

Data File : VL032817.D
Acq On : 27 Nov 2018 21:28
Operator : SY/AP
Sample : J6046-01DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01DL2

Quant Time: Nov 28 03:16:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1170560	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3065189	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2827859	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.59 95 2127224 10.06 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 100.60%

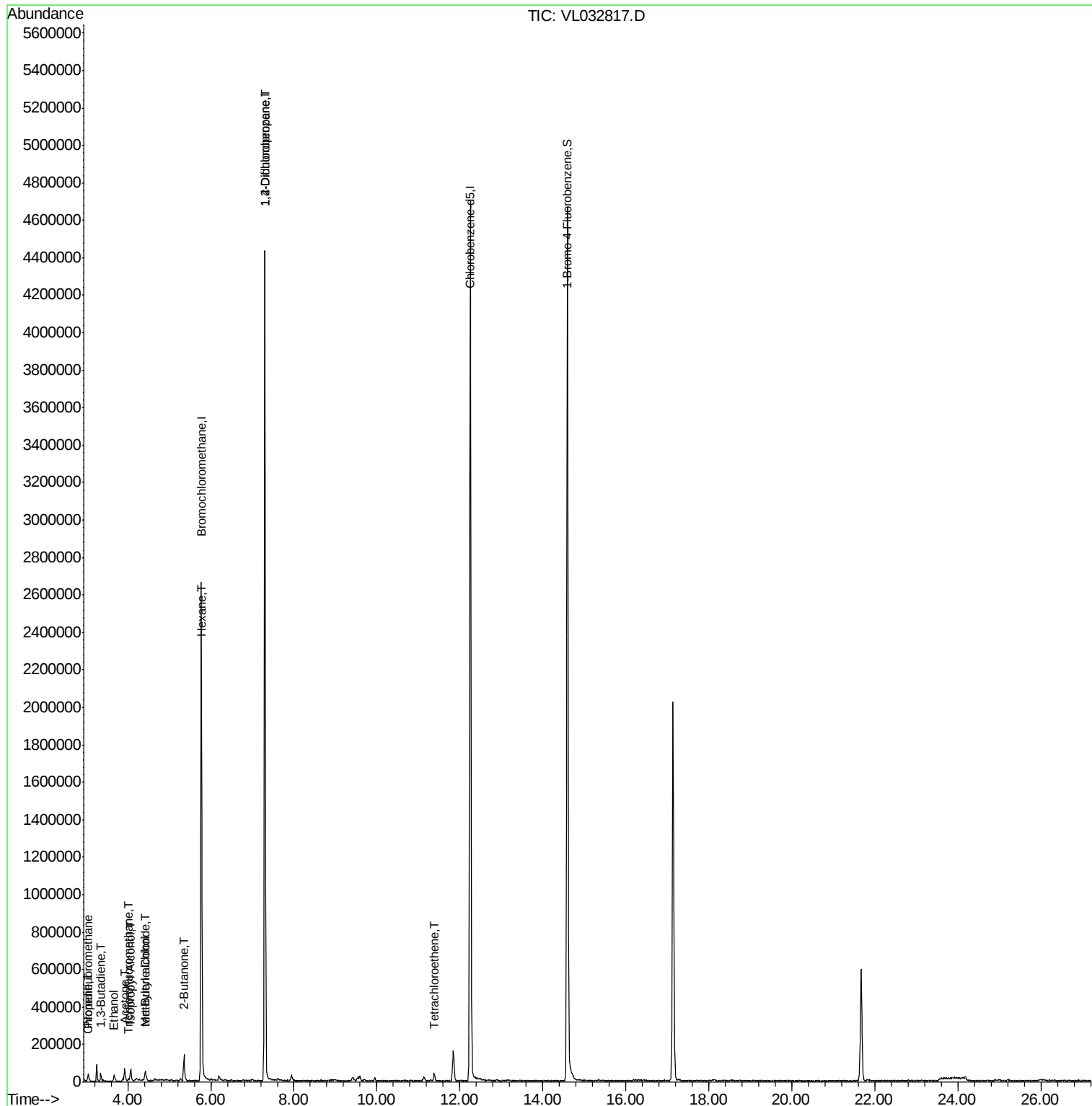
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.02	51	13040	0.141	ppbv	94
9) Propene	3.05	41	13065	0.352	ppbv	95
11) Trichlorofluoromethane	4.01	101	5689	0.036	ppbv	98
13) Ethanol	3.67	45	31292	2.572	ppbv	95
15) Acetone	3.92	43	66761	0.625	ppbv #	73
16) 1,3-Butadiene	3.35	39	11691	0.282	ppbv #	16
17) tert-Butyl alcohol	4.42	59	2679	0.080	ppbv	97
19) Isopropyl Alcohol	4.06	45	33794	0.475	ppbv #	87
20) Methylene Chloride	4.41	84	8352	0.151	ppbv	94
26) Hexane	5.79	57	3666	0.033	ppbv #	47
34) 2-Butanone	5.35	43	151042	0.950	ppbv	99
39) 1,2-Dichloropropane	7.30	63	761652	8.190	ppbv #	23
52) Tetrachloroethene	11.38	164	5972	0.070	ppbv #	60

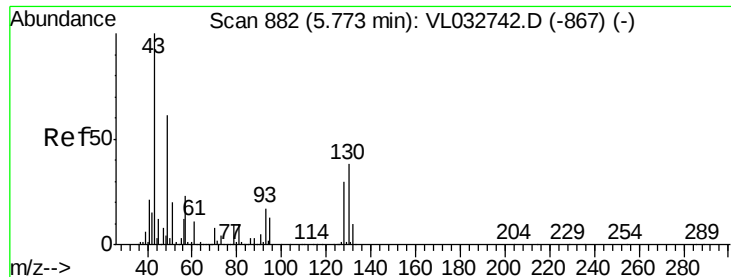
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: VL032817.D

Acq: 27 Nov 2018 21:28

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MSVOA_L

ClientSampleId :

