

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032519\
 Data File : VL033446.D
 Acq On : 25 Mar 2019 21:28
 Operator : SY/AP
 Sample : K1560-13 0.4
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2019

Quant Time: Mar 26 05:20:39 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 25 16:04:49 2019

QLast Update : Mon Mar 25 16:04:49 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	719470	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1676426	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1643043	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1307627	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.07	85	52567	0.501	ppbv	95
3) Chlorodifluoromethane	3.01	51	35460	0.428	ppbv	99
4) Chloromethane	3.17	50	18874	0.431	ppbv	92
5) Vinyl Chloride	3.29	62	18259	0.424	ppbv	99
6) Bromomethane	3.51	94	11349	0.410	ppbv	88
7) Chloroethane	3.60	64	7352	0.459	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	50310	0.450	ppbv	100
9) Propene	3.04	41	14326	0.412	ppbv	100
10) Heptane	8.25	43	21788	0.250	ppbv #	67
11) Trichlorofluoromethane	4.00	101	56328	0.436	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.55	101	38782	0.446	ppbv	98
13) Ethanol	3.66	45	3261	0.397	ppbv	91
14) Bromoethene	3.79	108	13837	0.399	ppbv	91
15) Acetone	3.91	43	39444	0.456	ppbv	96
16) 1,3-Butadiene	3.36	39	14191	0.414	ppbv	89
17) tert-Butyl alcohol	4.35	59	736	0.046	ppbv #	73
18) 1,1-Dichloroethene	4.35	96	15462	0.414	ppbv	93
19) Isopropyl Alcohol	4.04	45	14611	0.267	ppbv #	82
20) Methylene Chloride	4.41	84	18030	0.491	ppbv #	76
21) Allyl Chloride	4.48	41	22112	0.404	ppbv	94
22) trans-1,2-Dichloroethene	4.96	96	16152	0.415	ppbv #	78
23) Vinyl Acetate	5.15	43	42041	0.341	ppbv #	93
24) 1,1-Dichloroethane	5.09	63	37293	0.399	ppbv	98
25) Ethyl Acetate	5.77	43	58964	0.367	ppbv	99
26) Hexane	5.77	57	27568	0.386	ppbv	95
27) Carbon Disulfide	4.62	76	31006	0.365	ppbv #	86
28) Methyl tert-Butyl Ether	5.12	73	34908	0.340	ppbv	100
29) Chloroform	5.84	83	50157	0.410	ppbv	94
30) Cyclohexane	7.25	84	15620	0.277	ppbv #	18
31) cis-1,2-Dichloroethene	5.64	61	24243	0.342	ppbv	92
32) 1,1,1-Trichloroethane	6.61	97	45649	0.392	ppbv	97
34) 2-Butanone	5.34	43	35029	0.348	ppbv	97
35) Carbon Tetrachloride	7.13	117	47737	0.437	ppbv #	96
36) Benzene	7.00	78	49993	0.355	ppbv #	94
37) 1,2-Dichloroethane	6.40	62	37594	0.399	ppbv	100
38) Trichloroethene	7.96	130	19624	0.371	ppbv	97
39) 1,2-Dichloropropane	7.72	63	8540	0.155	ppbv	92
41) Tetrahydrofuran	6.17	42	10117	0.183	ppbv #	49
42) Bromodichloromethane	7.91	83	45219	0.352	ppbv #	99
43) Methyl Methacrylate	8.13	69	4230	0.074	ppbv #	1
44) 2,2,4-Trimethylpentane	7.99	57	81770	0.333	ppbv #	90

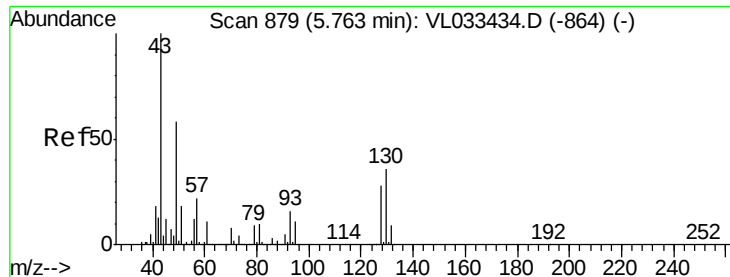
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032519\
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Quant Time: Mar 26 05:20:39 2019
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 25 16:04:49 2019
 QLast Update : Mon Mar 25 16:04:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.40	75	10177	0.145	ppbv	100
46) cis-1,3-Dichloropropene	8.83	75	23497	0.287	ppbv #	85
47) 1,1,2-Trichloroethane	9.61	97	13251	0.212	ppbv	95
48) Dibromochloromethane	10.45	129	35556	0.337	ppbv	100
49) Bromoform	13.20	173	17546	0.174	ppbv #	47
50) 4-Methyl-2-Pentanone	8.89	43	34266	0.232	ppbv #	85
51) 2-Hexanone	10.29	43	13471	0.122	ppbv #	29
52) Tetrachloroethene	11.37	164	15557	0.293	ppbv	89
53) Toluene	9.95	91	46645	0.285	ppbv	98
54) 1,2-Dibromoethane	10.75	107	18820	0.192	ppbv	88
56) 1,1,1,2-Tetrachloroethane	12.28	131	29445	0.391	ppbv #	1
57) Chlorobenzene	12.30	112	51628	0.405	ppbv #	94
58) Ethyl Benzene	12.86	91	66598	0.304	ppbv	95
59) m/p-Xylene	13.15	91	50135	0.256	ppbv #	100
60) o-Xylene	13.85	91	64948	0.343	ppbv	97
61) Styrene	13.69	104	34227	0.263	ppbv	92
62) Isopropylbenzene	14.83	105	91196	0.340	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.84	83	57757	0.414	ppbv	98
64) n-propylbenzene	15.72	120	10613	0.156	ppbv #	1
65) tert-Butylbenzene	16.91	119	74734	0.316	ppbv	92
66) Benzyl Chloride	17.16	91	27222	0.248	ppbv #	98
67) sec-Butylbenzene	17.46	105	64176	0.191	ppbv #	68
69) p-Isopropyltoluene	17.82	119	51454	0.188	ppbv #	48
70) n-Butylbenzene	18.72	91	90979	0.314	ppbv	96
71) 2-Chlorotoluene	15.61	91	38831	0.190	ppbv #	45
72) 4-Ethyltoluene	16.00	105	34931	0.164	ppbv #	56
73) 1,3,5-Trimethylbenzene	16.15	105	63813	0.313	ppbv	98
74) 1,2,4-Trimethylbenzene	16.92	105	73264	0.335	ppbv #	81
75) 1,3-Dichlorobenzene	17.17	146	23109	0.171	ppbv #	2
76) 1,4-Dichlorobenzene	17.32	146	13634	0.104	ppbv #	1
77) 1,2-Dichlorobenzene	17.99	146	14107	0.110	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.53	225	13005	0.153	ppbv #	19
79) Naphthalene	22.44	128	7279	0.039	ppbv	100
80) Naphthalene,2-methyl-	25.13	142	4275	0.068	ppbv	87
81) 1,2,4-Trichlorobenzene	22.13	180	12790	0.123	ppbv #	5

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033446.D

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ClientSampleId :

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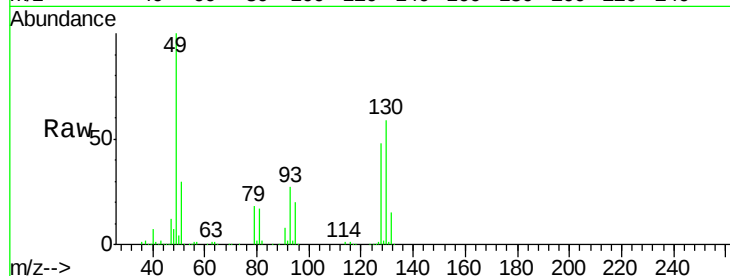
Tgt Ion: 49 Resp: 719470

Ion Ratio Lower Upper

49 100

128 48.2 24.0 72.0

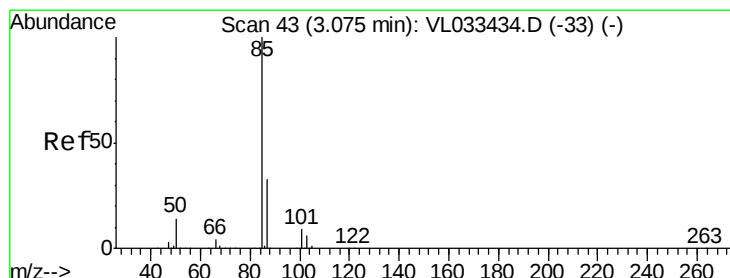
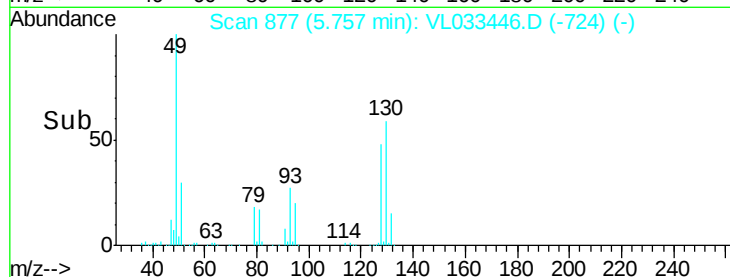
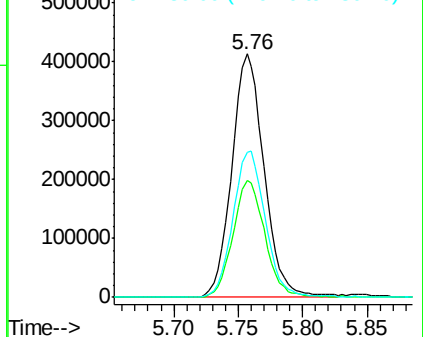
130 60.7 31.2 93.6



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: 0.501 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033446.D

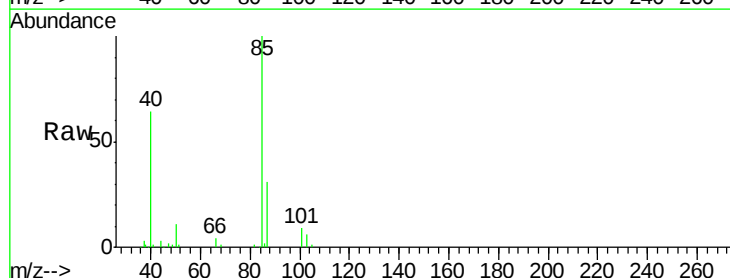
Acq: 25 Mar 2019 21:28

Tgt Ion: 85 Resp: 52567

Ion Ratio Lower Upper

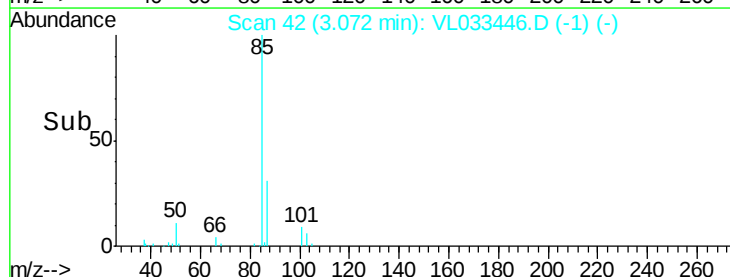
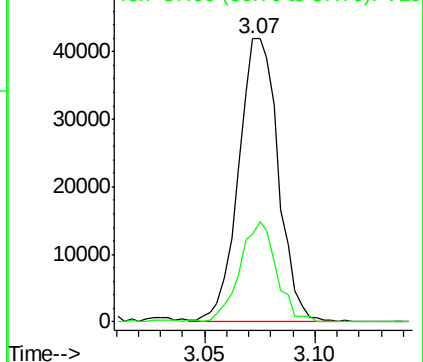
85 100

87 30.8 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

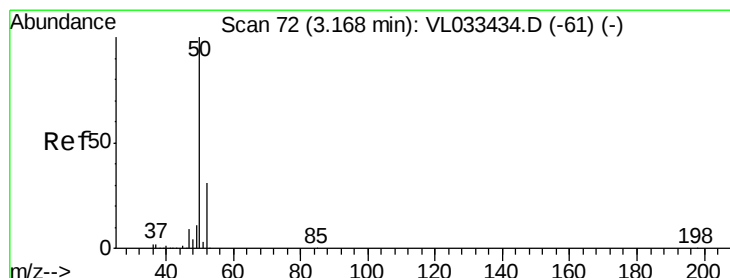
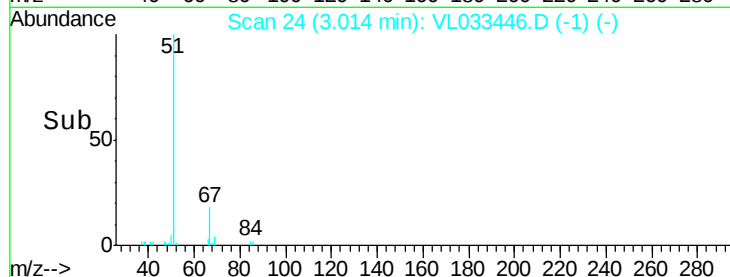
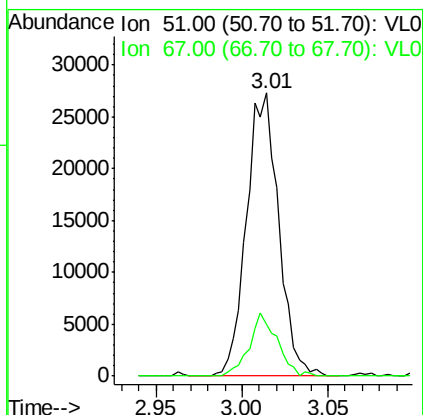
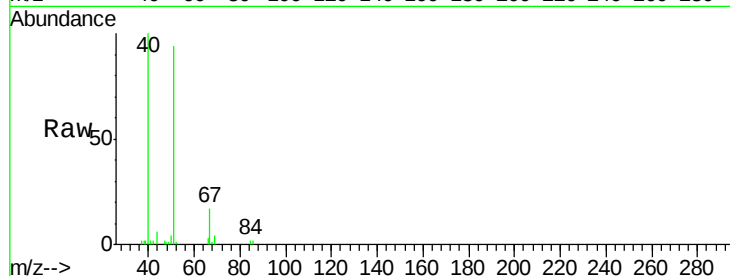




#3
 Chlorodifluoromethane
 Concen: 0.428 ppbv
 RT: 3.01 min Scan# 24
 Delta R.T. -0.00 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

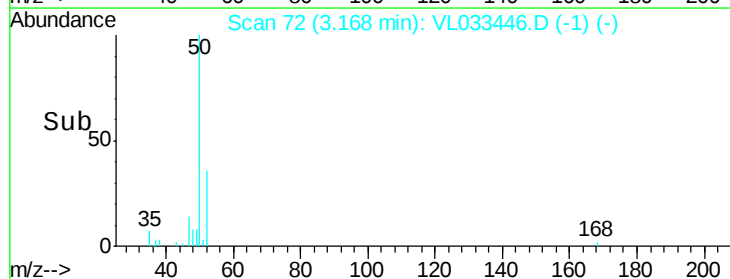
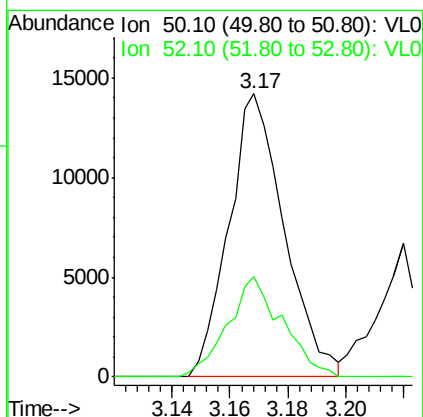
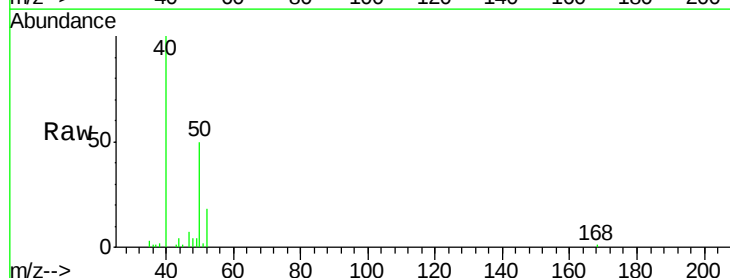
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2019

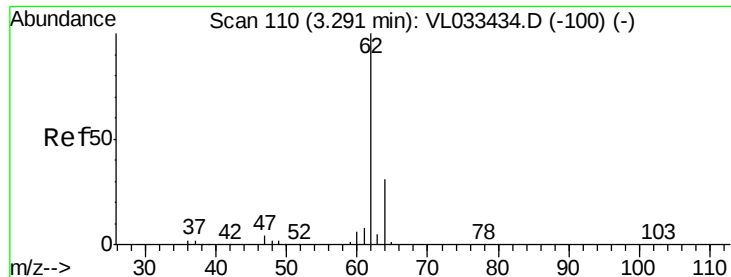
Tgt Ion: 51 Resp: 35460
 Ion Ratio Lower Upper
 51 100
 67 19.2 15.7 23.5



#4
 Chloromethane
 Concen: 0.431 ppbv
 RT: 3.17 min Scan# 72
 Delta R.T. -0.00 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

Tgt Ion: 50 Resp: 18874
 Ion Ratio Lower Upper
 50 100
 52 35.6 25.0 37.6





#5

Vinyl Chloride

Concen: 0.424 ppbv

RT: 3.29 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_L

ClientSampleId :

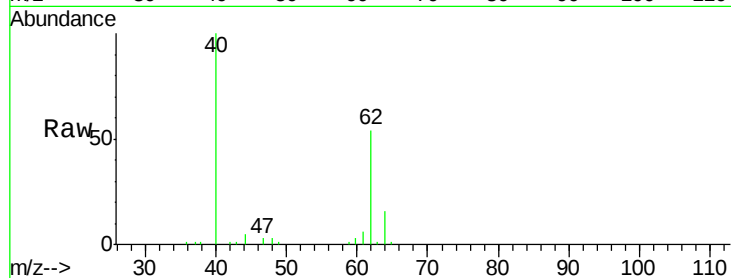
LOD-MDL-AIR-01-QT1-2019

Tgt Ion: 62 Resp: 18259

Ion Ratio Lower Upper

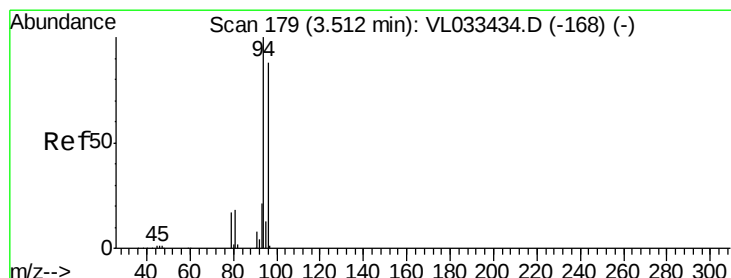
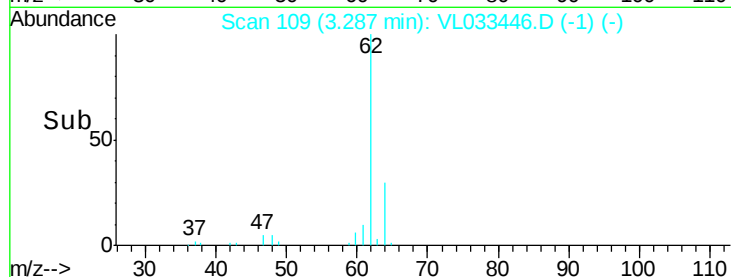
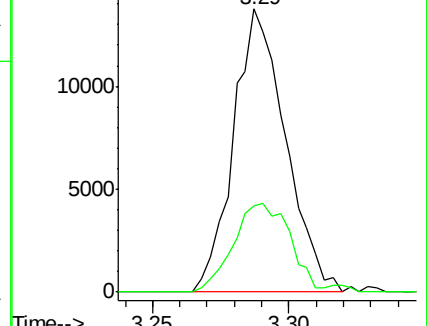
62 100

64 30.3 24.9 37.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.410 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033446.D

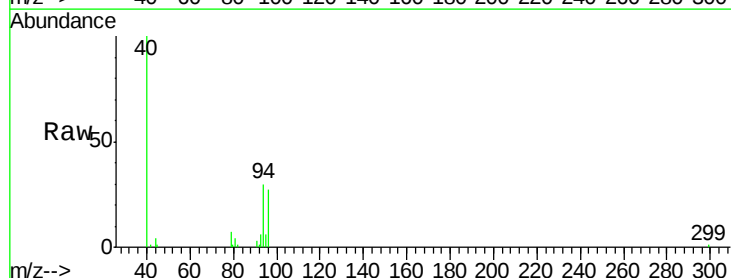
Acq: 25 Mar 2019 21:28

Tgt Ion: 94 Resp: 11349

Ion Ratio Lower Upper

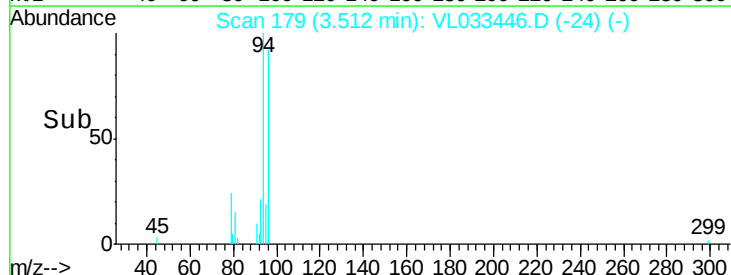
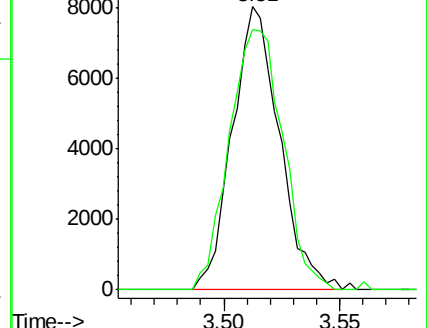
94 100

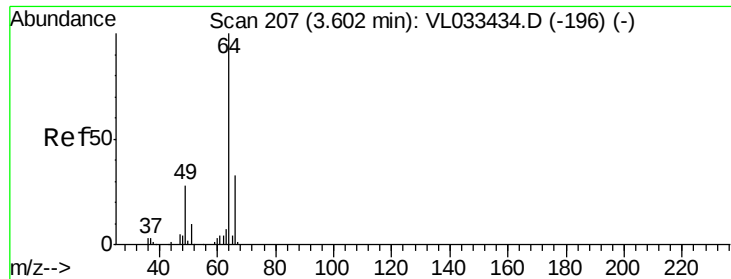
96 76.9 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.459 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_L

