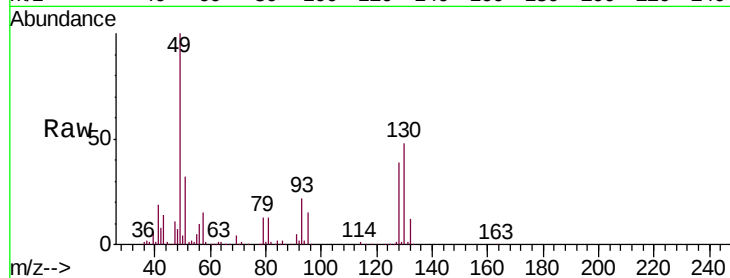
Tgt Ion: 49 Resp: 771252

Ion Ratio Lower Upper

49 100

128 40.4 18.4 55.0

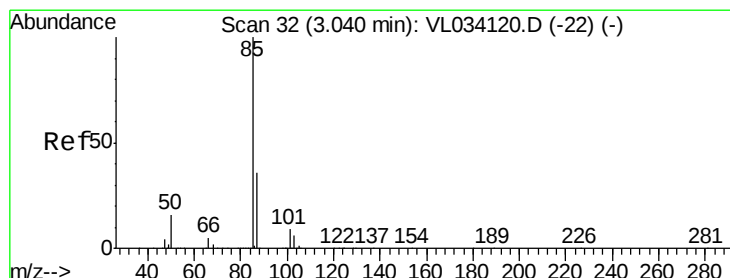
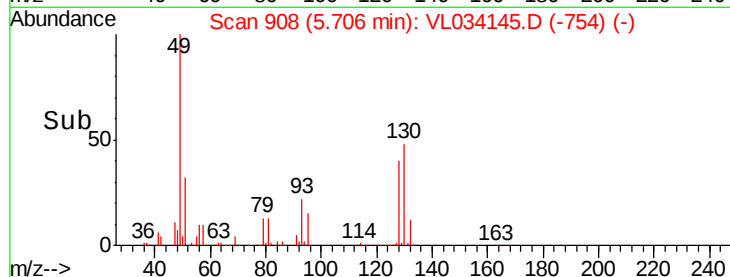
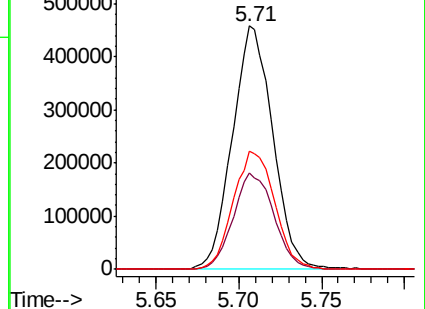
130 50.1 23.5 70.6



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



#2

Dichlorodifluoromethane

Concen: 0.089 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.00 min

Lab File: VL034145.D

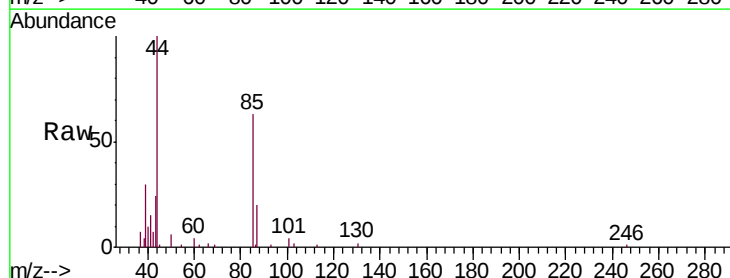
Acq: 10 Sep 2019 16:34

Tgt Ion: 85 Resp: 11345

Ion Ratio Lower Upper

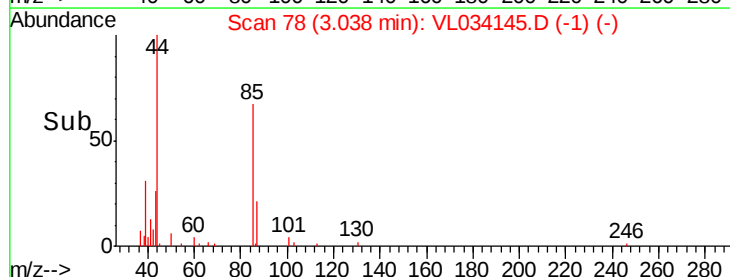
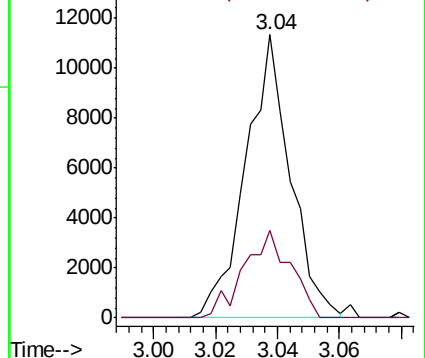
85 100

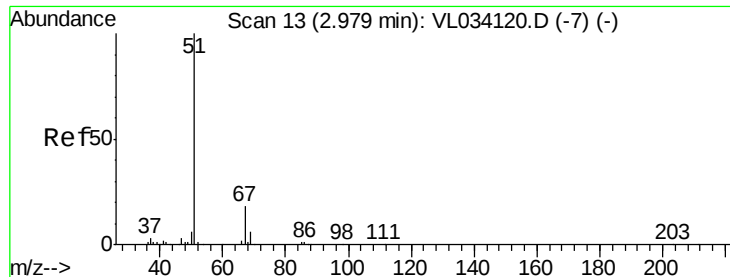
87 31.0 28.6 43.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.092 ppbv

RT: 2.91 min Scan# 39

Delta R.T. -0.07 min

Lab File: VL034145.D

Acq: 10 Sep 2019 16:34

Instrument :

MSVOA_L

ClientSampleId :

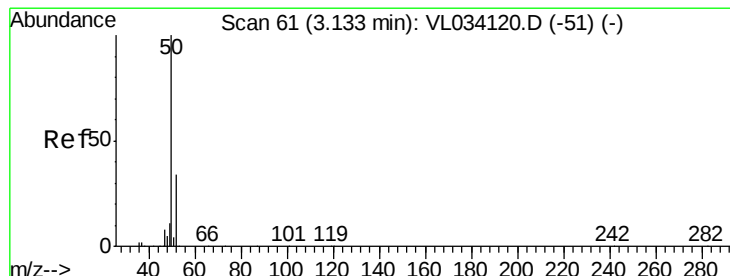
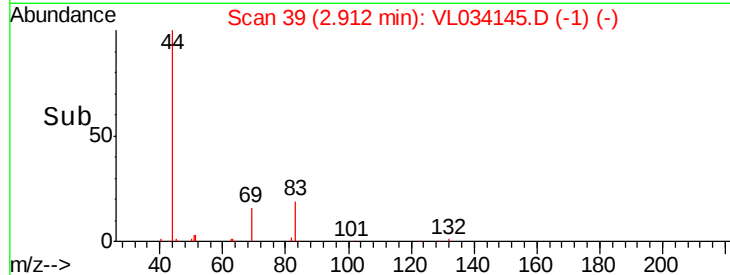
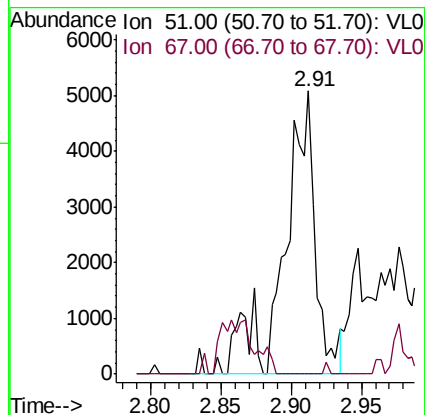
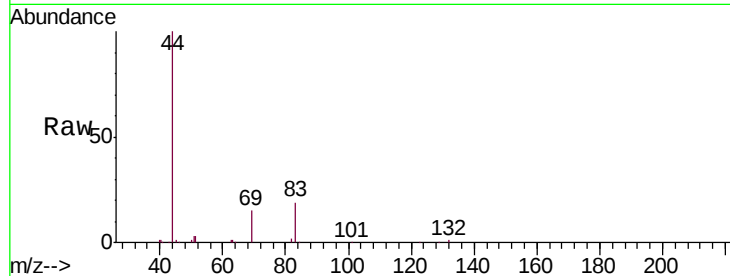
SV1DL

Tgt Ion: 51 Resp: 7938

Ion Ratio Lower Upper

51 100

67 21.0 14.2 21.4



#4

Chloromethane

Concen: 0.088 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.00 min

Lab File: VL034145.D

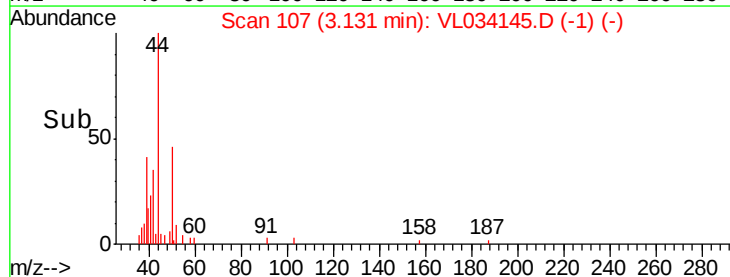
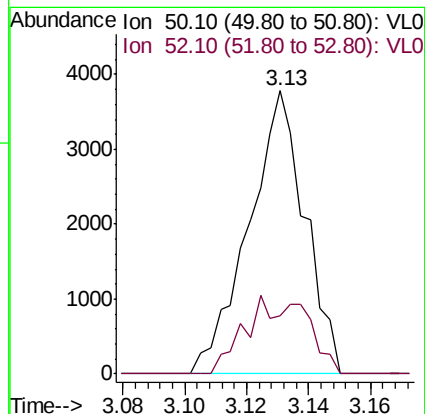
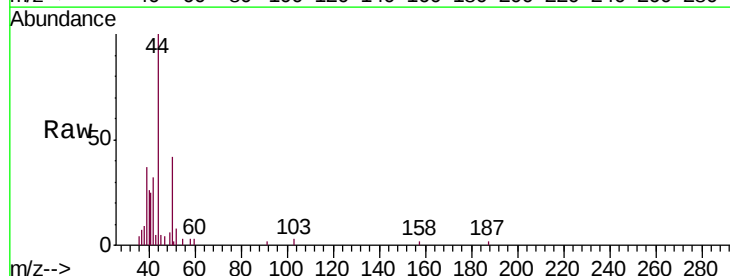
Acq: 10 Sep 2019 16:34

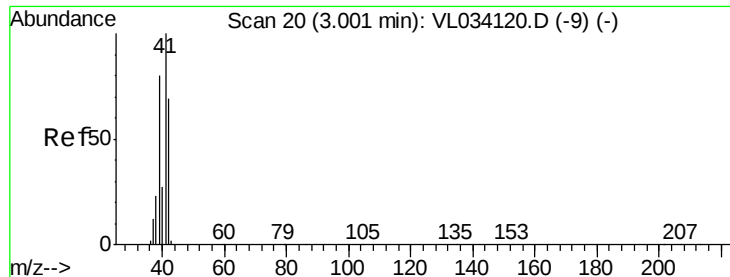
Tgt Ion: 50 Resp: 4748

Ion Ratio Lower Upper

50 100

52 19.4 27.4 41.2#





#9

Propene

Concen: 13.692 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL034145.D

Acq: 10 Sep 2019 16:34

Instrument :

MSVOA_L

ClientSampleId :

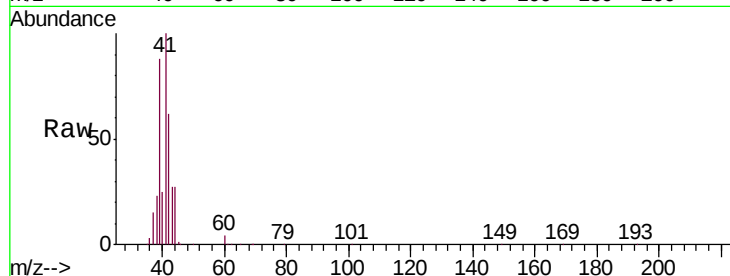
SV1DL

Tgt Ion: 41 Resp: 658621

Ion Ratio Lower Upper

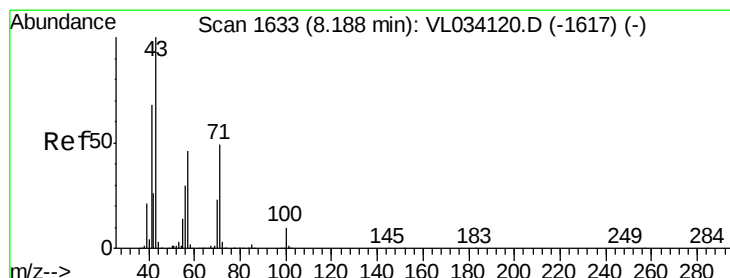
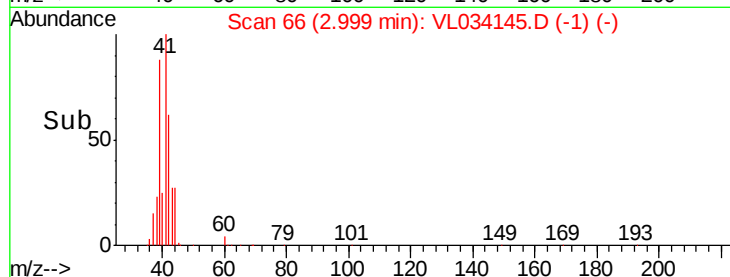
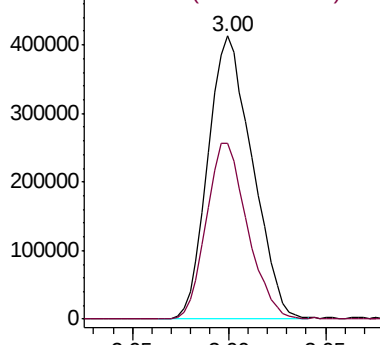
41 100