EP2-SV-01DL2

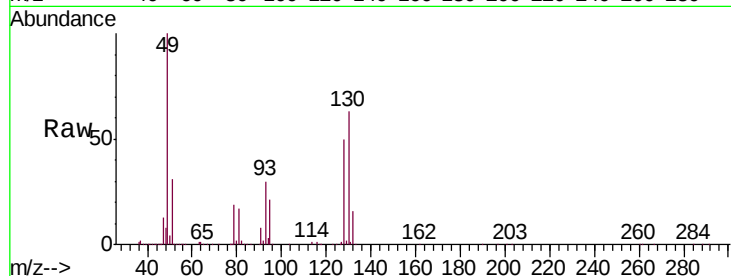
Tgt Ion: 49 Resp: 1170560

Ion Ratio Lower Upper

49 100

128 53.2 24.9 74.6

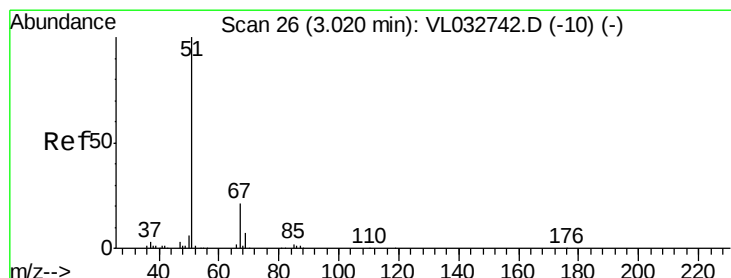
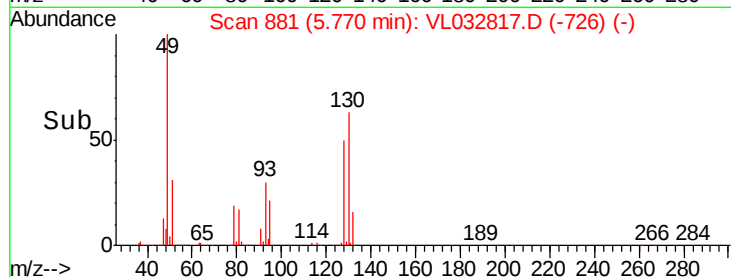
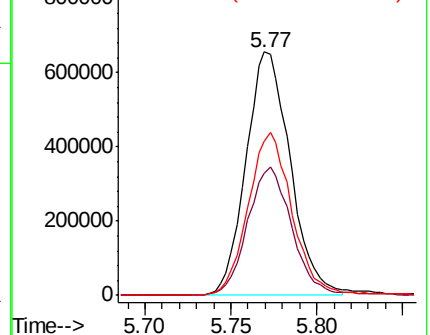
130 67.2 31.4 94.2



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



#3

Chlorodifluoromethane

Concen: 0.141 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL032817.D

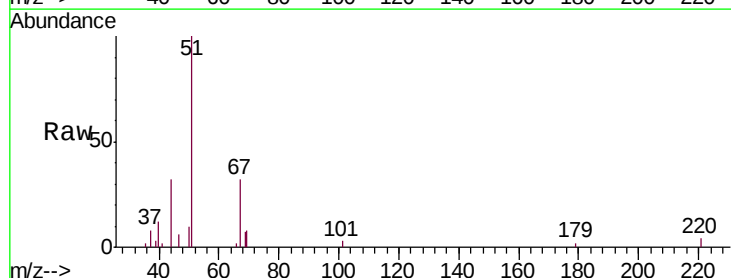
Acq: 27 Nov 2018 21:28

Tgt Ion: 51 Resp: 13040

Ion Ratio Lower Upper

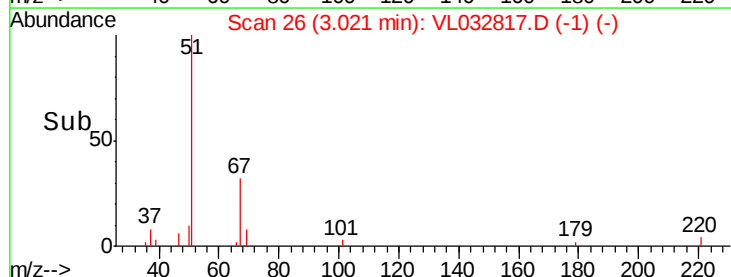
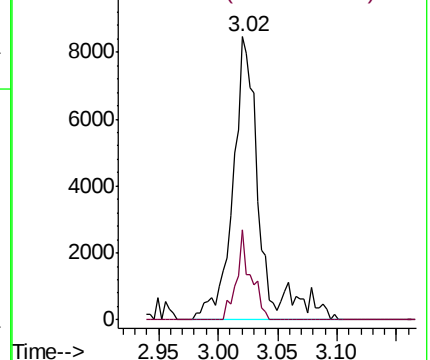
51 100

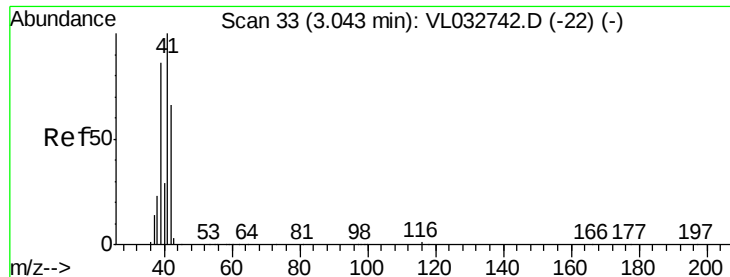
67 17.1 16.1 24.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.352 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.00 min

Lab File: VL032817.D

Acq: 27 Nov 2018 21:28

Instrument :

MSVOA_L

ClientSampleId :

