

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102418\
 Data File : VL032692.D
 Acq On : 24 Oct 2018 18:03
 Operator : SY/AP
 Sample : J5164-13 0.1 LOD
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2018

Quant Time: Oct 25 05:25:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 25 05:15:43 2018
 QLast Update : Thu Oct 25 05:15:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1473434	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3530022	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3489436	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2607104	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.09	85	24663	0.164	ppbv 89
3) Chlorodifluoromethane	3.03	51	13869	0.120	ppbv # 91
4) Chloromethane	3.18	50	4821	0.075	ppbv # 88
5) Vinyl Chloride	3.31	62	7687	0.110	ppbv # 70
6) Bromomethane	3.53	94	4754	0.109	ppbv # 54
7) Chloroethane	3.61	64	1642	0.064	ppbv # 59
8) Dichlorotetrafluoroethane	3.23	85	19733	0.125	ppbv 94
9) Propene	3.05	41	2769	0.058	ppbv # 15
10) Heptane	8.26	43	8794	0.048	ppbv # 58
11) Trichlorofluoromethane	4.02	101	21459	0.109	ppbv # 82
12) 1,1,2-Trichlorotrifluoroet	4.57	101	17516	0.107	ppbv 90
13) Ethanol	3.67	45	147	0.011	ppbv # 36
14) Bromoethene	3.80	108	2057	0.037	ppbv # 1
15) Acetone	3.94	43	28776	0.211	ppbv 95
16) 1,3-Butadiene	3.37	39	1579	0.032	ppbv # 1
17) tert-Butyl alcohol	4.36	59	383	0.010	ppbv # 100
18) 1,1-Dichloroethene	4.36	96	8436	0.118	ppbv # 52
19) Isopropyl Alcohol	4.07	45	3877	0.040	ppbv # 93
20) Methylene Chloride	4.42	84	9013	0.131	ppbv 93
21) Allyl Chloride	4.49	41	10752	0.096	ppbv # 70
22) trans-1,2-Dichloroethene	4.97	96	3254	0.044	ppbv # 77
23) Vinyl Acetate	5.17	43	12166	0.050	ppbv # 93
24) 1,1-Dichloroethane	5.10	63	20221	0.107	ppbv # 88
25) Ethyl Acetate	5.76	43	392	0.001	ppbv # 75
26) Hexane	5.80	57	13744	0.093	ppbv # 76
27) Carbon Disulfide	4.63	76	9189	0.051	ppbv # 46
28) Methyl tert-Butyl Ether	5.16	73	9304	0.044	ppbv # 47
29) Chloroform	5.86	83	12178	0.051	ppbv 97
30) Cyclohexane	7.26	84	1991	0.017	ppbv # 1
31) cis-1,2-Dichloroethene	5.65	61	6196	0.045	ppbv 90
32) 1,1,1-Trichloroethane	6.63	97	24631	0.102	ppbv 90
34) 2-Butanone	5.30	43	428	0.002	ppbv # 52
35) Carbon Tetrachloride	7.15	117	16054	0.064	ppbv 93
36) Benzene	7.02	78	25240	0.088	ppbv # 95
37) 1,2-Dichloroethane	6.42	62	19589	0.111	ppbv # 92
38) Trichloroethene	7.98	130	4434	0.042	ppbv # 89
39) 1,2-Dichloropropane	7.75	63	9349	0.084	ppbv # 79
40) 1,4-Dioxane	7.96	88	82	0.002	ppbv # 1
41) Tetrahydrofuran	6.15	42	90	0.001	ppbv # 35
42) Bromodichloromethane	7.93	83	16607	0.067	ppbv # 60
43) Methyl Methacrylate	8.14	69	804	0.008	ppbv # 1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

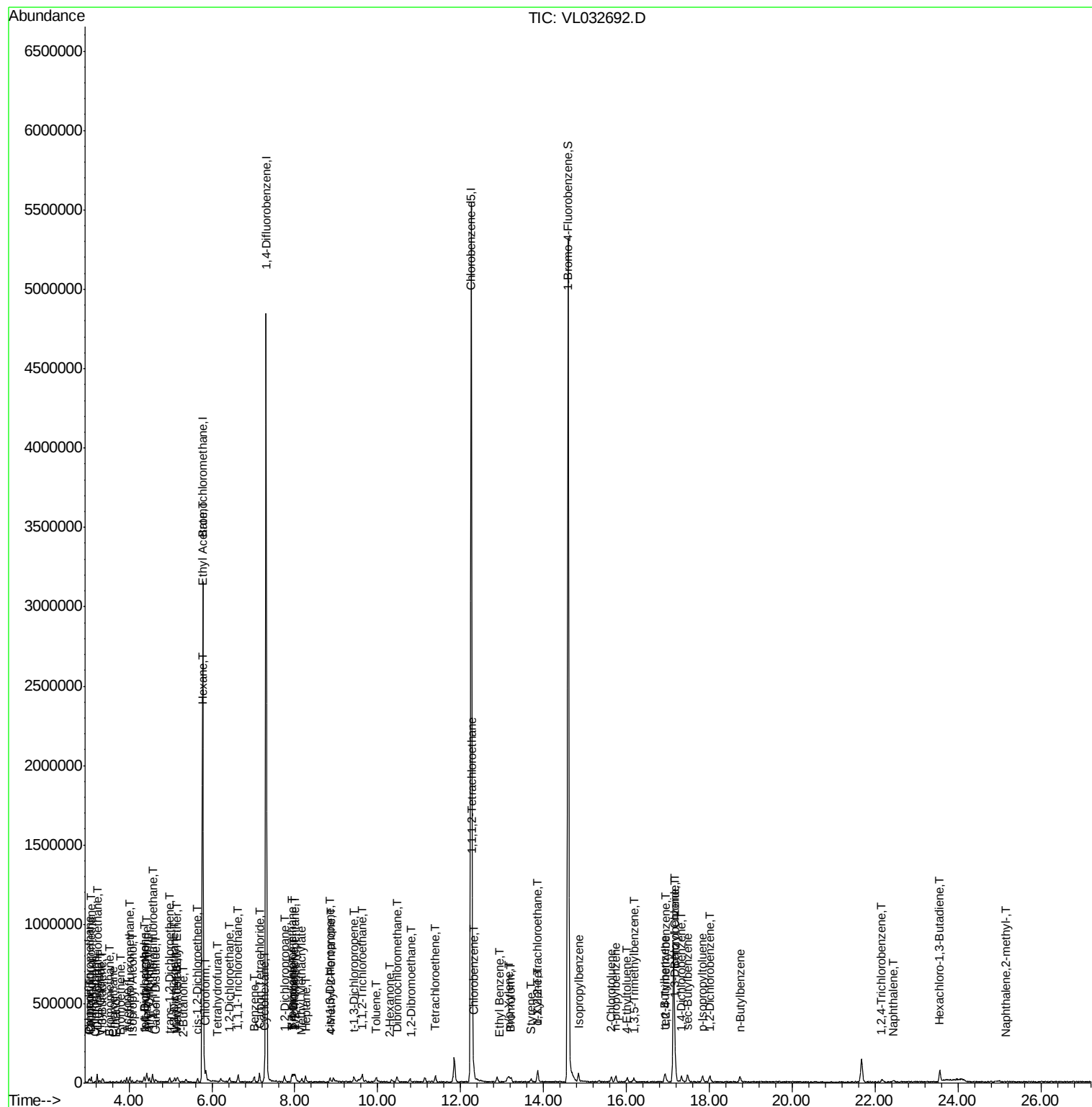
44) 2,2,4-Trimethylpentane	8.00	57	15894	0.032	ppbv #	1
45) t-1,3-Dichloropropene	9.43	75	2522	0.018	ppbv	99
46) cis-1,3-Dichloropropene	8.85	75	5367	0.033	ppbv #	73
47) 1,1,2-Trichloroethane	9.63	97	8264	0.063	ppbv #	87
48) Dibromochloromethane	10.46	129	13430	0.062	ppbv	63
49) Bromoform	13.22	173	13051	0.076	ppbv	93
50) 4-Methyl-2-Pentanone	8.87	43	298	0.001	ppbv #	38
51) 2-Hexanone	10.29	43	354	0.002	ppbv #	27
52) Tetrachloroethene	11.39	164	6693	0.067	ppbv #	47
53) Toluene	9.95	91	6804	0.021	ppbv #	20
54) 1,2-Dibromoethane	10.82	107	253	0.001	ppbv	89
56) 1,1,1,2-Tetrachloroethane	12.29	131	16093	0.105	ppbv #	1
57) Chlorobenzene	12.32	112	29994	0.117	ppbv #	94
58) Ethyl Benzene	12.93	91	200	0.000	ppbv	97
59) m/p-Xylene	13.16	91	8168	0.023	ppbv #	27
60) o-Xylene	13.86	91	7708	0.022	ppbv #	1
61) Styrene	13.70	104	6746	0.029	ppbv #	43
62) Isopropylbenzene	14.84	105	33912	0.069	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.85	83	12534	0.046	ppbv #	25
64) n-propylbenzene	15.73	120	3470	0.028	ppbv #	1
65) tert-Butylbenzene	16.92	119	4501	0.011	ppbv #	1
66) Benzyl Chloride	17.17	91	5996	0.028	ppbv #	19
67) sec-Butylbenzene	17.47	105	35351	0.059	ppbv	97
69) p-Isopropyltoluene	17.83	119	8410	0.018	ppbv #	47
70) n-Butylbenzene	18.73	91	11663	0.024	ppbv #	37
71) 2-Chlorotoluene	15.63	91	11995	0.034	ppbv #	45
72) 4-Ethyltoluene	16.01	105	10400	0.028	ppbv #	58
73) 1,3,5-Trimethylbenzene	16.18	105	6211	0.017	ppbv #	37
74) 1,2,4-Trimethylbenzene	16.95	105	18226	0.047	ppbv #	92
75) 1,3-Dichlorobenzene	17.18	146	6939	0.031	ppbv #	23
76) 1,4-Dichlorobenzene	17.33	146	3768	0.018	ppbv #	1
77) 1,2-Dichlorobenzene	18.00	146	7127	0.034	ppbv #	22
78) Hexachloro-1,3-Butadiene	23.55	225	7720	0.078	ppbv #	14
79) Naphthalene	22.43	128	2620	0.011	ppbv #	73
80) Naphthalene,2-methyl-	25.15	142	620	0.011	ppbv #	65
81) 1,2,4-Trichlorobenzene	22.15	180	672	0.005	ppbv #	12

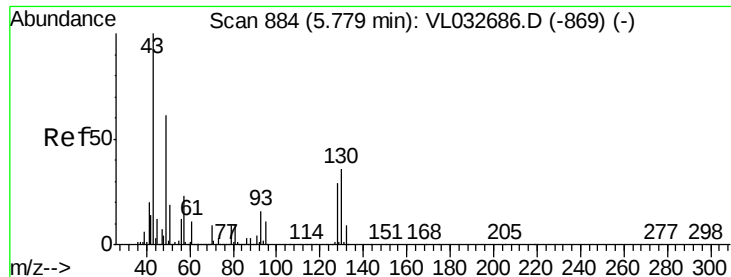
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2018

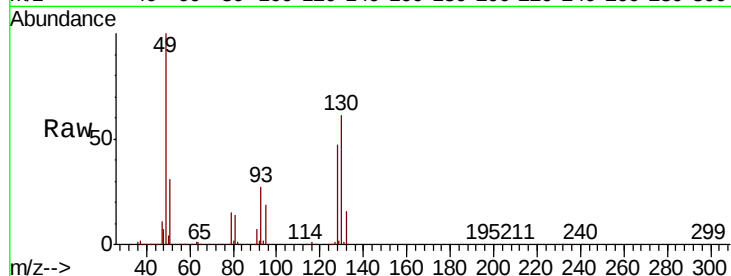
Tgt Ion: 49 Resp: 1473434

Ion Ratio Lower Upper

49 100

128 49.0 22.3 66.8

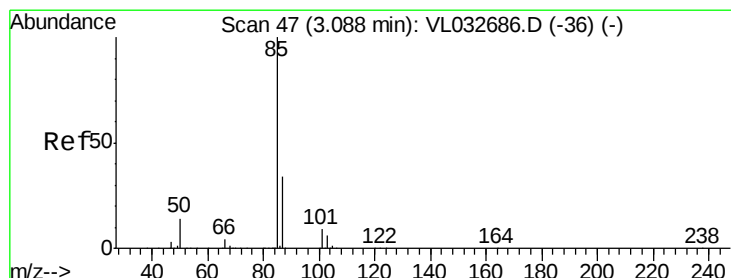
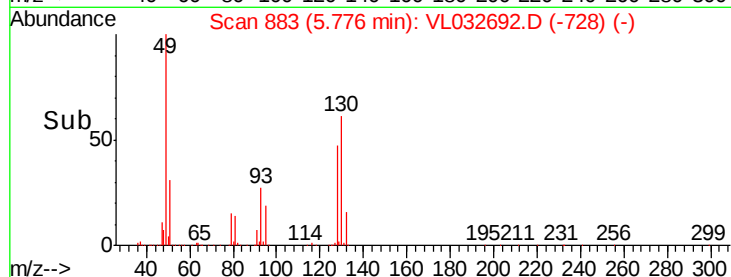
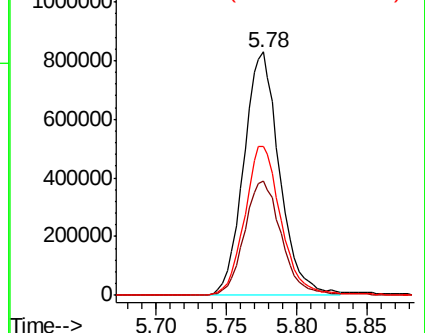
130 63.0 28.4 85.3



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: 0.164 ppbv

RT: 3.09 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL032692.D

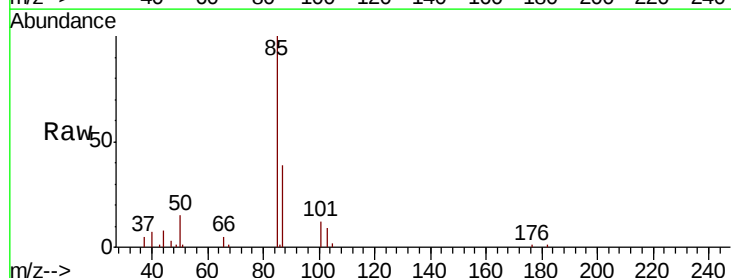
Acq: 24 Oct 2018 18:03

Tgt Ion: 85 Resp: 24663

Ion Ratio Lower Upper

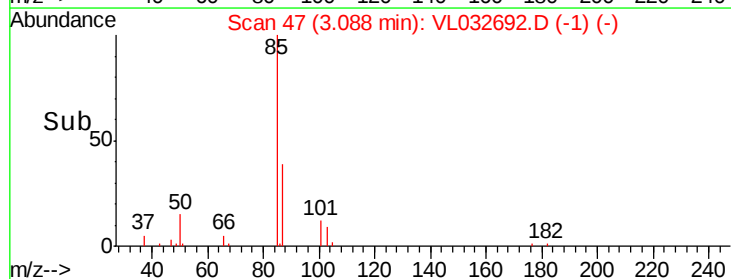
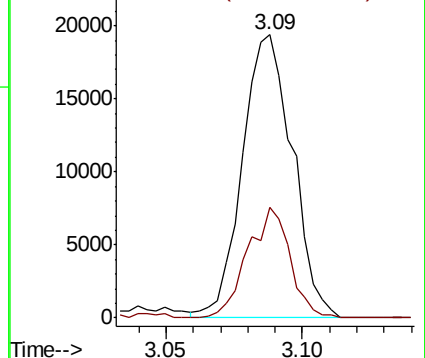
85 100

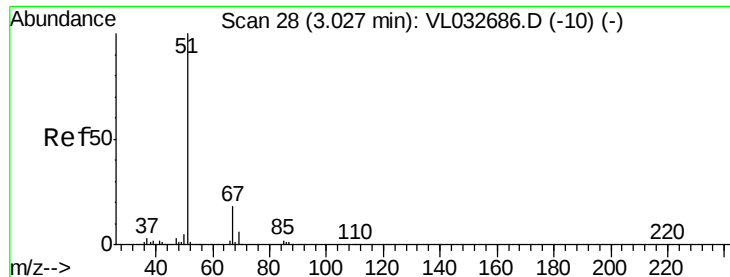
87 39.0 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

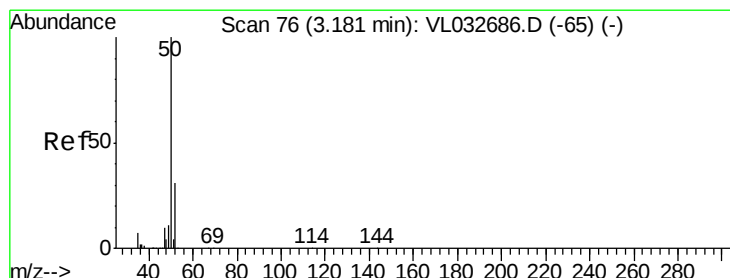
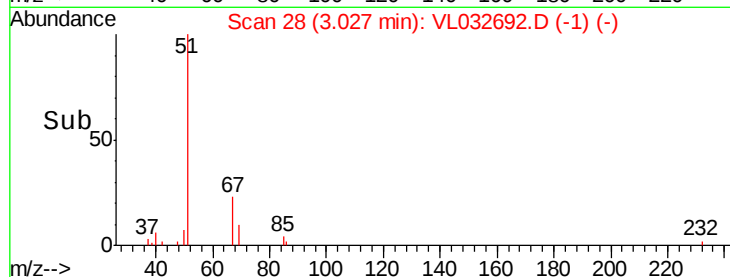
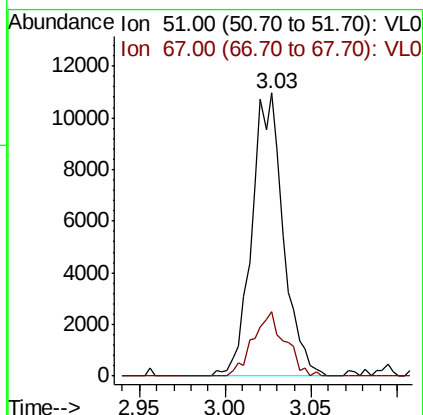
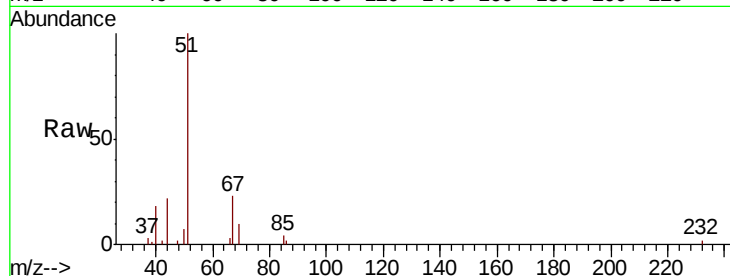




#3
Chlorodifluoromethane
Concen: 0.120 ppbv
RT: 3.03 min Scan# 28
Delta R.T. 0.00 min
Lab File: VL032692.D
Acq: 24 Oct 2018 18:03

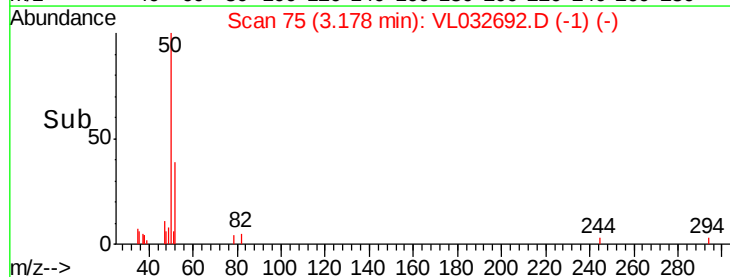
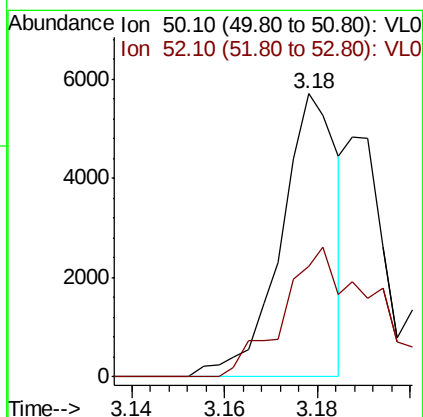
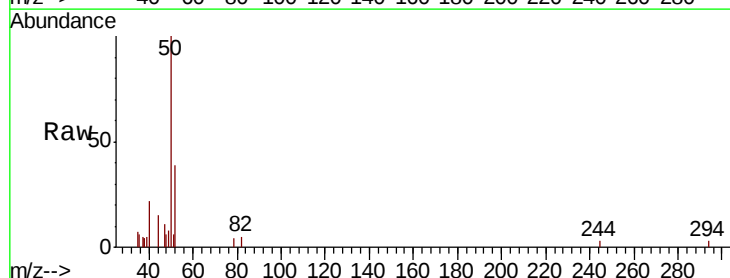
Instrument :
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ClientSampleId :
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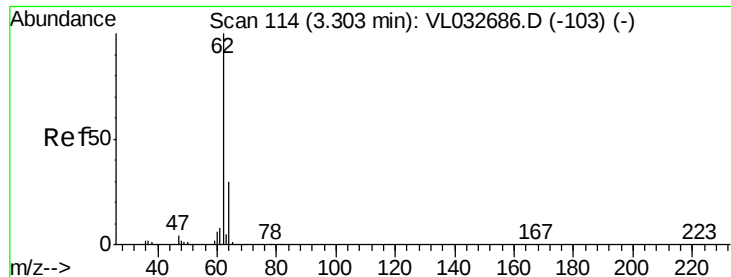
Tgt Ion: 51 Resp: 13869
Ion Ratio Lower Upper
51 100
67 23.2 15.2 22.8#



#4
Chloromethane
Concen: 0.075 ppbv
RT: 3.18 min Scan# 75
Delta R.T. 0.00 min
Lab File: VL032692.D
Acq: 24 Oct 2018 18:03

Tgt Ion: 50 Resp: 4821
Ion Ratio Lower Upper
50 100
52 39.1 25.9 38.9#





#5

Vinyl Chloride

Concen: 0.110 ppbv

RT: 3.31 min Scan# 115

Delta R.T. 0.01 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

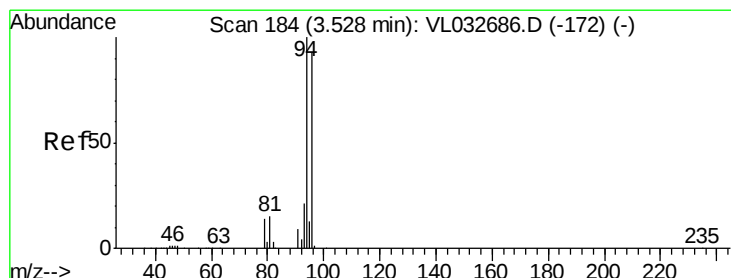
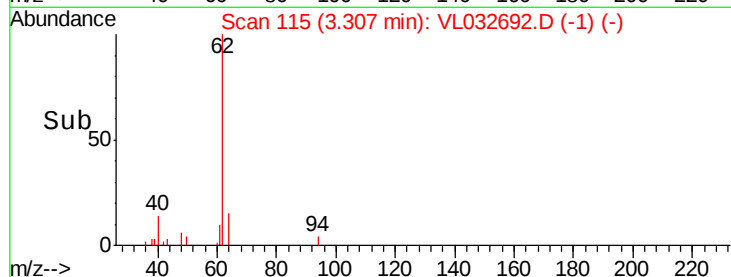
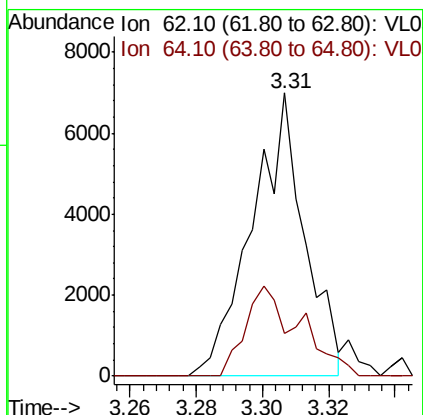
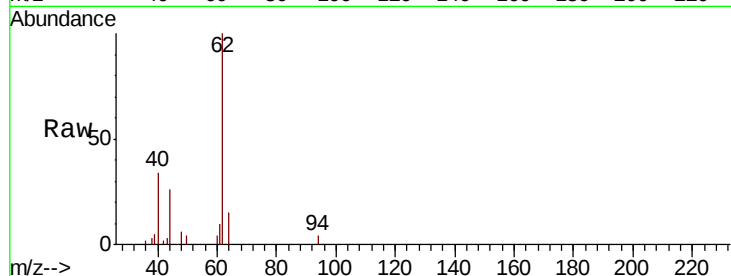
LOD-MDL-AIR-01-QT4-2018

Tgt Ion: 62 Resp: 7687

Ion Ratio Lower Upper

62 100

64 15.1 25.5 38.3#



#6

Bromomethane

Concen: 0.109 ppbv

RT: 3.53 min Scan# 185

Delta R.T. 0.01 min

Lab File: VL032692.D

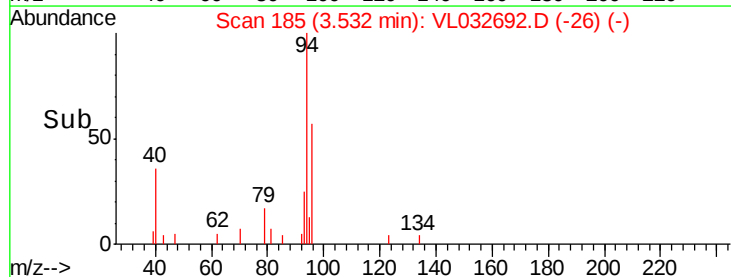
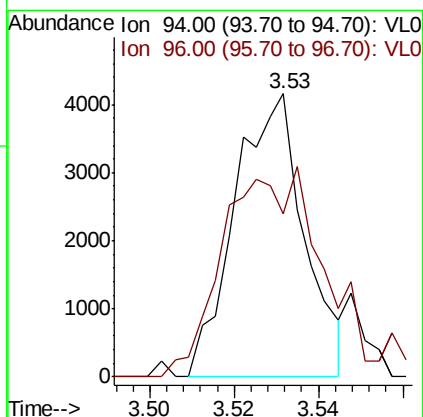
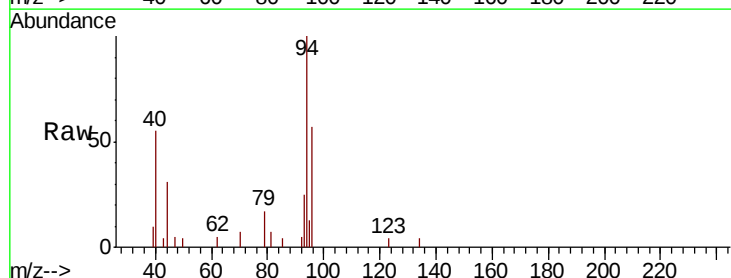
Acq: 24 Oct 2018 18:03

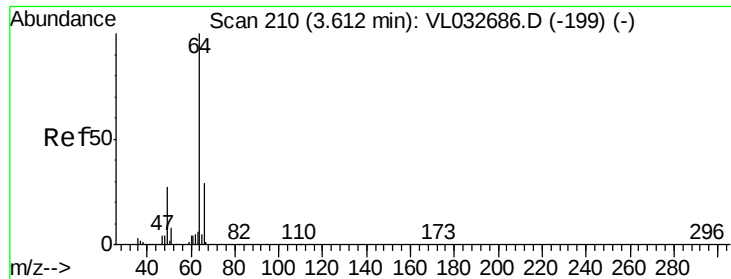
Tgt Ion: 94 Resp: 4754

Ion Ratio Lower Upper

94 100

96 44.7 69.8 104.8#





#7

Chloroethane

Concen: 0.064 ppbv

RT: 3.61 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

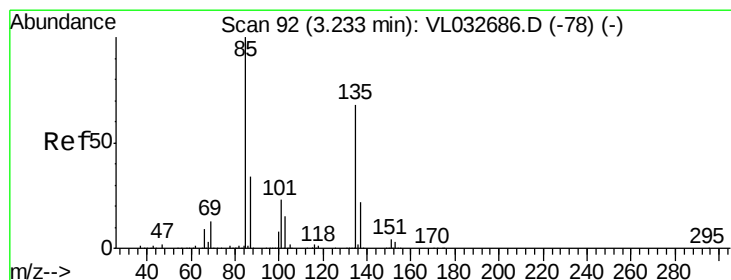
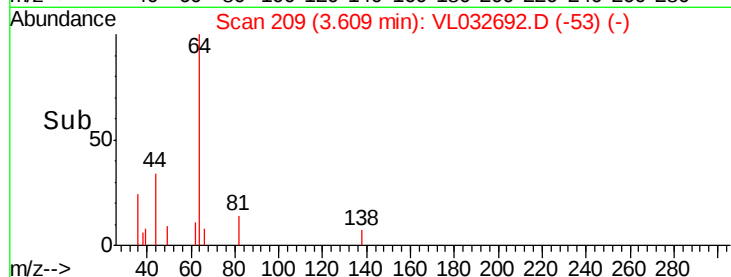
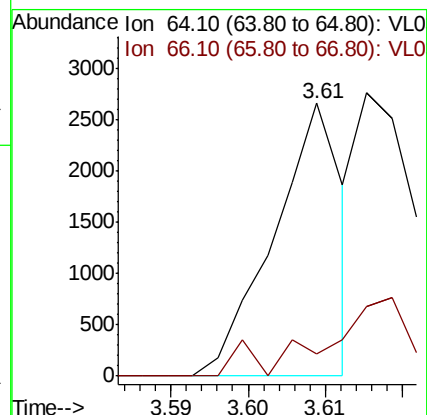
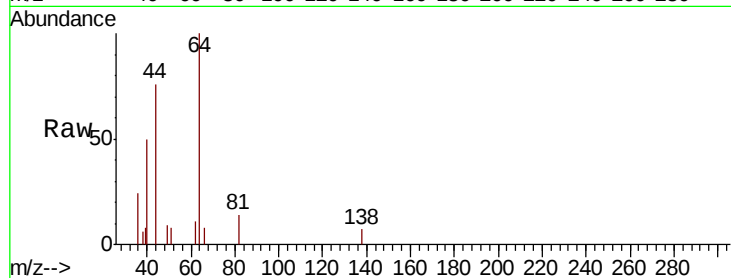
LOD-MDL-AIR-01-QT4-2018

