

Data File : VL033974.D
Acq On : 26 Jun 2019 19:21
Operator : SY/AP
Sample : K3538-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-AIRDL

Quant Time: Jun 27 01:24:22 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	5.73	49	750557	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.26	114	1717223	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.21	117	1723974	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.54	95	1406492	9.93	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

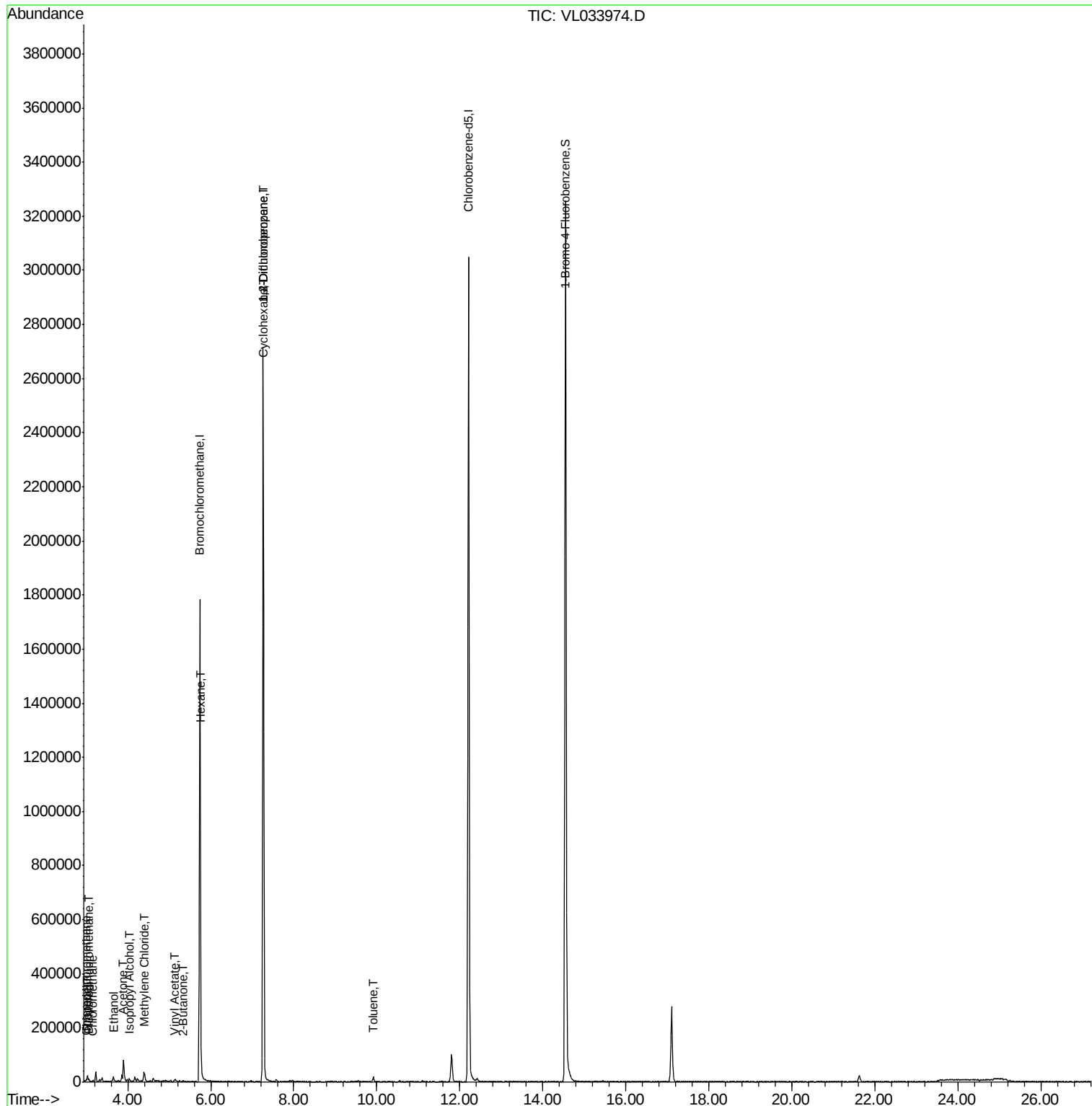
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.06	85	6568	0.054	ppbv #	70
3) Chlorodifluoromethane	3.00	51	6472	0.073	ppbv #	89
4) Chloromethane	3.16	50	2726	0.054	ppbv #	43
9) Propene	3.03	41	1158	0.035	ppbv #	14
13) Ethanol	3.65	45	8150	0.758	ppbv #	37
15) Acetone	3.89	43	74357	0.679	ppbv	98
19) Isopropyl Alcohol	4.03	45	3343	0.053	ppbv #	94
20) Methylene Chloride	4.39	84	9019	0.211	ppbv #	82
23) Vinyl Acetate	5.13	43	5685	0.045	ppbv #	91
26) Hexane	5.76	57	2895	0.038	ppbv #	1
30) Cyclohexane	7.25	84	3742	0.070	ppbv #	1
34) 2-Butanone	5.33	43	5611	0.058	ppbv #	87
39) 1,2-Dichloropropane	7.26	63	464933	9.183	ppbv #	25
53) Toluene	9.91	91	7592	0.052	ppbv #	21

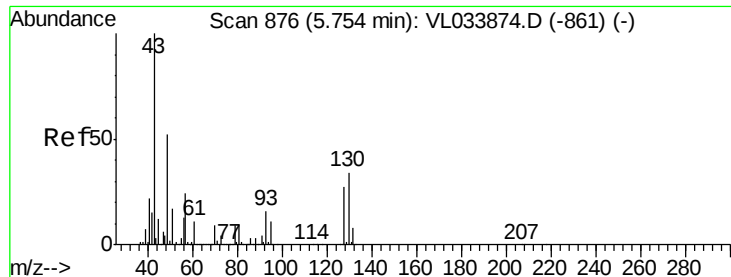
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VL033974.D
Acq On : 26 Jun 2019 19:21
Operator : SY/AP
Sample : K3538-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-AIRDL

Quant Time: Jun 27 01:24:22 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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 870

Delta R.T. -0.02 min

Lab File: VL033974.D

Acq: 26 Jun 2019 19:21

Instrument :

MSVOA_L

ClientSampleId :

