

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062419\
 Data File : VL033943.D
 Acq On : 24 Jun 2019 19:16
 Operator : SY/AP
 Sample : K3481-09DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-OUTDOOR-AIR-2DL

Quant Time: Jun 25 03:39:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	837885	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.26	114	1951725	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.21	117	2049322	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene		14.54	95	1644301	9.77	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%	

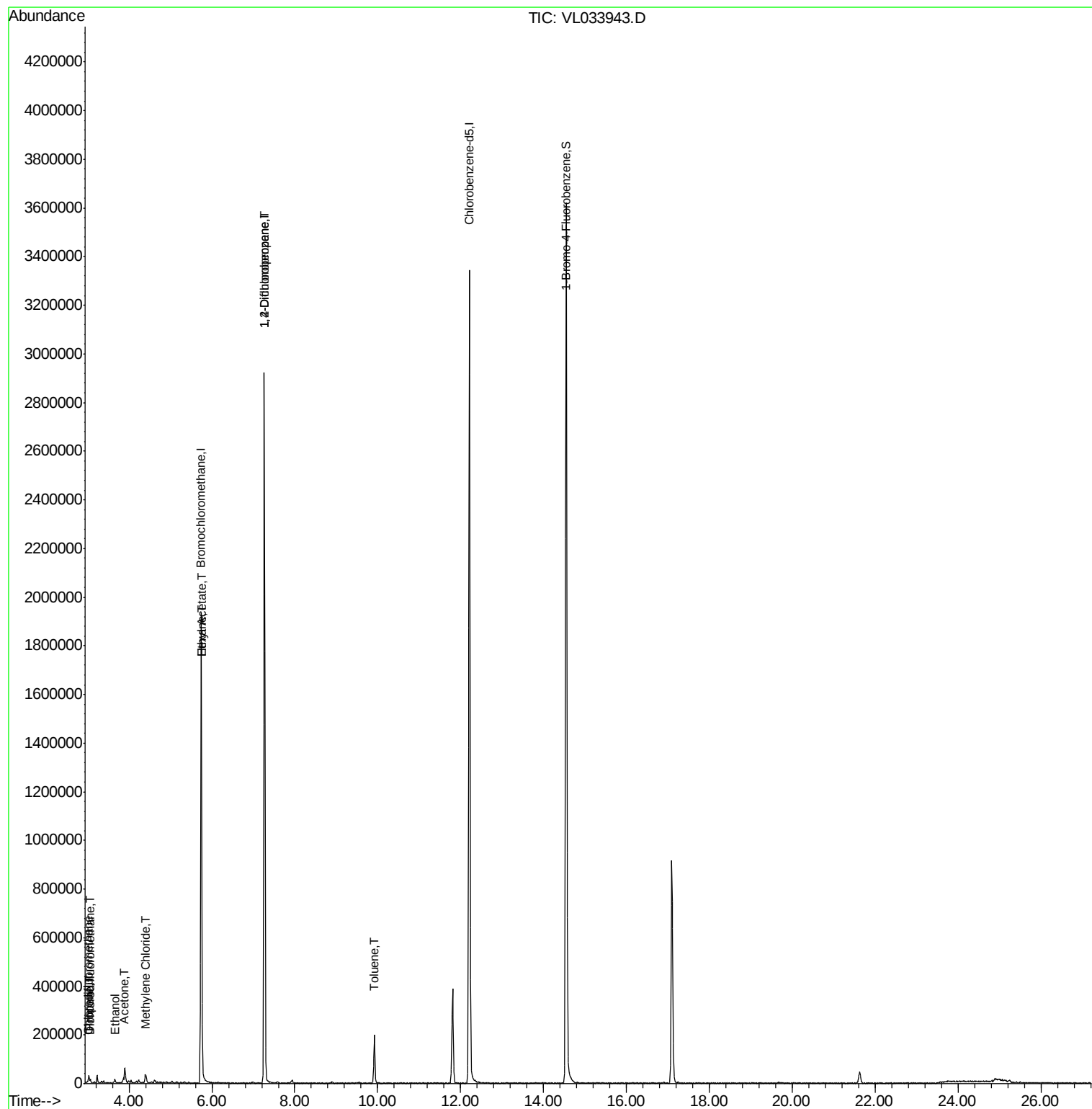
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	9038	0.066	ppbv	94
3) Chlorodifluoromethane	3.01	51	7300	0.074	ppbv #	90
9) Propene	3.04	41	3442	0.093	ppbv	88
13) Ethanol	3.65	45	5671	0.472	ppbv #	37
15) Acetone	3.90	43	61844	0.506	ppbv	95
20) Methylene Chloride	4.39	84	3874	0.081	ppbv	93
25) Ethyl Acetate	5.76	43	6366	0.034	ppbv #	79
26) Hexane	5.76	57	14533	0.172	ppbv #	36
39) 1,2-Dichloropropane	7.26	63	511297	8.886	ppbv #	26
53) Toluene	9.92	91	150800	0.914	ppbv	94

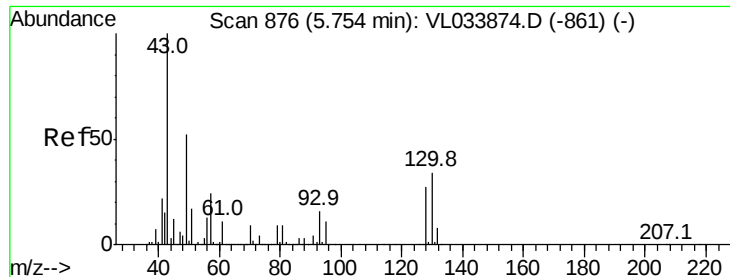
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 25 03:39:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.74 min Scan# 871

