

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090518\
 Data File : VL032467.D
 Acq On : 5 Sep 2018 21:28
 Operator : SY/AP
 Sample : J4745-04 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-7

Quant Time: Sep 06 05:01:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 21:33:46 2018
 QLast Update : Fri Aug 31 21:33:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1581165	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3270843	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	3116184	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	2445962	10.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.70%

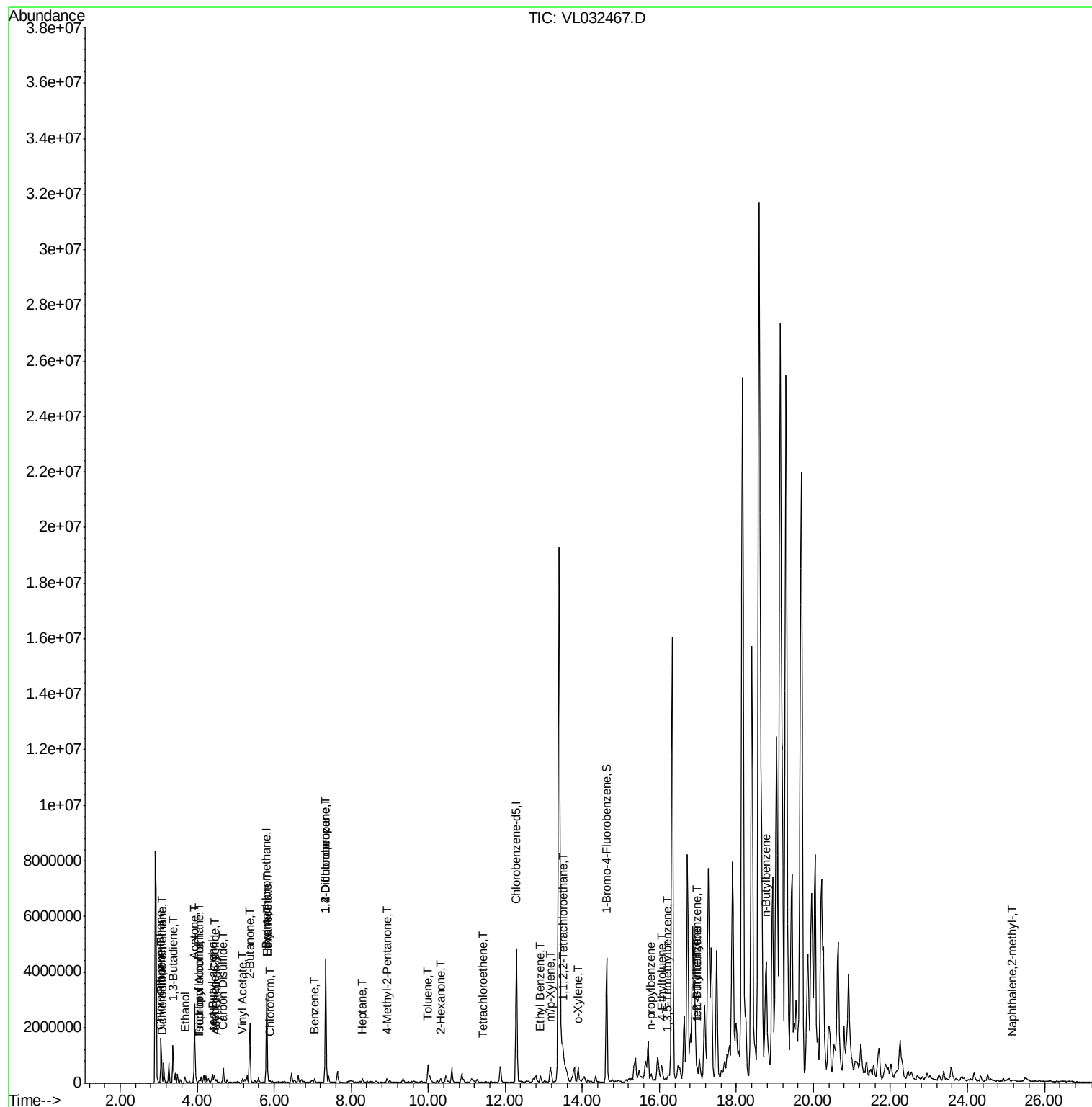
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.10	85	14664	0.073	ppbv #	86
3) Chlorodifluoromethane	3.04	51	10372	0.072	ppbv	96
9) Propene	3.06	41	676954	11.725	ppbv	94
10) Heptane	8.29	43	61216	0.296	ppbv	95
11) Trichlorofluoromethane	4.04	101	12305	0.067	ppbv	91
13) Ethanol	3.68	45	234421	13.026	ppbv	97
15) Acetone	3.93	43	2867048	20.136	ppbv	97
16) 1,3-Butadiene	3.37	39	413303	6.169	ppbv #	19
17) tert-Butyl alcohol	4.40	59	230737	10.530	ppbv #	100
19) Isopropyl Alcohol	4.06	45	44004	0.471	ppbv #	1
20) Methylene Chloride	4.44	84	83683	1.541	ppbv	88
21) Allyl Chloride	4.50	41	7314	0.077	ppbv #	1
23) Vinyl Acetate	5.18	43	60741	0.257	ppbv #	17
25) Ethyl Acetate	5.82	43	138384	0.412	ppbv #	80
26) Hexane	5.82	57	187195	1.243	ppbv #	43
27) Carbon Disulfide	4.66	76	45348	0.326	ppbv #	80
29) Chloroform	5.89	83	18766	0.082	ppbv	91
34) 2-Butanone	5.36	43	2492336	11.472	ppbv	99
36) Benzene	7.05	78	118113	0.424	ppbv	96
39) 1,2-Dichloropropane	7.34	63	858990	7.213	ppbv #	25
50) 4-Methyl-2-Pentanone	8.93	43	97825	0.299	ppbv	97
51) 2-Hexanone	10.32	43	119505	0.567	ppbv	96
52) Tetrachloroethene	11.42	164	3407	0.039	ppbv #	32
53) Toluene	10.00	91	492526	1.693	ppbv	99
58) Ethyl Benzene	12.92	91	175701	0.471	ppbv	96
59) m/p-Xylene	13.17	91	551897	1.660	ppbv	99
60) o-Xylene	13.90	91	185213	0.567	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.50	83	21033	0.072	ppbv #	53
64) n-propylbenzene	15.77	120	4540	0.038	ppbv #	1
65) tert-Butylbenzene	16.97	119	16424	0.042	ppbv #	1
70) n-Butylbenzene	18.77	91	53115	0.102	ppbv #	73
72) 4-Ethyltoluene	16.05	105	50223	0.141	ppbv #	48
73) 1,3,5-Trimethylbenzene	16.21	105	27361	0.077	ppbv	90
74) 1,2,4-Trimethylbenzene	16.98	105	231523	0.593	ppbv #	66
80) Naphthalene,2-methyl-	25.15	142	5296	0.063	ppbv #	78

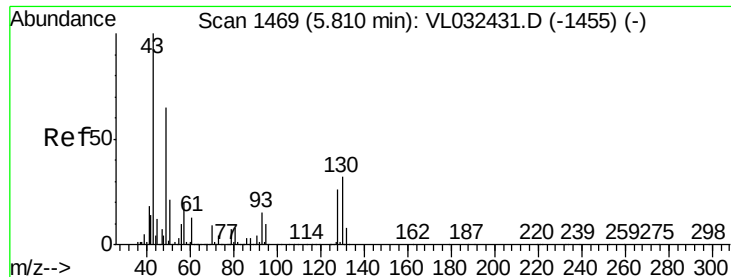
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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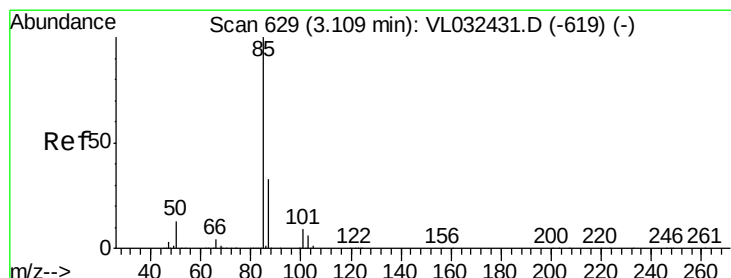
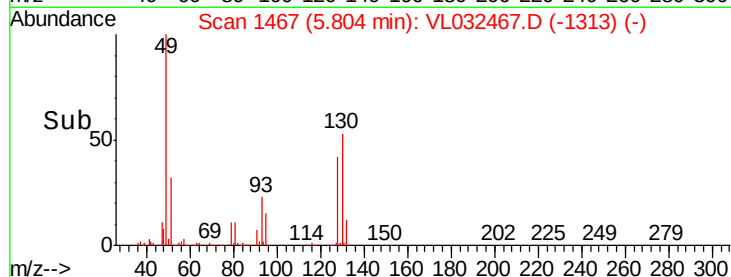
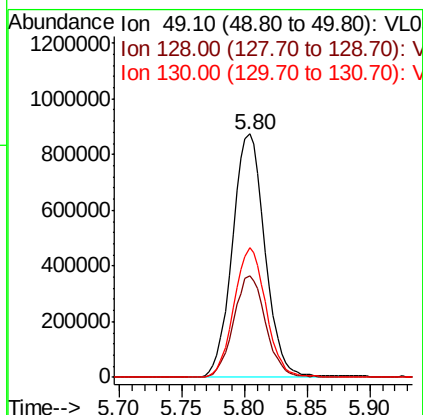
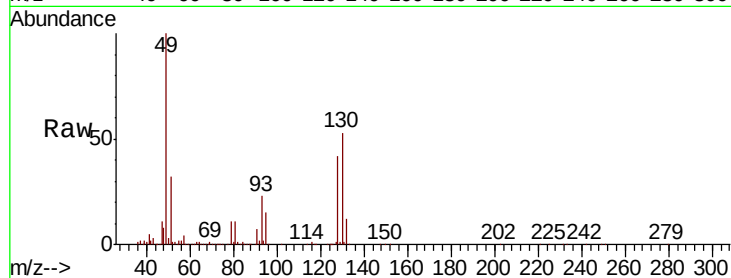




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.80 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

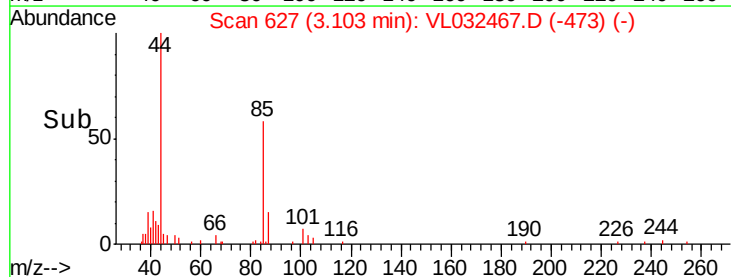
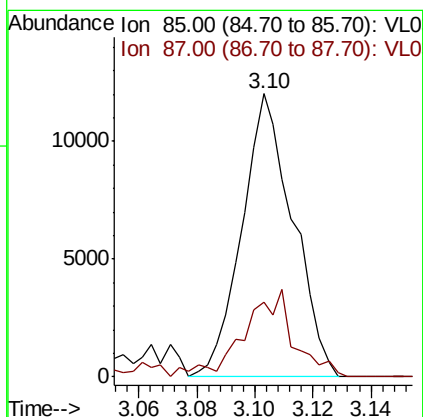
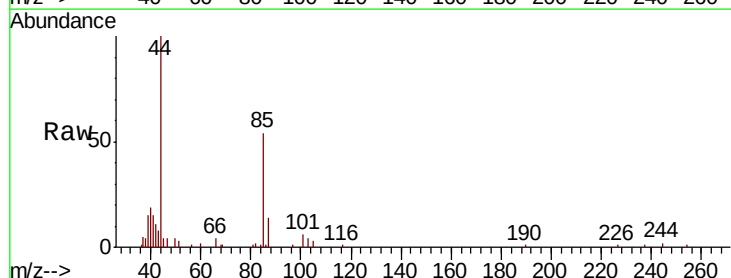
Instrument :
 MSVOA_L
 ClientSampled :
 VP-7

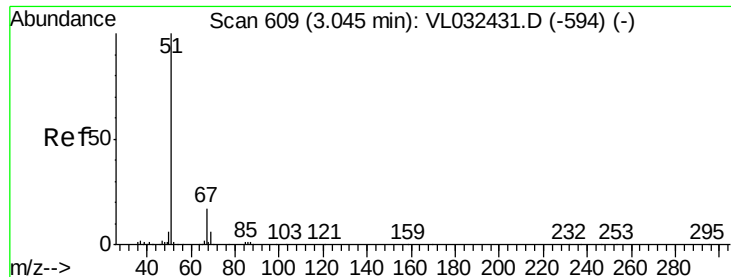
Tgt Ion: 49 Resp: 1581165
 Ion Ratio Lower Upper
 49 100
 128 41.4 20.7 62.1
 130 52.7 26.6 79.7



#2
 Dichlorodifluoromethane
 Concen: 0.073 ppbv
 RT: 3.10 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

Tgt Ion: 85 Resp: 14664
 Ion Ratio Lower Upper
 85 100
 87 25.1 26.2 39.4#





#3

Chlorodifluoromethane

Concen: 0.072 ppbv

RT: 3.04 min Scan# 607

Delta R.T. -0.01 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

Instrument :

MSVOA_L

ClientSampleId :

