

Data File : VL033824.D
Acq On : 29 May 2019 5:05
Operator : SY/AP
Sample : K2960-06 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-25

Quant Time: May 29 06:55:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 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	5.76	49	823518	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1955976	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1754965	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.57 95 1460902 10.27 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 102.70%

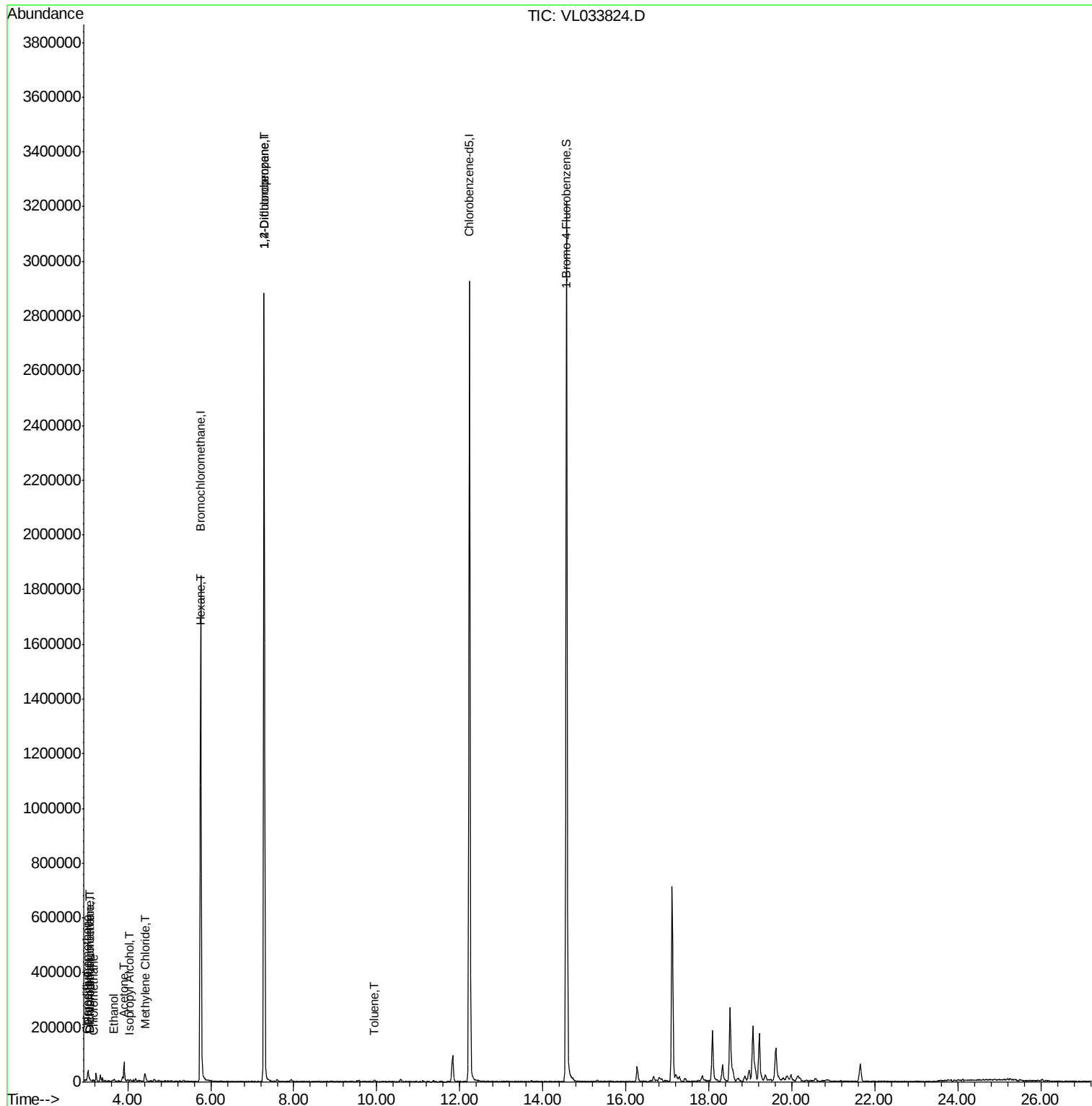
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	7991	0.046	ppbv	99
3) Chlorodifluoromethane	3.01	51	6101	0.065	ppbv #	90
4) Chloromethane	3.17	50	2281	0.042	ppbv #	86
8) Dichlorotetrafluoroethane	3.08	85	7991	0.057	ppbv #	16
9) Propene	3.05	41	11848	0.295	ppbv	88
13) Ethanol	3.65	45	1993	0.154	ppbv #	38
15) Acetone	3.90	43	73741	0.645	ppbv	96
19) Isopropyl Alcohol	4.04	45	1053	0.014	ppbv #	94
20) Methylene Chloride	4.41	84	5861	0.133	ppbv #	84
26) Hexane	5.77	57	1870	0.022	ppbv #	1
39) 1,2-Dichloropropane	7.28	63	508396	7.664	ppbv #	23
53) Toluene	9.94	91	2536	0.013	ppbv #	23

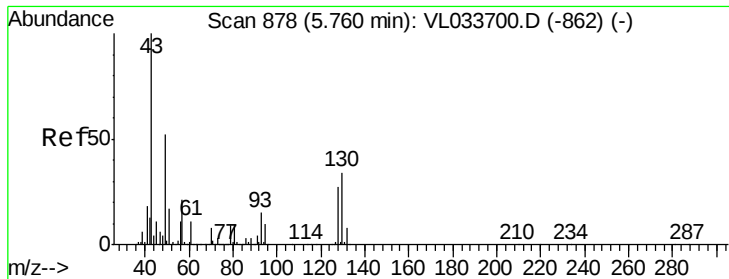
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VL033824.D
Acq On : 29 May 2019 5:05
Operator : SY/AP
Sample : K2960-06 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-25

Quant Time: May 29 06:55:25 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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