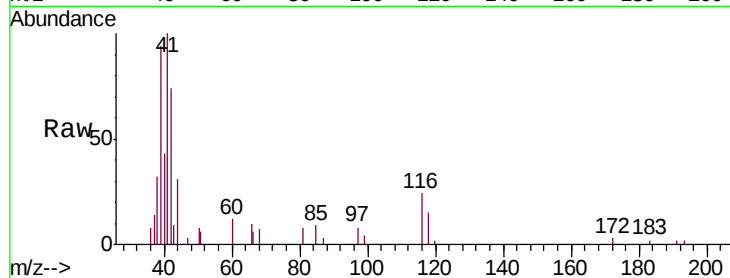
EP2-SV-01DL2

Tgt Ion: 41 Resp: 13065

Ion Ratio Lower Upper

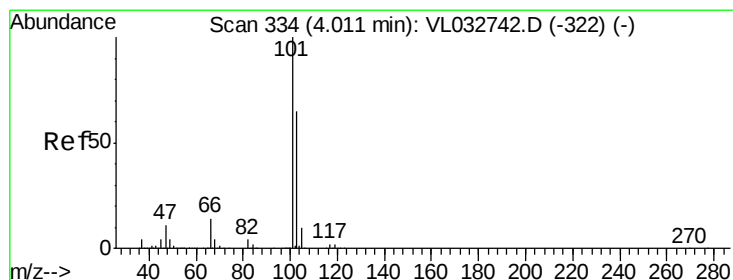
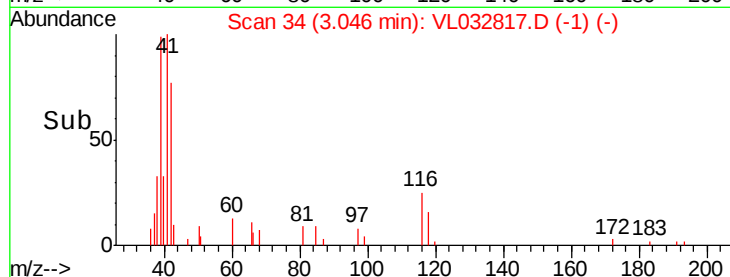
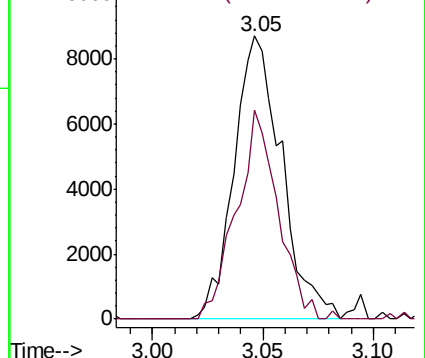
41 100

42 64.4 55.0 82.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#11

Trichlorofluoromethane

Concen: 0.036 ppbv

RT: 4.01 min Scan# 334

Delta R.T. 0.00 min

Lab File: VL032817.D

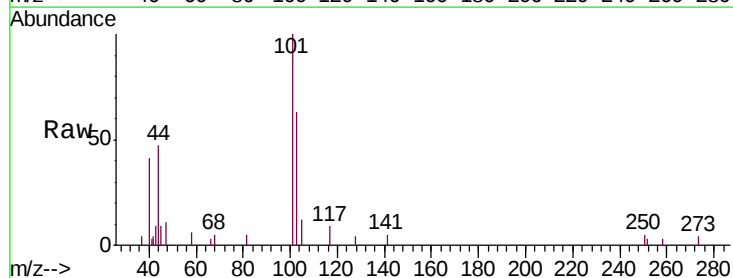
Acq: 27 Nov 2018 21:28

Tgt Ion: 101 Resp: 5689

Ion Ratio Lower Upper

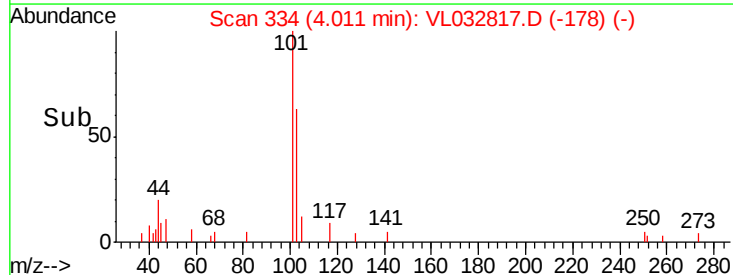
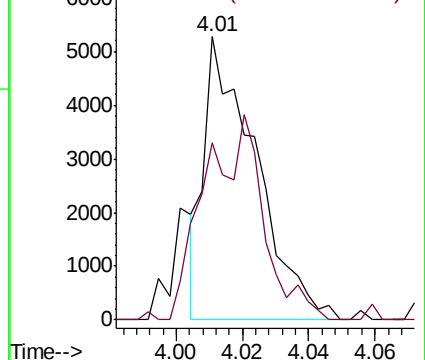
101 100

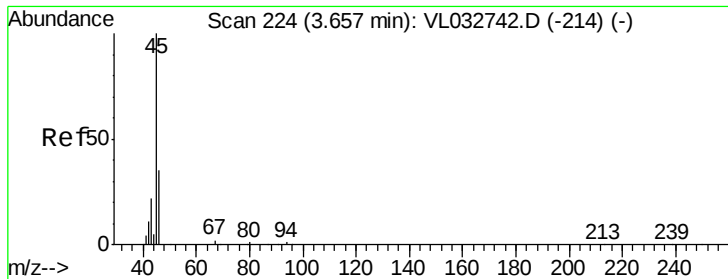
103 62.6 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#13

Ethanol

Concen: 2.572 ppbv

RT: 3.67 min Scan# 228

Delta R.T. 0.01 min

Lab File: VL032817.D

Acq: 27 Nov 2018 21:28

Instrument :

MSVOA_L

ClientSampleId :

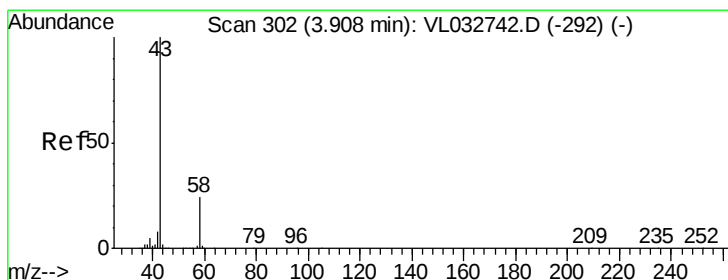
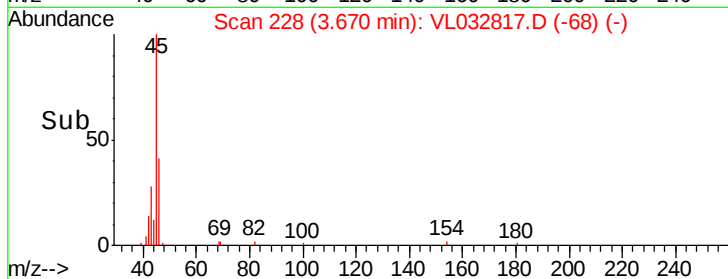
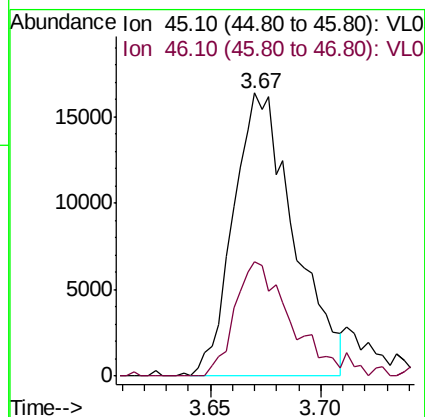
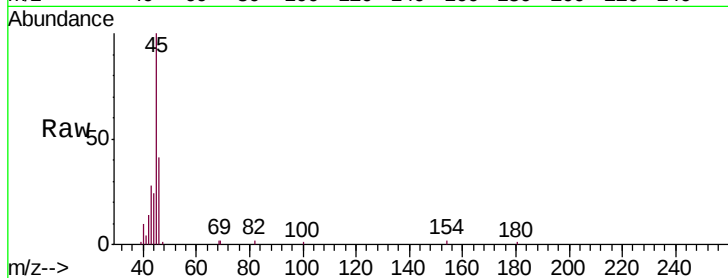
EP2-SV-01DL2