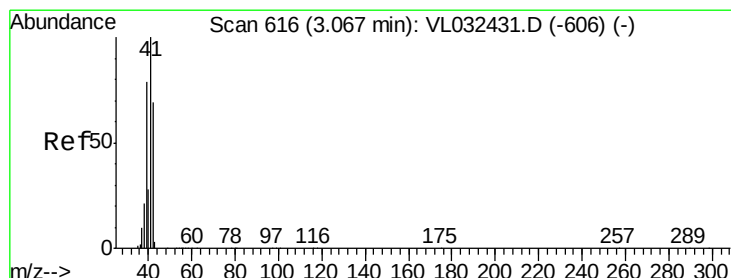
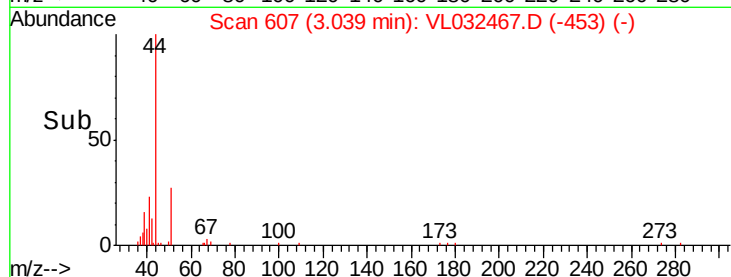
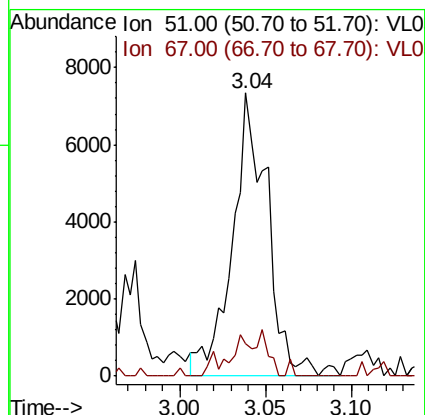
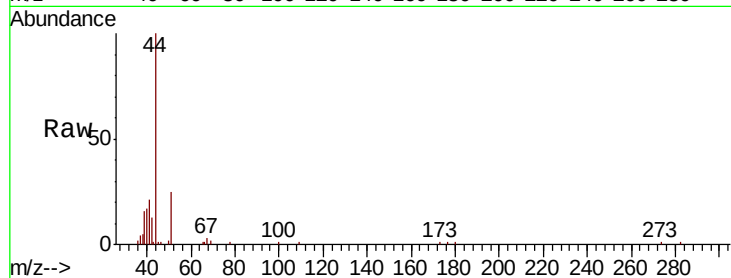
VP-7

Tgt Ion: 51 Resp: 10372

Ion Ratio Lower Upper

51 100

67 15.7 13.8 20.8



#9

Propene

Concen: 11.725 ppbv

RT: 3.06 min Scan# 615

Delta R.T. -0.00 min

Lab File: VL032467.D

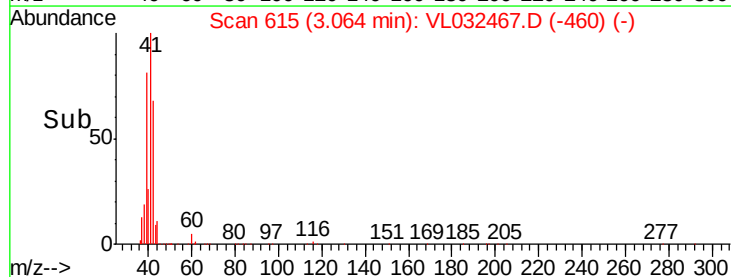
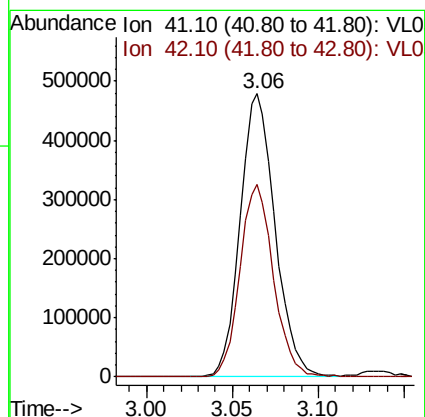
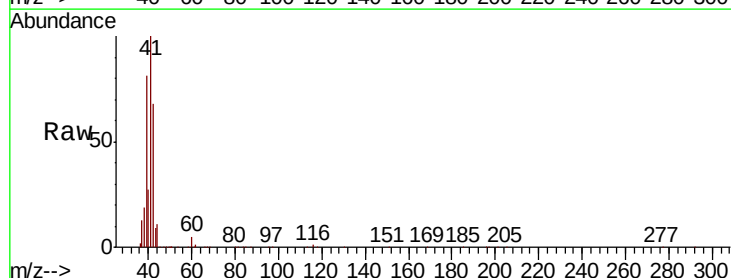
Acq: 5 Sep 2018 21:28

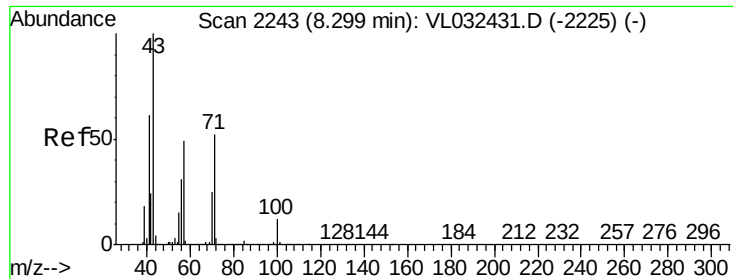
Tgt Ion: 41 Resp: 676954

Ion Ratio Lower Upper

41 100

42 65.5 56.6 84.8

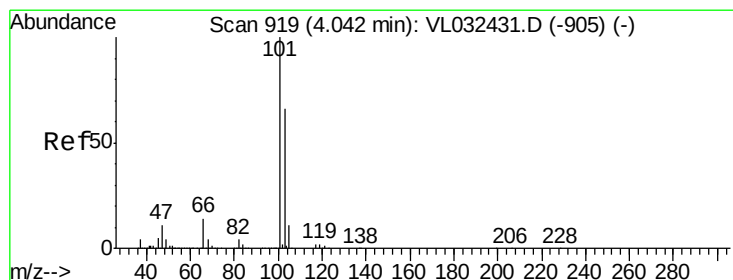
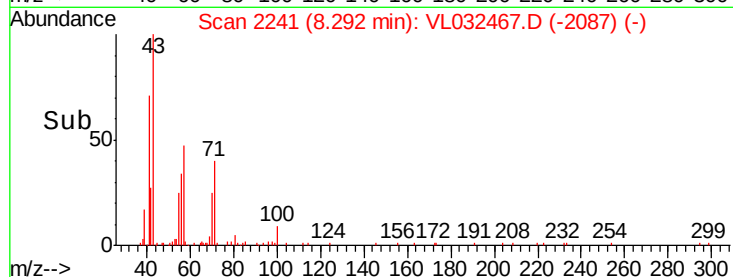
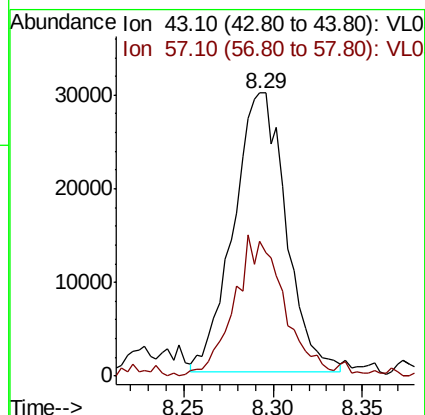
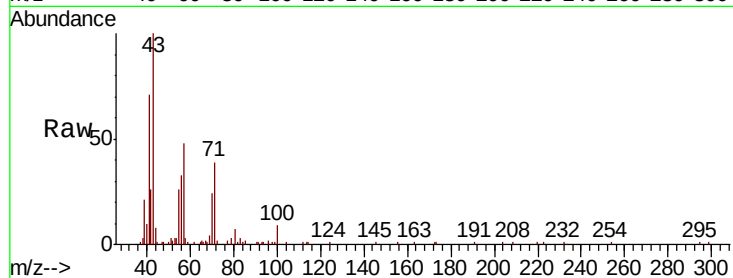




#10
 Heptane
 Concen: 0.296 ppbv
 RT: 8.29 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

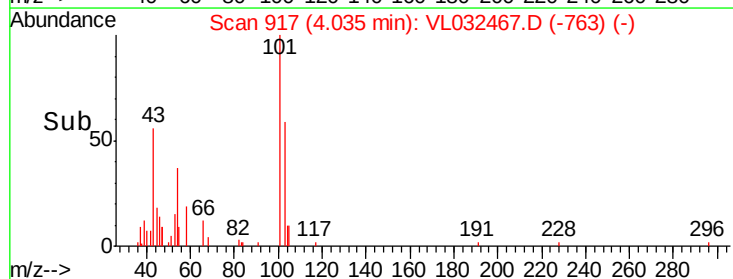
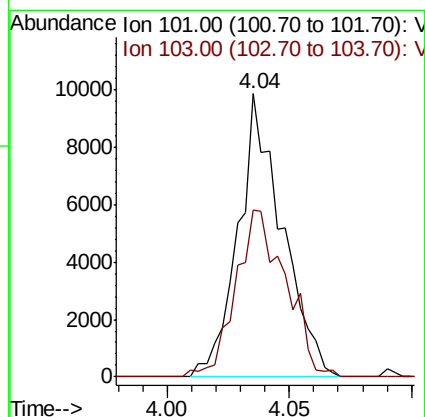
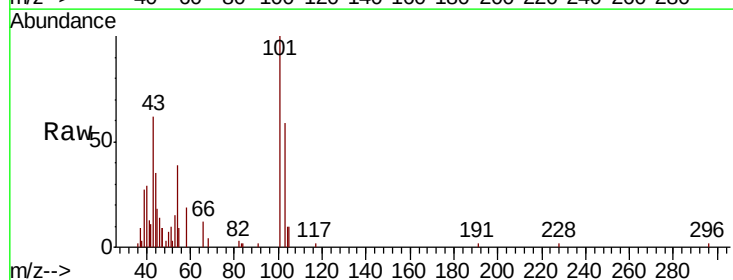
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-7

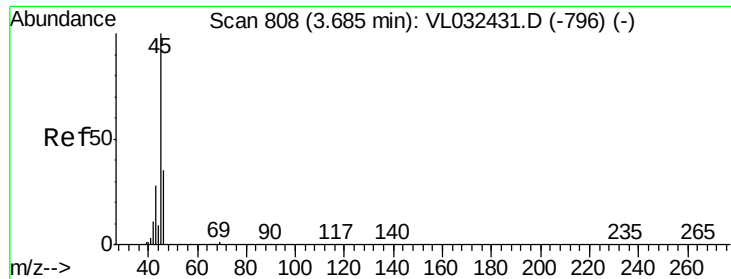
Tgt Ion: 43 Resp: 61216
 Ion Ratio Lower Upper
 43 100
 57 45.8 39.6 59.4



#11
 Trichlorofluoromethane
 Concen: 0.067 ppbv
 RT: 4.04 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

Tgt Ion: 101 Resp: 12305
 Ion Ratio Lower Upper
 101 100
 103 59.1 52.8 79.2





#13

Ethanol

Concen: 13.026 ppbv

RT: 3.68 min Scan# 808

Delta R.T. 0.00 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

Instrument :

MSVOA_L

ClientSampleId :

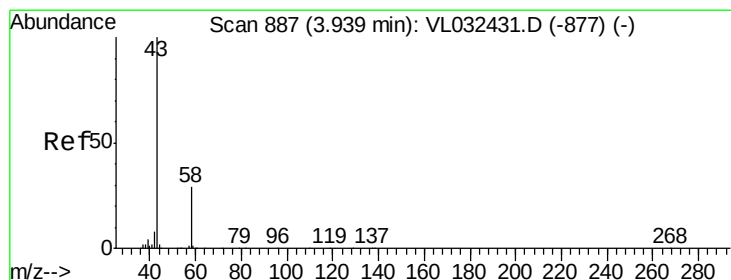
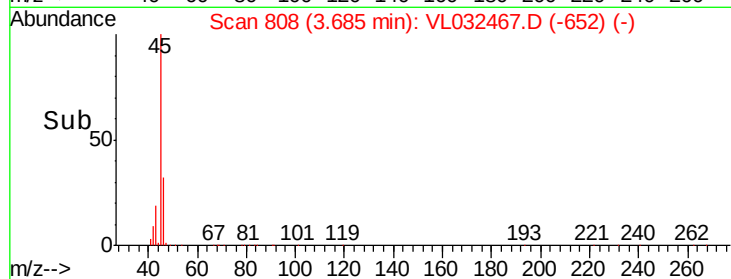
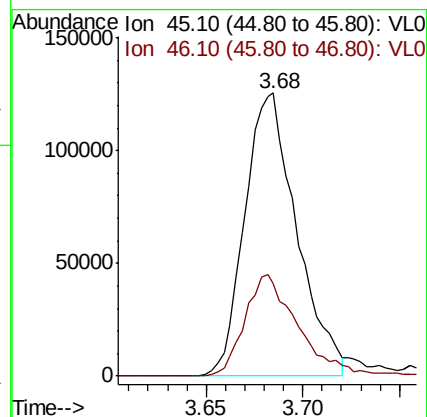
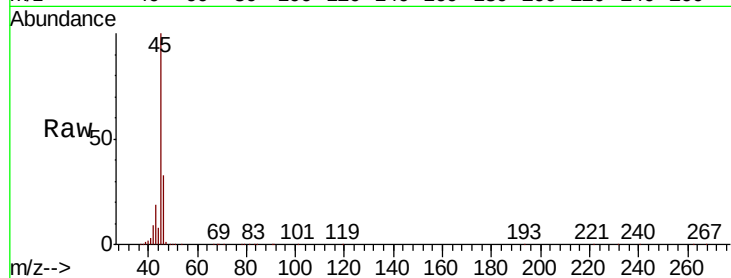
VP-7

Tgt Ion: 45 Resp: 234421

Ion Ratio Lower Upper

45 100

46 37.0 14.2 56.8



#15

Acetone

Concen: 20.136 ppbv

RT: 3.93 min Scan# 884

Delta R.T. -0.01 min

Lab File: VL032467.D

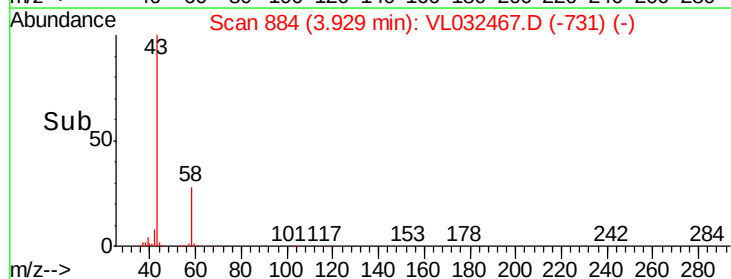
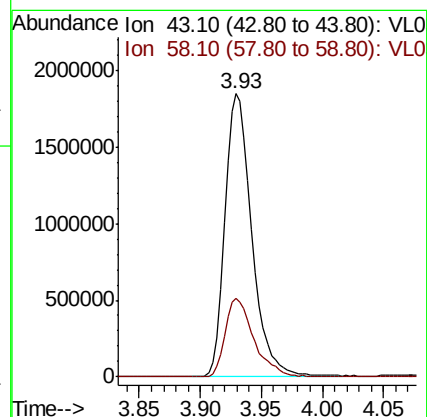
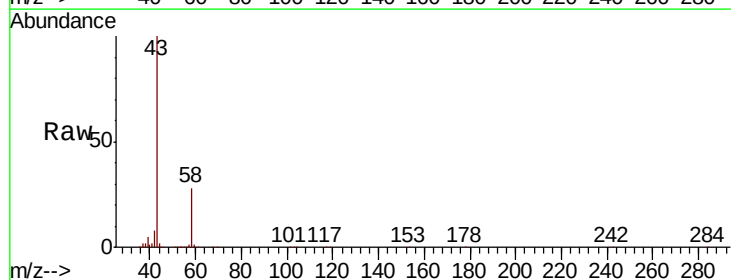
Acq: 5 Sep 2018 21:28