42 58.0 54.6 81.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 1.527 ppbv

RT: 8.18 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VL034145.D

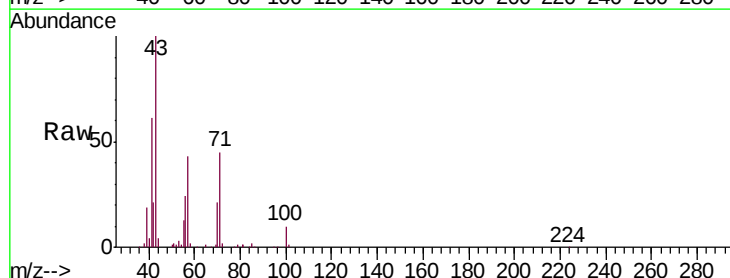
Acq: 10 Sep 2019 16:34

Tgt Ion: 43 Resp: 190662

Ion Ratio Lower Upper

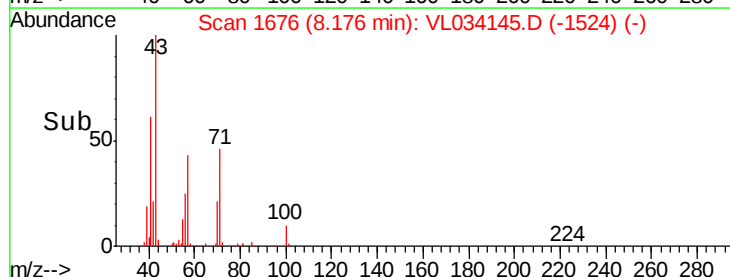
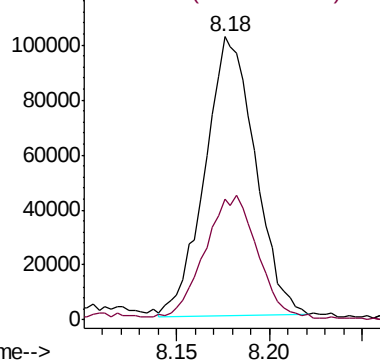
43 100

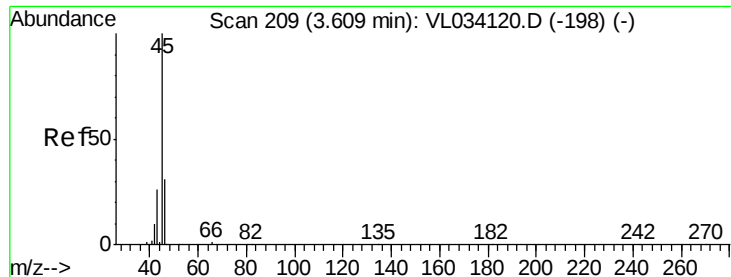
57 47.5 38.1 57.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#13

Ethanol

Concen: 11.784 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL034145.D

Acq: 10 Sep 2019 16:34

Instrument :

MSVOA_L

ClientSampleId :

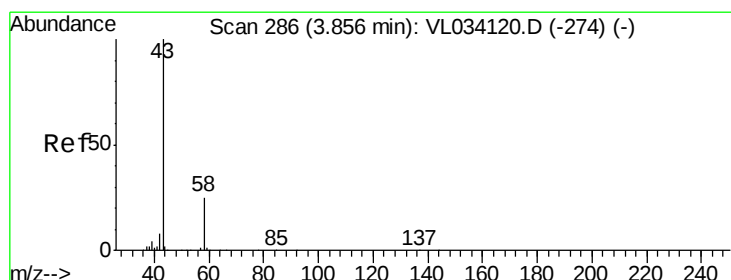
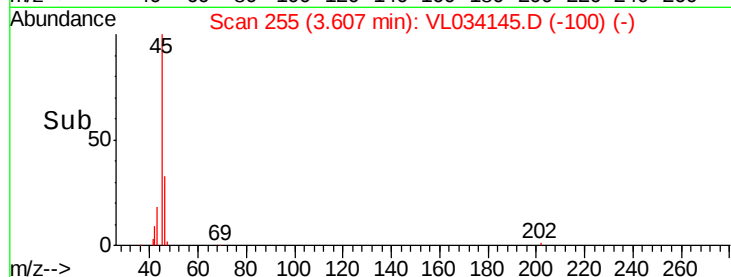
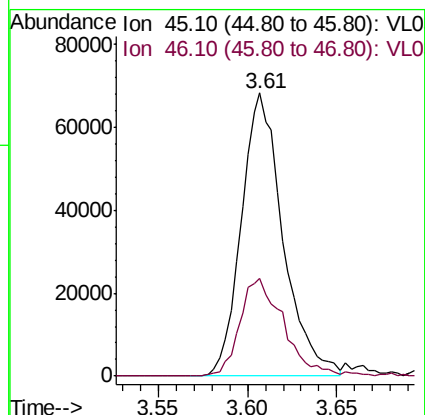
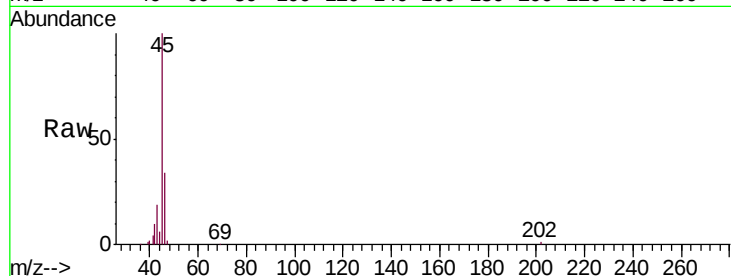
SV1DL

Tgt Ion: 45 Resp: 111042

Ion Ratio Lower Upper

45 100

46 36.9 15.0 60.0



#15

Acetone

Concen: 76.629 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.01 min

Lab File: VL034145.D

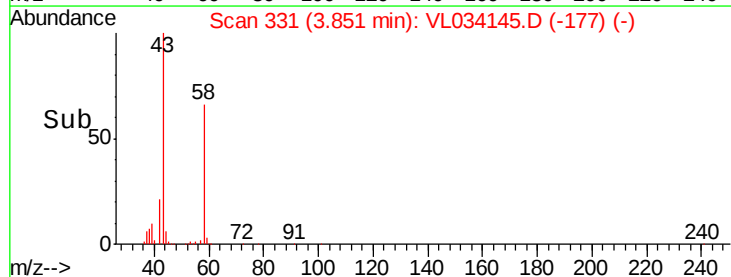
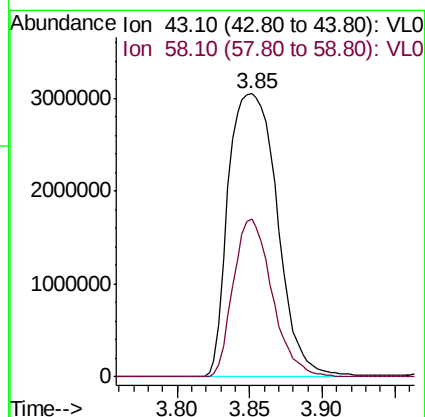
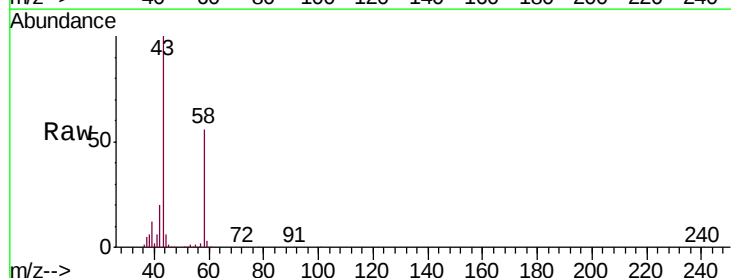
Acq: 10 Sep 2019 16:34

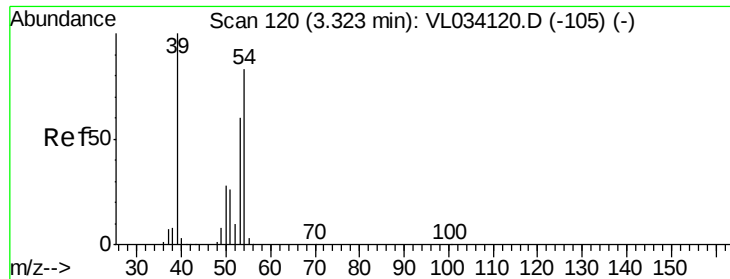
Tgt Ion: 43 Resp: 7122822

Ion Ratio Lower Upper

43 100

58 44.7 20.6 30.8#

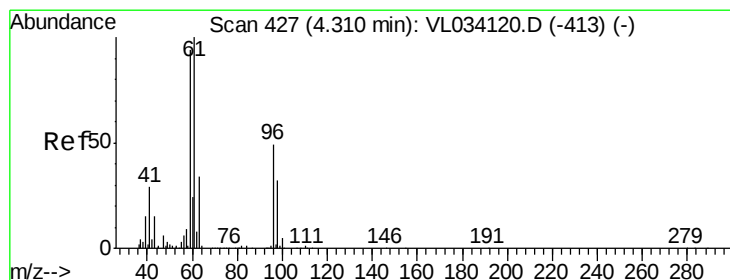
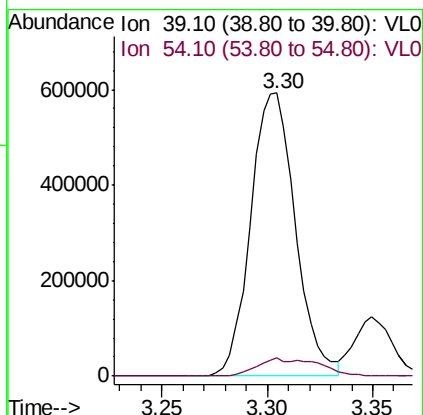
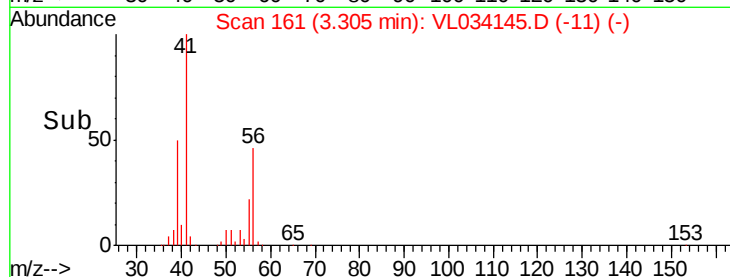
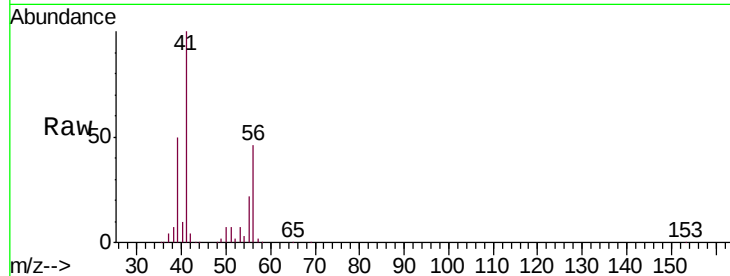




#16
 1,3-Butadiene
 Concen: 18.587 ppbv
 RT: 3.30 min Scan# 161
 Delta R.T. -0.02 min
 Lab File: VL034145.D
 Acq: 10 Sep 2019 16:34

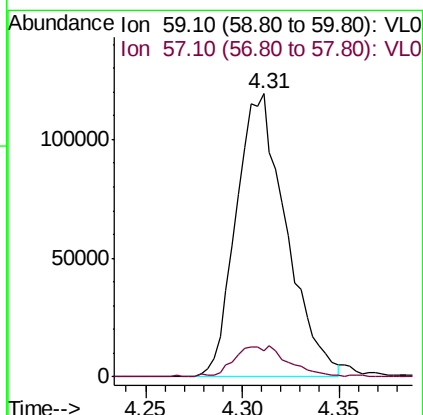
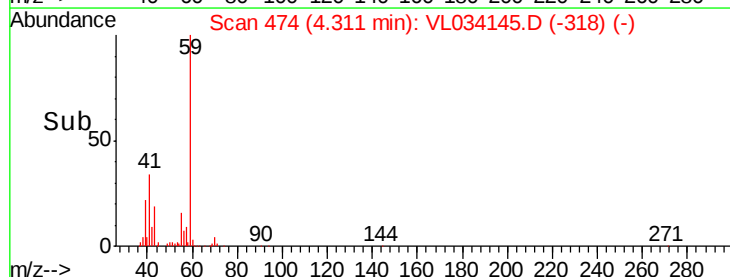
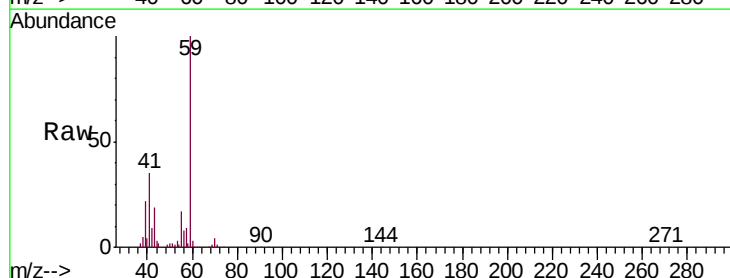
Instrument :
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 SV1DL

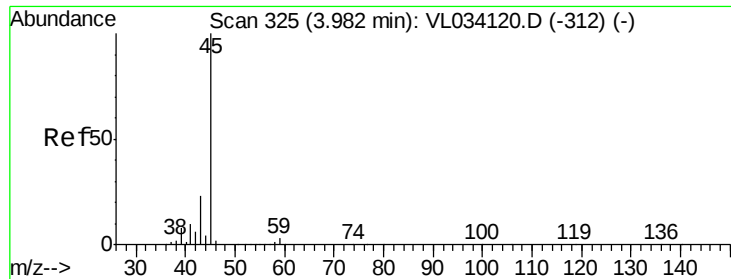
Tgt Ion: 39 Resp: 874967
 Ion Ratio Lower Upper
 39 100
 54 8.8 63.5 95.3#



#17
 tert-Butyl alcohol
 Concen: 3.152 ppbv
 RT: 4.31 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: VL034145.D
 Acq: 10 Sep 2019 16:34

Tgt Ion: 59 Resp: 212714
 Ion Ratio Lower Upper
 59 100
 57 12.5 8.6 12.8





#19

Isopropyl Alcohol

Concen: 5.688 ppbv

RT: 3.98 min Scan# 371

Delta R.T. -0.00 min

Lab File: VL034145.D

Acq: 10 Sep 2019 16:34

Instrument :

MSVOA_L

ClientSampleId :