OUTDOOR-AIRDL

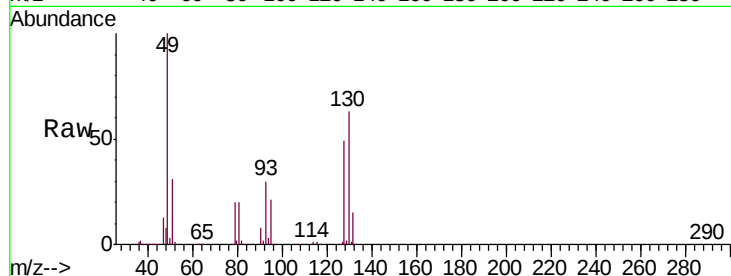
Tgt Ion: 49 Resp: 750557

Ion Ratio Lower Upper

49 100

128 50.2 25.5 76.5

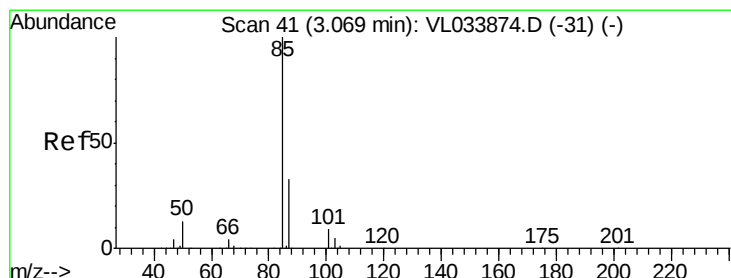
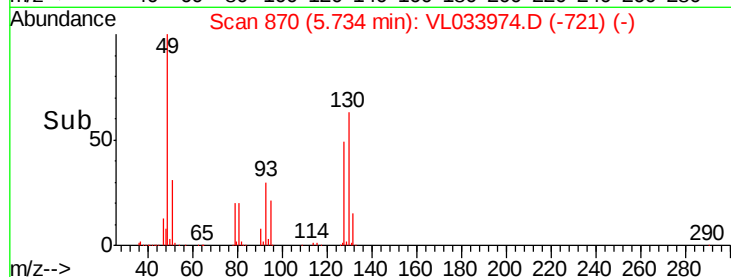
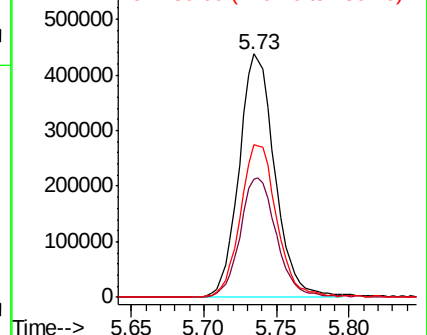
130 64.2 32.5 97.4



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



#2

Dichlorodifluoromethane

Concen: 0.054 ppbv

RT: 3.06 min Scan# 39

Delta R.T. -0.01 min

Lab File: VL033974.D

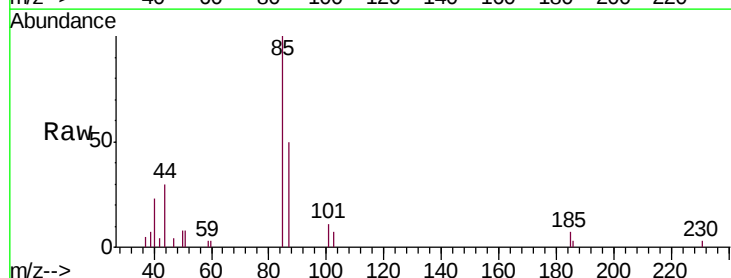
Acq: 26 Jun 2019 19:21

Tgt Ion: 85 Resp: 6568

Ion Ratio Lower Upper

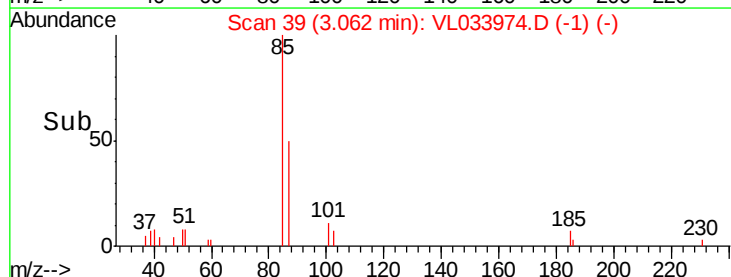
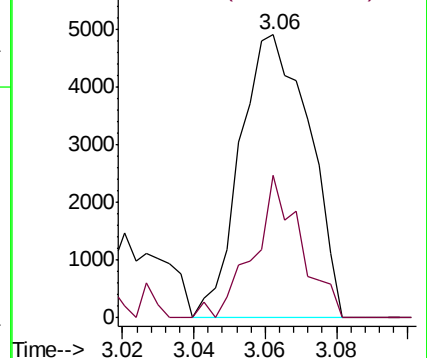
85 100

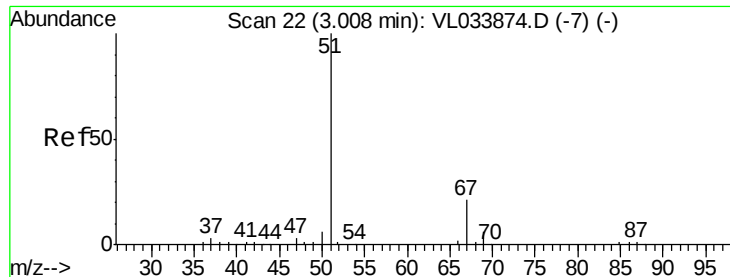
87 50.2 26.6 40.0#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.073 ppbv

RT: 3.00 min Scan# 19

Delta R.T. -0.01 min

Lab File: VL033974.D

Acq: 26 Jun 2019 19:21

Instrument :

MSVOA_L

ClientSampleId :

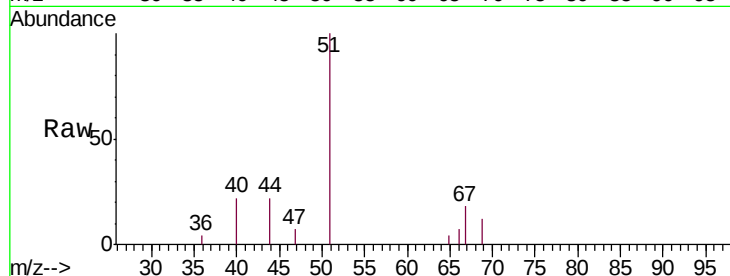
OUTDOOR-AIRDL

Tgt Ion: 51 Resp: 6472

Ion Ratio Lower Upper

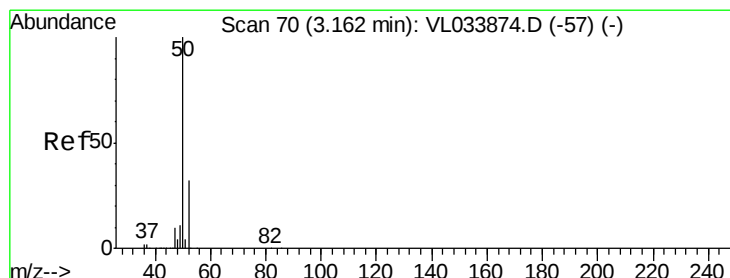
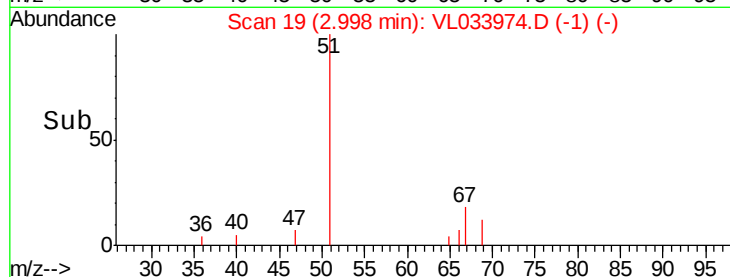
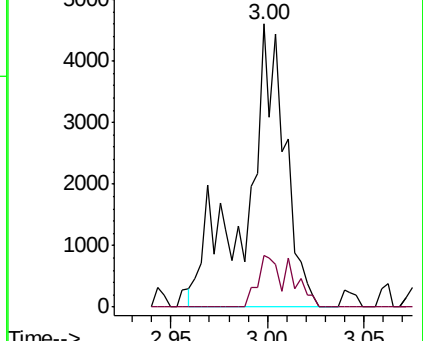
51 100