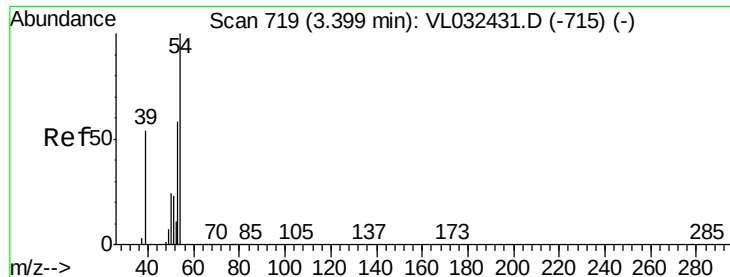
Tgt Ion: 43 Resp: 2867048

Ion Ratio Lower Upper

43 100

58 29.8 22.6 33.8

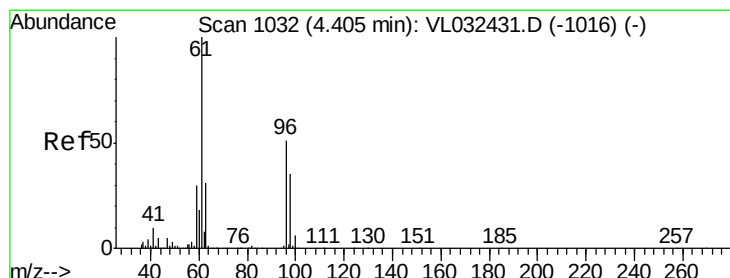
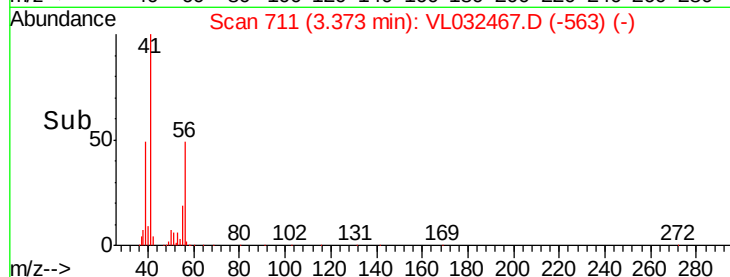
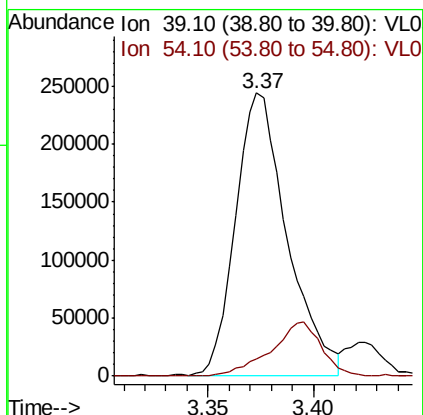
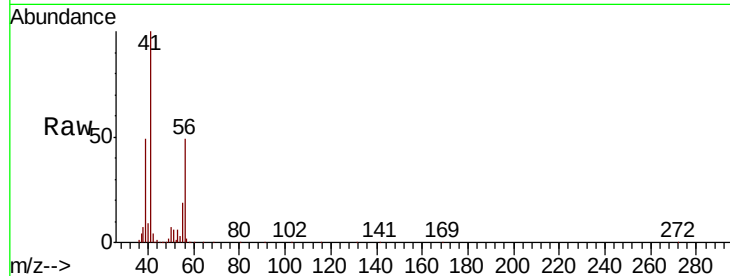




#16
 1,3-Butadiene
 Concen: 6.169 ppbv
 RT: 3.37 min Scan# 711
 Delta R.T. -0.03 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

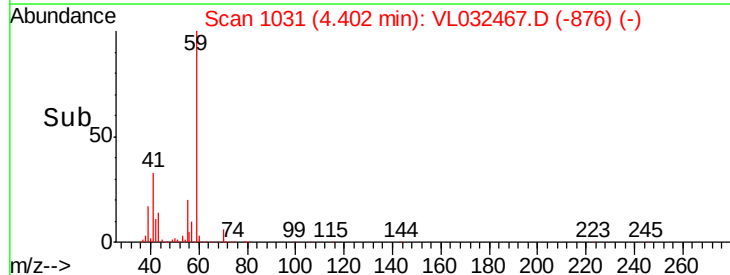
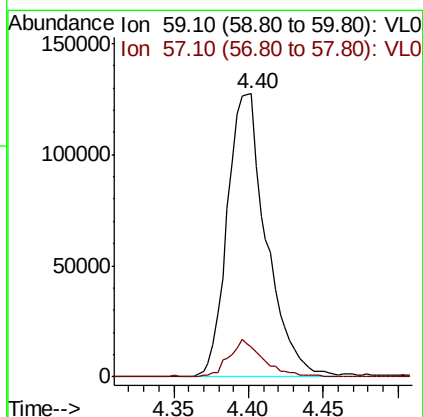
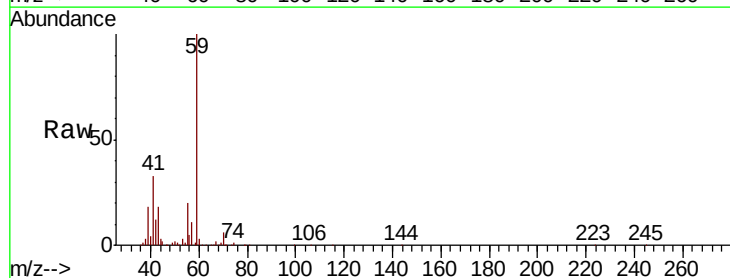
Instrument :
 MSVOA_L
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 VP-7

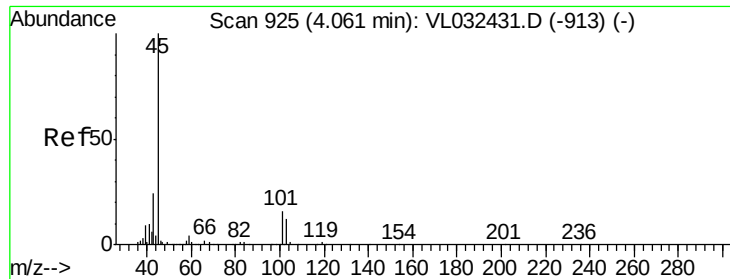
Tgt Ion: 39 Resp: 413303
 Ion Ratio Lower Upper
 39 100
 54 19.1 80.8 121.2#



#17
 tert-Butyl alcohol
 Concen: 10.530 ppbv
 RT: 4.40 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

Tgt Ion: 59 Resp: 230737
 Ion Ratio Lower Upper
 59 100
 57 11.9 0.0 0.0#





#19

Isopropyl Alcohol

Concen: 0.471 ppbv

RT: 4.06 min Scan# 924

Delta R.T. -0.00 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

Instrument :

MSVOA_L

ClientSampled :

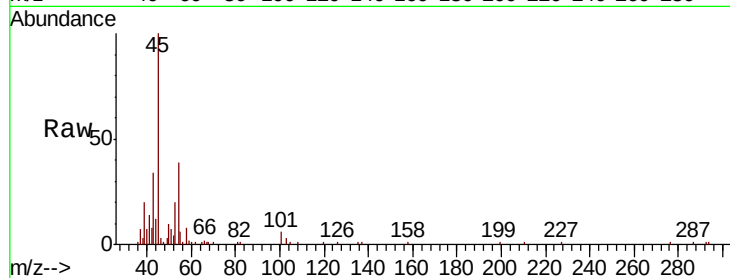
VP-7

Tgt Ion: 45 Resp: 44004

Ion Ratio Lower Upper

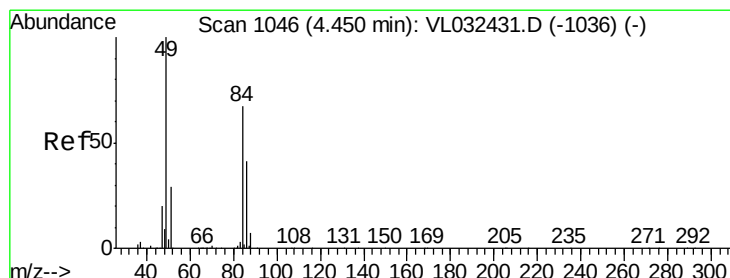
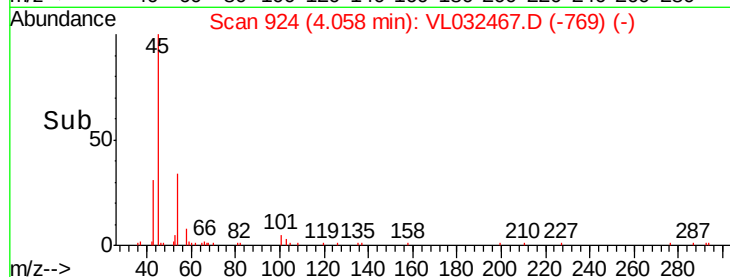
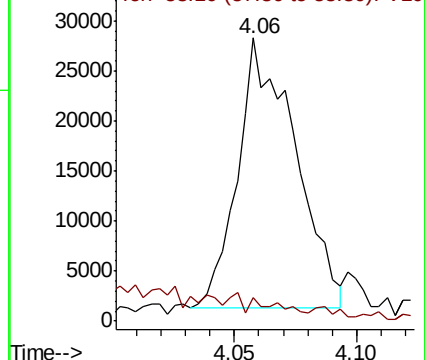
45 100

58 1940.8 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.541 ppbv

RT: 4.44 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

Tgt Ion: 84 Resp: 83683

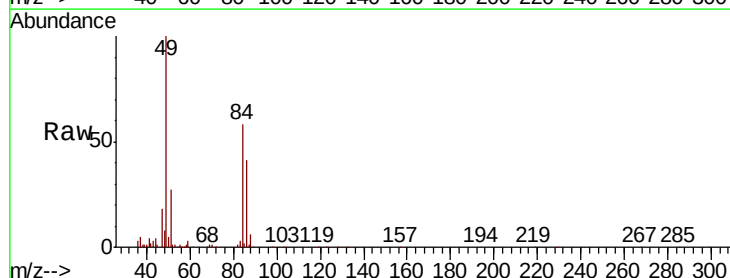
Ion Ratio Lower Upper

84 100

49 169.3 119.1 178.7

51 44.5 35.2 52.8

86 69.8 49.4 74.2

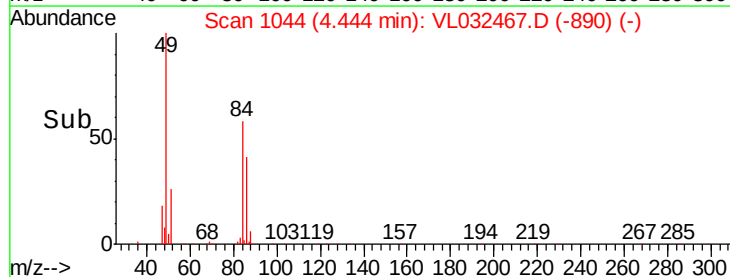
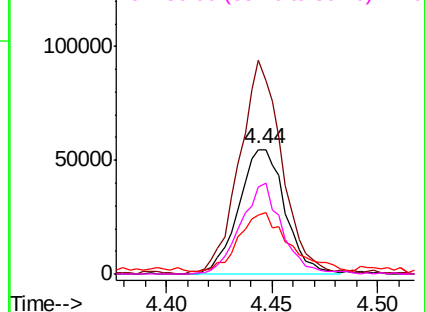


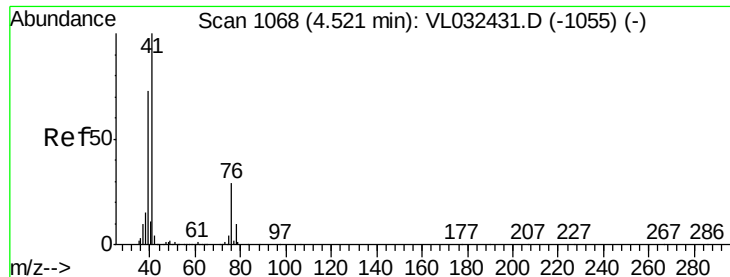
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

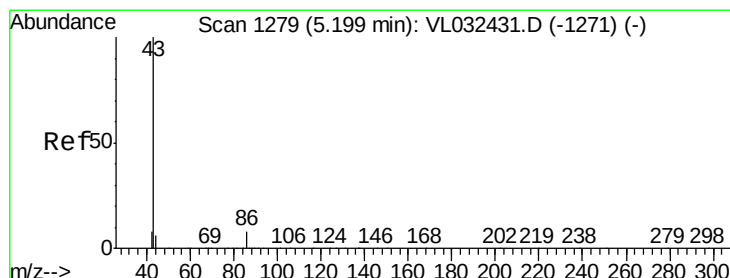
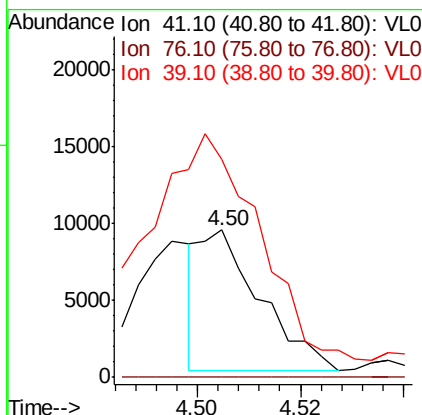
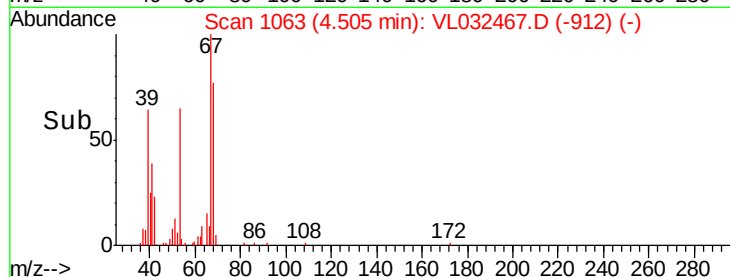
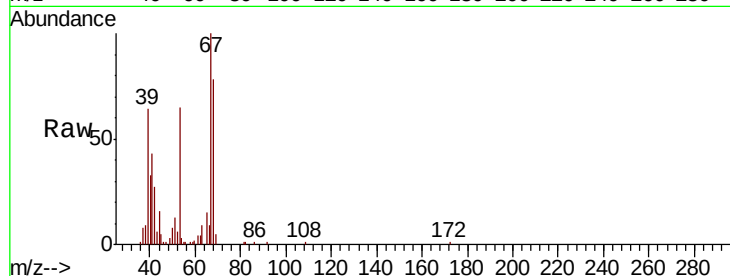