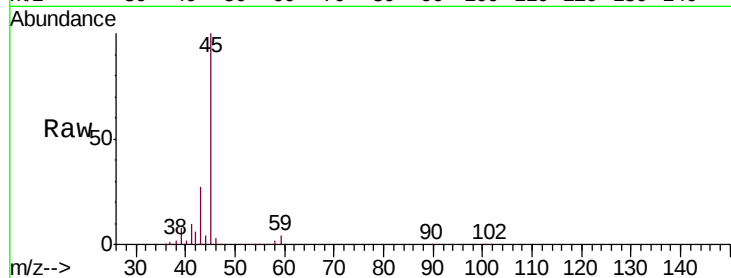
SV1DL

Tgt Ion: 45 Resp: 356844

Ion Ratio Lower Upper

45 100

58 0.0 1.0 1.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.98

200000

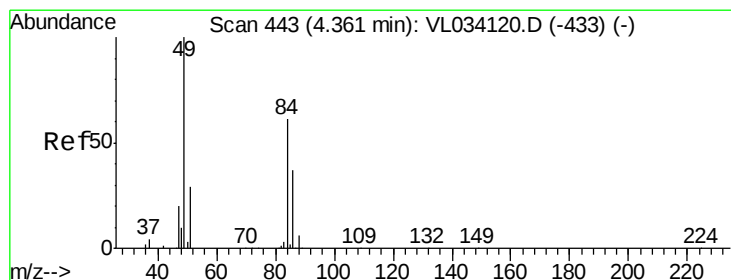
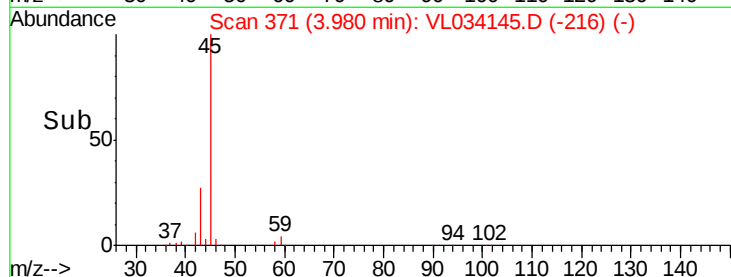
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100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 0.427 ppbv

RT: 4.37 min Scan# 492

Delta R.T. 0.01 min

Lab File: VL034145.D

Acq: 10 Sep 2019 16:34

Tgt Ion: 84 Resp: 13126

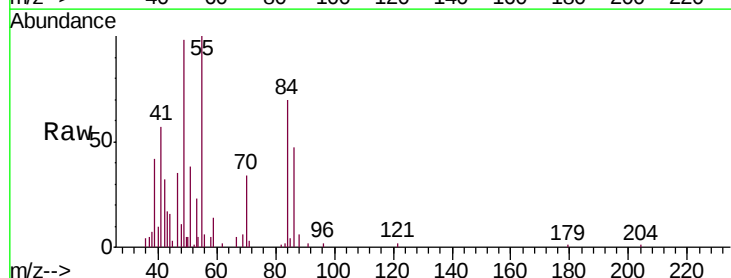
Ion Ratio Lower Upper

84 100

49 145.1 131.0 196.6

51 43.4 38.1 57.1

86 67.3 49.0 73.6



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

20000

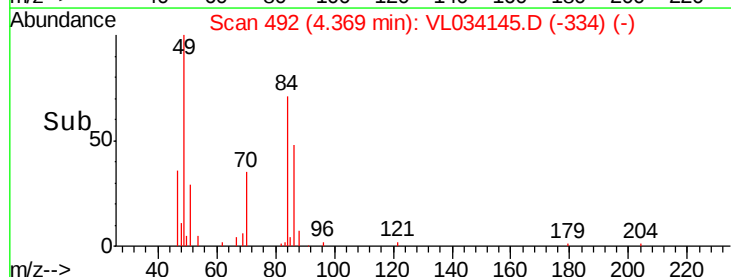
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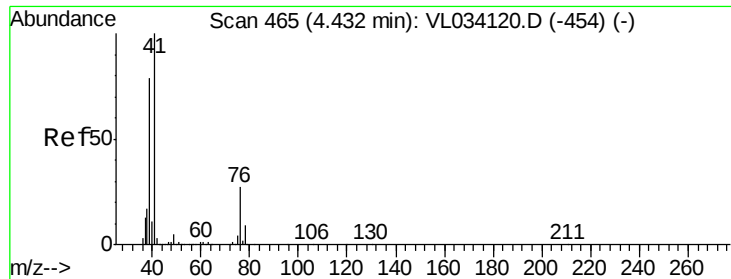
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5000

0

Time-->

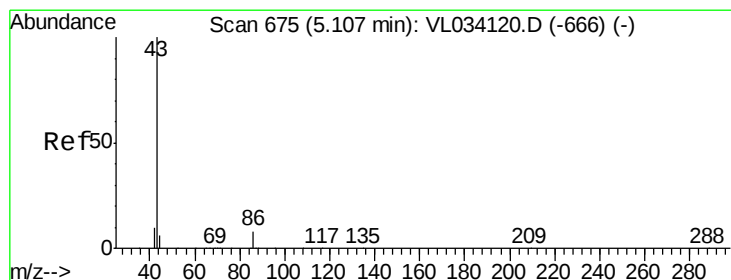
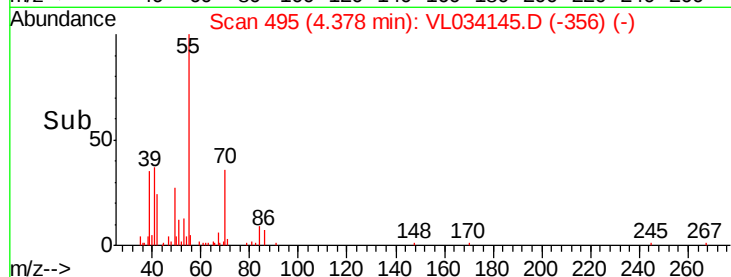
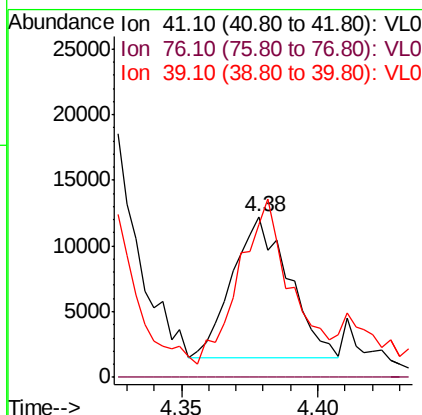
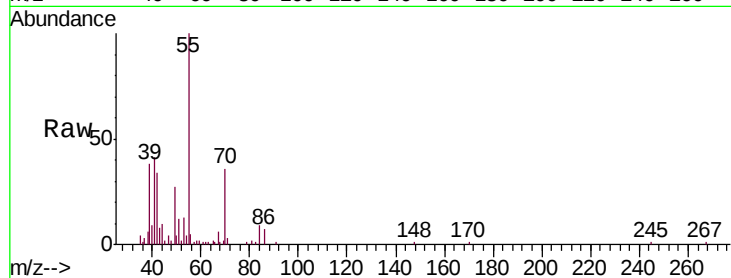




#21
 Allyl Chloride
 Concen: 0.254 ppbv
 RT: 4.38 min Scan# 495
 Delta R.T. -0.05 min
 Lab File: VL034145.D
 Acq: 10 Sep 2019 16:34

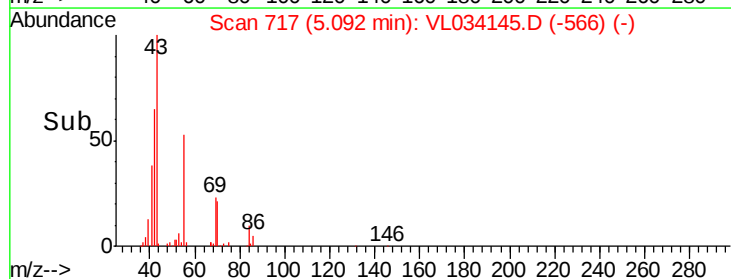
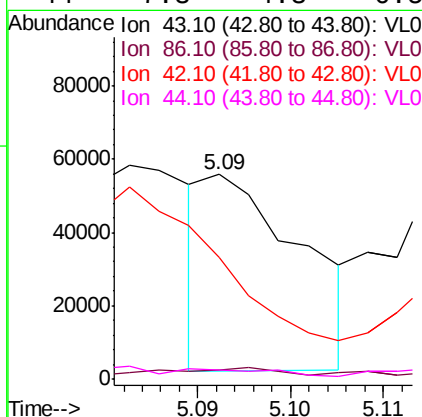
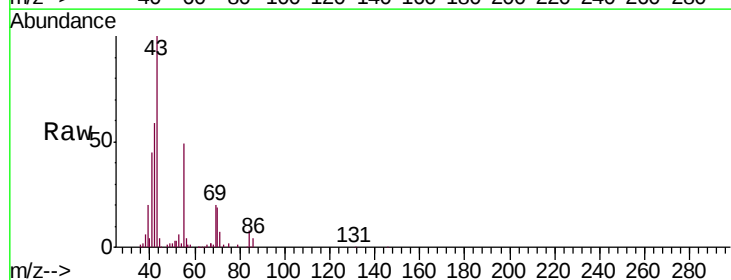
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

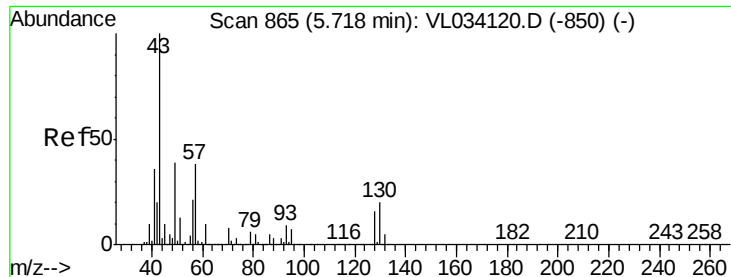
Tgt Ion: 41 Resp: 15589
 Ion Ratio Lower Upper
 41 100
 76 0.0 21.6 32.4#
 39 153.3 65.0 97.4#



#23
 Vinyl Acetate
 Concen: 0.245 ppbv
 RT: 5.09 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VL034145.D
 Acq: 10 Sep 2019 16:34

Tgt Ion: 43 Resp: 38583
 Ion Ratio Lower Upper
 43 100
 86 2.4 5.5 8.3#
 42 91.9 8.2 12.4#
 44 7.3 4.3 6.5#

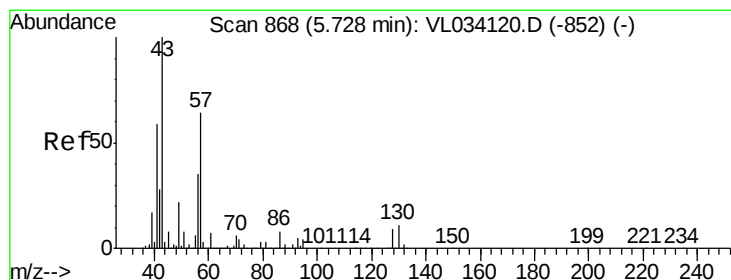
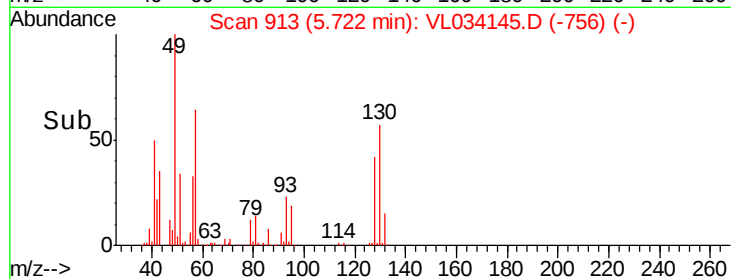
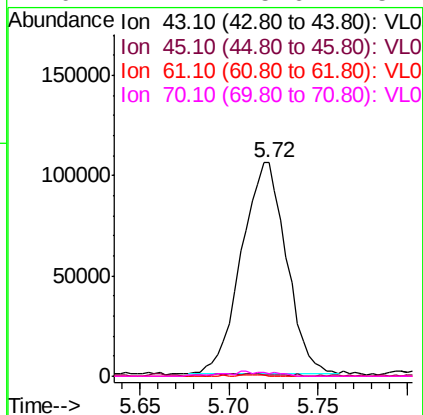
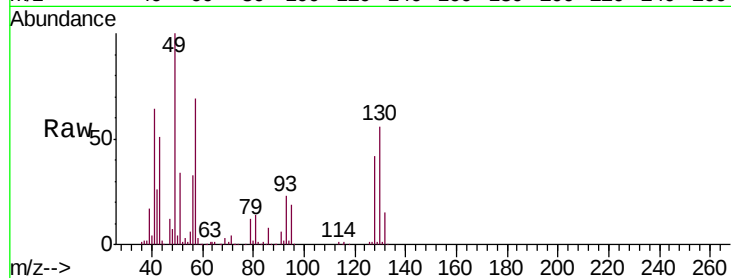




#25
Ethyl Acetate
Concen: 0.906 ppbv
RT: 5.72 min Scan# 913
Delta R.T. 0.00 min
Lab File: VL034145.D
Acq: 10 Sep 2019 16:34

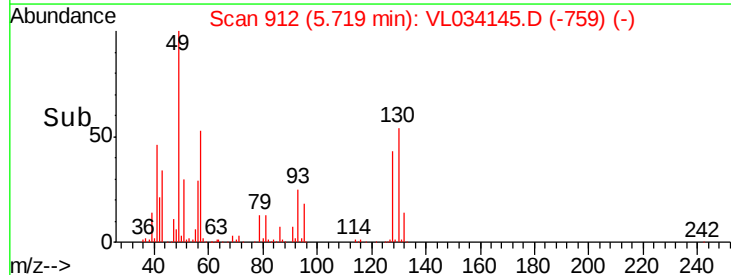
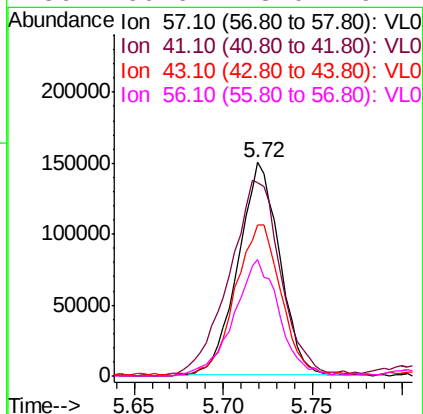
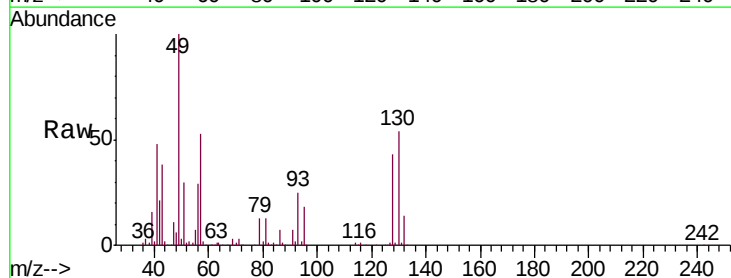
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

