

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033915.D
 Acq On : 14 Jun 2019 2:50
 Operator : SY/AP
 Sample : K3367-01DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 14 05:37:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

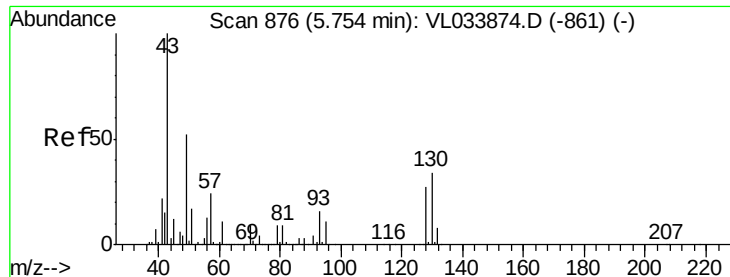
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	851917	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.27	114	2043834	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.22	117	2081321	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1569257	9.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	35899	0.260	ppbv	92
3) Chlorodifluoromethane	3.00	51	175320	1.748	ppbv #	80
4) Chloromethane	3.16	50	32719	0.572	ppbv	94
7) Chloroethane	3.59	64	751	0.036	ppbv #	80
9) Propene	3.23	41	111513	2.972	ppbv	92
10) Heptane	8.23	43	32781	0.346	ppbv	97
11) Trichlorofluoromethane	3.99	101	19759	0.111	ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.53	101	4626	0.038	ppbv #	13
13) Ethanol	3.64	45	1781821	145.937	ppbv	96
15) Acetone	3.89	43	912357	7.343	ppbv	97
16) 1,3-Butadiene	3.34	39	14530	0.307	ppbv #	6
17) tert-Butyl alcohol	4.36	59	6174	0.064	ppbv #	72
19) Isopropyl Alcohol	4.02	45	142892	2.013	ppbv #	92
20) Methylene Chloride	4.40	84	33223	0.686	ppbv #	91
21) Allyl Chloride	4.42	41	7535	0.107	ppbv #	4
23) Vinyl Acetate	5.13	43	20036	0.139	ppbv #	1
25) Ethyl Acetate	5.76	43	124526	0.658	ppbv #	94
26) Hexane	5.77	57	89235	1.036	ppbv #	62
27) Carbon Disulfide	4.61	76	4488	0.037	ppbv #	68
29) Chloroform	5.83	83	155253	1.052	ppbv	98
30) Cyclohexane	7.23	84	12235	0.201	ppbv #	5
34) 2-Butanone	5.32	43	46274	0.401	ppbv	99
35) Carbon Tetrachloride	7.11	117	11968	0.076	ppbv #	78
36) Benzene	6.98	78	117666	0.754	ppbv	98
39) 1,2-Dichloropropane	7.27	63	533426	8.853	ppbv #	26
44) 2,2,4-Trimethylpentane	7.98	57	171012	0.616	ppbv #	80
52) Tetrachloroethene	11.36	164	1225431	22.307	ppbv	97
53) Toluene	9.93	91	457523	2.648	ppbv	99
58) Ethyl Benzene	12.84	91	38560	0.164	ppbv	96
59) m/p-Xylene	13.10	91	69380	0.325	ppbv #	8
60) o-Xylene	13.83	91	33322	0.151	ppbv #	32
64) n-propylbenzene	15.70	120	3389	0.045	ppbv #	1
73) 1,3,5-Trimethylbenzene	16.13	105	21225	0.086	ppbv #	79
74) 1,2,4-Trimethylbenzene	16.90	105	140136	0.492	ppbv #	75
76) 1,4-Dichlorobenzene	17.29	146	5492	0.034	ppbv #	1
80) Naphthalene,2-methyl-	25.10	142	4309	0.047	ppbv #	90

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 874

Delta R.T. -0.01 min

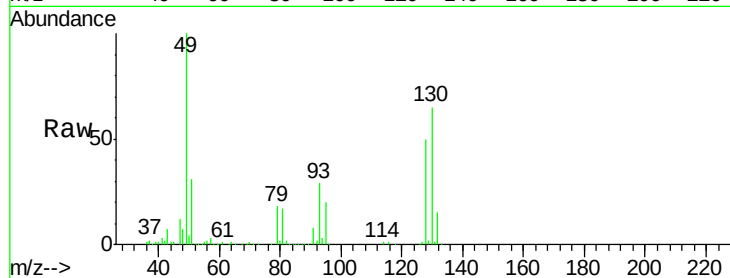
Lab File: VL033915.D

Acq: 14 Jun 2019 2:50

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 851917

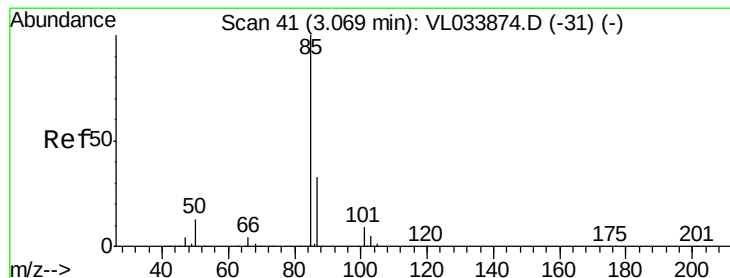
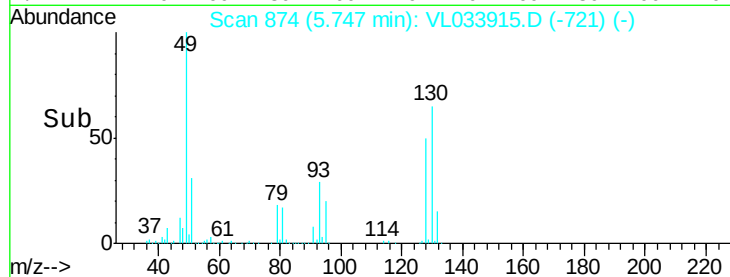
Ion	Ratio	Lower	Upper
49	100		
128	49.9	25.5	76.5
130	63.9	32.5	97.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.260 ppbv

RT: 3.07 min Scan# 41

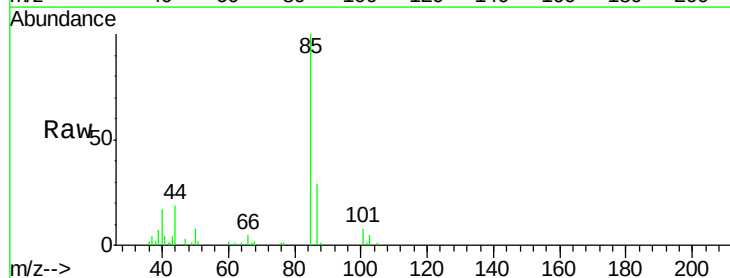
Delta R.T. -0.00 min

Lab File: VL033915.D

Acq: 14 Jun 2019 2:50

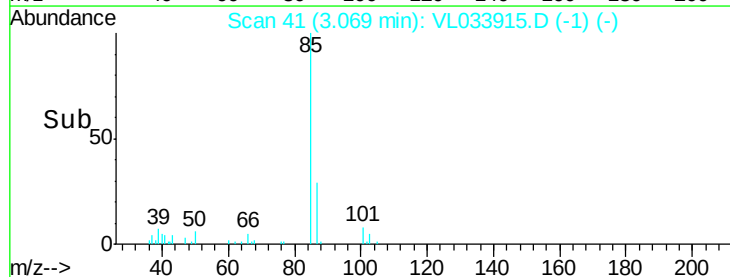
Tgt Ion: 85 Resp: 35899

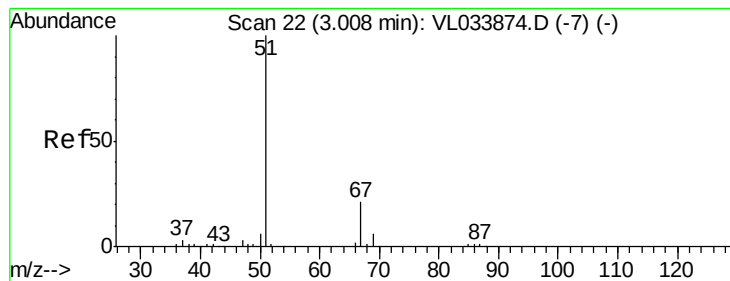
Ion	Ratio	Lower	Upper
85	100		
87	29.0	26.6	40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.748 ppbv

RT: 3.00 min Scan# 21

Delta R.T. -0.00 min

Lab File: VL033915.D

Acq: 14 Jun 2019 2:50

Instrument :

MSVOA_L

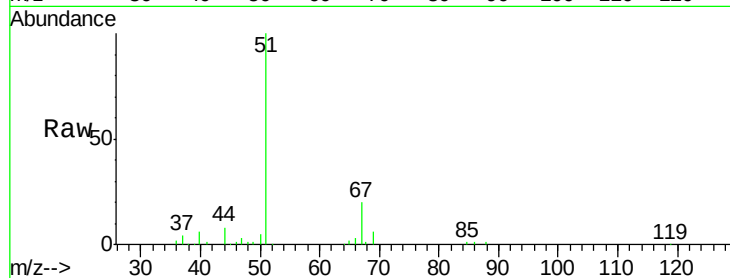
ClientSampleId :

Tot Ion: 51 Resp: 175320

Ion Ratio Lower Upper

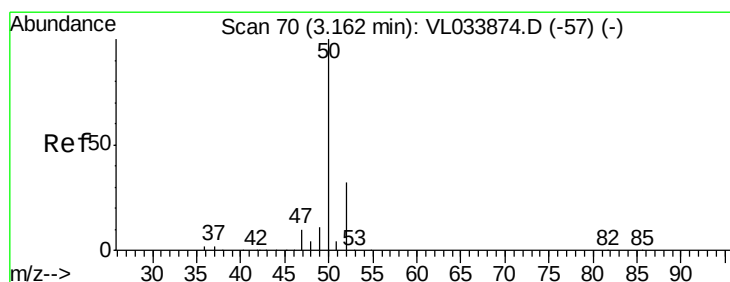
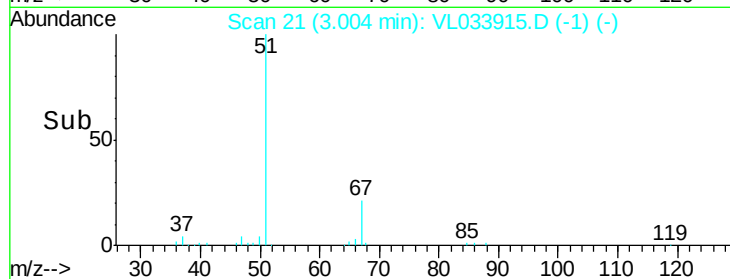
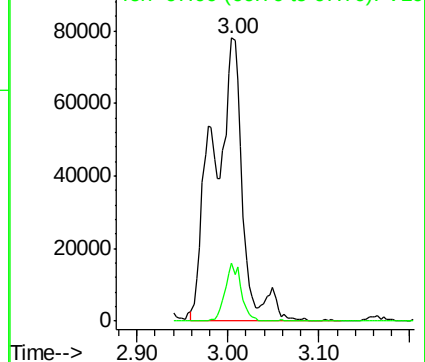
51 100

67 11.1 16.4 24.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.572 ppbv

RT: 3.16 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL033915.D

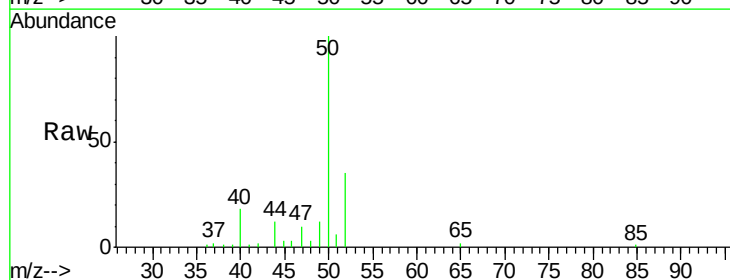
Acq: 14 Jun 2019 2:50

Tgt Ion: 50 Resp: 32719

Ion Ratio Lower Upper

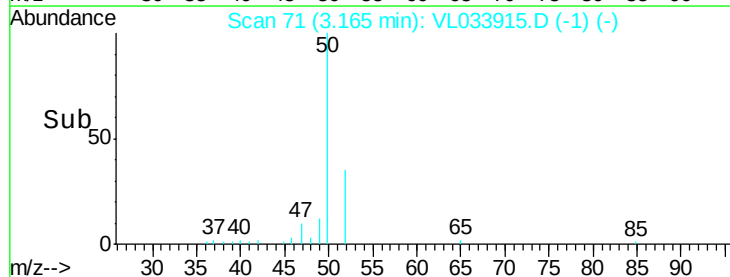
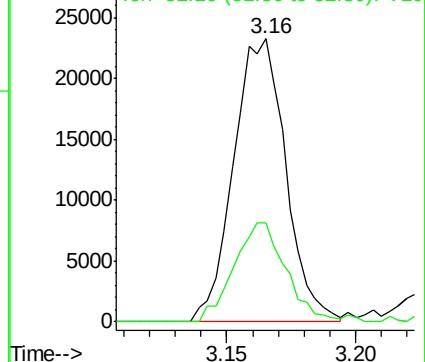
50 100

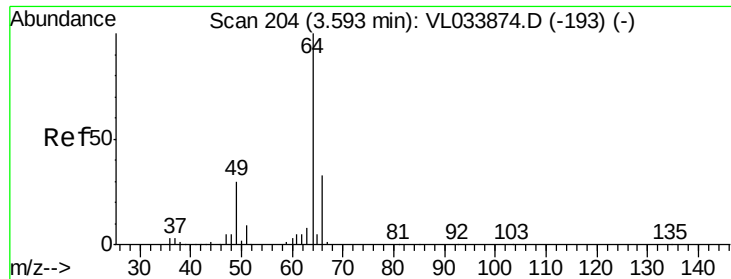
52 35.0 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.036 ppbv

RT: 3.59 min Scan# 203

Delta R.T. -0.00 min

Lab File: VL033915.D

Acq: 14 Jun 2019 2:50

Instrument :