Delta R.T. -0.02 min

Lab File: VL033943.D

Acq: 24 Jun 2019 19:16

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-OUTDOOR-AIR-2DL

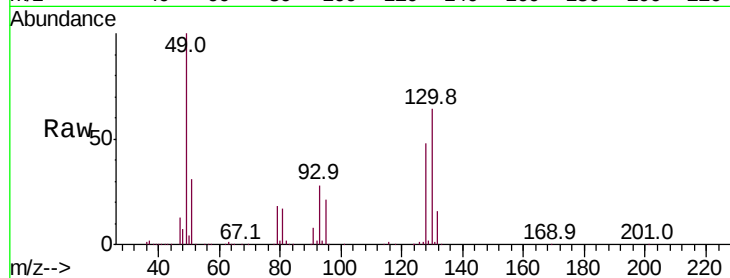
Tot Ion: 49 Resp: 837885

Ion Ratio Lower Upper

49 100

128 51.0 25.5 76.5

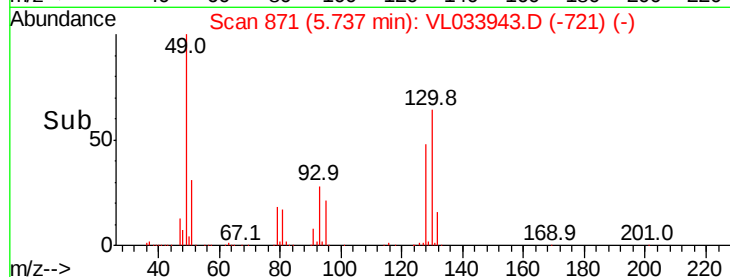
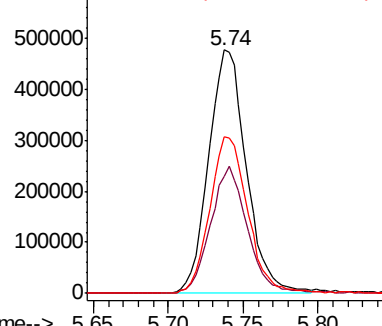
130 65.1 32.5 97.4



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: 0.066 ppbv

RT: 3.07 min Scan# 40

Delta R.T. -0.00 min

Lab File: VL033943.D

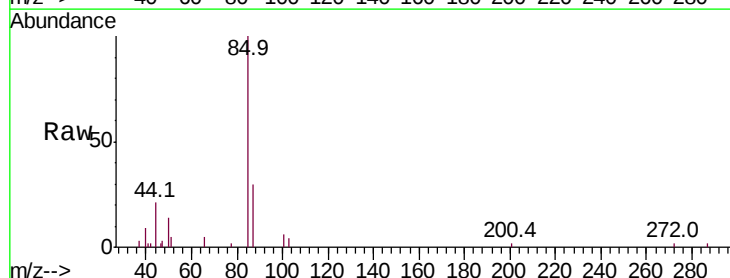
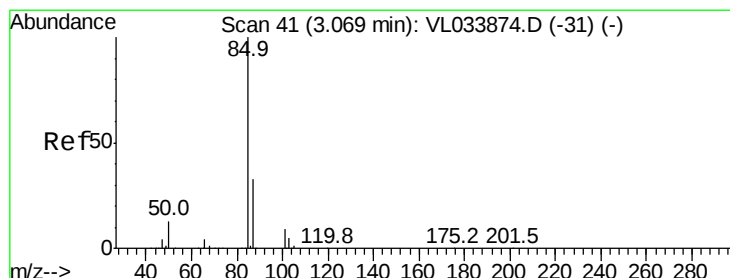
Acq: 24 Jun 2019 19:16

Tgt Ion: 85 Resp: 9038

Ion Ratio Lower Upper

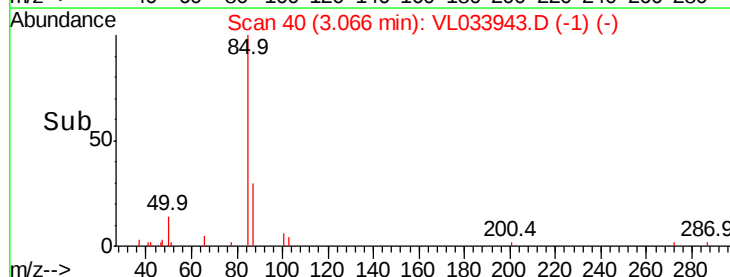
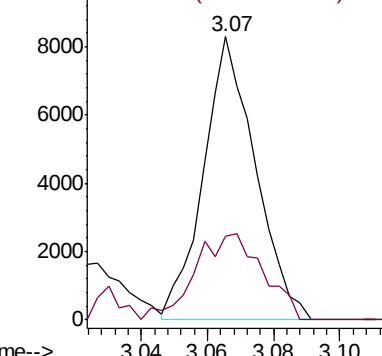
85 100

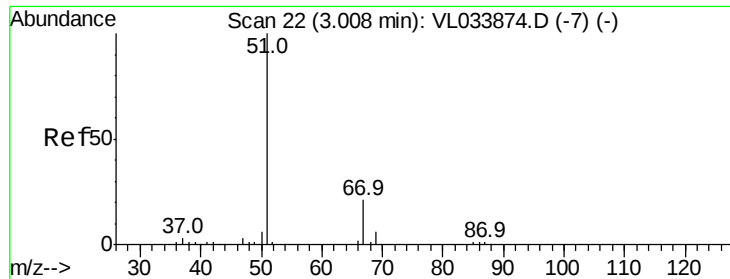
87 29.6 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.074 ppbv