Tgt Ion: 64 Resp: 1642

Ion Ratio Lower Upper

64 100

66 8.3 24.4 36.6#



#8

Dichlorotetrafluoroethane

Concen: 0.125 ppbv

RT: 3.23 min Scan# 91

Delta R.T. 0.00 min

Lab File: VL032692.D

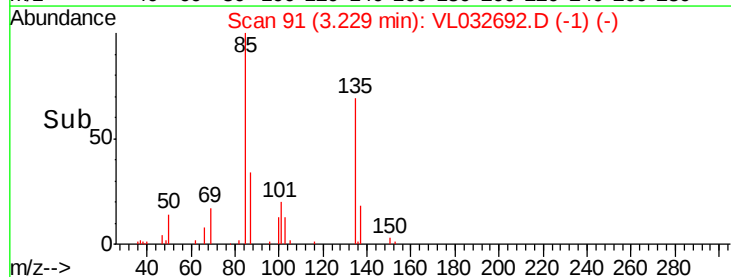
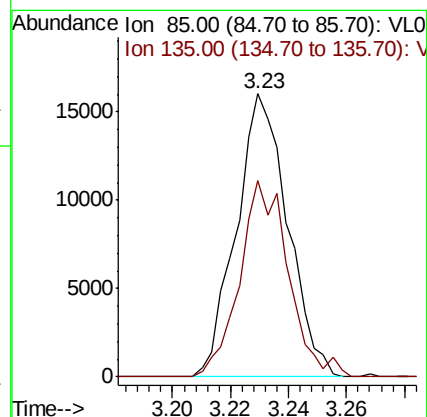
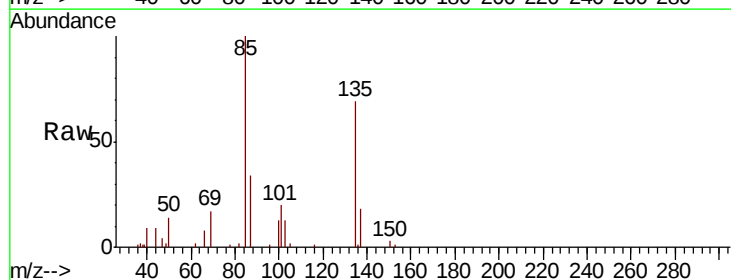
Acq: 24 Oct 2018 18:03

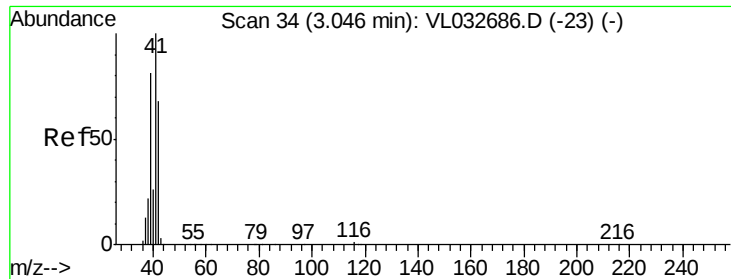
Tgt Ion: 85 Resp: 19733

Ion Ratio Lower Upper

85 100

135 65.5 49.0 73.4





#9

Propene

Concen: 0.058 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.00 min

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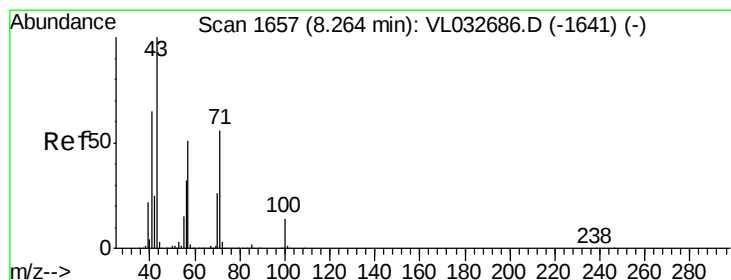
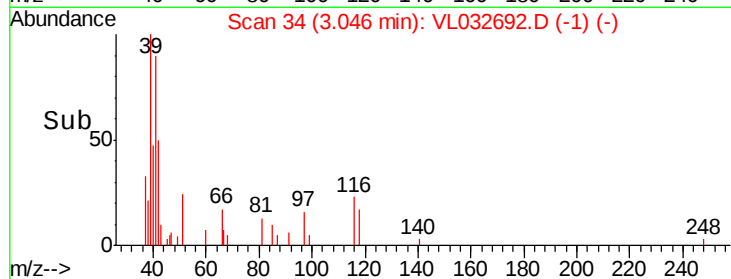
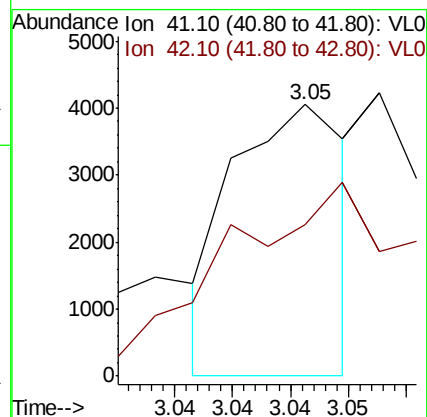
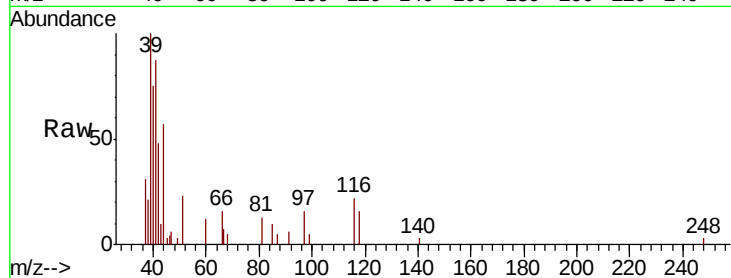
LOD-MDL-AIR-01-QT4-2018

Tgt Ion: 41 Resp: 2769

Ion Ratio Lower Upper

41 100

42 0.0 55.4 83.0#



#10

Heptane

Concen: 0.048 ppbv

RT: 8.26 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VL032692.D

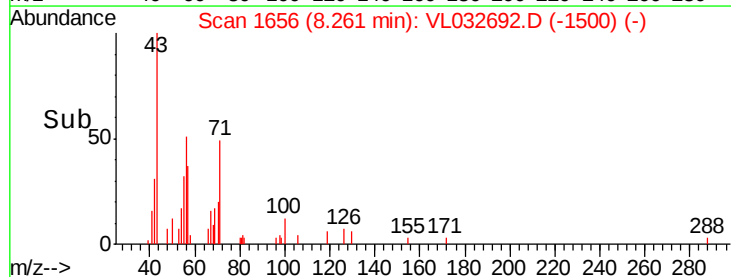
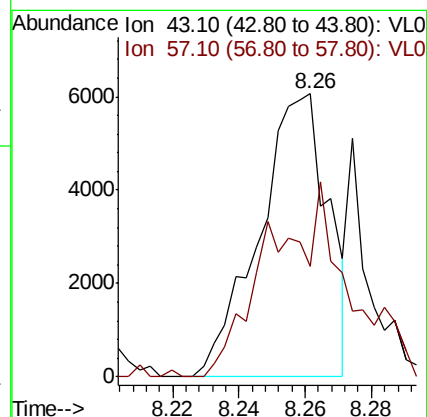
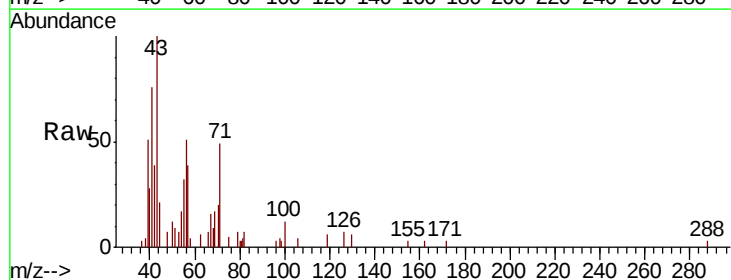
Acq: 24 Oct 2018 18:03

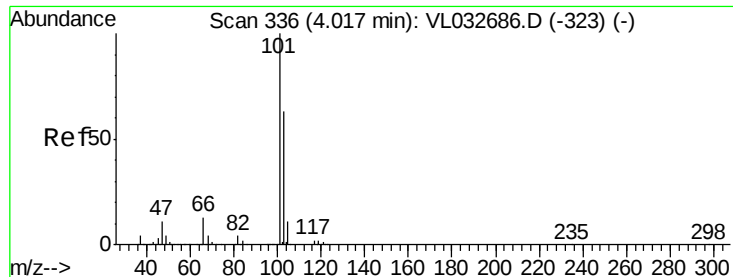
Tgt Ion: 43 Resp: 8794

Ion Ratio Lower Upper

43 100

57 81.4 41.5 62.3#





#11

Trichlorofluoromethane

Concen: 0.109 ppbv

RT: 4.02 min Scan# 336

Delta R.T. 0.00 min

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ClientSampleId :

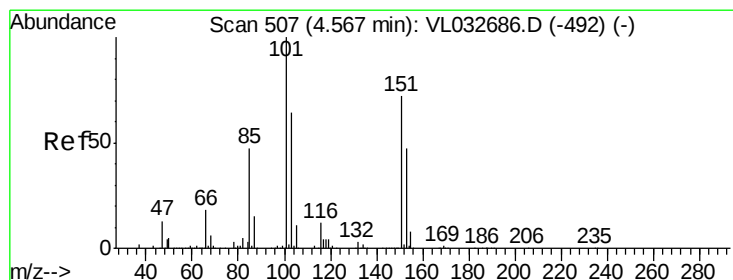
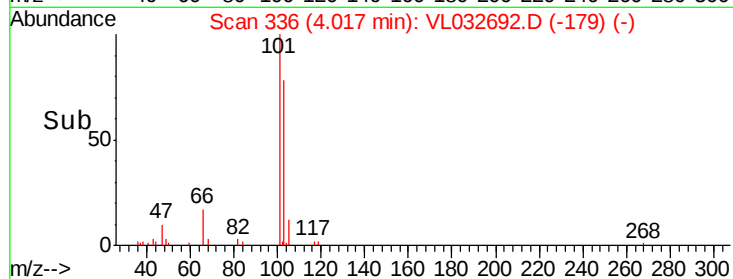
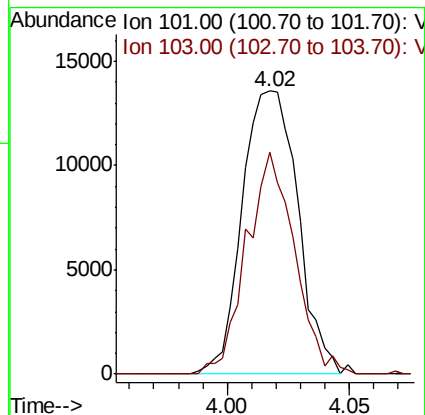
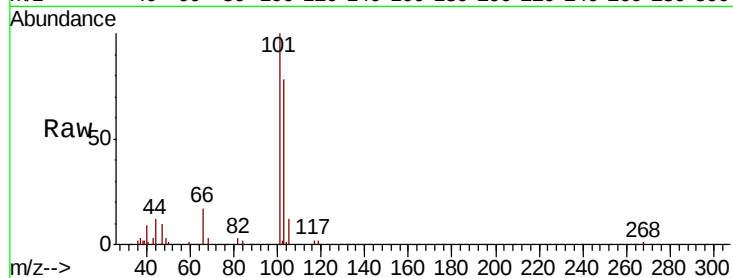
LOD-MDL-AIR-01-QT4-2018

Tgt Ion:101 Resp: 21459

Ion Ratio Lower Upper

101 100

103 78.3 51.4 77.2#



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.107 ppbv

RT: 4.57 min Scan# 508

Delta R.T. 0.01 min

Lab File: VL032692.D

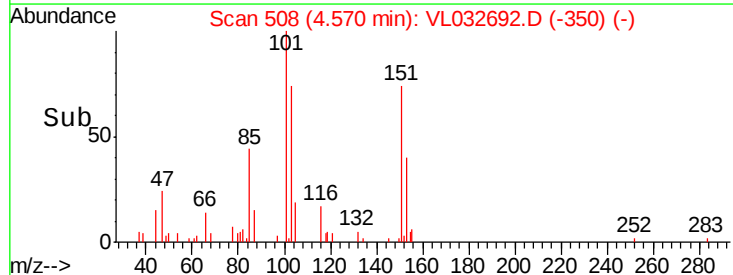
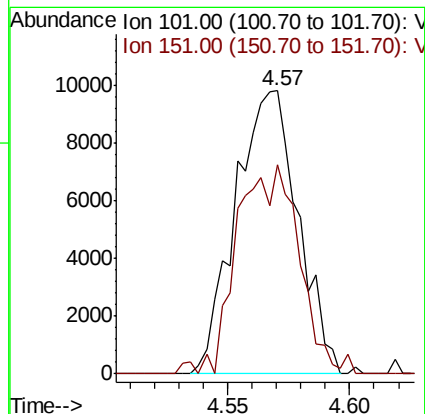
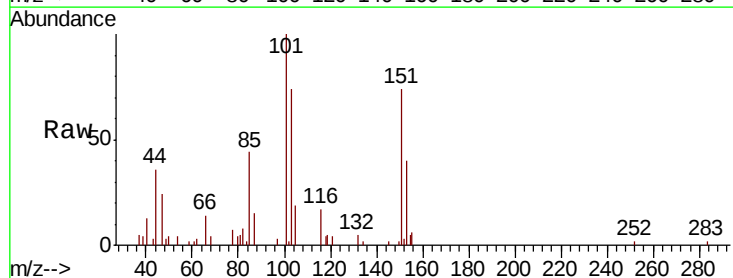
Acq: 24 Oct 2018 18:03

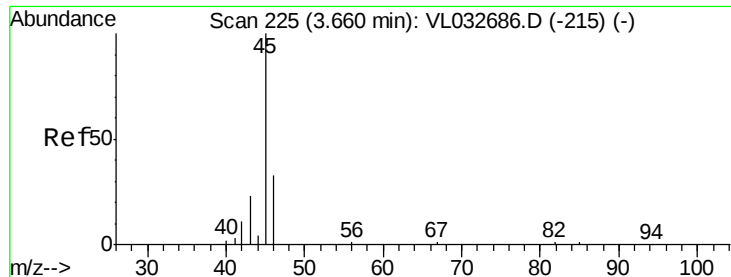
Tgt Ion:101 Resp: 17516

Ion Ratio Lower Upper

101 100

151 73.5 52.3 78.5





#13

Ethanol

Concen: 0.011 ppbv

RT: 3.67 min Scan# 227

Delta R.T. 0.01 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

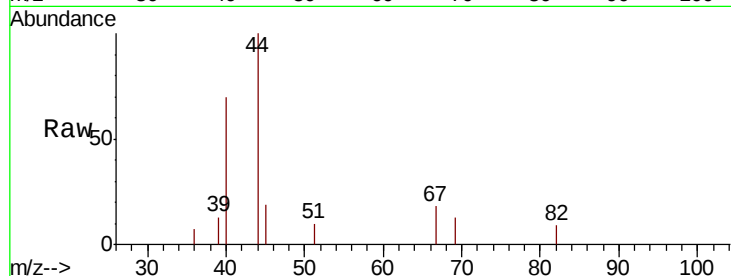
LOD-MDL-AIR-01-QT4-2018

Tgt Ion: 45 Resp: 147

Ion Ratio Lower Upper

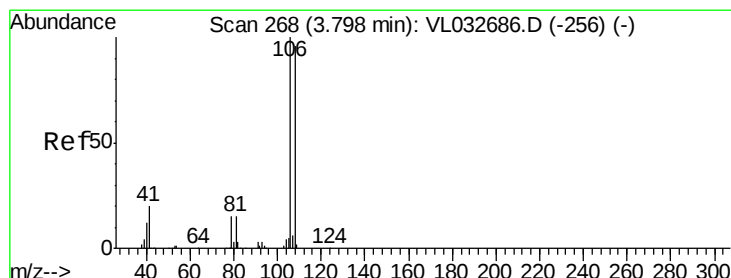
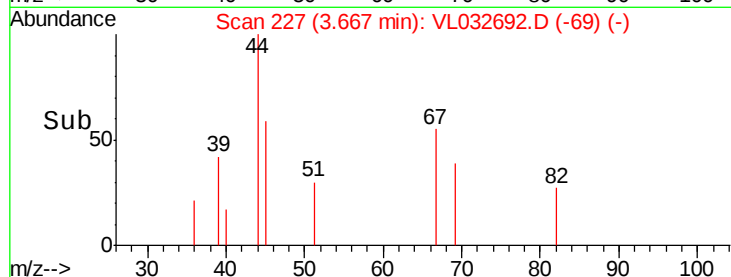
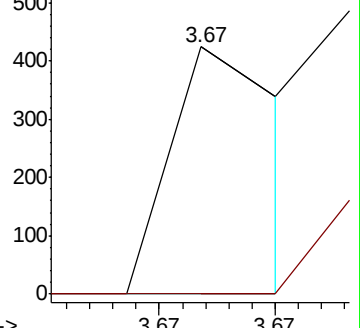
45 100

46 0.0 15.4 61.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 0.037 ppbv

RT: 3.80 min Scan# 267

Delta R.T. -0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

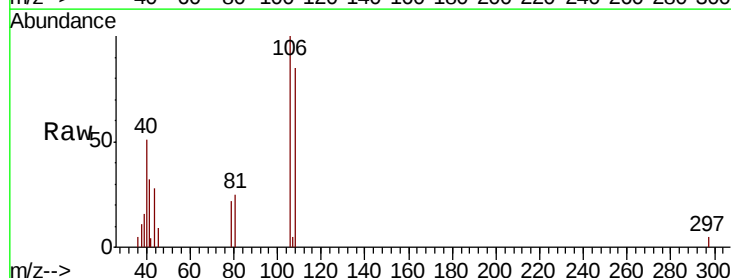
Tgt Ion: 108 Resp: 2057

Ion Ratio Lower Upper

108 100

106 0.0 85.0 127.4#

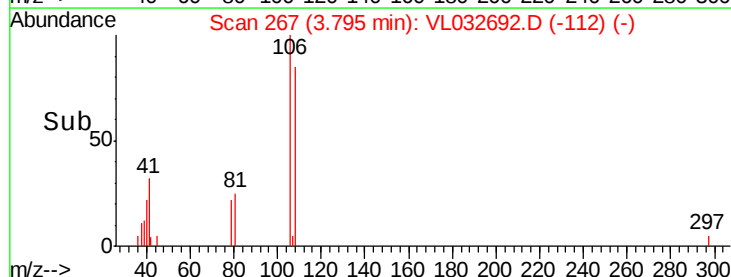
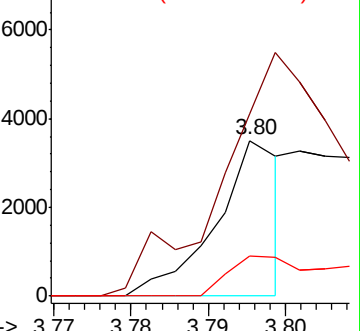
79 51.8 13.7 20.5#

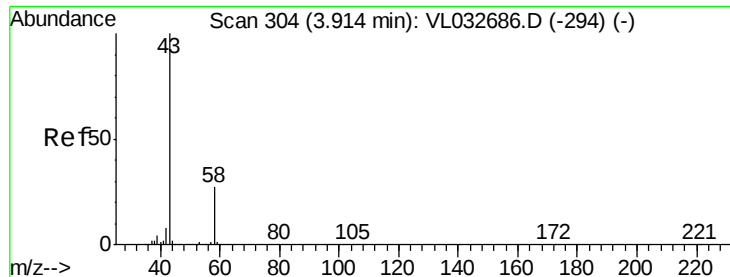


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 0.211 ppbv

RT: 3.94 min Scan# 313

Delta R.T. 0.03 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

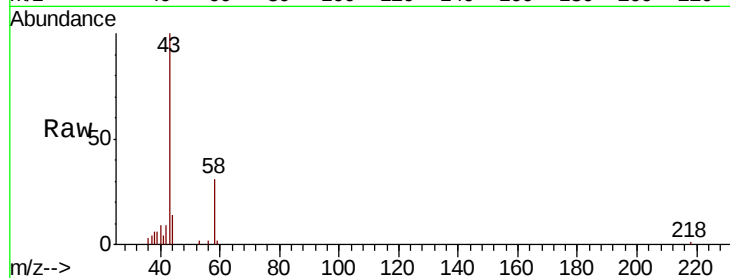
LOD-MDL-AIR-01-QT4-2018

Tgt Ion: 43 Resp: 28776

Ion Ratio Lower Upper

43 100

58 30.2 22.1 33.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

20000

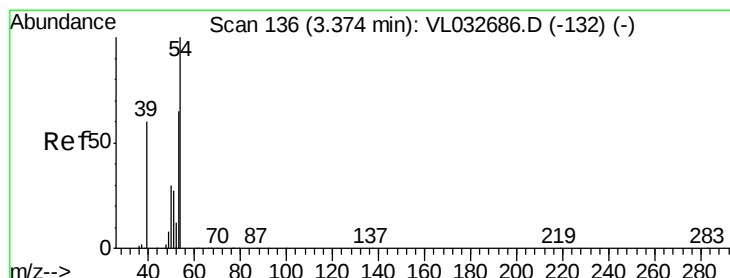
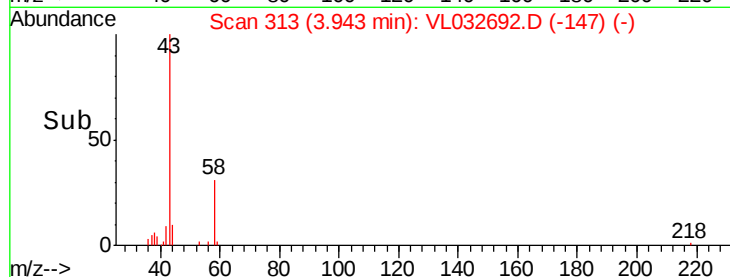
15000

10000

5000

0

Time-->



#16

1,3-Butadiene

Concen: 0.032 ppbv

RT: 3.37 min Scan# 134

Delta R.T. -0.01 min

Lab File: VL032692.D

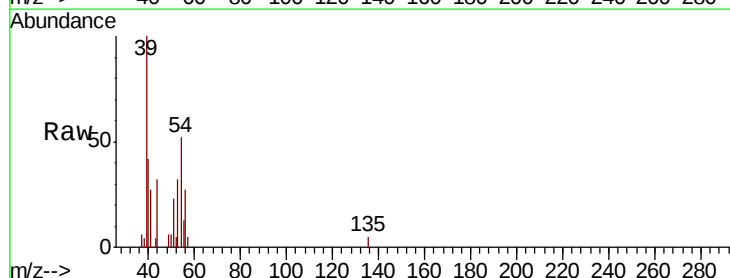
Acq: 24 Oct 2018 18:03

Tgt Ion: 39 Resp: 1579

Ion Ratio Lower Upper

39 100

54 0.0 90.4 135.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.37

5000

4000

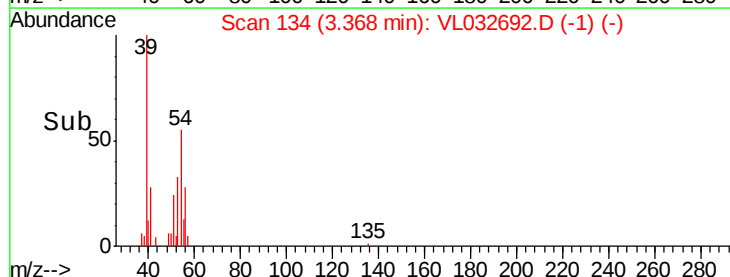
3000

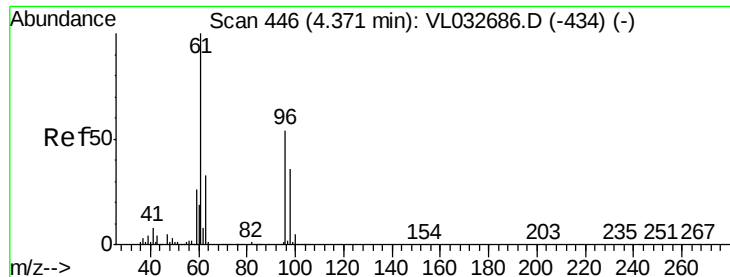
2000

1000

0

Time-->



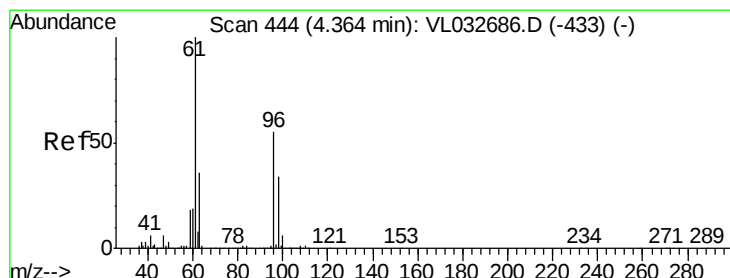
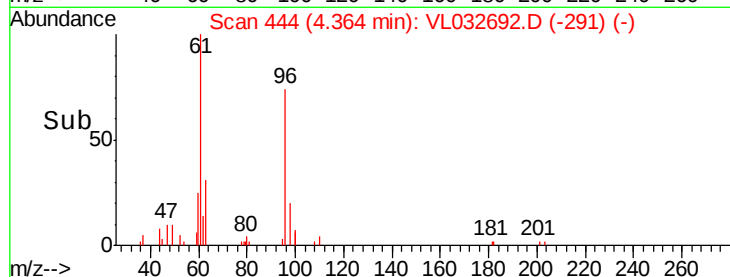
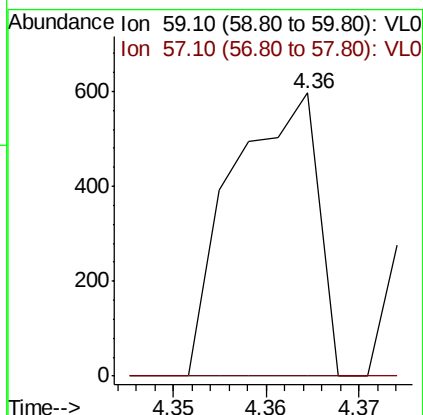
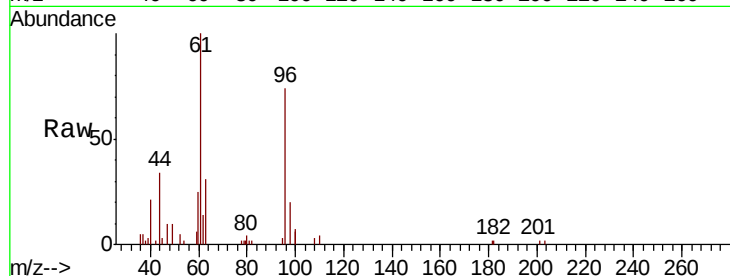


#17

tert-Butyl alcohol
 Concen: 0.010 ppbv
 RT: 4.36 min Scan# 444
 Delta R.T. -0.01 min
 Lab File: VL032692.D
 Acq: 24 Oct 2018 18:03