#21
 Allyl Chloride
 Concen: 0.077 ppbv
 RT: 4.50 min Scan# 1063
 Delta R.T. -0.02 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

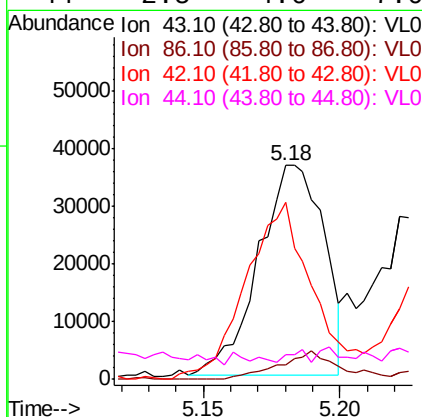
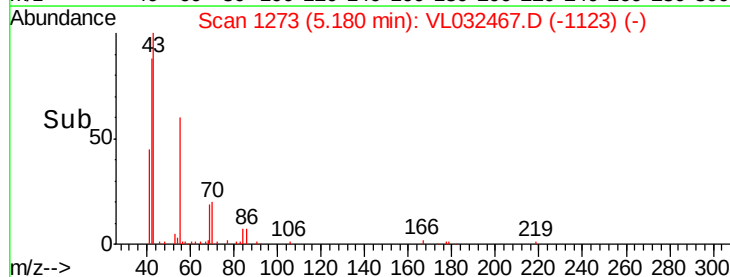
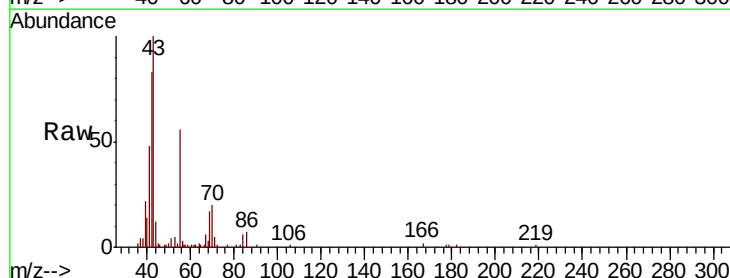
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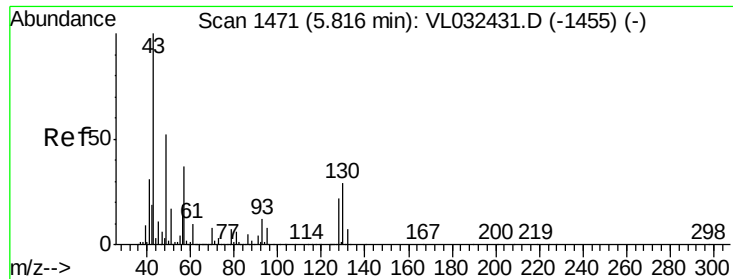
Tgt Ion: 41 Resp: 7314
 Ion Ratio Lower Upper
 41 100
 76 0.0 23.6 35.4#
 39 412.3 57.7 86.5#



#23
 Vinyl Acetate
 Concen: 0.257 ppbv
 RT: 5.18 min Scan# 1273
 Delta R.T. -0.02 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

Tgt Ion: 43 Resp: 60741
 Ion Ratio Lower Upper
 43 100
 86 6.7 5.9 8.9
 42 81.0 6.9 10.3#
 44 2.5 4.6 7.0#

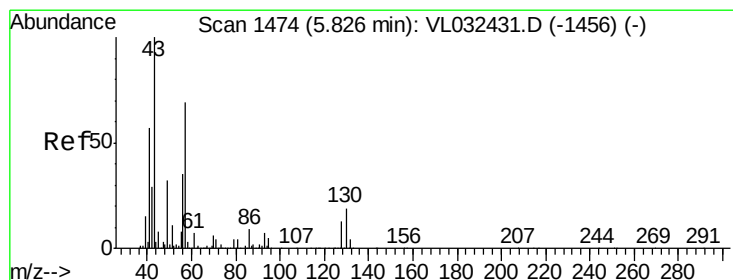
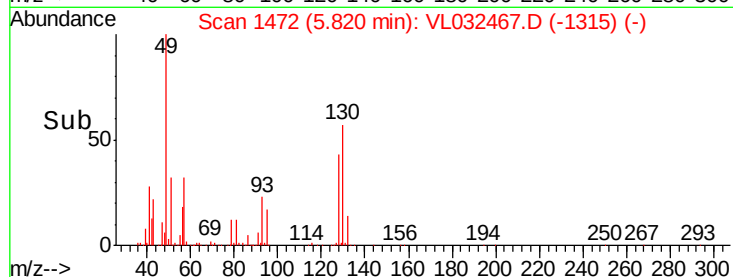
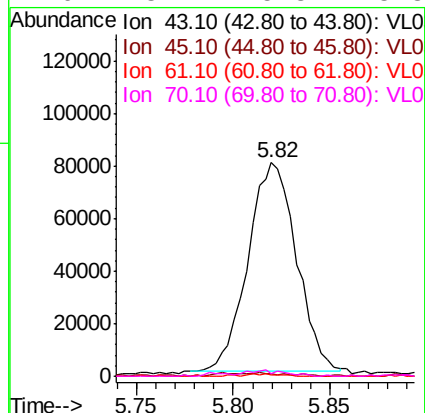
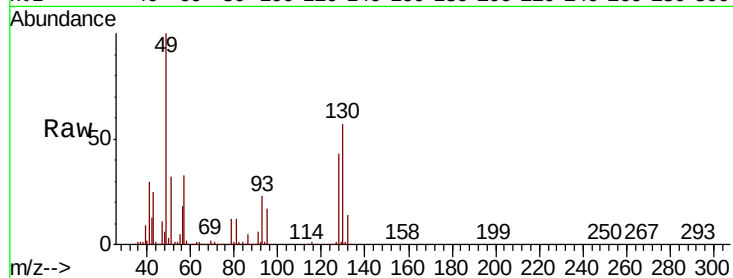




#25
Ethyl Acetate
Concen: 0.412 ppbv
RT: 5.82 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VL032467.D
Acq: 5 Sep 2018 21:28

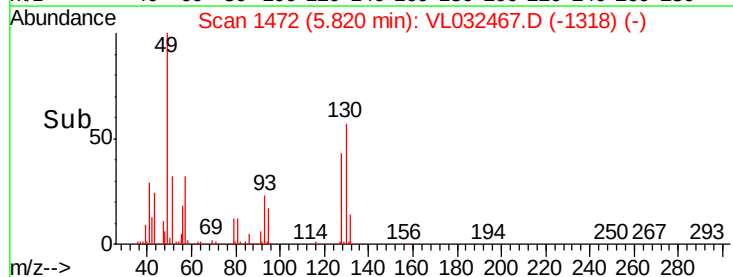
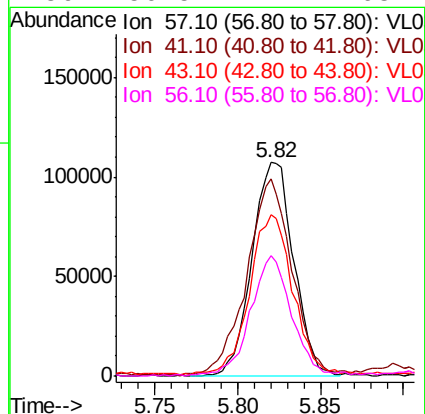
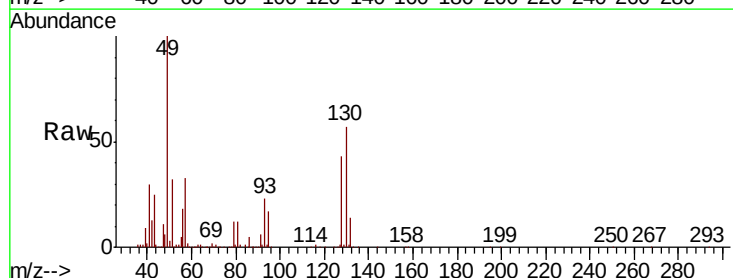
Instrument :
MSVOA_L
ClientSampleId :
VP-7

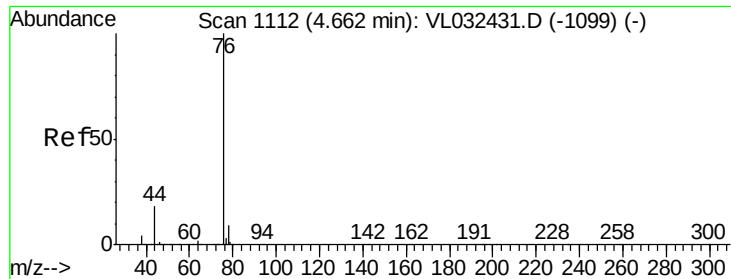
Tgt Ion:	43	Resp:	138384
Ion	Ratio	Lower	Upper
43	100		
45	1.5	8.0	12.0#
61	0.8	7.6	11.4#
70	3.2	5.8	8.8#



#26
Hexane
Concen: 1.243 ppbv
RT: 5.82 min Scan# 1472
Delta R.T. -0.01 min
Lab File: VL032467.D
Acq: 5 Sep 2018 21:28

Tgt Ion:	57	Resp:	187195
Ion	Ratio	Lower	Upper
57	100		
41	98.5	69.0	103.4
43	77.0	172.1	258.1#
56	56.5	42.2	63.2





#27

Carbon Disulfide

Concen: 0.326 ppbv

RT: 4.66 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

Instrument :

MSVOA_L

ClientSampleId :

VP-7

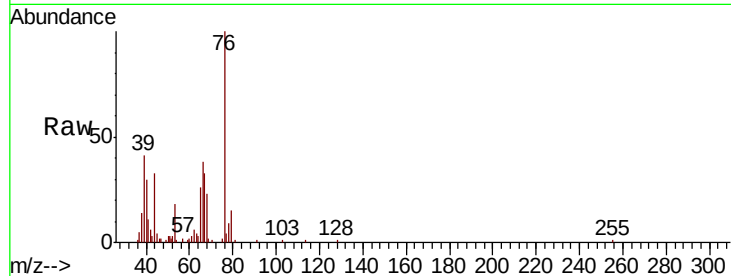
Tgt Ion: 76 Resp: 45348

Ion Ratio Lower Upper

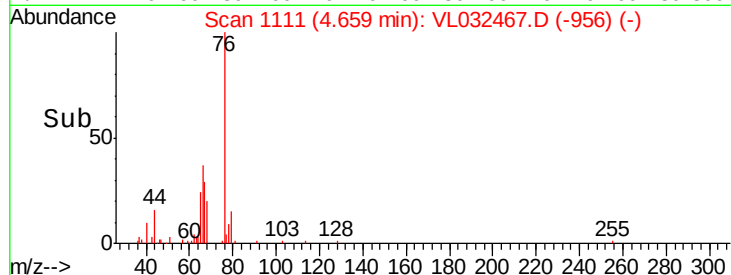
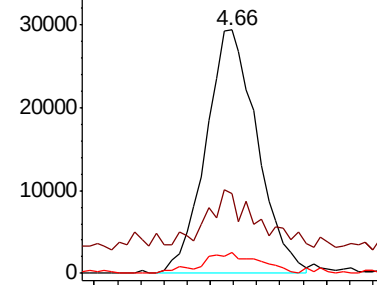
76 100

44 29.5 14.0 21.0#

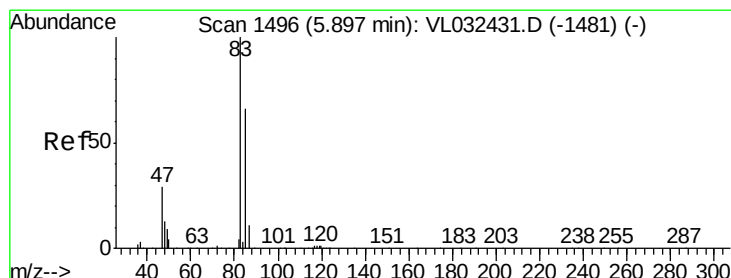
78 11.3 7.5 11.3#



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



Time-->



#29

Chloroform

Concen: 0.082 ppbv

RT: 5.89 min Scan# 1494

Delta R.T. -0.01 min

Lab File: VL032467.D

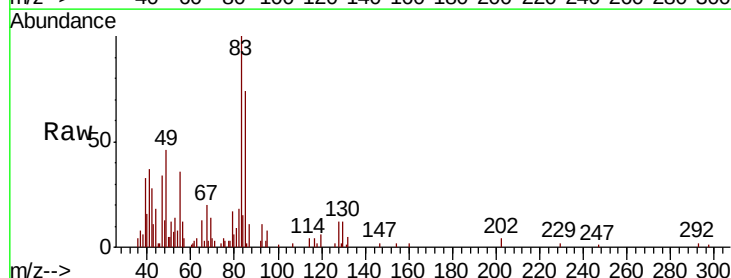
Acq: 5 Sep 2018 21:28

Tgt Ion: 83 Resp: 18766

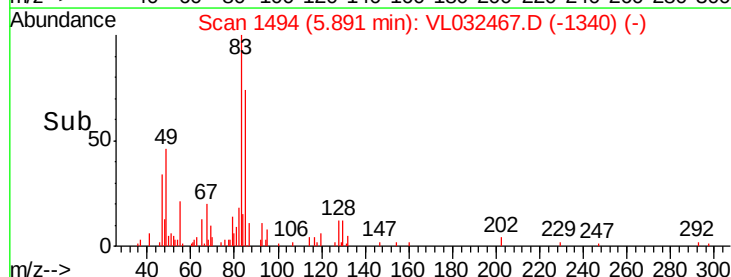
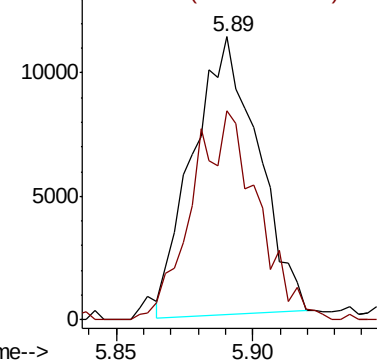
Ion Ratio Lower Upper

