

Data File : VL032944.D
Acq On : 7 Dec 2018 21:11
Operator : SY/AP
Sample : J6262-07DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OA1DL

Quant Time: Dec 08 02:03:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1284153	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3225569	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3055066	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2336667	10.35	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

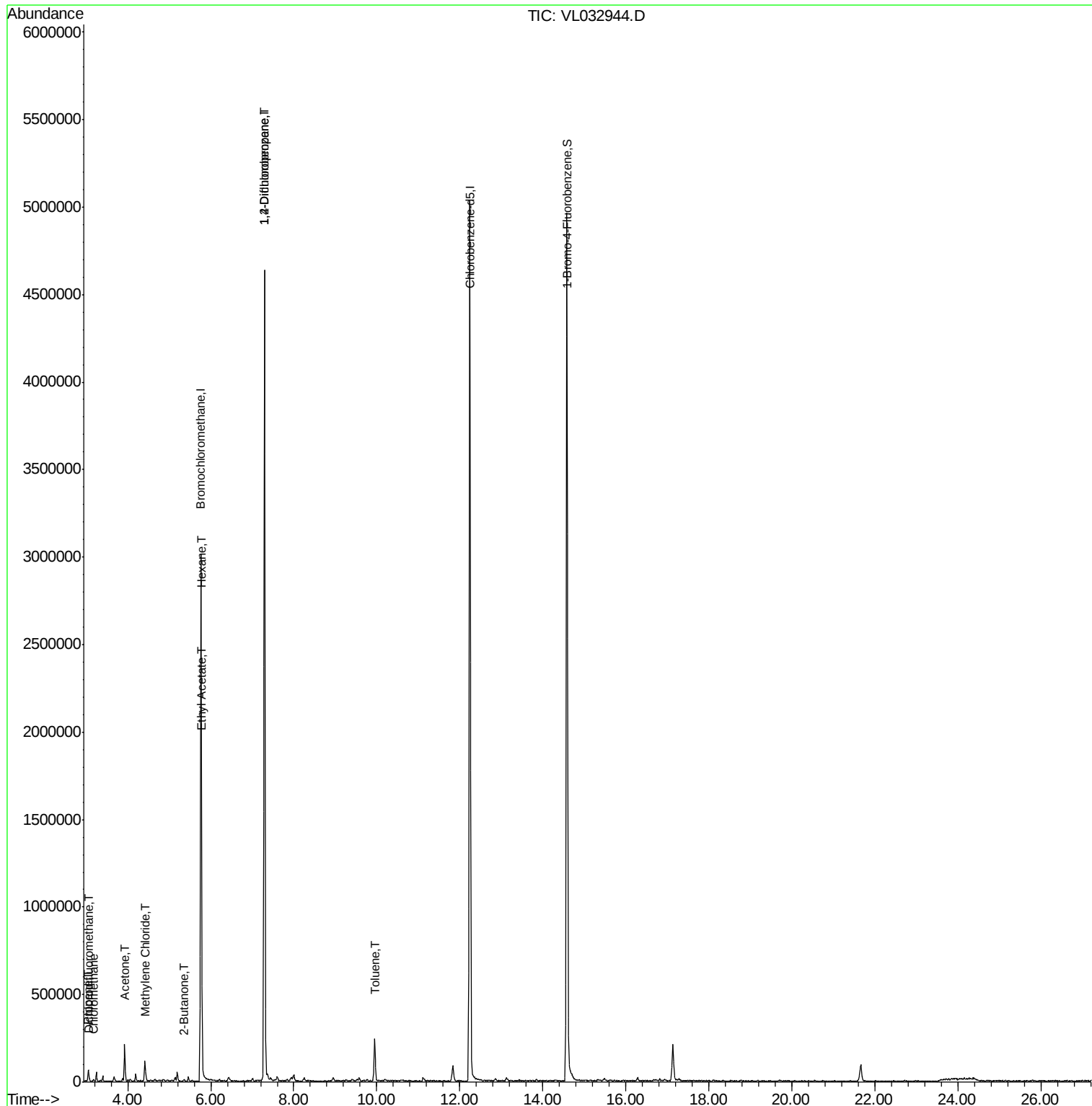
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.07	85	8732	0.051	ppbv	99
4) Chloromethane	3.17	50	10099	0.178	ppbv	96
9) Propene	3.05	41	13672	0.356	ppbv	83
15) Acetone	3.93	43	101759	0.923	ppbv #	83
20) Methylene Chloride	4.41	84	37710	0.700	ppbv	97
25) Ethyl Acetate	5.79	43	72237	0.277	ppbv #	89
26) Hexane	5.78	57	78423	0.652	ppbv #	51
34) 2-Butanone	5.36	43	5824	0.041	ppbv #	90
39) 1,2-Dichloropropane	7.29	63	810543	9.008	ppbv #	22
53) Toluene	9.95	91	175095	0.696	ppbv	99

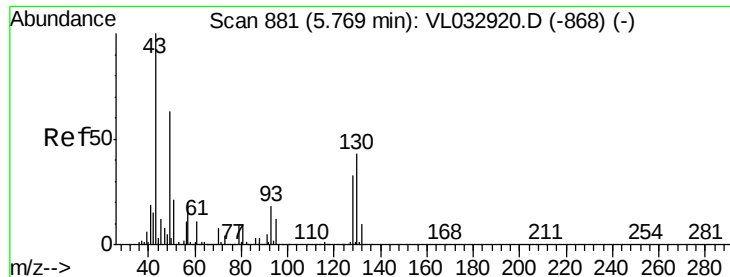
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VL032944.D
Acq On : 7 Dec 2018 21:11
Operator : SY/AP
Sample : J6262-07DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OA1DL