Tgt Ion: 45 Resp: 31292

Ion Ratio Lower Upper

45 100

46 39.4 14.5 57.9



#15

Acetone

Concen: 0.625 ppbv

RT: 3.92 min Scan# 307

Delta R.T. 0.02 min

Lab File: VL032817.D

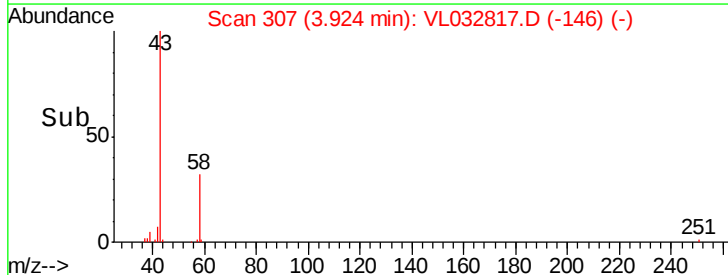
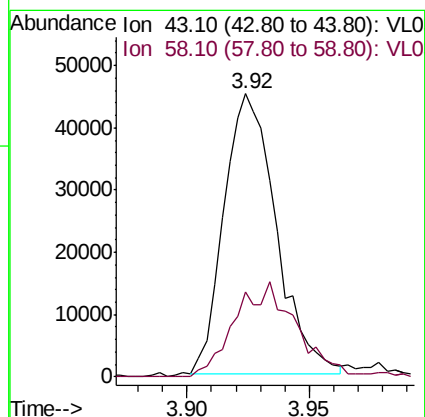
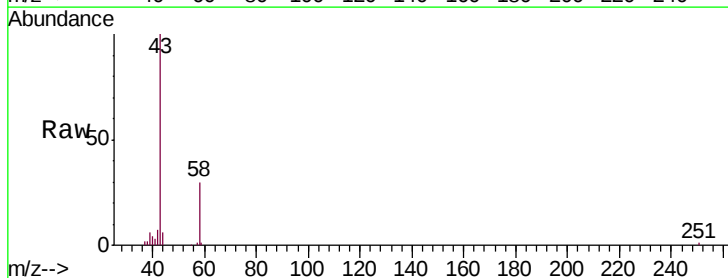
Acq: 27 Nov 2018 21:28

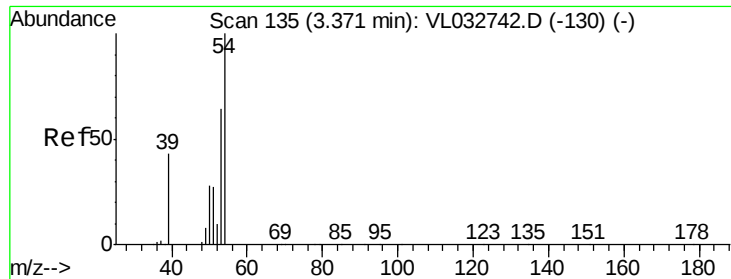
Tgt Ion: 43 Resp: 66761

Ion Ratio Lower Upper

43 100

58 40.2 21.1 31.7#

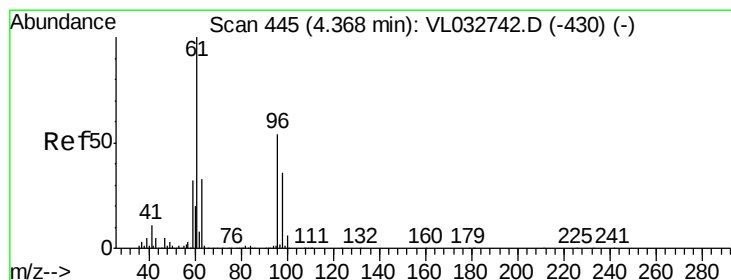
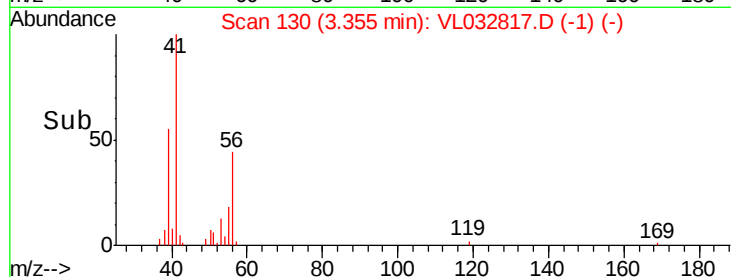
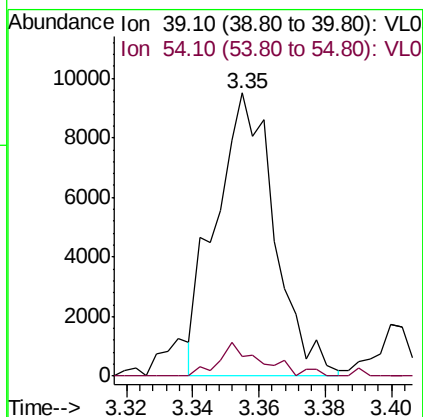
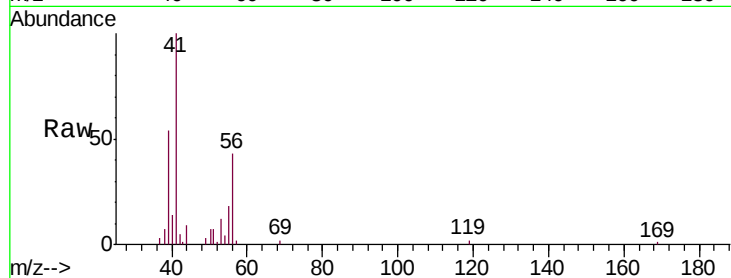




#16
1,3-Butadiene
Concen: 0.282 ppbv
RT: 3.35 min Scan# 130
Delta R.T. -0.02 min
Lab File: VL032817.D
Acq: 27 Nov 2018 21:28

