

Data File : VL033815.D
Acq On : 28 May 2019 23:12
Operator : SY/AP
Sample : K2960-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3004-04

Quant Time: May 29 05:32:07 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	651101	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1581680	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1596216	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1319478	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	24535	0.179	ppbv	92
3) Chlorodifluoromethane	3.02	51	33428	0.448	ppbv	95
4) Chloromethane	3.17	50	26841	0.629	ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	2806	0.025	ppbv	99
9) Propene	3.05	41	16591	0.523	ppbv	84
10) Heptane	8.23	43	3230	0.036	ppbv #	26
11) Trichlorofluoromethane	4.00	101	38405	0.293	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.55	101	21784	0.238	ppbv	99
13) Ethanol	3.65	45	85329	8.322	ppbv	100
15) Acetone	3.90	43	534512	5.917	ppbv	99
16) 1,3-Butadiene	3.34	39	4026	0.112	ppbv #	28
17) tert-Butyl alcohol	4.38	59	2352	0.032	ppbv #	72
19) Isopropyl Alcohol	4.04	45	20372	0.350	ppbv #	94
20) Methylene Chloride	4.41	84	62721	1.803	ppbv	98
23) Vinyl Acetate	5.14	43	14849	0.125	ppbv #	65
25) Ethyl Acetate	5.78	43	33715	0.212	ppbv #	89
26) Hexane	5.77	57	33462	0.490	ppbv #	45
29) Chloroform	5.84	83	2701	0.021	ppbv #	75
34) 2-Butanone	5.33	43	33667	0.343	ppbv	97
35) Carbon Tetrachloride	7.13	117	5300	0.042	ppbv #	70
36) Benzene	6.99	78	9004	0.063	ppbv #	91
38) Trichloroethene	7.95	130	1906	0.036	ppbv #	5
39) 1,2-Dichloropropane	7.28	63	419996	7.830	ppbv #	22
44) 2,2,4-Trimethylpentane	7.98	57	9919	0.041	ppbv #	39
52) Tetrachloroethene	11.36	164	1309	0.026	ppbv #	40
53) Toluene	9.94	91	571516	3.683	ppbv	100
59) m/p-Xylene	13.14	91	5007	0.027	ppbv #	31
60) o-Xylene	13.84	91	6041	0.032	ppbv	70
74) 1,2,4-Trimethylbenzene	16.92	105	9480	0.042	ppbv #	79
76) 1,4-Dichlorobenzene	17.30	146	1516	0.012	ppbv #	39
78) Hexachloro-1,3-Butadiene	23.53	225	1025	0.010	ppbv #	1
80) Naphthalene,2-methyl-	25.10	142	1802	0.023	ppbv	96

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

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Instrument :
MSVOA_L
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BPS1-ODA-3004-04

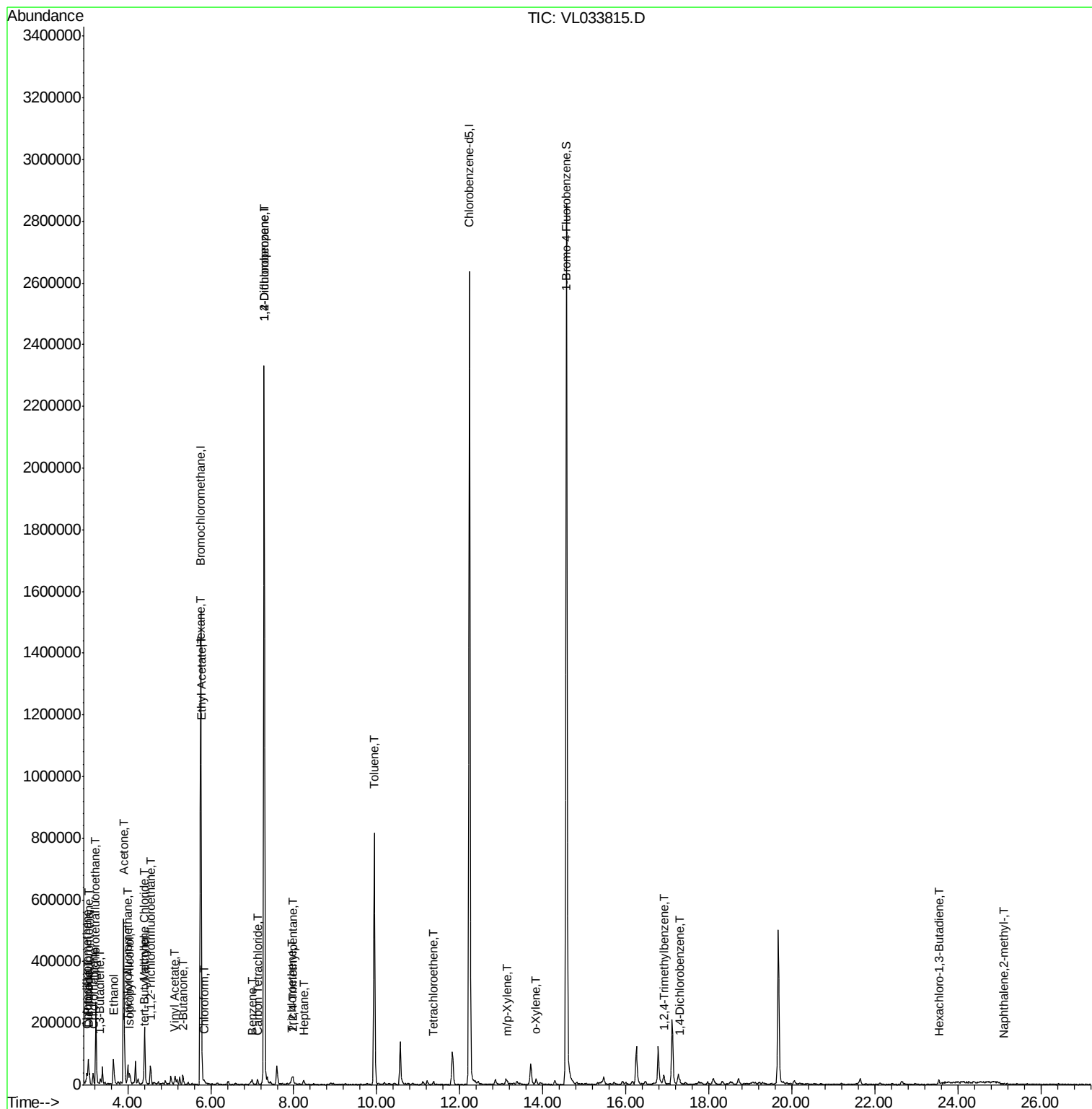
Quant Time: May 29 05:32:07 2019

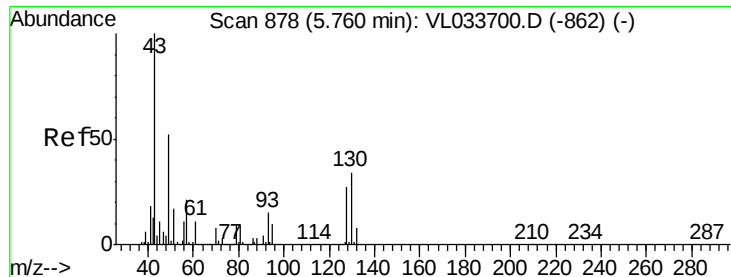
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL051719AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri May 17 08:15:41 2019

QLast Update : Fri May 17 08:15:41 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3004-04

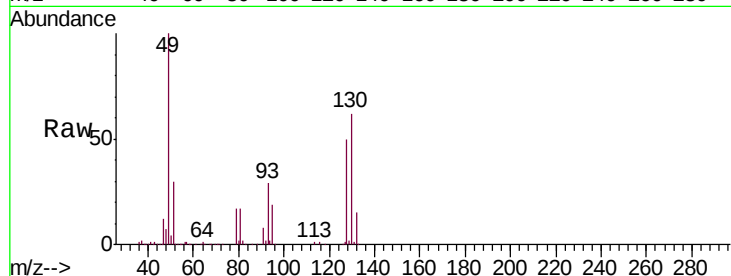
Tgt Ion: 49 Resp: 651101

Ion Ratio Lower Upper

49 100

128 50.7 25.2 75.6

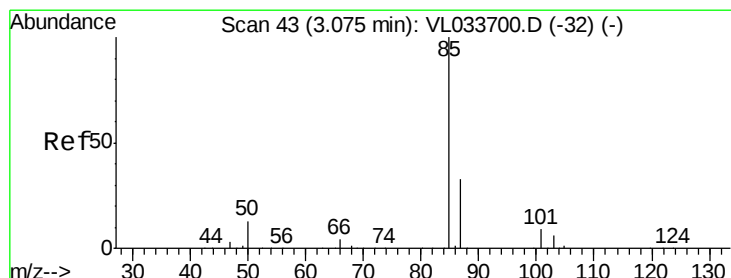
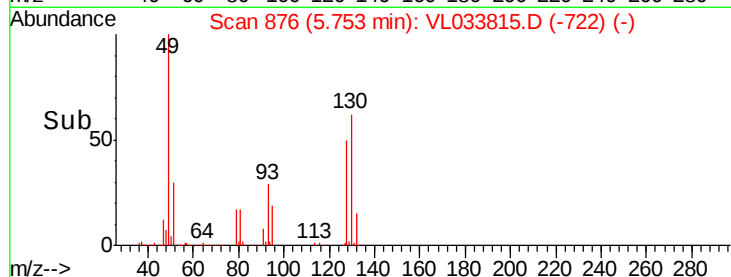
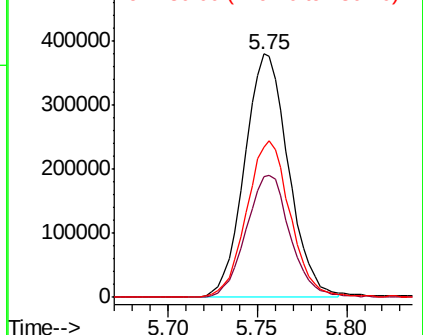
130 64.1 32.5 97.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.179 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033815.D

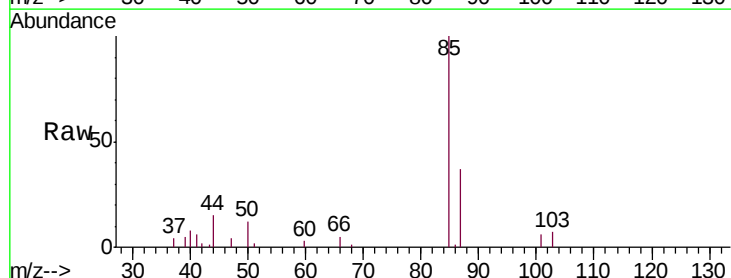
Acq: 28 May 2019 23:12

Tgt Ion: 85 Resp: 24535

Ion Ratio Lower Upper

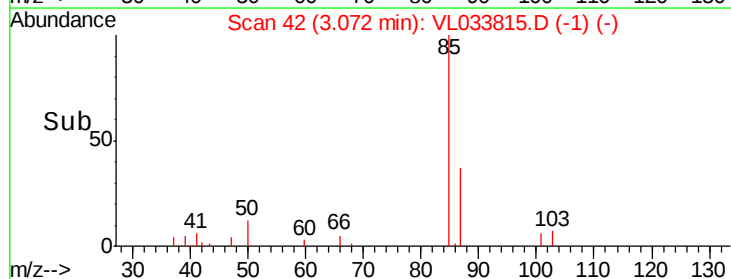
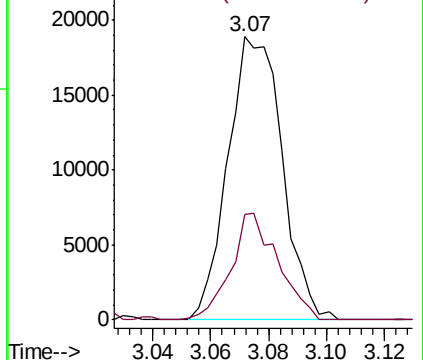
85 100

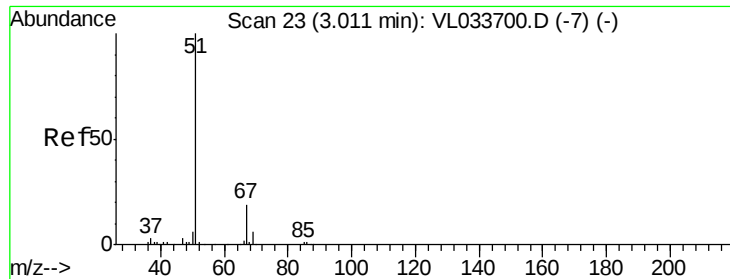
87 37.1 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.448 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.01 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

Instrument :

MSVOA_L

ClientSampleId :