Quant Time: Dec 08 02:03:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL032944.D

Acq: 7 Dec 2018 21:11

Instrument :

MSVOA_L

ClientSampleID :

QA1DL

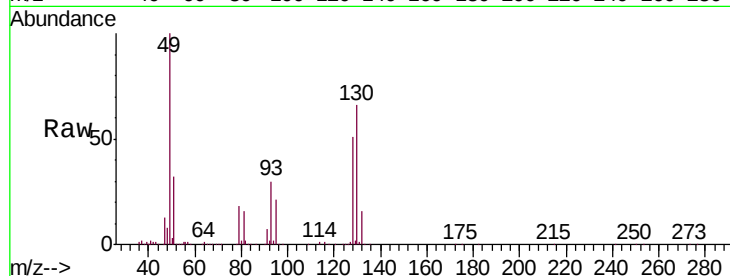
Tgt Ion: 49 Resp: 1284153

Ion Ratio Lower Upper

49 100

128 52.7 26.3 78.8

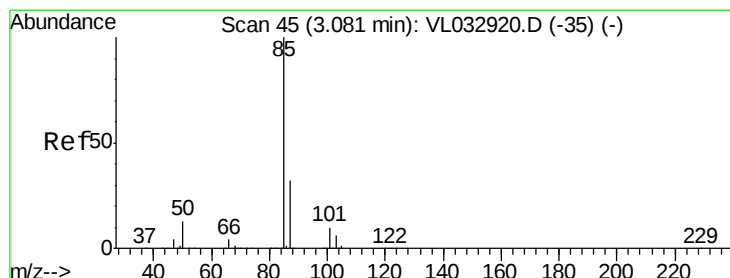
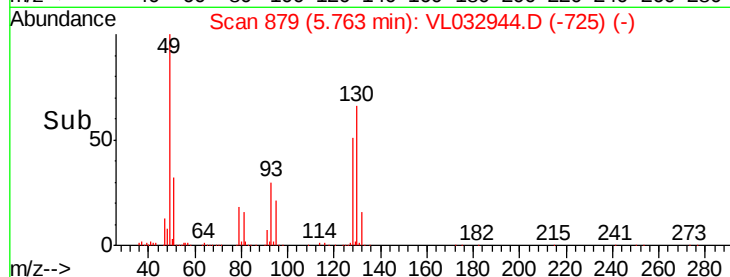
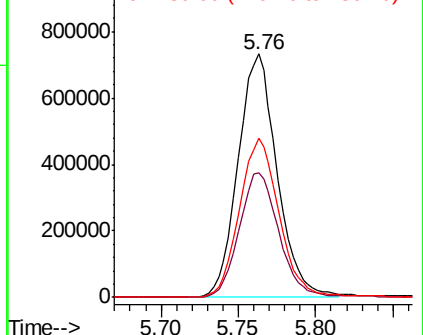
130 67.1 33.9 101.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.051 ppbv

RT: 3.07 min Scan# 43

Delta R.T. -0.01 min

Lab File: VL032944.D

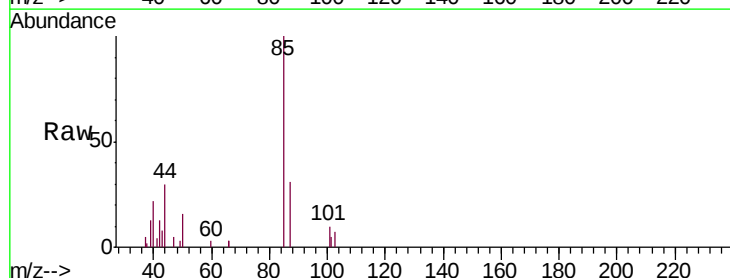
Acq: 7 Dec 2018 21:11

Tgt Ion: 85 Resp: 8732

Ion Ratio Lower Upper

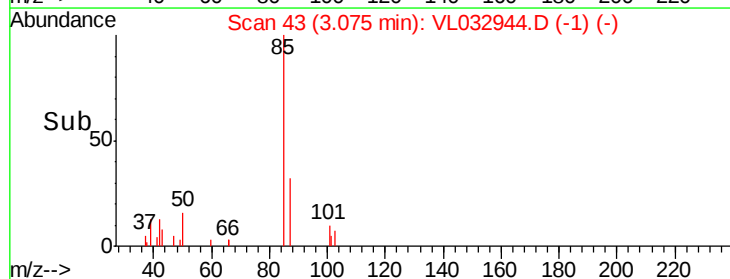
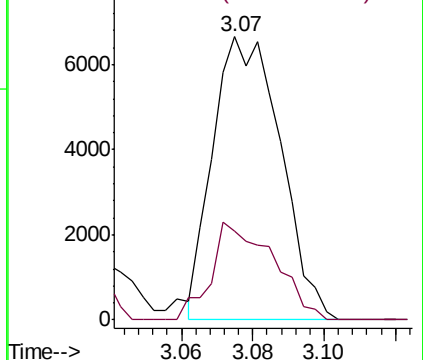
85 100

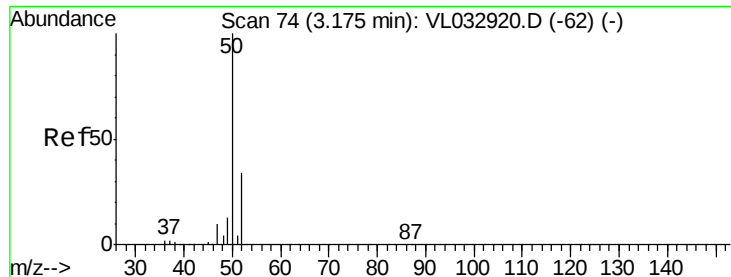
87 31.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.178 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL032944.D