Lab File: VL033824.D

Acq: 29 May 2019 5:05

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3009-25

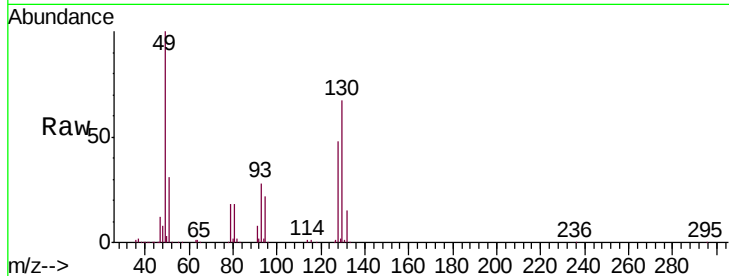
Tgt Ion: 49 Resp: 823518

Ion Ratio Lower Upper

49 100

128 49.7 25.2 75.6

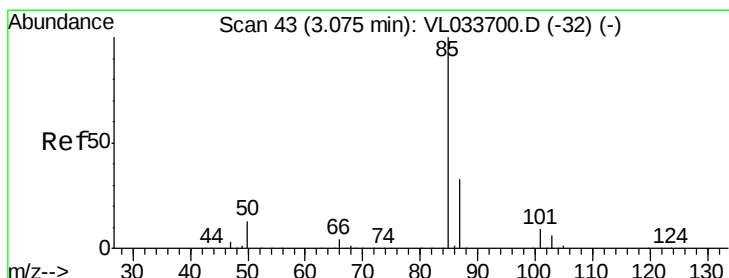
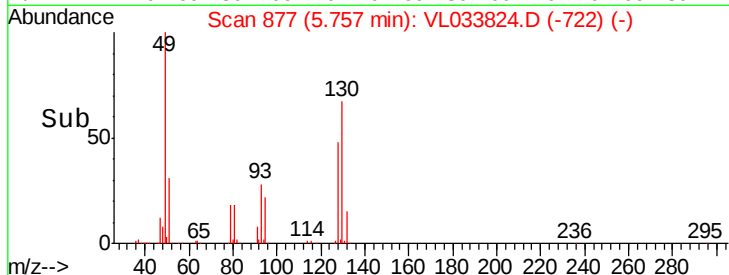
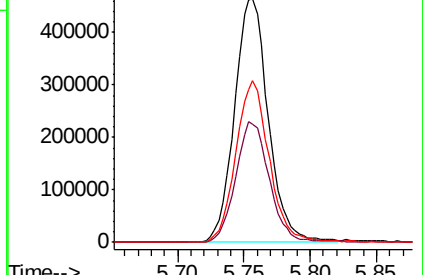
130 65.6 32.5 97.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.046 ppbv

RT: 3.08 min Scan# 43

Delta R.T. 0.00 min

Lab File: VL033824.D

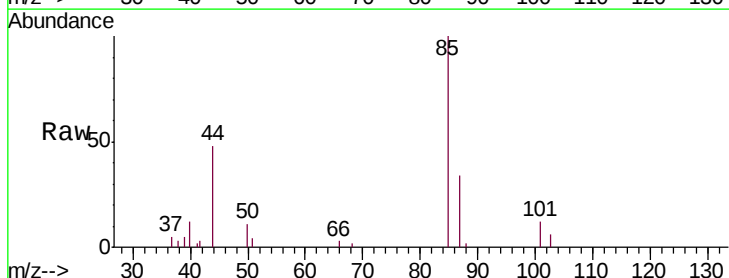
Acq: 29 May 2019 5:05

Tgt Ion: 85 Resp: 7991

Ion Ratio Lower Upper

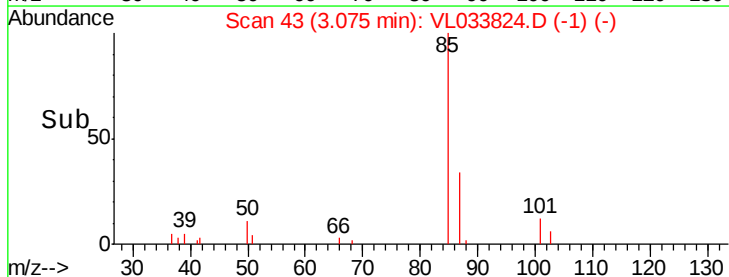
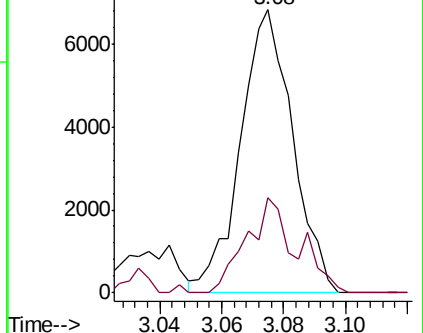
85 100

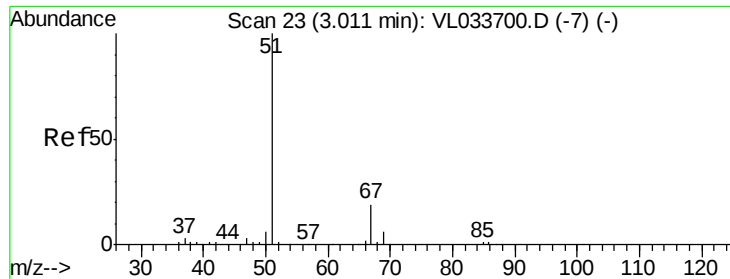
87 33.6 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.065 ppbv

RT: 3.01 min Scan# 23

Delta R.T. 0.00 min

Lab File: VL033824.D

Acq: 29 May 2019 5:05

Instrument :

MSVOA_L

ClientSampleId :

