

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031819\
 Data File : VL033384.D
 Acq On : 19 Mar 2019 10:21
 Operator : SY/AP
 Sample : K1805-04 2X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ST-SS-1

Manual Integrations
 APPROVED

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 3/21/2019 12:15:59 PM

Quant Time: Mar 20 11:15:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 16 11:15:28 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	744894	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1655375	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.24	117	1766430	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1343956	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	27396	0.209	ppbv	95
3) Chlorodifluoromethane	3.01	51	11338m	0.133	ppbv	
11) Trichlorofluoromethane	4.00	101	14656	0.112	ppbv	94
13) Ethanol	3.65	45	13849m	0.761	ppbv	
15) Acetone	3.91	43	103621	0.895	ppbv	93
20) Methylene Chloride	4.40	84	19898m	0.527	ppbv	
26) Hexane	5.78	57	36409	0.484	ppbv #	38
38) Trichloroethene	7.95	130	54544	0.973	ppbv	90
52) Tetrachloroethene	11.38	164	7034883	113.983	ppbv	94
53) Toluene	9.94	91	114356	0.679	ppbv	99

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

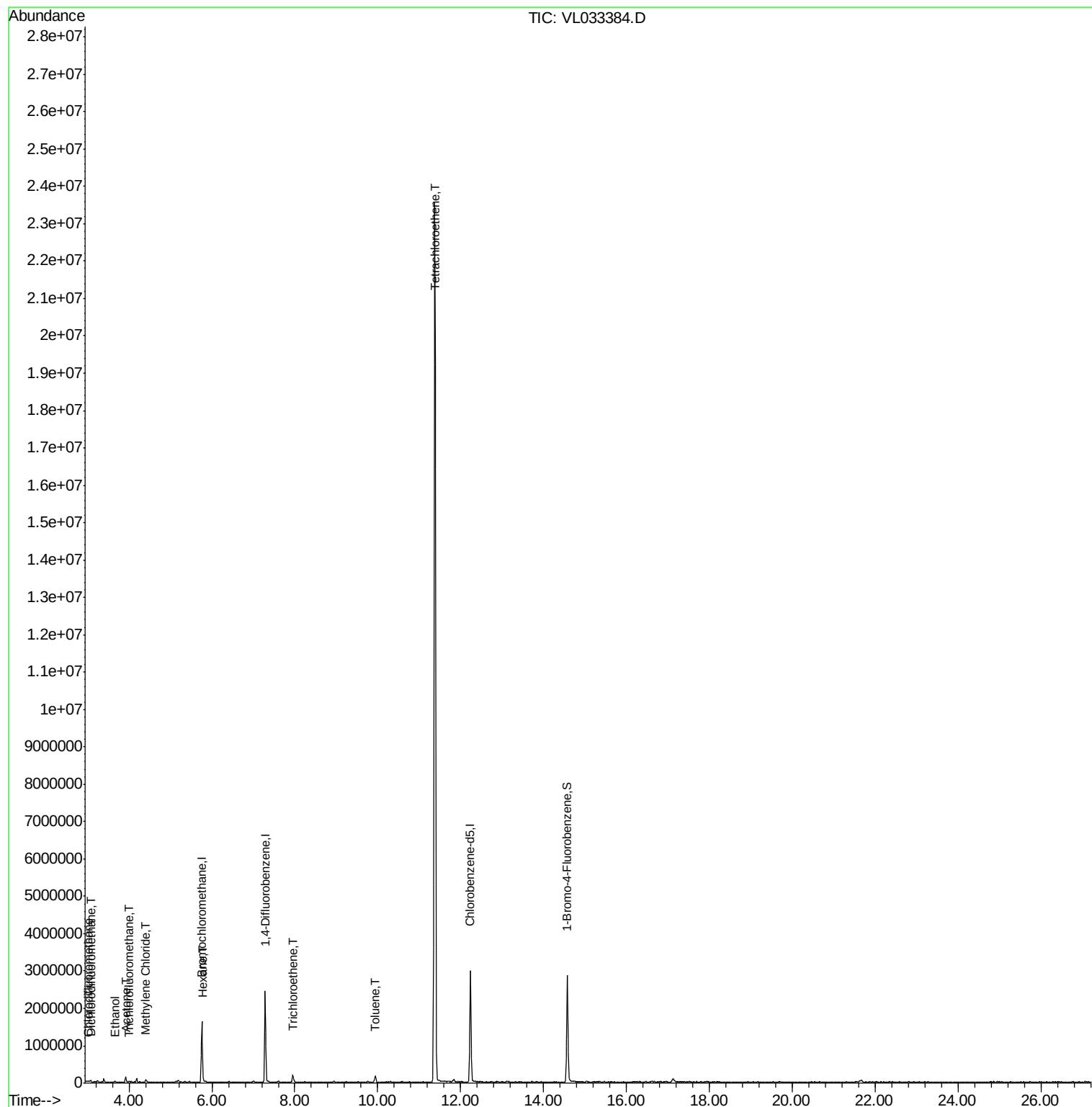
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL031819\
Data File : VL033384.D
Acq On : 19 Mar 2019 10:21
Operator : SY/AP
Sample : K1805-04 2X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

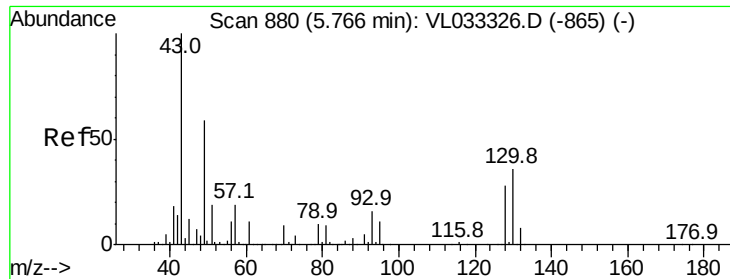
Instrument :
MSVOA_L
ClientSampleId :
ST-SS-1