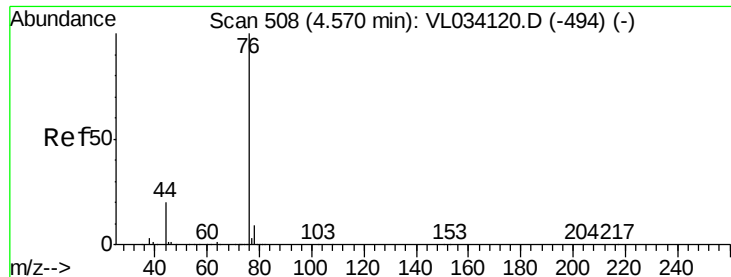
Tgt Ion:	43	Resp:	184852
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.4#
61	0.5	7.4	11.2#
70	2.7	5.6	8.4#



#26
Hexane
Concen: 2.690 ppbv
RT: 5.72 min Scan# 912
Delta R.T. -0.01 min
Lab File: VL034145.D
Acq: 10 Sep 2019 16:34

Tgt Ion:	57	Resp:	244049
Ion	Ratio	Lower	Upper
57	100		
41	113.9	76.6	115.0
43	77.3	189.2	283.8#
56	60.6	43.0	64.4





#27

Carbon Disulfide

Concen: 0.973 ppbv

RT: 4.57 min Scan# 554

Delta R.T. -0.00 min

Lab File: VL034145.D

Acq: 10 Sep 2019 16:34

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

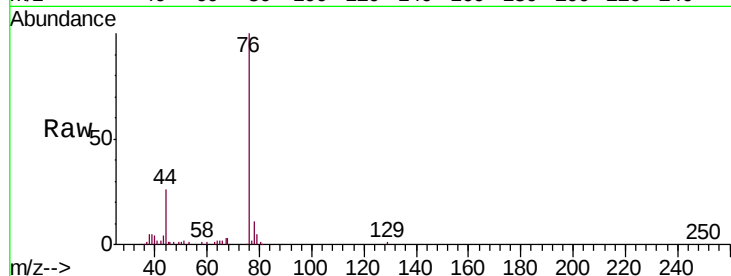
Tgt Ion: 76 Resp: 79683

Ion Ratio Lower Upper

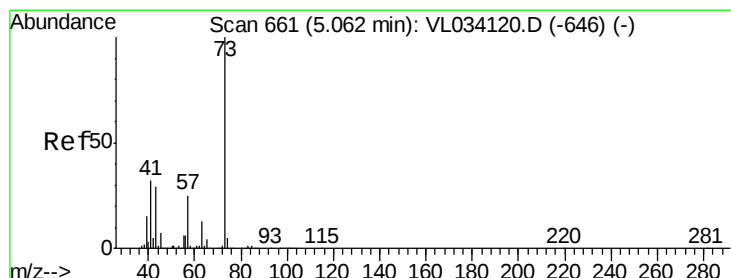
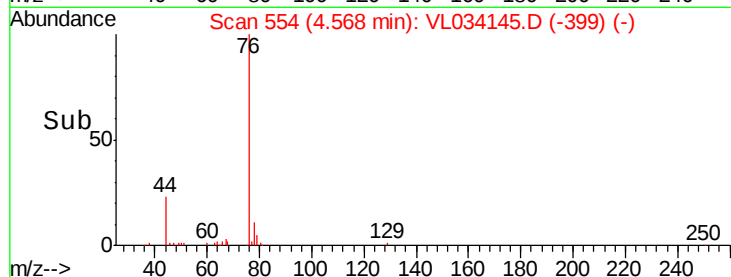
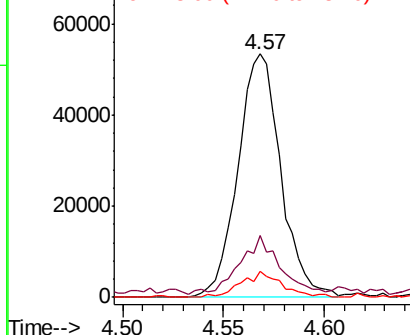
76 100

44 24.9 17.6 26.4

78 10.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.056 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.00 min

Lab File: VL034145.D

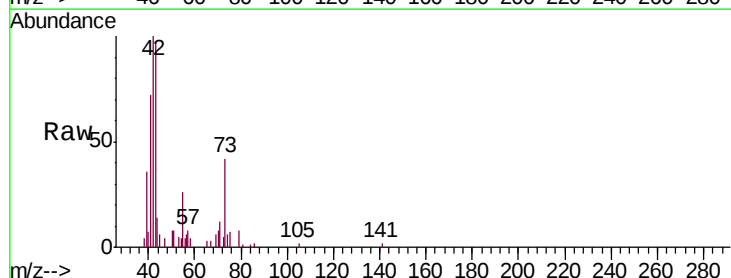
Acq: 10 Sep 2019 16:34

Tgt Ion: 73 Resp: 7413

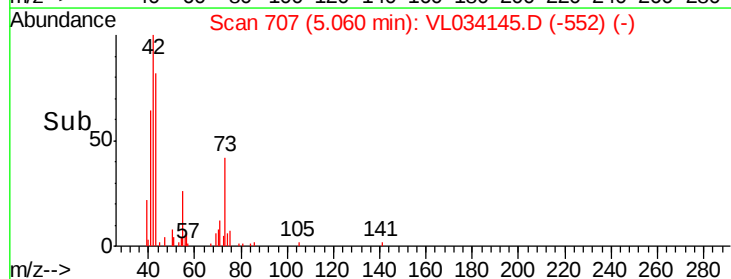
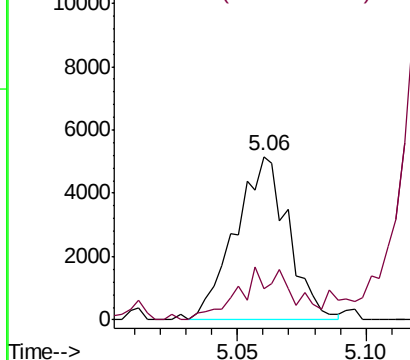
Ion Ratio Lower Upper

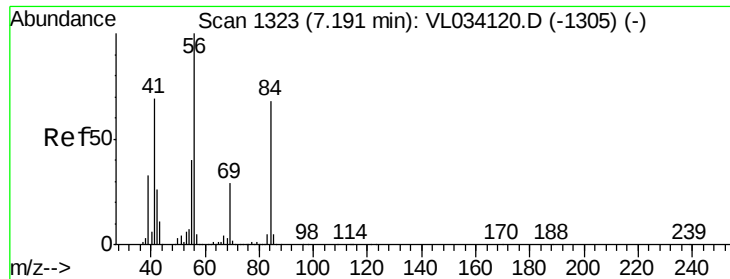
73 100

57 0.0 19.8 29.8#



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

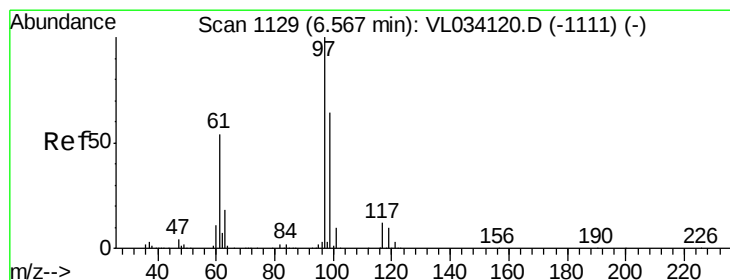
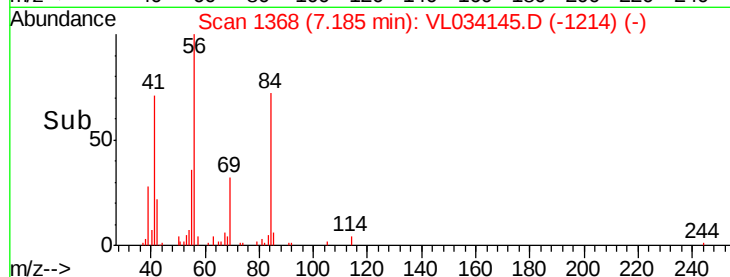
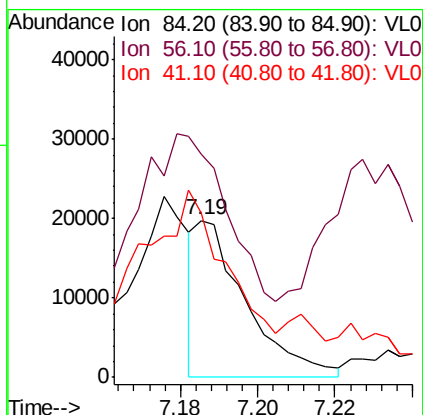
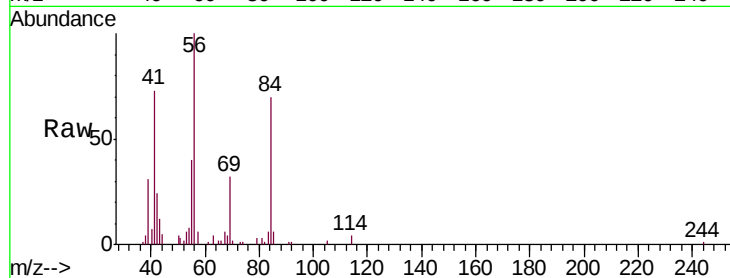




#30
Cyclohexane
Concen: 0.272 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VL034145.D
Acq: 10 Sep 2019 16:34

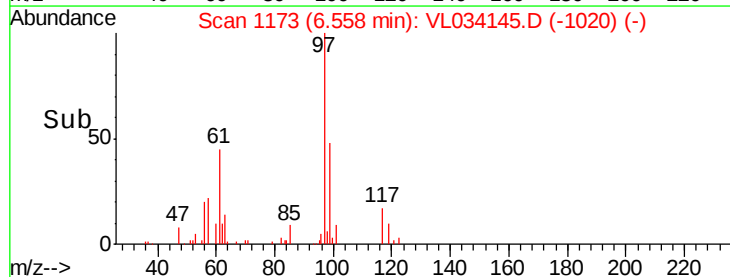
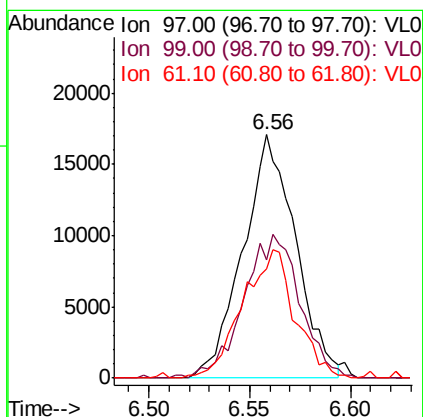
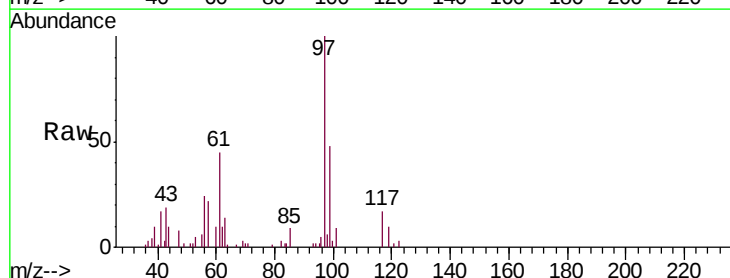
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

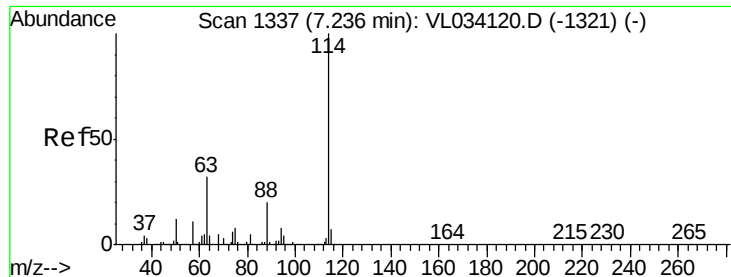
Tgt Ion: 84 Resp: 17823
Ion Ratio Lower Upper
84 100
56 348.1 122.6 183.8#
41 286.5 79.1 118.7#



#32
1,1,1-Trichloroethane
Concen: 0.270 ppbv
RT: 6.56 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VL034145.D
Acq: 10 Sep 2019 16:34

Tgt Ion: 97 Resp: 31171
Ion Ratio Lower Upper
97 100
99 63.2 51.7 77.5
61 53.7 44.0 66.0

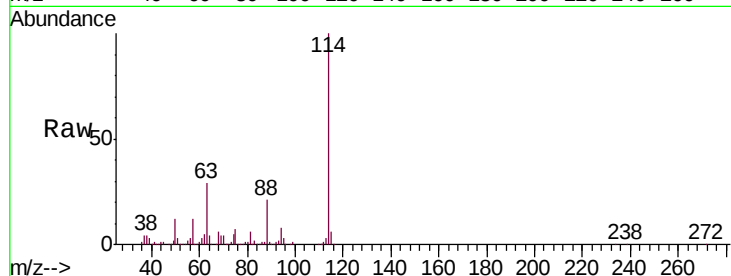




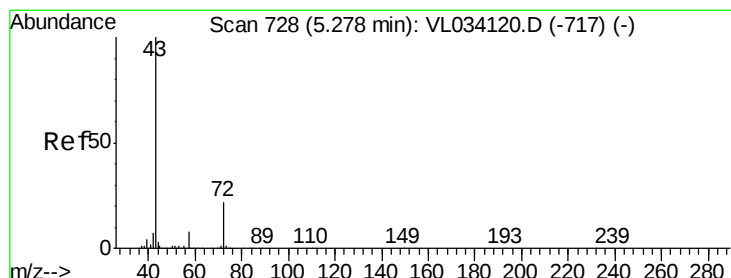
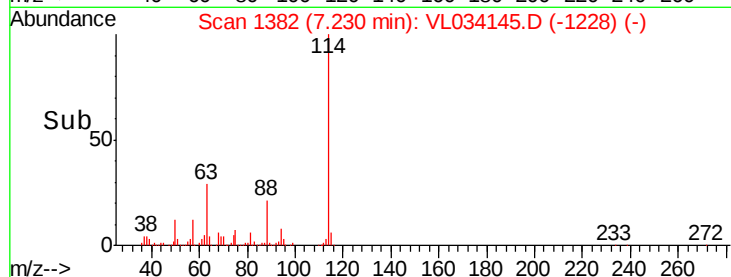
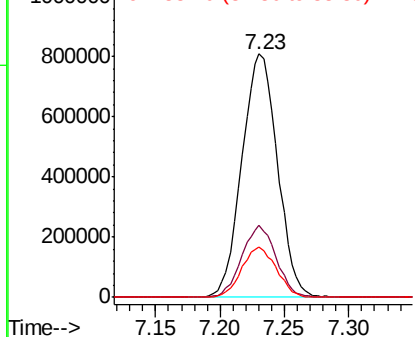
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.23 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VL034145.D
 Acq: 10 Sep 2019 16:34