Acq: 7 Dec 2018 21:11

Instrument :

MSVOA_L

ClientSampleId :

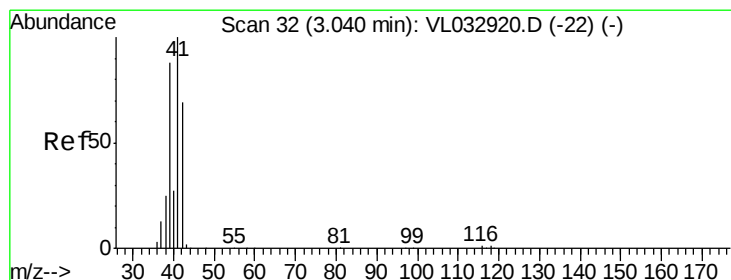
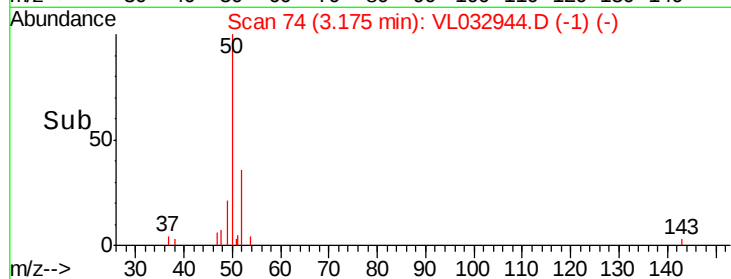
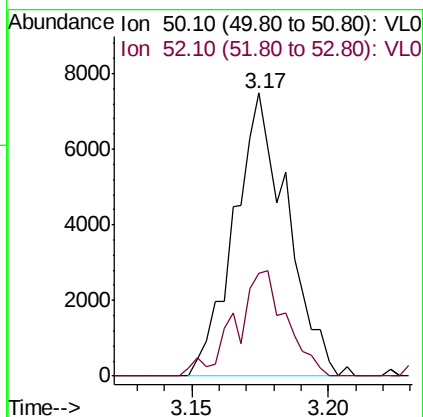
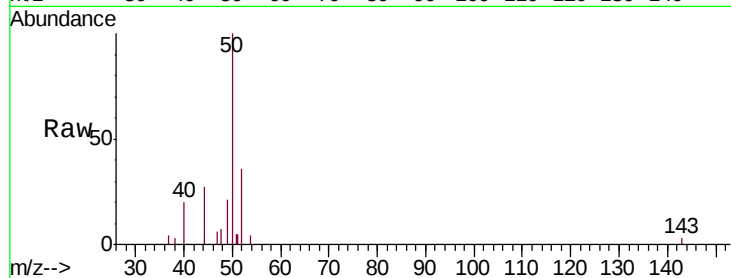
QA1DL

Tgt Ion: 50 Resp: 10099

Ion Ratio Lower Upper

50 100

52 36.3 27.3 40.9



#9

Propene

Concen: 0.356 ppbv

RT: 3.05 min Scan# 36

Delta R.T. 0.01 min

Lab File: VL032944.D

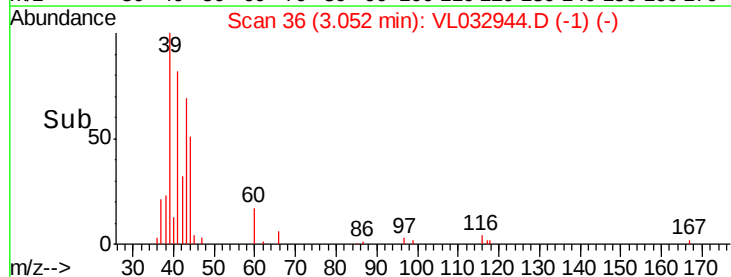
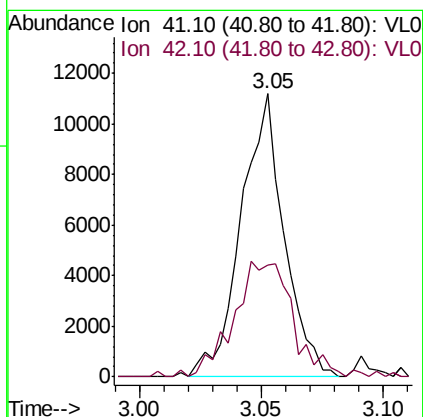
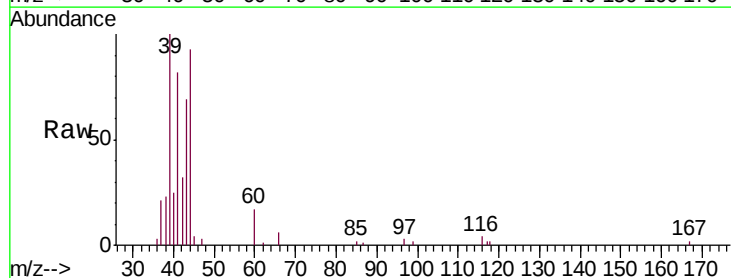
Acq: 7 Dec 2018 21:11