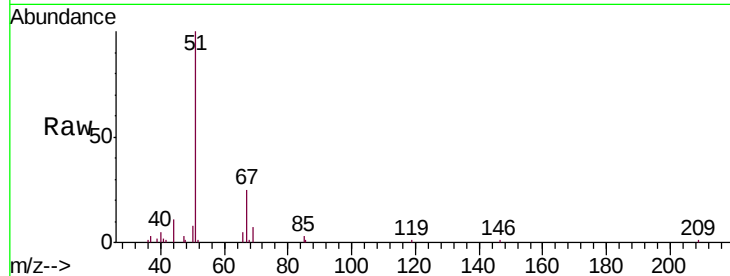
BPS1-ODA-3004-04

Tgt Ion: 51 Resp: 33428

Ion Ratio Lower Upper

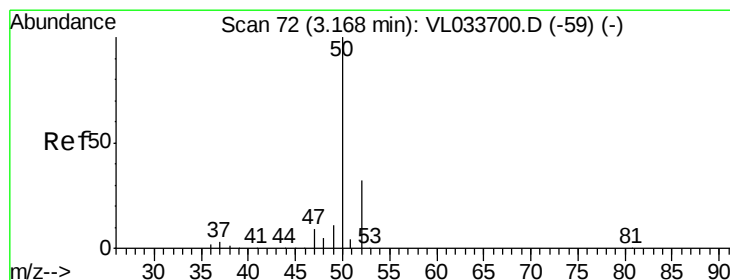
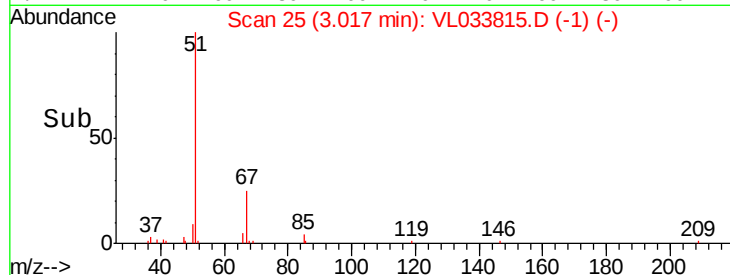
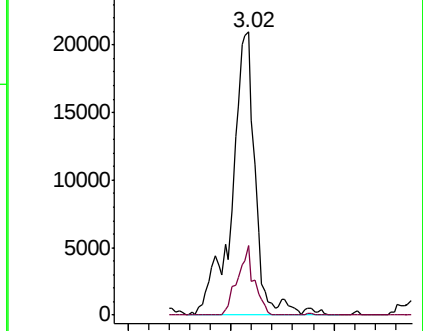
51 100

67 17.2 15.6 23.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.629 ppbv

RT: 3.17 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL033815.D

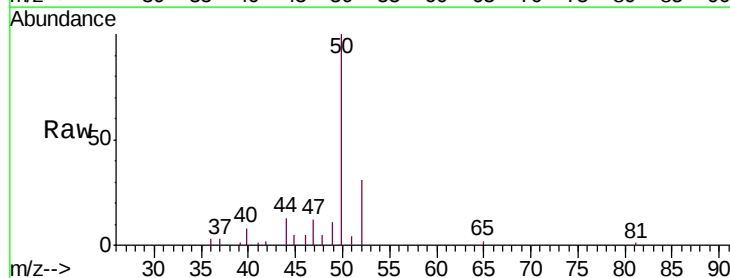
Acq: 28 May 2019 23:12

Tgt Ion: 50 Resp: 26841

Ion Ratio Lower Upper

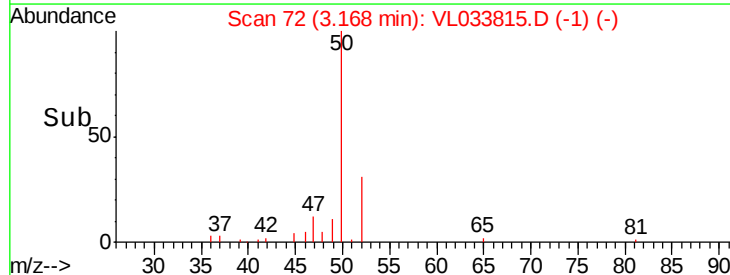
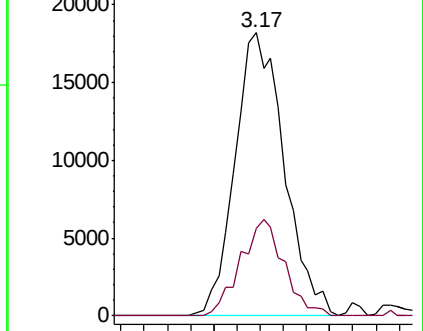
50 100

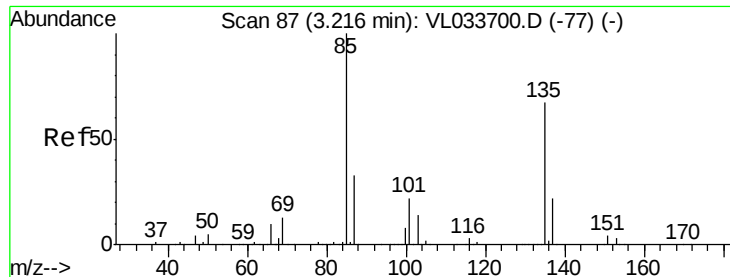
52 30.9 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#8

Dichlorotetrafluoroethane

Concen: 0.025 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

Instrument :

MSVOA_L

ClientSampleId :

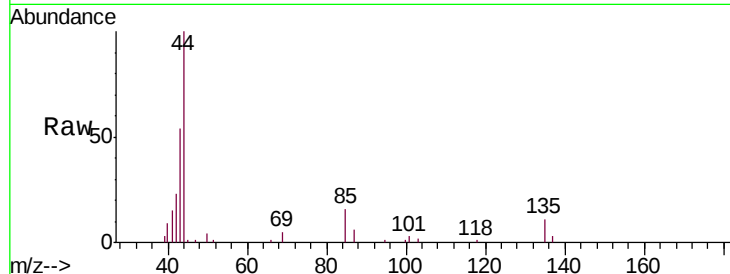
BPS1-ODA-3004-04

Tgt Ion: 85 Resp: 2806

Ion Ratio Lower Upper

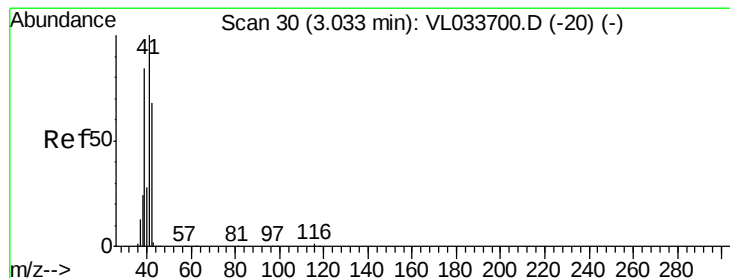
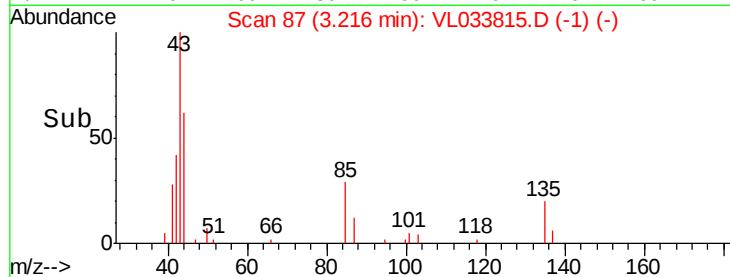
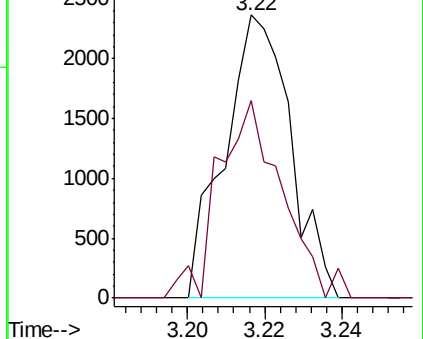
85 100

135 67.4 54.5 81.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0



#9

Propene

Concen: 0.523 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.01 min

Lab File: VL033815.D

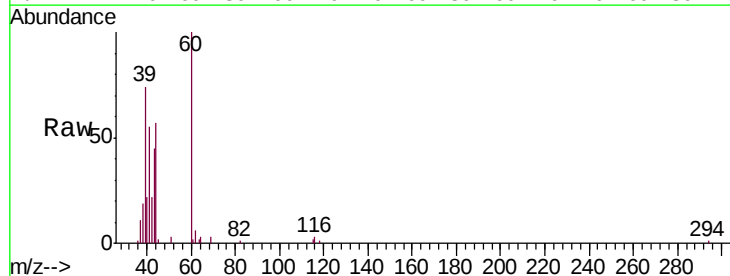
Acq: 28 May 2019 23:12

Tgt Ion: 41 Resp: 16591

Ion Ratio Lower Upper

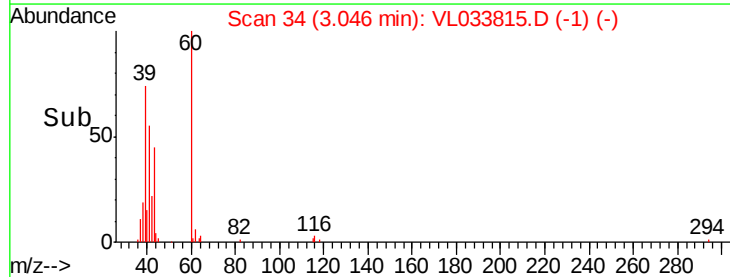
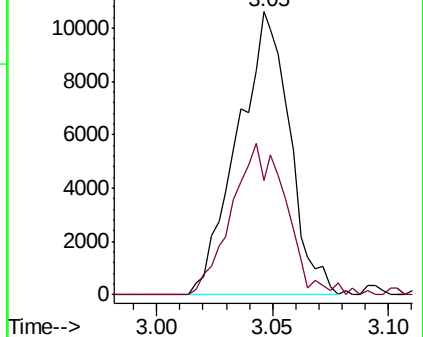
41 100

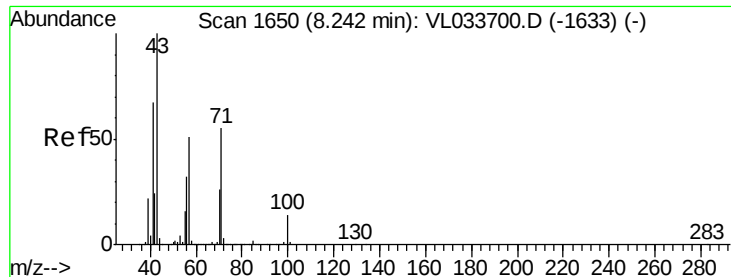
42 56.7 56.1 84.1



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

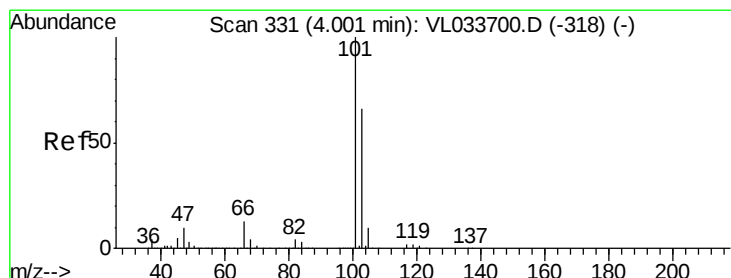
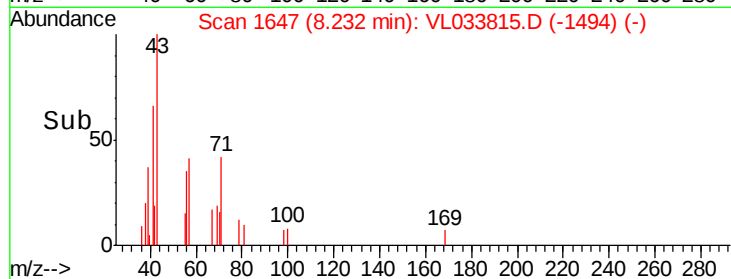
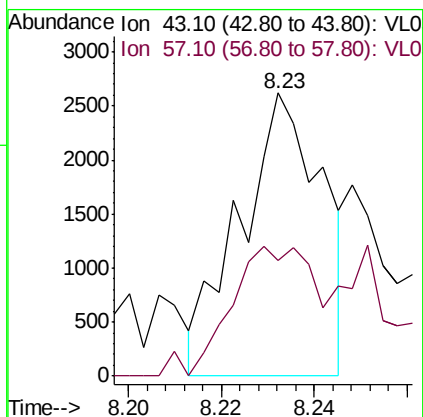
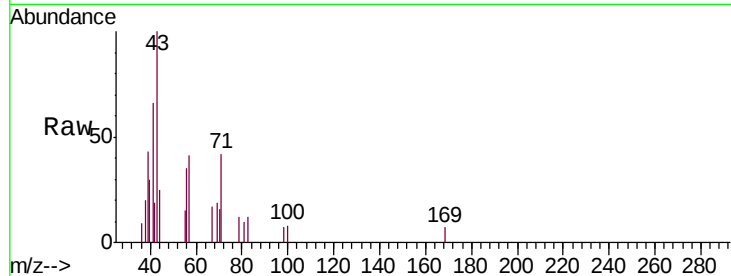




#10
 Heptane
 Concen: 0.036 ppbv
 RT: 8.23 min Scan# 1647
 Delta R.T. -0.01 min
 Lab File: VL033815.D
 Acq: 28 May 2019 23:12