MSVOA_L

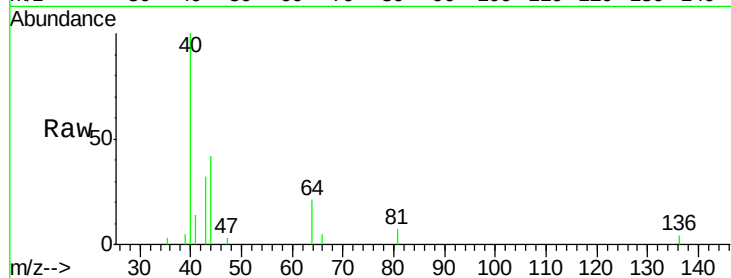
ClientSampleId :

Tot Ion: 64 Resp: 751

Ion Ratio Lower Upper

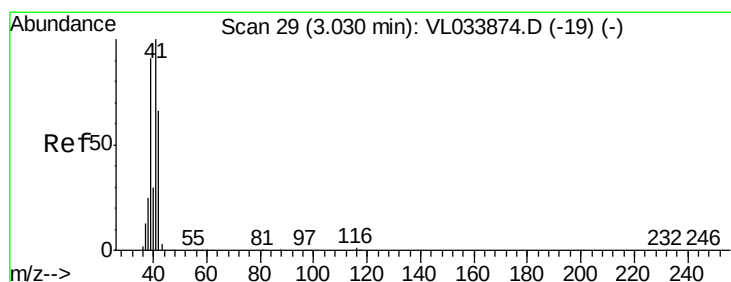
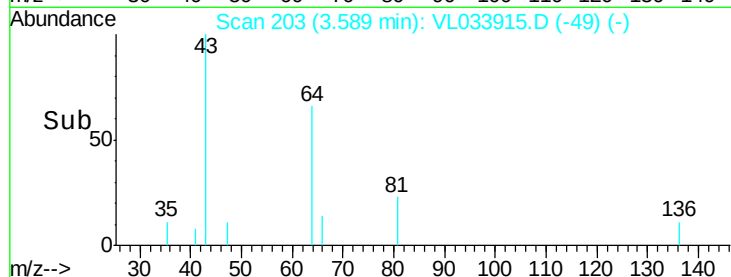
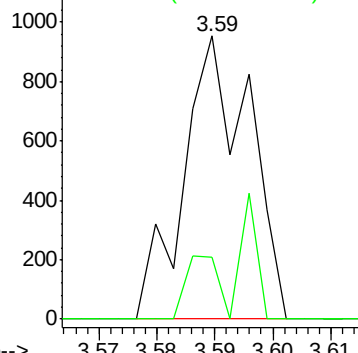
64 100

66 21.9 26.7 40.1#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 2.972 ppbv

RT: 3.23 min Scan# 91

Delta R.T. 0.20 min

Lab File: VL033915.D

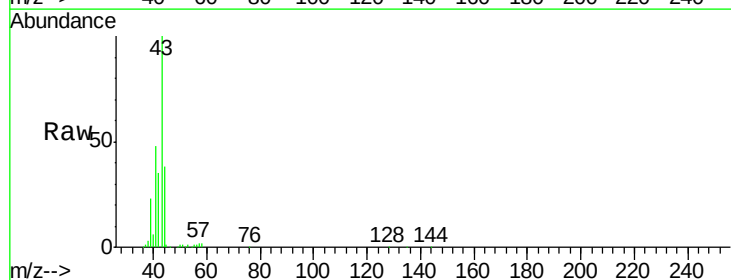
Acq: 14 Jun 2019 2:50

Tgt Ion: 41 Resp: 111513

Ion Ratio Lower Upper

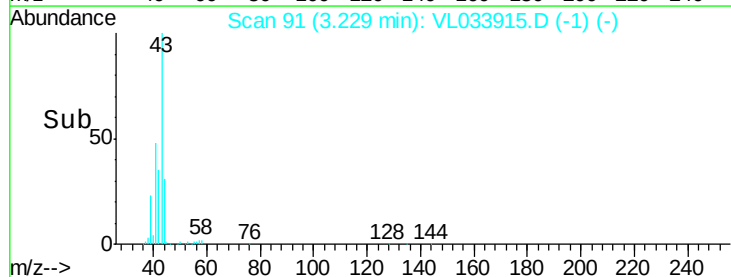
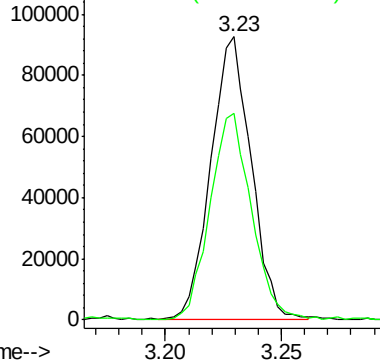
41 100

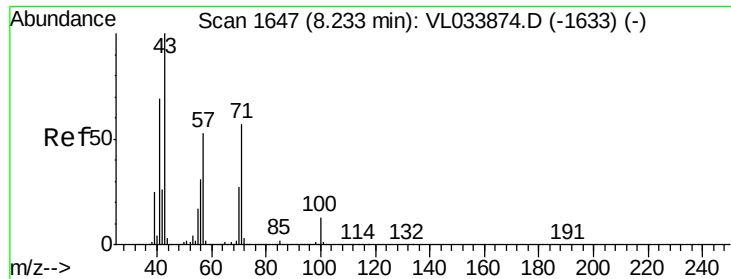
42 76.9 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.346 ppbv

RT: 8.23 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VL033915.D

Acq: 14 Jun 2019 2:50

Instrument :

MSVOA_L

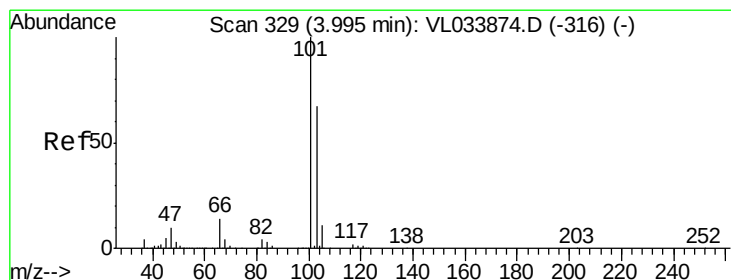
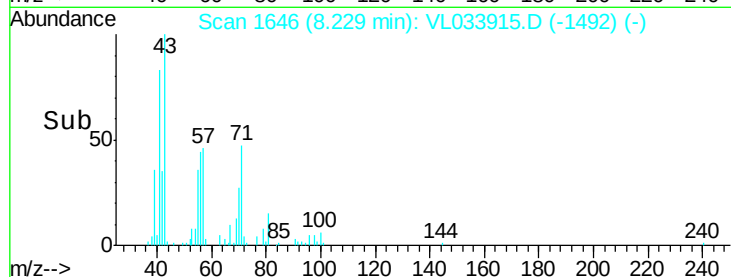
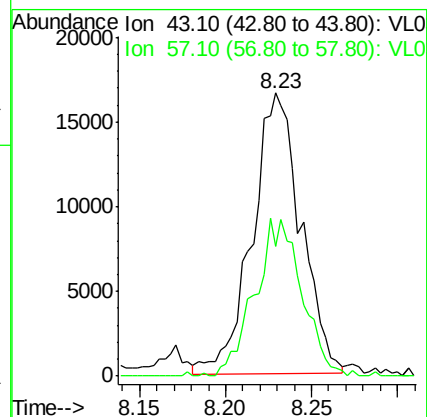
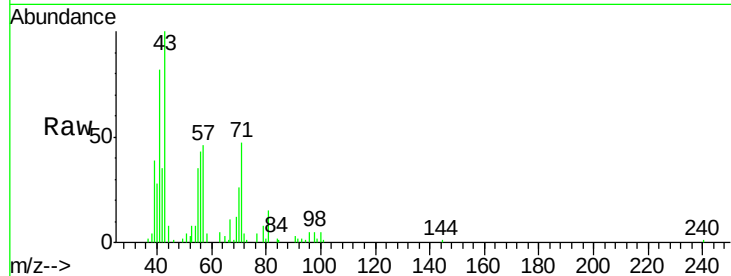
ClientSampleId :

Tot Ion: 43 Resp: 32781

Ion Ratio Lower Upper

43 100

57 53.9 41.7 62.5



#11

Trichlorofluoromethane

Concen: 0.111 ppbv

RT: 3.99 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL033915.D

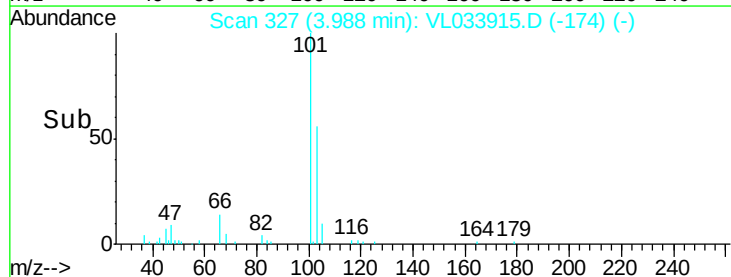
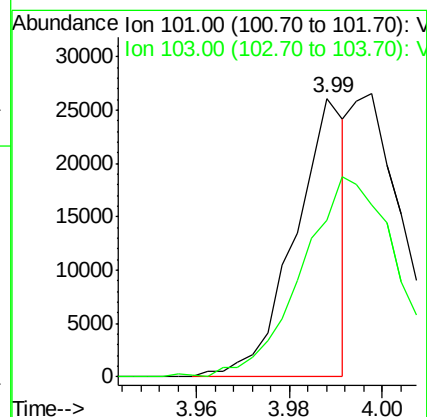
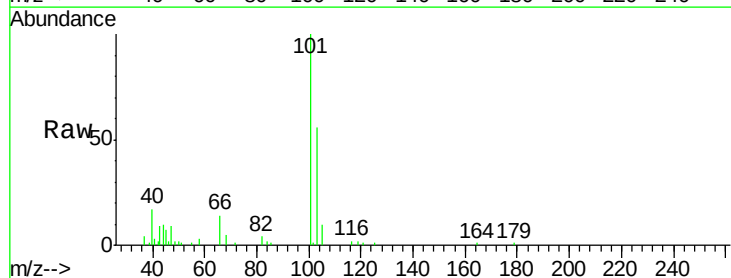
Acq: 14 Jun 2019 2:50

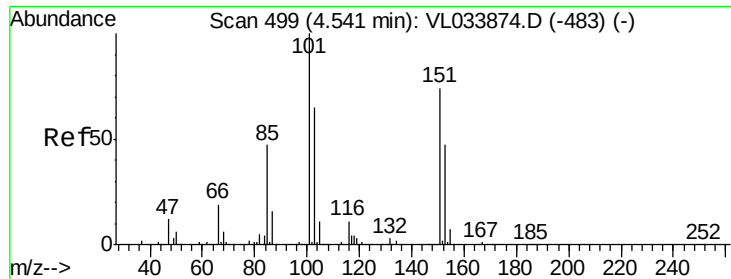
Tgt Ion: 101 Resp: 19759

Ion Ratio Lower Upper

101 100

103 55.7 53.6 80.4





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.038 ppbv

RT: 4.53 min Scan# 496

Delta R.T. -0.01 min

Lab File: VL033915.D

Acq: 14 Jun 2019 2:50

Instrument :

MSVOA_L

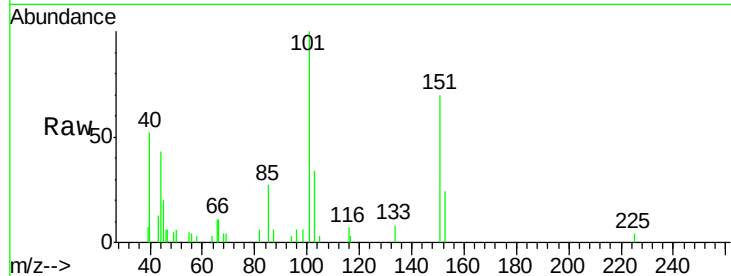
ClientSampleId :

Tot Ion:101 Resp: 4626

Ion Ratio Lower Upper

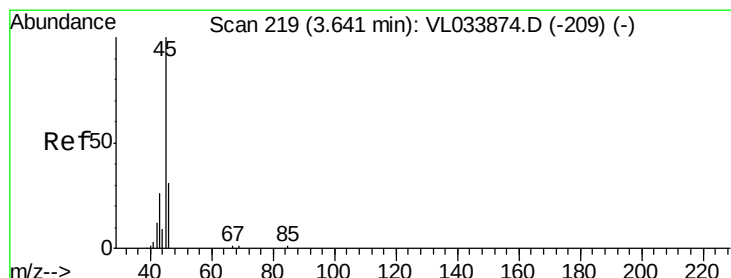
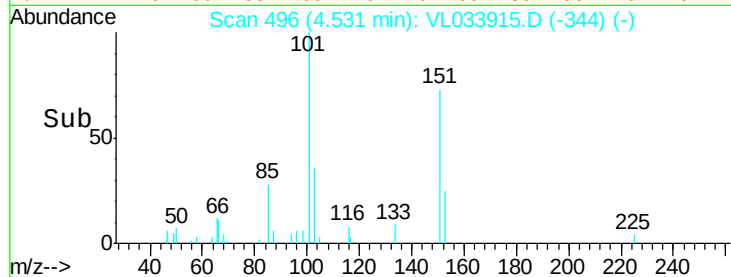
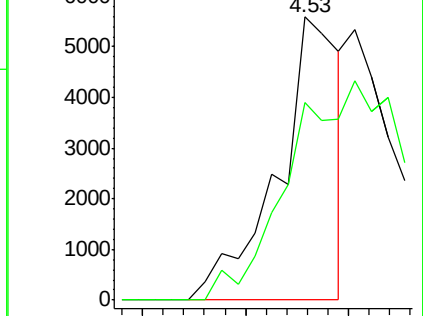
101 100

151 0.0 58.6 87.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 145.937 ppbv

