

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL122017\
 Data File : VL031280.D
 Acq On : 20 Dec 2017 21:59
 Operator : SY/AP
 Sample : I7005-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-3DL

Manual Integrations
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 12/22/2017 4:54:56 PM

Quant Time: Dec 22 05:44:26 2017
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 2017
 QLast Update : Thu Dec 14 04:29:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1619571	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	3711802	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3704719	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2885252	10.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.13	41	110637	1.22	ppbv	98
13) Ethanol	3.78	45	16923m	0.65	ppbv	
15) Acetone	4.03	43	399680	1.87	ppbv #	63
17) tert-Butyl alcohol	4.52	59	16182m	0.13	ppbv	
20) Methylene Chloride	4.54	84	18624	0.26	ppbv	94
26) Hexane	5.93	57	24971	0.12	ppbv #	3
34) 2-Butanone	5.47	43	1274490	4.86	ppbv	99
38) Trichloroethene	8.12	130	40731	0.27	ppbv	92
51) 2-Hexanone	10.47	43	30644m	0.10	ppbv	
52) Tetrachloroethene	11.55	164	5629401	38.79	ppbv	99
53) Toluene	10.12	91	145351	0.34	ppbv	97
59) m/p-Xylene	13.30	91	63990m	0.13	ppbv	

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

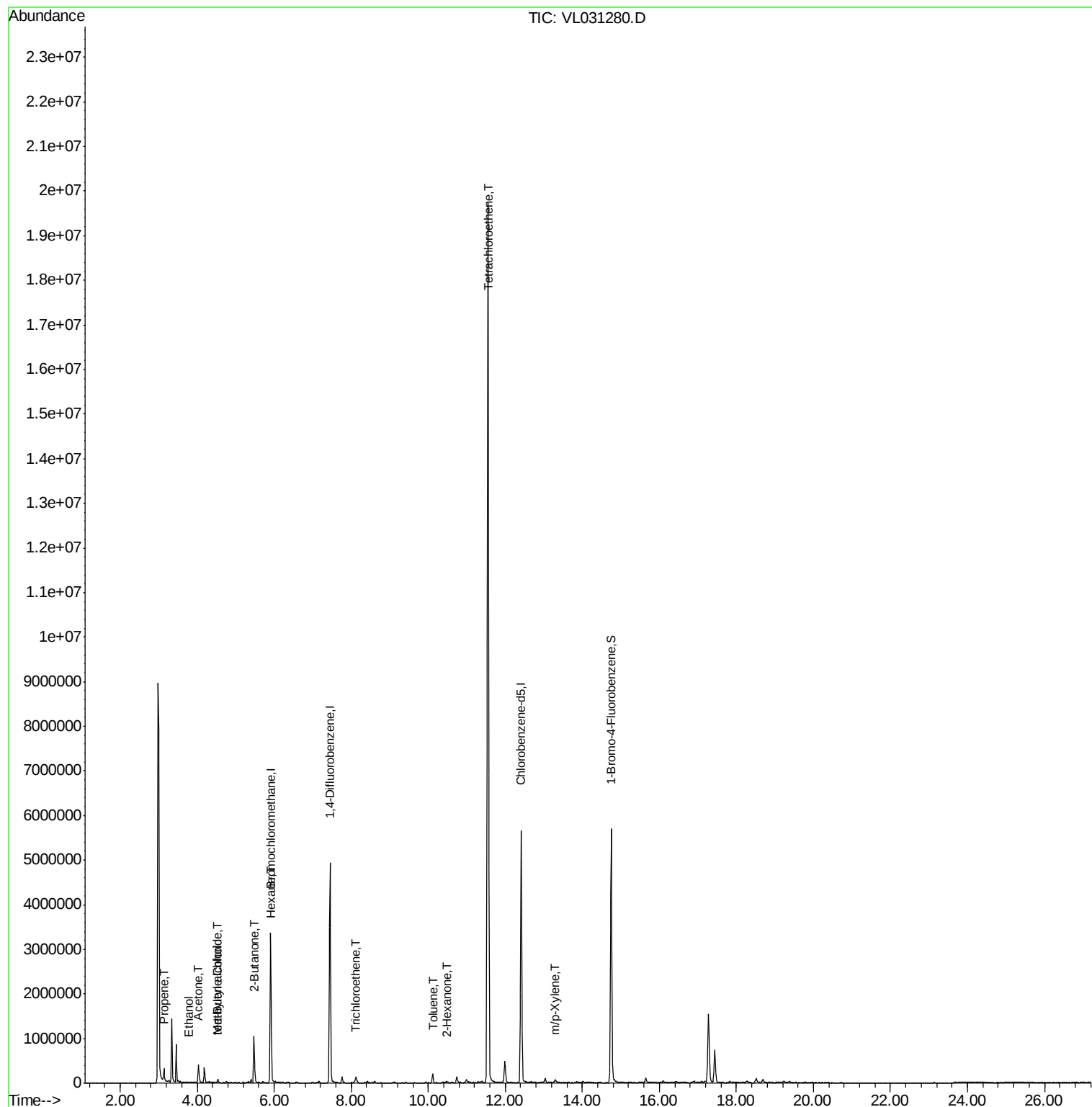
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL122017\
Data File : VL031280.D
Acq On : 20 Dec 2017 21:59
Operator : SY/AP
Sample : I7005-04DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

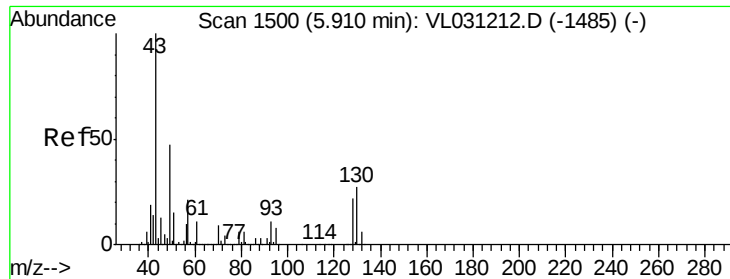
Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-3DL

Manual Integrations
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Quant Time: Dec 22 05:44:26 2017
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL031280.D

