

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041619\
 Data File : VL033594.D
 Acq On : 16 Apr 2019 16:14
 Operator : SY/AP
 Sample : K2241-13 0.1 PPB
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Quant Time: Apr 22 11:08:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	860188	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2031863	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2005200	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1612616	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	15621	0.125	ppbv	99
3) Chlorodifluoromethane	3.01	51	11090	0.112	ppbv	100
4) Chloromethane	3.17	50	5226m	0.100	ppbv	
5) Vinyl Chloride	3.30	62	4557	0.089	ppbv	97
6) Bromomethane	3.52	94	3414m	0.103	ppbv	
7) Chloroethane	3.60	64	2121m	0.111	ppbv	
8) Dichlorotetrafluoroethane	3.22	85	12508	0.094	ppbv	100
9) Propene	3.04	41	3924m	0.094	ppbv	
10) Heptane	8.24	43	5896m	0.053	ppbv	
11) Trichlorofluoromethane	4.00	101	15440	0.100	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.55	101	10225	0.098	ppbv	93
14) Bromoethene	3.80	108	3545m	0.086	ppbv	
15) Acetone	3.93	43	17577	0.170	ppbv #	88
16) 1,3-Butadiene	3.37	39	3881	0.095	ppbv	98
17) tert-Butyl alcohol	4.41	59	2541m	0.134	ppbv	
18) 1,1-Dichloroethene	4.35	96	4341m	0.097	ppbv	
19) Isopropyl Alcohol	4.05	45	7027	0.107	ppbv #	93
20) Methylene Chloride	4.41	84	8236m	0.188	ppbv	
21) Allvl Chloride	4.48	41	5428	0.083	ppbv #	86
22) trans-1,2-Dichloroethene	4.97	96	4286	0.092	ppbv	82
23) Vinyl Acetate	5.16	43	8372	0.057	ppbv #	80
24) 1,1-Dichloroethane	5.09	63	9932	0.089	ppbv #	93
25) Ethyl Acetate	5.78	43	15700m	0.082	ppbv	
26) Hexane	5.78	57	6522m	0.076	ppbv	
27) Carbon Disulfide	4.62	76	7082	0.070	ppbv #	43
28) Methyl tert-Butyl Ether	5.13	73	7529	0.061	ppbv	95
29) Chloroform	5.84	83	14530m	0.099	ppbv	
30) Cyclohexane	7.28	84	8131m	0.120	ppbv	
31) cis-1,2-Dichloroethene	5.64	61	6056m	0.071	ppbv	
32) 1,1,1-Trichloroethane	6.62	97	11865	0.085	ppbv	90
34) 2-Butanone	5.35	43	9139m	0.075	ppbv	
35) Carbon Tetrachloride	7.14	117	13120m	0.091	ppbv	
36) Benzene	7.00	78	11750m	0.069	ppbv	
37) 1,2-Dichloroethane	6.41	62	9821m	0.086	ppbv	
38) Trichloroethene	7.95	130	4868m	0.076	ppbv	
39) 1,2-Dichloropropane	7.73	63	5266m	0.079	ppbv	
41) Tetrahydrofuran	6.19	42	3262m	0.049	ppbv	
42) Bromodichloromethane	7.91	83	11828m	0.076	ppbv	
43) Methyl Methacrylate	8.15	69	3068m	0.044	ppbv	
44) 2,2,4-Trimethylpentane	7.99	57	16024m	0.054	ppbv	
45) t-1,3-Dichloropropene	9.41	75	3938	0.046	ppbv #	73

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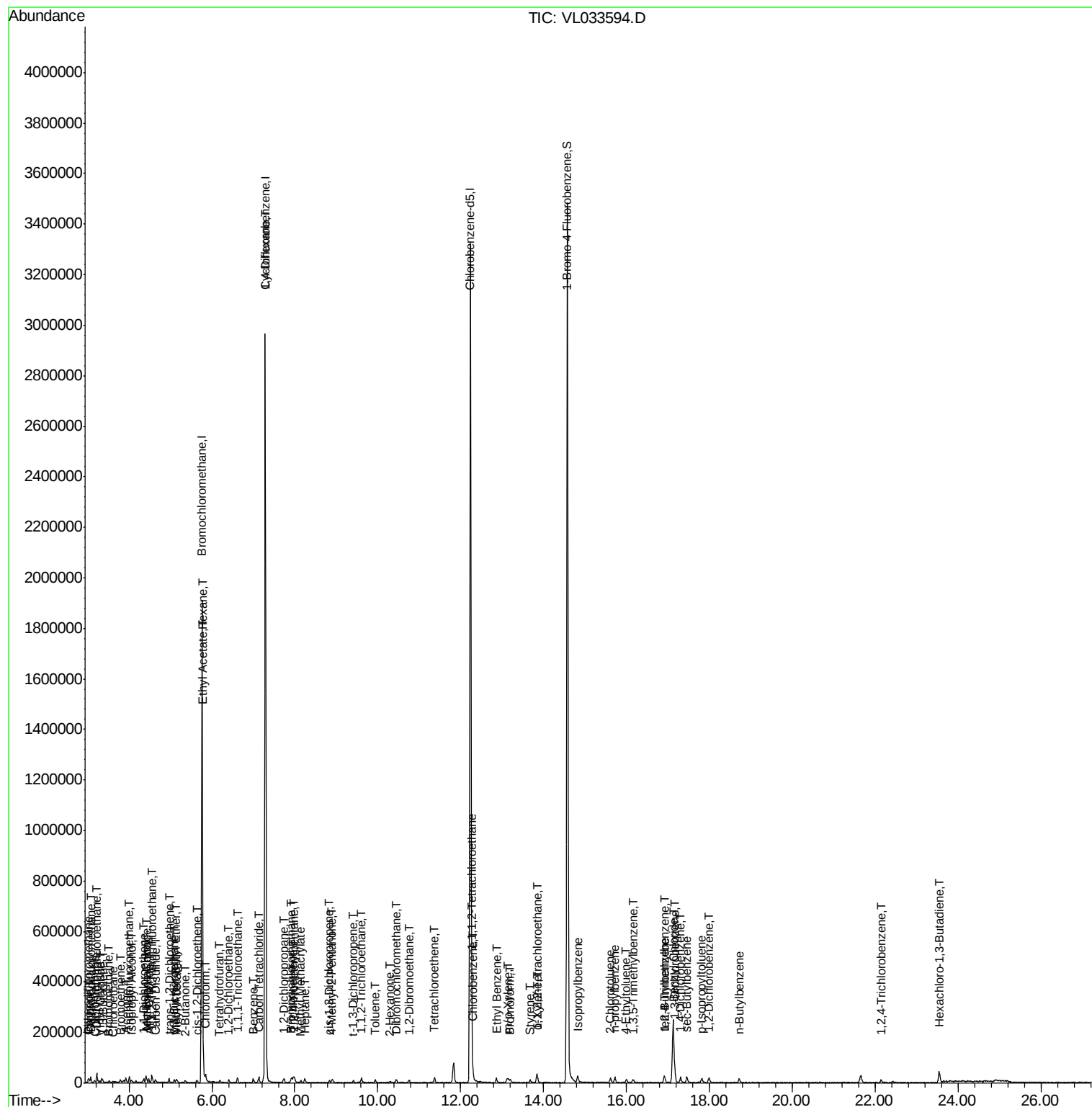
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.84	75	5619m	0.057	ppbv	
47) 1,1,2-Trichloroethane	9.60	97	6478m	0.085	ppbv	
48) Dibromochloromethane	10.44	129	7467m	0.058	ppbv	
49) Bromoform	13.19	173	5511m	0.045	ppbv	
50) 4-Methyl-2-Pentanone	8.91	43	10976m	0.061	ppbv	
51) 2-Hexanone	10.31	43	4943m	0.037	ppbv	
52) Tetrachloroethene	11.37	164	4447m	0.069	ppbv	
53) Toluene	9.94	91	9078m	0.046	ppbv	
54) 1,2-Dibromoethane	10.75	107	7607m	0.064	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.28	131	7897m	0.086	ppbv	
57) Chlorobenzene	12.30	112	14750m	0.095	ppbv	
58) Ethyl Benzene	12.86	91	12489m	0.047	ppbv	
59) m/p-Xylene	13.12	91	22944m	0.096	ppbv	
60) o-Xylene	13.85	91	10374m	0.045	ppbv	
61) Styrene	13.68	104	6951m	0.044	ppbv	
62) Isopropylbenzene	14.82	105	18265m	0.056	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.83	83	12450m	0.073	ppbv	
64) n-propylbenzene	15.72	120	3509m	0.042	ppbv	
65) tert-Butylbenzene	16.92	119	10735m	0.037	ppbv	
66) Benzyl Chloride	17.15	91	7546m	0.056	ppbv	
67) sec-Butylbenzene	17.46	105	19980m	0.049	ppbv	
69) p-Isopropyltoluene	17.82	119	11129m	0.033	ppbv	
70) n-Butylbenzene	18.72	91	11189m	0.032	ppbv	
71) 2-Chlorotoluene	15.61	91	11886m	0.048	ppbv	
72) 4-Ethyltoluene	15.99	105	9040m	0.035	ppbv	
73) 1,3,5-Trimethylbenzene	16.16	105	9310m	0.037	ppbv	
74) 1,2,4-Trimethylbenzene	16.92	105	9435m	0.035	ppbv	
75) 1,3-Dichlorobenzene	17.17	146	14438m	0.088	ppbv	
76) 1,4-Dichlorobenzene	17.30	146	11282m	0.070	ppbv	
77) 1,2-Dichlorobenzene	17.99	146	10172m	0.065	ppbv	
78) Hexachloro-1,3-Butadiene	23.54	225	10039m	0.097	ppbv	
81) 1,2,4-Trichlorobenzene	22.13	180	4733m	0.037	ppbv	

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033594.D

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LOD-MDL-AIR-01-QT2-2019

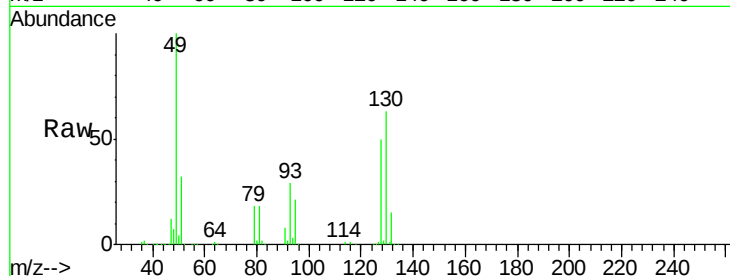
Tot Ion: 49 Resp: 860188

Ion Ratio Lower Upper

49 100

128 49.1 24.0 72.0

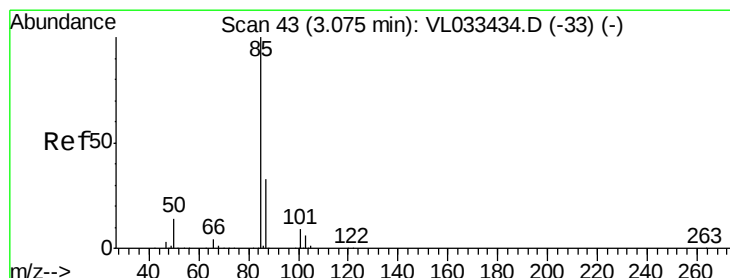
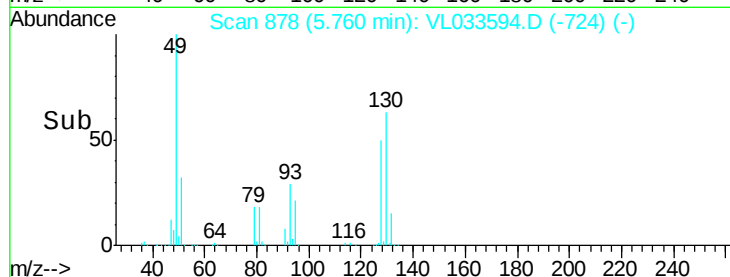
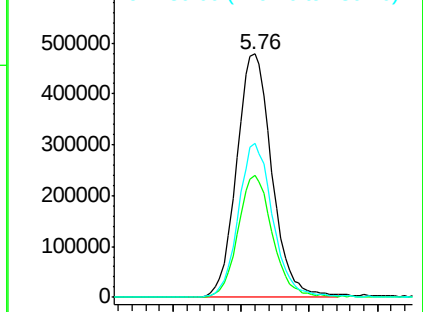
130 61.9 31.2 93.6



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: 0.125 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033594.D

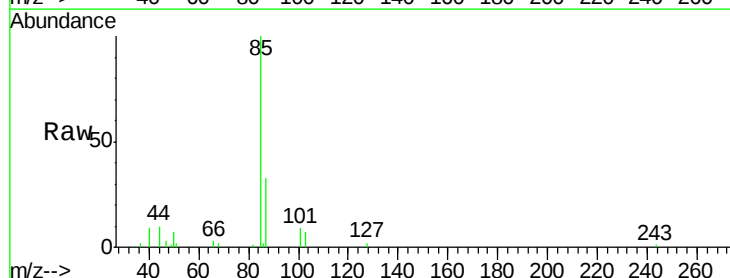
Acq: 16 Apr 2019 16:14

Tgt Ion: 85 Resp: 15621

Ion Ratio Lower Upper

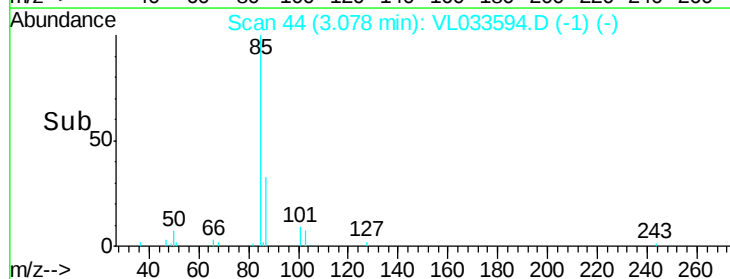
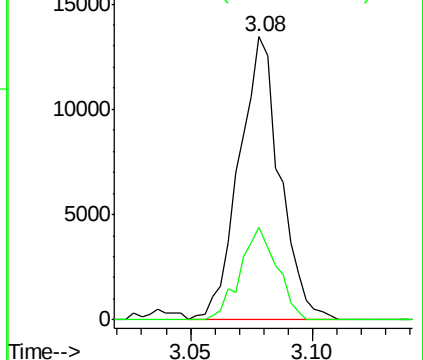
85 100

87 32.8 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.112 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

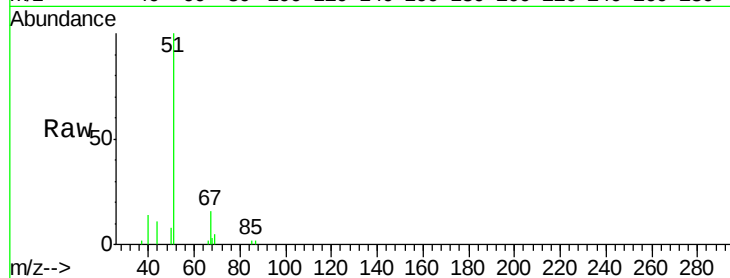
LOD-MDL-AIR-01-QT2-2019

Tot Ion: 51 Resp: 11090

Ion Ratio Lower Upper

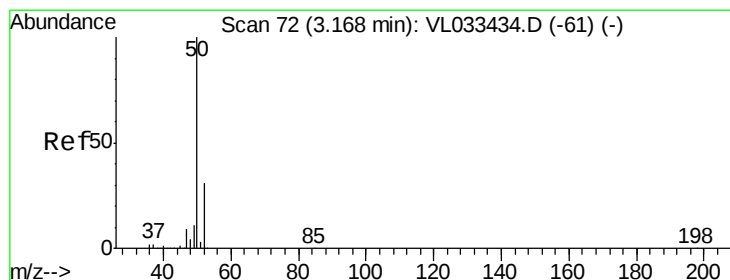
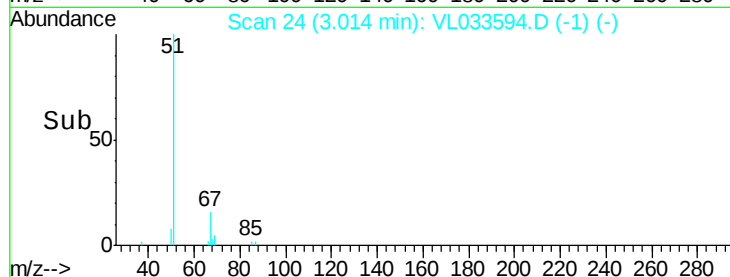
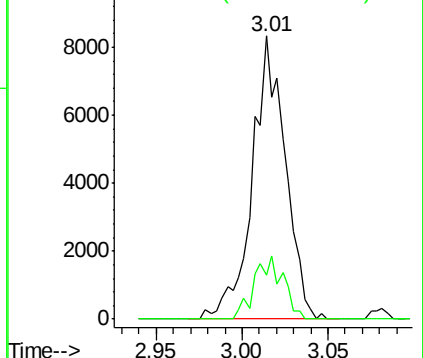
51 100

67 19.4 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.100 ppbv m

RT: 3.17 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL033594.D

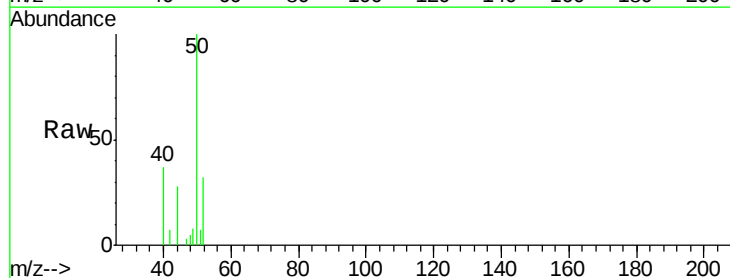
Acq: 16 Apr 2019 16:14

Tgt Ion: 50 Resp: 5226

Ion Ratio Lower Upper

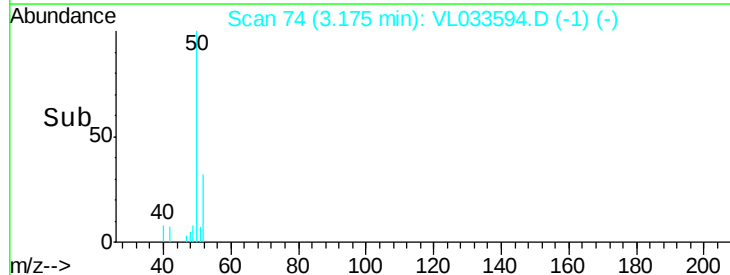
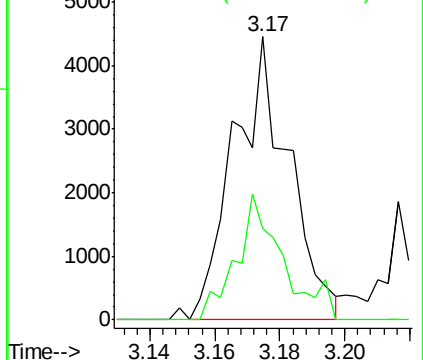
50 100

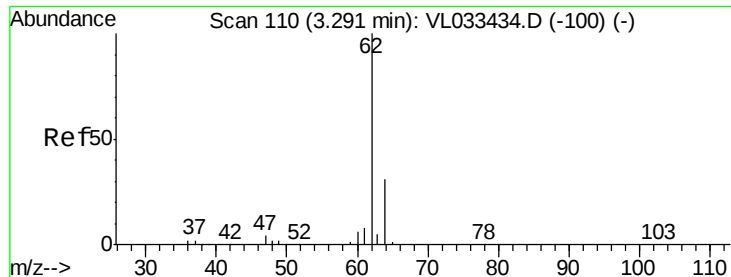
52 32.1 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.089 ppbv

RT: 3.30 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

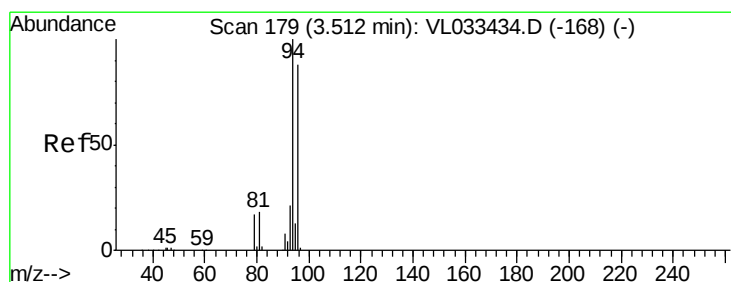
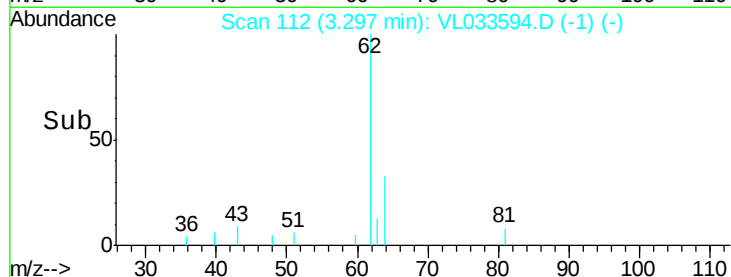
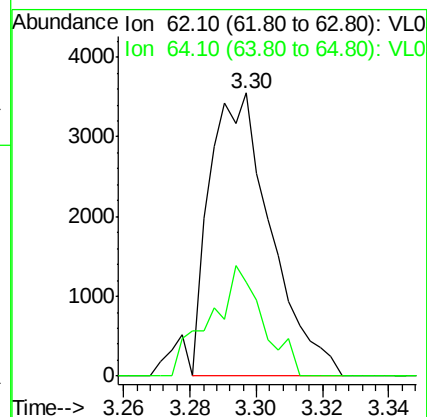
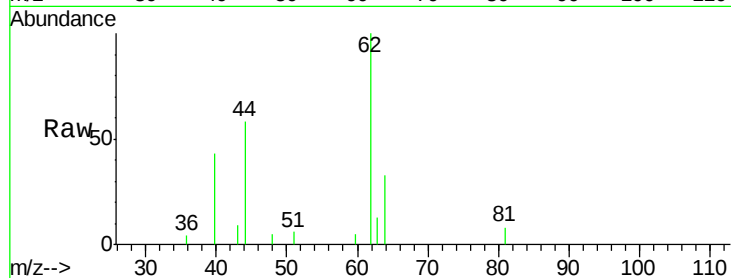
LOD-MDL-AIR-01-QT2-2019

Tot Ion: 62 Resp: 4557

Ion Ratio Lower Upper

62 100

64 29.6 24.9 37.3



#6

Bromomethane

Concen: 0.103 ppbv m

RT: 3.52 min Scan# 181

Delta R.T. 0.01 min

Lab File: VL033594.D

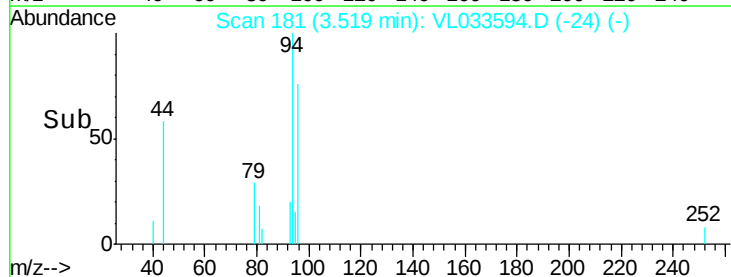
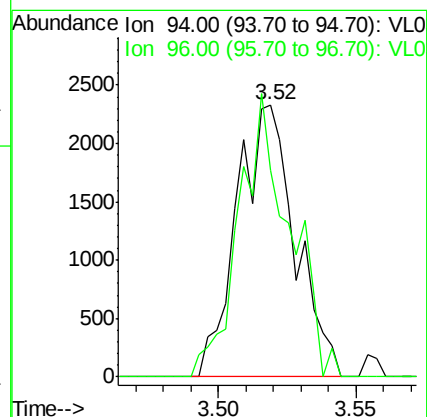
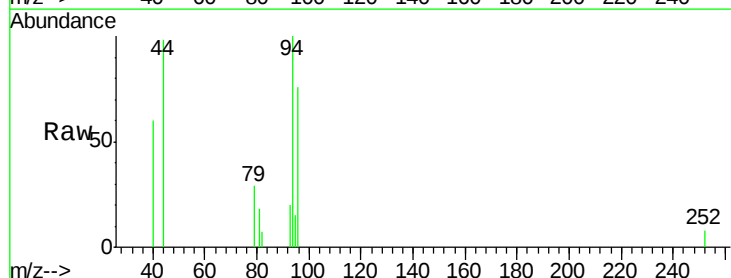
Acq: 16 Apr 2019 16:14

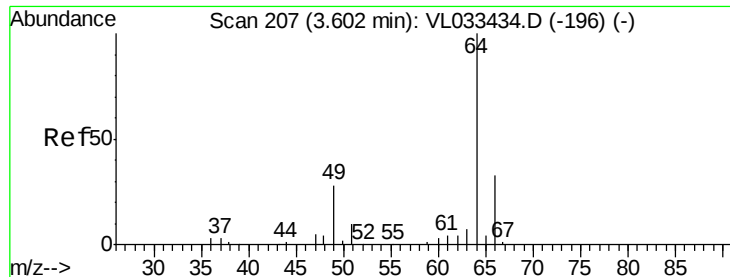
Tgt Ion: 94 Resp: 3414

Ion Ratio Lower Upper

94 100

96 75.7 70.2 105.2





#7

Chloroethane

Concen: 0.111 ppbv m

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

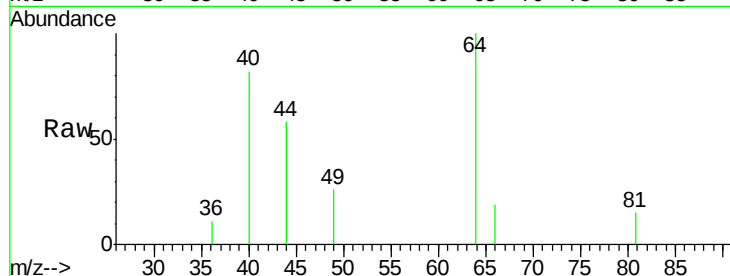
LOD-MDL-AIR-01-QT2-2019

Tot Ion: 64 Resp: 2121

Ion Ratio Lower Upper

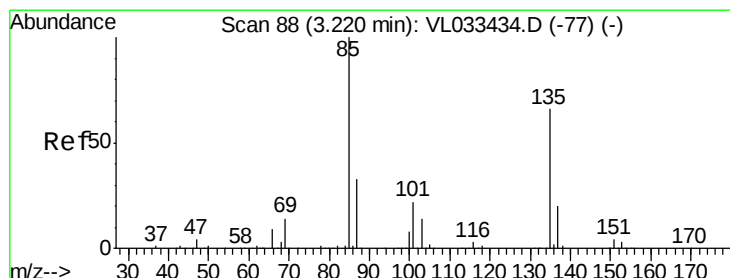
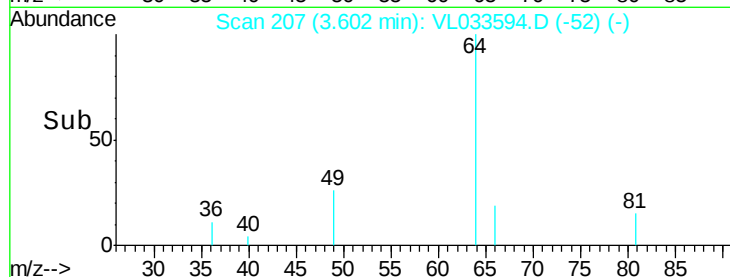
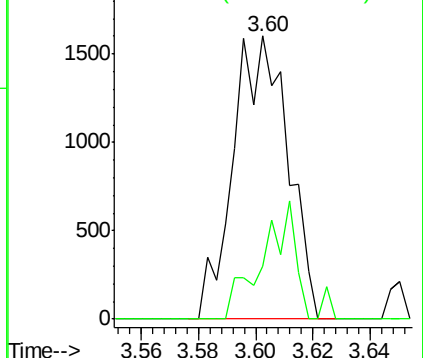
64 100