RT: 3.64 min Scan# 220

Delta R.T. 0.00 min

Lab File: VL033915.D

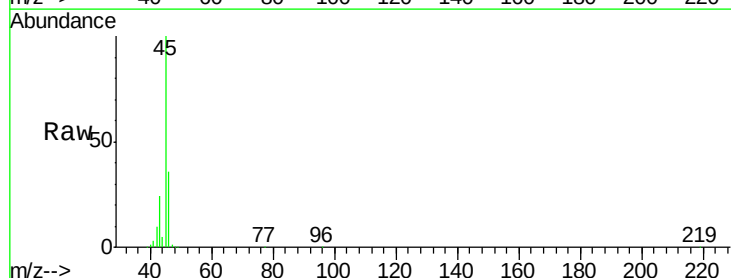
Acq: 14 Jun 2019 2:50

Tgt Ion: 45 Resp: 1781821

Ion Ratio Lower Upper

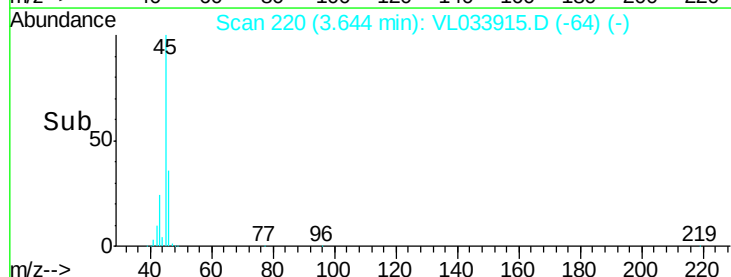
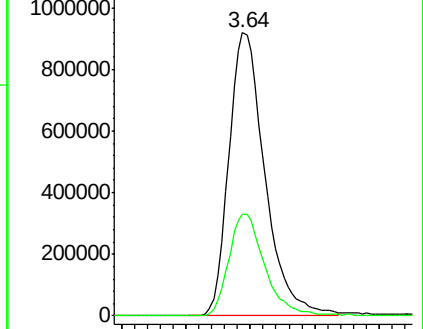
45 100

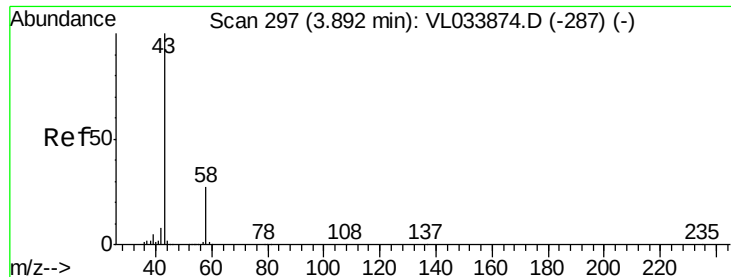
46 36.1 15.3 61.1



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 7.343 ppbv

RT: 3.89 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL033915.D

Acq: 14 Jun 2019 2:50

Instrument :

MSVOA_L

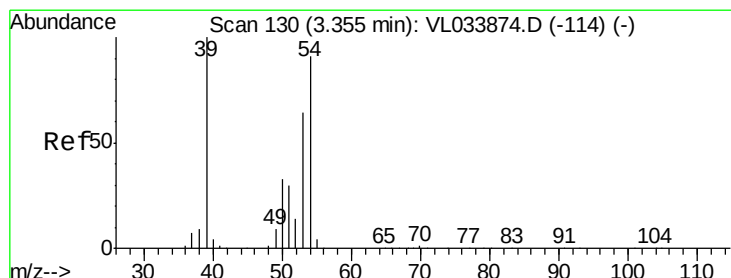
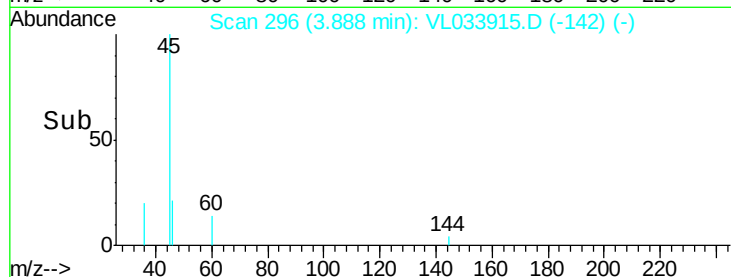
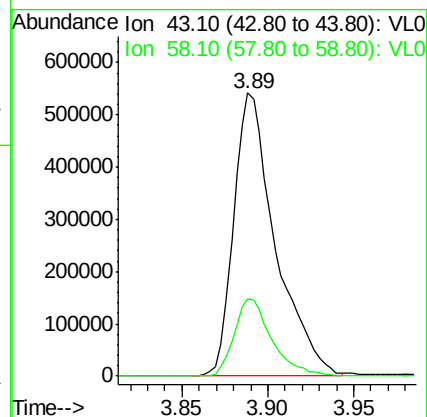
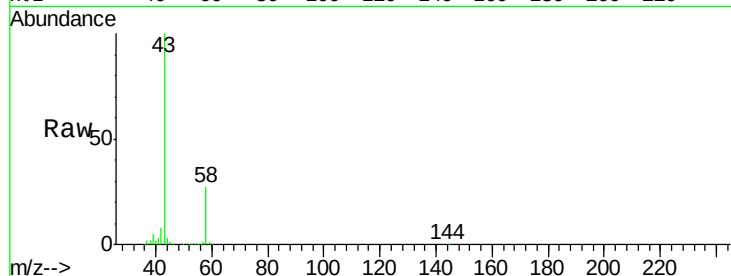
ClientSampleId :

Tot Ion: 43 Resp: 912357

Ion Ratio Lower Upper

43 100

58 25.1 21.3 31.9



#16

1,3-Butadiene

Concen: 0.307 ppbv

RT: 3.34 min Scan# 124

Delta R.T. -0.02 min

Lab File: VL033915.D

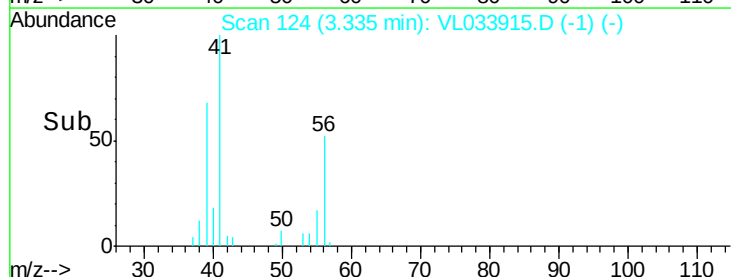
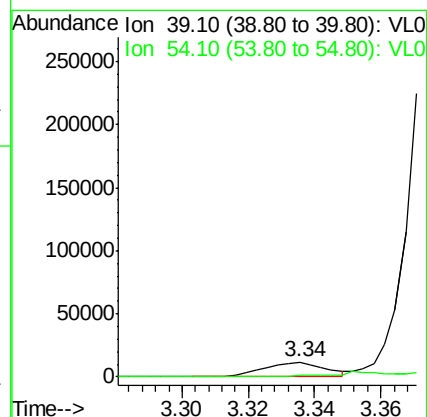
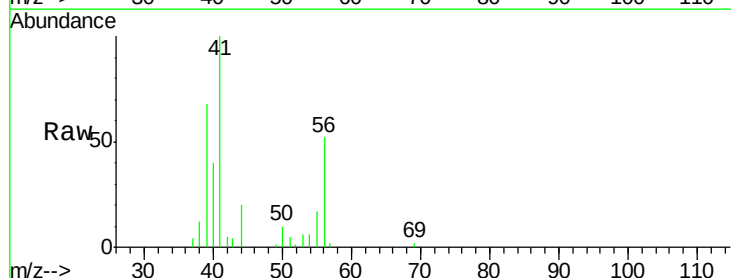
Acq: 14 Jun 2019 2:50

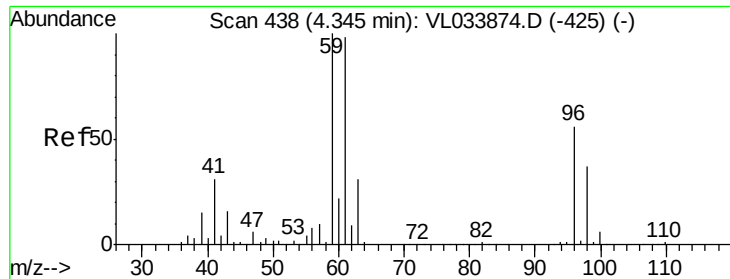
Tgt Ion: 39 Resp: 14530

Ion Ratio Lower Upper

39 100

54 0.0 68.6 103.0#

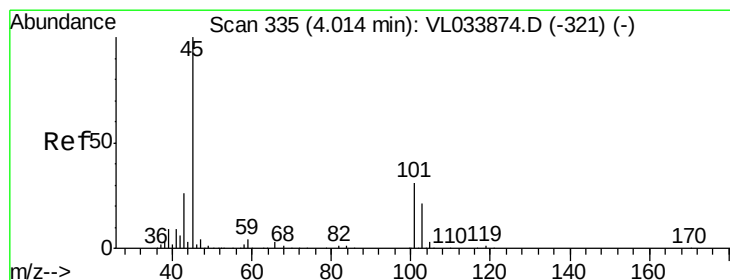
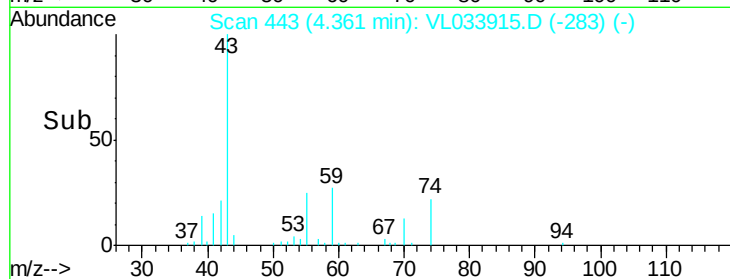
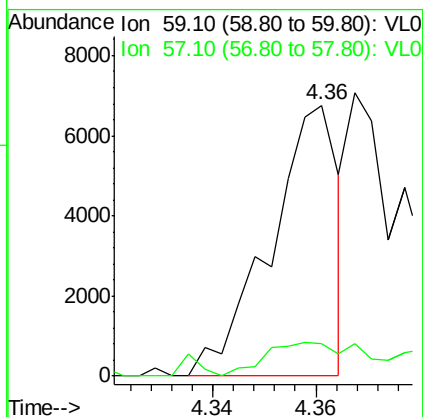
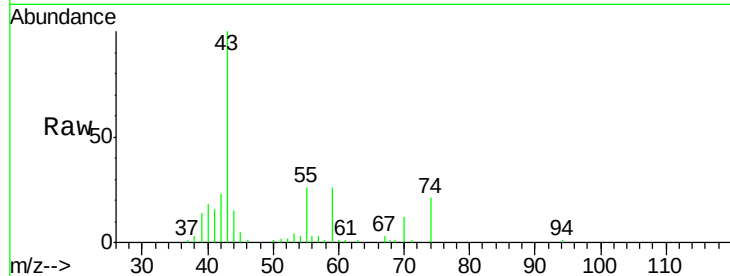




#17
tert-Butyl alcohol
Concen: 0.064 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.02 min
Lab File: VL033915.D
Acq: 14 Jun 2019 2:50

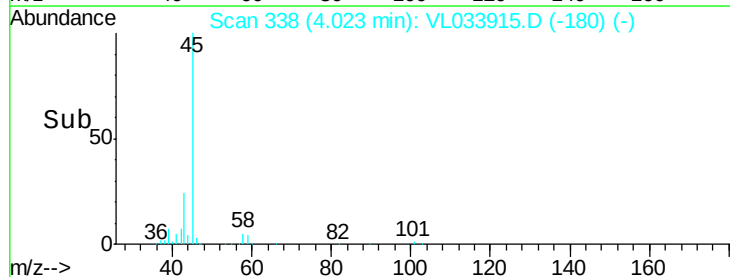
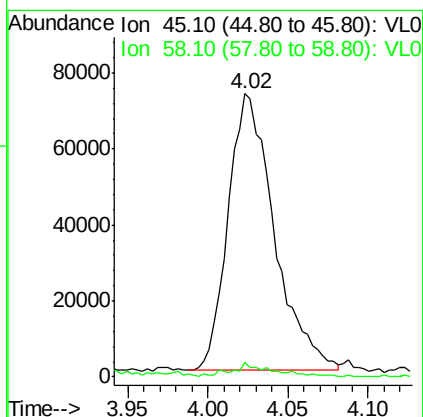
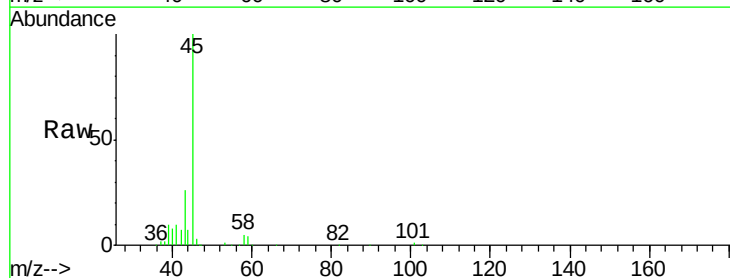
Instrument :
MSVOA_L
ClientSampleId :

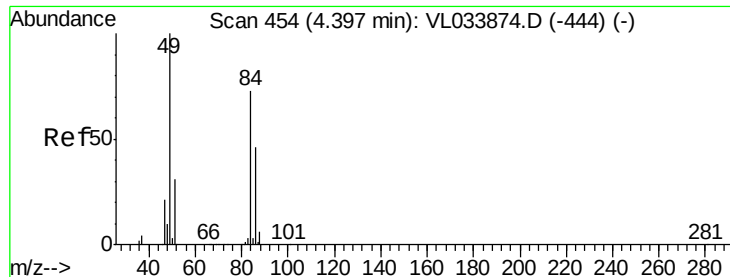
Tot Ion: 59 Resp: 6174
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#19
Isopropyl Alcohol
Concen: 2.013 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.01 min
Lab File: VL033915.D
Acq: 14 Jun 2019 2:50

