

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL041918\
 Data File : VL031886.D
 Acq On : 19 Apr 2018 20:22
 Operator : SY/AP
 Sample : J2133-13 0.1 PPBV
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

Quant Time: Apr 20 08:00:57 2018

Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 16:50:02 2018

QLast Update : Fri Apr 13 16:50:02 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1108667	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2598398	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2514845	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.72	95	2075548	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.31	85	25978	0.11	ppbv	89
3) Chlorodifluoromethane	3.10	51	17593	0.14	ppbv	94
4) Chloromethane	3.26	50	9071	0.14	ppbv	96
5) Vinyl Chloride	3.39	62	4423	0.06	ppbv #	64
6) Bromomethane	3.62	94	6124	0.13	ppbv #	51
7) Chloroethane	3.70	64	3303	0.11	ppbv #	72
8) Dichlorotetrafluoroethane	3.31	85	25978	0.14	ppbv	93
11) Trichlorofluoromethane	4.11	101	31840	0.14	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.66	101	7841	0.05	ppbv #	14
13) Ethanol	3.77	45	1888	0.12	ppbv #	38
14) Bromoethene	3.89	108	5693	0.10	ppbv #	87
15) Acetone	4.04	43	33255	0.19	ppbv	99
16) 1,3-Butadiene	3.45	39	4320	0.07	ppbv #	10
18) 1,1-Dichloroethene	4.46	96	4574	0.07	ppbv	98
20) Methylene Chloride	4.52	84	7028	0.11	ppbv #	86
21) Allyl Chloride	4.58	41	5041	0.05	ppbv #	1
22) trans-1,2-Dichloroethene	5.07	96	3556	0.05	ppbv #	57
23) Vinyl Acetate	5.28	43	8498	0.05	ppbv #	93
24) 1,1-Dichloroethane	5.21	63	19229	0.11	ppbv	97
25) Ethyl Acetate	5.91	43	18172	0.07	ppbv #	75
26) Hexane	5.91	57	11105	0.09	ppbv #	70
27) Carbon Disulfide	4.73	76	8317	0.05	ppbv #	1
28) Methyl tert-Butyl Ether	5.25	73	7239	0.05	ppbv #	54
29) Chloroform	5.97	83	23076	0.11	ppbv	92
31) cis-1,2-Dichloroethene	5.76	61	4278	0.04	ppbv #	75
32) 1,1,1-Trichloroethane	6.74	97	10337	0.05	ppbv #	6
34) 2-Butanone	5.48	43	10816	0.06	ppbv #	70
36) Benzene	7.13	78	8591	0.04	ppbv #	88
37) 1,2-Dichloroethane	6.54	62	15769	0.09	ppbv #	92
38) Trichloroethene	8.09	130	3098	0.03	ppbv #	77
39) 1,2-Dichloropropane	7.42	63	694943	8.00	ppbv #	21
42) Bromodichloromethane	8.05	83	21957	0.11	ppbv #	86
44) 2,2,4-Trimethylpentane	8.13	57	26223	0.07	ppbv #	77
46) cis-1,3-Dichloropropene	8.97	75	5647	0.04	ppbv #	75
47) 1,1,2-Trichloroethane	9.75	97	4803	0.05	ppbv #	76
48) Dibromochloromethane	10.59	129	7481	0.04	ppbv #	10
57) Chlorobenzene	12.45	112	12393	0.06	ppbv #	91
59) m/p-Xylene	13.29	91	9929	0.03	ppbv #	32
61) Styrene	13.83	104	2088	0.04	ppbv #	24
62) Isopropylbenzene	14.97	105	29112	0.07	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.99	83	7888	0.03	ppbv #	25

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 LOD-MDL-AIR-01-QT2-2018

Quant Time: Apr 20 08:00:57 2018
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 16:50:02 2018
 QLast Update : Fri Apr 13 16:50:02 2018
 Response via : Initial Calibration

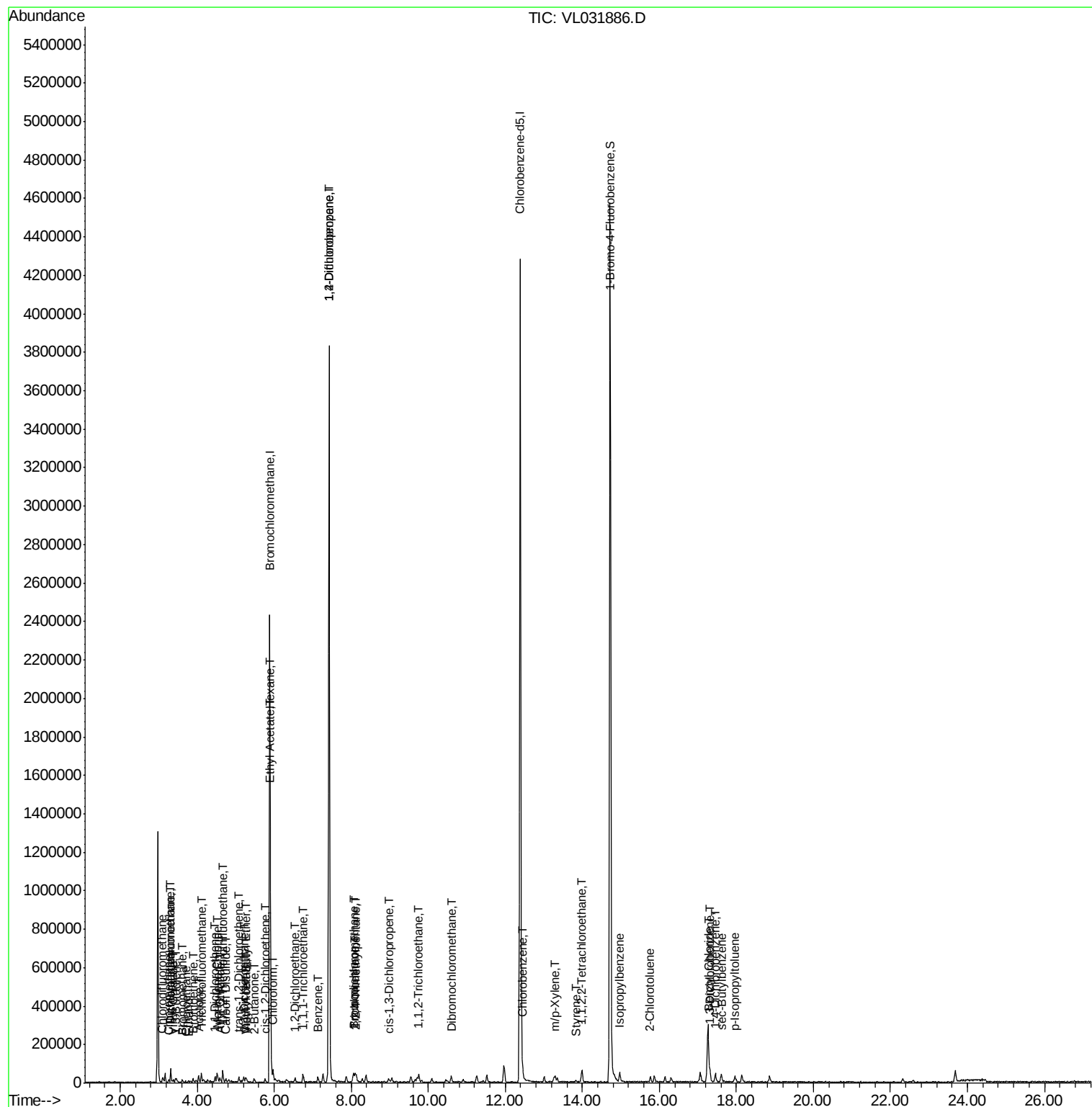
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) Benzyl Chloride	17.30	91	1501	0.05	ppbv #	68
67) sec-Butylbenzene	17.60	105	18280	0.04	ppbv #	60
69) p-Isopropyltoluene	17.97	119	15258	0.04	ppbv #	77
71) 2-Chlorotoluene	15.77	91	14996	0.05	ppbv	84
75) 1,3-Dichlorobenzene	17.32	146	10269	0.05	ppbv #	1
76) 1,4-Dichlorobenzene	17.45	146	7147	0.04	ppbv #	23

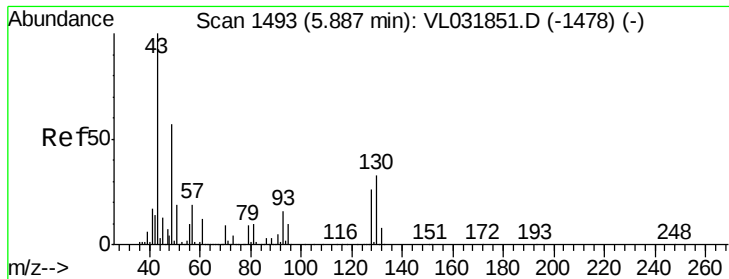
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.88 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2018

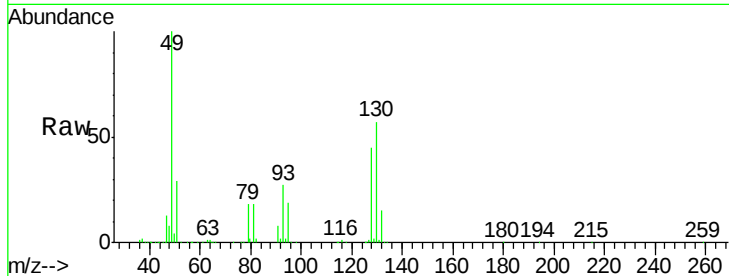
Tgt Ion: 49 Resp: 1108667

Ion Ratio Lower Upper

49 100

128 49.0 23.9 71.7

130 63.6 30.9 92.7



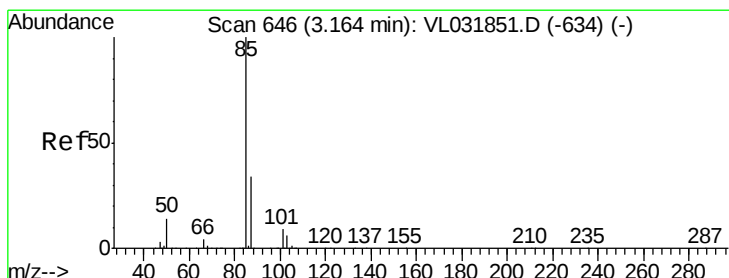
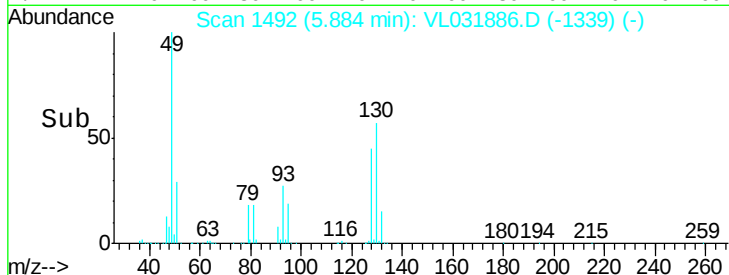
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.88

Time-->



#2

Dichlorodifluoromethane

Concen: 0.11 ppbv

RT: 3.31 min Scan# 692

Delta R.T. 0.15 min

Lab File: VL031886.D

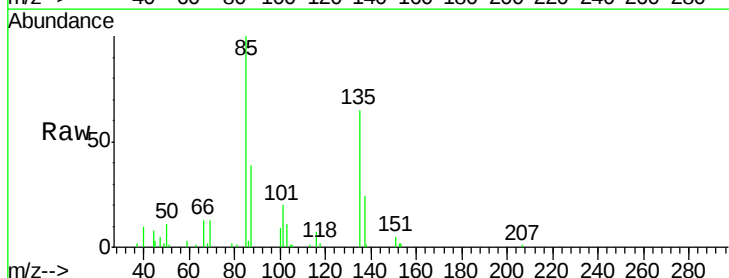
Acq: 19 Apr 2018 20:22

Tgt Ion: 85 Resp: 25978

Ion Ratio Lower Upper

85 100

87 38.6 25.9 38.9

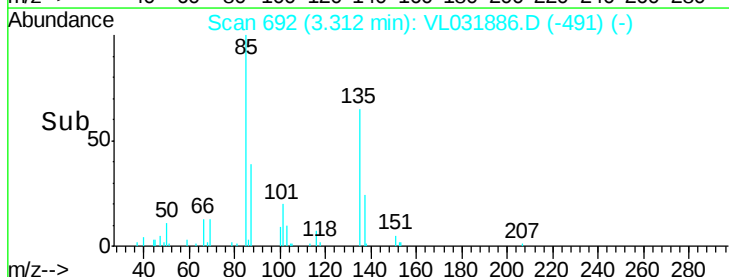


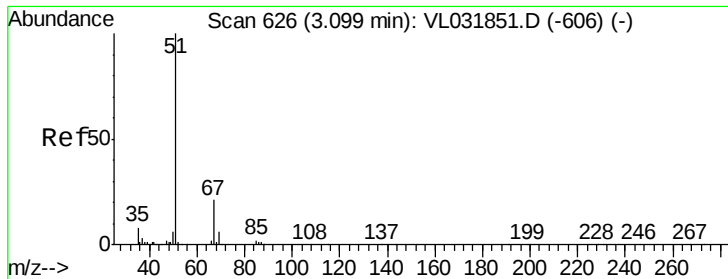
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.31

Time-->





#3

Chlorodifluoromethane

Concen: 0.14 ppbv

RT: 3.10 min Scan# 626

Delta R.T. -0.00 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

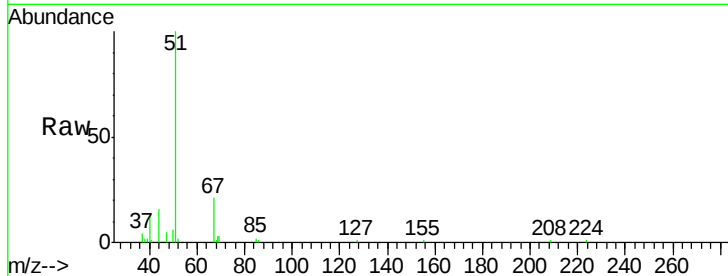
LOD-MDL-AIR-01-QT2-2018

Tgt Ion: 51 Resp: 17593

Ion Ratio Lower Upper

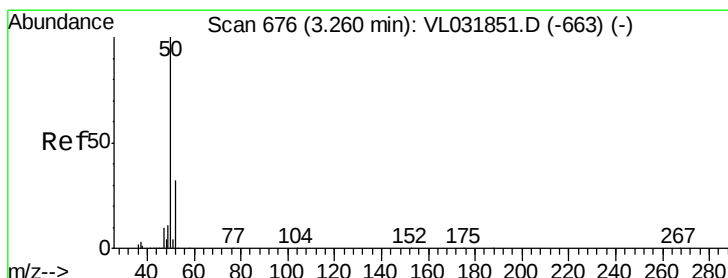
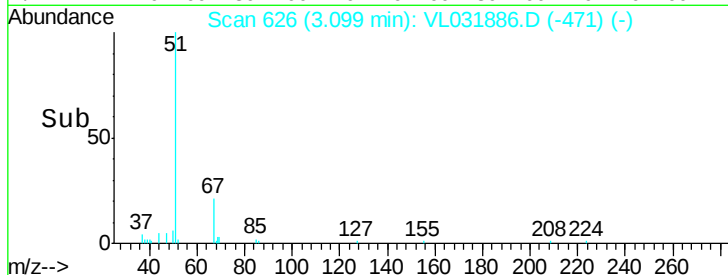
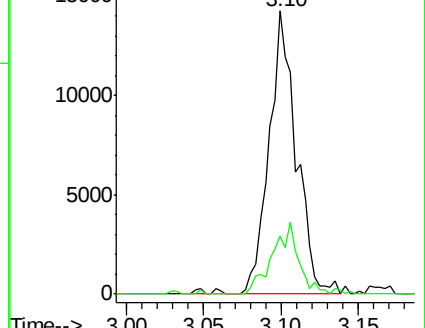
51 100

67 24.6 17.5 26.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.14 ppbv

RT: 3.26 min Scan# 677

Delta R.T. 0.00 min

Lab File: VL031886.D

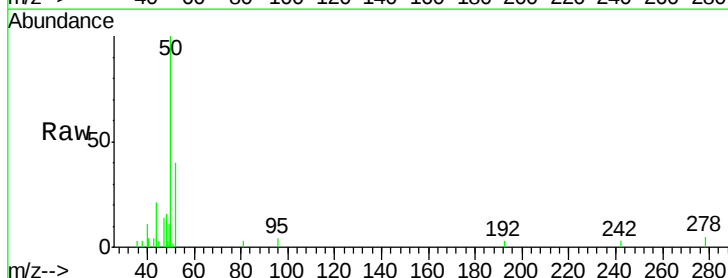
Acq: 19 Apr 2018 20:22

Tgt Ion: 50 Resp: 9071

Ion Ratio Lower Upper

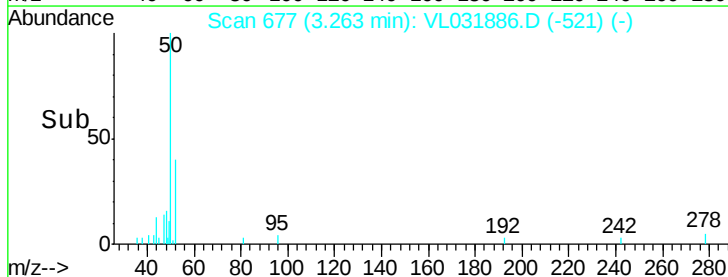
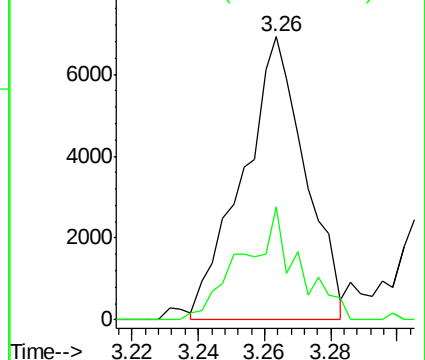
50 100

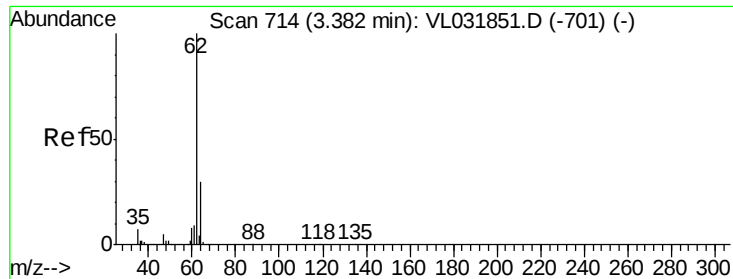
52 37.6 28.1 42.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.06 ppbv