67 15.5 16.4 24.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.054 ppbv

RT: 3.16 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL033974.D

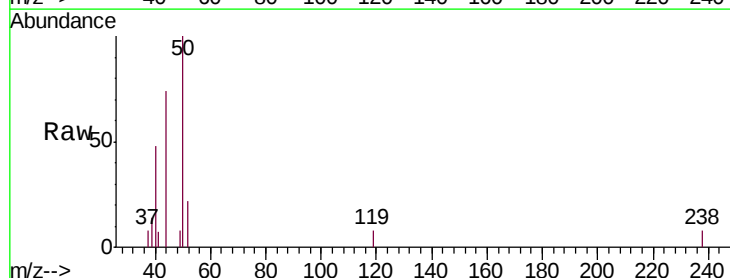
Acq: 26 Jun 2019 19:21

Tgt Ion: 50 Resp: 2726

Ion Ratio Lower Upper

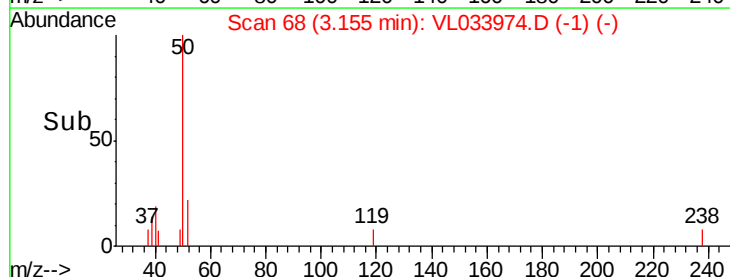
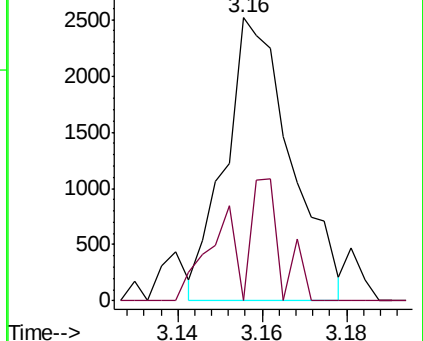
50 100

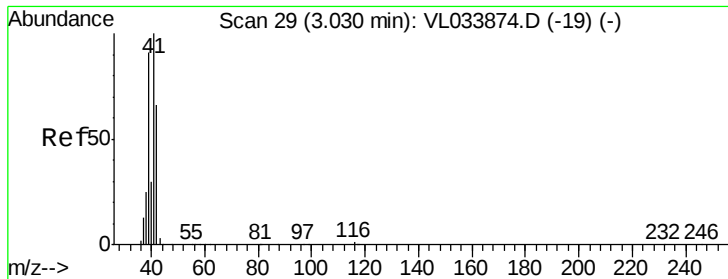
52 0.0 25.4 38.0#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.035 ppbv

RT: 3.03 min Scan# 28

Delta R.T. -0.00 min

Lab File: VL033974.D

Acq: 26 Jun 2019 19:21

Instrument :

MSVOA_L

ClientSampleId :

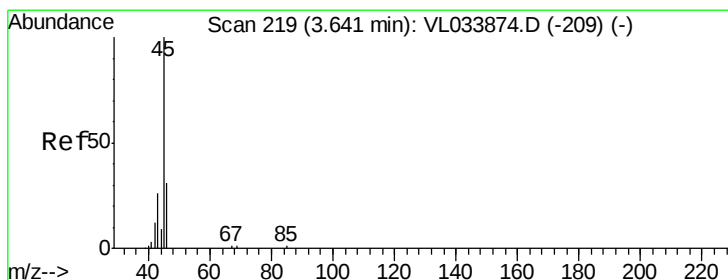
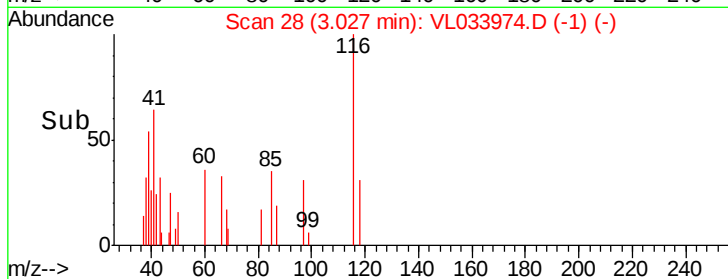
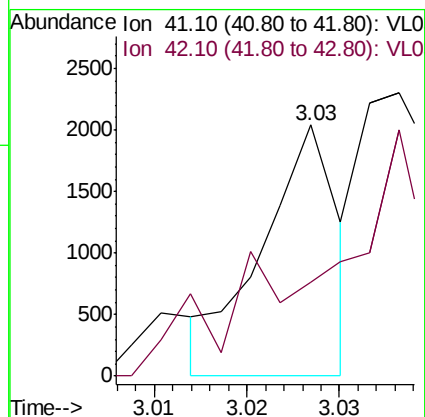
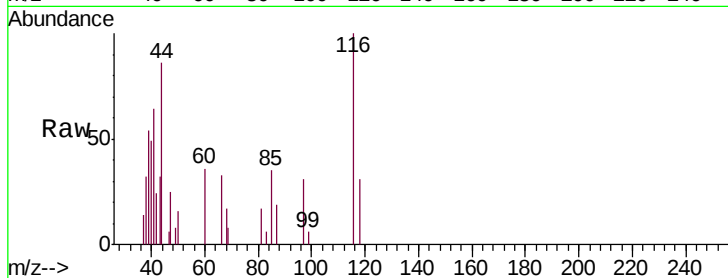
OUTDOOR-AIRDL