83 100

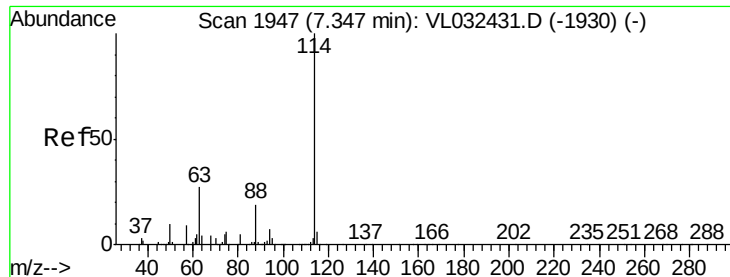
85 72.5 52.5 78.7



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0



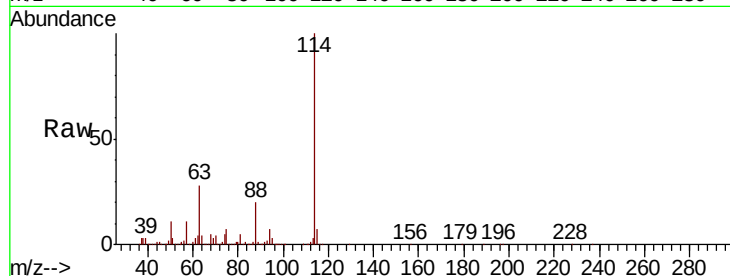
Time-->



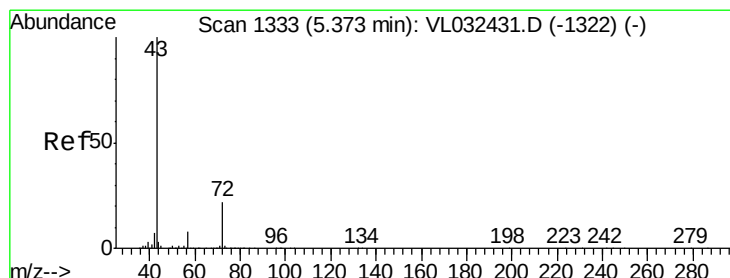
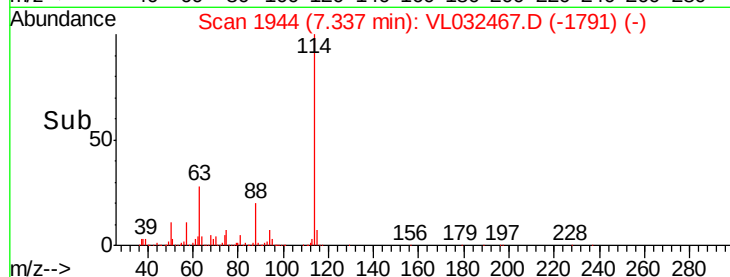
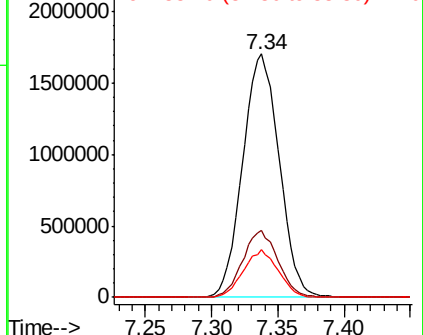
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.34 min Scan# 1944
 Delta R.T. -0.01 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-7

Tgt Ion:114 Resp: 3270843
 Ion Ratio Lower Upper
 114 100
 63 26.5 22.2 33.4
 88 18.7 15.0 22.4

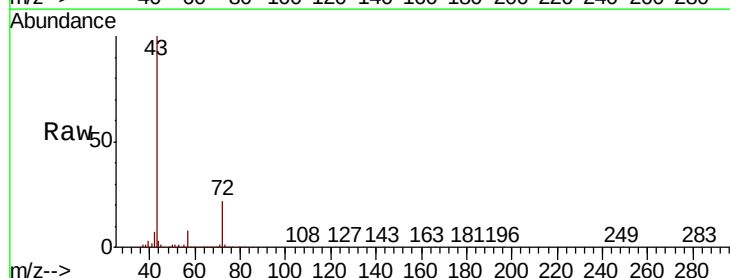


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

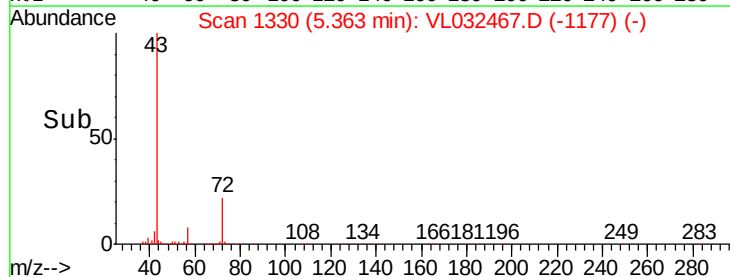
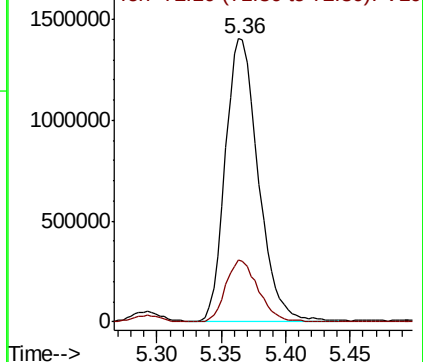


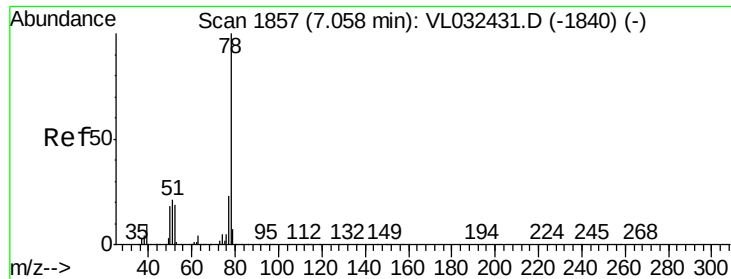
#34
 2-Butanone
 Concen: 11.472 ppbv
 RT: 5.36 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

Tgt Ion: 43 Resp: 2492336
 Ion Ratio Lower Upper
 43 100
 72 21.8 17.8 26.6



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





#36

Benzene

Concen: 0.424 ppbv

RT: 7.05 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

Instrument :

MSVOA_L

ClientSampleId :

VP-7

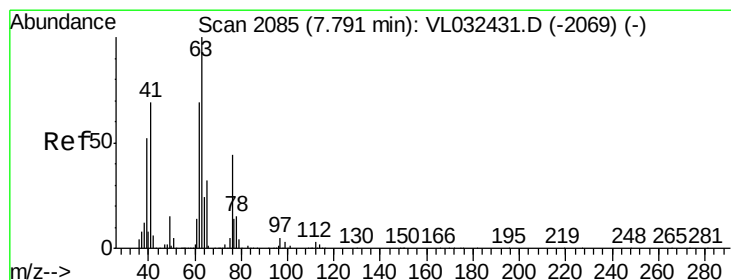
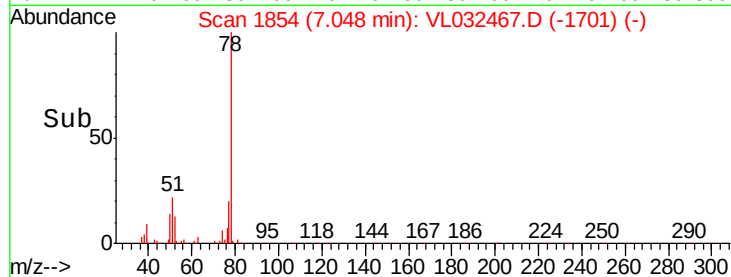
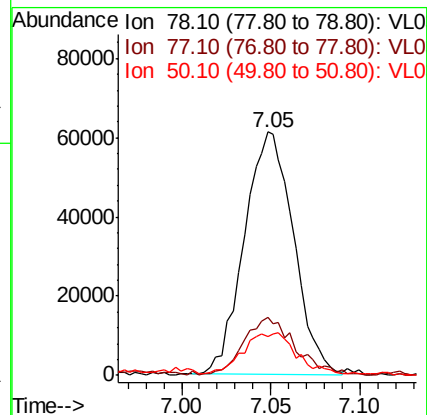
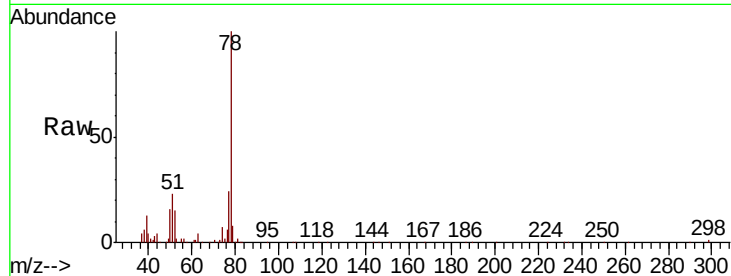
Tgt Ion: 78 Resp: 118113

Ion Ratio Lower Upper

78 100

77 22.1 18.4 27.6

50 15.4 14.4 21.6



#39

1,2-Dichloropropane

Concen: 7.213 ppbv

RT: 7.34 min Scan# 1944

Delta R.T. -0.45 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

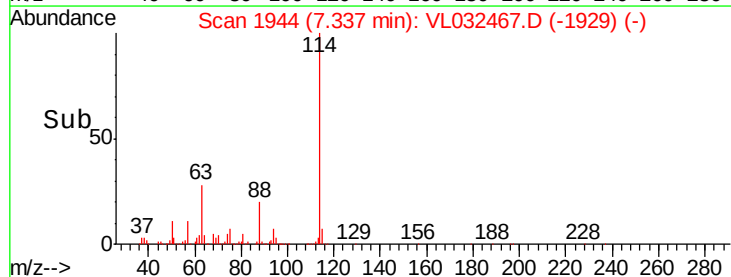
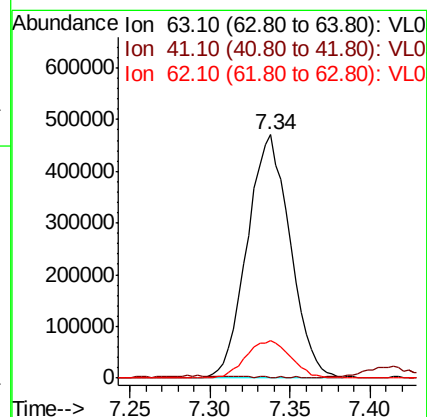
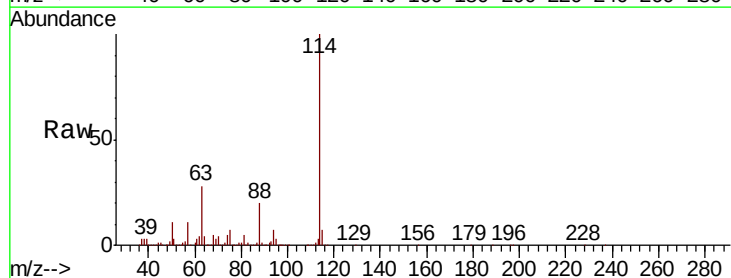
Tgt Ion: 63 Resp: 858990

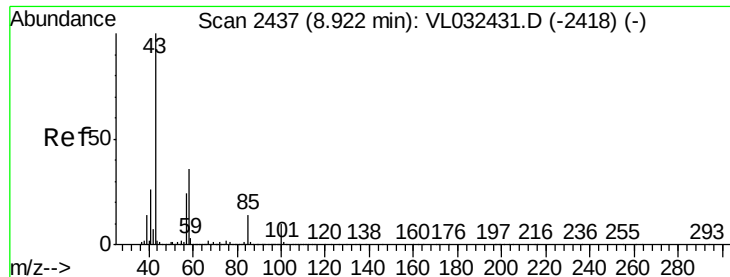
Ion Ratio Lower Upper

63 100

41 0.0 55.4 83.0#

62 15.6 55.4 83.0#





#50

4-Methyl-2-Pentanone

Concen: 0.299 ppbv

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

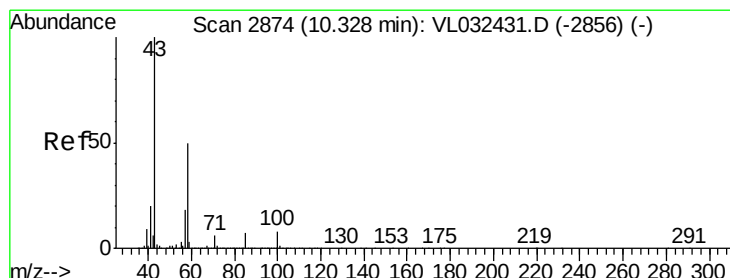
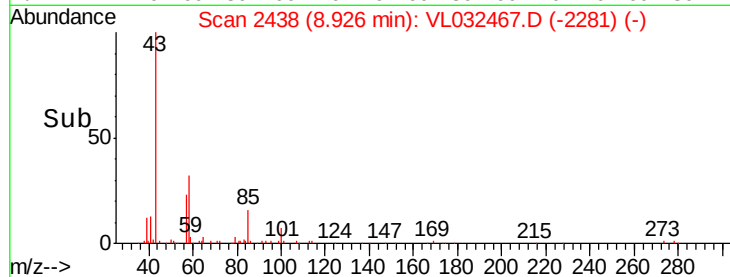
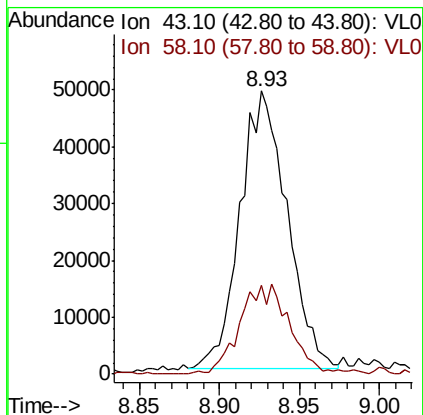
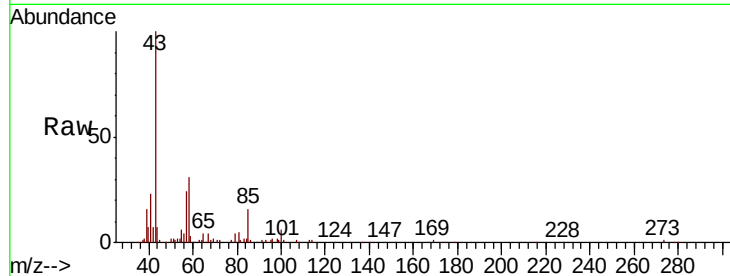
Instrument :
MSVOA_L
ClientSampleId :
VP-7