Acq: 20 Dec 2017 21:59

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-3DL

Tot Ion: 49 Resp: 1619571

Ion Ratio Lower Upper

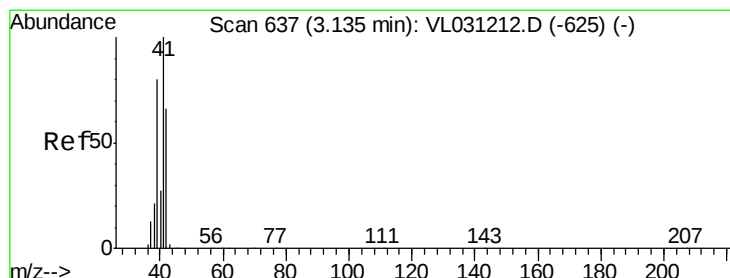
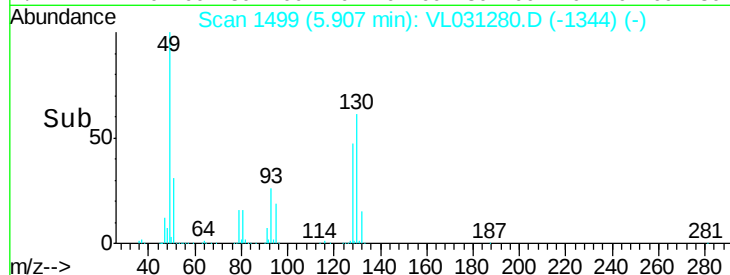
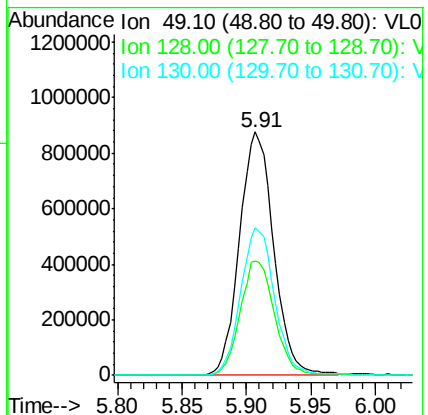
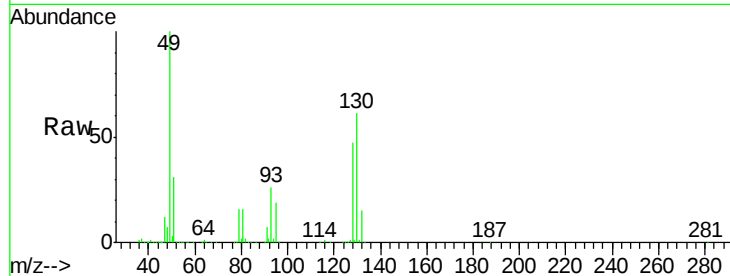
49 100

128 47.7 23.2 69.5

130 60.7 29.6 88.8

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#9

Propene

Concen: 1.22 ppbv

RT: 3.13 min Scan# 637

Delta R.T. 0.00 min

Lab File: VL031280.D

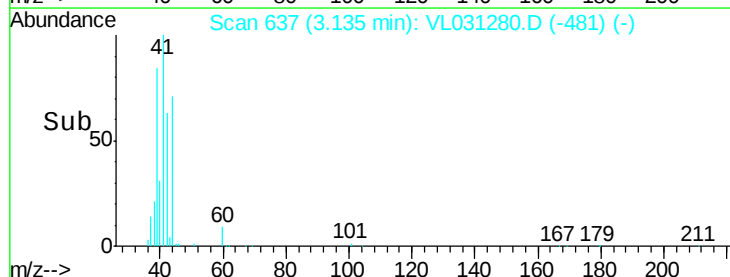
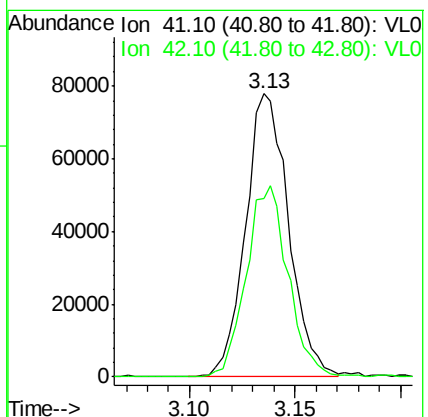
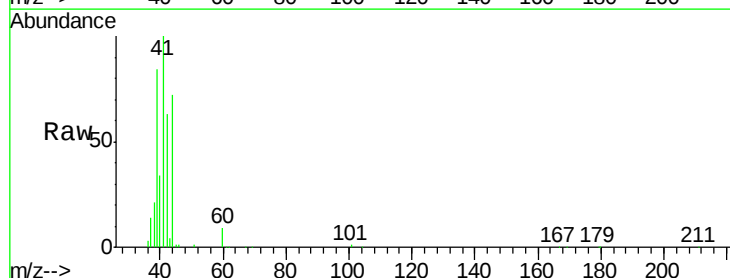
Acq: 20 Dec 2017 21:59