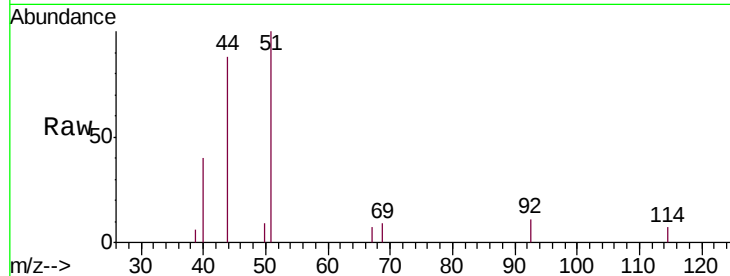
BPS1-SG-3009-25

Tgt Ion: 51 Resp: 6101

Ion Ratio Lower Upper

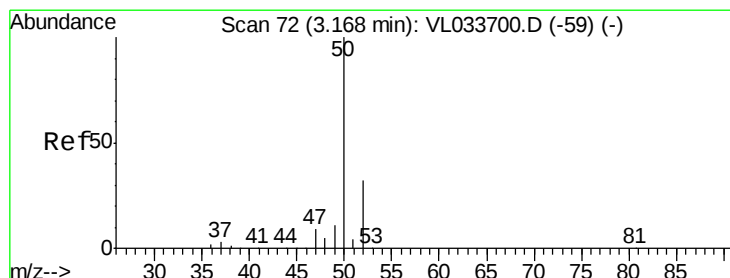
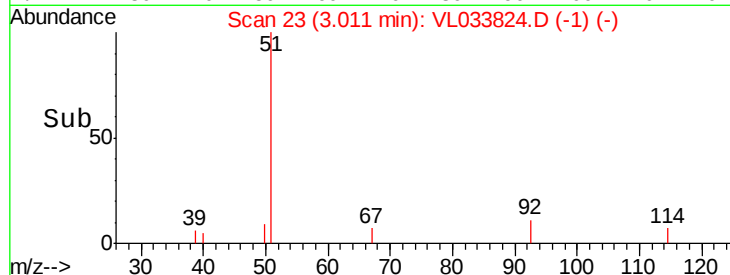
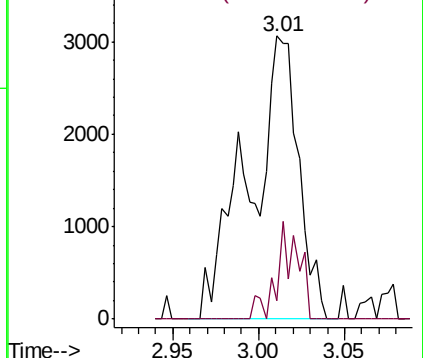
51 100

67 15.1 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: 0.042 ppbv

RT: 3.17 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL033824.D

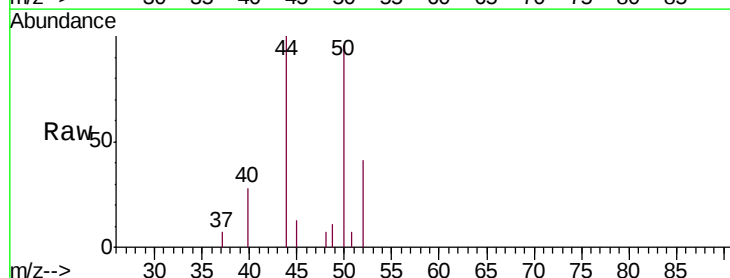
Acq: 29 May 2019 5:05

Tgt Ion: 50 Resp: 2281

Ion Ratio Lower Upper

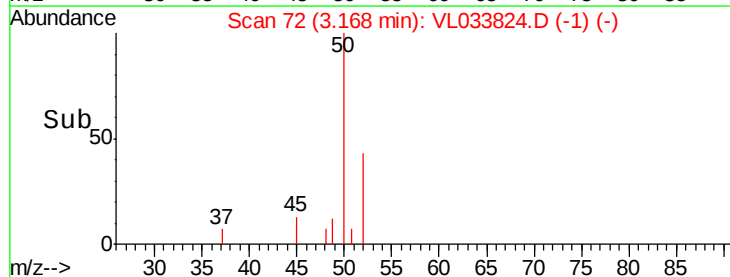
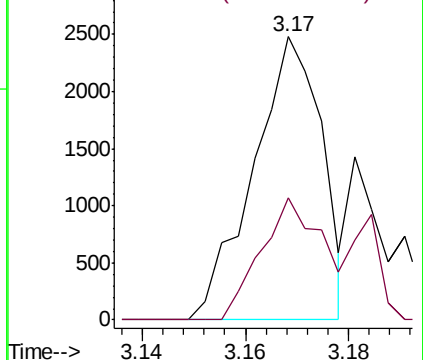
50 100

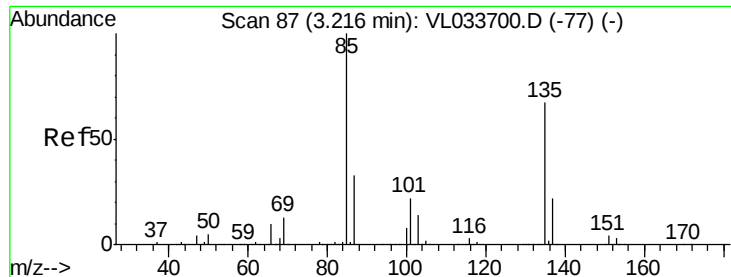
52 40.1 25.7 38.5#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

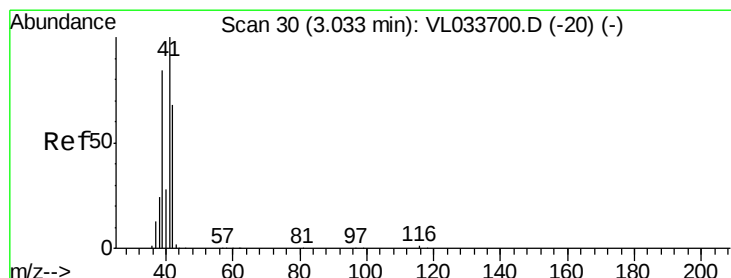
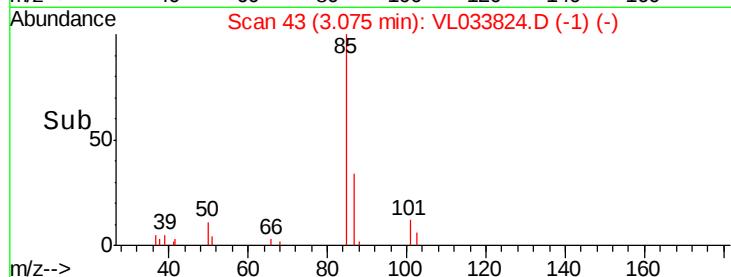
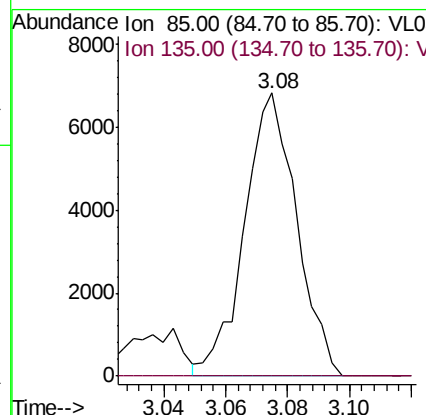
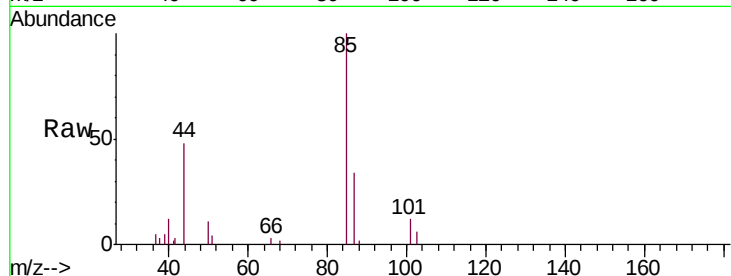