RT: 3.39 min Scan# 715

Delta R.T. 0.00 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

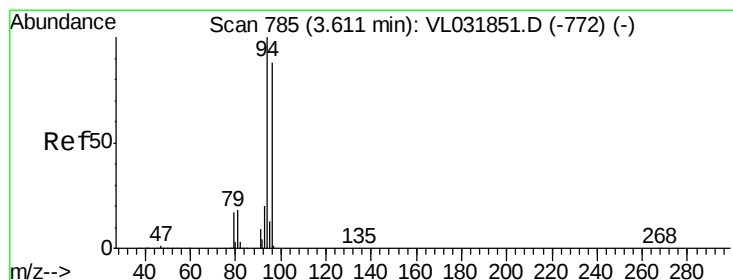
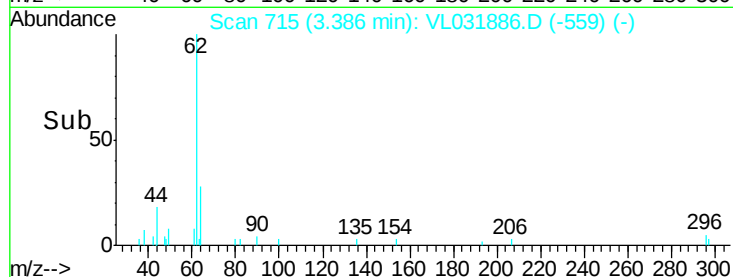
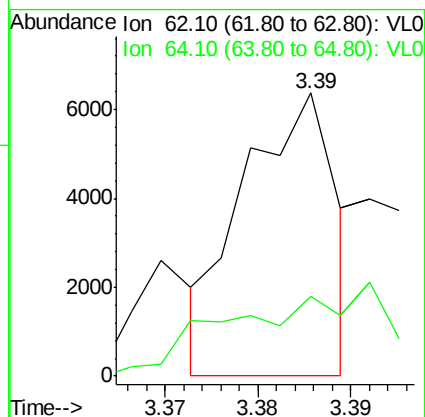
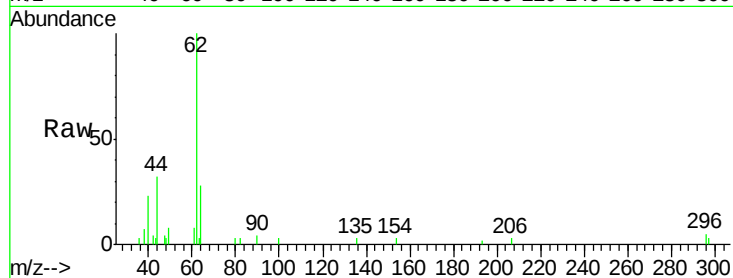
LOD-MDL-AIR-01-QT2-2018

Tgt Ion: 62 Resp: 4423

Ion Ratio Lower Upper

62 100

64 12.3 25.9 38.9#



#6

Bromomethane

Concen: 0.13 ppbv

RT: 3.62 min Scan# 787

Delta R.T. 0.01 min

Lab File: VL031886.D

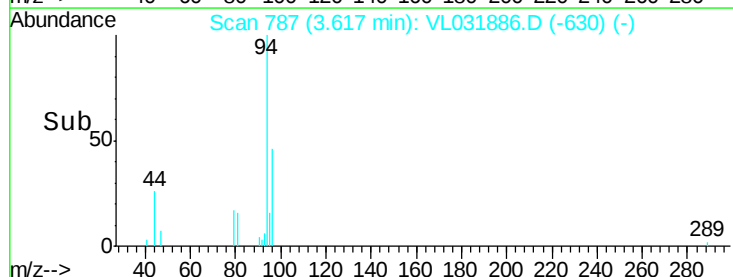
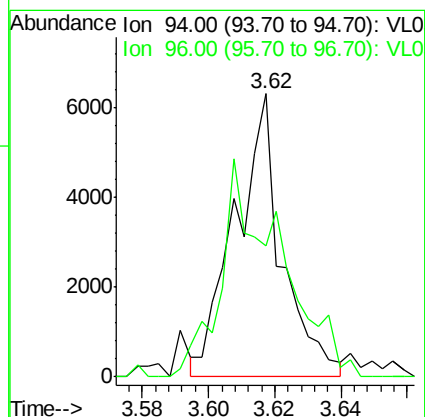
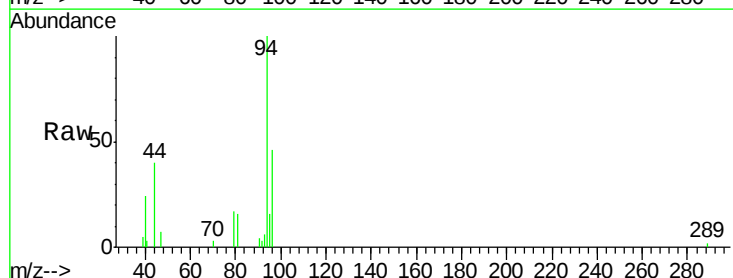
Acq: 19 Apr 2018 20:22

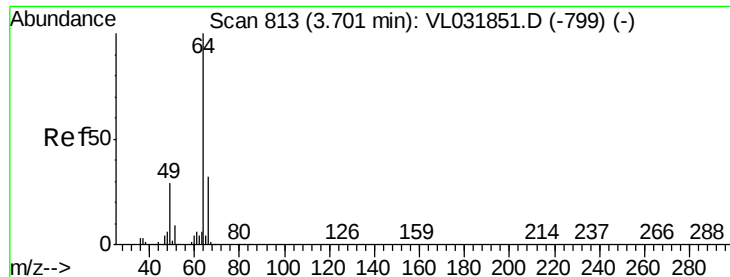
Tgt Ion: 94 Resp: 6124

Ion Ratio Lower Upper

94 100

96 45.2 73.8 110.6#





#7

Chloroethane

Concen: 0.11 ppbv

RT: 3.70 min Scan# 813

Delta R.T. 0.00 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

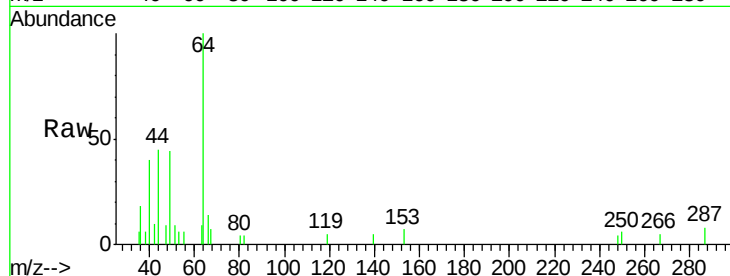
LOD-MDL-AIR-01-QT2-2018

Tgt Ion: 64 Resp: 3303

Ion Ratio Lower Upper

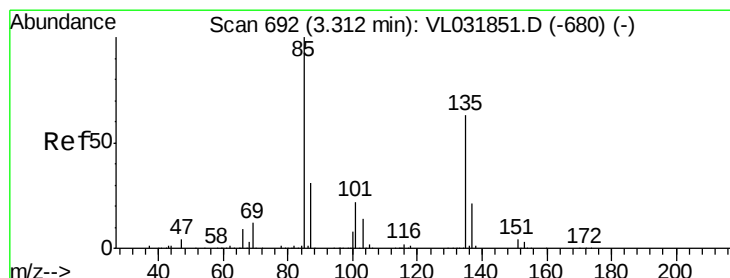
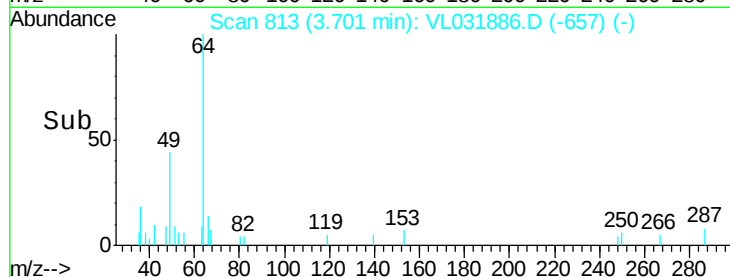
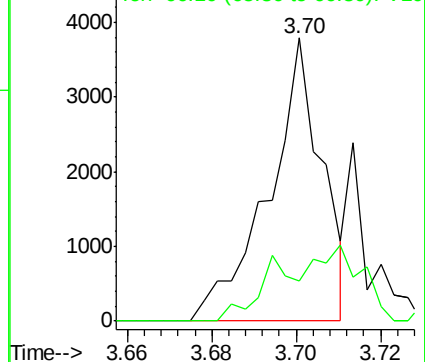
64 100

66 14.2 23.4 35.0#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.14 ppbv

RT: 3.31 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL031886.D

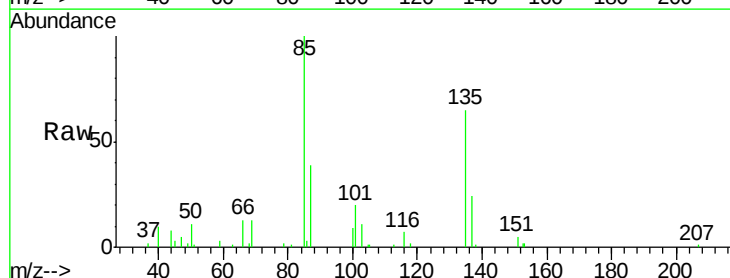
Acq: 19 Apr 2018 20:22

Tgt Ion: 85 Resp: 25978

Ion Ratio Lower Upper

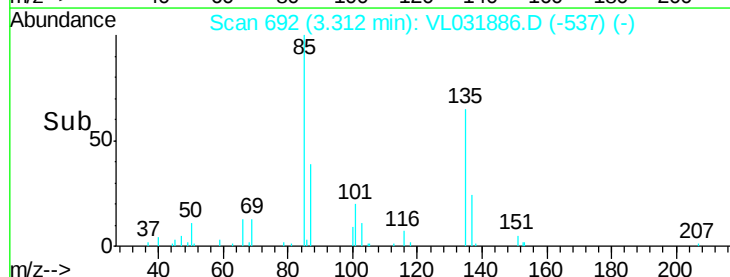
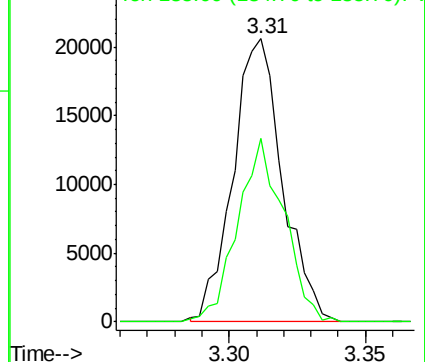
85 100

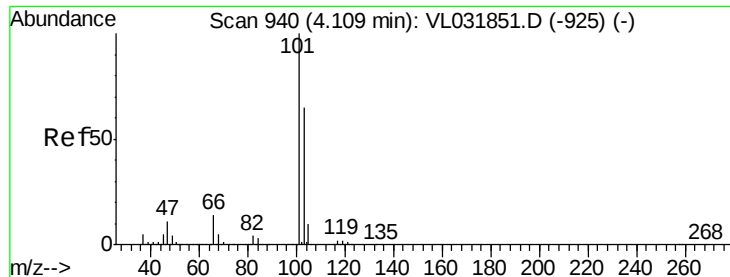
135 60.5 52.7 79.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#11

Trichlorofluoromethane

Concen: 0.14 ppbv

RT: 4.11 min Scan# 940

Delta R.T. -0.00 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

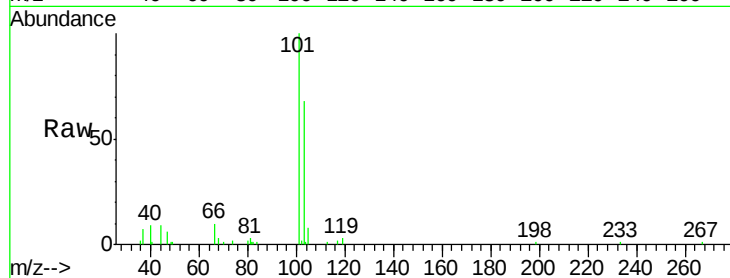
LOD-MDL-AIR-01-QT2-2018

Tgt Ion:101 Resp: 31840

Ion Ratio Lower Upper

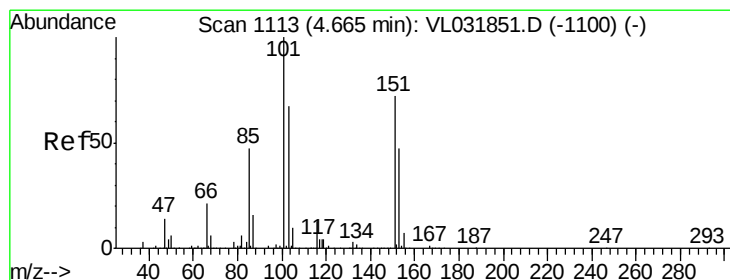
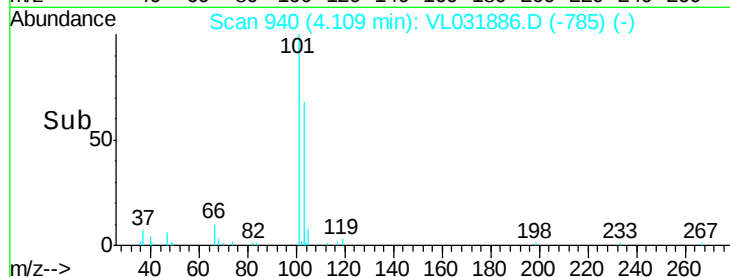
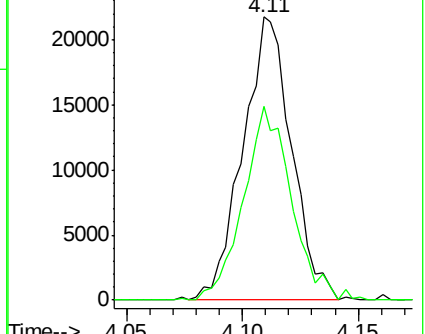
101 100

103 68.5 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.05 ppbv

RT: 4.66 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VL031886.D

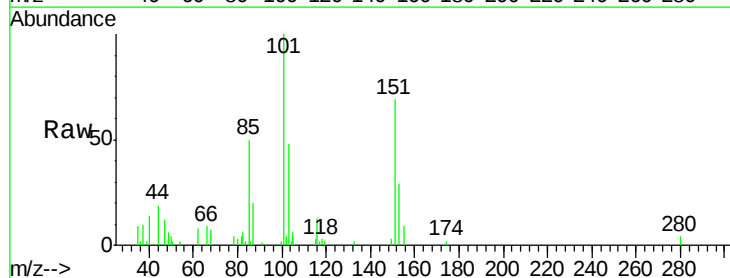
Acq: 19 Apr 2018 20:22

Tgt Ion:101 Resp: 7841

Ion Ratio Lower Upper

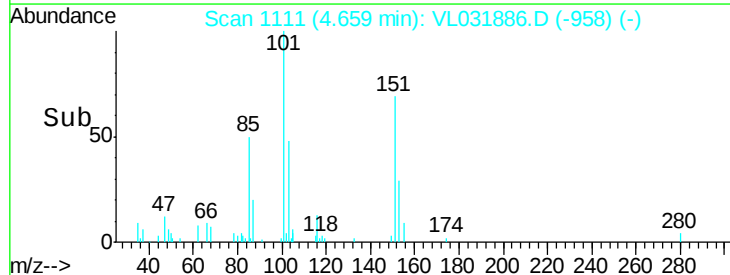
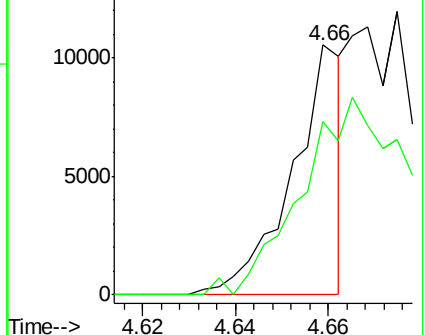
101 100

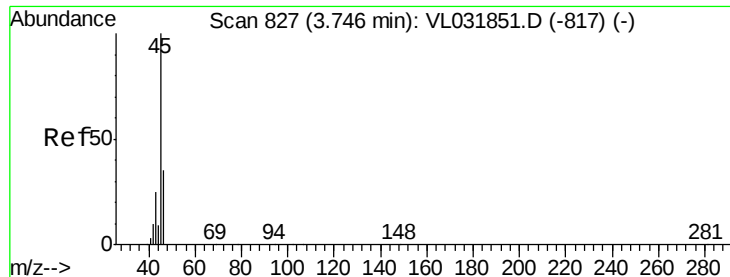
151 0.0 57.0 85.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

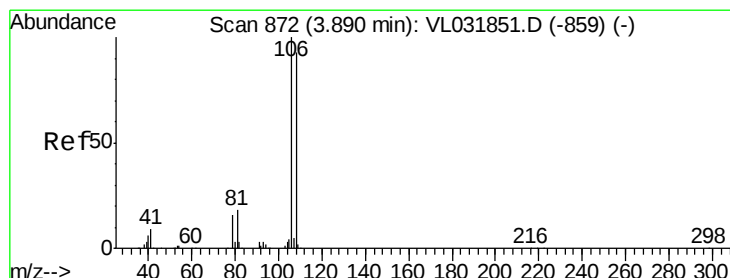
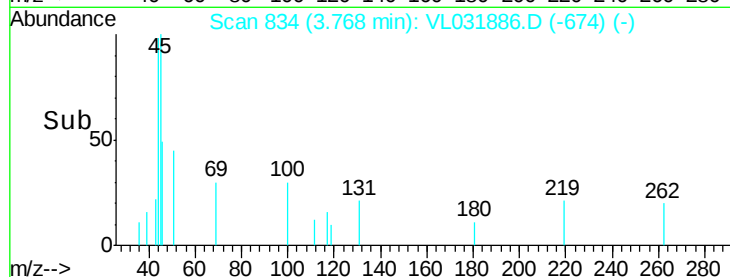
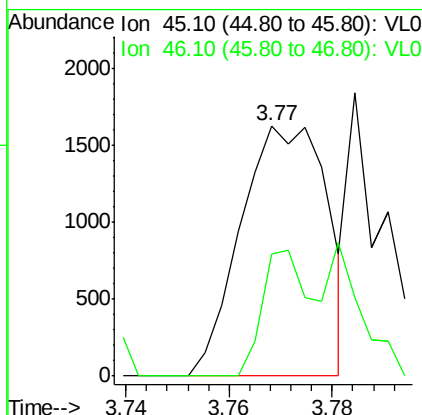
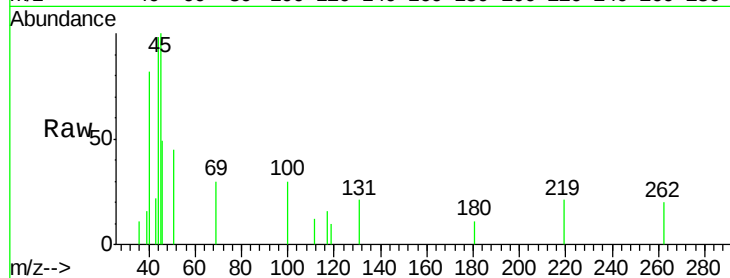