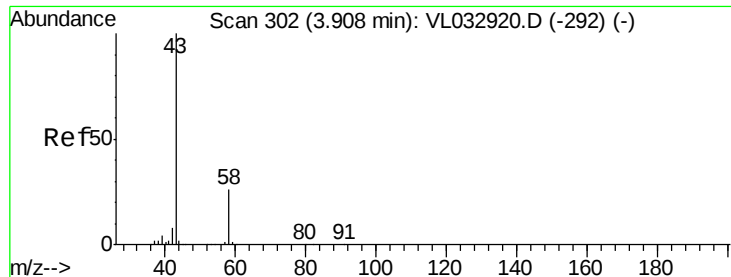
Tgt Ion: 41 Resp: 13672

Ion Ratio Lower Upper

41 100

42 56.3 56.2 84.2





#15

Acetone

Concen: 0.923 ppbv

RT: 3.93 min Scan# 308

Delta R.T. 0.02 min

Lab File: VL032944.D

Acq: 7 Dec 2018 21:11

Instrument :

MSVOA_L

ClientSampleId :

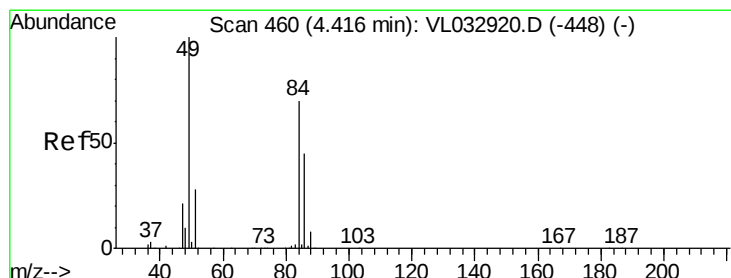
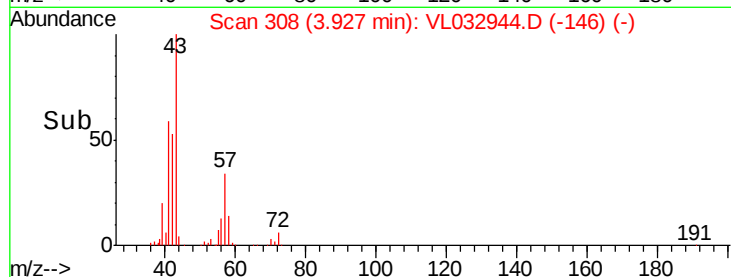
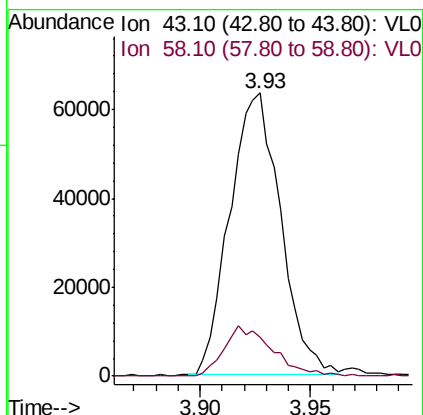
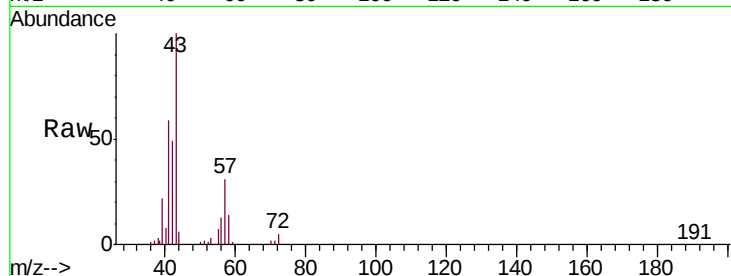
QA1DL

Tgt Ion: 43 Resp: 101759

Ion Ratio Lower Upper

43 100

58 17.0 20.6 30.8#



#20

Methylene Chloride

Concen: 0.700 ppbv

RT: 4.41 min Scan# 459

Delta R.T. -0.00 min

Lab File: VL032944.D

Acq: 7 Dec 2018 21:11

Tgt Ion: 84 Resp: 37710

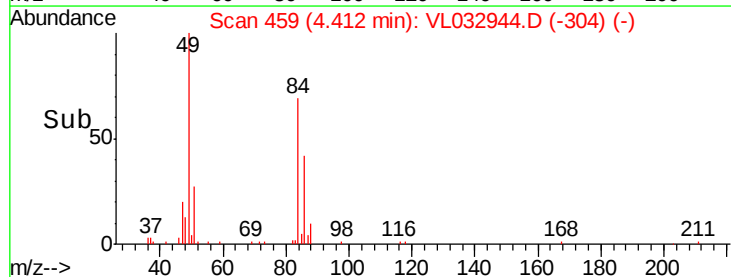
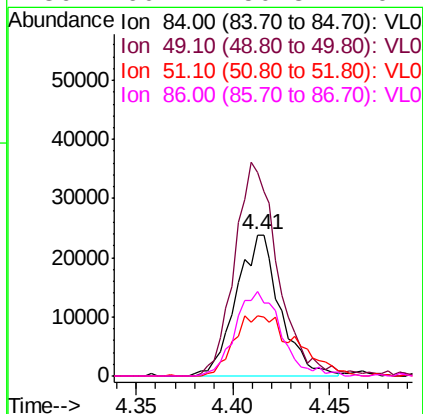
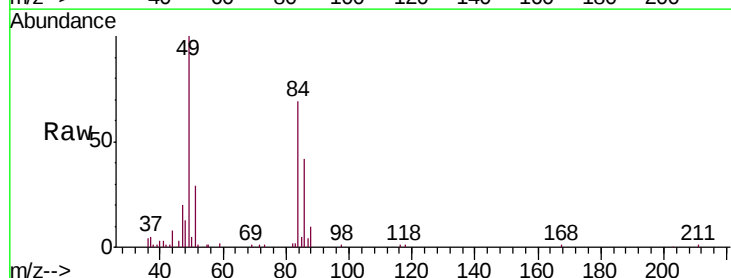
Ion Ratio Lower Upper