#8
Dichlorotetrafluoroethane
Concen: 0.057 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.14 min
Lab File: VL033824.D
Acq: 29 May 2019 5:05

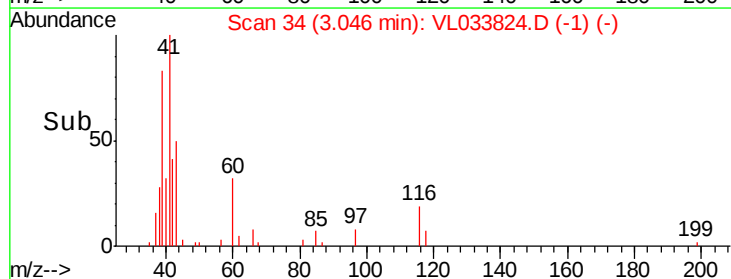
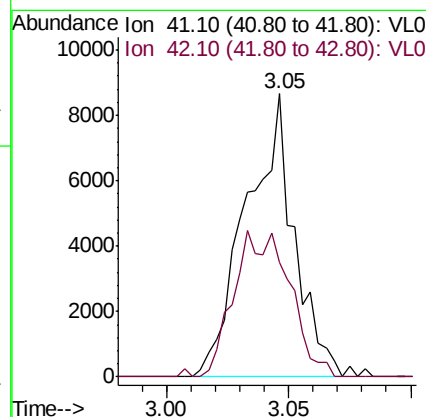
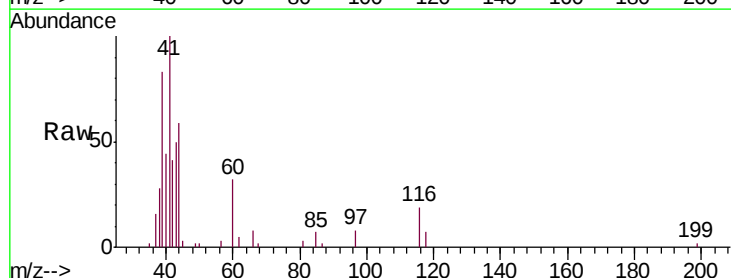
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-25

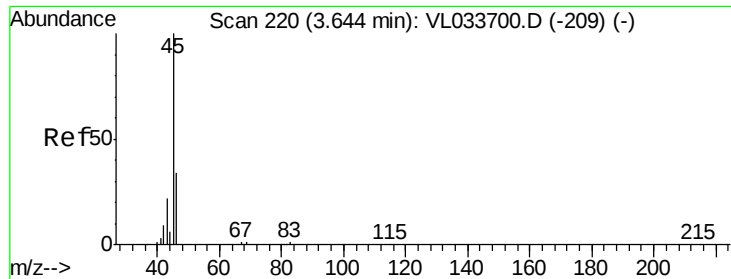
Tgt Ion: 85 Resp: 7991
Ion Ratio Lower Upper
85 100
135 0.5 54.5 81.7#



#9
Propene
Concen: 0.295 ppbv
RT: 3.05 min Scan# 34
Delta R.T. 0.01 min
Lab File: VL033824.D
Acq: 29 May 2019 5:05

Tgt Ion: 41 Resp: 11848
Ion Ratio Lower Upper
41 100
42 60.3 56.1 84.1

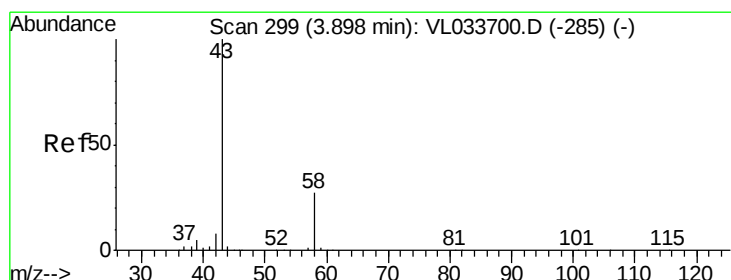
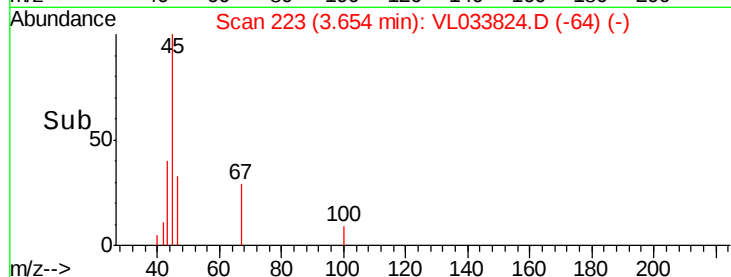
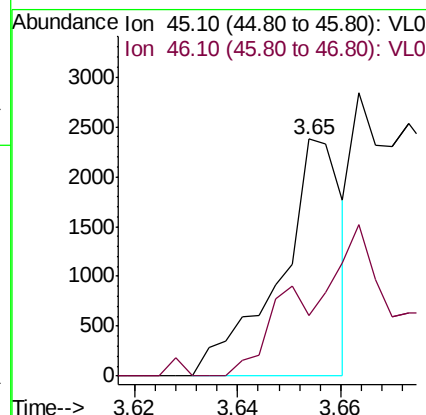
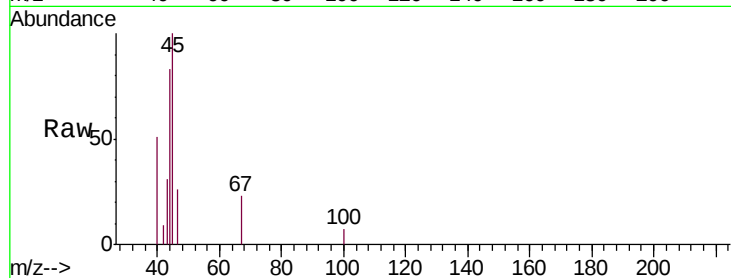