#13
Ethanol
Concen: 0.12 ppbv
RT: 3.77 min Scan# 834
Delta R.T. 0.02 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

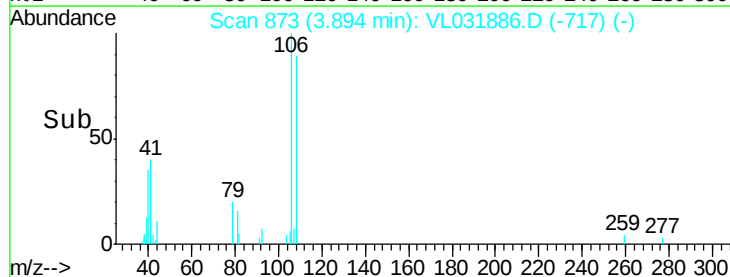
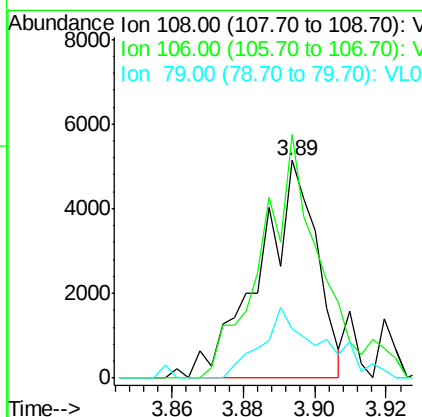
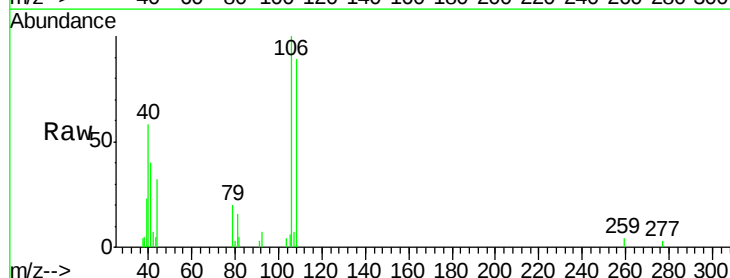
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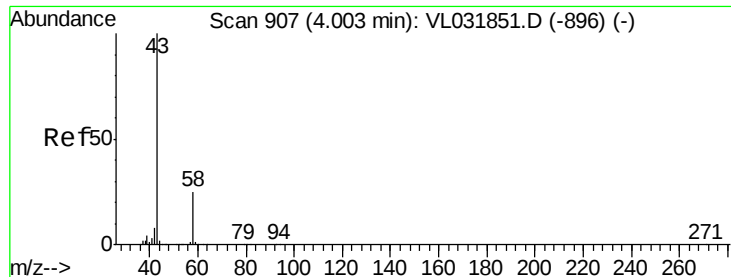
Tgt Ion: 45 Resp: 1888
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.6#



#14
Bromoethene
Concen: 0.10 ppbv
RT: 3.89 min Scan# 873
Delta R.T. 0.00 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Tgt Ion: 108 Resp: 5693
Ion Ratio Lower Upper
108 100
106 118.0 86.6 130.0
79 35.2 15.5 23.3#





#15

Acetone

Concen: 0.19 ppbv

RT: 4.04 min Scan# 917

Delta R.T. 0.03 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

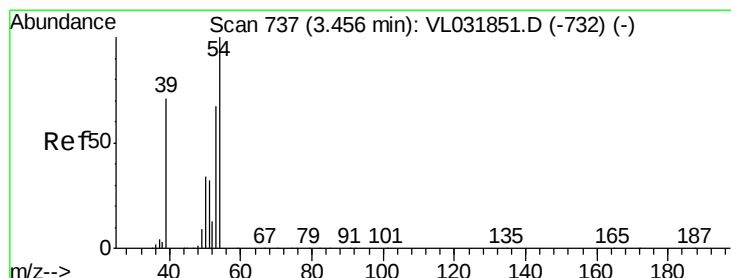
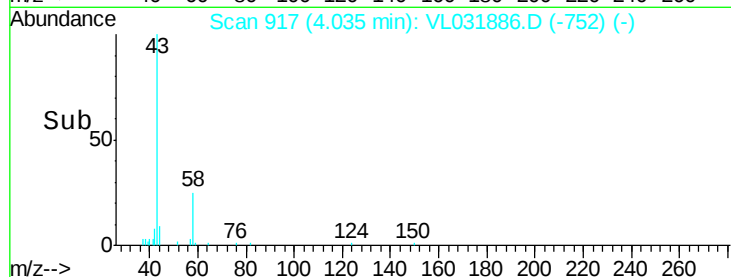
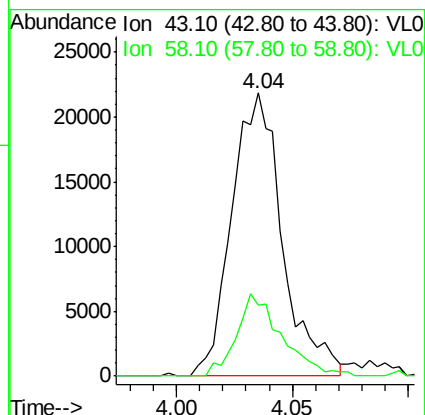
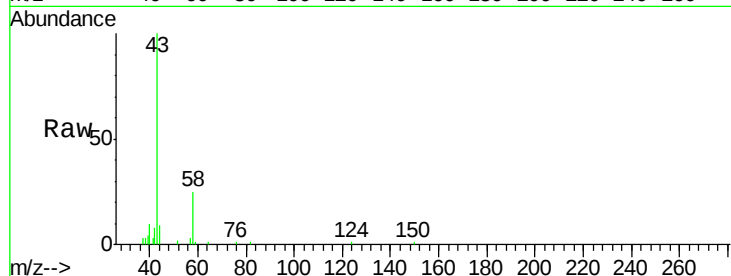
LOD-MDL-AIR-01-QT2-2018

Tgt Ion: 43 Resp: 33255

Ion Ratio Lower Upper

43 100

58 25.8 20.9 31.3



#16

1,3-Butadiene

Concen: 0.07 ppbv

RT: 3.45 min Scan# 736

Delta R.T. -0.00 min

Lab File: VL031886.D

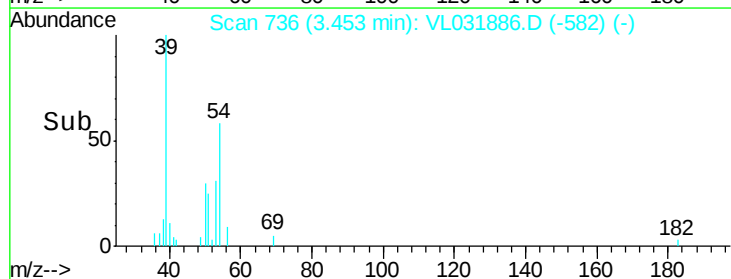
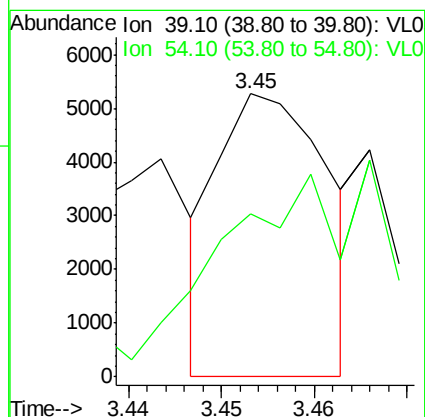
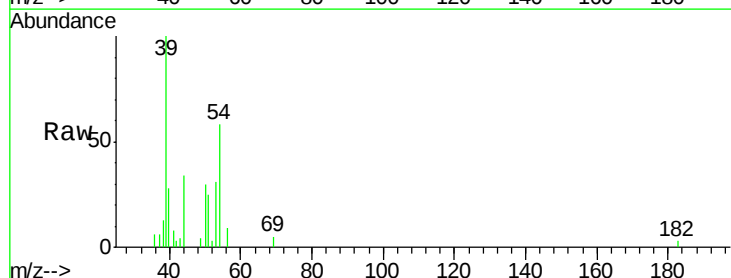
Acq: 19 Apr 2018 20:22

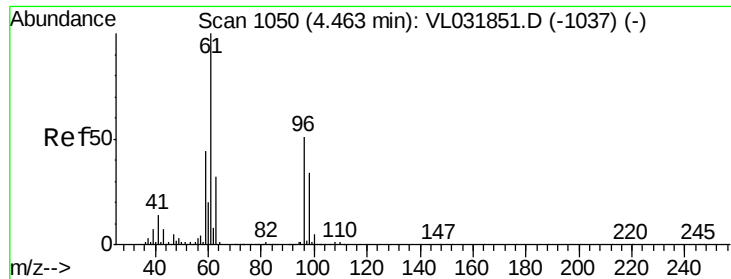
Tgt Ion: 39 Resp: 4320

Ion Ratio Lower Upper

39 100

54 0.0 63.3 94.9#

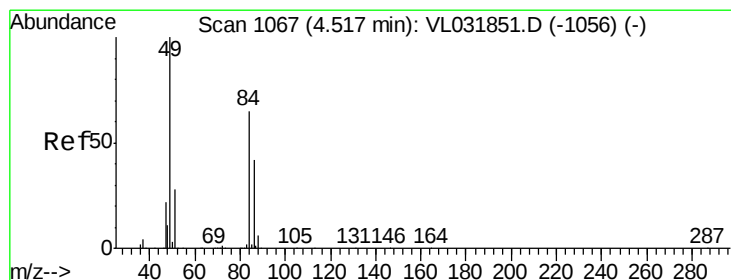
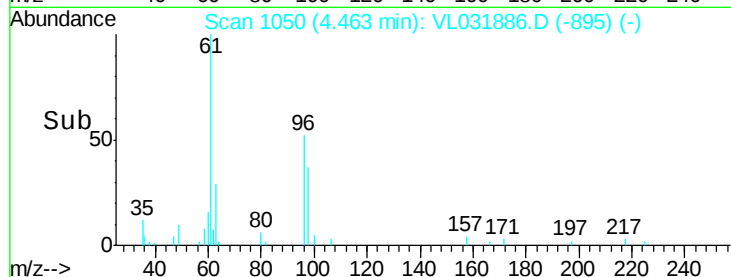
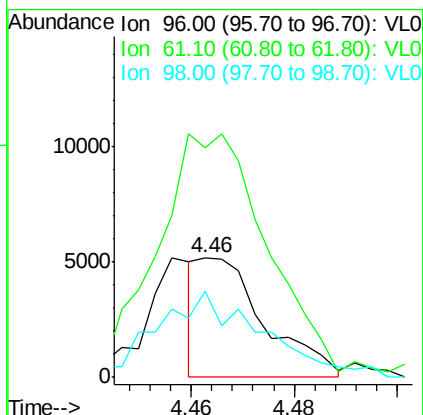
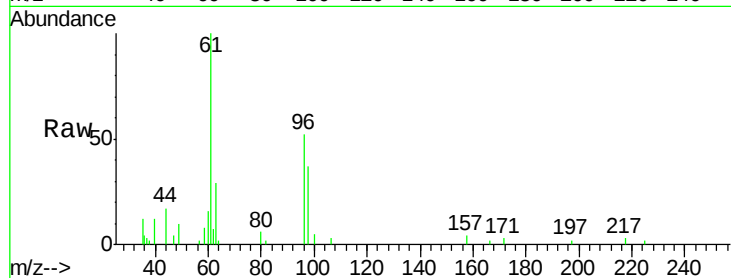




#18
 1,1-Dichloroethene
 Concen: 0.07 ppbv
 RT: 4.46 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

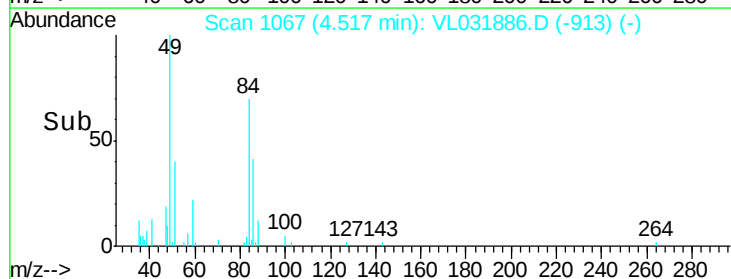
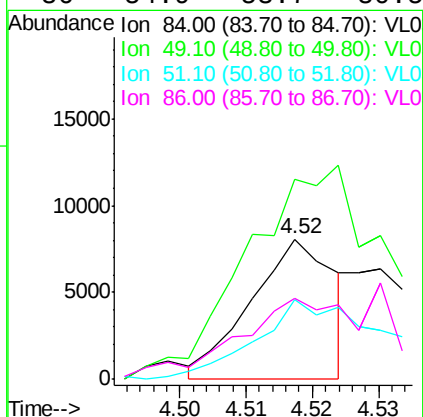
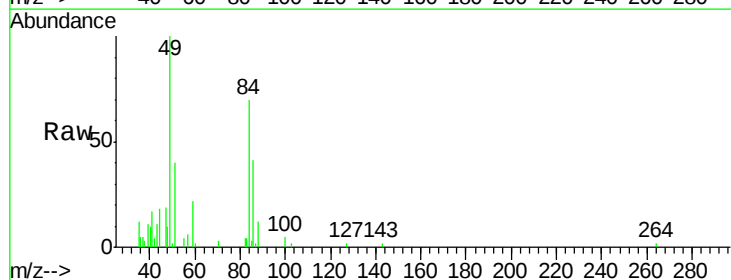
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

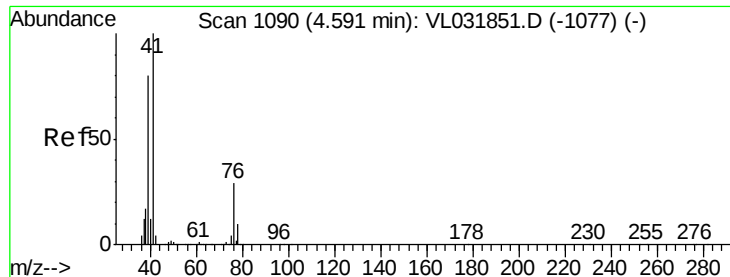
Tgt Ion: 96 Resp: 4574
 Ion Ratio Lower Upper
 96 100
 61 197.2 161.0 241.6
 98 66.3 52.7 79.1



#20
 Methylene Chloride
 Concen: 0.11 ppbv
 RT: 4.52 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Tgt Ion: 84 Resp: 7028
 Ion Ratio Lower Upper
 84 100
 49 140.7 125.6 188.4
 51 55.9 36.4 54.6#
 86 54.9 53.7 80.5

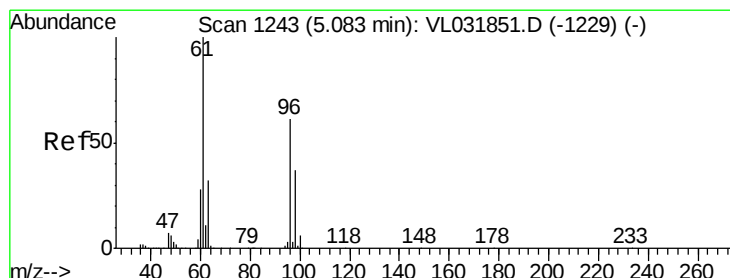
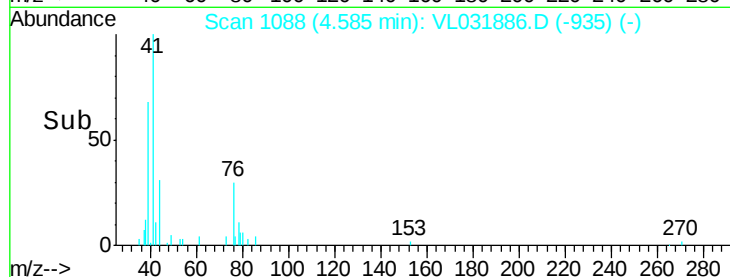
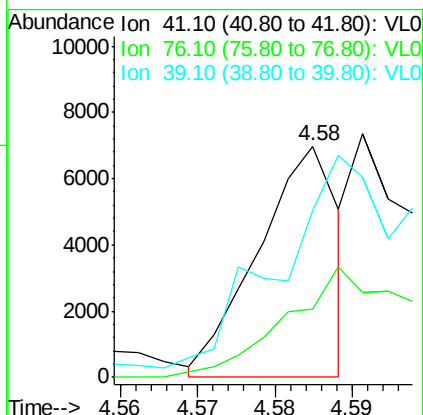
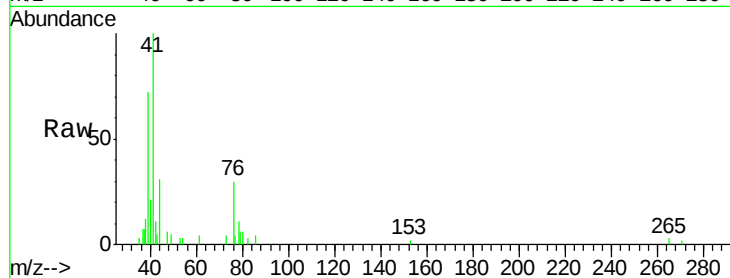




#21
 Allyl Chloride
 Concen: 0.05 ppbv
 RT: 4.58 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

