

Data File : VL033743.D
Acq On : 22 May 2019 14:08
Operator : SY/AP
Sample : K2926-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515

Quant Time: May 23 04:20:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	846678	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1956586	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	2145428	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1695997	9.75	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

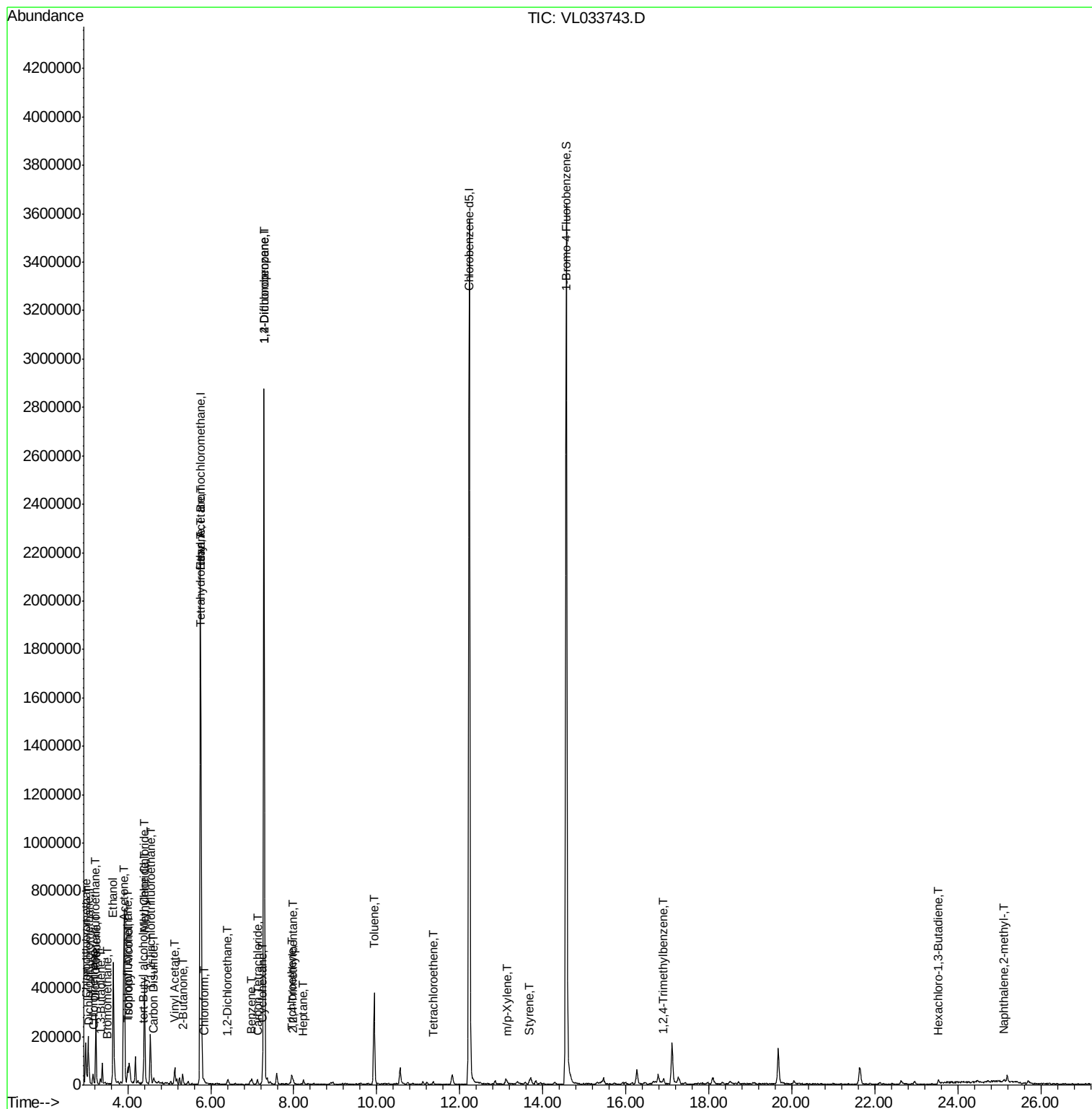
Target Compounds	Qvalue					
2) Dichlorodifluoromethane	3.07	85	34248	0.192	ppbv	98
3) Chlorodifluoromethane	2.99	51	116787	1.204	ppbv #	70
4) Chloromethane	3.17	50	30147	0.543	ppbv	92
6) Bromomethane	3.51	94	714	0.021	ppbv	99
8) Dichlorotetrafluoroethane	3.21	85	1832	0.013	ppbv #	59
9) Propene	3.23	41	60214	1.460	ppbv	93
10) Heptane	8.22	43	1263	0.011	ppbv #	26
11) Trichlorofluoromethane	4.00	101	42202	0.248	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.54	101	67919	0.571	ppbv	100
13) Ethanol	3.65	45	529629	39.723	ppbv	98
15) Acetone	3.90	43	572280	4.872	ppbv #	87
16) 1,3-Butadiene	3.35	39	1052	0.022	ppbv #	72
17) tert-Butyl alcohol	4.37	59	4546	0.048	ppbv #	72
19) Isopropyl Alcohol	4.03	45	92645	1.223	ppbv #	86
20) Methylene Chloride	4.40	84	156483	3.460	ppbv	96
21) Allyl Chloride	4.41	41	2676	0.037	ppbv #	38
23) Vinyl Acetate	5.13	43	15160	0.098	ppbv #	1
25) Ethyl Acetate	5.77	43	203802	0.988	ppbv #	83
26) Hexane	5.77	57	244270	2.753	ppbv #	42
27) Carbon Disulfide	4.61	76	2652	0.022	ppbv #	1
29) Chloroform	5.84	83	3810	0.023	ppbv	98
30) Cyclohexane	7.24	84	1443	0.019	ppbv #	1
34) 2-Butanone	5.33	43	42749	0.352	ppbv	95
35) Carbon Tetrachloride	7.12	117	9005	0.057	ppbv #	54
36) Benzene	6.99	78	4119	0.023	ppbv #	55
37) 1,2-Dichloroethane	6.39	62	4701	0.041	ppbv #	83
38) Trichloroethene	7.95	130	6789	0.103	ppbv #	80
39) 1,2-Dichloropropane	7.28	63	519017	7.822	ppbv #	23
41) Tetrahydrofuran	5.77	42	101801	1.498	ppbv #	49
44) 2,2,4-Trimethylpentane	7.98	57	7012	0.023	ppbv #	1
52) Tetrachloroethene	11.35	164	716	0.011	ppbv #	26
53) Toluene	9.93	91	126501	0.659	ppbv #	21
59) m/p-Xylene	13.14	91	5346	0.022	ppbv #	31
61) Styrene	13.67	104	1780	0.011	ppbv #	27
74) 1,2,4-Trimethylbenzene	16.90	105	3422	0.011	ppbv #	53
78) Hexachloro-1,3-Butadiene	23.52	225	1427	0.011	ppbv #	19
80) Naphthalene,2-methyl-	25.11	142	4721	0.044	ppbv	92

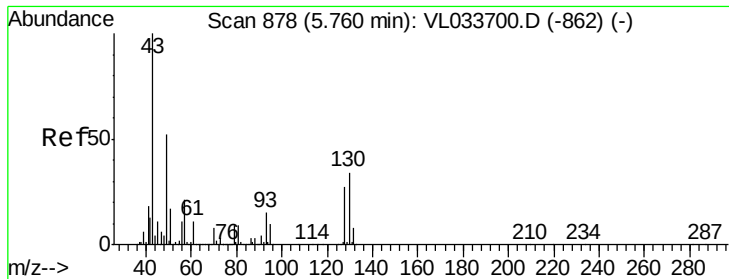
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 875

Delta R.T. -0.01 min

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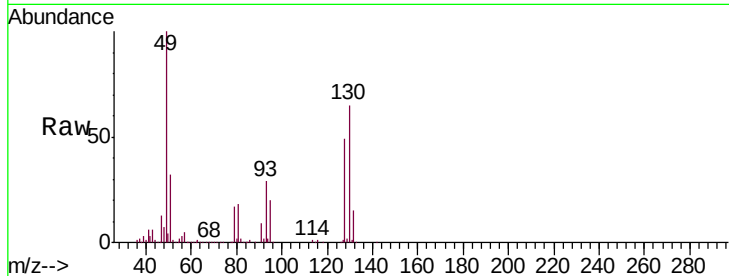
Tgt Ion: 49 Resp: 846678

Ion Ratio Lower Upper

49 100

128 50.2 25.2 75.6

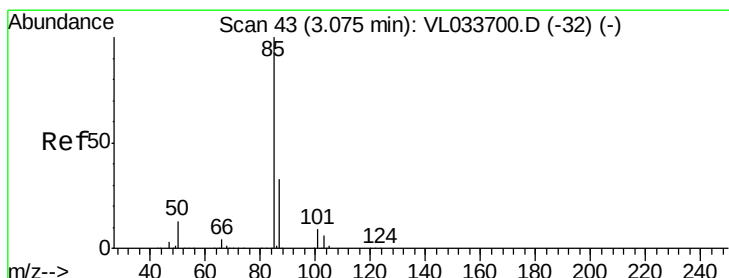
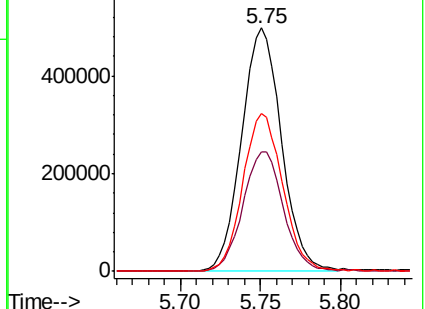
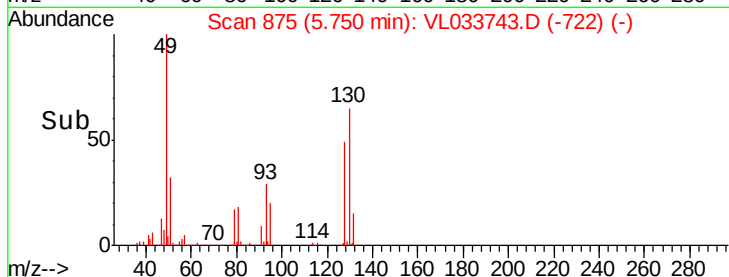
130 65.6 32.5 97.5



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: 0.192 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033743.D

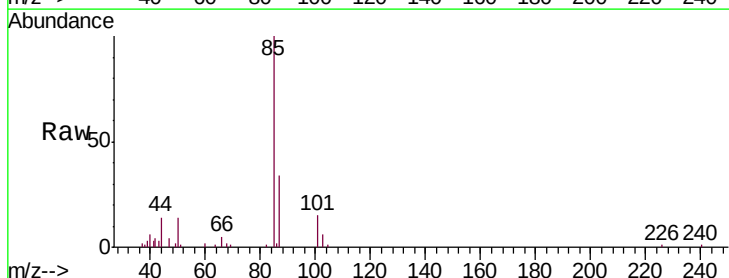
Acq: 22 May 2019 14:08

Tgt Ion: 85 Resp: 34248

Ion Ratio Lower Upper

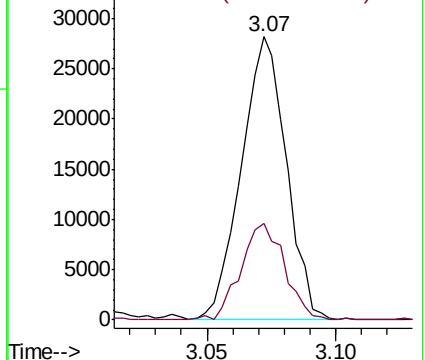
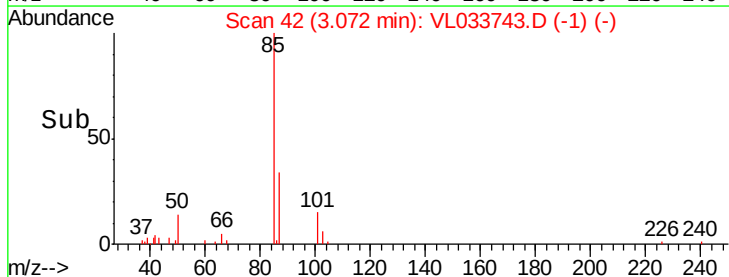
85 100

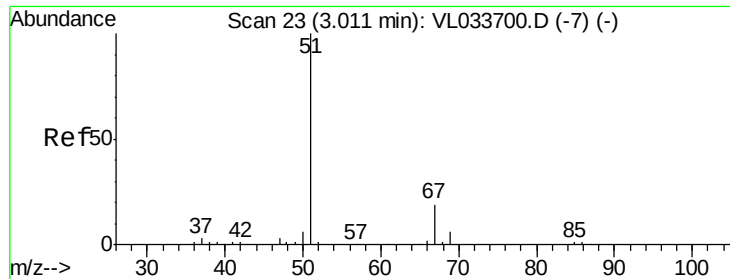
87 34.0 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

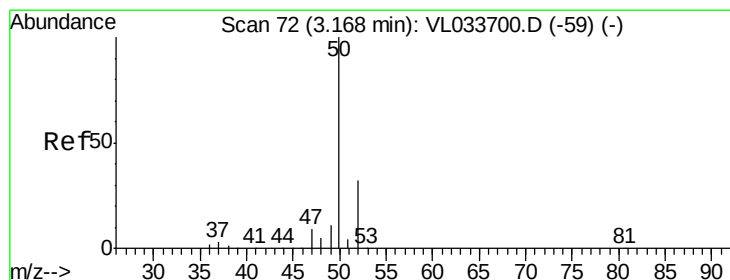
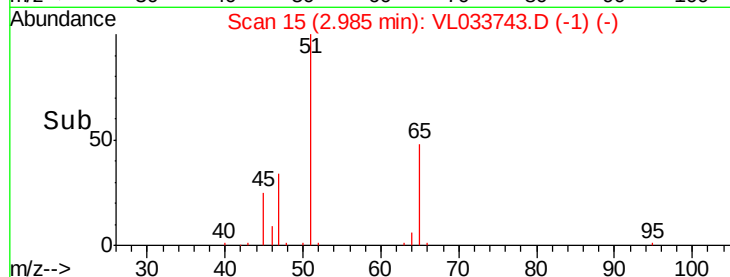
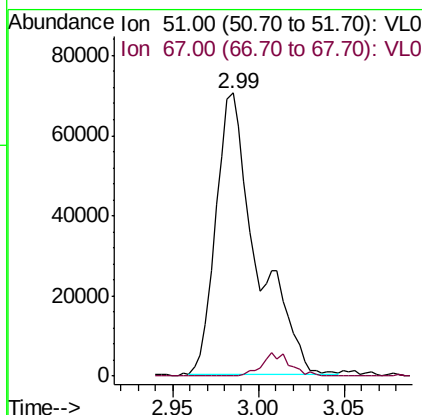
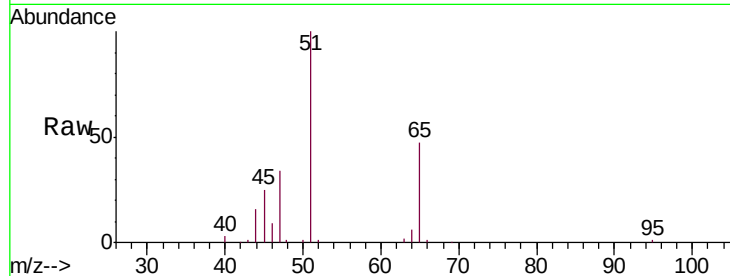