66 18.8 26.7 40.1#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.094 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033594.D

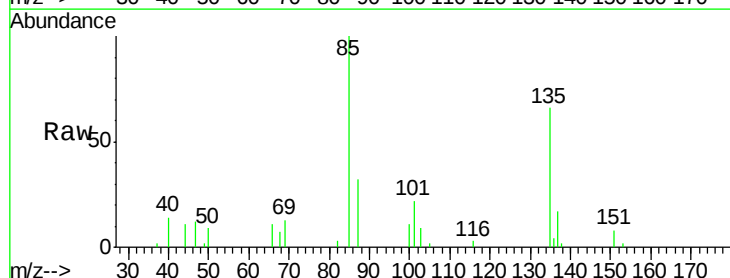
Acq: 16 Apr 2019 16:14

Tgt Ion: 85 Resp: 12508

Ion Ratio Lower Upper

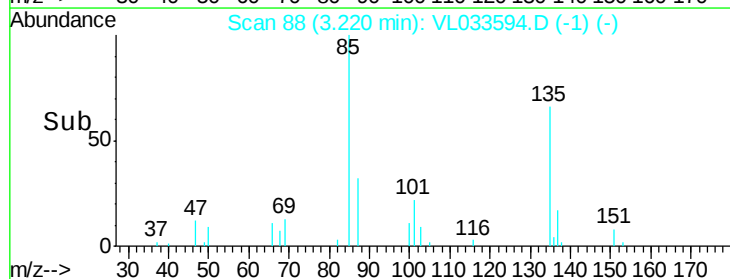
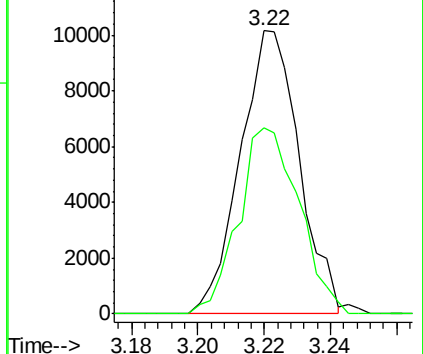
85 100

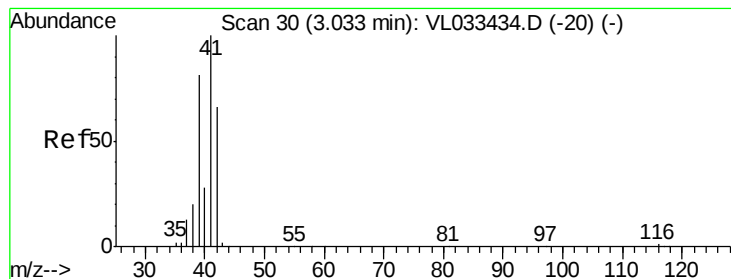
135 67.4 54.0 81.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.094 ppbv m

RT: 3.04 min Scan# 33

Delta R.T. 0.01 min

Lab File: VL033594.D

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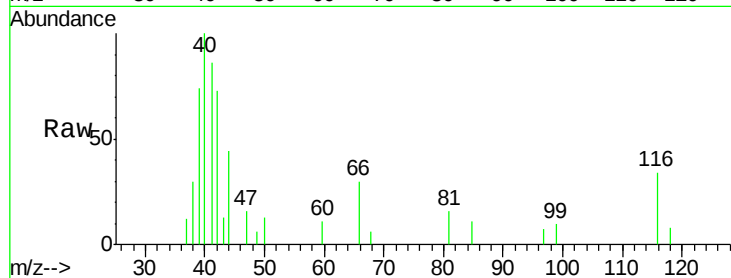
LOD-MDL-AIR-01-QT2-2019

Tot Ion: 41 Resp: 3924

Ion Ratio Lower Upper

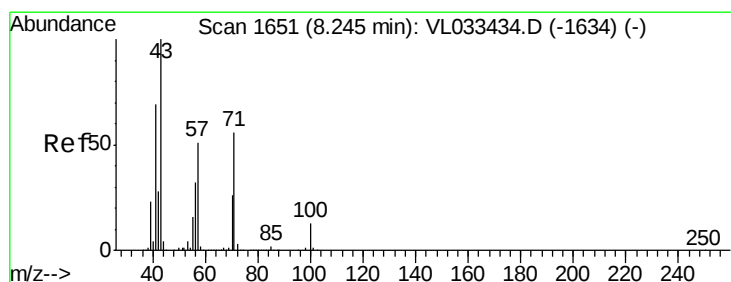
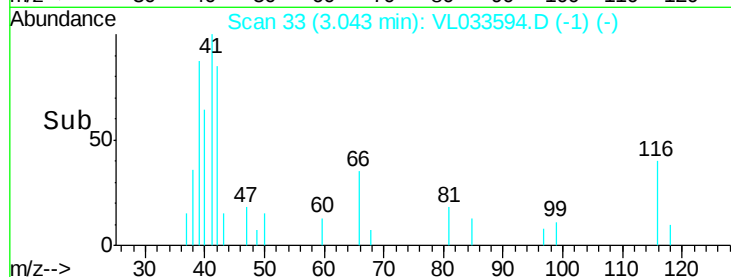
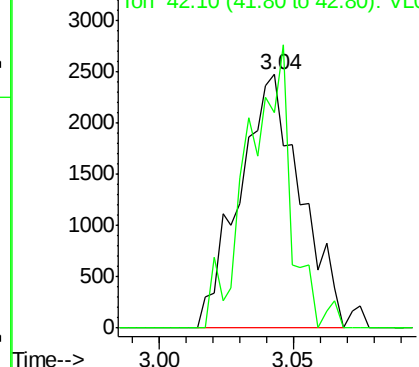
41 100

42 0.0 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.053 ppbv m

RT: 8.24 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VL033594.D

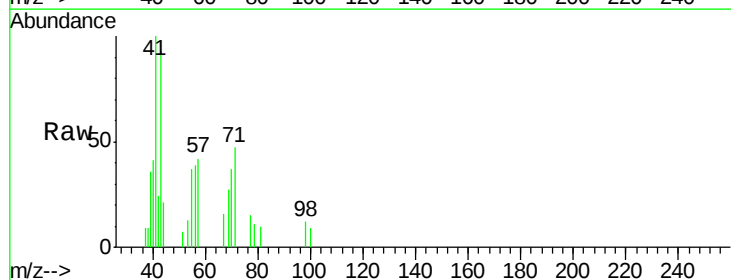
Acq: 16 Apr 2019 16:14

Tgt Ion: 43 Resp: 5896

Ion Ratio Lower Upper

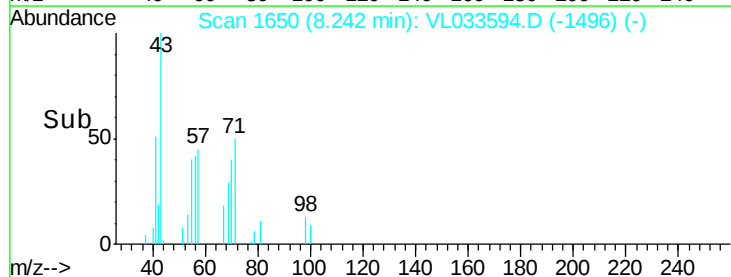
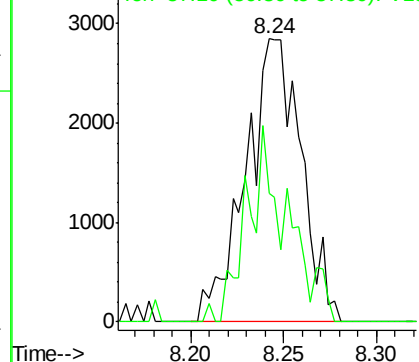
43 100

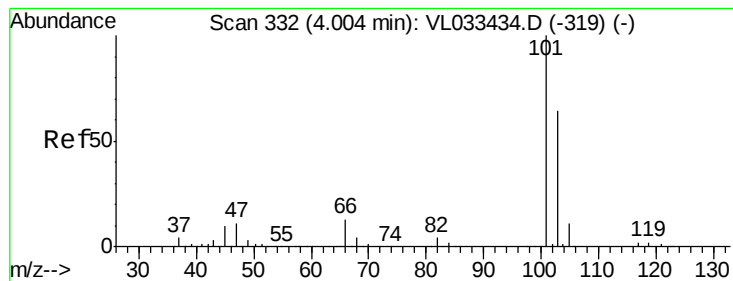
57 51.1 40.6 60.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.100 ppbv

RT: 4.00 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

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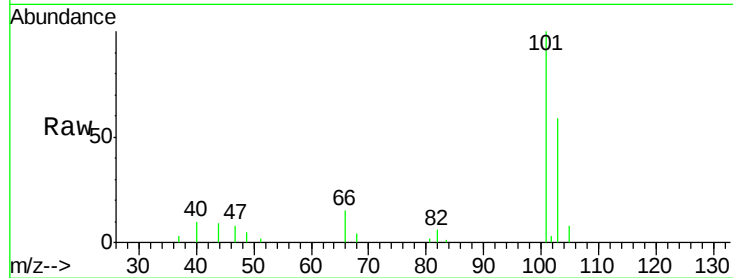
LOD-MDL-AIR-01-QT2-2019

Tot Ion:101 Resp: 15440

Ion Ratio Lower Upper

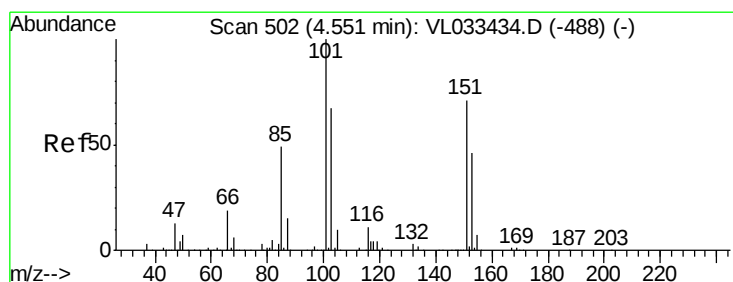
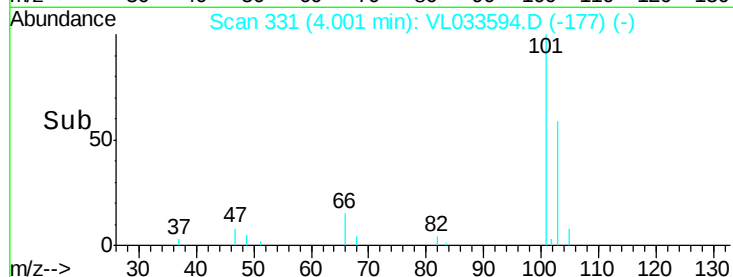
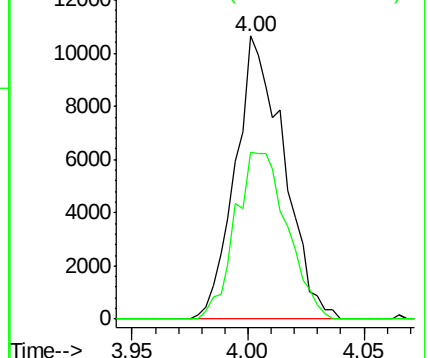
101 100

103 59.0 51.3 76.9



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: 0.098 ppbv

RT: 4.55 min Scan# 503

Delta R.T. 0.00 min

Lab File: VL033594.D

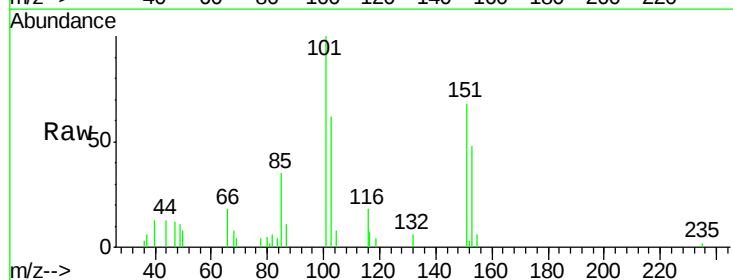
Acq: 16 Apr 2019 16:14

Tgt Ion:101 Resp: 10225

Ion Ratio Lower Upper

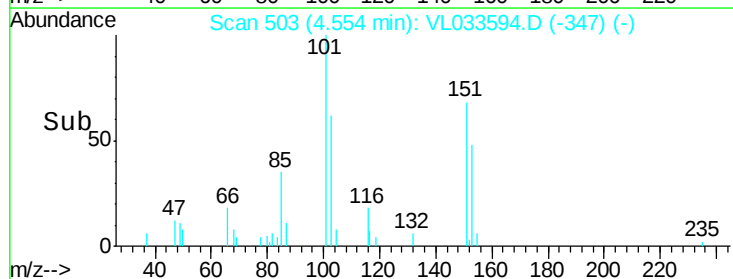
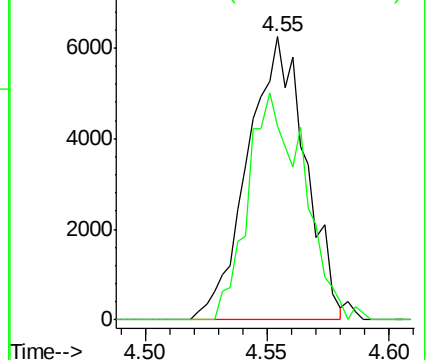
101 100

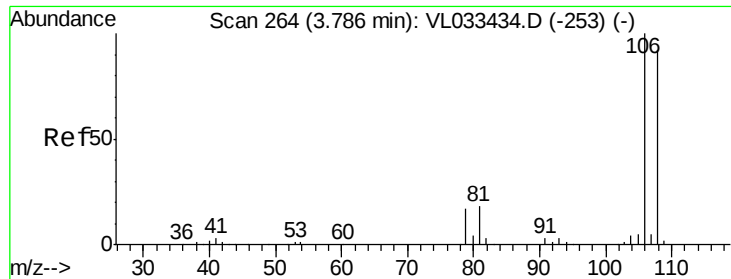
151 77.7 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#14

Bromoethene

Concen: 0.086 ppbv m

RT: 3.80 min Scan# 267

Delta R.T. 0.01 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

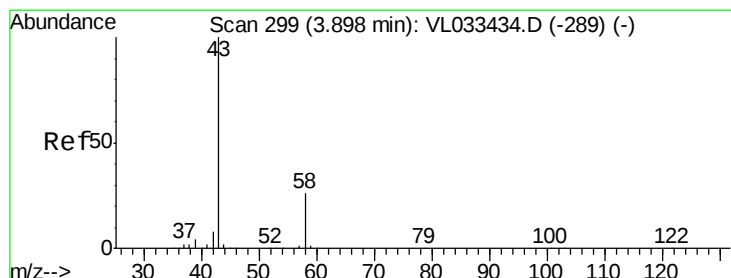
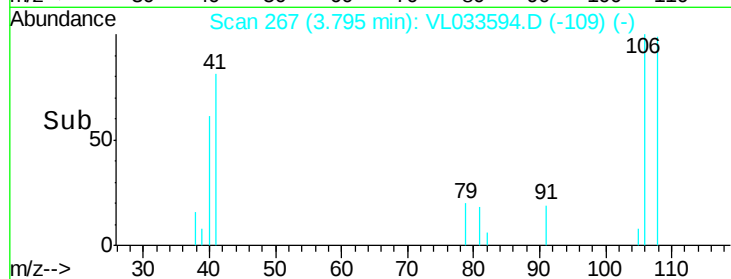
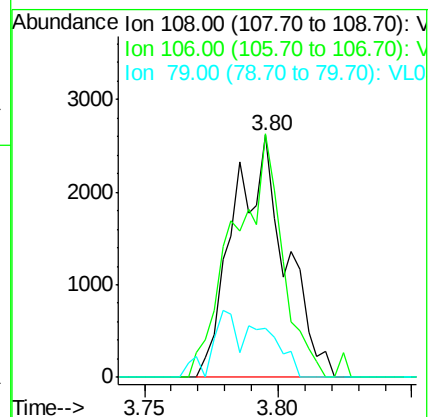
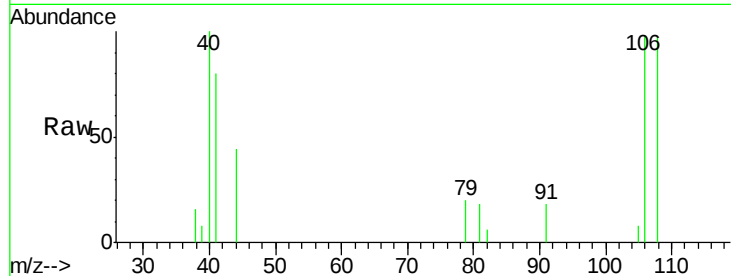
Tot Ion:108 Resp: 3545

Ion Ratio Lower Upper

108 100

106 0.0 86.4 129.6#

79 27.4 15.8 23.8#



#15

Acetone

Concen: 0.170 ppbv

RT: 3.93 min Scan# 308

Delta R.T. 0.03 min

Lab File: VL033594.D

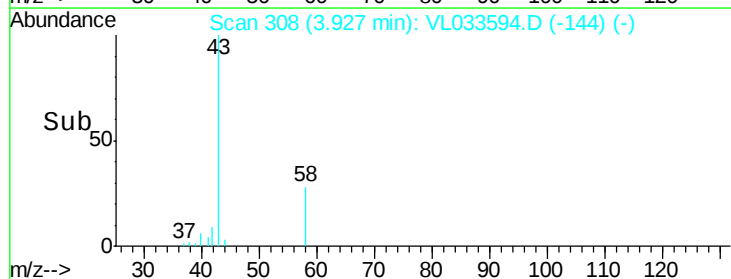
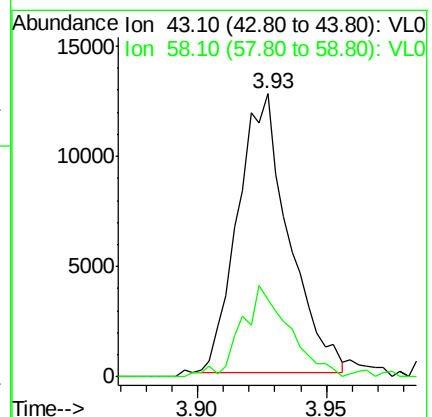
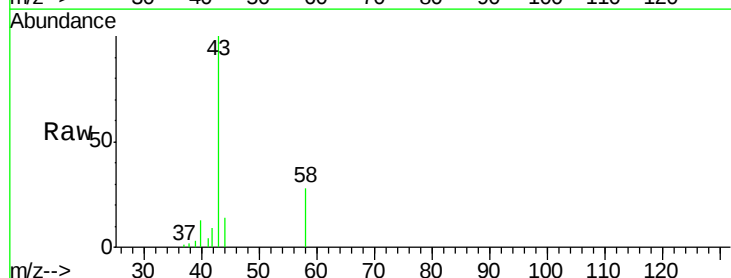
Acq: 16 Apr 2019 16:14

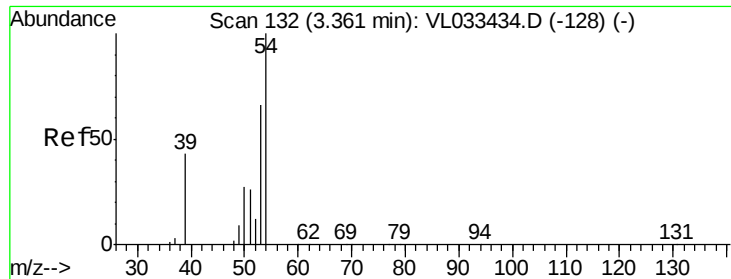
Tgt Ion: 43 Resp: 17577

Ion Ratio Lower Upper

43 100

58 31.7 20.5 30.7#

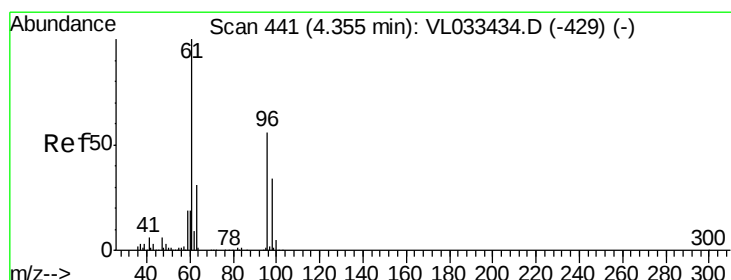
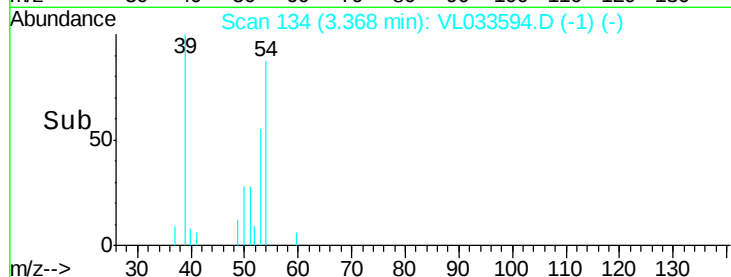
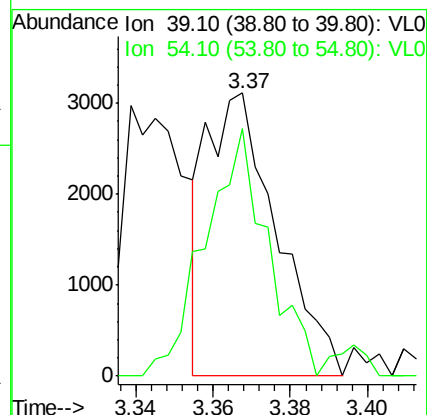
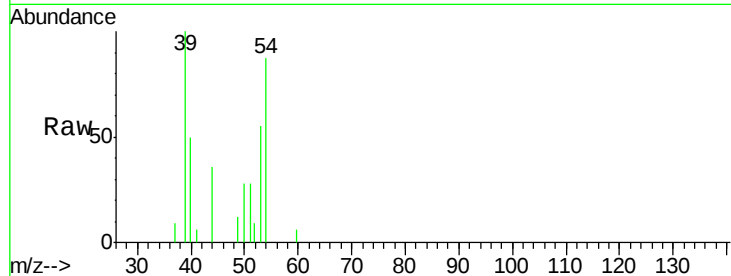




#16
1,3-Butadiene
Concen: 0.095 ppbv
RT: 3.37 min Scan# 134
Delta R.T. 0.01 min
Lab File: VL033594.D
Acq: 16 Apr 2019 16:14

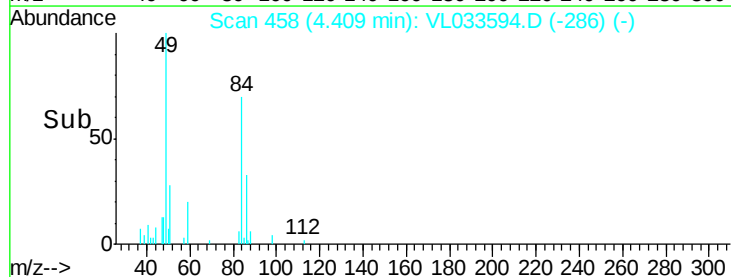
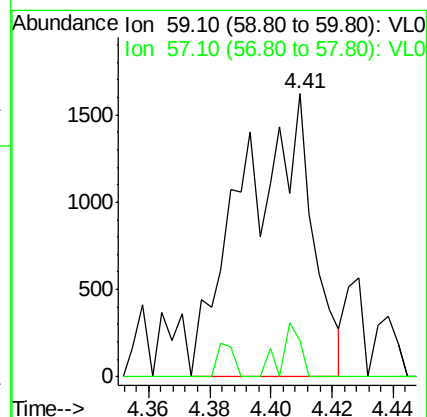
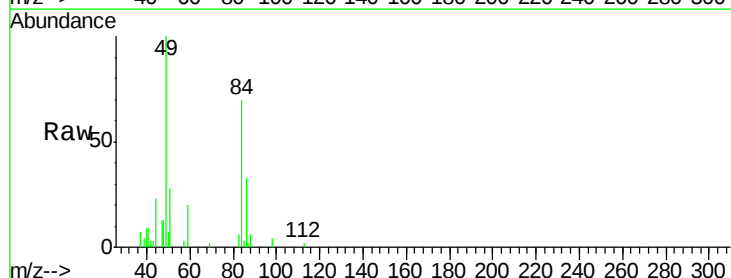
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

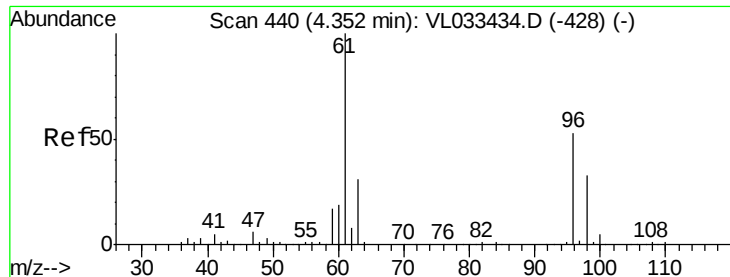
Tot Ion: 39 Resp: 3881
Ion Ratio Lower Upper
39 100
54 84.8 69.4 104.2



#17
tert-Butyl alcohol
Concen: 0.134 ppbv m
RT: 4.41 min Scan# 458
Delta R.T. 0.05 min
Lab File: VL033594.D
Acq: 16 Apr 2019 16:14

Tgt Ion: 59 Resp: 2541
Ion Ratio Lower Upper
59 100
57 4.0 7.8 11.8#





#18

1,1-Dichloroethene

Concen: 0.097 ppbv

RT: 4.35 min Scan# 439

Delta R.T. -0.00 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

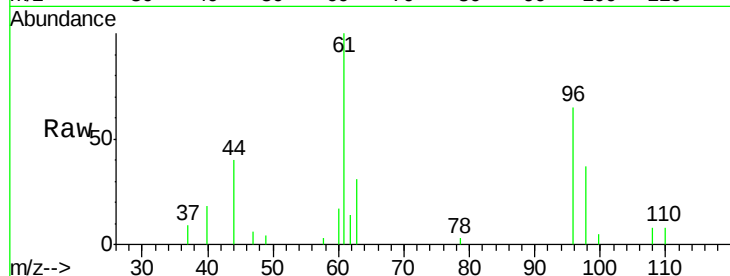
Tot Ion: 96 Resp: 4341

Ion Ratio Lower Upper

96 100

61 153.5 149.8 224.6

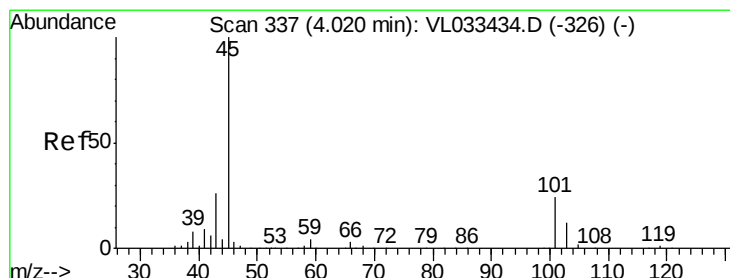
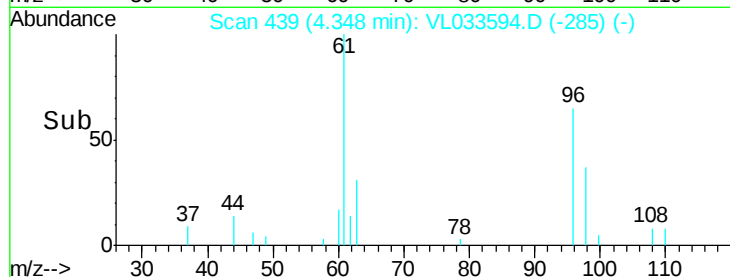
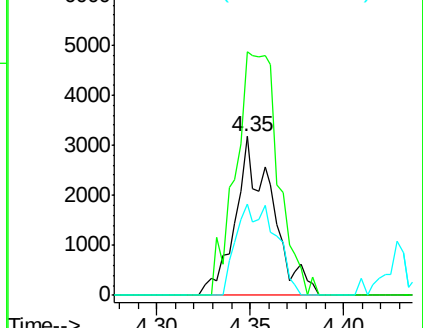
98 57.6 48.7 73.1