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tgt Ion: 114 Resp: 1553029
 Ion Ratio Lower Upper
 114 100
 63 28.7 25.5 38.3
 88 20.3 16.8 25.2

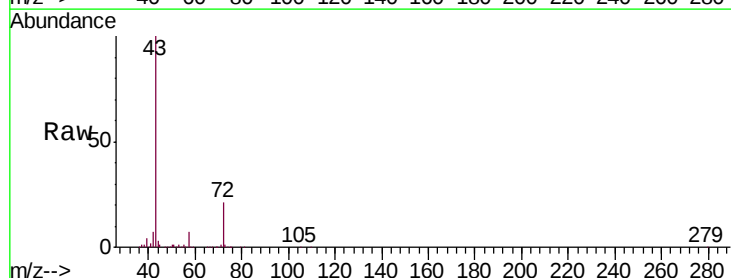


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

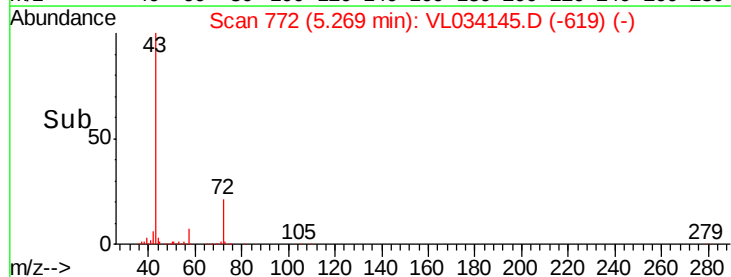
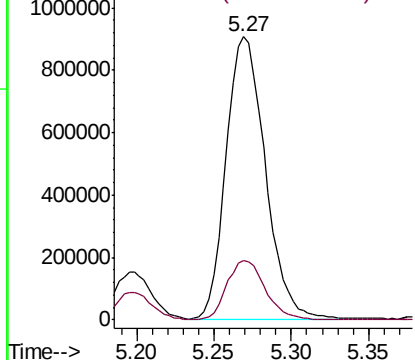


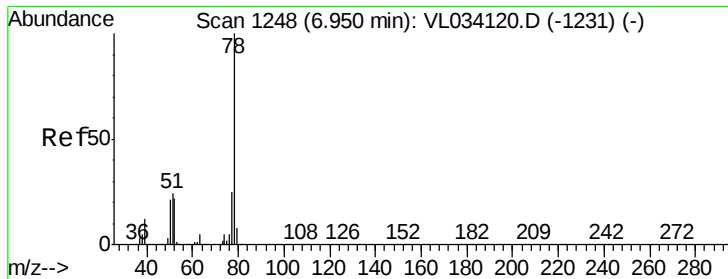
#34
 2-Butanone
 Concen: 10.598 ppbv
 RT: 5.27 min Scan# 772
 Delta R.T. -0.01 min
 Lab File: VL034145.D
 Acq: 10 Sep 2019 16:34

Tgt Ion: 43 Resp: 1582310
 Ion Ratio Lower Upper
 43 100
 72 20.8 16.5 24.7



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





#36

Benzene

Concen: 0.715 ppbv

RT: 6.94 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VL034145.D

Acq: 10 Sep 2019 16:34

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

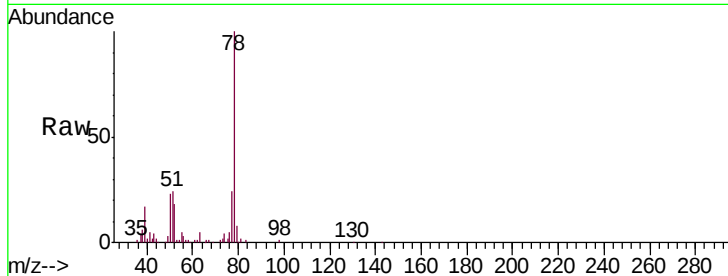
Tgt Ion: 78 Resp: 126858

Ion Ratio Lower Upper

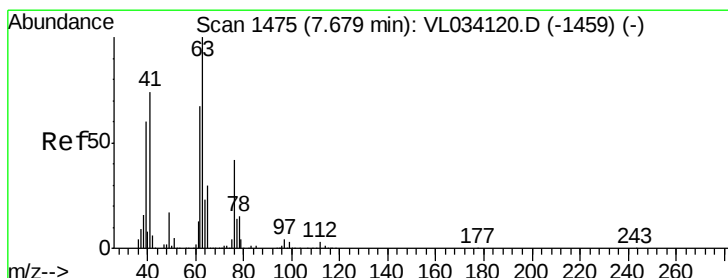
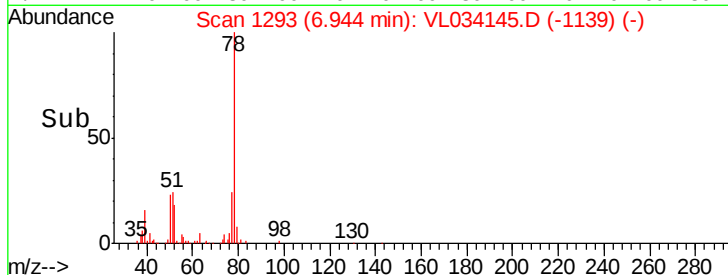
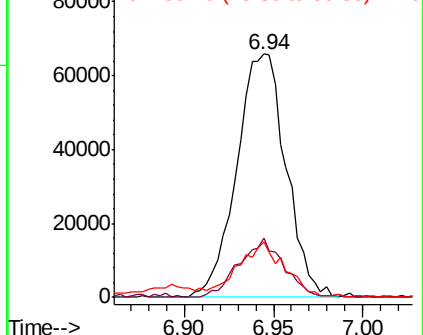
78 100

77 24.5 20.3 30.5

50 21.2 16.9 25.3



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



#39

1,2-Dichloropropane

Concen: 5.775 ppbv

RT: 7.23 min Scan# 1382

Delta R.T. -0.45 min

Lab File: VL034145.D

Acq: 10 Sep 2019 16:34

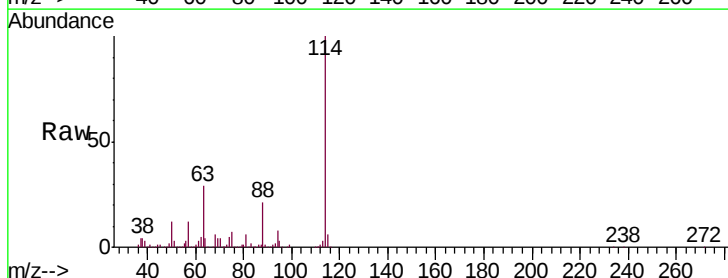
Tgt Ion: 63 Resp: 438681

Ion Ratio Lower Upper

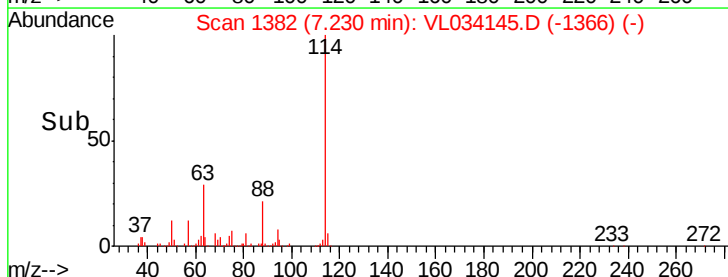
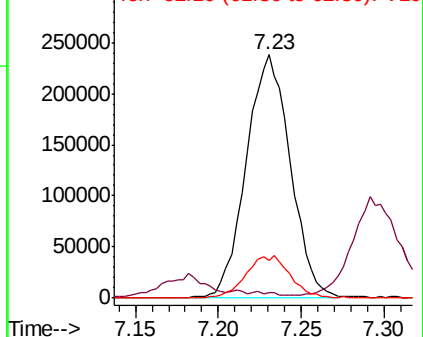
63 100

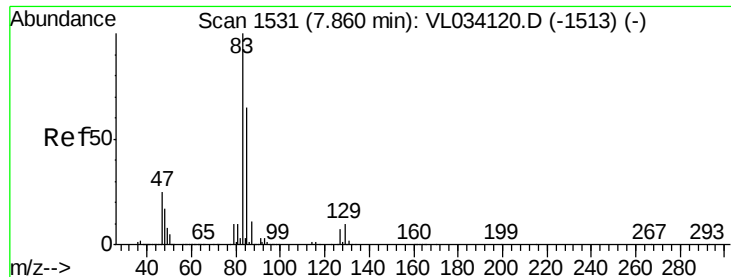
41 0.0 59.3 88.9#

62 15.5 53.8 80.6#



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





#42

Bromodichloromethane

Concen: 0.031 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. -0.01 min

Lab File: VL034145.D

Acq: 10 Sep 2019 16:34

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

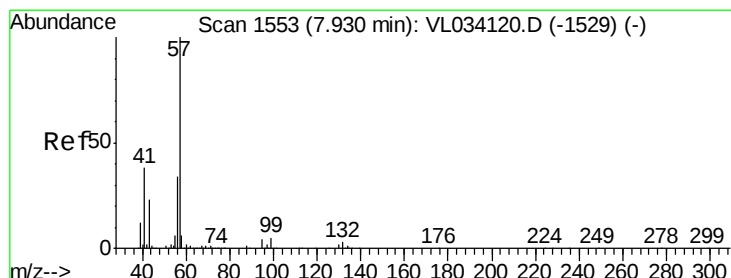
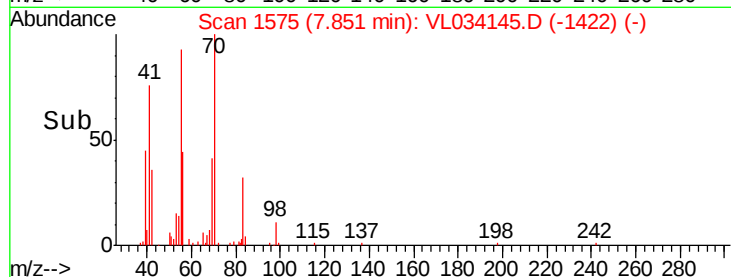
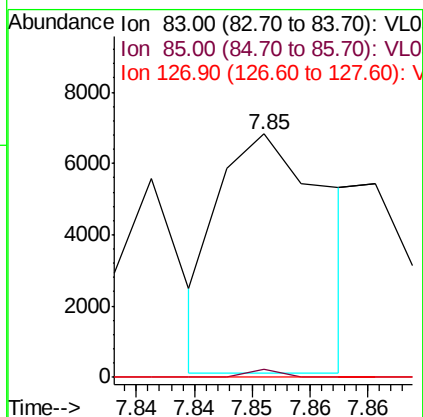
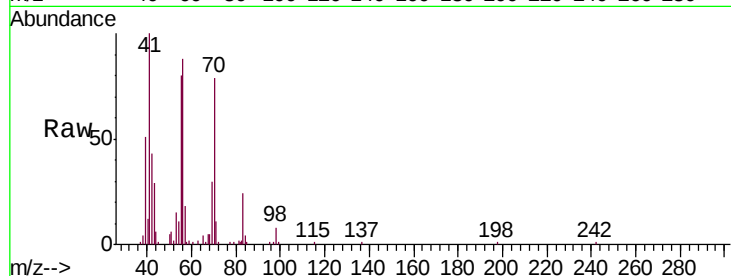
Tgt Ion: 83 Resp: 4431

Ion Ratio Lower Upper

83 100

85 5.0 51.6 77.4#

127 0.0 5.4 8.0#



#44

2,2,4-Trimethylpentane

Concen: 0.370 ppbv

RT: 7.92 min Scan# 1597

Delta R.T. -0.01 min

Lab File: VL034145.D

Acq: 10 Sep 2019 16:34

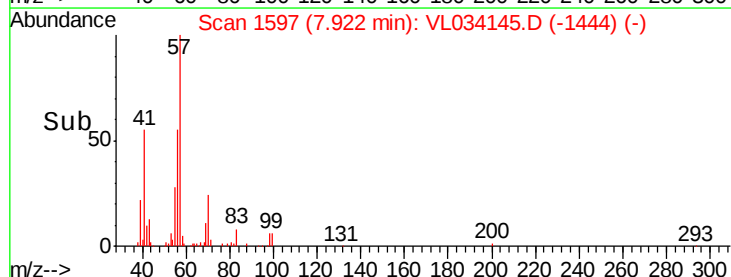
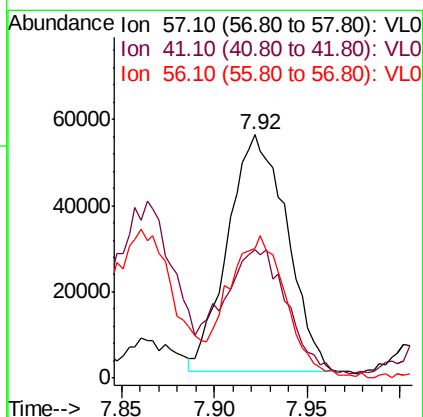
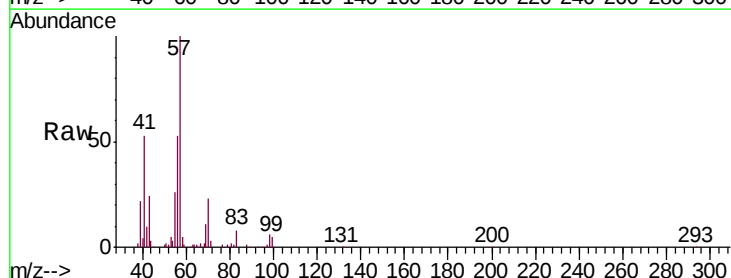
Tgt Ion: 57 Resp: 121199