Tgt Ion: 41 Resp: 1158

Ion Ratio Lower Upper

41 100

42 0.0 56.3 84.5#



#13

Ethanol

Concen: 0.758 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.01 min

Lab File: VL033974.D

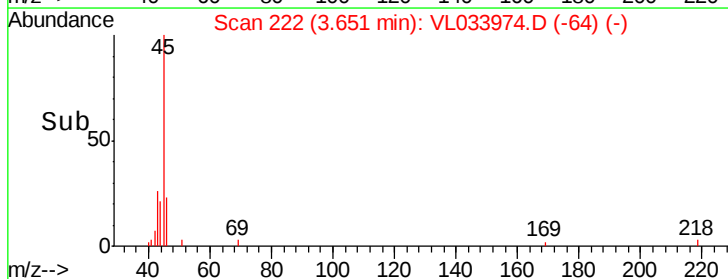
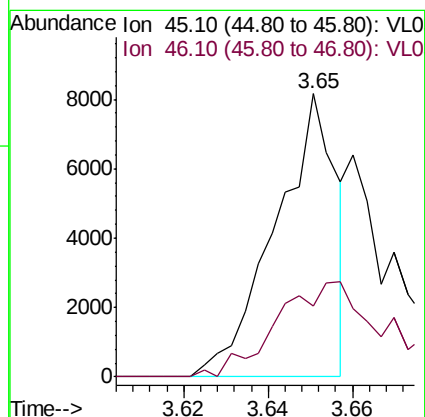
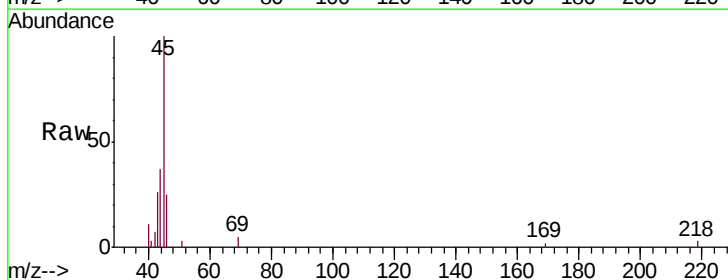
Acq: 26 Jun 2019 19:21

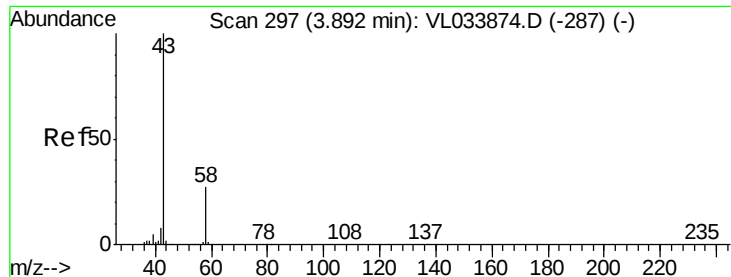
Tgt Ion: 45 Resp: 8150

Ion Ratio Lower Upper

45 100

46 0.0 15.3 61.1#





#15

Acetone

Concen: 0.679 ppbv

RT: 3.89 min Scan# 298

Delta R.T. 0.00 min

Lab File: VL033974.D

Acq: 26 Jun 2019 19:21

Instrument :

MSVOA_L

ClientSampleId :

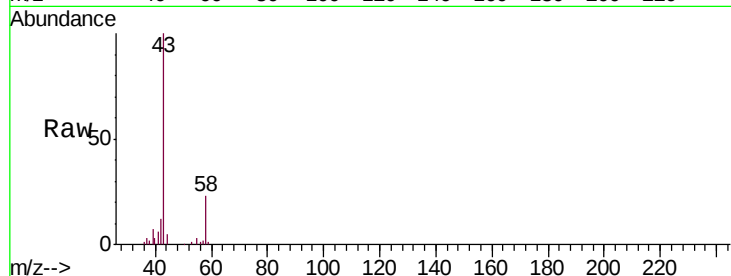
OUTDOOR-AIRDL

Tgt Ion: 43 Resp: 74357

Ion Ratio Lower Upper

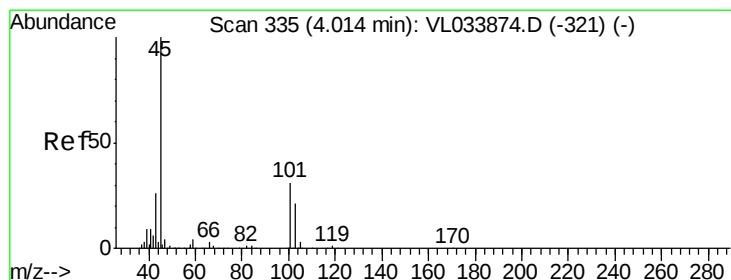
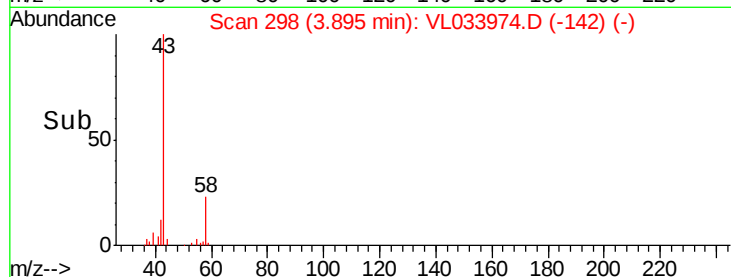
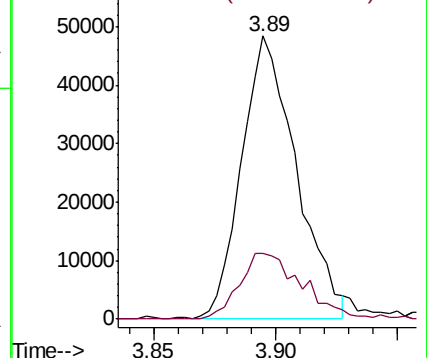
43 100

58 27.6 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 0.053 ppbv

RT: 4.03 min Scan# 340

Delta R.T. 0.02 min

Lab File: VL033974.D

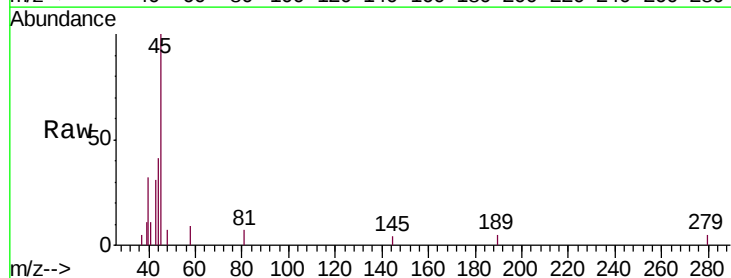
Acq: 26 Jun 2019 19:21

Tgt Ion: 45 Resp: 3343

Ion Ratio Lower Upper

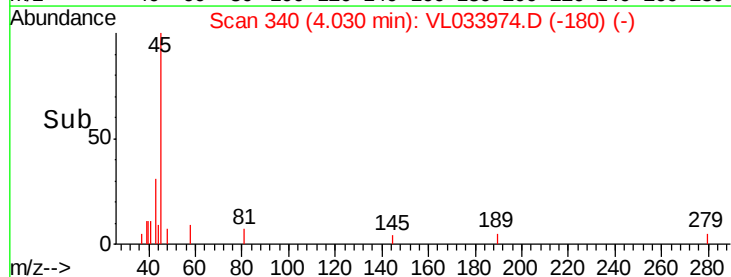
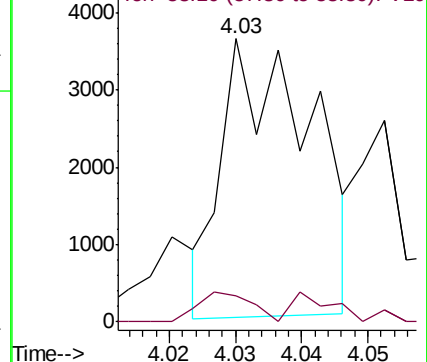
45 100