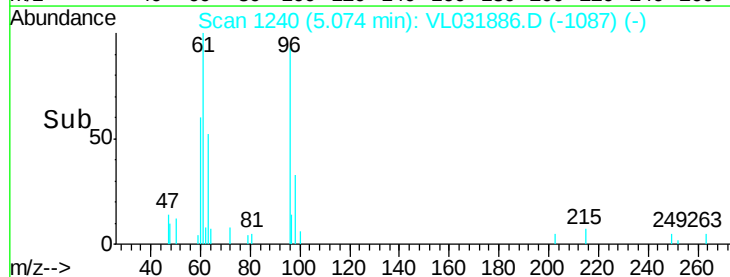
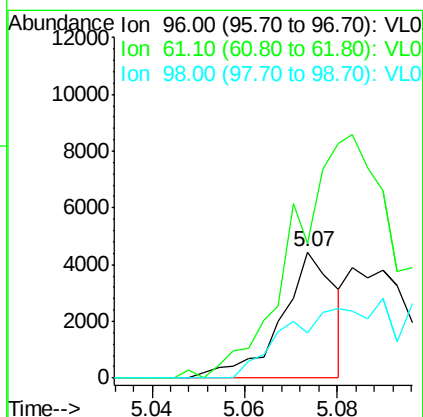
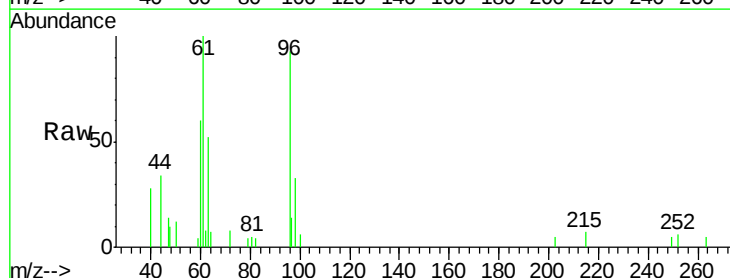
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

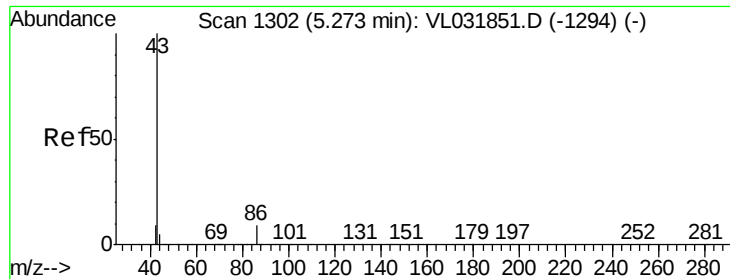
Tgt Ion: 41 Resp: 5041
 Ion Ratio Lower Upper
 41 100
 76 77.9 23.4 35.2#
 39 202.0 67.6 101.4#



#22
 trans-1,2-Dichloroethene
 Concen: 0.05 ppbv
 RT: 5.07 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Tgt Ion: 96 Resp: 3556
 Ion Ratio Lower Upper
 96 100
 61 100.7 131.1 196.7#
 98 35.7 47.6 71.4#





#23

Vinyl Acetate

Concen: 0.05 ppbv

RT: 5.28 min Scan# 1305

Delta R.T. 0.01 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2018

Tgt Ion: 43 Resp: 8498

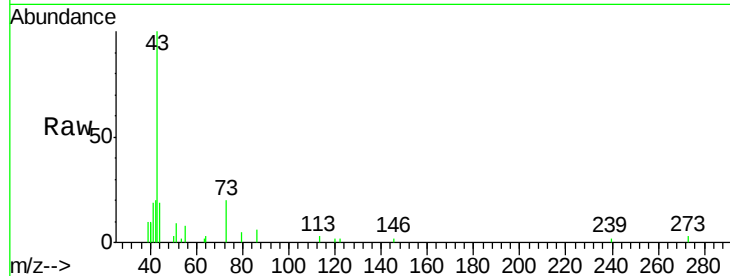
Ion Ratio Lower Upper

43 100

86 5.9 5.8 8.8

42 13.3 8.5 12.7#

44 9.0 4.2 6.4#

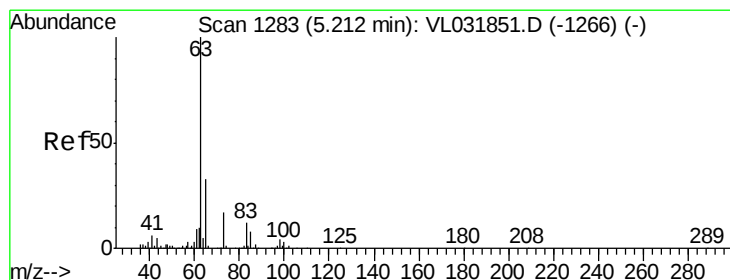
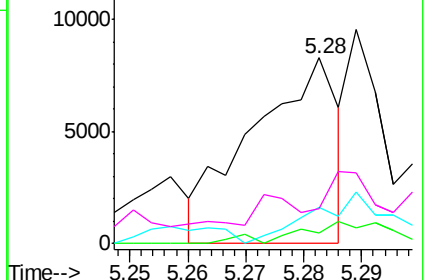
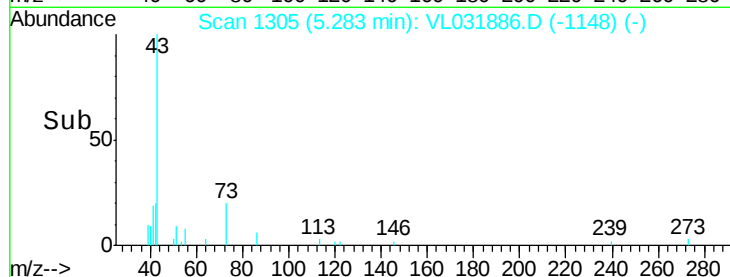


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#24

1,1-Dichloroethane

Concen: 0.11 ppbv

RT: 5.21 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

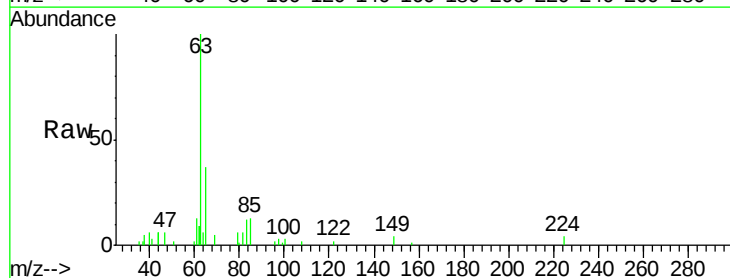
Tgt Ion: 63 Resp: 19229

Ion Ratio Lower Upper

63 100

98 3.2 2.4 7.2

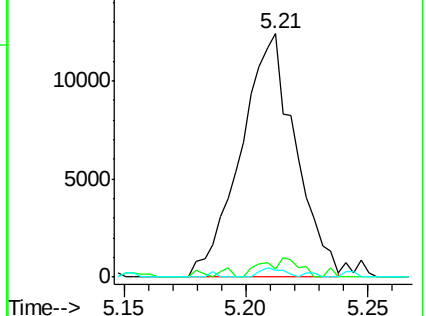
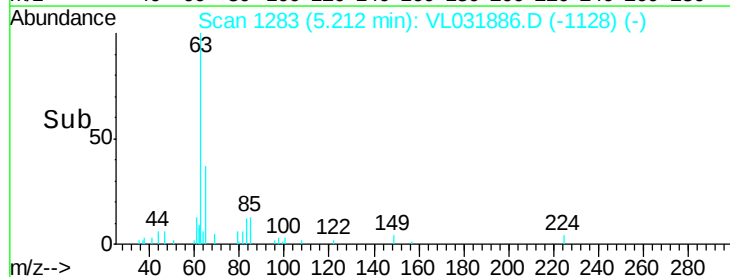
100 2.9 1.5 4.4

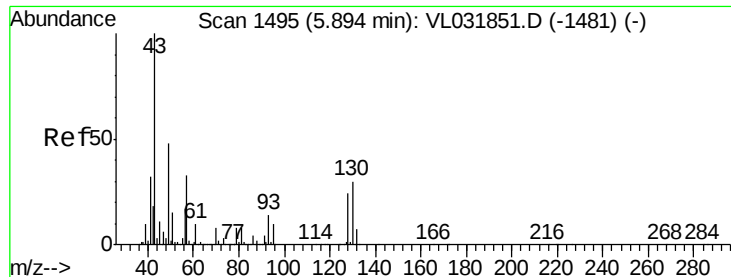


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

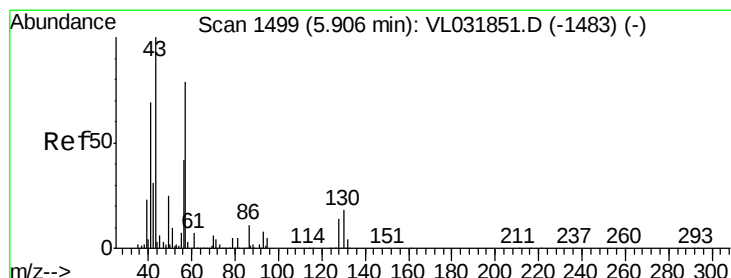
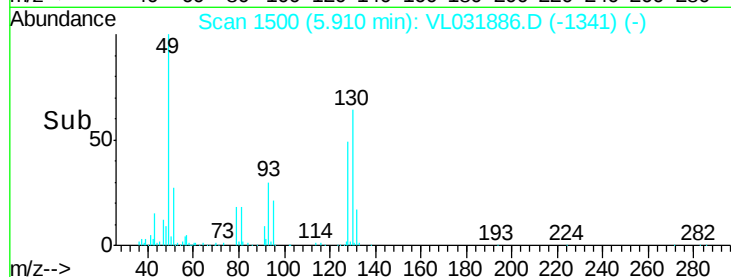
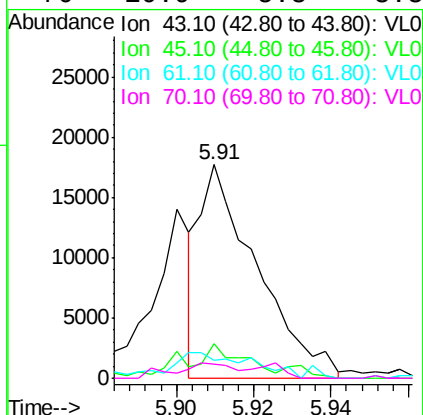
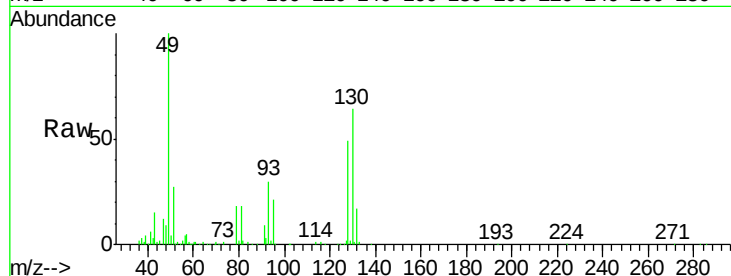




#25
Ethyl Acetate
Concen: 0.07 ppbv
RT: 5.91 min Scan# 1500
Delta R.T. 0.01 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

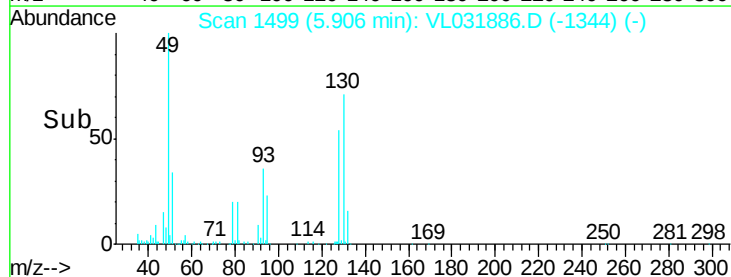
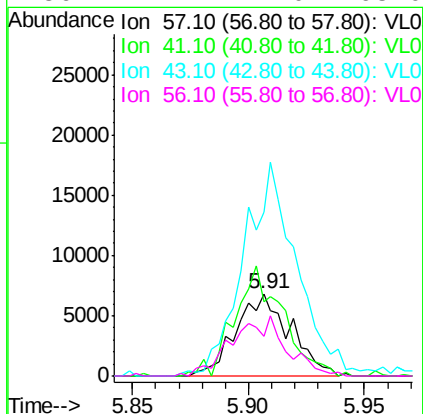
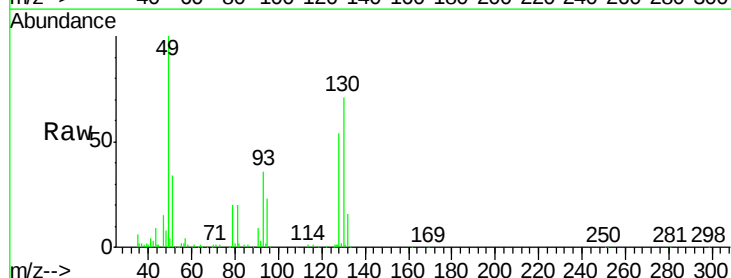
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2018

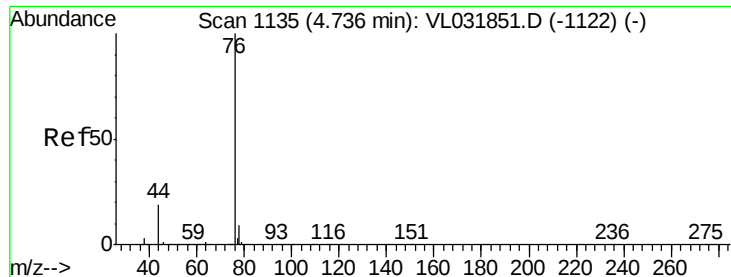
Tgt Ion:	43	Resp:	18172
Ion	Ratio	Lower	Upper
43	100		
45	22.4	7.8	11.8#
61	19.0	7.2	10.8#
70	10.9	5.8	8.8#



#26
Hexane
Concen: 0.09 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Tgt Ion:	57	Resp:	11105
Ion	Ratio	Lower	Upper
57	100		
41	120.3	72.0	108.0#
43	258.1	169.8	254.8#
56	72.7	42.0	63.0#





#27

Carbon Disulfide

Concen: 0.05 ppbv

RT: 4.73 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2018

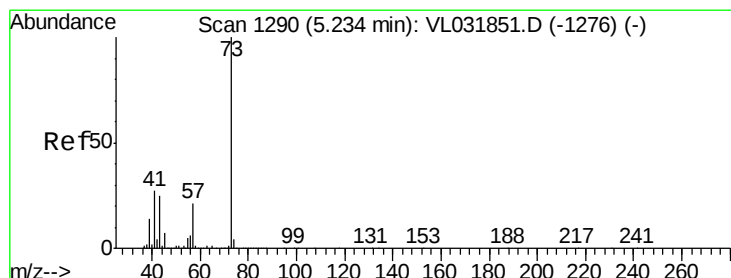
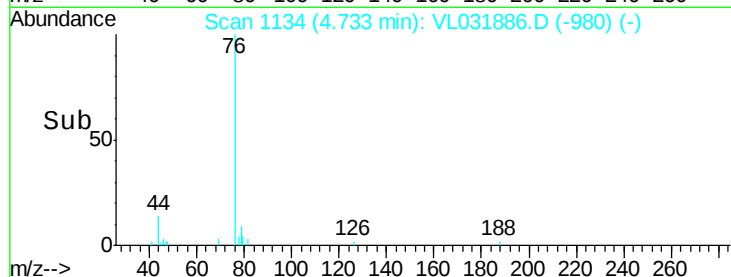
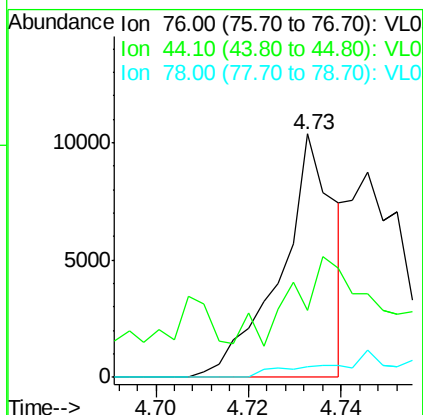
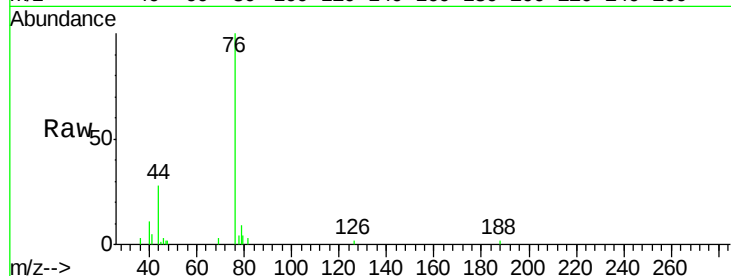
Tgt Ion: 76 Resp: 8317

Ion Ratio Lower Upper

76 100

44 102.3 15.6 23.4#

78 0.0 7.6 11.4#



#28

Methyl tert-Butyl Ether

Concen: 0.05 ppbv

RT: 5.25 min Scan# 1296

Delta R.T. 0.02 min

Lab File: VL031886.D

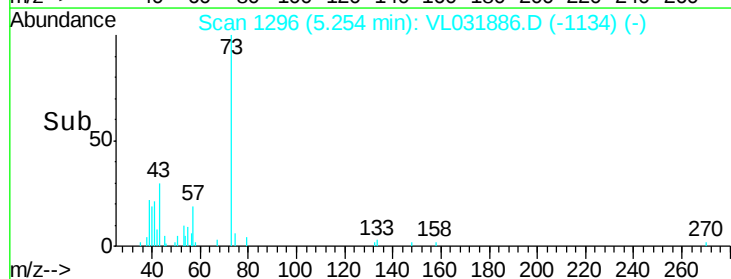
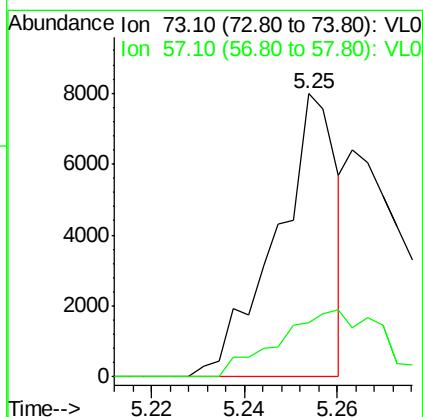
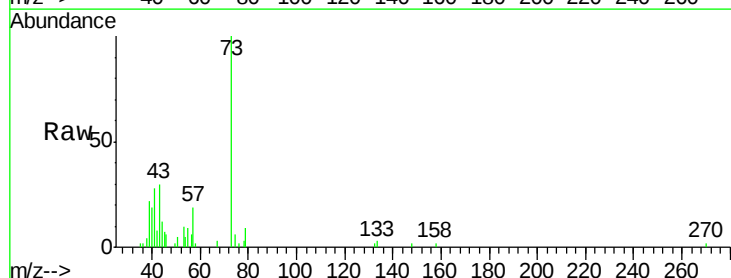
Acq: 19 Apr 2018 20:22