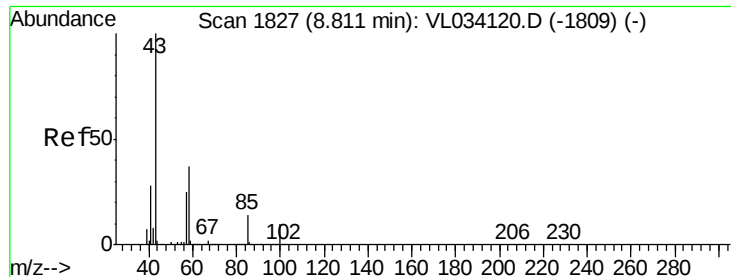
Ion Ratio Lower Upper

57 100

41 55.9 28.4 42.6#

56 58.7 26.3 39.5#

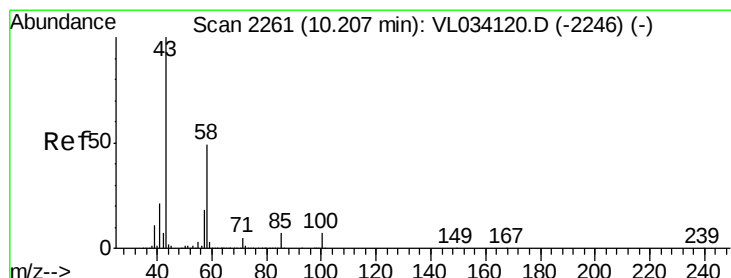
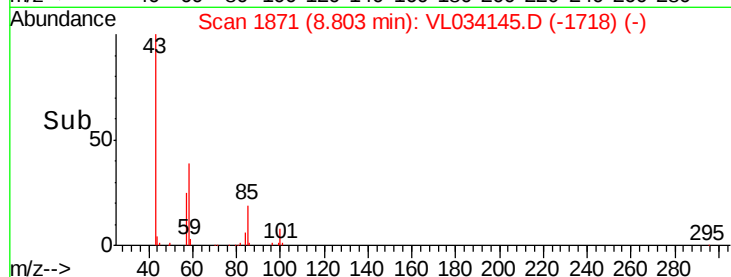
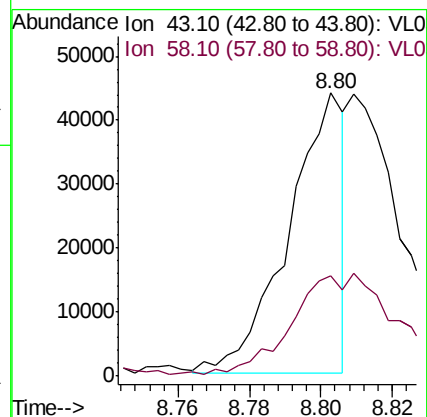
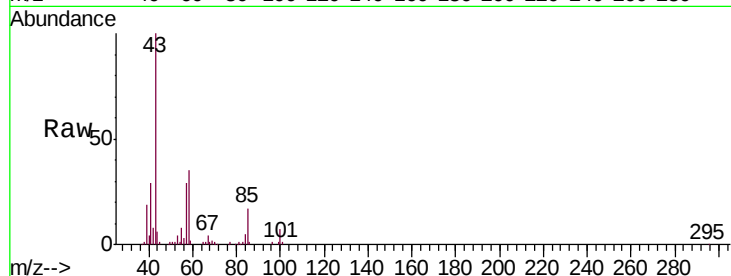




#50
4-Methyl-2-Pentanone
Concen: 0.207 ppbv
RT: 8.80 min Scan# 1871
Delta R.T. -0.01 min
Lab File: VL034145.D
Acq: 10 Sep 2019 16:34

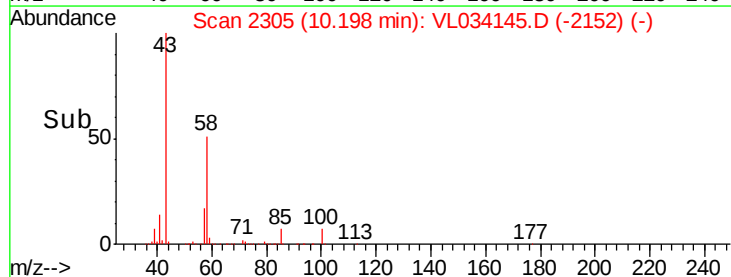
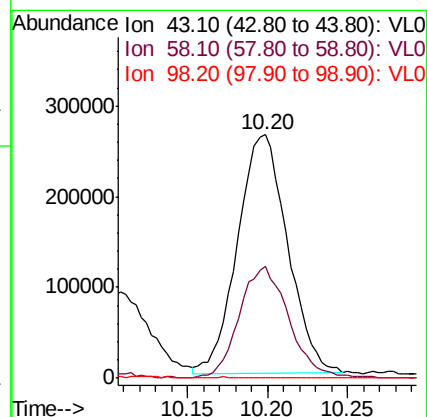
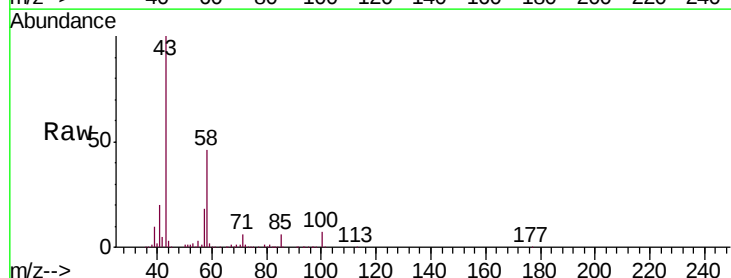
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

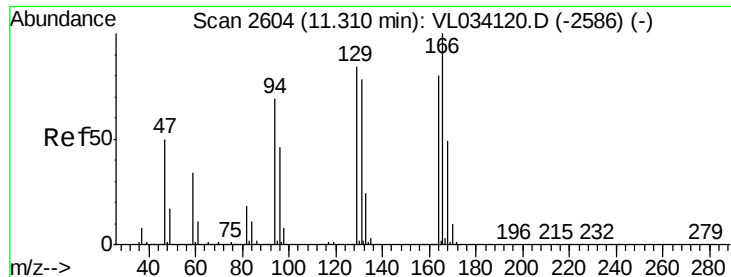
Tgt Ion: 43 Resp: 47158
Ion Ratio Lower Upper
43 100
58 0.0 28.5 42.7#



#51
2-Hexanone
Concen: 2.859 ppbv
RT: 10.20 min Scan# 2305
Delta R.T. -0.01 min
Lab File: VL034145.D
Acq: 10 Sep 2019 16:34

Tgt Ion: 43 Resp: 562617
Ion Ratio Lower Upper
43 100
58 45.8 38.2 57.2
98 0.2 0.1 0.1#





#52

Tetrachloroethene

Concen: 4.067 ppbv

RT: 11.30 min Scan# 2648

Delta R.T. -0.01 min

Lab File: VL034145.D

Acq: 10 Sep 2019 16:34

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion:164 Resp: 254576

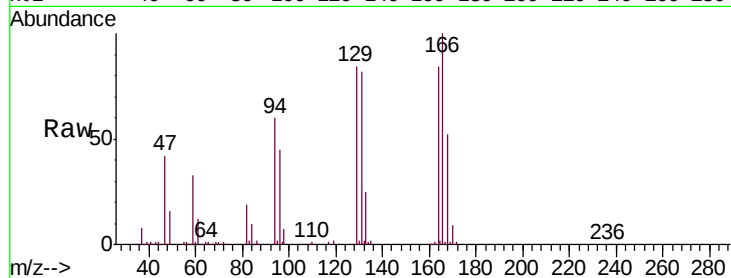
Ion Ratio Lower Upper

164 100

166 119.3 99.5 149.3

129 100.0 83.6 125.4

131 98.2 77.9 116.9

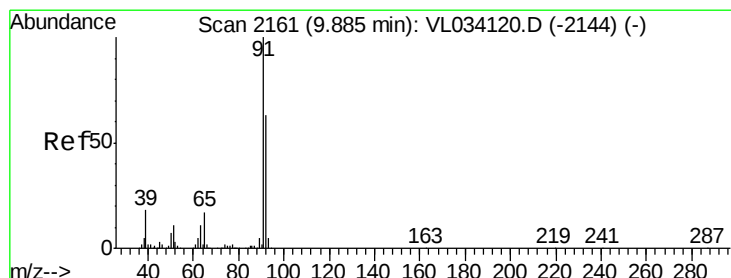
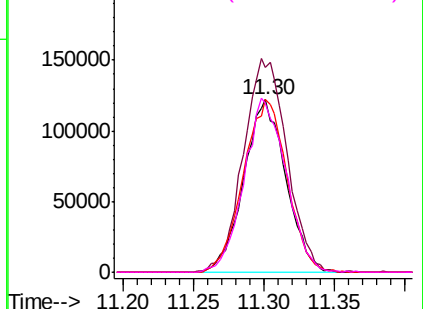
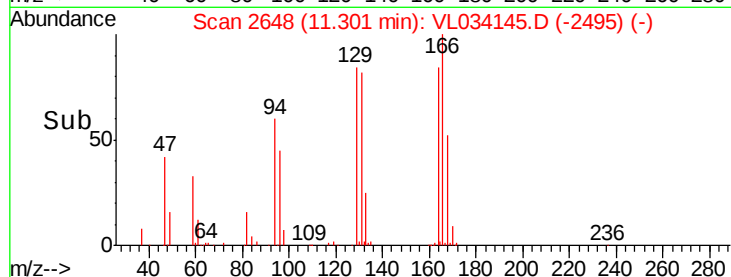


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.682 ppbv

RT: 9.87 min Scan# 2204

Delta R.T. -0.01 min

Lab File: VL034145.D

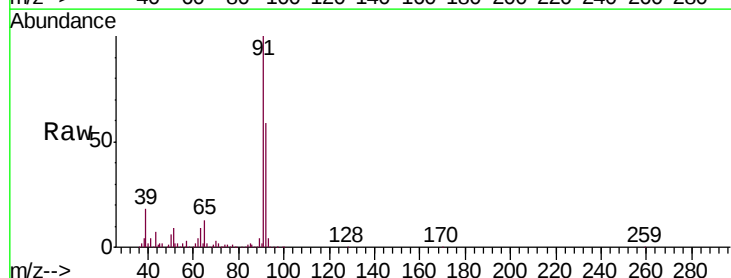
Acq: 10 Sep 2019 16:34

Tgt Ion: 91 Resp: 526492

Ion Ratio Lower Upper

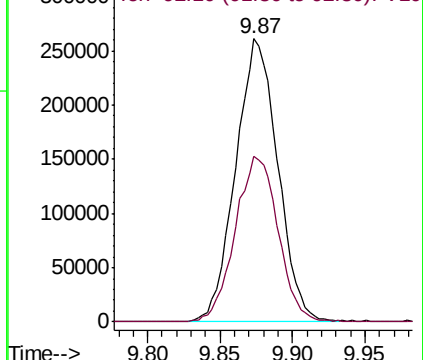
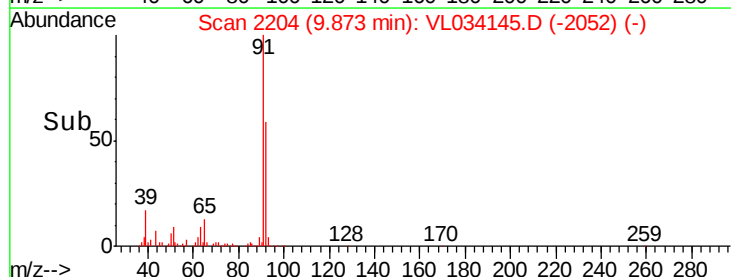
91 100

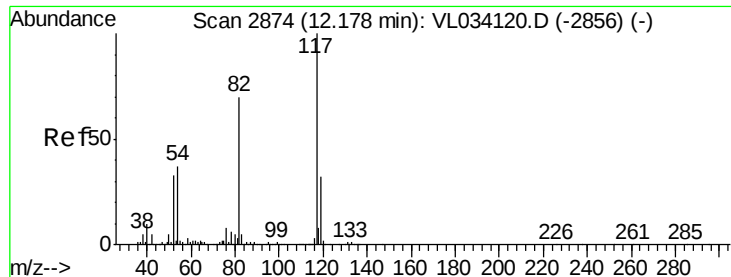
92 59.7 49.3 73.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

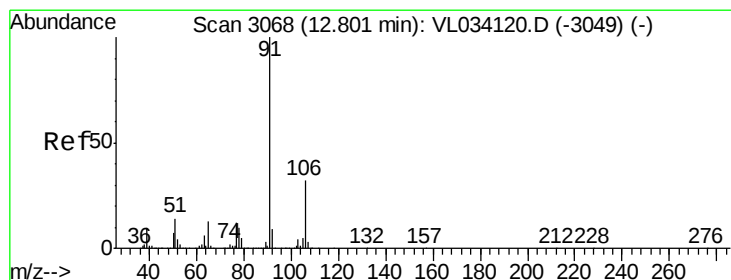
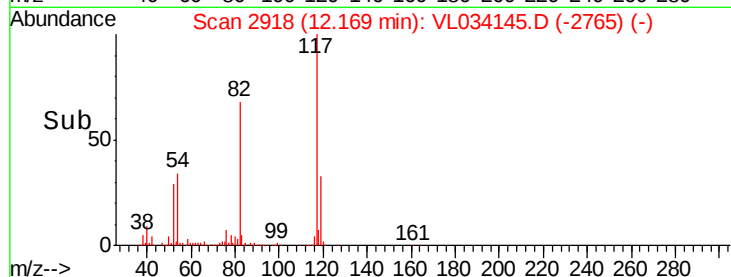
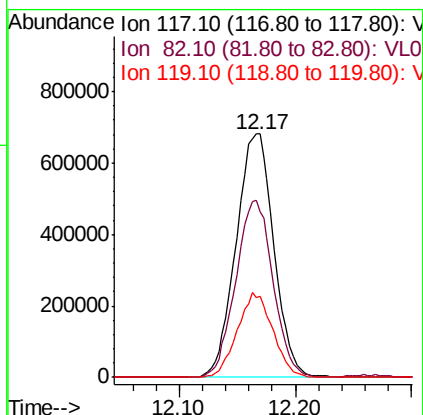
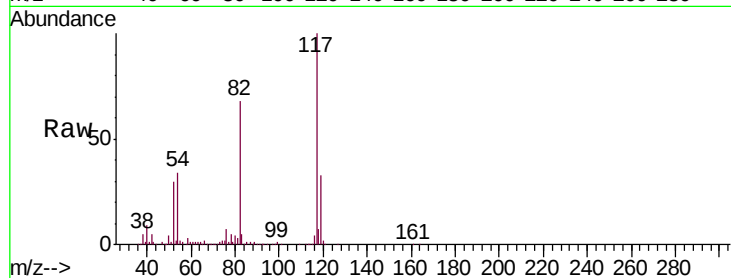




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.01 min
Lab File: VL034145.D
Acq: 10 Sep 2019 16:34