Manual Integrations
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3/21/2019 12:15:59 PM

Quant Time: Mar 20 11:15:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033384.D

Acq: 19 Mar 2019 10:21

Instrument :

MSVOA_L

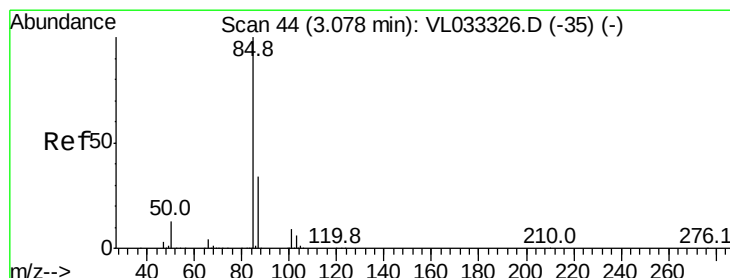
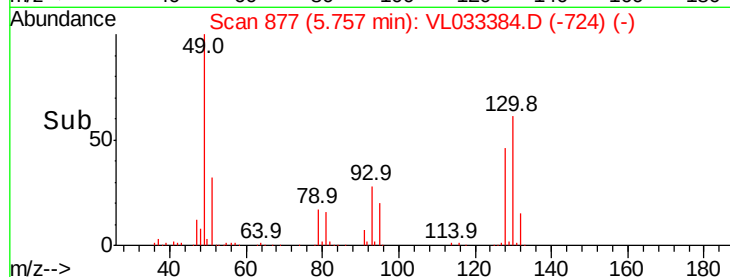
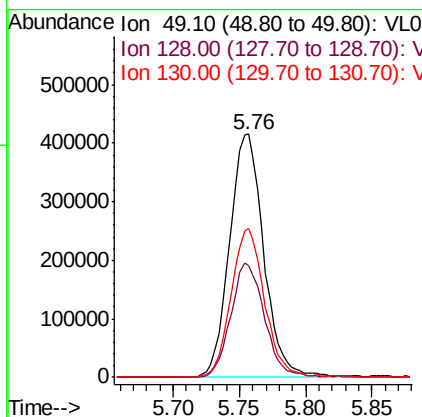
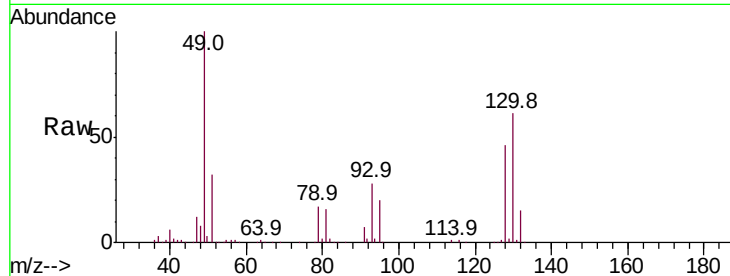
ClientSampled :

ST-SS-1

Tot Ion	Ratio	Lower	Upper
49	100		
128	46.9	23.5	70.6
130	60.7	30.1	90.3

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#2

Dichlorodifluoromethane

Concen: 0.209 ppbv

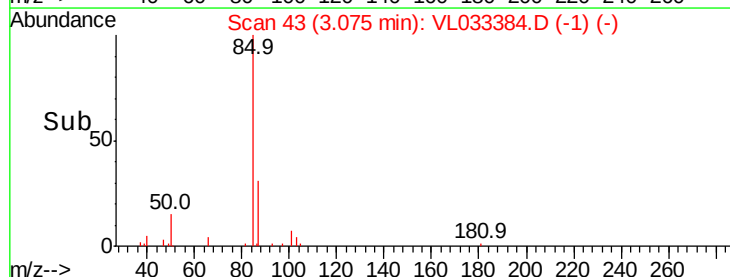
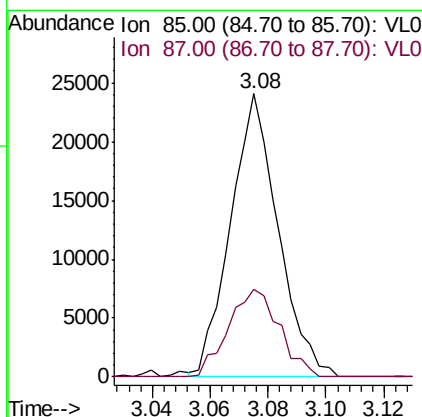
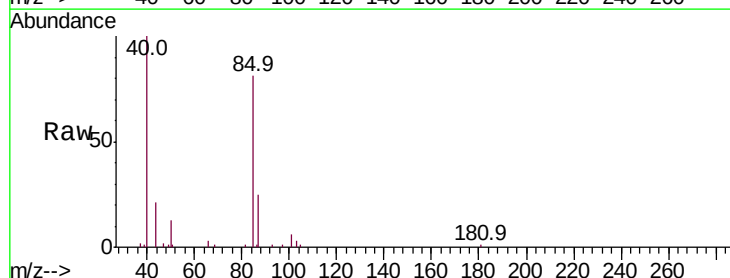
RT: 3.08 min Scan# 43