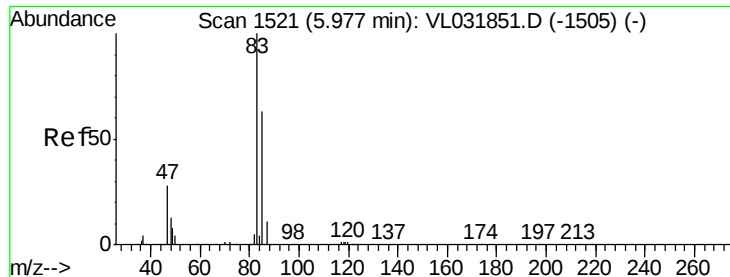
Tgt Ion: 73 Resp: 7239

Ion Ratio Lower Upper

73 100

57 0.0 17.6 26.4#





#29

Chloroform

Concen: 0.11 ppbv

RT: 5.97 min Scan# 1519

Delta R.T. -0.01 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

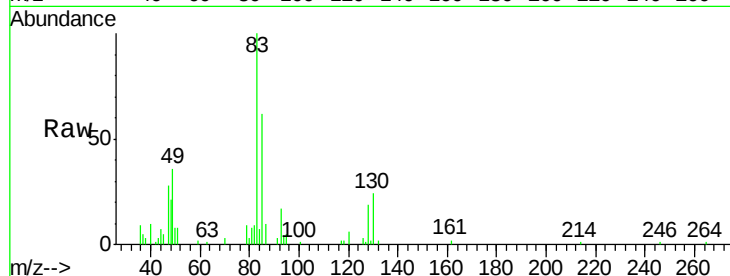
LOD-MDL-AIR-01-QT2-2018

Tgt Ion: 83 Resp: 23076

Ion Ratio Lower Upper

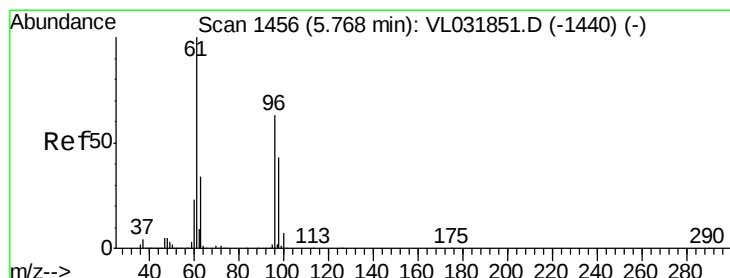
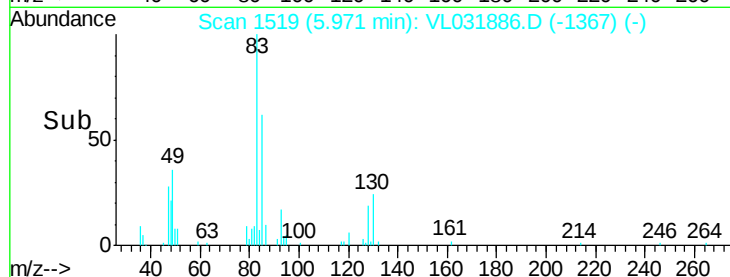
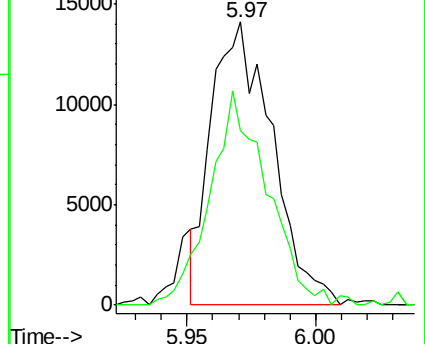
83 100

85 58.1 51.4 77.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#31

cis-1,2-Dichloroethene

Concen: 0.04 ppbv

RT: 5.76 min Scan# 1453

Delta R.T. -0.01 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

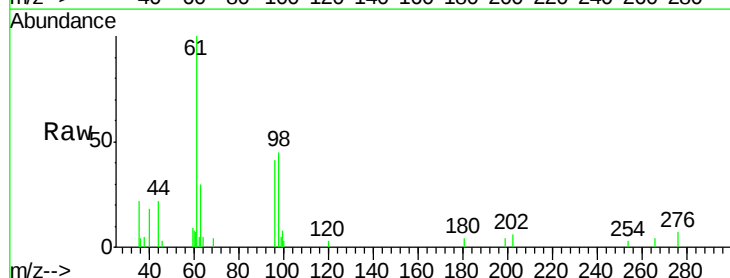
Tgt Ion: 61 Resp: 4278

Ion Ratio Lower Upper

61 100

96 36.5 47.6 71.4#

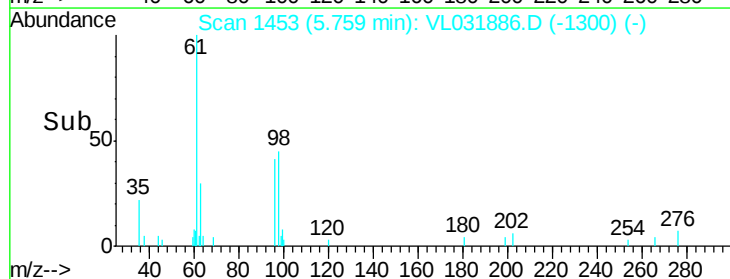
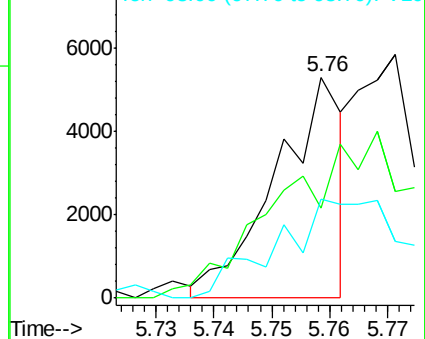
98 47.4 30.3 45.5#

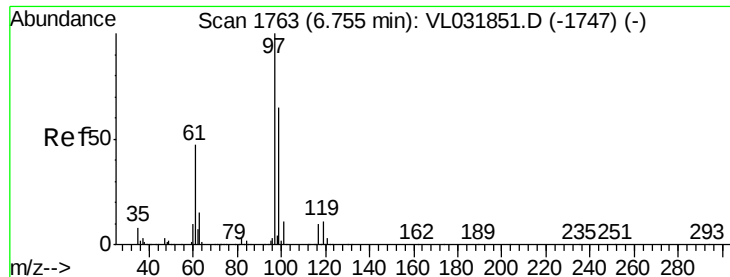


Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0





#32

1,1,1-Trichloroethane

Concen: 0.05 ppbv

RT: 6.74 min Scan# 1759

Delta R.T. -0.01 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2018

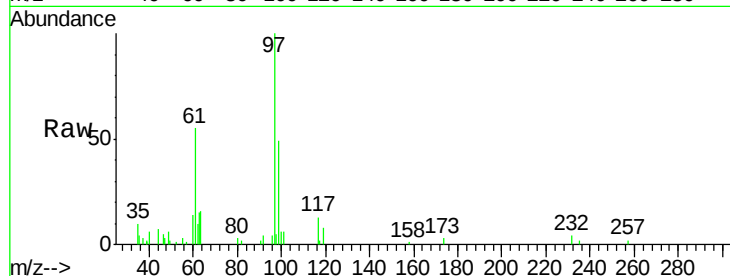
Tgt Ion: 97 Resp: 10337

Ion Ratio Lower Upper

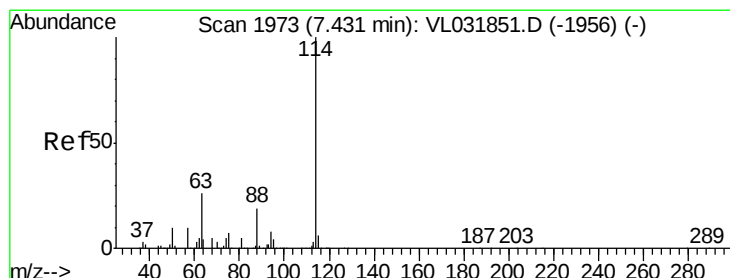
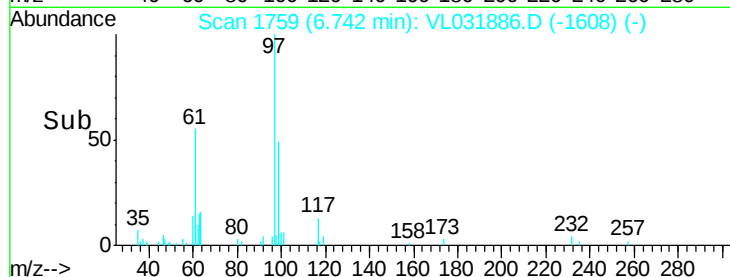
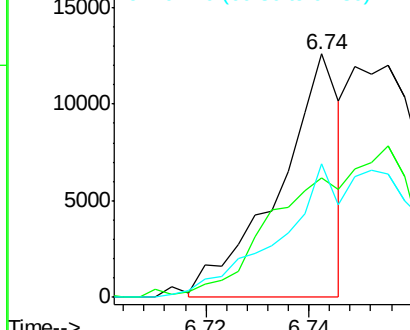
97 100

99 0.0 51.5 77.3#

61 125.7 40.0 60.0#



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.42 min Scan# 1971

Delta R.T. -0.01 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

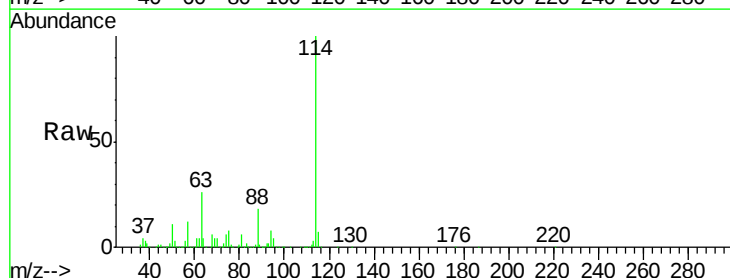
Tgt Ion: 114 Resp: 2598398

Ion Ratio Lower Upper

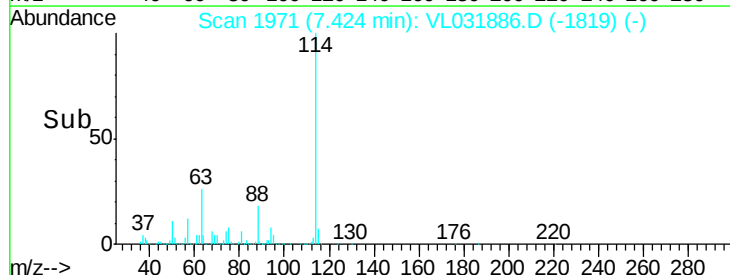
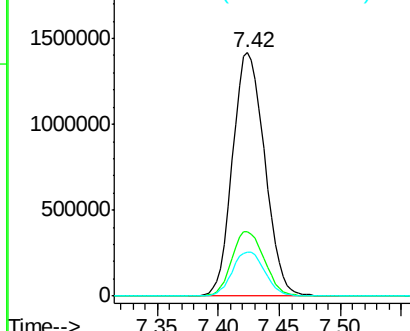
114 100

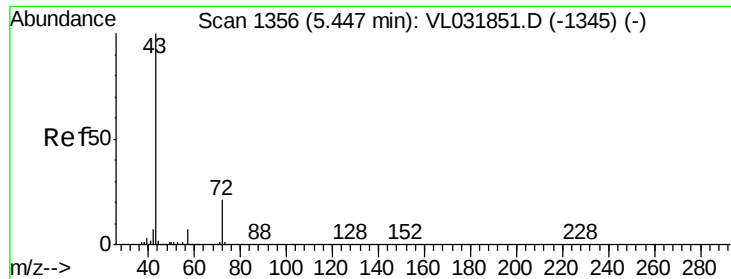
63 27.0 21.8 32.6

88 18.4 14.6 22.0



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

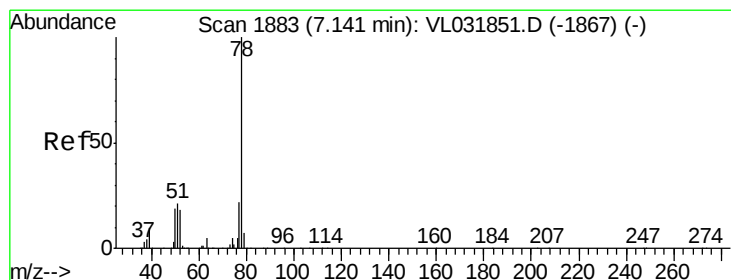
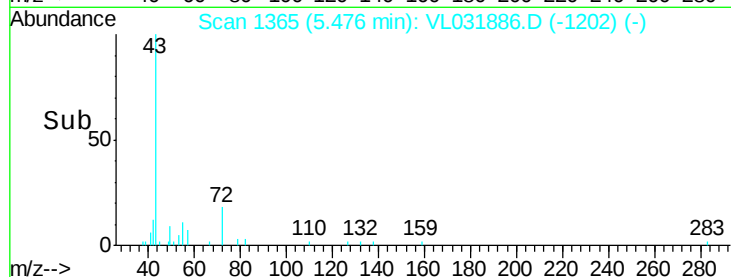
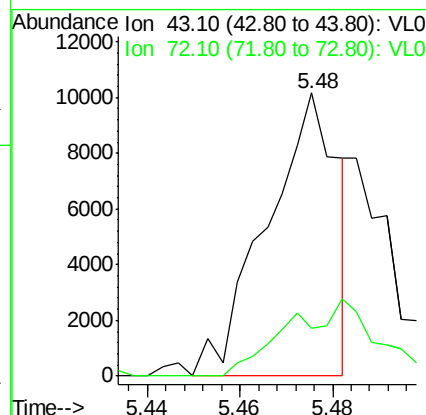
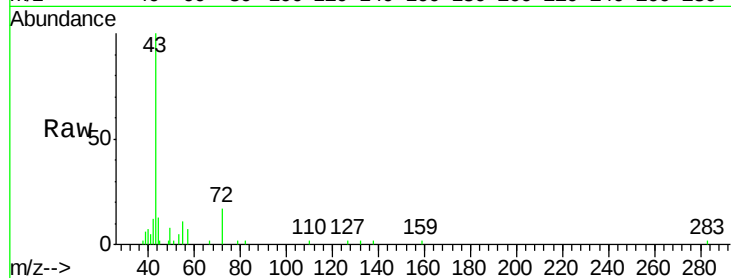




#34
2-Butanone
Concen: 0.06 ppbv
RT: 5.48 min Scan# 1365
Delta R.T. 0.03 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

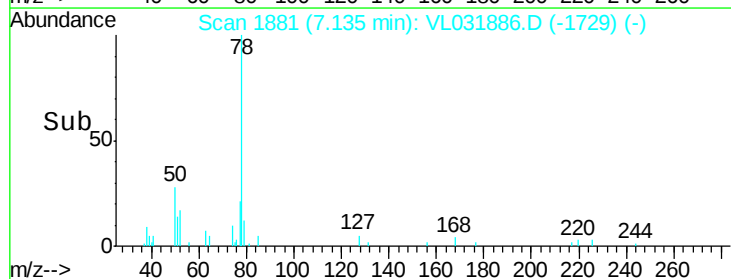
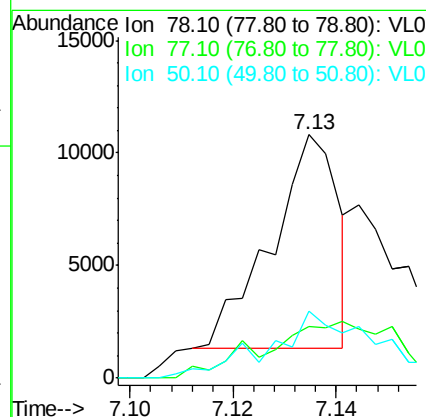
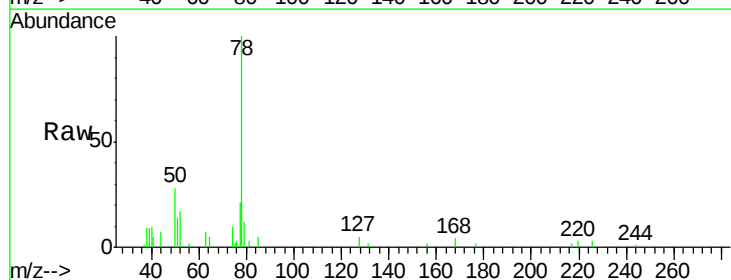
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2018

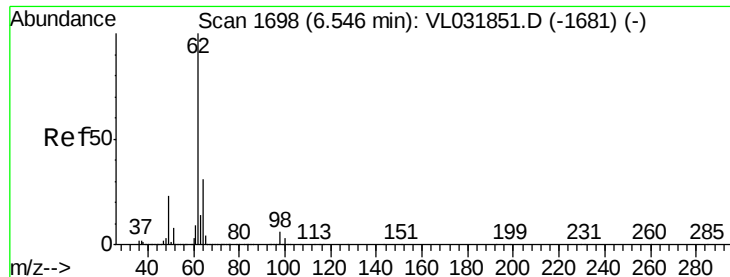
Tgt Ion: 43 Resp: 10816
Ion Ratio Lower Upper
43 100
72 37.7 18.6 27.8#



#36
Benzene
Concen: 0.04 ppbv
RT: 7.13 min Scan# 1881
Delta R.T. -0.01 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Tgt Ion: 78 Resp: 8591
Ion Ratio Lower Upper
78 100
77 19.1 19.2 28.8#
50 27.3 16.7 25.1#