#3
 Chlorodifluoromethane
 Concen: 1.204 ppbv
 RT: 2.99 min Scan# 15
 Delta R.T. -0.03 min
 Lab File: VL033743.D
 Acq: 22 May 2019 14:08

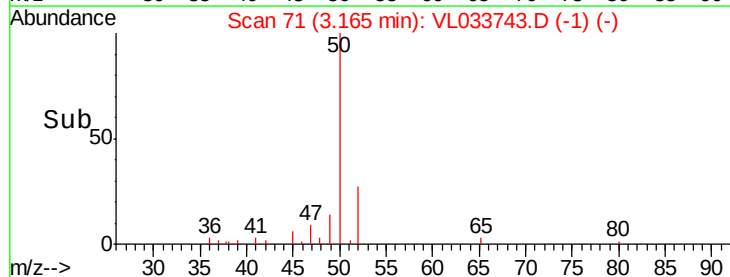
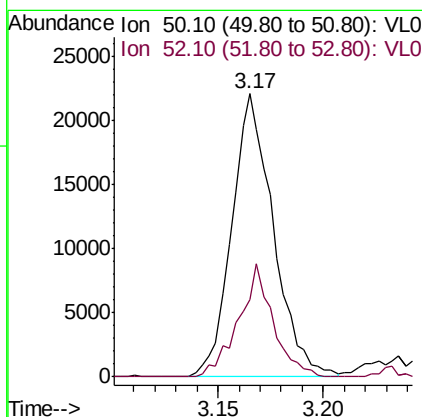
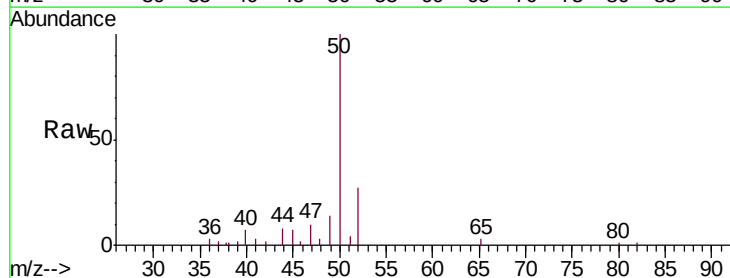
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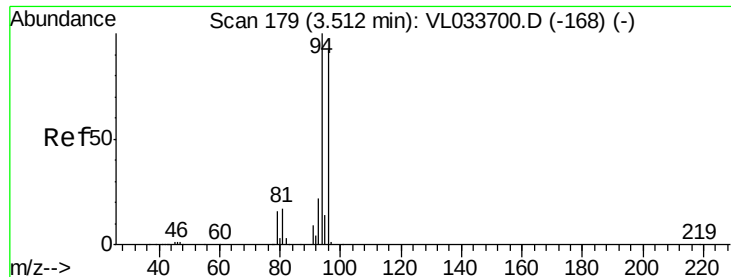
Tgt Ion: 51 Resp: 116787
 Ion Ratio Lower Upper
 51 100
 67 5.6 15.6 23.4#



#4
 Chloromethane
 Concen: 0.543 ppbv
 RT: 3.17 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VL033743.D
 Acq: 22 May 2019 14:08

Tgt Ion: 50 Resp: 30147
 Ion Ratio Lower Upper
 50 100
 52 27.5 25.7 38.5





#6

Bromomethane

Concen: 0.021 ppbv

RT: 3.51 min Scan# 177

Delta R.T. -0.01 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

Instrument :

MSVOA_L

ClientSampleId :

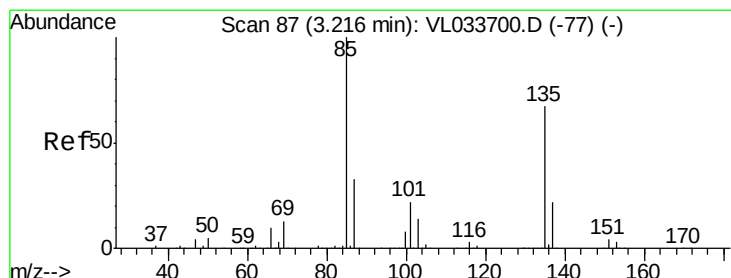
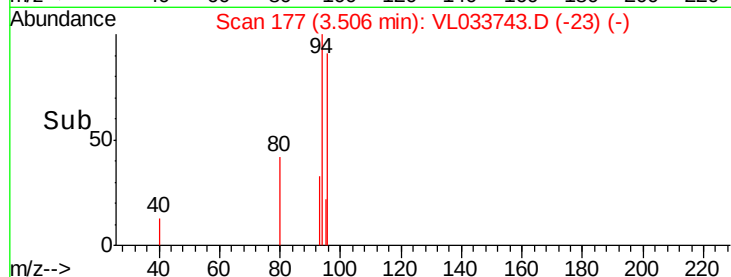
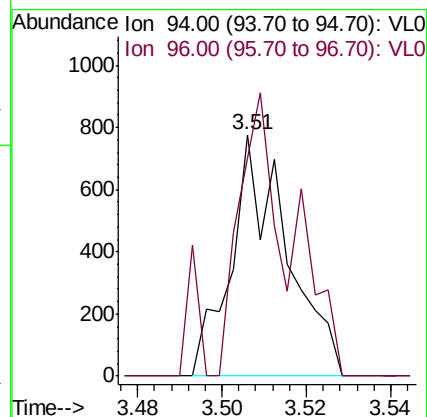
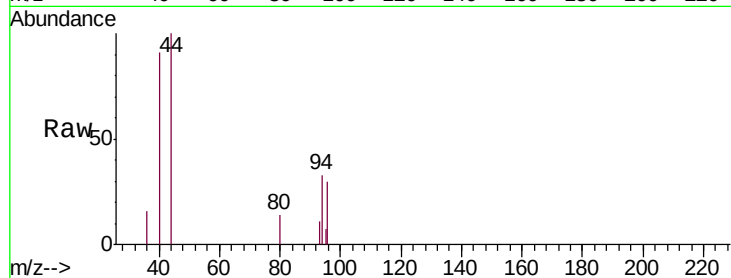
BP-VPB202-AIR-UW-20190515

Tgt Ion: 94 Resp: 714

Ion Ratio Lower Upper

94 100

96 90.7 73.6 110.4



#8

Dichlorotetrafluoroethane

Concen: 0.013 ppbv

RT: 3.21 min Scan# 86

Delta R.T. -0.00 min

Lab File: VL033743.D

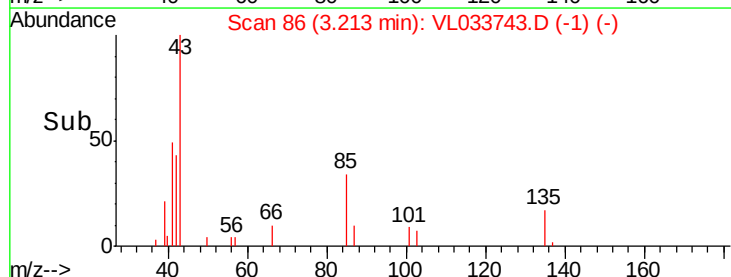
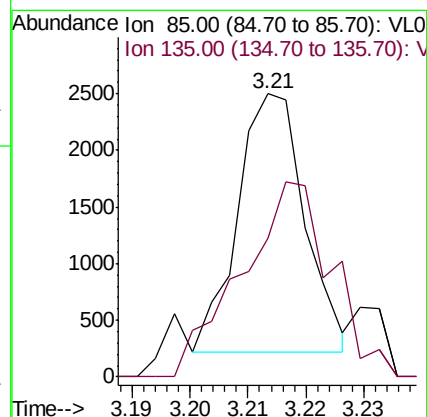
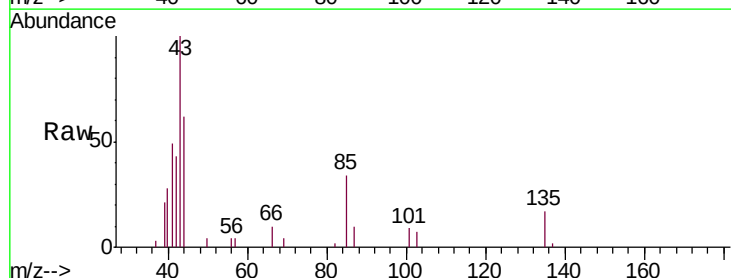
Acq: 22 May 2019 14:08

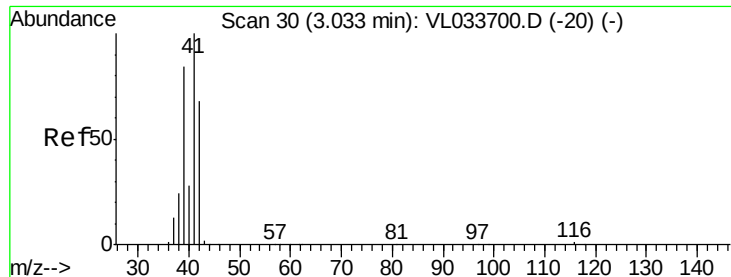
Tgt Ion: 85 Resp: 1832

Ion Ratio Lower Upper

85 100

135 101.4 54.5 81.7#





#9

Propene

Concen: 1.460 ppbv

RT: 3.23 min Scan# 92

Delta R.T. 0.20 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

Instrument :

MSVOA_L

ClientSampleId :

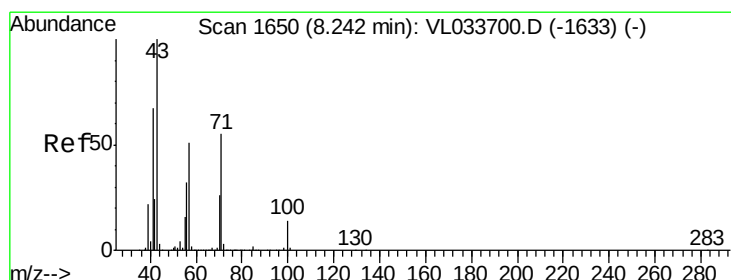
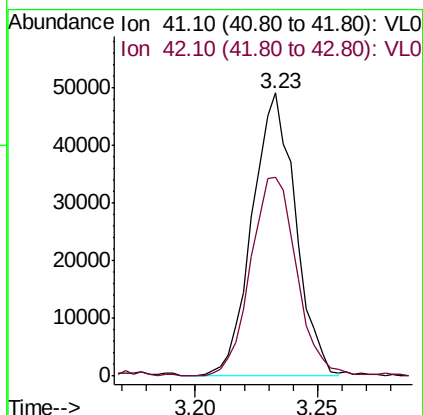
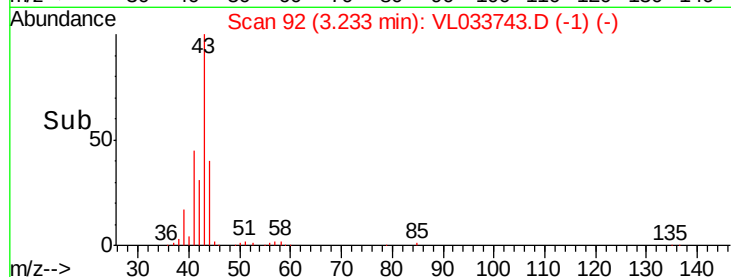
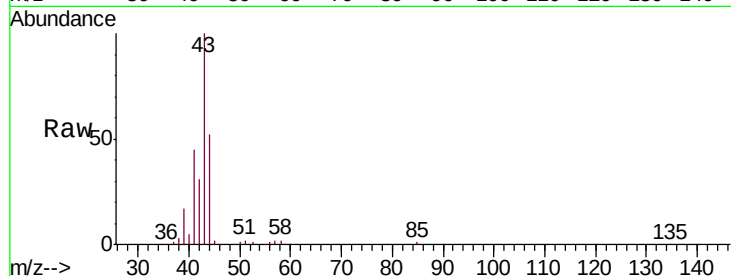
BP-VPB202-AIR-UW-20190515

Tgt Ion: 41 Resp: 60214

Ion Ratio Lower Upper

41 100

42 75.6 56.1 84.1



#10

Heptane

Concen: 0.011 ppbv

RT: 8.22 min Scan# 1643

Delta R.T. -0.02 min

Lab File: VL033743.D

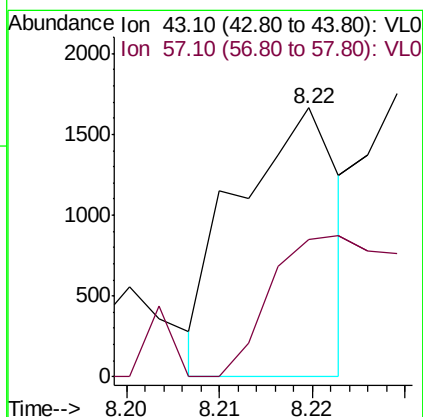
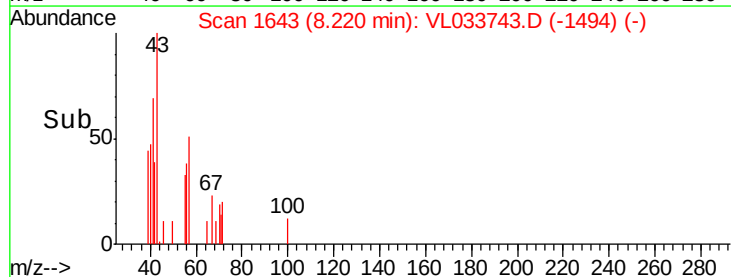
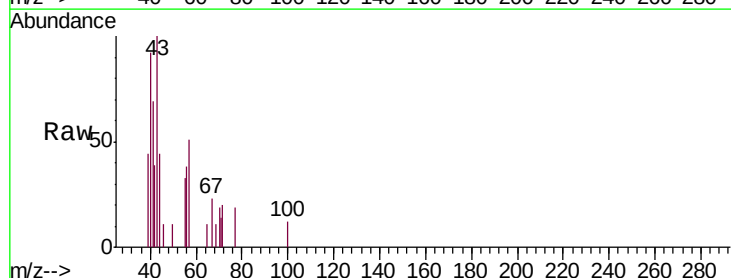
Acq: 22 May 2019 14:08

