

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010419\
 Data File : VL033078.D
 Acq On : 4 Jan 2019 21:41
 Operator : SY/AP
 Sample : J6594-02DL2 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVI-OA1-2018-12-19DL2

Quant Time: Jan 05 01:52:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019
 QLast Update : Fri Jan 04 16:09:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	985348	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2385126	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2223697	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1699506	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

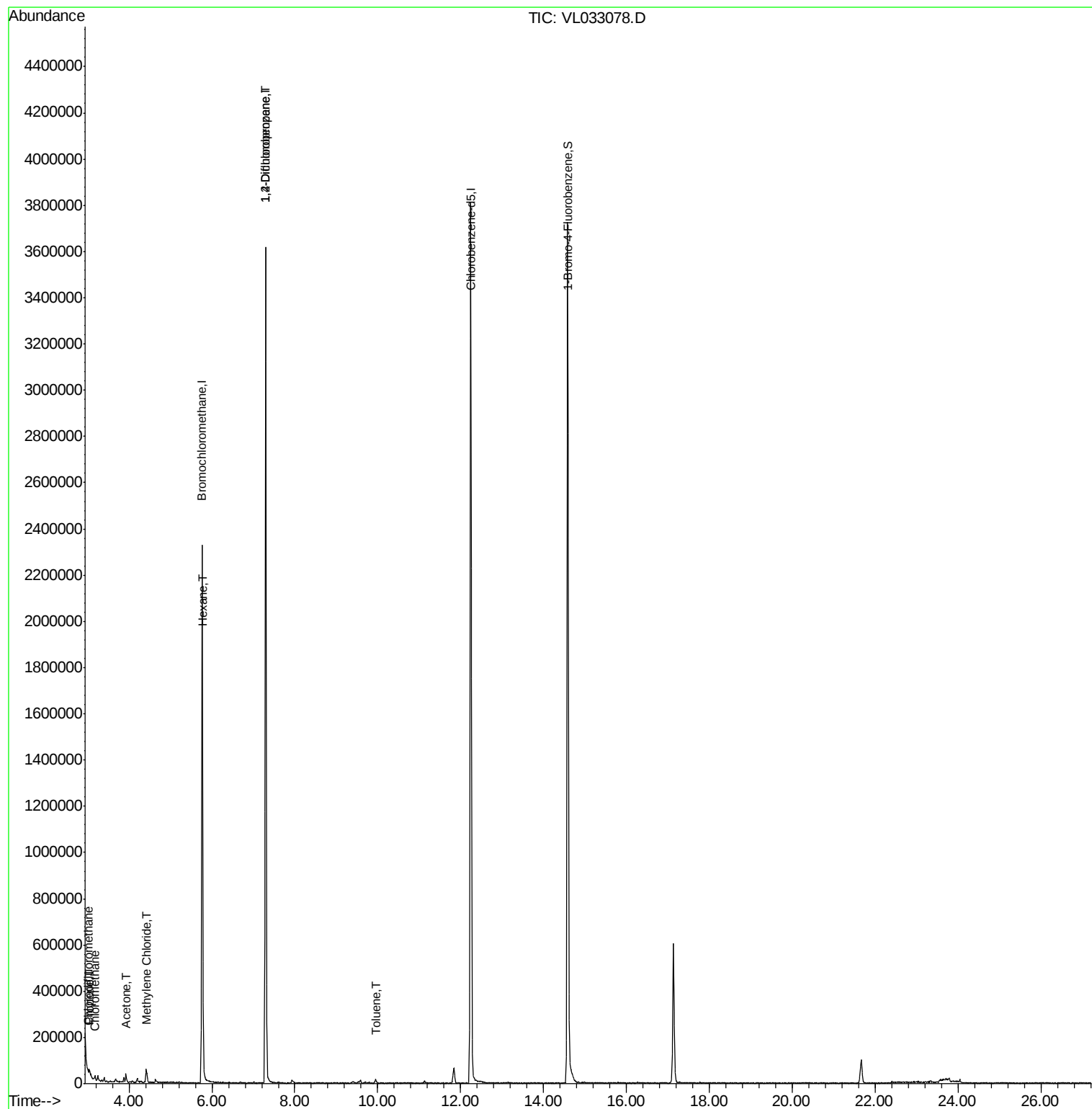
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.02	51	3708	0.033	ppbv	96
4) Chloromethane	3.17	50	11008	0.172	ppbv #	86
9) Propene	3.04	41	1931	0.046	ppbv #	15
15) Acetone	3.93	43	25961	0.190	ppbv	98
20) Methylene Chloride	4.42	84	15763	0.277	ppbv #	78
26) Hexane	5.78	57	5798	0.053	ppbv #	33
39) 1,2-Dichloropropane	7.29	63	610315	8.315	ppbv #	23
53) Toluene	9.95	91	6389	0.031	ppbv #	52