ClientSampleId :

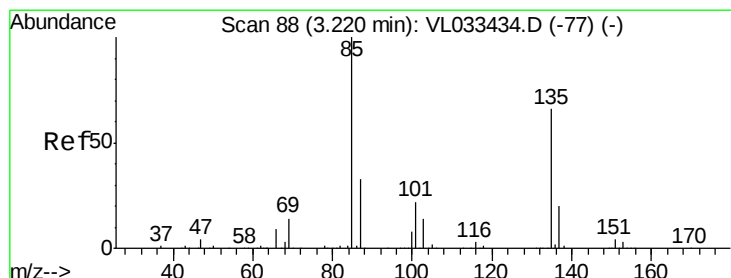
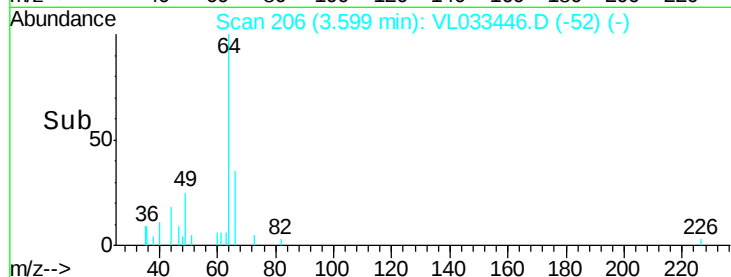
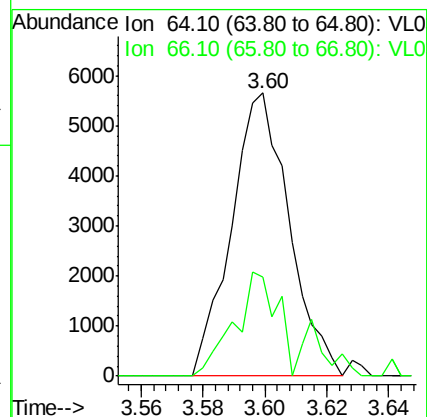
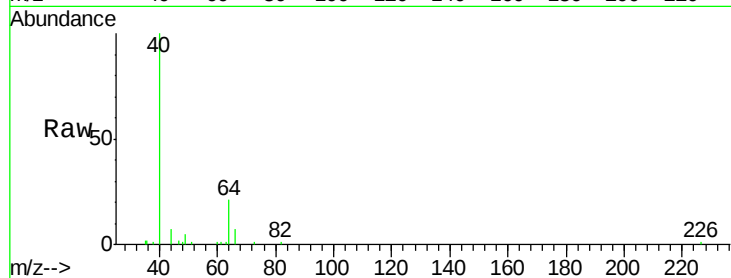
LOD-MDL-AIR-01-QT1-2019

Tgt Ion: 64 Resp: 7352

Ion Ratio Lower Upper

64 100

66 35.0 26.7 40.1



#8

Dichlorotetrafluoroethane

Concen: 0.450 ppbv

RT: 3.22 min Scan# 87

Delta R.T. -0.00 min

Lab File: VL033446.D

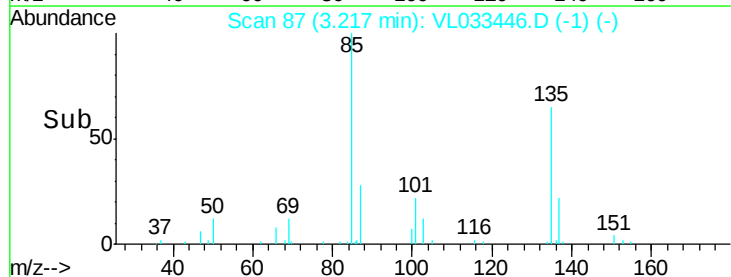
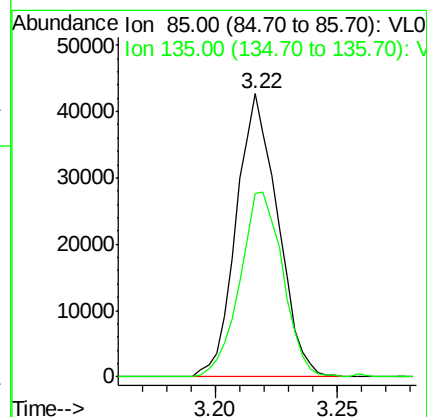
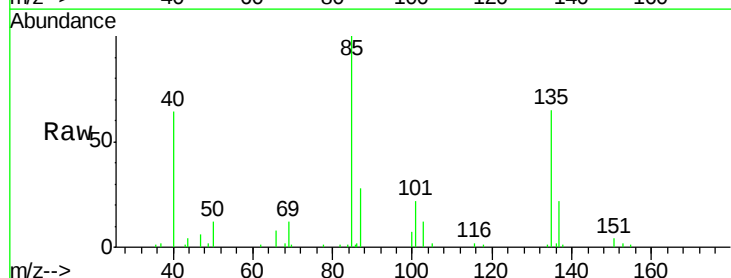
Acq: 25 Mar 2019 21:28

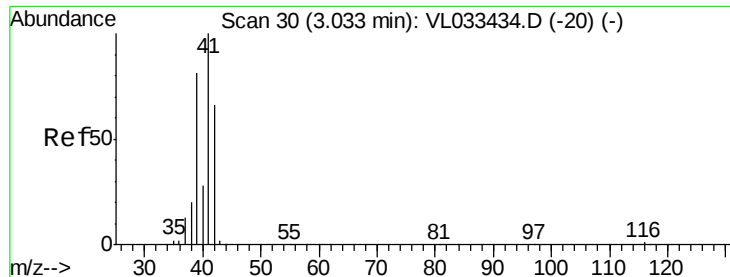
Tgt Ion: 85 Resp: 50310

Ion Ratio Lower Upper

85 100

135 67.6 54.0 81.0





#9

Propene

Concen: 0.412 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_L

ClientSampleId :

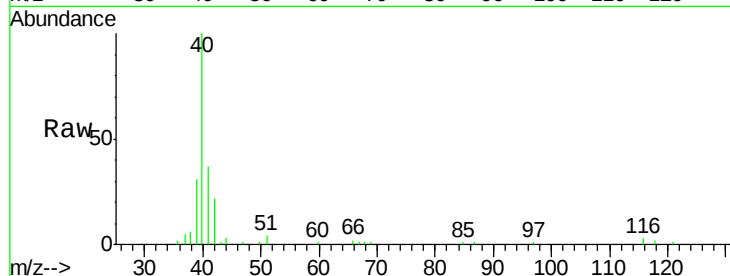
LOD-MDL-AIR-01-QT1-2019

Tgt Ion: 41 Resp: 14326

Ion Ratio Lower Upper

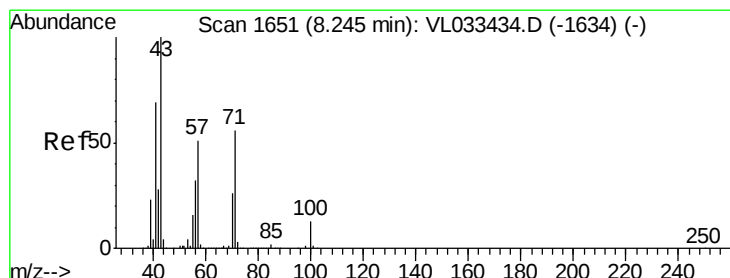
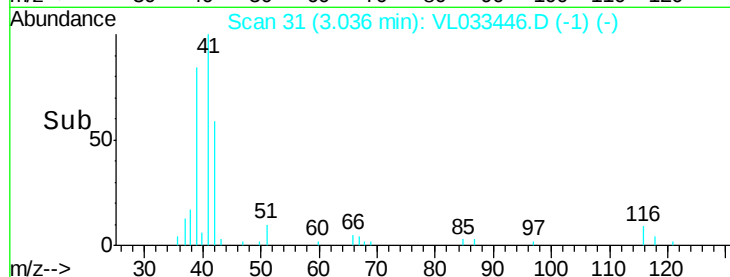
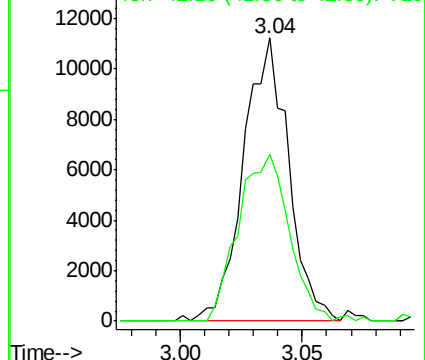
41 100

42 67.7 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: 0.250 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL033446.D

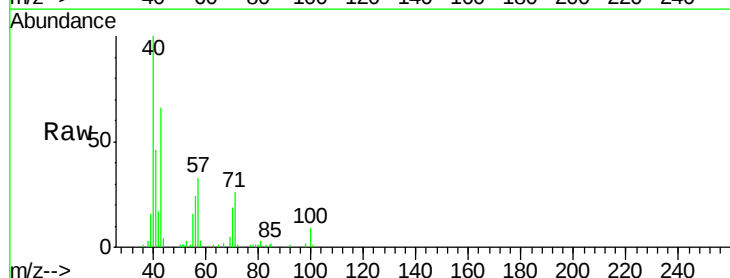
Acq: 25 Mar 2019 21:28

Tgt Ion: 43 Resp: 21788

Ion Ratio Lower Upper

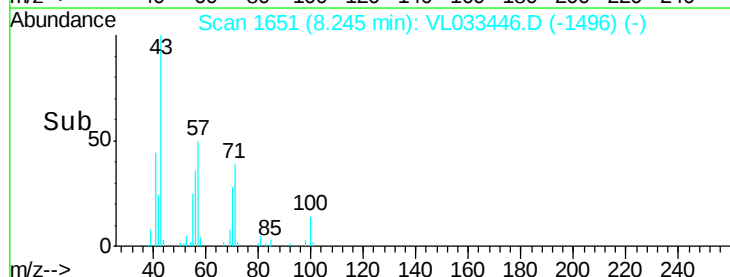
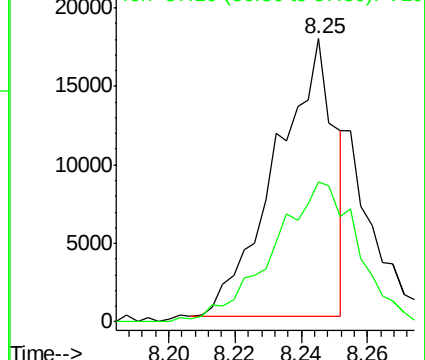
43 100

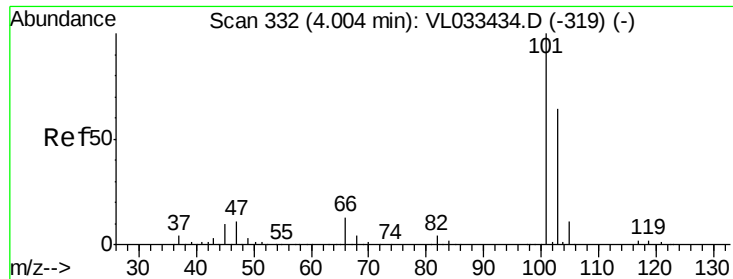
57 73.4 40.6 60.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

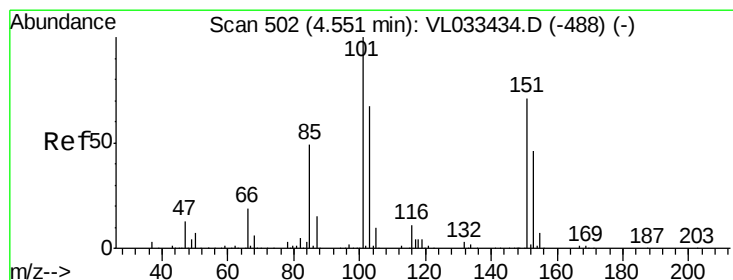
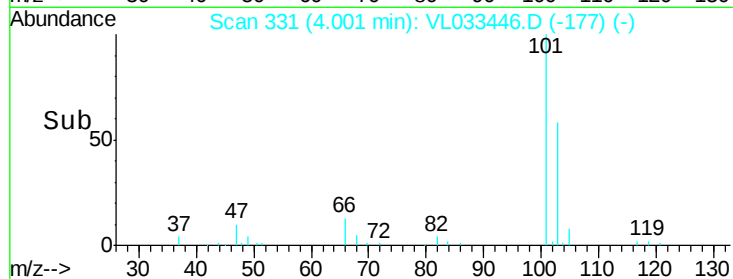
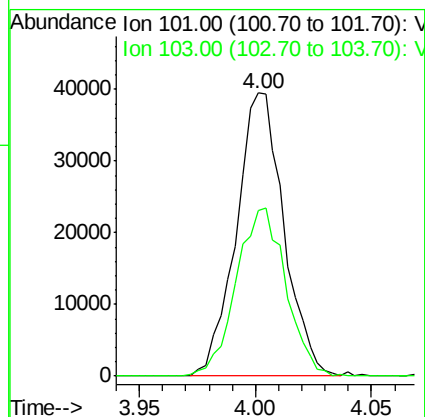
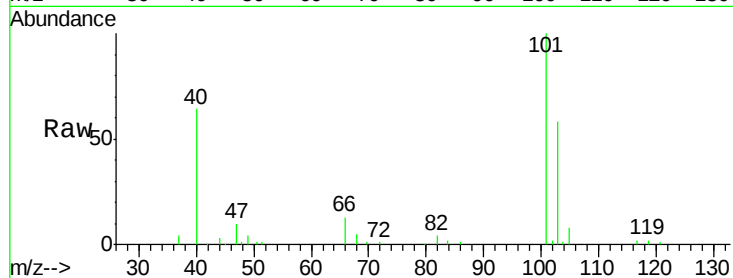




#11
 Trichlorofluoromethane
 Concen: 0.436 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

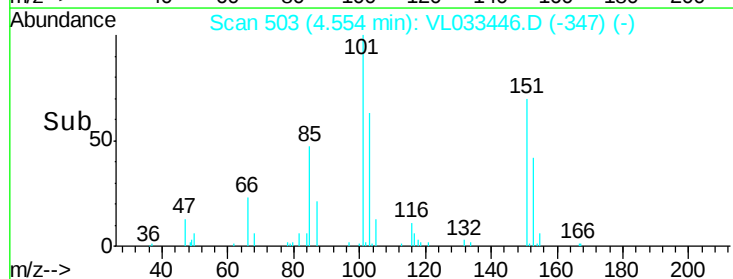
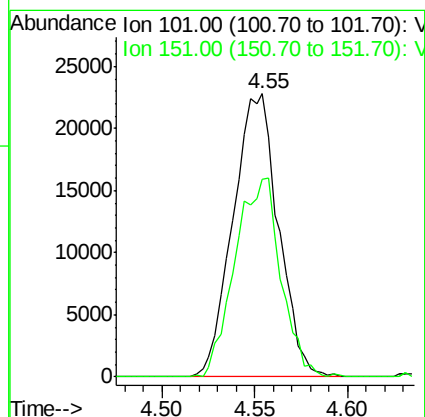
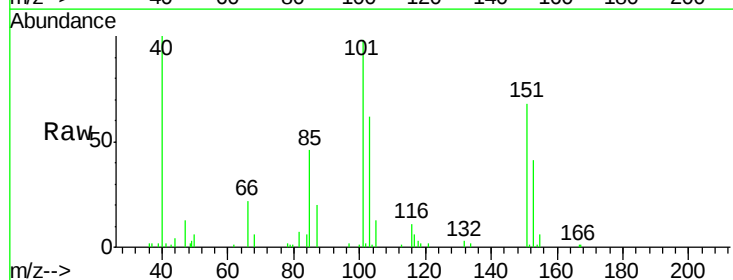
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2019

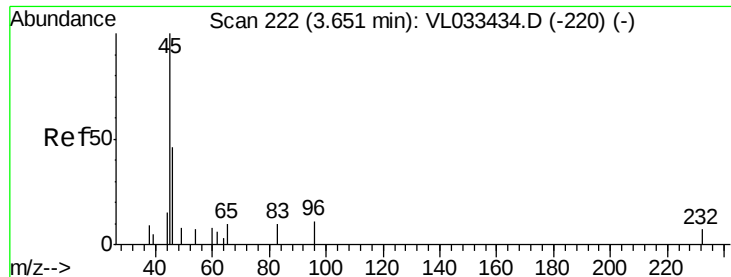
Tgt Ion:101 Resp: 56328
 Ion Ratio Lower Upper
 101 100
 103 57.9 51.3 76.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.446 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

Tgt Ion:101 Resp: 38782
 Ion Ratio Lower Upper
 101 100
 151 70.5 57.7 86.5

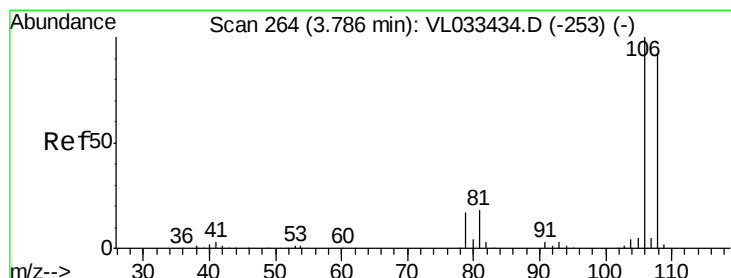
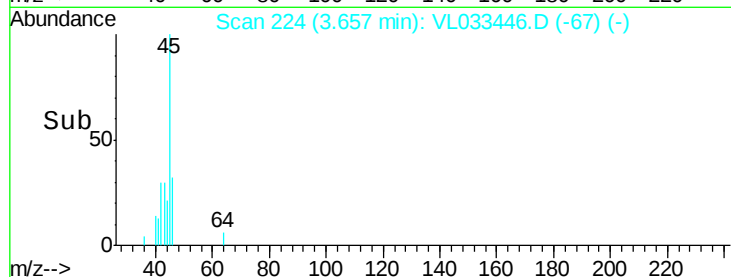
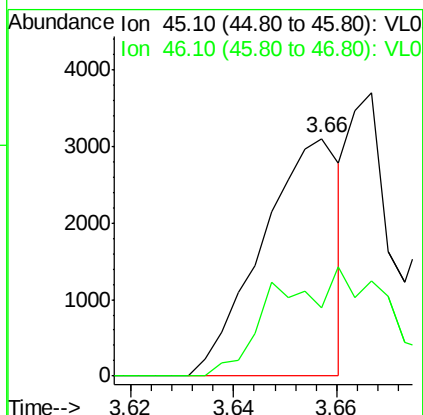
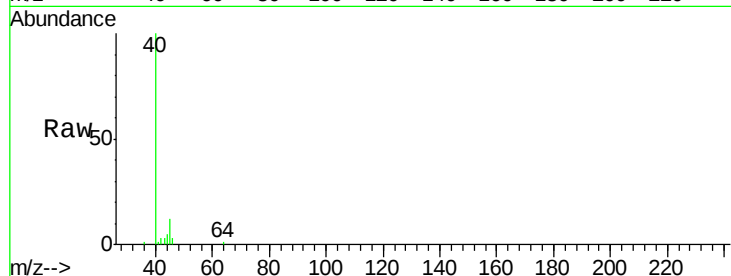




#13
Ethanol
Concen: 0.397 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033446.D
Acq: 25 Mar 2019 21:28

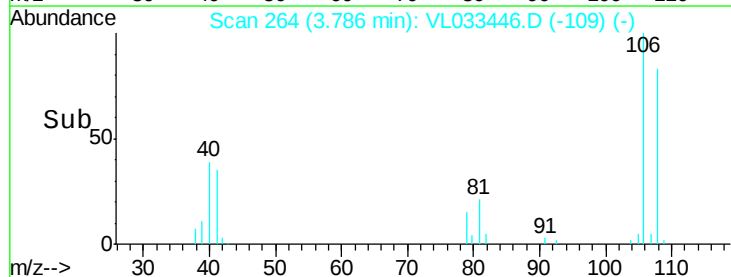
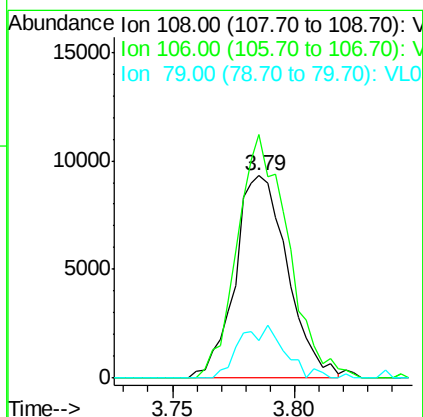
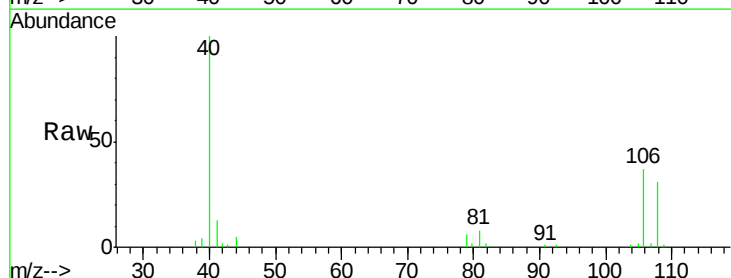
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2019

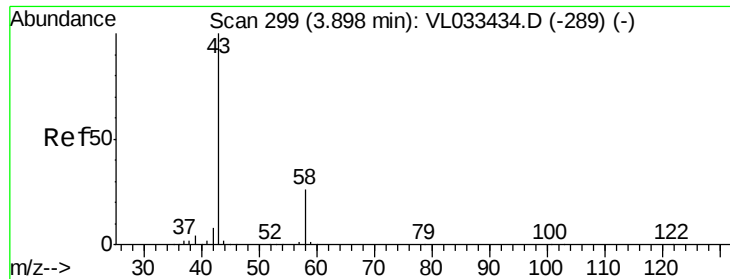
Tgt Ion: 45 Resp: 3261
Ion Ratio Lower Upper
45 100
46 70.9 25.4 101.8



#14
Bromoethene
Concen: 0.399 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033446.D
Acq: 25 Mar 2019 21:28

Tgt Ion: 108 Resp: 13837
Ion Ratio Lower Upper
108 100
106 117.5 86.4 129.6
79 23.4 15.8 23.8