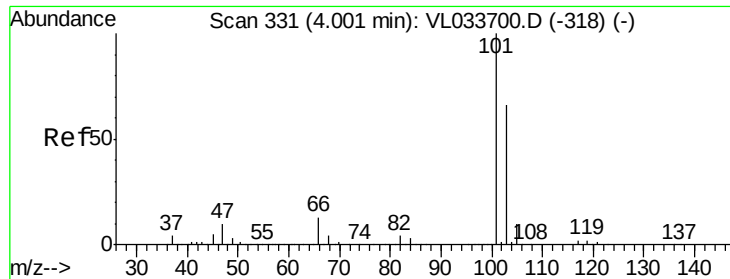
Tgt Ion: 43 Resp: 1263

Ion Ratio Lower Upper

43 100

57 0.0 41.4 62.0#

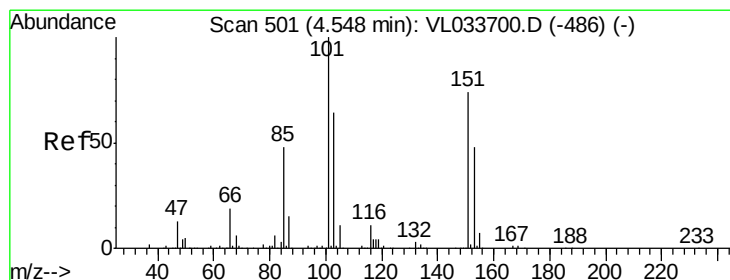
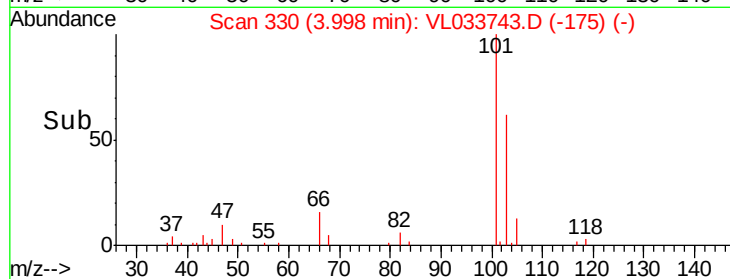
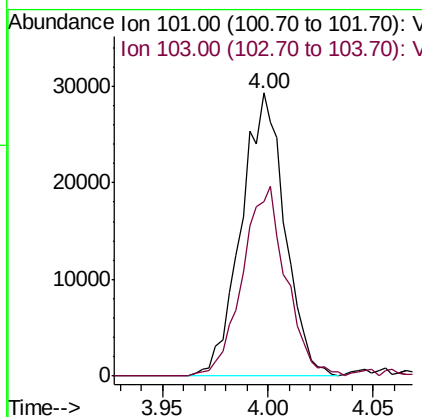
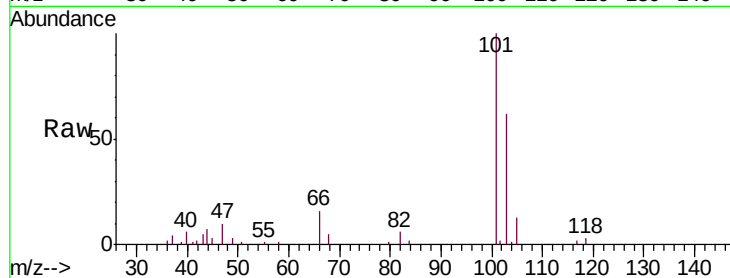




#11
 Trichlorofluoromethane
 Concen: 0.248 ppbv
 RT: 4.00 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VL033743.D
 Acq: 22 May 2019 14:08

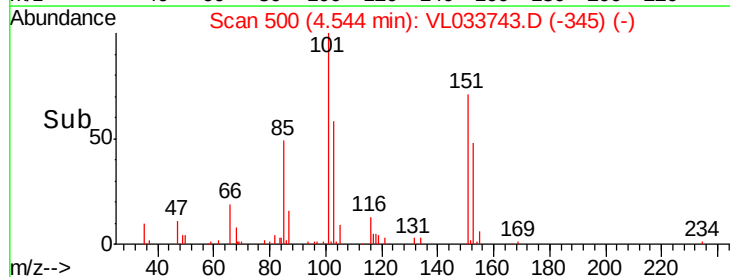
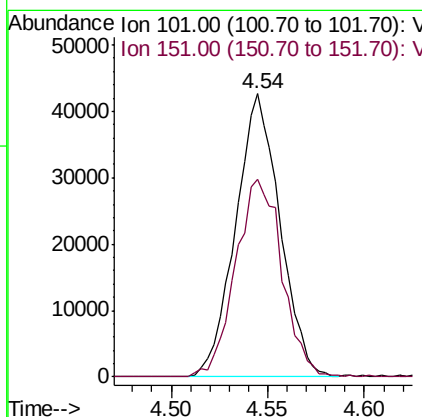
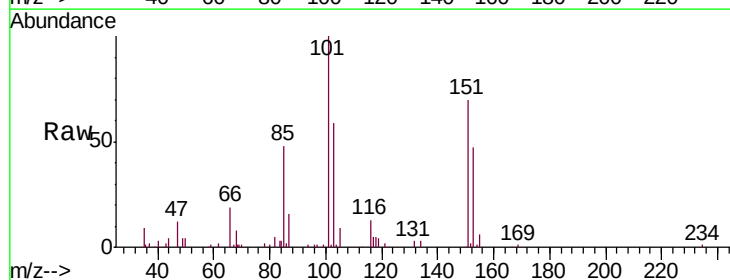
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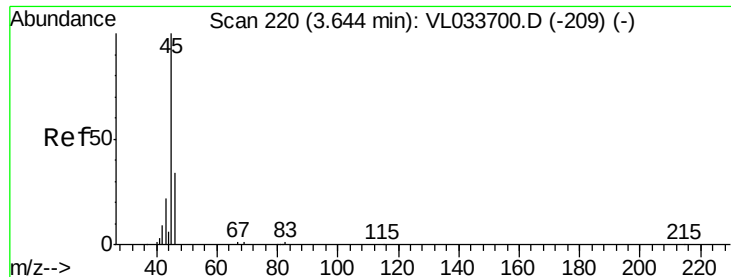
Tgt Ion:101 Resp: 42202
 Ion Ratio Lower Upper
 101 100
 103 60.5 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.571 ppbv
 RT: 4.54 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VL033743.D
 Acq: 22 May 2019 14:08

Tgt Ion:101 Resp: 67919
 Ion Ratio Lower Upper
 101 100
 151 72.9 58.2 87.4

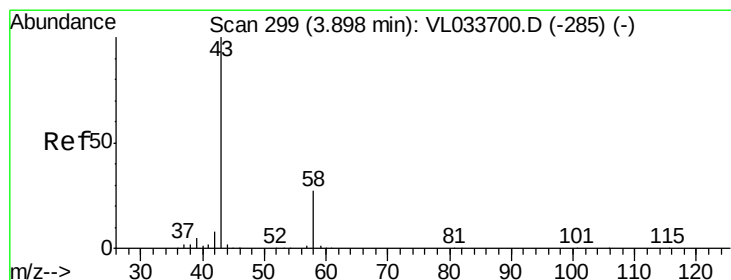
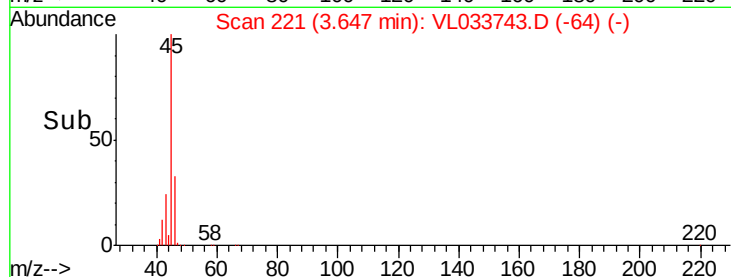
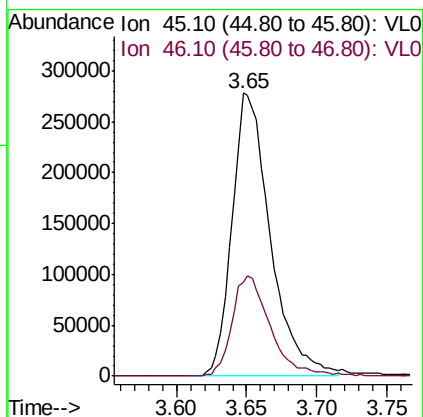
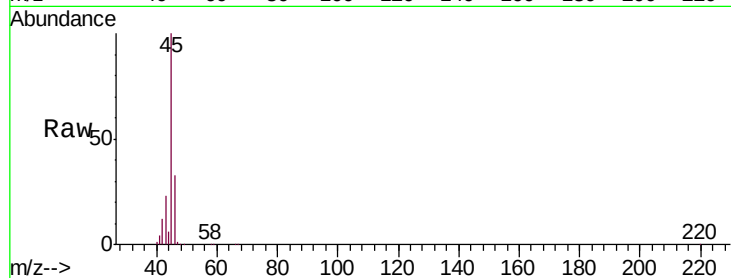




#13
Ethanol
Concen: 39.723 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.00 min
Lab File: VL033743.D
Acq: 22 May 2019 14:08

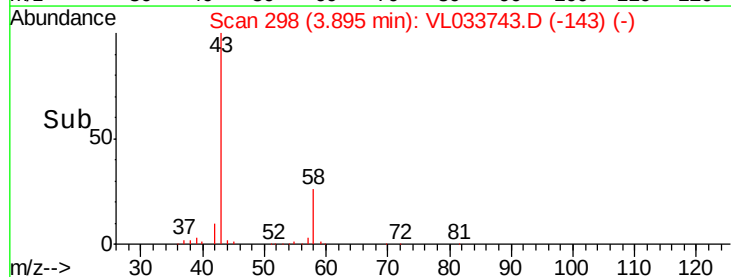
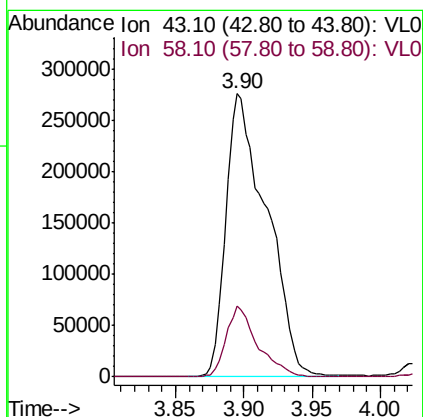
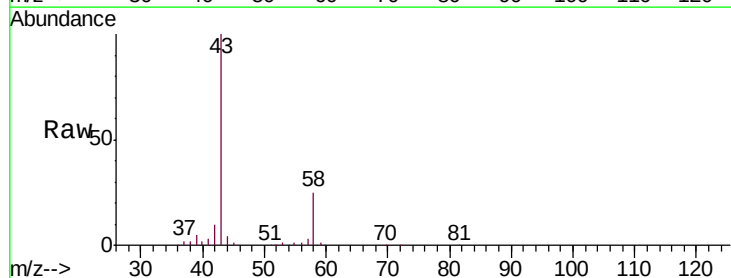
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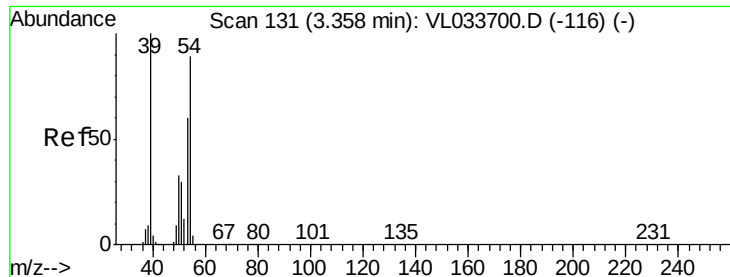
Tgt Ion: 45 Resp: 529629
Ion Ratio Lower Upper
45 100
46 35.6 14.8 59.0



#15
Acetone
Concen: 4.872 ppbv
RT: 3.90 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033743.D
Acq: 22 May 2019 14:08

Tgt Ion: 43 Resp: 572280
Ion Ratio Lower Upper
43 100
58 19.7 21.3 31.9#

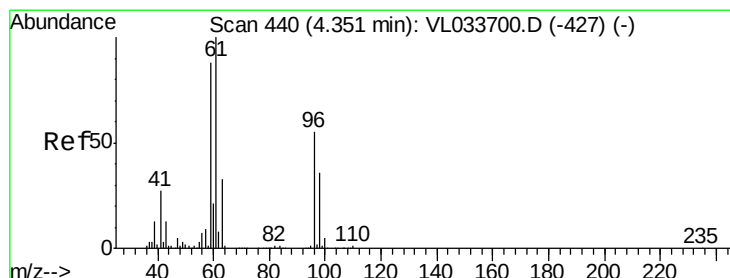
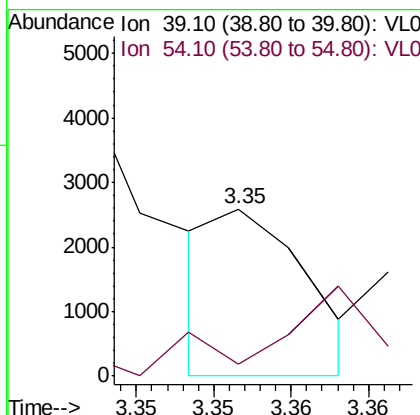
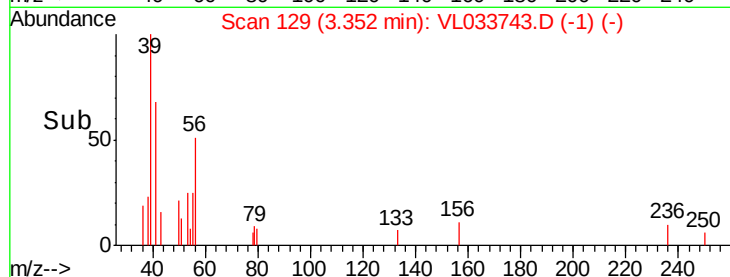
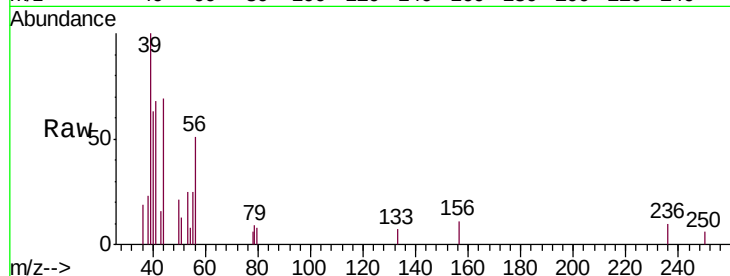




#16
 1,3-Butadiene
 Concen: 0.022 ppbv
 RT: 3.35 min Scan# 129
 Delta R.T. -0.01 min
 Lab File: VL033743.D
 Acq: 22 May 2019 14:08