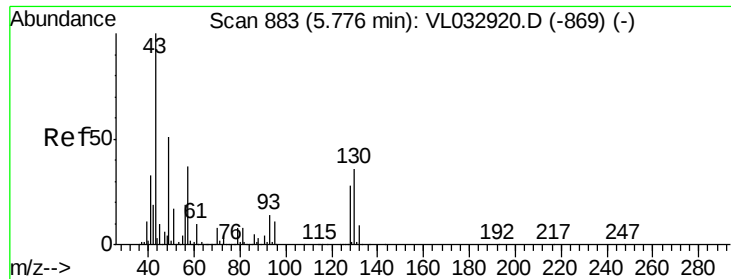
84 100

49 144.6 113.8 170.8

51 42.4 31.8 47.8

86 60.1 50.8 76.2





#25

Ethyl Acetate

Concen: 0.277 ppbv

RT: 5.79 min Scan# 886

Delta R.T. 0.01 min

Lab File: VL032944.D

Acq: 7 Dec 2018 21:11

Instrument :

MSVOA_L

ClientSampleId :

QA1DL

Tgt Ion: 43 Resp: 72237

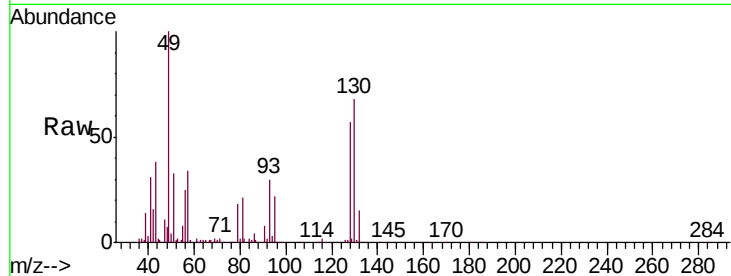
Ion Ratio Lower Upper

43 100

45 5.0 7.8 11.6#

61 4.5 7.4 11.2#

70 4.8 5.7 8.5#

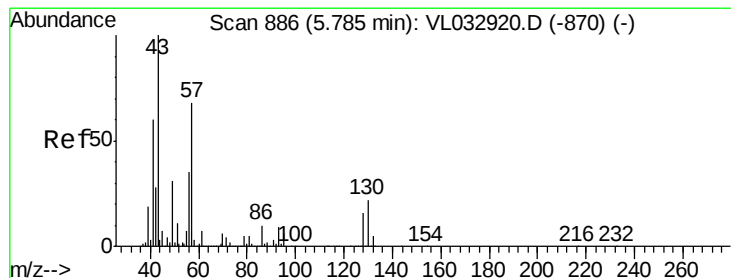
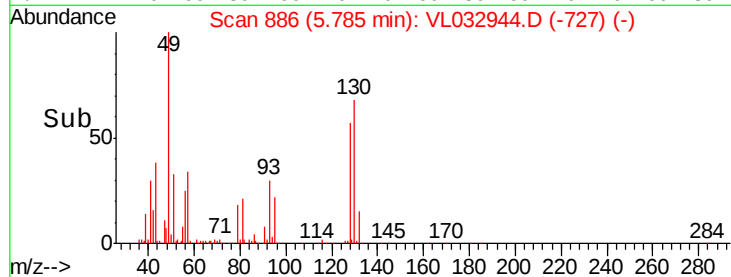
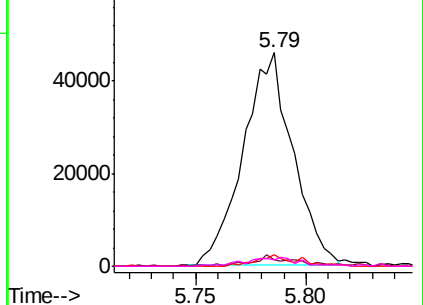


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.652 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.01 min

Lab File: VL032944.D

Acq: 7 Dec 2018 21:11

Tgt Ion: 57 Resp: 78423

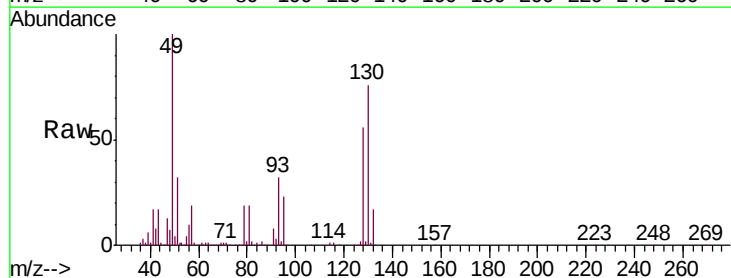
Ion Ratio Lower Upper

57 100

41 96.7 72.2 108.2

43 94.9 171.9 257.9#

56 60.3 42.2 63.2

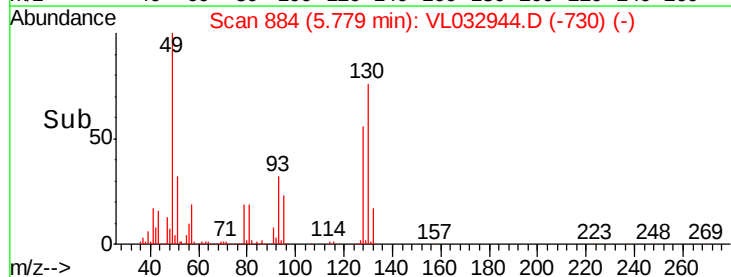
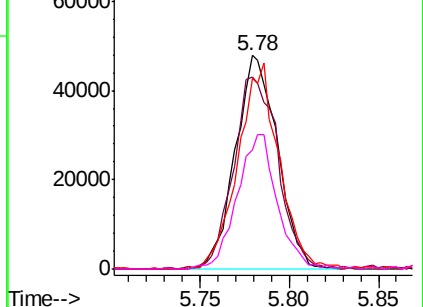