Tgt Ion: 45 Resp: 142892
Ion Ratio Lower Upper
45 100
58 5.0 1.8 2.6#

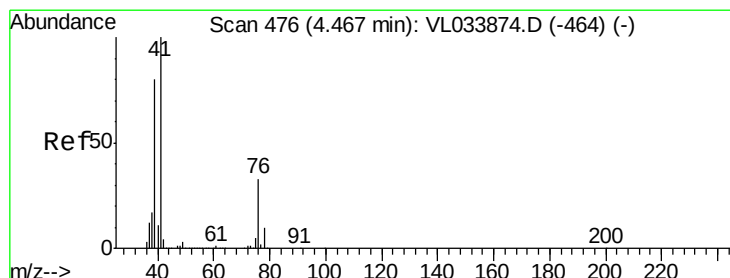
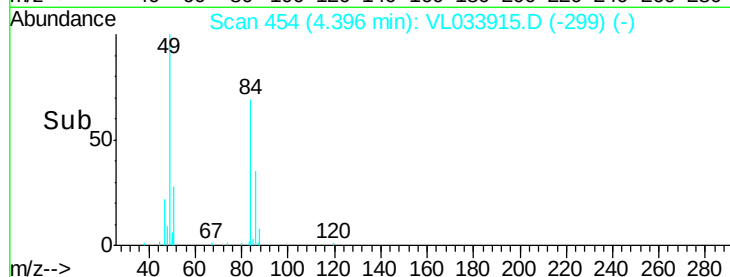
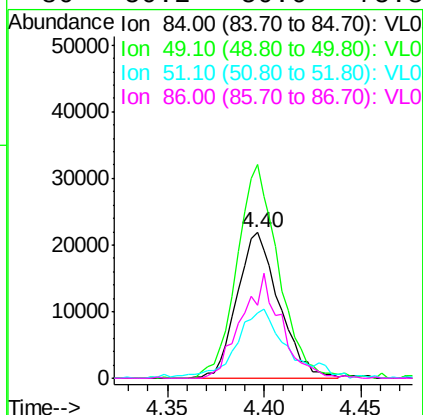
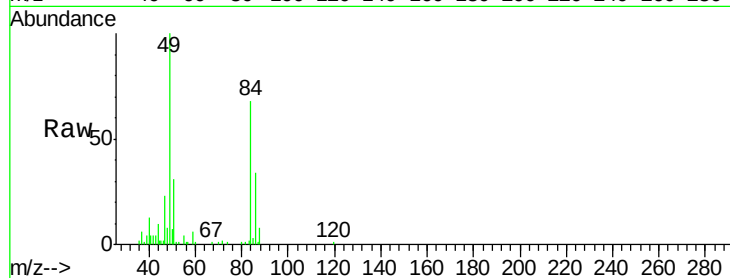




#20
Methylene Chloride
Concen: 0.686 ppbv
RT: 4.40 min Scan# 454
Delta R.T. -0.00 min
Lab File: VL033915.D
Acq: 14 Jun 2019 2:50

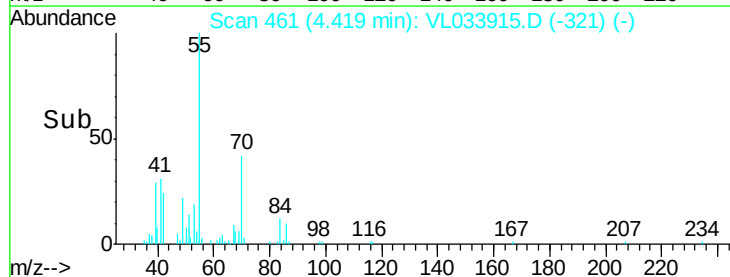
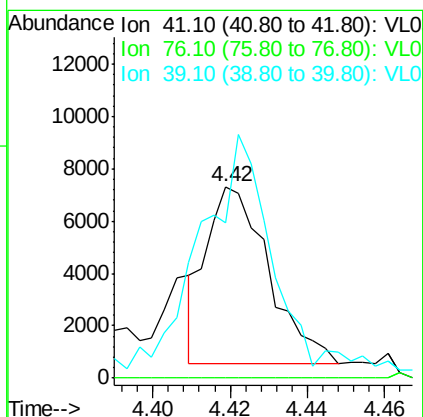
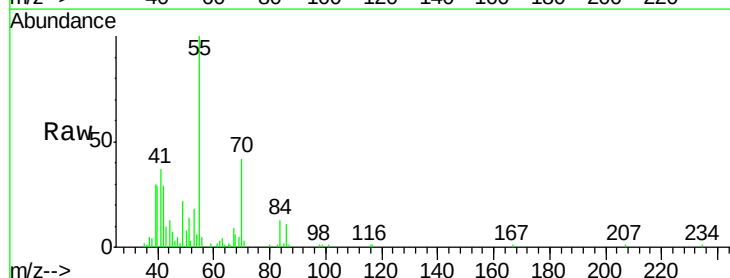
Instrument :
MSVOA_L
ClientSampleId :

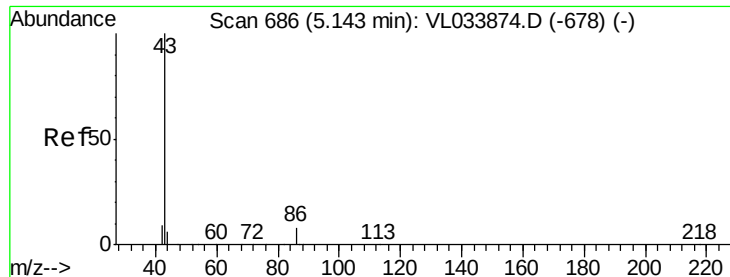
Tot Ion: 84 Resp: 33223
Ion Ratio Lower Upper
84 100
49 146.6 110.0 165.0
51 42.4 34.6 51.8
86 50.2 50.6 75.8#



#21
Allyl Chloride
Concen: 0.107 ppbv
RT: 4.42 min Scan# 461
Delta R.T. -0.05 min
Lab File: VL033915.D
Acq: 14 Jun 2019 2:50

Tgt Ion: 41 Resp: 7535
Ion Ratio Lower Upper
41 100
76 0.0 26.6 39.8#
39 180.8 65.2 97.8#





#23

Vinyl Acetate

Concen: 0.139 ppbv

RT: 5.13 min Scan# 683

Delta R.T. -0.01 min

Lab File: VL033915.D

Acq: 14 Jun 2019 2:50

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 20036

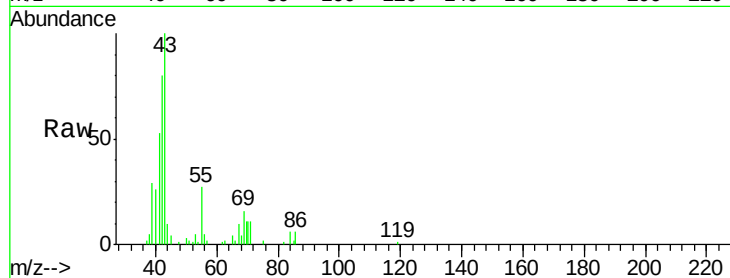
Ion Ratio Lower Upper

43 100

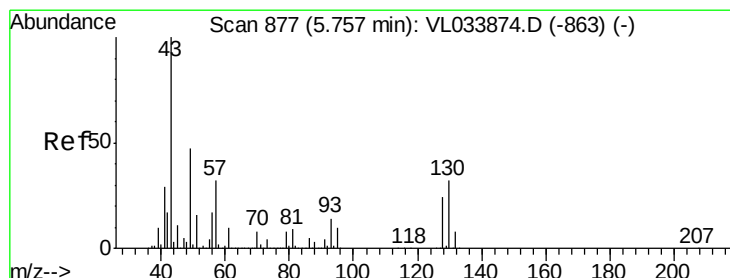
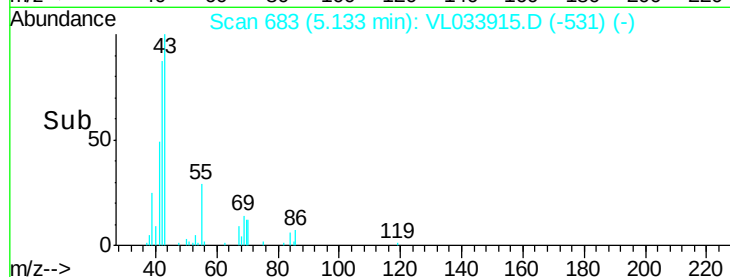
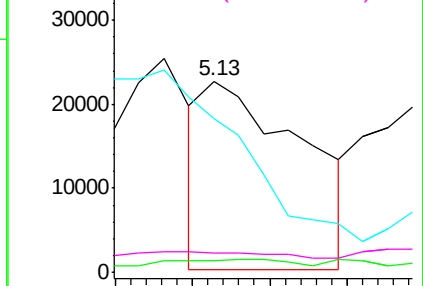
86 0.0 5.8 8.8#

42 133.2 7.8 11.8#

44 6.4 4.2 6.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 0.658 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033915.D

Acq: 14 Jun 2019 2:50

Tgt Ion: 43 Resp: 124526

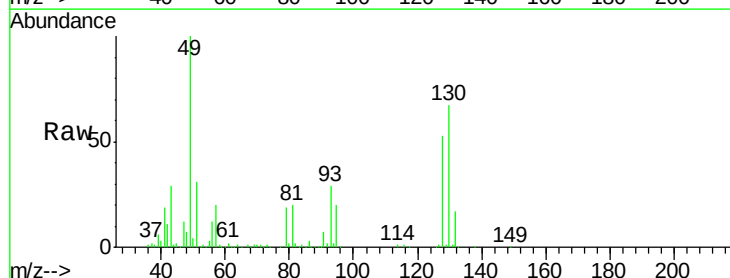
Ion Ratio Lower Upper

43 100

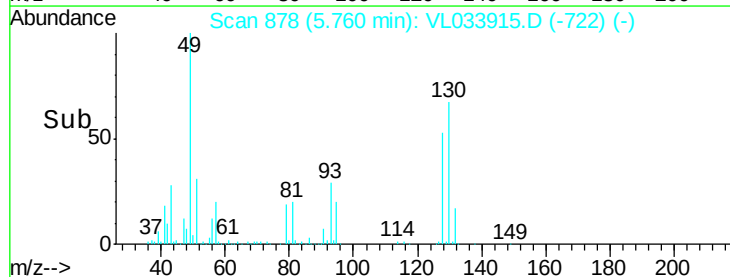
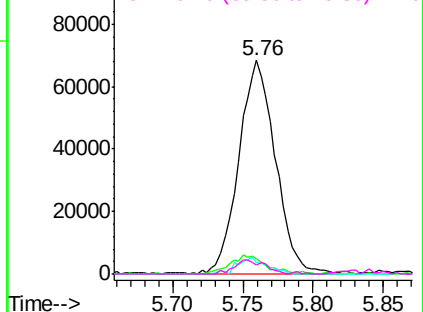
45 9.0 7.9 11.9

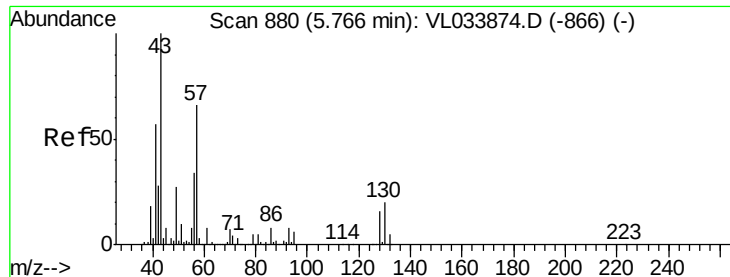
61 6.2 7.8 11.6#

70 5.7 5.8 8.6#



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





#26

Hexane

Concen: 1.036 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033915.D

Acq: 14 Jun 2019 2:50

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 57 Resp: 89235

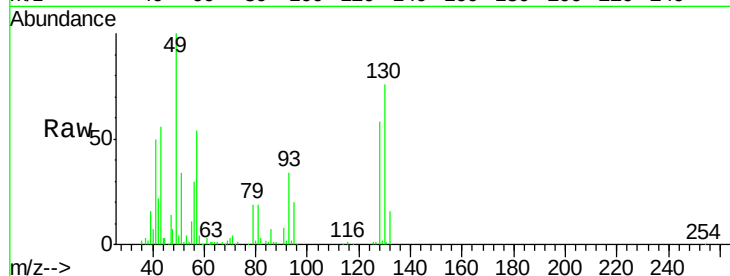
Ion Ratio Lower Upper

57 100

41 103.9 71.4 107.2

43 141.2 183.7 275.5#

56 58.7 42.7 64.1

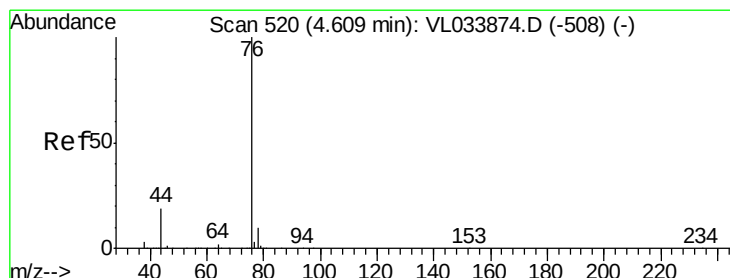
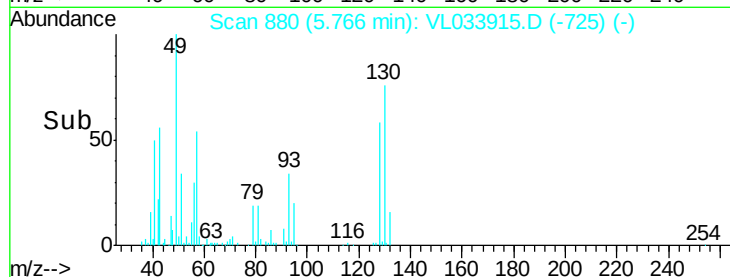
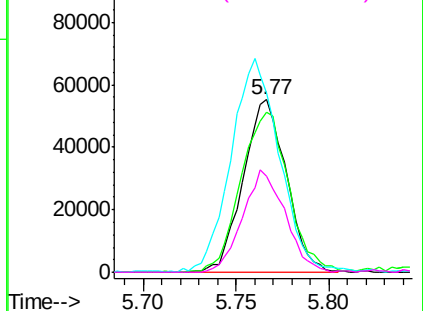