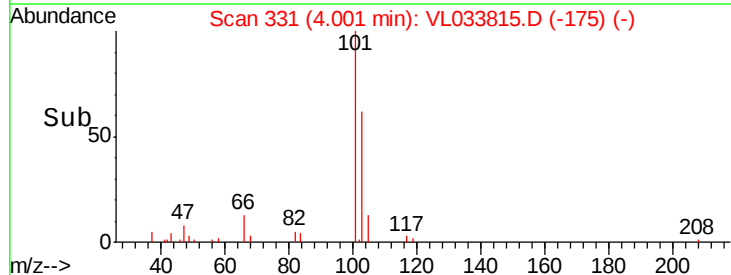
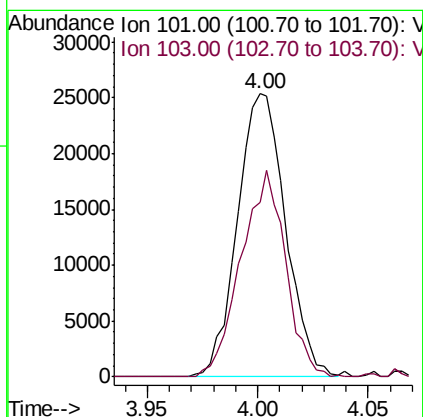
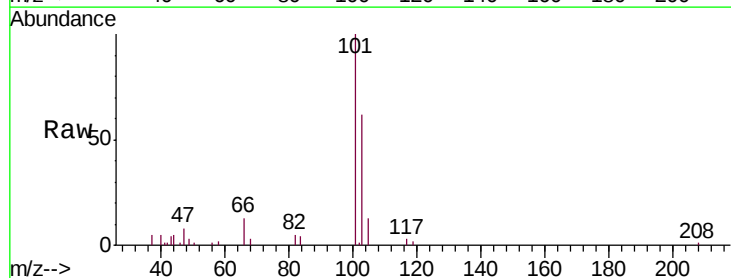
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3004-04

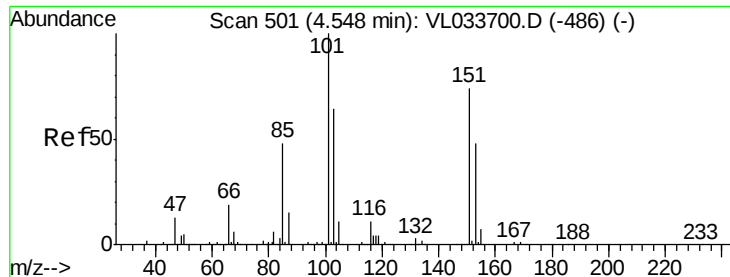
Tgt Ion: 43 Resp: 3230
 Ion Ratio Lower Upper
 43 100
 57 0.0 41.4 62.0#



#11
 Trichlorofluoromethane
 Concen: 0.293 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VL033815.D
 Acq: 28 May 2019 23:12

Tgt Ion: 101 Resp: 38405
 Ion Ratio Lower Upper
 101 100
 103 61.8 52.6 78.8

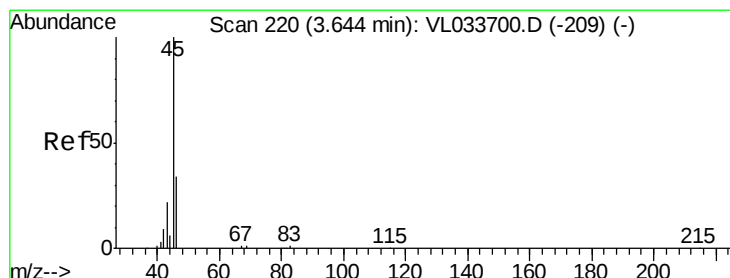
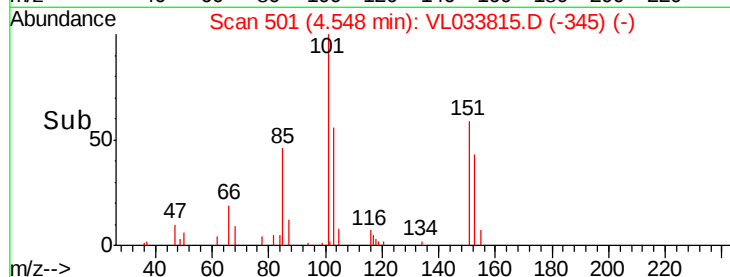
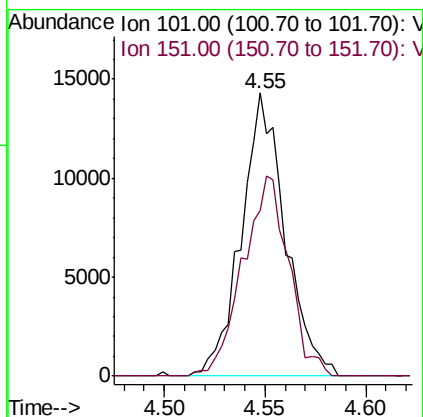
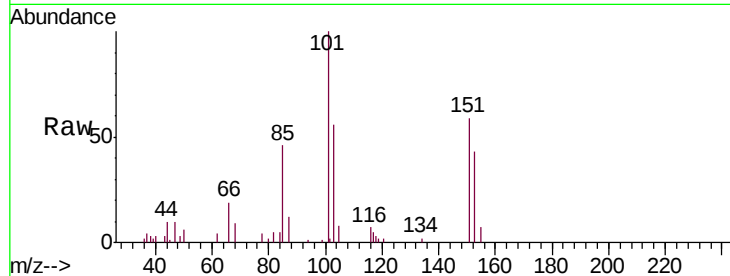




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.238 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VL033815.D
 Acq: 28 May 2019 23:12

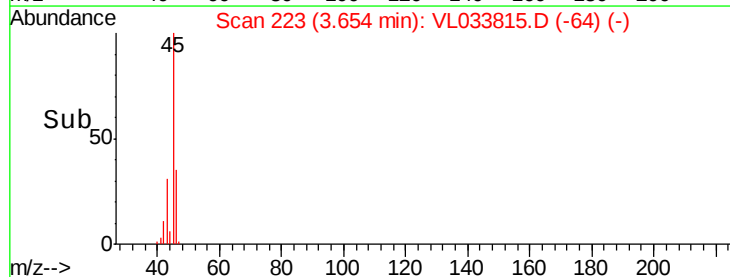
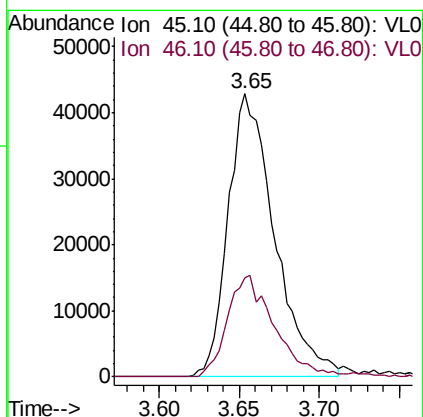
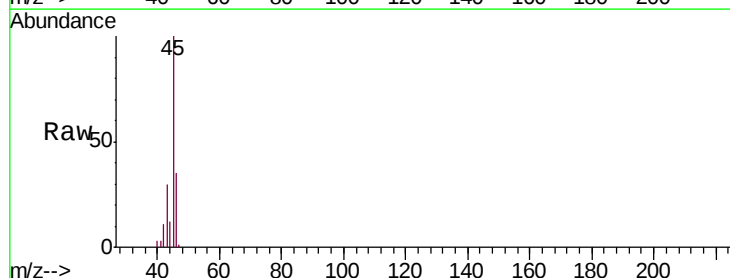
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3004-04

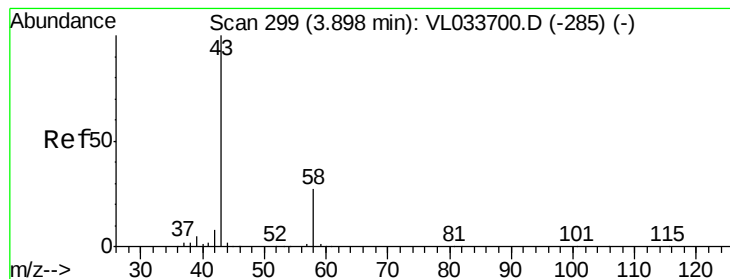
Tgt Ion: 101 Resp: 21784
 Ion Ratio Lower Upper
 101 100
 151 73.8 58.2 87.4



#13
 Ethanol
 Concen: 8.322 ppbv
 RT: 3.65 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VL033815.D
 Acq: 28 May 2019 23:12

Tgt Ion: 45 Resp: 85329
 Ion Ratio Lower Upper
 45 100
 46 36.8 14.8 59.0





#15

Acetone

Concen: 5.917 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.00 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

Instrument :

MSVOA_L

ClientSampleId :

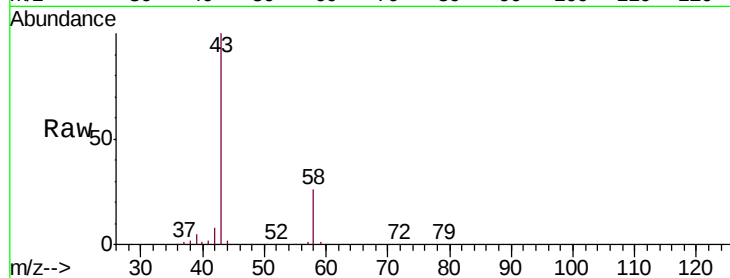
BPS1-ODA-3004-04

Tgt Ion: 43 Resp: 534512

Ion Ratio Lower Upper

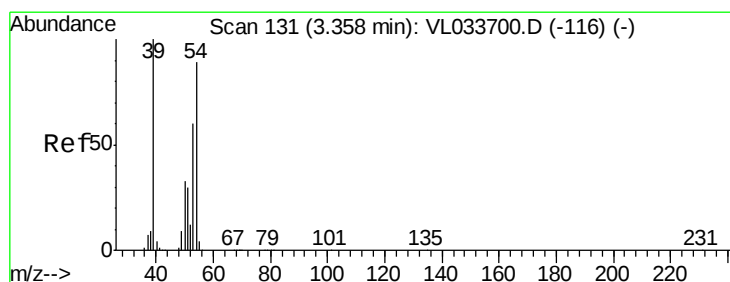
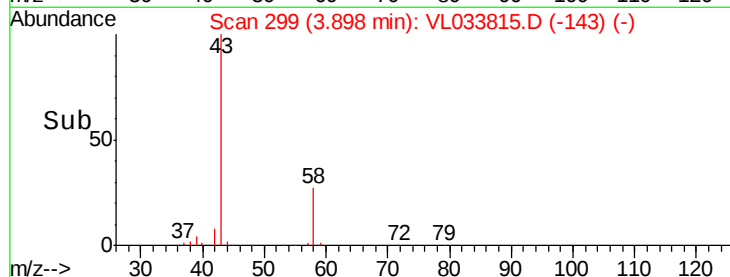
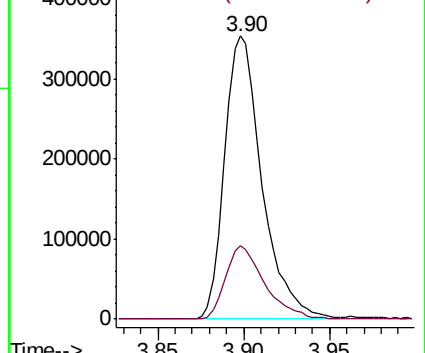
43 100

58 27.4 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.112 ppbv

RT: 3.34 min Scan# 125

Delta R.T. -0.02 min

Lab File: VL033815.D

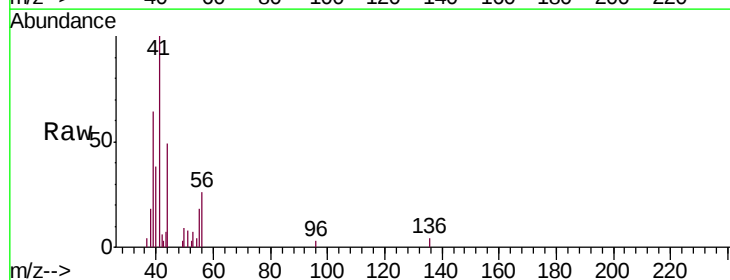
Acq: 28 May 2019 23:12

Tgt Ion: 39 Resp: 4026

Ion Ratio Lower Upper

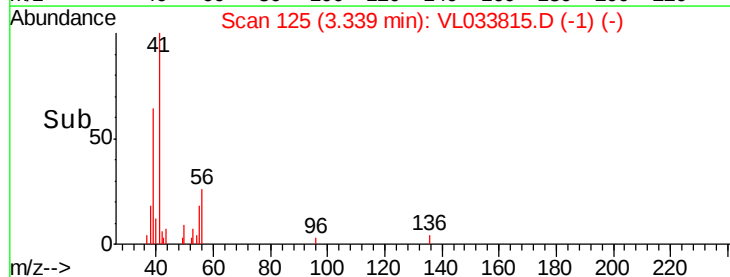
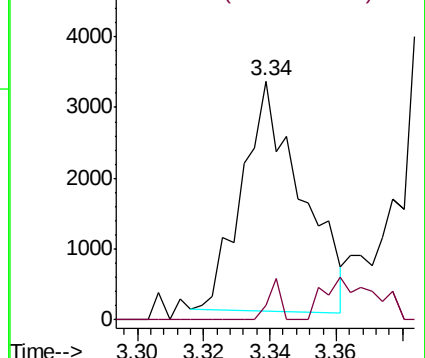
39 100