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2018

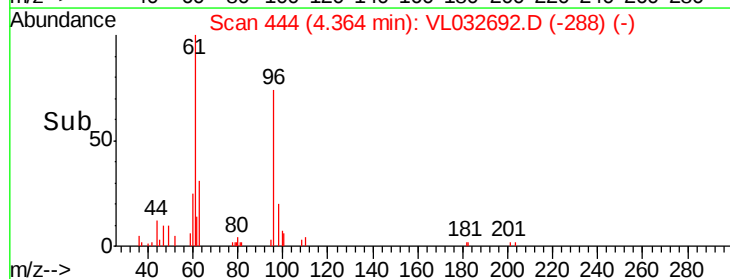
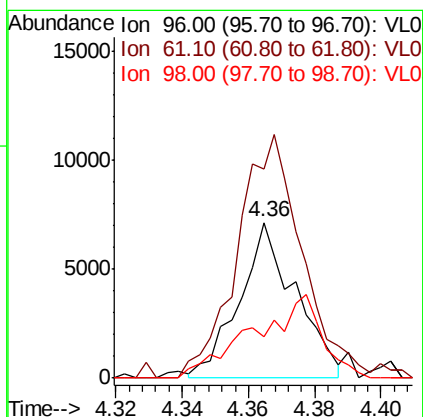
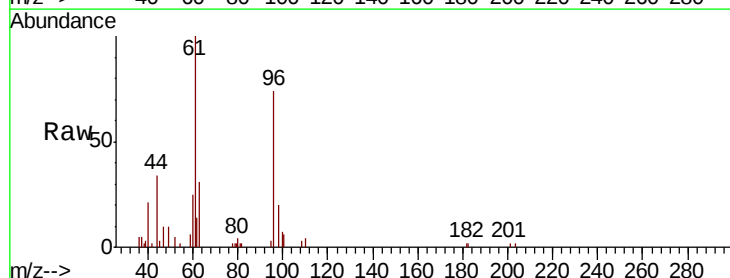
Tgt Ion: 59 Resp: 383
 Ion Ratio Lower Upper
 59 100
 57 0.0 0.0 0.0

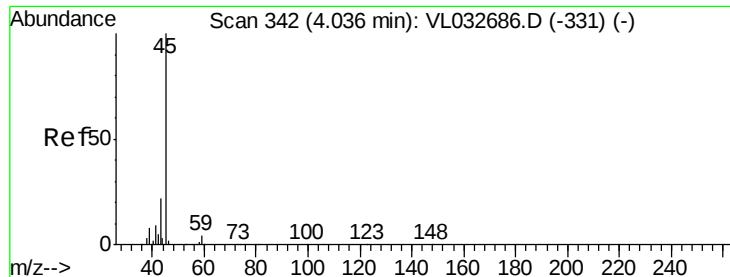


#18

1,1-Dichloroethene
 Concen: 0.118 ppbv
 RT: 4.36 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VL032692.D
 Acq: 24 Oct 2018 18:03

Tgt Ion: 96 Resp: 8436
 Ion Ratio Lower Upper
 96 100
 61 122.7 151.6 227.4#
 98 21.5 50.6 75.8#





#19

Isopropyl Alcohol

Concen: 0.040 ppbv

RT: 4.07 min Scan# 351

Delta R.T. 0.03 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

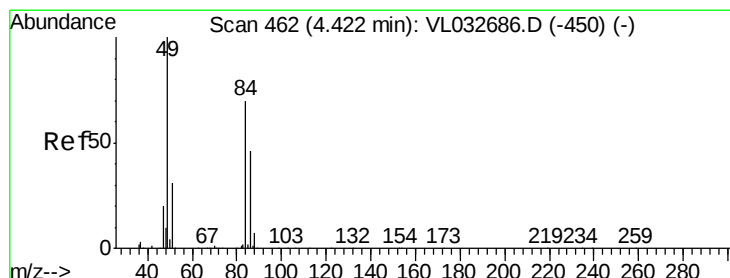
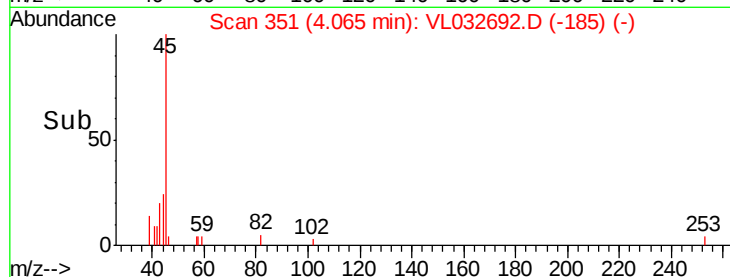
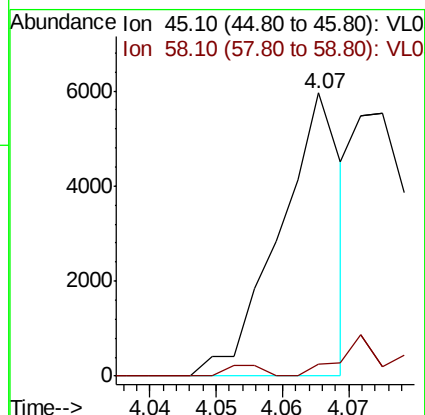
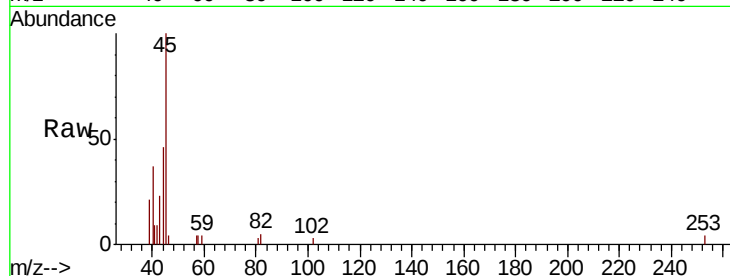
LOD-MDL-AIR-01-QT4-2018

Tgt Ion: 45 Resp: 3877

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#



#20

Methylene Chloride

Concen: 0.131 ppbv

RT: 4.42 min Scan# 462

Delta R.T. 0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Tgt Ion: 84 Resp: 9013

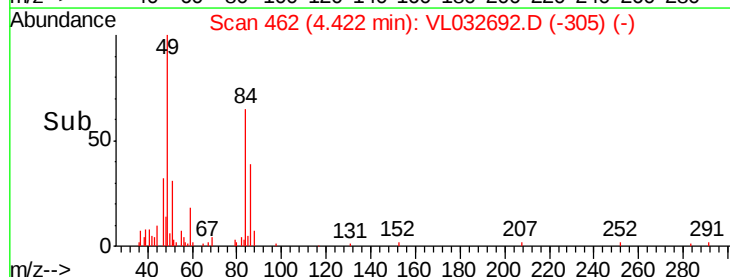
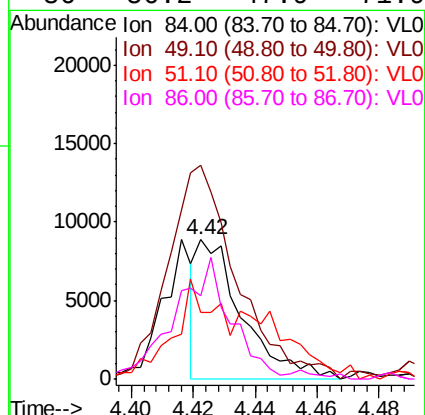
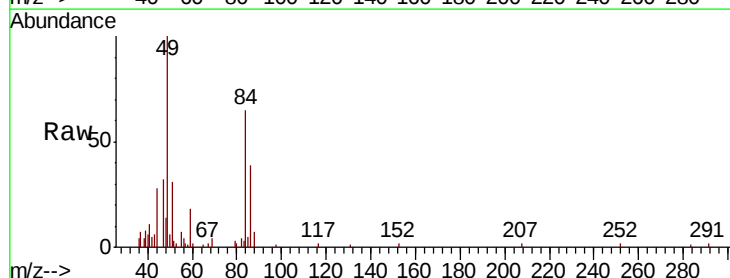
Ion Ratio Lower Upper

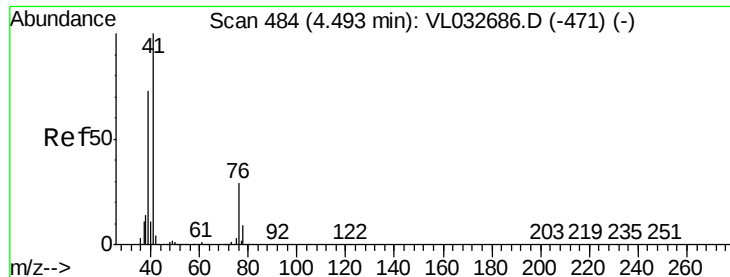
84 100

49 153.4 113.5 170.3

51 43.1 34.8 52.2

86 56.2 47.9 71.9





#21

Allyl Chloride

Concen: 0.096 ppbv

RT: 4.49 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

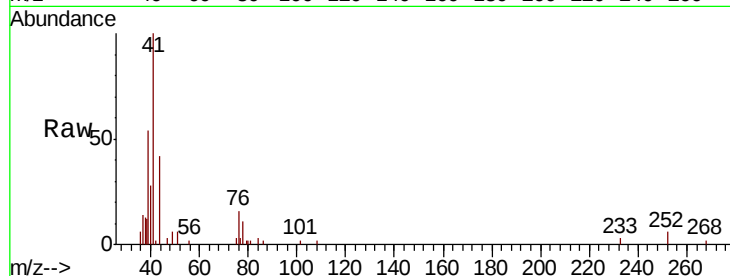
Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2018

Tgt Ion:	41	Resp:	10752
Ion	Ratio	Lower	Upper
41	100		
76	34.6	24.3	36.5
39	108.4	60.3	90.5#

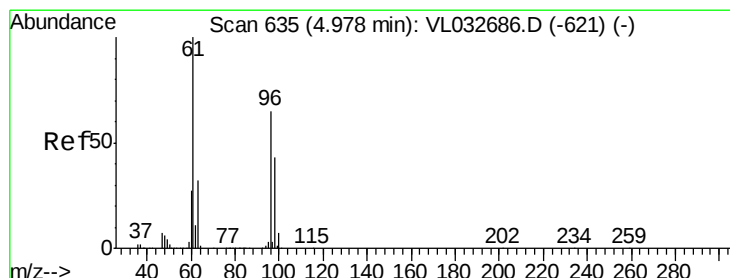
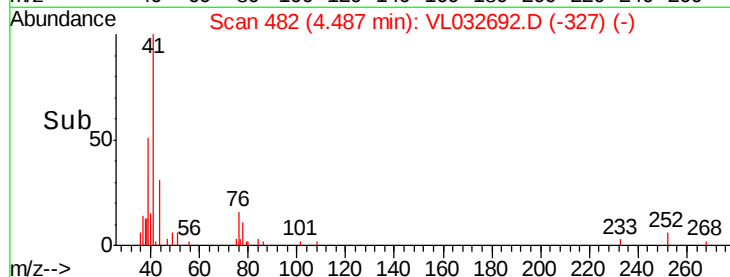
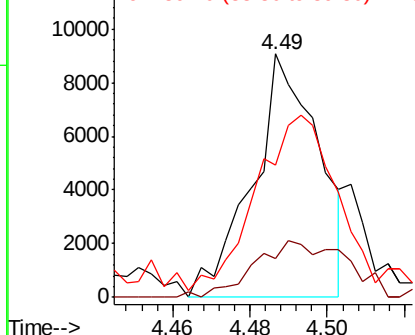


Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 0.044 ppbv

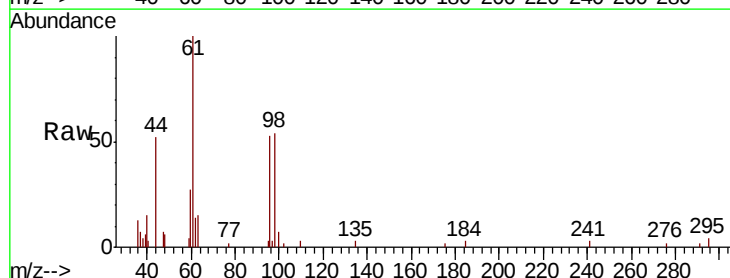
RT: 4.97 min Scan# 633

Delta R.T. -0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Tgt Ion:	96	Resp:	3254
Ion	Ratio	Lower	Upper
96	100		
61	194.1	140.4	210.6
98	106.8	55.0	82.6#

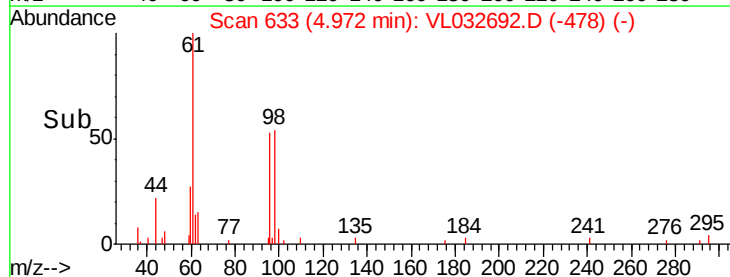
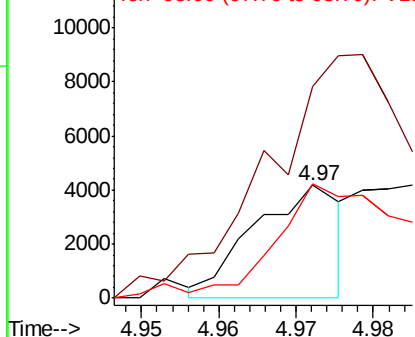


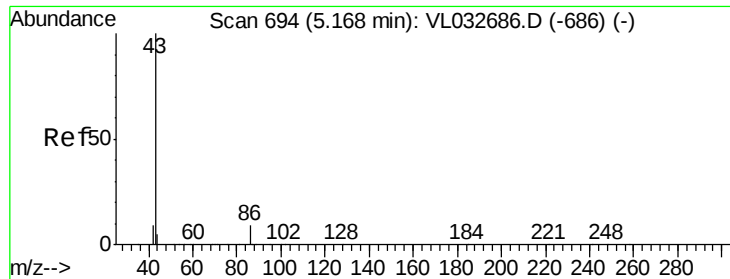
Abundance

Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 0.050 ppbv

RT: 5.17 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

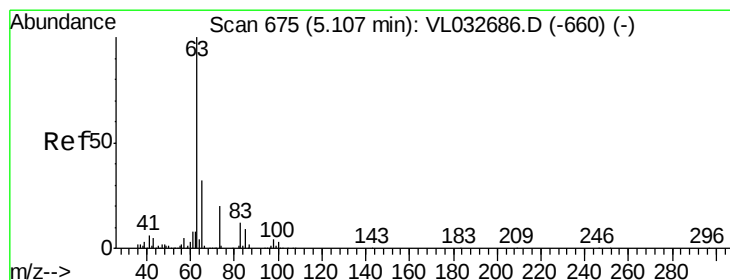
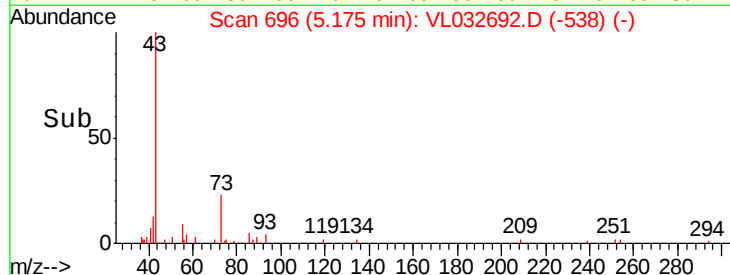
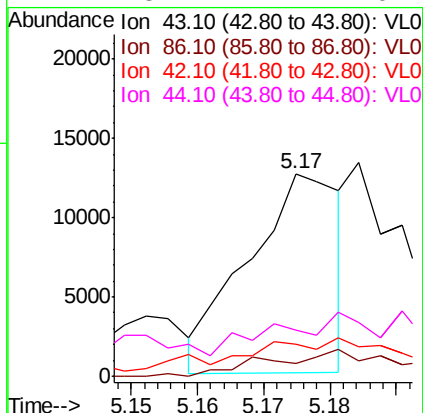
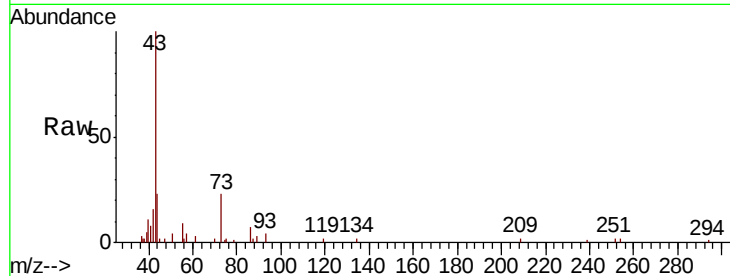
Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2018

Tgt Ion:	43	Resp:	12166
Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.1	9.1
42	5.7	7.4	11.2#
44	8.4	4.2	6.2#



#24

1,1-Dichloroethane

Concen: 0.107 ppbv

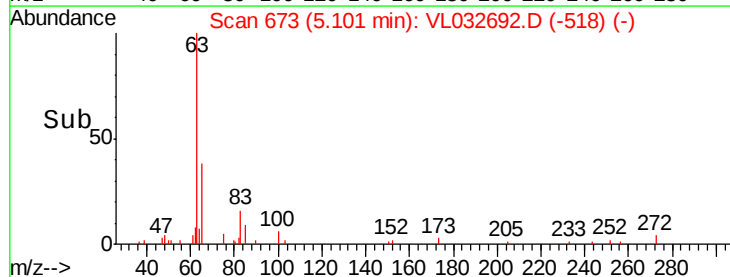
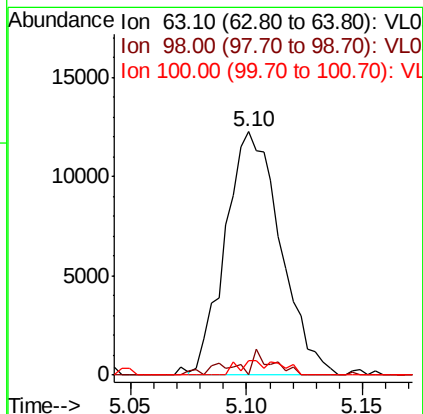
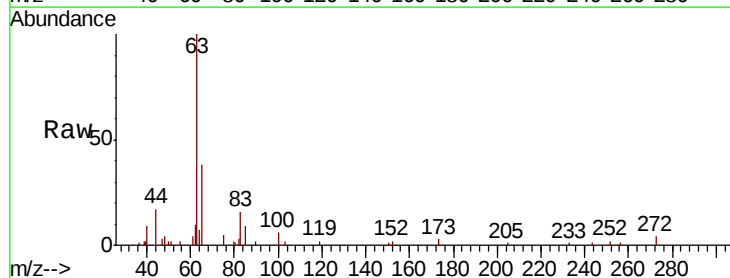
RT: 5.10 min Scan# 673

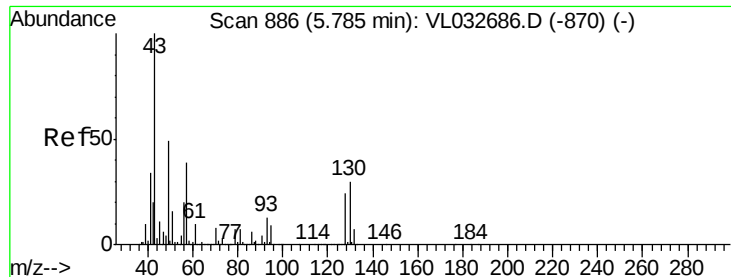
Delta R.T. -0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Tgt Ion:	63	Resp:	20221
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.1	6.3#
100	5.9	1.2	3.6#





#25

Ethyl Acetate

Concen: 0.001 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.02 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2018

Tgt Ion: 43 Resp: 392

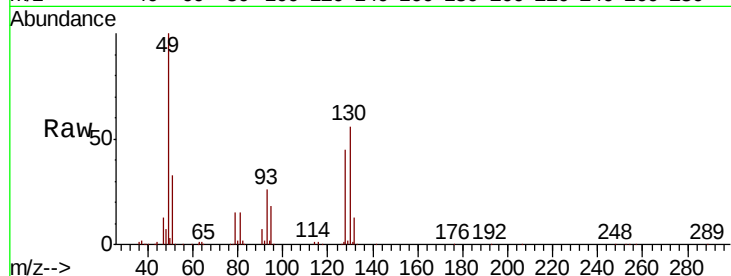
Ion Ratio Lower Upper

43 100

45 0.0 8.0 12.0#

61 0.0 8.0 12.0#

70 0.0 5.9 8.9#

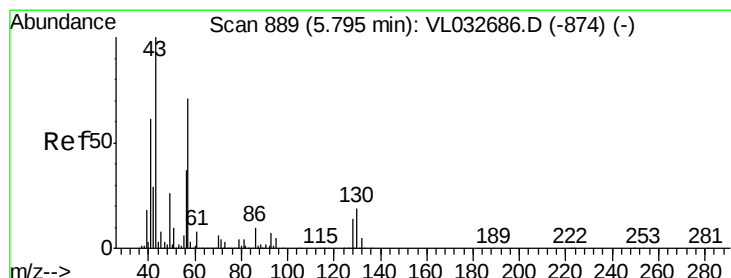
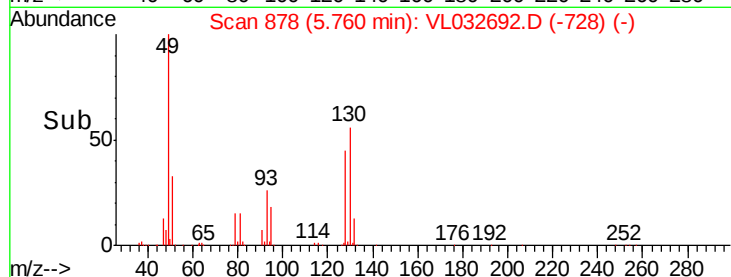
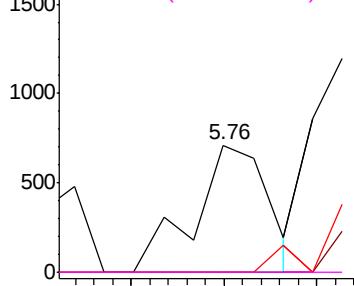


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.093 ppbv

RT: 5.80 min Scan# 889

Delta R.T. 0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Tgt Ion: 57 Resp: 13744

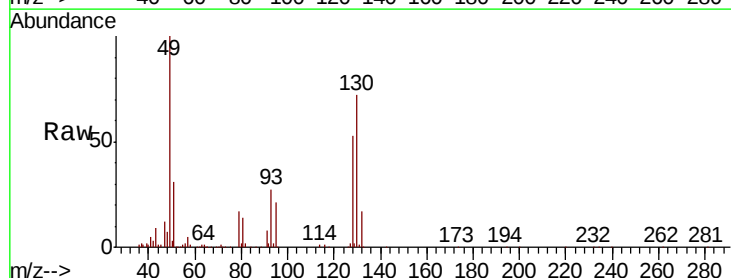
Ion Ratio Lower Upper

57 100

41 114.7 67.4 101.0#

43 246.9 171.9 257.9

56 72.1 42.6 63.8#

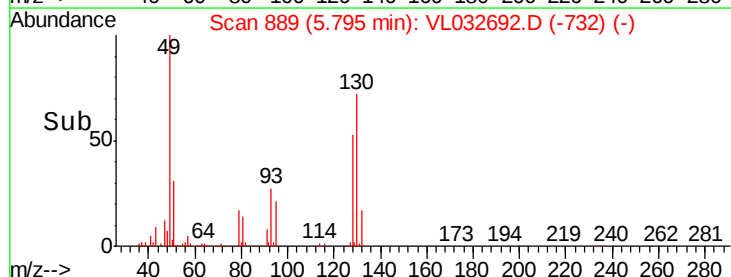
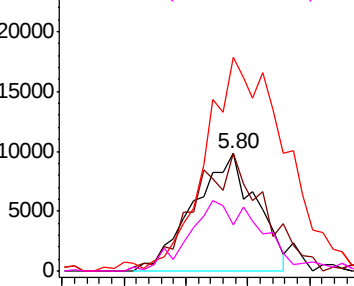


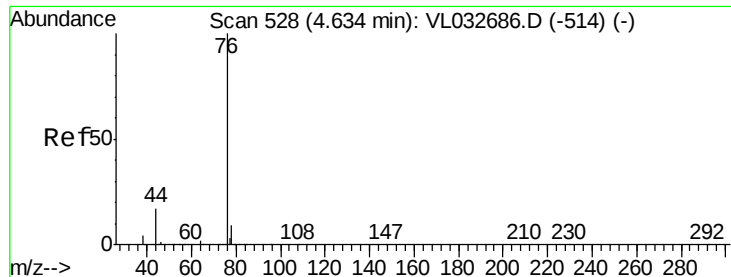
Abundance Ion 57.10 (56.80 to 57.80): VL0

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





#27

Carbon Disulfide

Concen: 0.051 ppbv

RT: 4.63 min Scan# 527

Delta R.T. 0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2018

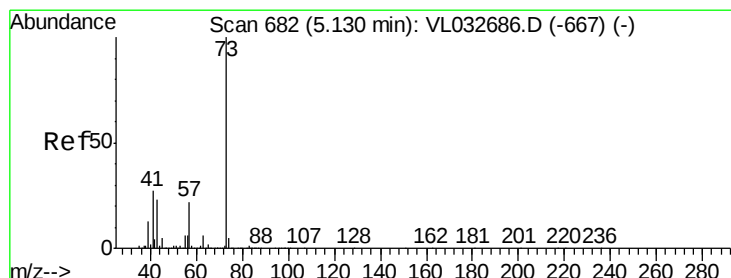
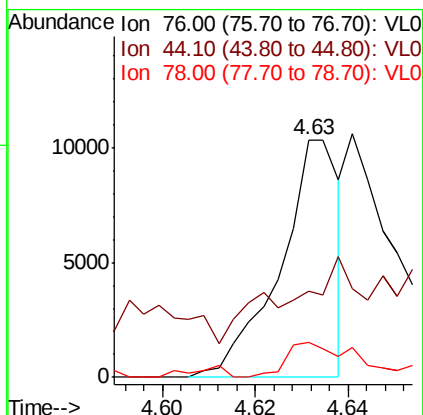
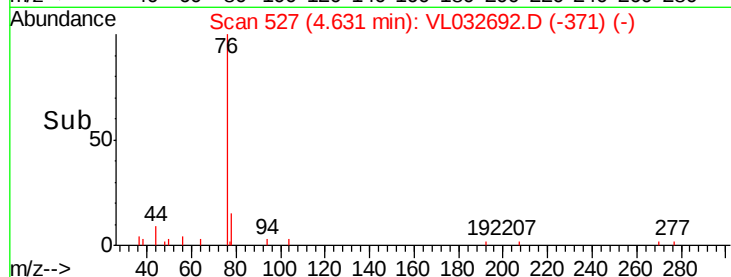
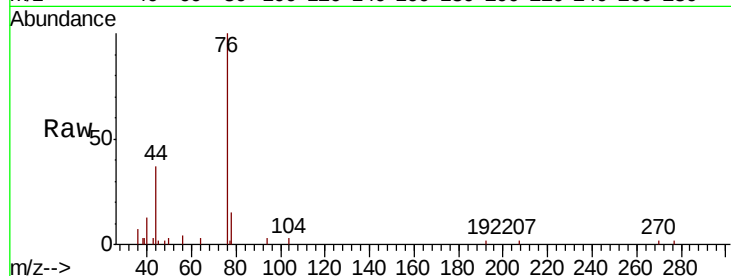
Tgt Ion: 76 Resp: 9189

Ion Ratio Lower Upper

76 100

44 44.9 13.7 20.5#

78 22.3 7.4 11.2#



#28

Methyl tert-Butyl Ether

Concen: 0.044 ppbv

RT: 5.16 min Scan# 690

Delta R.T. 0.03 min

Lab File: VL032692.D

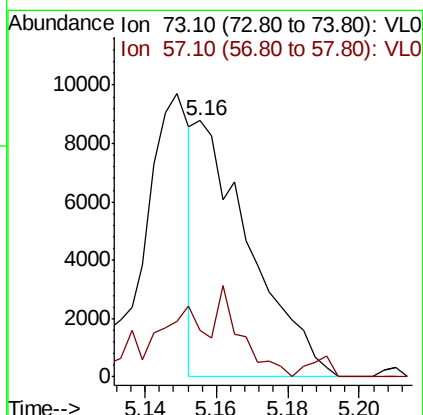
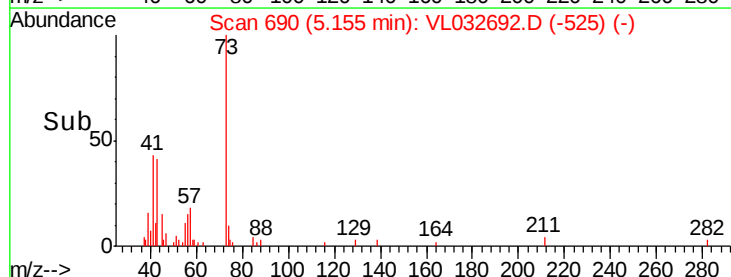
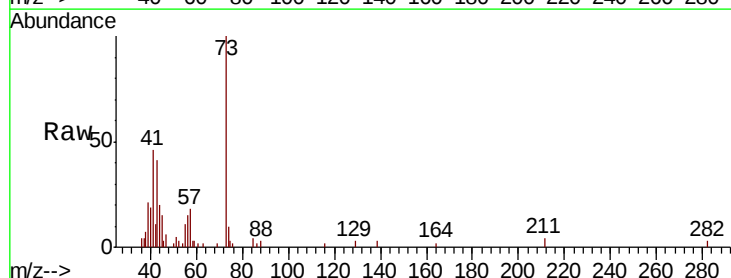
Acq: 24 Oct 2018 18:03