Tgt Ion: 43 Resp: 97825

Ion Ratio Lower Upper

43 100

58 34.5 29.0 43.4



#51

2-Hexanone

Concen: 0.567 ppbv

RT: 10.32 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

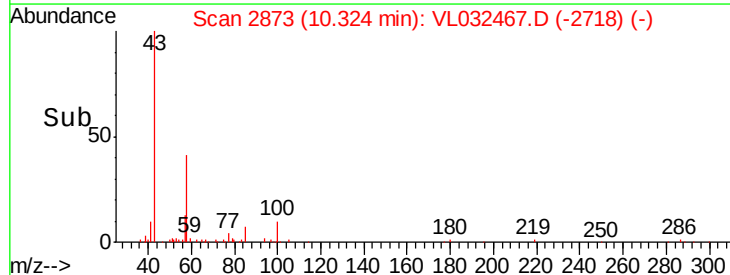
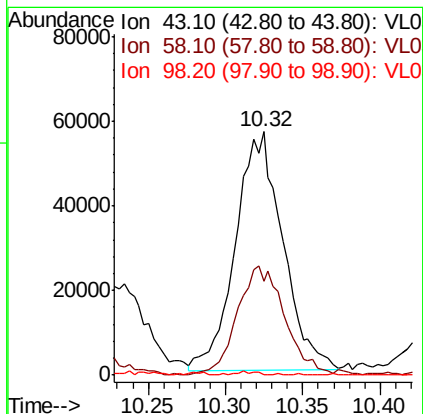
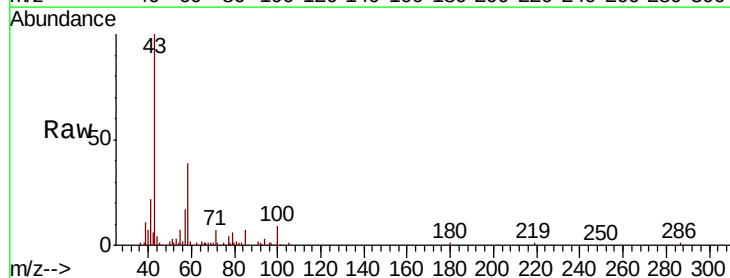
Tgt Ion: 43 Resp: 119505

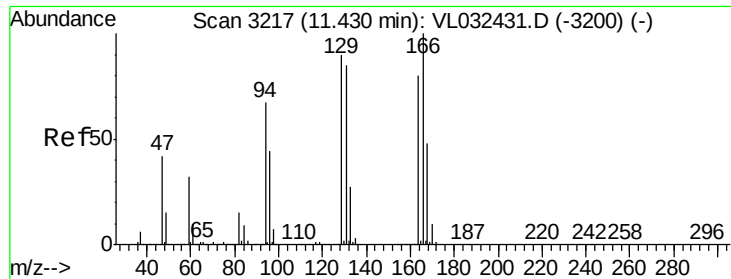
Ion Ratio Lower Upper

43 100

58 46.5 39.2 58.8

98 0.6 0.4 0.6





#52

Tetrachloroethene

Concen: 0.039 ppbv

RT: 11.42 min Scan# 3213

Delta R.T. -0.01 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

Instrument :

MSVOA_L

ClientSampleId :

VP-7

Tgt Ion:164 Resp: 3407

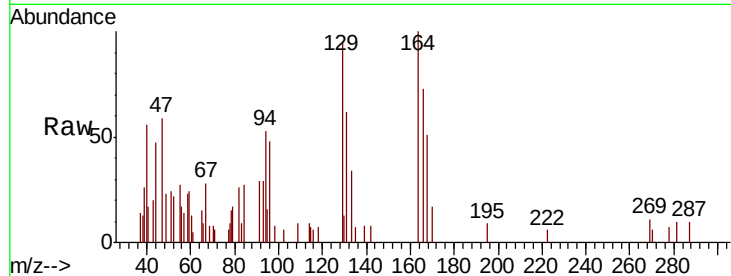
Ion Ratio Lower Upper

164 100

166 44.8 100.6 150.8#

129 73.1 89.9 134.9#

131 5.5 85.9 128.9#

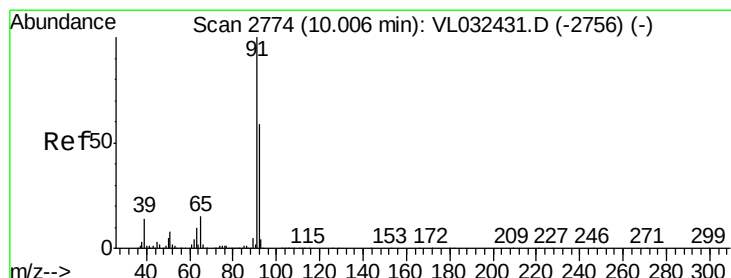
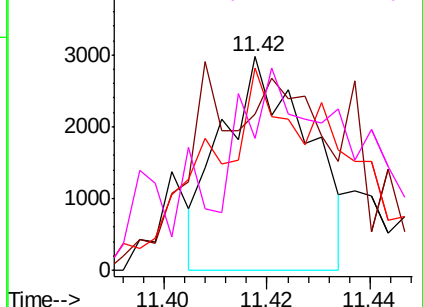
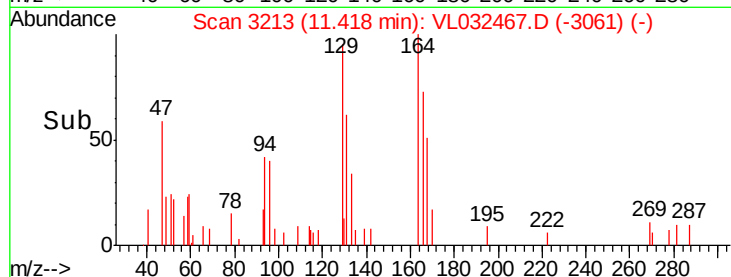


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.693 ppbv

RT: 10.00 min Scan# 2771

Delta R.T. -0.01 min

Lab File: VL032467.D

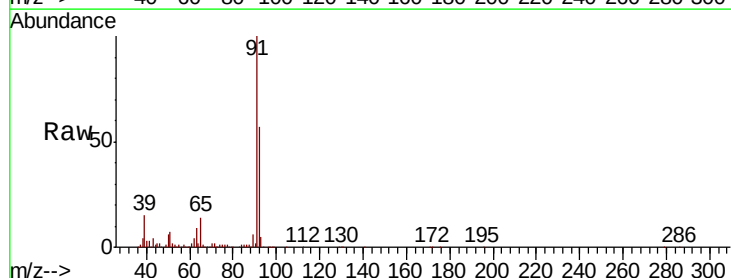
Acq: 5 Sep 2018 21:28

Tgt Ion: 91 Resp: 492526

Ion Ratio Lower Upper

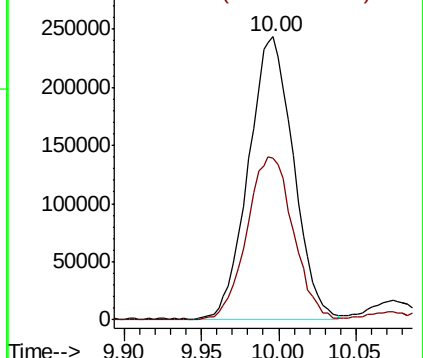
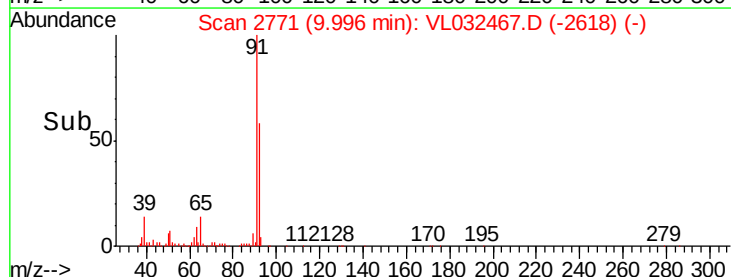
91 100

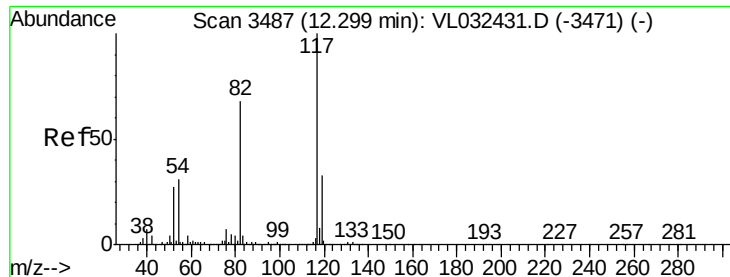
92 59.2 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

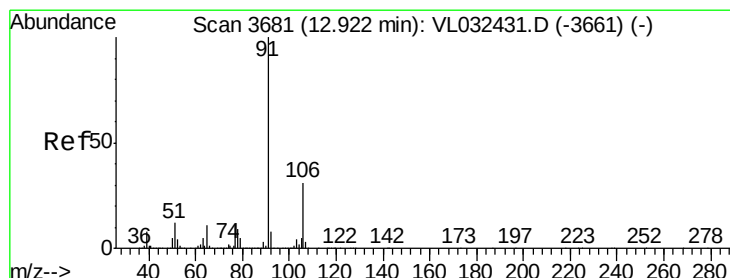
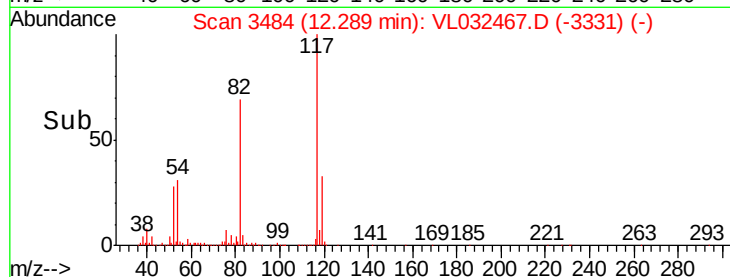
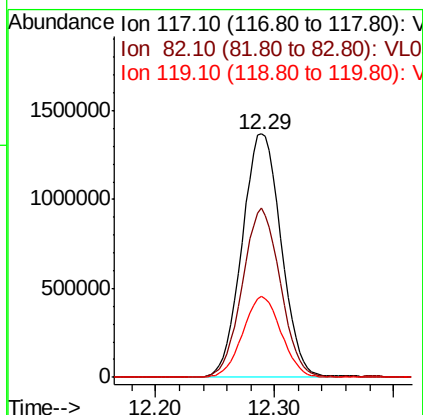
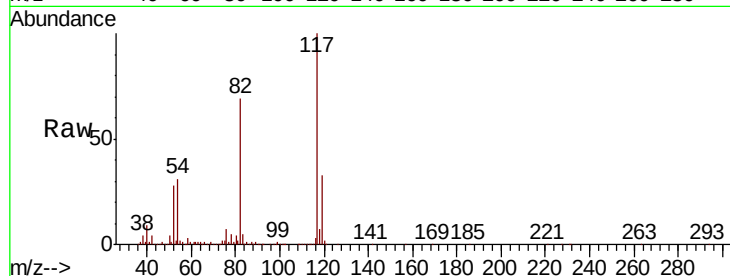




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.29 min Scan# 3484
Delta R.T. -0.01 min
Lab File: VL032467.D
Acq: 5 Sep 2018 21:28

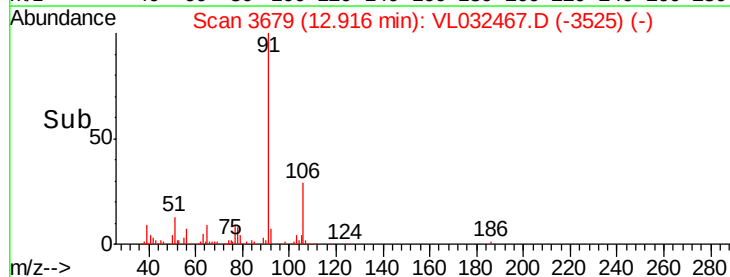
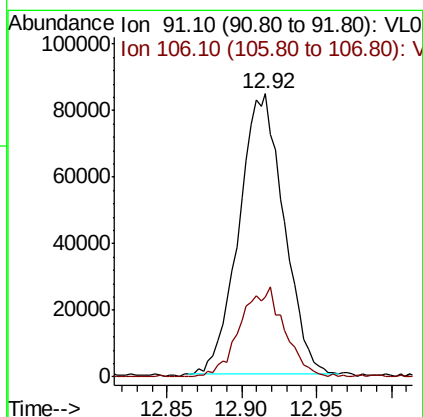
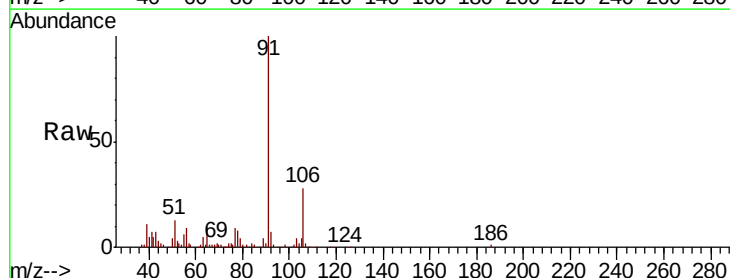
Instrument :
MSVOA_L
ClientSampleId :
VP-7

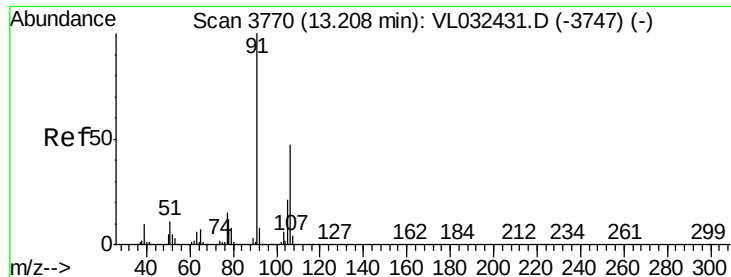
Tgt Ion: 117 Resp: 3116184
Ion Ratio Lower Upper
117 100
82 67.6 53.0 79.6
119 32.9 45.9 68.9#