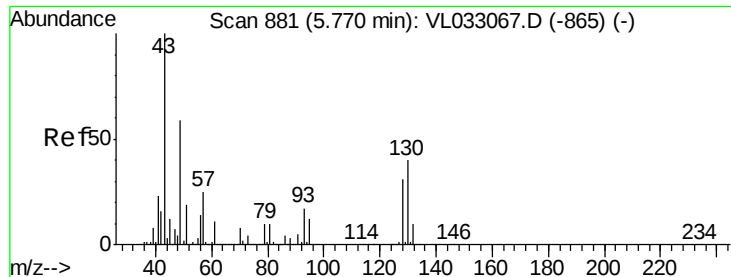
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033078.D

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MSVOA_L

ClientSampleId :

SVI-OA1-2018-12-19DL2

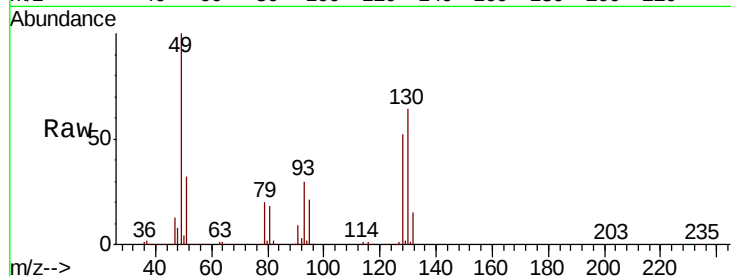
Tgt Ion: 49 Resp: 985348

Ion Ratio Lower Upper

49 100

128 52.5 26.2 78.5

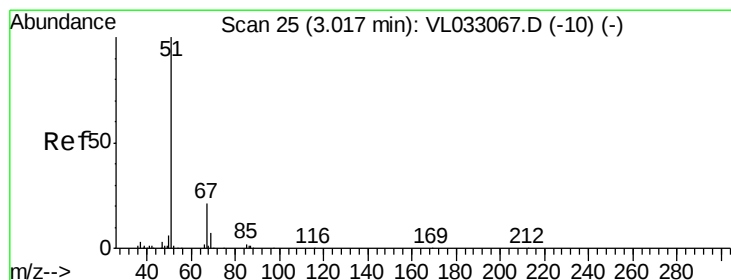
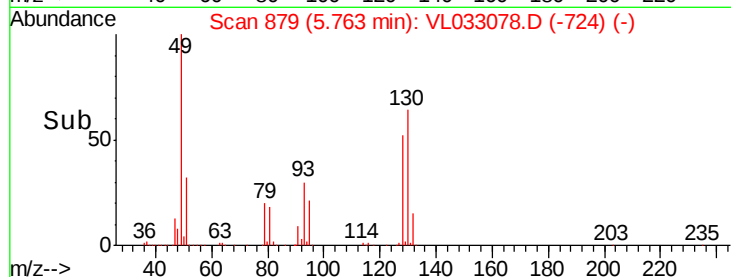
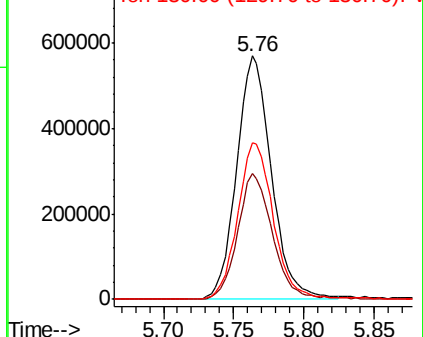
130 66.6 33.6 100.6



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: 0.033 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033078.D