#13
Ethanol
Concen: 0.154 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL033824.D
Acq: 29 May 2019 5:05

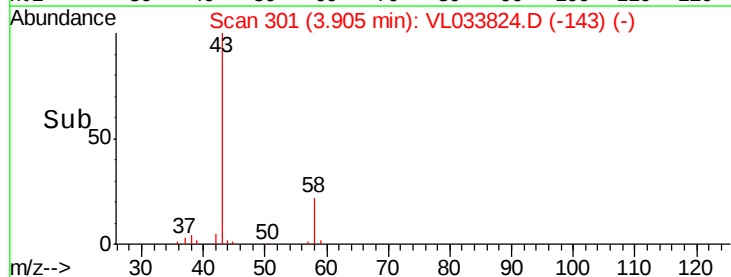
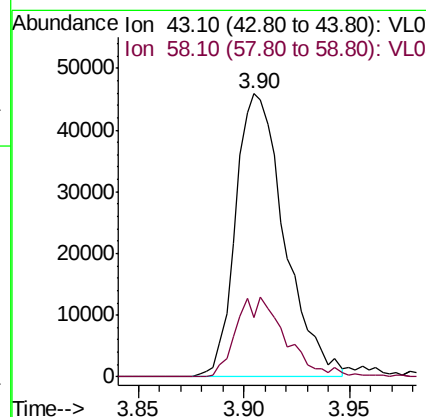
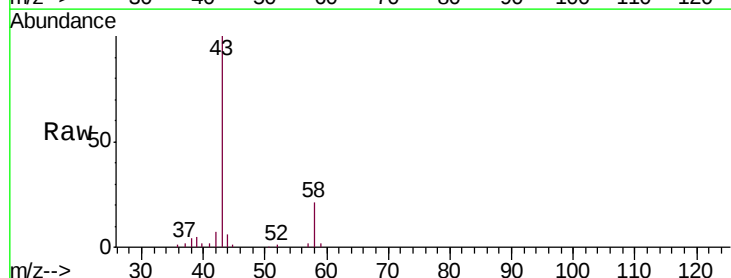
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-25

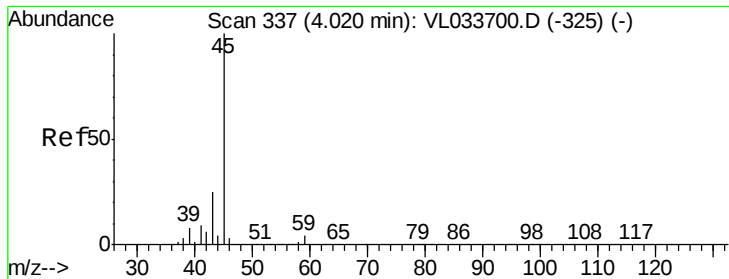
Tgt Ion: 45 Resp: 1993
Ion Ratio Lower Upper
45 100
46 0.0 14.8 59.0#



#15
Acetone
Concen: 0.645 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.01 min
Lab File: VL033824.D
Acq: 29 May 2019 5:05

Tgt Ion: 43 Resp: 73741
Ion Ratio Lower Upper
43 100
58 28.9 21.3 31.9





#19

Isopropyl Alcohol

Concen: 0.014 ppbv

RT: 4.04 min Scan# 344

Delta R.T. 0.02 min

Lab File: VL033824.D

Acq: 29 May 2019 5:05

Instrument :

MSVOA_L

ClientSampleId :

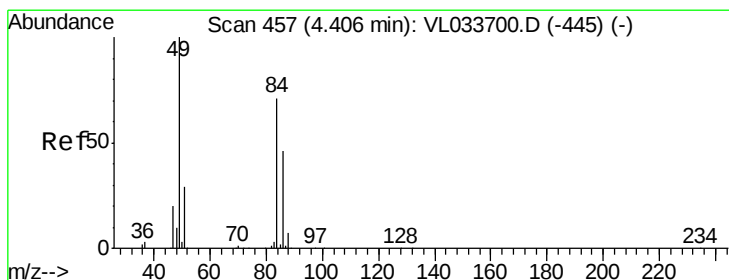
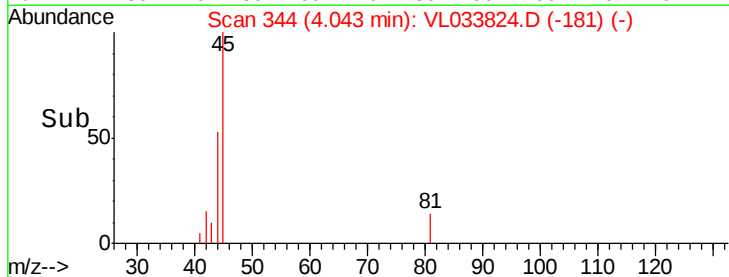
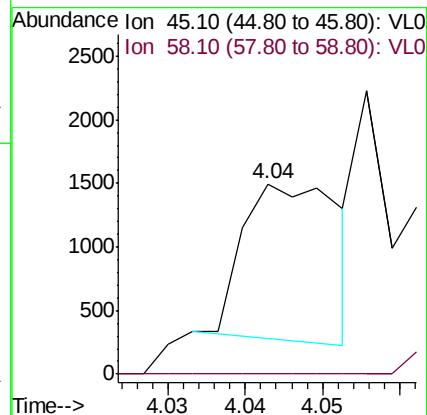
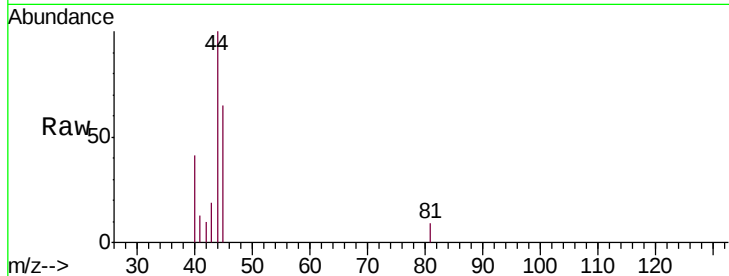
BPS1-SG-3009-25