RT: 3.01 min Scan# 22

Delta R.T. -0.00 min

Lab File: VL033943.D

Acq: 24 Jun 2019 19:16

Instrument :

MSVOA_L

ClientSampleId :

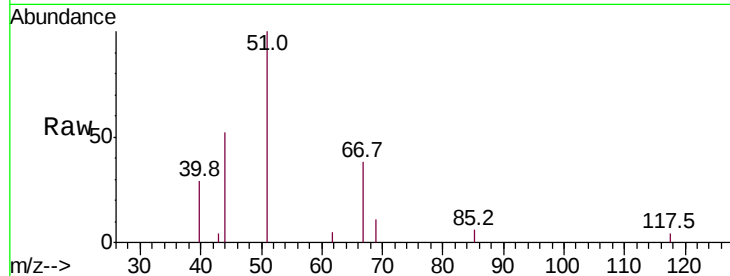
TZC-SSDS-OUTDOOR-AIR-2DL

Tot Ion: 51 Resp: 7300

Ion Ratio Lower Upper

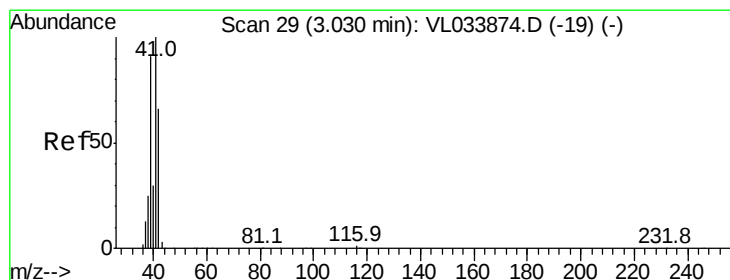
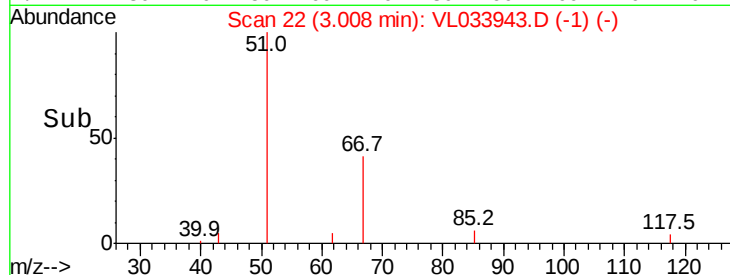
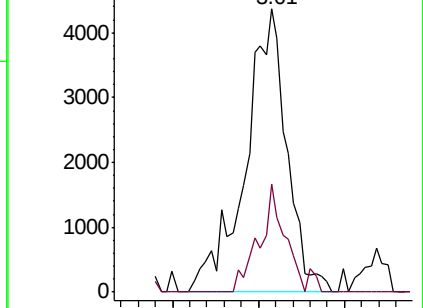
51 100

67 25.0 16.4 24.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.093 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.01 min

Lab File: VL033943.D

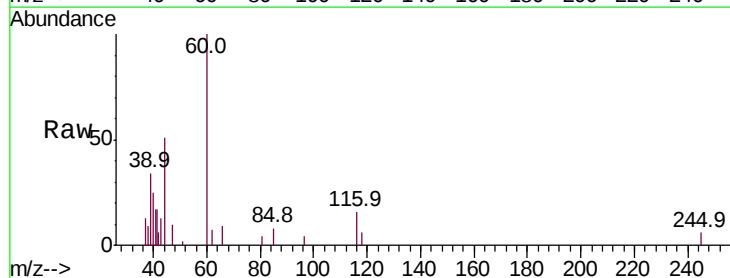
Acq: 24 Jun 2019 19:16

Tgt Ion: 41 Resp: 3442

Ion Ratio Lower Upper

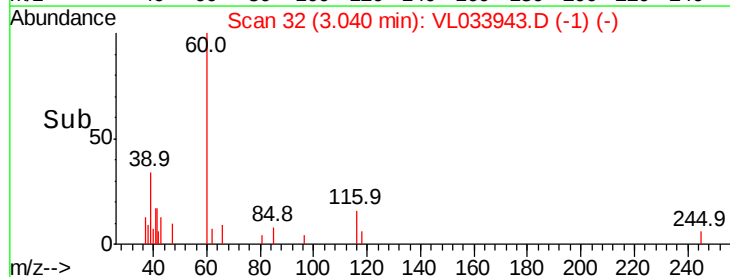
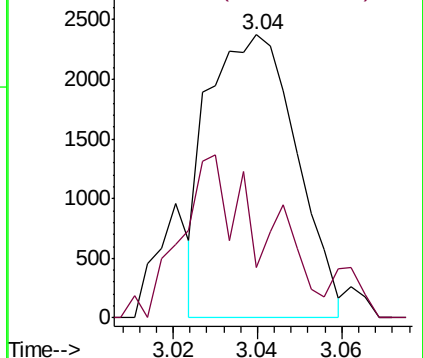
41 100