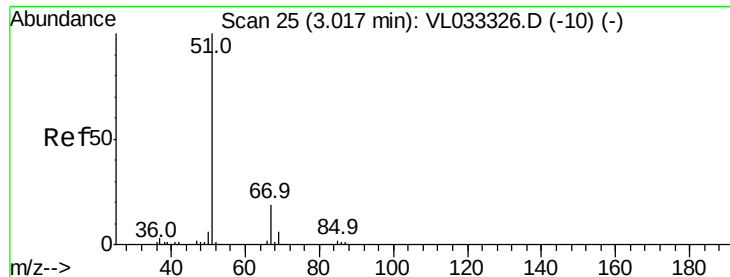
Delta R.T. -0.00 min

Lab File: VL033384.D

Acq: 19 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.7	26.9	40.3





#3

Chlorodifluoromethane

Concen: 0.133 ppbv

RT: 3.01 min Scan# 23

Delta R.T. -0.01 min

Lab File: VL033384.D

Acq: 19 Mar 2019 10:21

Instrument :

MSVOA_L

ClientSampled :

ST-SS-1

Tot Ion: 51 Resp: 11338

Ion Ratio Lower Upper

51 100

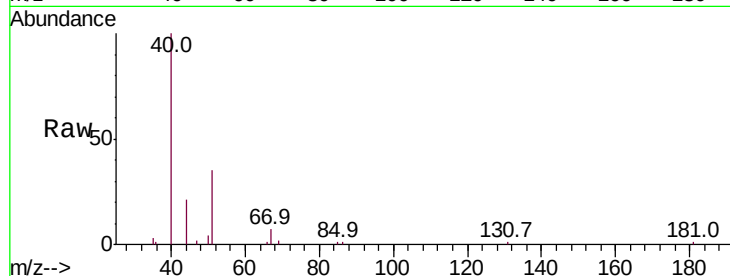
67 21.0 14.9 22.3

Manual Integrations

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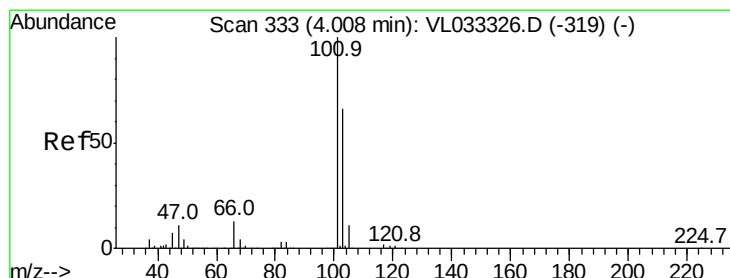
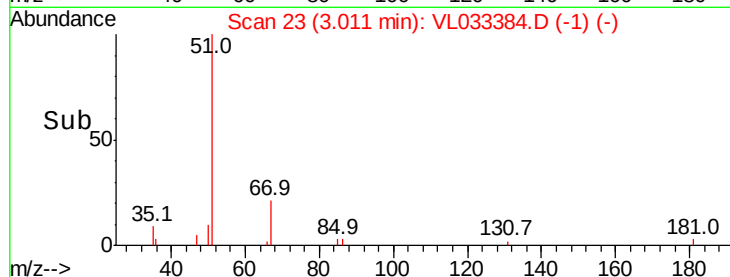
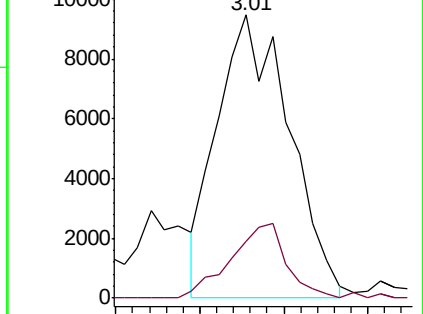
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#11

Trichlorofluoromethane

Concen: 0.112 ppbv

RT: 4.00 min Scan# 331

Delta R.T. -0.01 min

Lab File: VL033384.D

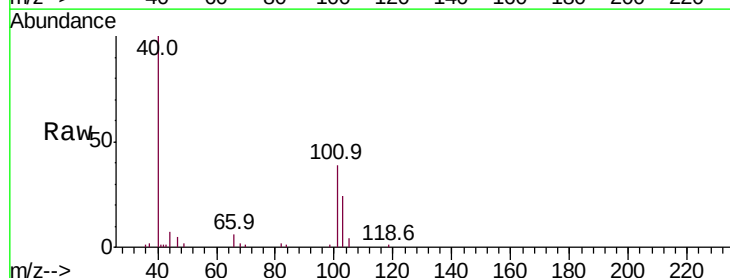
Acq: 19 Mar 2019 10:21

Tgt Ion: 101 Resp: 14656

Ion Ratio Lower Upper

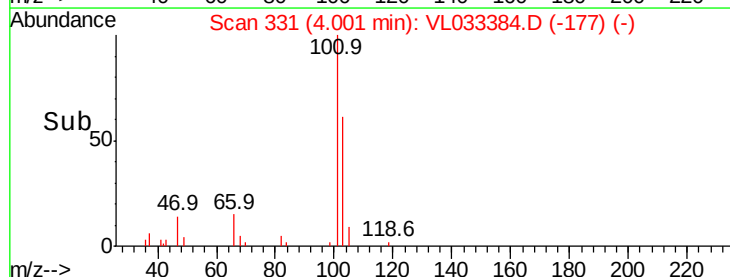
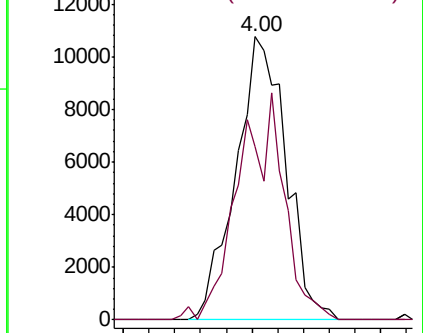
101 100