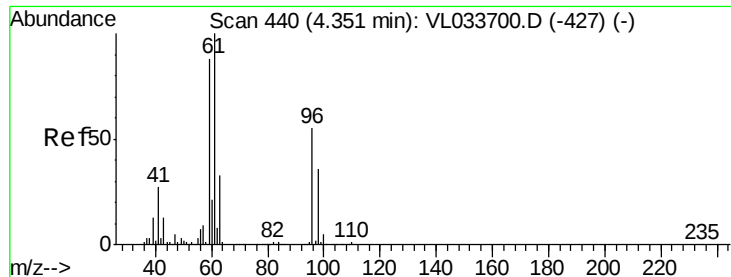
54 19.7 69.0 103.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

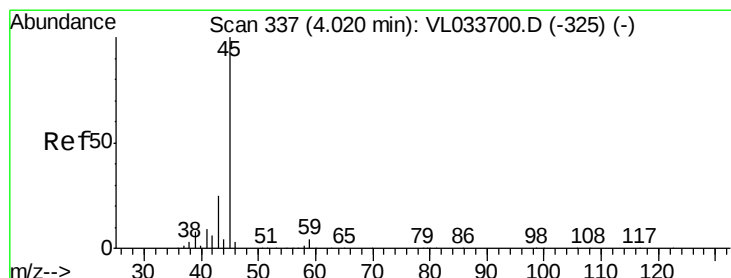
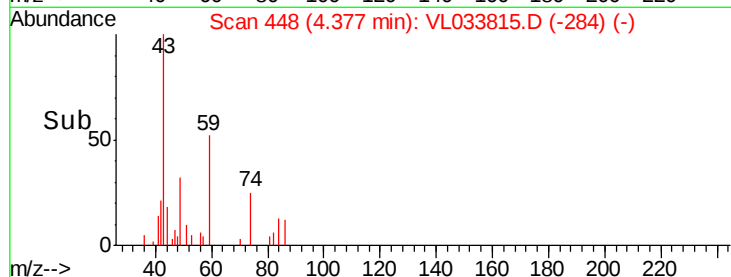
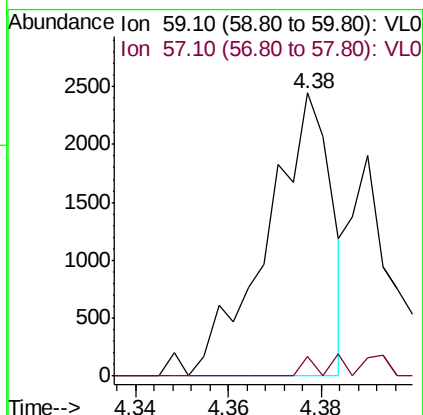
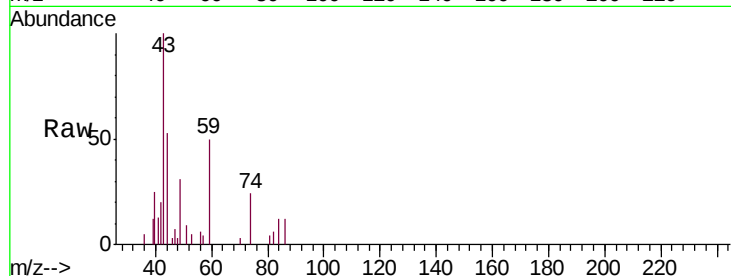




#17
 tert-Butyl alcohol
 Concen: 0.032 ppbv
 RT: 4.38 min Scan# 448
 Delta R.T. 0.03 min
 Lab File: VL033815.D
 Acq: 28 May 2019 23:12

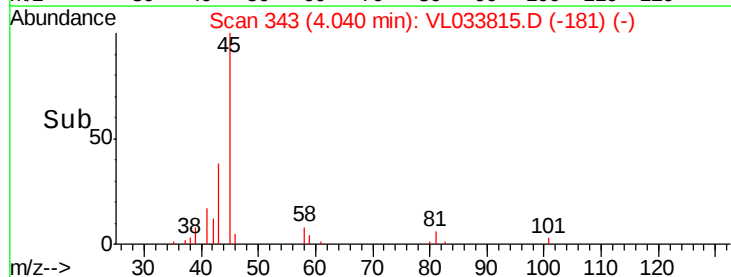
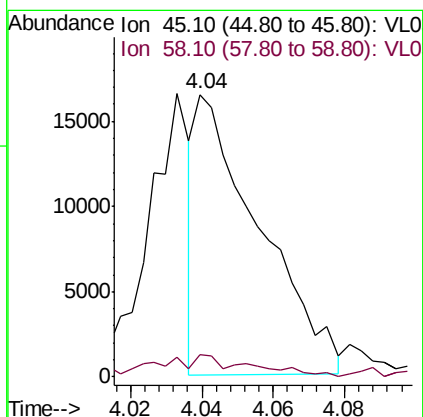
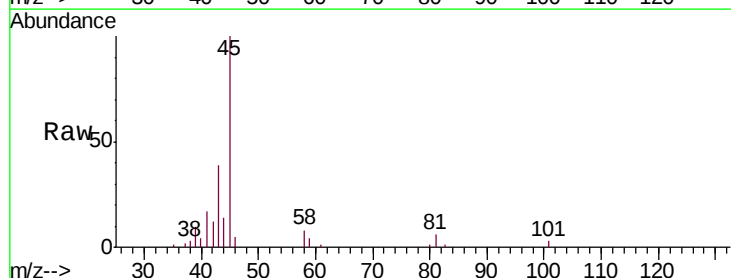
Instrument :
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 ClientSampleId :
 BPS1-ODA-3004-04

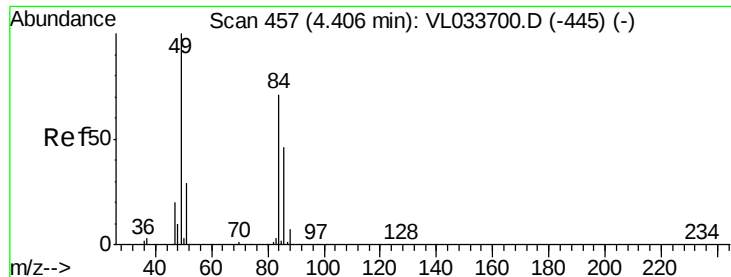
Tgt Ion: 59 Resp: 2352
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#



#19
 Isopropyl Alcohol
 Concen: 0.350 ppbv
 RT: 4.04 min Scan# 343
 Delta R.T. 0.02 min
 Lab File: VL033815.D
 Acq: 28 May 2019 23:12

Tgt Ion: 45 Resp: 20372
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.6 2.4#

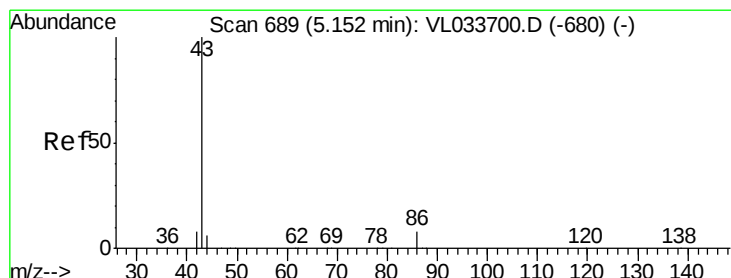
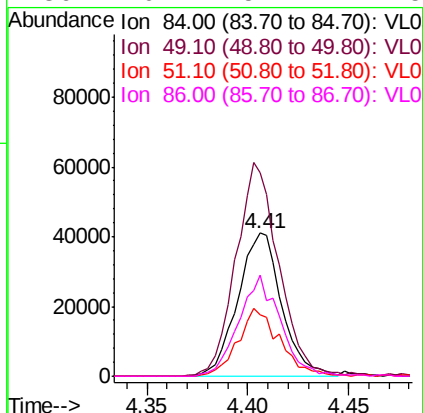
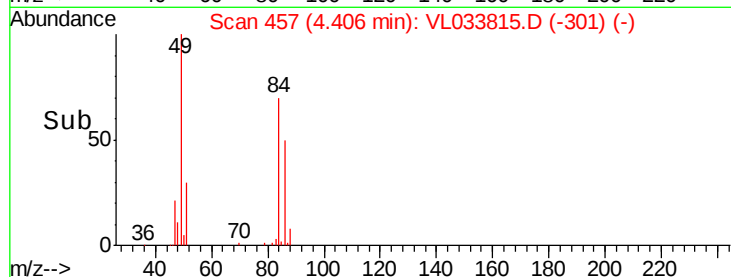
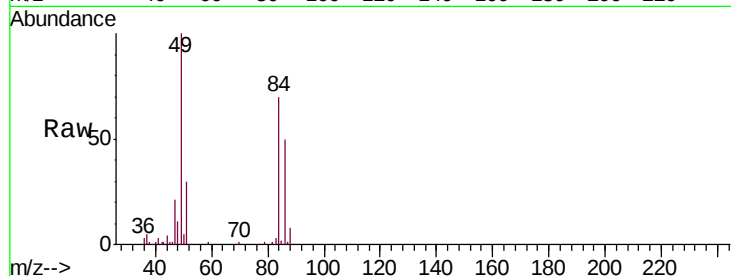




#20
Methylene Chloride
Concen: 1.803 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033815.D
Acq: 28 May 2019 23:12

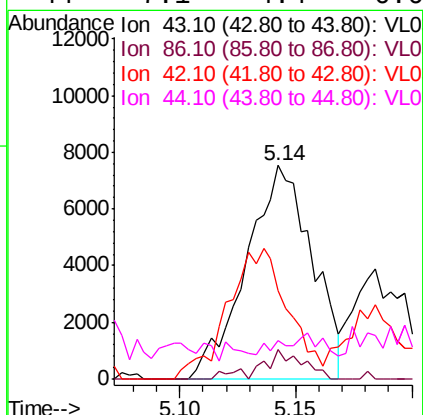
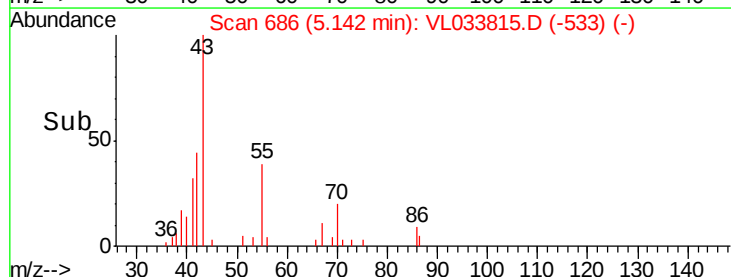
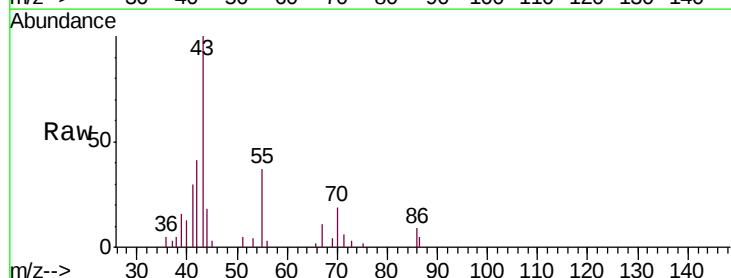
Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3004-04

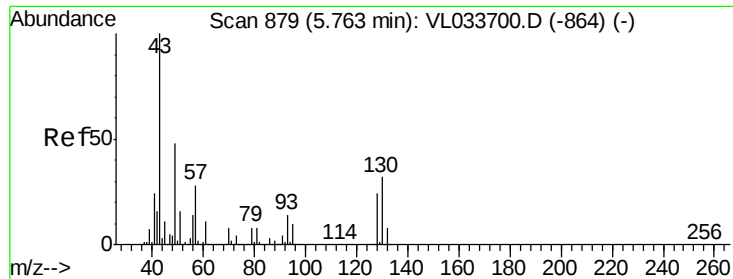
Tgt Ion:	84	Resp:	62721
Ion	Ratio	Lower	Upper
84	100		
49	141.2	112.8	169.2
51	43.1	33.4	50.0
86	70.4	51.7	77.5



#23
Vinyl Acetate
Concen: 0.125 ppbv
RT: 5.14 min Scan# 686
Delta R.T. -0.01 min
Lab File: VL033815.D
Acq: 28 May 2019 23:12

Tgt Ion:	43	Resp:	14849
Ion	Ratio	Lower	Upper
43	100		
86	13.5	6.0	9.0#
42	34.0	7.5	11.3#
44	7.1	4.4	6.6#