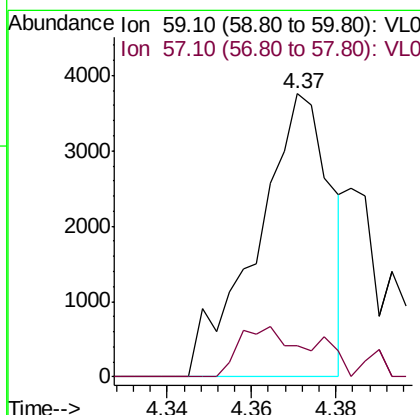
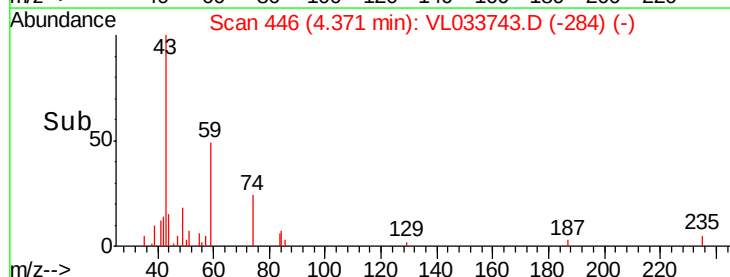
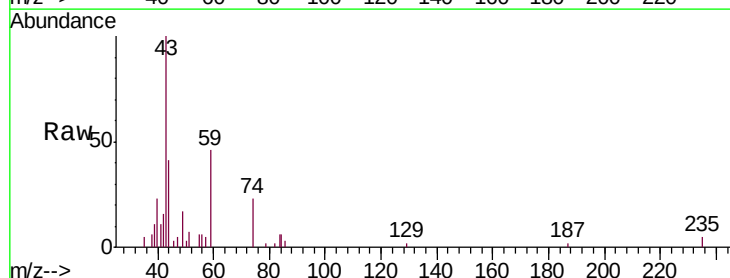
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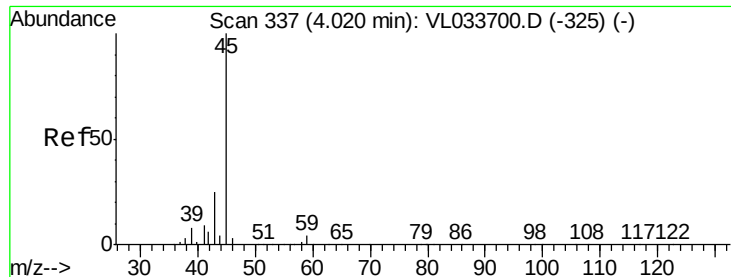
Tgt Ion: 39 Resp: 1052
 Ion Ratio Lower Upper
 39 100
 54 112.4 69.0 103.6#



#17
 tert-Butyl alcohol
 Concen: 0.048 ppbv
 RT: 4.37 min Scan# 446
 Delta R.T. 0.02 min
 Lab File: VL033743.D
 Acq: 22 May 2019 14:08

Tgt Ion: 59 Resp: 4546
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#





#19

Isopropyl Alcohol

Concen: 1.223 ppbv

RT: 4.03 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

Instrument :

MSVOA_L

ClientSampleId :

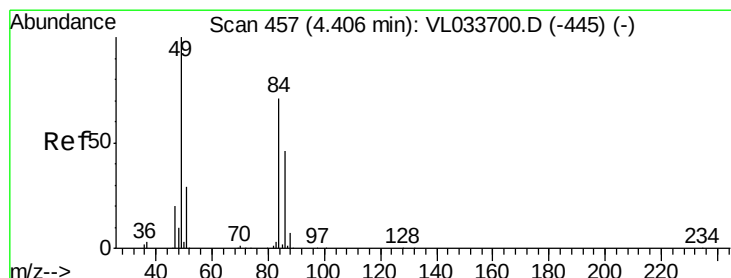
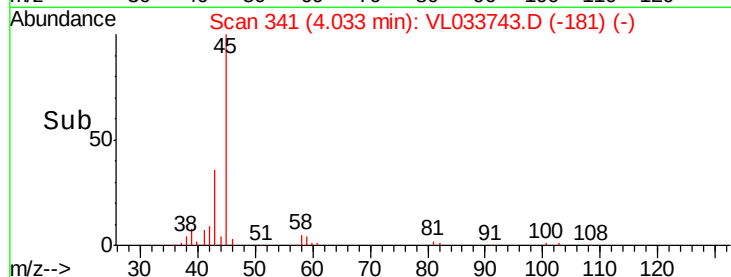
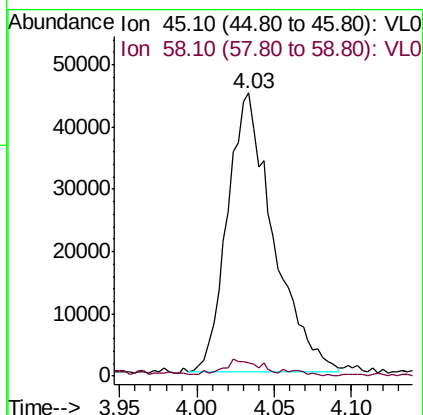
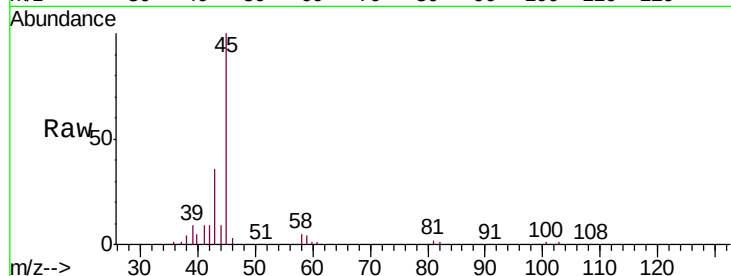
BP-VPB202-AIR-UW-20190515

Tgt Ion: 45 Resp: 92645

Ion Ratio Lower Upper

45 100

58 6.8 1.6 2.4#



#20

Methylene Chloride

Concen: 3.460 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

Tgt Ion: 84 Resp: 156483

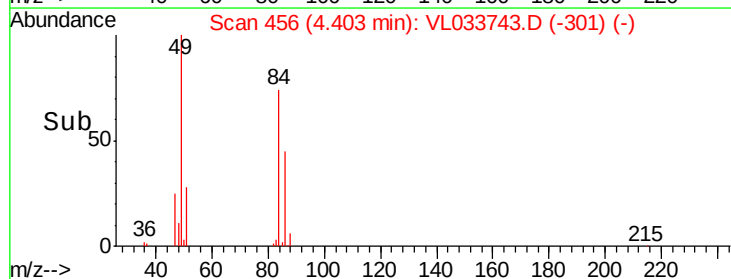
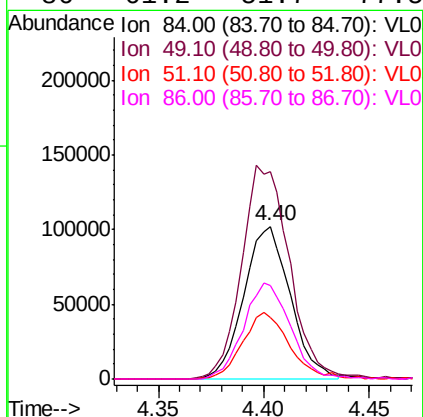
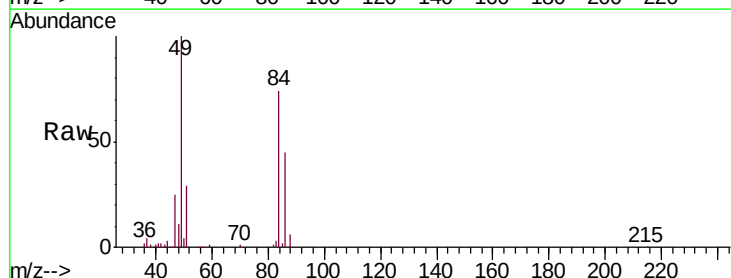
Ion Ratio Lower Upper

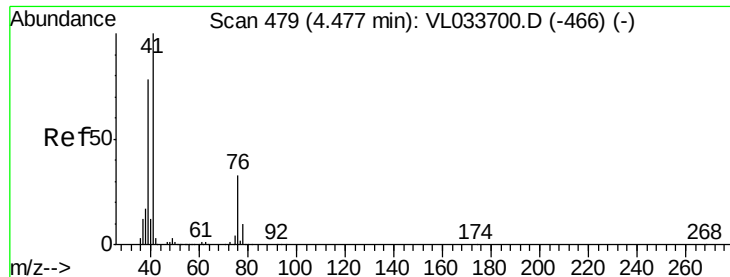
84 100

49 135.6 112.8 169.2

51 39.9 33.4 50.0

86 61.2 51.7 77.5

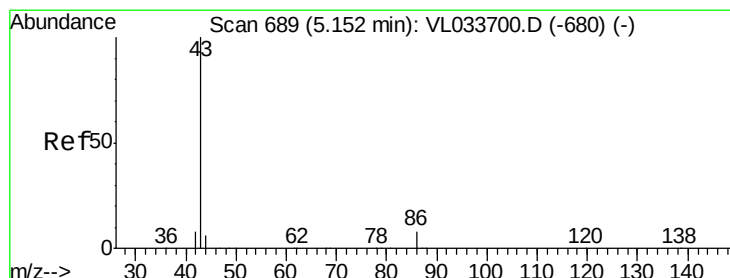
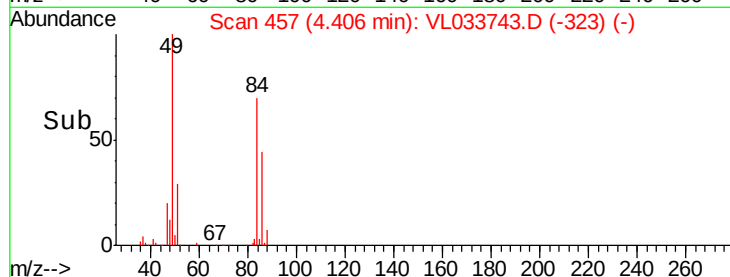
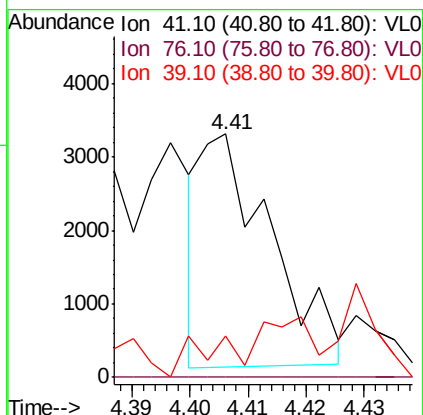
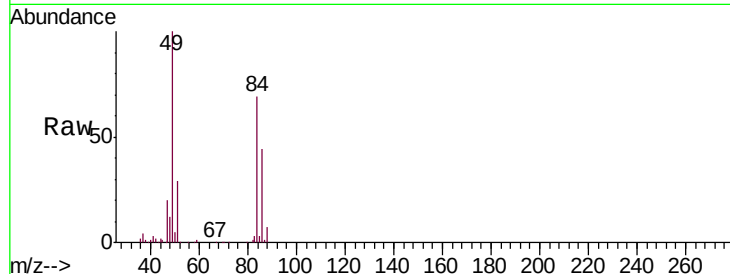




#21
 Allyl Chloride
 Concen: 0.037 ppbv
 RT: 4.41 min Scan# 457
 Delta R.T. -0.07 min
 Lab File: VL033743.D
 Acq: 22 May 2019 14:08

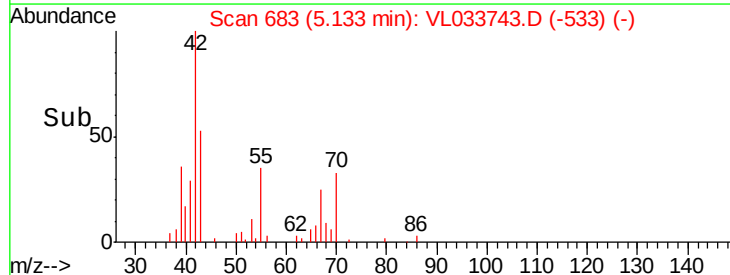
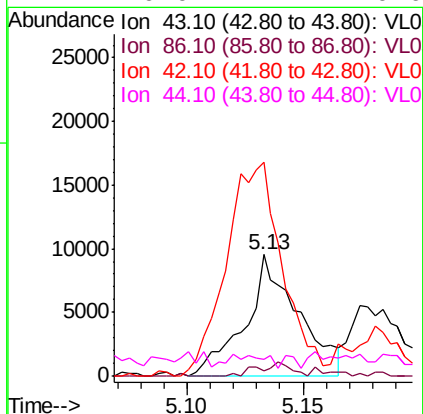
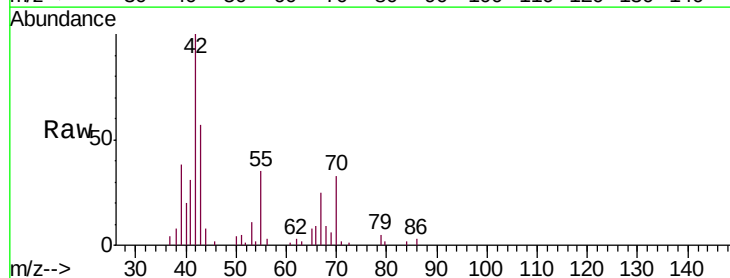
Instrument :
 MSVOA_L
 ClientSampleId :
 BP-VPB202-AIR-UW-20190515

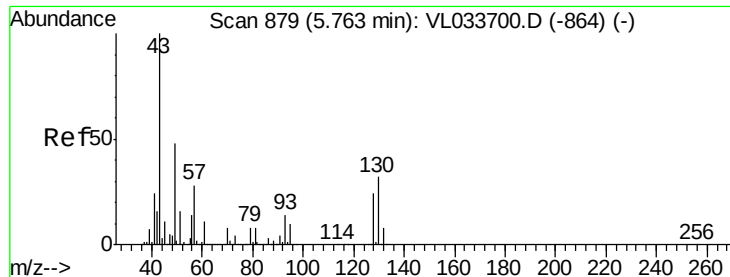
Tgt Ion: 41 Resp: 2676
 Ion Ratio Lower Upper
 41 100
 76 0.0 25.9 38.9#
 39 23.7 64.6 97.0#



#23
 Vinyl Acetate
 Concen: 0.098 ppbv
 RT: 5.13 min Scan# 683
 Delta R.T. -0.02 min
 Lab File: VL033743.D
 Acq: 22 May 2019 14:08

Tgt Ion: 43 Resp: 15160
 Ion Ratio Lower Upper
 43 100
 86 5.7 6.0 9.0#
 42 214.8 7.5 11.3#
 44 0.0 4.4 6.6#





#25

Ethyl Acetate

Concen: 0.988 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.01 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

Instrument :

MSVOA_L

ClientSampleId :

BP-VPB202-AIR-UW-20190515

Tgt Ion: 43 Resp: 203802

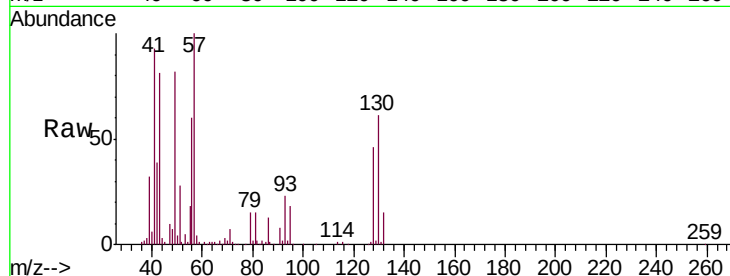
Ion Ratio Lower Upper

43 100

45 2.9 7.9 11.9#

61 2.6 7.7 11.5#

70 3.2 5.8 8.6#

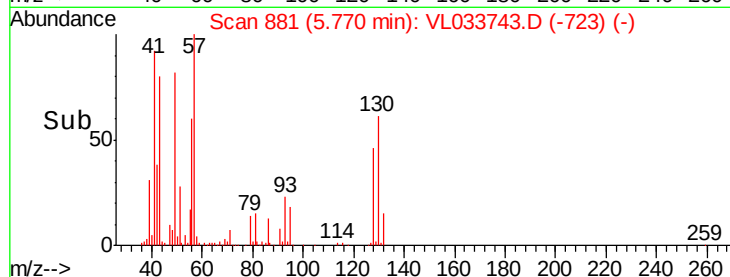
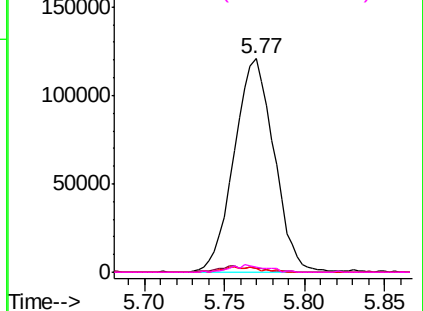