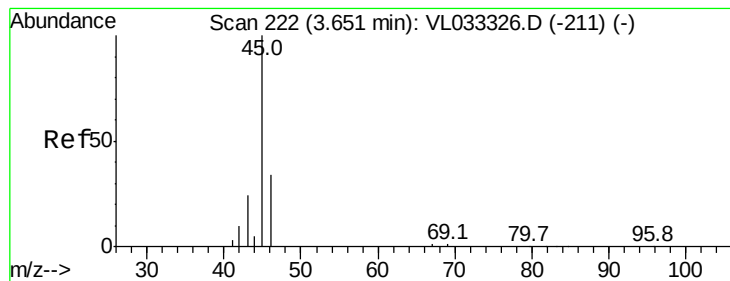
103 61.3 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#13

Ethanol

Concen: 0.761 ppbv m

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL033384.D

Acq: 19 Mar 2019 10:21

Instrument :

MSVOA_L

ClientSampleId :

ST-SS-1

Tot Ion: 45 Resp: 13849

Ion Ratio Lower Upper

45 100

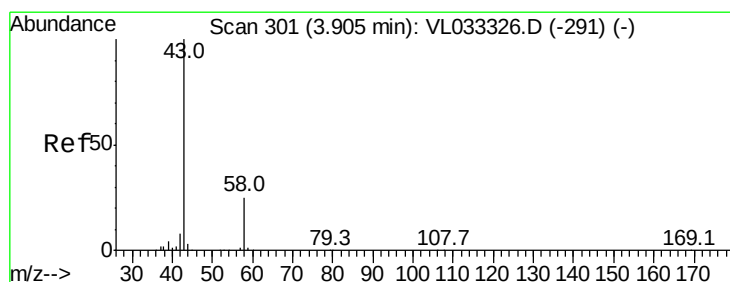
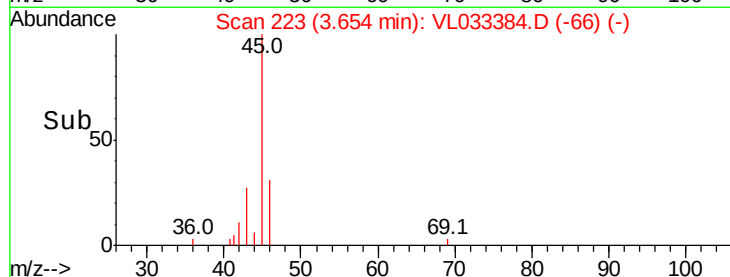
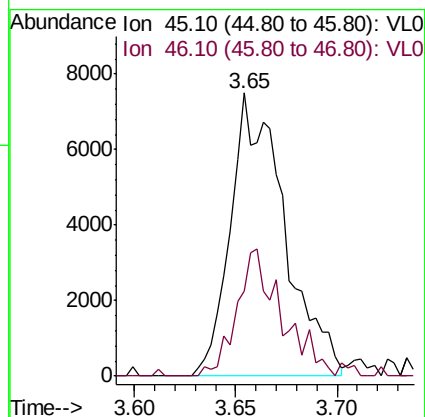
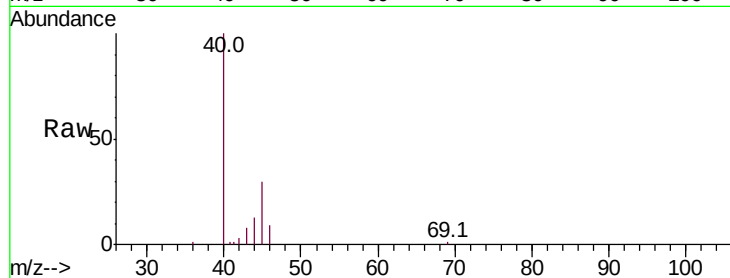
46 0.0 14.9 59.7#

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#15

Acetone

Concen: 0.895 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.01 min

Lab File: VL033384.D

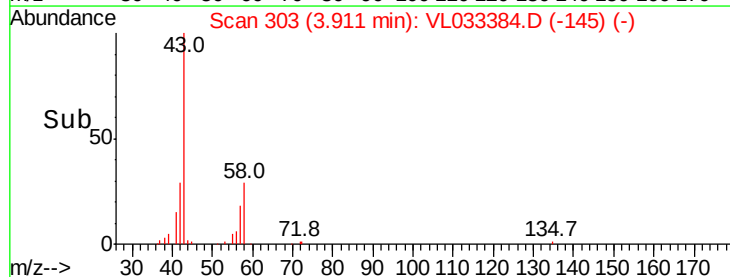
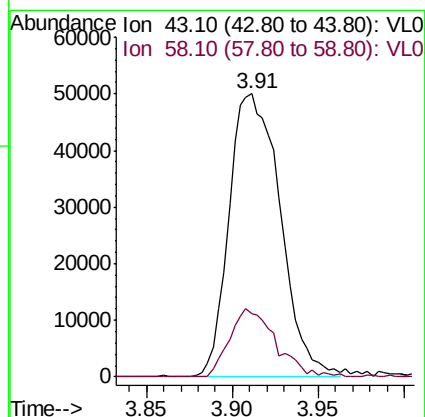
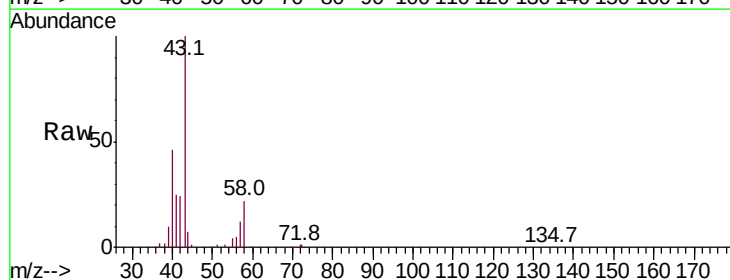
Acq: 19 Mar 2019 10:21