Tgt Ion: 45 Resp: 1053

Ion Ratio Lower Upper

45 100

58 0.0 1.6 2.4#



#20

Methylene Chloride

Concen: 0.133 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033824.D

Acq: 29 May 2019 5:05

Tgt Ion: 84 Resp: 5861

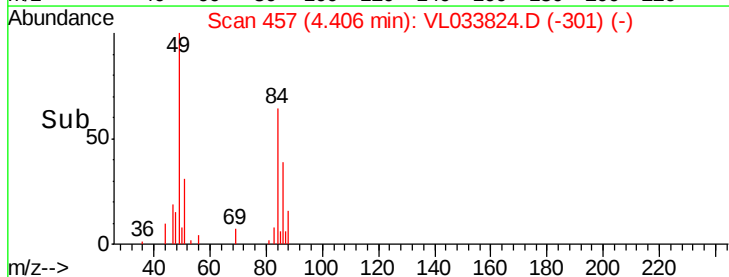
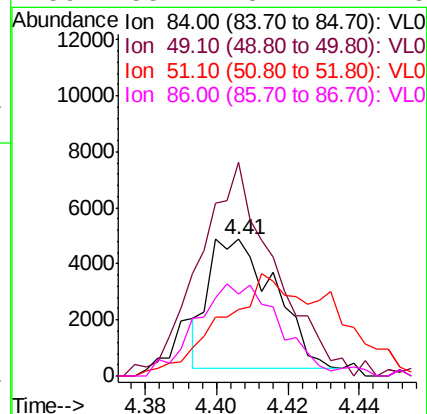
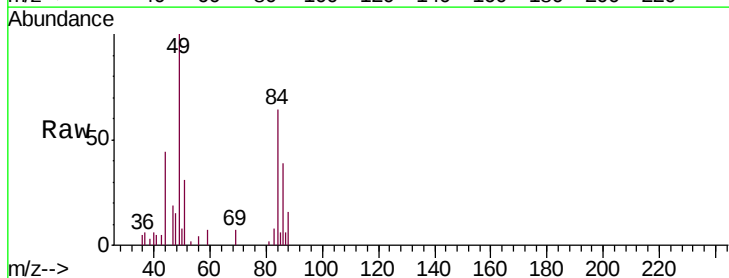
Ion Ratio Lower Upper

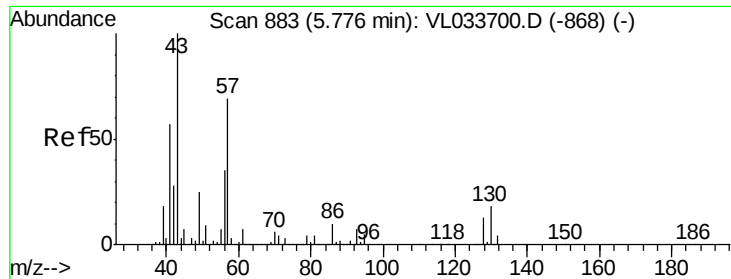
84 100

49 164.1 112.8 169.2

51 29.2 33.4 50.0#

86 58.2 51.7 77.5

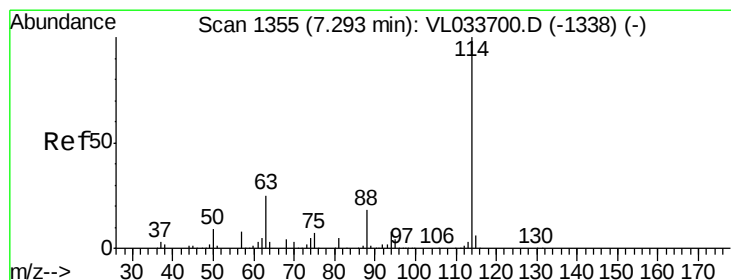
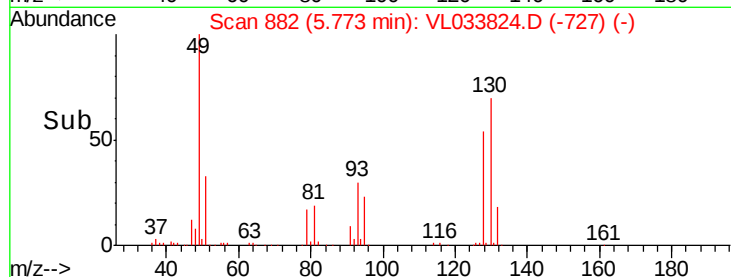
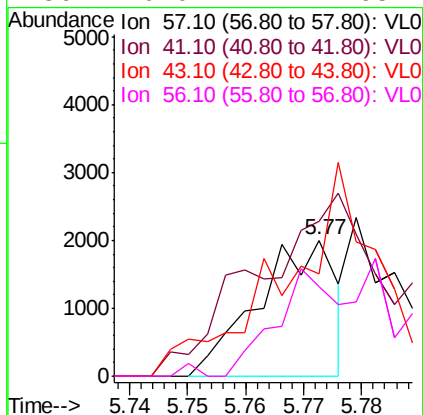
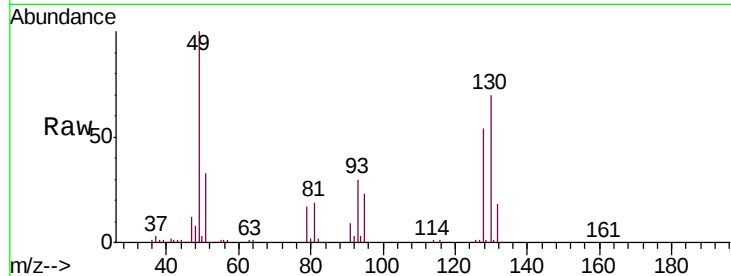