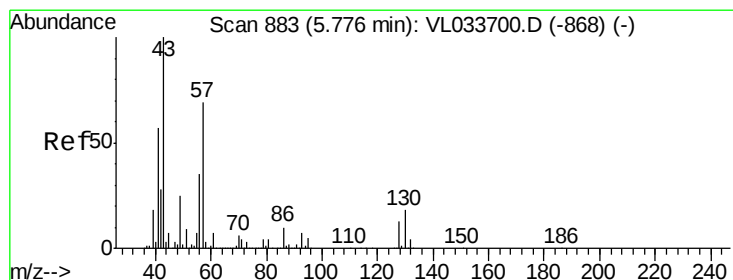
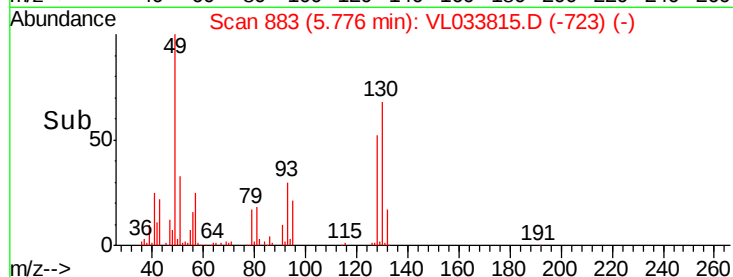
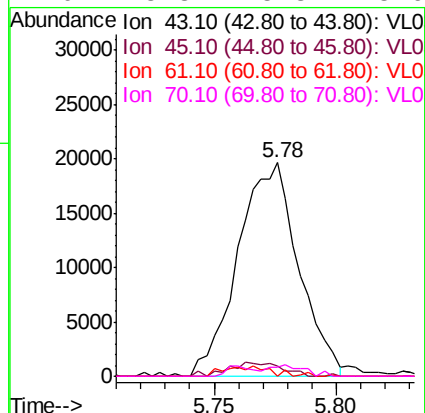
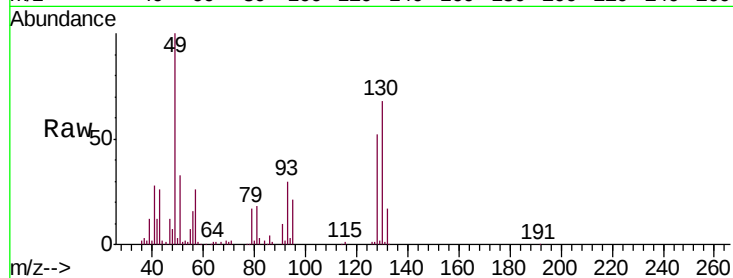




#25
Ethyl Acetate
Concen: 0.212 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033815.D
Acq: 28 May 2019 23:12

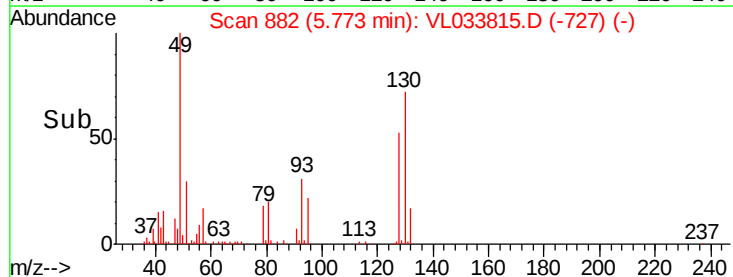
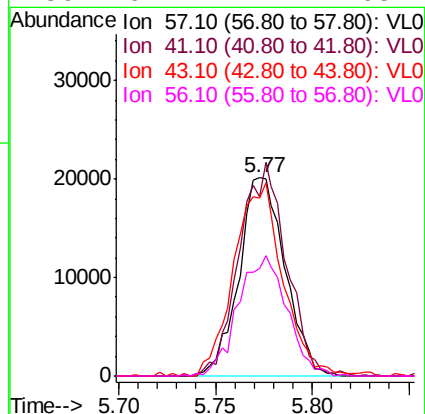
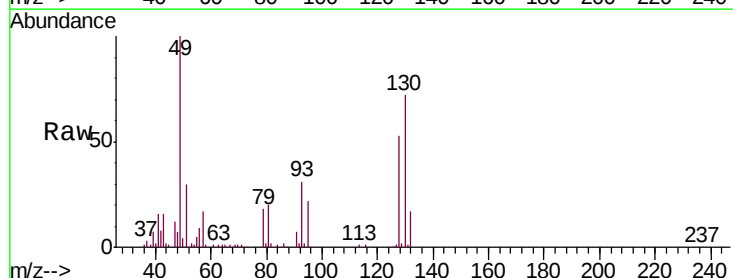
Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3004-04

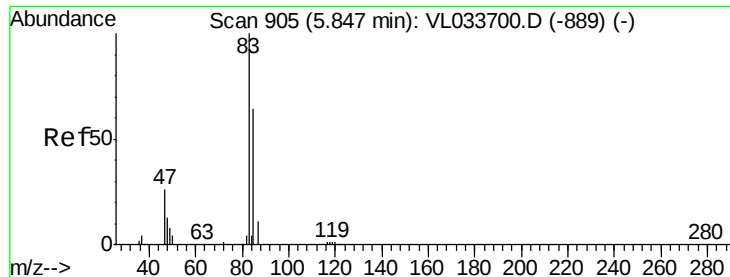
Tgt Ion:	43	Resp:	33715
Ion	Ratio	Lower	Upper
43	100		
45	5.8	7.9	11.9#
61	3.8	7.7	11.5#
70	5.3	5.8	8.6#



#26
Hexane
Concen: 0.490 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033815.D
Acq: 28 May 2019 23:12

Tgt Ion:	57	Resp:	33462
Ion	Ratio	Lower	Upper
57	100		
41	109.7	69.8	104.6#
43	103.9	181.8	272.6#
56	64.2	42.1	63.1#





#29

Chloroform

Concen: 0.021 ppbv

RT: 5.84 min Scan# 903

Delta R.T. -0.01 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

Instrument :

MSVOA_L

ClientSampleId :

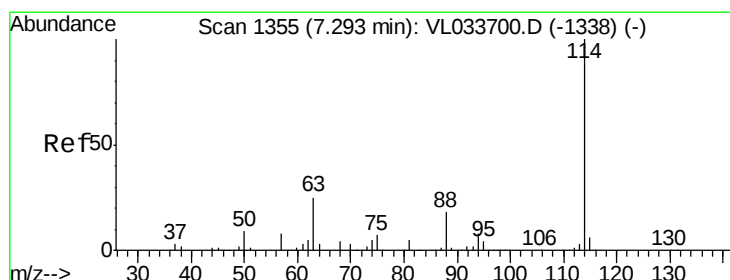
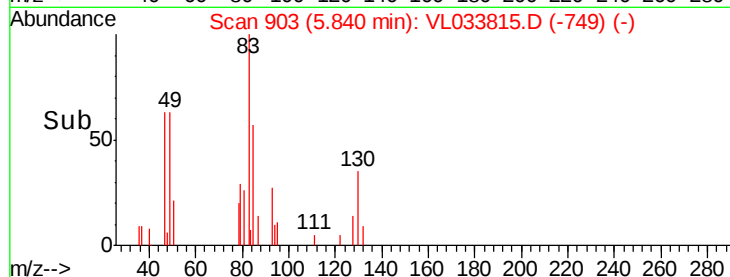
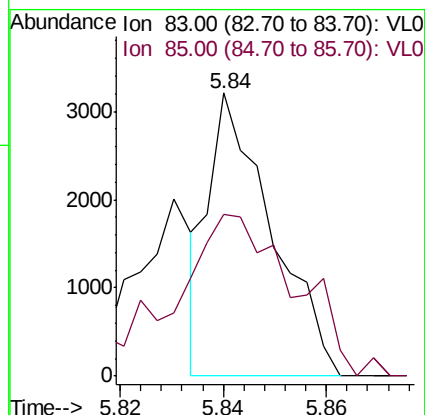
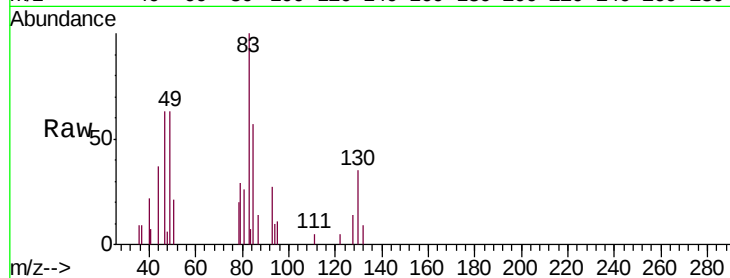
BPS1-ODA-3004-04

Tgt Ion: 83 Resp: 2701

Ion Ratio Lower Upper

83 100

85 44.7 51.5 77.3#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

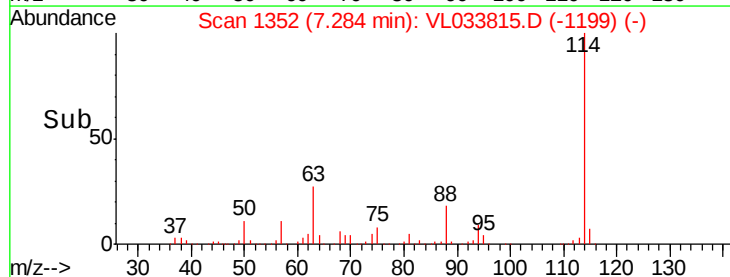
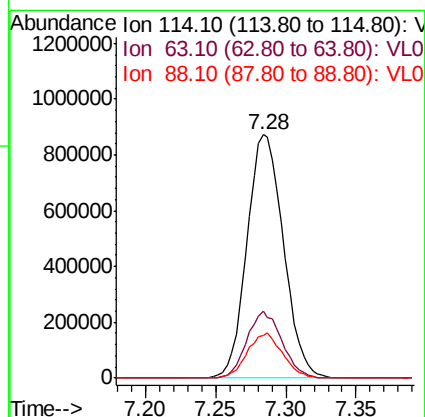
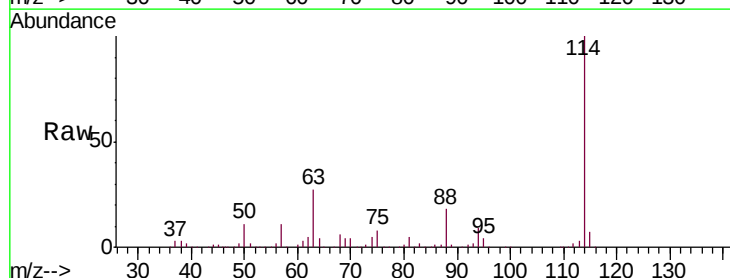
Tgt Ion: 114 Resp: 1581680

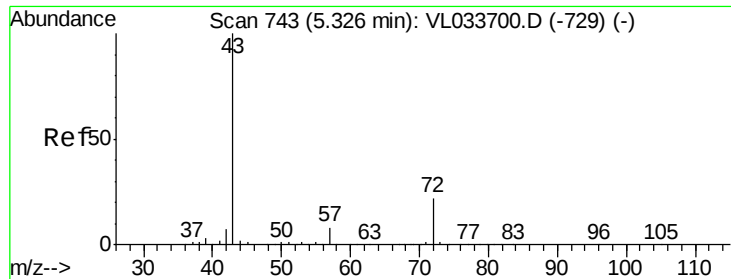
Ion Ratio Lower Upper

114 100

63 26.6 20.9 31.3

88 17.8 14.3 21.5





#34

2-Butanone

Concen: 0.343 ppbv

RT: 5.33 min Scan# 743

Delta R.T. 0.00 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

Instrument :

MSVOA_L

ClientSampleId :

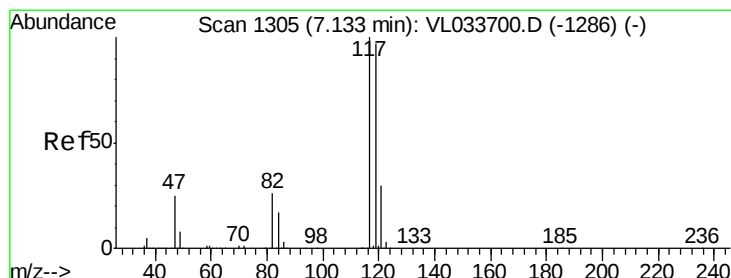
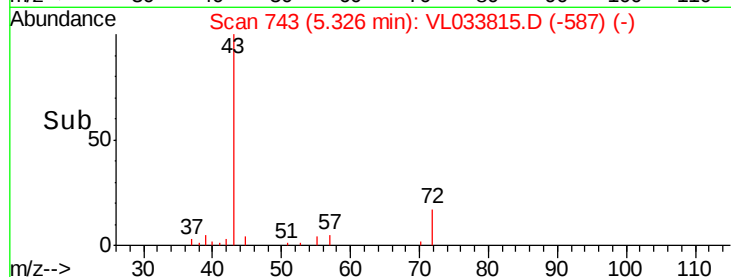
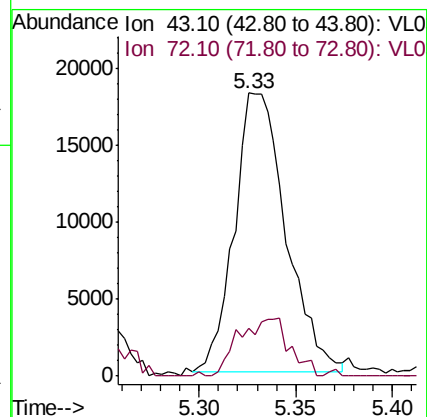
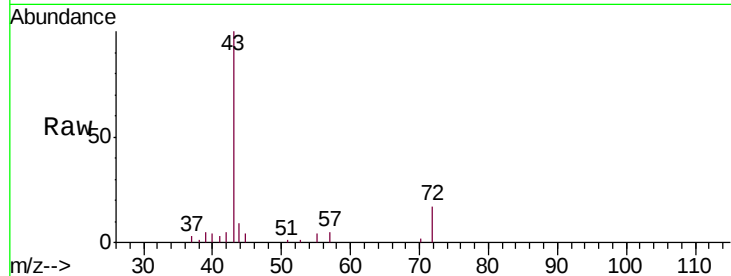
BPS1-ODA-3004-04