#15

Acetone

Concen: 0.456 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.01 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_L

ClientSampleId :

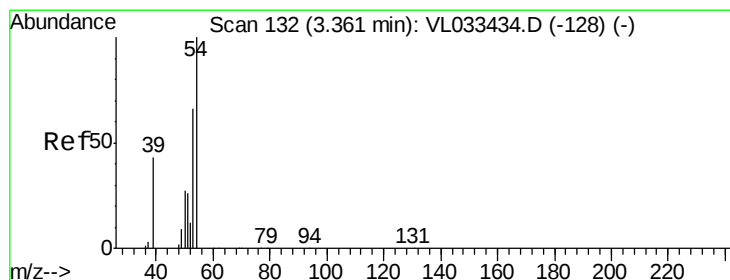
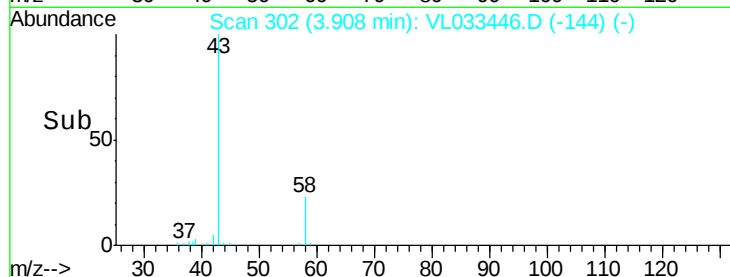
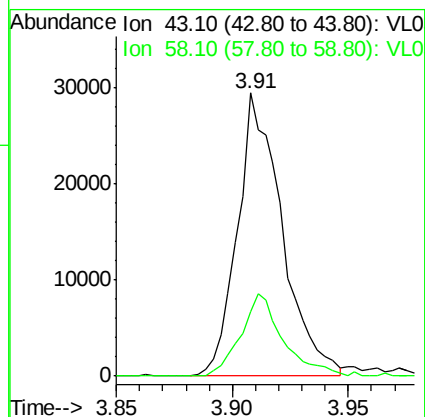
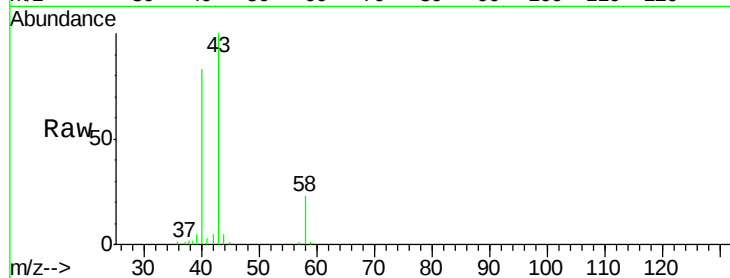
LOD-MDL-AIR-01-QT1-2019

Tgt Ion: 43 Resp: 39444

Ion Ratio Lower Upper

43 100

58 27.8 20.5 30.7



#16

1,3-Butadiene

Concen: 0.414 ppbv

RT: 3.36 min Scan# 131

Delta R.T. -0.00 min

Lab File: VL033446.D

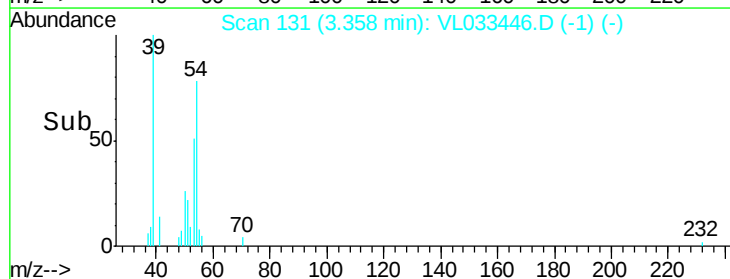
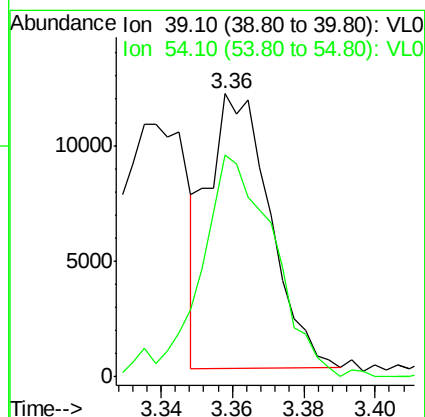
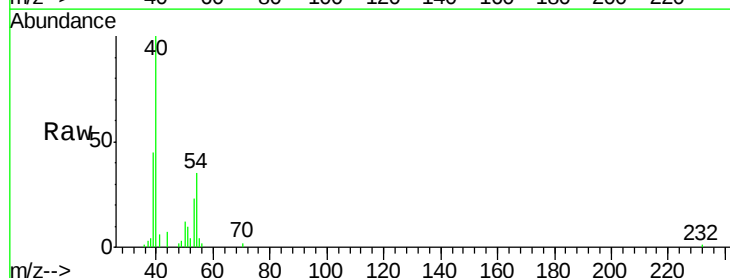
Acq: 25 Mar 2019 21:28

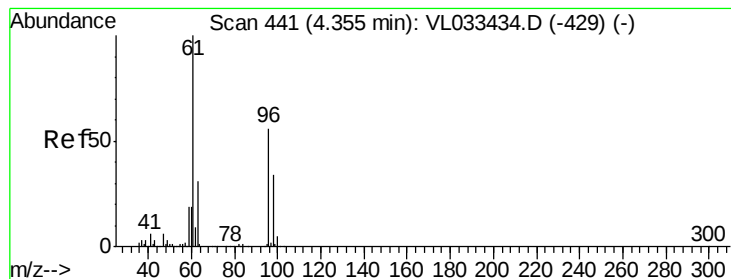
Tgt Ion: 39 Resp: 14191

Ion Ratio Lower Upper

39 100

54 97.0 69.4 104.2





#17

tert-Butyl alcohol

Concen: 0.046 ppbv

RT: 4.35 min Scan# 441

Delta R.T. -0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_L

ClientSampleId :

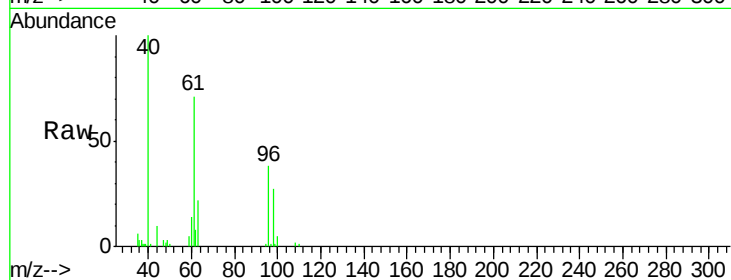
LOD-MDL-AIR-01-QT1-2019

Tgt Ion: 59 Resp: 736

Ion Ratio Lower Upper

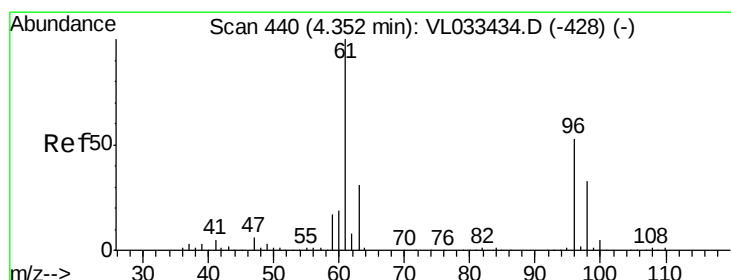
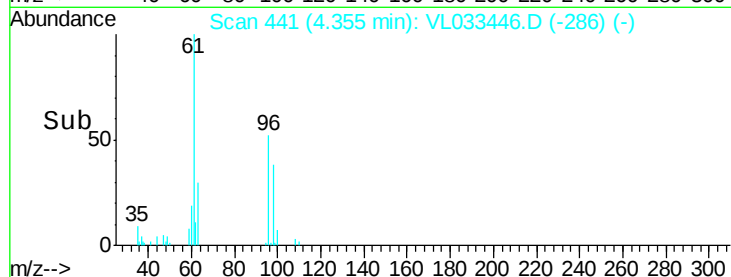
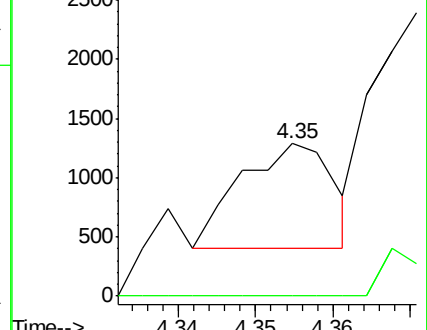
59 100

57 0.0 7.8 11.8#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.414 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

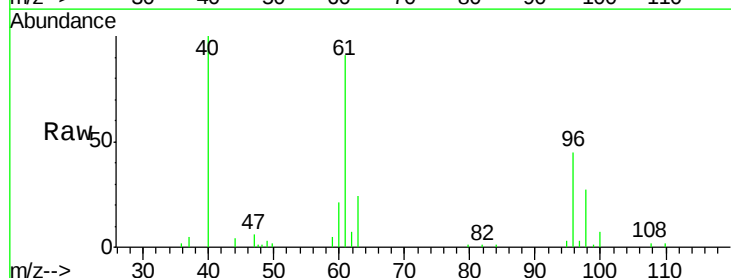
Tgt Ion: 96 Resp: 15462

Ion Ratio Lower Upper

96 100

61 200.8 149.8 224.6

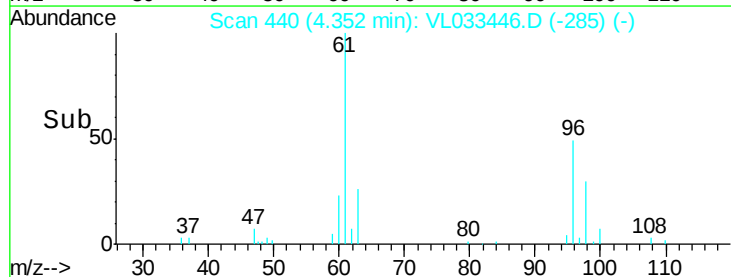
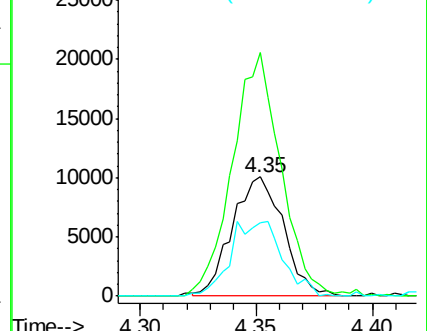
98 61.1 48.7 73.1

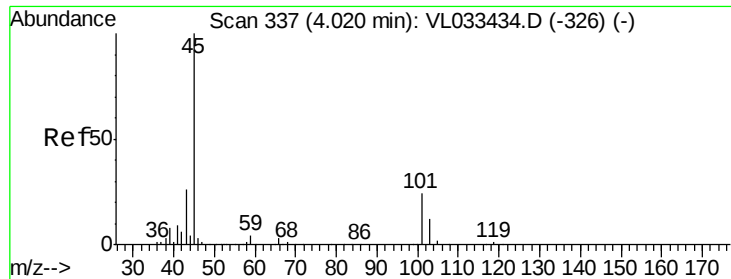


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.267 ppbv

RT: 4.04 min Scan# 343

Delta R.T. 0.02 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_L

ClientSampleId :

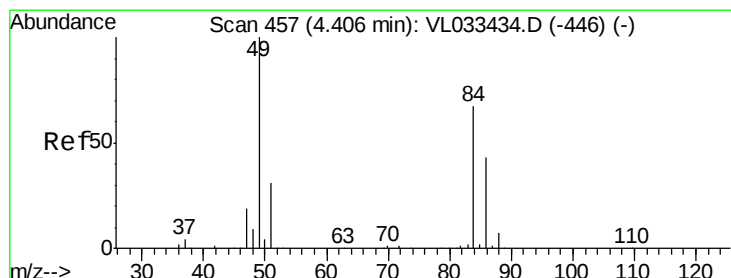
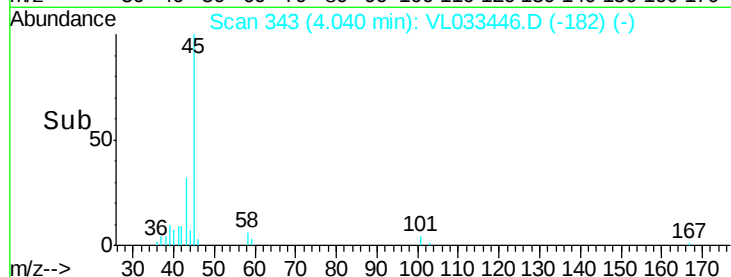
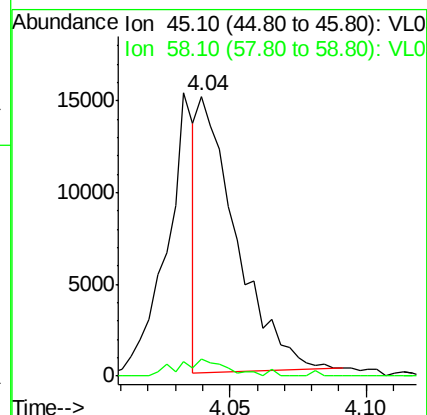
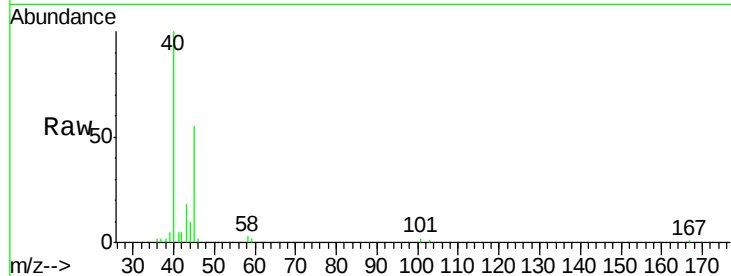
LOD-MDL-AIR-01-QT1-2019

Tgt Ion: 45 Resp: 14611

Ion Ratio Lower Upper

45 100

58 8.5 1.4 2.2#



#20

Methylene Chloride

Concen: 0.491 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Tgt Ion: 84 Resp: 18030

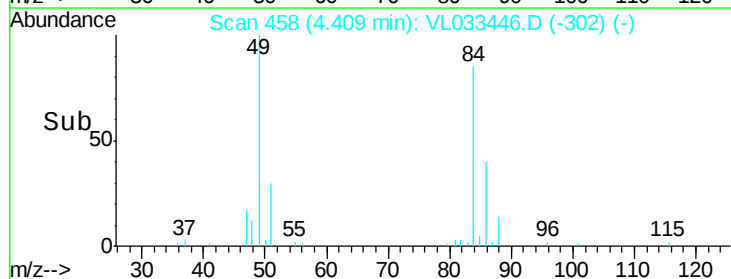
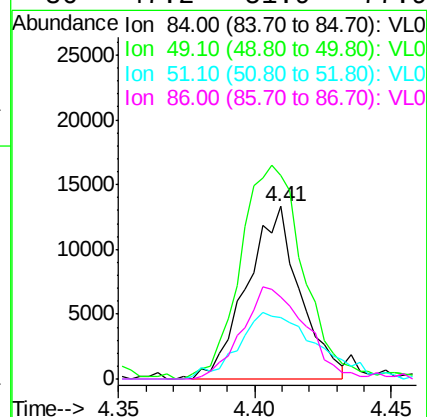
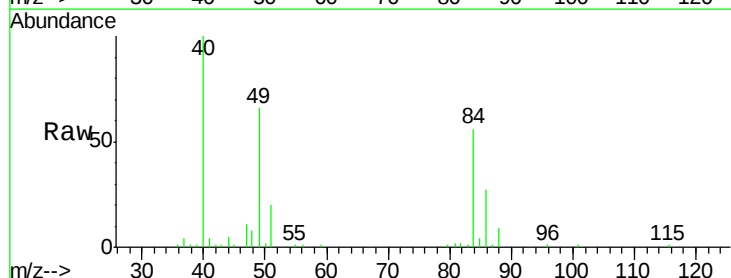
Ion Ratio Lower Upper

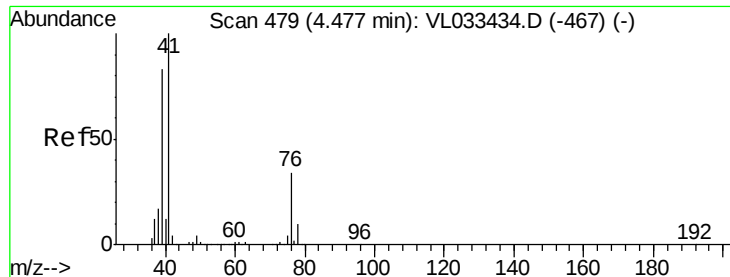
84 100

49 115.7 120.0 180.0#

51 34.3 36.7 55.1#

86 47.2 51.9 77.9#





#21

Allyl Chloride

Concen: 0.404 ppbv

RT: 4.48 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2019

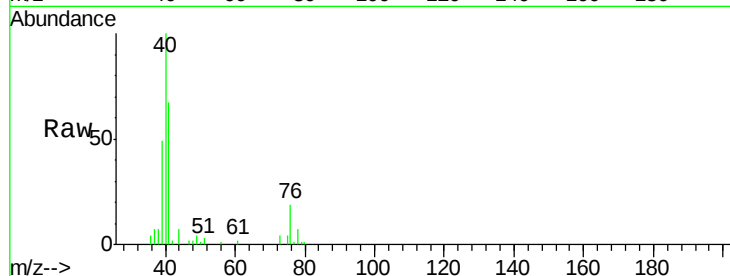
Tgt Ion: 41 Resp: 22112

Ion Ratio Lower Upper

41 100

76 29.6 25.4 38.2

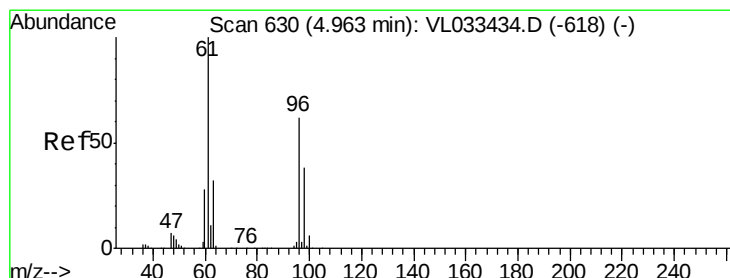
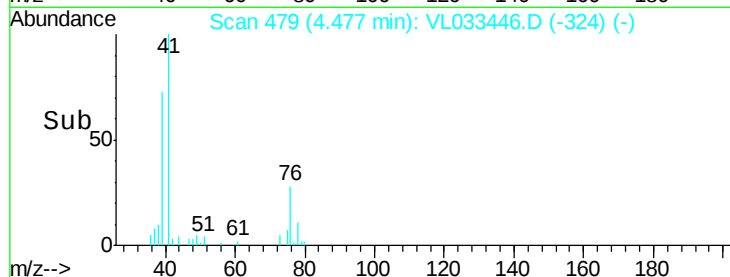
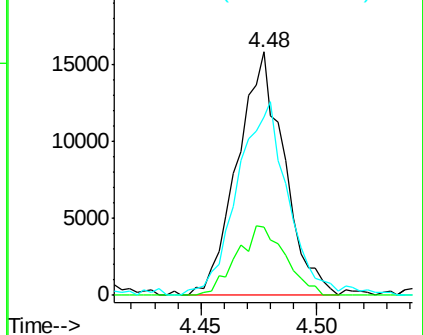
39 87.1 65.3 97.9



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: 0.415 ppbv

RT: 4.96 min Scan# 630

Delta R.T. -0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

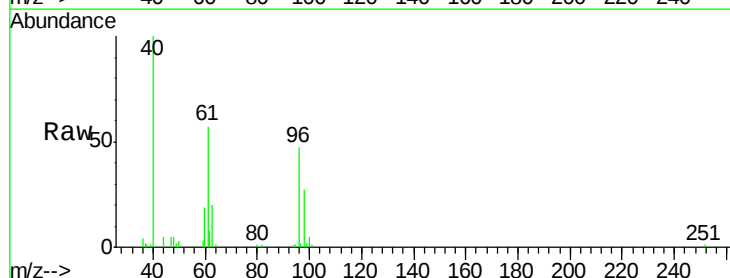
Tgt Ion: 96 Resp: 16152

Ion Ratio Lower Upper

96 100

61 126.4 128.9 193.3#

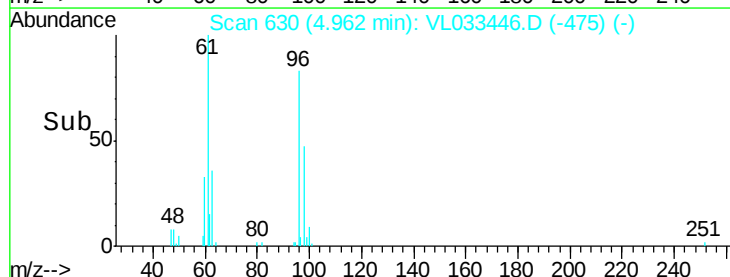
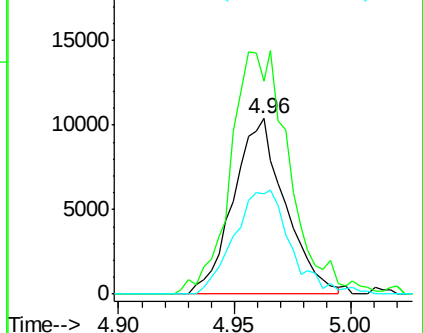
98 54.5 49.5 74.3