#26
Hexane
Concen: 0.022 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033824.D
Acq: 29 May 2019 5:05

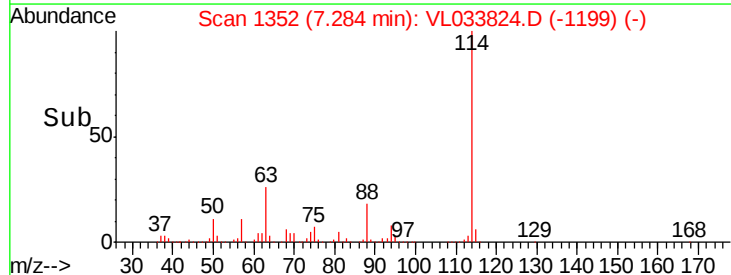
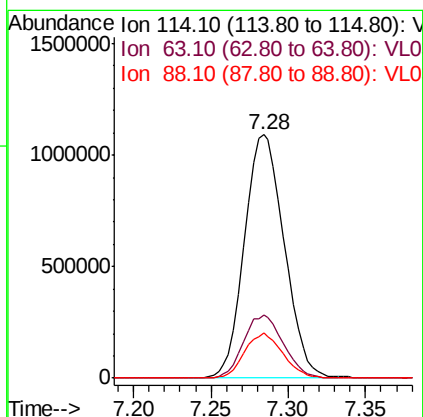
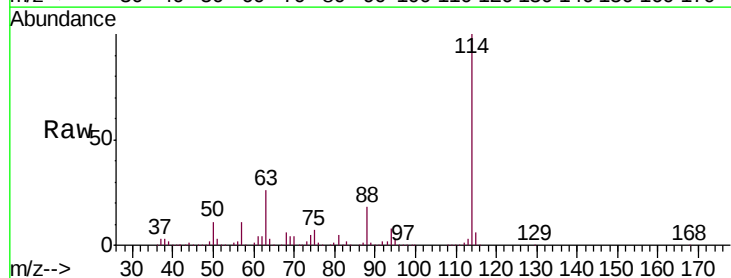
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-25

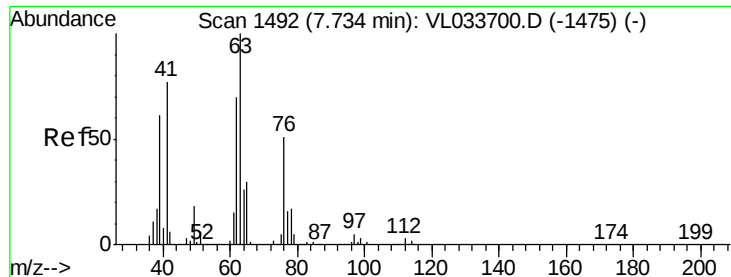
Tgt Ion: 57 Resp: 1870
Ion Ratio Lower Upper
57 100
41 0.0 69.8 104.6#
43 0.0 181.8 272.6#
56 0.0 42.1 63.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033824.D
Acq: 29 May 2019 5:05

Tgt Ion: 114 Resp: 1955976
Ion Ratio Lower Upper
114 100
63 26.0 20.9 31.3
88 17.8 14.3 21.5

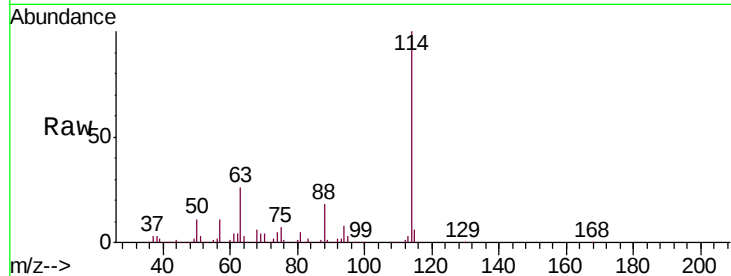




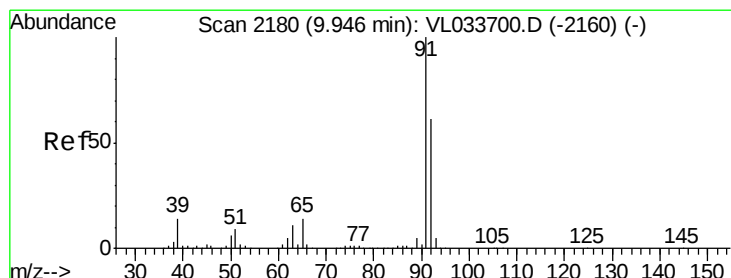
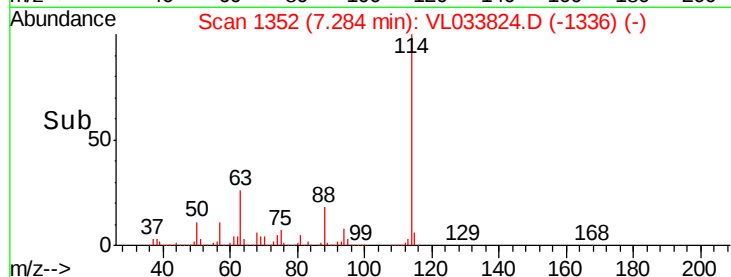
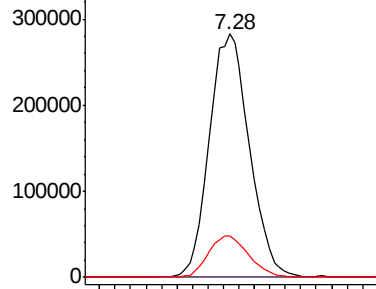
#39
 1,2-Dichloropropane
 Concen: 7.664 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.45 min
 Lab File: VL033824.D
 Acq: 29 May 2019 5:05