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.753 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.01 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

Tgt Ion: 57 Resp: 244270

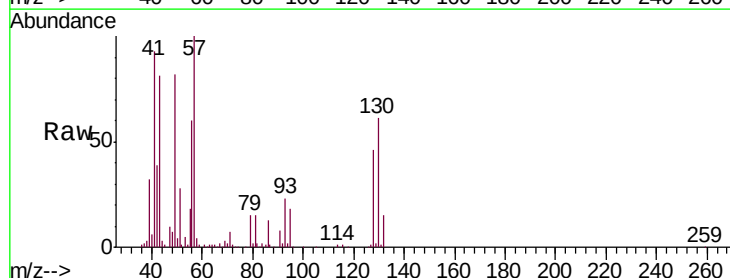
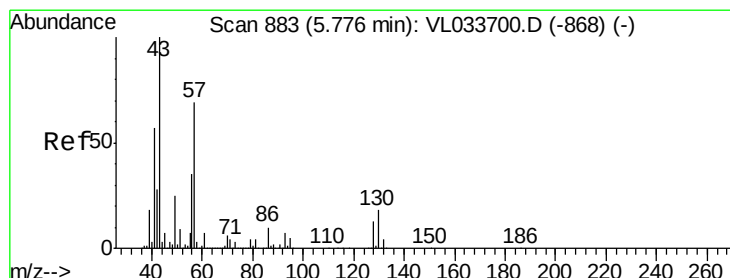
Ion Ratio Lower Upper

57 100

41 97.9 69.8 104.6

43 84.3 181.8 272.6#

56 58.7 42.1 63.1

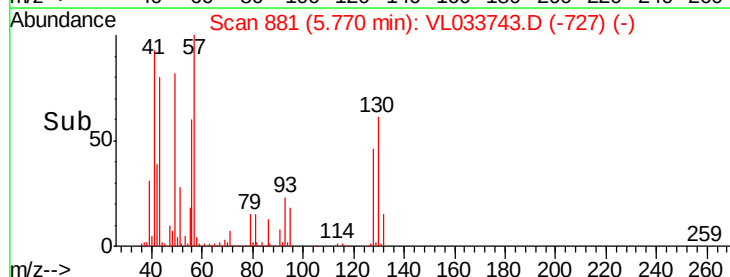
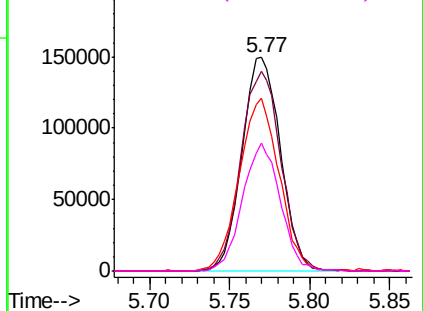


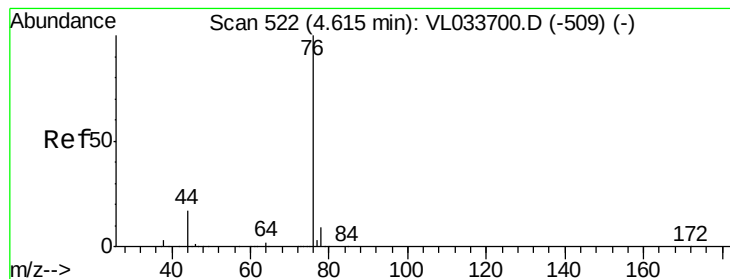
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.022 ppbv

RT: 4.61 min Scan# 521

Delta R.T. -0.00 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

Instrument :

MSVOA_L

ClientSampleId :

BP-VPB202-AIR-UW-20190515

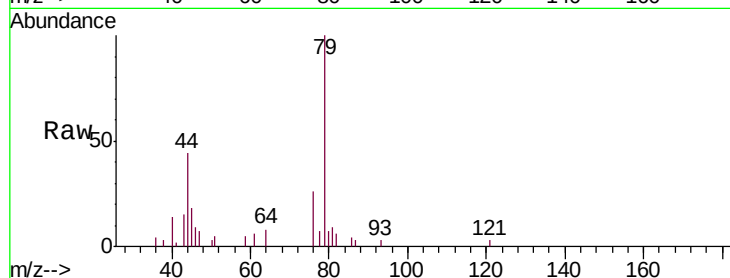
Tgt Ion: 76 Resp: 2652

Ion Ratio Lower Upper

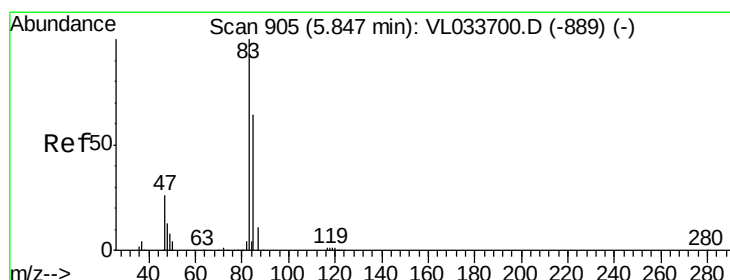
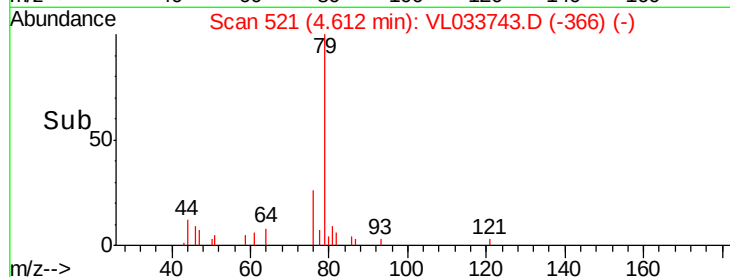
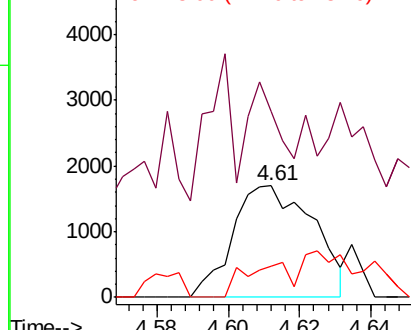
76 100

44 129.1 13.8 20.8#

78 0.0 7.4 11.0#



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: 0.023 ppbv

RT: 5.84 min Scan# 902

Delta R.T. -0.01 min

Lab File: VL033743.D

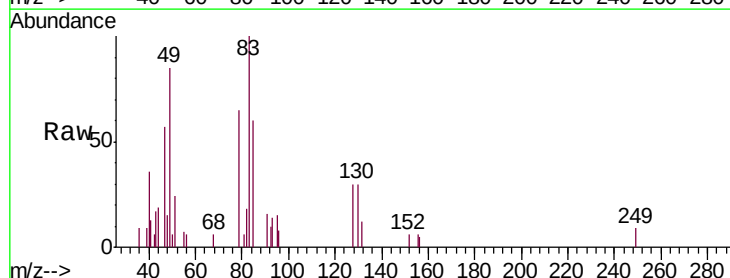
Acq: 22 May 2019 14:08

Tgt Ion: 83 Resp: 3810

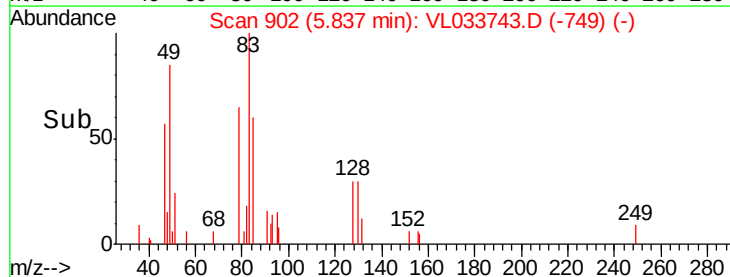
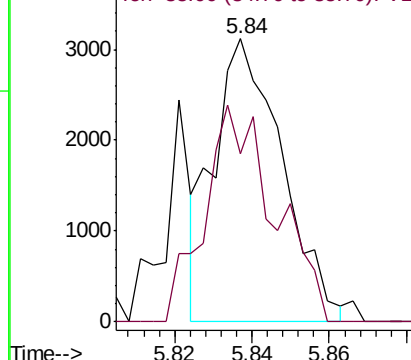
Ion Ratio Lower Upper

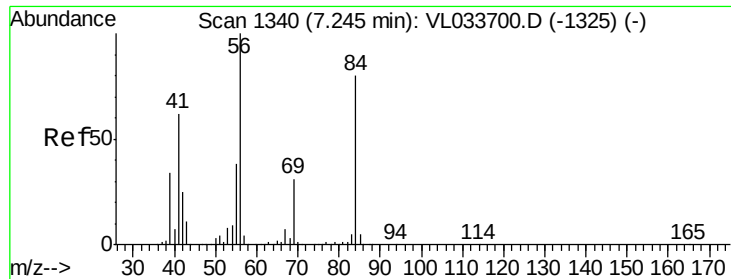
83 100

85 63.1 51.5 77.3



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

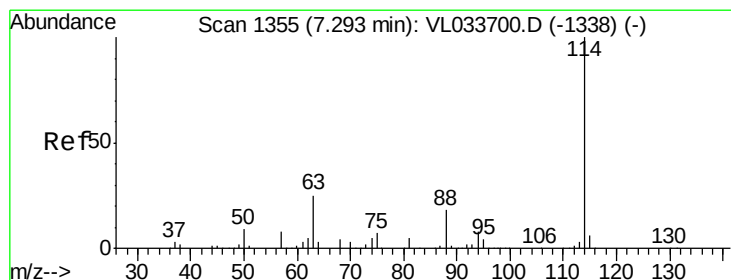
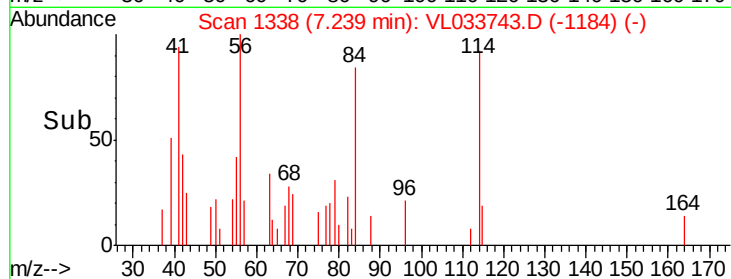
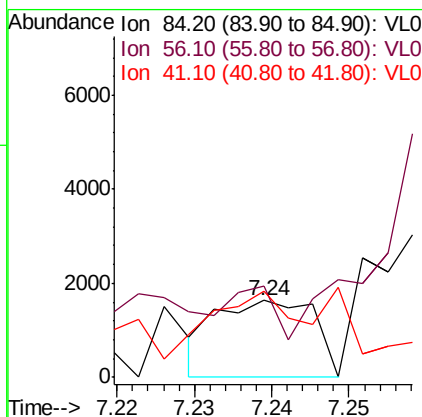
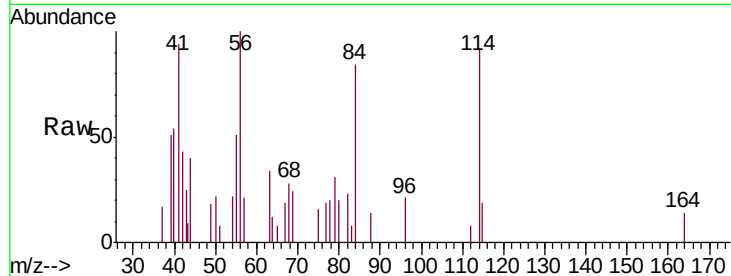




#30
Cyclohexane
Concen: 0.019 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033743.D
Acq: 22 May 2019 14:08

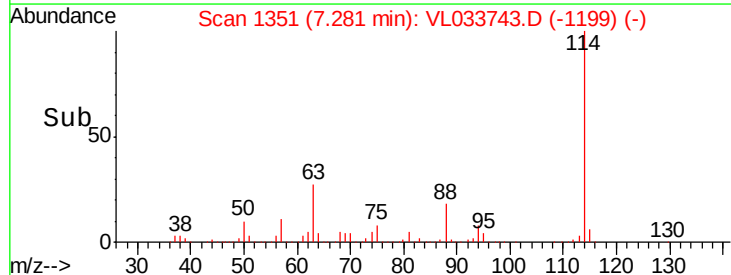
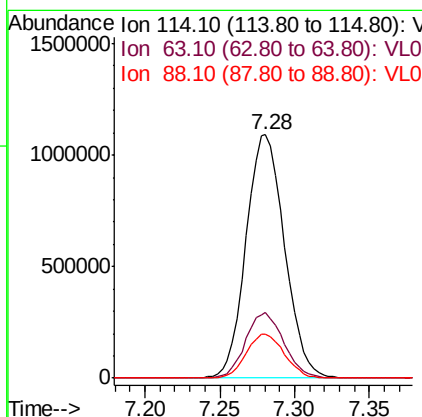
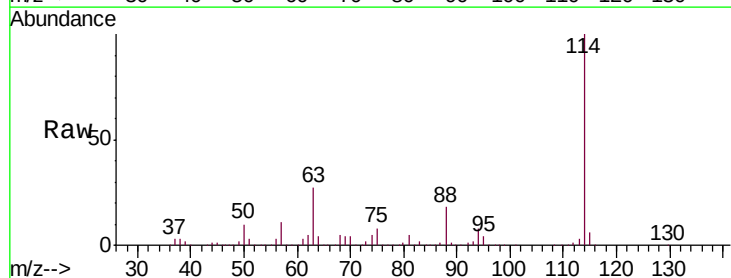
Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515

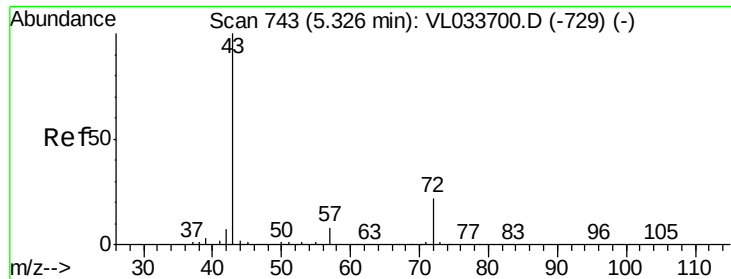
Tgt Ion: 84 Resp: 1443
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 0.0 66.0 99.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL033743.D
Acq: 22 May 2019 14:08

Tgt Ion: 114 Resp: 1956586
Ion Ratio Lower Upper
114 100
63 26.7 20.9 31.3
88 18.1 14.3 21.5