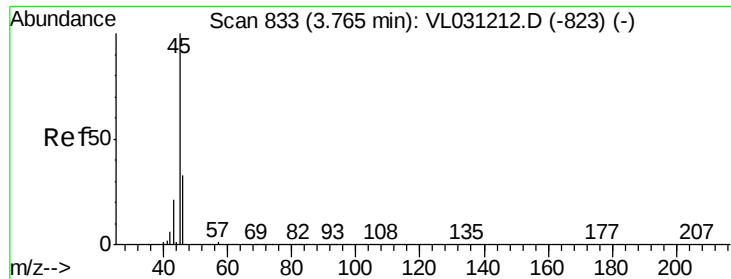
Tgt Ion: 41 Resp: 110637

Ion Ratio Lower Upper

41 100

42 65.9 54.3 81.5





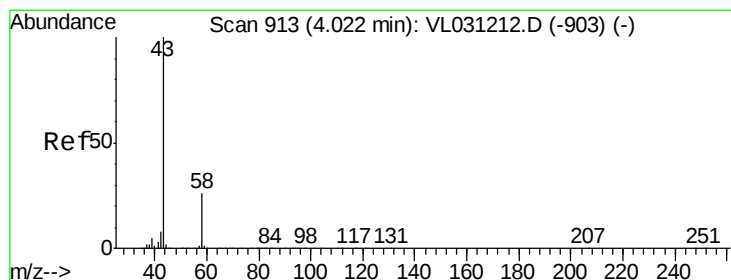
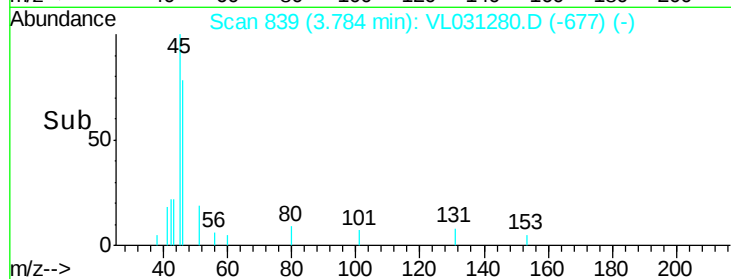
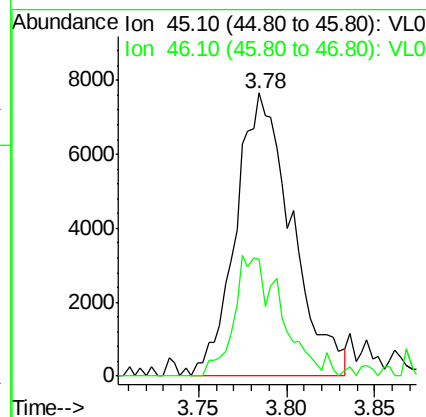
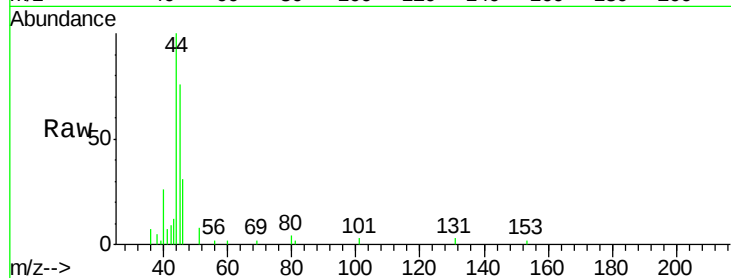
#13
Ethanol
Concen: 0.65 ppbv m
RT: 3.78 min Scan# 839
Delta R.T. 0.02 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-3DL

Tot Ion: 45 Resp: 16923
Ion Ratio Lower Upper
45 100
46 38.0 14.6 58.4

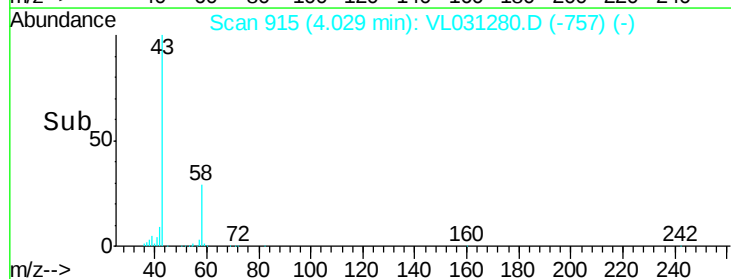
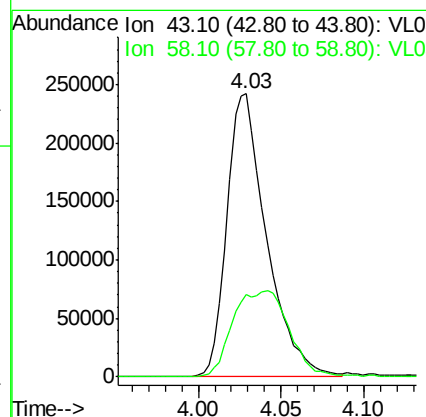
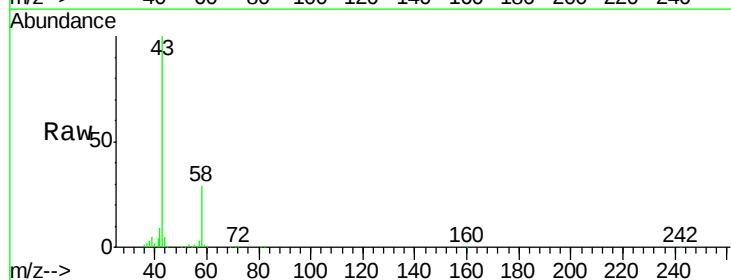
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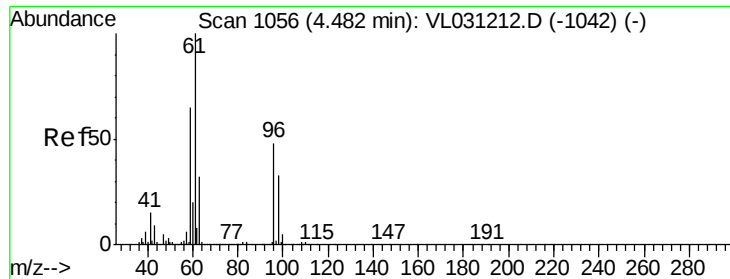
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#15
Acetone
Concen: 1.87 ppbv
RT: 4.03 min Scan# 915
Delta R.T. 0.01 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Tgt Ion: 43 Resp: 399680
Ion Ratio Lower Upper
43 100
58 44.1 20.3 30.5#