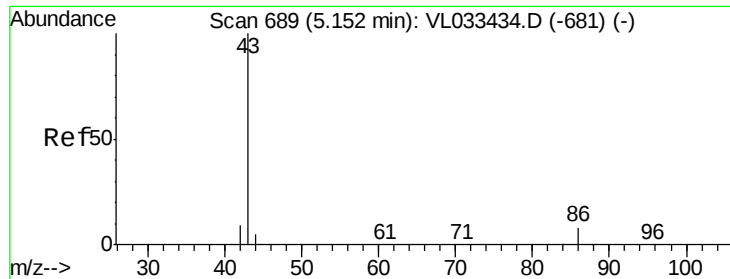


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

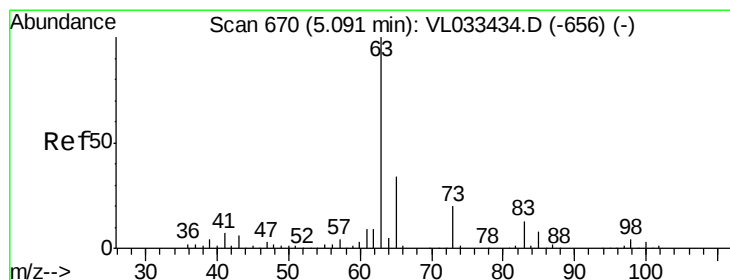
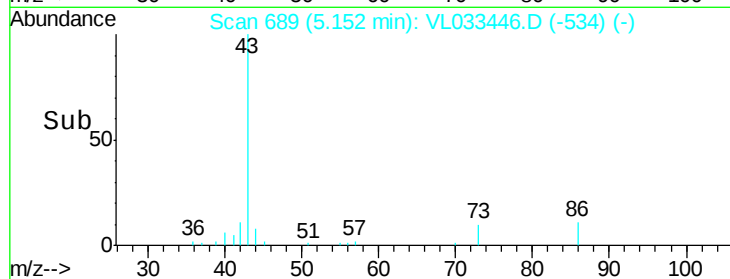
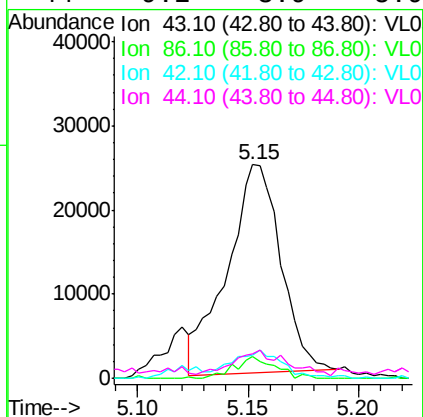
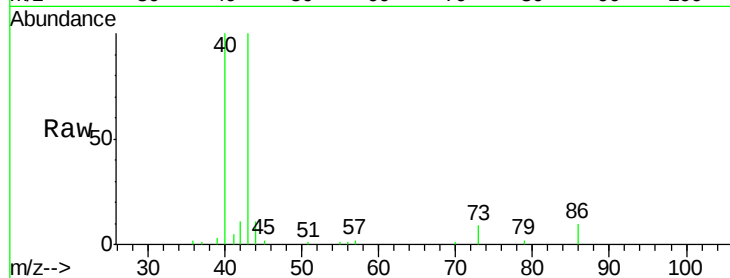




#23
 Vinyl Acetate
 Concen: 0.341 ppbv
 RT: 5.15 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

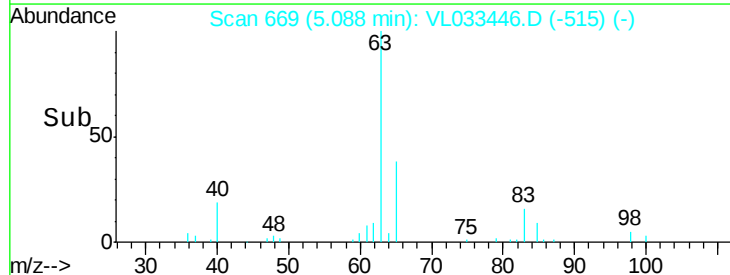
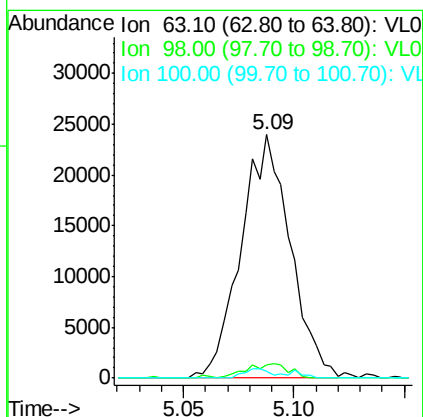
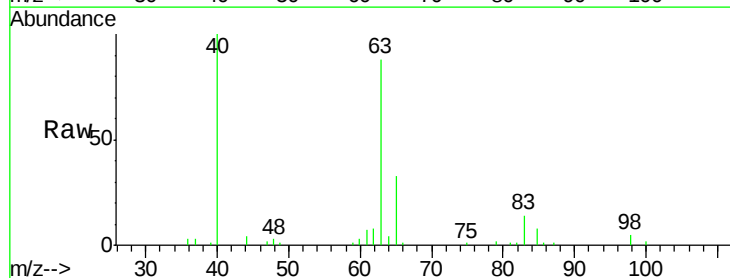
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2019

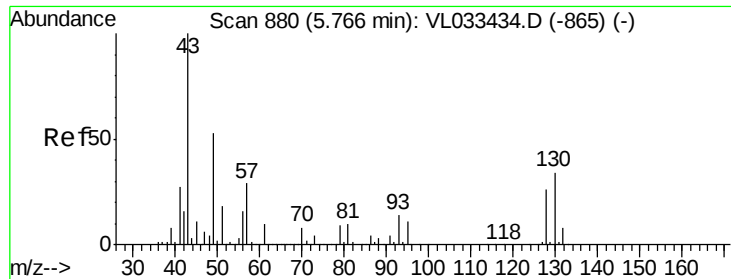
Tgt Ion:	43	Resp:	42041
Ion	Ratio	Lower	Upper
43	100		
86	10.9	5.6	8.4#
42	10.1	8.0	12.0
44	9.2	3.9	5.9#



#24
 1,1-Dichloroethane
 Concen: 0.399 ppbv
 RT: 5.09 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

Tgt Ion:	63	Resp:	37293
Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.2	6.6
100	2.6	1.5	4.4





#25

Ethyl Acetate

Concen: 0.367 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.01 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2019

Tgt Ion: 43 Resp: 58964

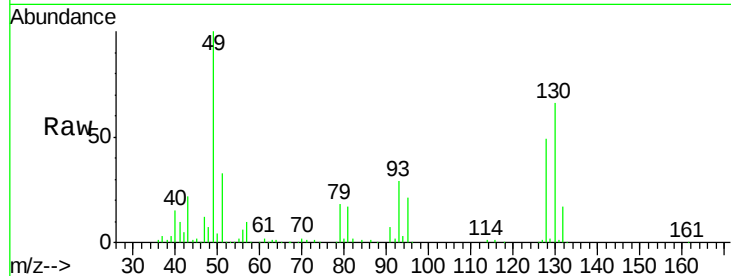
Ion Ratio Lower Upper

43 100

45 9.9 7.8 11.6

61 9.8 7.3 10.9

70 7.7 5.6 8.4

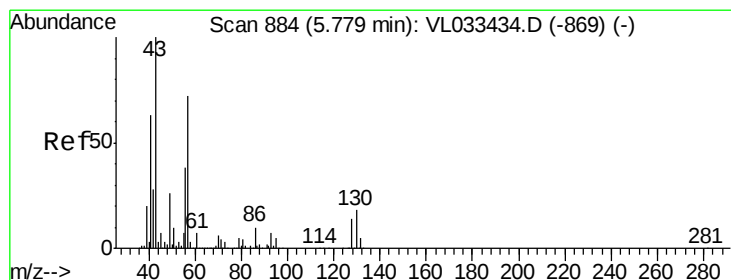
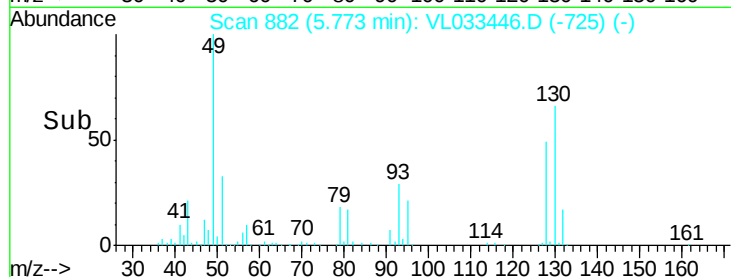
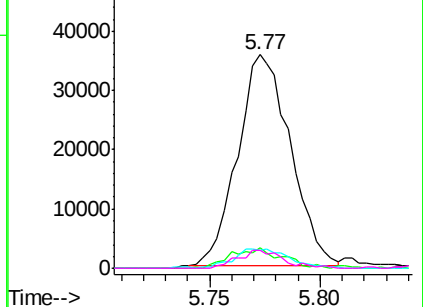


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.386 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.01 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Tgt Ion: 57 Resp: 27568

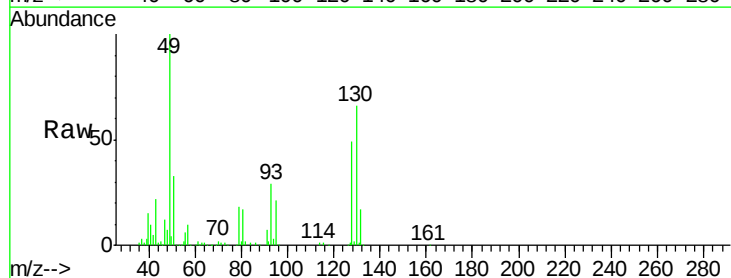
Ion Ratio Lower Upper

57 100

41 99.9 70.7 106.1

43 229.2 182.6 274.0

56 59.5 42.0 63.0

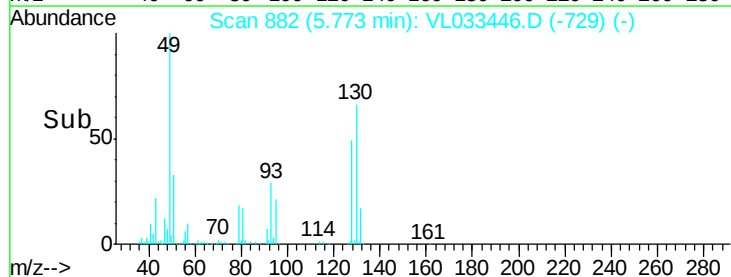
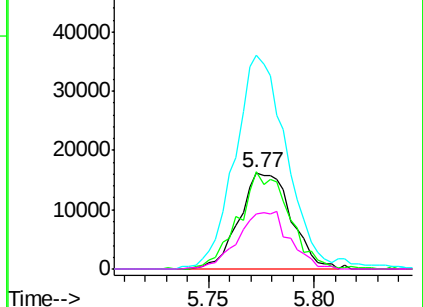


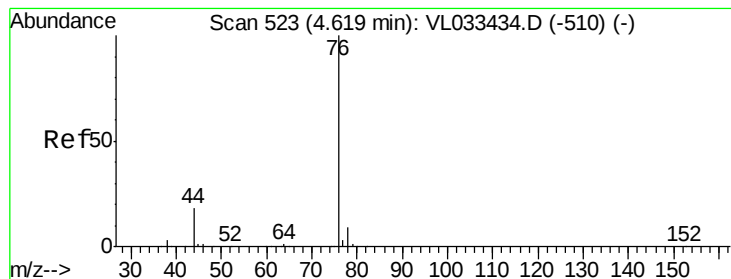
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.365 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2019

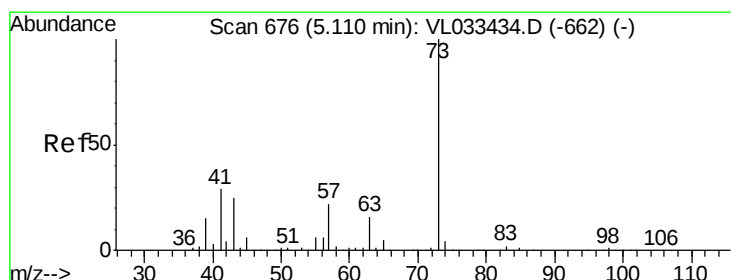
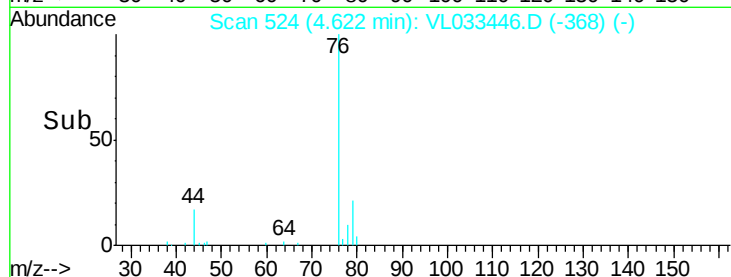
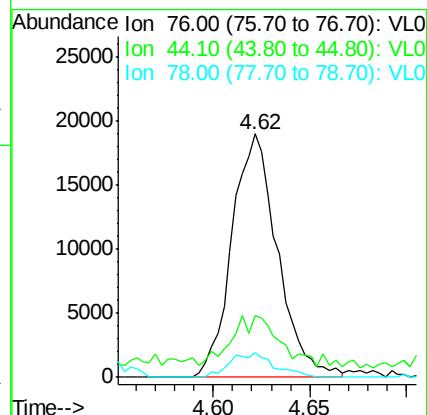
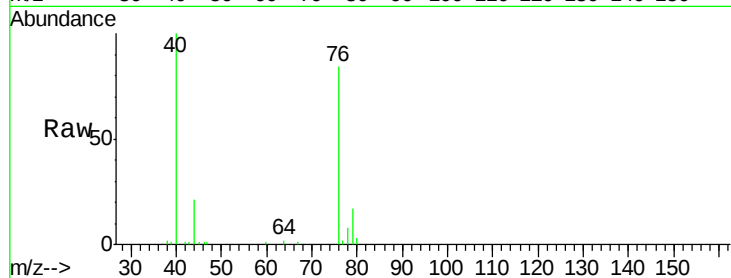
Tgt Ion: 76 Resp: 31006

Ion Ratio Lower Upper

76 100

44 28.0 14.8 22.2#

78 9.8 7.6 11.4



#28

Methyl tert-Butyl Ether

Concen: 0.340 ppbv

RT: 5.12 min Scan# 680

Delta R.T. 0.01 min

Lab File: VL033446.D

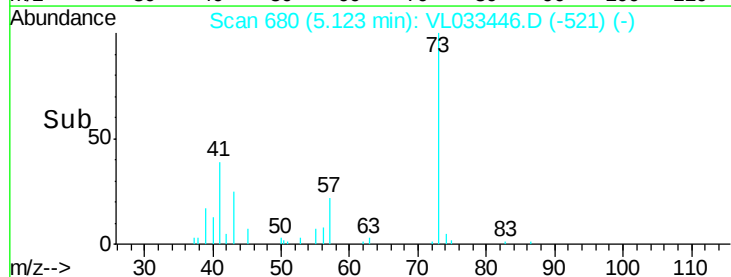
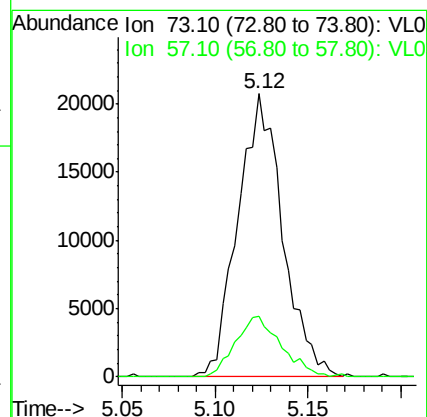
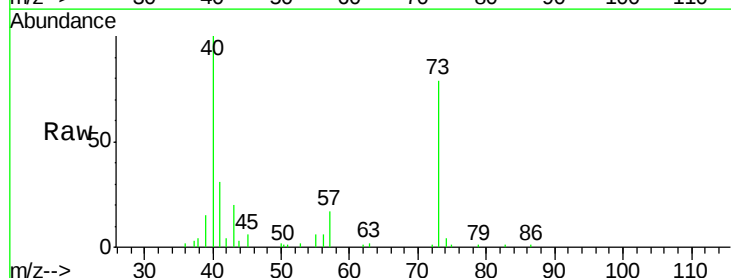
Acq: 25 Mar 2019 21:28

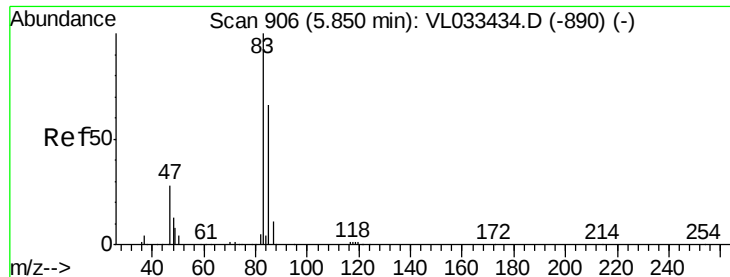
Tgt Ion: 73 Resp: 34908

Ion Ratio Lower Upper

73 100

57 22.0 17.4 26.2





#29

Chloroform

Concen: 0.410 ppbv

RT: 5.84 min Scan# 904

Delta R.T. -0.01 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_L

ClientSampleId :

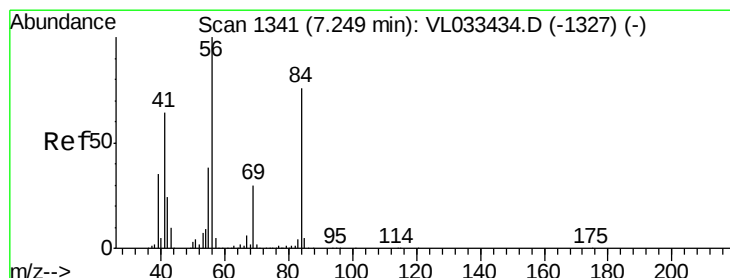
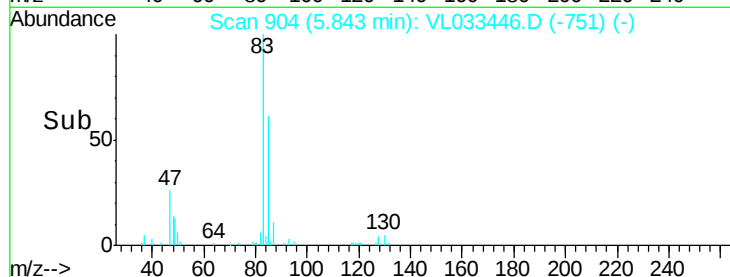
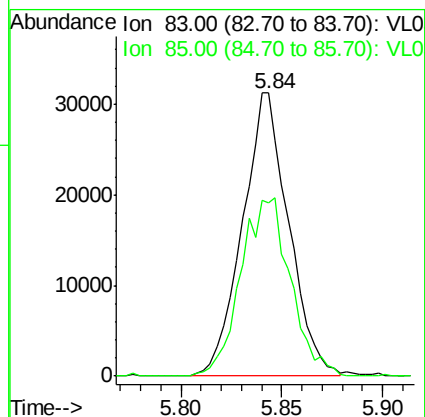
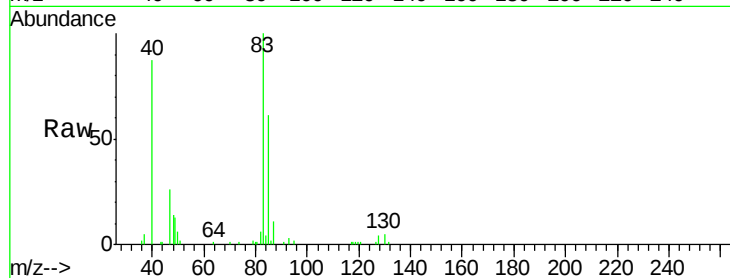
LOD-MDL-AIR-01-QT1-2019

Tgt Ion: 83 Resp: 50157

Ion Ratio Lower Upper

83 100

85 61.4 52.6 79.0



#30

Cyclohexane

Concen: 0.277 ppbv

RT: 7.25 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

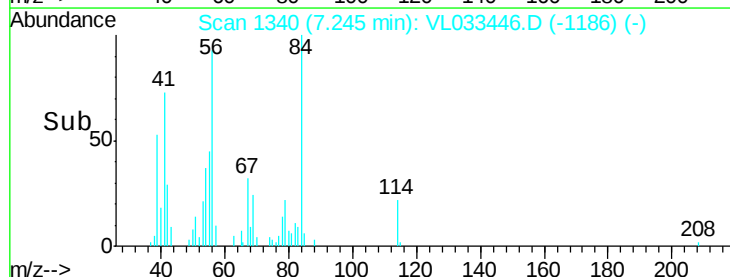
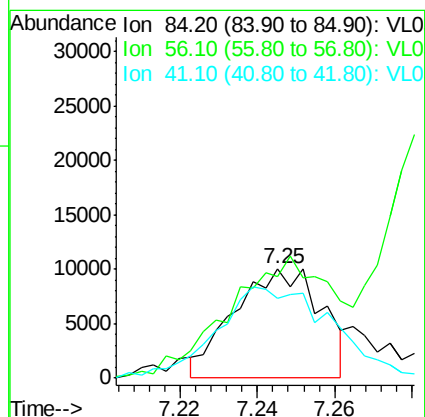
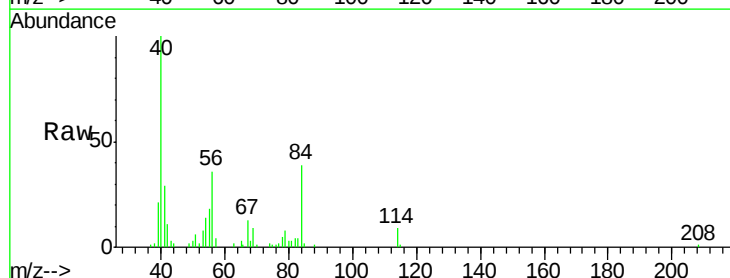
Tgt Ion: 84 Resp: 15620