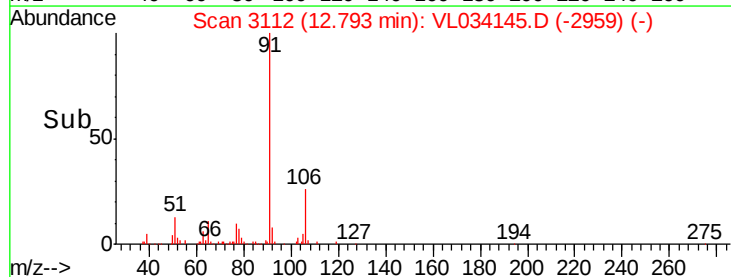
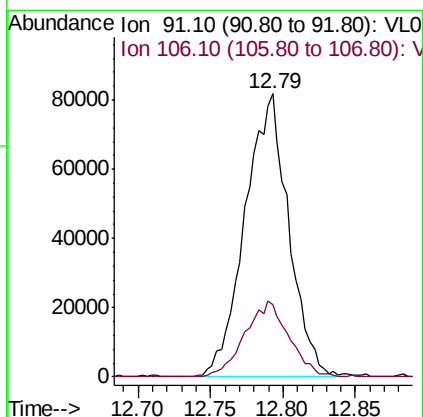
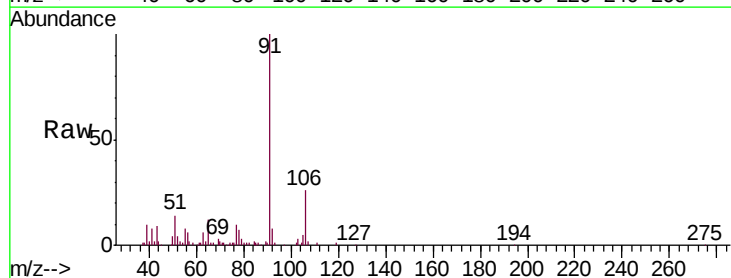
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

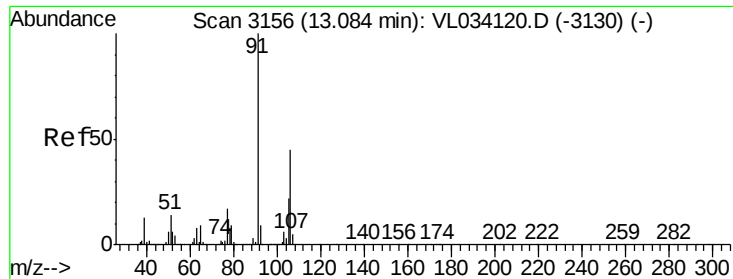
Tgt Ion: 117 Resp: 1539889
Ion Ratio Lower Upper
117 100
82 71.9 55.8 83.6
119 32.8 43.1 64.7#



#58
Ethyl Benzene
Concen: 0.679 ppbv
RT: 12.79 min Scan# 3112
Delta R.T. -0.01 min
Lab File: VL034145.D
Acq: 10 Sep 2019 16:34

Tgt Ion: 91 Resp: 171365
Ion Ratio Lower Upper
91 100
106 25.7 25.3 37.9

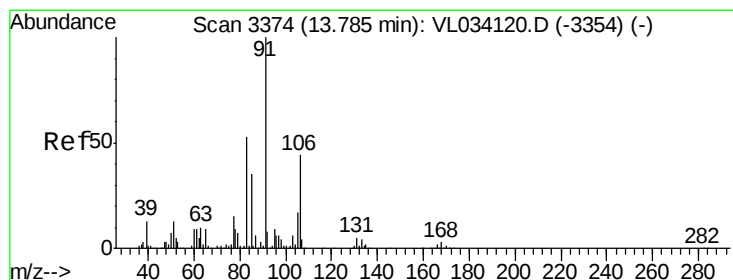
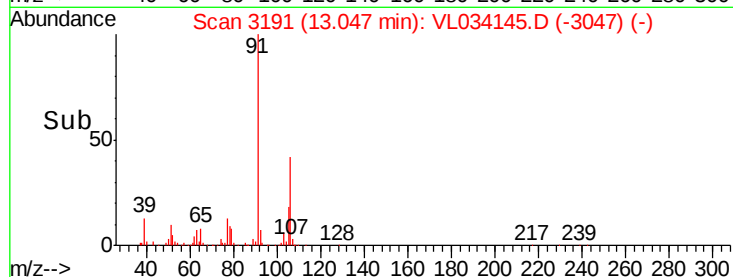
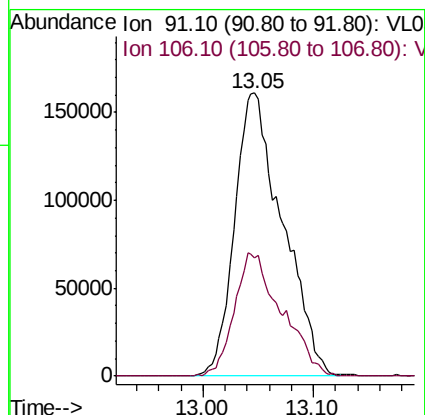
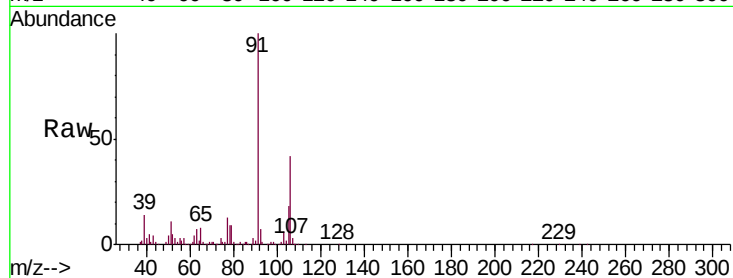




#59
m/p-Xylene
Concen: 2.343 ppbv
RT: 13.05 min Scan# 3191
Delta R.T. -0.04 min
Lab File: VL034145.D
Acq: 10 Sep 2019 16:34

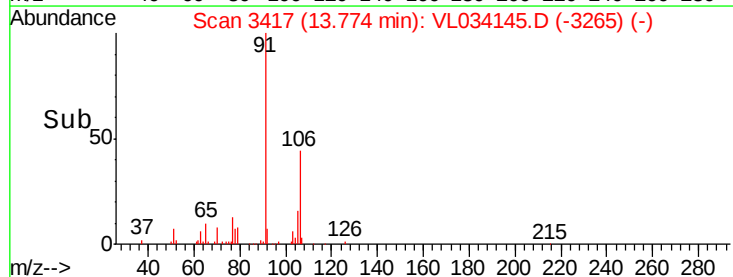
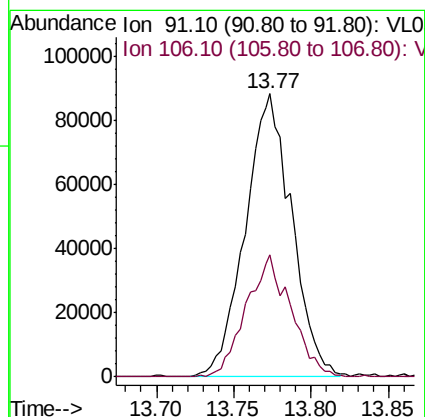
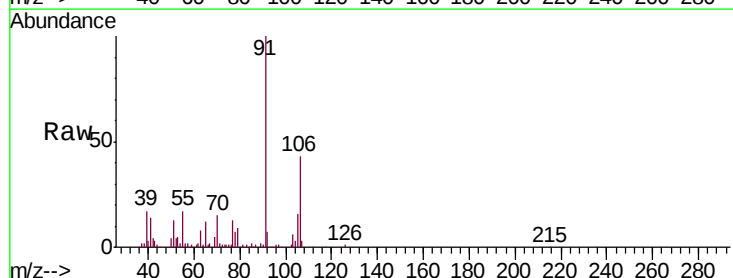
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

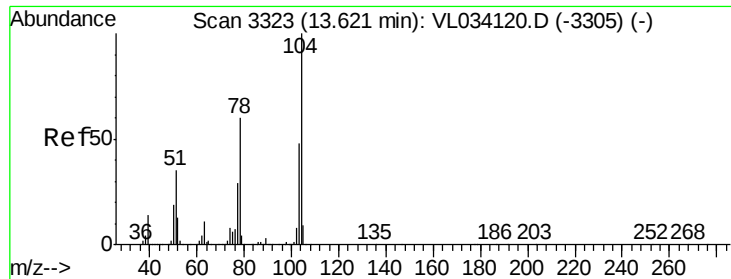
Tgt Ion: 91 Resp: 482521
Ion Ratio Lower Upper
91 100
106 42.9 35.4 53.2



#60
o-Xylene
Concen: 0.898 ppbv
RT: 13.77 min Scan# 3417
Delta R.T. -0.01 min
Lab File: VL034145.D
Acq: 10 Sep 2019 16:34

Tgt Ion: 91 Resp: 184299
Ion Ratio Lower Upper
91 100
106 41.6 21.4 64.3





#61

Styrene

Concen: 0.043 ppbv

RT: 13.61 min Scan# 3366

Delta R.T. -0.01 min

Lab File: VL034145.D

Acq: 10 Sep 2019 16:34

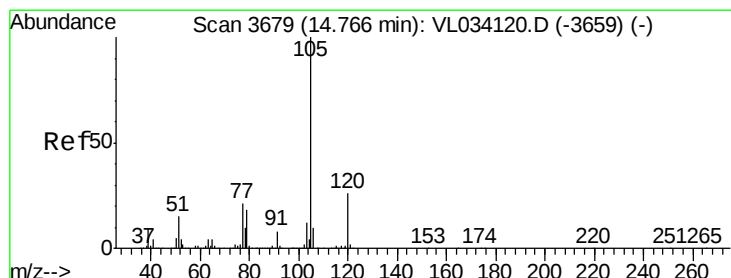
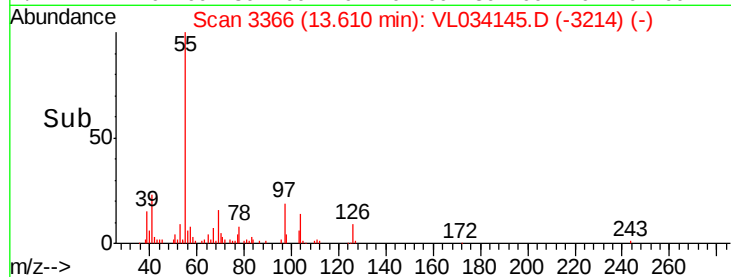
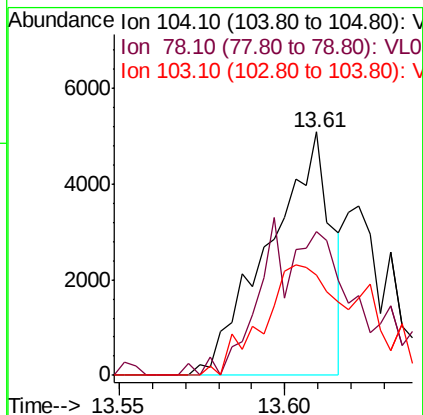
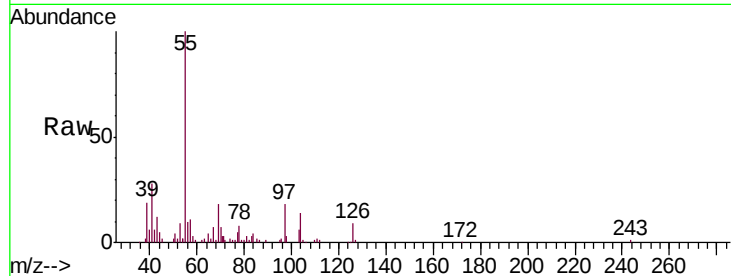
Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion:	104	Resp:	6669
Ion	Ratio	Lower	Upper
104	100		
78	97.1	47.8	71.6#
103	71.8	38.7	58.1#



#62

Isopropylbenzene

Concen: 0.049 ppbv

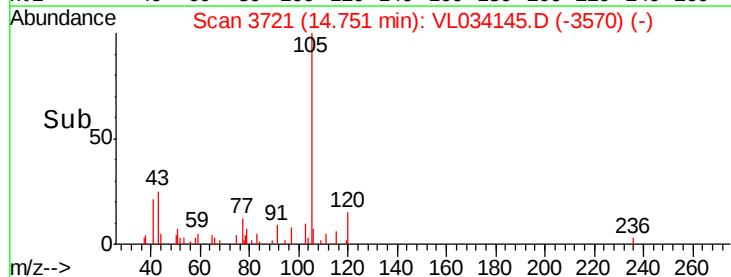
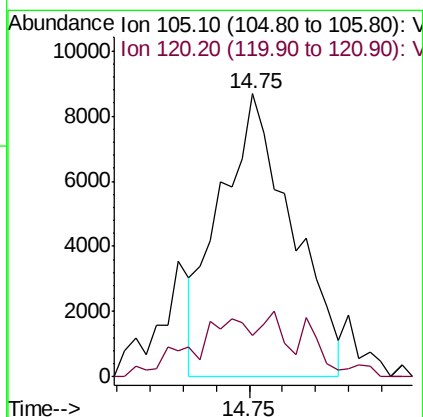
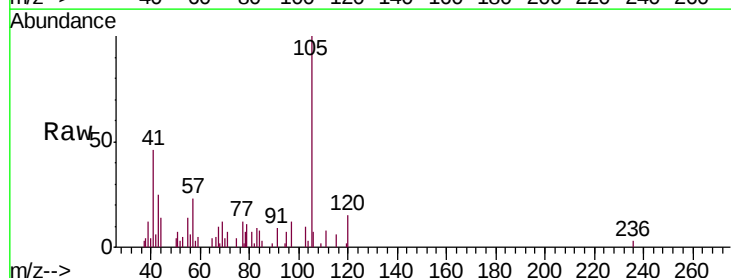
RT: 14.75 min Scan# 3721

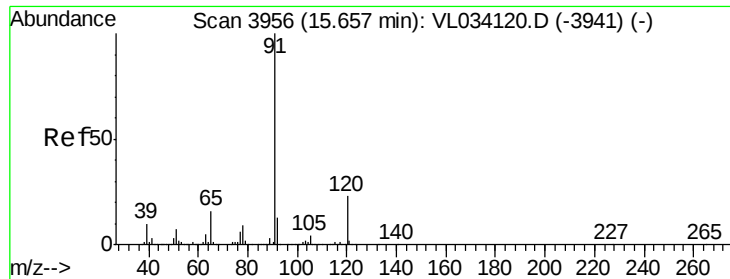
Delta R.T. -0.02 min

Lab File: VL034145.D

Acq: 10 Sep 2019 16:34

Tgt Ion:	105	Resp:	13132
Ion	Ratio	Lower	Upper
105	100		
120	32.0	20.6	31.0#





#64

n-propylbenzene

Concen: 0.108 ppbv

RT: 15.65 min Scan# 4000

Delta R.T. -0.01 min

Lab File: VL034145.D

Acq: 10 Sep 2019 16:34

Instrument :

MSVOA_L

ClientSampleId :