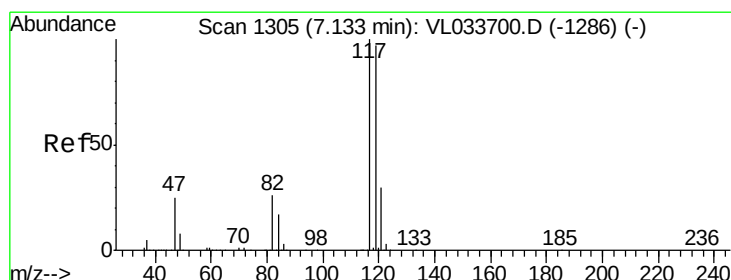
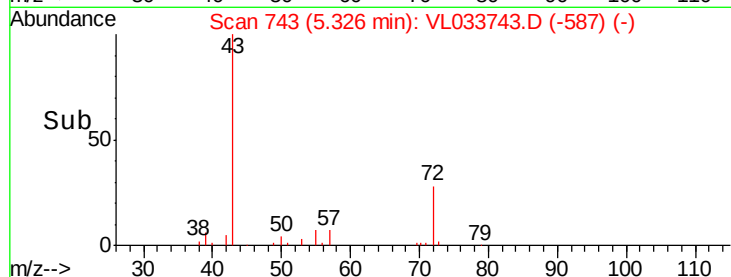
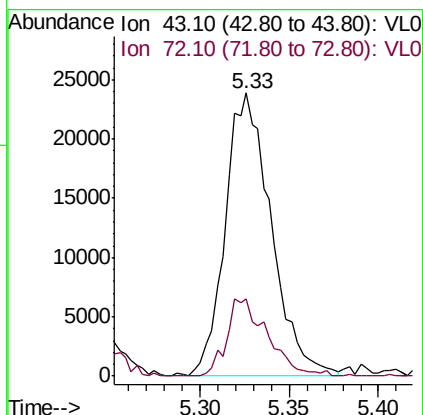
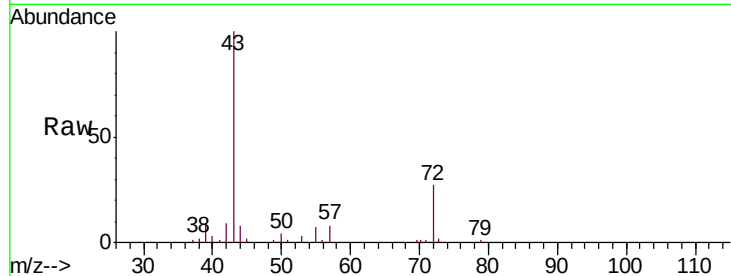




#34
2-Butanone
Concen: 0.352 ppbv
RT: 5.33 min Scan# 743
Delta R.T. 0.00 min
Lab File: VL033743.D
Acq: 22 May 2019 14:08

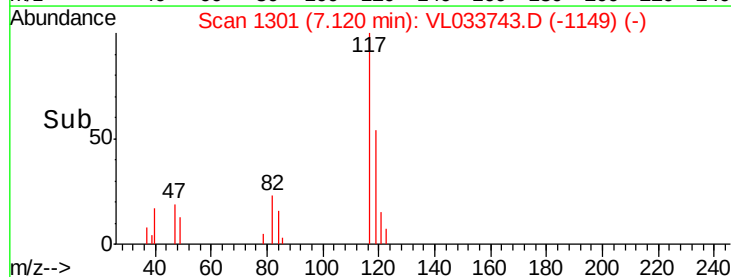
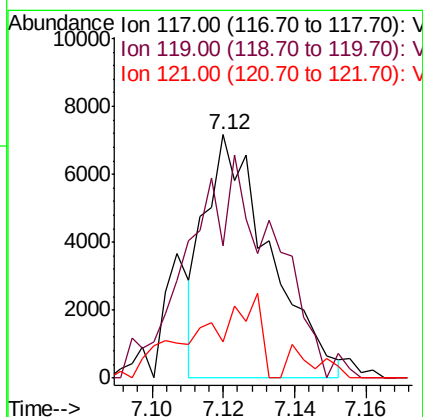
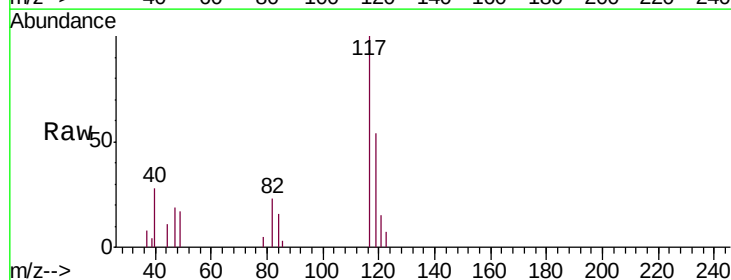
Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515

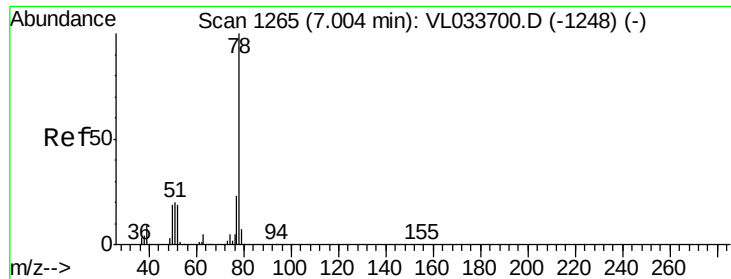
Tgt Ion: 43 Resp: 42749
Ion Ratio Lower Upper
43 100
72 24.4 17.8 26.6



#35
Carbon Tetrachloride
Concen: 0.057 ppbv
RT: 7.12 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VL033743.D
Acq: 22 May 2019 14:08

Tgt Ion: 117 Resp: 9005
Ion Ratio Lower Upper
117 100
119 48.1 77.2 115.8#
121 10.8 24.1 36.1#

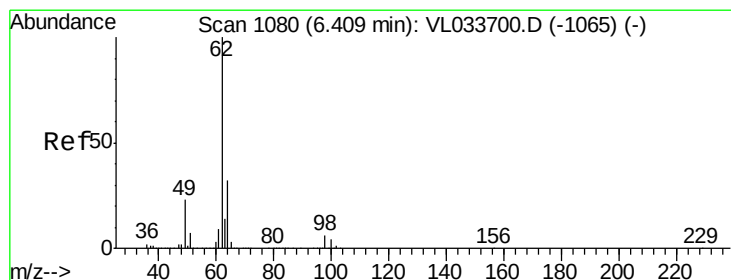
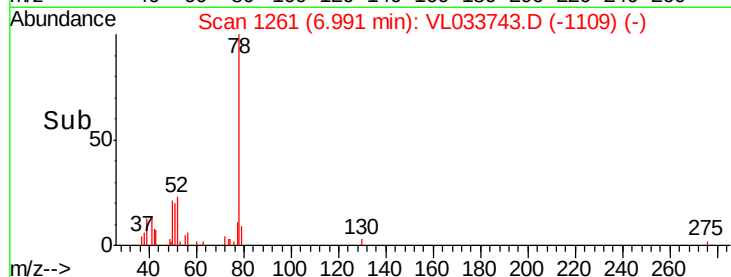
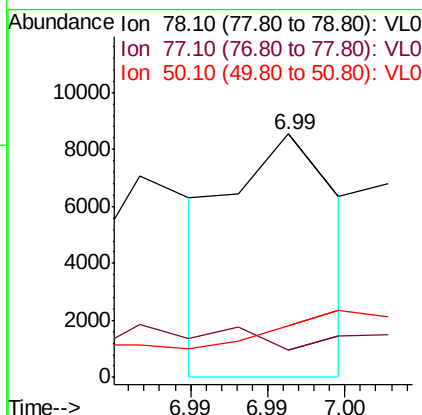
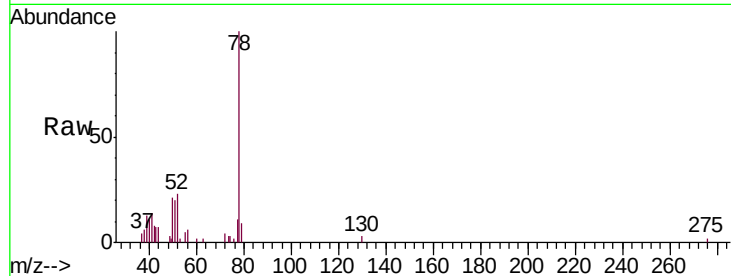




#36
Benzene
Concen: 0.023 ppbv
RT: 6.99 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VL033743.D
Acq: 22 May 2019 14:08

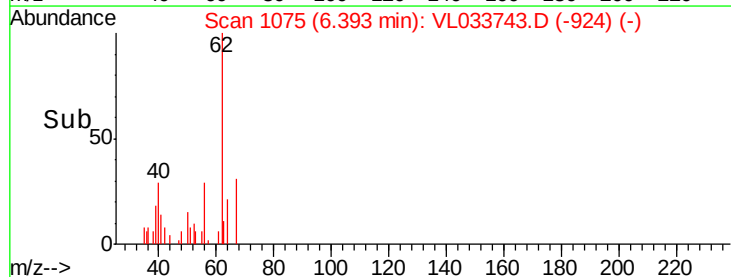
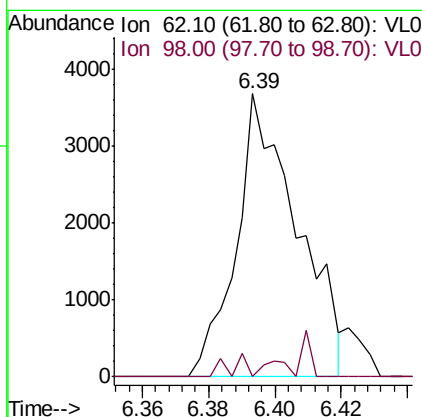
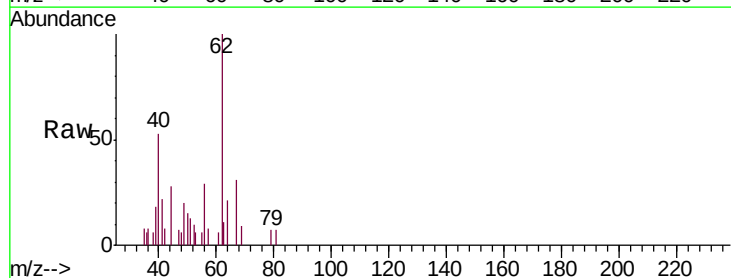
Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515

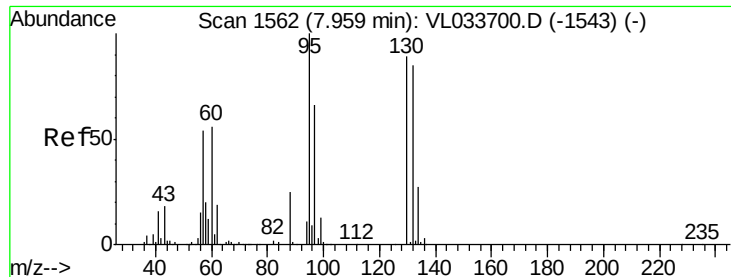
Tgt Ion: 78 Resp: 4119
Ion Ratio Lower Upper
78 100
77 0.0 18.4 27.6#
50 0.0 15.5 23.3#



#37
1,2-Dichloroethane
Concen: 0.041 ppbv
RT: 6.39 min Scan# 1075
Delta R.T. -0.02 min
Lab File: VL033743.D
Acq: 22 May 2019 14:08

Tgt Ion: 62 Resp: 4701
Ion Ratio Lower Upper
62 100
98 0.0 4.5 6.7#





#38

Trichloroethene

Concen: 0.103 ppbv

RT: 7.95 min Scan# 1558

Delta R.T. -0.01 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

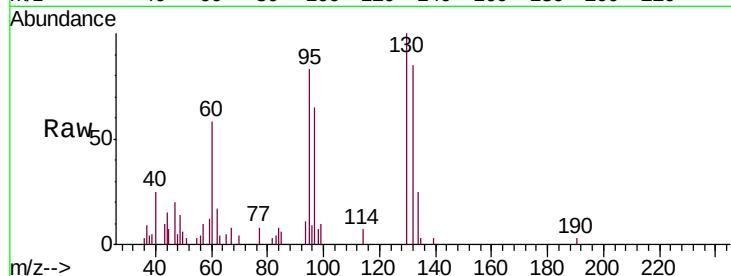
Instrument :

MSVOA_L

ClientSampleId :

BP-VPB202-AIR-UW-20190515

Tgt Ion:	130	Resp:	6789
Ion	Ratio	Lower	Upper
130	100		
95	82.7	90.2	135.4#
132	74.8	76.4	114.6#
97	69.5	59.8	89.6



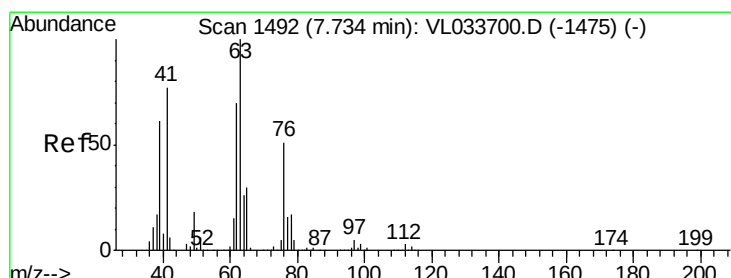
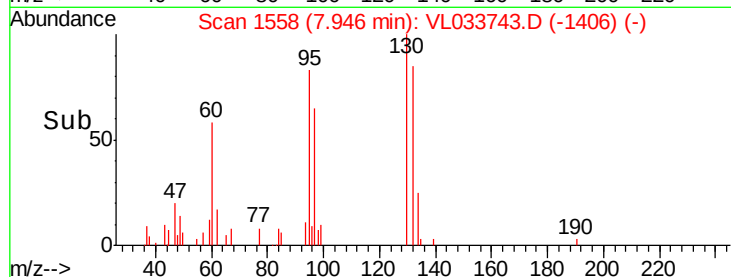
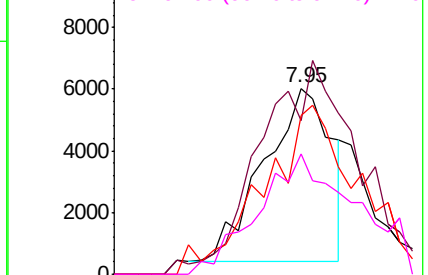
Abundance

Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 7.822 ppbv

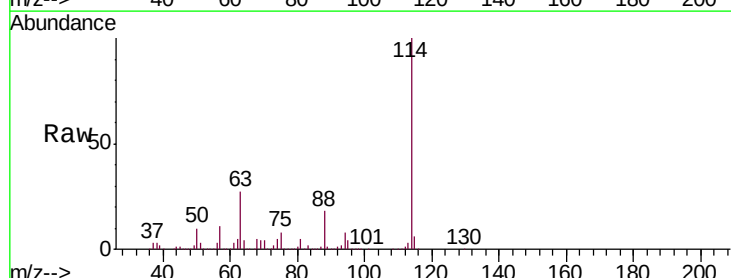
RT: 7.28 min Scan# 1351

Delta R.T. -0.45 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

Tgt Ion:	63	Resp:	519017
Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.5	92.3#
62	18.2	56.2	84.4#