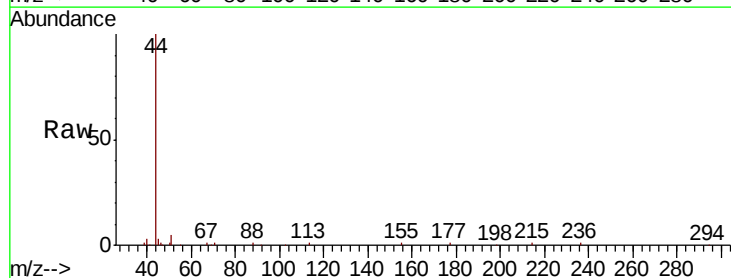
Acq: 4 Jan 2019 21:41

Tgt Ion: 51 Resp: 3708

Ion Ratio Lower Upper

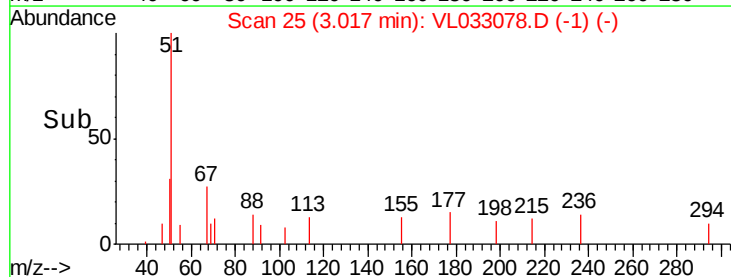
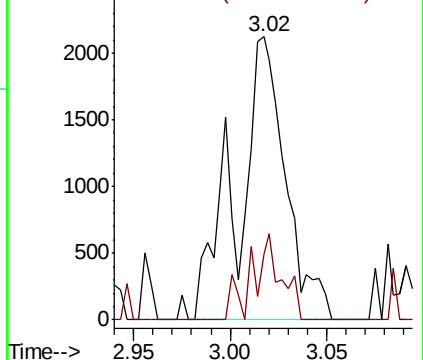
51 100

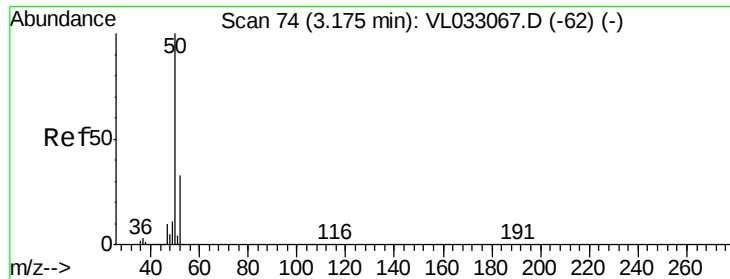
67 18.4 16.3 24.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.172 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033078.D

Acq: 4 Jan 2019 21:41

Instrument :

MSVOA_L

ClientSampleId :

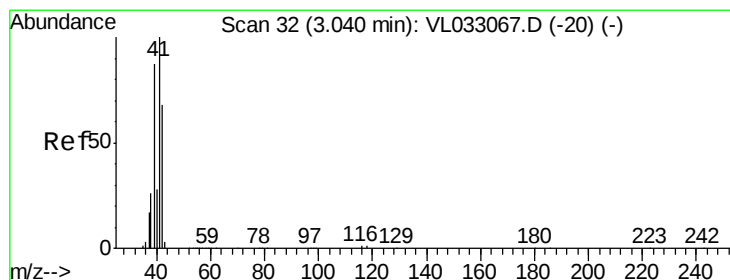
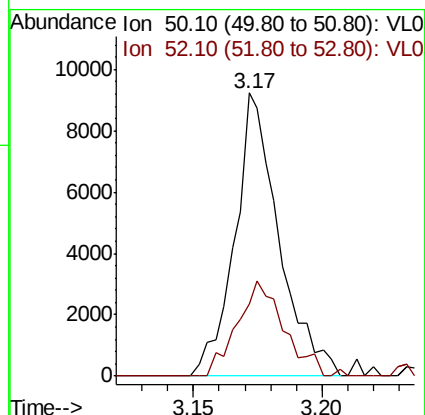
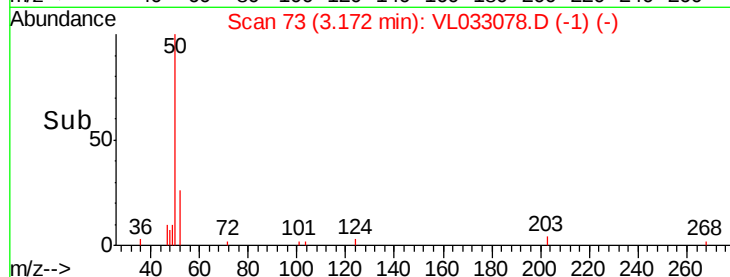
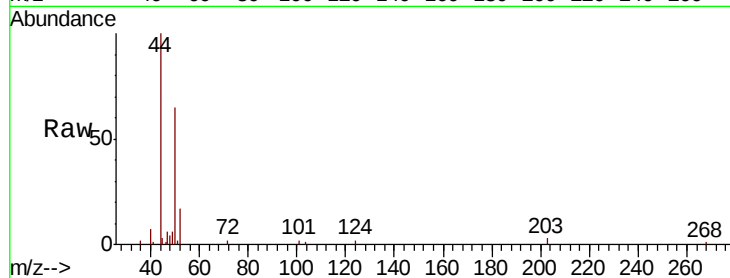
SVI-OA1-2018-12-19DL2