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.037 ppbv

RT: 4.61 min Scan# 521

Delta R.T. 0.00 min

Lab File: VL033915.D

Acq: 14 Jun 2019 2:50

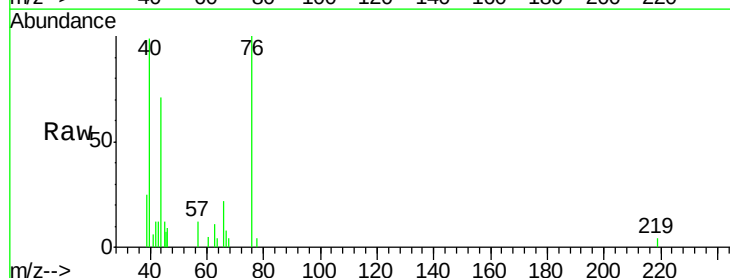
Tgt Ion: 76 Resp: 4488

Ion Ratio Lower Upper

76 100

44 33.5 14.4 21.6#

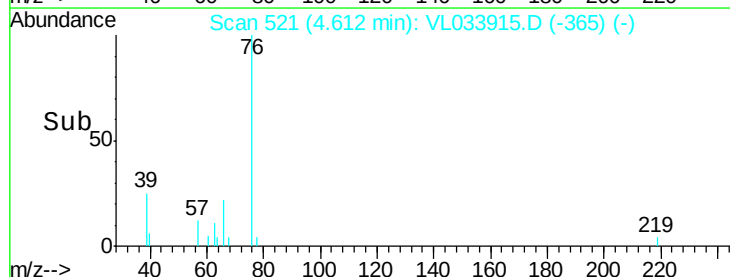
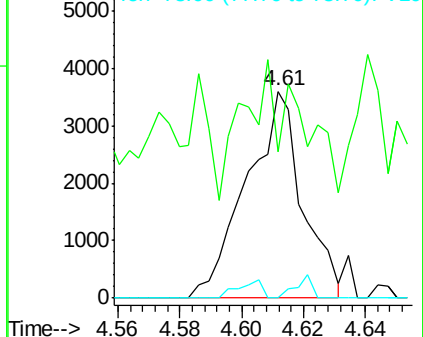
78 0.0 7.5 11.3#

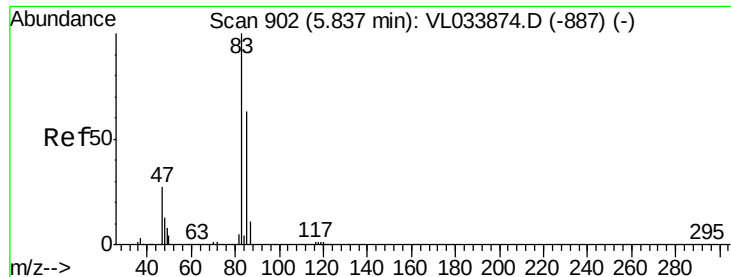


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

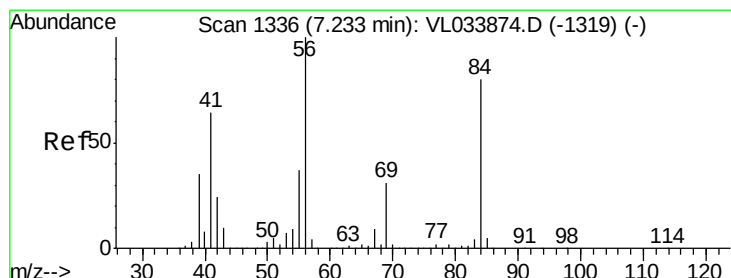
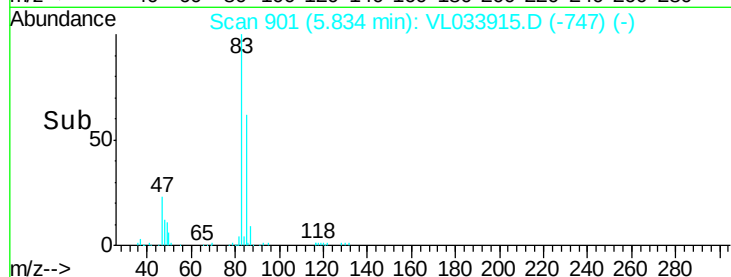
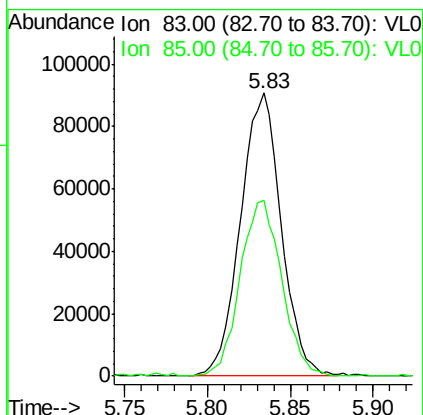
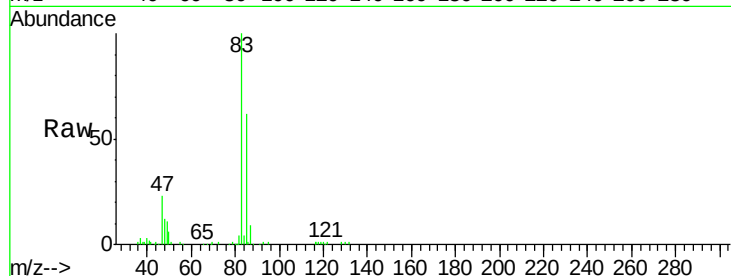




#29
Chloroform
Concen: 1.052 ppbv
RT: 5.83 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL033915.D
Acq: 14 Jun 2019 2:50

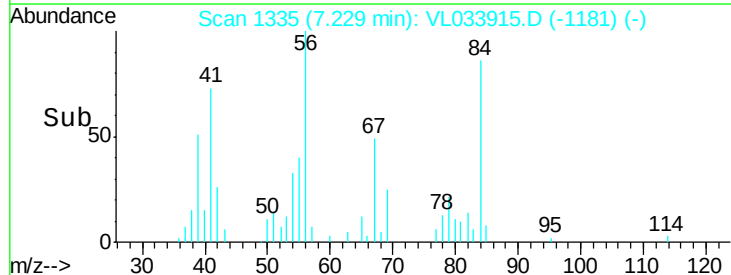
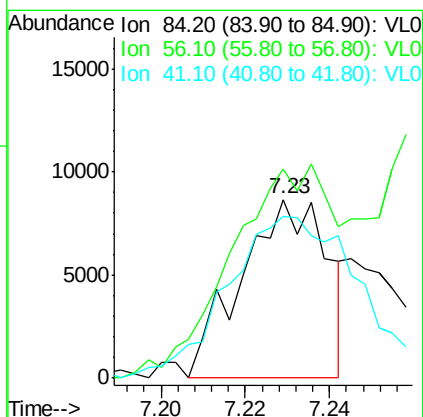
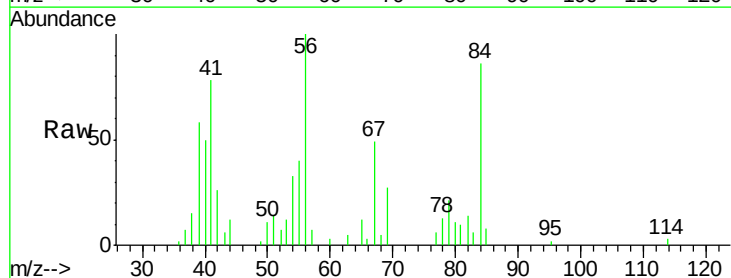
Instrument :
MSVOA_L
ClientSampleId :

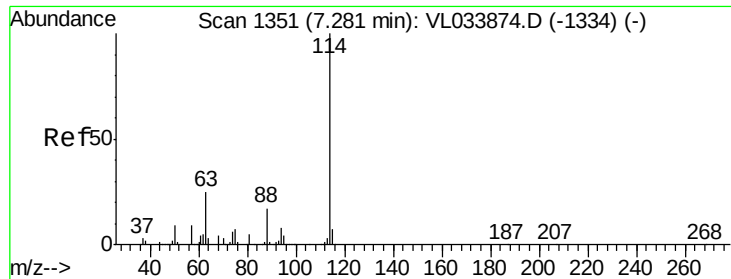
Tot Ion: 83 Resp: 155253
Ion Ratio Lower Upper
83 100
85 61.8 50.5 75.7



#30
Cyclohexane
Concen: 0.201 ppbv
RT: 7.23 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VL033915.D
Acq: 14 Jun 2019 2:50

Tgt Ion: 84 Resp: 12235
Ion Ratio Lower Upper
84 100
56 0.0 105.8 158.8#
41 142.6 65.7 98.5#

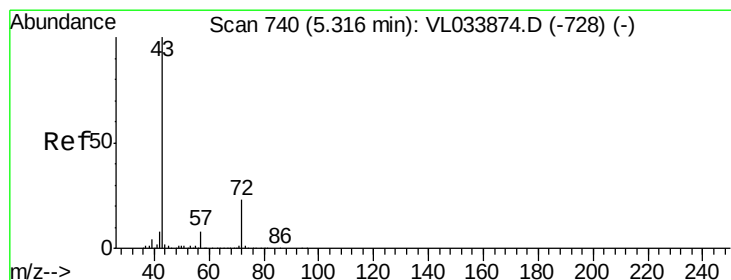
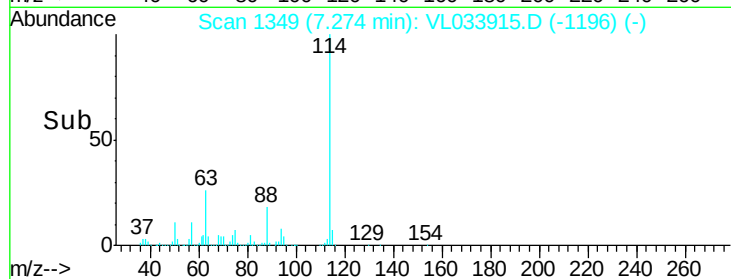
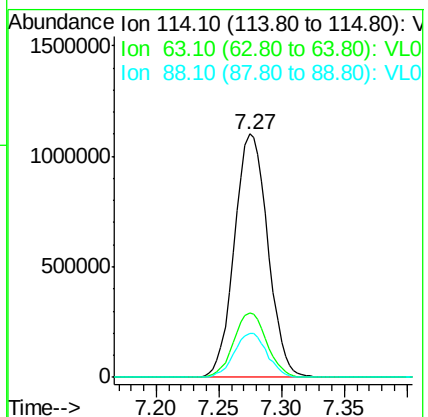
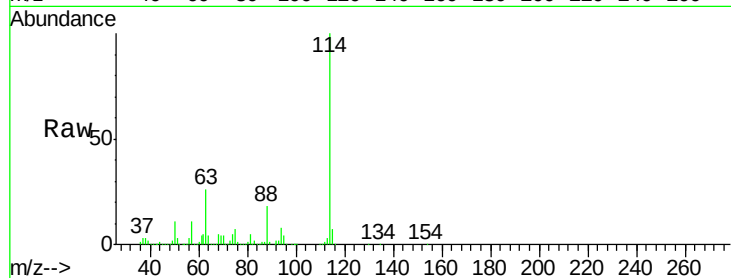




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.27 min Scan# 1349
 Delta R.T. -0.01 min
 Lab File: VL033915.D
 Acq: 14 Jun 2019 2:50

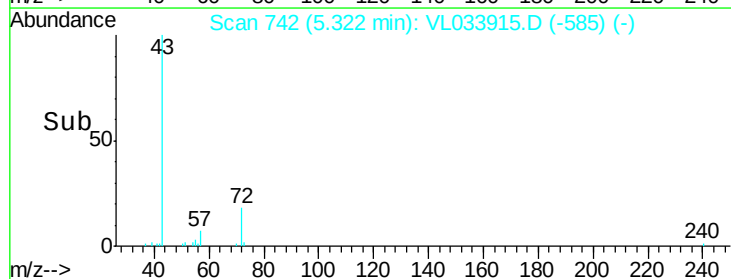
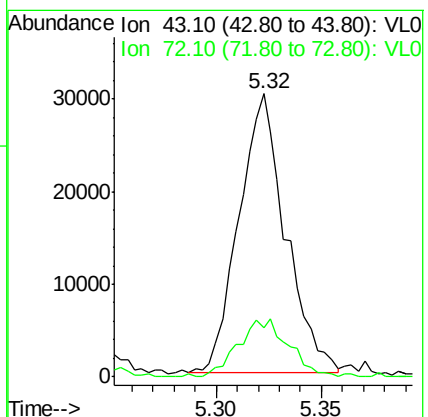
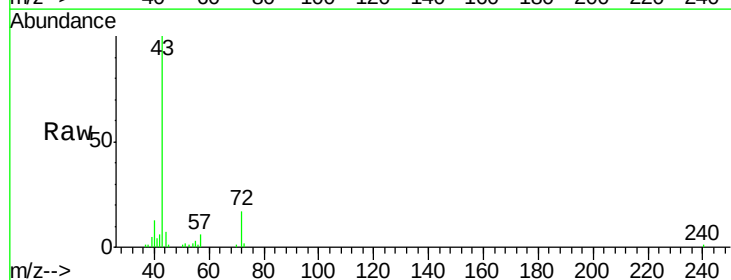
Instrument :
 MSVOA_L
 ClientSampleId :

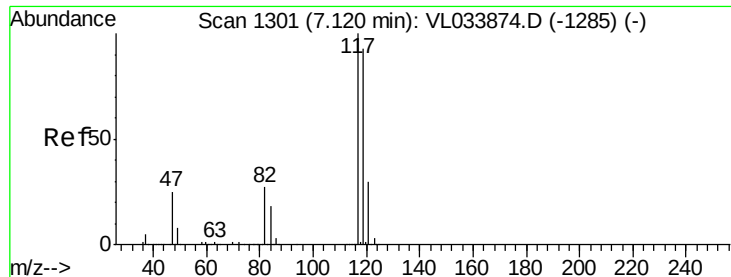
Tot Ion:114 Resp: 2043834
 Ion Ratio Lower Upper
 114 100
 63 26.4 21.1 31.7
 88 17.8 14.2 21.4



#34
 2-Butanone
 Concen: 0.401 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. 0.01 min
 Lab File: VL033915.D
 Acq: 14 Jun 2019 2:50

Tgt Ion: 43 Resp: 46274
 Ion Ratio Lower Upper
 43 100
 72 22.7 17.9 26.9





#35

Carbon Tetrachloride

Concen: 0.076 ppbv

RT: 7.11 min Scan# 1299

Delta R.T. -0.01 min

Lab File: VL033915.D

Acq: 14 Jun 2019 2:50

Instrument :

MSVOA_L

ClientSampleId :