Tgt Ion: 43 Resp: 33667

Ion Ratio Lower Upper

43 100

72 20.8 17.8 26.6



#35

Carbon Tetrachloride

Concen: 0.042 ppbv

RT: 7.13 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

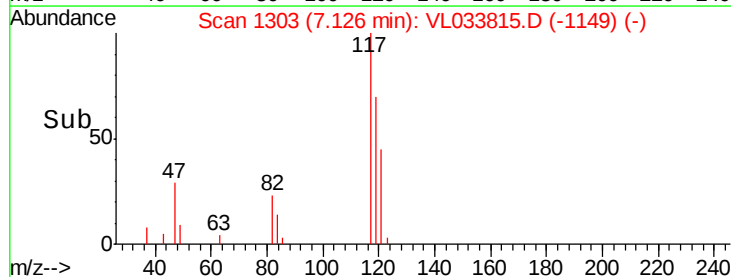
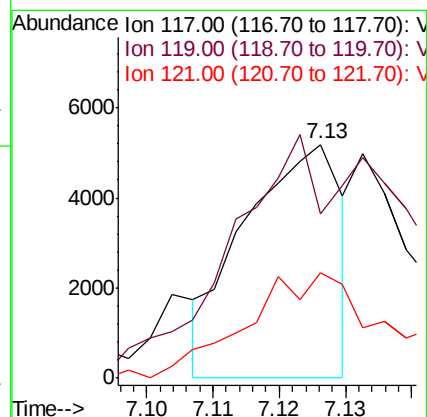
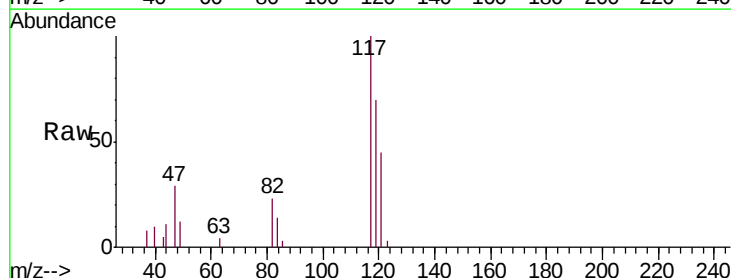
Tgt Ion: 117 Resp: 5300

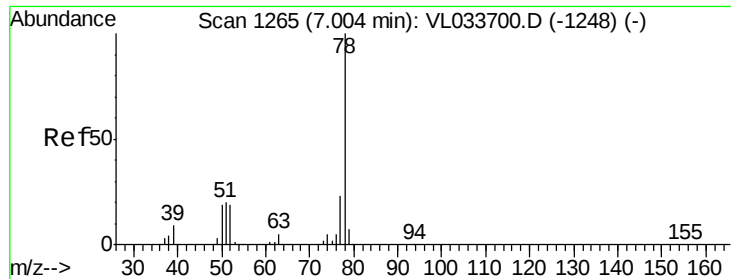
Ion Ratio Lower Upper

117 100

119 68.3 77.2 115.8#

121 49.2 24.1 36.1#





#36

Benzene

Concen: 0.063 ppbv

RT: 6.99 min Scan# 1262

Delta R.T. -0.01 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3004-04

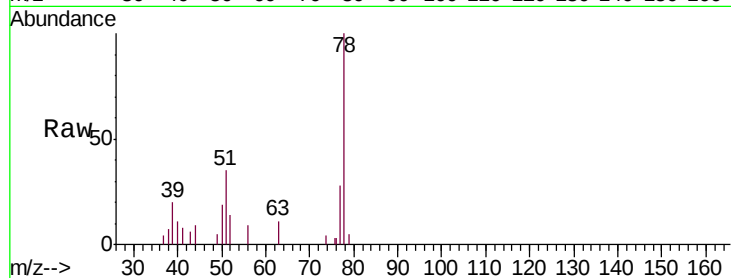
Tgt Ion: 78 Resp: 9004

Ion Ratio Lower Upper

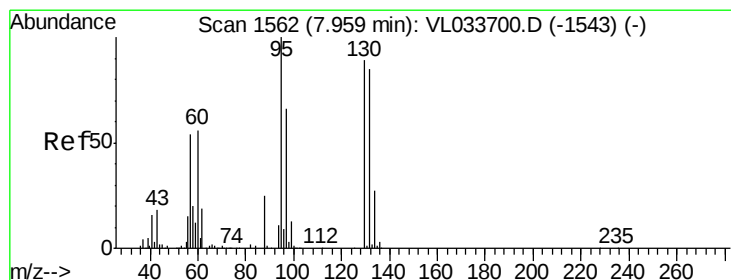
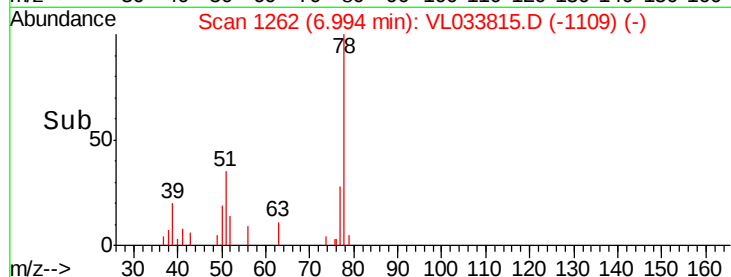
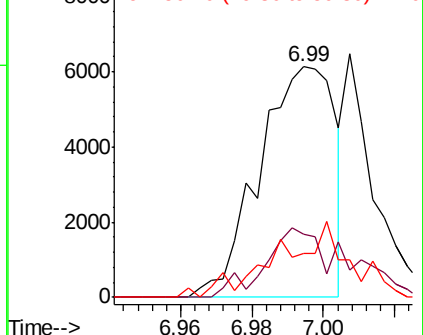
78 100

77 27.6 18.4 27.6

50 15.2 15.5 23.3#



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



#38

Trichloroethene

Concen: 0.036 ppbv

RT: 7.95 min Scan# 1559

Delta R.T. -0.01 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

Tgt Ion: 130 Resp: 1906

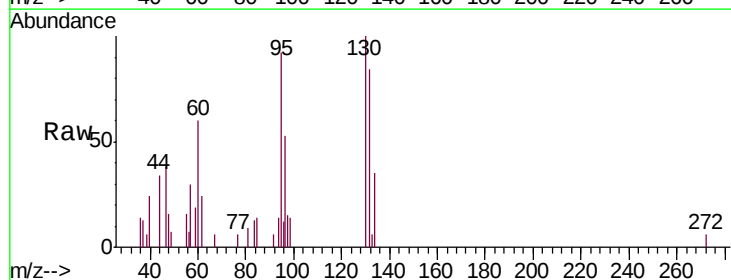
Ion Ratio Lower Upper

130 100

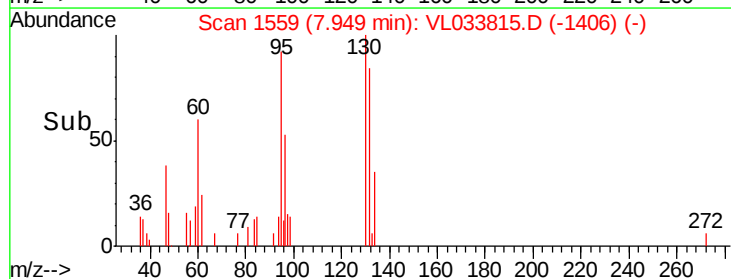
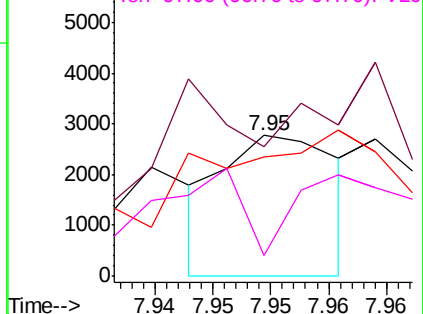
95 0.0 90.2 135.4#

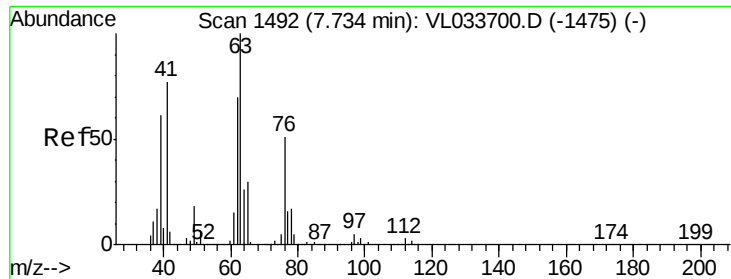
132 9.0 76.4 114.6#

97 0.0 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: 7.830 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.45 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3004-04

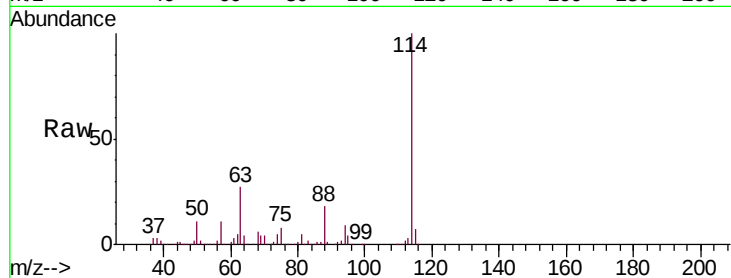
Tgt Ion: 63 Resp: 419996

Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

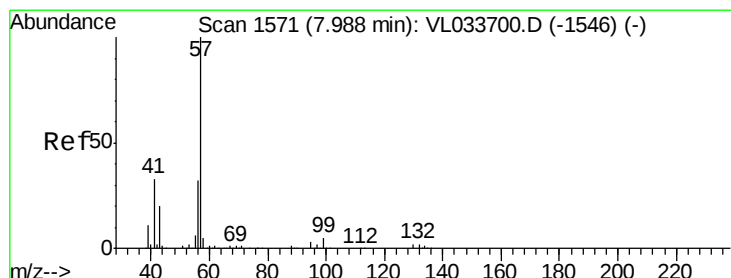
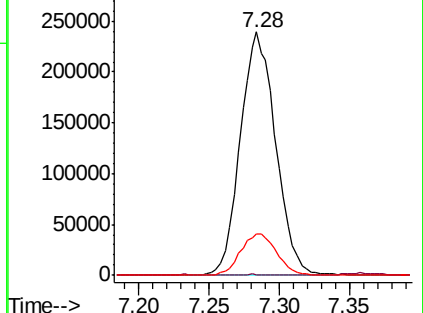
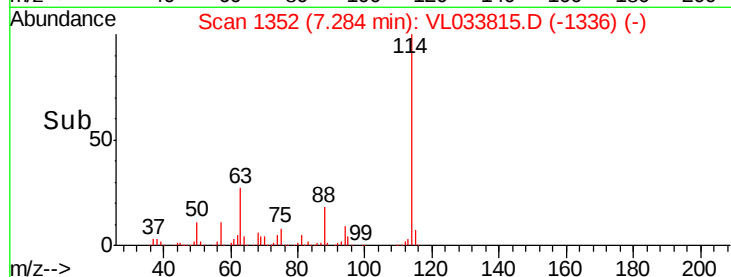
62 16.9 56.2 84.4#



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



#44

2,2,4-Trimethylpentane

Concen: 0.041 ppbv

RT: 7.98 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

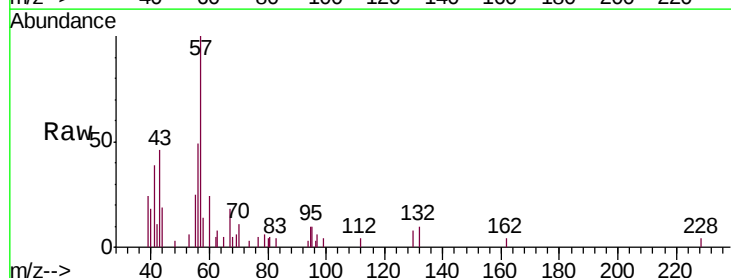
Tgt Ion: 57 Resp: 9919

Ion Ratio Lower Upper

57 100

41 74.0 25.4 38.0#

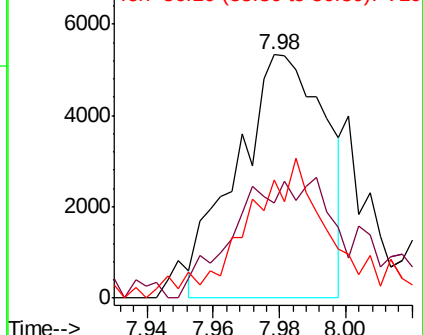
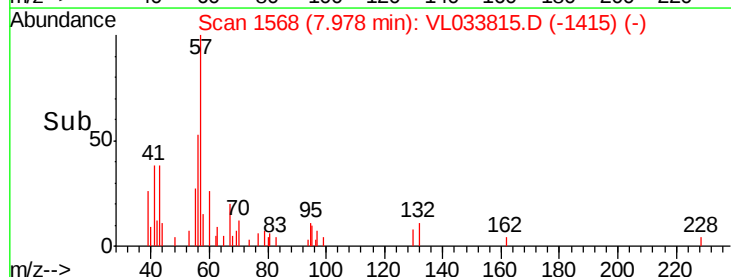
56 55.3 24.7 37.1#