#17

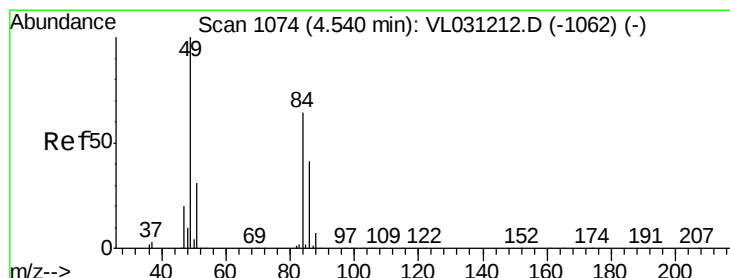
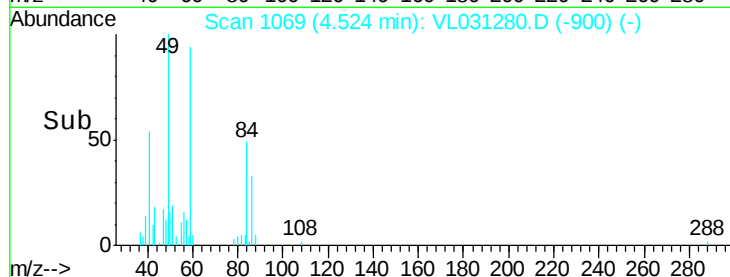
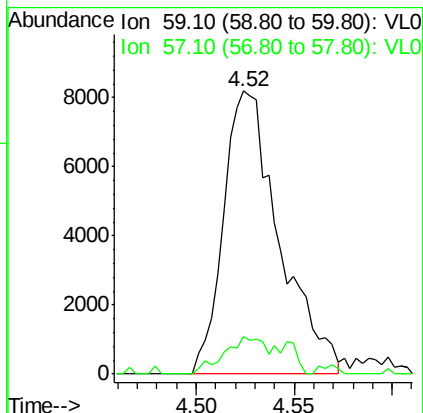
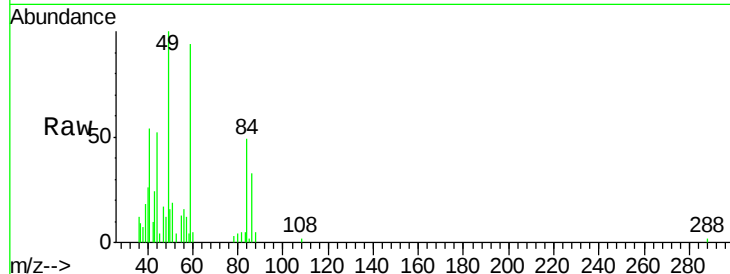
tert-Butyl alcohol
 Concen: 0.13 ppbv m
 RT: 4.52 min Scan# 1069
 Delta R.T. 0.04 min
 Lab File: VL031280.D
 Acq: 20 Dec 2017 21:59

Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-3DL

Tot Ion: 59 Resp: 16182
 Ion Ratio Lower Upper
 59 100
 57 14.8 8.2 12.2#

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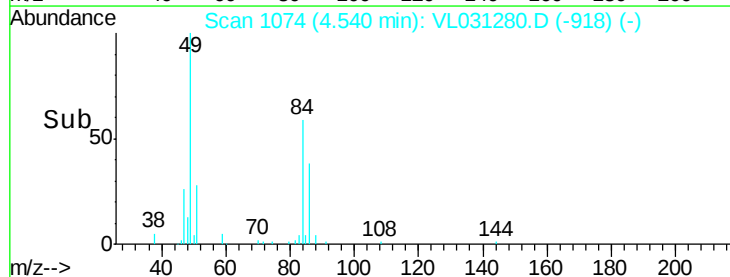
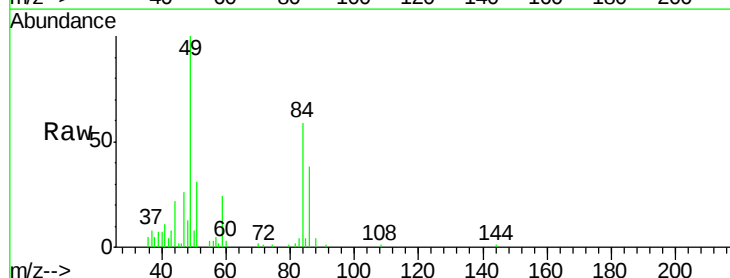
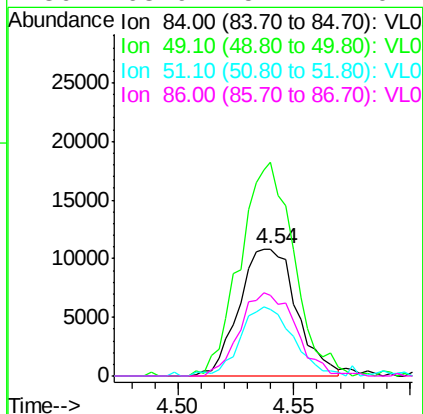
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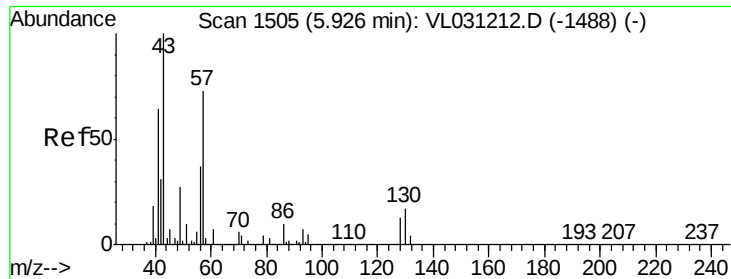


#20

Methylene Chloride
 Concen: 0.26 ppbv
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VL031280.D
 Acq: 20 Dec 2017 21:59

Tgt Ion: 84 Resp: 18624
 Ion Ratio Lower Upper
 84 100
 49 168.4 125.8 188.6
 51 52.0 39.3 58.9
 86 63.9 51.1 76.7





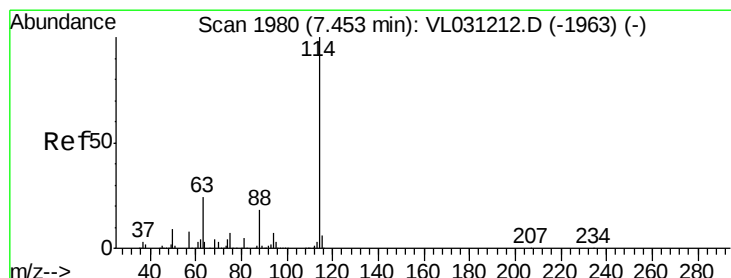
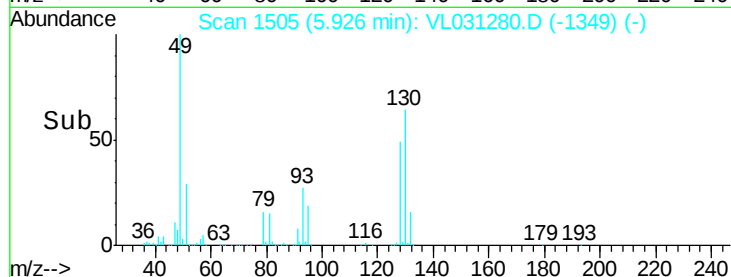
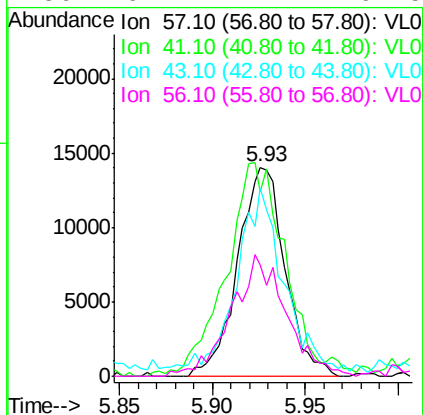
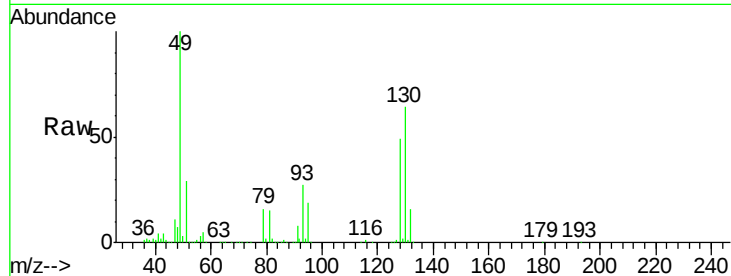
#26
Hexane
Concen: 0.12 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.00 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-3DL