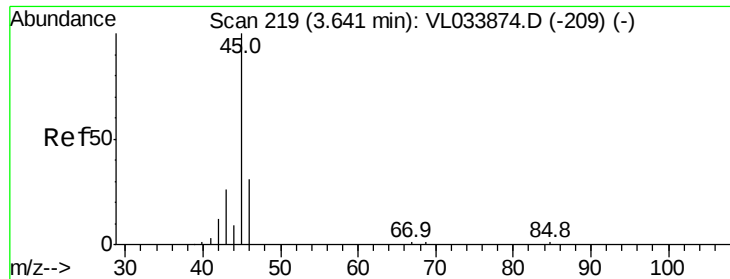
42 60.2 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

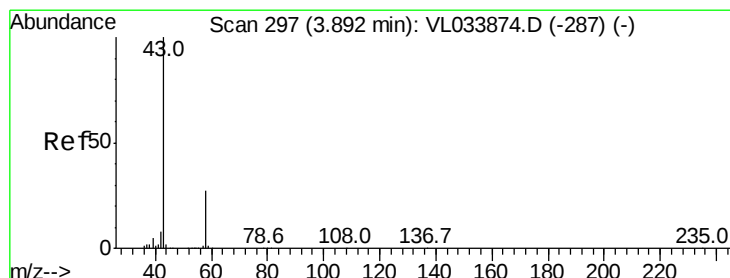
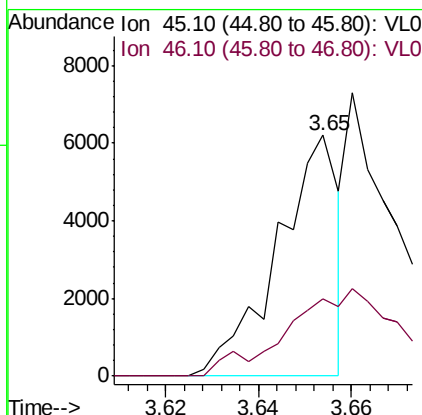
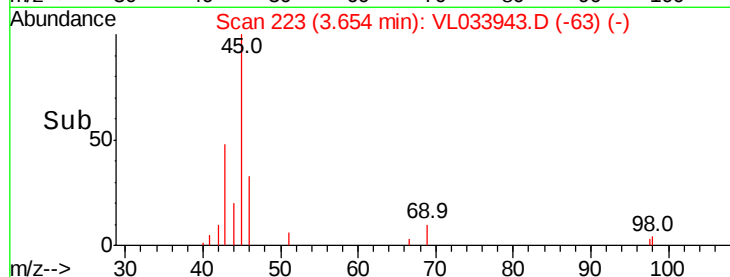
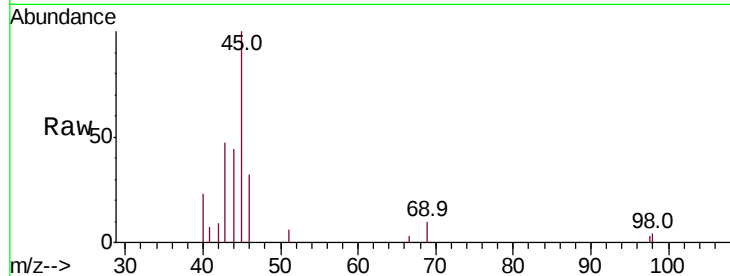




#13
Ethanol
Concen: 0.472 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL033943.D
Acq: 24 Jun 2019 19:16

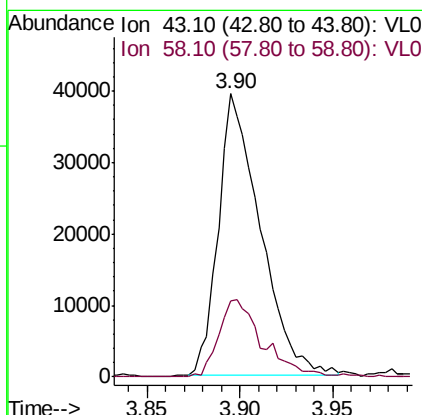
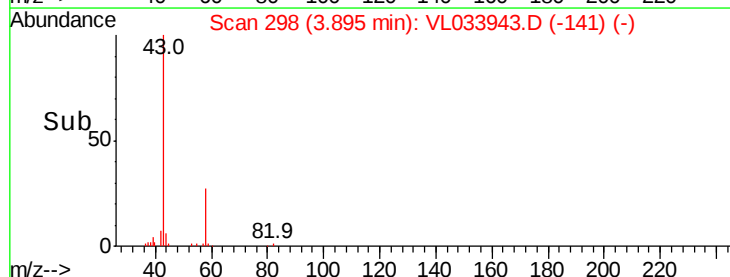
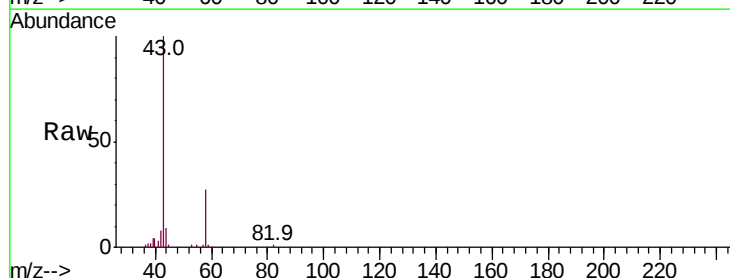
Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-OUTDOOR-AIR-2DL