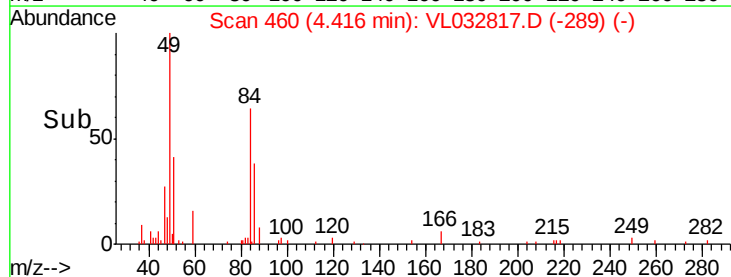
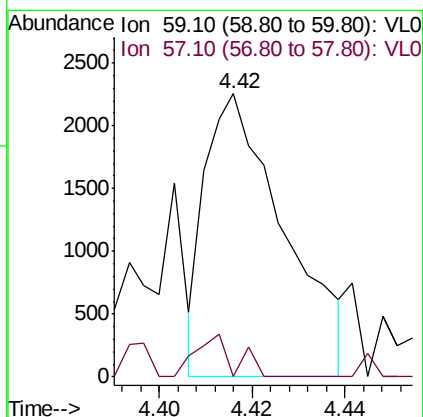
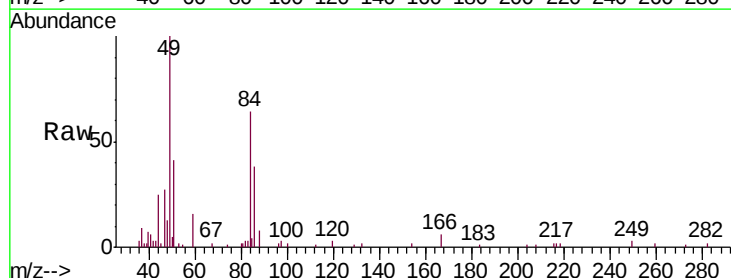
Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01DL2

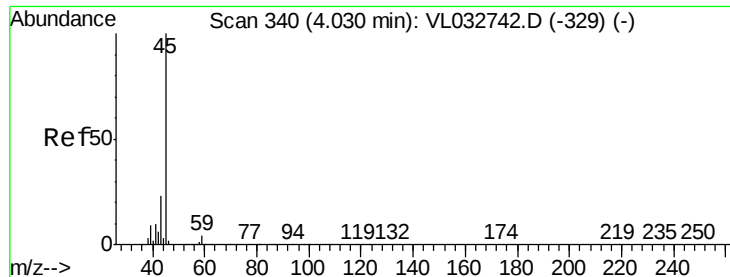
Tgt Ion: 39 Resp: 11691
Ion Ratio Lower Upper
39 100
54 9.2 68.9 103.3#



#17
tert-Butyl alcohol
Concen: 0.080 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.05 min
Lab File: VL032817.D
Acq: 27 Nov 2018 21:28

Tgt Ion: 59 Resp: 2679
Ion Ratio Lower Upper
59 100
57 10.9 7.8 11.8





#19

Isopropyl Alcohol

Concen: 0.475 ppbv

RT: 4.06 min Scan# 350

Delta R.T. 0.03 min

Lab File: VL032817.D

Acq: 27 Nov 2018 21:28

Instrument :

MSVOA_L

ClientSampleId :

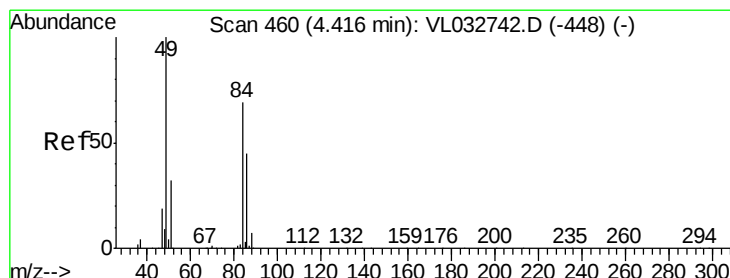
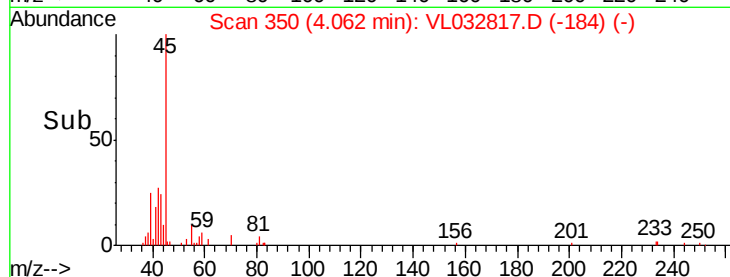
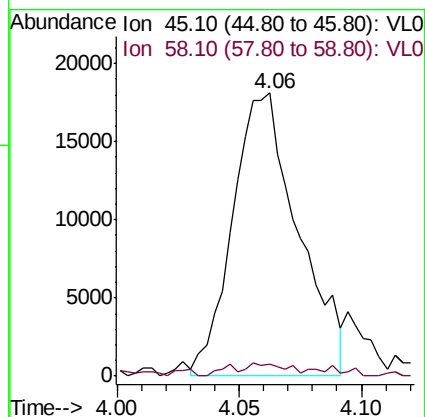
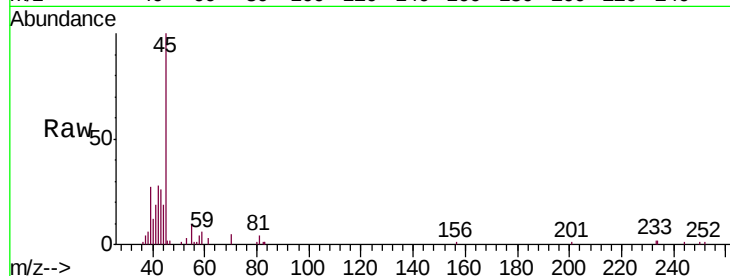
EP2-SV-01DL2