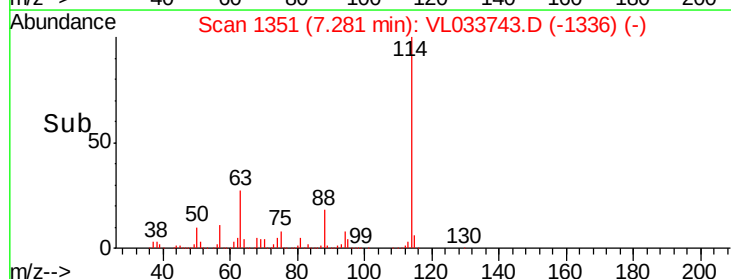
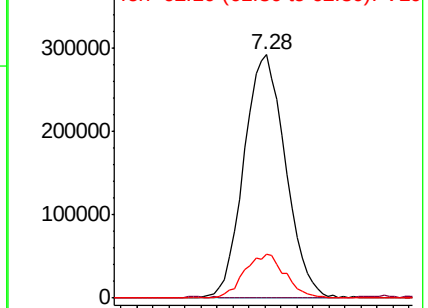


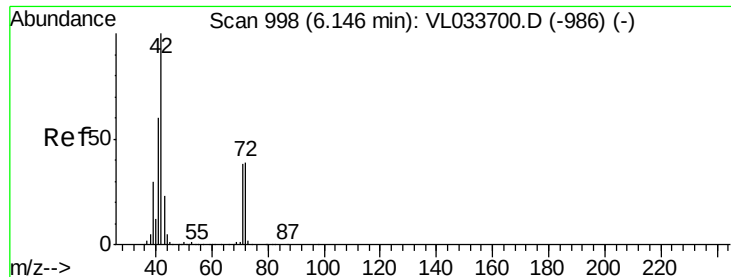
Abundance

Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 1.498 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.37 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

Instrument :

MSVOA_L

ClientSampleId :

BP-VPB202-AIR-UW-20190515

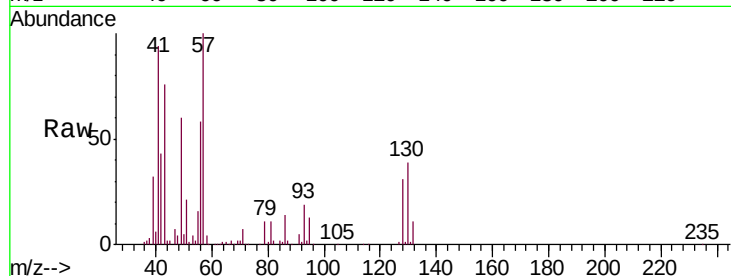
Tgt Ion: 42 Resp: 101801

Ion Ratio Lower Upper

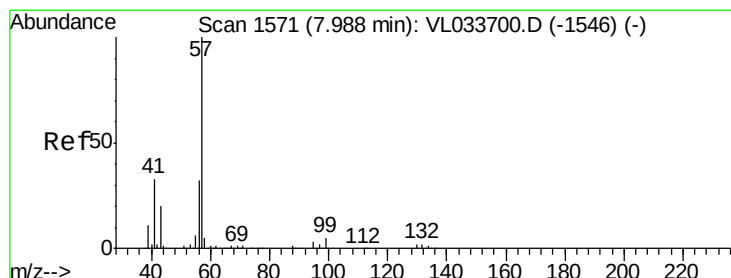
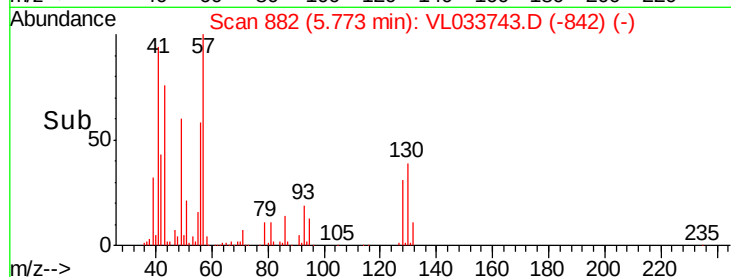
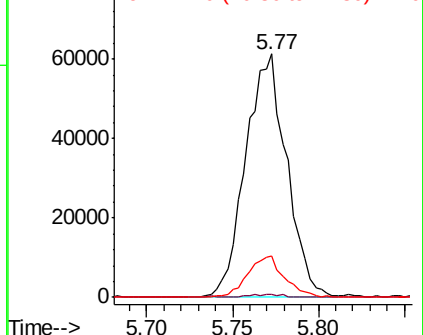
42 100

72 1.0 32.0 48.0#

71 14.9 30.4 45.6#



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.023 ppbv

RT: 7.98 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

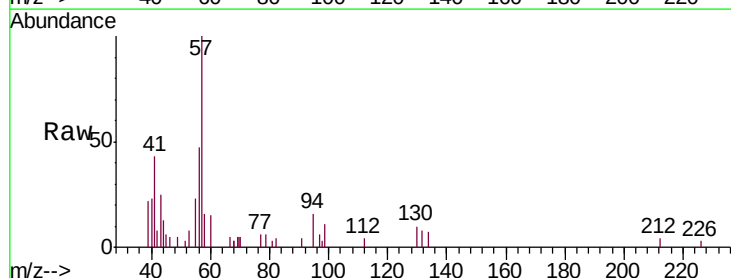
Tgt Ion: 57 Resp: 7012

Ion Ratio Lower Upper

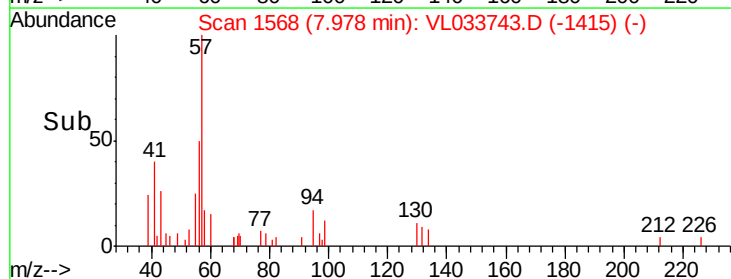
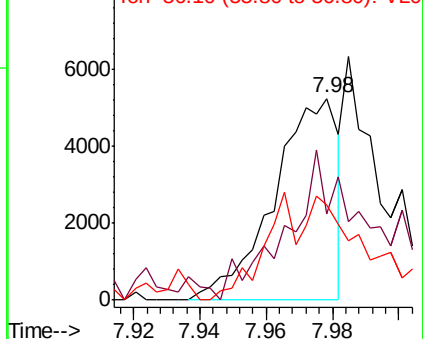
57 100

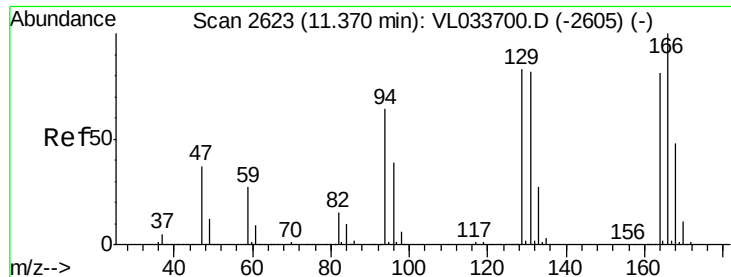
41 115.8 25.4 38.0#

56 89.5 24.7 37.1#



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





#52

Tetrachloroethene

Concen: 0.011 ppbv

RT: 11.35 min Scan# 2617

Delta R.T. -0.02 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

Instrument :

MSVOA_L

ClientSampleId :

BP-VPB202-AIR-UW-20190515

Tgt Ion:164 Resp: 716

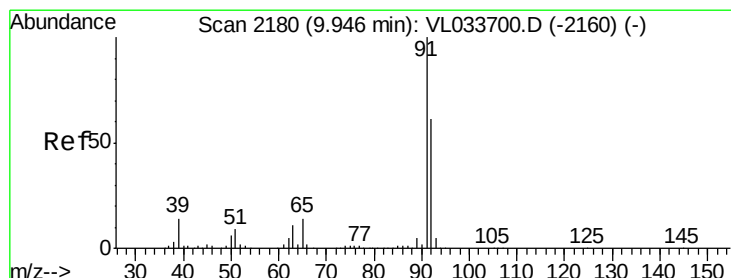
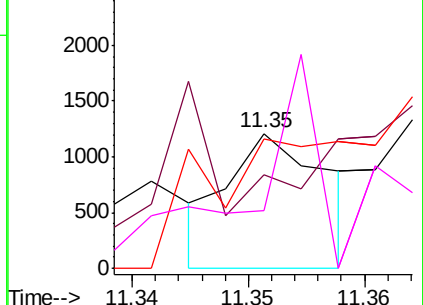
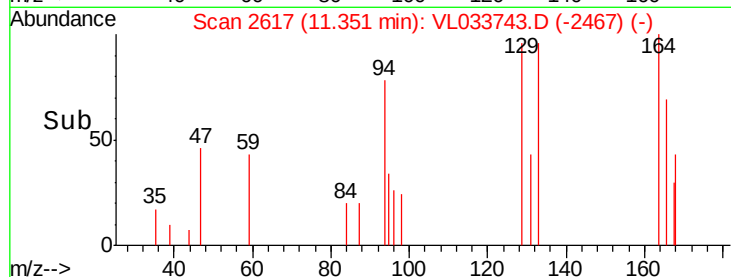
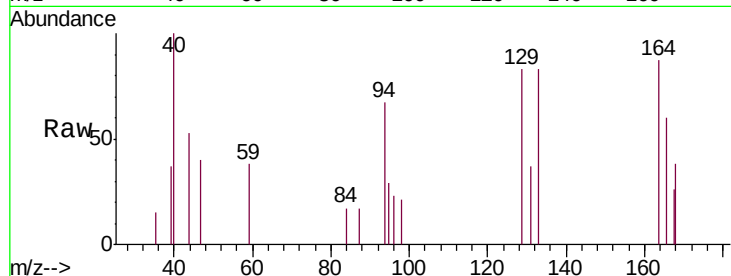
Ion Ratio Lower Upper

164 100

166 0.0 98.9 148.3#

129 13.0 81.8 122.6#

131 83.4 81.1 121.7



#53

Toluene

Concen: 0.659 ppbv

RT: 9.93 min Scan# 2175

Delta R.T. -0.02 min

Lab File: VL033743.D

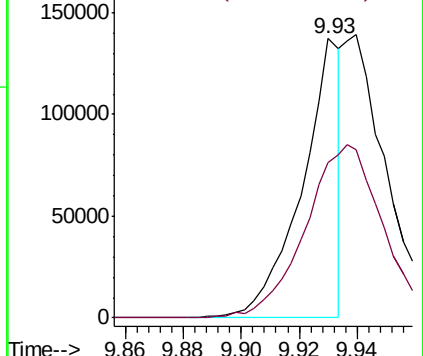
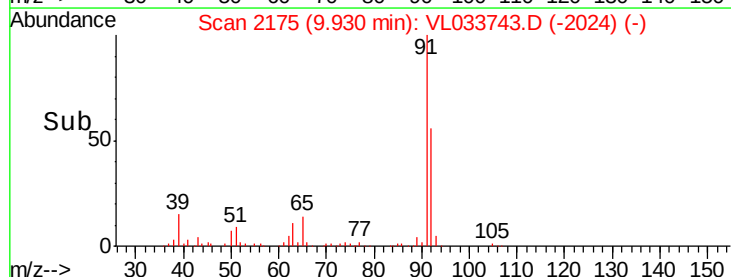
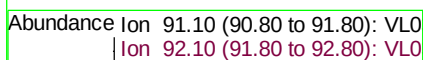
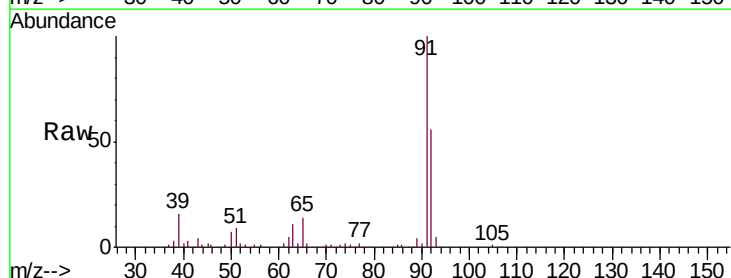
Acq: 22 May 2019 14:08

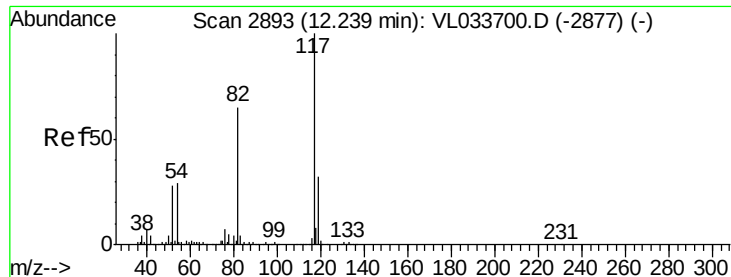
Tgt Ion: 91 Resp: 126501

Ion Ratio Lower Upper

91 100

92 0.0 47.6 71.4#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2889

Delta R.T. -0.01 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

Instrument :

MSVOA_L

ClientSampleId :

BP-VPB202-AIR-UW-20190515

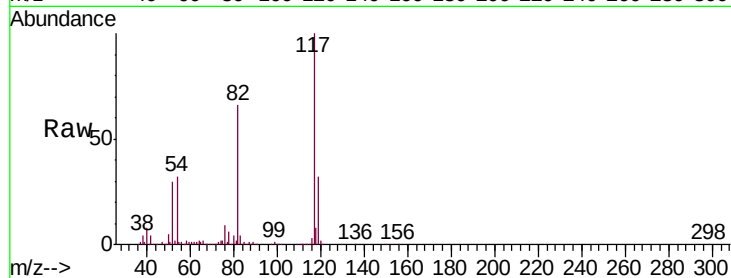
Tgt Ion:117 Resp: 2145428

Ion Ratio Lower Upper

117 100

82 68.2 49.4 74.0

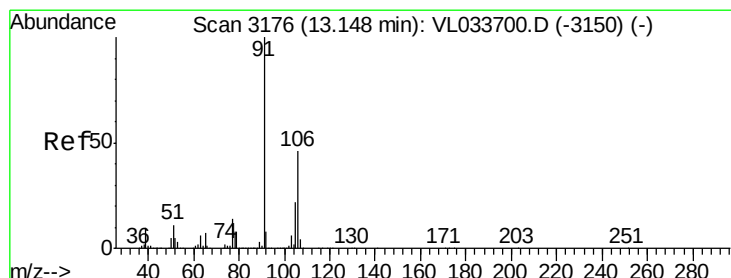
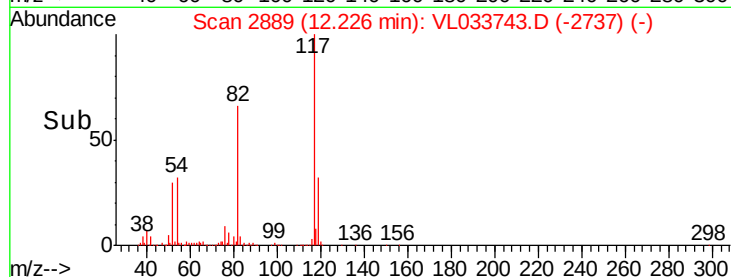
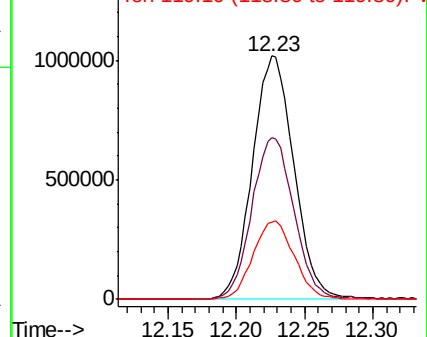
119 32.4 24.9 37.3