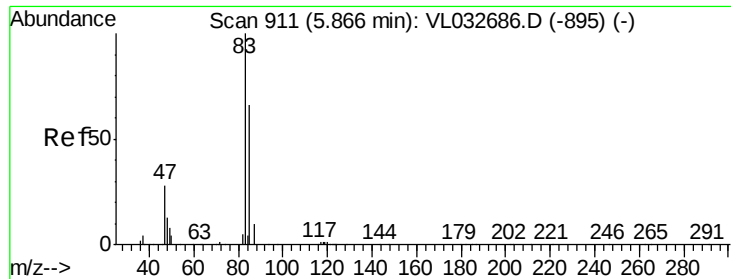
Tgt Ion: 73 Resp: 9304

Ion Ratio Lower Upper

73 100

57 48.0 18.0 27.0#

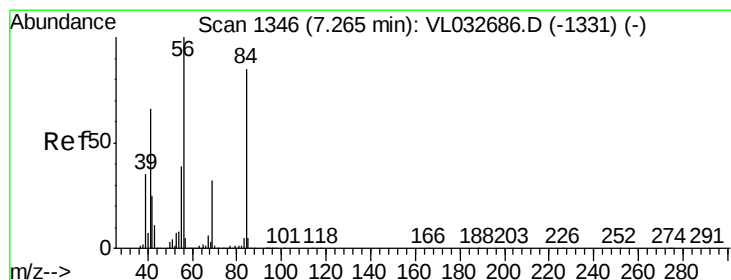
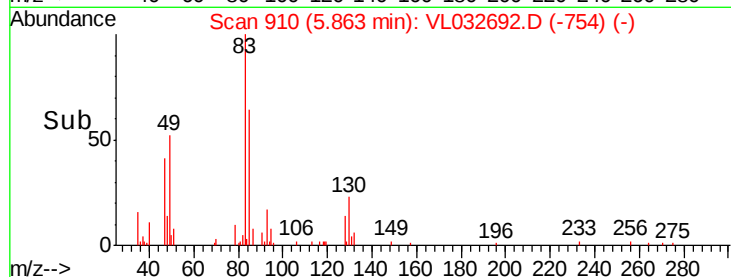
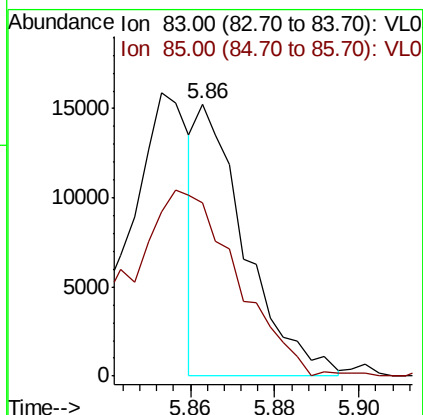
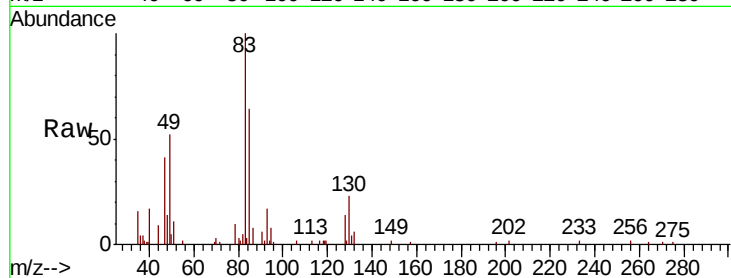




#29
Chloroform
Concen: 0.051 ppbv
RT: 5.86 min Scan# 910
Delta R.T. 0.00 min
Lab File: VL032692.D
Acq: 24 Oct 2018 18:03

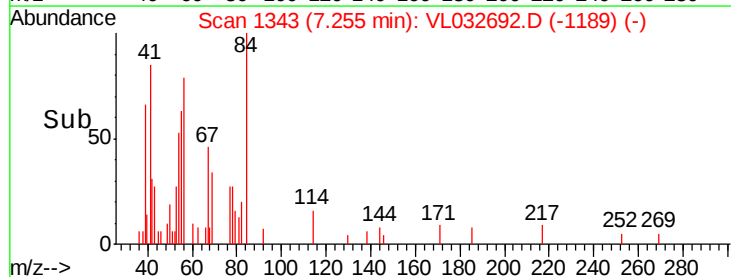
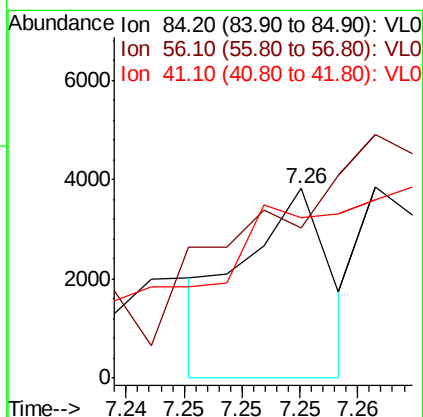
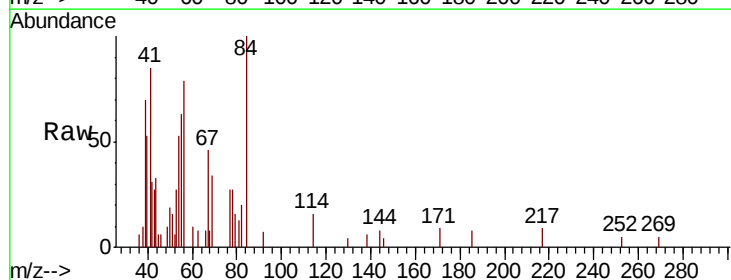
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2018

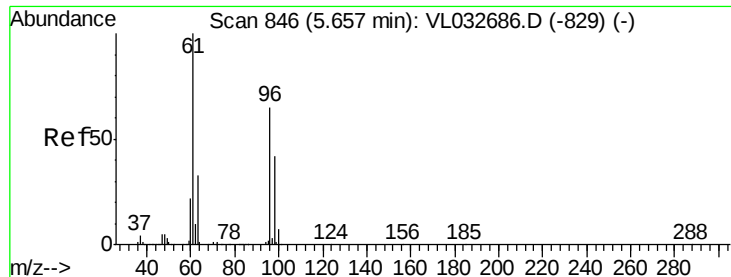
Tgt Ion: 83 Resp: 12178
Ion Ratio Lower Upper
83 100
85 63.6 53.0 79.6



#30
Cyclohexane
Concen: 0.017 ppbv
RT: 7.26 min Scan# 1343
Delta R.T. -0.01 min
Lab File: VL032692.D
Acq: 24 Oct 2018 18:03

Tgt Ion: 84 Resp: 1991
Ion Ratio Lower Upper
84 100
56 0.0 108.3 162.5#
41 0.0 64.8 97.2#



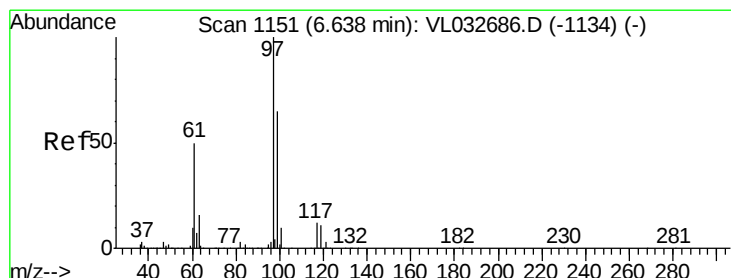
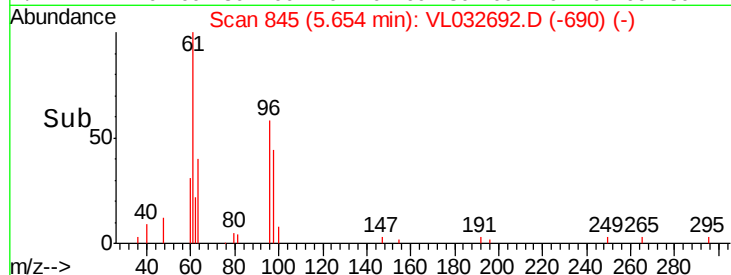
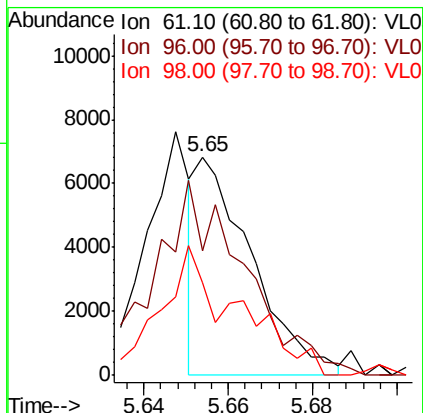
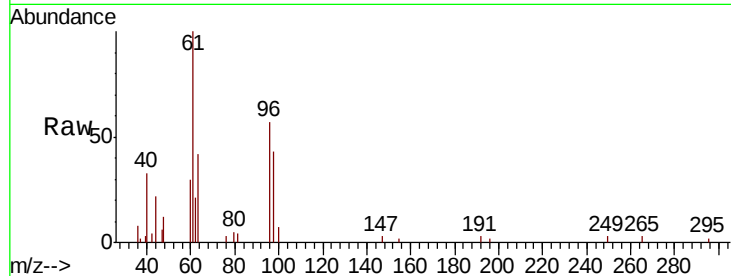


#31

cis-1,2-Dichloroethene
 Concen: 0.045 ppbv
 RT: 5.65 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: VL032692.D
 Acq: 24 Oct 2018 18:03

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2018

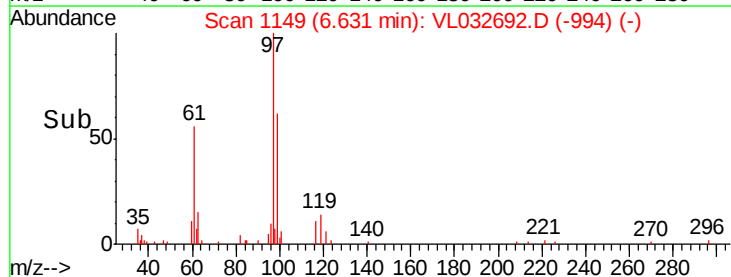
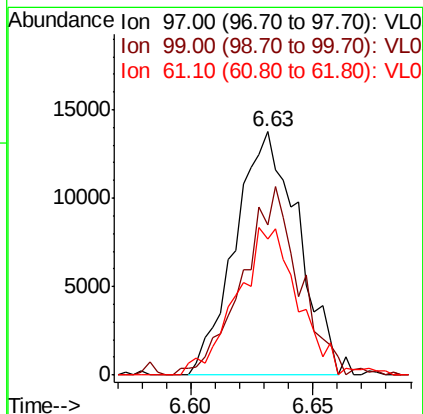
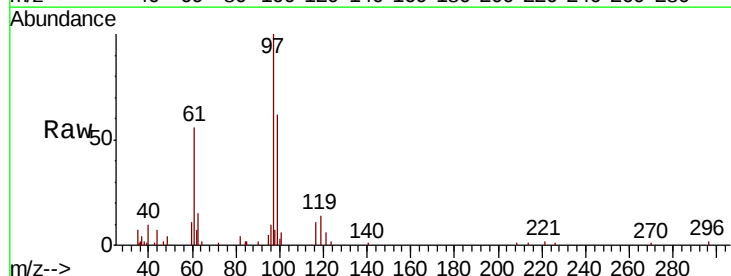
Tgt Ion: 61 Resp: 6196
 Ion Ratio Lower Upper
 61 100
 96 53.4 51.8 77.6
 98 44.5 33.8 50.6

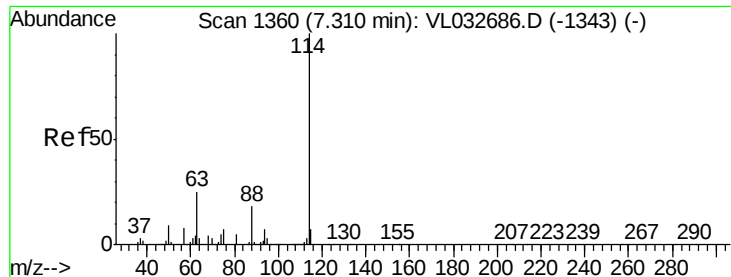


#32

1,1,1-Trichloroethane
 Concen: 0.102 ppbv
 RT: 6.63 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: VL032692.D
 Acq: 24 Oct 2018 18:03

Tgt Ion: 97 Resp: 24631
 Ion Ratio Lower Upper
 97 100
 99 70.8 52.0 78.0
 61 59.4 40.7 61.1

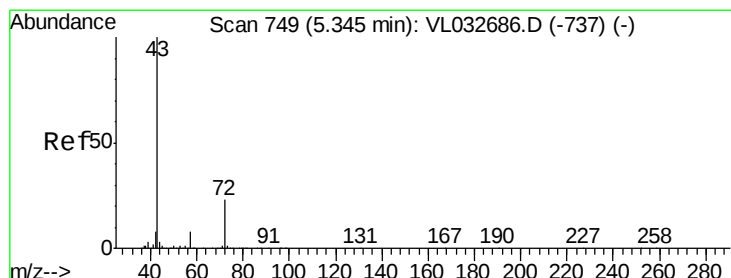
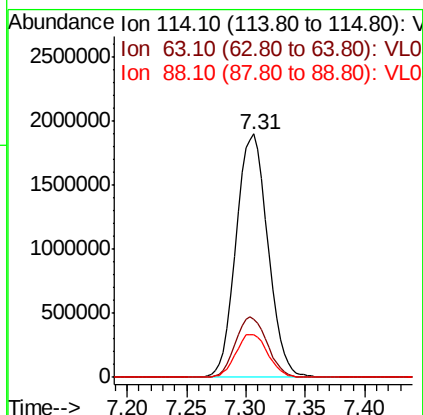
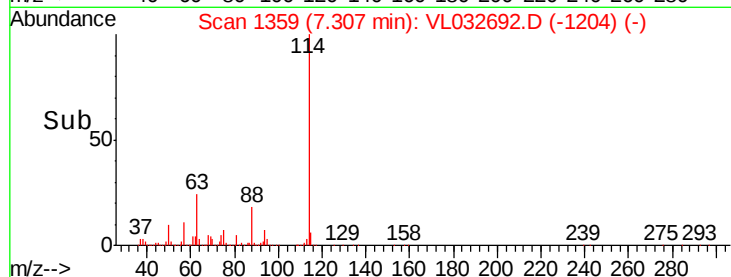
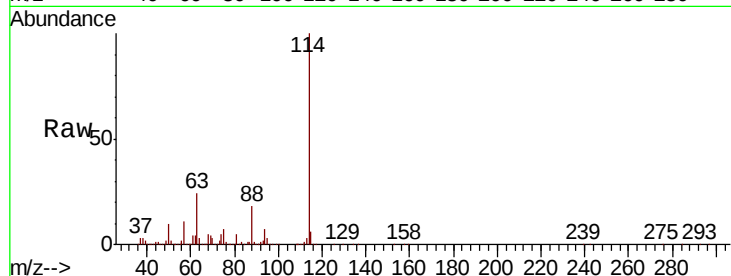




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL032692.D
 Acq: 24 Oct 2018 18:03

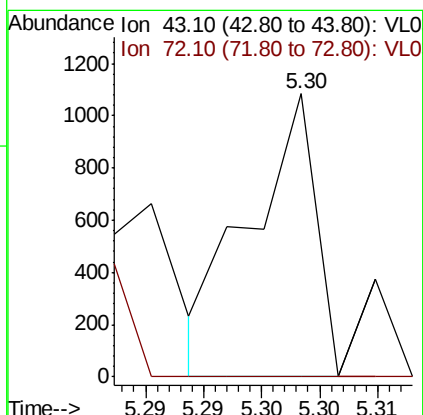
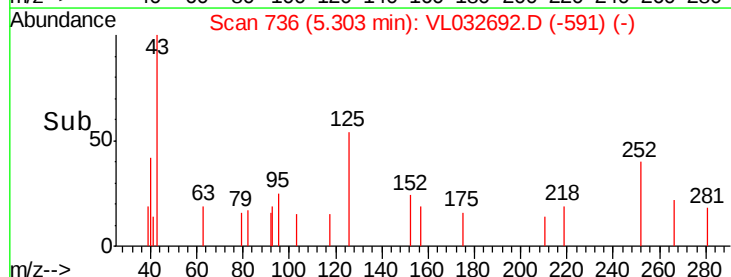
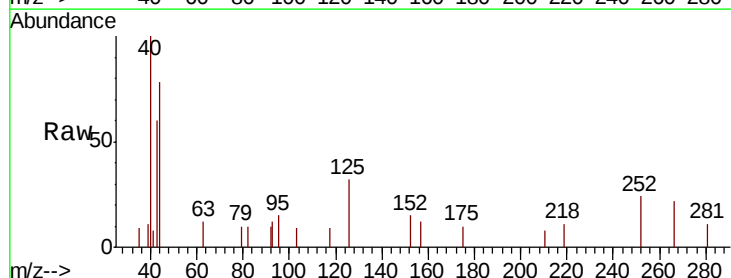
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2018

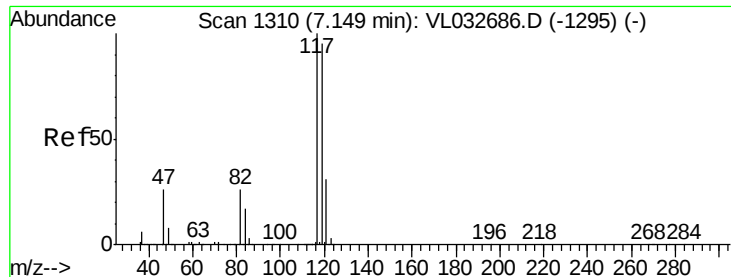
Tgt Ion:114 Resp: 3530022
 Ion Ratio Lower Upper
 114 100
 63 24.9 21.7 32.5
 88 17.9 14.9 22.3



#34
 2-Butanone
 Concen: 0.002 ppbv
 RT: 5.30 min Scan# 736
 Delta R.T. -0.04 min
 Lab File: VL032692.D
 Acq: 24 Oct 2018 18:03

Tgt Ion: 43 Resp: 428
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.6 27.8#

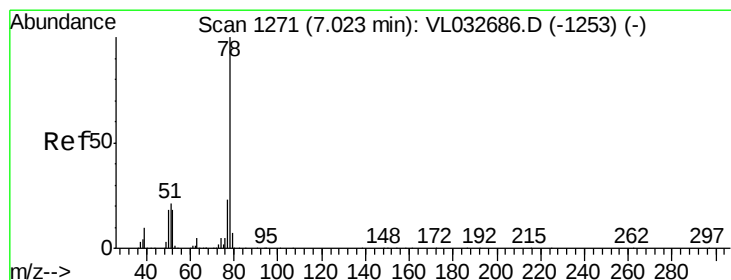
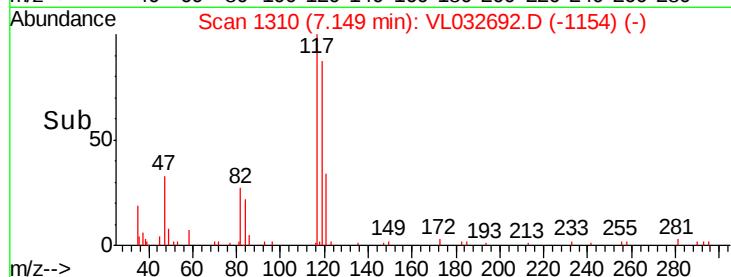
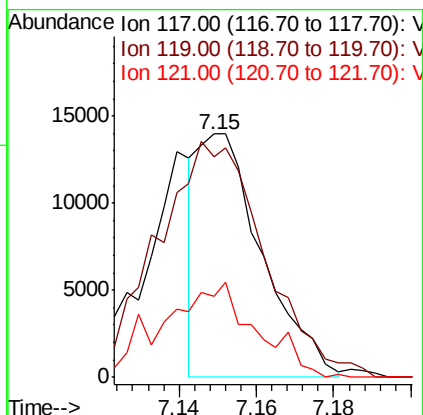
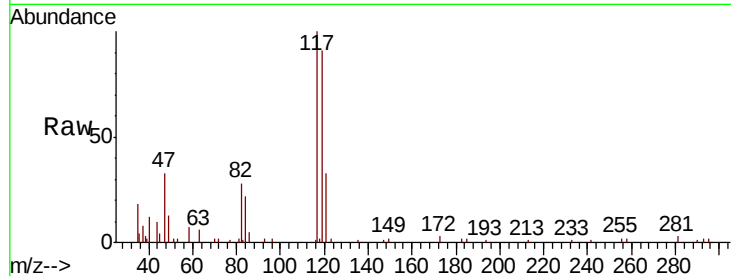




#35
Carbon Tetrachloride
Concen: 0.064 ppbv
RT: 7.15 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VL032692.D
Acq: 24 Oct 2018 18:03

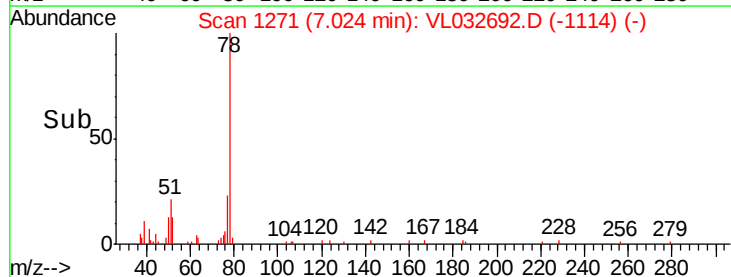
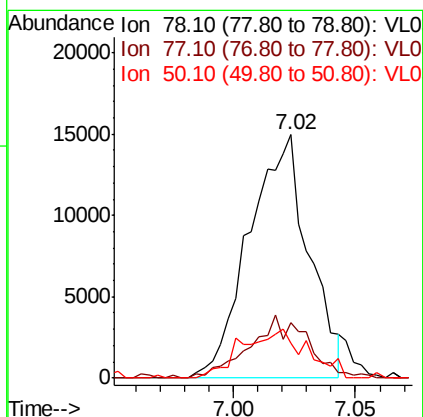
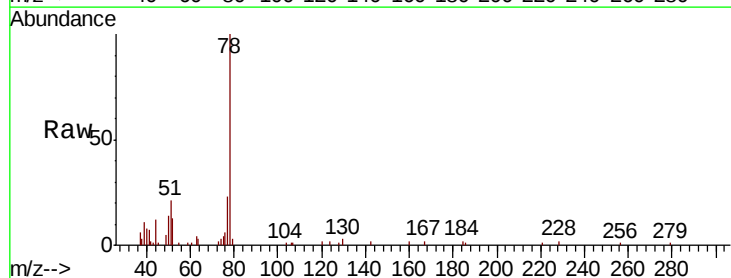
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2018

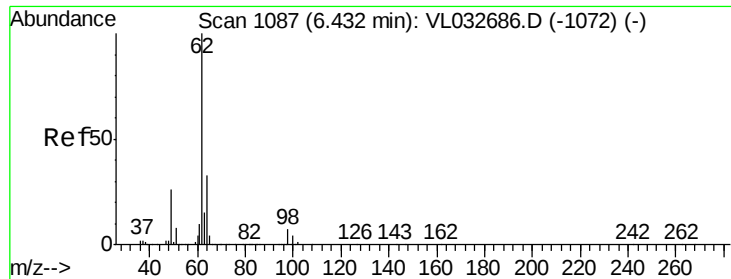
Tgt Ion: 117 Resp: 16054
Ion Ratio Lower Upper
117 100
119 86.8 75.7 113.5
121 32.8 24.7 37.1



#36
Benzene
Concen: 0.088 ppbv
RT: 7.02 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VL032692.D
Acq: 24 Oct 2018 18:03

Tgt Ion: 78 Resp: 25240
Ion Ratio Lower Upper
78 100
77 23.0 18.1 27.1
50 14.3 15.1 22.7#

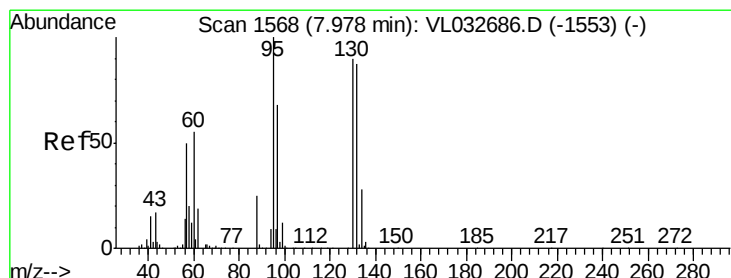
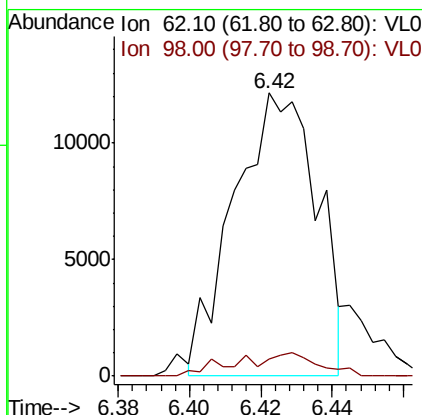
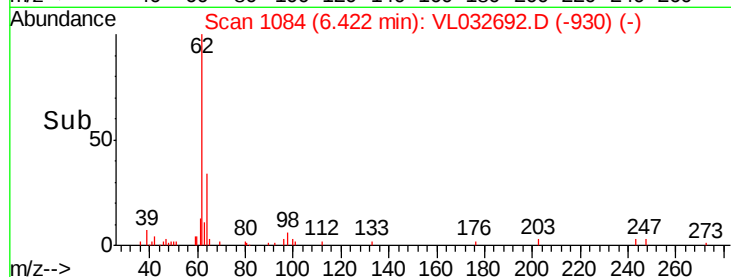
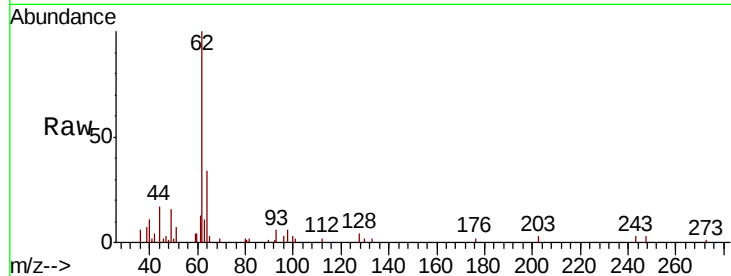




#37
 1,2-Dichloroethane
 Concen: 0.111 ppbv
 RT: 6.42 min Scan# 1084
 Delta R.T. -0.01 min
 Lab File: VL032692.D
 Acq: 24 Oct 2018 18:03

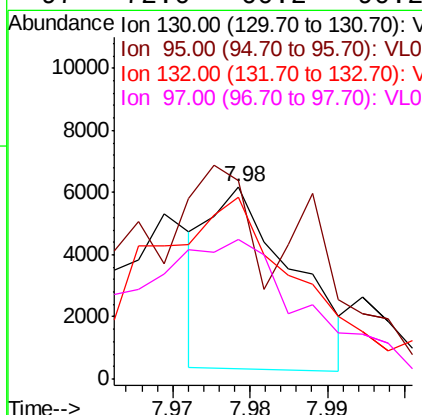
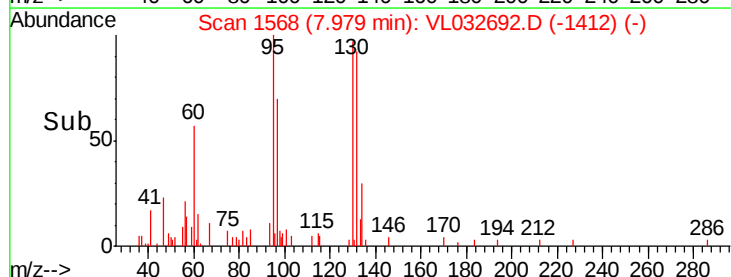
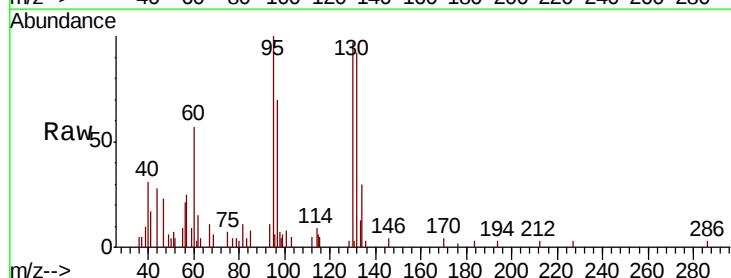
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2018

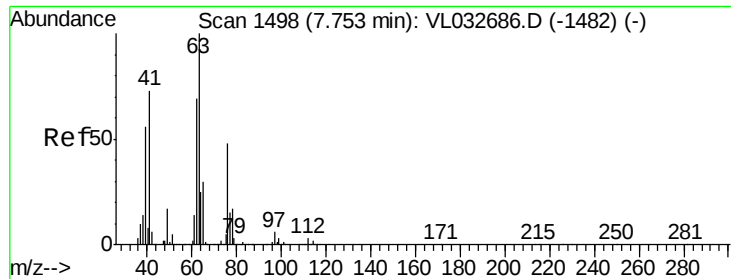
Tgt Ion: 62 Resp: 19589
 Ion Ratio Lower Upper
 62 100
 98 8.1 4.4 6.6#



#38
 Trichloroethene
 Concen: 0.042 ppbv
 RT: 7.98 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VL032692.D
 Acq: 24 Oct 2018 18:03

Tgt Ion: 130 Resp: 4434
 Ion Ratio Lower Upper
 130 100
 95 92.7 93.4 140.0#
 132 92.7 76.5 114.7
 97 72.0 60.2 90.2