#58
Ethyl Benzene
Concen: 0.471 ppbv
RT: 12.92 min Scan# 3679
Delta R.T. -0.01 min
Lab File: VL032467.D
Acq: 5 Sep 2018 21:28

Tgt Ion: 91 Resp: 175701
Ion Ratio Lower Upper
91 100
106 28.6 24.8 37.2





#59

m/p-Xylene

Concen: 1.660 ppbv

RT: 13.17 min Scan# 3759

Delta R.T. -0.04 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

Instrument :

MSVOA_L

ClientSampled :

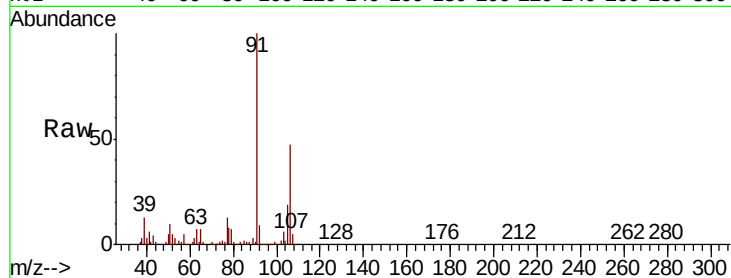
VP-7

Tgt Ion: 91 Resp: 551897

Ion Ratio Lower Upper

91 100

106 46.7 36.6 55.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.17

200000

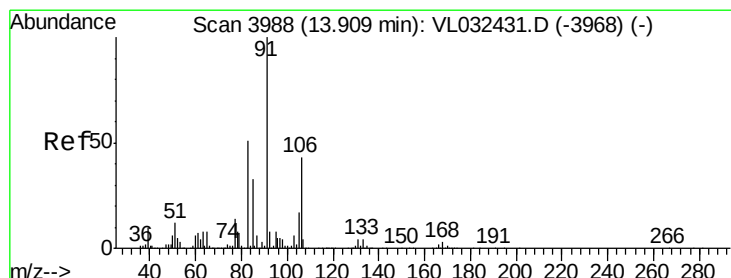
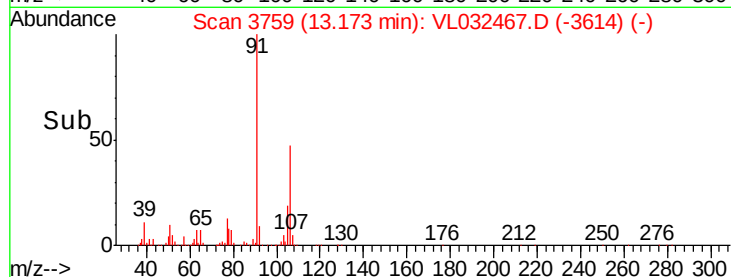
150000

100000

50000

0

Time-->



#60

o-Xylene

Concen: 0.567 ppbv

RT: 13.90 min Scan# 3984

Delta R.T. -0.01 min

Lab File: VL032467.D

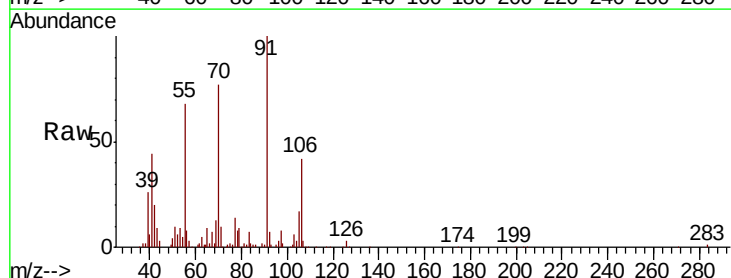
Acq: 5 Sep 2018 21:28

Tgt Ion: 91 Resp: 185213

Ion Ratio Lower Upper

91 100

106 44.4 21.9 65.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.90

100000

80000

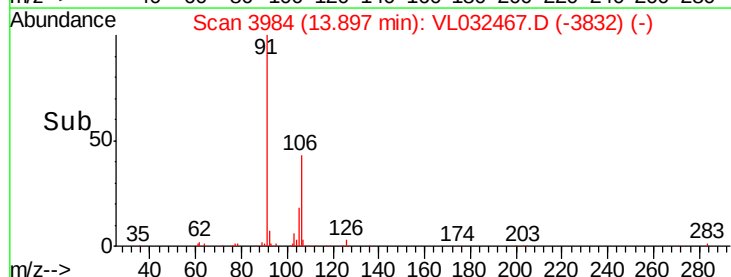
60000

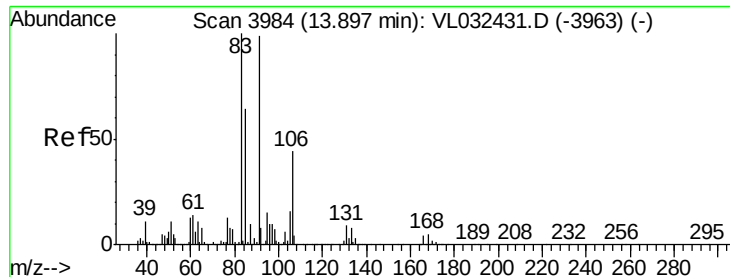
40000

20000

0

Time-->

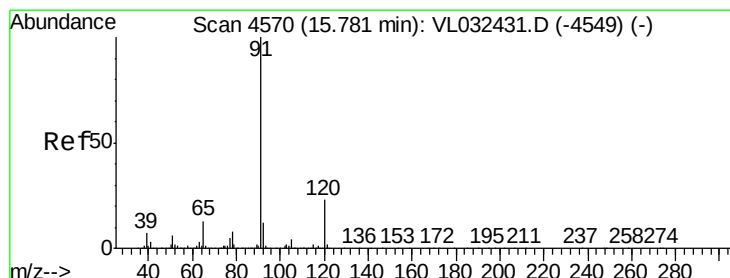
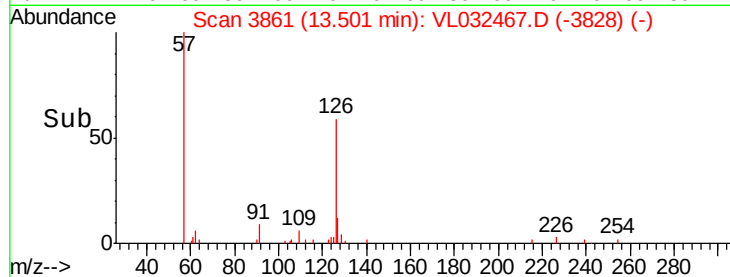
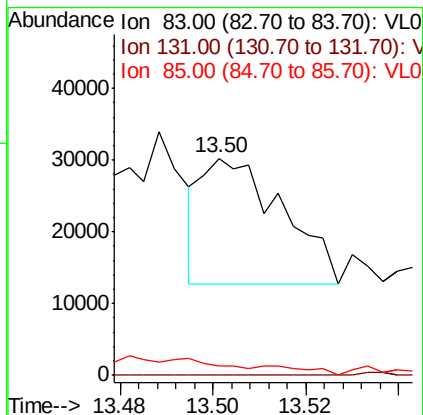
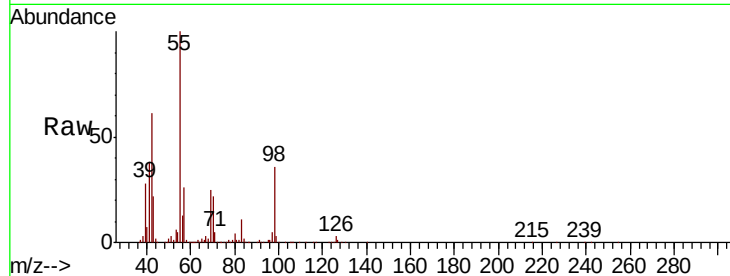




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.072 ppbv
 RT: 13.50 min Scan# 3861
 Delta R.T. -0.40 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

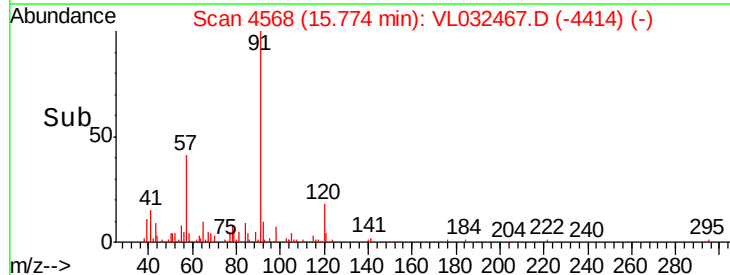
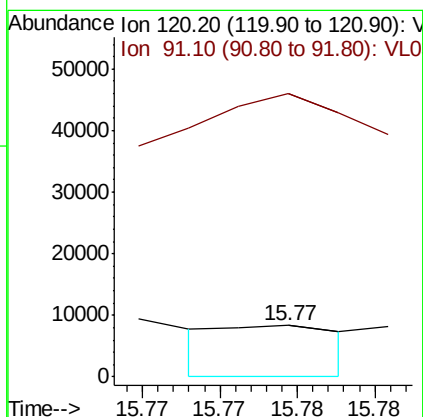
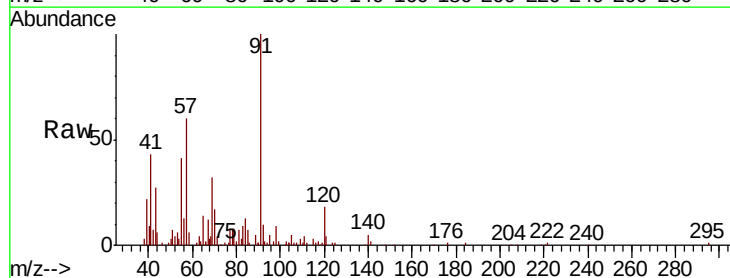
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-7

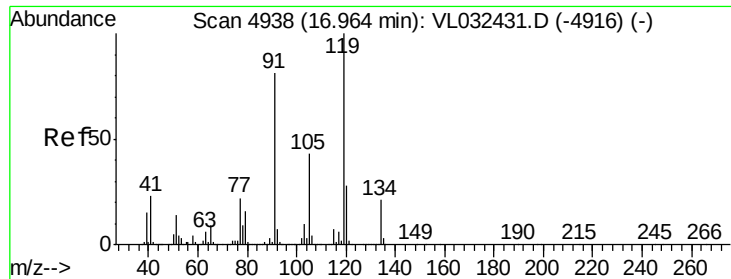
Tgt Ion: 83 Resp: 21033
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.3 12.8#
 85 25.3 32.3 96.8#



#64
 n-propylbenzene
 Concen: 0.038 ppbv
 RT: 15.77 min Scan# 4568
 Delta R.T. -0.01 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

Tgt Ion: 120 Resp: 4540
 Ion Ratio Lower Upper
 120 100
 91 2412.5 381.8 572.6#

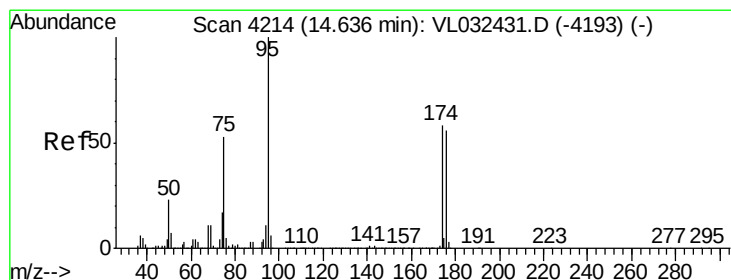
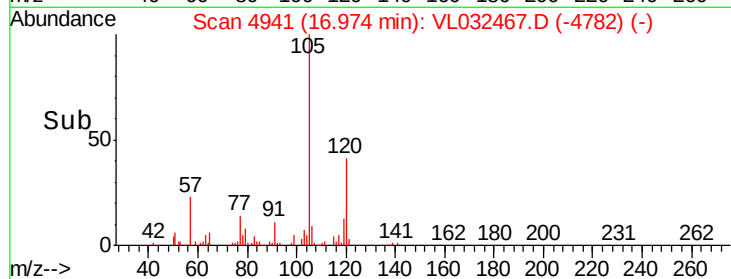
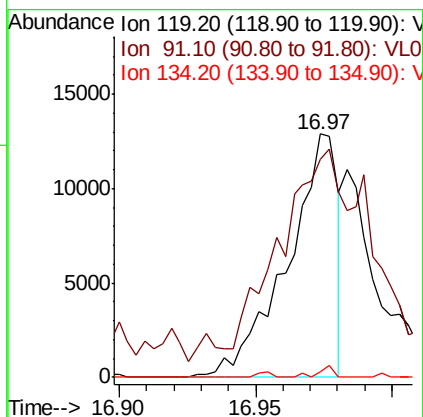
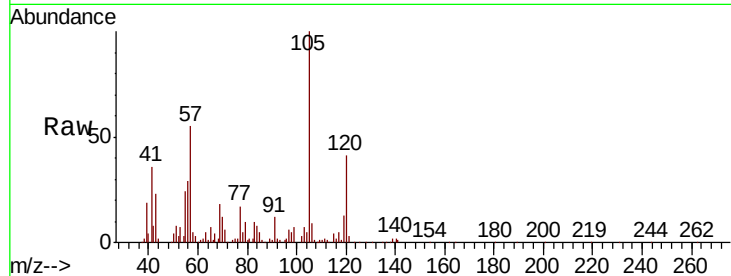




#65
 tert-Butylbenzene
 Concen: 0.042 ppbv
 RT: 16.97 min Scan# 4941
 Delta R.T. 0.01 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

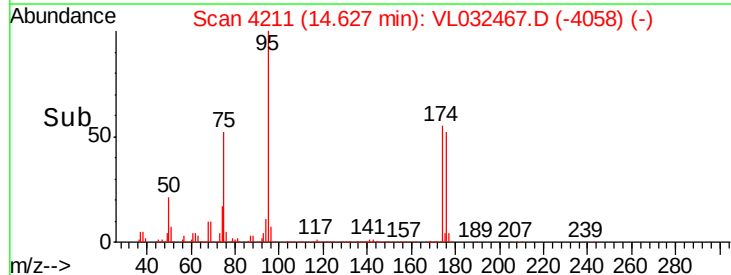
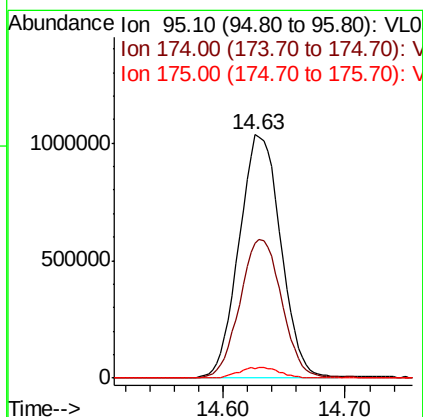
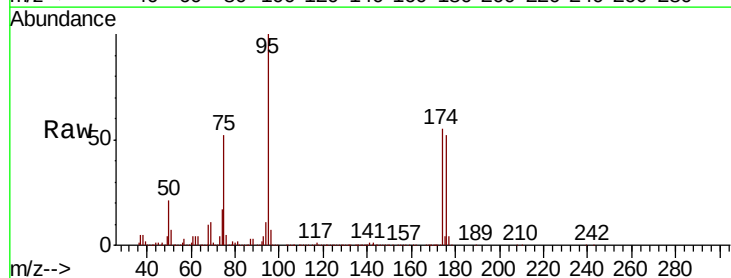
Instrument :
 MSVOA_L
 ClientSampled :
 VP-7