Tot Ion	Ion	Ratio	Lower	Upper
57	100			
41	130.0	70.3	105.5#	
43	0.0	173.8	260.8#	
56	67.7	41.7	62.5#	

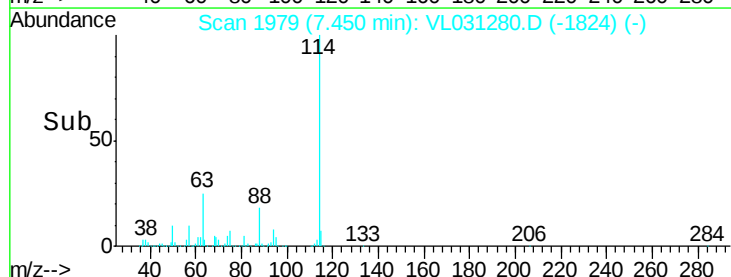
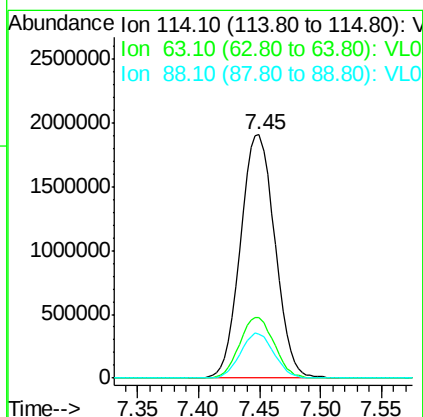
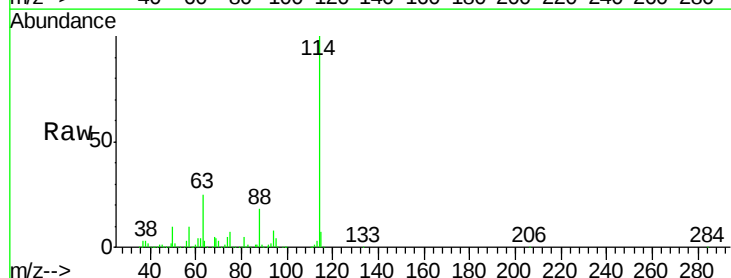
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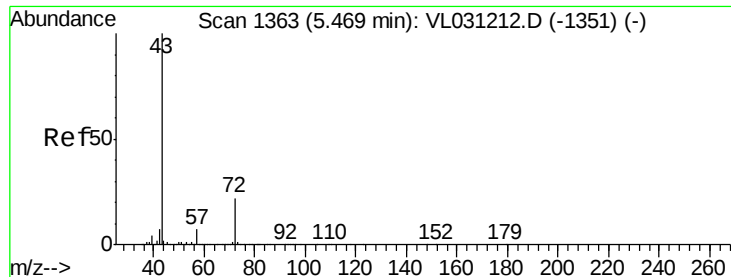
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#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.45 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Tgt Ion	Ion	Ratio	Lower	Upper
114	100			
63	25.1	19.8	29.8	
88	18.1	14.2	21.4	





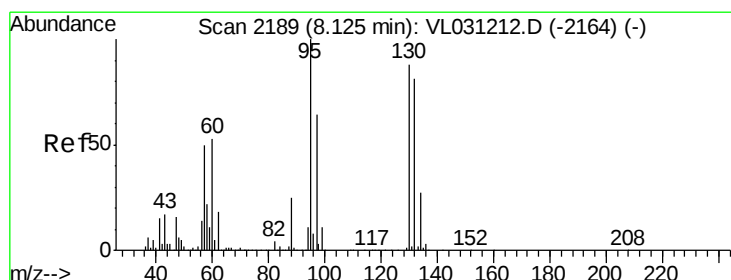
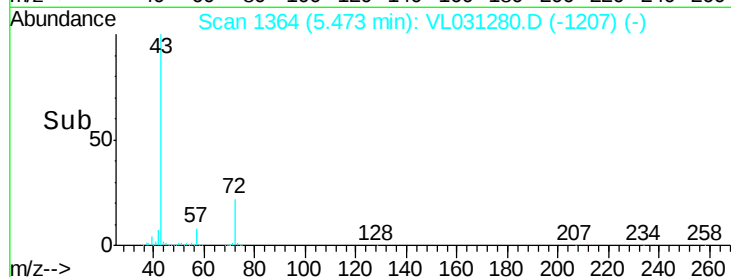
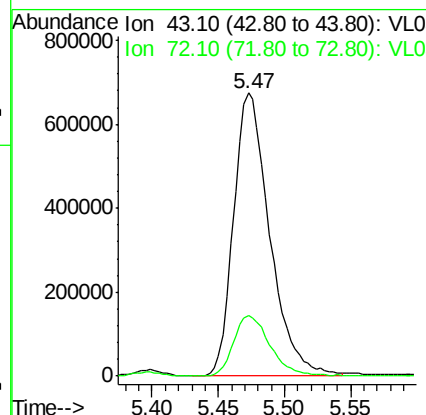
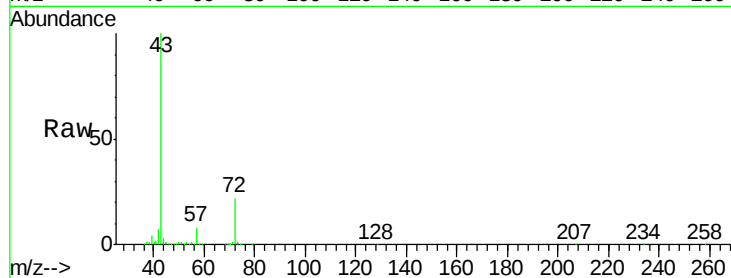
#34
2-Butanone
Concen: 4.86 ppbv
RT: 5.47 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-3DL