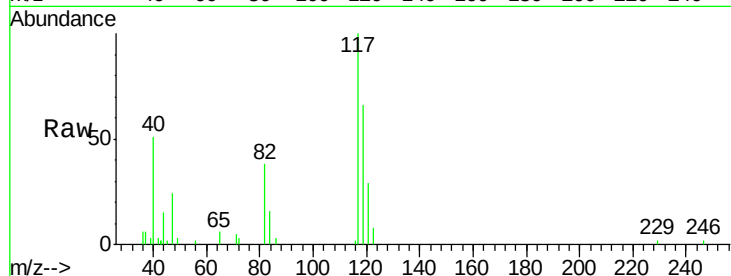
Tot Ion:117 Resp: 11968

Ion Ratio Lower Upper

117 100

119 65.9 74.6 111.8#

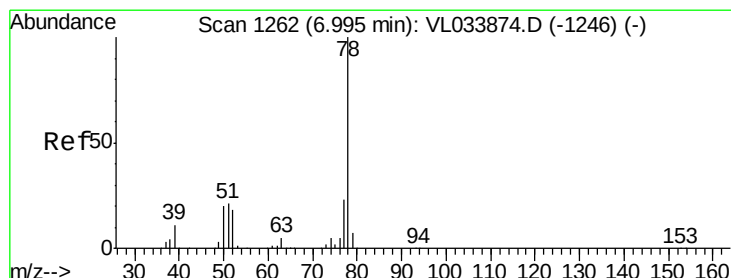
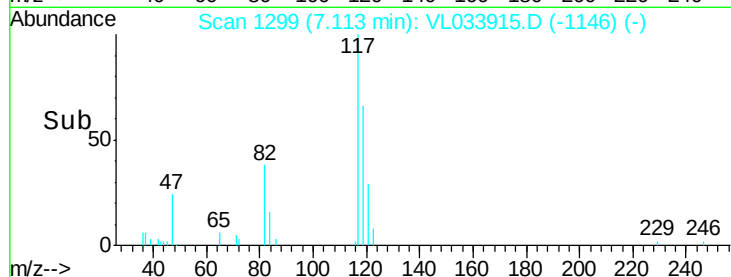
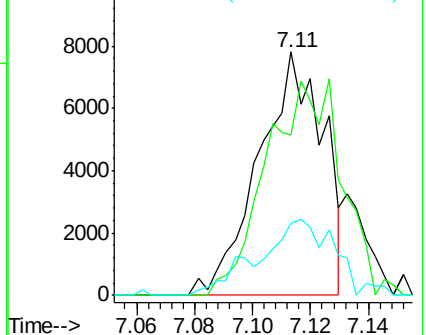
121 29.5 24.0 36.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.754 ppbv

RT: 6.98 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VL033915.D

Acq: 14 Jun 2019 2:50

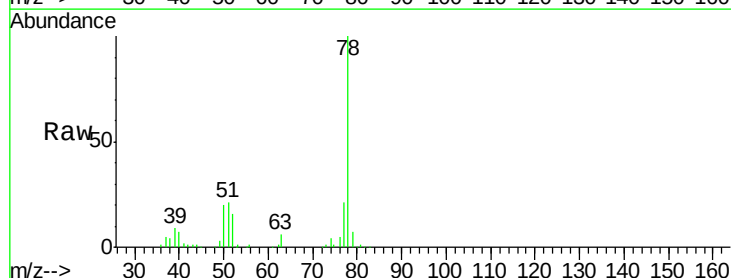
Tgt Ion: 78 Resp: 117666

Ion Ratio Lower Upper

78 100

77 20.6 18.2 27.2

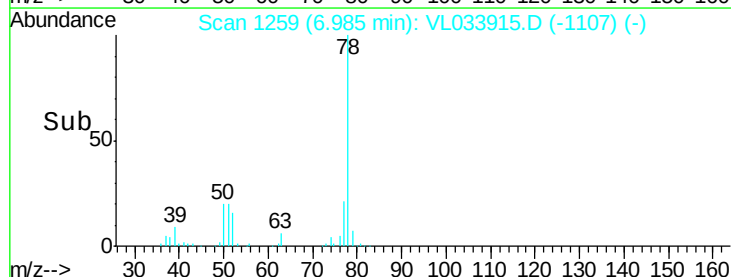
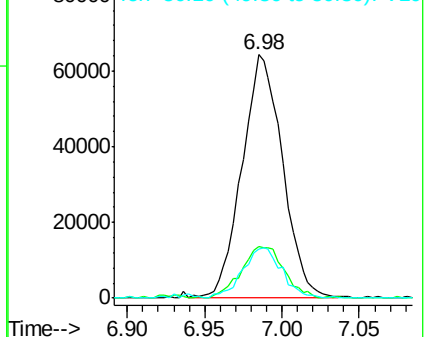
50 20.0 15.9 23.9

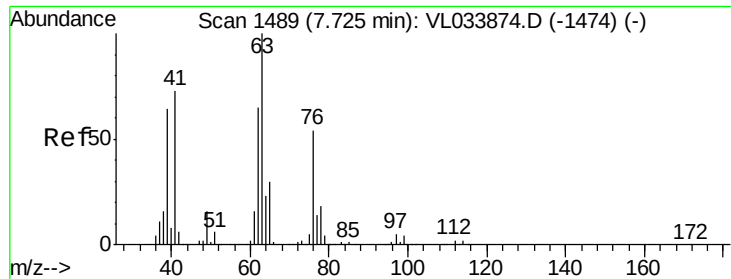


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

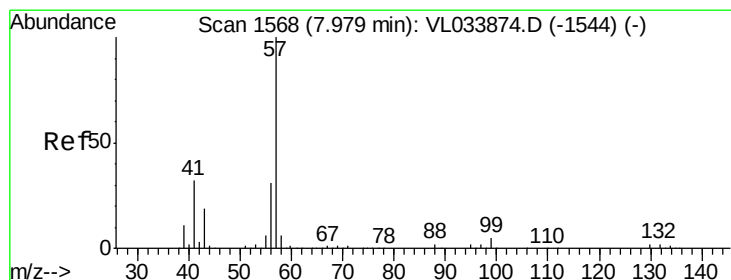
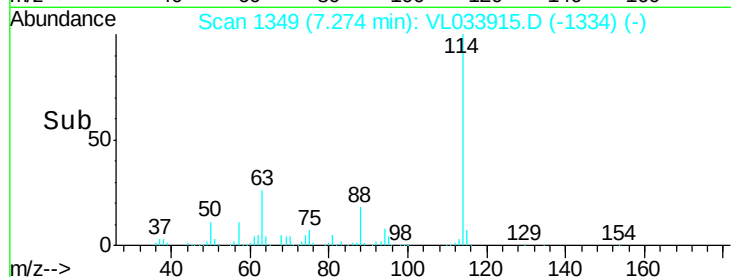
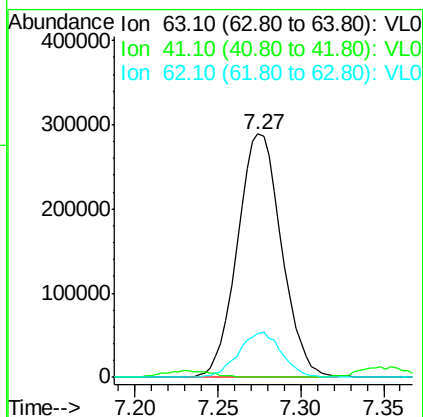
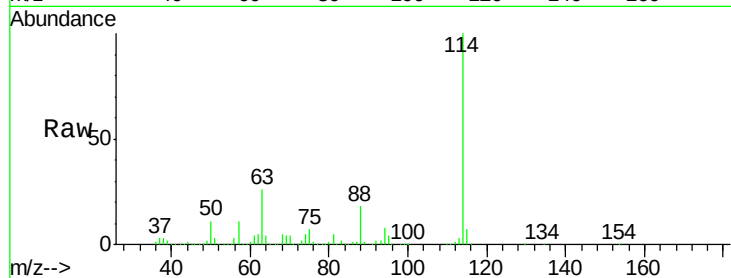




#39
 1,2-Dichloropropane
 Concen: 8.853 ppbv
 RT: 7.27 min Scan# 1349
 Delta R.T. -0.45 min
 Lab File: VL033915.D
 Acq: 14 Jun 2019 2:50

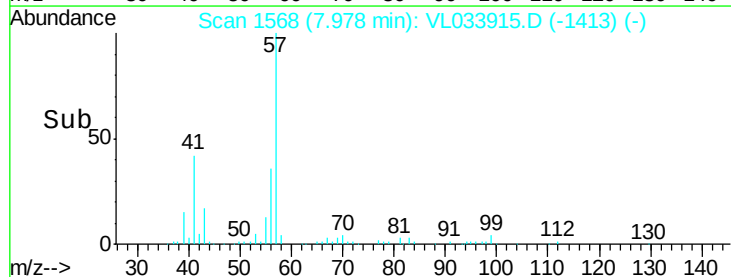
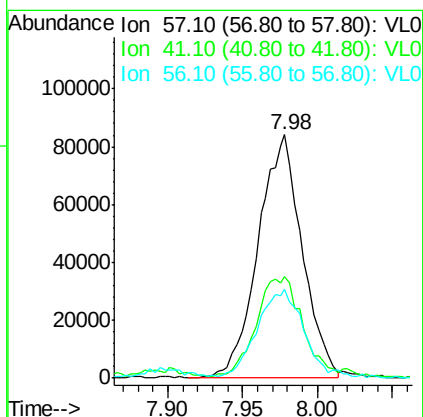
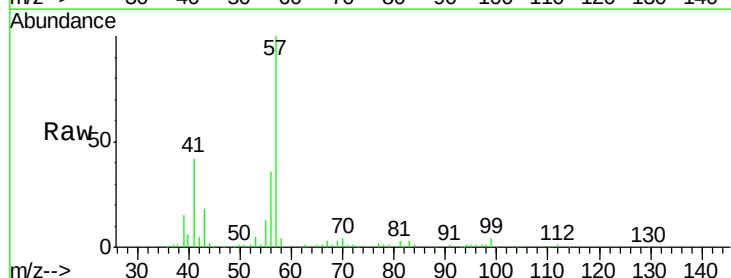
Instrument :
 MSVOA_L
 ClientSampleId :

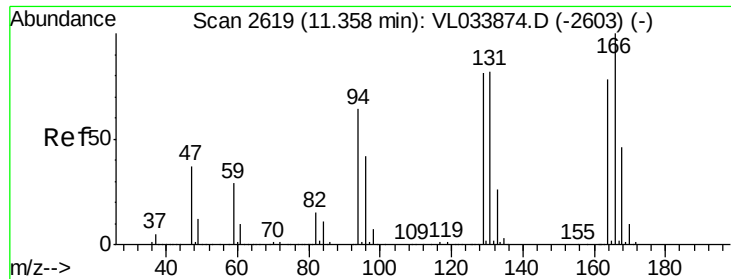
Tot Ion: 63 Resp: 533426
 Ion Ratio Lower Upper
 63 100
 41 0.0 58.7 88.1#
 62 18.0 51.9 77.9#



#44
 2,2,4-Trimethylpentane
 Concen: 0.616 ppbv
 RT: 7.98 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VL033915.D
 Acq: 14 Jun 2019 2:50

Tgt Ion: 57 Resp: 171012
 Ion Ratio Lower Upper
 57 100
 41 45.8 26.1 39.1#
 56 39.5 24.6 36.8#

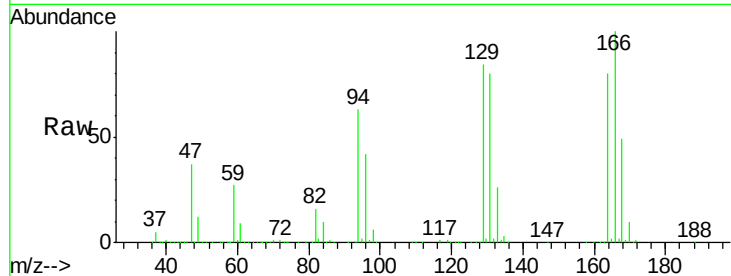




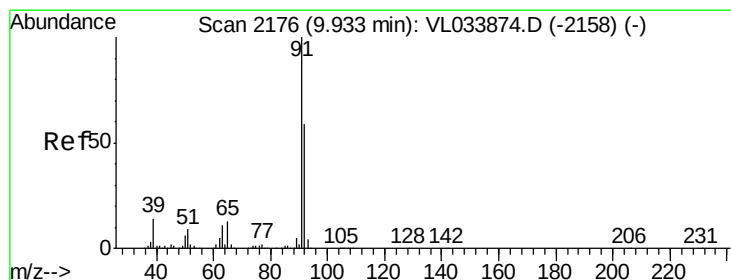
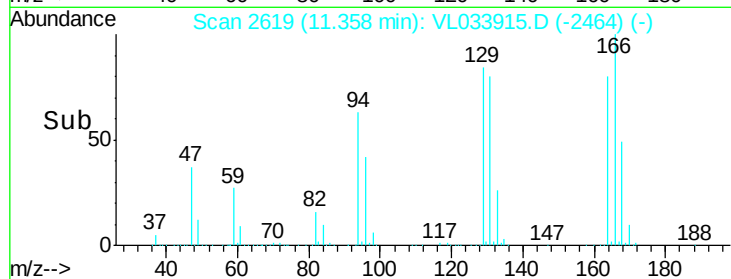
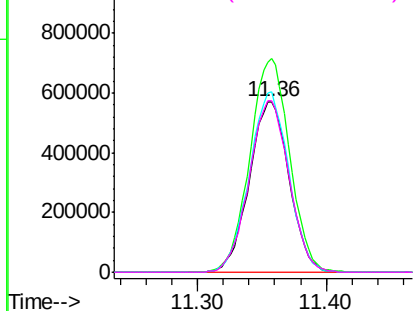
#52
Tetrachloroethene
Concen: 22.307 ppbv
RT: 11.36 min Scan# 2619
Delta R.T. -0.00 min
Lab File: VL033915.D
Acq: 14 Jun 2019 2:50

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:164 Resp: 1225431
Ion Ratio Lower Upper
164 100
166 125.1 103.1 154.7
129 105.4 83.9 125.9
131 100.7 85.1 127.7