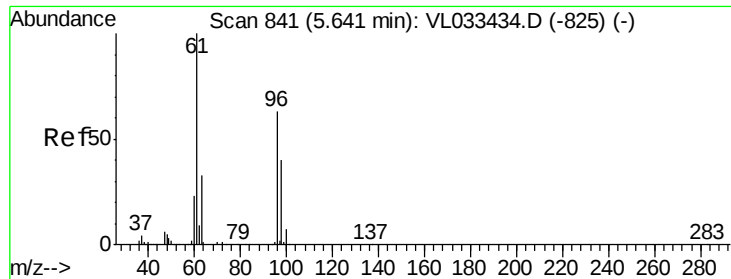
Ion Ratio Lower Upper

84 100

56 0.0 109.7 164.5#

41 113.0 68.2 102.2#



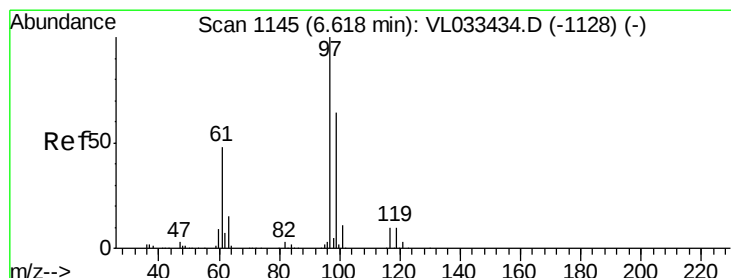
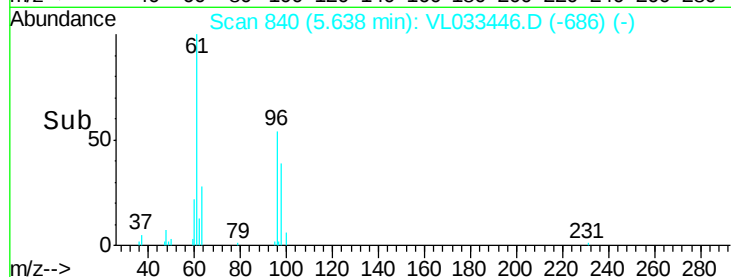
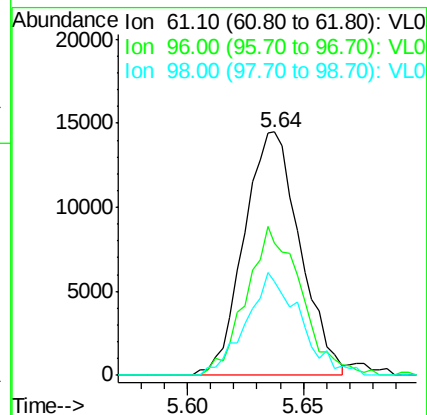
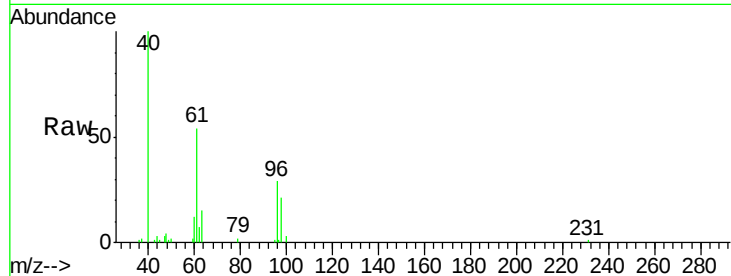


#31

cis-1,2-Dichloroethene
 Concen: 0.342 ppbv
 RT: 5.64 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2019

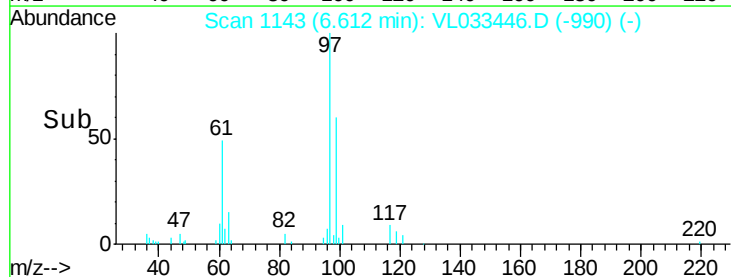
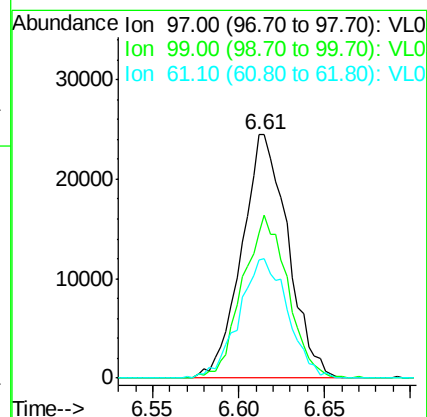
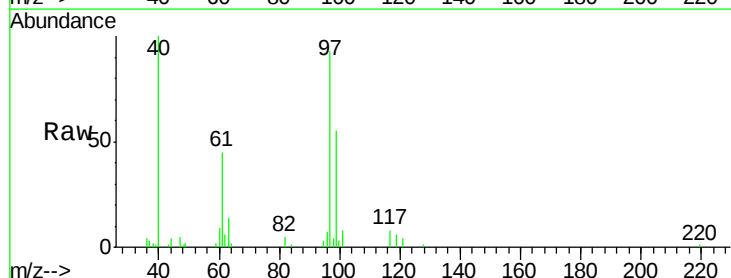
Tgt Ion: 61 Resp: 24243
 Ion Ratio Lower Upper
 61 100
 96 54.3 50.6 76.0
 98 38.8 32.2 48.2

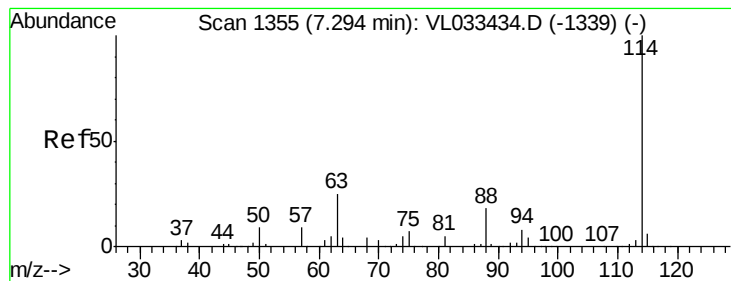


#32

1,1,1-Trichloroethane
 Concen: 0.392 ppbv
 RT: 6.61 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

Tgt Ion: 97 Resp: 45649
 Ion Ratio Lower Upper
 97 100
 99 65.5 51.5 77.3
 61 51.6 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2019

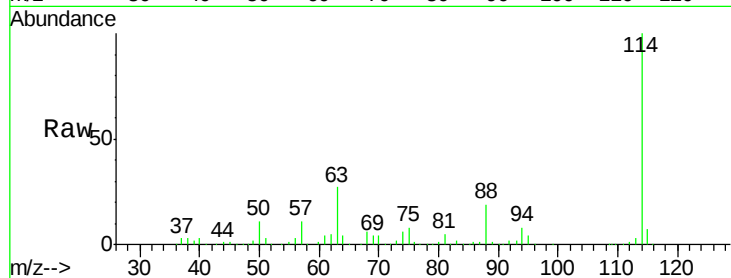
Tgt Ion:114 Resp: 1676426

Ion Ratio Lower Upper

114 100

63 27.3 21.5 32.3

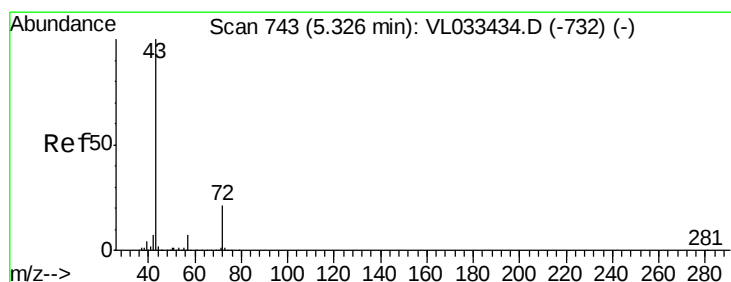
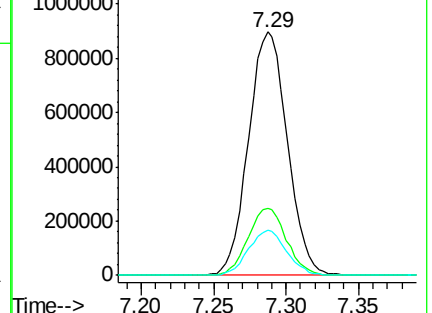
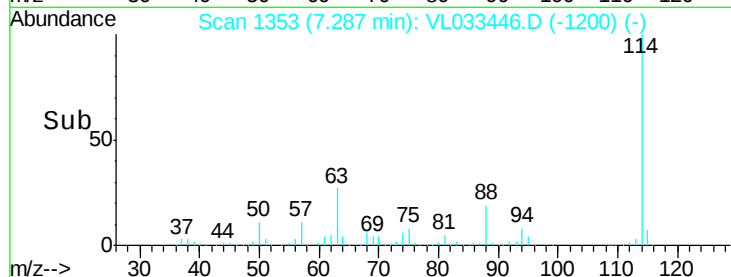
88 18.3 14.5 21.7



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: 0.348 ppbv

RT: 5.34 min Scan# 748

Delta R.T. 0.02 min

Lab File: VL033446.D

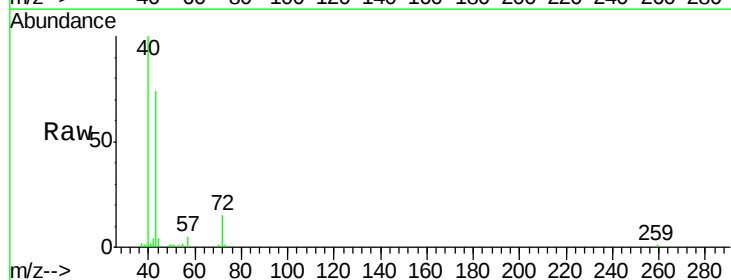
Acq: 25 Mar 2019 21:28

Tgt Ion: 43 Resp: 35029

Ion Ratio Lower Upper

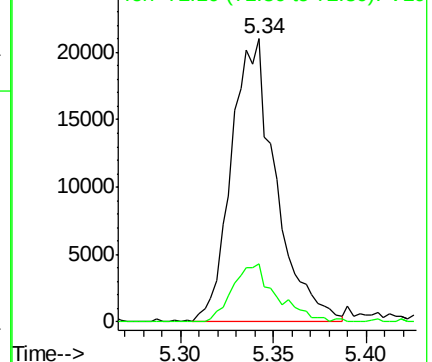
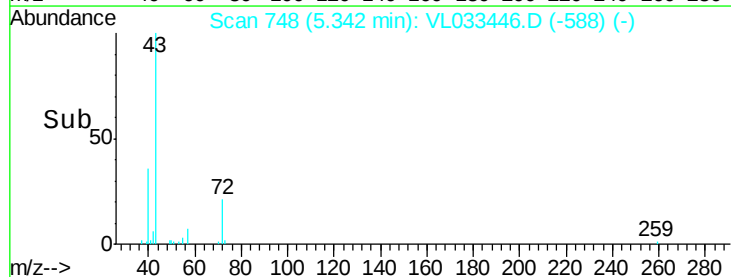
43 100

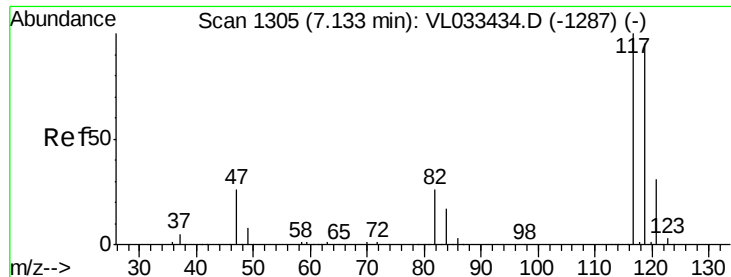
72 20.3 17.4 26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.437 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2019

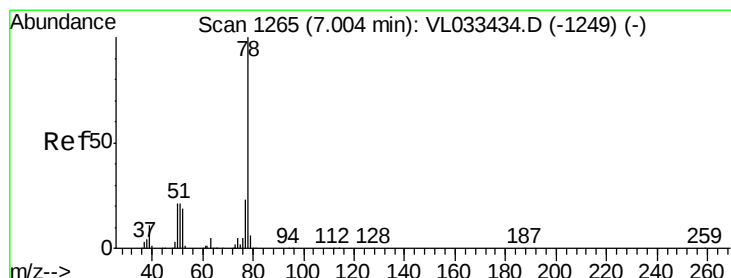
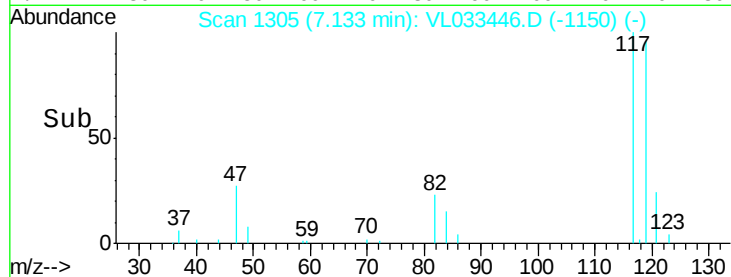
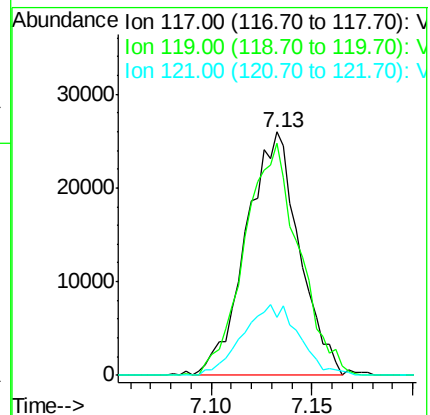
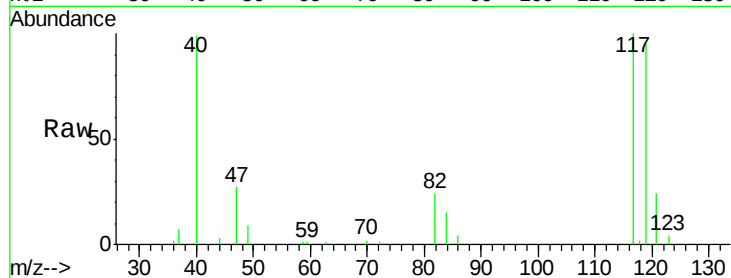
Tgt Ion:117 Resp: 47737

Ion Ratio Lower Upper

117 100

119 95.3 75.8 113.8

121 23.8 24.7 37.1#



#36

Benzene

Concen: 0.355 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

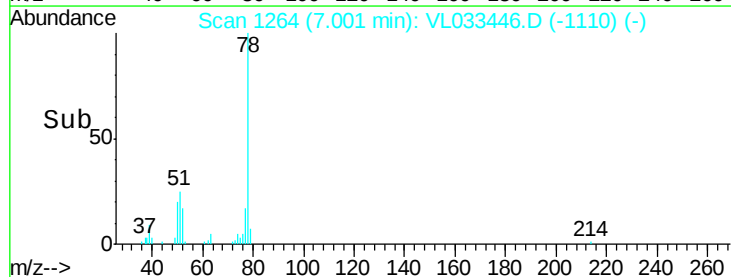
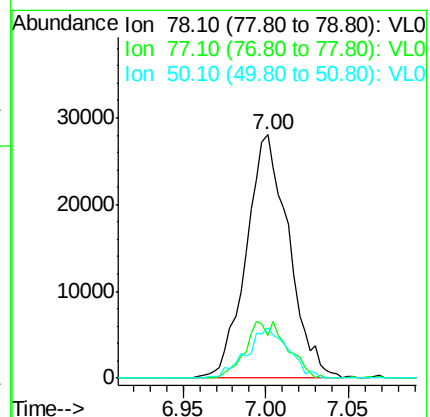
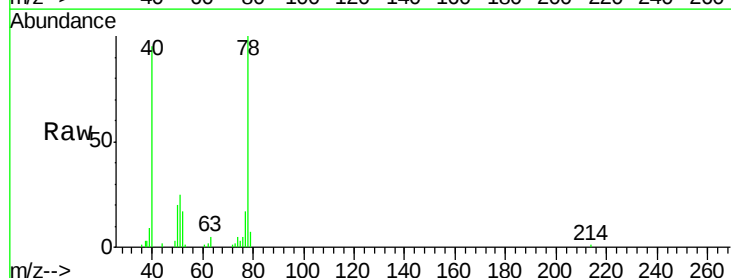
Tgt Ion: 78 Resp: 49993

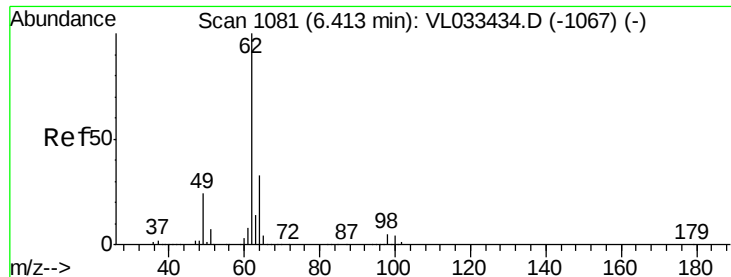
Ion Ratio Lower Upper

78 100

77 17.3 18.1 27.1#

50 20.5 16.7 25.1

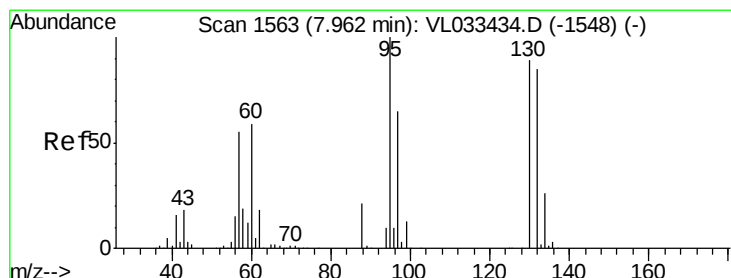
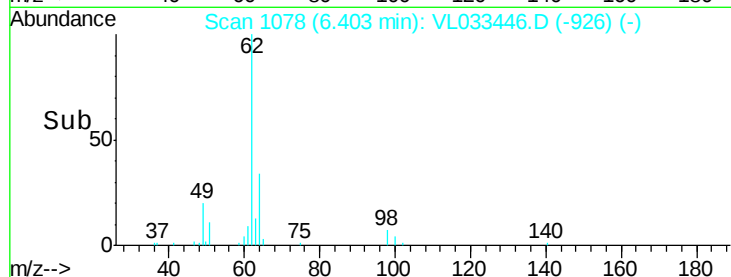
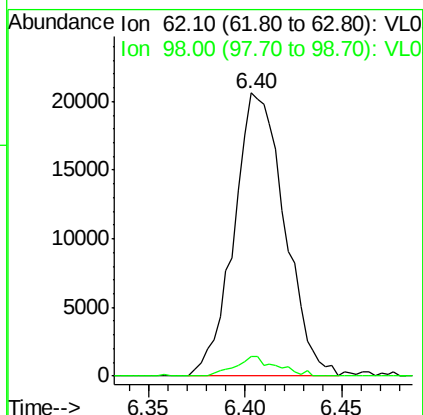
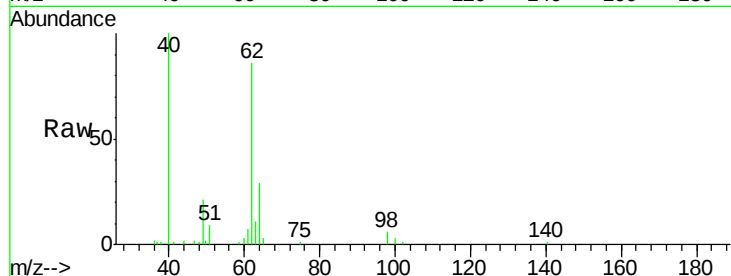




#37
 1,2-Dichloroethane
 Concen: 0.399 ppbv
 RT: 6.40 min Scan# 1078
 Delta R.T. -0.01 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

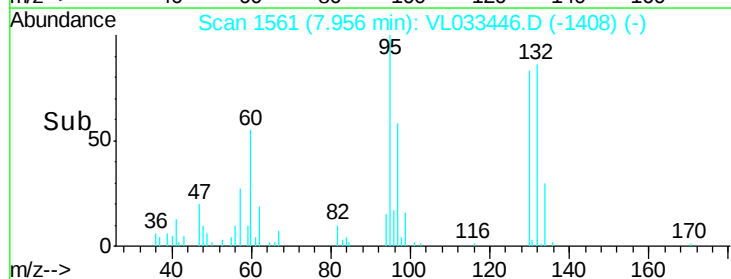
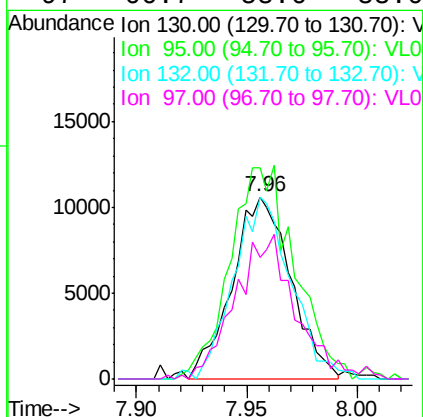
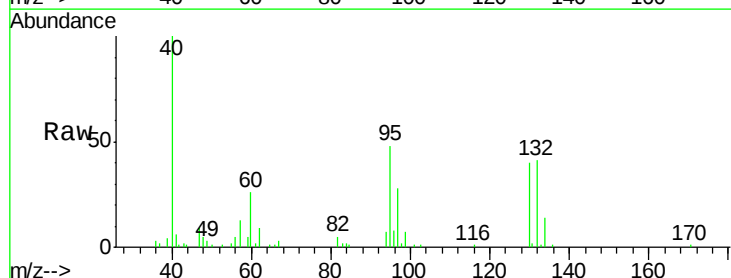
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2019

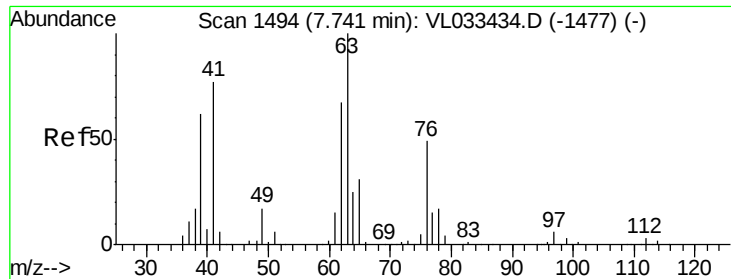
Tgt Ion: 62 Resp: 37594
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.4 6.6



#38
 Trichloroethene
 Concen: 0.371 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

Tgt Ion: 130 Resp: 19624
 Ion Ratio Lower Upper
 130 100
 95 111.4 89.8 134.8
 132 95.0 76.6 115.0
 97 66.7 58.6 88.0