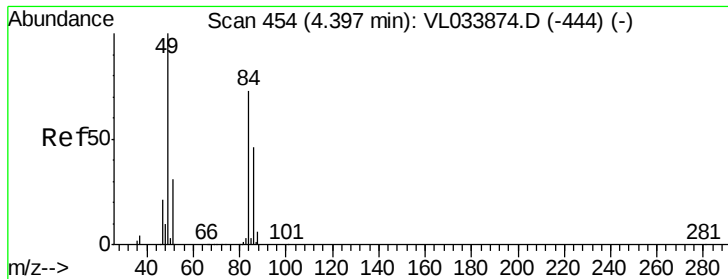
58 0.0 1.8 2.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

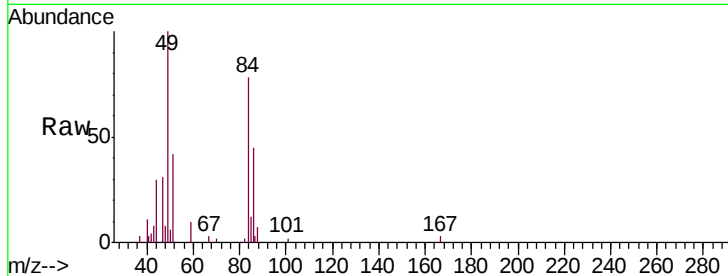




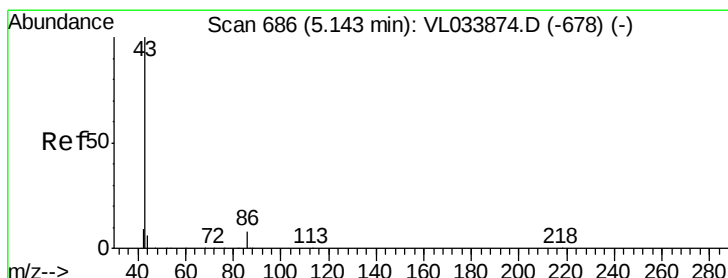
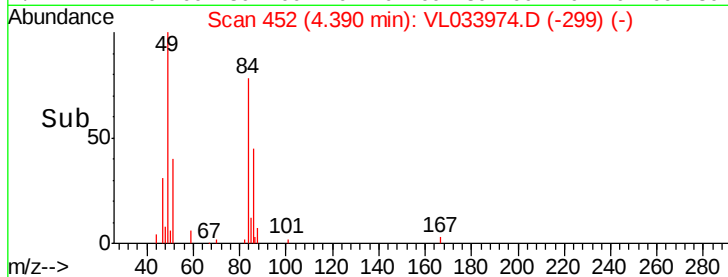
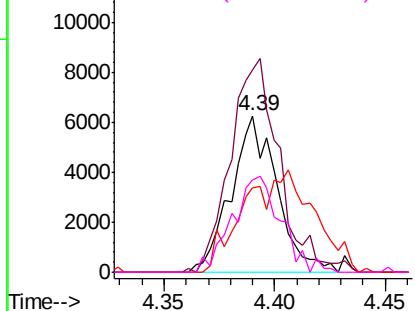
#20
Methylene Chloride
Concen: 0.211 ppbv
RT: 4.39 min Scan# 452
Delta R.T. -0.01 min
Lab File: VL033974.D
Acq: 26 Jun 2019 19:21

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-AIRDL

Tgt Ion:	84	Resp:	9019
Ion	Ratio	Lower	Upper
84	100		
49	109.4	110.0	165.0#
51	43.9	34.6	51.8
86	50.8	50.6	75.8

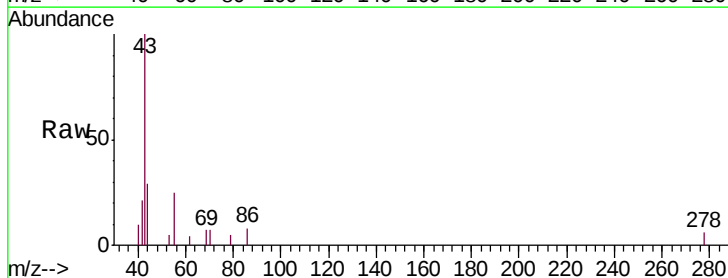


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

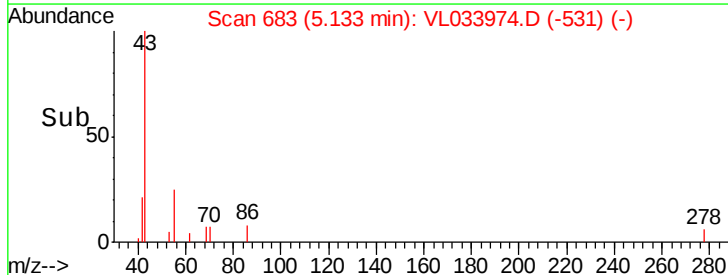
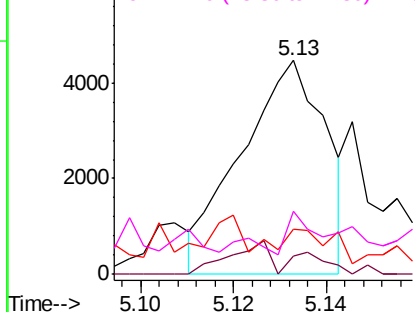


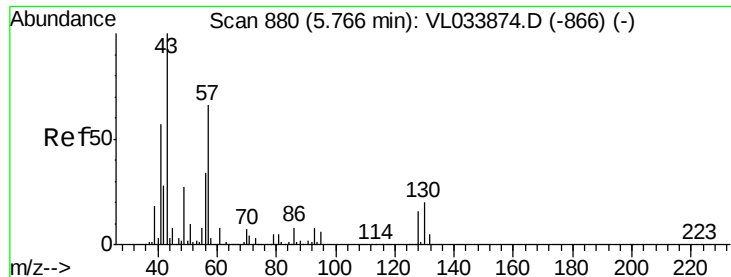
#23
Vinyl Acetate
Concen: 0.045 ppbv
RT: 5.13 min Scan# 683
Delta R.T. -0.01 min
Lab File: VL033974.D
Acq: 26 Jun 2019 19:21

Tgt Ion:	43	Resp:	5685
Ion	Ratio	Lower	Upper
43	100		
86	10.4	5.8	8.8#
42	8.6	7.8	11.8
44	12.3	4.2	6.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0