Tot Ion: 43 Resp: 1274490
Ion Ratio Lower Upper
43 100
72 21.9 18.1 27.1

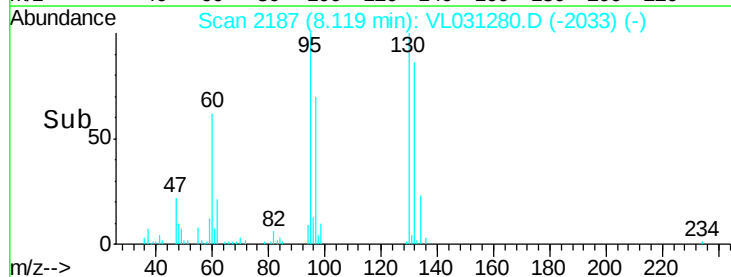
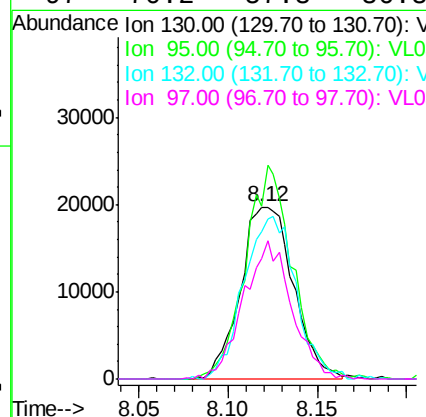
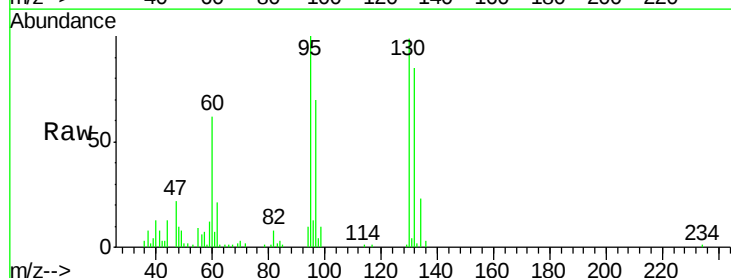
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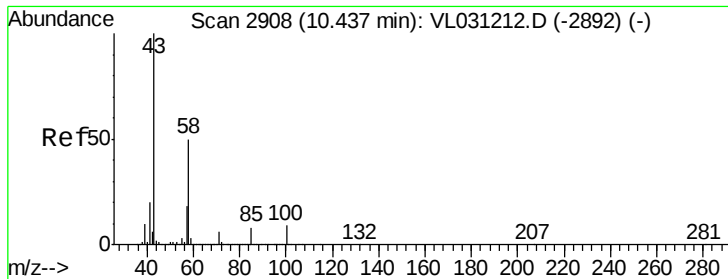
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#38
Trichloroethene
Concen: 0.27 ppbv
RT: 8.12 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Tgt Ion:130 Resp: 40731
Ion Ratio Lower Upper
130 100
95 100.7 90.6 135.8
132 84.4 73.5 110.3
97 70.2 57.8 86.8





#51

2-Hexanone

Concen: 0.10 ppbv m

RT: 10.47 min Scan# 2919

Delta R.T. 0.04 min

Lab File: VL031280.D

Acq: 20 Dec 2017 21:59

Instrument :

MSVOA_L

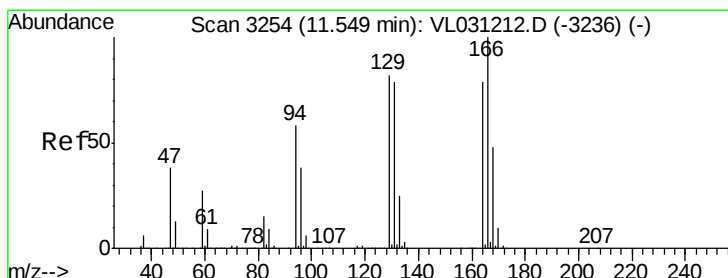
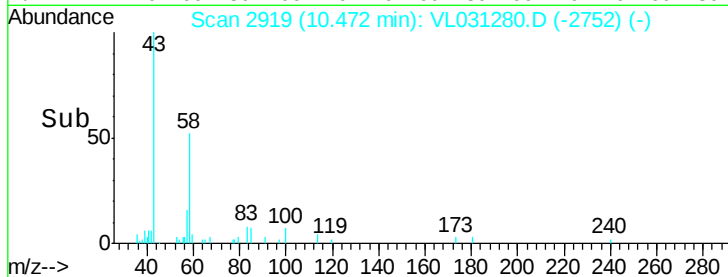
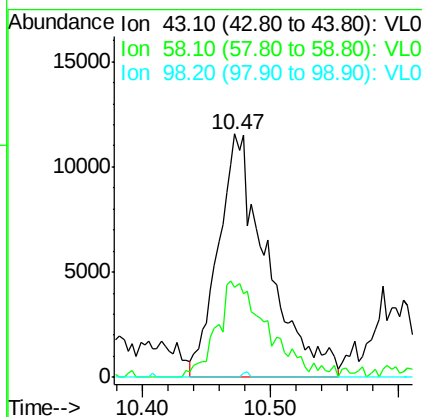
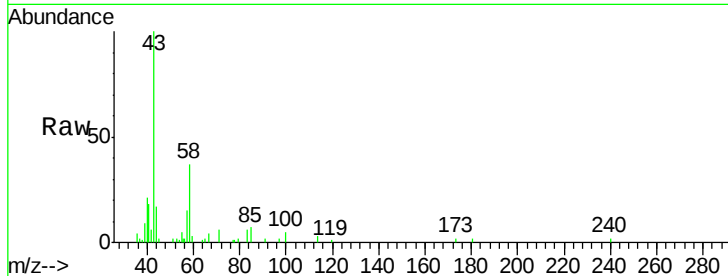
ClientSampleId :