#39

1,2-Dichloropropane

Concen: 0.084 ppbv

RT: 7.75 min Scan# 1498

Delta R.T. 0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2018

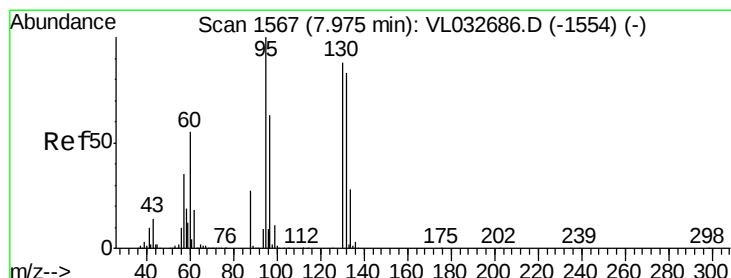
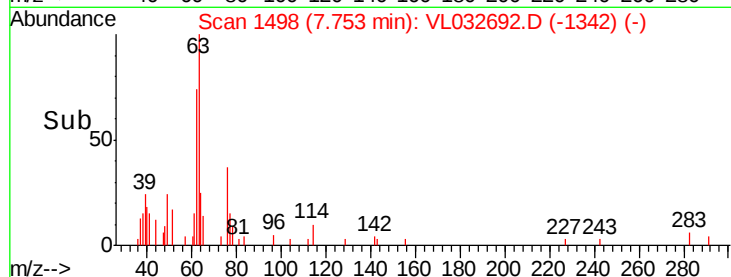
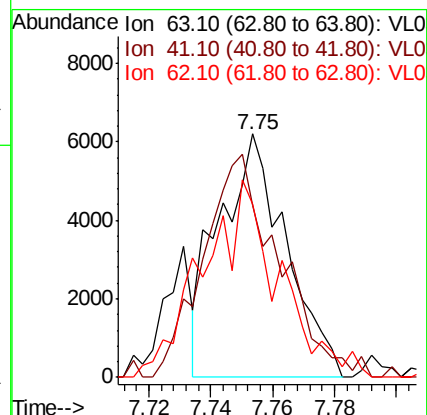
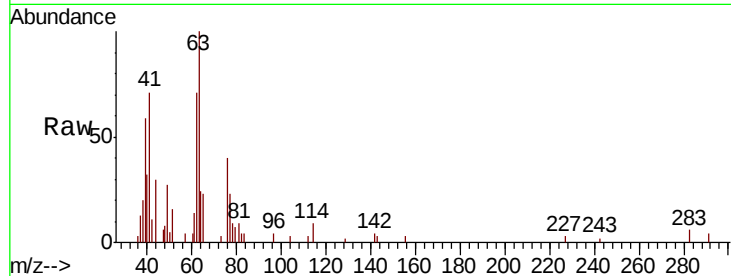
Tgt Ion: 63 Resp: 9349

Ion Ratio Lower Upper

63 100

41 50.5 56.2 84.4#

62 53.9 54.4 81.6#



#40

1,4-Dioxane

Concen: 0.002 ppbv

RT: 7.96 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Tgt Ion: 88 Resp: 82

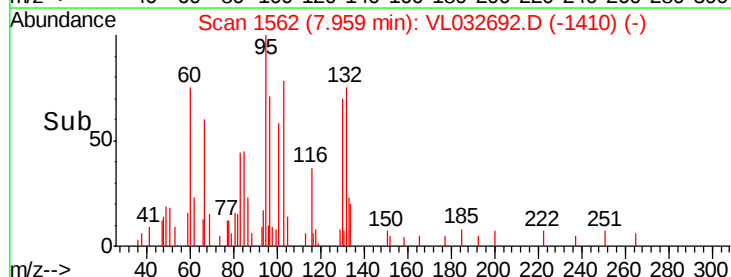
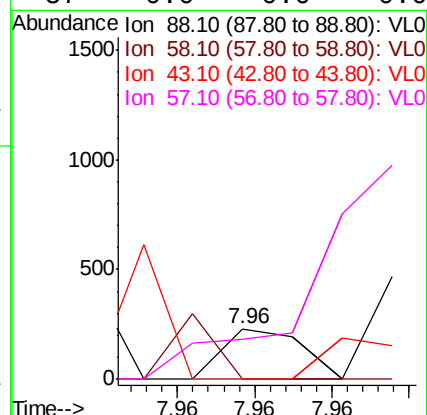
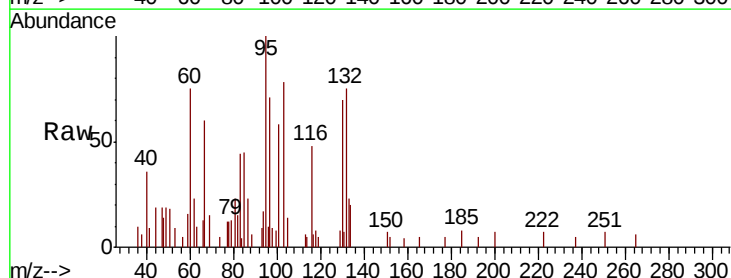
Ion Ratio Lower Upper

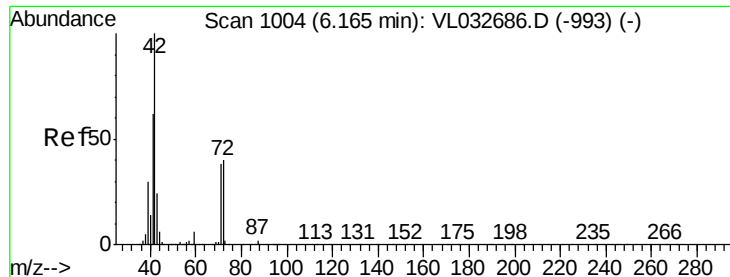
88 100

58 0.0 104.0 156.0#

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.001 ppbv

RT: 6.15 min Scan# 998

Delta R.T. -0.02 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2018

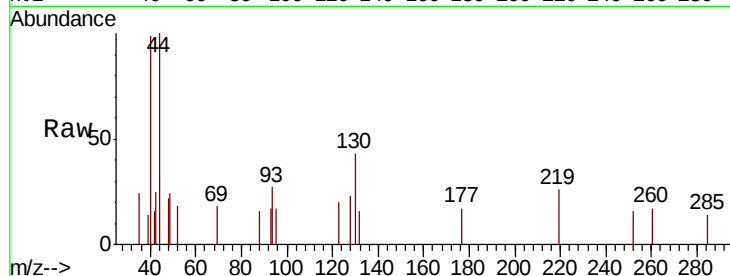
Tgt Ion: 42 Resp: 90

Ion Ratio Lower Upper

42 100

72 0.0 32.4 48.6#

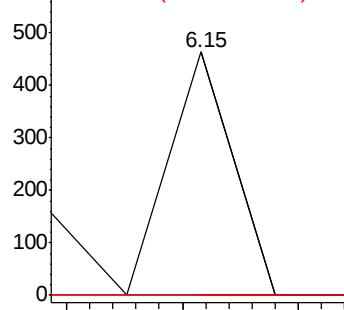
71 0.0 31.3 46.9#



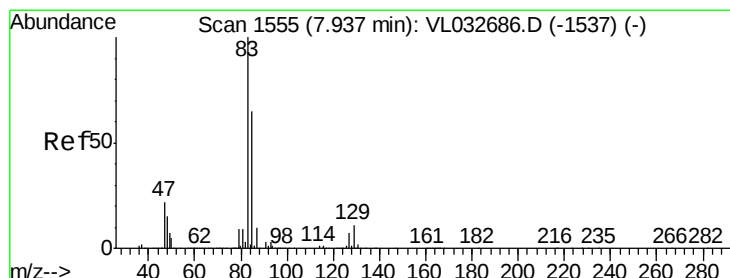
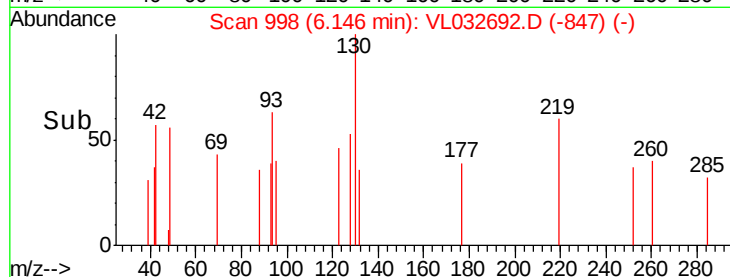
Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



Time-->



#42

Bromodichloromethane

Concen: 0.067 ppbv

RT: 7.93 min Scan# 1554

Delta R.T. 0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

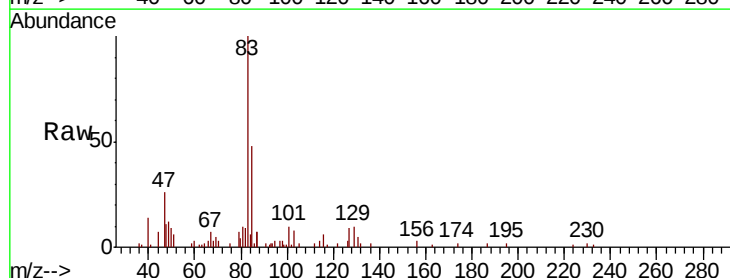
Tgt Ion: 83 Resp: 16607

Ion Ratio Lower Upper

83 100

85 31.1 52.4 78.6#

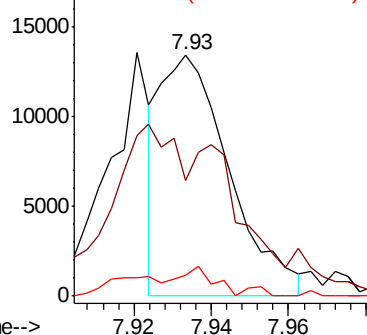
127 9.7 6.1 9.1#



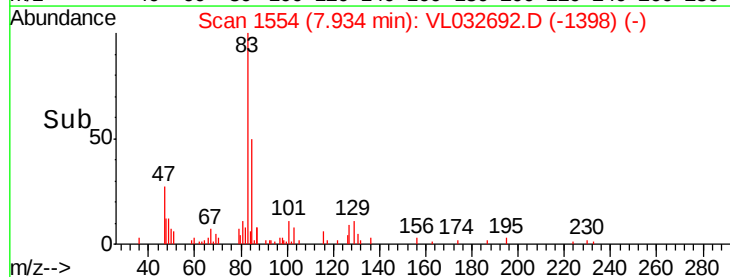
Abundance Ion 83.00 (82.70 to 83.70): VL0

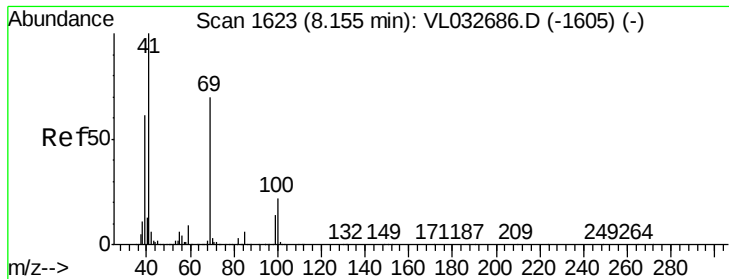
Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V



Time-->

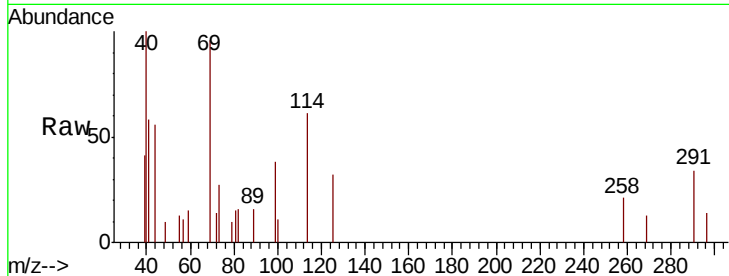




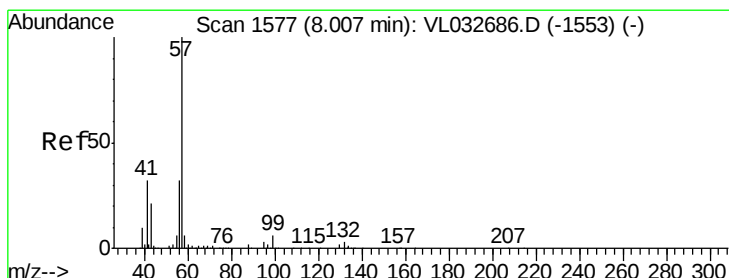
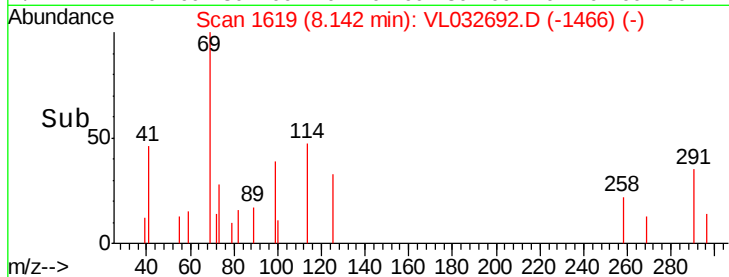
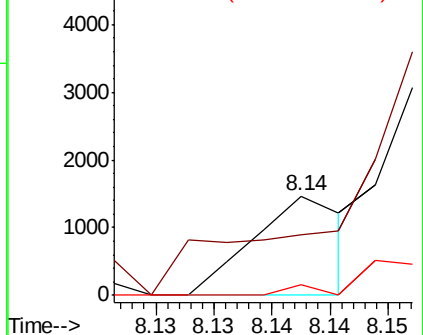
#43
Methyl Methacrylate
Concen: 0.008 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. -0.01 min
Lab File: VL032692.D
Acq: 24 Oct 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2018

Tgt Ion: 69 Resp: 804
Ion Ratio Lower Upper
69 100
41 0.0 113.2 169.8#
100 0.0 24.4 36.6#

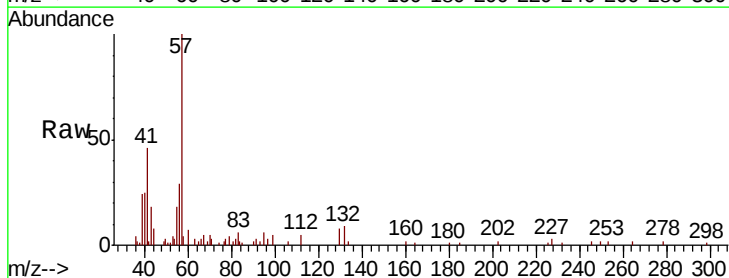


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

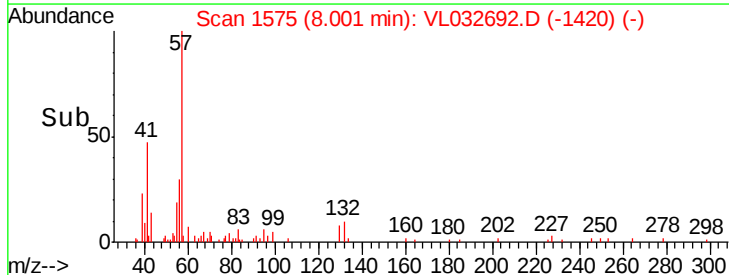
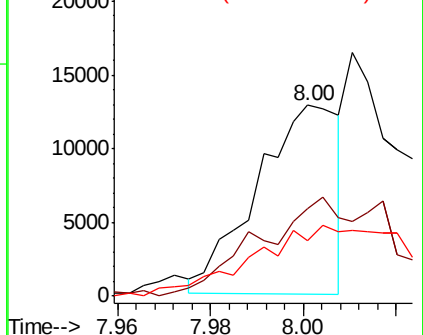


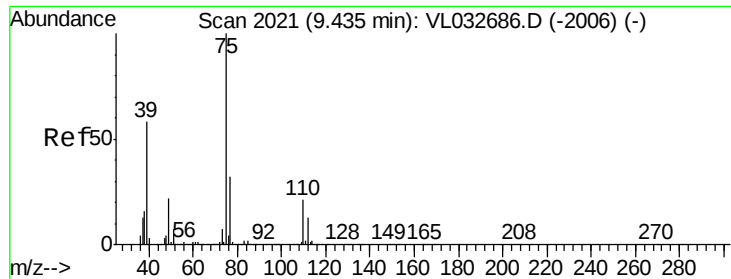
#44
2,2,4-Trimethylpentane
Concen: 0.032 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032692.D
Acq: 24 Oct 2018 18:03

Tgt Ion: 57 Resp: 15894
Ion Ratio Lower Upper
57 100
41 91.3 24.7 37.1#
56 79.8 25.0 37.4#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 0.018 ppbv

RT: 9.43 min Scan# 2020

Delta R.T. 0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

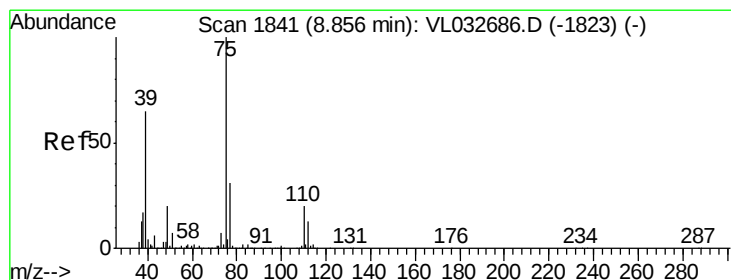
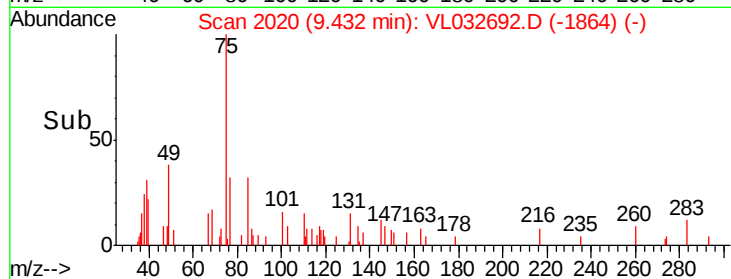
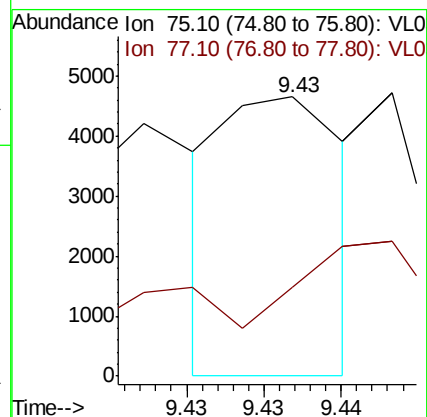
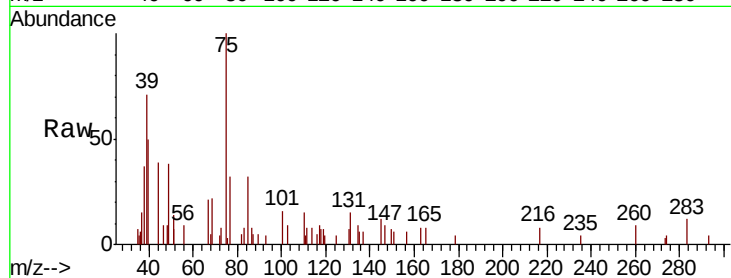
LOD-MDL-AIR-01-QT4-2018

Tgt Ion: 75 Resp: 2522

Ion Ratio Lower Upper

75 100

77 30.9 25.3 37.9



#46

cis-1,3-Dichloropropene

Concen: 0.033 ppbv

RT: 8.85 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

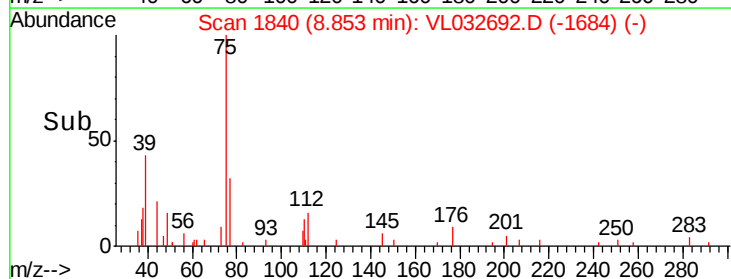
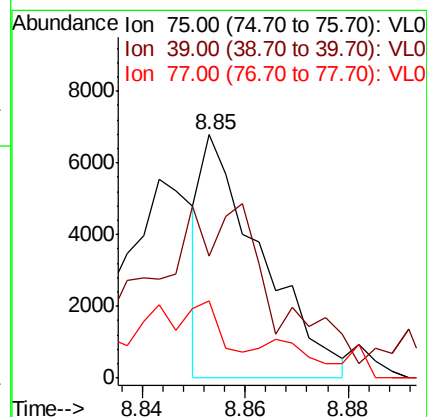
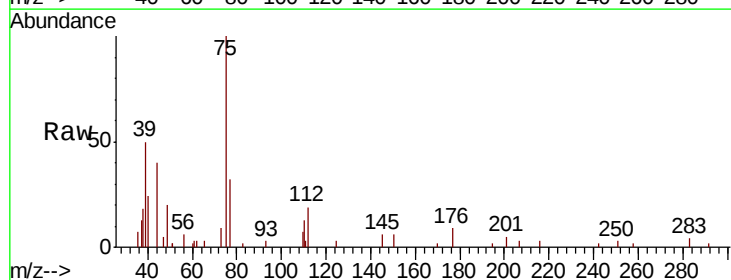
Tgt Ion: 75 Resp: 5367

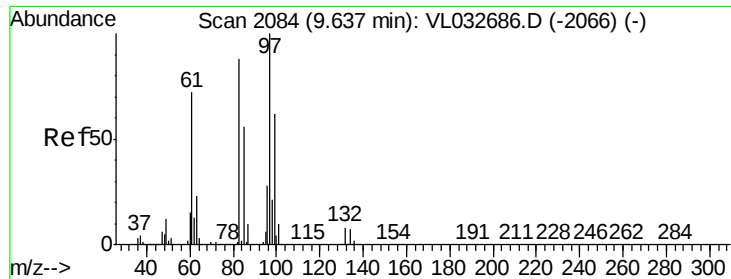
Ion Ratio Lower Upper

75 100

39 34.9 50.9 76.3#

77 28.0 25.8 38.6





#47

1,1,2-Trichloroethane

Concen: 0.063 ppbv

RT: 9.63 min Scan# 2081

Delta R.T. -0.01 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2018

Tgt Ion: 97 Resp: 8264

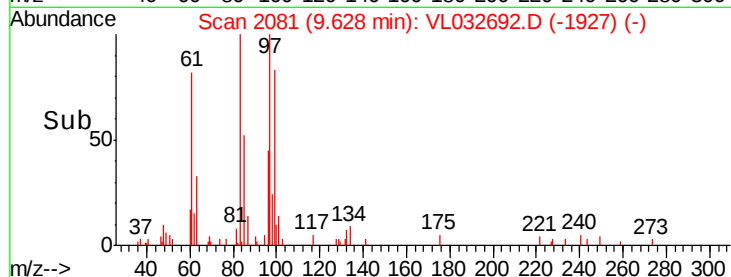
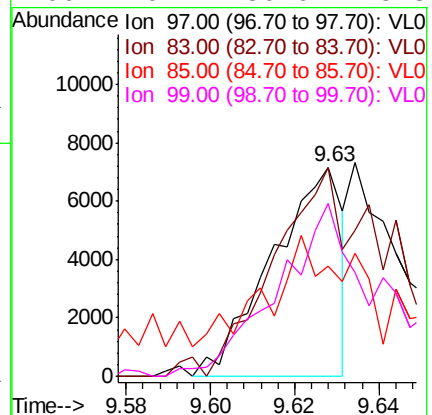
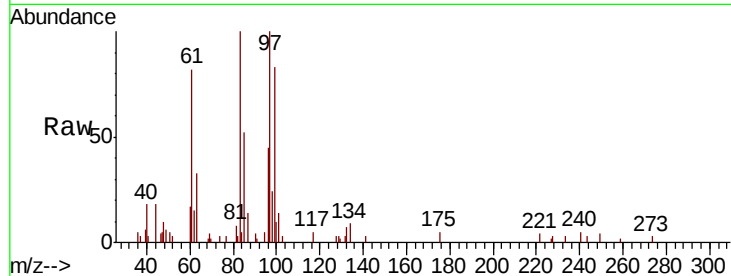
Ion Ratio Lower Upper

97 100

83 91.1 73.5 110.3

85 38.2 45.8 68.6#

99 79.2 50.6 75.8#



#48

Dibromochloromethane

Concen: 0.062 ppbv

RT: 10.46 min Scan# 2341

Delta R.T. -0.01 min

Lab File: VL032692.D

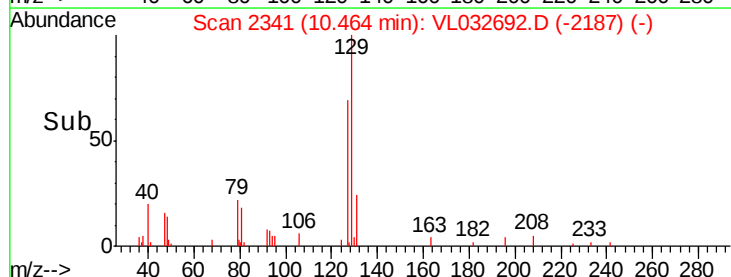
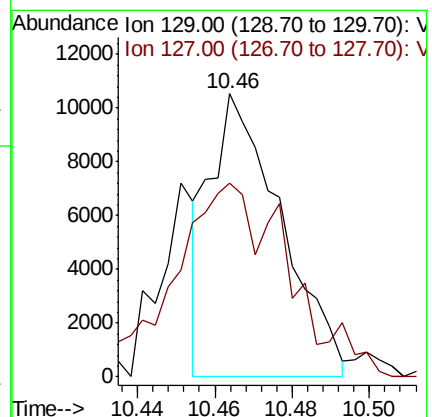
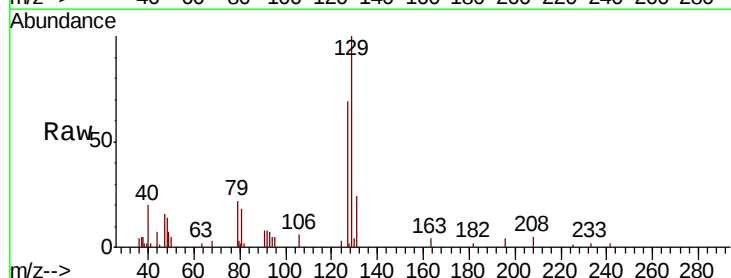
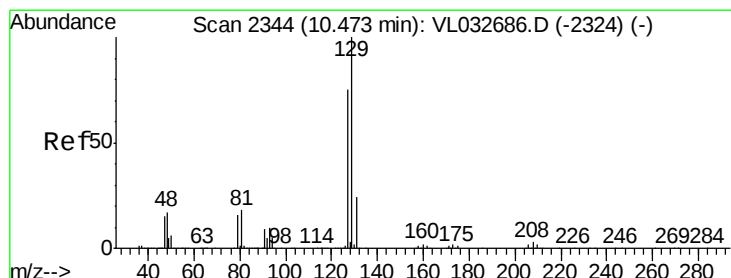
Acq: 24 Oct 2018 18:03

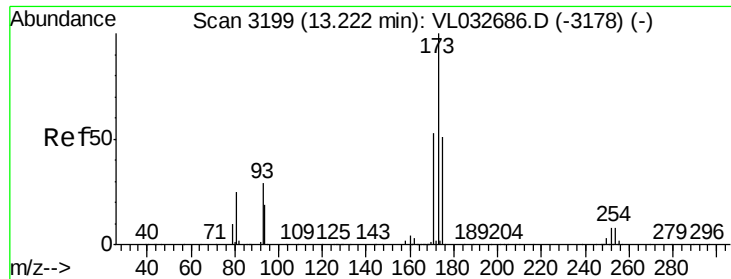
Tgt Ion: 129 Resp: 13430

Ion Ratio Lower Upper

129 100

127 110.3 39.1 117.5





#49

Bromoform

Concen: 0.076 ppbv

RT: 13.22 min Scan# 3198

Delta R.T. 0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2018

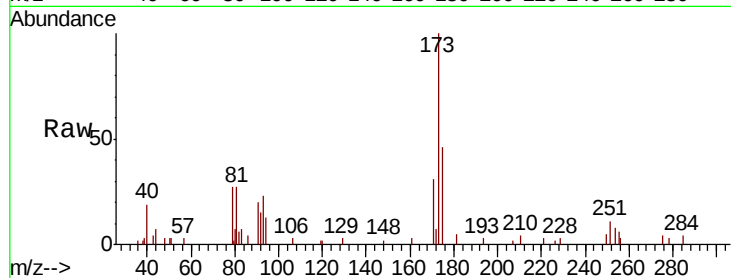
Tgt Ion: 173 Resp: 13051

Ion Ratio Lower Upper

173 100

175 52.3 39.0 58.4

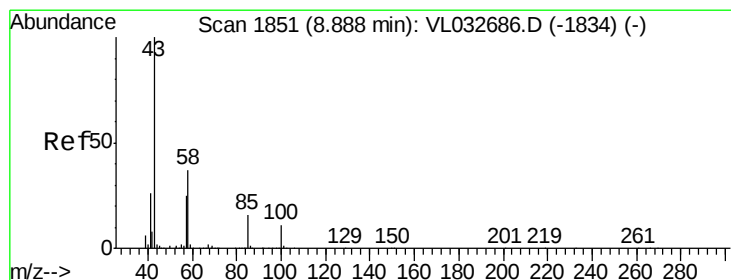
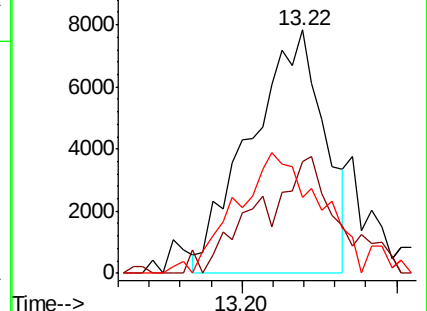
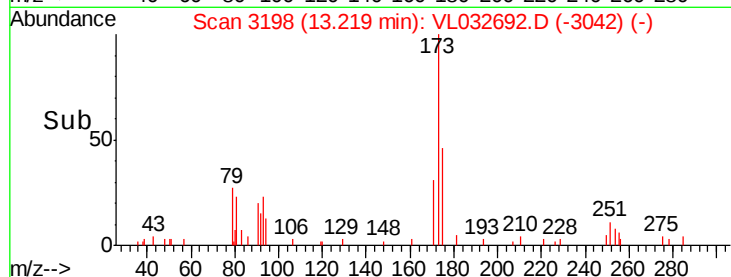
171 59.1 42.2 63.2