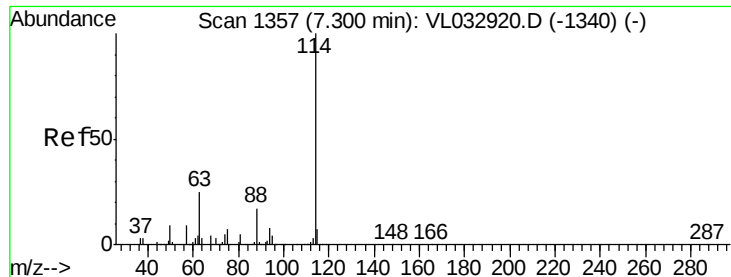
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

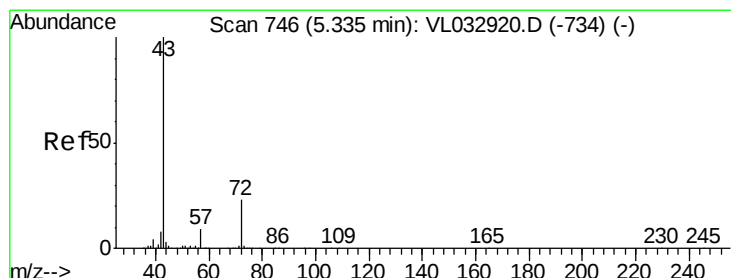
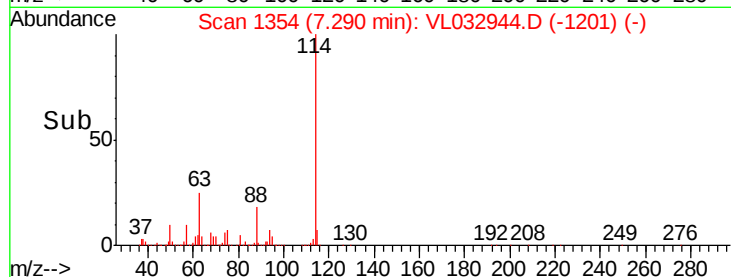
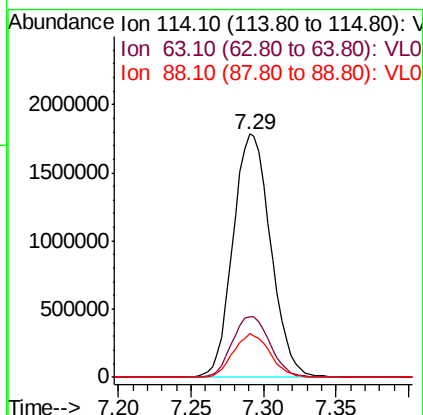
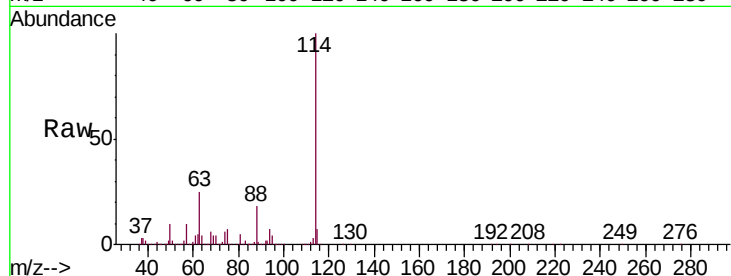




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: VL032944.D
 Acq: 7 Dec 2018 21:11

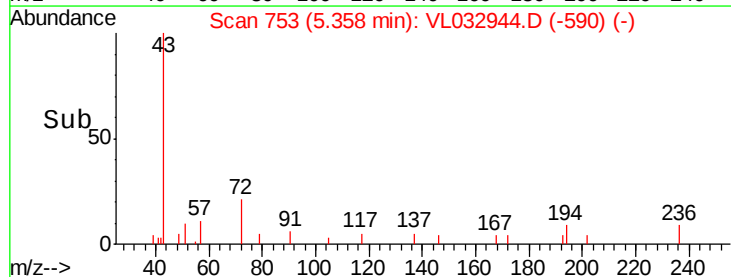
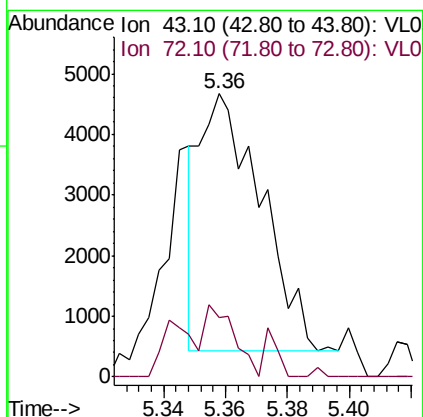
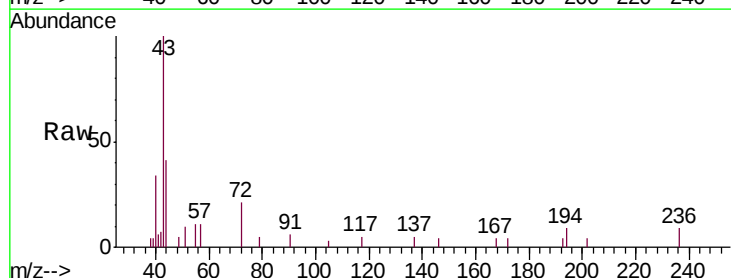
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