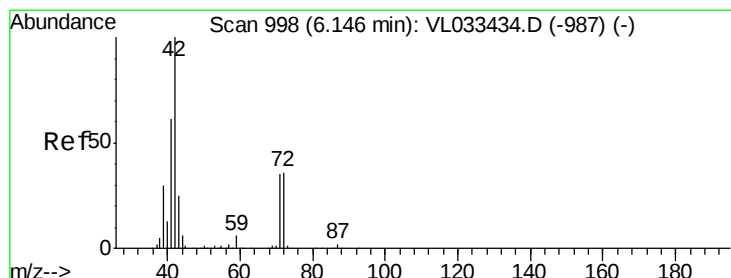
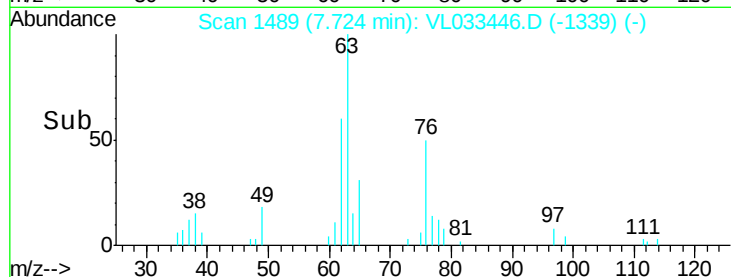
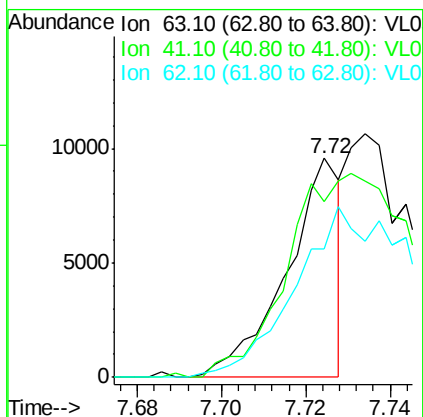
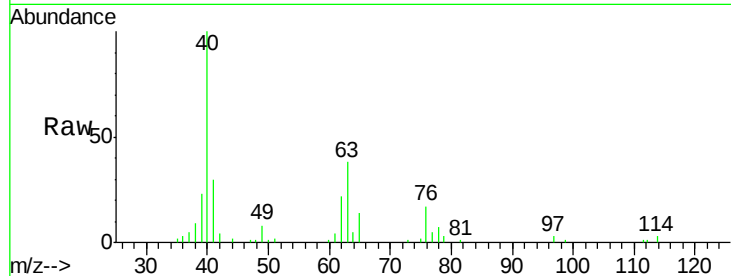




#39
 1,2-Dichloropropane
 Concen: 0.155 ppbv
 RT: 7.72 min Scan# 1489
 Delta R.T. -0.02 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

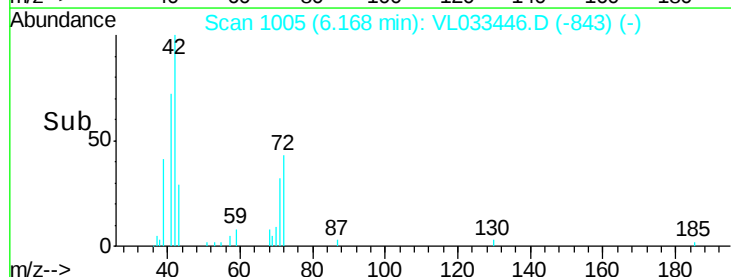
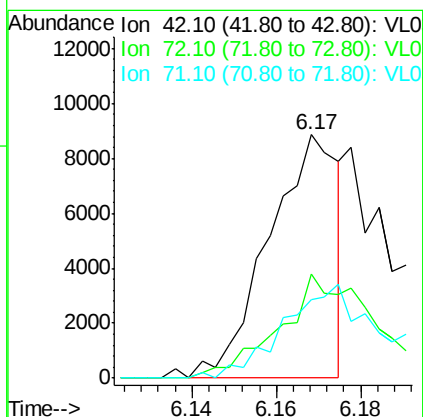
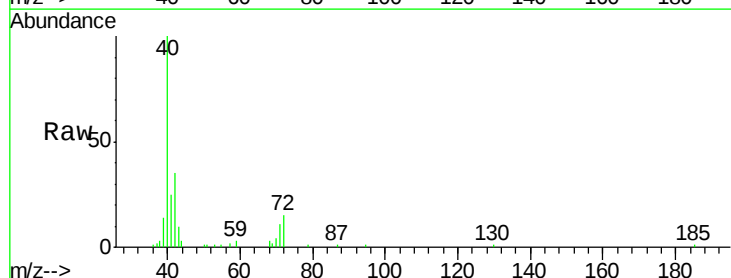
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2019

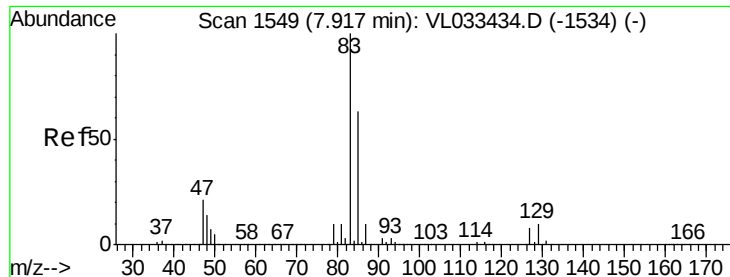
Tgt Ion: 63 Resp: 8540
 Ion Ratio Lower Upper
 63 100
 41 80.4 61.2 91.8
 62 58.6 54.0 81.0



#41
 Tetrahydrofuran
 Concen: 0.183 ppbv
 RT: 6.17 min Scan# 1005
 Delta R.T. 0.02 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

Tgt Ion: 42 Resp: 10117
 Ion Ratio Lower Upper
 42 100
 72 61.3 30.2 45.2#
 71 0.0 29.4 44.2#





#42

Bromodichloromethane

Concen: 0.352 ppbv

RT: 7.91 min Scan# 1546

Delta R.T. -0.01 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2019

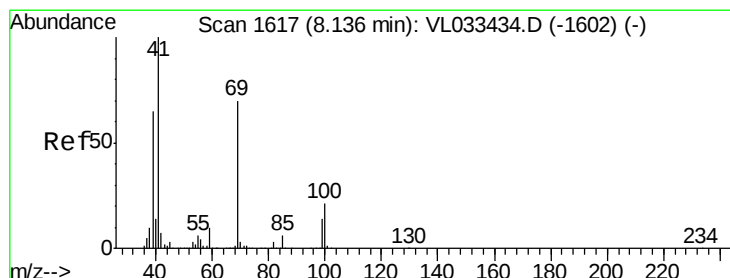
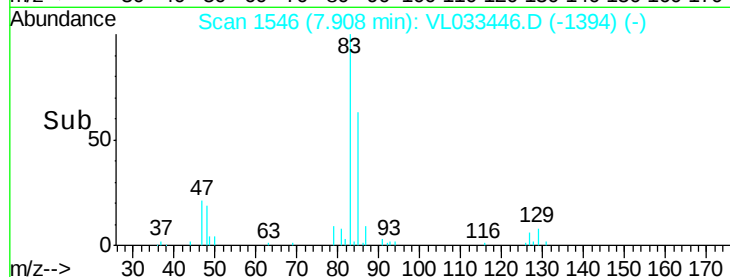
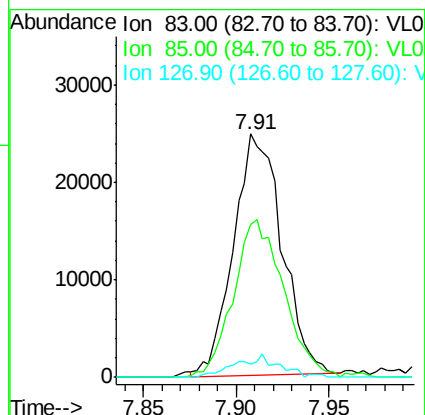
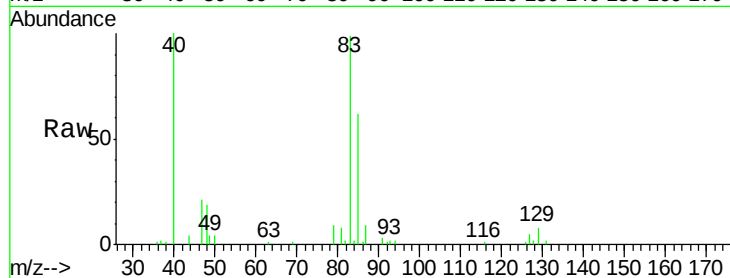
Tgt Ion: 83 Resp: 45219

Ion Ratio Lower Upper

83 100

85 63.5 50.7 76.1

127 5.6 6.6 9.8#



#43

Methyl Methacrylate

Concen: 0.074 ppbv

RT: 8.13 min Scan# 1614

Delta R.T. -0.01 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

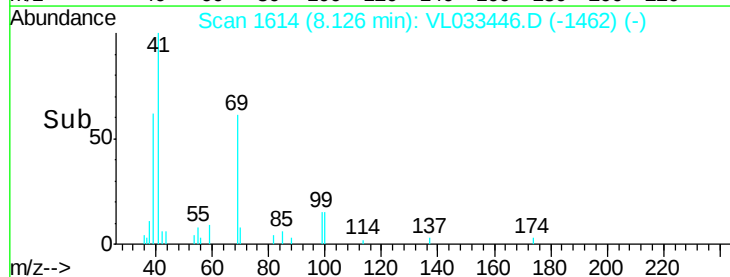
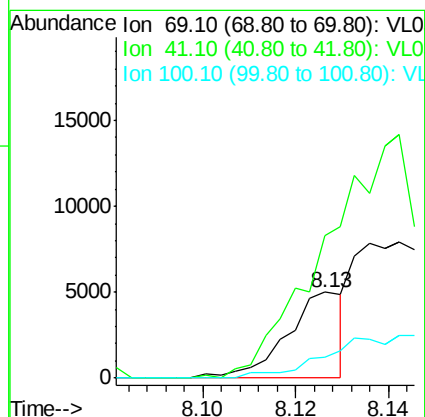
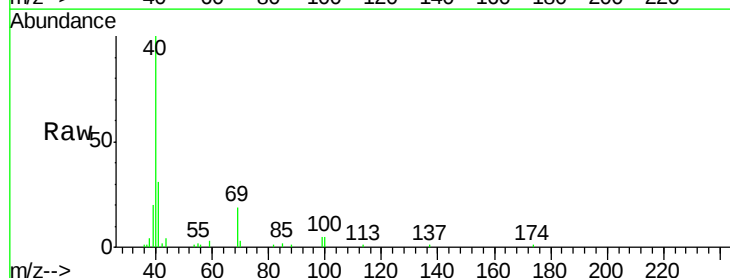
Tgt Ion: 69 Resp: 4230

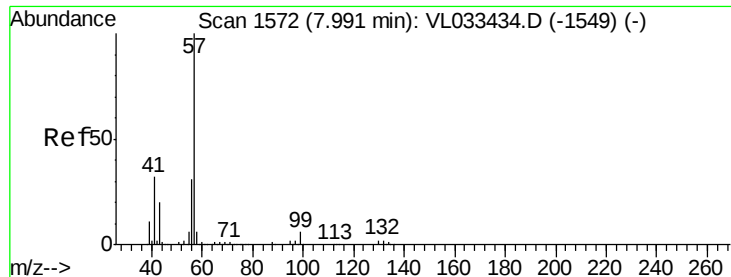
Ion Ratio Lower Upper

69 100

41 0.0 116.6 174.8#

100 0.0 24.4 36.6#

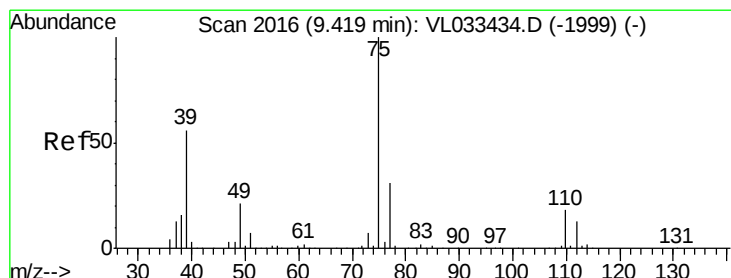
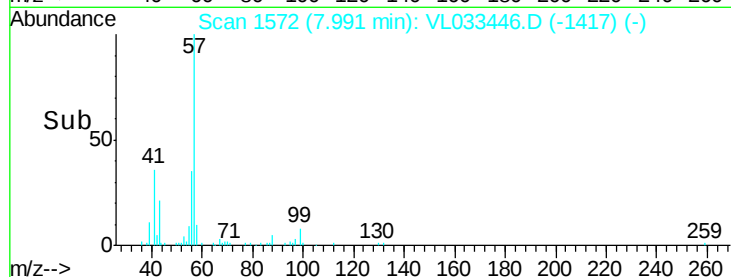
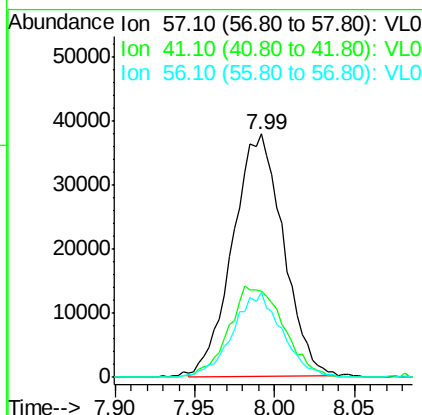
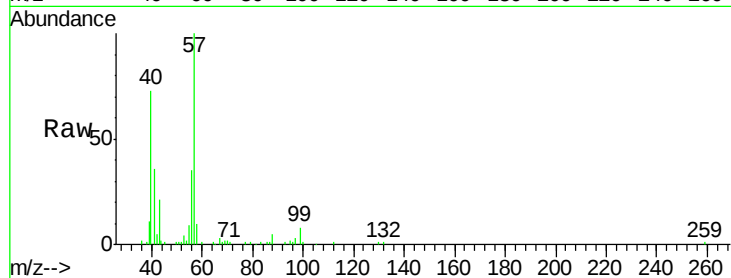




#44
 2,2,4-Trimethylpentane
 Concen: 0.333 ppbv
 RT: 7.99 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

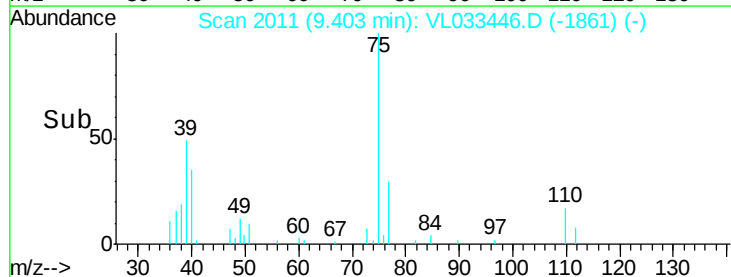
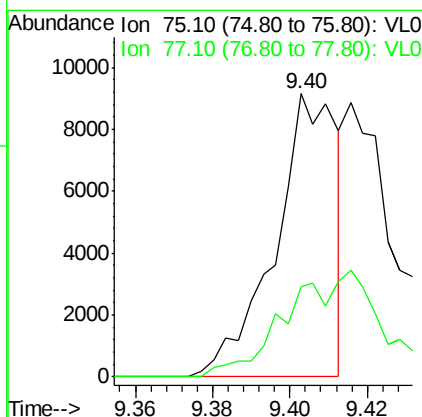
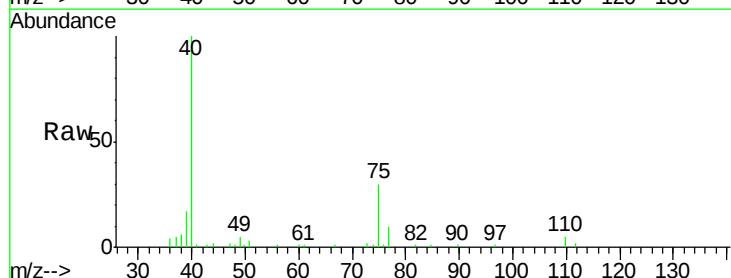
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2019

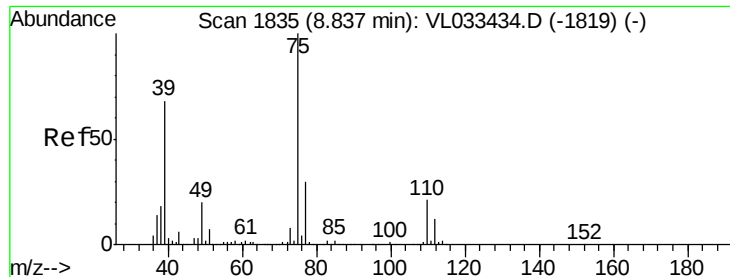
Tgt Ion: 57 Resp: 81770
 Ion Ratio Lower Upper
 57 100
 41 40.4 26.0 39.0#
 56 34.2 24.6 37.0



#45
 t-1,3-Dichloropropene
 Concen: 0.145 ppbv
 RT: 9.40 min Scan# 2011
 Delta R.T. -0.02 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

Tgt Ion: 75 Resp: 10177
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.5 36.7

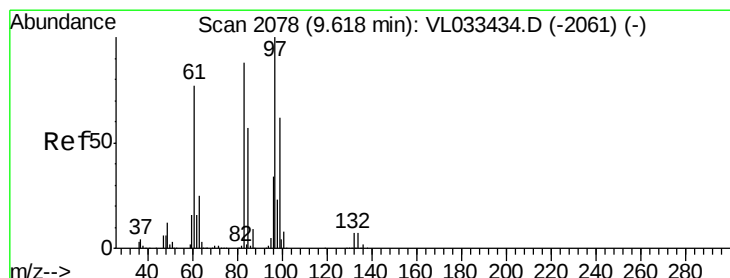
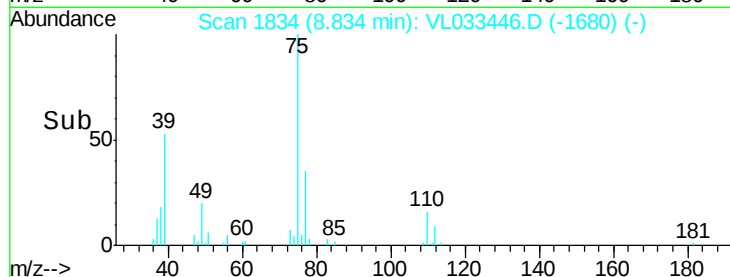
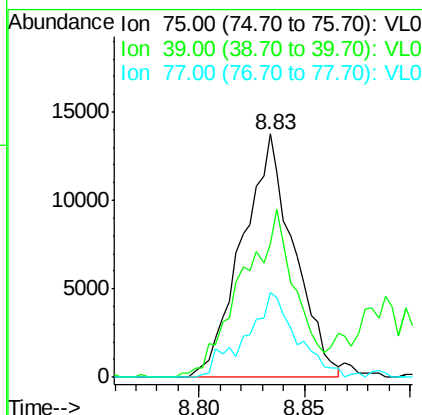
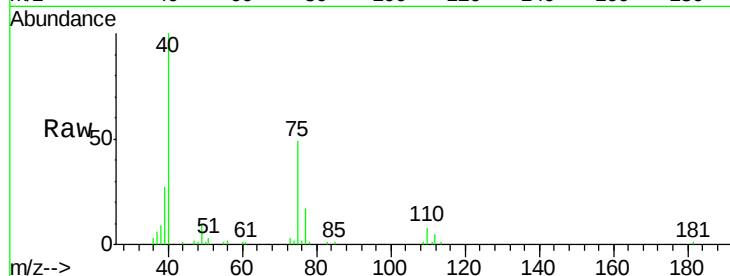




#46
 cis-1,3-Dichloropropene
 Concen: 0.287 ppbv
 RT: 8.83 min Scan# 1834
 Delta R.T. -0.00 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

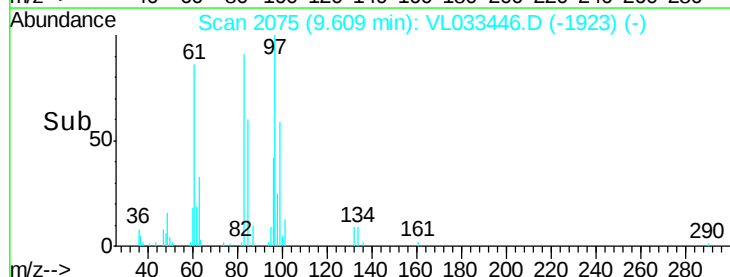
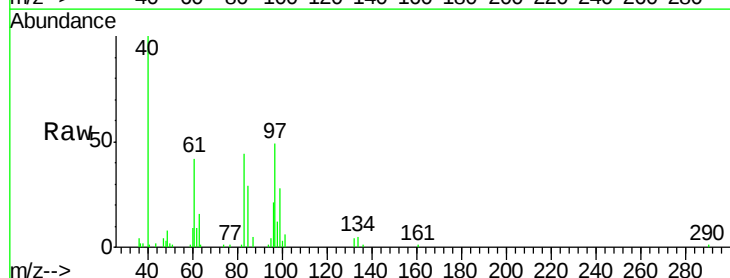
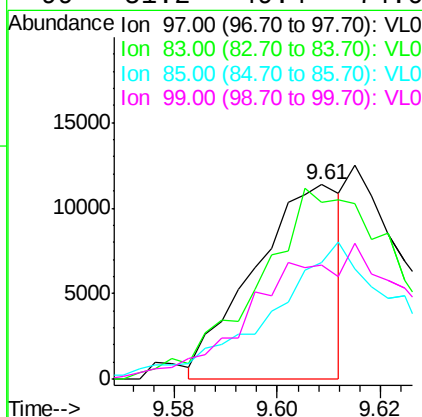
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2019

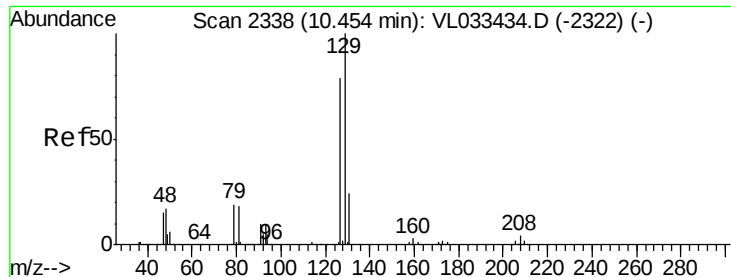
Tgt Ion: 75 Resp: 23497
 Ion Ratio Lower Upper
 75 100
 39 53.1 54.1 81.1#
 77 35.1 23.9 35.9



#47
 1,1,2-Trichloroethane
 Concen: 0.212 ppbv
 RT: 9.61 min Scan# 2075
 Delta R.T. -0.01 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