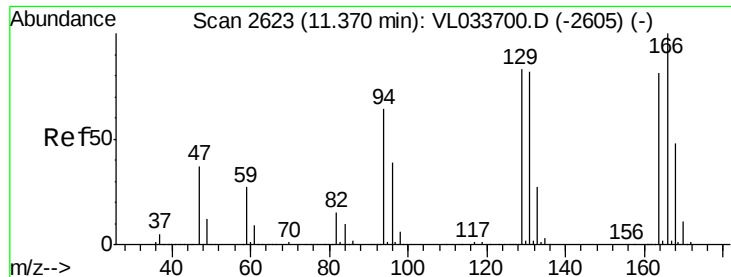


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#52

Tetrachloroethene

Concen: 0.026 ppbv

RT: 11.36 min Scan# 2620

Delta R.T. -0.01 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3004-04

Tgt Ion:164 Resp: 1309

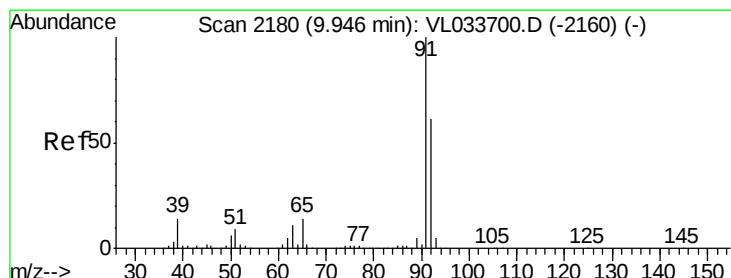
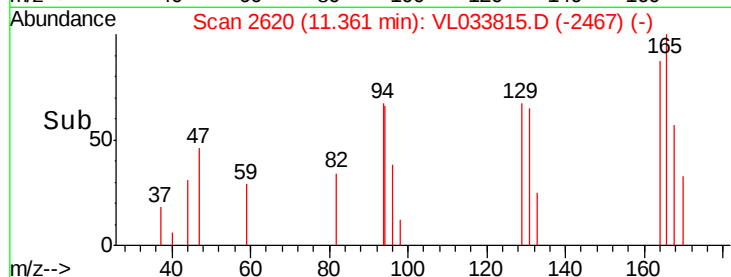
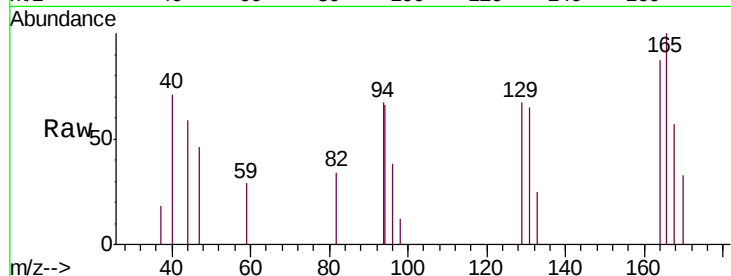
Ion Ratio Lower Upper

164 100

166 68.8 98.9 148.3#

129 38.5 81.8 122.6#

131 28.8 81.1 121.7#



#53

Toluene

Concen: 3.683 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033815.D

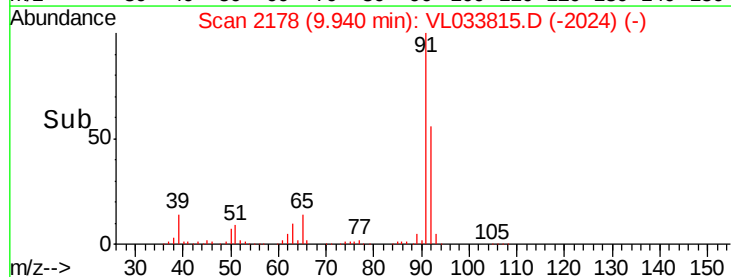
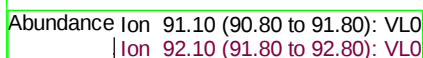
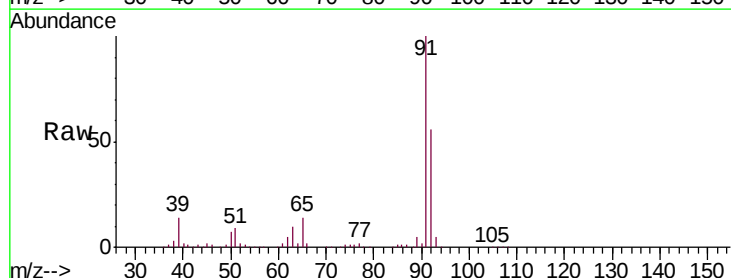
Acq: 28 May 2019 23:12

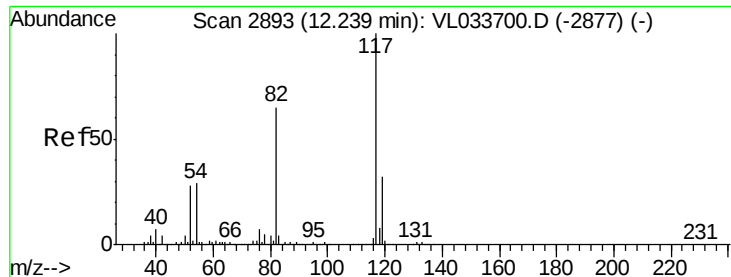
Tgt Ion: 91 Resp: 571516

Ion Ratio Lower Upper

91 100

92 59.5 47.6 71.4

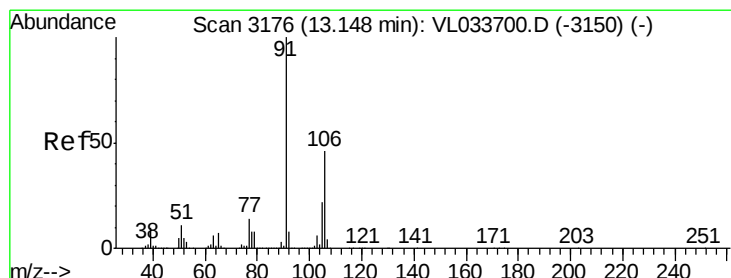
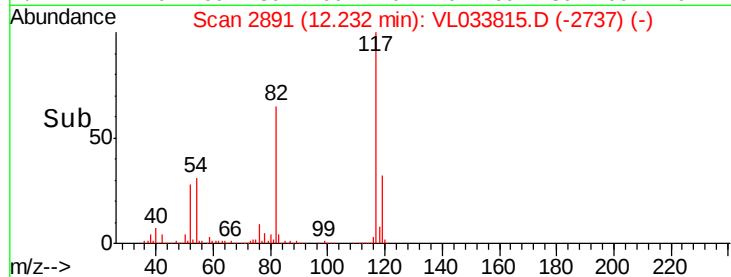
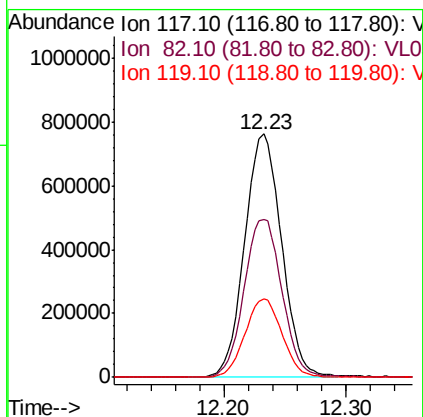
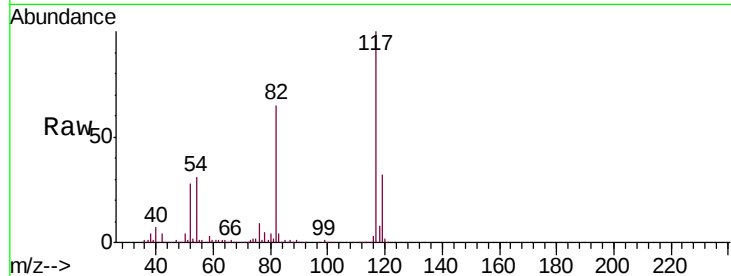




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033815.D
Acq: 28 May 2019 23:12

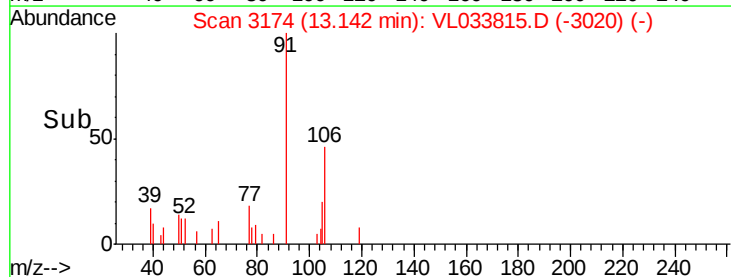
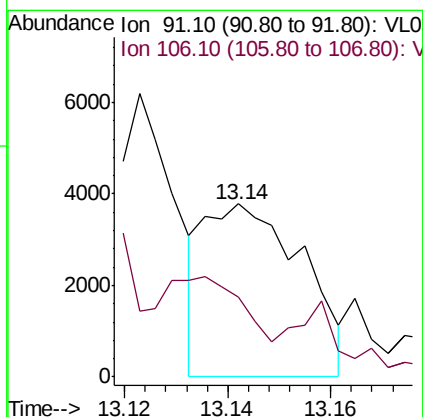
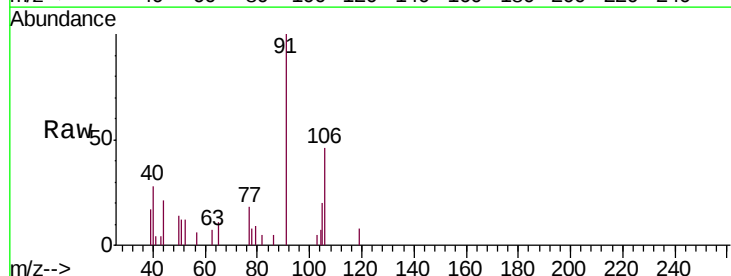
Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3004-04

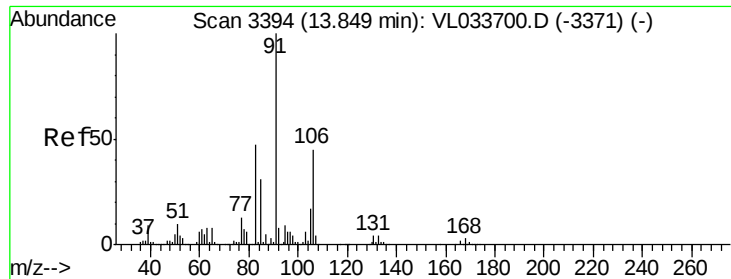
Tgt Ion: 117 Resp: 1596216
Ion Ratio Lower Upper
117 100
82 66.7 49.4 74.0
119 32.7 24.9 37.3



#59
m/p-Xylene
Concen: 0.027 ppbv
RT: 13.14 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL033815.D
Acq: 28 May 2019 23:12

Tgt Ion: 91 Resp: 5007
Ion Ratio Lower Upper
91 100
106 0.0 35.8 53.6#

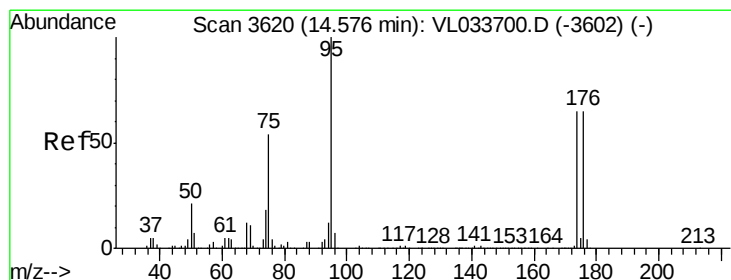
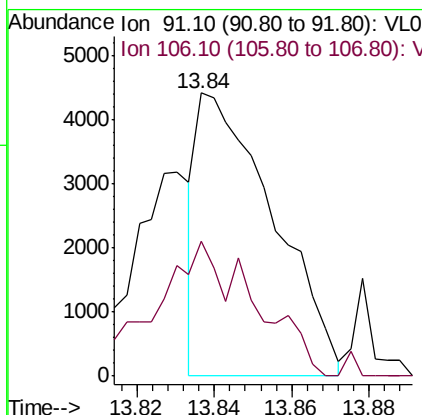
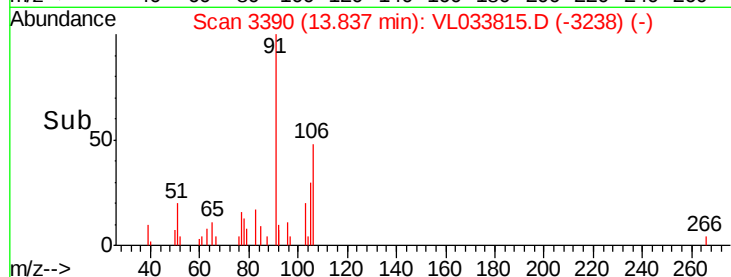
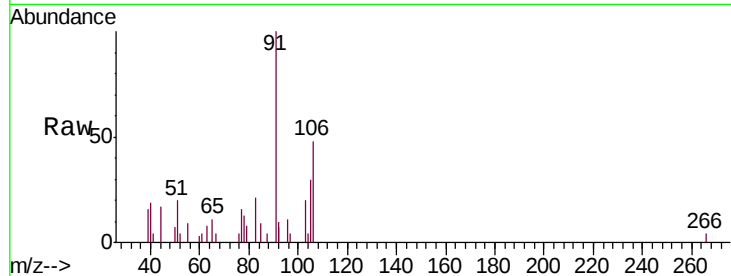