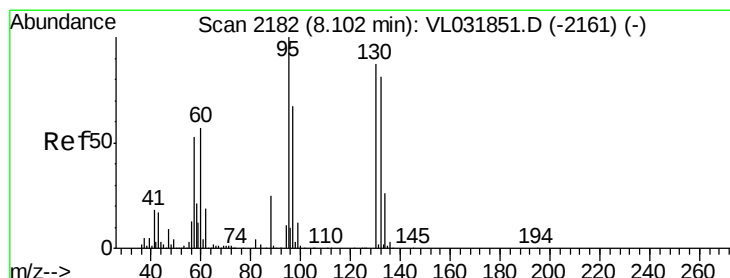
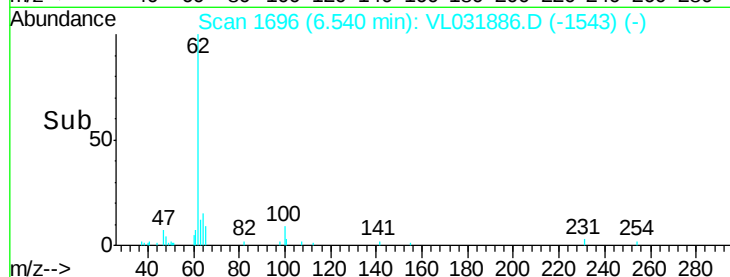
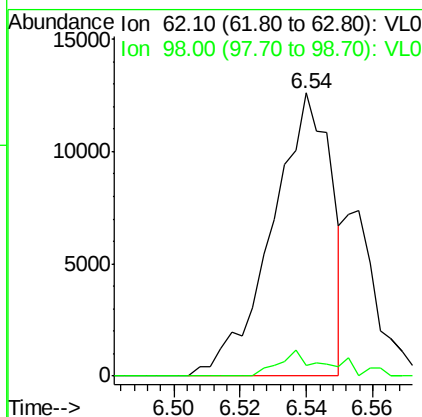
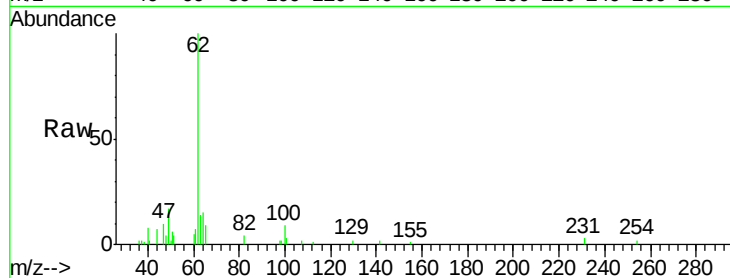




#37
 1,2-Dichloroethane
 Concen: 0.09 ppbv
 RT: 6.54 min Scan# 1696
 Delta R.T. -0.01 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

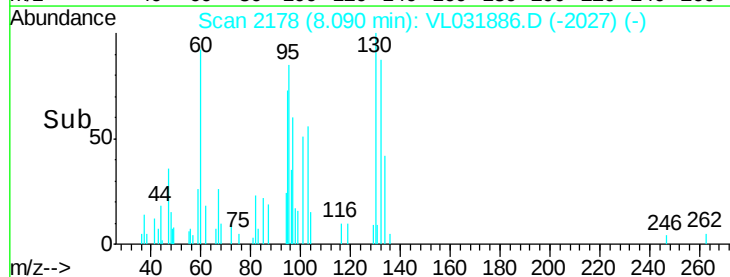
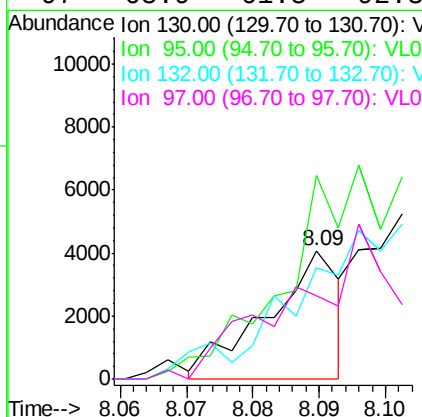
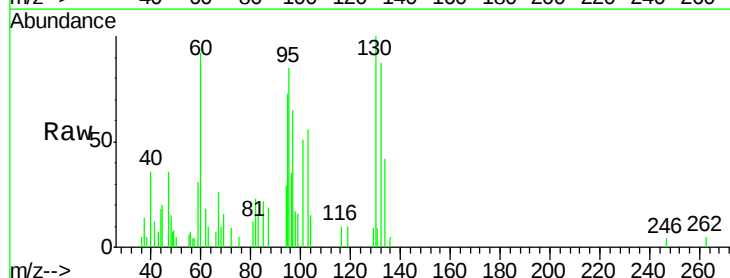
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

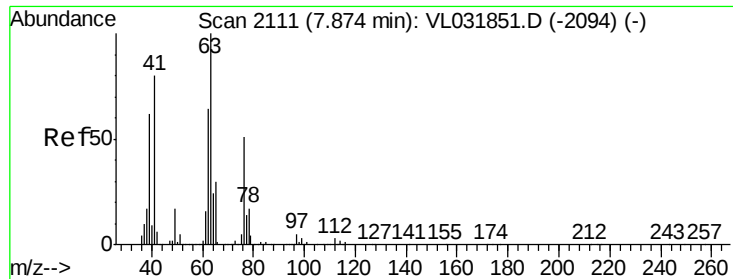
Tgt Ion: 62 Resp: 15769
 Ion Ratio Lower Upper
 62 100
 98 7.6 4.0 6.0#



#38
 Trichloroethene
 Concen: 0.03 ppbv
 RT: 8.09 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Tgt Ion: 130 Resp: 3098
 Ion Ratio Lower Upper
 130 100
 95 151.0 96.6 144.8#
 132 70.2 79.1 118.7#
 97 68.9 61.5 92.3

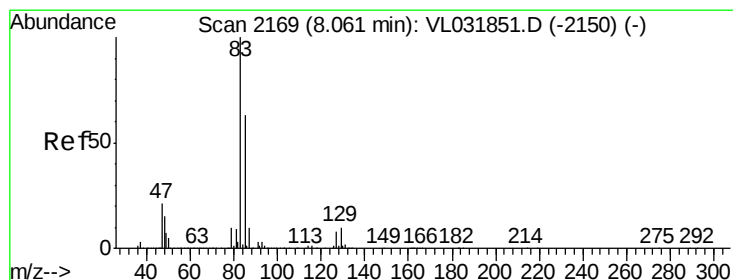
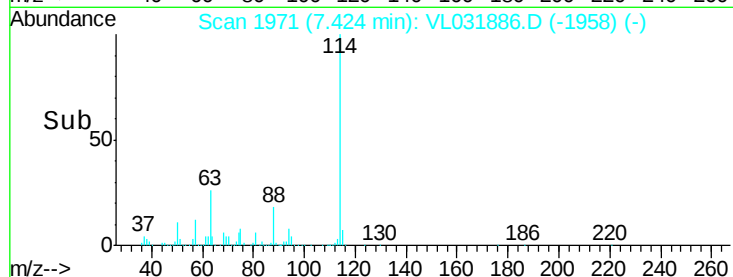
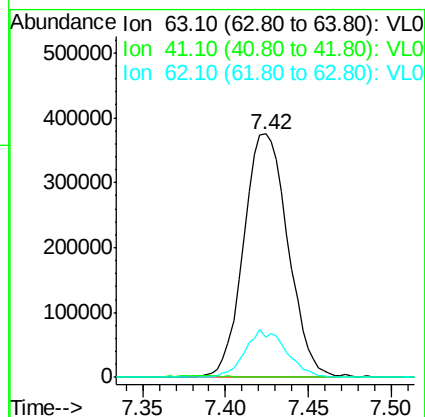
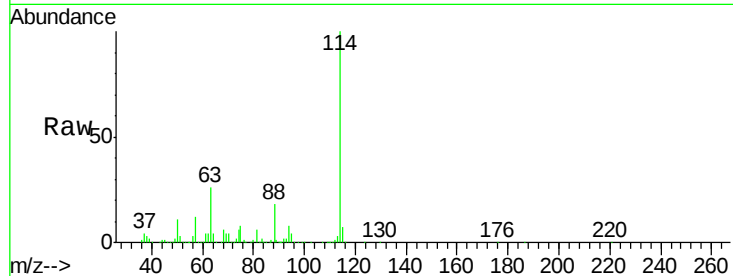




#39
 1,2-Dichloropropane
 Concen: 8.00 ppbv
 RT: 7.42 min Scan# 1971
 Delta R.T. -0.46 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

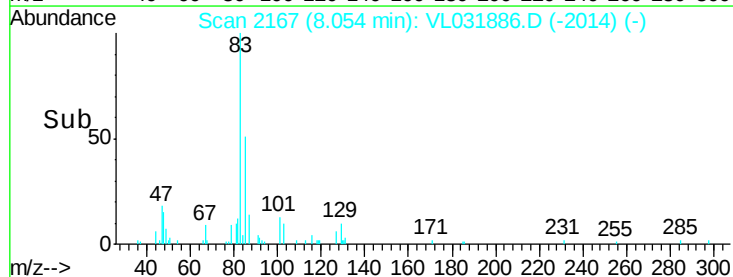
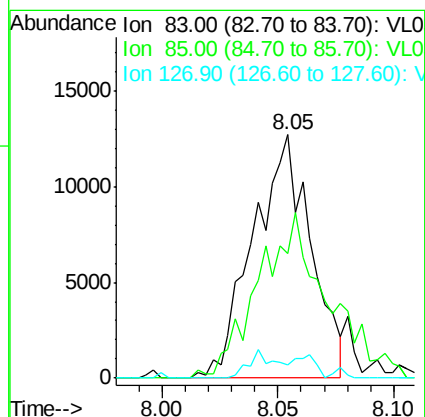
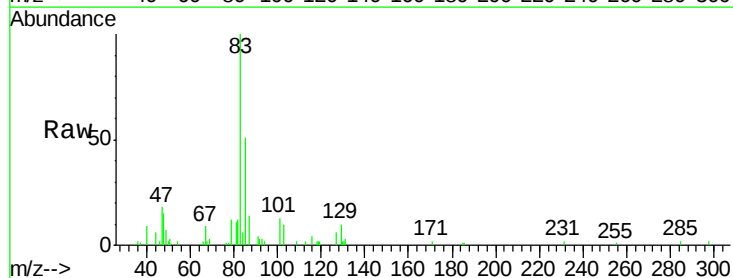
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

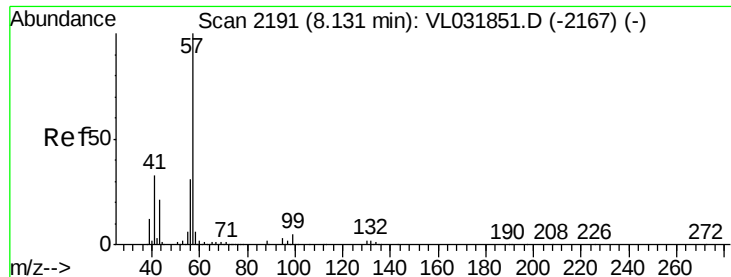
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	65.8	98.6#
62	16.4	55.0	82.6#



#42
 Bromodichloromethane
 Concen: 0.11 ppbv
 RT: 8.05 min Scan# 2167
 Delta R.T. -0.01 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	51.1	50.5	75.7
127	5.7	6.0	9.0#

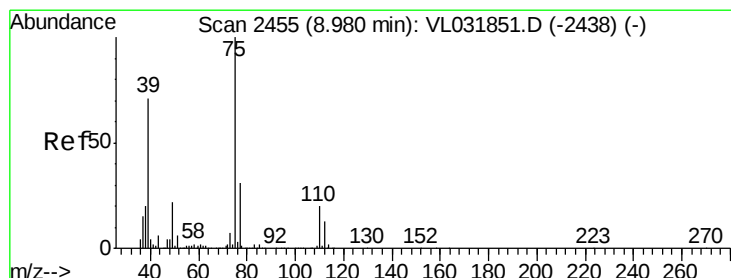
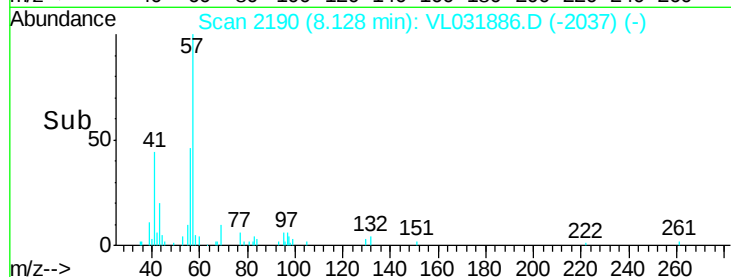
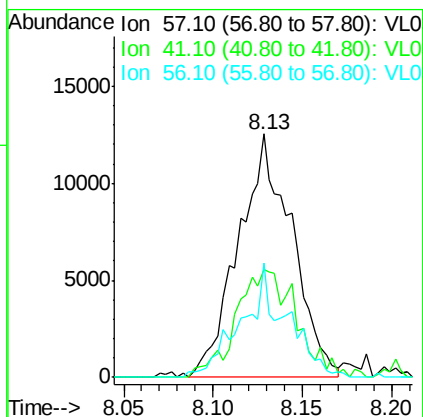
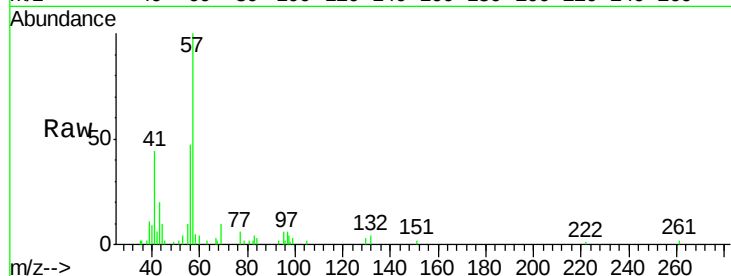




#44
 2,2,4-Trimethylpentane
 Concen: 0.07 ppbv
 RT: 8.13 min Scan# 2190
 Delta R.T. -0.01 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

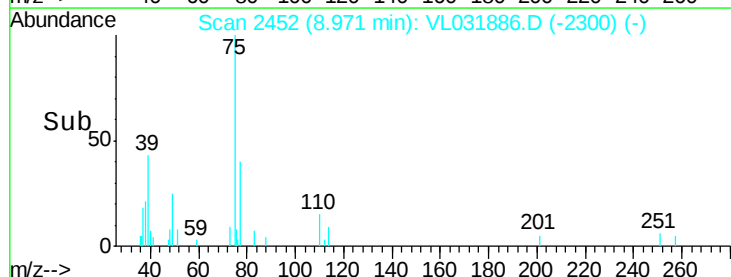
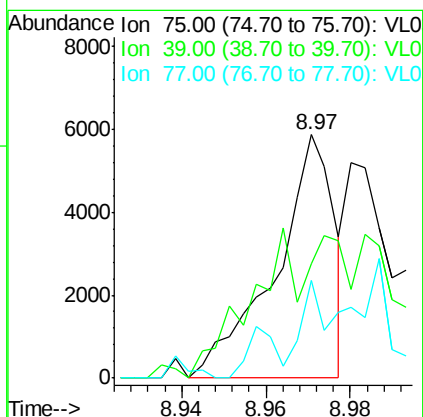
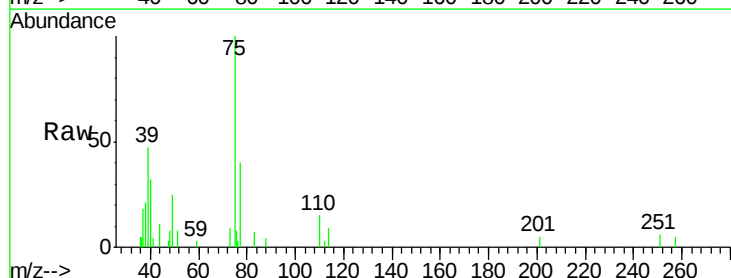
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

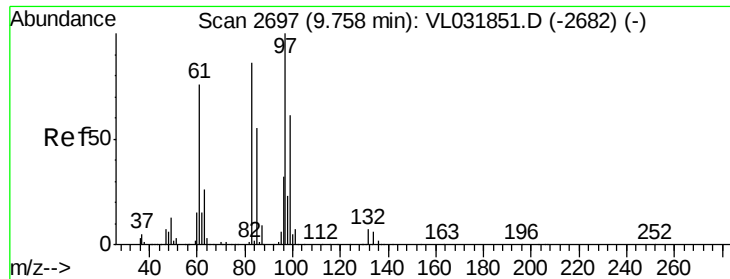
Tgt Ion: 57 Resp: 26223
 Ion Ratio Lower Upper
 57 100
 41 50.5 27.0 40.6#
 56 39.0 24.1 36.1#



#46
 cis-1,3-Dichloropropene
 Concen: 0.04 ppbv
 RT: 8.97 min Scan# 2452
 Delta R.T. -0.01 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Tgt Ion: 75 Resp: 5647
 Ion Ratio Lower Upper
 75 100
 39 43.6 58.6 87.8#
 77 34.5 26.8 40.2





#47

1,1,2-Trichloroethane

Concen: 0.05 ppbv

RT: 9.75 min Scan# 2695

Delta R.T. -0.01 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

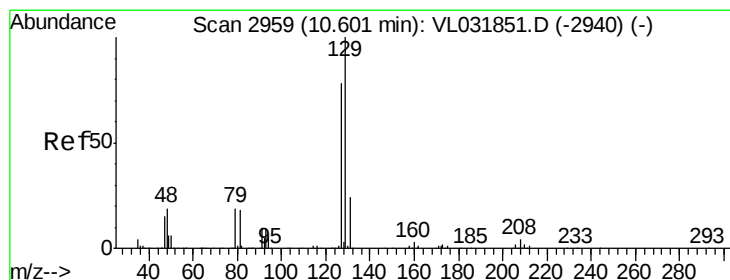
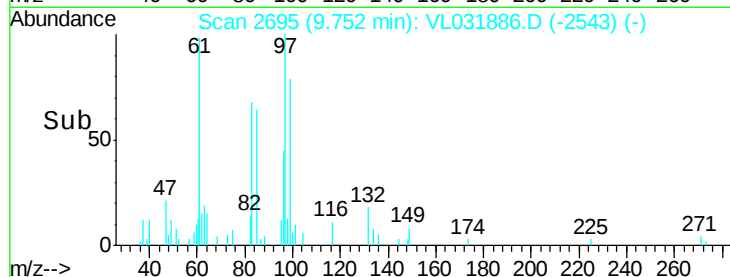
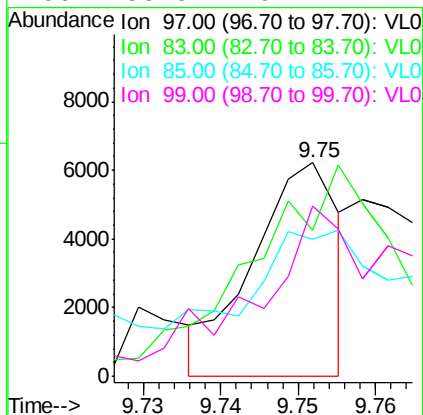
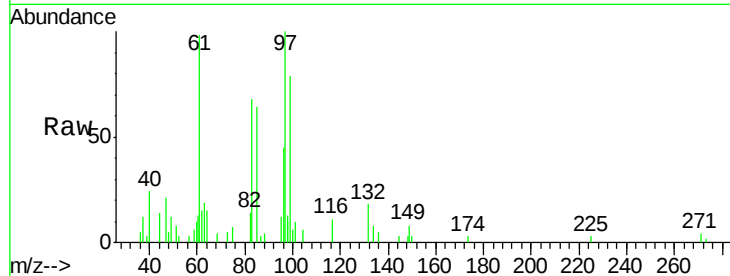
Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2018