Tgt Ion: 97 Resp: 13251
 Ion Ratio Lower Upper
 97 100
 83 88.3 70.5 105.7
 85 55.6 45.6 68.4
 99 51.2 49.4 74.0

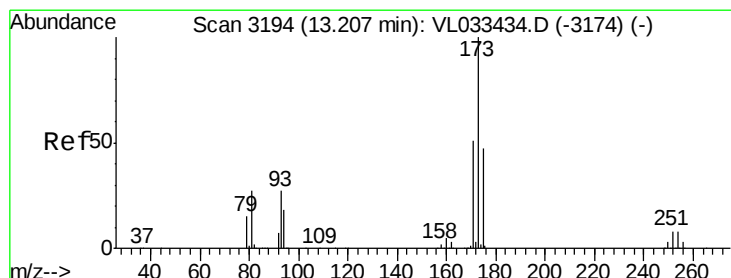
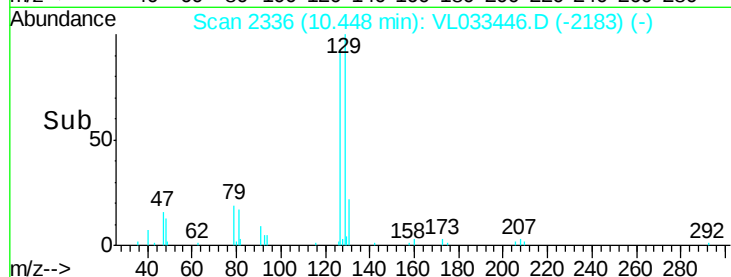
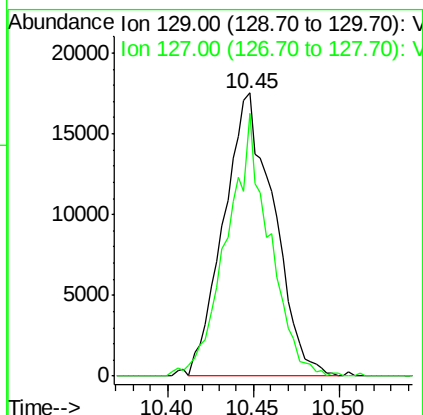
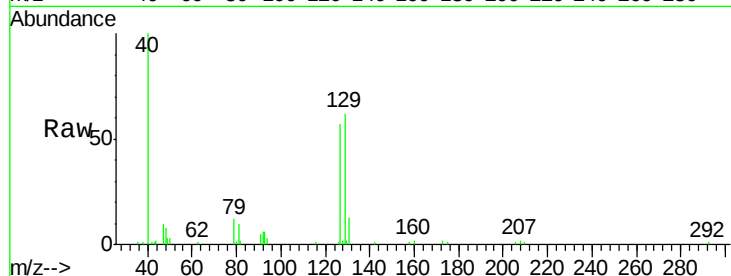




#48
 Dibromochloromethane
 Concen: 0.337 ppbv
 RT: 10.45 min Scan# 2336
 Delta R.T. -0.01 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

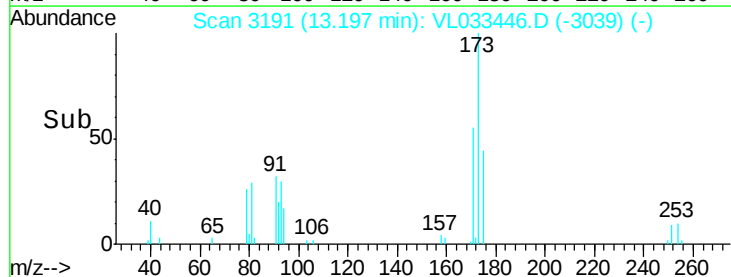
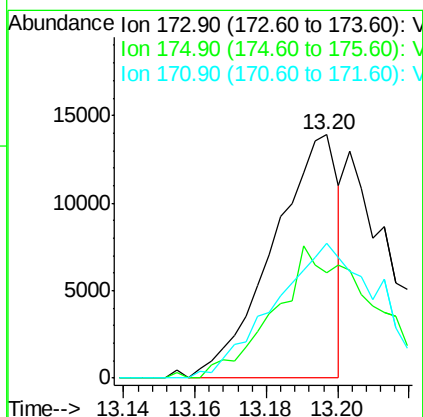
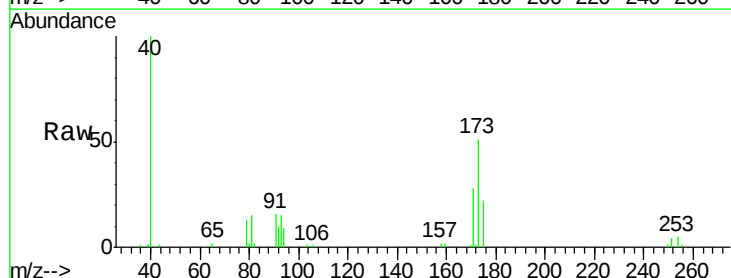
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2019

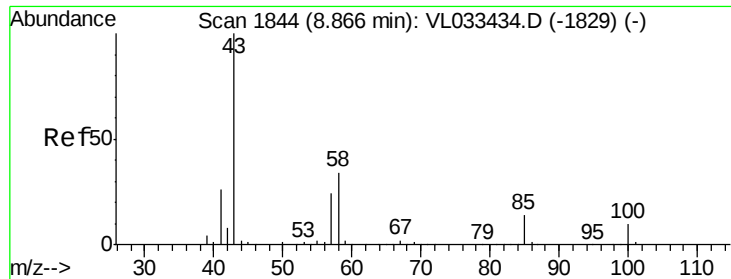
Tgt Ion:129 Resp: 35556
 Ion Ratio Lower Upper
 129 100
 127 78.3 39.1 117.2



#49
 Bromoform
 Concen: 0.174 ppbv
 RT: 13.20 min Scan# 3191
 Delta R.T. -0.01 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

Tgt Ion:173 Resp: 17546
 Ion Ratio Lower Upper
 173 100
 175 82.8 39.3 58.9#
 171 90.5 41.2 61.8#

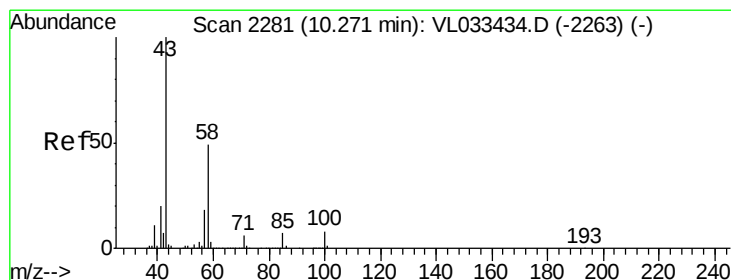
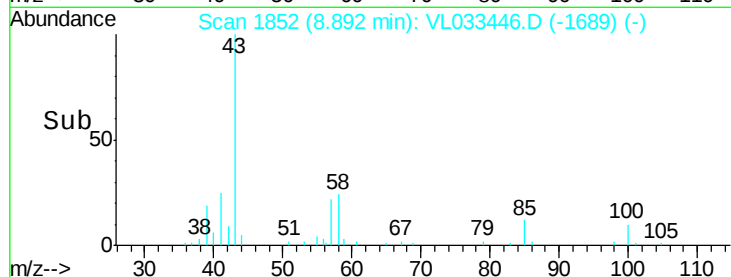
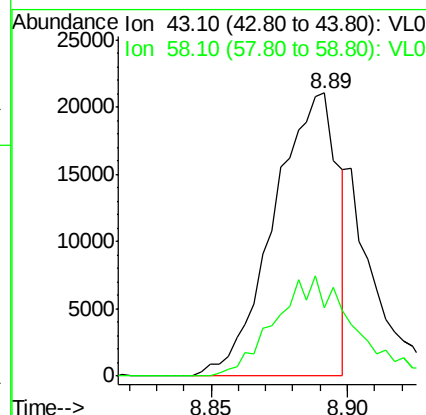
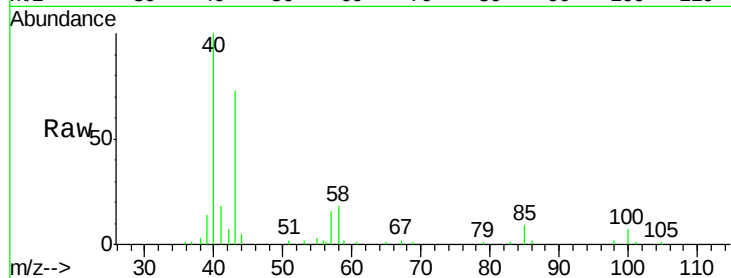




#50
4-Methyl-2-Pentanone
Concen: 0.232 ppbv
RT: 8.89 min Scan# 1852
Delta R.T. 0.03 min
Lab File: VL033446.D
Acq: 25 Mar 2019 21:28

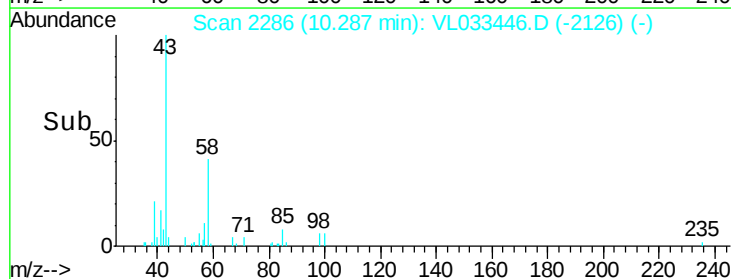
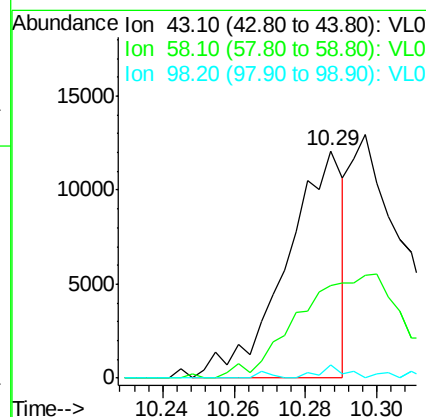
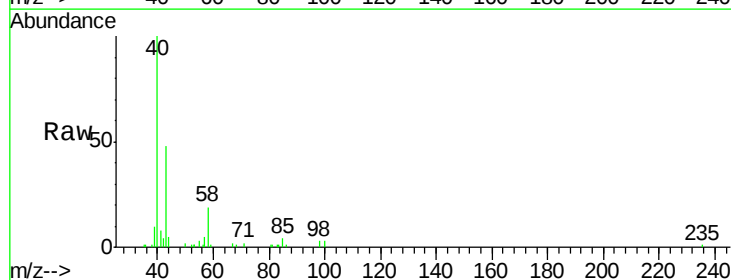
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2019

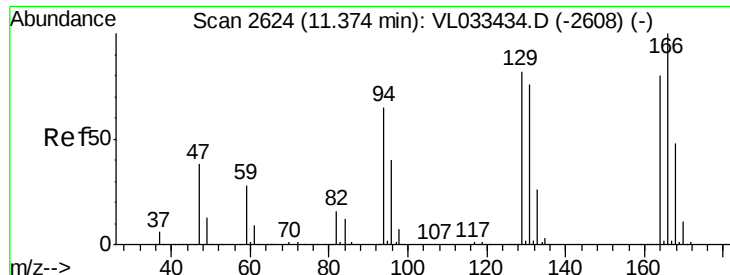
Tgt Ion: 43 Resp: 34266
Ion Ratio Lower Upper
43 100
58 43.4 28.0 42.0#



#51
2-Hexanone
Concen: 0.122 ppbv
RT: 10.29 min Scan# 2286
Delta R.T. 0.02 min
Lab File: VL033446.D
Acq: 25 Mar 2019 21:28

Tgt Ion: 43 Resp: 13471
Ion Ratio Lower Upper
43 100
58 0.0 38.2 57.2#
98 4.7 0.2 0.2#

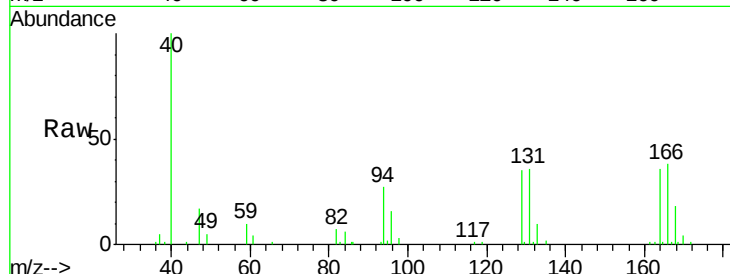




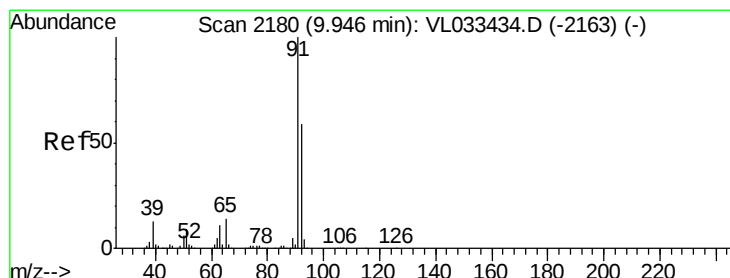
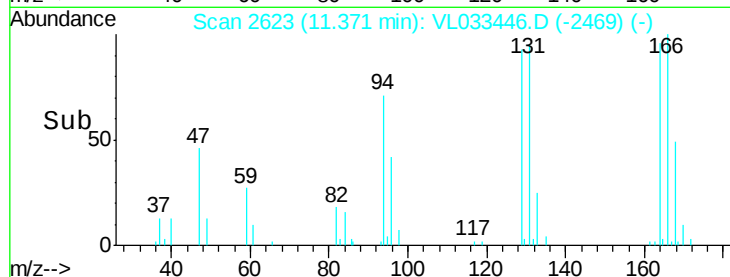
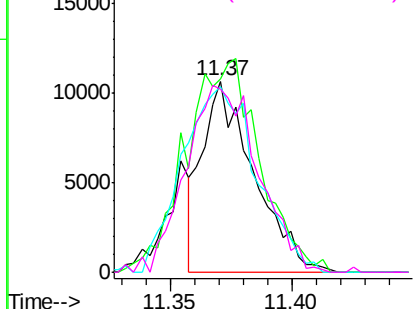
#52
Tetrachloroethene
Concen: 0.293 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033446.D
Acq: 25 Mar 2019 21:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2019

Tgt Ion:164 Resp: 15557
Ion Ratio Lower Upper
164 100
166 101.1 99.5 149.3
129 97.2 81.4 122.2
131 98.2 75.6 113.4

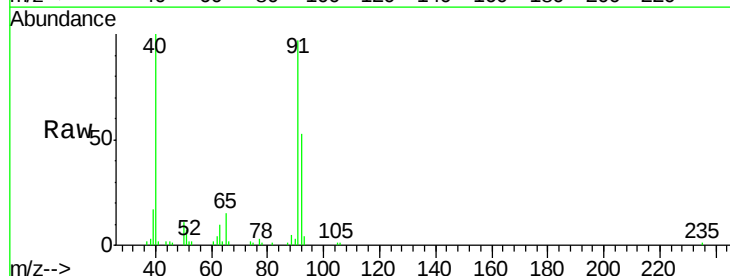


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V

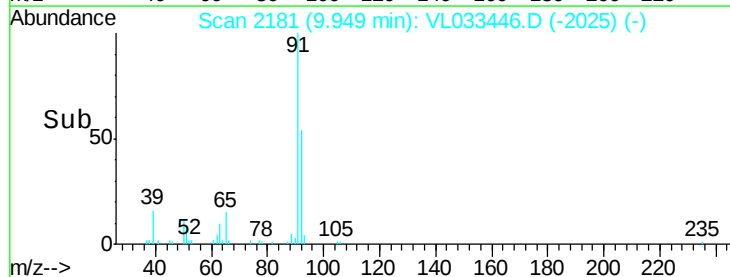
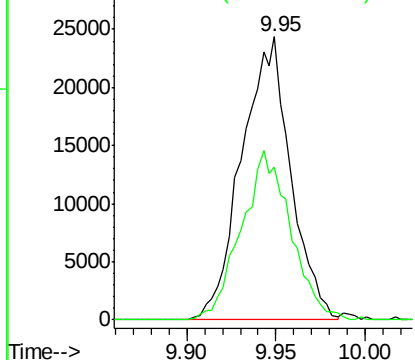


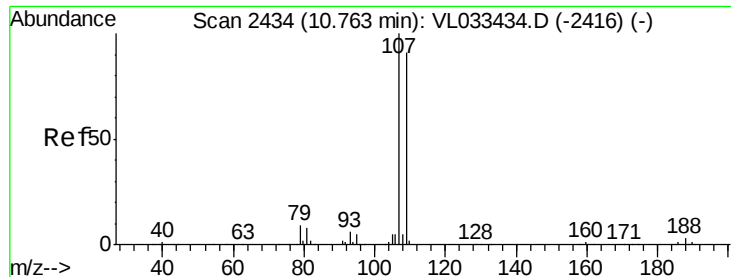
#53
Toluene
Concen: 0.285 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. 0.00 min
Lab File: VL033446.D
Acq: 25 Mar 2019 21:28

Tgt Ion: 91 Resp: 46645
Ion Ratio Lower Upper
91 100
92 60.5 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0





#54

1,2-Dibromoethane

Concen: 0.192 ppbv

RT: 10.75 min Scan# 2430

Delta R.T. -0.01 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_L

ClientSampleId :

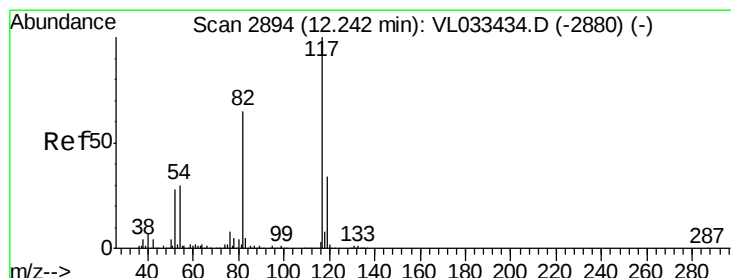
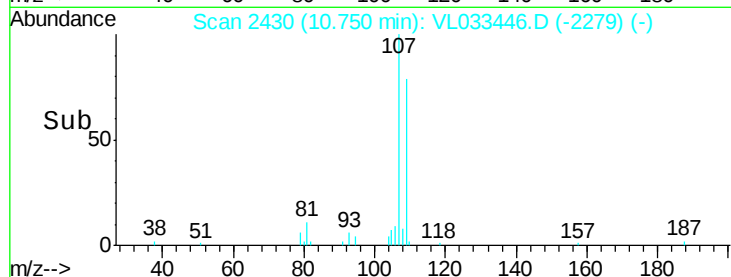
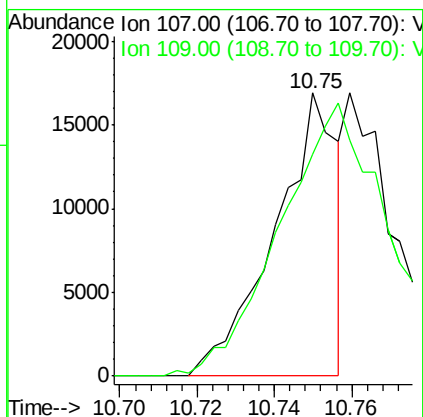
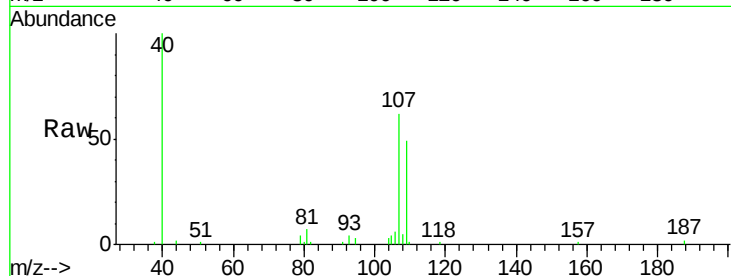
LOD-MDL-AIR-01-QT1-2019

Tgt Ion:107 Resp: 18820

Ion Ratio Lower Upper

107 100

109 79.5 72.7 109.1



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. -0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

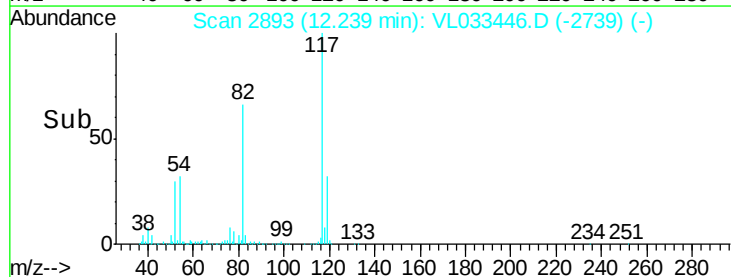
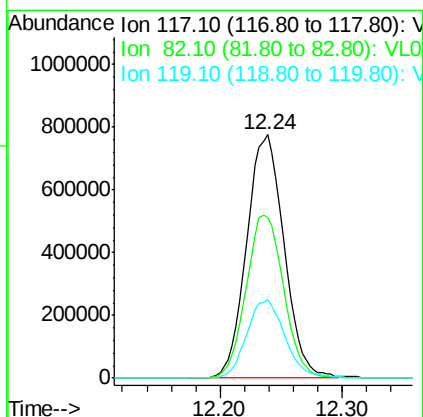
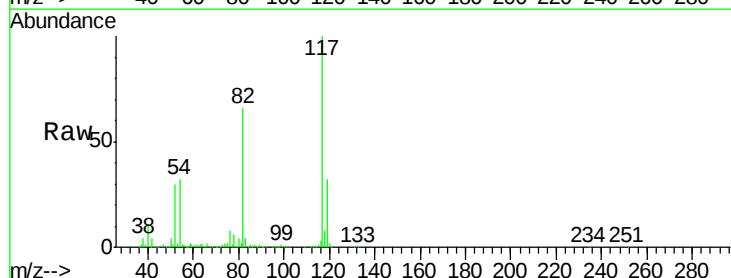
Tgt Ion:117 Resp: 1643043