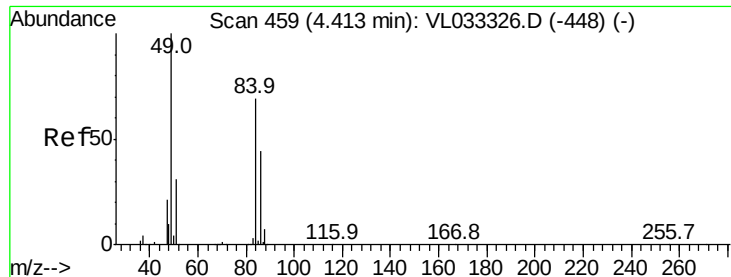
Tgt Ion: 43 Resp: 103621

Ion Ratio Lower Upper

43 100

58 22.0 20.4 30.6





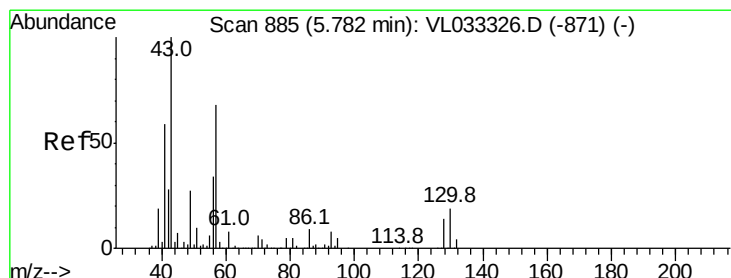
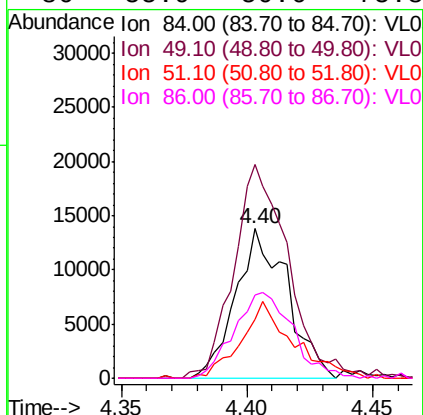
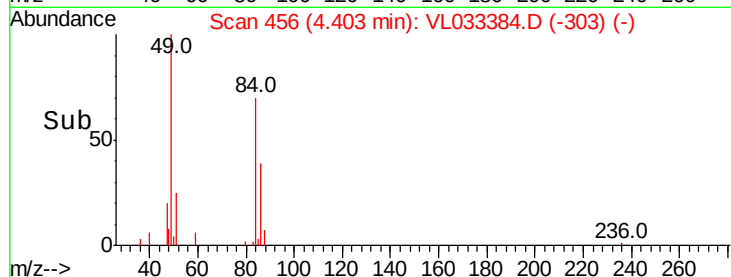
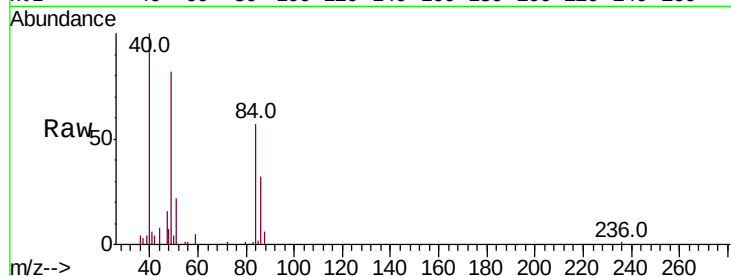
#20
Methvlene Chloride
Concen: 0.527 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.01 min
Lab File: VL033384.D
Acq: 19 Mar 2019 10:21

Instrument :
MSVOA_L
ClientSampleId :
ST-SS-1

Tot Ion	84	Resp	19898
Ion	Ratio	Lower	Upper
84	100		
49	143.0	115.4	173.0
51	39.3	35.8	53.6
86	55.9	50.6	75.8