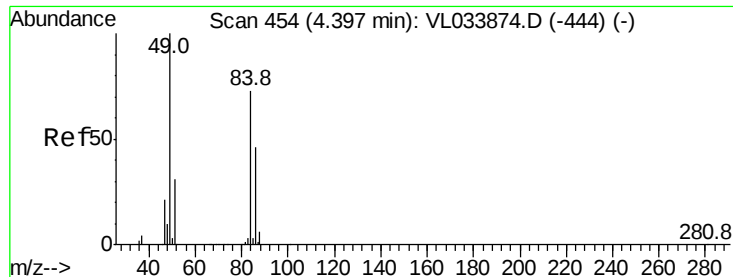
Tot Ion: 45 Resp: 5671
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.1#



#15
Acetone
Concen: 0.506 ppbv
RT: 3.90 min Scan# 298
Delta R.T. 0.00 min
Lab File: VL033943.D
Acq: 24 Jun 2019 19:16

Tgt Ion: 43 Resp: 61844
Ion Ratio Lower Upper
43 100
58 29.2 21.3 31.9

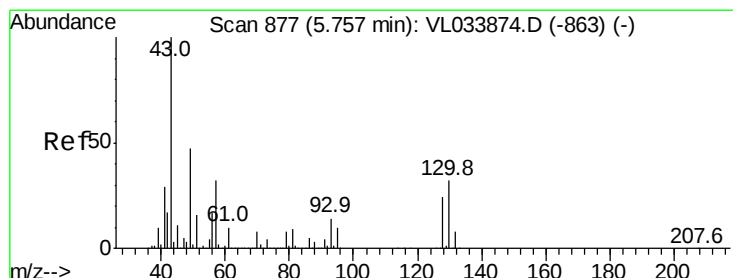
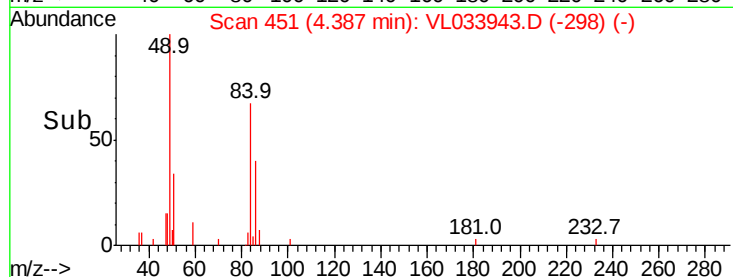
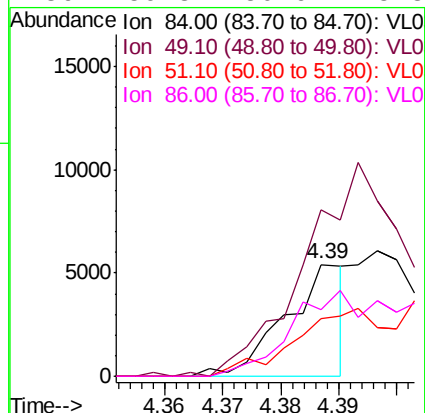
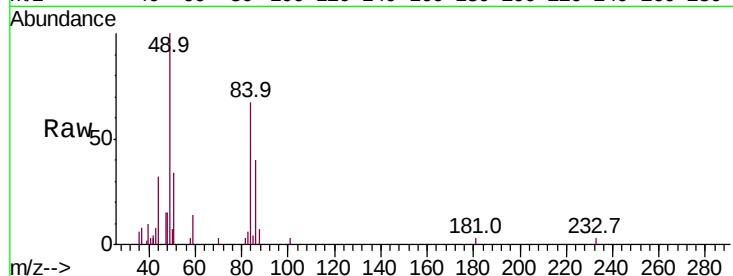




#20
Methylene Chloride
Concen: 0.081 ppbv
RT: 4.39 min Scan# 451
Delta R.T. -0.01 min
Lab File: VL033943.D
Acq: 24 Jun 2019 19:16

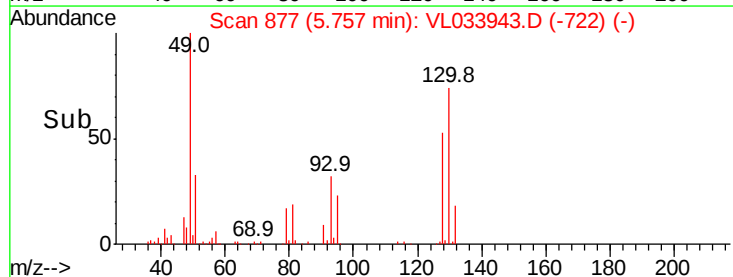
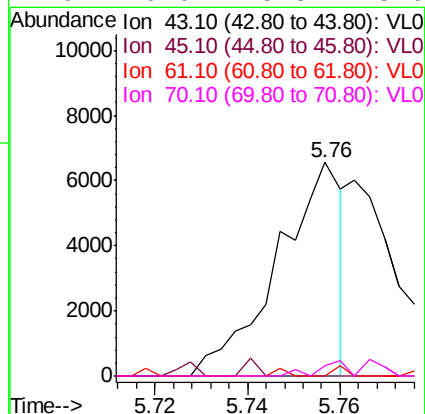
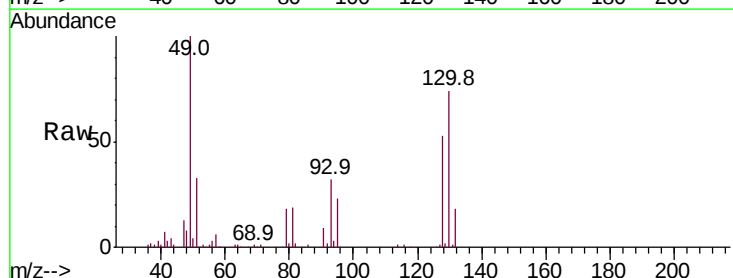
Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-OUTDOOR-AIR-2DL