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



#19

Isopropyl Alcohol

Concen: 0.107 ppbv

RT: 4.05 min Scan# 347

Delta R.T. 0.03 min

Lab File: VL033594.D

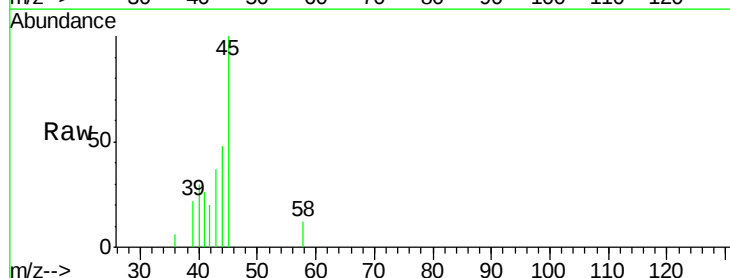
Acq: 16 Apr 2019 16:14

Tgt Ion: 45 Resp: 7027

Ion Ratio Lower Upper

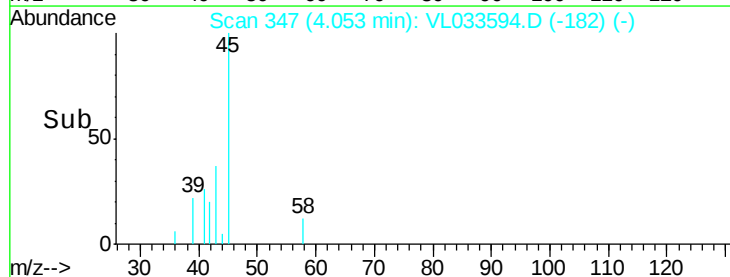
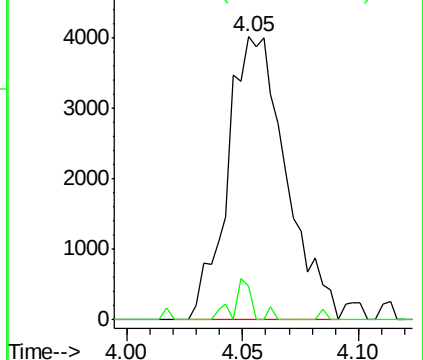
45 100

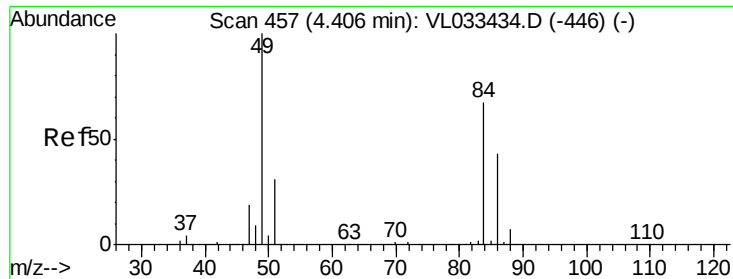
58 4.5 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

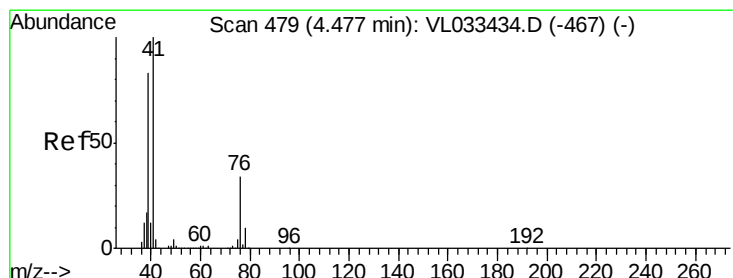
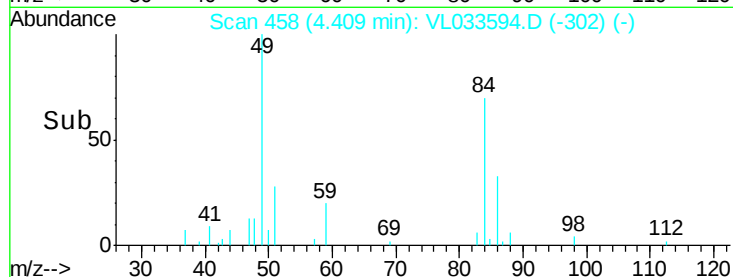
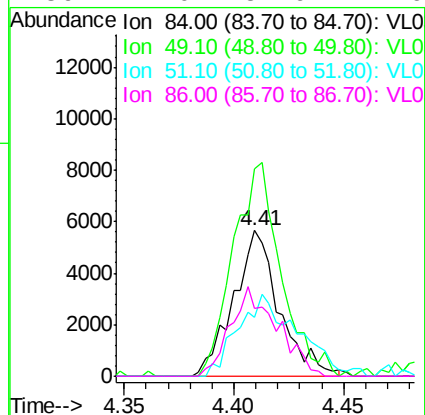
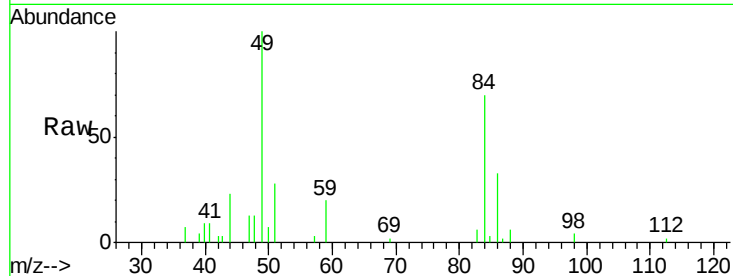




#20
Methylene Chloride
Concen: 0.188 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033594.D
Acq: 16 Apr 2019 16:14

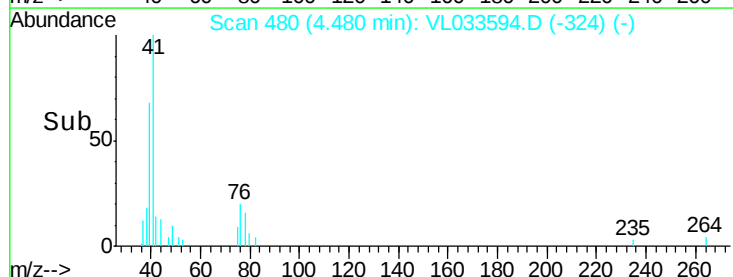
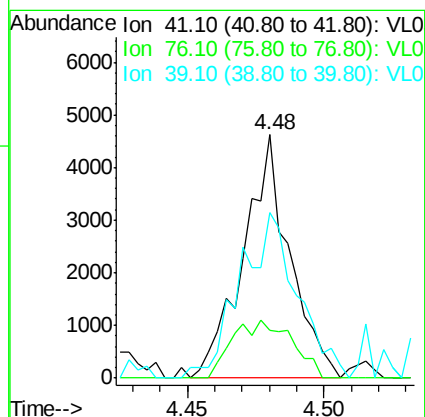
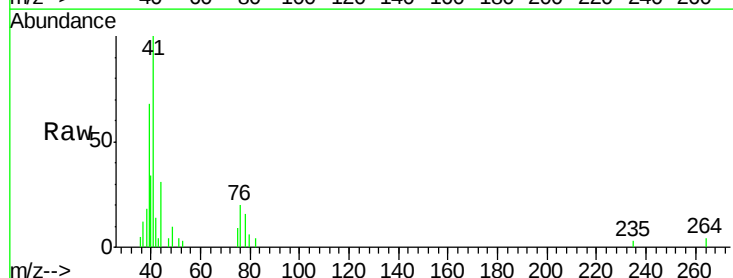
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

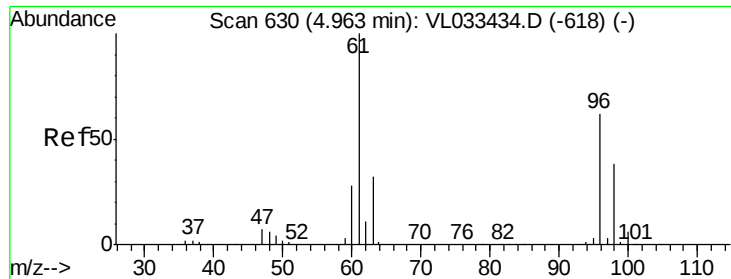
Tot Ion: 84 Resp: 8236
Ion Ratio Lower Upper
84 100
49 142.4 120.0 180.0
51 40.0 36.7 55.1
86 47.0 51.9 77.9#



#21
Allyl Chloride
Concen: 0.083 ppbv
RT: 4.48 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL033594.D
Acq: 16 Apr 2019 16:14

Tgt Ion: 41 Resp: 5428
Ion Ratio Lower Upper
41 100
76 30.8 25.4 38.2
39 98.1 65.3 97.9#





#22

trans-1,2-Dichloroethene

Concen: 0.092 ppbv

RT: 4.97 min Scan# 631

Delta R.T. 0.00 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

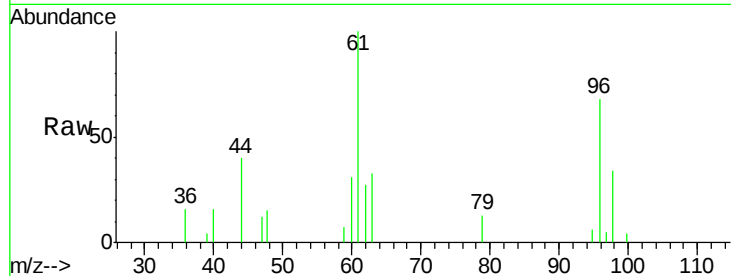
Tot Ion: 96 Resp: 4286

Ion Ratio Lower Upper

96 100

61 135.5 128.9 193.3

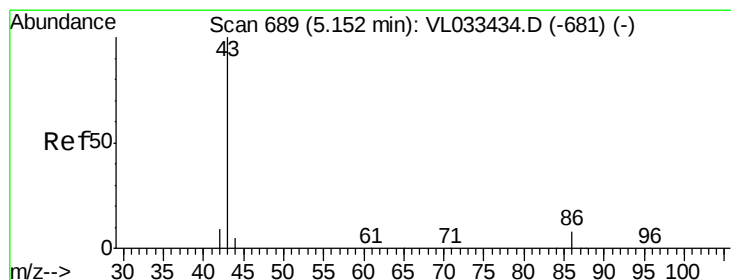
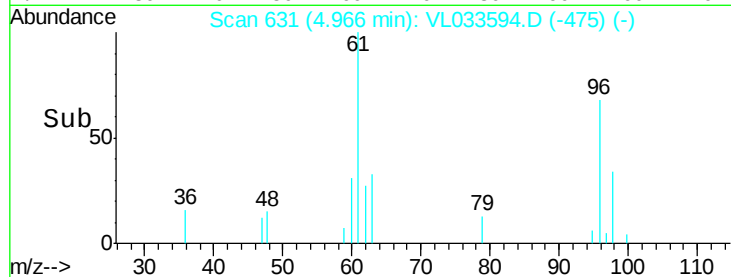
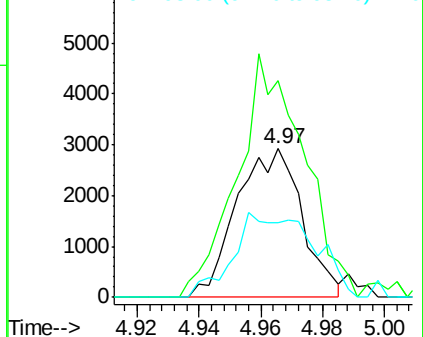
98 50.2 49.5 74.3



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: 0.057 ppbv

RT: 5.16 min Scan# 692

Delta R.T. 0.01 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

Tgt Ion: 43 Resp: 8372

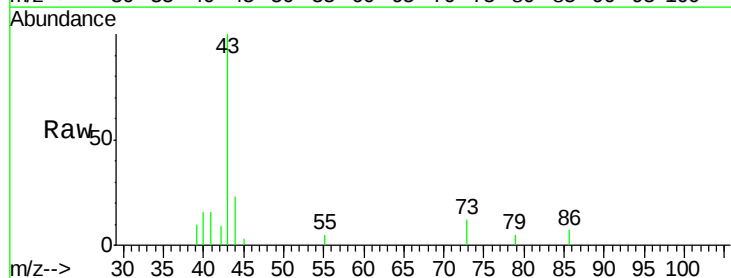
Ion Ratio Lower Upper

43 100

86 0.0 5.6 8.4#

42 0.8 8.0 12.0#

44 7.6 3.9 5.9#

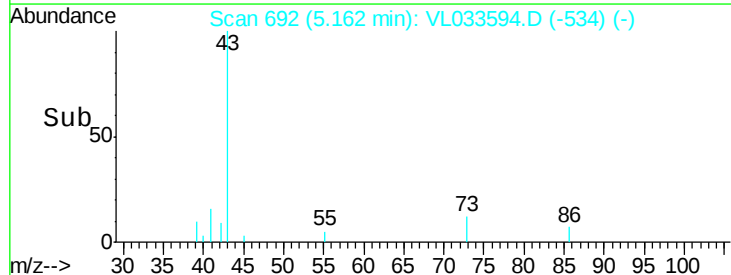
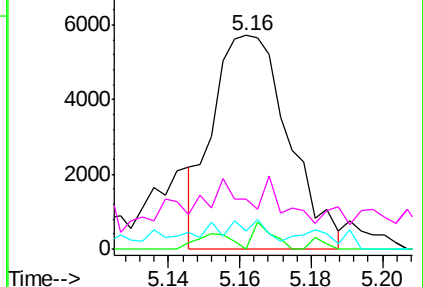


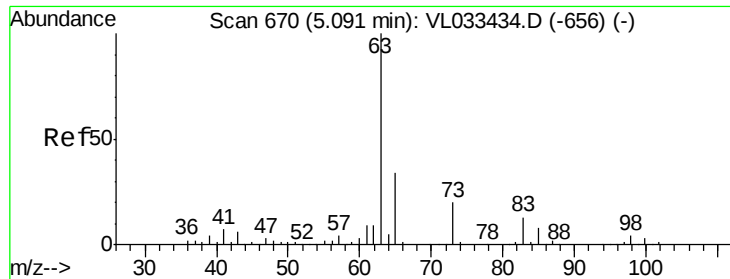
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

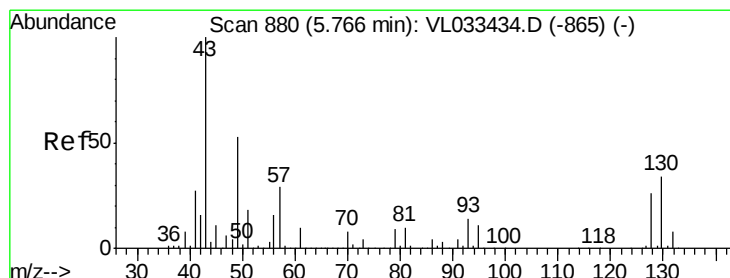
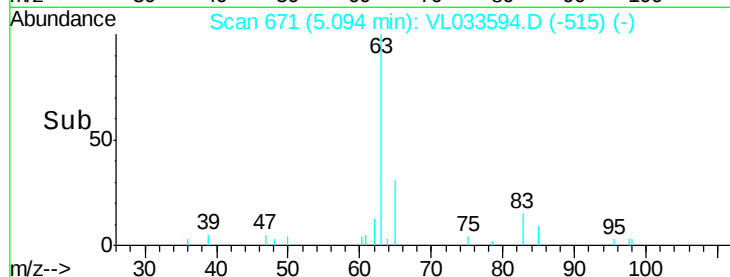
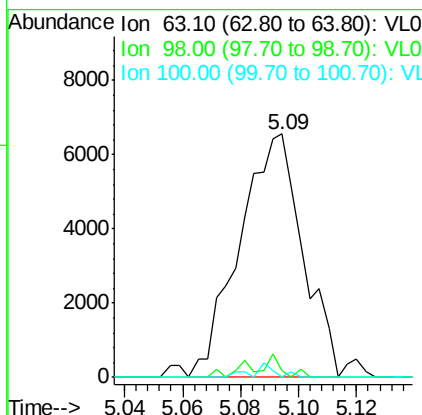
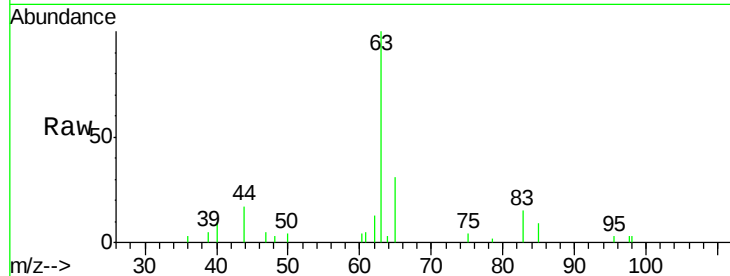




#24
 1,1-Dichloroethane
 Concen: 0.089 ppbv
 RT: 5.09 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VL033594.D
 Acq: 16 Apr 2019 16:14

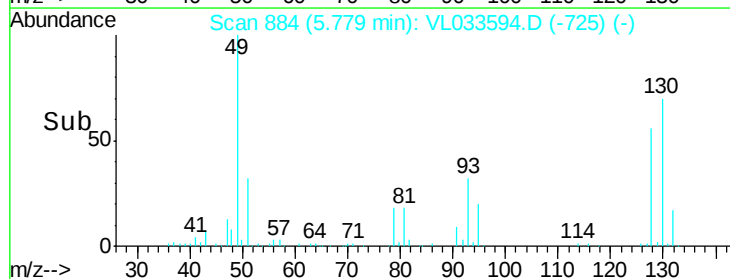
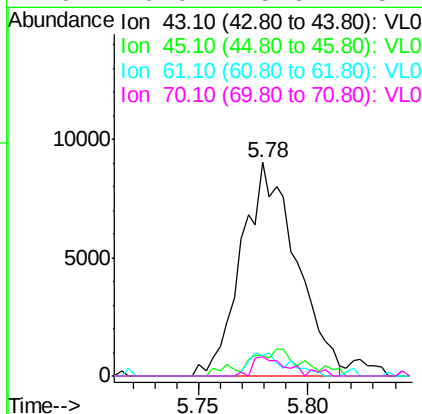
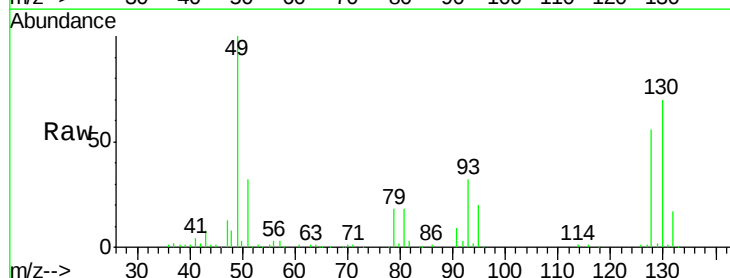
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

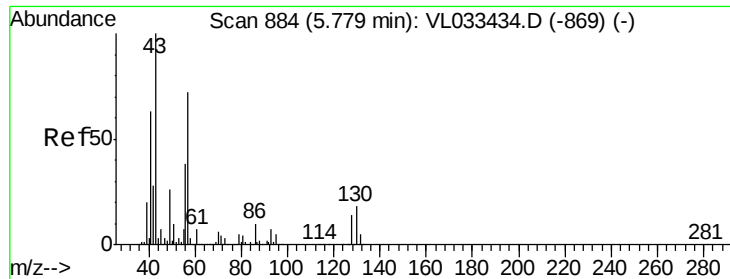
Tot Ion:	63	Resp:	9932
Ion	Ratio	Lower	Upper
63	100		
98	2.7	2.2	6.6
100	0.0	1.5	4.4#



#25
 Ethyl Acetate
 Concen: 0.082 ppbv m
 RT: 5.78 min Scan# 884
 Delta R.T. 0.01 min
 Lab File: VL033594.D
 Acq: 16 Apr 2019 16:14

Tgt Ion:	43	Resp:	15700
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.6#
61	0.0	7.3	10.9#
70	0.0	5.6	8.4#





#26

Hexane

Concen: 0.076 ppbv m

RT: 5.78 min Scan# 883

Delta R.T. -0.00 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tot Ion: 57 Resp: 6522

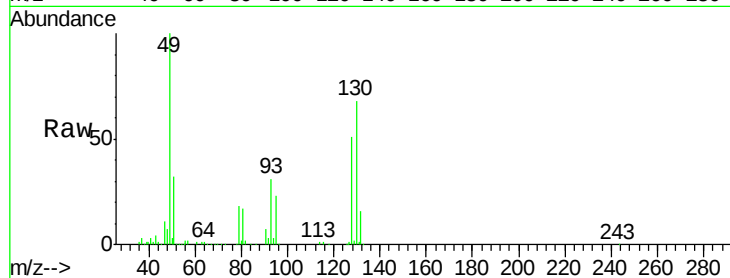
Ion Ratio Lower Upper

57 100

41 113.4 70.7 106.1#

43 249.3 182.6 274.0

56 68.2 42.0 63.0#

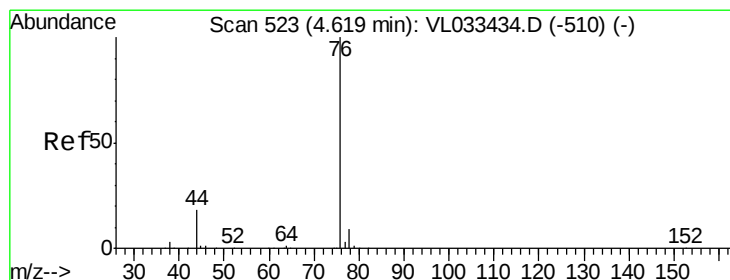
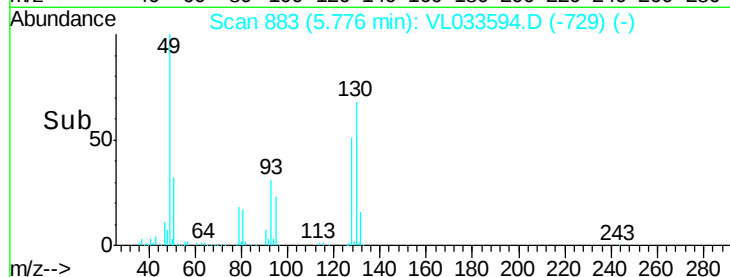
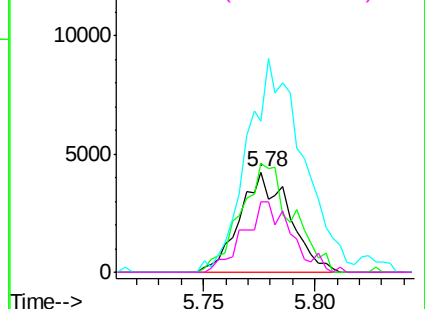


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.070 ppbv

RT: 4.62 min Scan# 525

Delta R.T. 0.01 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

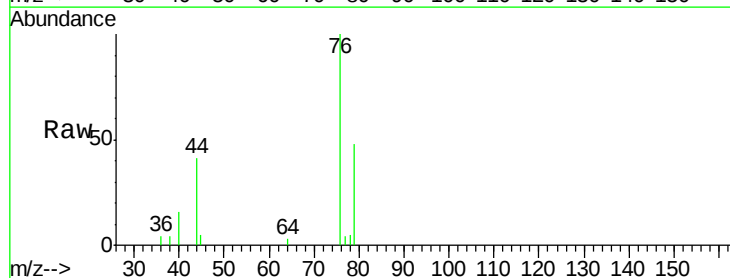
Tgt Ion: 76 Resp: 7082

Ion Ratio Lower Upper

76 100

44 56.5 14.8 22.2#

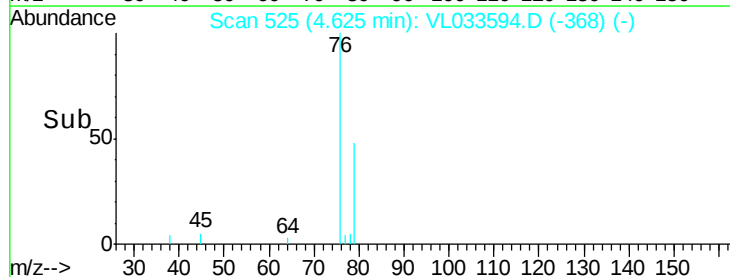
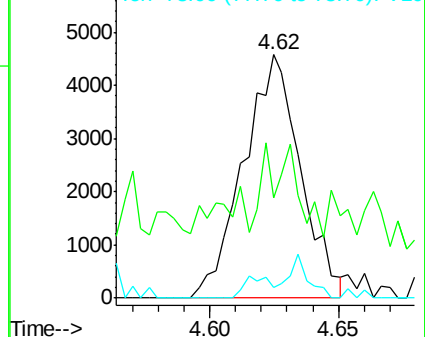
78 10.7 7.6 11.4

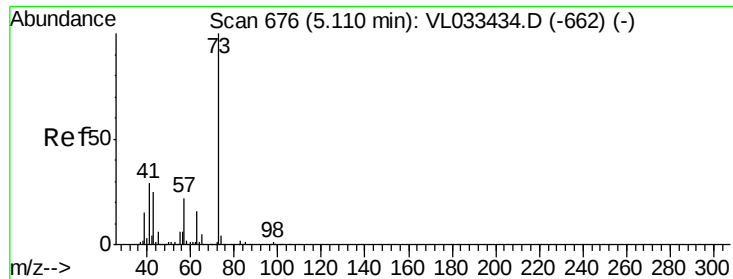


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



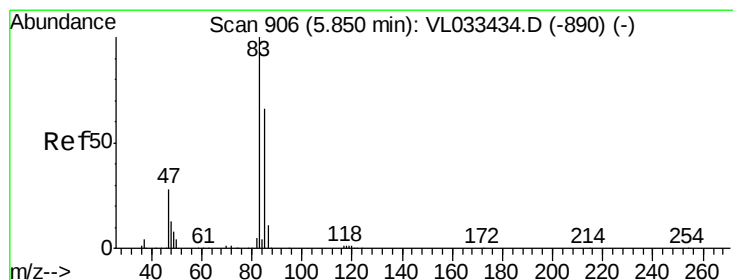
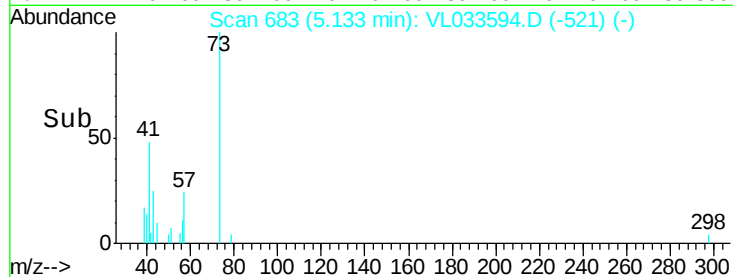
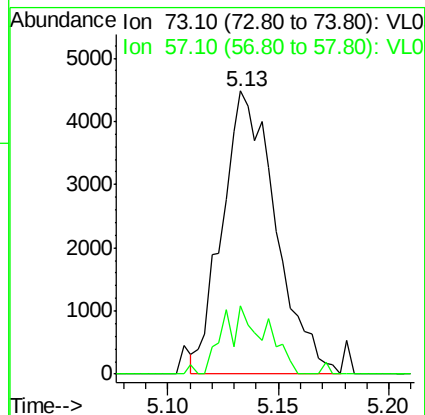
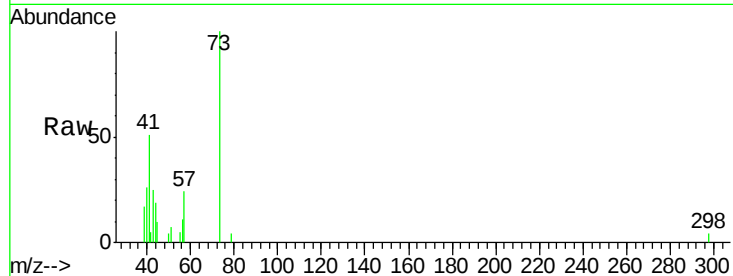