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3009-25

Tgt Ion: 63 Resp: 508396
 Ion Ratio Lower Upper
 63 100
 41 0.2 61.5 92.3#
 62 16.8 56.2 84.4#

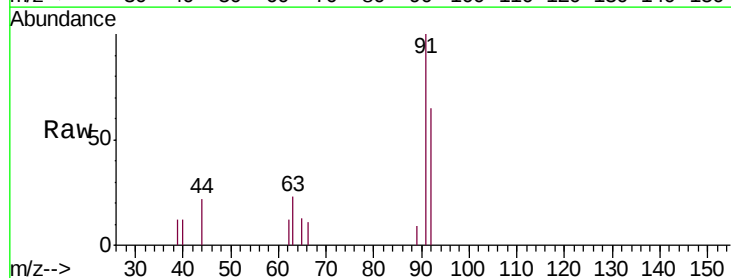


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

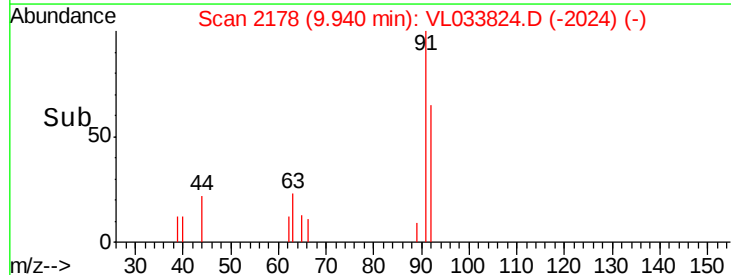
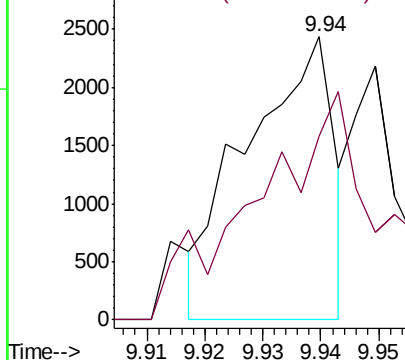


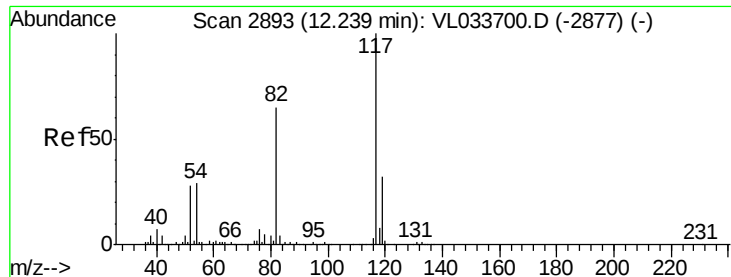
#53
 Toluene
 Concen: 0.013 ppbv
 RT: 9.94 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VL033824.D
 Acq: 29 May 2019 5:05

Tgt Ion: 91 Resp: 2536
 Ion Ratio Lower Upper
 91 100
 92 117.7 47.6 71.4#



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

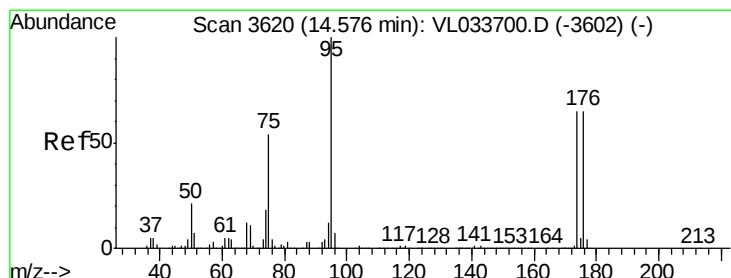
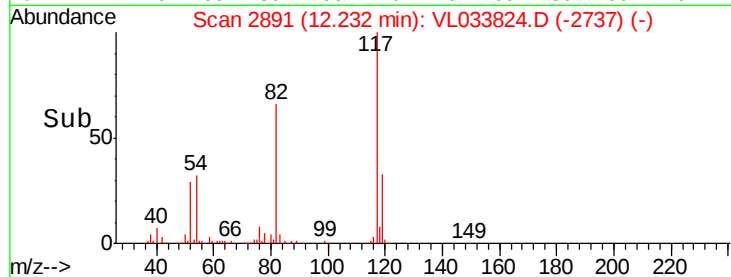
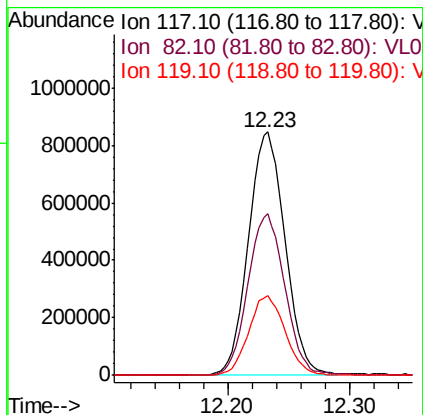
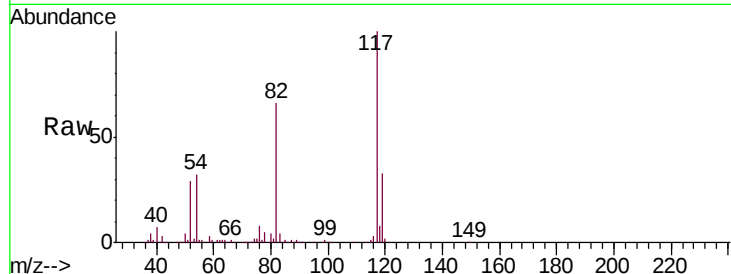




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033824.D
Acq: 29 May 2019 5:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-25

Tgt Ion: 117 Resp: 1754965
Ion Ratio Lower Upper
117 100
82 67.5 49.4 74.0
119 32.8 24.9 37.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.268 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033824.D
Acq: 29 May 2019 5:05

Tgt Ion: 95 Resp: 1460902
Ion Ratio Lower Upper
95 100
174 67.4 53.9 80.9
175 4.9 3.8 5.8