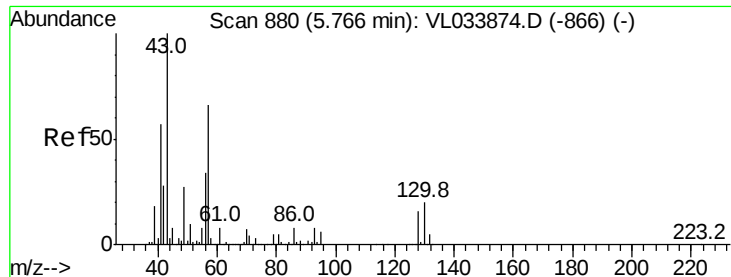
Tot Ion:	84	Resp:	3874
Ion	Ratio	Lower	Upper
84	100		
49	145.3	110.0	165.0
51	51.2	34.6	51.8
86	59.3	50.6	75.8



#25
Ethyl Acetate
Concen: 0.034 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033943.D
Acq: 24 Jun 2019 19:16

Tgt Ion:	43	Resp:	6366
Ion	Ratio	Lower	Upper
43	100		
45	4.1	7.9	11.9#
61	0.0	7.8	11.6#
70	0.0	5.8	8.6#





#26

Hexane

Concen: 0.172 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033943.D

Acq: 24 Jun 2019 19:16

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-OUTDOOR-AIR-2DL

Tot Ion: 57 Resp: 14533

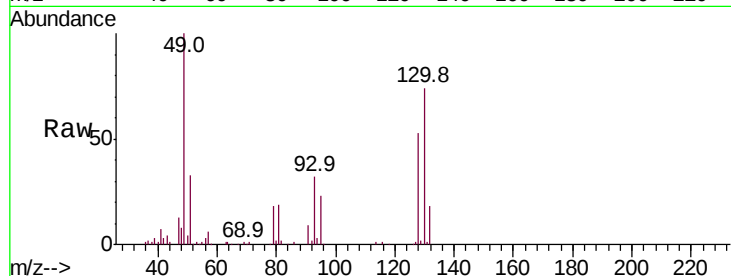
Ion Ratio Lower Upper

57 100

41 111.5 71.4 107.2#

43 81.2 183.7 275.5#

56 67.4 42.7 64.1#

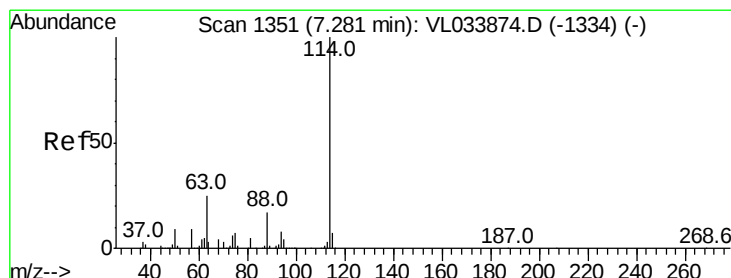
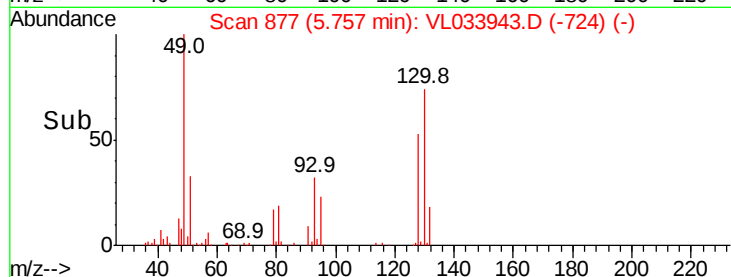
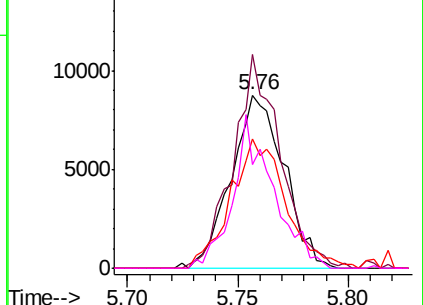