#28

Methvl tert-Butvl Ether
 Concen: 0.061 ppbv
 RT: 5.13 min Scan# 683
 Delta R.T. 0.02 min
 Lab File: VL033594.D
 Acq: 16 Apr 2019 16:14

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

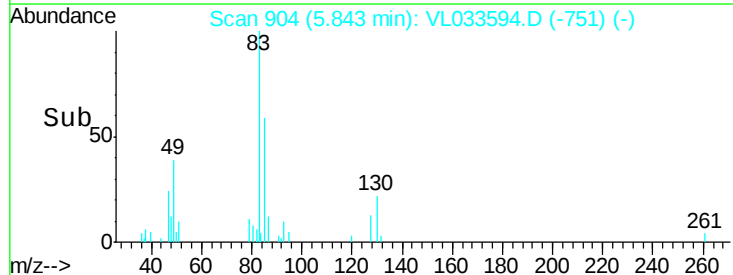
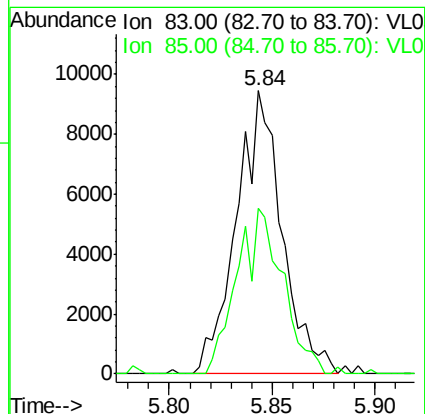
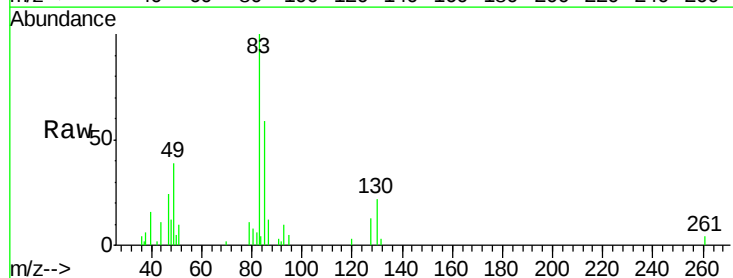
Tot Ion: 73 Resp: 7529
 Ion Ratio Lower Upper
 73 100
 57 19.5 17.4 26.2

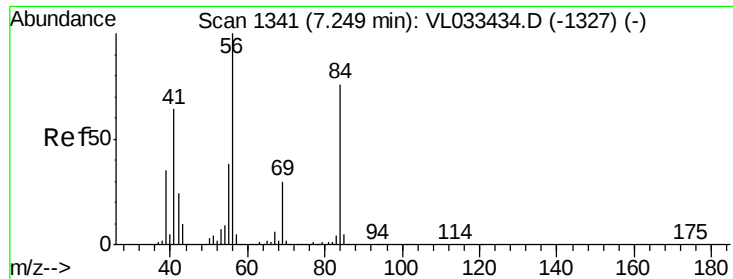


#29

Chloroform
 Concen: 0.099 ppbv m
 RT: 5.84 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: VL033594.D
 Acq: 16 Apr 2019 16:14

Tgt Ion: 83 Resp: 14530
 Ion Ratio Lower Upper
 83 100
 85 58.7 52.6 79.0

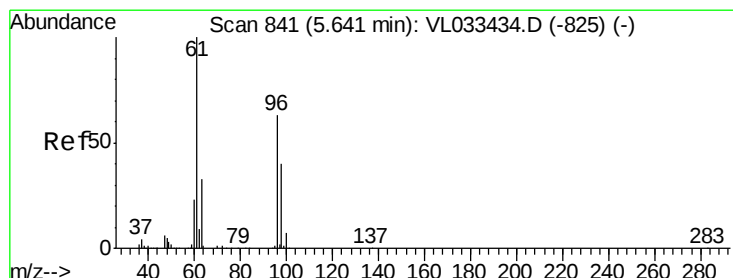
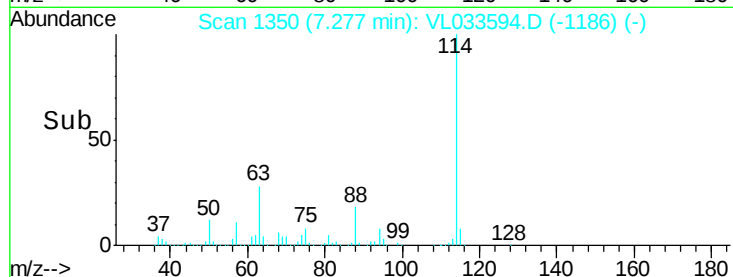
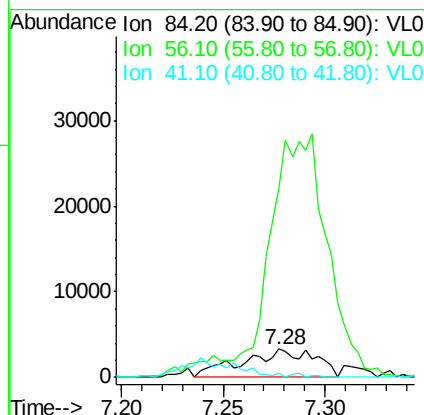
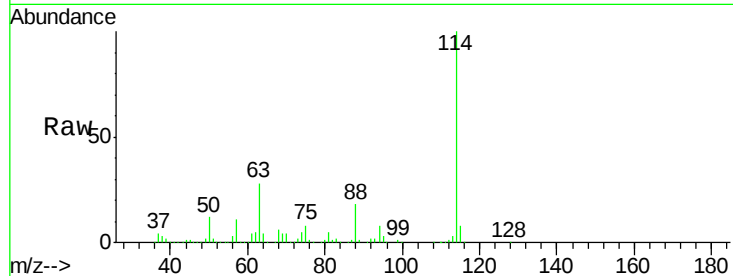




#30
Cvclohexane
Concen: 0.120 ppbv m
RT: 7.28 min Scan# 1350
Delta R.T. 0.03 min
Lab File: VL033594.D
Acq: 16 Apr 2019 16:14

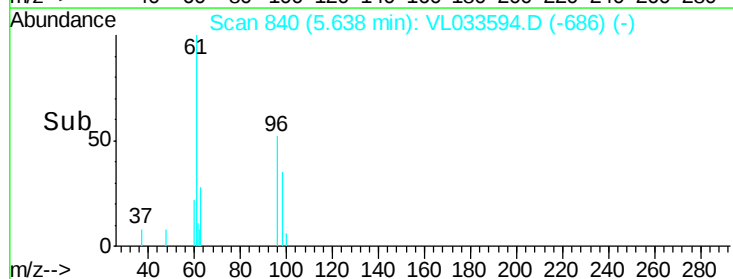
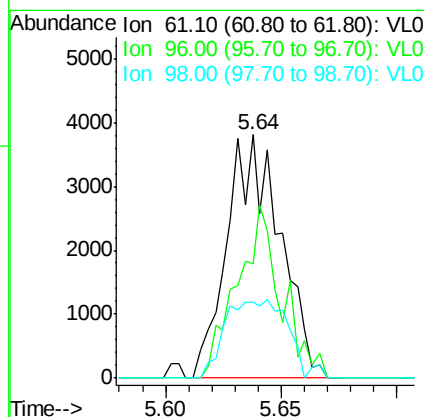
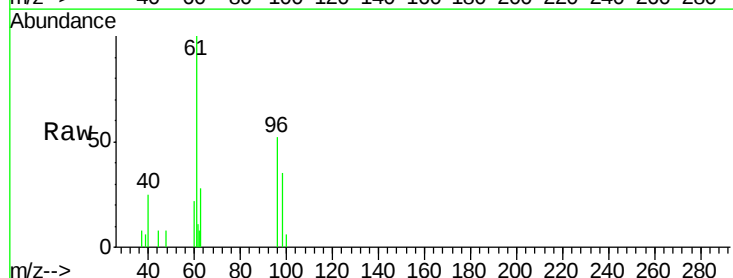
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

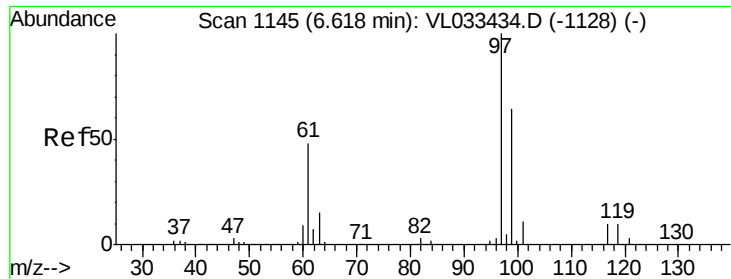
Tot Ion: 84 Resp: 8131
Ion Ratio Lower Upper
84 100
56 0.0 109.7 164.5#
41 0.0 68.2 102.2#



#31
cis-1,2-Dichloroethene
Concen: 0.071 ppbv m
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033594.D
Acq: 16 Apr 2019 16:14

Tgt Ion: 61 Resp: 6056
Ion Ratio Lower Upper
61 100
96 52.3 50.6 76.0
98 34.6 32.2 48.2

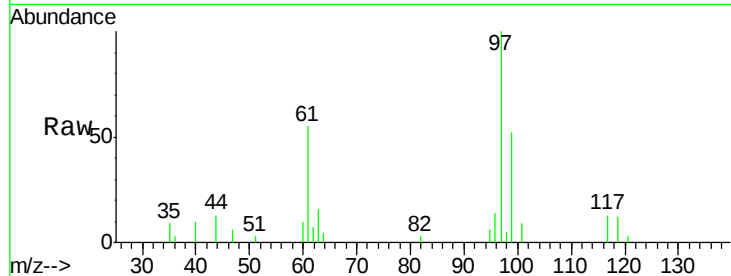




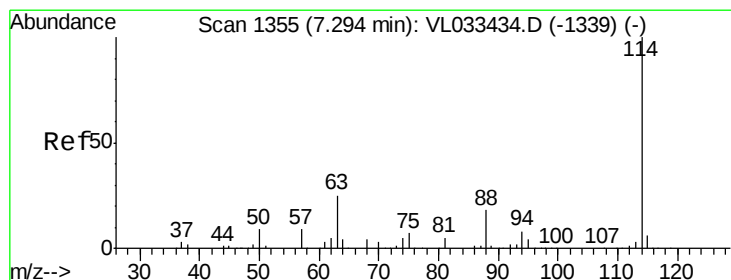
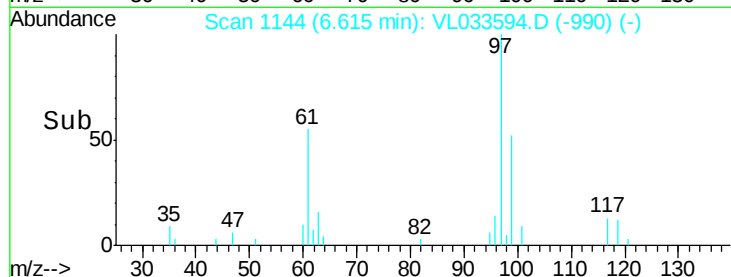
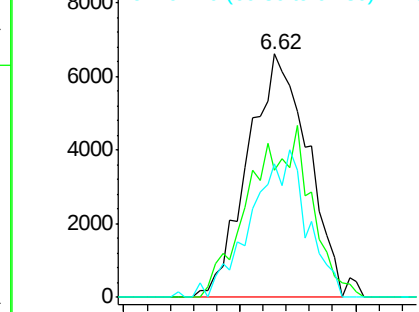
#32
 1,1,1-Trichloroethane
 Concen: 0.085 ppbv
 RT: 6.62 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VL033594.D
 Acq: 16 Apr 2019 16:14

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Tot Ion: 97 Resp: 11865
 Ion Ratio Lower Upper
 97 100
 99 71.1 51.5 77.3
 61 56.1 38.8 58.2

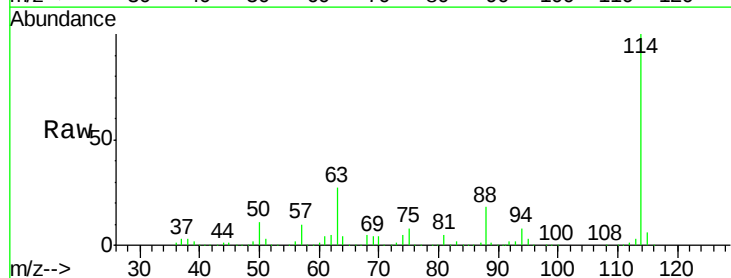


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0

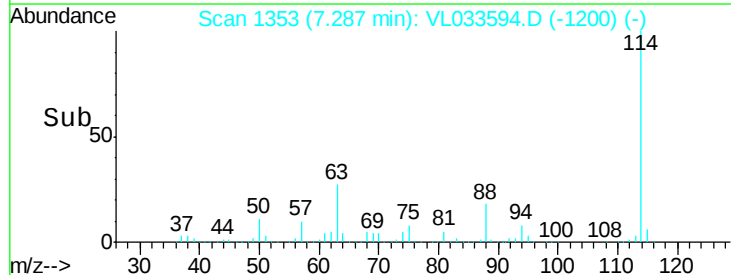
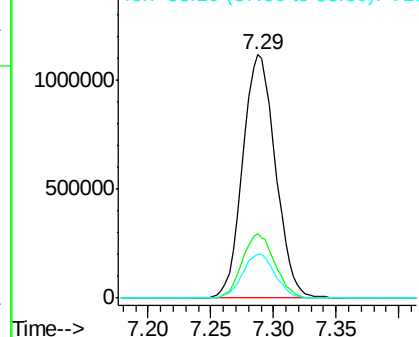


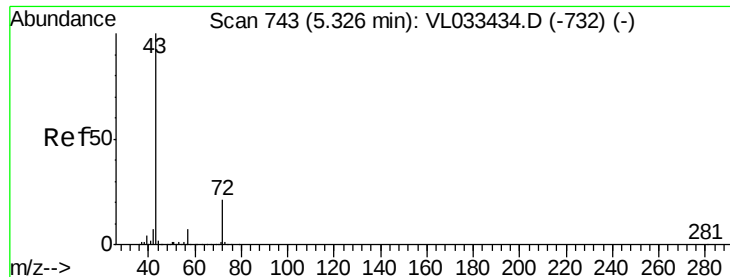
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033594.D
 Acq: 16 Apr 2019 16:14

Tgt Ion: 114 Resp: 2031863
 Ion Ratio Lower Upper
 114 100
 63 26.4 21.5 32.3
 88 18.1 14.5 21.7



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

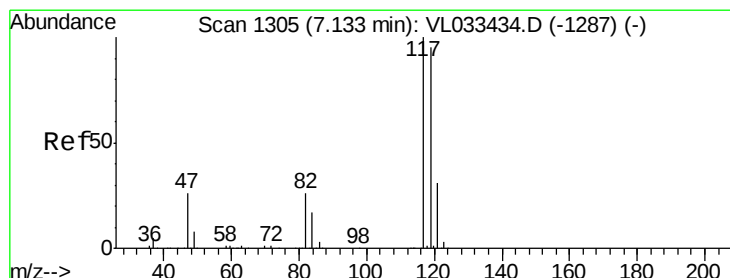
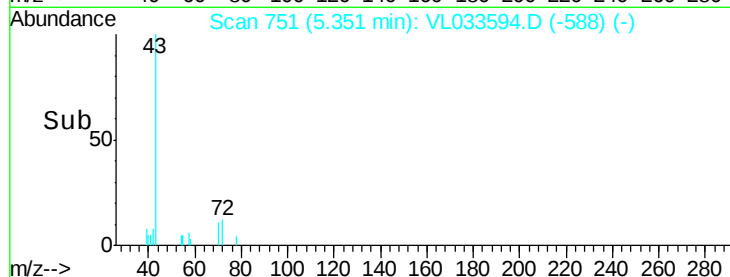
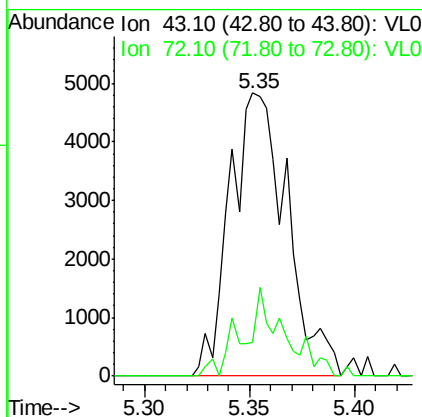
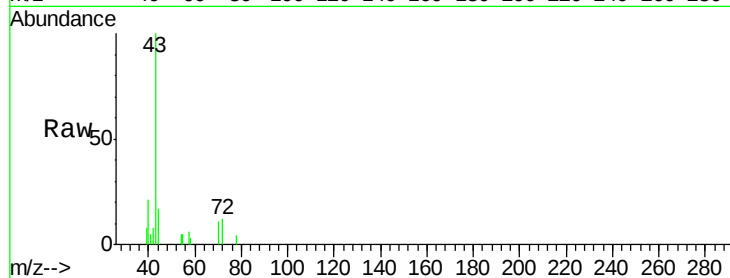




#34
2-Butanone
Concen: 0.075 ppbv m
RT: 5.35 min Scan# 751
Delta R.T. 0.03 min
Lab File: VL033594.D
Acq: 16 Apr 2019 16:14

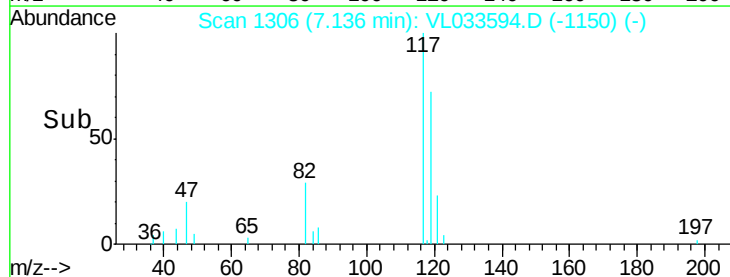
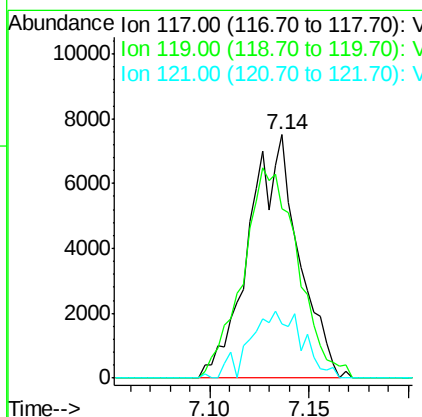
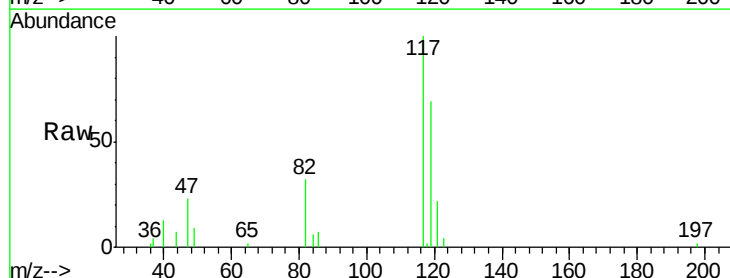
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

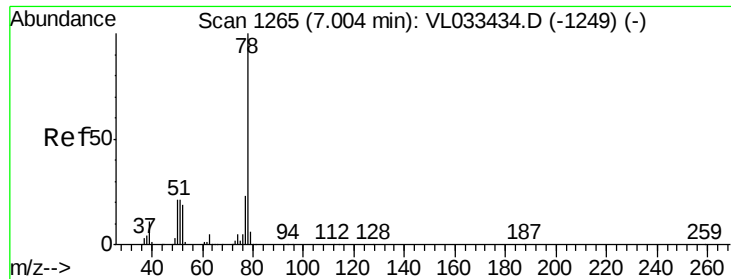
Tot Ion: 43 Resp: 9139
Ion Ratio Lower Upper
43 100
72 0.0 17.4 26.2#



#35
Carbon Tetrachloride
Concen: 0.091 ppbv m
RT: 7.14 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VL033594.D
Acq: 16 Apr 2019 16:14

Tgt Ion: 117 Resp: 13120
Ion Ratio Lower Upper
117 100
119 69.4 75.8 113.8#
121 22.3 24.7 37.1#





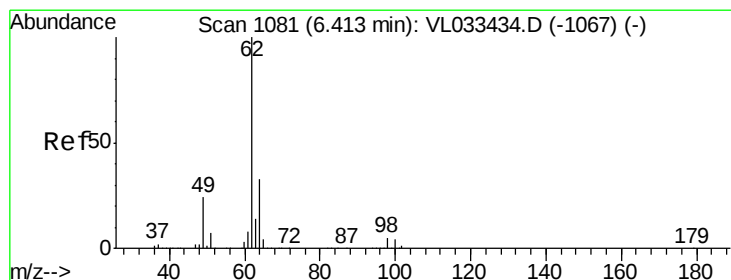
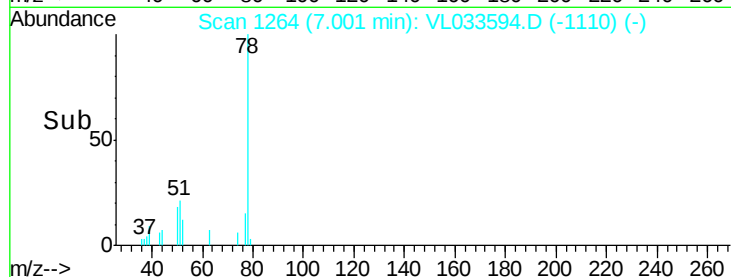
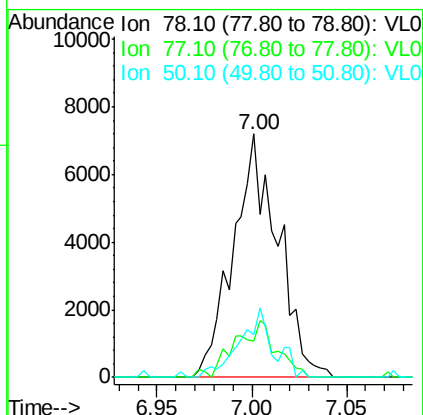
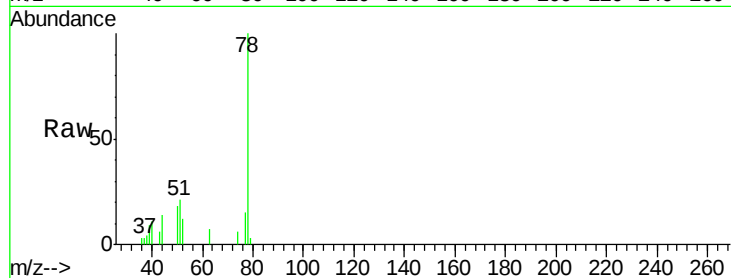
#36

Benzene

Concen: 0.069 ppbv m
 RT: 7.00 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VL033594.D
 Acq: 16 Apr 2019 16:14

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Tot Ion: 78 Resp: 11750
 Ion Ratio Lower Upper
 78 100
 77 14.9 18.1 27.1#
 50 17.6 16.7 25.1

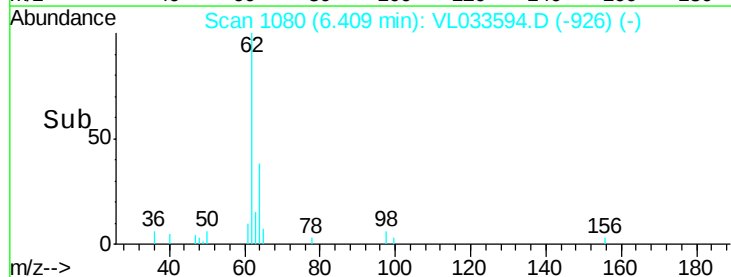
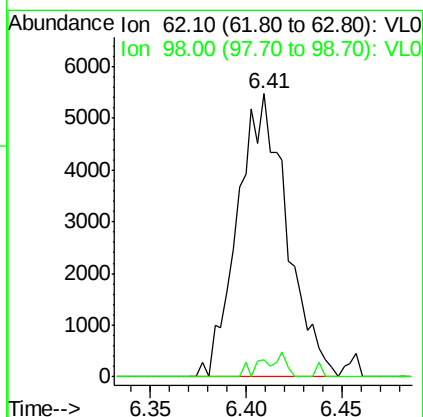
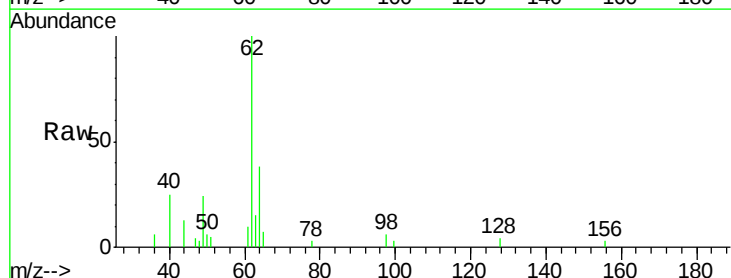


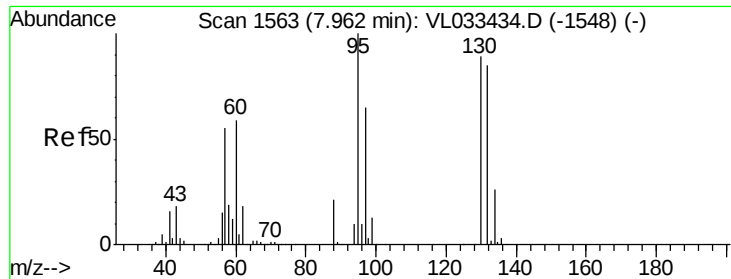
#37

1,2-Dichloroethane

Concen: 0.086 ppbv m
 RT: 6.41 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VL033594.D
 Acq: 16 Apr 2019 16:14

Tgt Ion: 62 Resp: 9821
 Ion Ratio Lower Upper
 62 100
 98 4.6 4.4 6.6

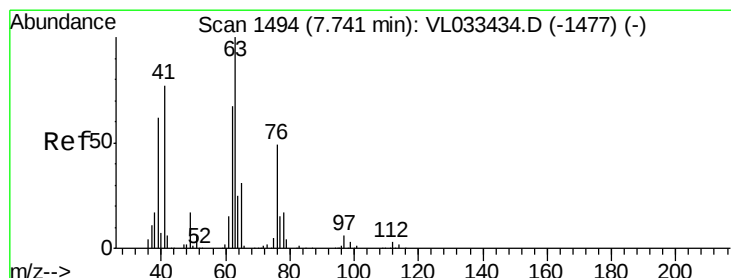
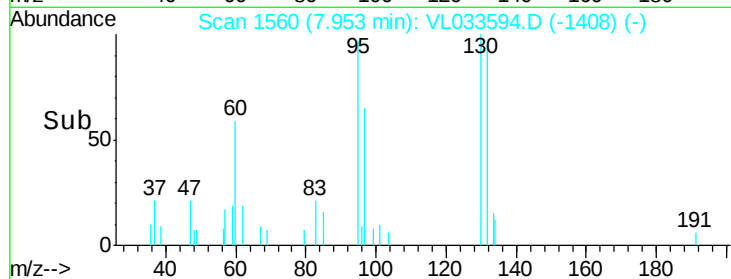
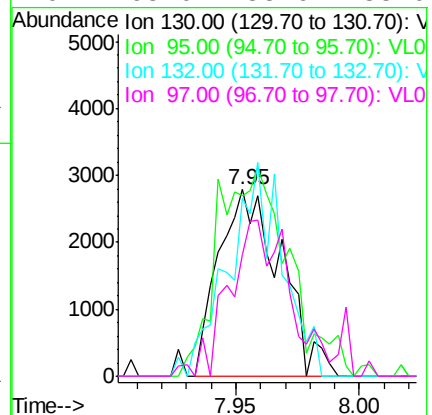
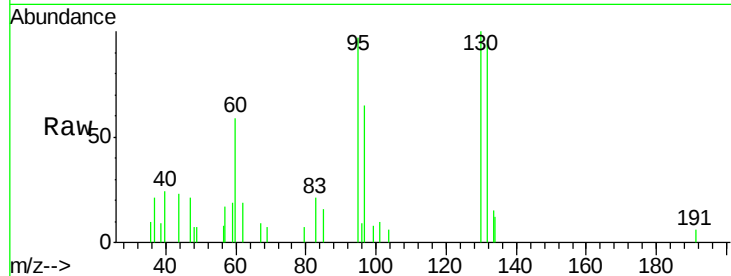