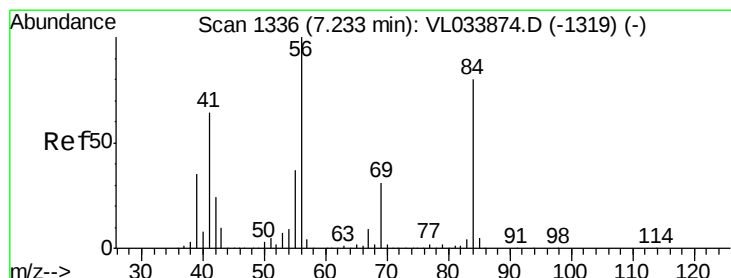
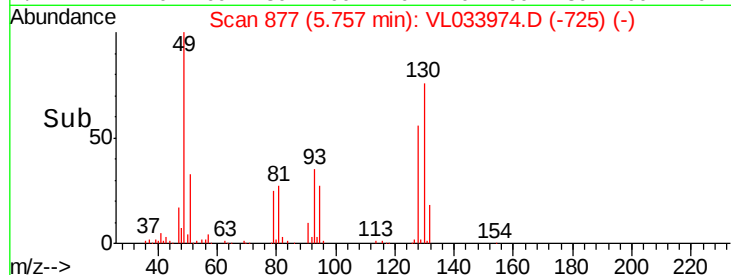
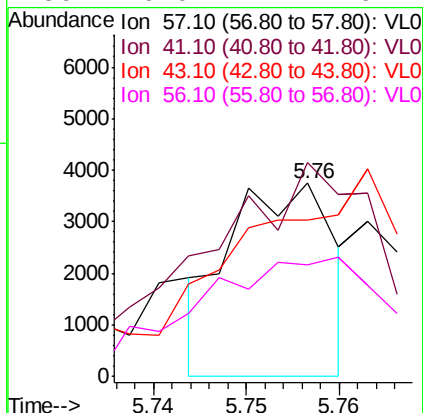
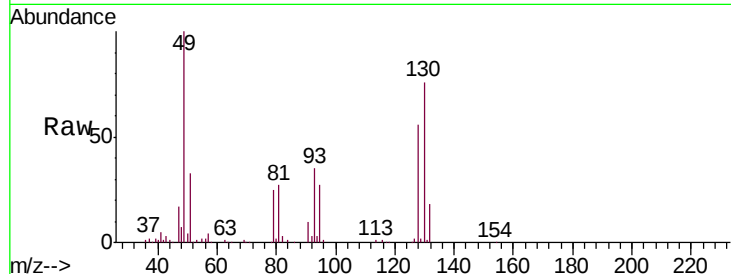




#26
Hexane
Concen: 0.038 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033974.D
Acq: 26 Jun 2019 19:21

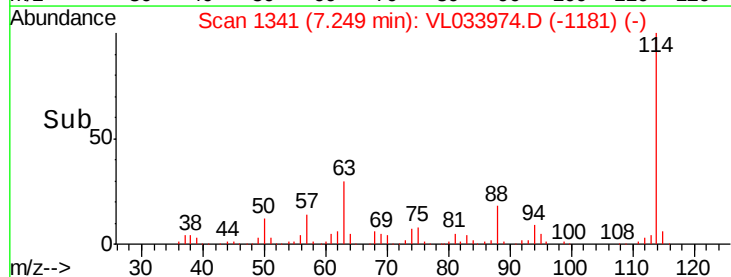
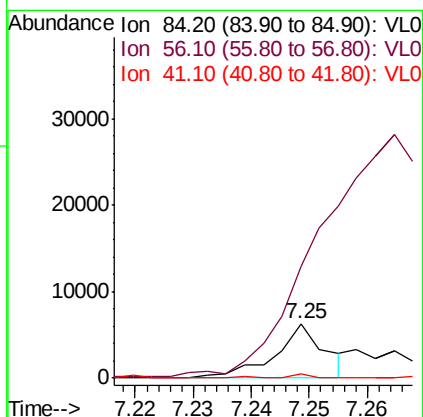
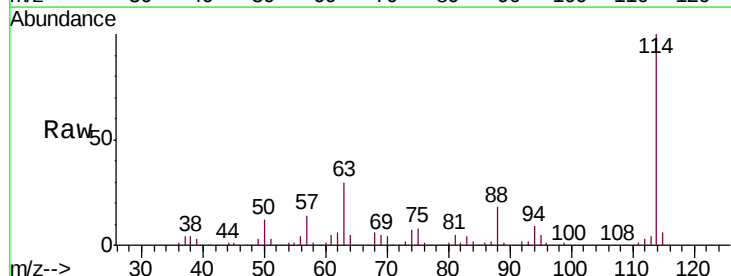
Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-AIRDL

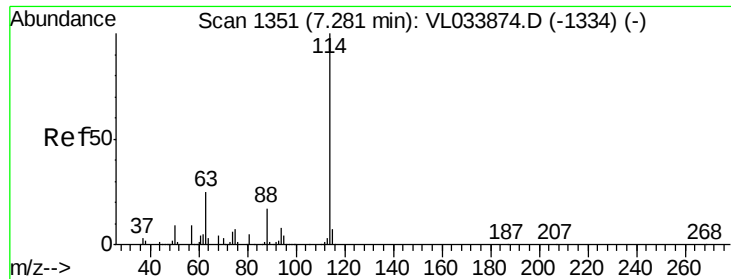
Tgt Ion: 57 Resp: 2895
Ion Ratio Lower Upper
57 100
41 223.9 71.4 107.2#
43 0.0 183.7 275.5#
56 0.0 42.7 64.1#



#30
Cyclohexane
Concen: 0.070 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.02 min
Lab File: VL033974.D
Acq: 26 Jun 2019 19:21

Tgt Ion: 84 Resp: 3742
Ion Ratio Lower Upper
84 100
56 0.0 105.8 158.8#
41 8.6 65.7 98.5#