EP1-SV-3DL

Tot Ion:	43	Resp:	30644
Ion Ratio	Lower	Upper	
43	100		
58	0.0	39.8	59.6#
98	0.0	0.0	0.0

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#52

Tetrachloroethene

Concen: 38.79 ppbv

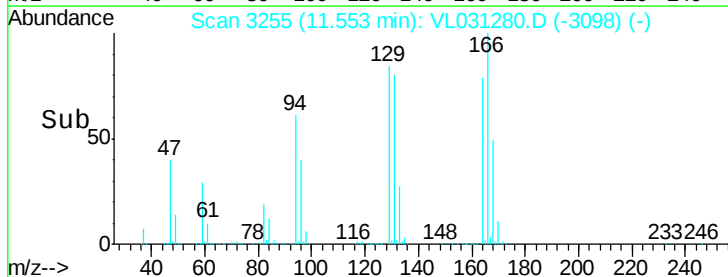
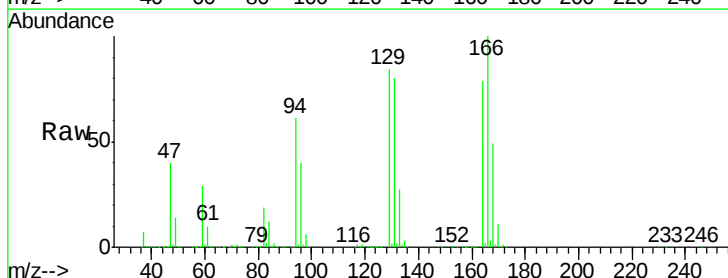
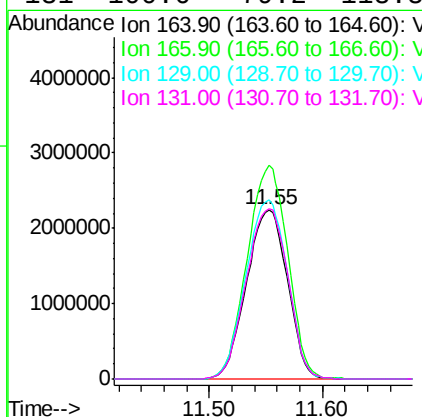
RT: 11.55 min Scan# 3255

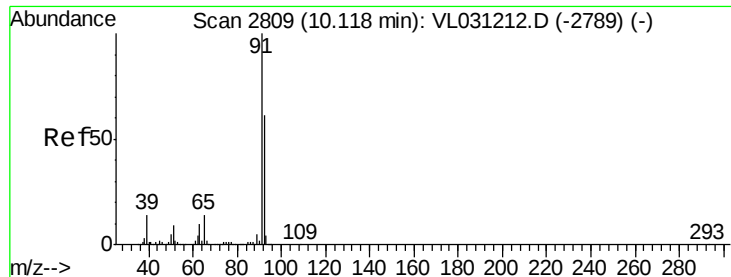
Delta R.T. 0.00 min

Lab File: VL031280.D

Acq: 20 Dec 2017 21:59

Tgt Ion:	164	Resp:	5629401
Ion Ratio	Lower	Upper	
164	100		
166	126.0	100.6	151.0
129	105.6	82.9	124.3
131	100.6	79.2	118.8





#53

Toluene

Concen: 0.34 ppbv

RT: 10.12 min Scan# 2808

Delta R.T. -0.00 min

Lab File: VL031280.D

Acq: 20 Dec 2017 21:59

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-3DL

Tot Ion: 91 Resp: 145351

Ion Ratio Lower Upper

91 100

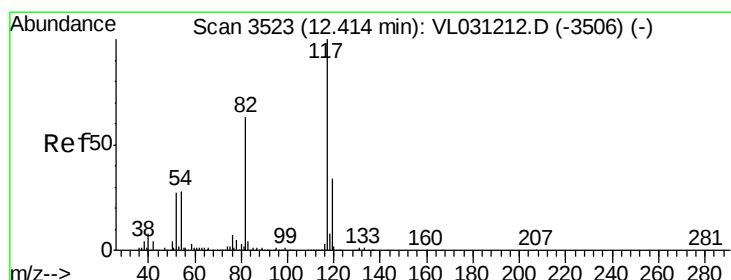
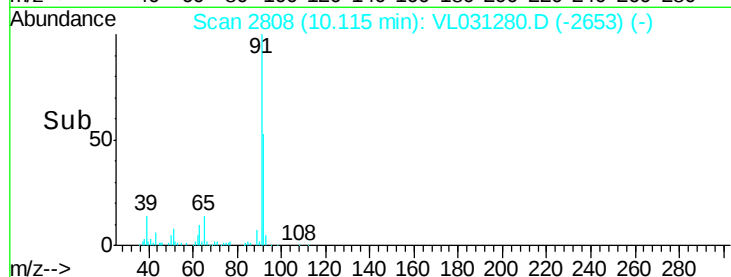
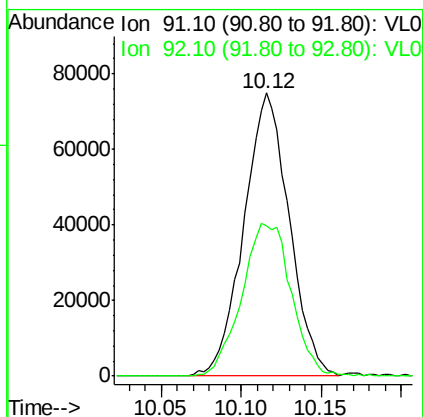
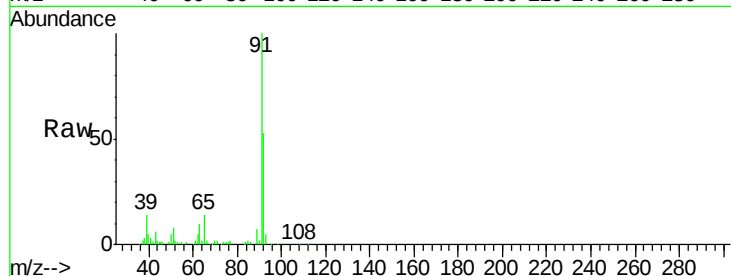
92 59.0 49.1 73.7