#38
 Trichloroethene
 Concen: 0.076 ppbv m
 RT: 7.95 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: VL033594.D
 Acq: 16 Apr 2019 16:14

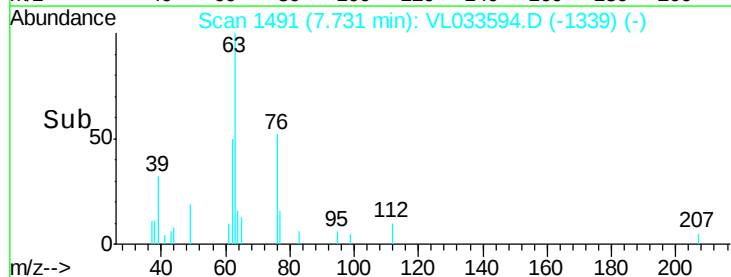
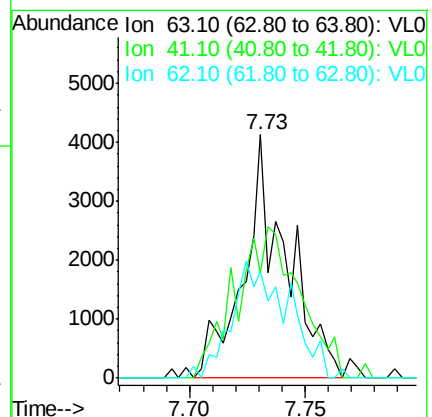
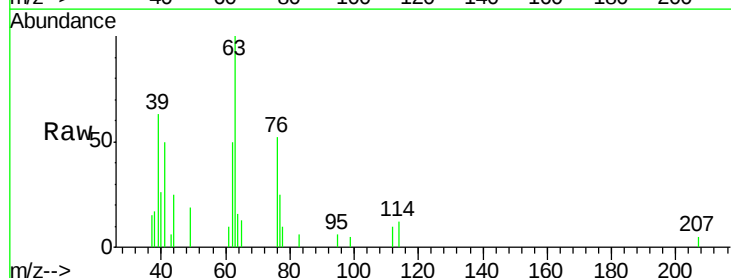
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

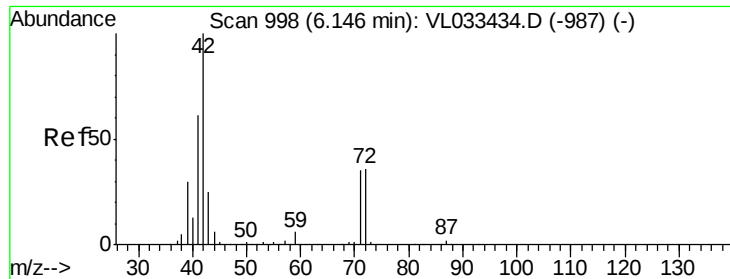
Tot Ion:130 Resp: 4868
 Ion Ratio Lower Upper
 130 100
 95 97.1 89.8 134.8
 132 95.5 76.6 115.0
 97 65.0 58.6 88.0



#39
 1,2-Dichloropropane
 Concen: 0.079 ppbv m
 RT: 7.73 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: VL033594.D
 Acq: 16 Apr 2019 16:14

Tgt Ion: 63 Resp: 5266
 Ion Ratio Lower Upper
 63 100
 41 50.1 61.2 91.8#
 62 50.5 54.0 81.0#





#41

Tetrahydrofuran

Concen: 0.049 ppbv m

RT: 6.19 min Scan# 1011

Delta R.T. 0.04 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

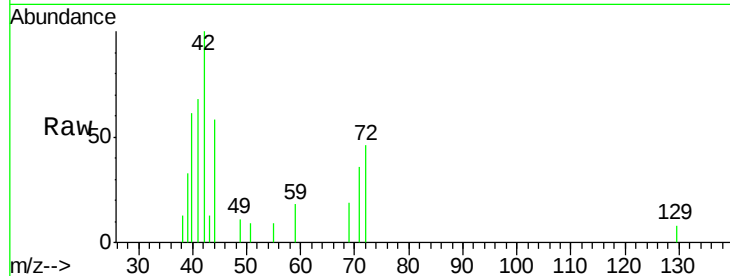
Tot Ion: 42 Resp: 3262

Ion Ratio Lower Upper

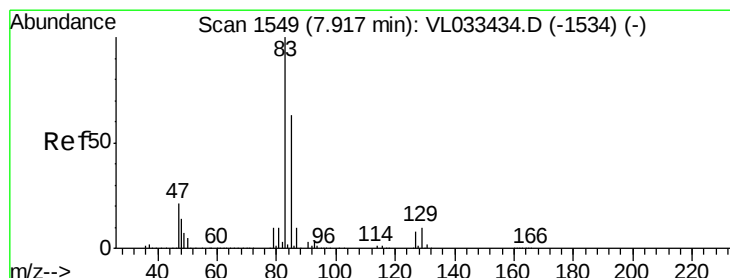
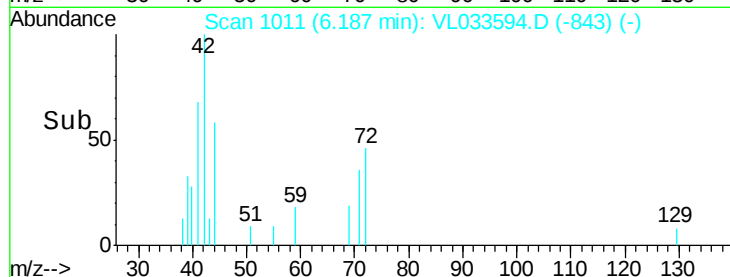
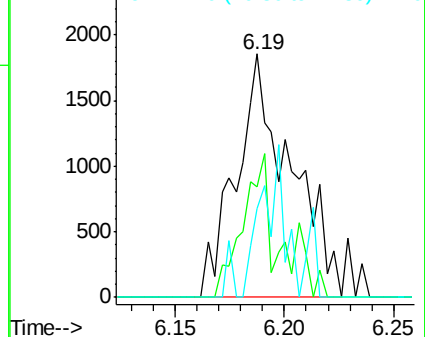
42 100

72 0.0 30.2 45.2#

71 0.0 29.4 44.2#



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



#42

Bromodichloromethane

Concen: 0.076 ppbv m

RT: 7.91 min Scan# 1547

Delta R.T. -0.01 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

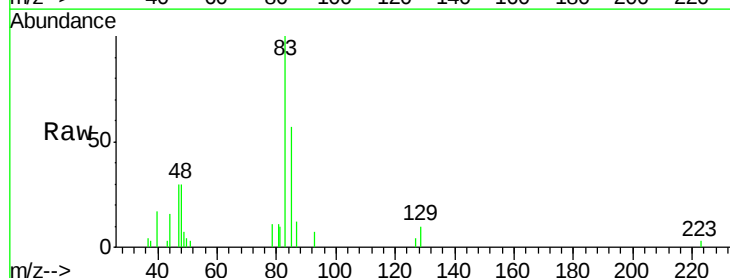
Tgt Ion: 83 Resp: 11828

Ion Ratio Lower Upper

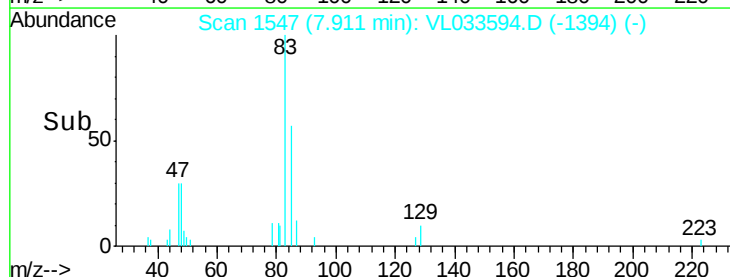
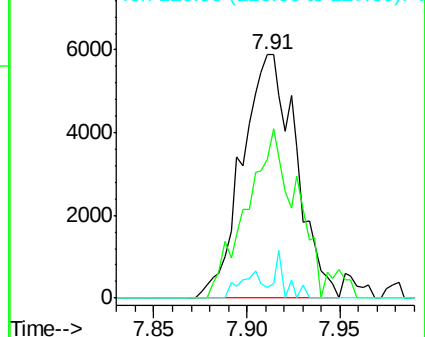
83 100

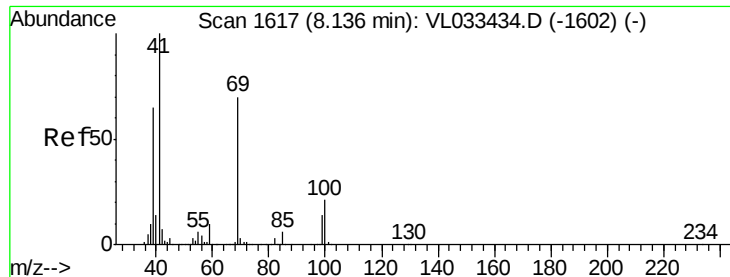
85 57.1 50.7 76.1

127 4.4 6.6 9.8#



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

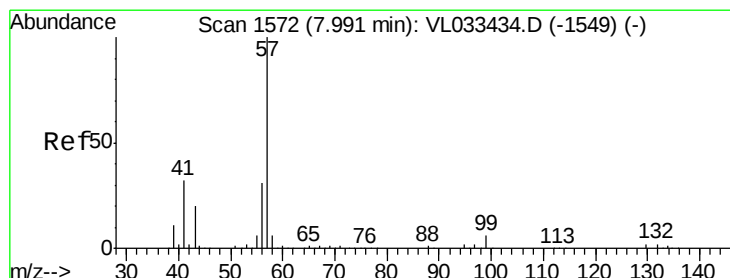
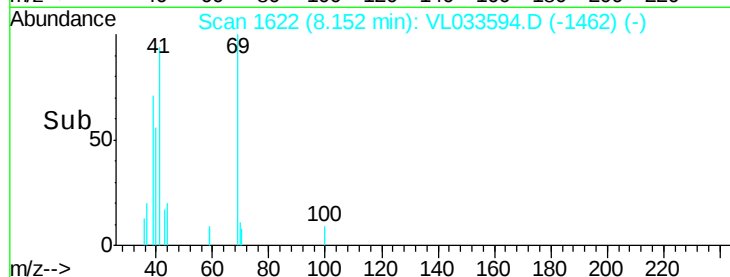
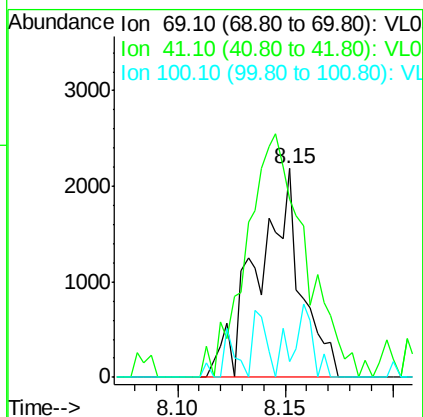
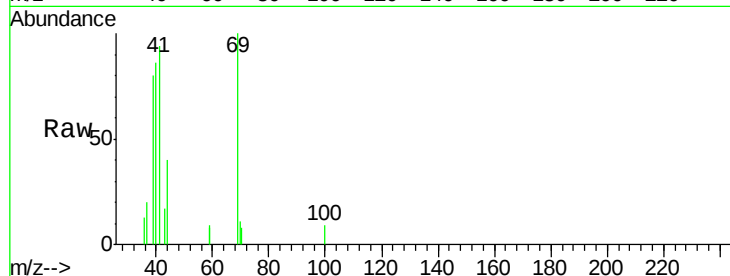




#43
Methyl Methacrylate
Concen: 0.044 ppbv m
RT: 8.15 min Scan# 1622
Delta R.T. 0.02 min
Lab File: VL033594.D
Acq: 16 Apr 2019 16:14

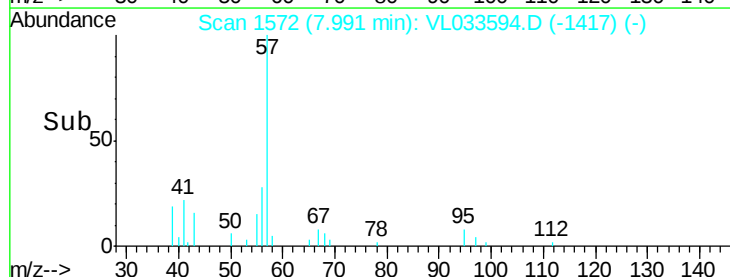
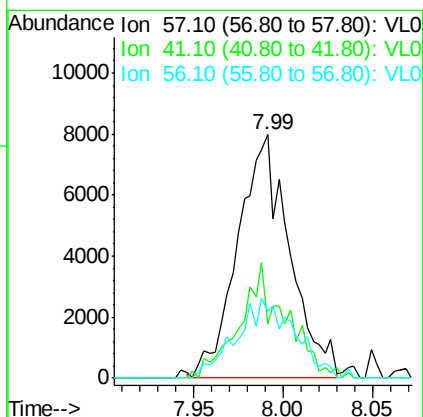
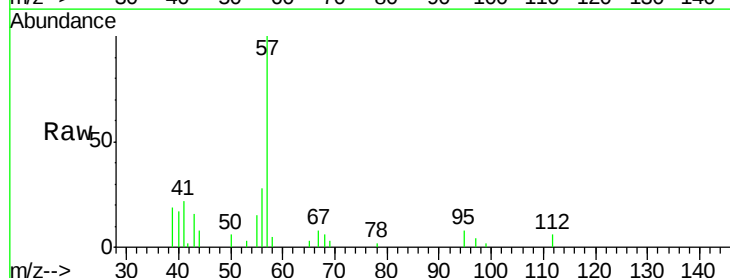
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

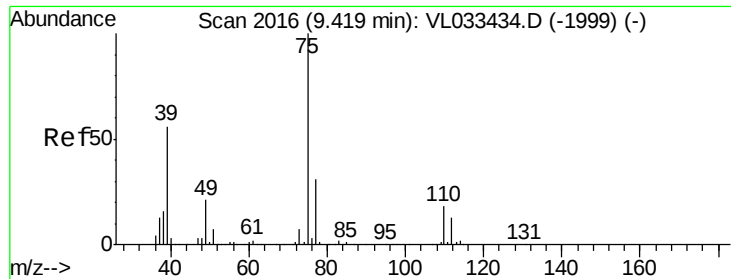
Tot Ion: 69 Resp: 3068
Ion Ratio Lower Upper
69 100
41 0.0 116.6 174.8#
100 0.0 24.4 36.6#



#44
2,2,4-Trimethylpentane
Concen: 0.054 ppbv m
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033594.D
Acq: 16 Apr 2019 16:14

Tgt Ion: 57 Resp: 16024
Ion Ratio Lower Upper
57 100
41 42.1 26.0 39.0#
56 36.7 24.6 37.0





#45

t-1,3-Dichloropropene

Concen: 0.046 ppbv

RT: 9.41 min Scan# 2013

Delta R.T. -0.01 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

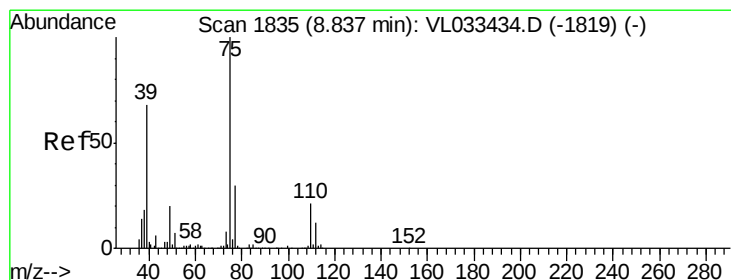
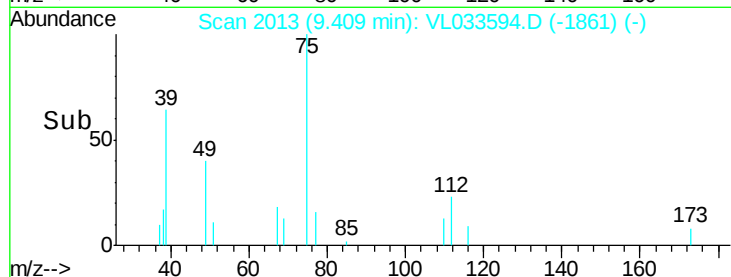
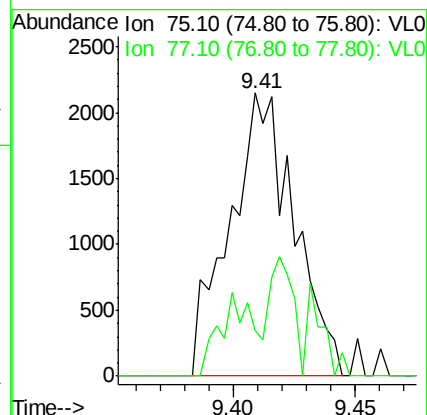
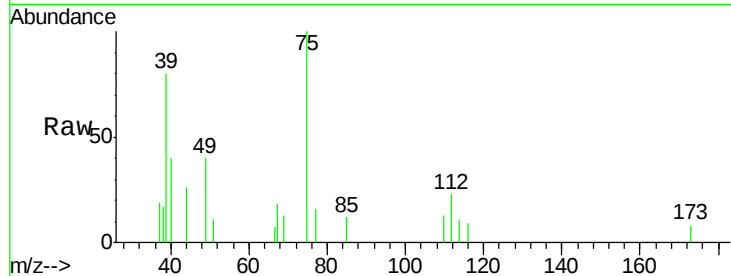
LOD-MDL-AIR-01-QT2-2019

Tot Ion: 75 Resp: 3938

Ion Ratio Lower Upper

75 100

77 16.1 24.5 36.7#



#46

cis-1,3-Dichloropropene

Concen: 0.057 ppbv m

RT: 8.84 min Scan# 1836

Delta R.T. 0.00 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

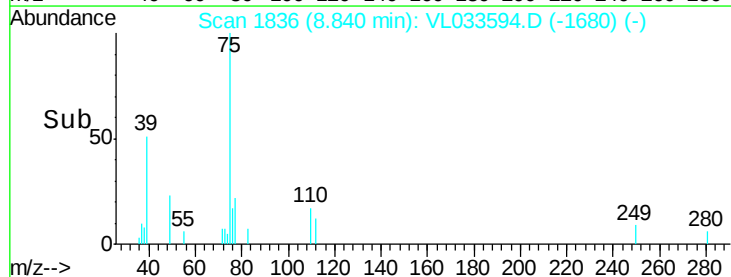
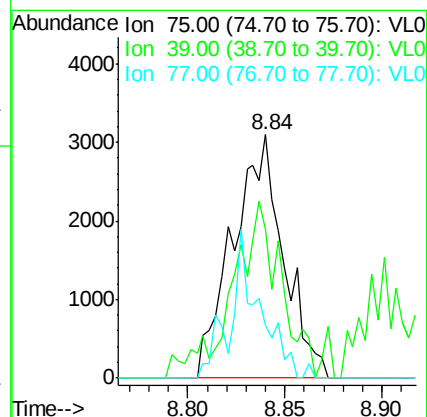
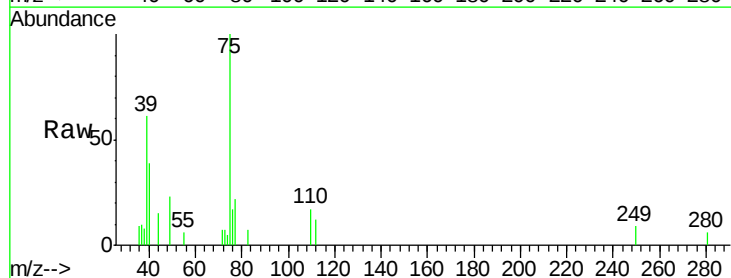
Tgt Ion: 75 Resp: 5619

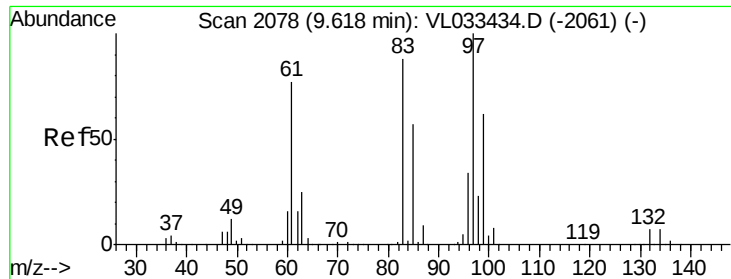
Ion Ratio Lower Upper

75 100

39 61.3 54.1 81.1

77 21.6 23.9 35.9#

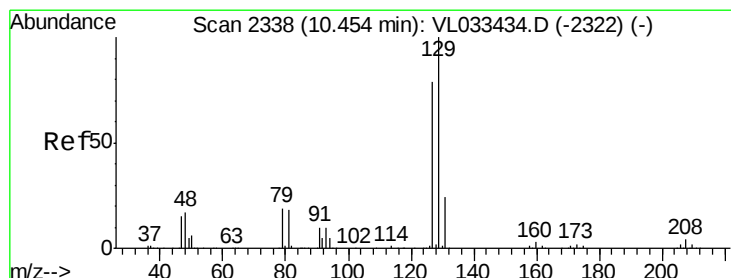
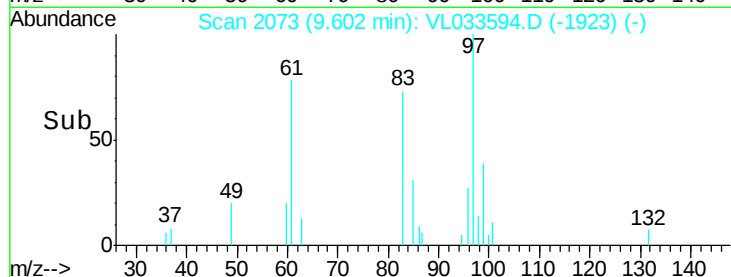
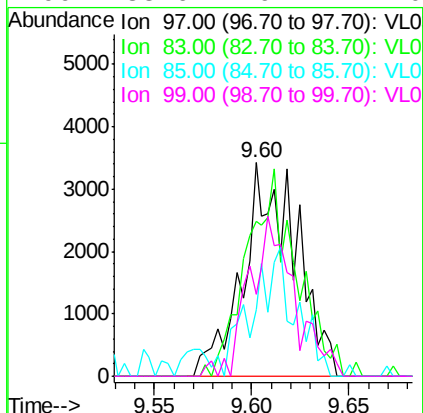
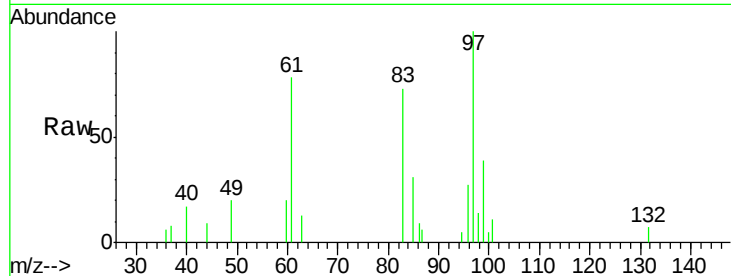




#47
 1,1,2-Trichloroethane
 Concen: 0.085 ppbv m
 RT: 9.60 min Scan# 2073
 Delta R.T. -0.02 min
 Lab File: VL033594.D
 Acq: 16 Apr 2019 16:14

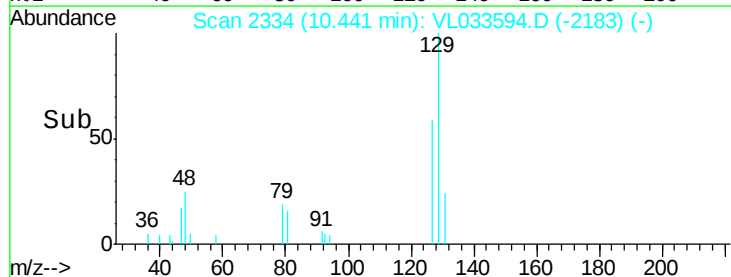
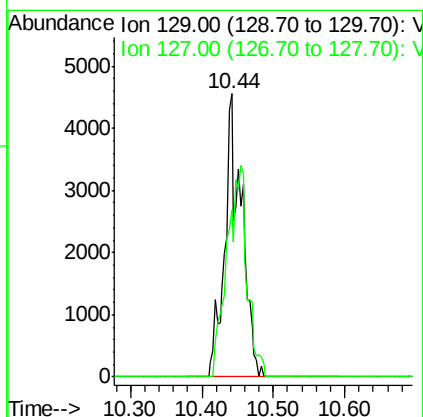
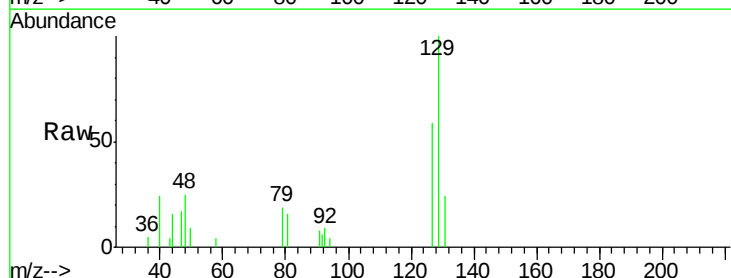
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

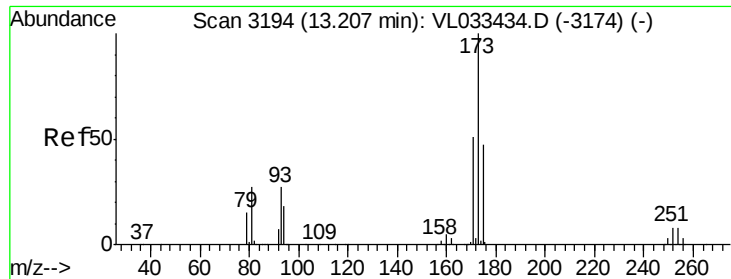
Tot Ion: 97 Resp: 6478
 Ion Ratio Lower Upper
 97 100
 83 72.8 70.5 105.7
 85 31.0 45.6 68.4#
 99 38.6 49.4 74.0#



#48
 Dibromochloromethane
 Concen: 0.058 ppbv m
 RT: 10.44 min Scan# 2334
 Delta R.T. -0.01 min
 Lab File: VL033594.D
 Acq: 16 Apr 2019 16:14

Tgt Ion: 129 Resp: 7467
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.1 117.2#





#49

Bromoform

Concen: 0.045 ppbv m

RT: 13.19 min Scan# 3189

Delta R.T. -0.02 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

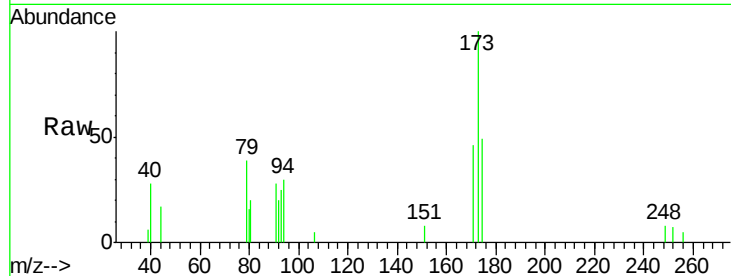
Tot Ion:173 Resp: 5511

Ion Ratio Lower Upper

173 100

175 54.2 39.3 58.9

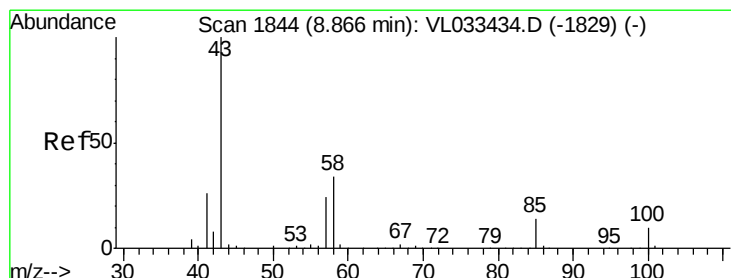
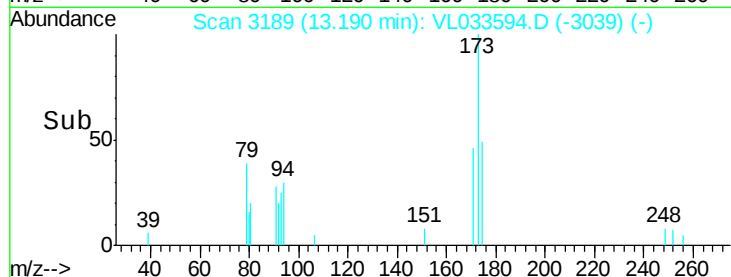
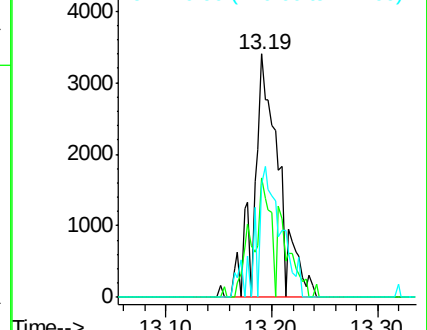
171 53.3 41.2 61.8