Tgt Ion: 45 Resp: 33794

Ion Ratio Lower Upper

45 100

58 6.3 1.4 2.0#



#20

Methylene Chloride

Concen: 0.151 ppbv

RT: 4.41 min Scan# 459

Delta R.T. -0.00 min

Lab File: VL032817.D

Acq: 27 Nov 2018 21:28

Tgt Ion: 84 Resp: 8352

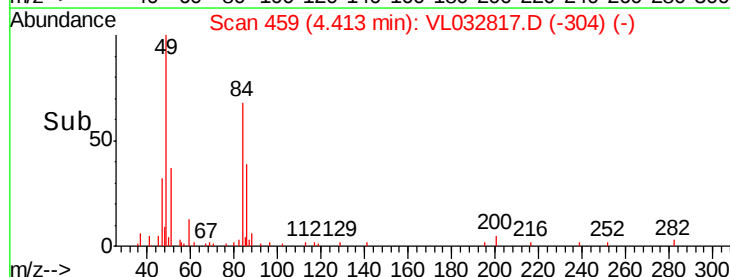
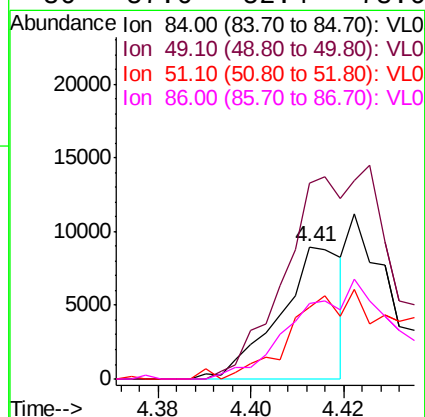
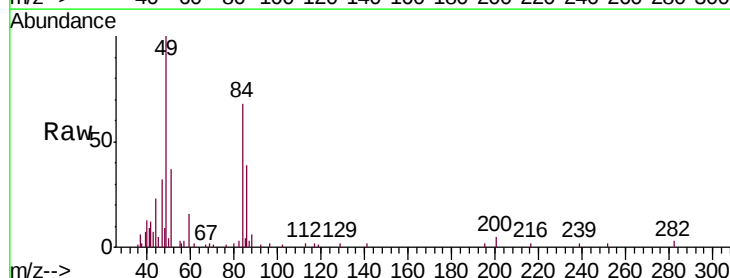
Ion Ratio Lower Upper

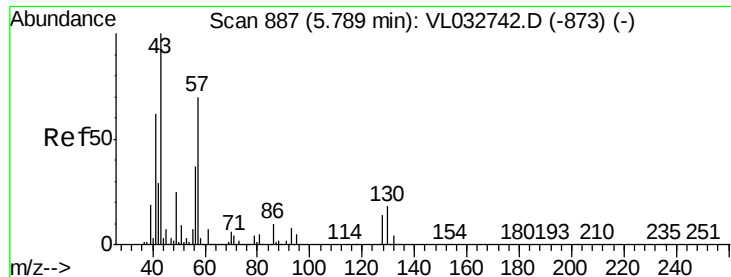
84 100

49 147.6 115.8 173.6

51 54.6 36.9 55.3

86 57.6 52.4 78.6





#26

Hexane

Concen: 0.033 ppbv

RT: 5.79 min Scan# 887

Delta R.T. 0.00 min

Lab File: VL032817.D

Acq: 27 Nov 2018 21:28

Instrument :

MSVOA_L

ClientSampleId :

EP2-SV-01DL2

Tgt Ion: 57 Resp: 3666

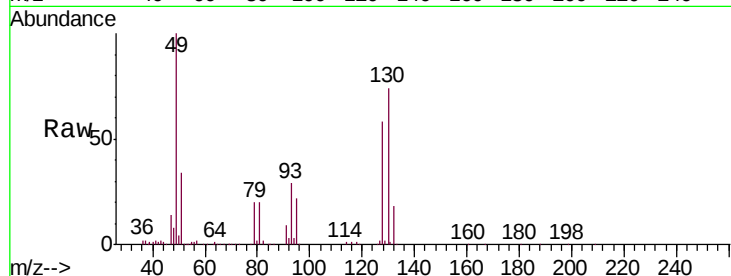
Ion Ratio Lower Upper

57 100

41 226.1 70.3 105.5#

43 225.3 174.0 261.0

56 117.5 42.3 63.5#



Abundance

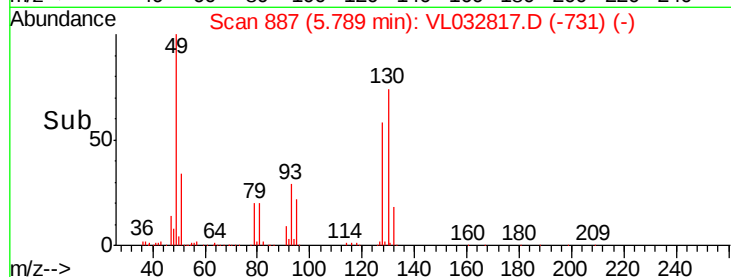
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

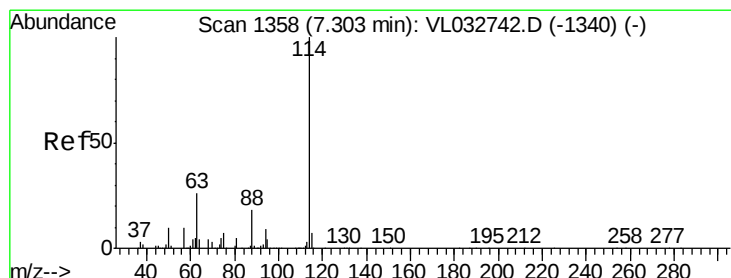
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

Time-->



Time-->



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VL032817.D

Acq: 27 Nov 2018 21:28

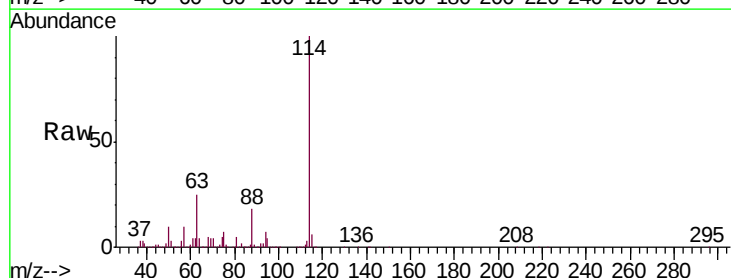
Tgt Ion: 114 Resp: 3065189

Ion Ratio Lower Upper

114 100

63 24.9 20.9 31.3

88 18.0 14.4 21.6



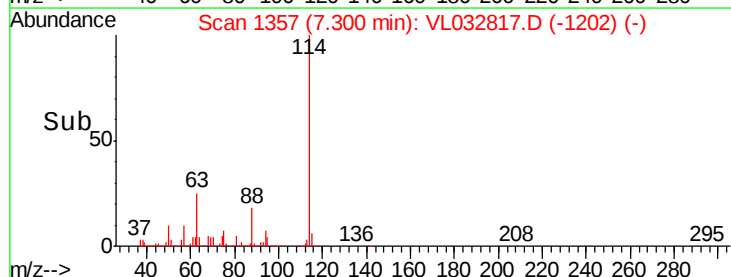
Abundance

Ion 114.10 (113.80 to 114.80): V

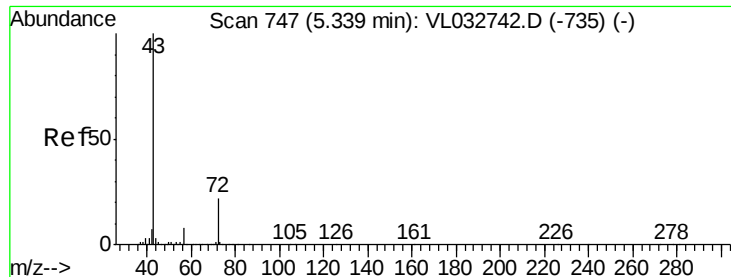
Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