Tgt Ion:	97	Resp:	4803
Ion	Ratio	Lower	Upper
97	100		
83	52.4	69.1	103.7#
85	38.3	43.7	65.5#
99	55.9	49.4	74.2



#48

Dibromochloromethane

Concen: 0.04 ppbv

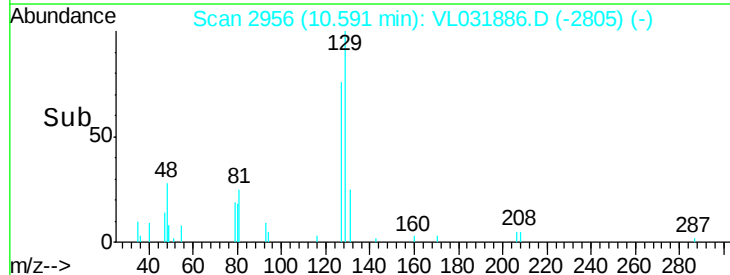
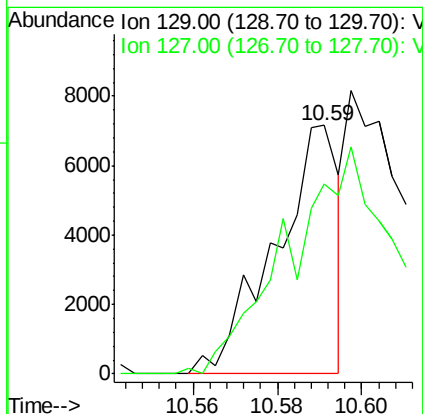
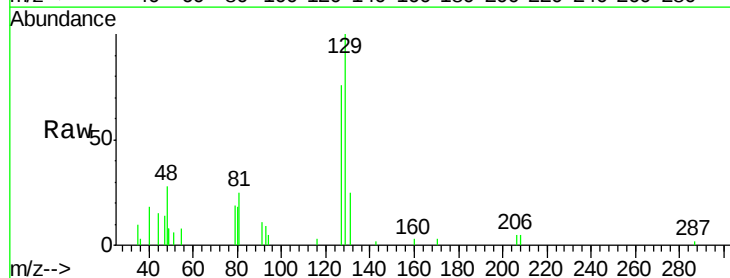
RT: 10.59 min Scan# 2956

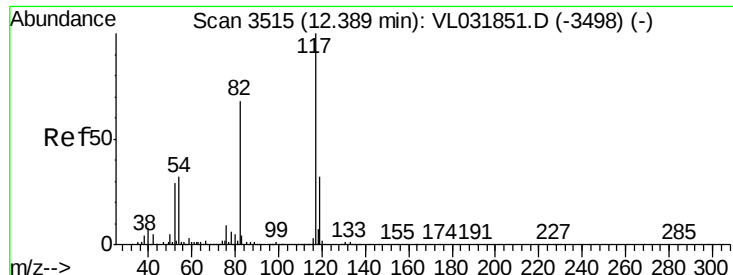
Delta R.T. -0.01 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Tgt Ion:	129	Resp:	7481
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.1	117.5#

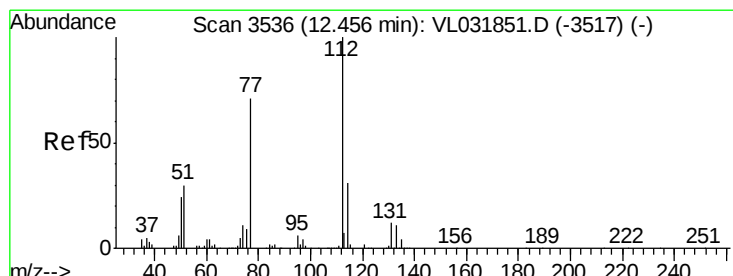
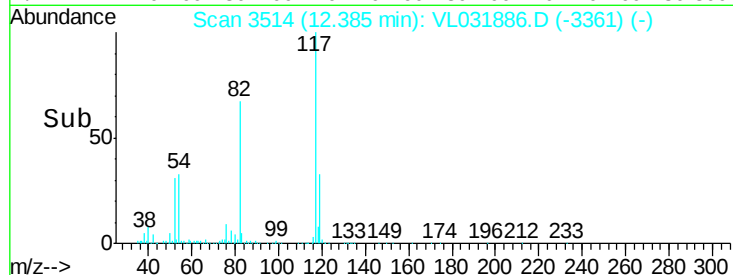
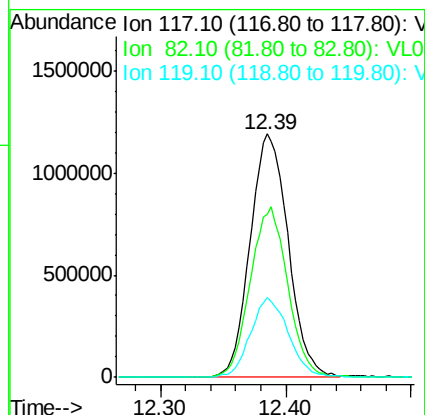
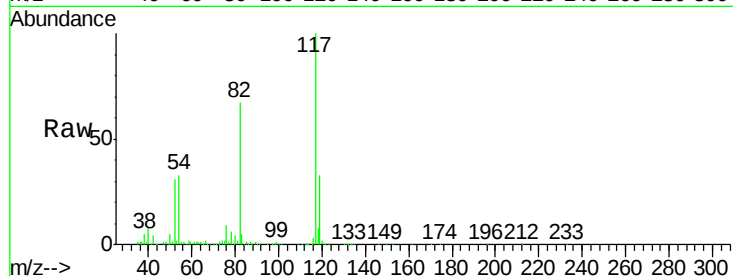




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3514
Delta R.T. -0.01 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

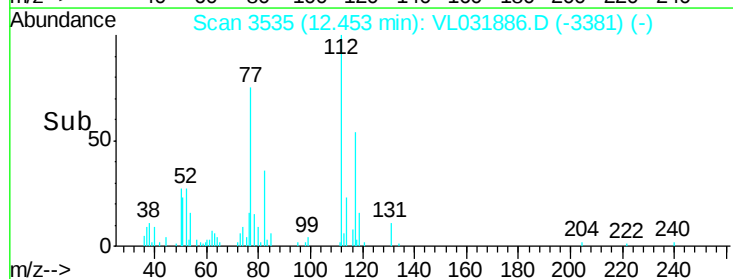
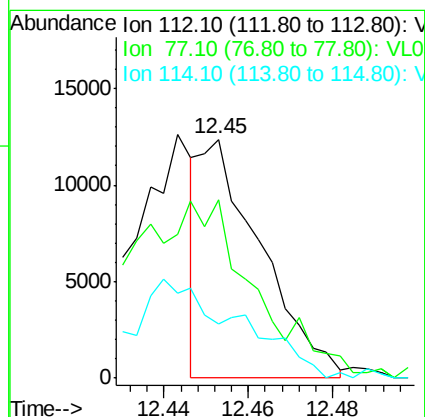
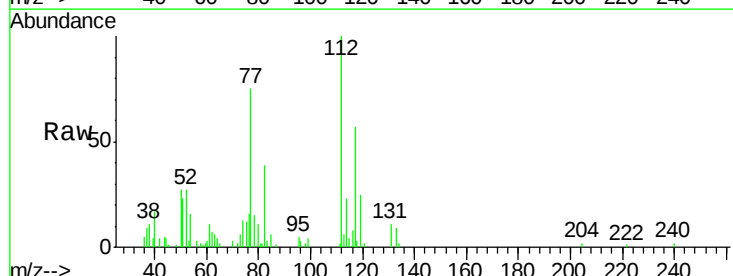
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2018

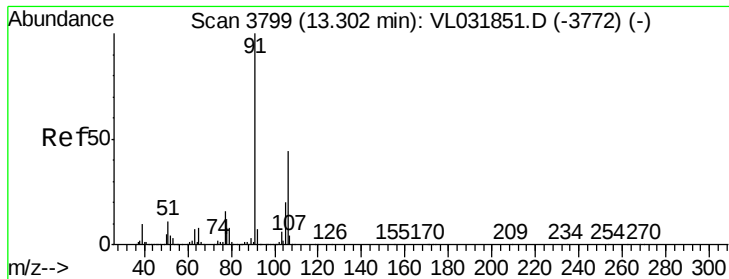
Tgt Ion:117 Resp: 2514845
Ion Ratio Lower Upper
117 100
82 69.1 54.6 81.8
119 32.8 26.0 39.0



#57
Chlorobenzene
Concen: 0.06 ppbv
RT: 12.45 min Scan# 3535
Delta R.T. -0.00 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Tgt Ion:112 Resp: 12393
Ion Ratio Lower Upper
112 100
77 67.8 57.0 85.6
114 21.0 28.5 34.9#

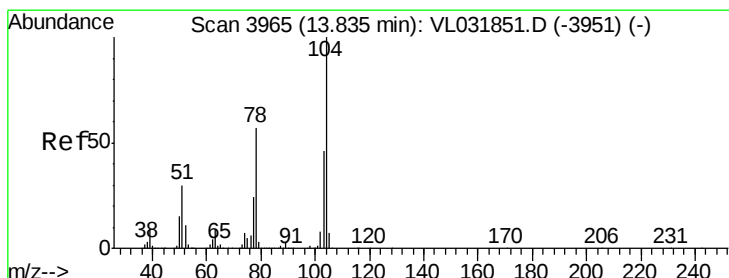
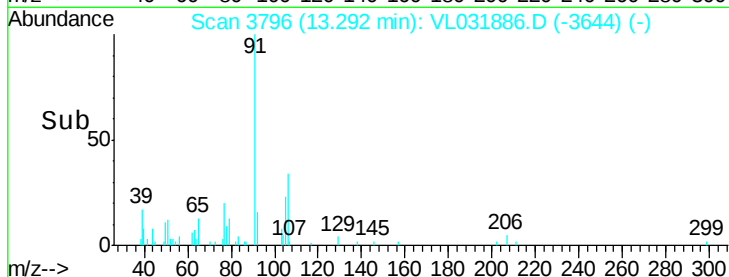
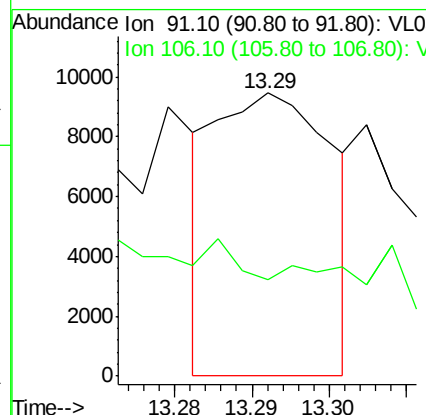
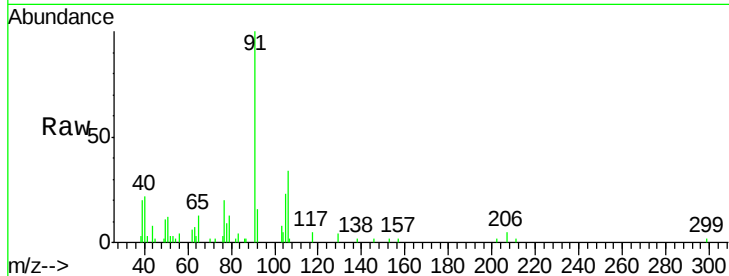




#59
m/p-Xylene
Concen: 0.03 ppbv
RT: 13.29 min Scan# 3796
Delta R.T. -0.01 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

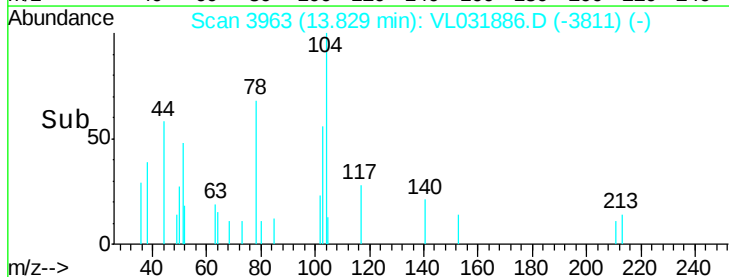
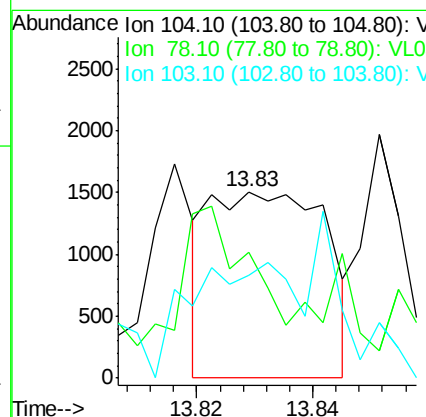
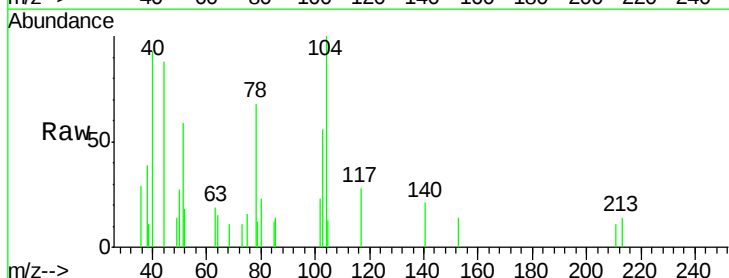
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2018

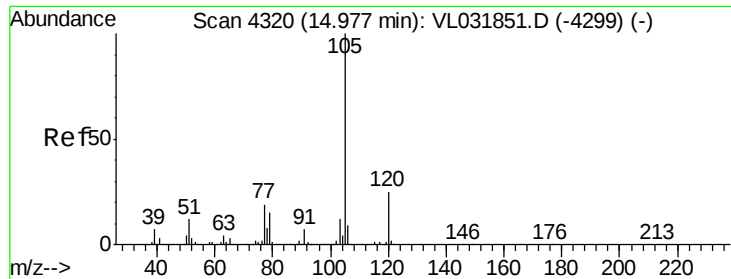
Tgt Ion: 91 Resp: 9929
Ion Ratio Lower Upper
91 100
106 0.0 35.5 53.3#



#61
Styrene
Concen: 0.04 ppbv
RT: 13.83 min Scan# 3963
Delta R.T. -0.01 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Tgt Ion: 104 Resp: 2088
Ion Ratio Lower Upper
104 100
78 113.4 44.4 66.6#
103 0.0 37.9 56.9#





#62

Isopropylbenzene

Concen: 0.07 ppbv

RT: 14.97 min Scan# 4319

Delta R.T. -0.01 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

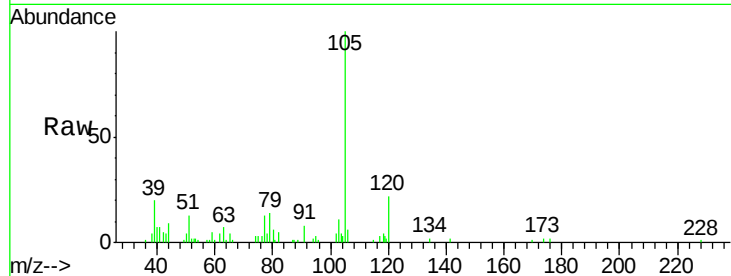
LOD-MDL-AIR-01-QT2-2018

Tgt Ion: 105 Resp: 29112

Ion Ratio Lower Upper

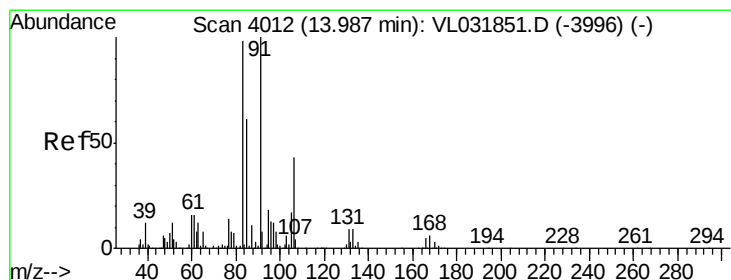
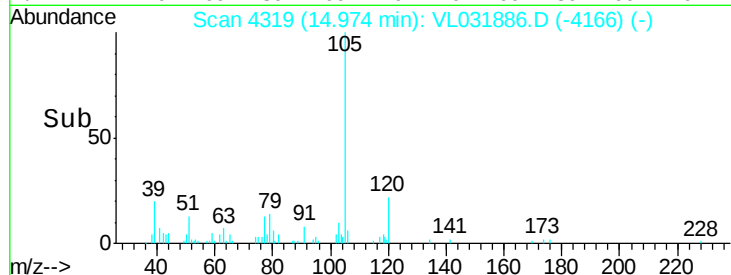
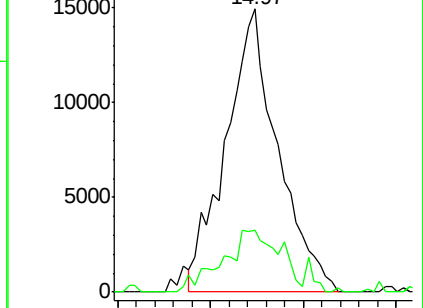
105 100

120 26.2 19.4 29.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#63

1,1,2,2-Tetrachloroethane

Concen: 0.03 ppbv

RT: 13.99 min Scan# 4012

Delta R.T. -0.00 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

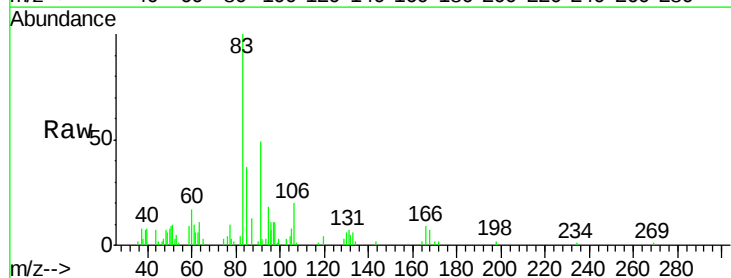
Tgt Ion: 83 Resp: 7888

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.6#

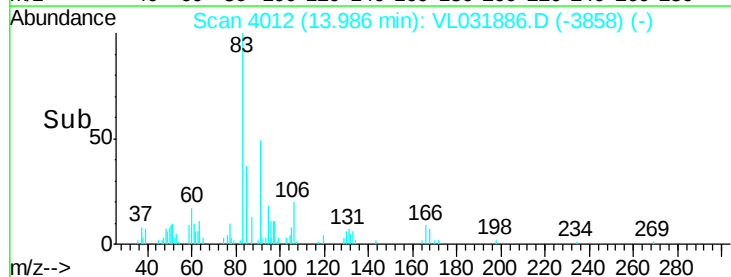
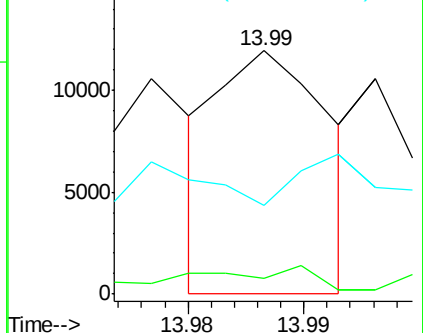
85 0.0 32.2 96.6#