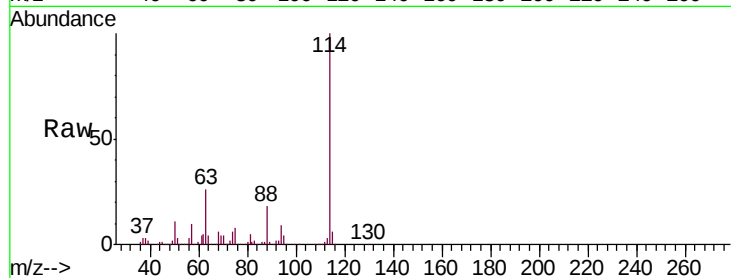




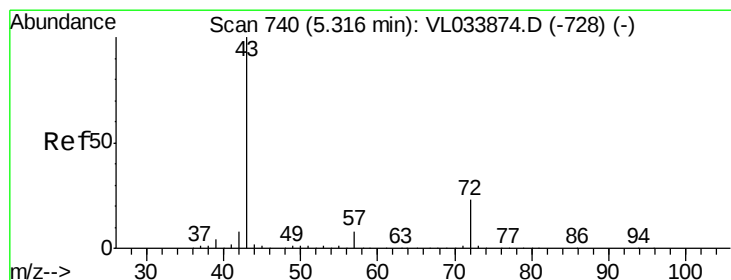
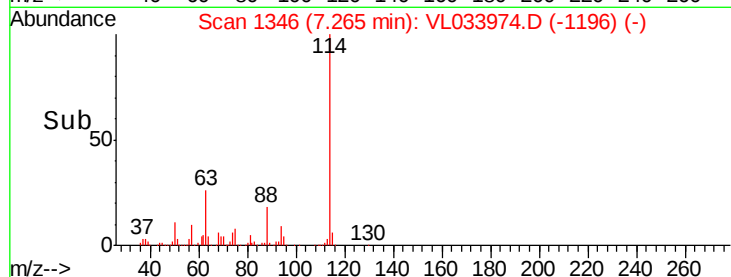
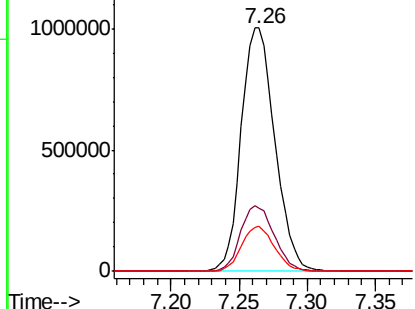
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.26 min Scan# 1346
 Delta R.T. -0.02 min
 Lab File: VL033974.D
 Acq: 26 Jun 2019 19:21

Instrument :
 MSVOA_L
 ClientSampleId :
 OUTDOOR-AIRDL

Tgt Ion:114 Resp: 1717223
 Ion Ratio Lower Upper
 114 100
 63 27.2 21.1 31.7
 88 18.2 14.2 21.4

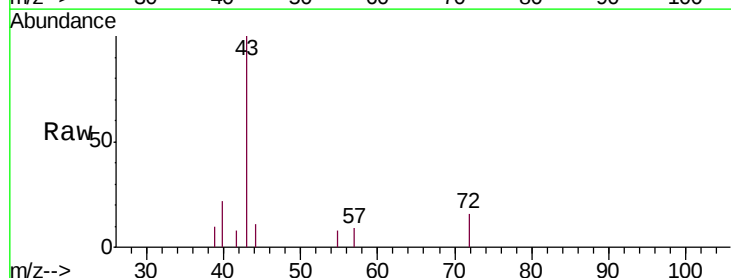


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

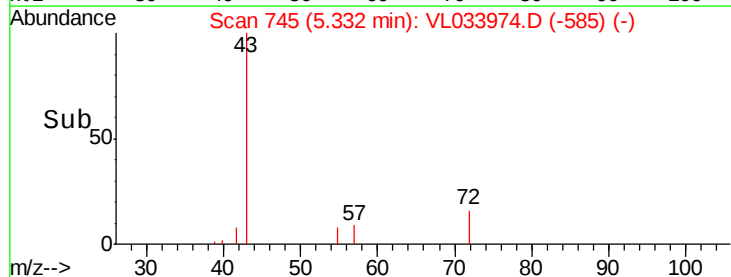
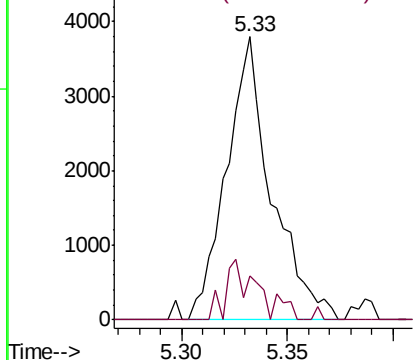


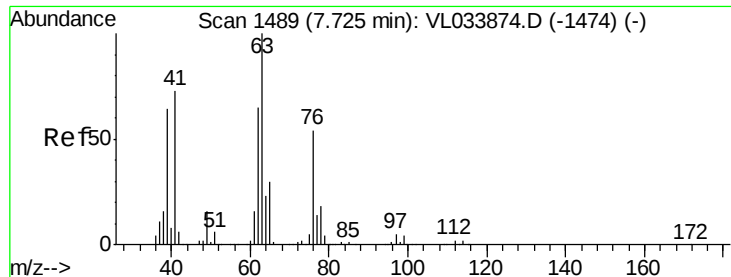
#34
 2-Butanone
 Concen: 0.058 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. 0.02 min
 Lab File: VL033974.D
 Acq: 26 Jun 2019 19:21

Tgt Ion: 43 Resp: 5611
 Ion Ratio Lower Upper
 43 100
 72 16.2 17.9 26.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

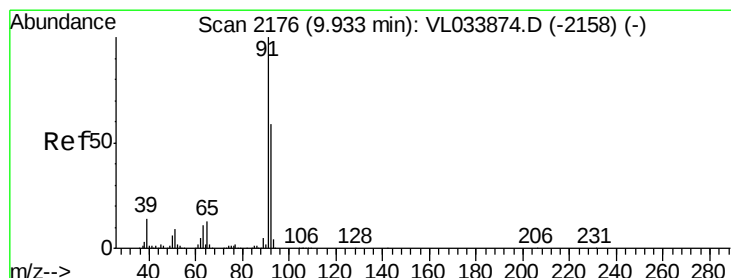
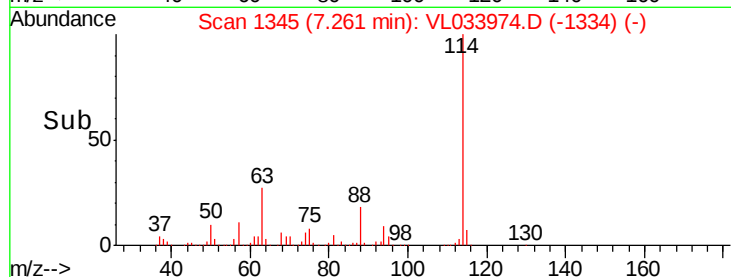
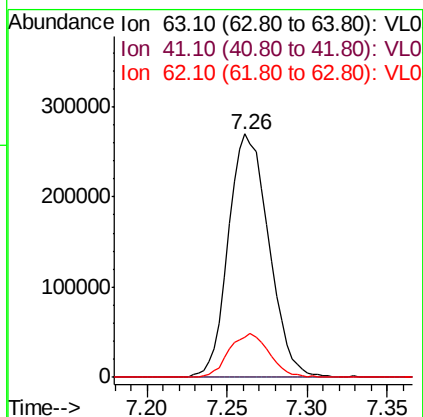
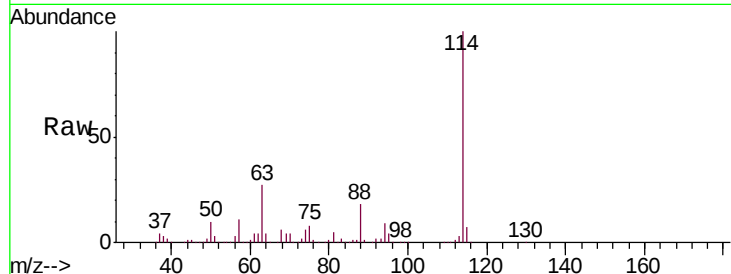