Tgt Ion: 50 Resp: 11008

Ion Ratio Lower Upper

50 100

52 25.5 26.9 40.3#



#9

Propene

Concen: 0.046 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.01 min

Lab File: VL033078.D

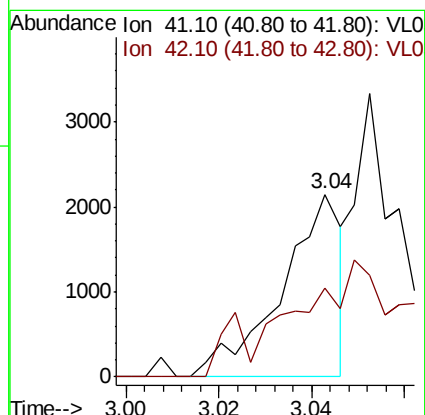
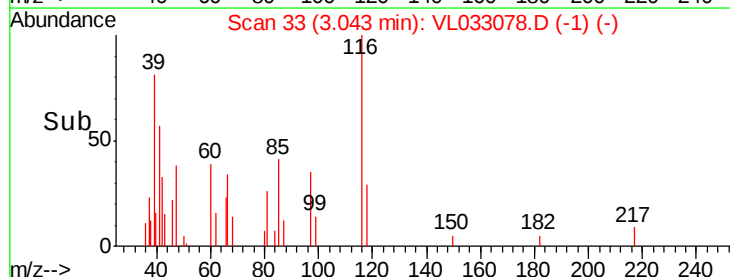
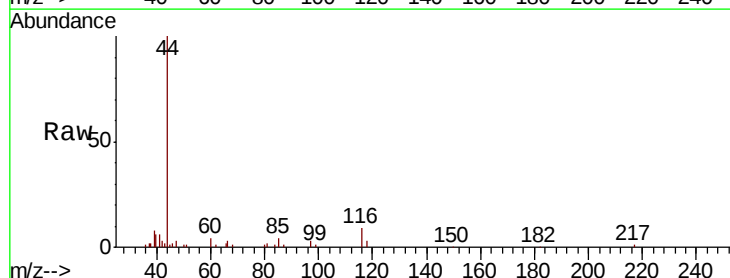
Acq: 4 Jan 2019 21:41

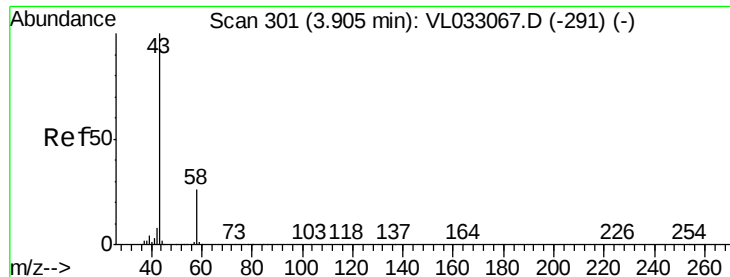
Tgt Ion: 41 Resp: 1931

Ion Ratio Lower Upper

41 100

42 0.0 55.3 82.9#





#15

Acetone

Concen: 0.190 ppbv

RT: 3.93 min Scan# 309

Delta R.T. 0.03 min

Lab File: VL033078.D

Acq: 4 Jan 2019 21:41

Instrument :

MSVOA_L

ClientSampleId :