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



#59

m/p-Xylene

Concen: 0.022 ppbv

RT: 13.14 min Scan# 3173

Delta R.T. -0.01 min

Lab File: VL033743.D

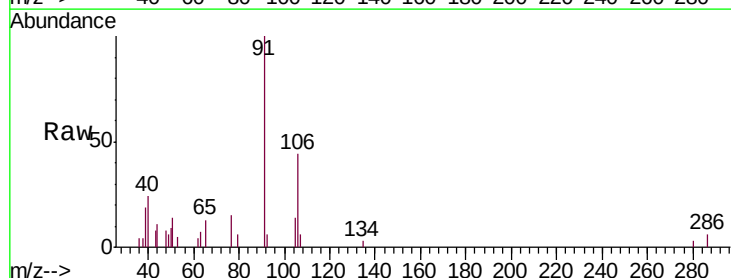
Acq: 22 May 2019 14:08

Tgt Ion: 91 Resp: 5346

Ion Ratio Lower Upper

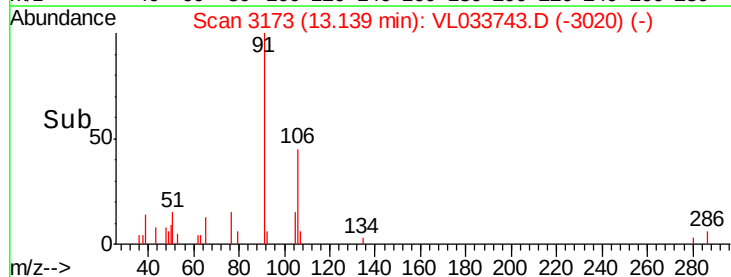
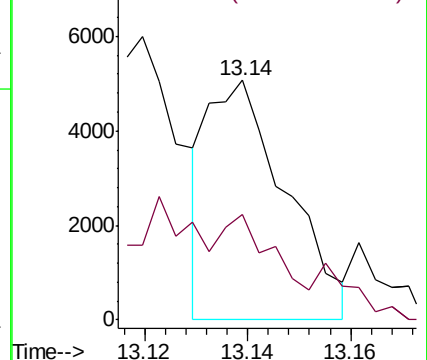
91 100

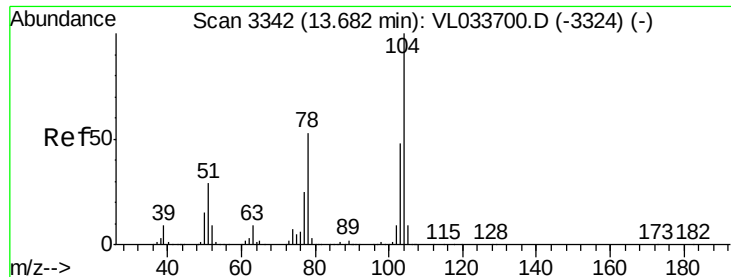
106 0.0 35.8 53.6#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Styrene

Concen: 0.011 ppbv

RT: 13.67 min Scan# 3338

Delta R.T. -0.01 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

Instrument :

MSVOA_L

ClientSampleId :

BP-VPB202-AIR-UW-20190515

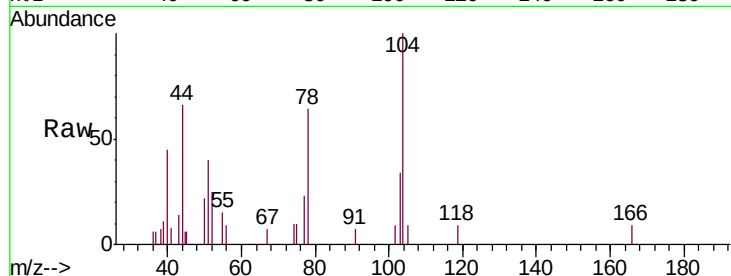
Tgt Ion: 104 Resp: 1780

Ion Ratio Lower Upper

104 100

78 0.0 42.6 64.0#

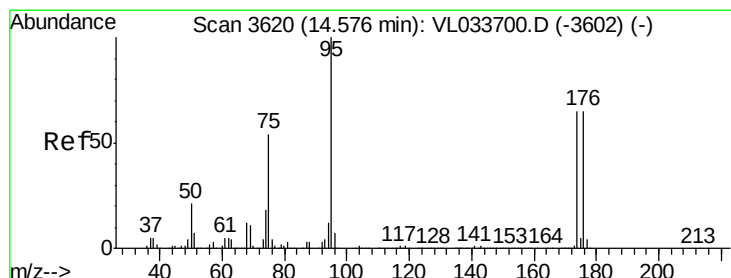
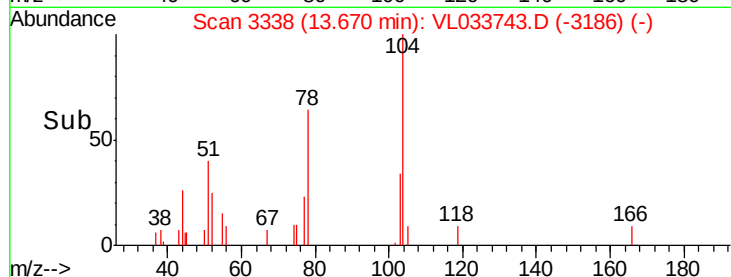
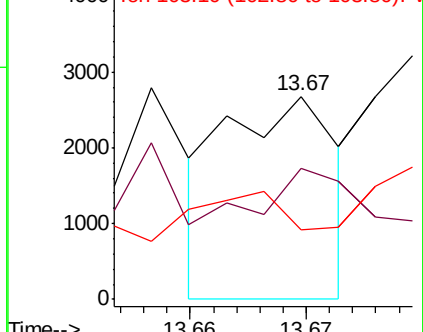
103 0.0 37.8 56.6#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.751 ppbv

RT: 14.56 min Scan# 3616

Delta R.T. -0.01 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

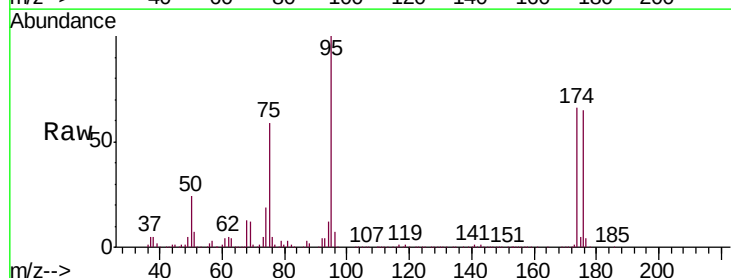
Tgt Ion: 95 Resp: 1695997

Ion Ratio Lower Upper

95 100

174 66.8 53.9 80.9

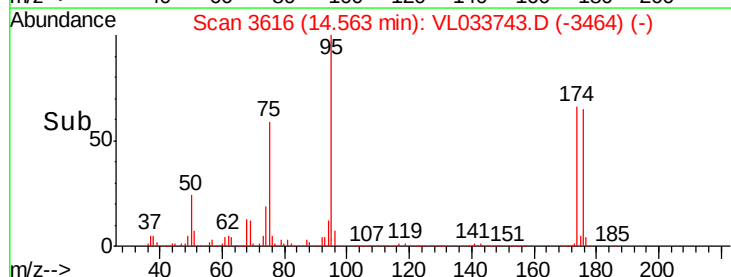
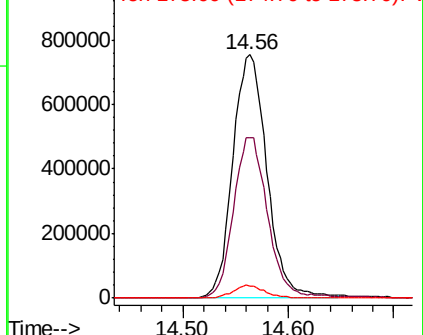
175 4.9 3.8 5.8

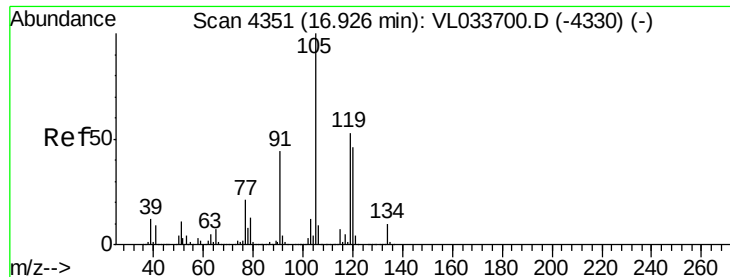


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#74

1,2,4-Trimethylbenzene

Concen: 0.011 ppbv

RT: 16.90 min Scan# 4344

Delta R.T. -0.02 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

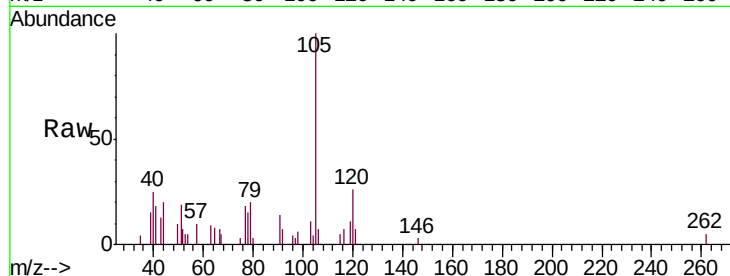
Instrument :

MSVOA_L

ClientSampleId :

BP-VPB202-AIR-UW-20190515

Tgt Ion:	105	Resp:	3422
Ion	Ratio	Lower	Upper
105	100		
120	0.4	36.8	55.2#
91	16.1	35.4	53.0#
77	17.3	16.8	25.2



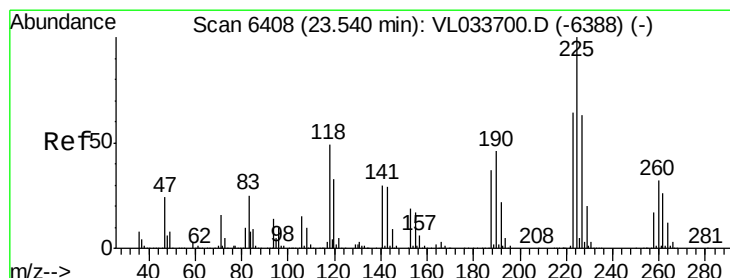
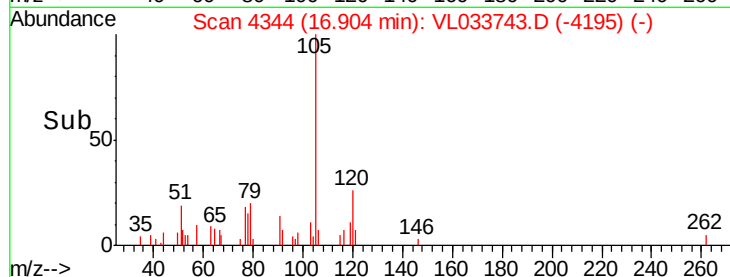
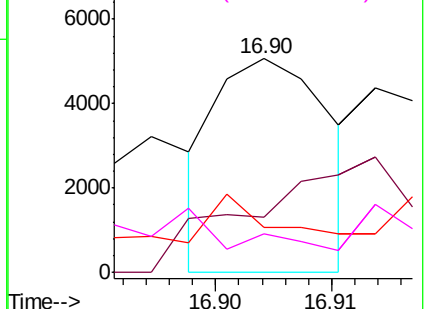
Abundance

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



#78

Hexachloro-1,3-Butadiene

Concen: 0.011 ppbv

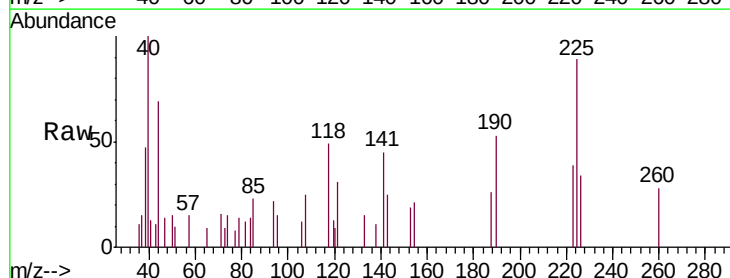
RT: 23.52 min Scan# 6402

Delta R.T. -0.02 min

Lab File: VL033743.D

Acq: 22 May 2019 14:08

Tgt Ion:	225	Resp:	1427
Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.2	75.4#
227	0.0	50.7	76.1#

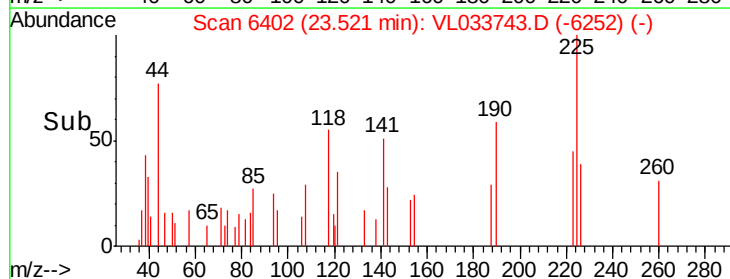
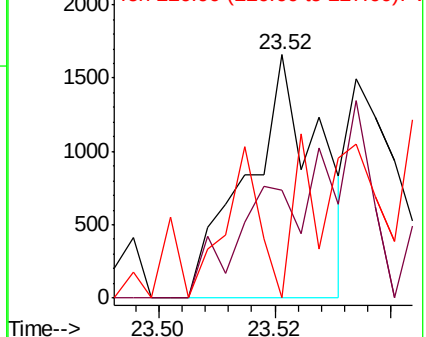


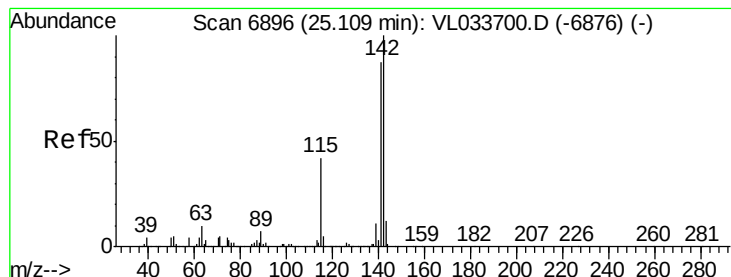
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#80
 Naphthalene, 2-methyl-
 Concen: 0.044 ppbv
 RT: 25.11 min Scan# 6897
 Delta R.T. 0.00 min
 Lab File: VL033743.D
 Acq: 22 May 2019 14:08

Instrument :
 MSVOA_L
 ClientSampleId :
 BP-VPB202-AIR-UW-20190515

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.4	67.2	100.8
115	46.3	34.1	51.1