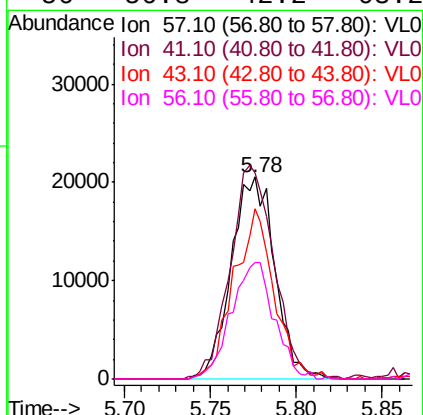
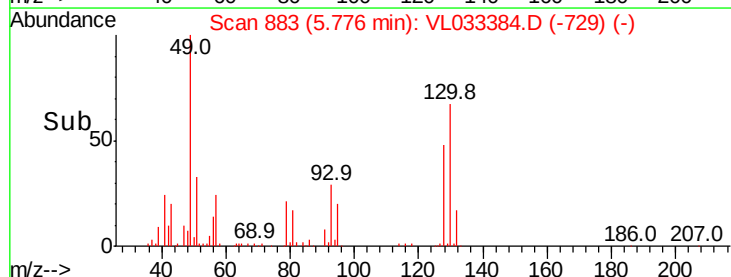
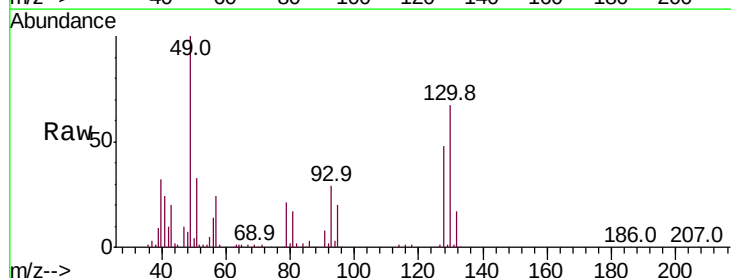
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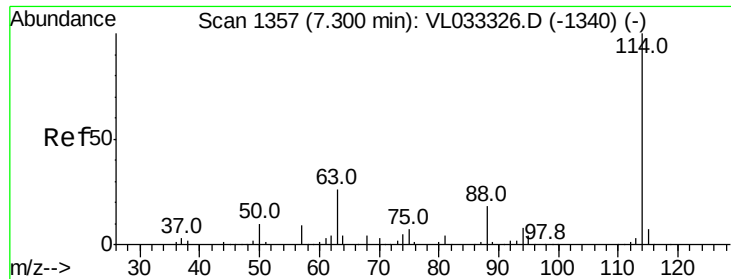
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#26
Hexane
Concen: 0.484 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033384.D
Acq: 19 Mar 2019 10:21

Tgt Ion	57	Resp	36409
Ion	Ratio	Lower	Upper
57	100		
41	106.5	70.5	105.7#
43	78.1	181.8	272.8#
56	56.8	42.2	63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.02 min

Lab File: VL033384.D

Acq: 19 Mar 2019 10:21

Instrument :

MSVOA_L

ClientSampleId :

ST-SS-1

Tot Ion:114 Resp: 1655375

Ion Ratio Lower Upper

114 100

63 27.0 21.4 32.2

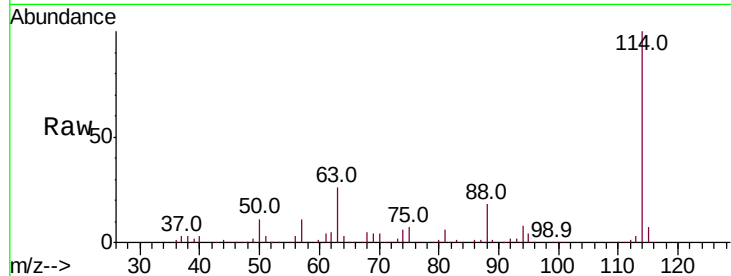
88 18.4 14.5 21.7

Manual Integrations

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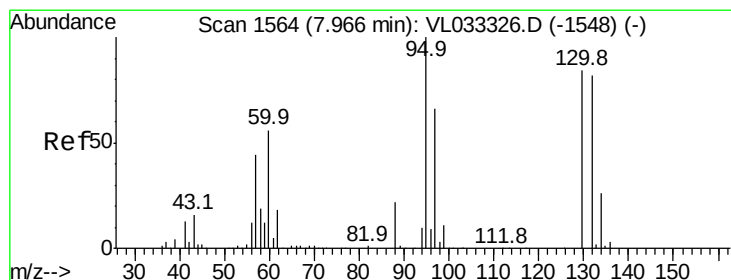
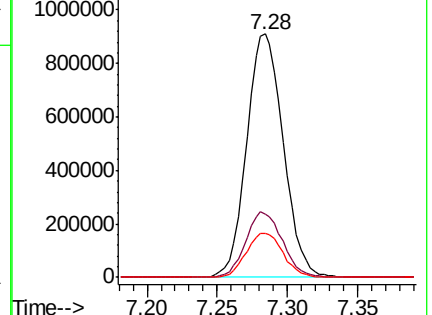
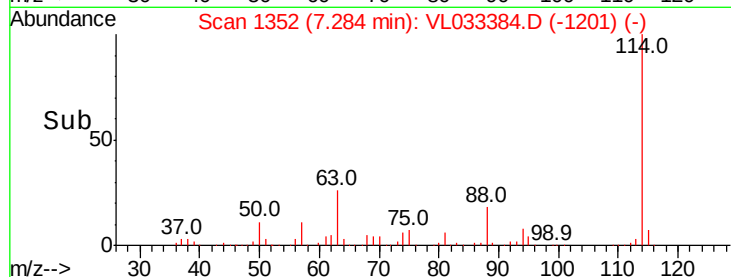
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#38