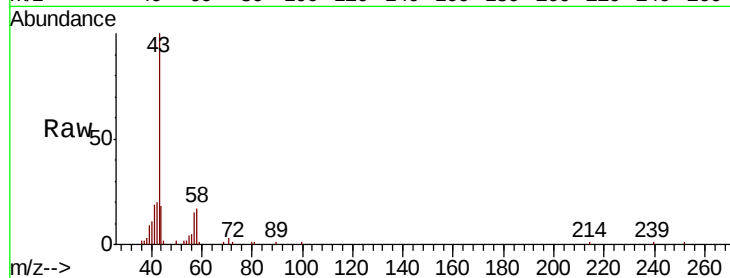
SVI-OA1-2018-12-19DL2

Tgt Ion: 43 Resp: 25961

Ion Ratio Lower Upper

43 100

58 25.2 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.93

20000

15000

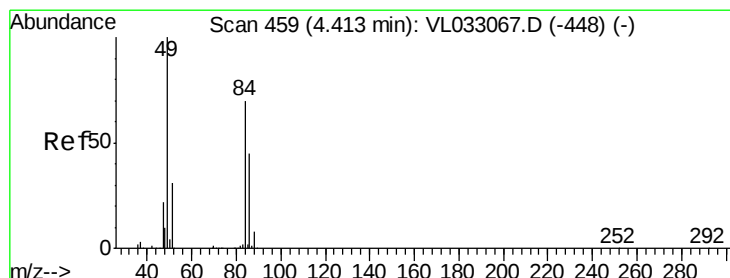
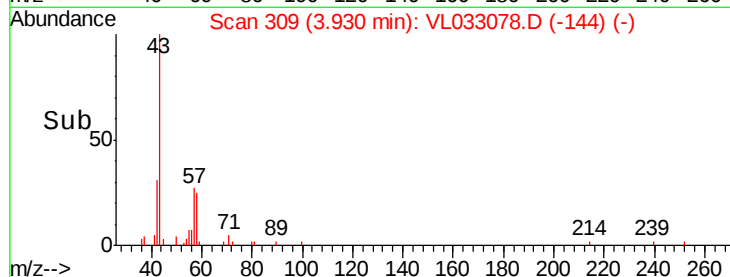
10000

5000

0

Time-->

3.90 3.95



#20

Methylene Chloride

Concen: 0.277 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.01 min

Lab File: VL033078.D

Acq: 4 Jan 2019 21:41

Tgt Ion: 84 Resp: 15763

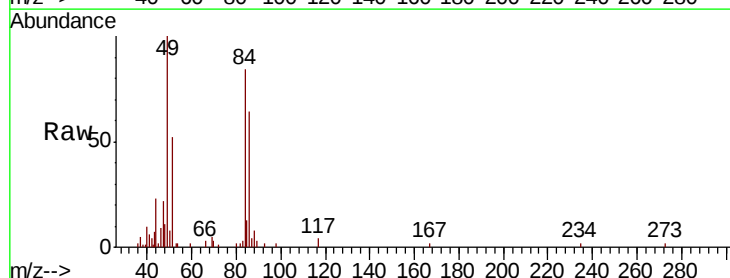
Ion Ratio Lower Upper

84 100

49 115.4 115.8 173.6#

51 58.4 35.7 53.5#

86 76.3 49.7 74.5#



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

20000

15000

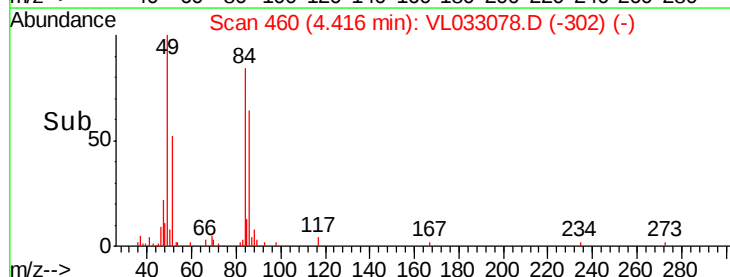
10000

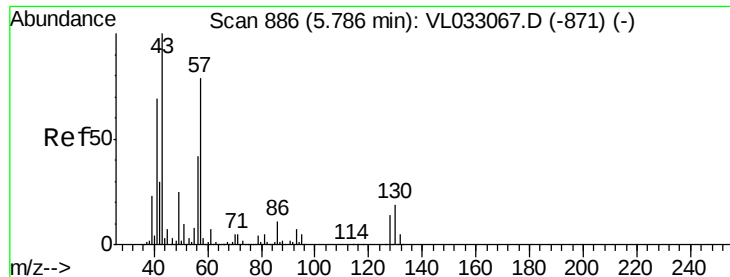
5000

0

Time-->

4.40 4.45





#26

Hexane

Concen: 0.053 ppbv

RT: 5.78 min Scan# 885

Delta R.T. 0.00 min

Lab File: VL033078.D

Acq: 4 Jan 2019 21:41

Instrument :

MSVOA_L

ClientSampleId :