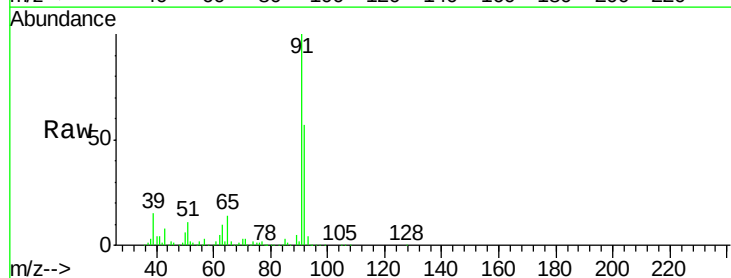


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V

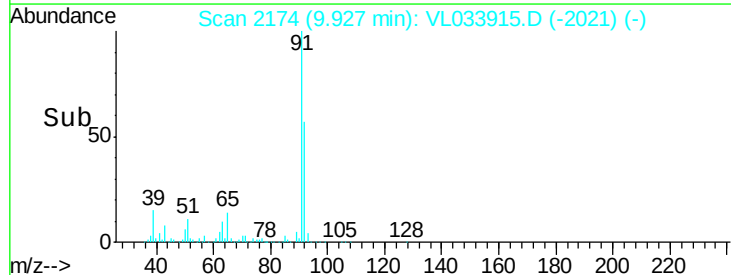
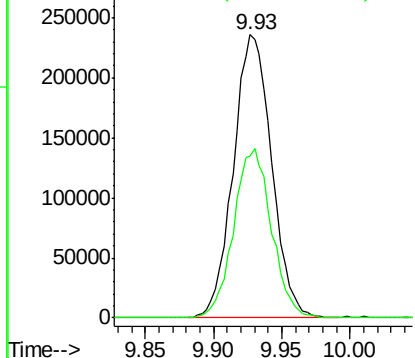


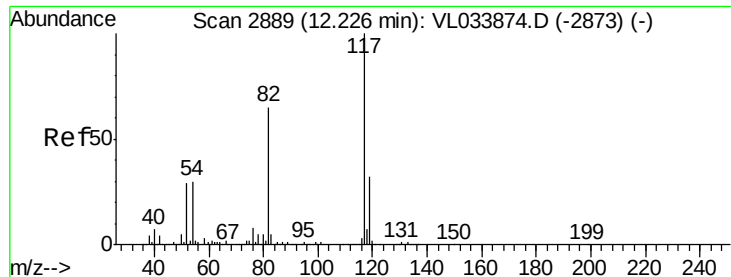
#53
Toluene
Concen: 2.648 ppbv
RT: 9.93 min Scan# 2174
Delta R.T. -0.01 min
Lab File: VL033915.D
Acq: 14 Jun 2019 2:50

Tgt Ion: 91 Resp: 457523
Ion Ratio Lower Upper
91 100
92 59.4 47.0 70.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0

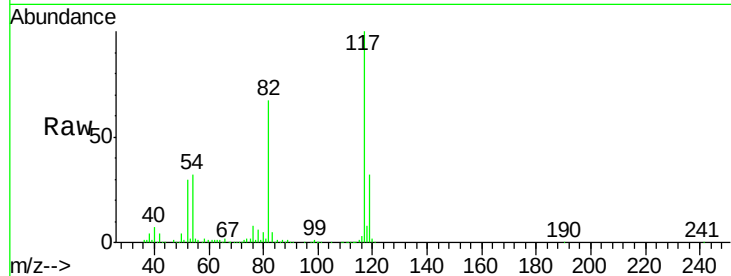




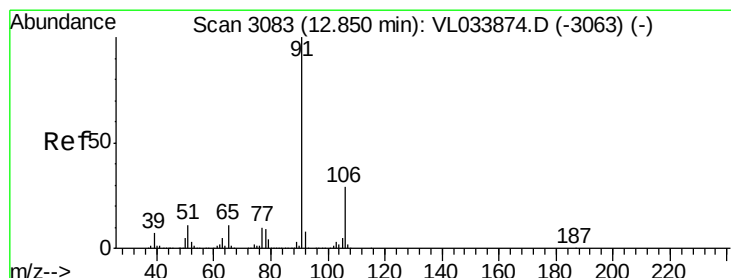
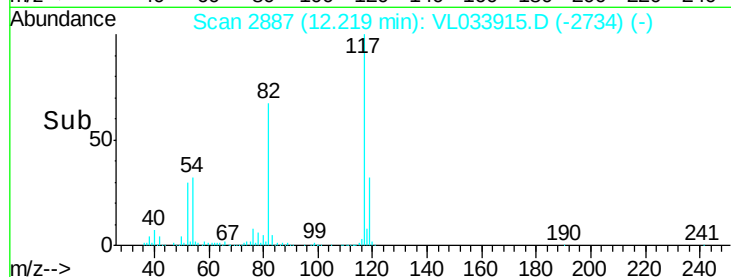
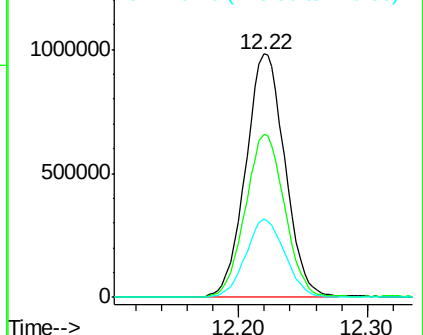
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.22 min Scan# 2887
Delta R.T. -0.01 min
Lab File: VL033915.D
Acq: 14 Jun 2019 2:50

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2081321
Ion Ratio Lower Upper
117 100
82 67.2 50.2 75.2
119 32.2 24.8 37.2

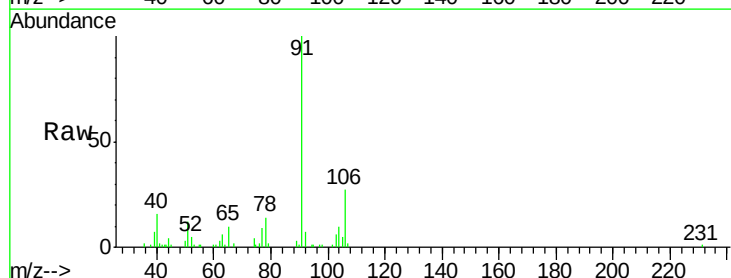


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

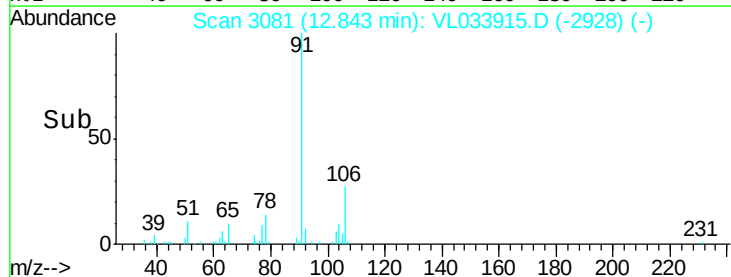
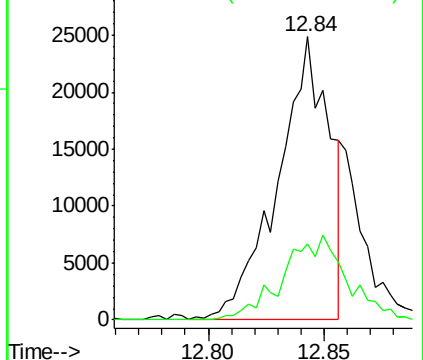


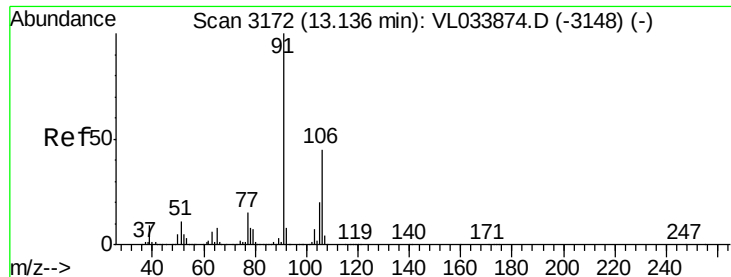
#58
Ethyl Benzene
Concen: 0.164 ppbv
RT: 12.84 min Scan# 3081
Delta R.T. -0.01 min
Lab File: VL033915.D
Acq: 14 Jun 2019 2:50

Tgt Ion: 91 Resp: 38560
Ion Ratio Lower Upper
91 100
106 26.8 23.0 34.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

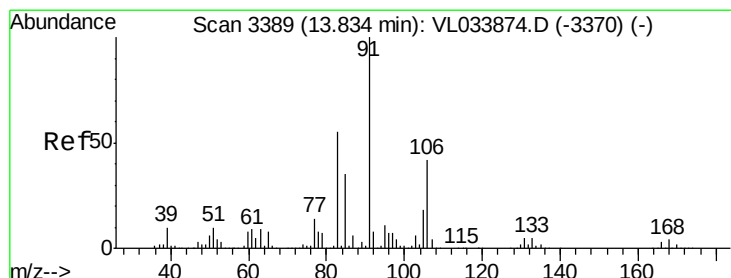
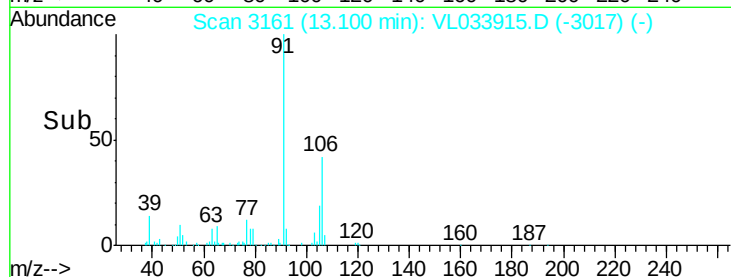
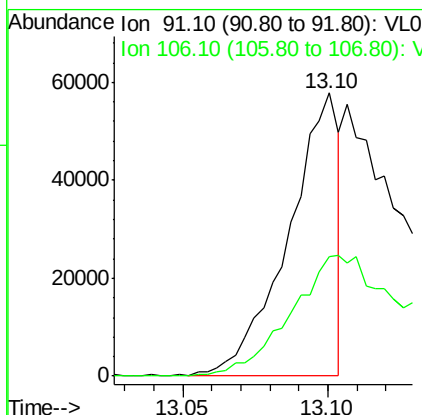
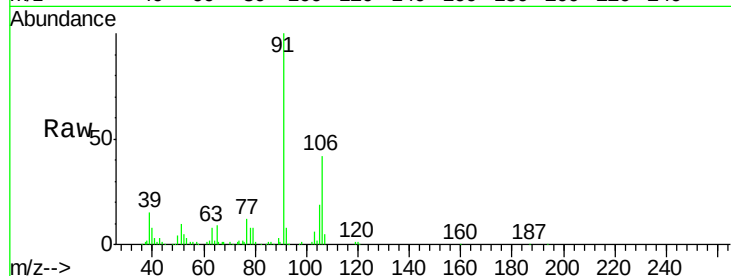




#59
m/p-Xylene
Concen: 0.325 ppbv
RT: 13.10 min Scan# 3161
Delta R.T. -0.04 min
Lab File: VL033915.D
Acq: 14 Jun 2019 2:50

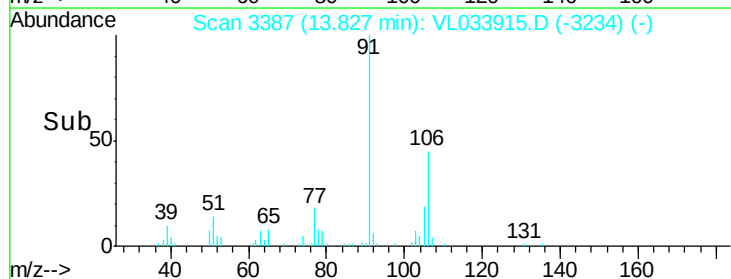
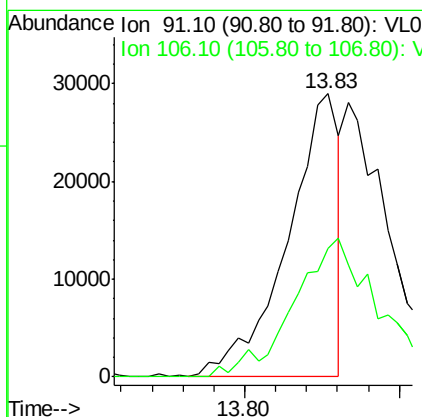
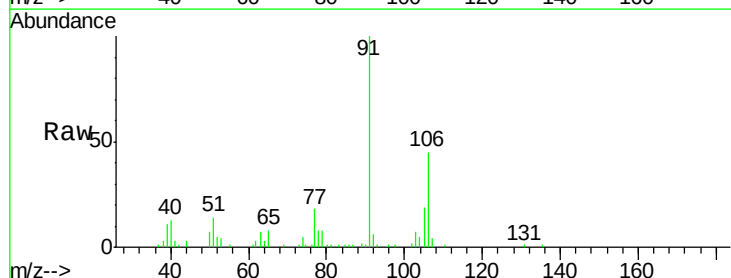
Instrument :
MSVOA_L
ClientSampleId :

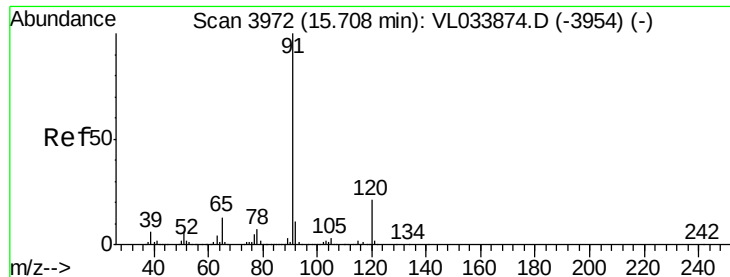
Tot Ion: 91 Resp: 69380
Ion Ratio Lower Upper
91 100
106 104.9 35.8 53.8#



#60
o-Xylene
Concen: 0.151 ppbv
RT: 13.83 min Scan# 3387
Delta R.T. -0.01 min
Lab File: VL033915.D
Acq: 14 Jun 2019 2:50