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: 0.061 ppbv m

RT: 8.91 min Scan# 1857

Delta R.T. 0.04 min

Lab File: VL033594.D

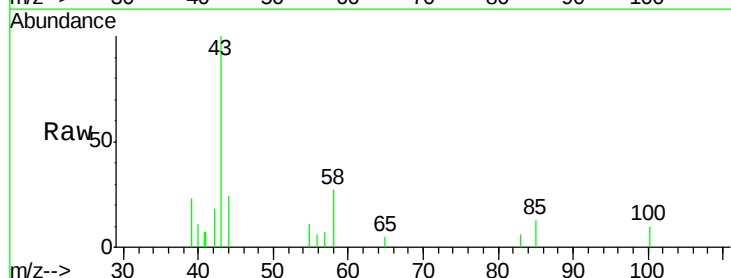
Acq: 16 Apr 2019 16:14

Tgt Ion: 43 Resp: 10976

Ion Ratio Lower Upper

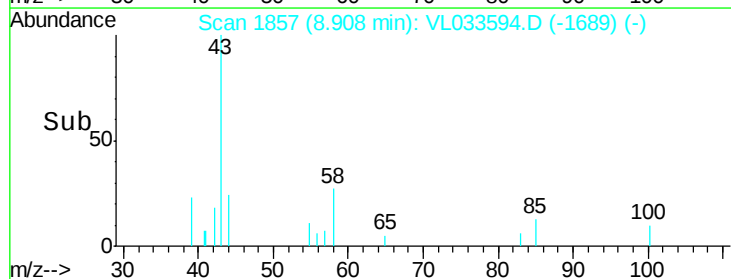
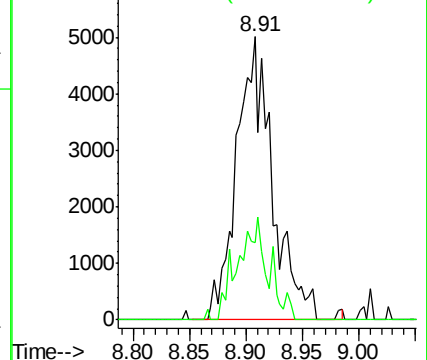
43 100

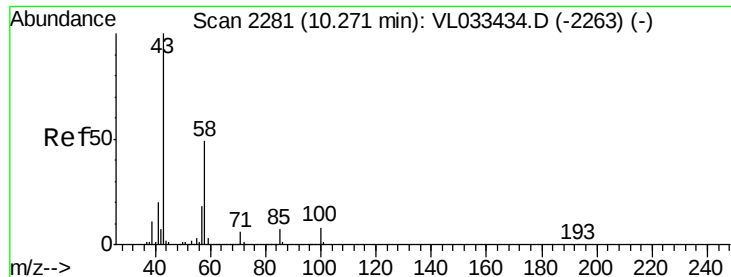
58 0.0 28.0 42.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

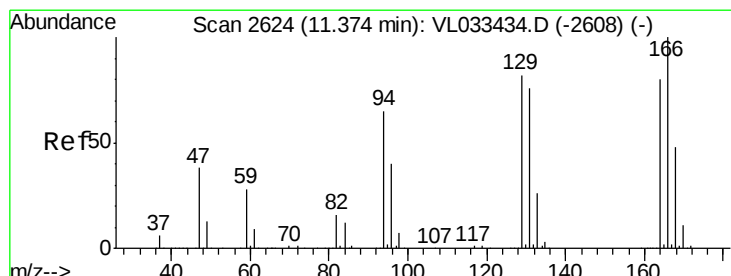
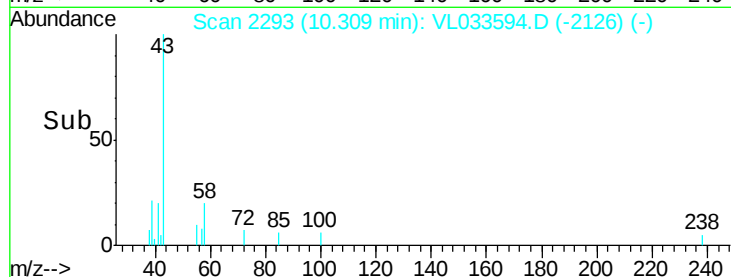
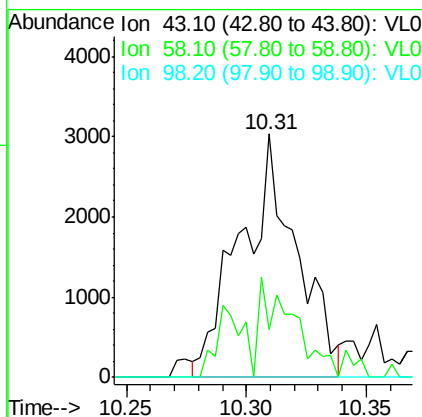
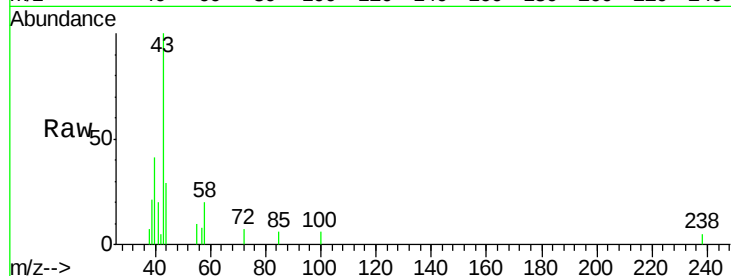




#51
2-Hexanone
Concen: 0.037 ppbv m
RT: 10.31 min Scan# 2293
Delta R.T. 0.04 min
Lab File: VL033594.D
Acq: 16 Apr 2019 16:14

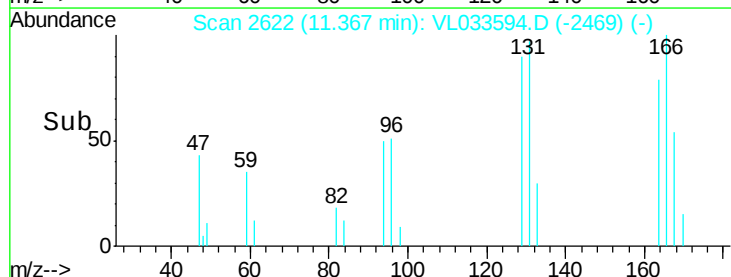
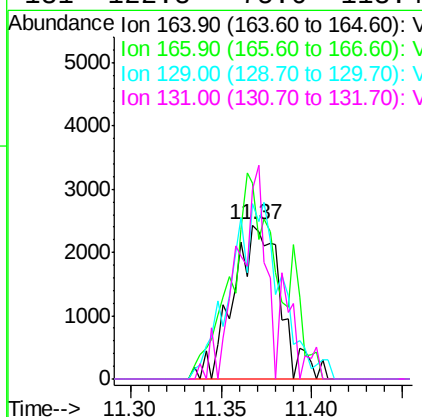
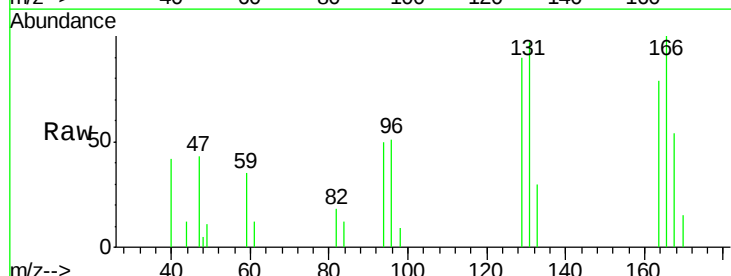
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

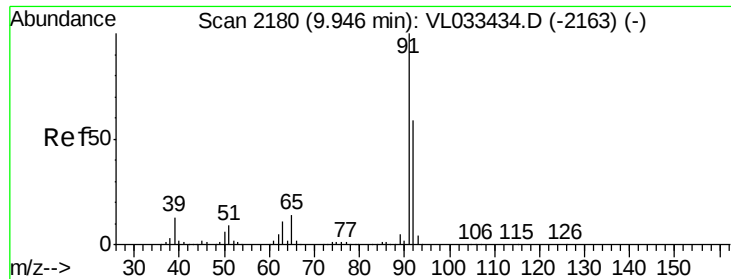
Tot Ion: 43 Resp: 4943
Ion Ratio Lower Upper
43 100
58 0.0 38.2 57.2#
98 0.0 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.069 ppbv m
RT: 11.37 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL033594.D
Acq: 16 Apr 2019 16:14

Tgt Ion: 164 Resp: 4447
Ion Ratio Lower Upper
164 100
166 127.2 99.5 149.3
129 114.2 81.4 122.2
131 122.8 75.6 113.4#





#53

Toluene

Concen: 0.046 ppbv m

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

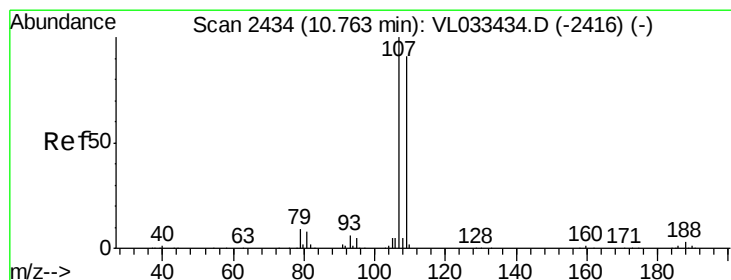
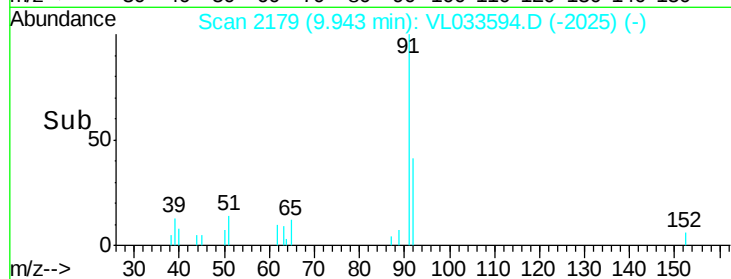
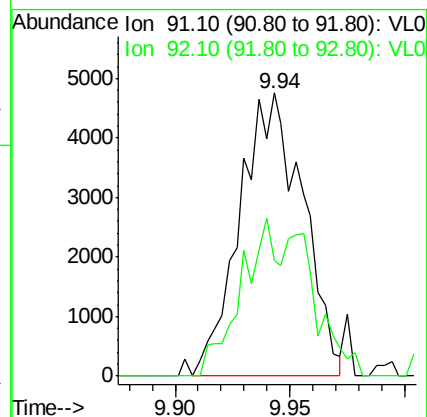
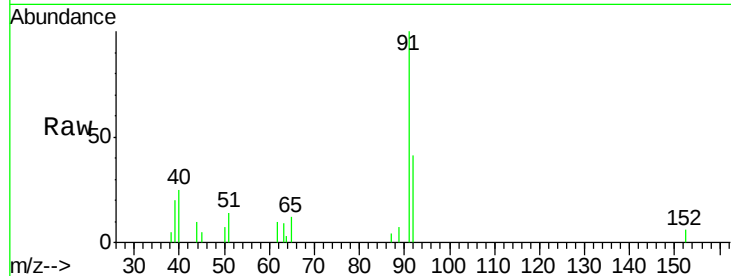
LOD-MDL-AIR-01-QT2-2019

Tot Ion: 91 Resp: 9078

Ion Ratio Lower Upper

91 100

92 0.0 47.4 71.0#



#54

1,2-Dibromoethane

Concen: 0.064 ppbv m

RT: 10.75 min Scan# 2430

Delta R.T. -0.01 min

Lab File: VL033594.D

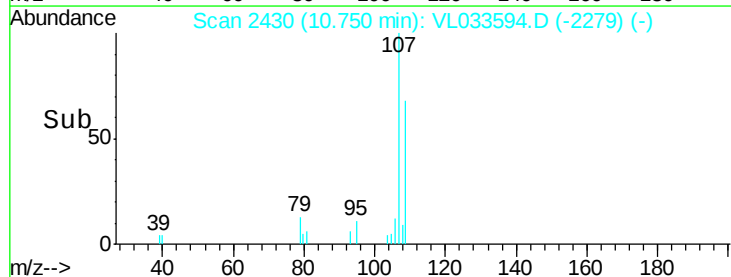
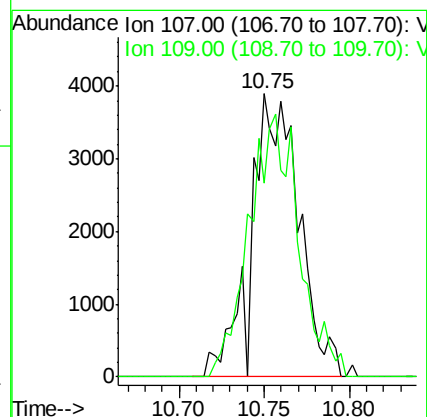
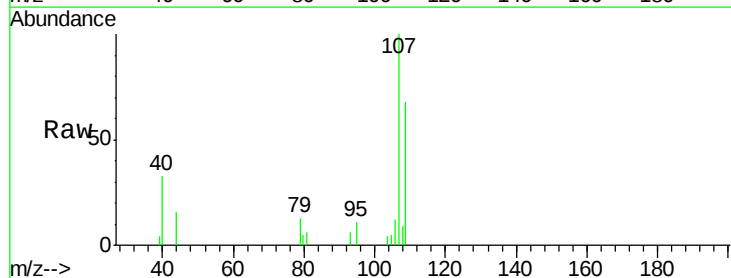
Acq: 16 Apr 2019 16:14

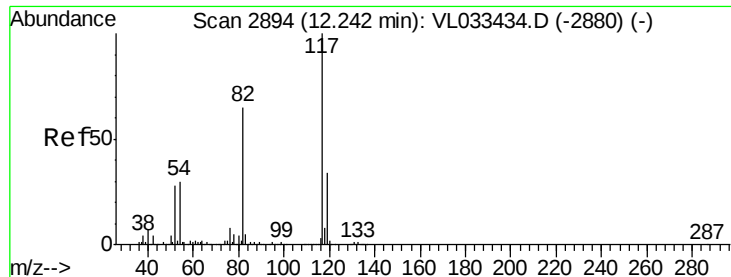
Tgt Ion: 107 Resp: 7607

Ion Ratio Lower Upper

107 100

109 68.5 72.7 109.1#

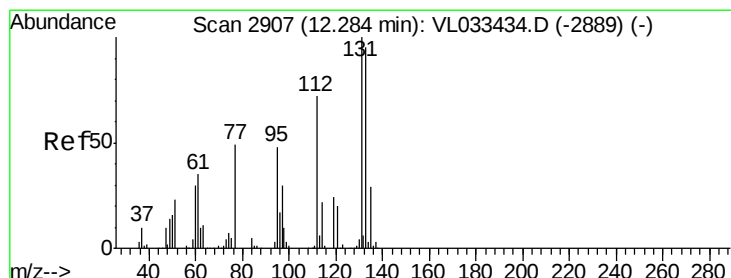
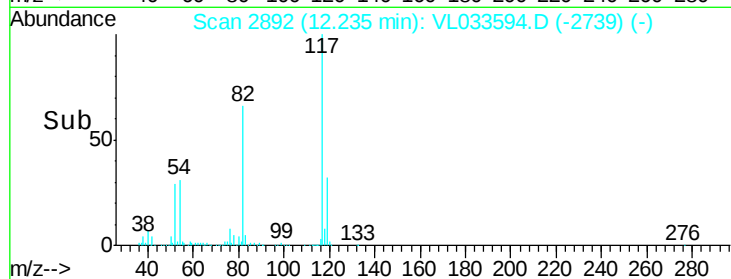
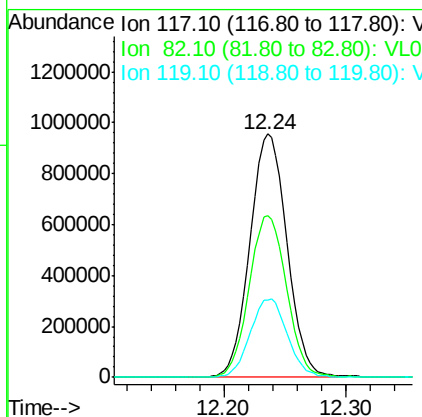
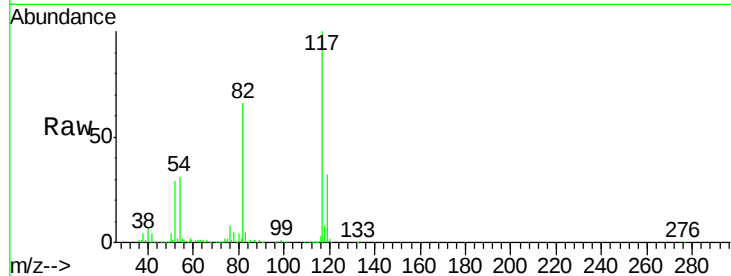




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033594.D
Acq: 16 Apr 2019 16:14

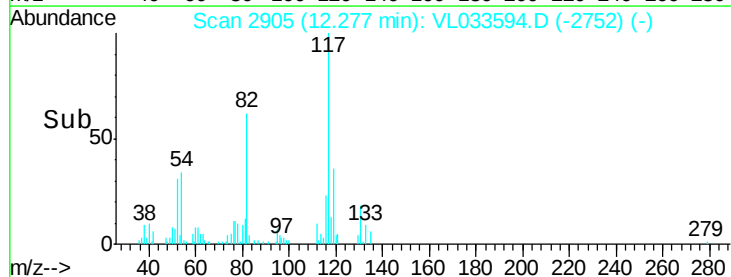
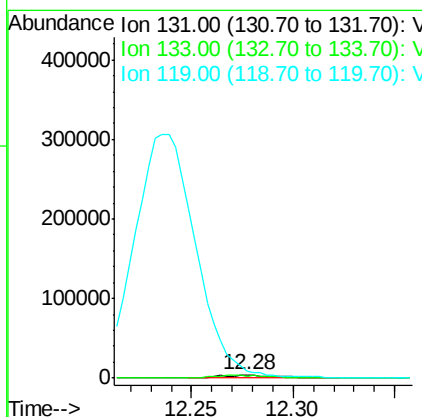
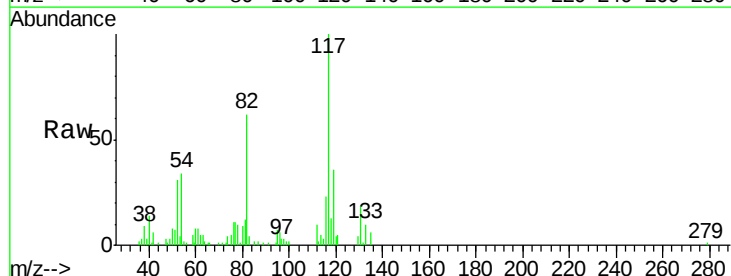
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

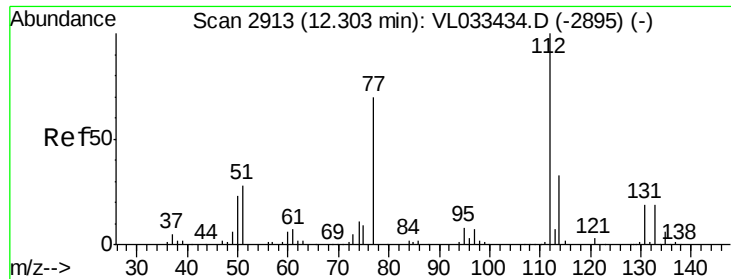
Tot Ion:117 Resp: 2005200
Ion Ratio Lower Upper
117 100
82 67.3 51.5 77.3
119 32.5 25.5 38.3



#56
1,1,1,2-Tetrachloroethane
Concen: 0.086 ppbv m
RT: 12.28 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL033594.D
Acq: 16 Apr 2019 16:14

Tgt Ion:131 Resp: 7897
Ion Ratio Lower Upper
131 100
133 91.8 76.2 114.4
119 0.0 45.0 67.6#

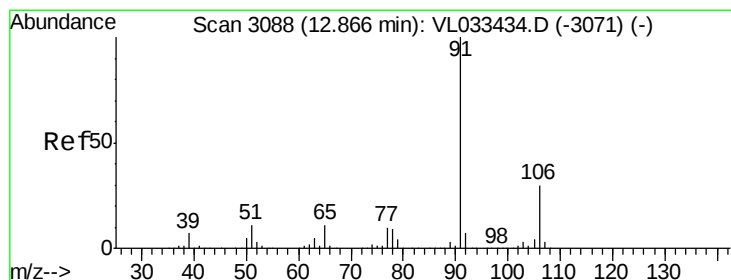
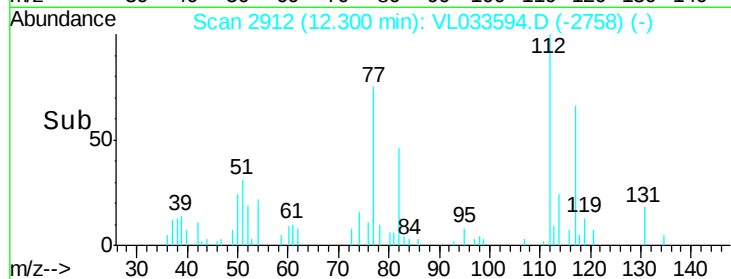
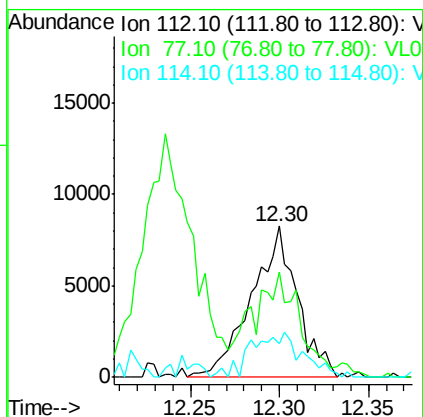
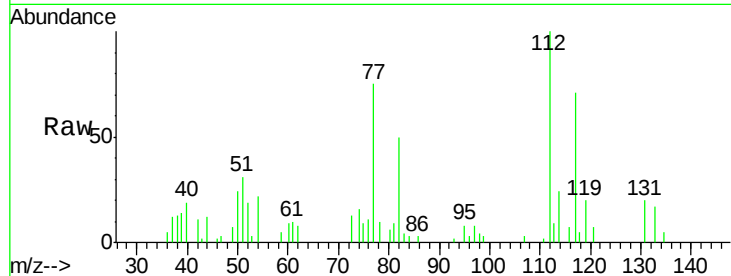




#57
Chlorobenzene
Concen: 0.095 ppbv m
RT: 12.30 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL033594.D
Acq: 16 Apr 2019 16:14

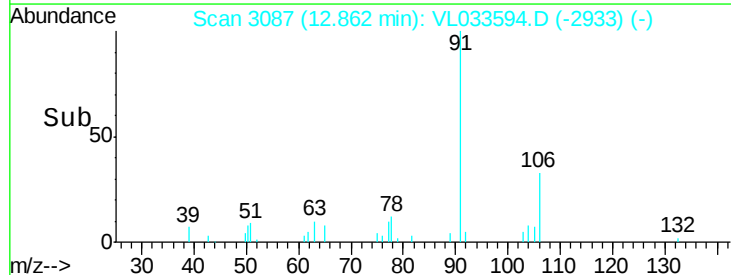
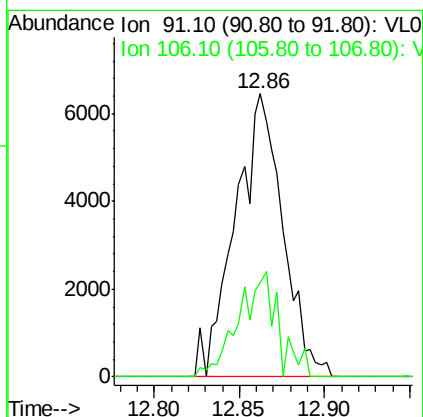
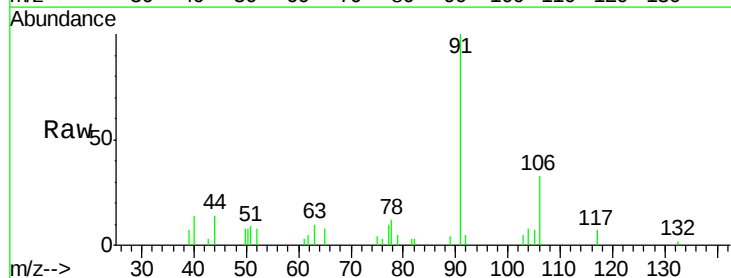
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

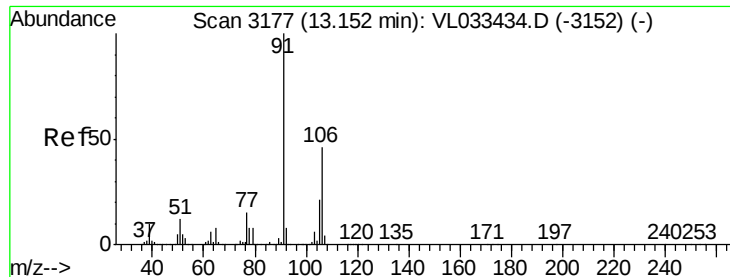
Tot Ion:112 Resp: 14750
Ion Ratio Lower Upper
112 100
77 75.4 57.3 85.9
114 24.3 29.8 36.4#



#58
Ethyl Benzene
Concen: 0.047 ppbv m
RT: 12.86 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VL033594.D
Acq: 16 Apr 2019 16:14