#39
 1,2-Dichloropropane
 Concen: 9.183 ppbv
 RT: 7.26 min Scan# 1345
 Delta R.T. -0.46 min
 Lab File: VL033974.D
 Acq: 26 Jun 2019 19:21

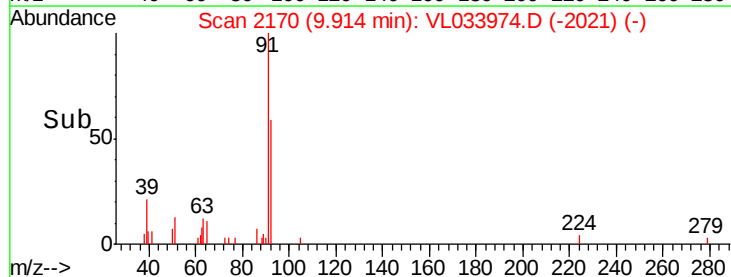
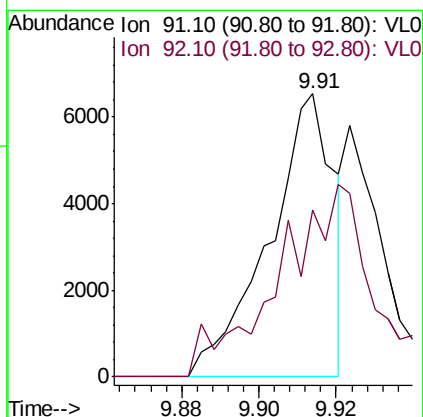
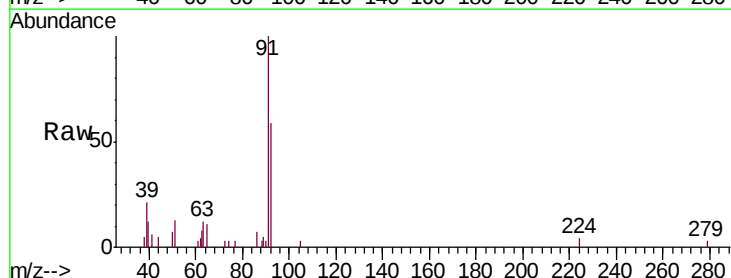
Instrument :
 MSVOA_L
 ClientSampleId :
 OUTDOOR-AIRDL

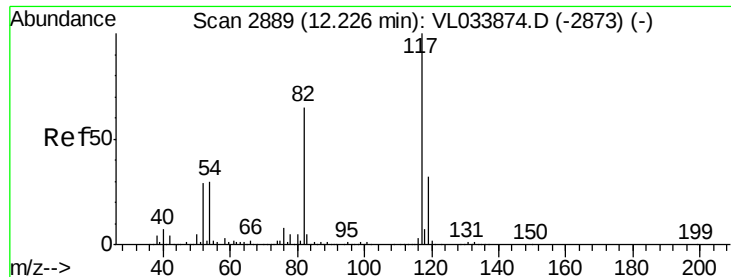
Tgt Ion: 63 Resp: 464933
 Ion Ratio Lower Upper
 63 100
 41 0.0 58.7 88.1#
 62 16.3 51.9 77.9#



#53
 Toluene
 Concen: 0.052 ppbv
 RT: 9.91 min Scan# 2170
 Delta R.T. -0.02 min
 Lab File: VL033974.D
 Acq: 26 Jun 2019 19:21

Tgt Ion: 91 Resp: 7592
 Ion Ratio Lower Upper
 91 100
 92 0.0 47.0 70.6#

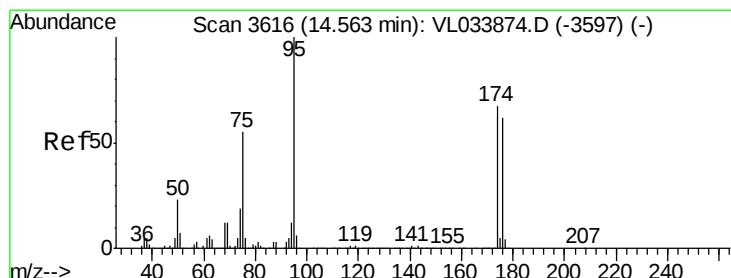
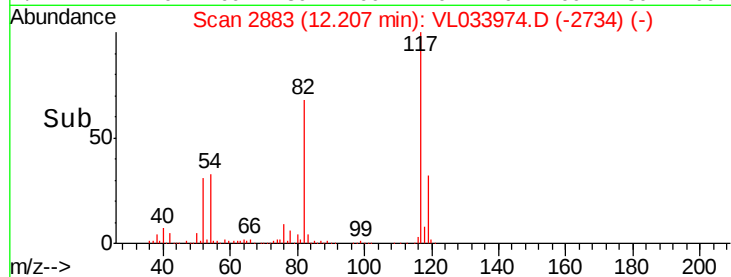
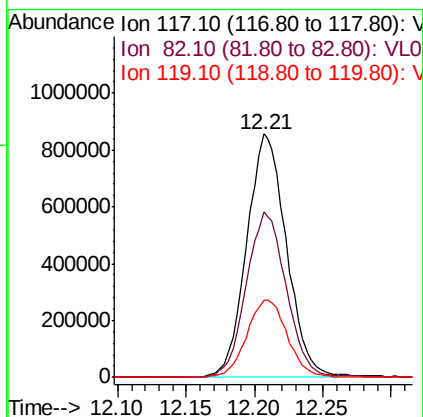
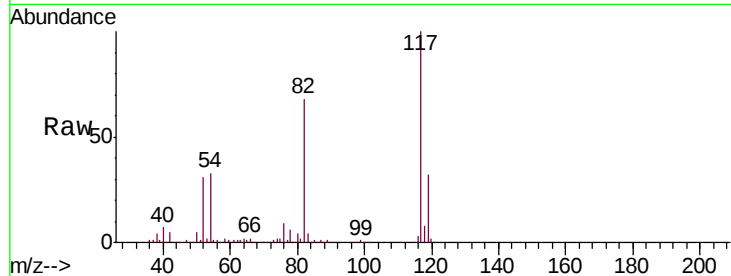




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.21 min Scan# 2883
Delta R.T. -0.02 min
Lab File: VL033974.D
Acq: 26 Jun 2019 19:21

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-AIRDL

Tgt Ion: 117 Resp: 1723974
Ion Ratio Lower Upper
117 100
82 69.2 50.2 75.2
119 32.8 24.8 37.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.933 ppbv
RT: 14.54 min Scan# 3610
Delta R.T. -0.02 min
Lab File: VL033974.D
Acq: 26 Jun 2019 19:21

Tgt Ion: 95 Resp: 1406492
Ion Ratio Lower Upper
95 100
174 66.8 54.0 81.0
175 4.6 3.8 5.8