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.001 ppbv

RT: 8.87 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VL032692.D

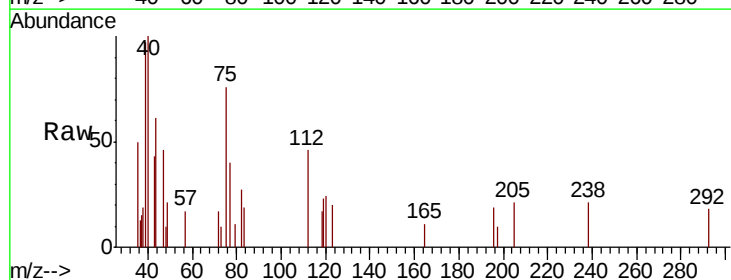
Acq: 24 Oct 2018 18:03

Tgt Ion: 43 Resp: 298

Ion Ratio Lower Upper

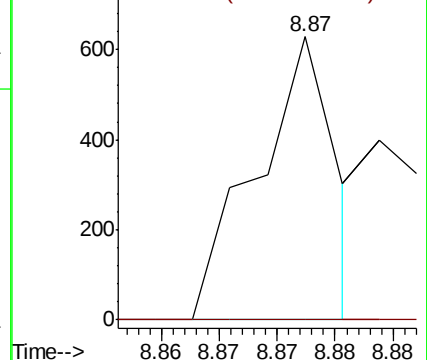
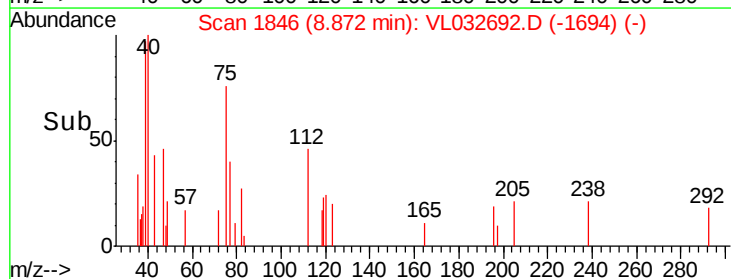
43 100

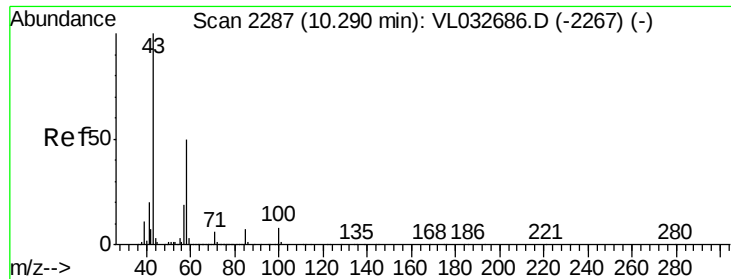
58 0.0 29.7 44.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.002 ppbv

RT: 10.29 min Scan# 2287

Delta R.T. 0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2018

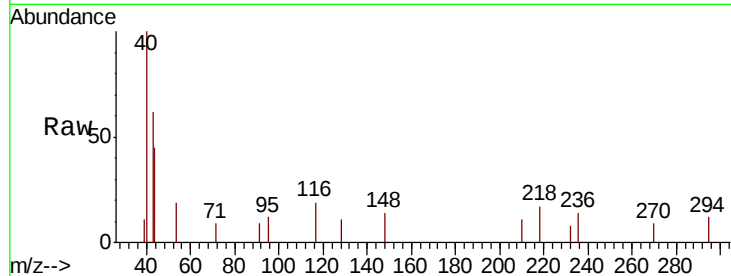
Tgt Ion: 43 Resp: 354

Ion Ratio Lower Upper

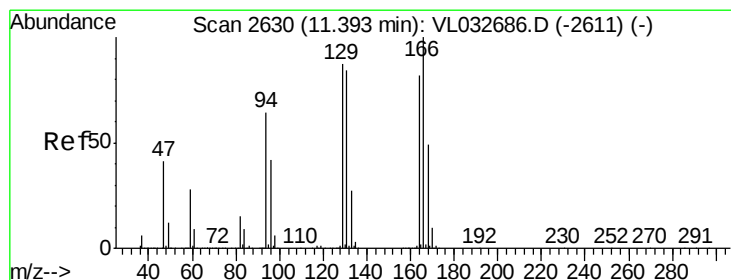
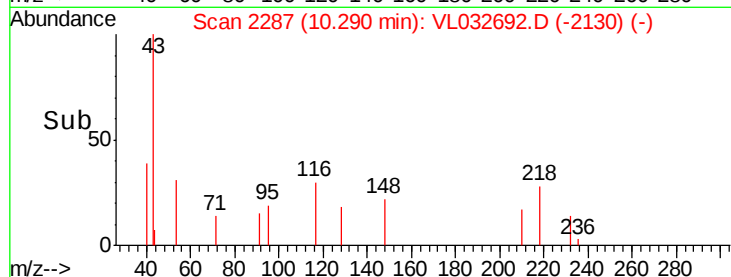
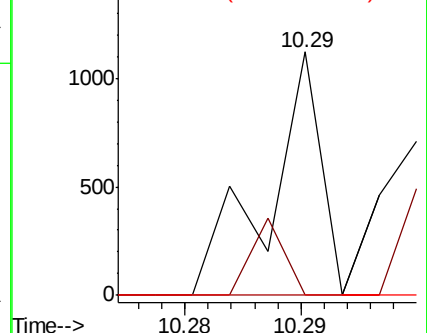
43 100

58 0.0 40.4 60.6#

98 21.8 0.4 0.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.067 ppbv

RT: 11.39 min Scan# 2628

Delta R.T. -0.01 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Tgt Ion: 164 Resp: 6693

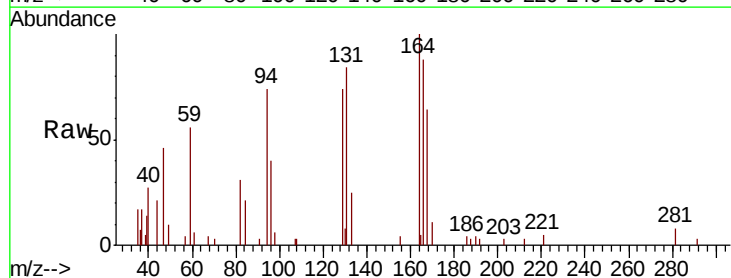
Ion Ratio Lower Upper

164 100

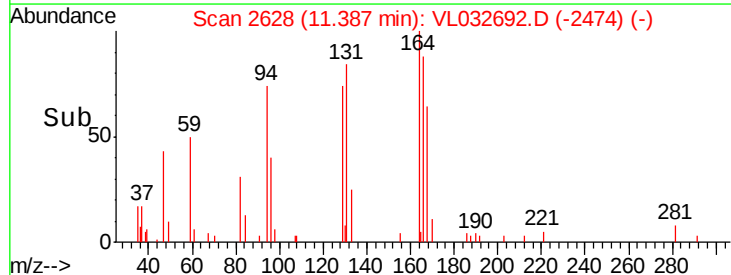
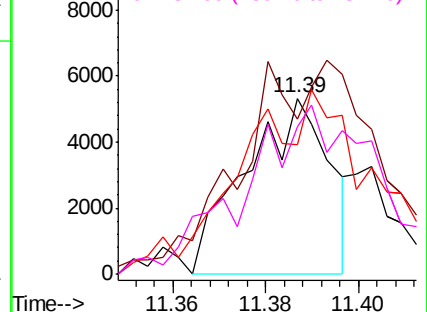
166 69.4 100.5 150.7#

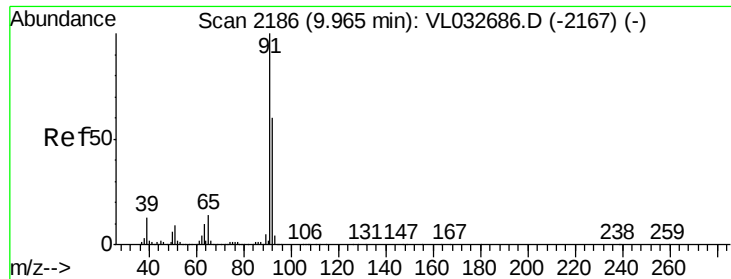
129 52.1 90.0 135.0#

131 50.9 86.6 129.8#



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.021 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

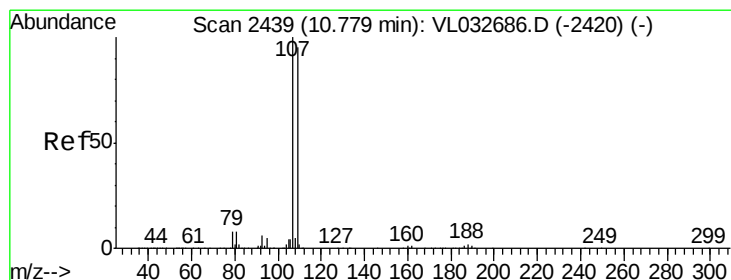
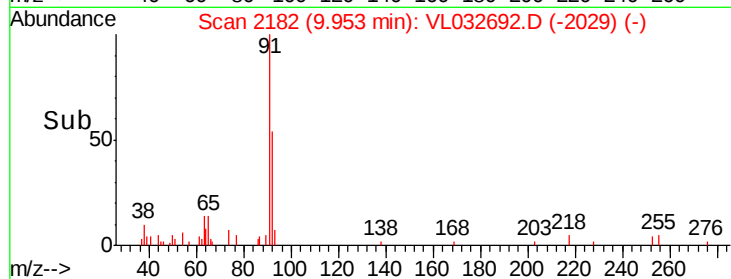
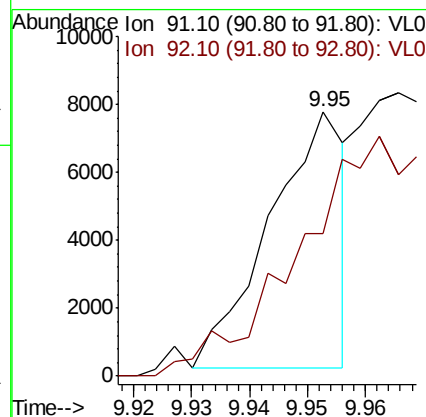
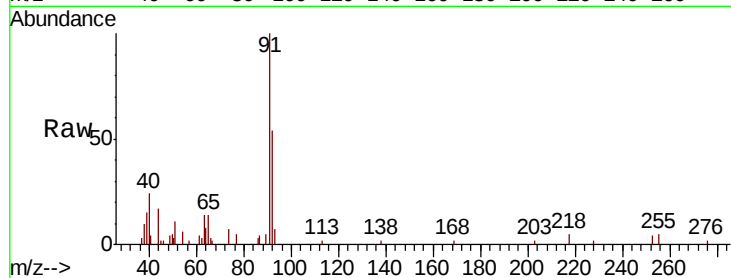
LOD-MDL-AIR-01-QT4-2018

Tgt Ion: 91 Resp: 6804

Ion Ratio Lower Upper

91 100

92 0.0 48.4 72.6#



#54

1,2-Dibromoethane

Concen: 0.001 ppbv

RT: 10.82 min Scan# 2451

Delta R.T. 0.04 min

Lab File: VL032692.D

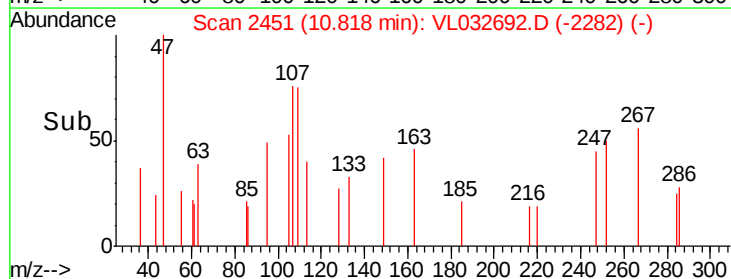
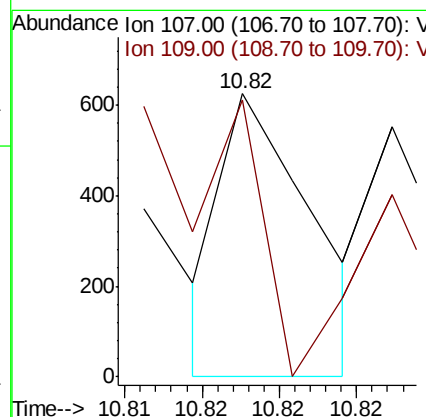
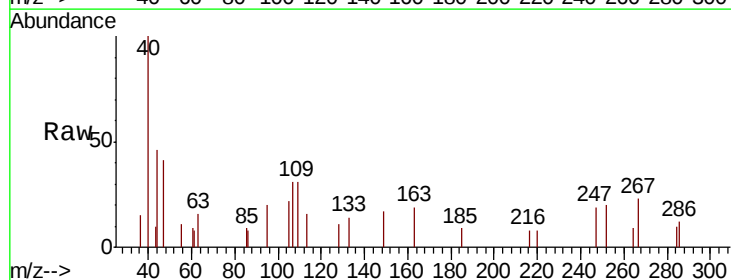
Acq: 24 Oct 2018 18:03

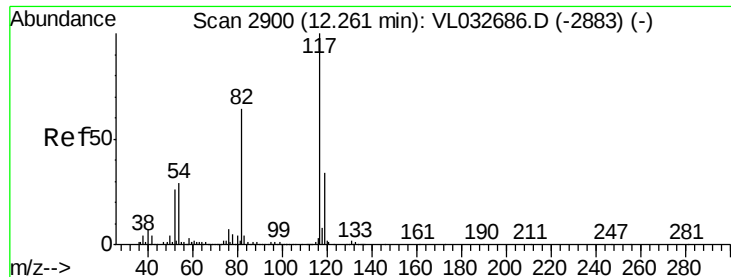
Tgt Ion: 107 Resp: 253

Ion Ratio Lower Upper

107 100

109 104.8 75.3 112.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2018

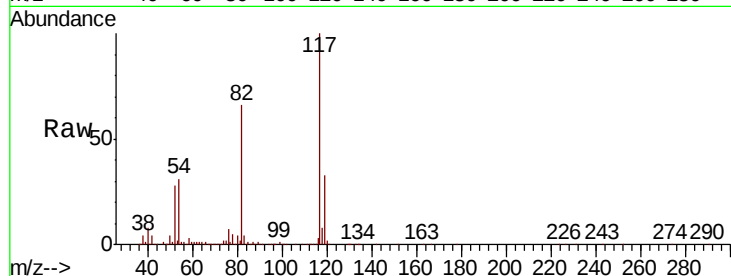
Tgt Ion:117 Resp: 3489436

Ion Ratio Lower Upper

117 100

82 64.1 52.7 79.1

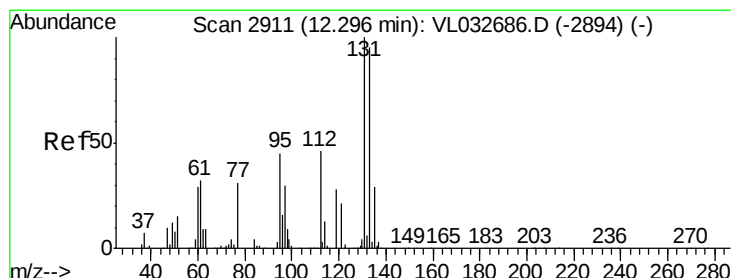
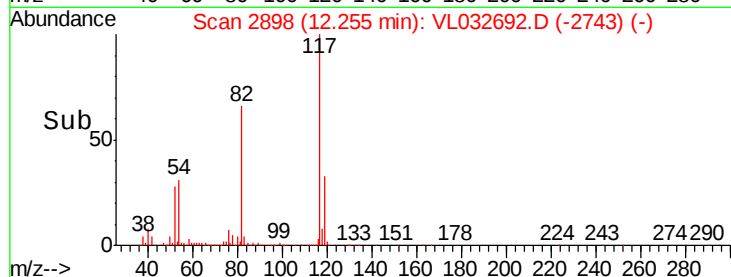
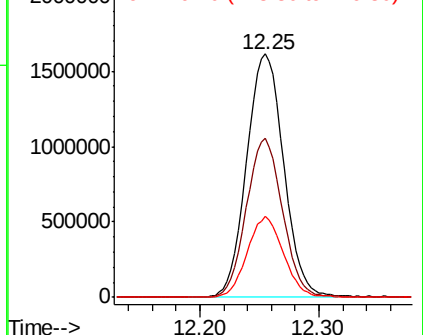
119 32.6 26.7 40.1



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.105 ppbv

RT: 12.29 min Scan# 2909

Delta R.T. -0.01 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

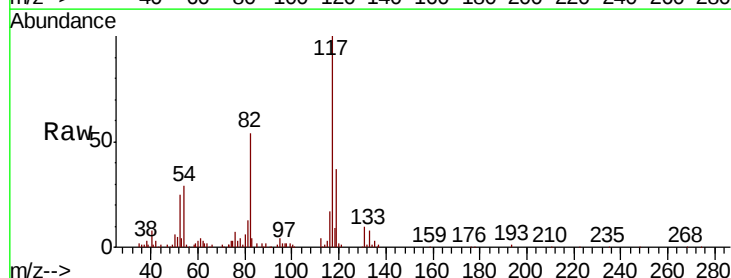
Tgt Ion:131 Resp: 16093

Ion Ratio Lower Upper

131 100

133 106.5 75.4 113.2

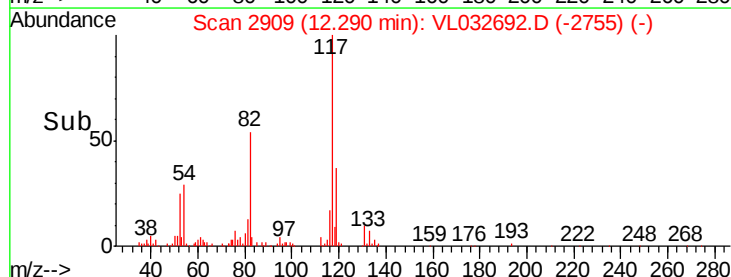
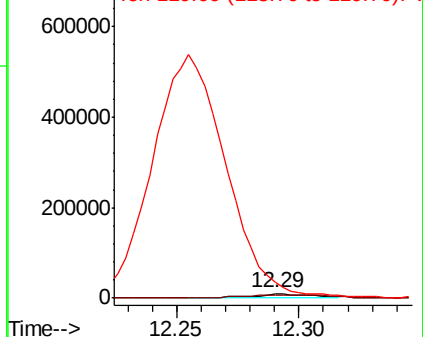
119 7094.9 49.1 73.7#

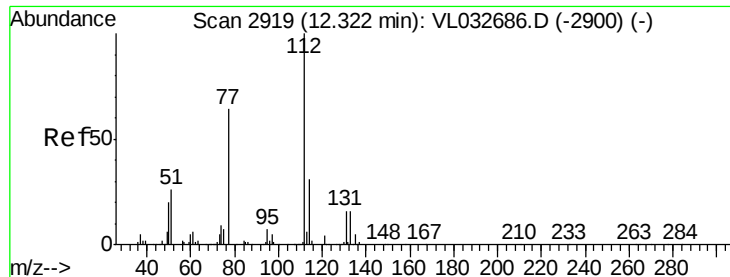


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

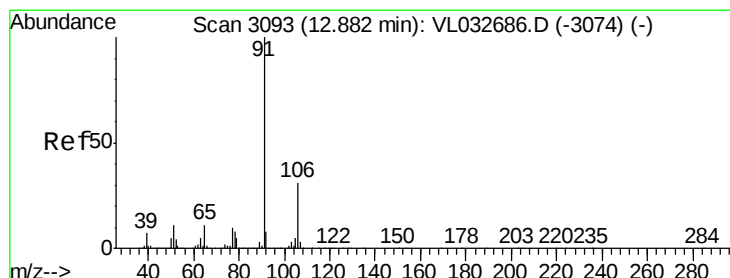
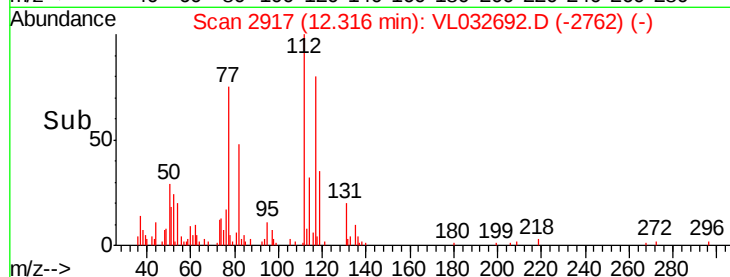
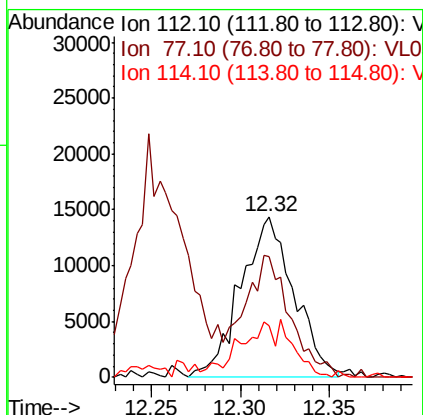
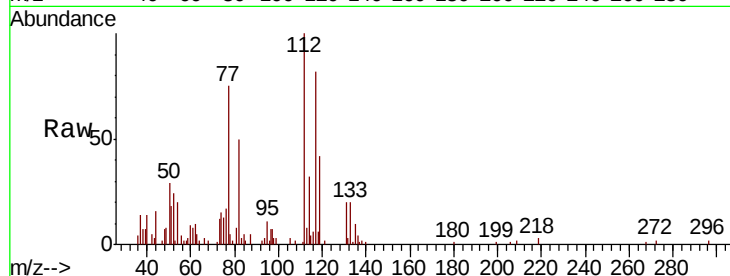




#57
Chlorobenzene
Concen: 0.117 ppbv
RT: 12.32 min Scan# 2917
Delta R.T. -0.00 min
Lab File: VL032692.D
Acq: 24 Oct 2018 18:03

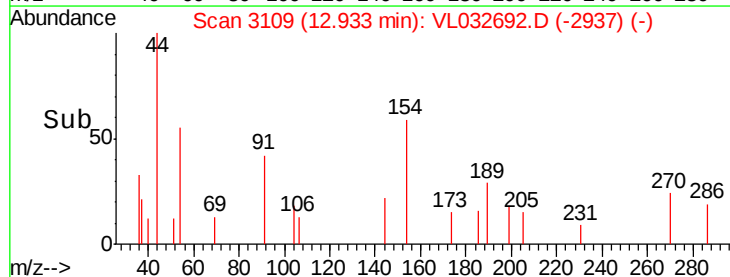
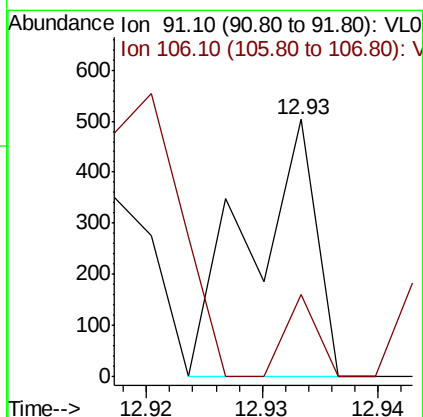
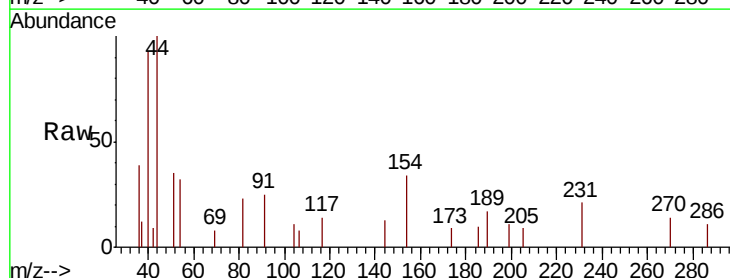
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2018

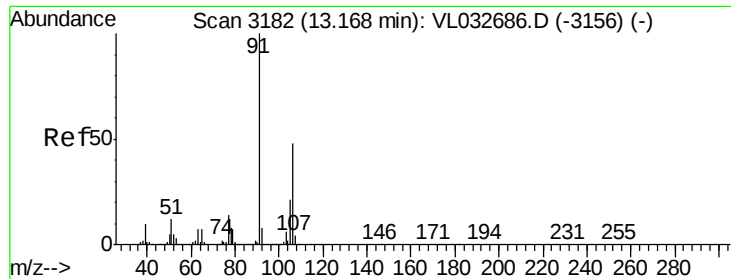
Tgt Ion: 112 Resp: 29994
Ion Ratio Lower Upper
112 100
77 74.6 56.8 85.2
114 28.6 30.3 37.1#



#58
Ethyl Benzene
Concen: 0.000 ppbv
RT: 12.93 min Scan# 3109
Delta R.T. 0.05 min
Lab File: VL032692.D
Acq: 24 Oct 2018 18:03

Tgt Ion: 91 Resp: 200
Ion Ratio Lower Upper
91 100
106 31.8 24.2 36.2

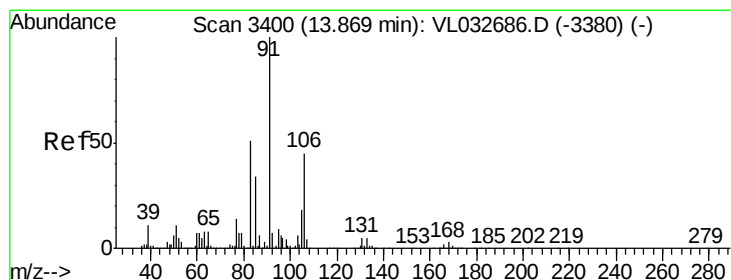
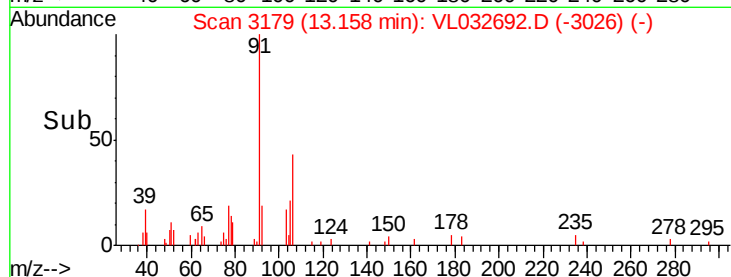
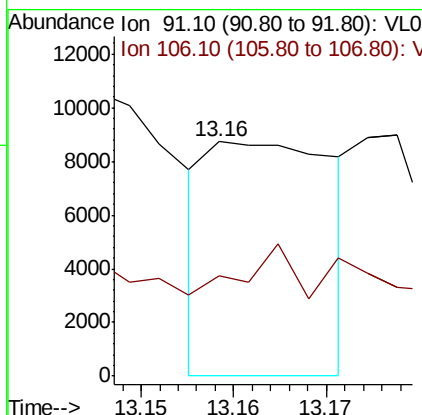
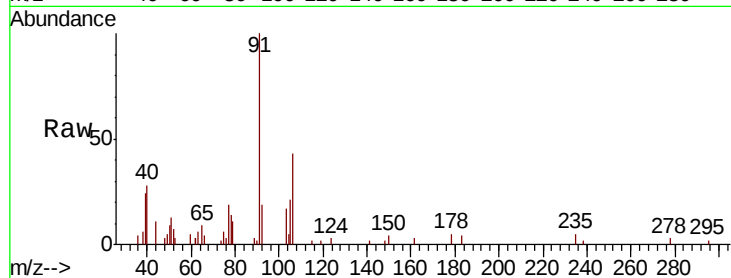




#59
m/p-Xylene
Concen: 0.023 ppbv
RT: 13.16 min Scan# 3179
Delta R.T. -0.01 min
Lab File: VL032692.D
Acq: 24 Oct 2018 18:03