SVI-OA1-2018-12-19DL2

Tgt Ion: 57 Resp: 5798

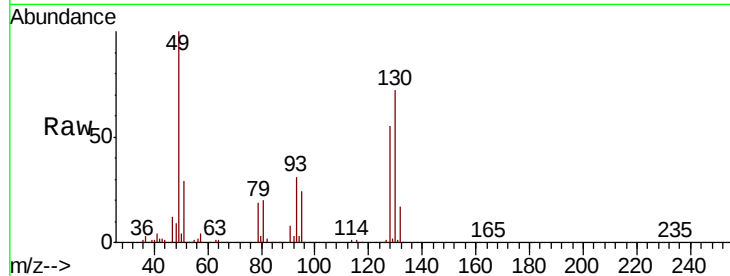
Ion Ratio Lower Upper

57 100

41 167.1 70.8 106.2#

43 120.7 171.8 257.6#

56 102.1 41.9 62.9#

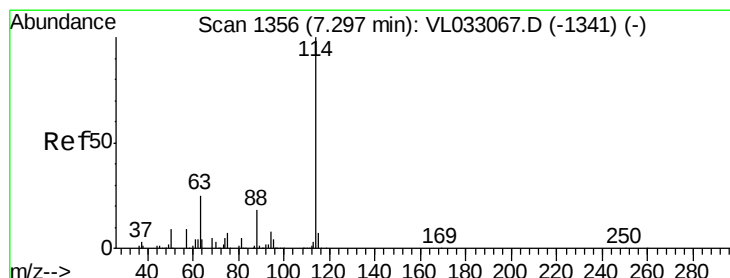
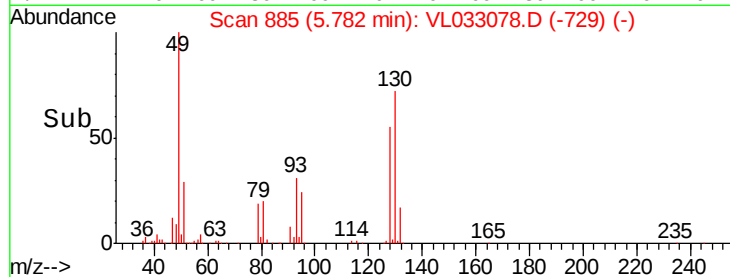
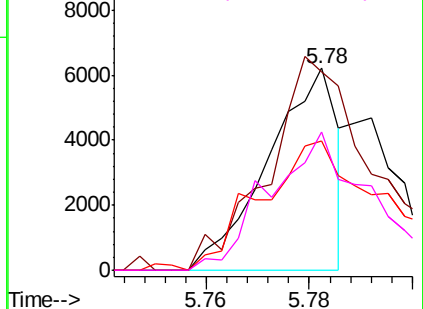


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.00 min

Lab File: VL033078.D

Acq: 4 Jan 2019 21:41

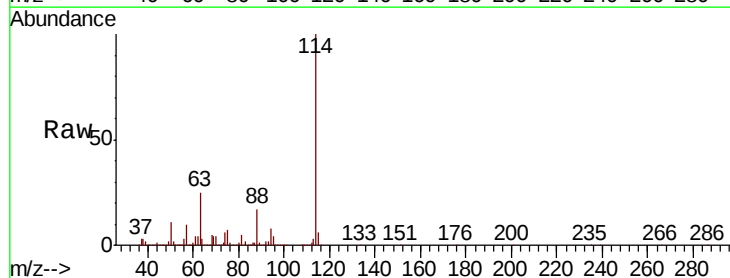
Tgt Ion: 114 Resp: 2385126

Ion Ratio Lower Upper

114 100

63 25.8 20.1 30.1

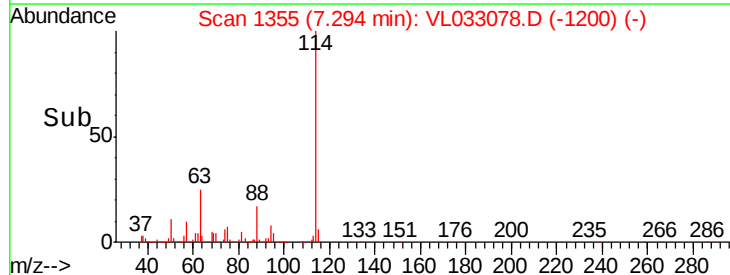
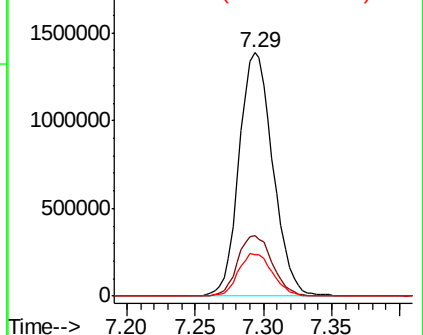
88 17.7 14.0 21.0