Tgt Ion: 91 Resp: 33322
Ion Ratio Lower Upper
91 100
106 0.0 21.7 65.1#

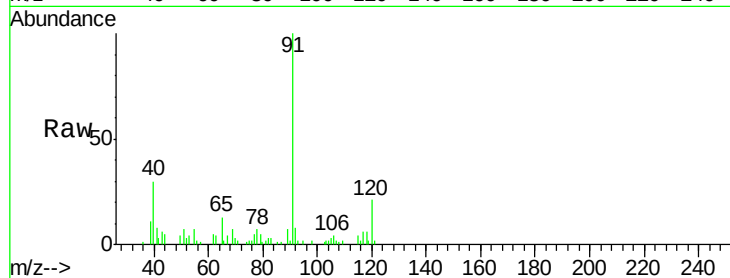




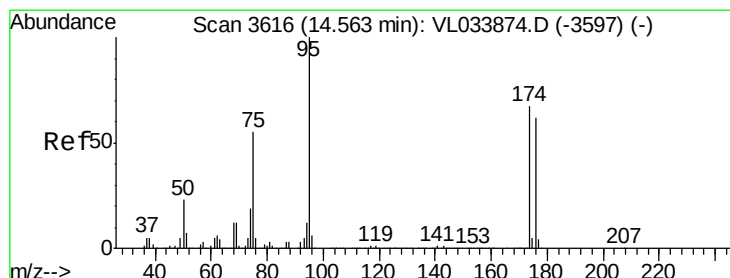
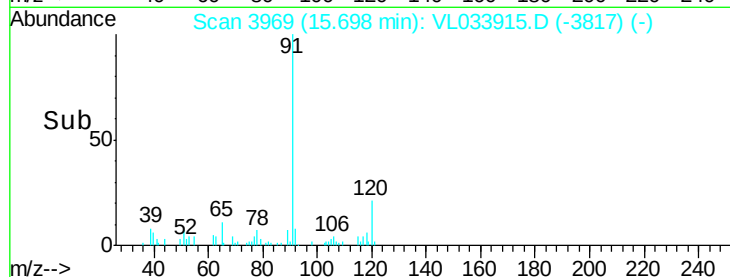
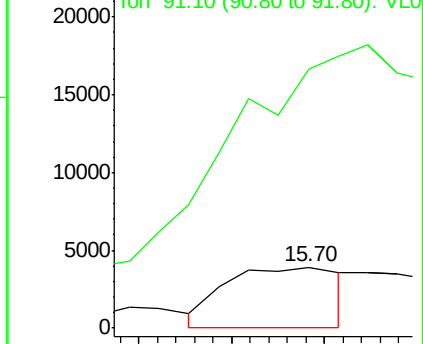
#64
n-propylbenzene
Concen: 0.045 ppbv
RT: 15.70 min Scan# 3969
Delta R.T. -0.01 min
Lab File: VL033915.D
Acq: 14 Jun 2019 2:50

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:120 Resp: 3389
Ion Ratio Lower Upper
120 100
91 0.0 387.0 580.6#

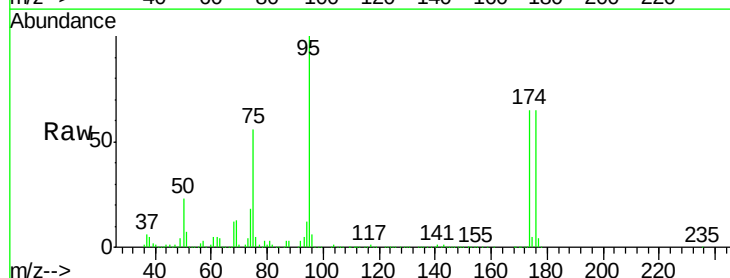


Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0

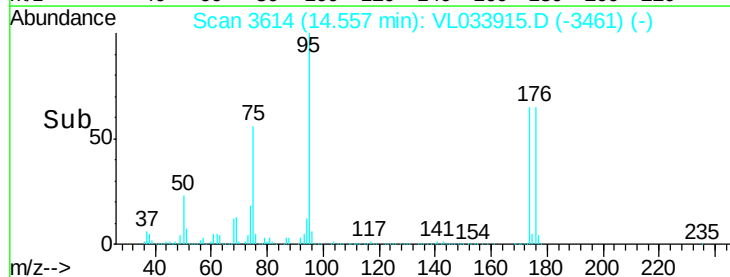
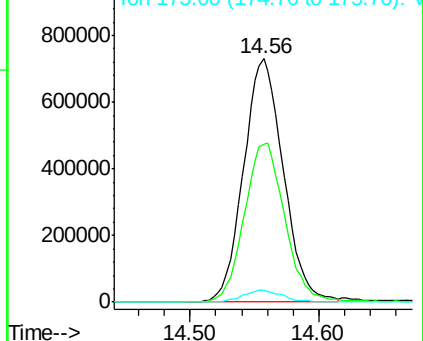


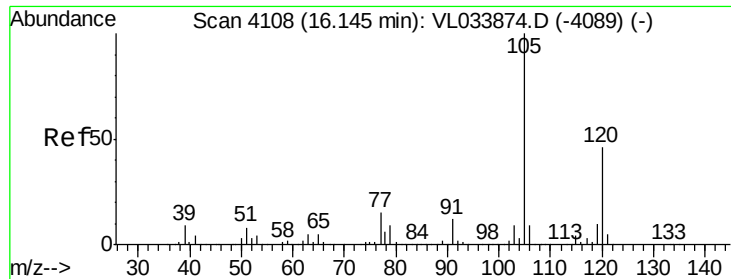
#68
1-Bromo-4-Fluorobenzene
Concen: 9.179 ppbv
RT: 14.56 min Scan# 3614
Delta R.T. -0.01 min
Lab File: VL033915.D
Acq: 14 Jun 2019 2:50

Tgt Ion: 95 Resp: 1569257
Ion Ratio Lower Upper
95 100
174 66.8 54.0 81.0
175 4.8 3.8 5.8



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





#73

1,3,5-Trimethylbenzene

Concen: 0.086 ppbv

RT: 16.13 min Scan# 4104

Delta R.T. -0.01 min

Lab File: VL033915.D

Acq: 14 Jun 2019 2:50

Instrument :

MSVOA_L

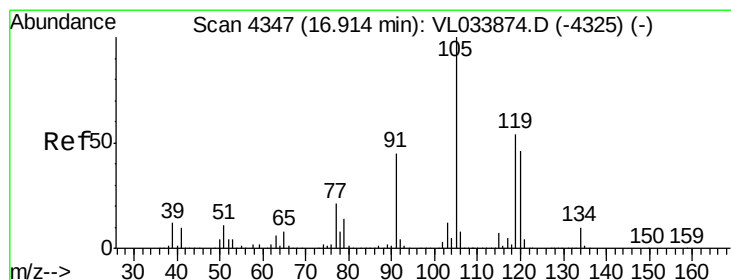
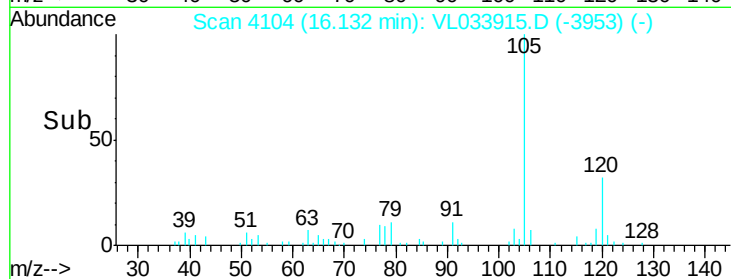
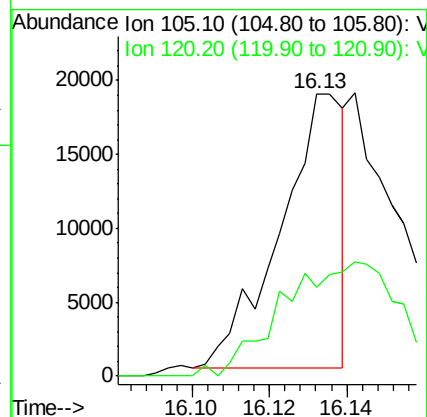
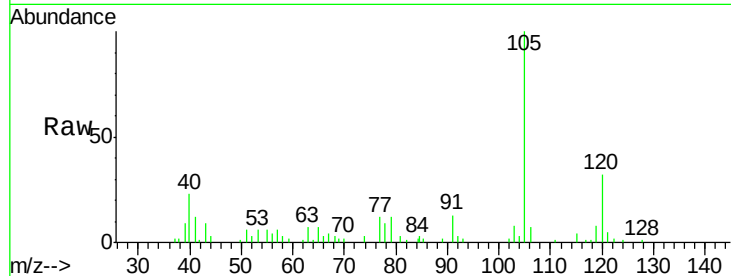
ClientSampled :

Tot Ion:105 Resp: 21225

Ion Ratio Lower Upper

105 100

120 32.5 37.1 55.7#



#74

1,2,4-Trimethylbenzene

Concen: 0.492 ppbv

RT: 16.90 min Scan# 4344

Delta R.T. -0.01 min

Lab File: VL033915.D

Acq: 14 Jun 2019 2:50

Tgt Ion:105 Resp: 140136

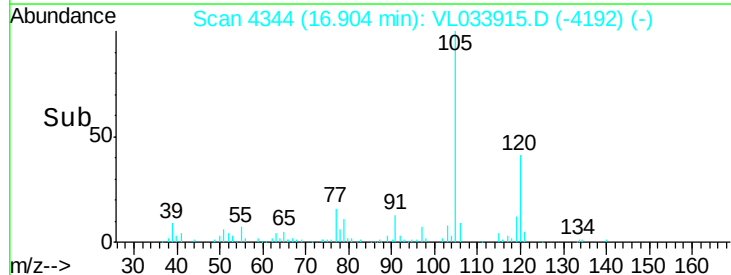
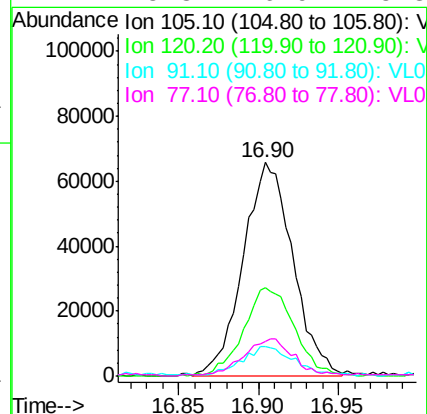
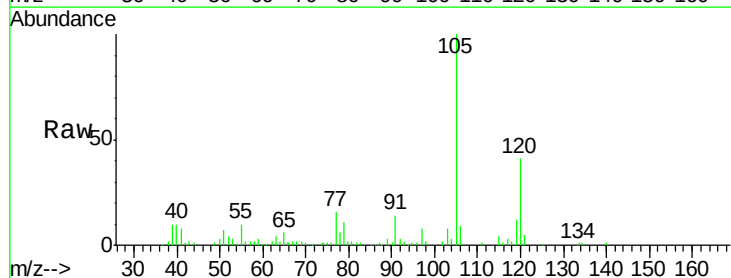
Ion Ratio Lower Upper

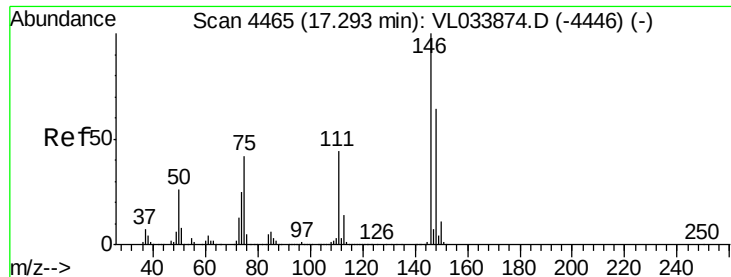
105 100

120 40.7 36.7 55.1

91 12.6 35.8 53.8#

77 15.8 16.9 25.3#





#76

1,4-Dichlorobenzene

Concen: 0.034 ppbv

RT: 17.29 min Scan# 4464

Delta R.T. -0.00 min

Lab File: VL033915.D

Acq: 14 Jun 2019 2:50

Instrument :

MSVOA_L

ClientSampleId :

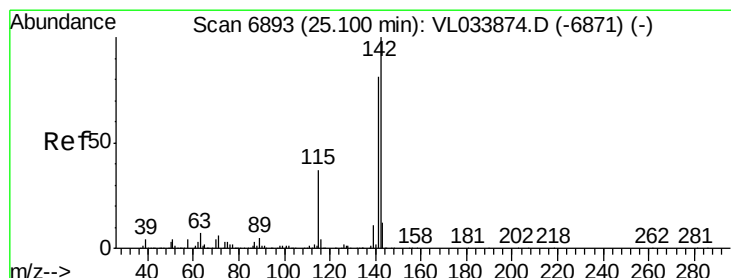
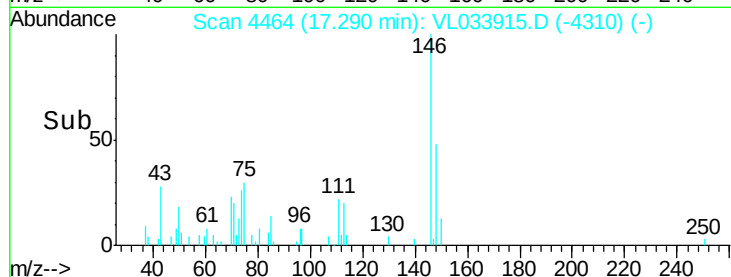
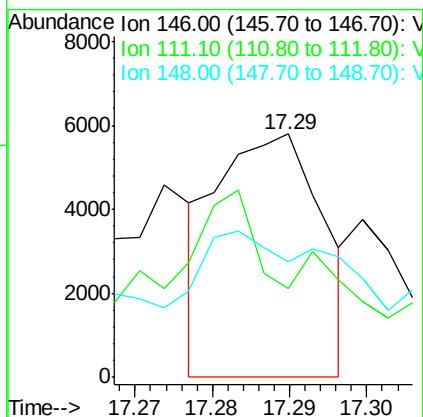
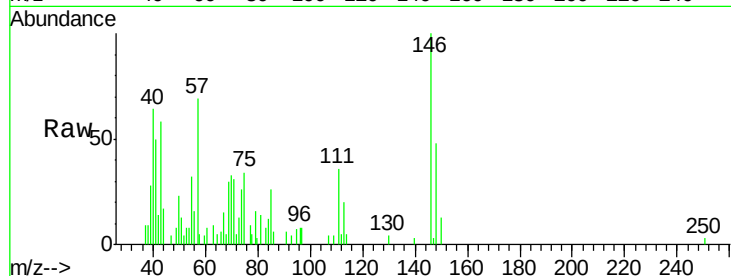
Tot Ion:146 Resp: 5492

Ion Ratio Lower Upper

146 100

111 166.8 22.1 66.5#

148 135.1 32.4 97.0#



#80

Naphthalene, 2-methyl-

Concen: 0.047 ppbv

RT: 25.10 min Scan# 6894

Delta R.T. 0.00 min

Lab File: VL033915.D

Acq: 14 Jun 2019 2:50

Tgt Ion:142 Resp: 4309

Ion Ratio Lower Upper

142 100

141 84.1 65.7 98.5

115 19.2 28.9 43.3#