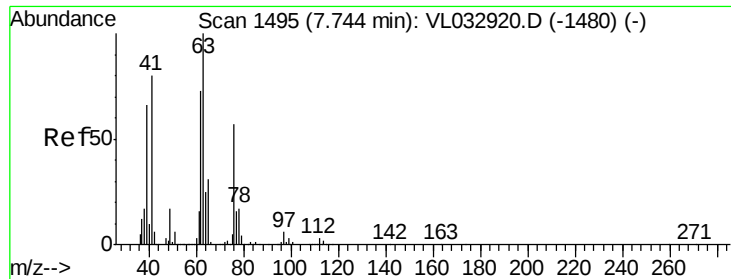
Tgt Ion:114 Resp: 3225569
 Ion Ratio Lower Upper
 114 100
 63 25.3 20.1 30.1
 88 17.6 14.2 21.4



#34
 2-Butanone
 Concen: 0.041 ppbv
 RT: 5.36 min Scan# 753
 Delta R.T. 0.02 min
 Lab File: VL032944.D
 Acq: 7 Dec 2018 21:11

Tgt Ion: 43 Resp: 5824
 Ion Ratio Lower Upper
 43 100
 72 28.3 18.8 28.2#





#39

1,2-Dichloropropane

Concen: 9.008 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.45 min

Lab File: VL032944.D

Acq: 7 Dec 2018 21:11

Instrument :

MSVOA_L

ClientSampleId :

QA1DL

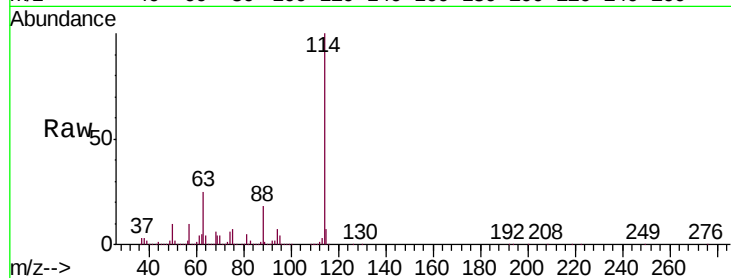
Tgt Ion: 63 Resp: 810543

Ion Ratio Lower Upper

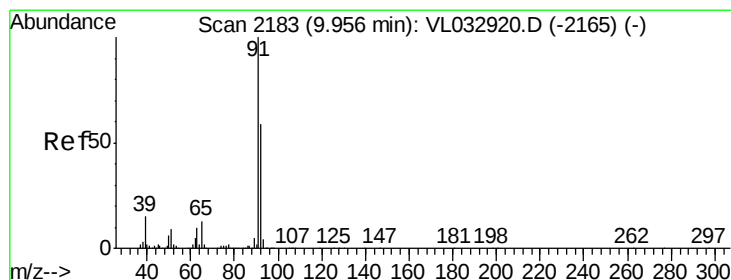
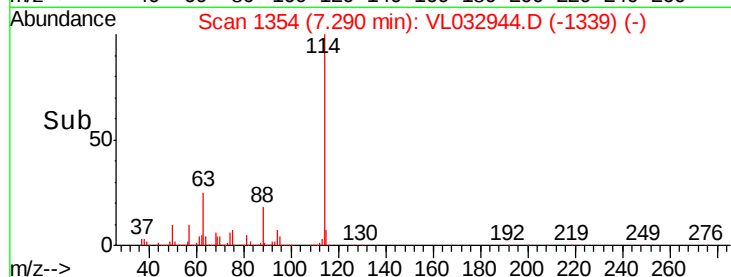
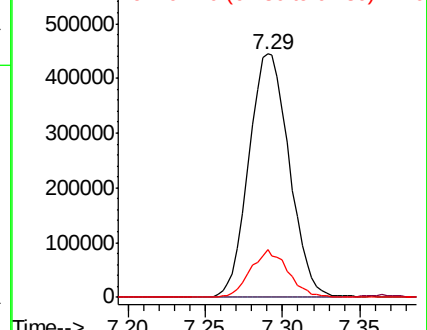
63 100

41 0.0 63.9 95.9#

62 19.4 58.8 88.2#



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: 0.696 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL032944.D