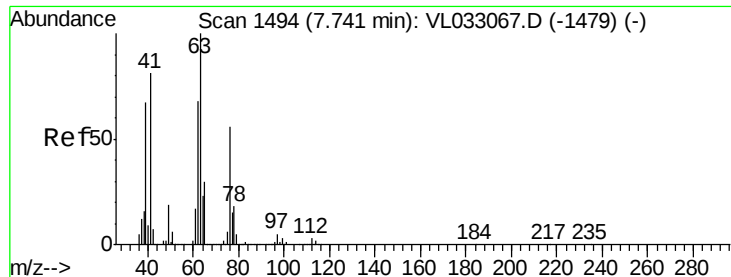


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 8.315 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.45 min

Lab File: VL033078.D

Acq: 4 Jan 2019 21:41

Instrument :

MSVOA_L

ClientSampleId :

SVI-OA1-2018-12-19DL2

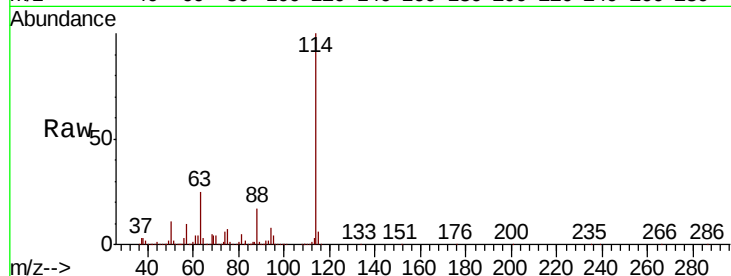
Tgt Ion: 63 Resp: 610315

Ion Ratio Lower Upper

63 100

41 0.1 61.9 92.9#

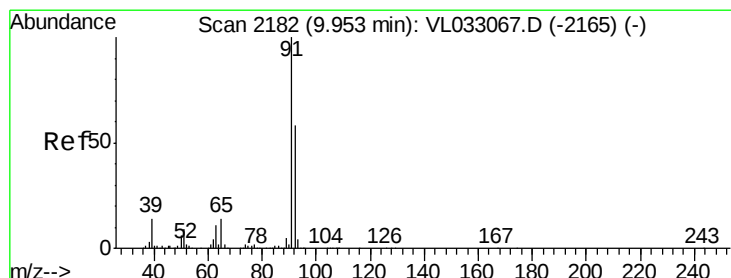
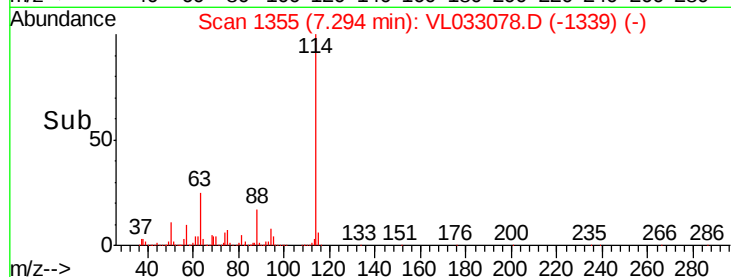
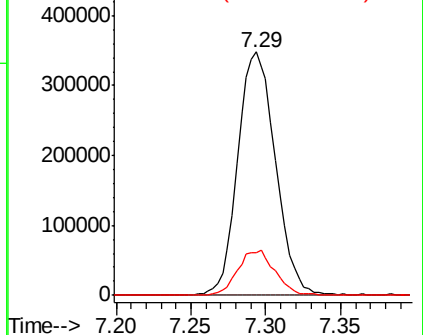
62 17.2 55.8 83.6#



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: 0.031 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.00 min