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 7.26 min Scan# 1346

Delta R.T. -0.02 min

Lab File: VL033943.D

Acq: 24 Jun 2019 19:16

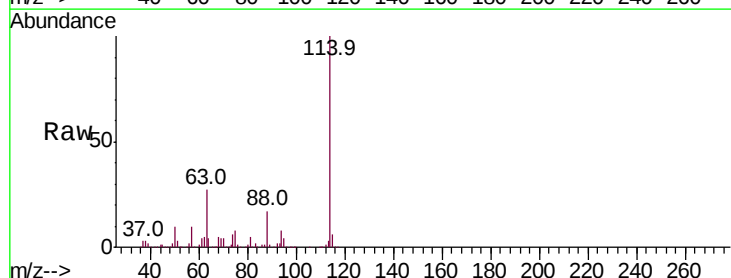
Tgt Ion:114 Resp: 1951725

Ion Ratio Lower Upper

114 100

63 26.3 21.1 31.7

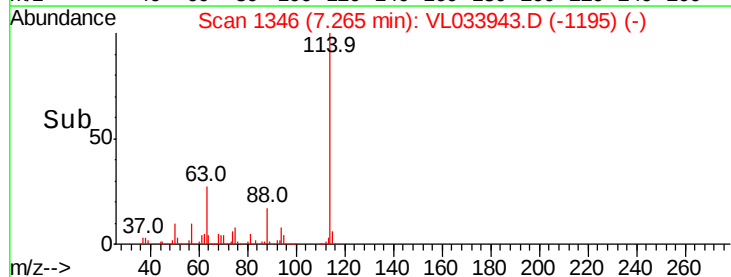
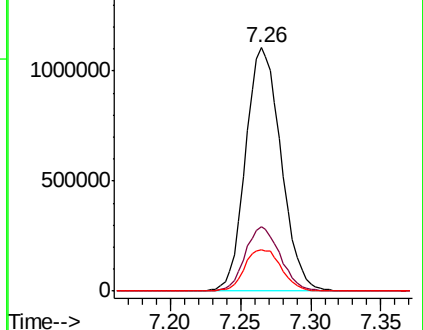
88 17.9 14.2 21.4

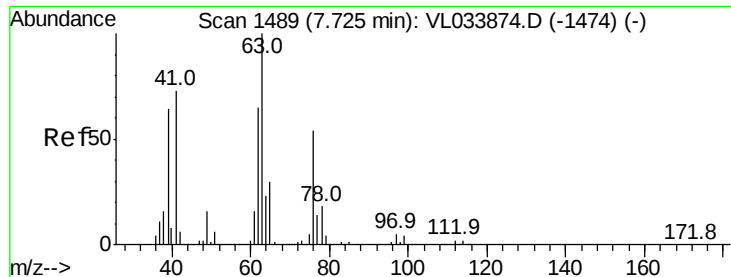


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

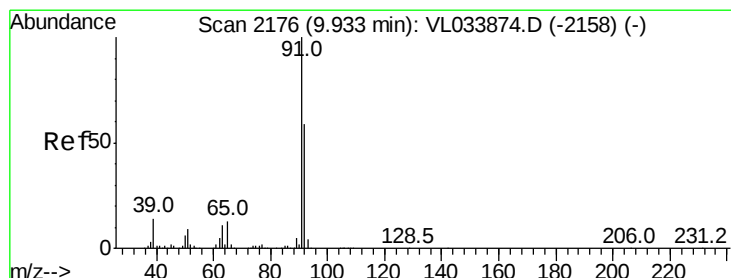
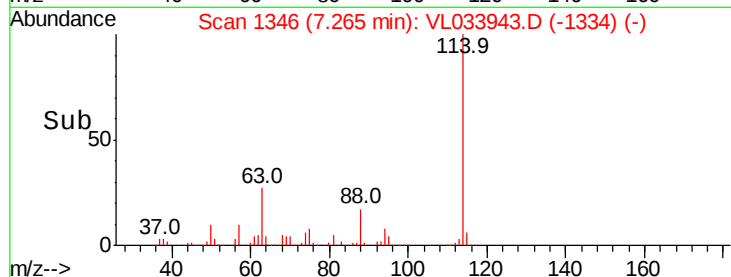
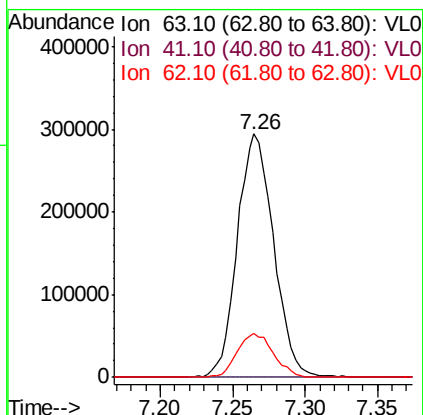
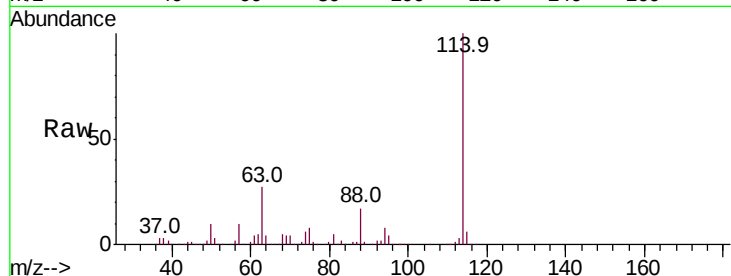




#39
 1,2-Dichloropropane
 Concen: 8.886 ppbv
 RT: 7.26 min Scan# 1346
 Delta R.T. -0.46 min
 Lab File: VL033943.D
 Acq: 24 Jun 2019 19:16