Time-->



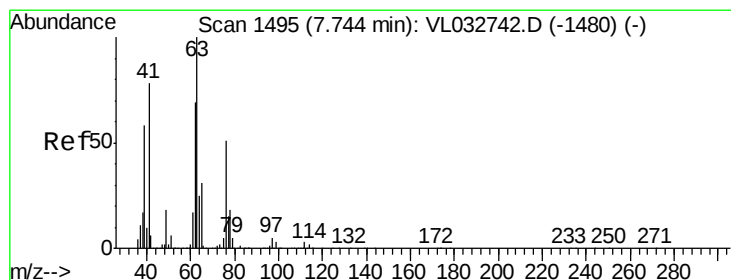
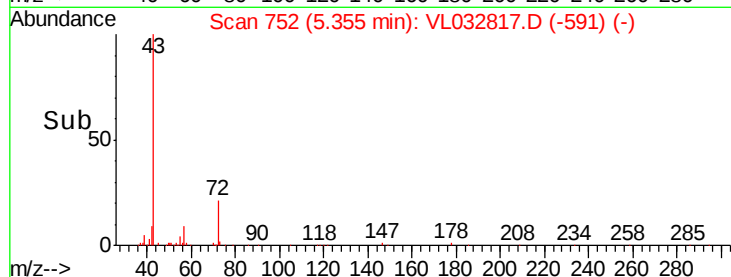
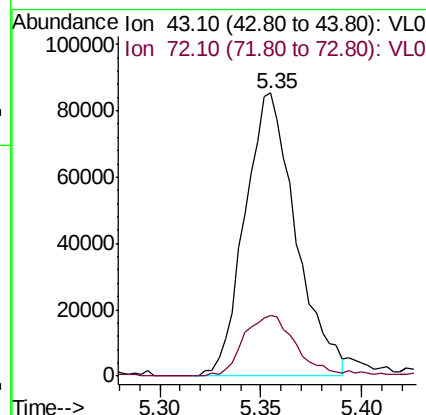
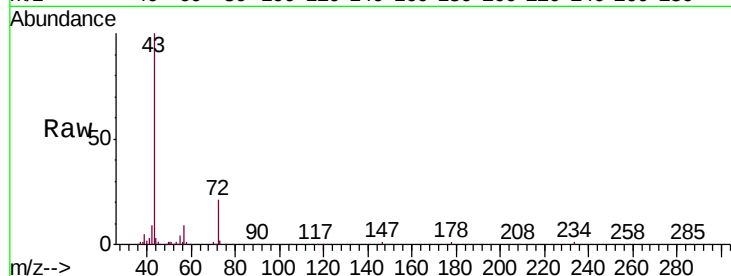
Time-->



#34
2-Butanone
Concen: 0.950 ppbv
RT: 5.35 min Scan# 752
Delta R.T. 0.02 min
Lab File: VL032817.D
Acq: 27 Nov 2018 21:28

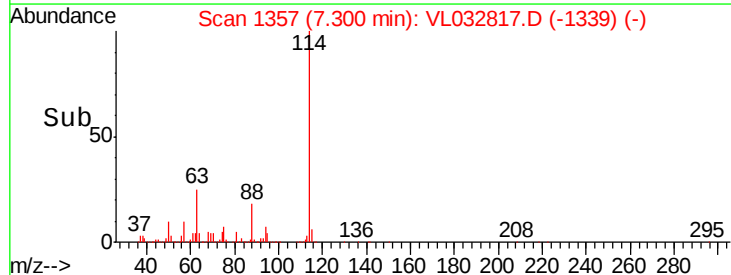
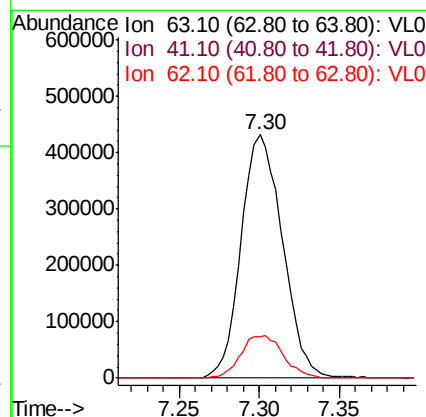
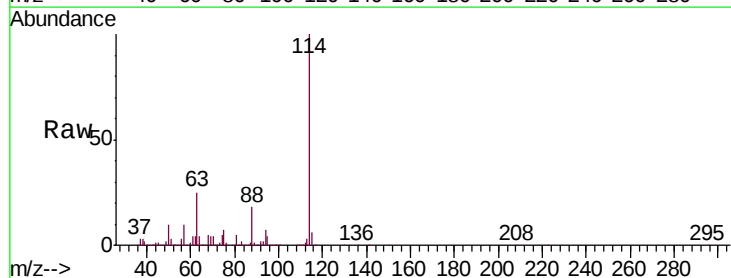
Instrument :
MSVOA_L
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EP2-SV-01DL2

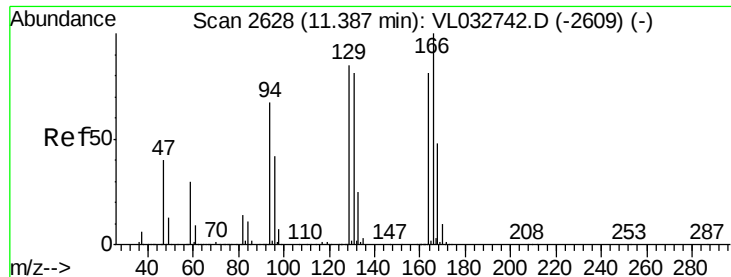
Tgt Ion: 43 Resp: 151042
Ion Ratio Lower Upper
43 100
72 23.3 18.4 27.6



#39
1,2-Dichloropropane
Concen: 8.190 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.44 min
Lab File: VL032817.D
Acq: 27 Nov 2018 21:28