Lab File: VL033078.D

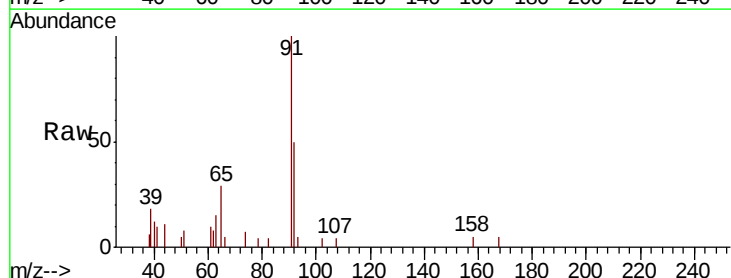
Acq: 4 Jan 2019 21:41

Tgt Ion: 91 Resp: 6389

Ion Ratio Lower Upper

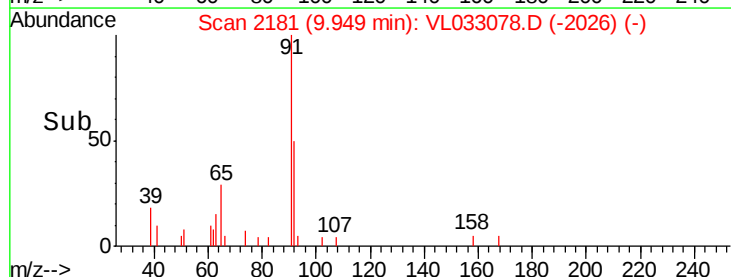
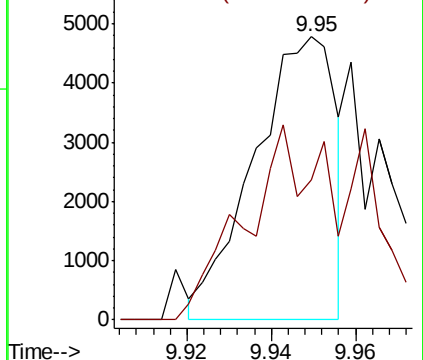
91 100

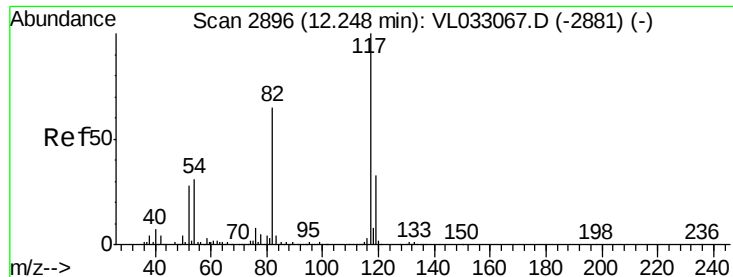
92 96.1 47.7 71.5#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

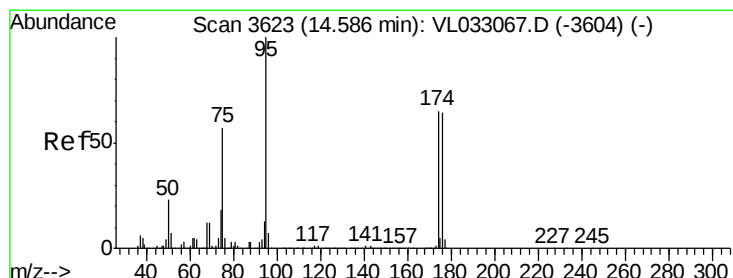
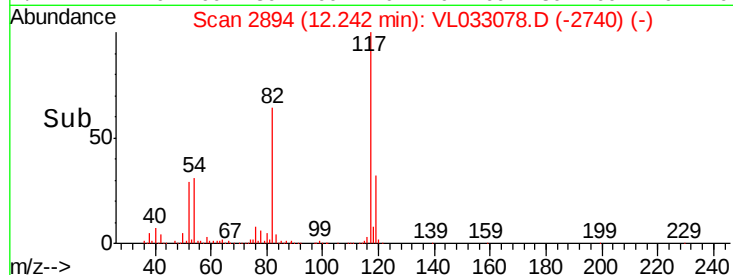
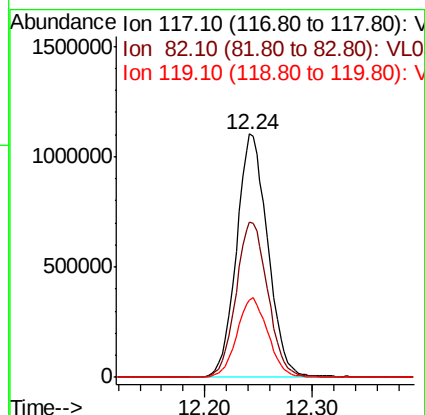
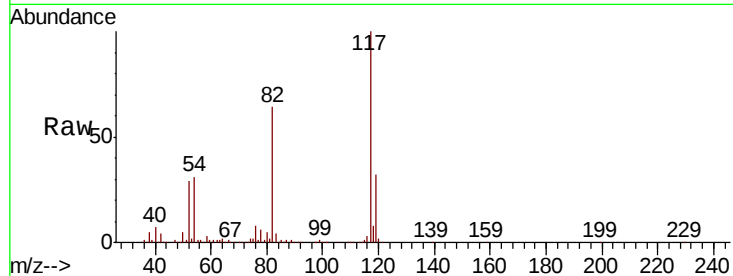




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL033078.D
Acq: 4 Jan 2019 21:41

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Tgt Ion: 117 Resp: 2223697
Ion Ratio Lower Upper
117 100
82 65.6 48.9 73.3
119 32.6 24.6 37.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.970 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL033078.D
Acq: 4 Jan 2019 21:41

Tgt Ion: 95 Resp: 1699506
Ion Ratio Lower Upper
95 100
174 64.6 51.9 77.9
175 4.6 3.9 5.9