Trichloroethene

Concen: 0.973 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VL033384.D

Acq: 19 Mar 2019 10:21

Tgt Ion:130 Resp: 54544

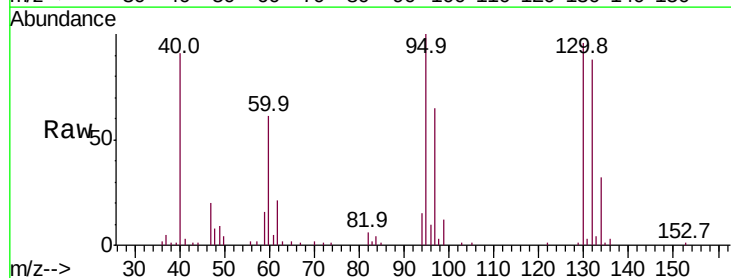
Ion Ratio Lower Upper

130 100

95 101.5 95.2 142.8

132 95.6 77.7 116.5

97 67.5 62.8 94.2

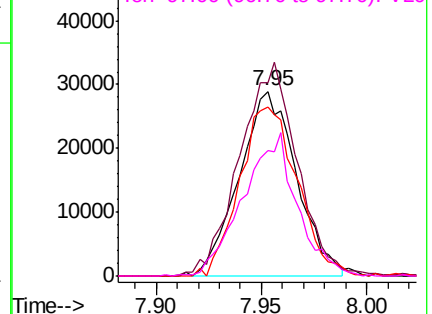
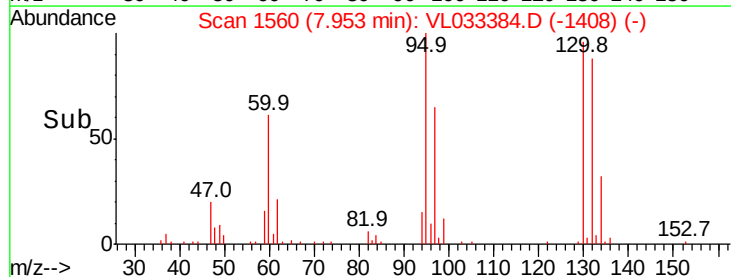


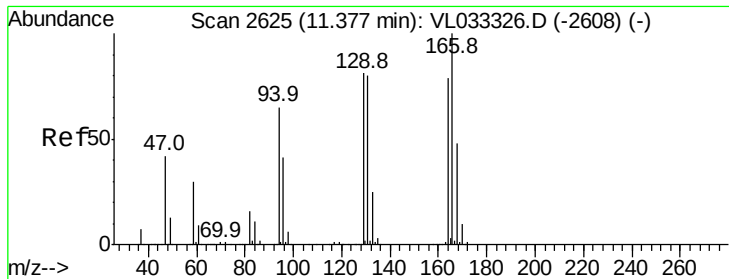
Abundance Ion 130.00 (129.70 to 130.70): V

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





#52

Tetrachloroethene

Concen: 113.983 ppbv

RT: 11.38 min Scan# 2626

Delta R.T. 0.00 min

Lab File: VL033384.D

Acq: 19 Mar 2019 10:21

Instrument :

MSVOA_L

ClientSampled :

ST-SS-1

Tot Ion:164 Resp: 7034883

Ion Ratio Lower Upper

164 100

166 123.4 101.5 152.3

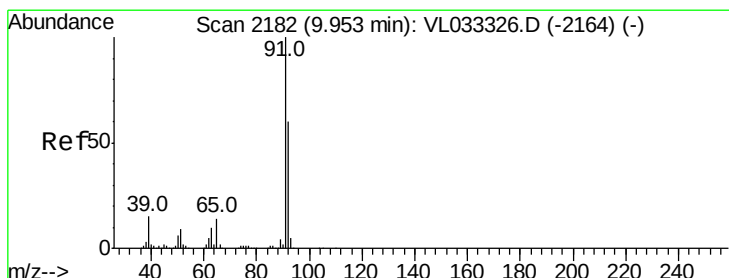
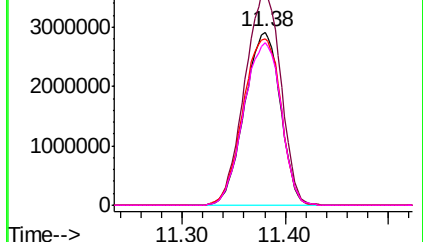
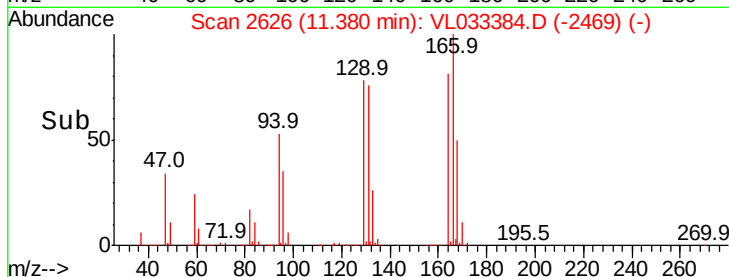
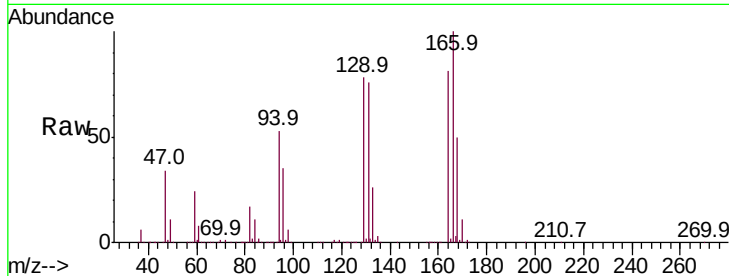
129 95.9 82.2 123.2