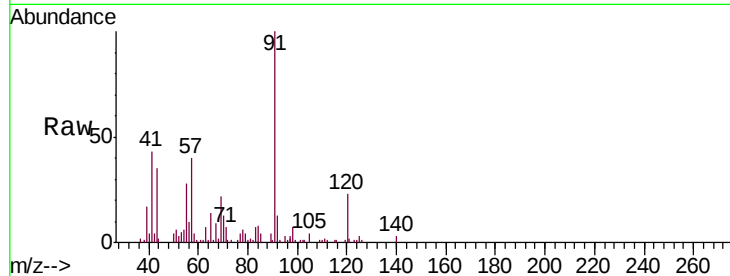
SV1DL

Tgt Ion:120 Resp: 7252

Ion Ratio Lower Upper

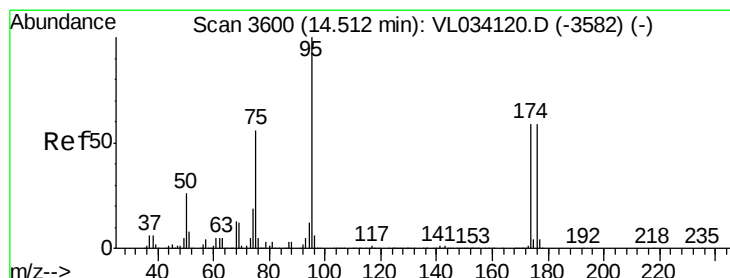
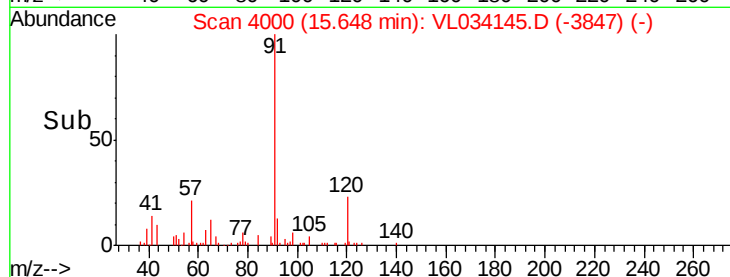
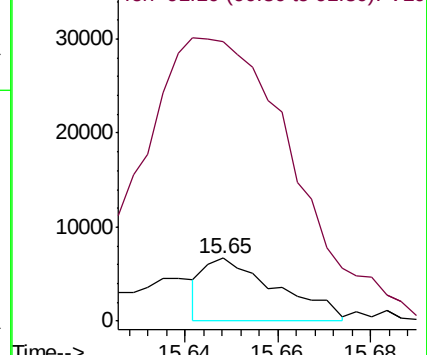
120 100

91 0.0 376.8 565.2#



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: 10.301 ppbv

RT: 14.50 min Scan# 3643

Delta R.T. -0.01 min

Lab File: VL034145.D

Acq: 10 Sep 2019 16:34

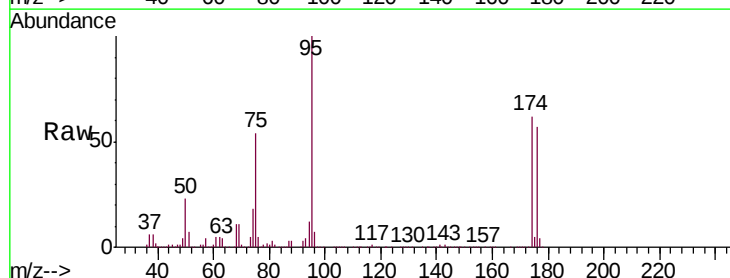
Tgt Ion: 95 Resp: 1296721

Ion Ratio Lower Upper

95 100

174 62.4 48.1 72.1

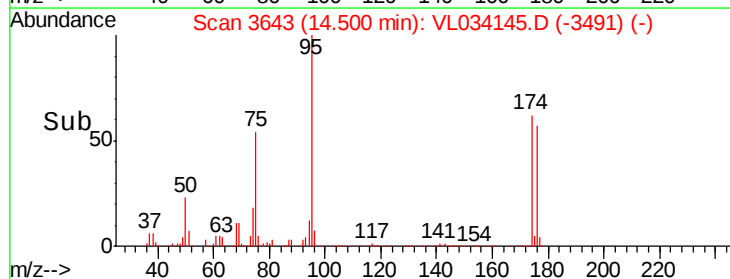
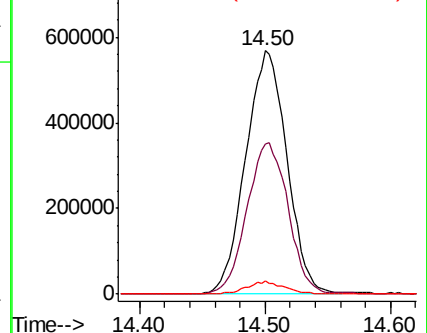
175 4.7 3.5 5.3

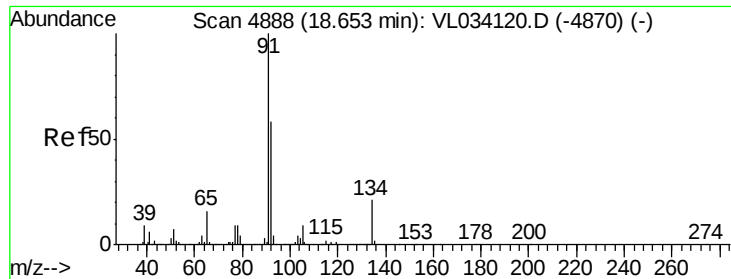


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#70

n-Butylbenzene

Concen: 0.065 ppbv

RT: 18.65 min Scan# 4933

Delta R.T. -0.01 min

Lab File: VL034145.D

Acq: 10 Sep 2019 16:34

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

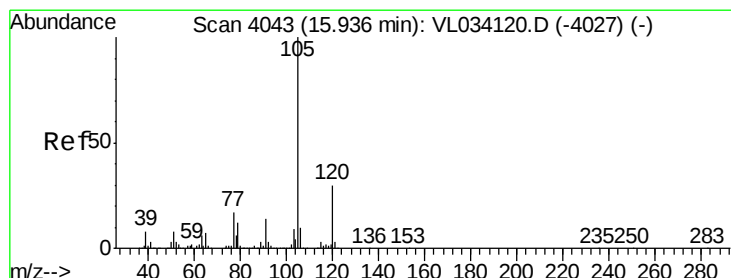
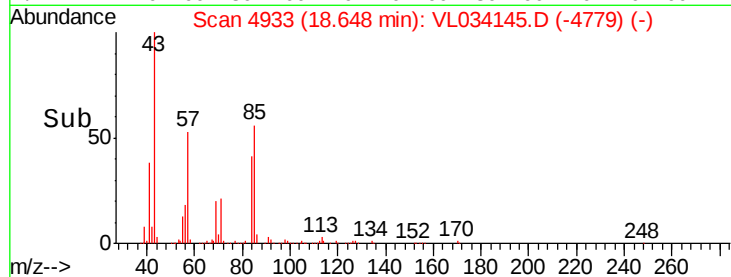
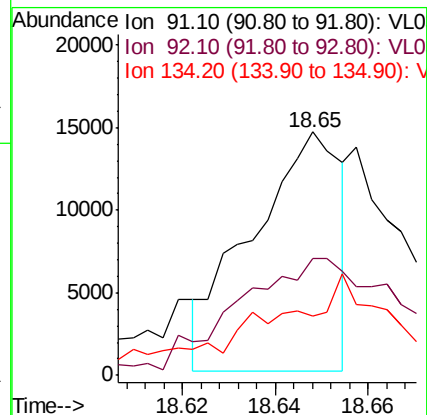
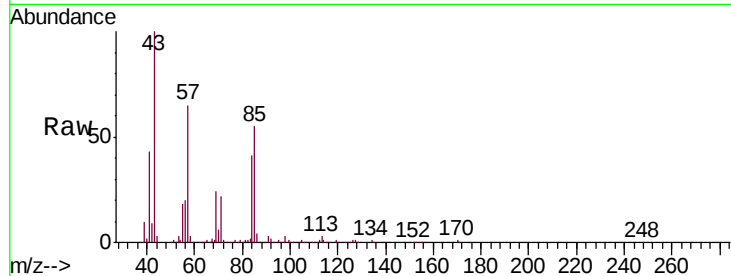
Tgt Ion: 91 Resp: 19534

Ion Ratio Lower Upper

91 100

92 97.1 45.3 67.9#

134 0.0 17.4 26.0#



#72

4-Ethyltoluene

Concen: 0.288 ppbv

RT: 15.93 min Scan# 4087

Delta R.T. -0.01 min

Lab File: VL034145.D

Acq: 10 Sep 2019 16:34

Tgt Ion: 105 Resp: 66603

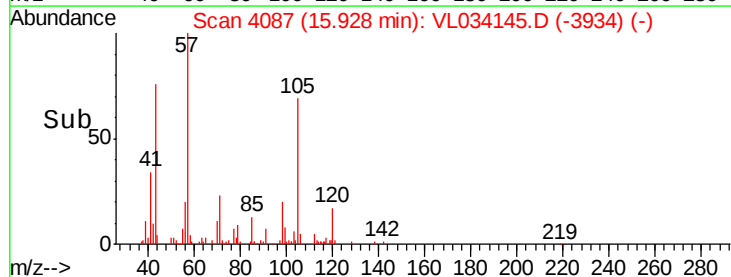
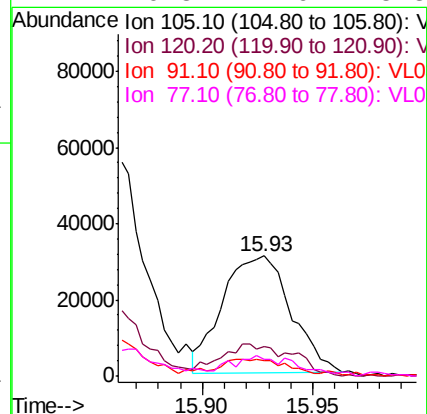
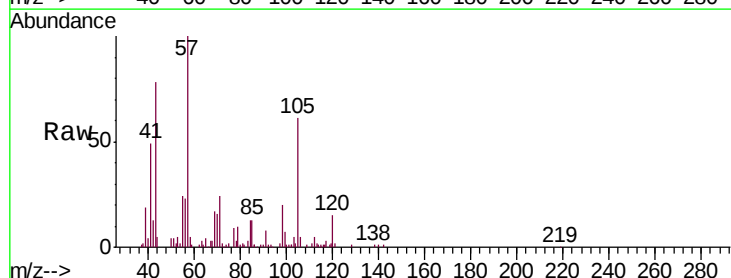
Ion Ratio Lower Upper

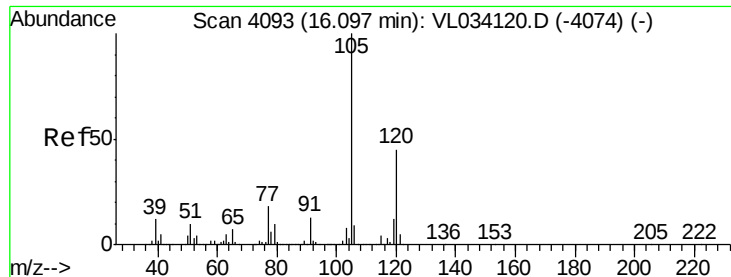
105 100

120 29.9 23.8 35.6

91 15.3 11.4 17.0

77 16.8 12.6 18.8





#73

1,3,5-Trimethylbenzene

Concen: 0.135 ppbv

RT: 16.09 min Scan# 4136

Delta R.T. -0.01 min

Lab File: VL034145.D

Acq: 10 Sep 2019 16:34

Instrument :

MSVOA_L

ClientSampleID :

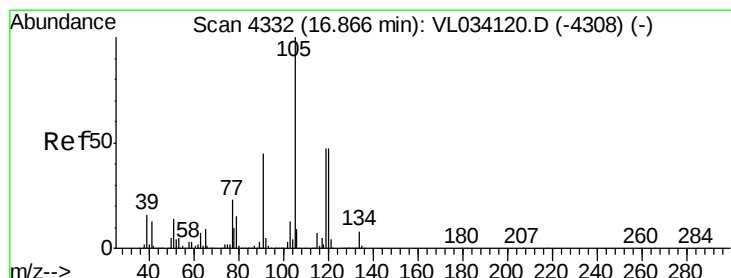
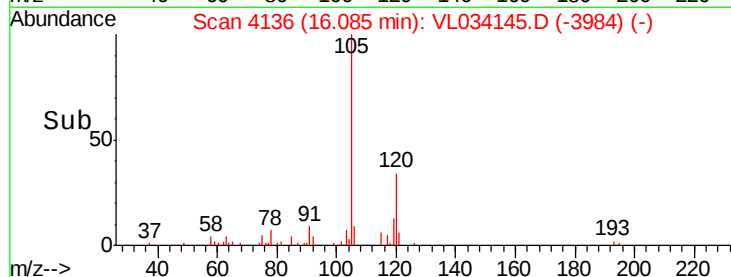
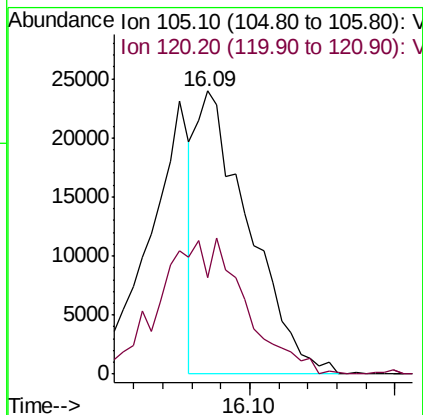
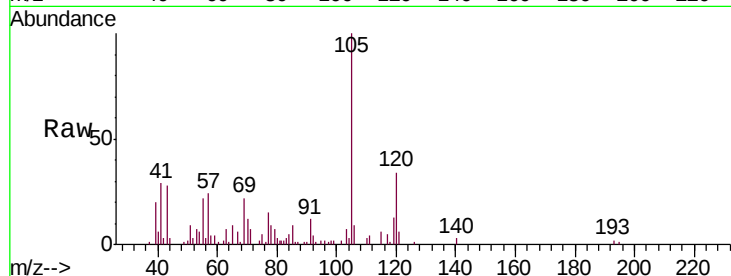
SV1DL

Tgt Ion:105 Resp: 30327

Ion Ratio Lower Upper

105 100

120 33.3 35.8 53.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.777 ppbv

RT: 16.85 min Scan# 4374

Delta R.T. -0.02 min

Lab File: VL034145.D

Acq: 10 Sep 2019 16:34

Tgt Ion:105 Resp: 179916

Ion Ratio Lower Upper

105 100

120 34.6 37.7 56.5#

91 11.7 36.2 54.2#

77 13.3 18.5 27.7#