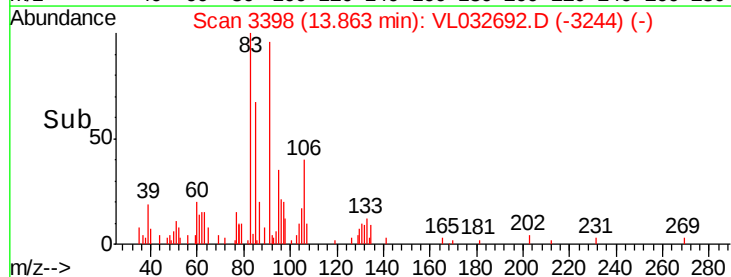
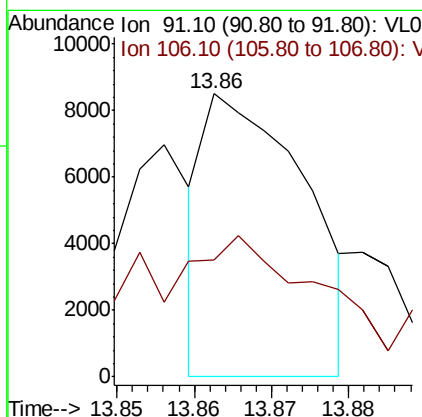
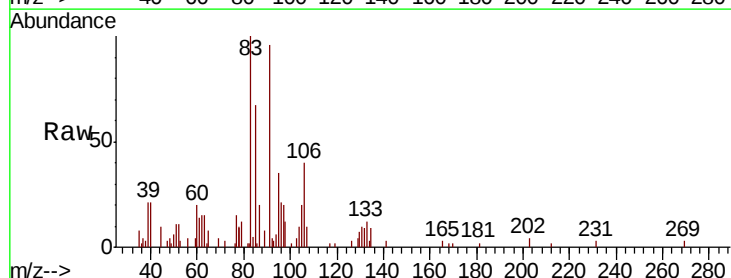
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2018

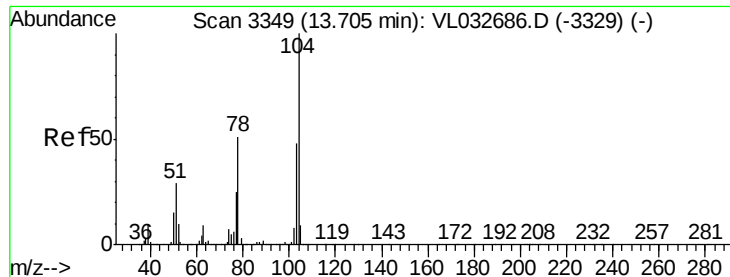
Tgt Ion: 91 Resp: 8168
Ion Ratio Lower Upper
91 100
106 92.6 35.9 53.9#



#60
o-Xylene
Concen: 0.022 ppbv
RT: 13.86 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL032692.D
Acq: 24 Oct 2018 18:03

Tgt Ion: 91 Resp: 7708
Ion Ratio Lower Upper
91 100
106 116.5 22.1 66.1#





#61

Styrene

Concen: 0.029 ppbv

RT: 13.70 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2018

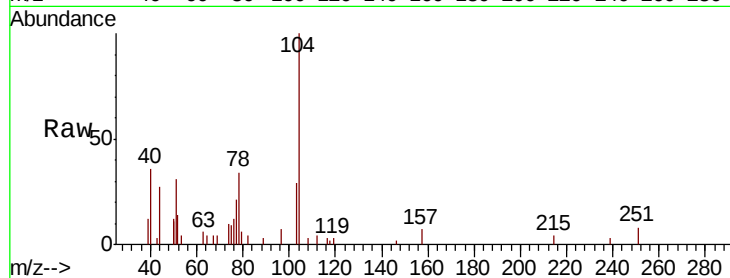
Tgt Ion:104 Resp: 6746

Ion Ratio Lower Upper

104 100

78 91.7 42.8 64.2#

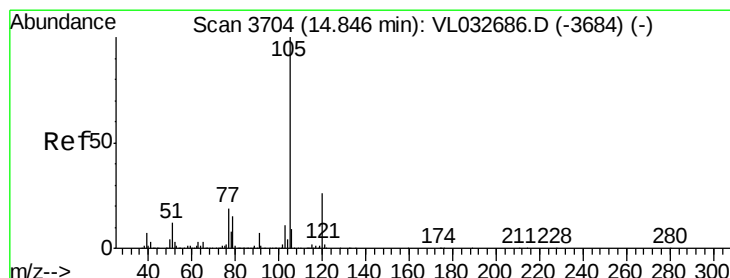
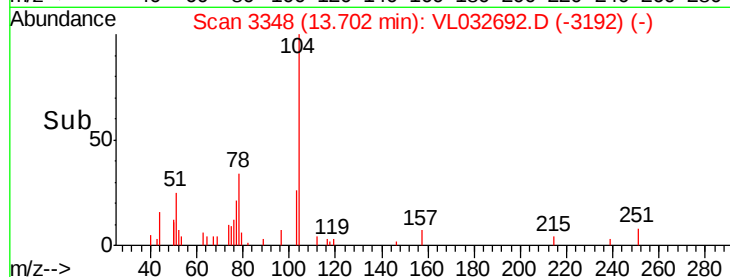
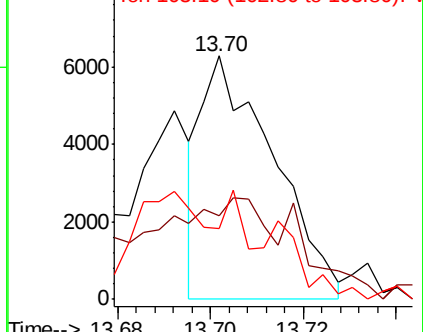
103 87.4 37.4 56.0#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.069 ppbv

RT: 14.84 min Scan# 3702

Delta R.T. -0.00 min

Lab File: VL032692.D

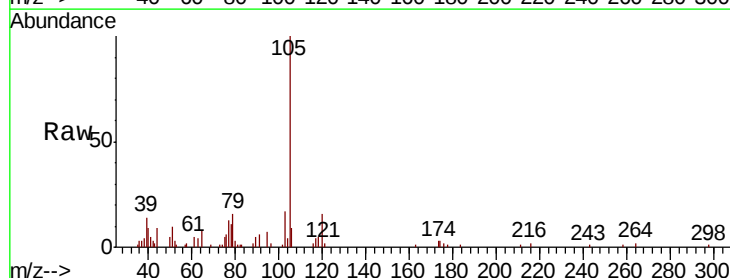
Acq: 24 Oct 2018 18:03

Tgt Ion:105 Resp: 33912

Ion Ratio Lower Upper

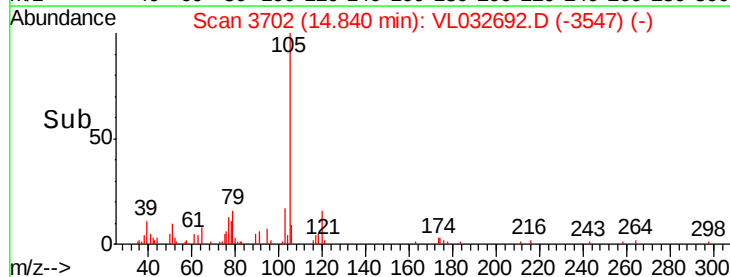
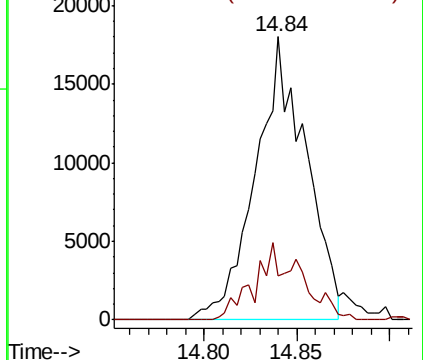
105 100

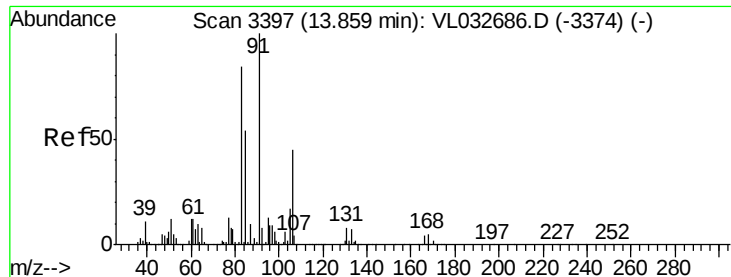
120 24.8 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

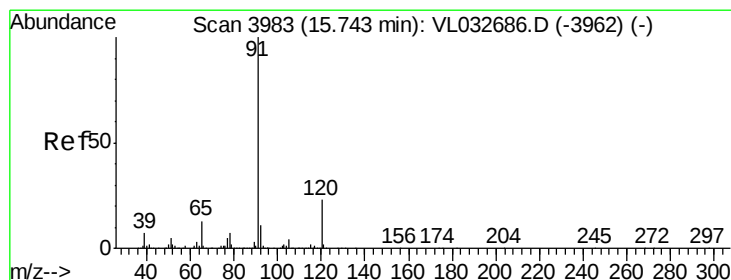
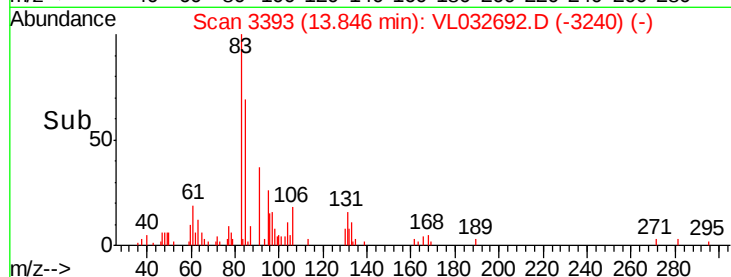
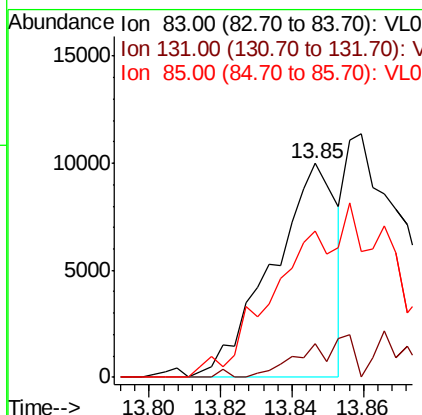
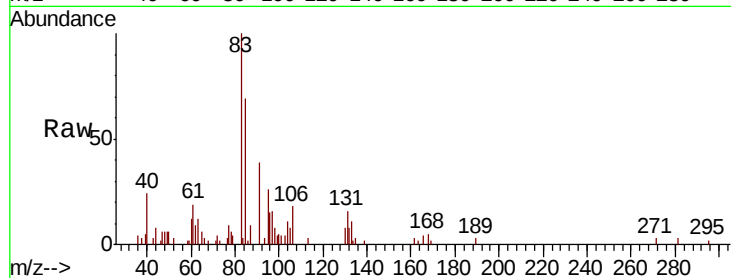




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.046 ppbv
 RT: 13.85 min Scan# 3393
 Delta R.T. -0.01 min
 Lab File: VL032692.D
 Acq: 24 Oct 2018 18:03

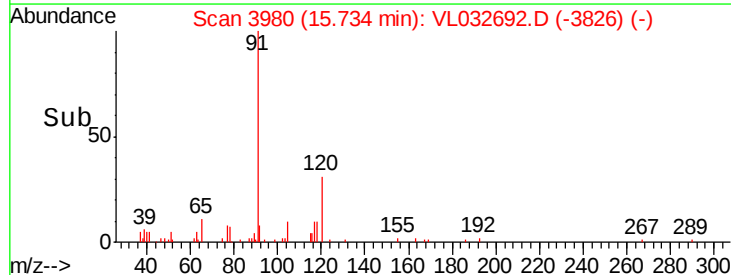
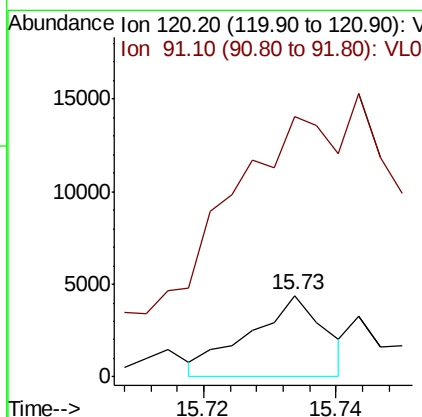
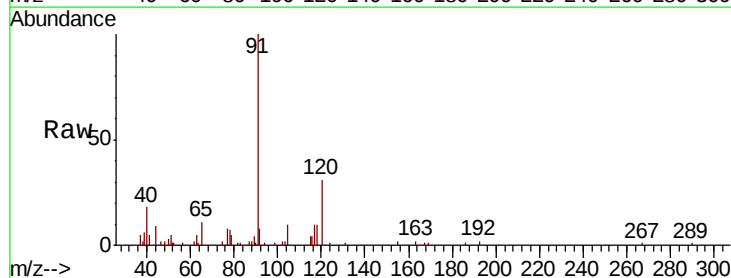
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2018

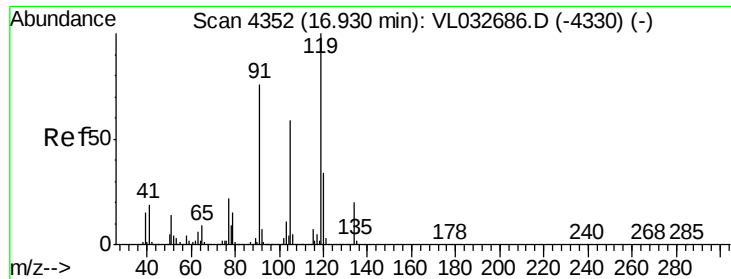
Tgt Ion: 83 Resp: 12534
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.3 12.9#
 85 0.0 32.3 96.9#



#64
 n-propylbenzene
 Concen: 0.028 ppbv
 RT: 15.73 min Scan# 3980
 Delta R.T. -0.01 min
 Lab File: VL032692.D
 Acq: 24 Oct 2018 18:03

Tgt Ion: 120 Resp: 3470
 Ion Ratio Lower Upper
 120 100
 91 0.0 390.2 585.2#





#65

tert-Butylbenzene

Concen: 0.011 ppbv

RT: 16.92 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2018

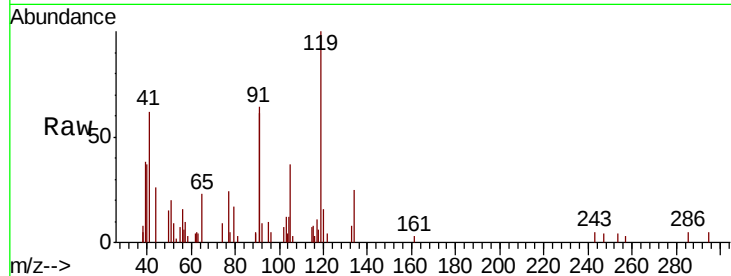
Tgt Ion: 119 Resp: 4501

Ion Ratio Lower Upper

119 100

91 477.7 67.8 101.8#

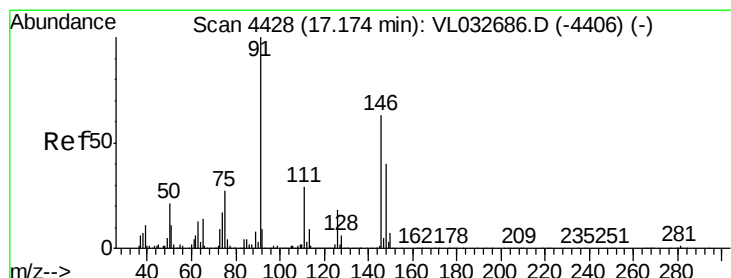
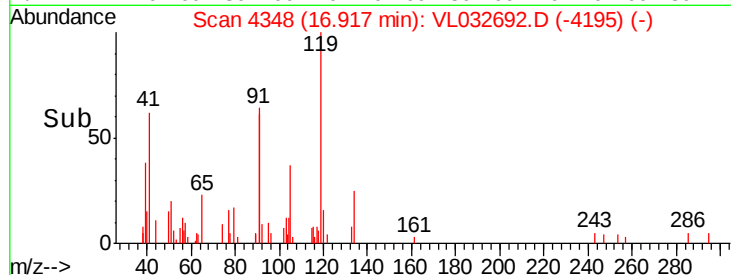
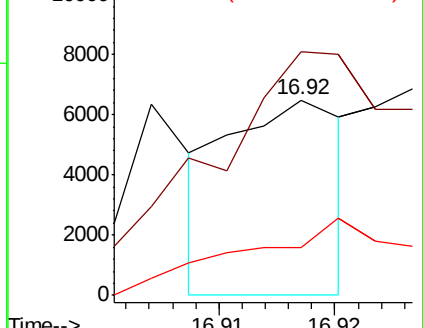
134 105.0 15.8 23.8#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.028 ppbv

RT: 17.17 min Scan# 4427

Delta R.T. -0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

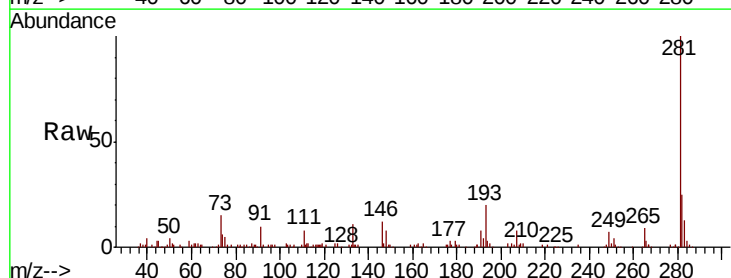
Tgt Ion: 91 Resp: 5996

Ion Ratio Lower Upper

91 100

126 61.8 13.9 20.9#

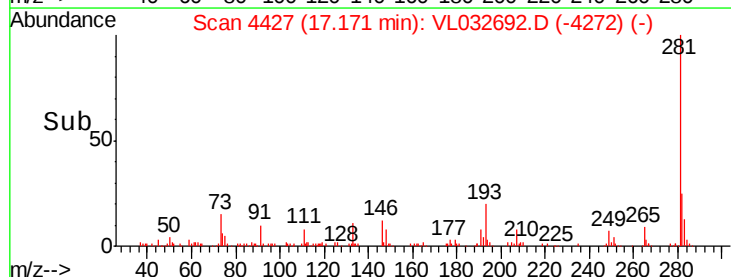
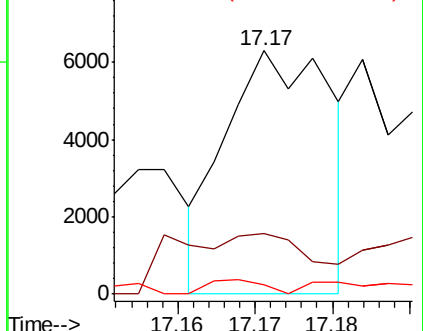
128 0.0 4.3 6.5#

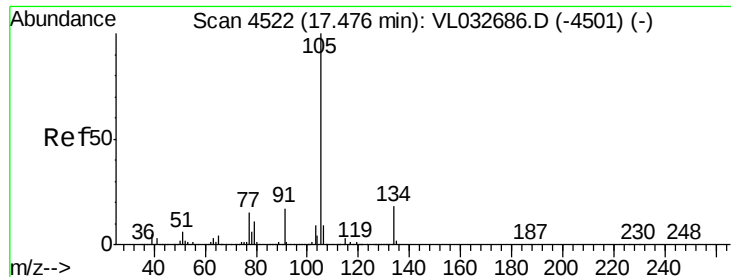


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.059 ppbv

RT: 17.47 min Scan# 4521

Delta R.T. -0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

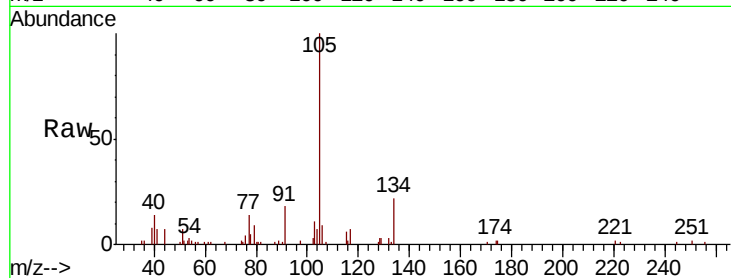
LOD-MDL-AIR-01-QT4-2018

Tgt Ion:105 Resp: 35351

Ion Ratio Lower Upper

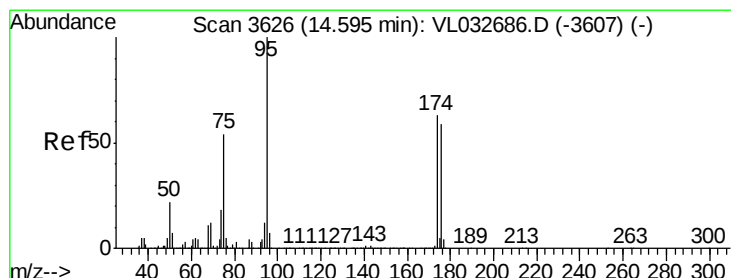
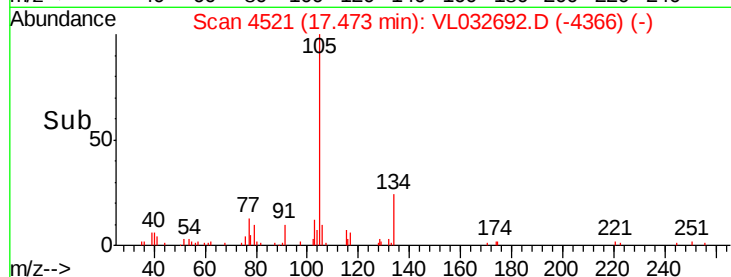
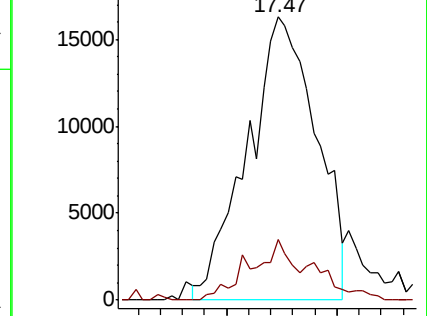
105 100

134 18.9 14.2 21.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.034 ppbv

RT: 14.59 min Scan# 3625

Delta R.T. 0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

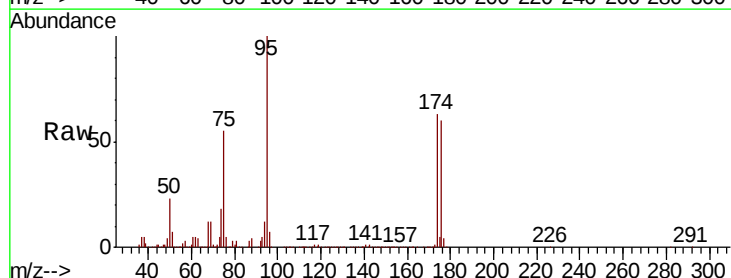
Tgt Ion: 95 Resp: 2607104

Ion Ratio Lower Upper

95 100

174 64.1 46.0 69.0

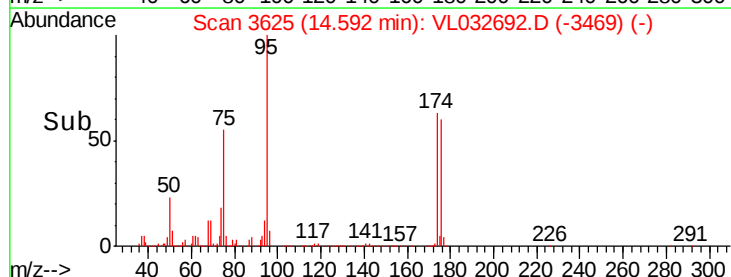
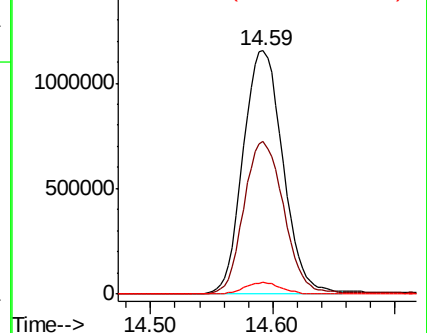
175 4.6 3.4 5.0

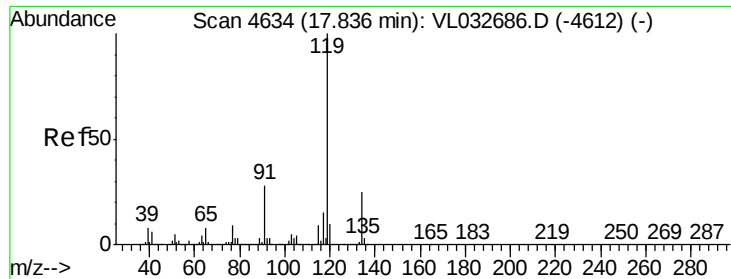


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

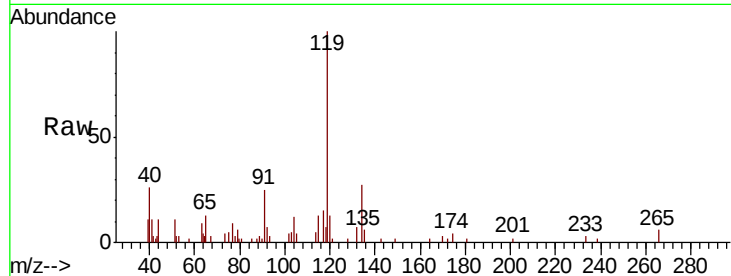




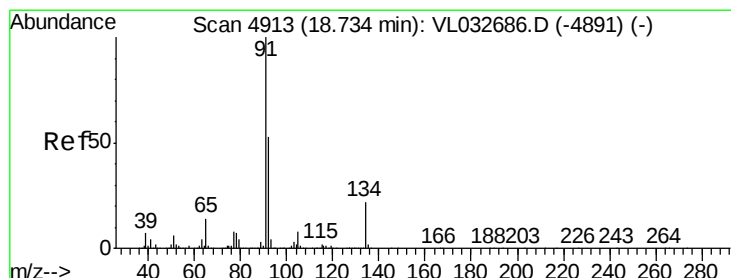
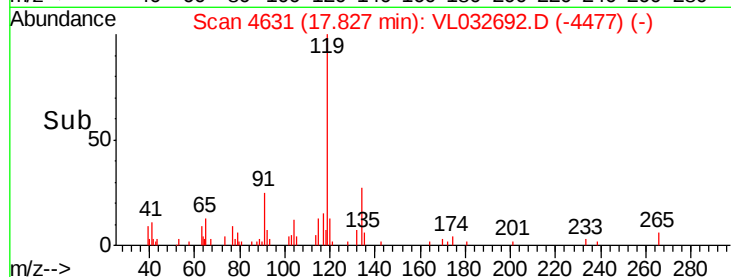
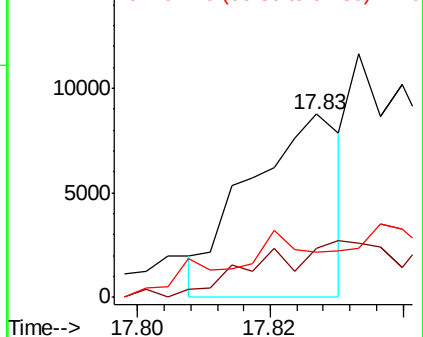
#69
p-Isopropyltoluene
Concen: 0.018 ppbv
RT: 17.83 min Scan# 4631
Delta R.T. -0.01 min
Lab File: VL032692.D
Acq: 24 Oct 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2018

Tgt Ion: 119 Resp: 8410
Ion Ratio Lower Upper
119 100
134 0.0 20.2 30.2#
91 0.0 24.0 36.0#

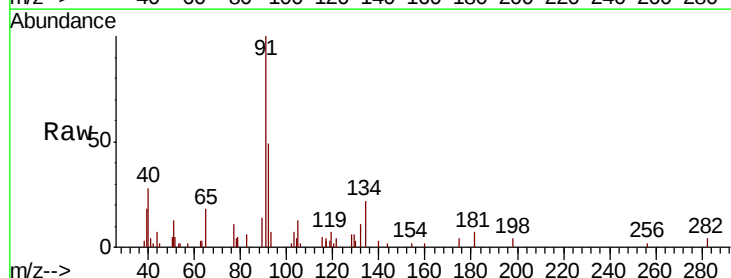


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

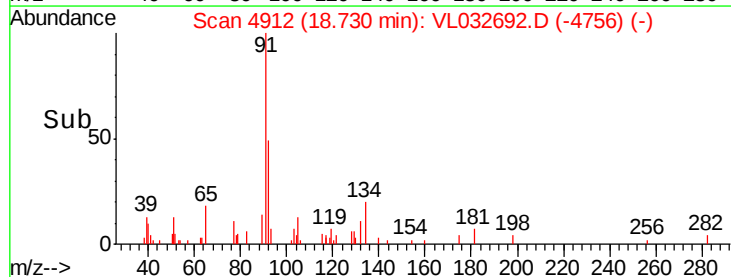
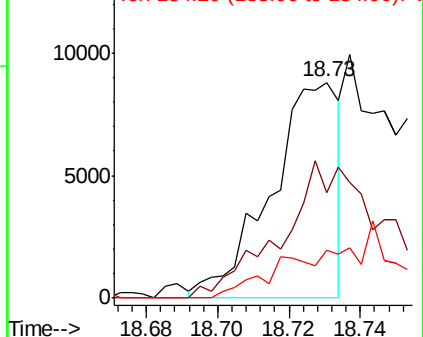