Tgt Ion: 91 Resp: 12489
Ion Ratio Lower Upper
91 100
106 33.1 23.8 35.6





#59

m/p-Xylene

Concen: 0.096 ppbv m

RT: 13.12 min Scan# 3167

Delta R.T. -0.03 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

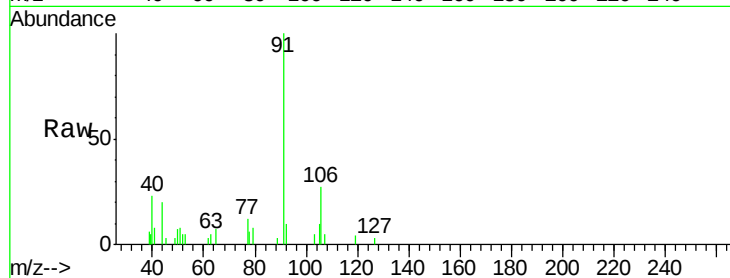
LOD-MDL-AIR-01-QT2-2019

Tot Ion: 91 Resp: 22944

Ion Ratio Lower Upper

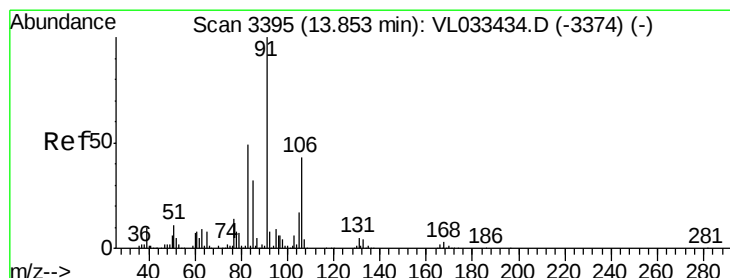
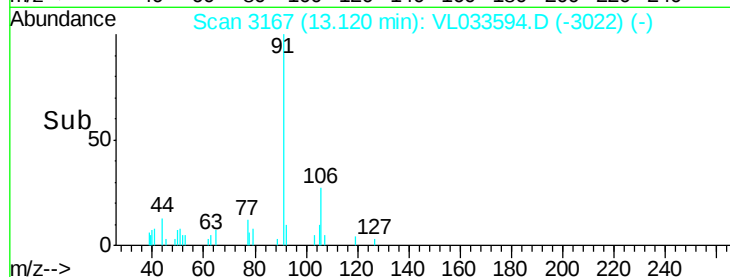
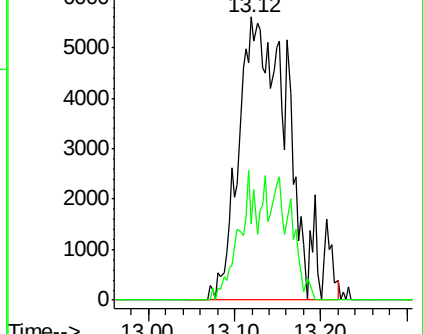
91 100

106 0.0 0.0 0.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.045 ppbv m

RT: 13.85 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VL033594.D

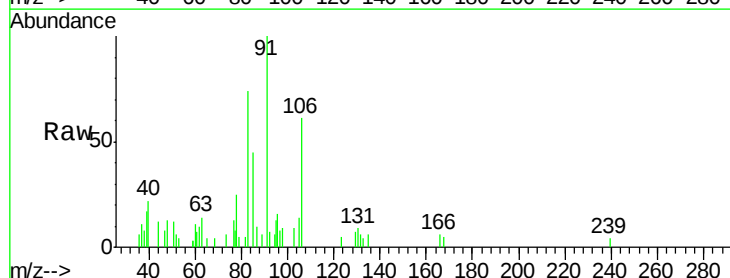
Acq: 16 Apr 2019 16:14

Tgt Ion: 91 Resp: 10374

Ion Ratio Lower Upper

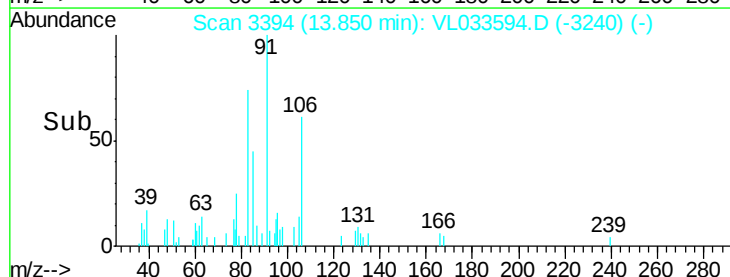
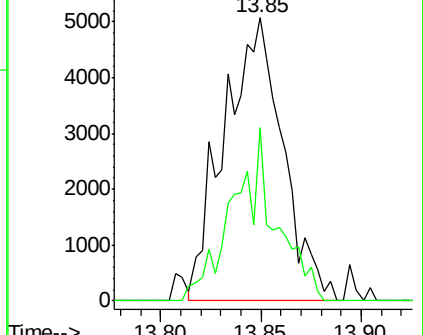
91 100

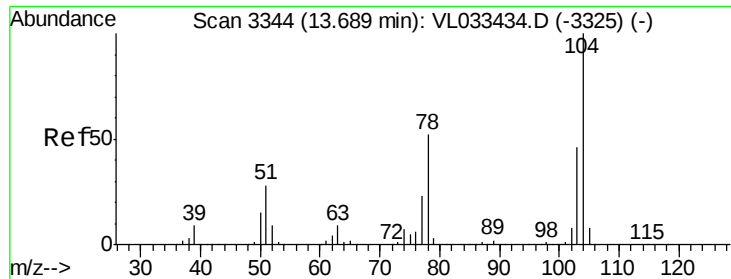
106 44.7 21.4 64.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

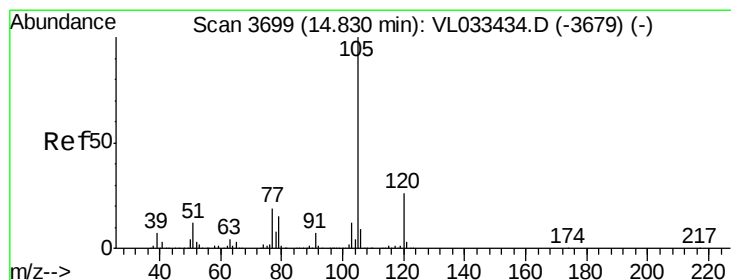
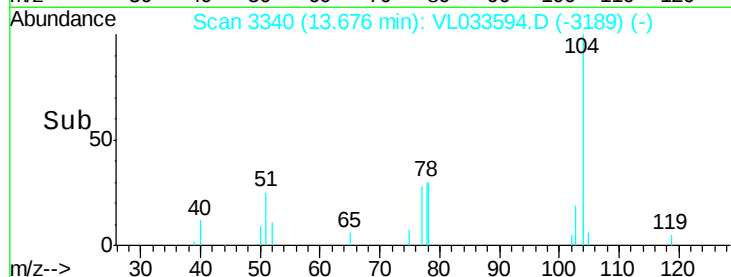
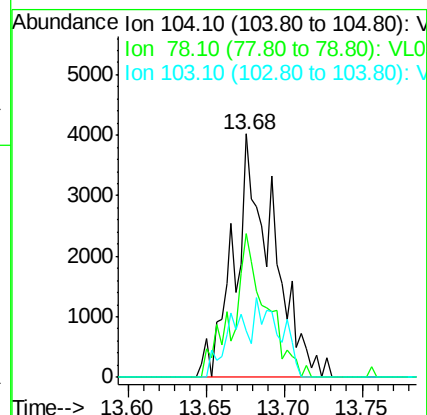
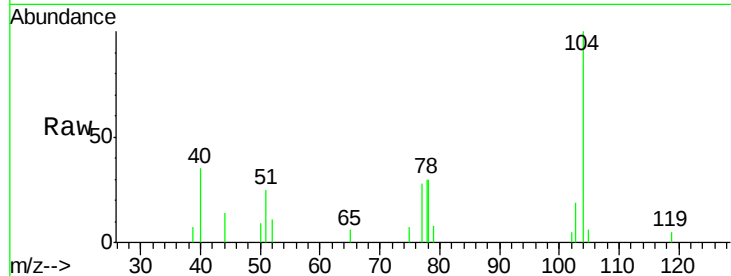




#61
Stvrene
Concen: 0.044 ppbv m
RT: 13.68 min Scan# 3340
Delta R.T. -0.01 min
Lab File: VL033594.D
Acq: 16 Apr 2019 16:14

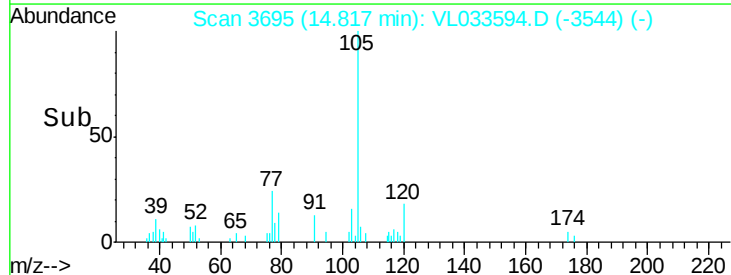
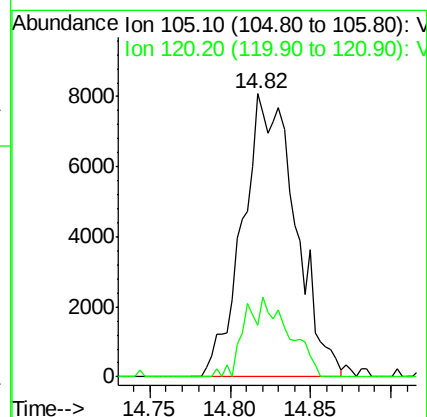
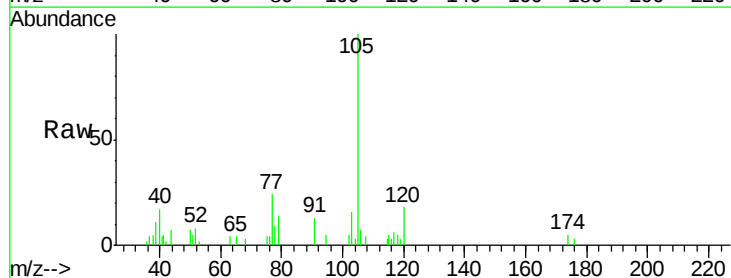
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

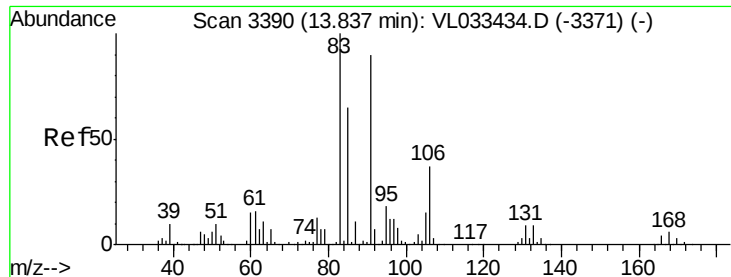
Tot Ion:104 Resp: 6951
Ion Ratio Lower Upper
104 100
78 50.7 43.2 64.8
103 37.3 37.8 56.8#



#62
Isopropylbenzene
Concen: 0.056 ppbv m
RT: 14.82 min Scan# 3695
Delta R.T. -0.01 min
Lab File: VL033594.D
Acq: 16 Apr 2019 16:14

Tgt Ion:105 Resp: 18265
Ion Ratio Lower Upper
105 100
120 23.6 20.2 30.2





#63

1,1,2,2-Tetrachloroethane

Concen: 0.073 ppbv m

RT: 13.83 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

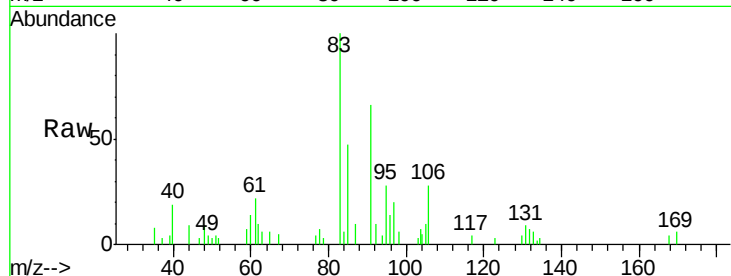
Tot Ion: 83 Resp: 12450

Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.0#

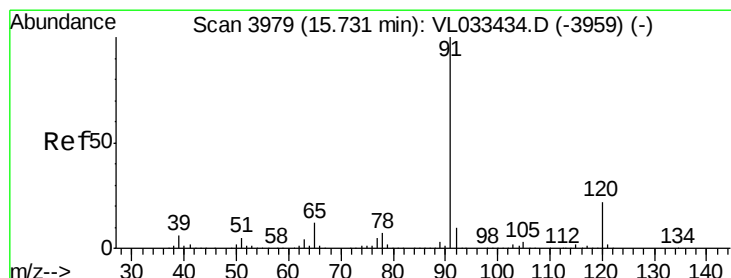
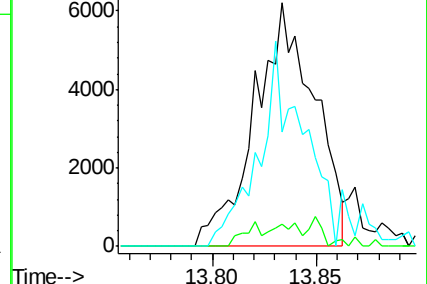
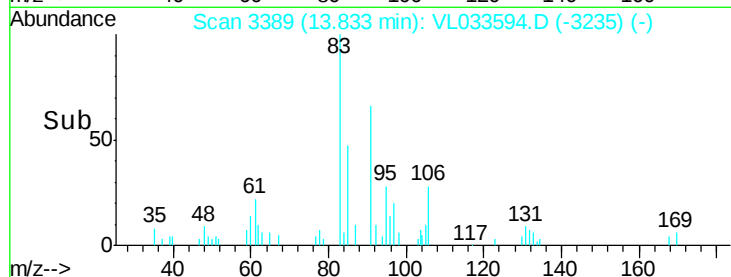
85 65.1 32.7 98.1



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.042 ppbv m

RT: 15.72 min Scan# 3977

Delta R.T. -0.01 min

Lab File: VL033594.D

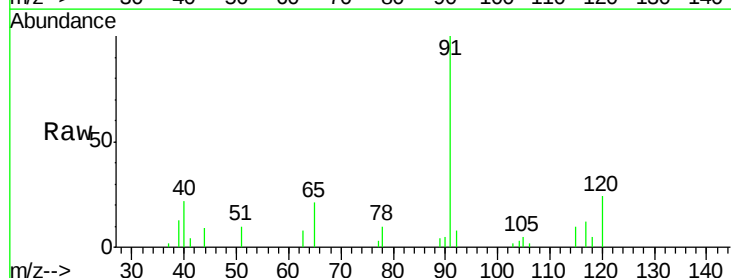
Acq: 16 Apr 2019 16:14

Tgt Ion:120 Resp: 3509

Ion Ratio Lower Upper

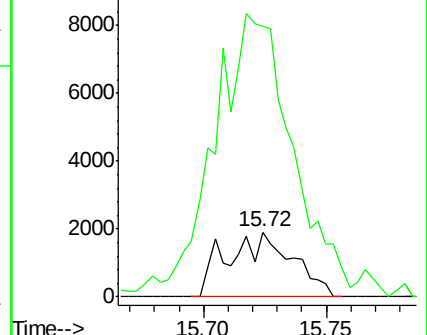
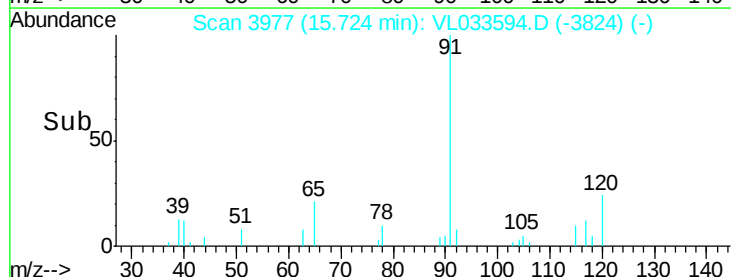
120 100

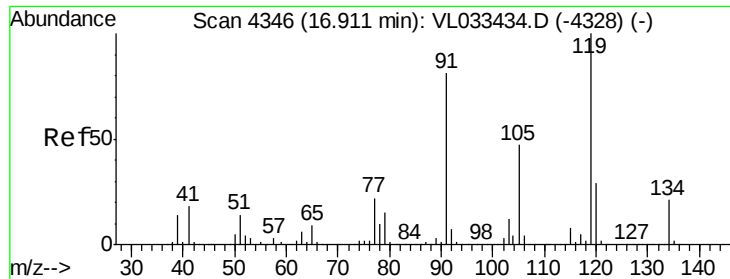
91 53.2 387.4 581.2#



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.037 ppbv m

RT: 16.92 min Scan# 4348

Delta R.T. 0.01 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

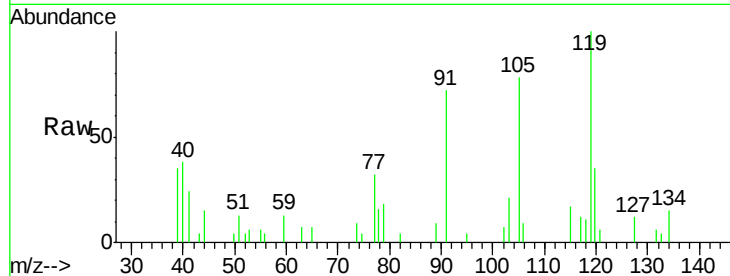
Tot Ion:119 Resp: 10735

Ion Ratio Lower Upper

119 100

91 102.1 66.4 99.6#

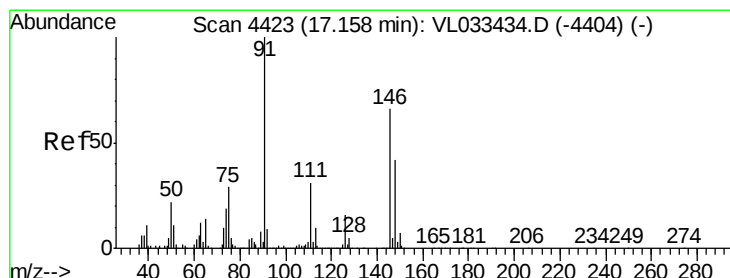
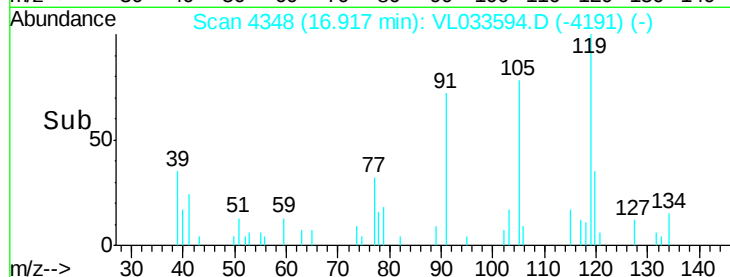
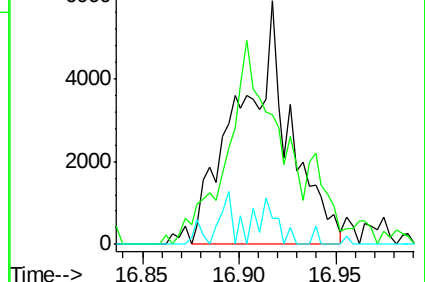
134 0.0 15.5 23.3#



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: 0.056 ppbv m

RT: 17.15 min Scan# 4422

Delta R.T. -0.00 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

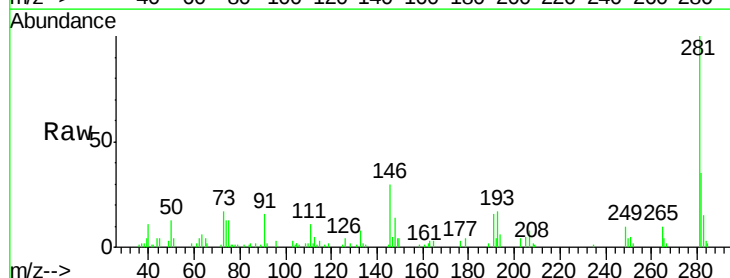
Tgt Ion: 91 Resp: 7546

Ion Ratio Lower Upper

91 100

126 0.0 13.0 19.6#

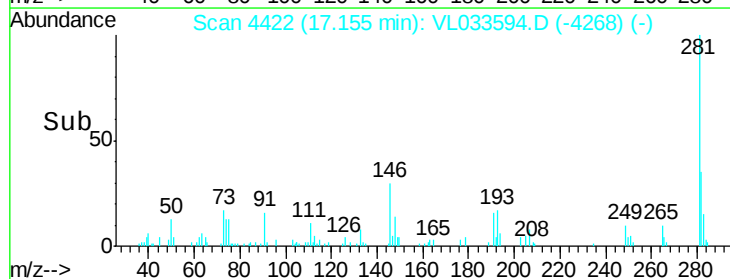
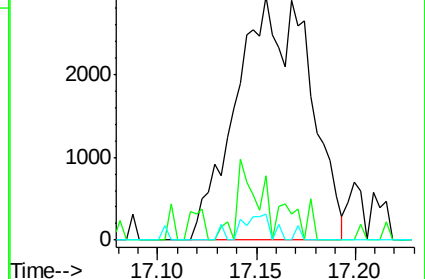
128 4.8 4.2 6.2

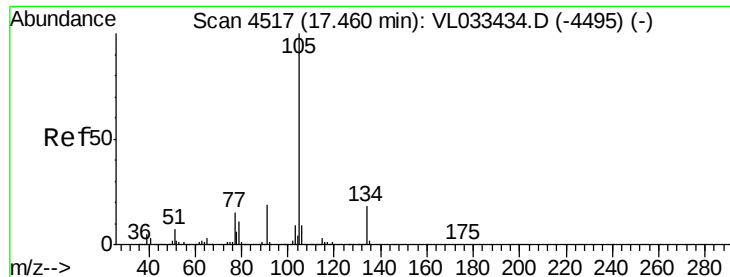


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.049 ppbv m

RT: 17.46 min Scan# 4517

Delta R.T. -0.00 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

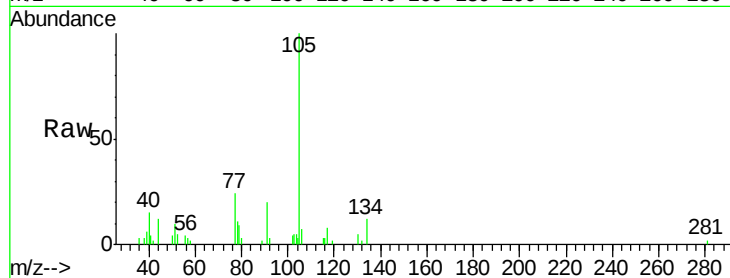
LOD-MDL-AIR-01-QT2-2019

Tot Ion:105 Resp: 19980

Ion Ratio Lower Upper

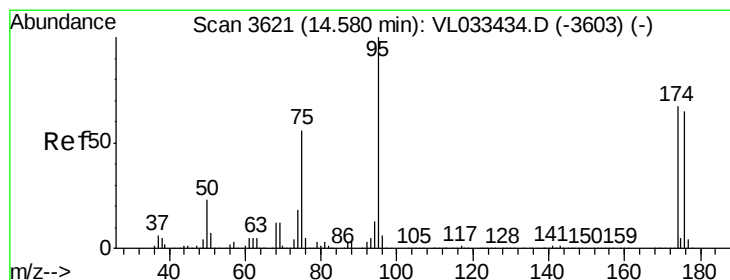
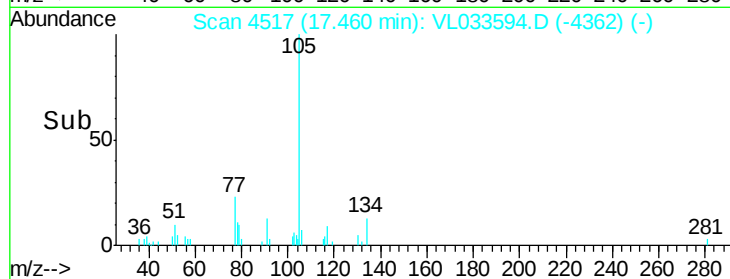
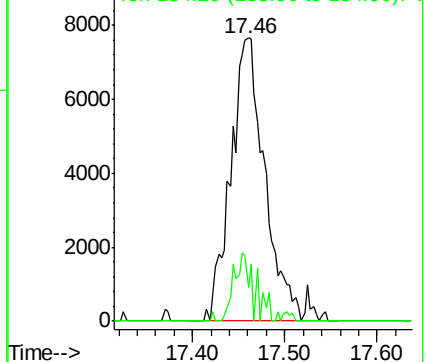
105 100

134 15.4 14.6 21.8



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: 10.258 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

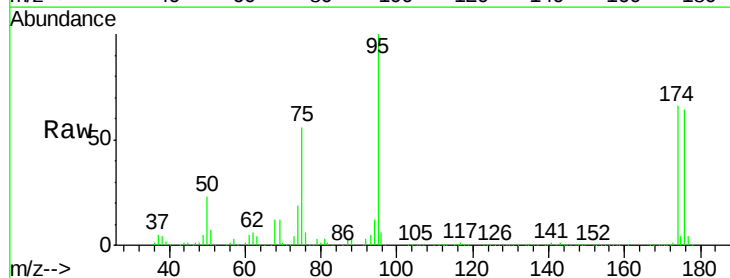
Tgt Ion: 95 Resp: 1612616

Ion Ratio Lower Upper

95 100

174 66.4 52.9 79.3

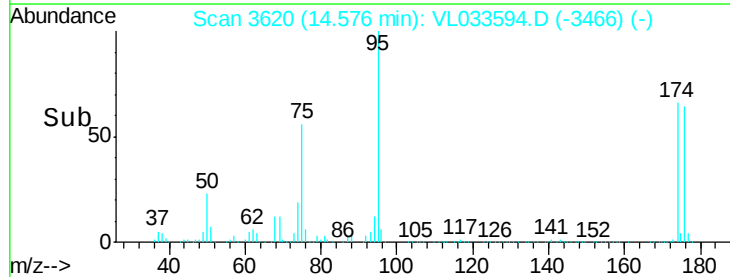
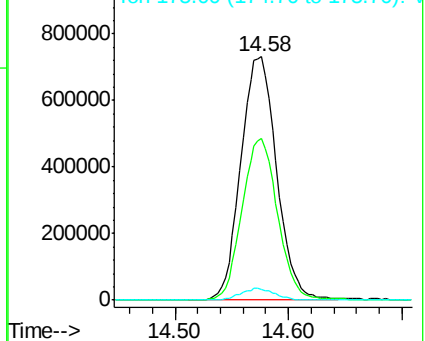
175 4.7 3.8 5.6

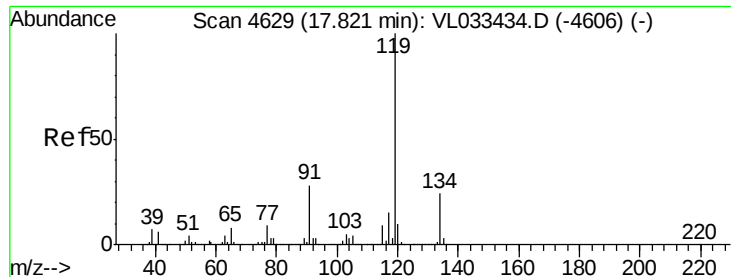


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 0.033 ppbv m

RT: 17.82 min Scan# 4630

Delta R.T. 0.00 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

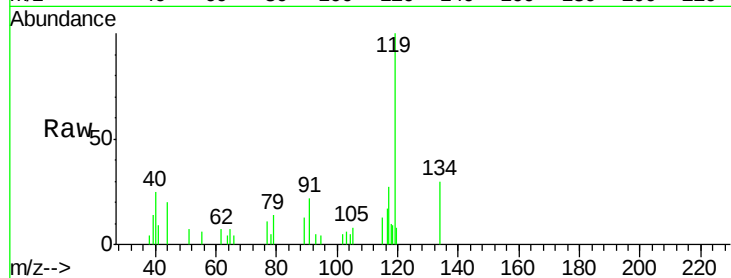
Tot Ion: 119 Resp: 11129

Ion Ratio Lower Upper

119 100

134 18.4 19.9 29.9#

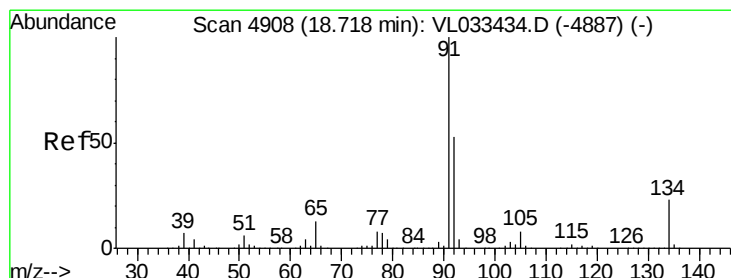
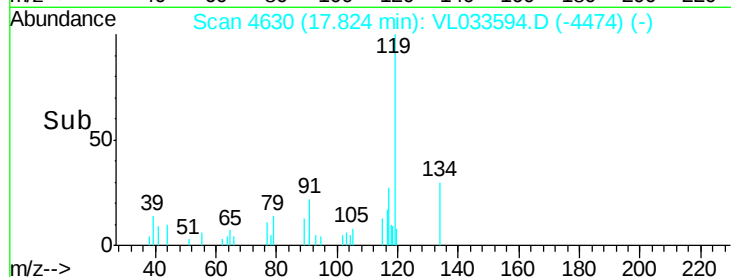
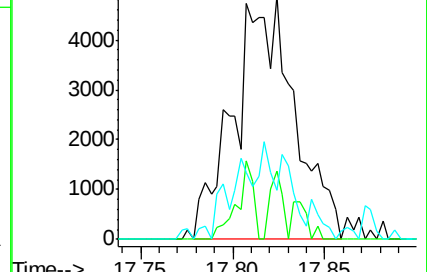
91 0.0 23.4 35.0#