Tgt Ion: 63 Resp: 761652
Ion Ratio Lower Upper
63 100
41 0.1 62.0 93.0#
62 17.0 55.4 83.2#





#52

Tetrachloroethene

Concen: 0.070 ppbv

RT: 11.38 min Scan# 2627

Delta R.T. -0.00 min

Lab File: VL032817.D

Acq: 27 Nov 2018 21:28

Instrument :

MSVOA_L

ClientSampleId :

EP2-SV-01DL2

Tgt Ion:164 Resp: 5972

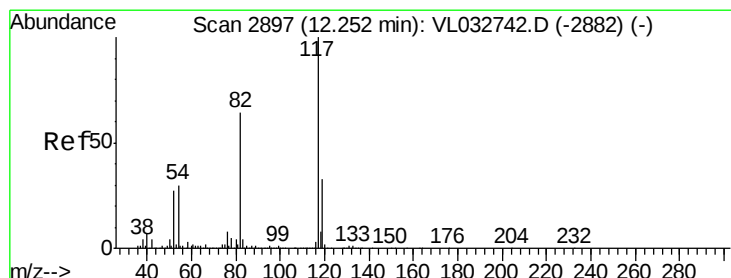
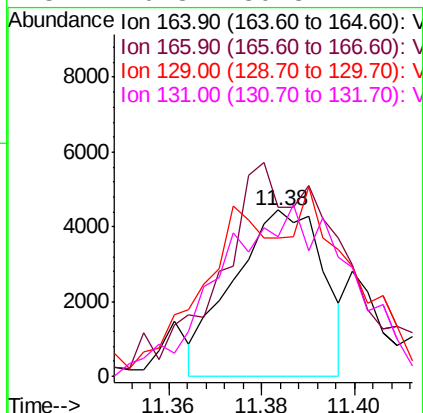
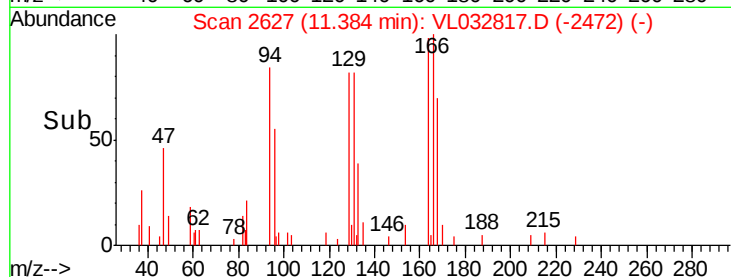
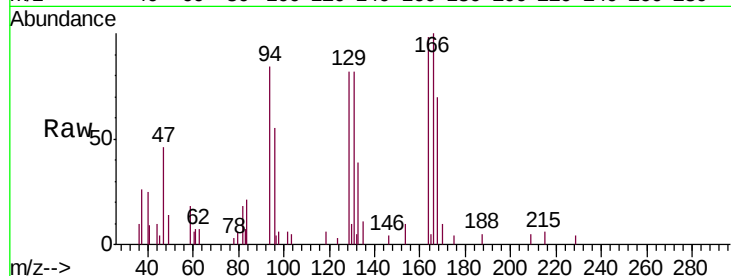
Ion Ratio Lower Upper

164 100

166 79.9 99.3 148.9#

129 53.7 83.9 125.9#

131 70.3 80.8 121.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VL032817.D

Acq: 27 Nov 2018 21:28

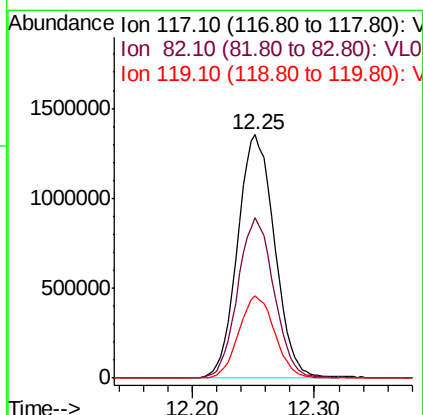
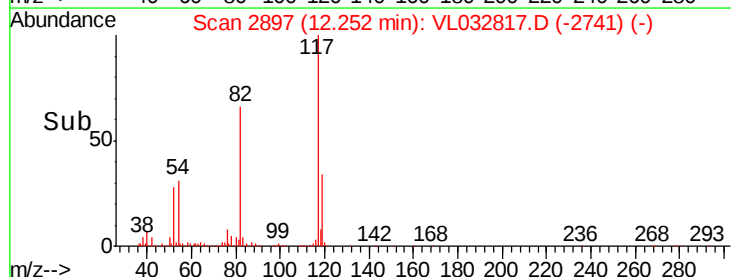
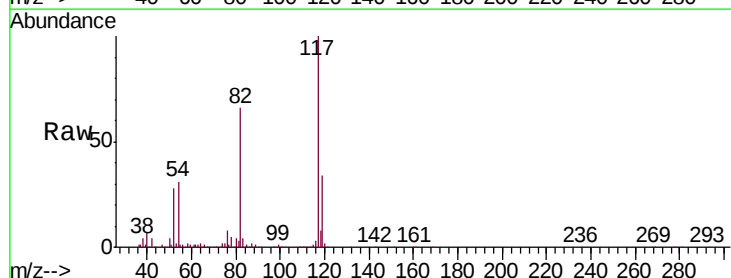
Tgt Ion:117 Resp: 2827859

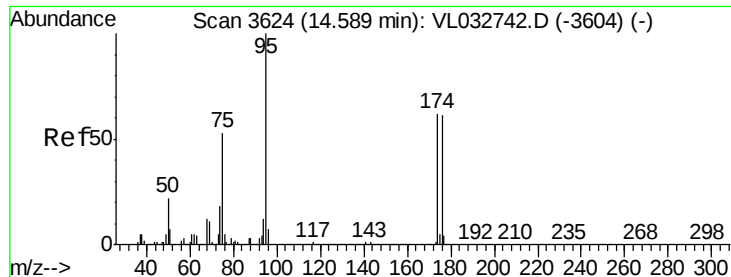
Ion Ratio Lower Upper

117 100

82 65.1 51.0 76.6

119 33.2 28.0 42.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.057 ppbv
 RT: 14.59 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VL032817.D
 Acq: 27 Nov 2018 21:28

Instrument :
 MSVOA_L
 ClientSampleId :
 EP2-SV-01DL2

Tgt Ion: 95 Resp: 2127224
 Ion Ratio Lower Upper
 95 100
 174 66.0 50.7 76.1
 175 4.7 3.8 5.6