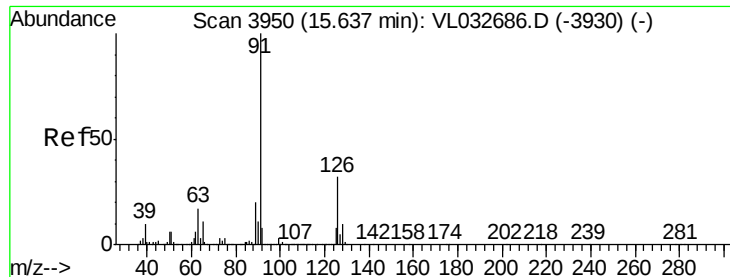
#70
n-Butylbenzene
Concen: 0.024 ppbv
RT: 18.73 min Scan# 4912
Delta R.T. 0.00 min
Lab File: VL032692.D
Acq: 24 Oct 2018 18:03

Tgt Ion: 91 Resp: 11663
Ion Ratio Lower Upper
91 100
92 103.9 43.0 64.4#
134 0.0 17.0 25.6#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 0.034 ppbv

RT: 15.63 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

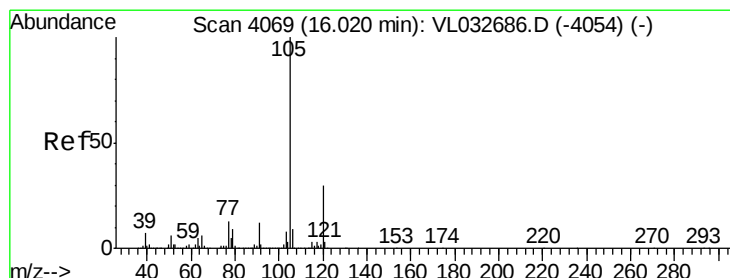
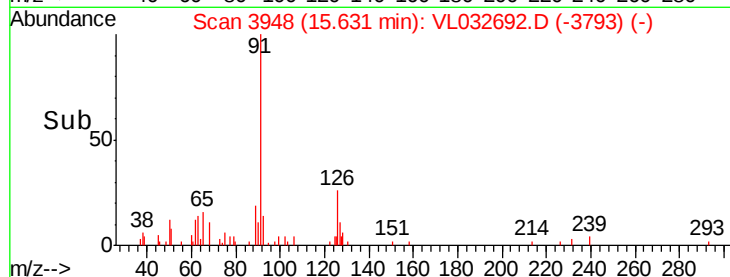
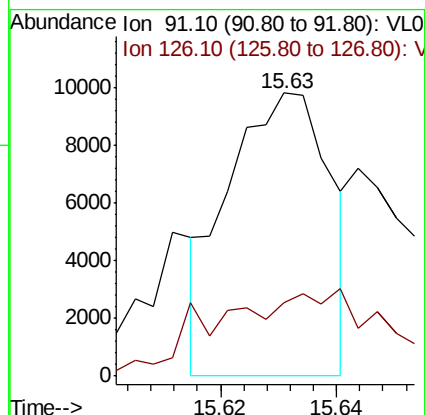
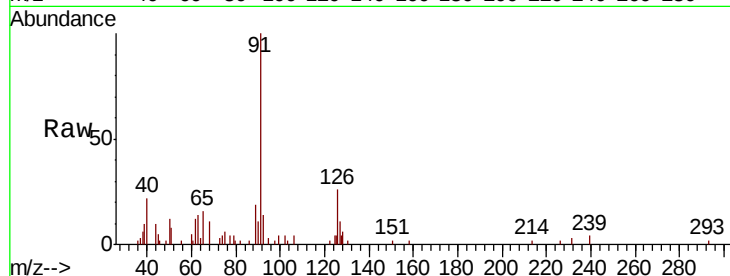
LOD-MDL-AIR-01-QT4-2018

Tgt Ion: 91 Resp: 11995

Ion Ratio Lower Upper

91 100

126 0.0 11.8 47.4#



#72

4-Ethyltoluene

Concen: 0.028 ppbv

RT: 16.01 min Scan# 4066

Delta R.T. -0.01 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Tgt Ion: 105 Resp: 10400

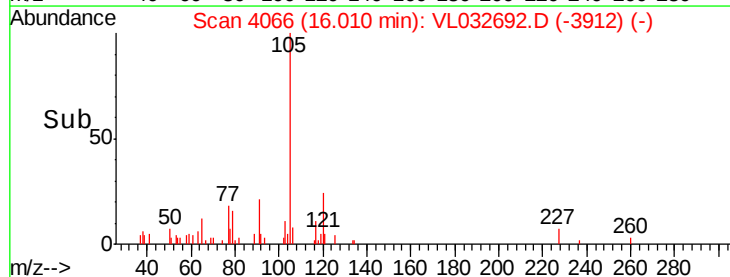
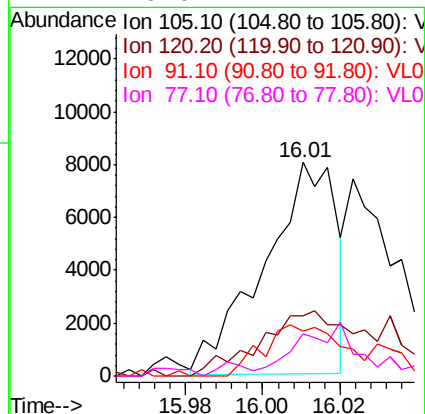
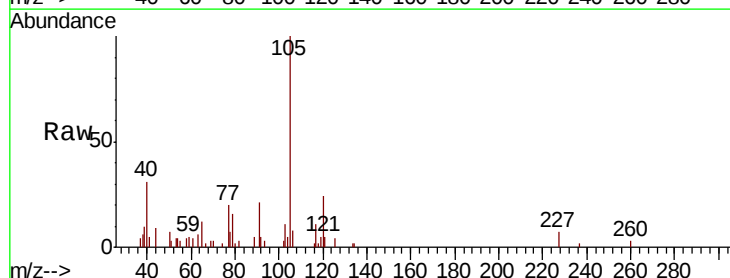
Ion Ratio Lower Upper

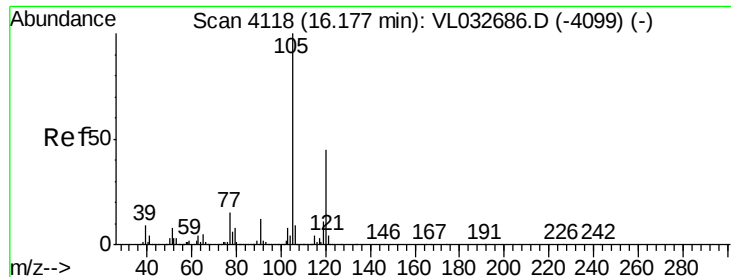
105 100

120 51.4 23.7 35.5#

91 35.0 10.4 15.6#

77 0.0 11.4 17.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.017 ppbv

RT: 16.18 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

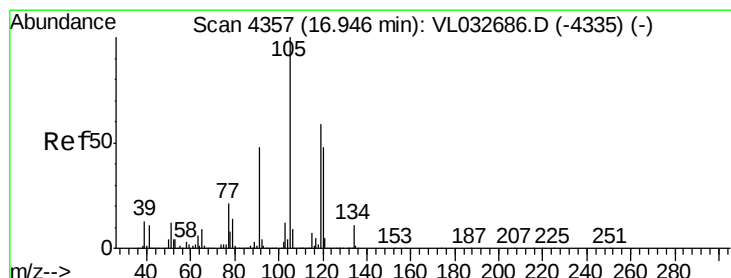
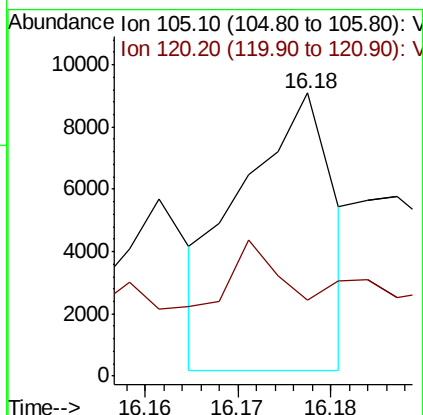
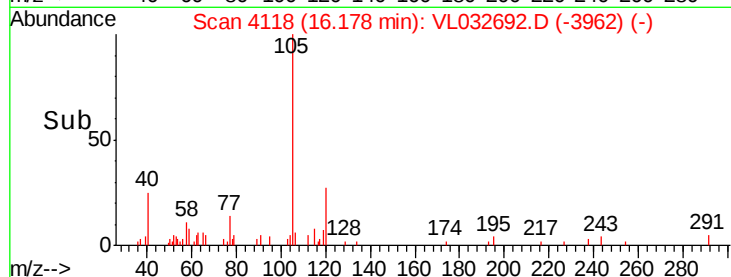
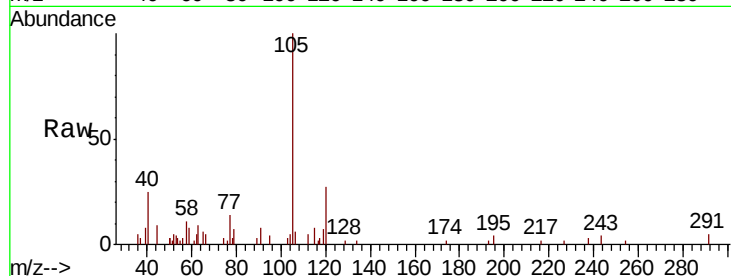
LOD-MDL-AIR-01-QT4-2018

Tgt Ion:105 Resp: 6211

Ion Ratio Lower Upper

105 100

120 3.6 35.4 53.2#



#74

1,2,4-Trimethylbenzene

Concen: 0.047 ppbv

RT: 16.95 min Scan# 4357

Delta R.T. 0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Tgt Ion:105 Resp: 18226

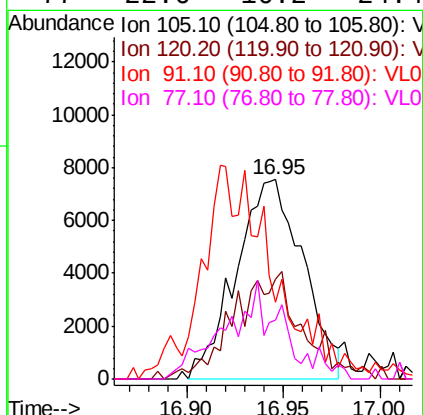
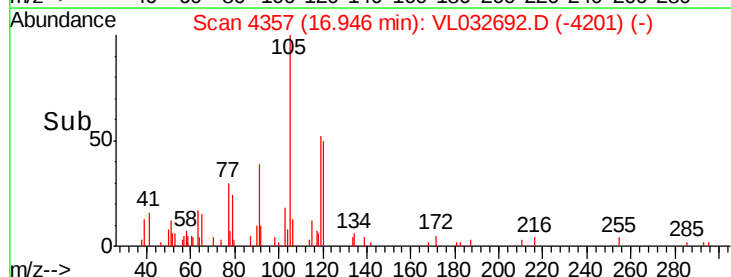
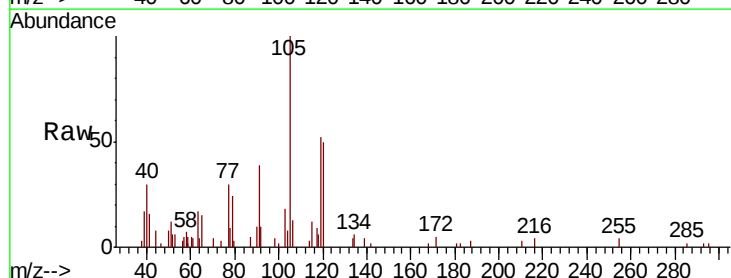
Ion Ratio Lower Upper

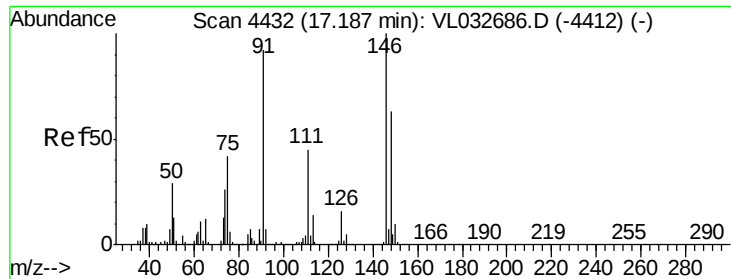
105 100

120 46.9 35.8 53.8

91 32.8 33.2 49.8#

77 22.6 16.2 24.4





#75

1,3-Dichlorobenzene

Concen: 0.031 ppbv

RT: 17.18 min Scan# 4430

Delta R.T. -0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2018

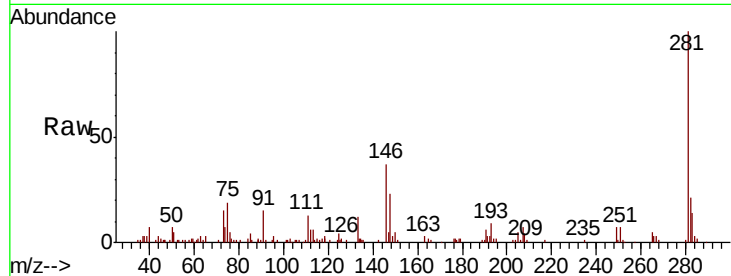
Tgt Ion:146 Resp: 6939

Ion Ratio Lower Upper

146 100

111 0.0 24.4 73.2#

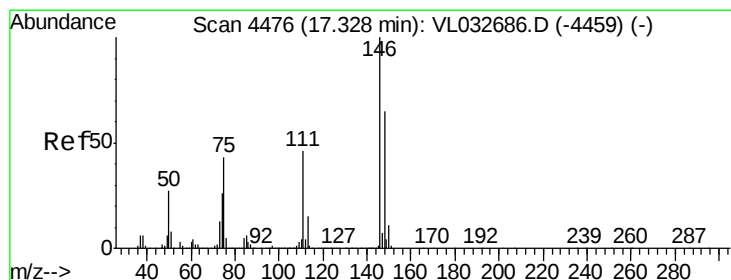
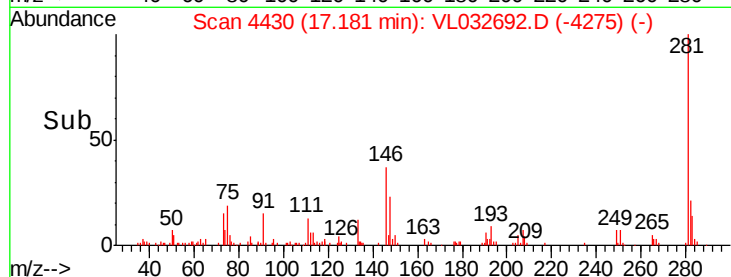
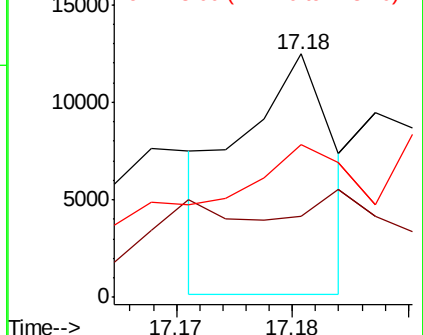
148 0.0 31.9 95.9#



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: 0.018 ppbv

RT: 17.33 min Scan# 4475

Delta R.T. -0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

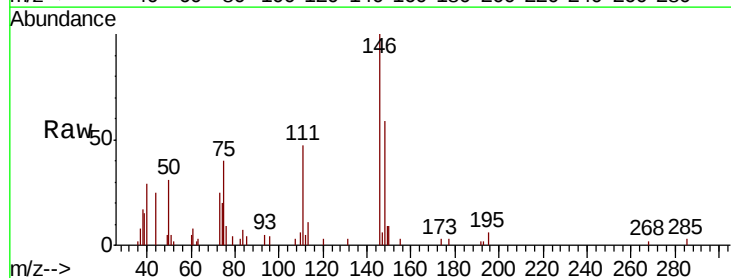
Tgt Ion:146 Resp: 3768

Ion Ratio Lower Upper

146 100

111 0.0 23.7 71.1#

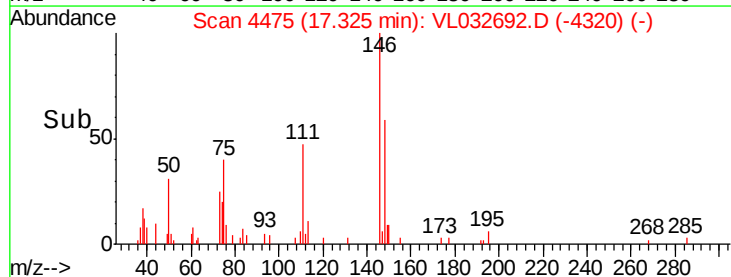
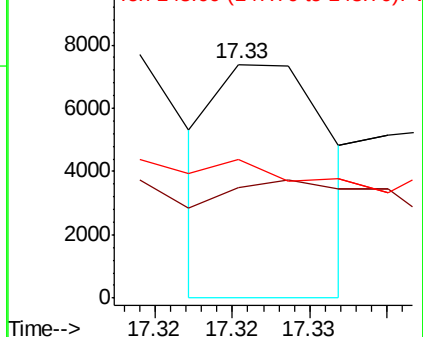
148 290.7 32.1 96.3#

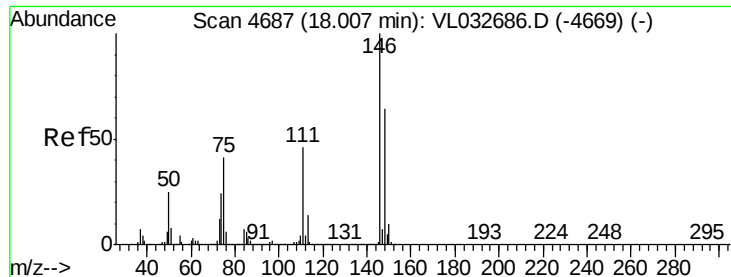


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.034 ppbv

RT: 18.00 min Scan# 4684

Delta R.T. -0.01 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

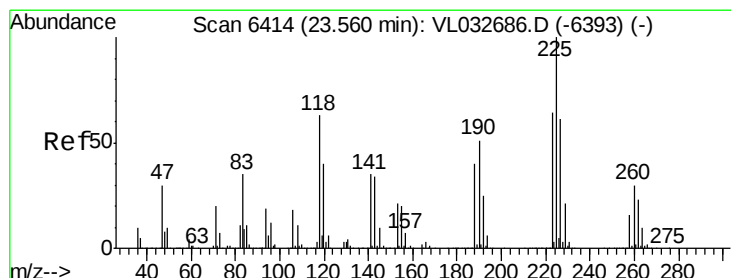
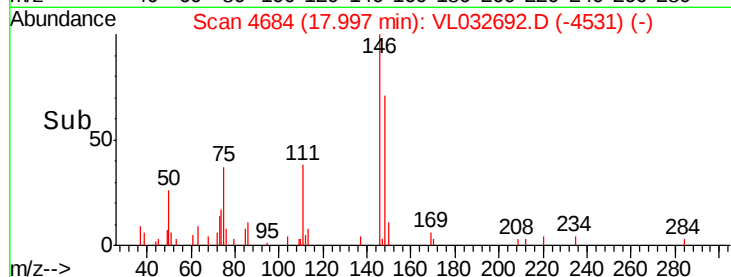
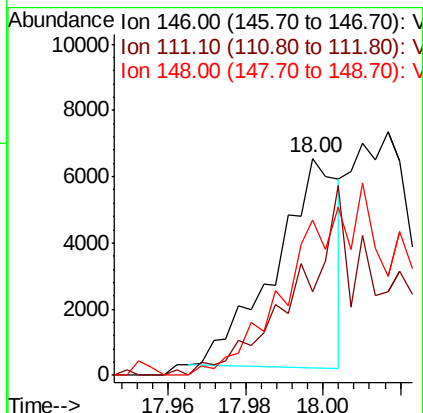
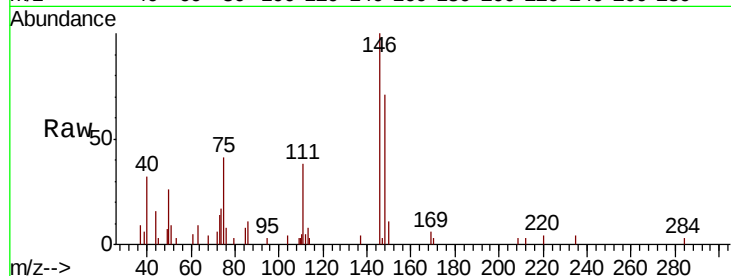
Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2018

Tgt Ion:	146	Resp:	7127
Ion	Ratio	Lower	Upper
146	100		
111	0.0	25.3	75.8#
148	0.0	31.9	95.9#



#78

Hexachloro-1,3-Butadiene

Concen: 0.078 ppbv

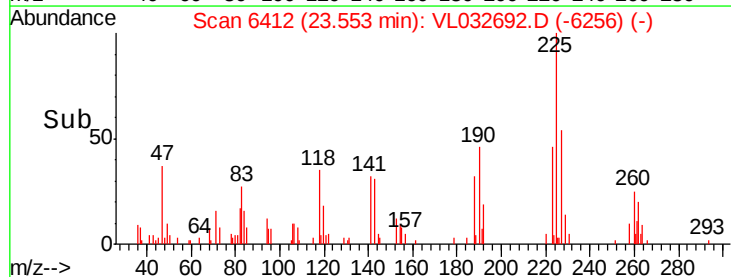
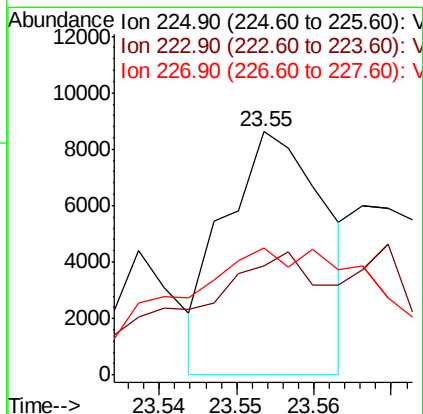
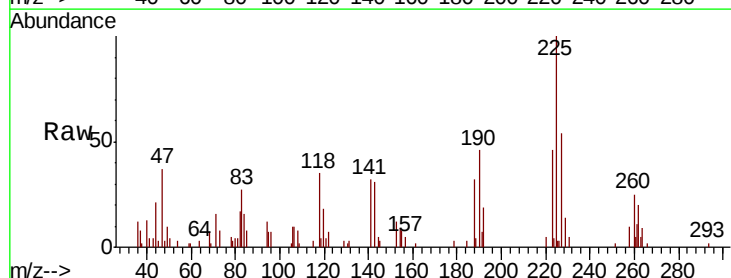
RT: 23.55 min Scan# 6412

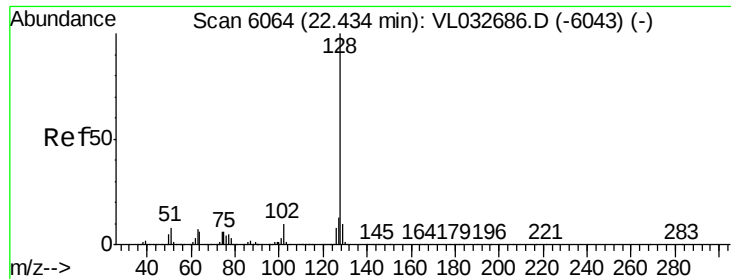
Delta R.T. 0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Tgt Ion:	225	Resp:	7720
Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.7	76.1#
227	134.3	50.7	76.1#





#79

Naphthalene

Concen: 0.011 ppbv

RT: 22.43 min Scan# 6063

Delta R.T. -0.00 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2018

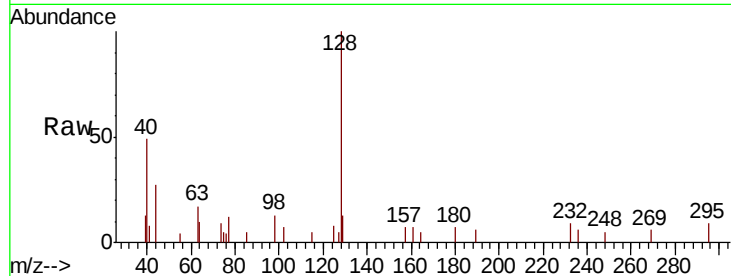
Tgt Ion:128 Resp: 2620

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

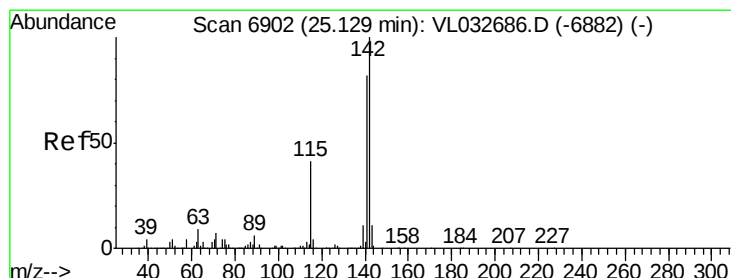
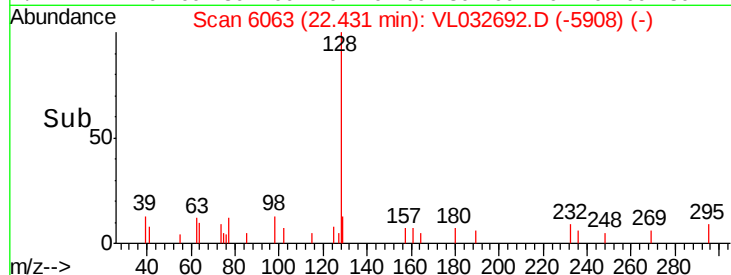
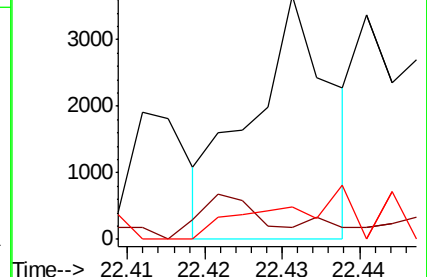
129 18.9 8.6 13.0#



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.011 ppbv

RT: 25.15 min Scan# 6909

Delta R.T. 0.03 min

Lab File: VL032692.D

Acq: 24 Oct 2018 18:03

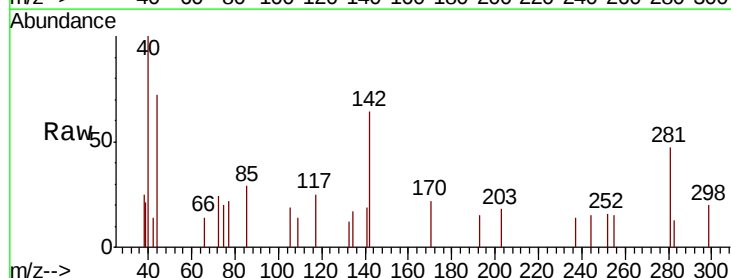
Tgt Ion:142 Resp: 620

Ion Ratio Lower Upper

142 100

141 52.3 67.5 101.3#

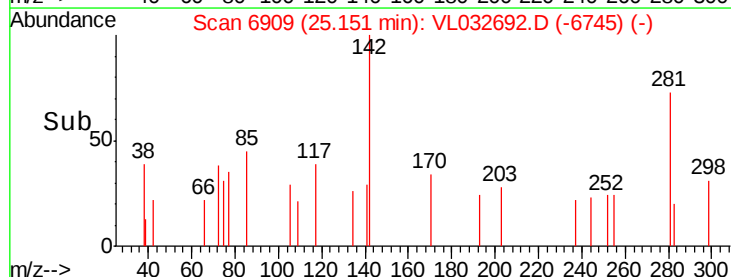
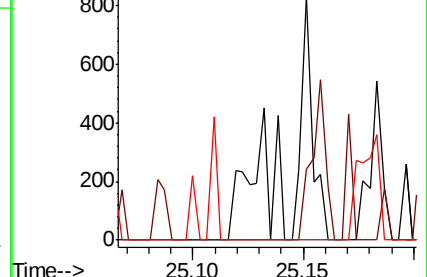
115 19.8 33.5 50.3#

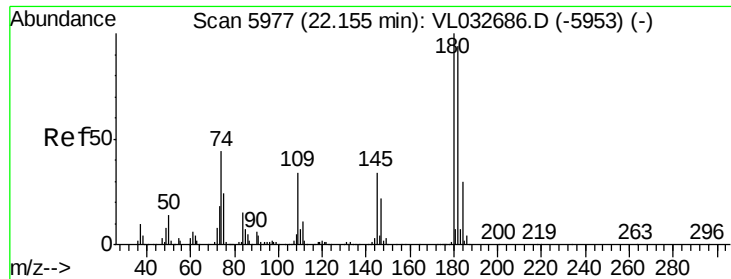


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.005 ppbv
 RT: 22.15 min Scan# 5975
 Delta R.T. -0.01 min
 Lab File: VL032692.D
 Acq: 24 Oct 2018 18:03

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2018

Tgt Ion:180 Resp: 672
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.5 114.7#
 184 0.0 24.7 37.1#