131 94.0 81.1 121.7

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#53

Toluene

Concen: 0.679 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.01 min

Lab File: VL033384.D

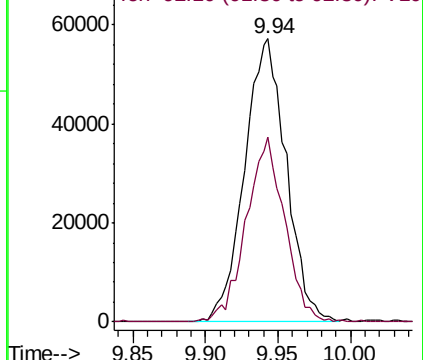
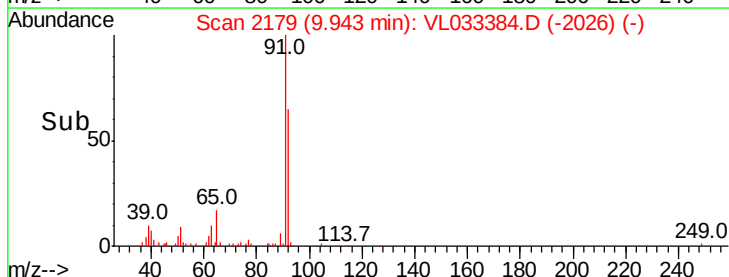
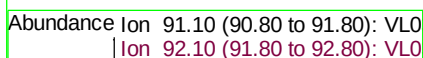
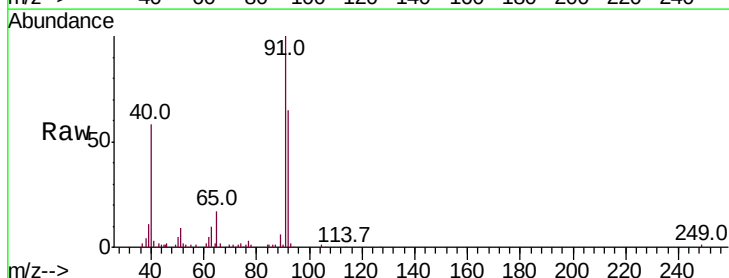
Acq: 19 Mar 2019 10:21

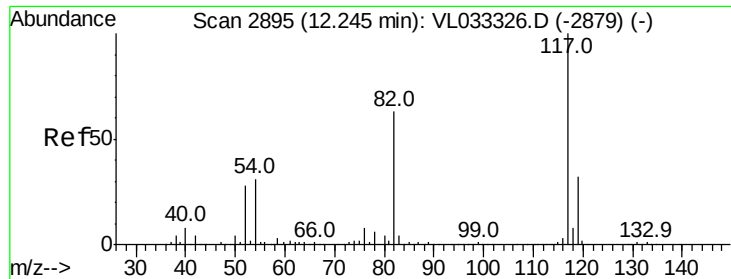
Tgt Ion: 91 Resp: 114356

Ion Ratio Lower Upper

91 100

92 60.2 47.4 71.0





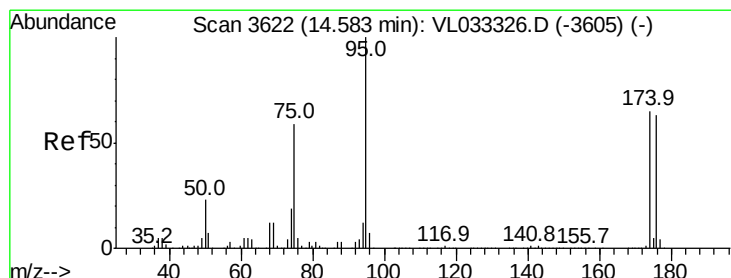
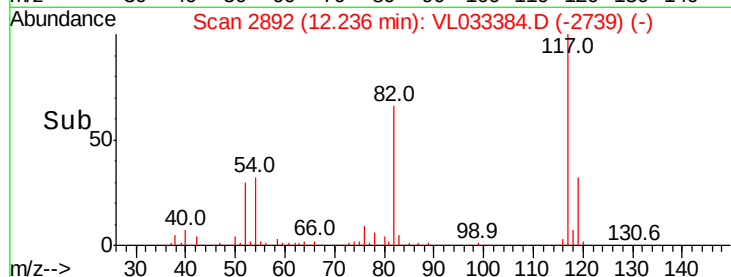
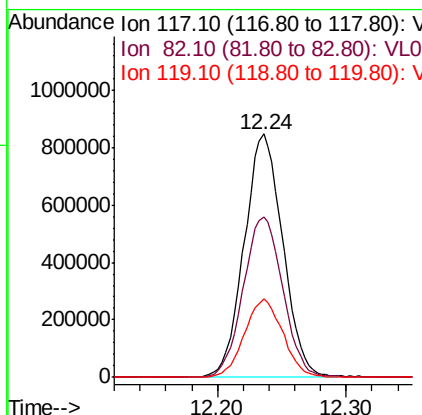
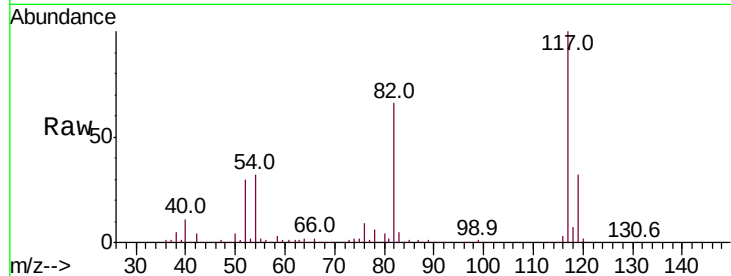
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033384.D
Acq: 19 Mar 2019 10:21

Instrument :
MSVOA_L
ClientSampleId :
ST-SS-1

Tot Ion:117 Resp: 1766430
Ion Ratio Lower Upper
117 100
82 68.0 53.4 80.2
119 32.1 27.3 40.9

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.268 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033384.D
Acq: 19 Mar 2019 10:21

Tgt Ion: 95 Resp: 1343956
Ion Ratio Lower Upper
95 100
174 64.4 51.5 77.3
175 4.7 3.8 5.6