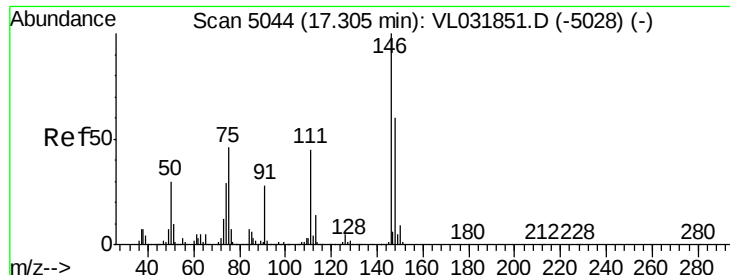


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

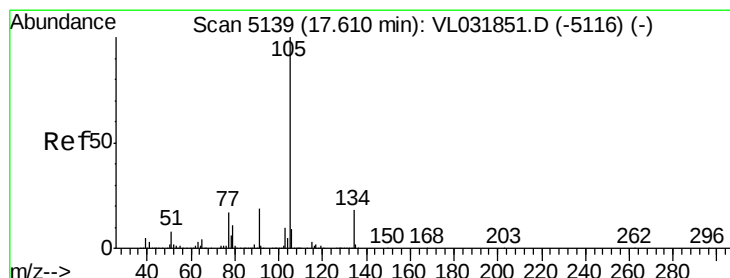
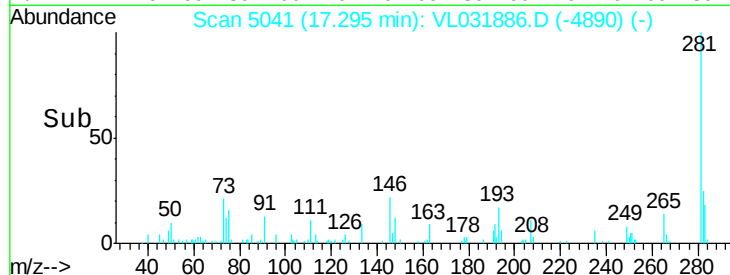
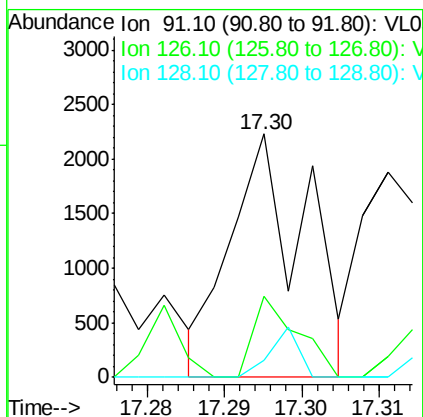
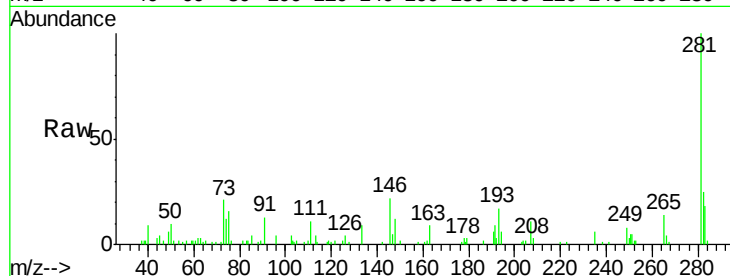




#66
Benzyl Chloride
Concen: 0.05 ppbv
RT: 17.30 min Scan# 5041
Delta R.T. -0.01 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

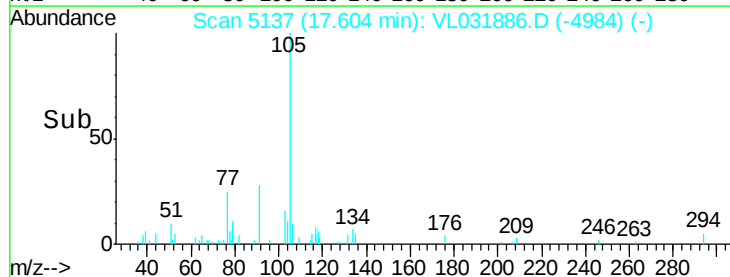
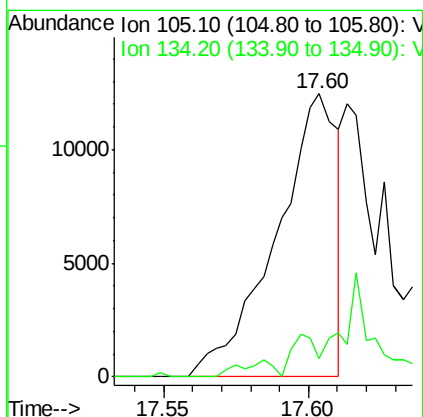
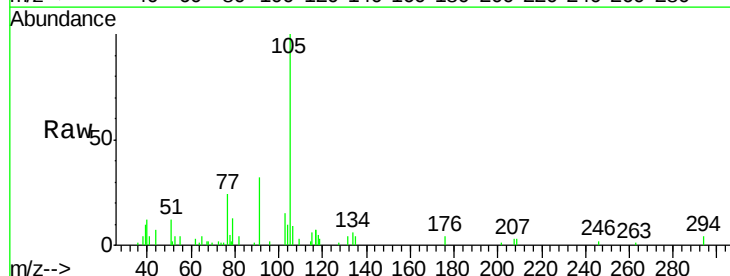
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2018

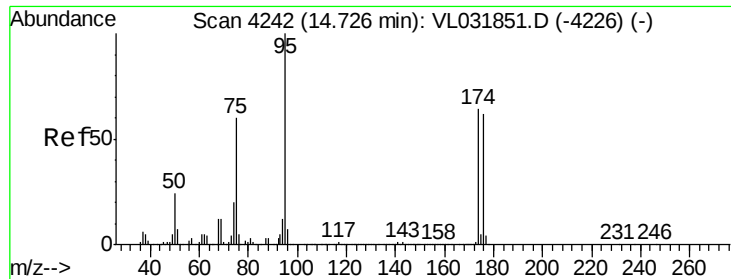
Tgt Ion: 91 Resp: 1501
Ion Ratio Lower Upper
91 100
126 0.0 12.6 19.0#
128 0.0 4.0 6.0#



#67
sec-Butylbenzene
Concen: 0.04 ppbv
RT: 17.60 min Scan# 5137
Delta R.T. -0.01 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Tgt Ion:105 Resp: 18280
Ion Ratio Lower Upper
105 100
134 0.0 14.2 21.2#

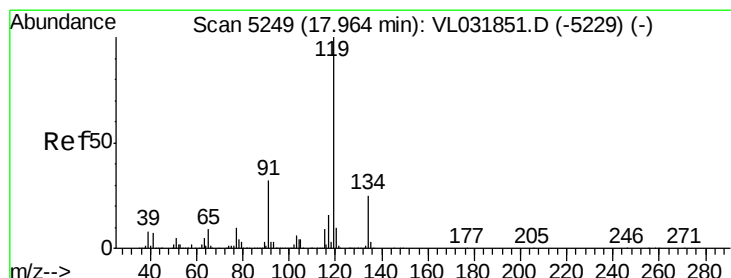
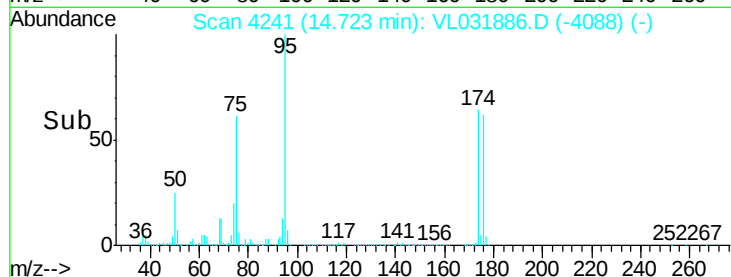
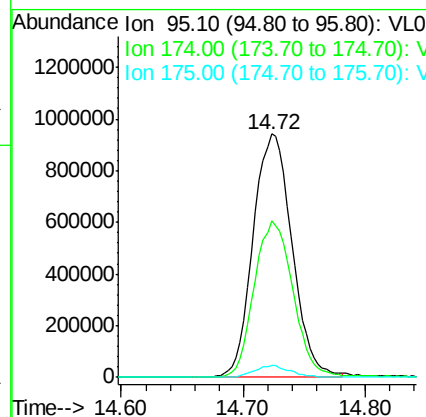
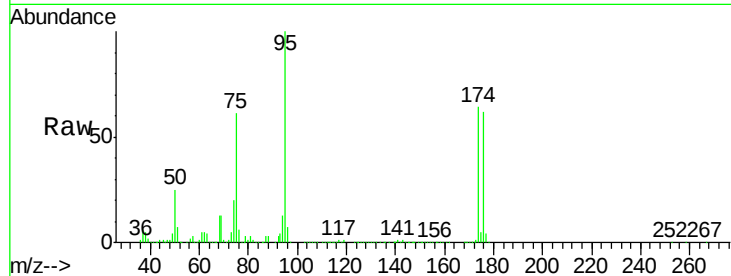




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.26 ppbv
 RT: 14.72 min Scan# 4241
 Delta R.T. -0.01 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

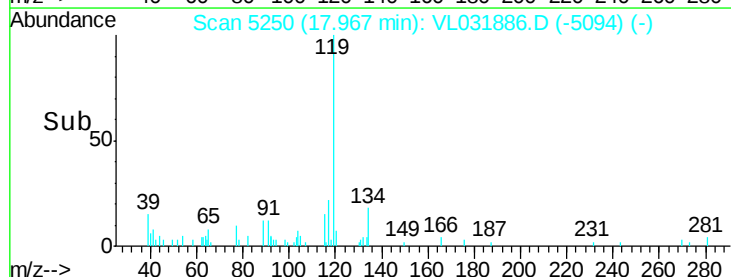
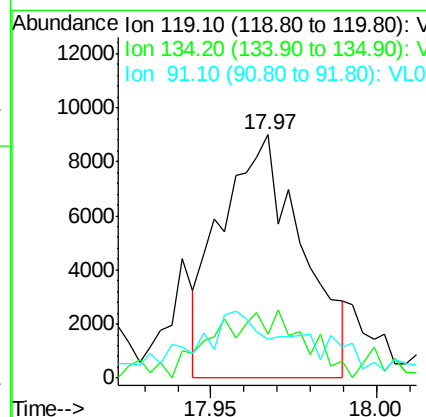
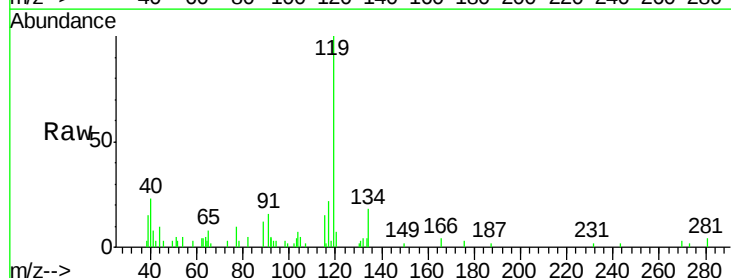
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

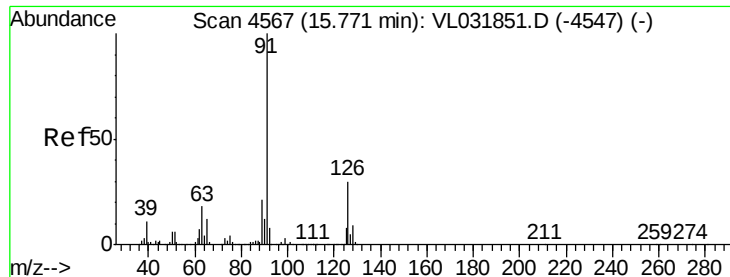
Tgt Ion: 95 Resp: 2075548
 Ion Ratio Lower Upper
 95 100
 174 65.1 52.3 78.5
 175 4.7 3.9 5.9



#69
 p-Isopropyltoluene
 Concen: 0.04 ppbv
 RT: 17.97 min Scan# 5250
 Delta R.T. 0.00 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Tgt Ion: 119 Resp: 15258
 Ion Ratio Lower Upper
 119 100
 134 37.3 20.0 30.0#
 91 43.0 24.9 37.3#





#71

2-Chlorotoluene

Concen: 0.05 ppbv

RT: 15.77 min Scan# 4567

Delta R.T. 0.00 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

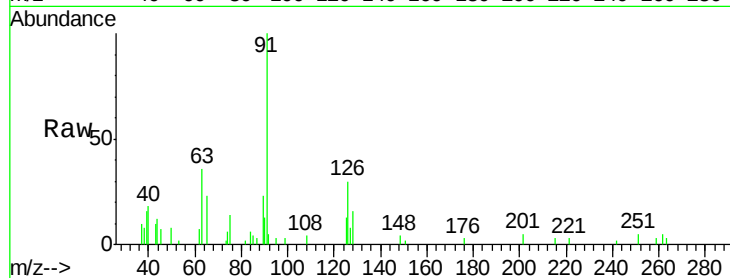
LOD-MDL-AIR-01-QT2-2018

Tgt Ion: 91 Resp: 14996

Ion Ratio Lower Upper

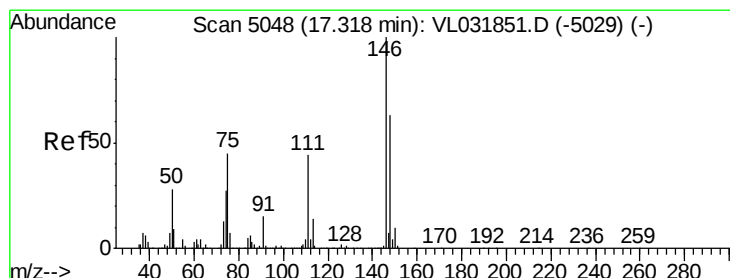
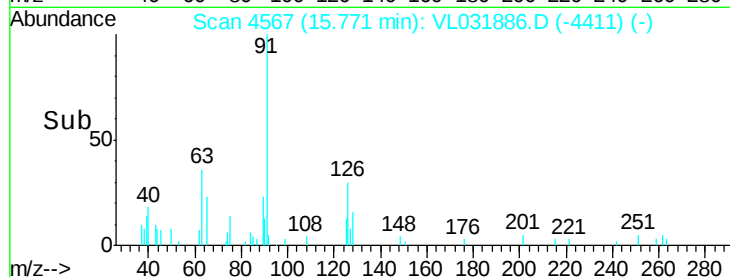
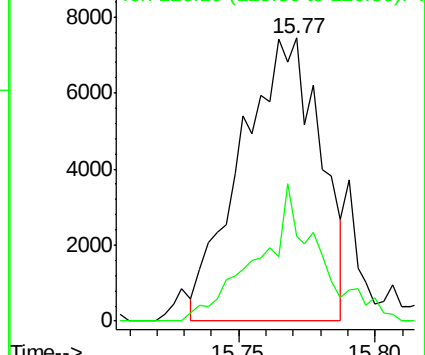
91 100

126 37.2 11.6 46.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#75

1,3-Dichlorobenzene

Concen: 0.05 ppbv

RT: 17.32 min Scan# 5049

Delta R.T. 0.00 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

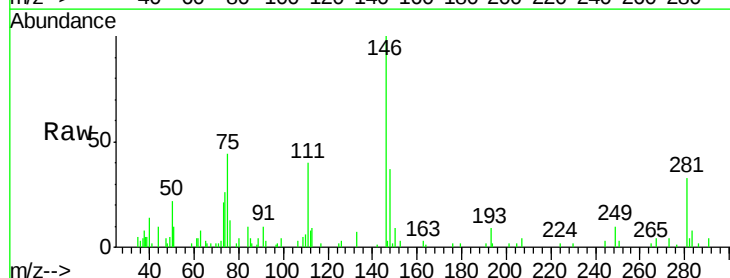
Tgt Ion: 146 Resp: 10269

Ion Ratio Lower Upper

146 100

111 122.4 23.8 71.4#

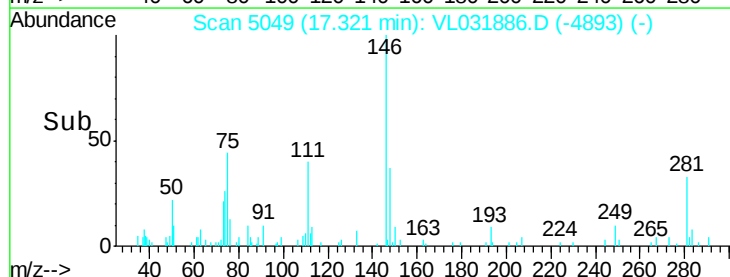
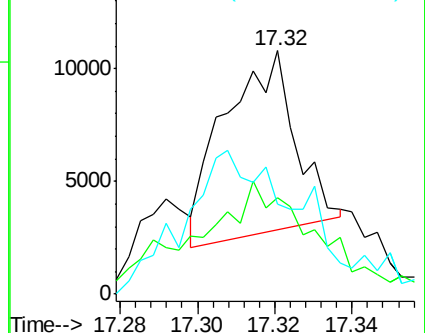
148 145.5 32.0 96.2#

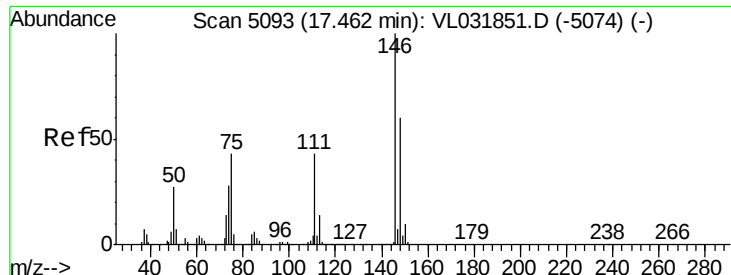


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#76

1,4-Dichlorobenzene

Concen: 0.04 ppbv

RT: 17.45 min Scan# 5089

Delta R.T. -0.01 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2018

Tgt Ion:146 Resp: 7147

Ion Ratio Lower Upper

146 100

111 0.0 22.9 68.7#

148 0.0 32.0 96.0#