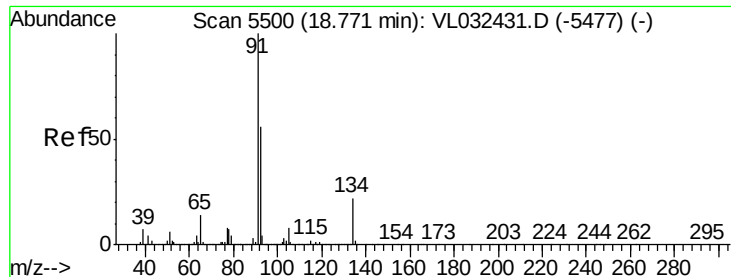
Tgt Ion: 119 Resp: 16424
 Ion Ratio Lower Upper
 119 100
 91 188.0 66.5 99.7#
 134 0.0 16.0 24.0#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.572 ppbv
 RT: 14.63 min Scan# 4211
 Delta R.T. -0.01 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

Tgt Ion: 95 Resp: 2445962
 Ion Ratio Lower Upper
 95 100
 174 57.7 46.3 69.5
 175 4.4 3.4 5.0





#70

n-Butylbenzene

Concen: 0.102 ppbv

RT: 18.77 min Scan# 5501

Delta R.T. 0.00 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

Instrument :

MSVOA_L

ClientSampleId :

VP-7

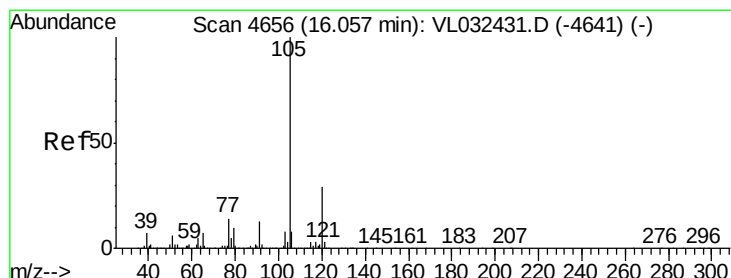
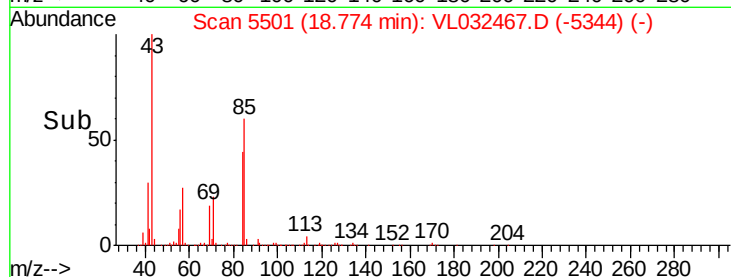
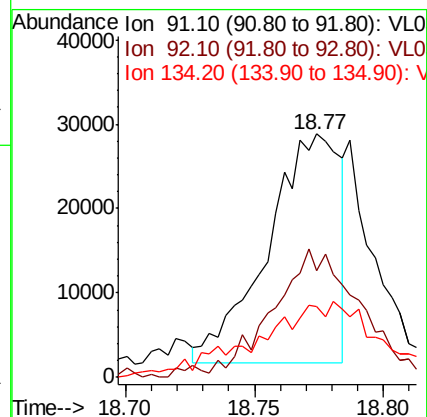
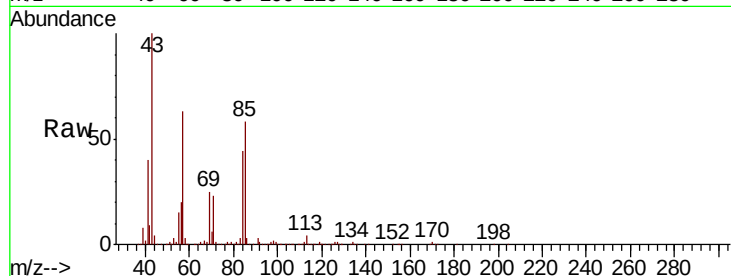
Tgt Ion: 91 Resp: 53115

Ion Ratio Lower Upper

91 100

92 68.9 43.8 65.8#

134 0.0 17.4 26.0#



#72

4-Ethyltoluene

Concen: 0.141 ppbv

RT: 16.05 min Scan# 4653

Delta R.T. -0.01 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

Tgt Ion: 105 Resp: 50223

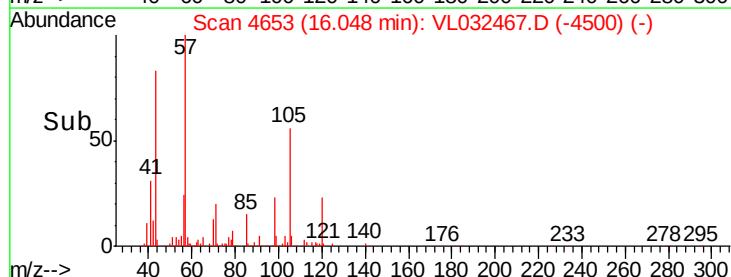
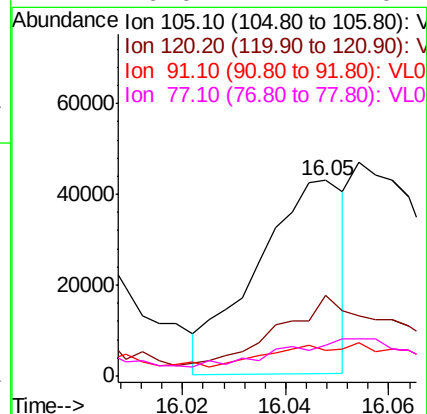
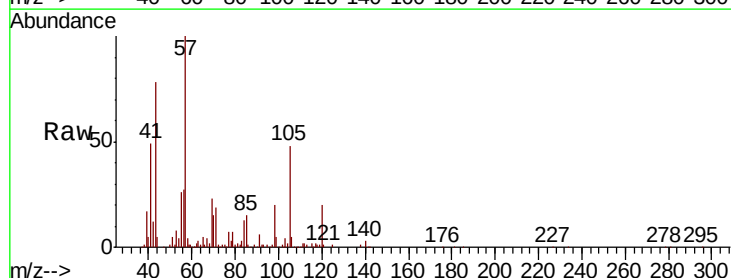
Ion Ratio Lower Upper

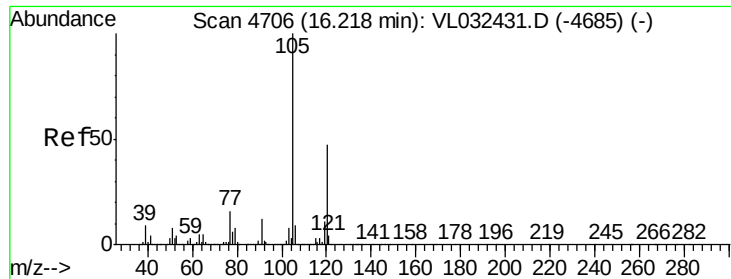
105 100

120 66.1 23.5 35.3#

91 0.0 10.2 15.2#

77 0.0 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.077 ppbv

RT: 16.21 min Scan# 4702

Delta R.T. -0.01 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

Instrument :

MSVOA_L

ClientSampled :

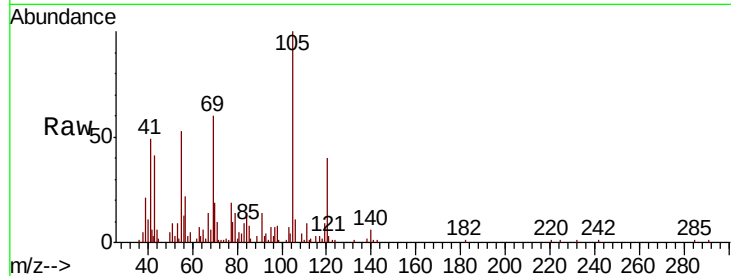
VP-7

Tgt Ion:105 Resp: 27361

Ion Ratio Lower Upper

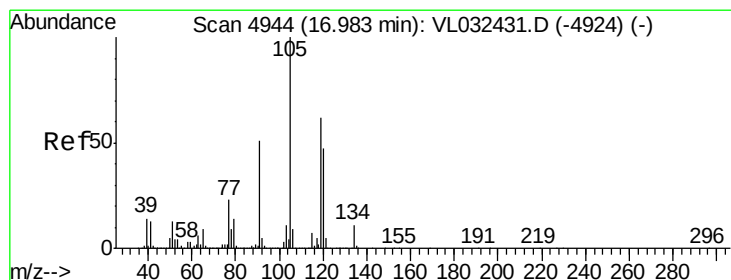
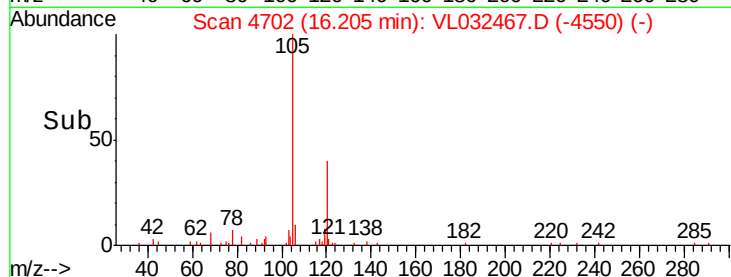
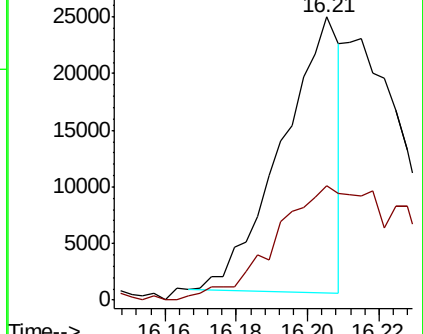
105 100

120 40.5 37.9 56.9



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: 0.593 ppbv

RT: 16.98 min Scan# 4943

Delta R.T. -0.00 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

Tgt Ion:105 Resp: 231523

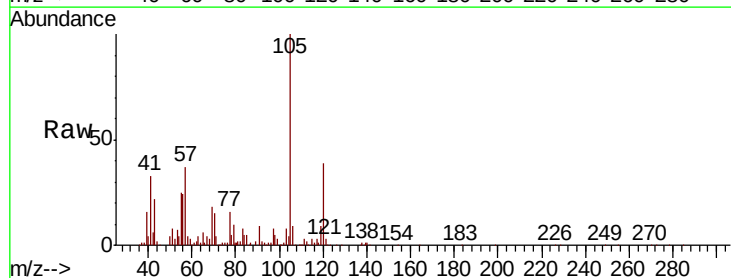
Ion Ratio Lower Upper

105 100

120 39.3 37.8 56.8

91 8.3 41.4 62.0#

77 14.4 18.6 28.0#

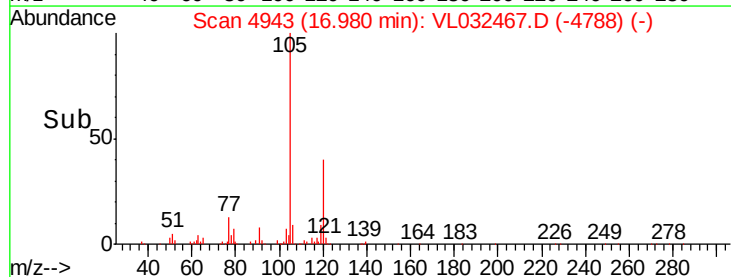
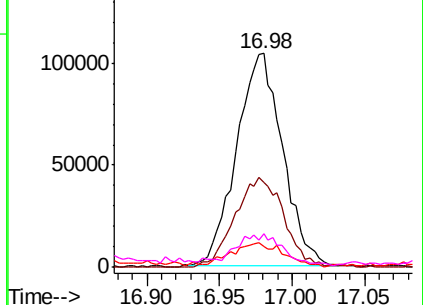


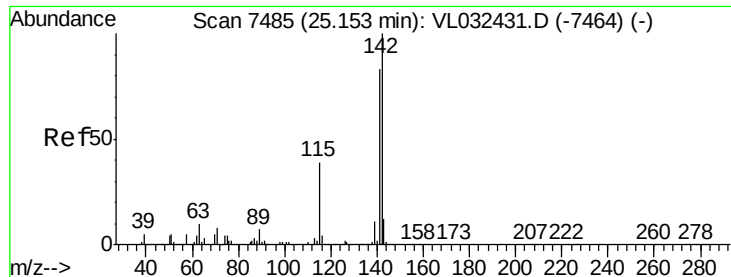
Abundance Ion 105.10 (104.80 to 105.80): V

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





#80

Naphthalene, 2-methyl-

Concen: 0.063 ppbv

RT: 25.15 min Scan# 7484

Delta R.T. -0.00 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

Instrument :

MSVOA_L

ClientSampleId :

VP-7

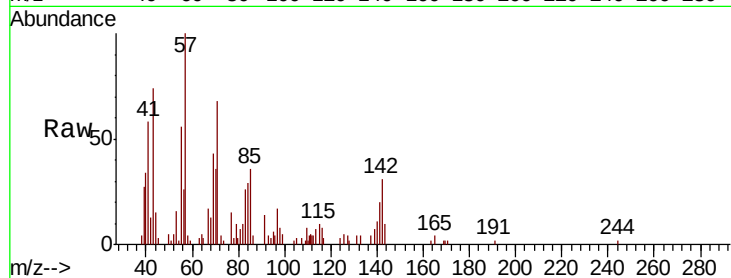
Tgt Ion:142 Resp: 5296

Ion Ratio Lower Upper

142 100

141 105.2 67.0 100.6#

115 28.1 31.3 46.9#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