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.41 min Scan# 3522

Delta R.T. -0.00 min

Lab File: VL031280.D

Acq: 20 Dec 2017 21:59

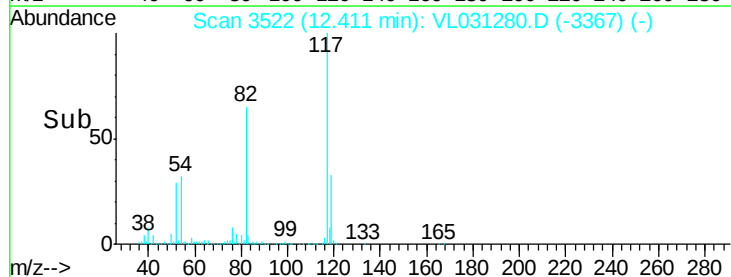
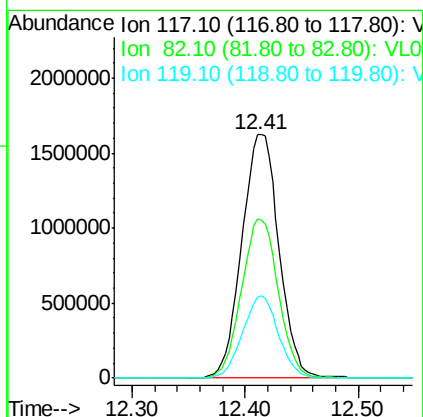
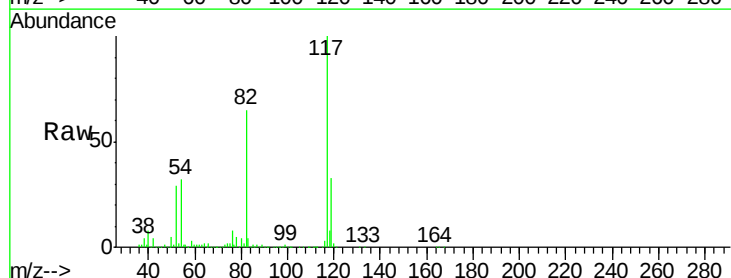
Tgt Ion: 117 Resp: 3704719

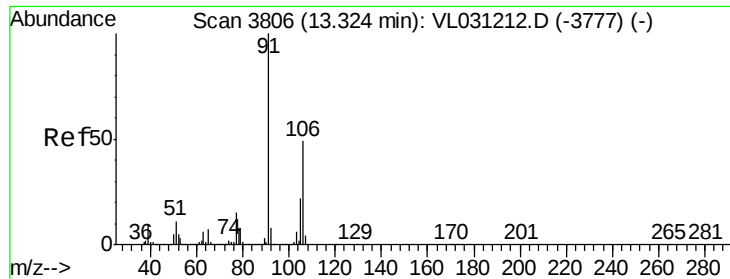
Ion Ratio Lower Upper

117 100

82 65.3 48.1 72.1

119 32.8 23.1 34.7





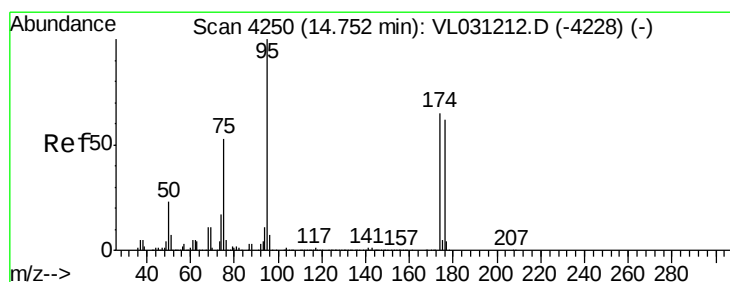
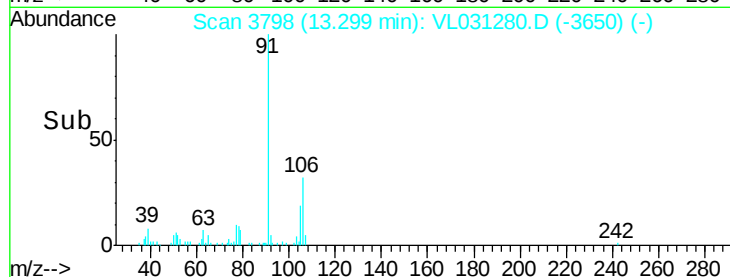
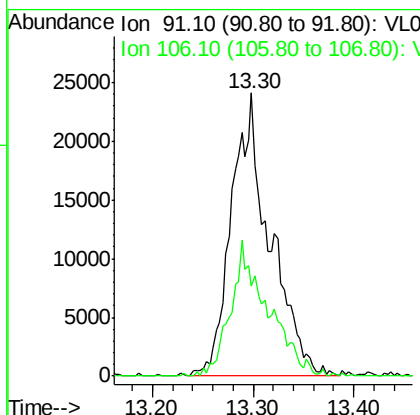
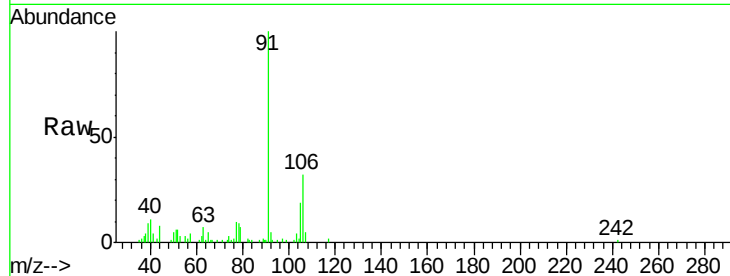
#59
m/p-Xylene
Concen: 0.13 ppbv m
RT: 13.30 min Scan# 3798
Delta R.T. -0.03 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-3DL

Tot Ion: 91 Resp: 63990
Ion Ratio Lower Upper
91 100
106 0.0 38.5 57.7#

Manual Integrations
APPROVED

MMDadoda
12/22/2017 4:54:56 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.95 ppbv
RT: 14.75 min Scan# 4248
Delta R.T. -0.01 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Tgt Ion: 95 Resp: 2885252
Ion Ratio Lower Upper
95 100
174 61.9 52.5 78.7
175 4.6 4.1 6.1