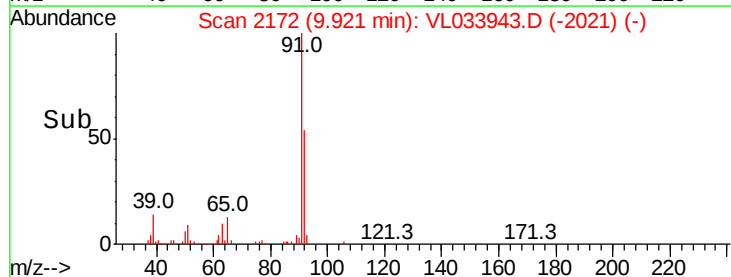
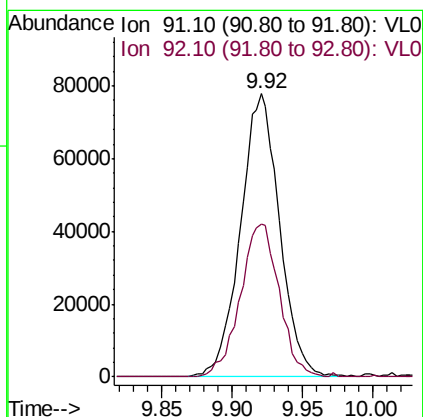
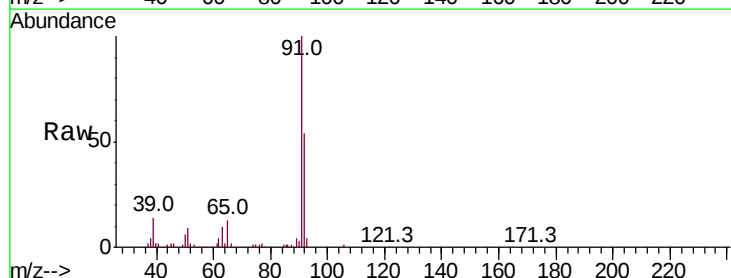
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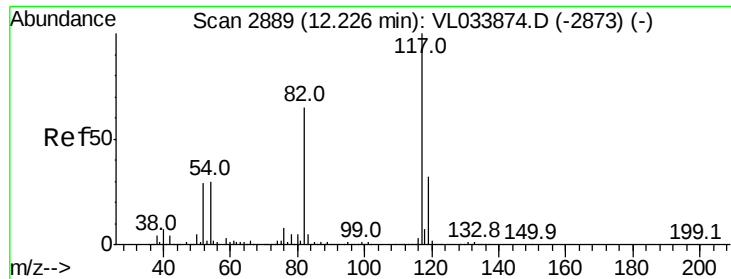
Tot Ion: 63 Resp: 511297
 Ion Ratio Lower Upper
 63 100
 41 0.1 58.7 88.1#
 62 18.1 51.9 77.9#



#53
 Toluene
 Concen: 0.914 ppbv
 RT: 9.92 min Scan# 2172
 Delta R.T. -0.01 min
 Lab File: VL033943.D
 Acq: 24 Jun 2019 19:16

Tgt Ion: 91 Resp: 150800
 Ion Ratio Lower Upper
 91 100
 92 54.2 47.0 70.6

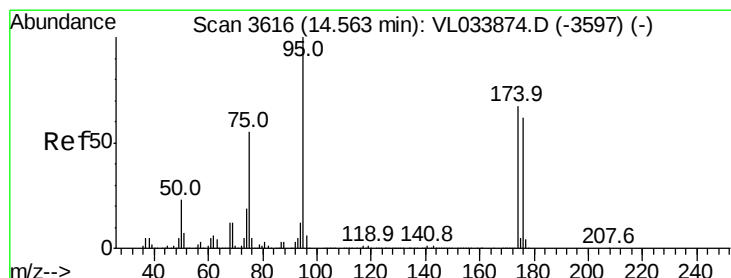
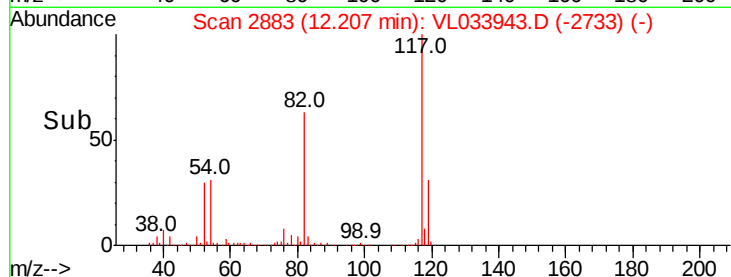
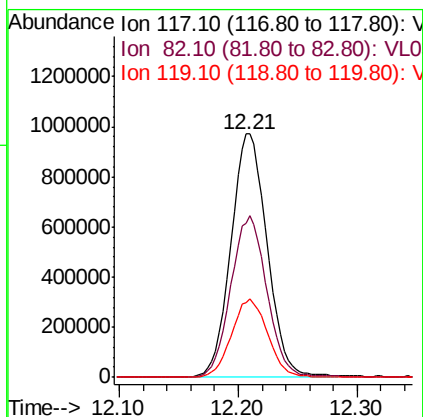
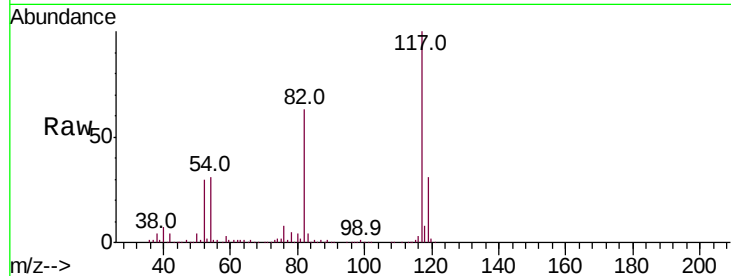




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.21 min Scan# 2883
Delta R.T. -0.02 min
Lab File: VL033943.D
Acq: 24 Jun 2019 19:16

Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-OUTDOOR-AIR-2DL

Tot Ion:117 Resp: 2049322
Ion Ratio Lower Upper
117 100
82 66.9 50.2 75.2
119 32.3 24.8 37.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.768 ppbv
RT: 14.54 min Scan# 3610
Delta R.T. -0.02 min
Lab File: VL033943.D
Acq: 24 Jun 2019 19:16

Tgt Ion: 95 Resp: 1644301
Ion Ratio Lower Upper
95 100
174 66.9 54.0 81.0
175 4.8 3.8 5.8