#60
o-Xylene
Concen: 0.032 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033815.D
Acq: 28 May 2019 23:12

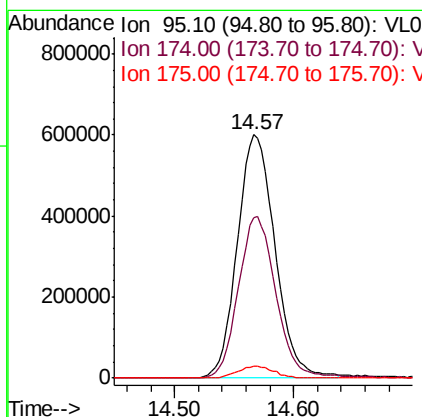
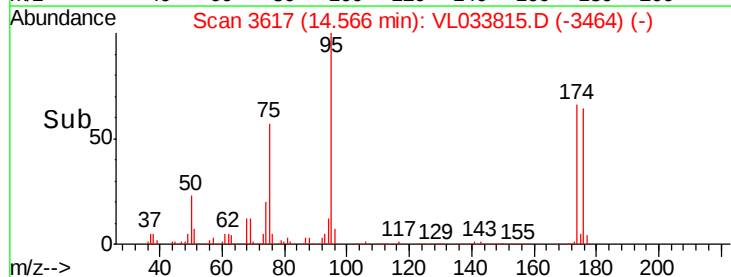
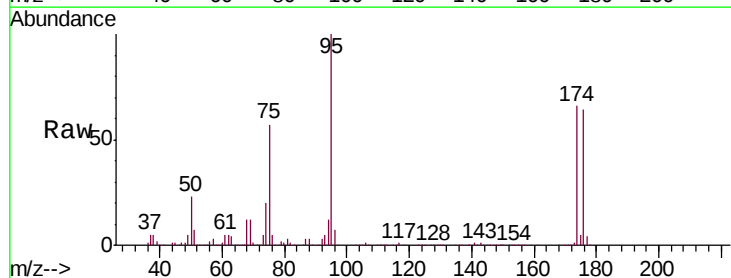
Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3004-04

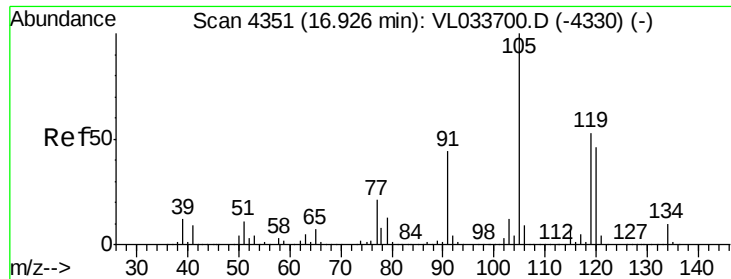
Tgt Ion: 91 Resp: 6041
Ion Ratio Lower Upper
91 100
106 62.2 21.6 64.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.197 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033815.D
Acq: 28 May 2019 23:12

Tgt Ion: 95 Resp: 1319478
Ion Ratio Lower Upper
95 100
174 67.0 53.9 80.9
175 4.8 3.8 5.8





#74

1,2,4-Trimethylbenzene

Concen: 0.042 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3004-04

Tgt Ion:105 Resp: 9480

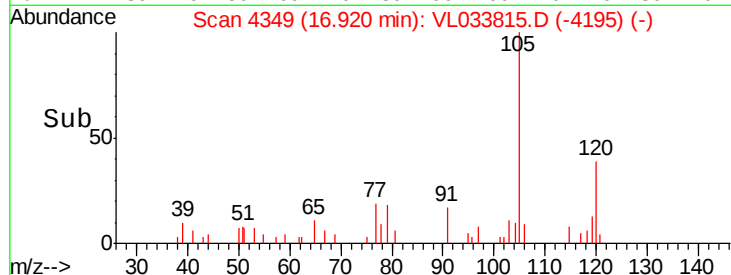
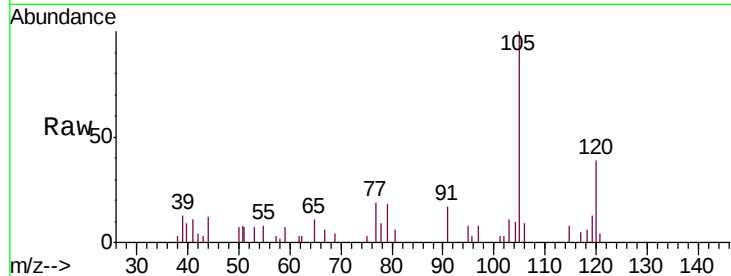
Ion Ratio Lower Upper

105 100

120 44.0 36.8 55.2

91 12.8 35.4 53.0#

77 19.8 16.8 25.2

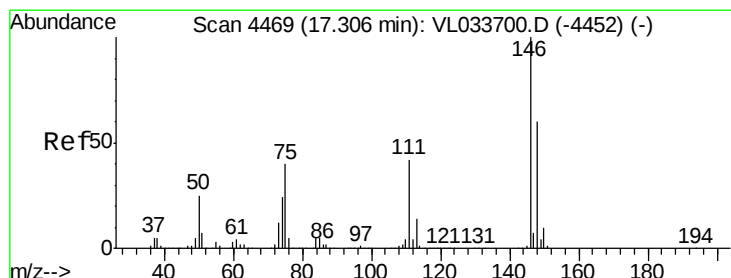
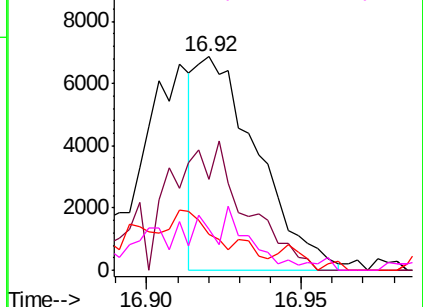


Abundance Ion 105.10 (104.80 to 105.80): V

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



#76

1,4-Dichlorobenzene

Concen: 0.012 ppbv

RT: 17.30 min Scan# 4467

Delta R.T. -0.01 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

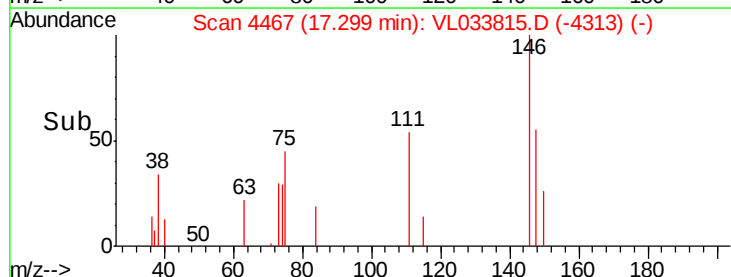
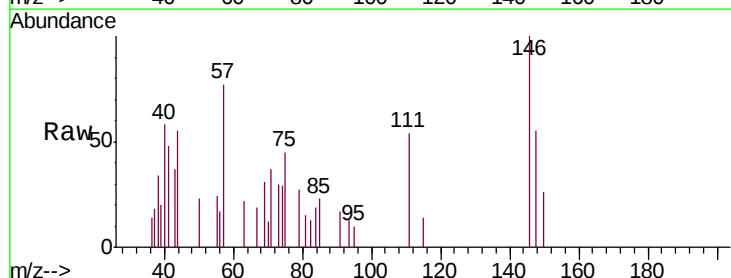
Tgt Ion:146 Resp: 1516

Ion Ratio Lower Upper

146 100

111 53.0 21.9 65.8

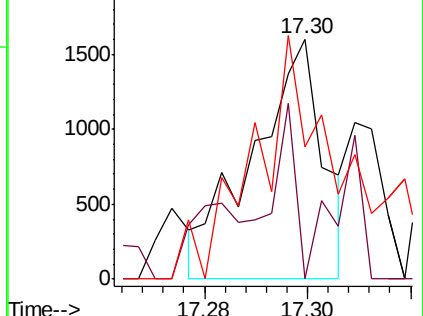
148 136.5 32.1 96.3#

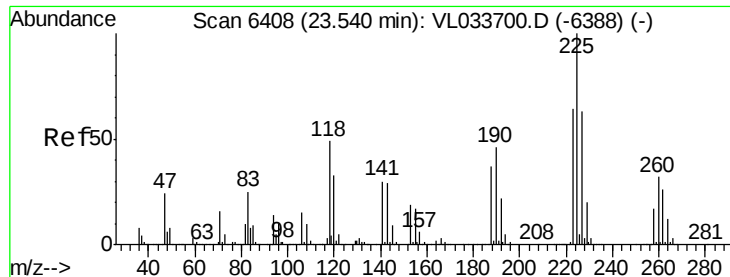


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#78

Hexachloro-1,3-Butadiene

Concen: 0.010 ppbv

RT: 23.53 min Scan# 6404

Delta R.T. -0.01 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3004-04

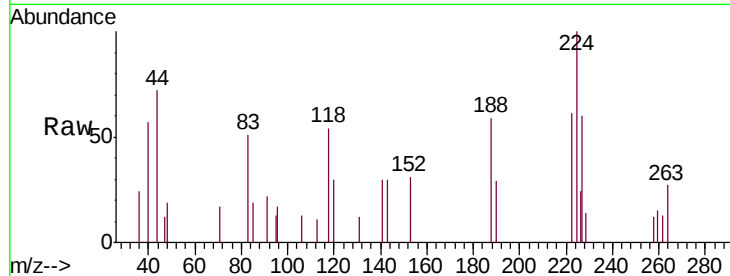
Tgt Ion: 225 Resp: 1025

Ion Ratio Lower Upper

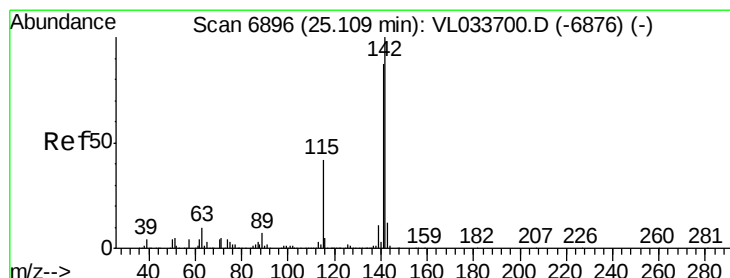
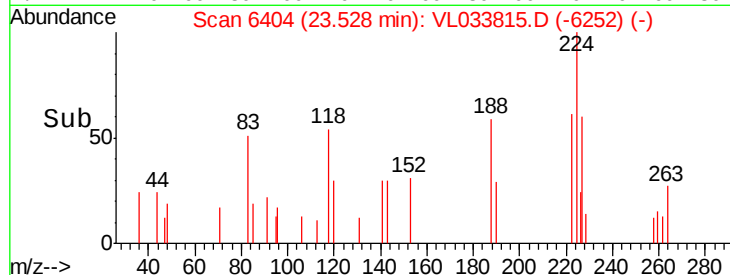
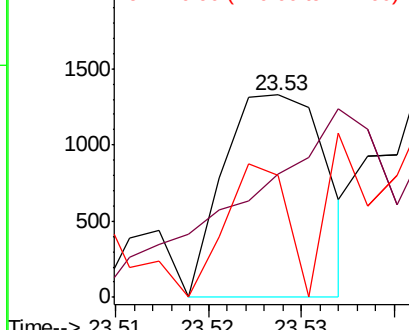
225 100

223 190.8 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: 0.023 ppbv

RT: 25.10 min Scan# 6893

Delta R.T. -0.01 min

Lab File: VL033815.D

Acq: 28 May 2019 23:12

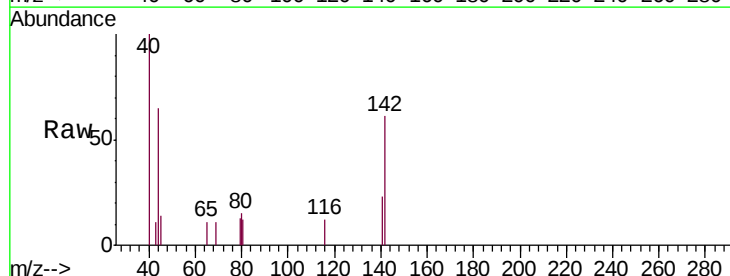
Tgt Ion: 142 Resp: 1802

Ion Ratio Lower Upper

142 100

141 87.9 67.2 100.8

115 40.8 34.1 51.1



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