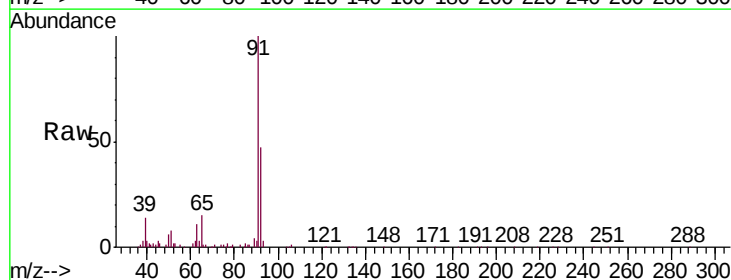
Acq: 7 Dec 2018 21:11

Tgt Ion: 91 Resp: 175095

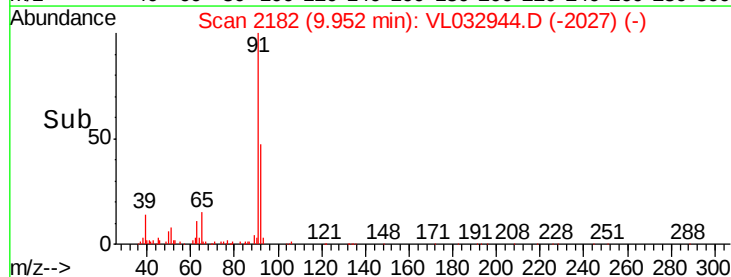
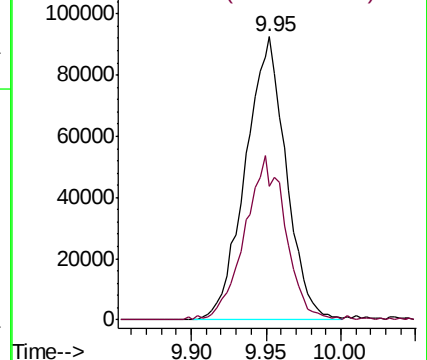
Ion Ratio Lower Upper

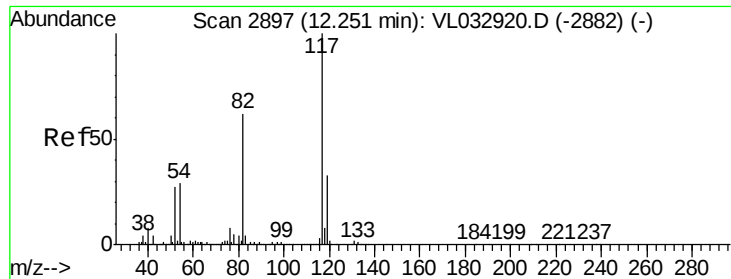
91 100

92 58.6 47.4 71.0



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

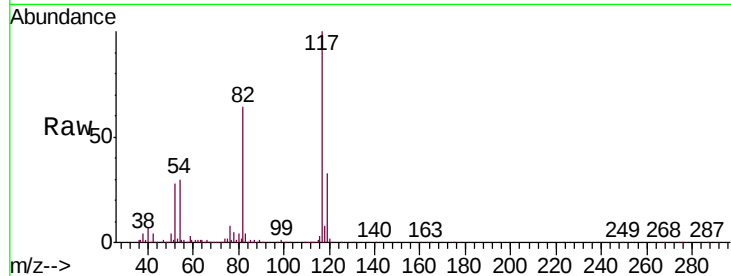




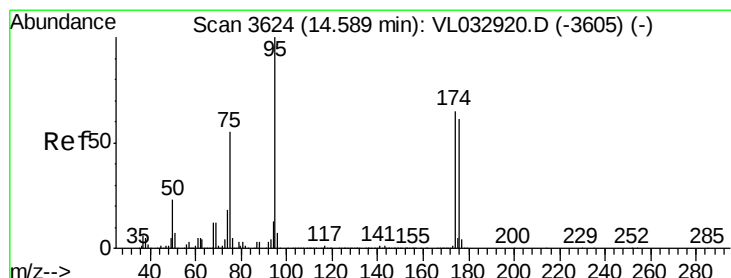
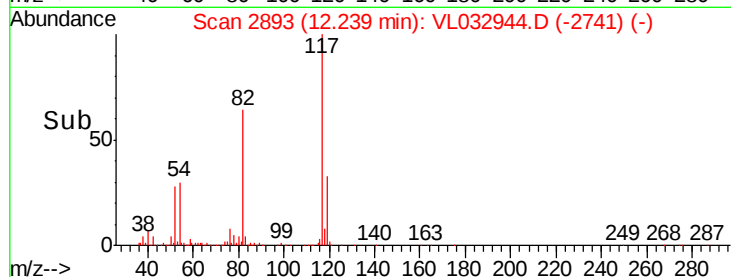
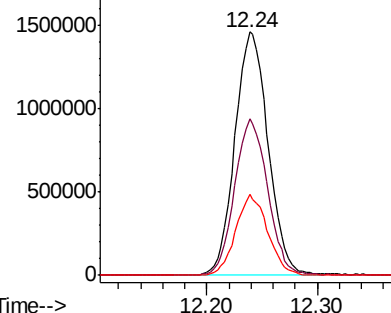
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL032944.D
Acq: 7 Dec 2018 21:11

Instrument :
MSVOA_L
ClientSampleId :
OA1DL

Tgt Ion: 117 Resp: 3055066
Ion Ratio Lower Upper
117 100
82 64.5 47.8 71.8
119 32.3 43.1 64.7#

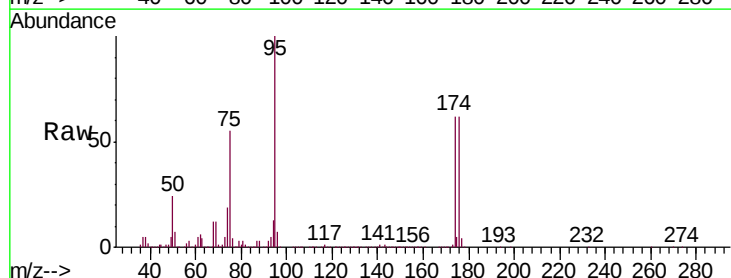


Abundance Ion 117.10 (116.80 to 117.80): V
2000000 Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.353 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL032944.D
Acq: 7 Dec 2018 21:11

Tgt Ion: 95 Resp: 2336667
Ion Ratio Lower Upper
95 100
174 64.8 51.4 77.0
175 4.9 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