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: 0.032 ppbv m

RT: 18.72 min Scan# 4910

Delta R.T. 0.01 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

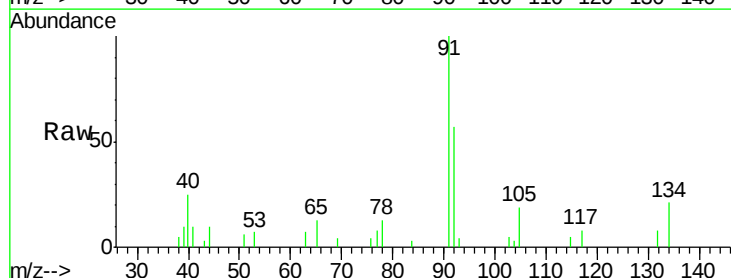
Tgt Ion: 91 Resp: 11189

Ion Ratio Lower Upper

91 100

92 0.0 42.6 64.0#

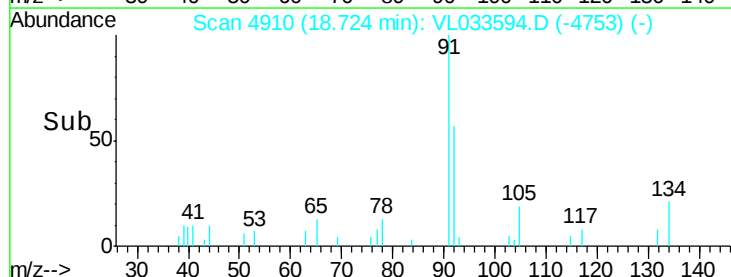
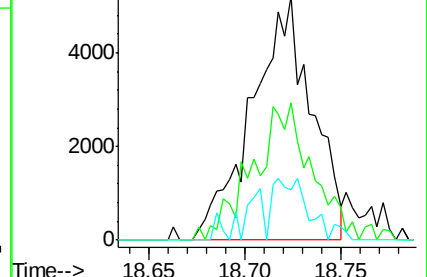
134 0.0 17.5 26.3#

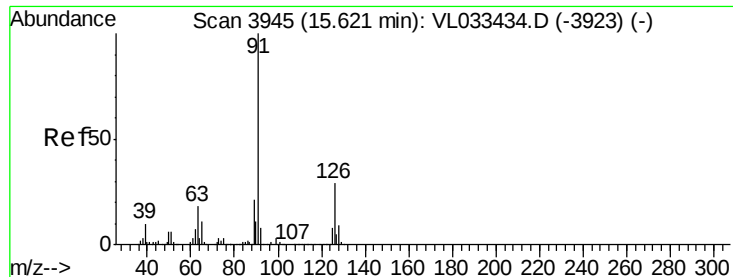


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 0.048 ppbv m

RT: 15.61 min Scan# 3943

Delta R.T. -0.01 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

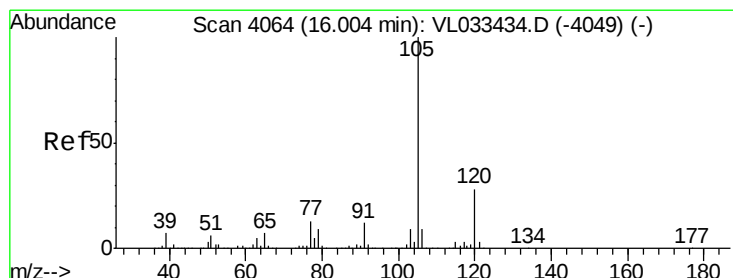
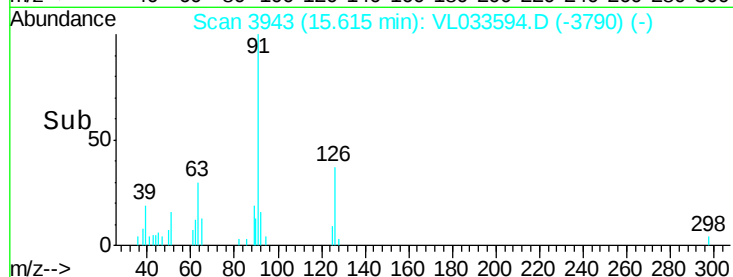
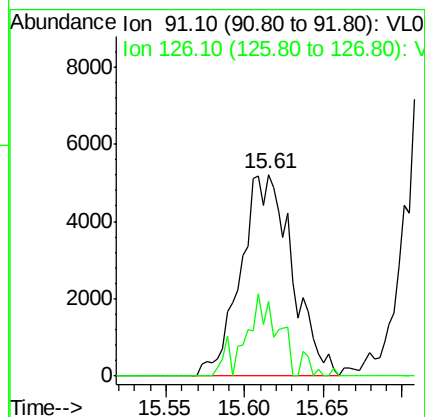
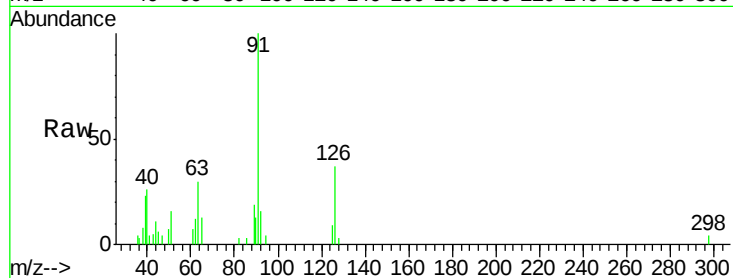
LOD-MDL-AIR-01-QT2-2019

Tot Ion: 91 Resp: 11886

Ion Ratio Lower Upper

91 100

126 0.0 11.7 46.9#



#72

4-Ethyltoluene

Concen: 0.035 ppbv m

RT: 15.99 min Scan# 4061

Delta R.T. -0.01 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

Tgt Ion:105 Resp: 9040

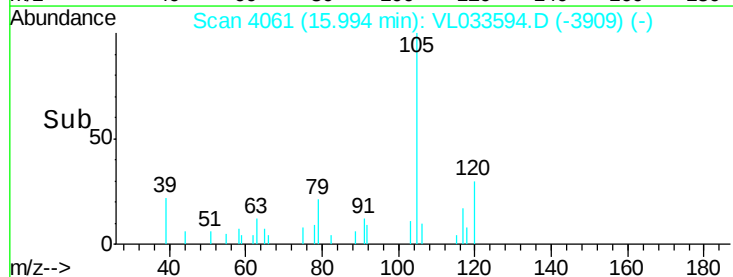
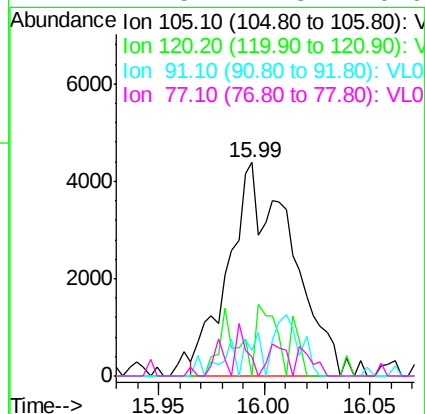
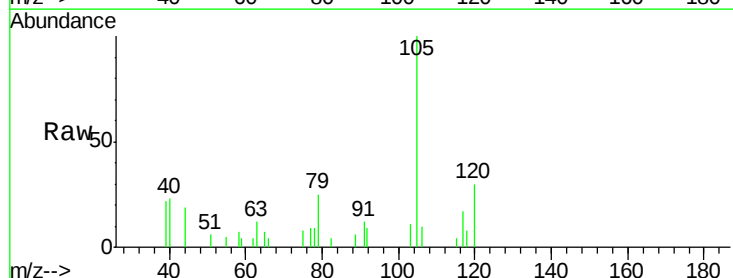
Ion Ratio Lower Upper

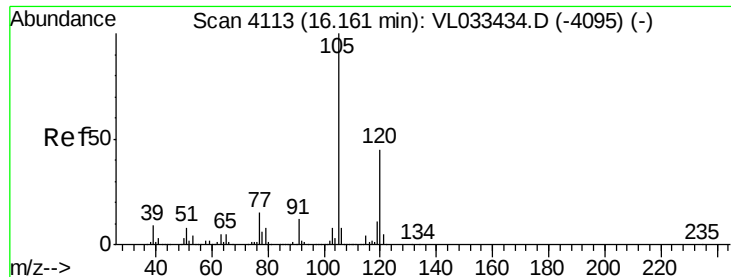
105 100

120 23.3 23.2 34.8

91 0.0 10.4 15.6#

77 7.5 11.3 16.9#



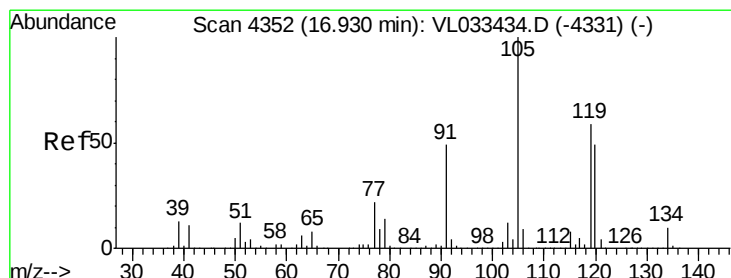
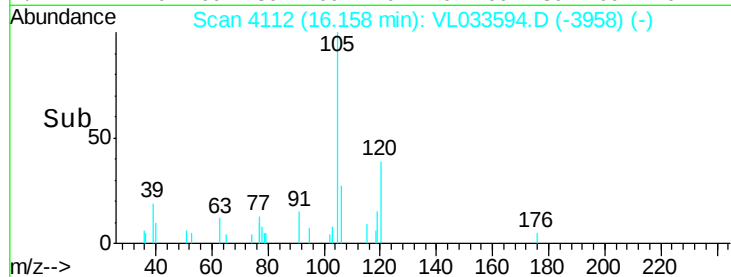
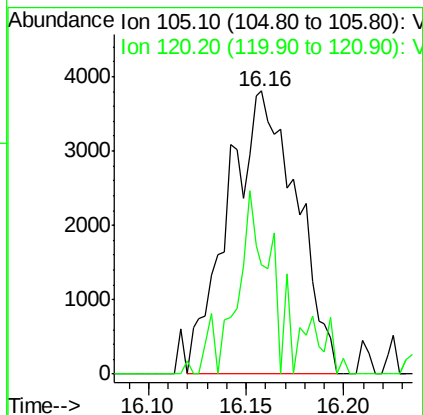
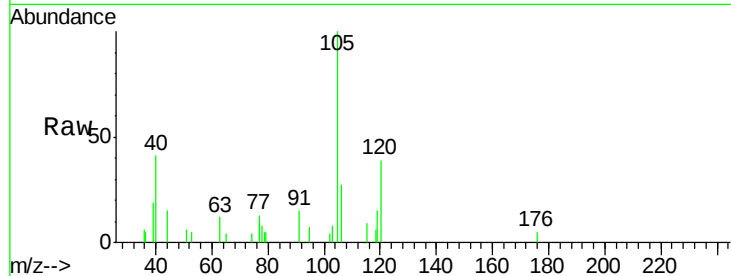


#73

1,3,5-Trimethylbenzene
Concen: 0.037 ppbv m
RT: 16.16 min Scan# 4112
Delta R.T. -0.00 min
Lab File: VL033594.D
Acq: 16 Apr 2019 16:14

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

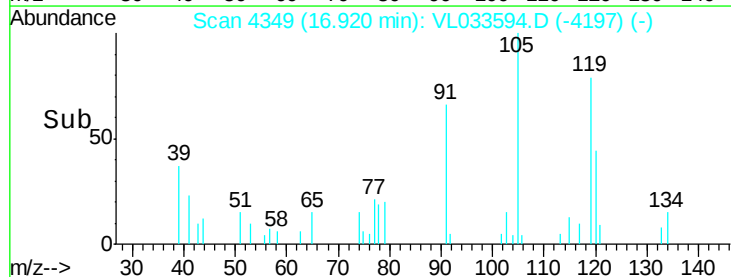
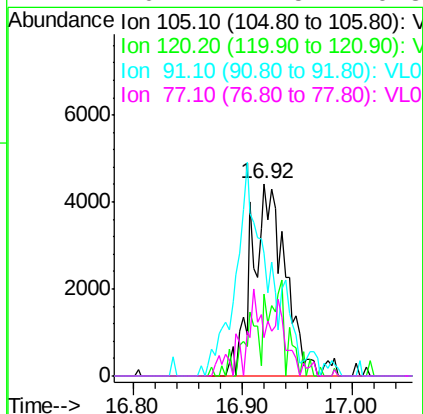
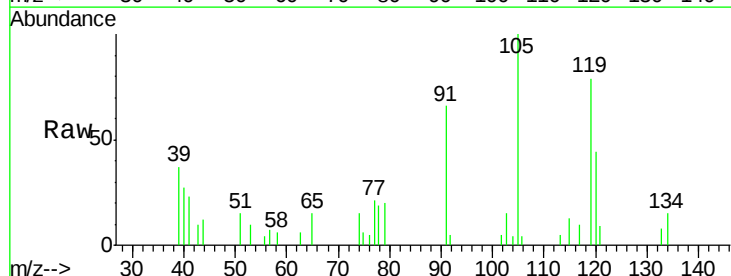
Tot Ion:105 Resp: 9310
Ion Ratio Lower Upper
105 100
120 38.7 35.7 53.5

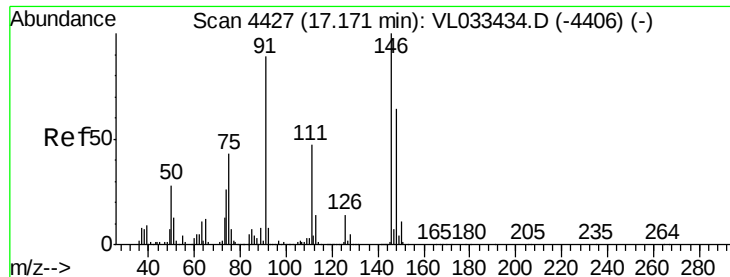


#74

1,2,4-Trimethylbenzene
Concen: 0.035 ppbv m
RT: 16.92 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL033594.D
Acq: 16 Apr 2019 16:14

Tgt Ion:105 Resp: 9435
Ion Ratio Lower Upper
105 100
120 44.5 39.0 58.6
91 66.4 40.0 60.0#
77 20.7 17.5 26.3





#75

1,3-Dichlorobenzene

Concen: 0.088 ppbv m

RT: 17.17 min Scan# 4427

Delta R.T. -0.00 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

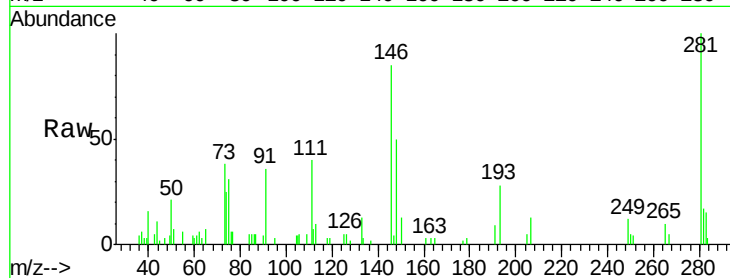
Tot Ion:146 Resp: 14438

Ion Ratio Lower Upper

146 100

111 0.0 22.9 68.8#

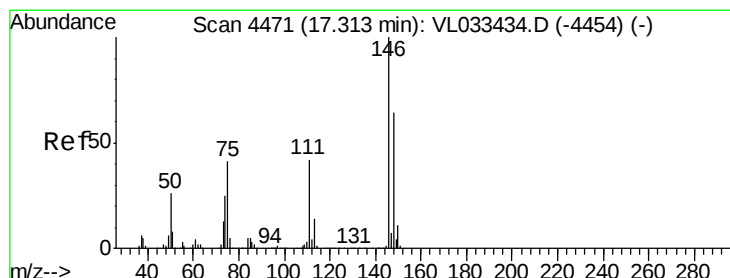
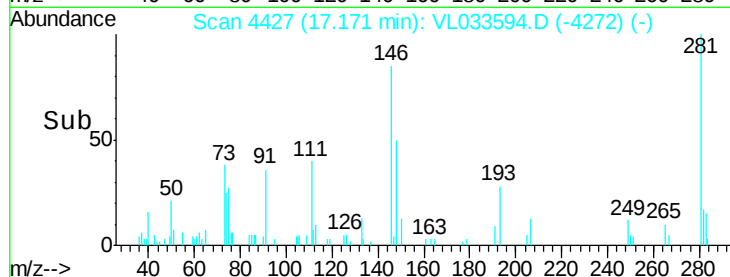
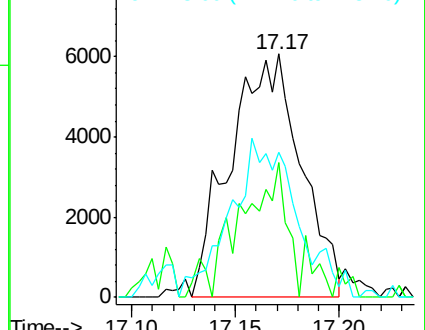
148 0.0 32.0 96.2#



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: 0.070 ppbv m

RT: 17.30 min Scan# 4466

Delta R.T. -0.02 min

Lab File: VL033594.D

Acq: 16 Apr 2019 16:14

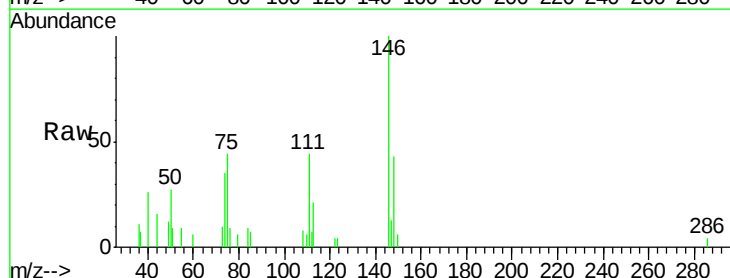
Tgt Ion:146 Resp: 11282

Ion Ratio Lower Upper

146 100

111 43.0 21.7 65.1

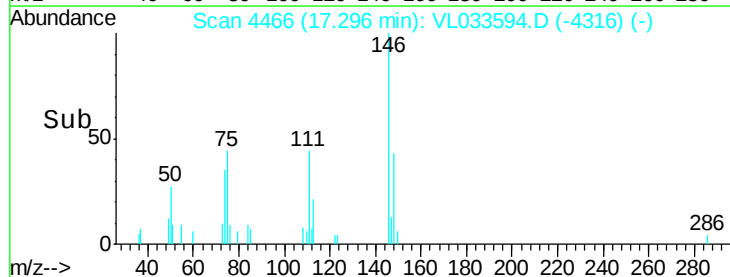
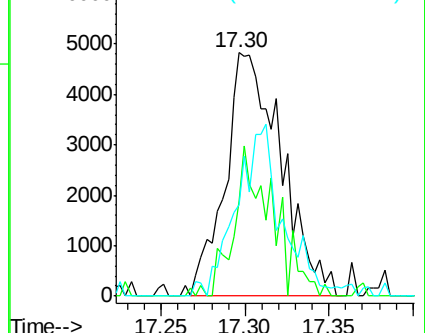
148 0.0 32.0 96.2#

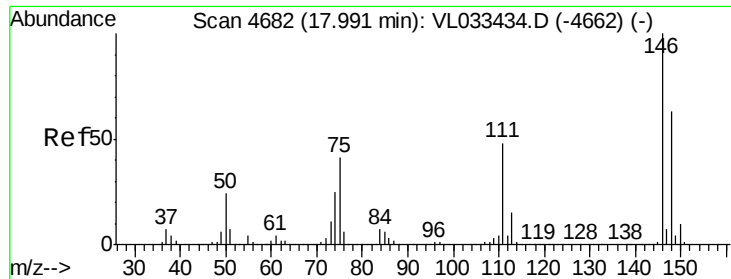


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

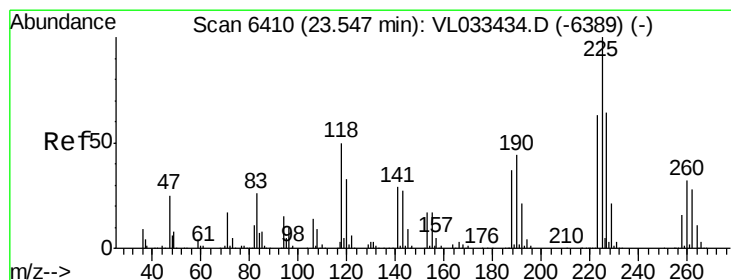
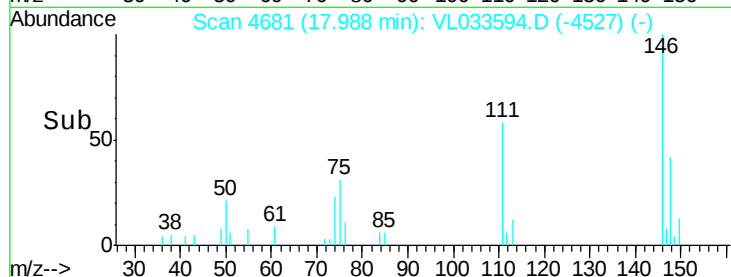
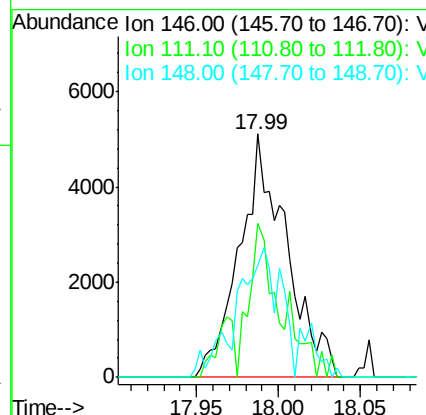
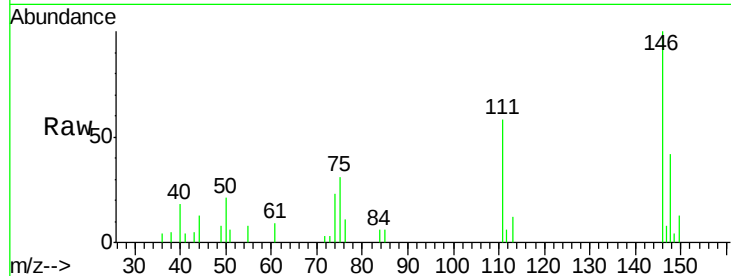




#77
 1,2-Dichlorobenzene
 Concen: 0.065 ppbv m
 RT: 17.99 min Scan# 4681
 Delta R.T. -0.00 min
 Lab File: VL033594.D
 Acq: 16 Apr 2019 16:14

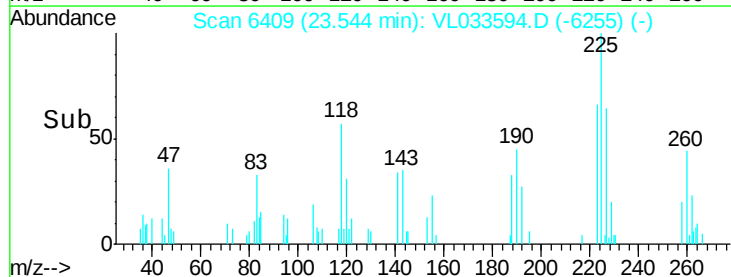
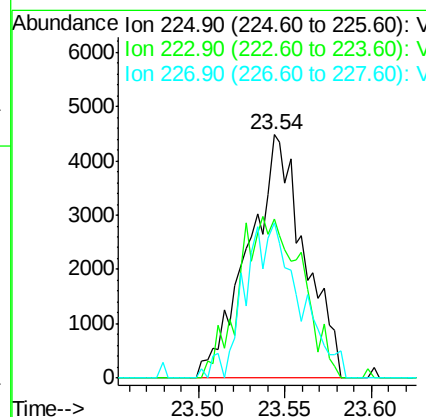
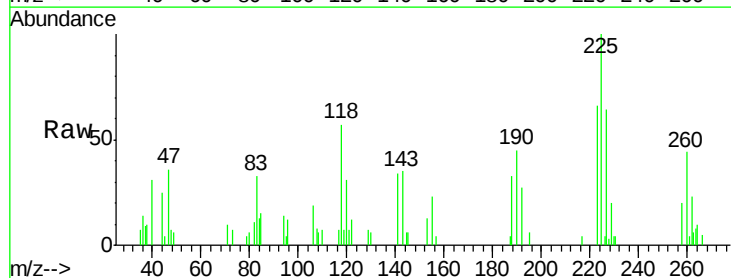
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

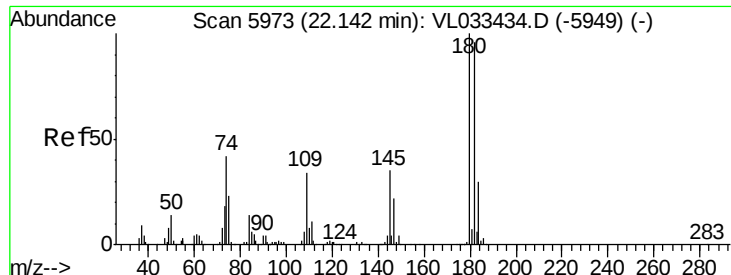
Tot Ion:146 Resp: 10172
 Ion Ratio Lower Upper
 146 100
 111 51.4 23.5 70.5
 148 57.9 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.097 ppbv m
 RT: 23.54 min Scan# 6409
 Delta R.T. -0.00 min
 Lab File: VL033594.D
 Acq: 16 Apr 2019 16:14

Tgt Ion:225 Resp: 10039
 Ion Ratio Lower Upper
 225 100
 223 74.4 50.0 75.0
 227 0.0 51.1 76.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.037 ppbv m

RT: 22.13 min Scan# 5969

Delta R.T. -0.01 min

Lab File: VL033594.D

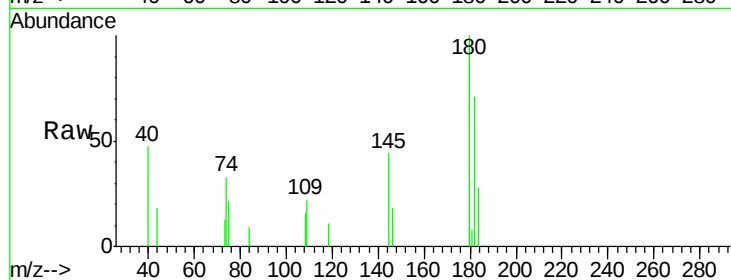
Acq: 16 Apr 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019



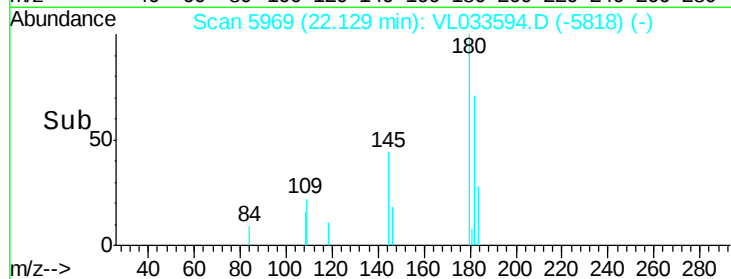
Tot Ion:180 Resp: 4733

Ion Ratio Lower Upper

180 100

182 0.0 77.0 115.4#

184 0.0 24.6 36.8#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