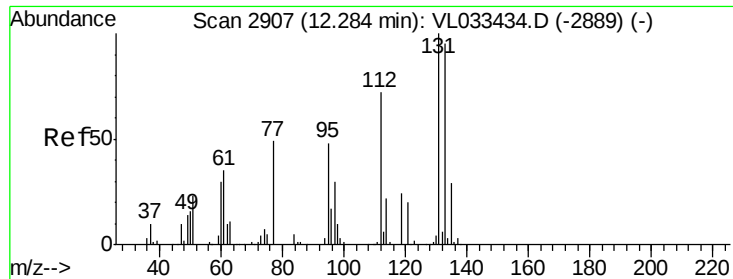
Ion Ratio Lower Upper

117 100

82 67.2 51.5 77.3

119 33.0 25.5 38.3

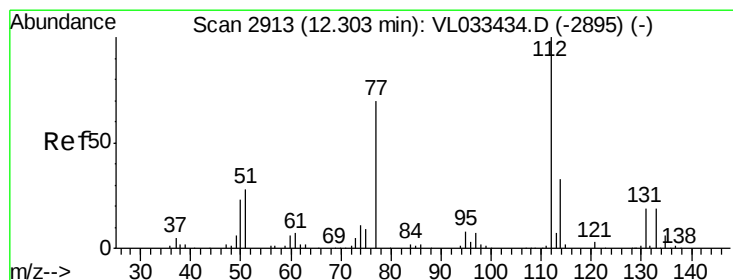
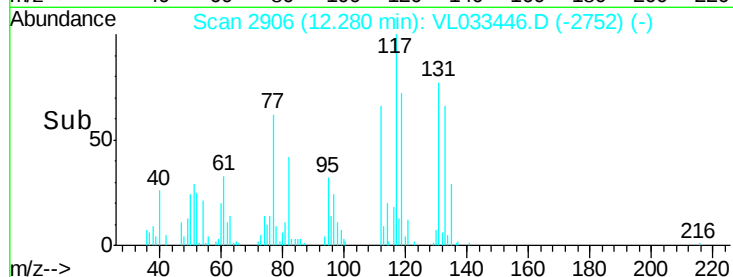
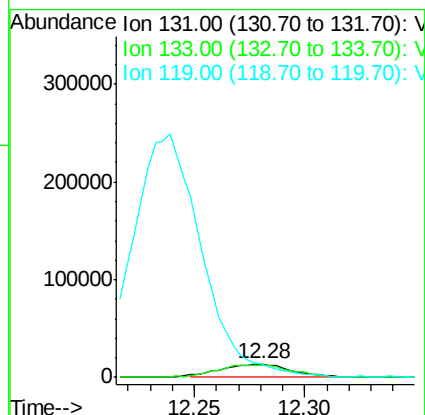
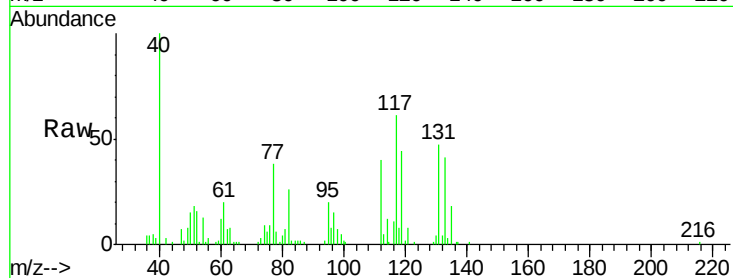




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.391 ppbv
 RT: 12.28 min Scan# 2906
 Delta R.T. -0.00 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

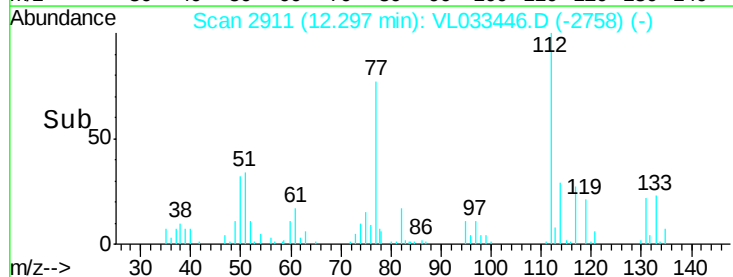
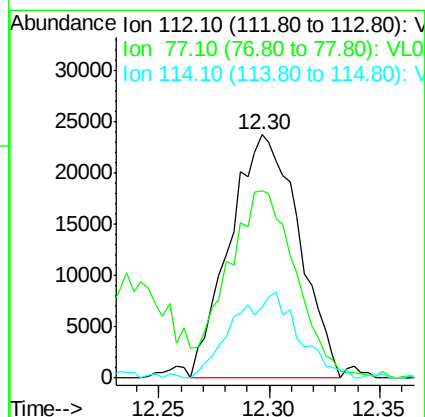
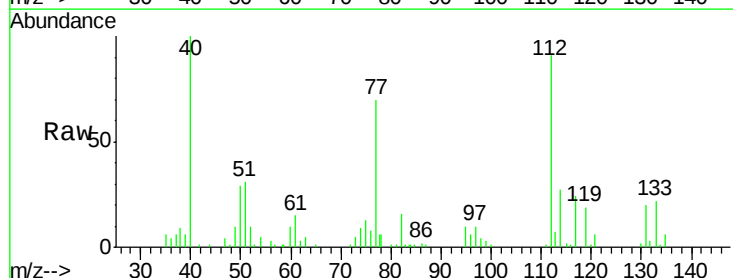
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2019

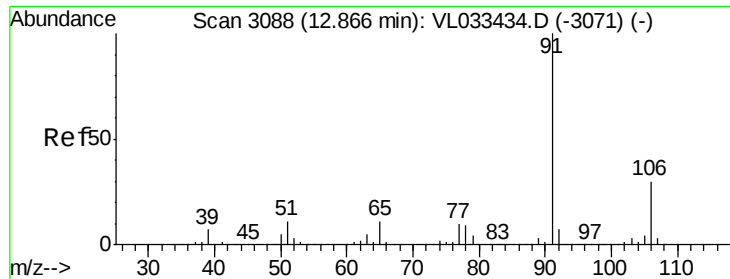
Tgt Ion:131 Resp: 29445
 Ion Ratio Lower Upper
 131 100
 133 100.6 76.2 114.4
 119 1849.4 45.0 67.6#



#57
 Chlorobenzene
 Concen: 0.405 ppbv
 RT: 12.30 min Scan# 2911
 Delta R.T. -0.01 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

Tgt Ion:112 Resp: 51628
 Ion Ratio Lower Upper
 112 100
 77 74.6 57.3 85.9
 114 27.0 29.8 36.4#





#58

Ethyl Benzene

Concen: 0.304 ppbv

RT: 12.86 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_L

ClientSampleId :

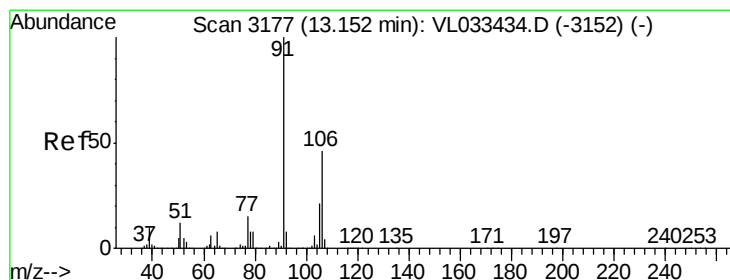
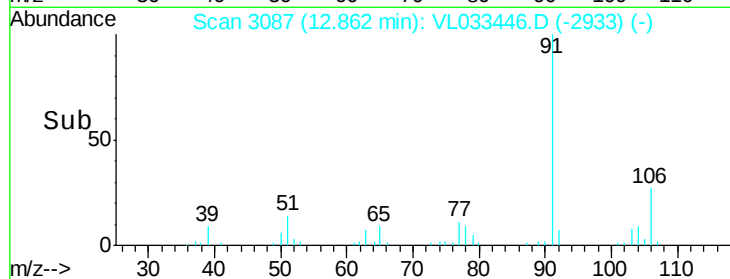
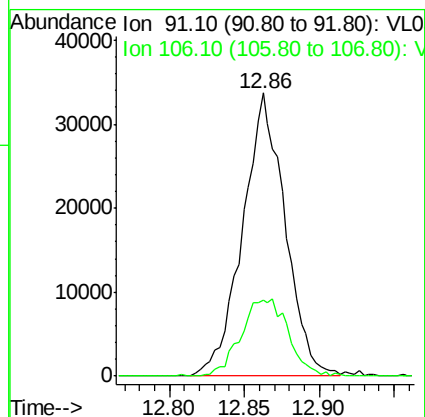
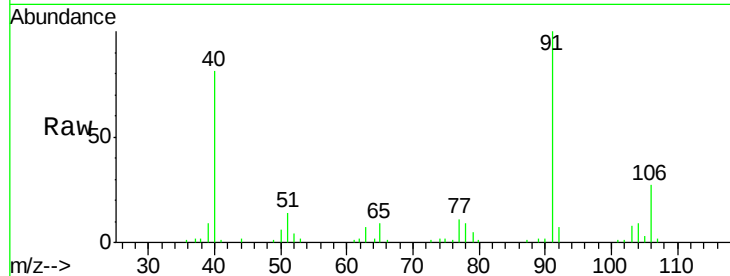
LOD-MDL-AIR-01-QT1-2019

Tgt Ion: 91 Resp: 66598

Ion Ratio Lower Upper

91 100

106 27.0 23.8 35.6



#59

m/p-Xylene

Concen: 0.256 ppbv

RT: 13.15 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VL033446.D

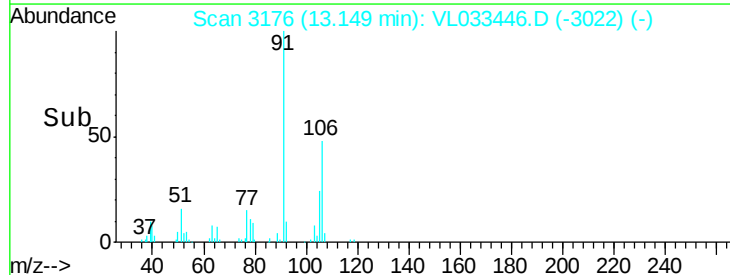
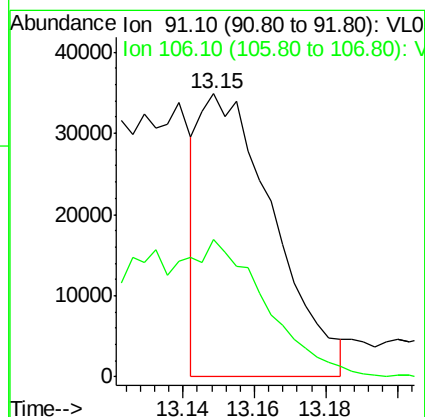
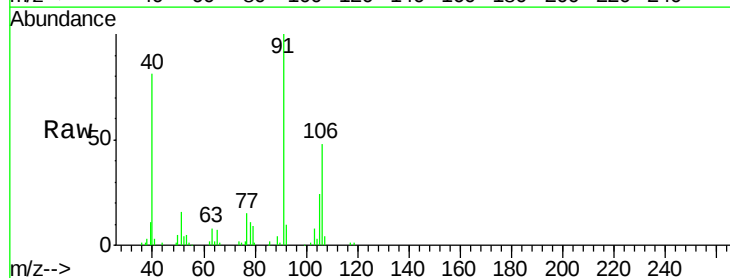
Acq: 25 Mar 2019 21:28

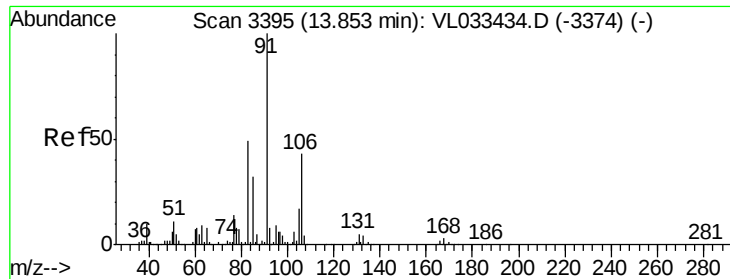
Tgt Ion: 91 Resp: 50135

Ion Ratio Lower Upper

91 100

106 111.0 0.0 0.0#

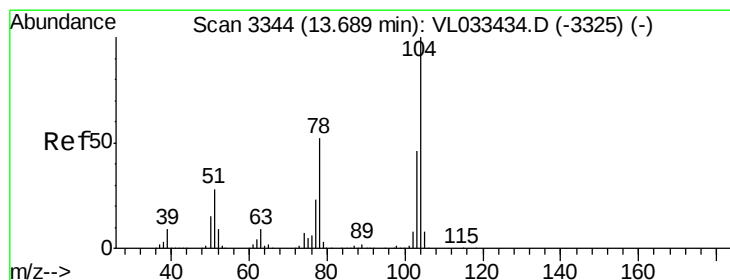
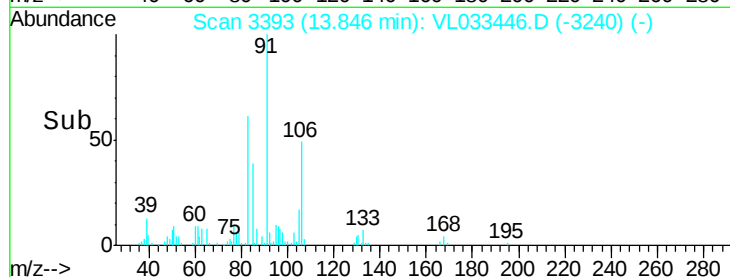
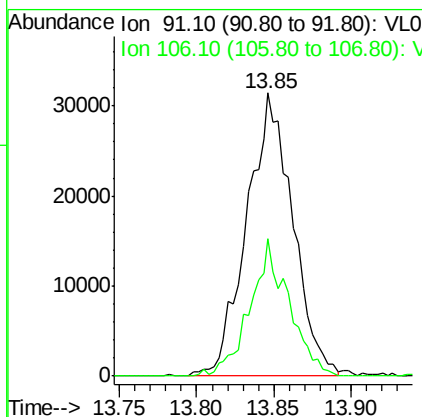
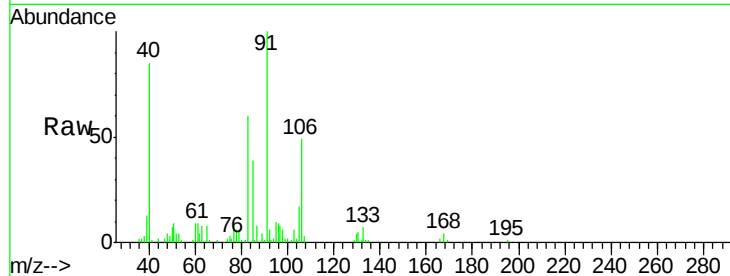




#60
o-Xylene
Concen: 0.343 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL033446.D
Acq: 25 Mar 2019 21:28

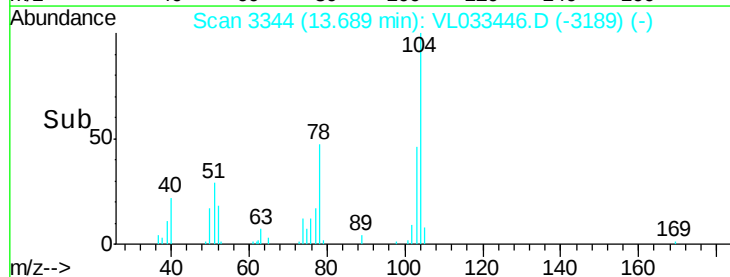
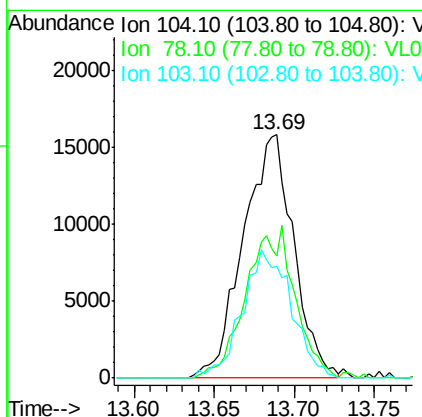
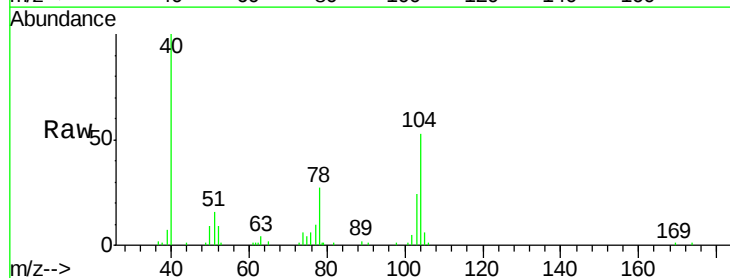
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2019

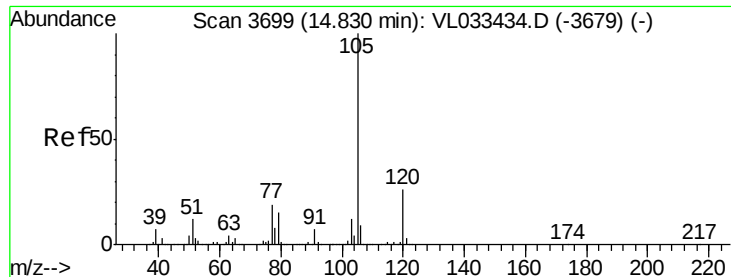
Tgt Ion: 91 Resp: 64948
Ion Ratio Lower Upper
91 100
106 41.0 21.4 64.3



#61
Styrene
Concen: 0.263 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033446.D
Acq: 25 Mar 2019 21:28

Tgt Ion: 104 Resp: 34227
Ion Ratio Lower Upper
104 100
78 60.7 43.2 64.8
103 51.1 37.8 56.8





#62

Isopropylbenzene

Concen: 0.340 ppbv

RT: 14.83 min Scan# 3698

Delta R.T. -0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_L

ClientSampleId :

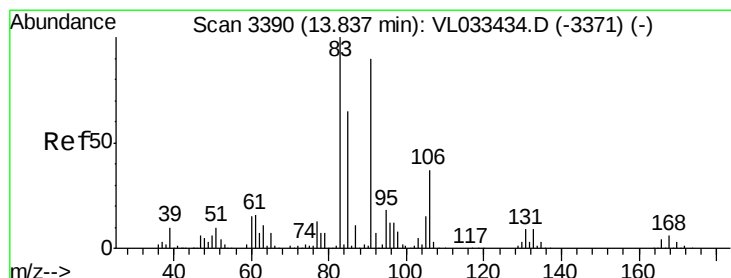
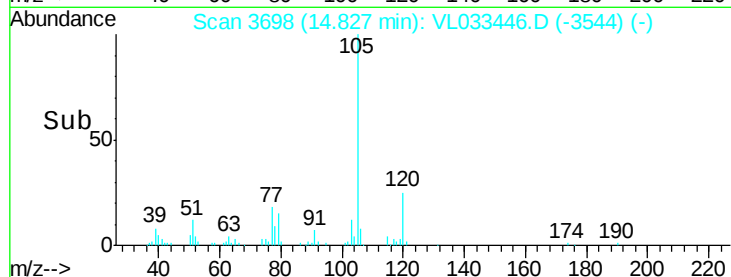
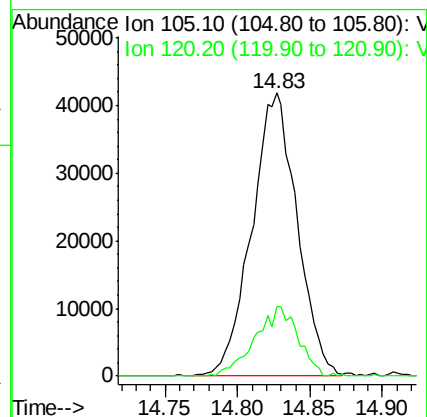
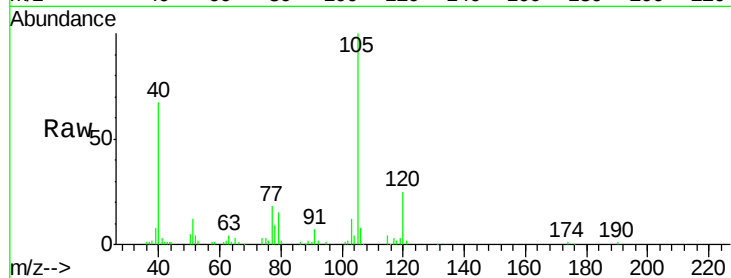
LOD-MDL-AIR-01-QT1-2019

Tgt Ion: 105 Resp: 91196

Ion Ratio Lower Upper

105 100

120 23.3 20.2 30.2



#63

1,1,2,2-Tetrachloroethane

Concen: 0.414 ppbv

RT: 13.84 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

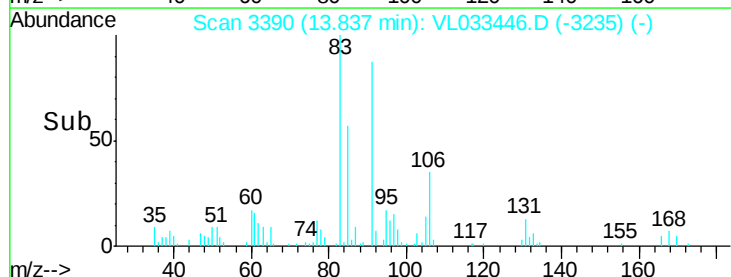
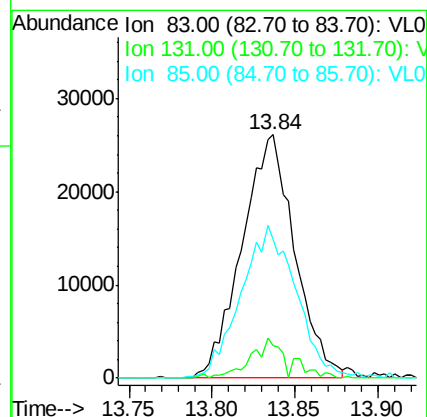
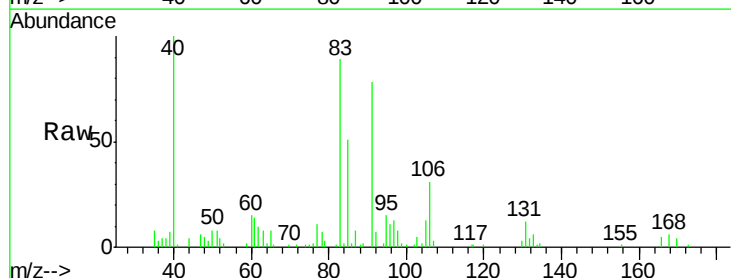
Tgt Ion: 83 Resp: 57757

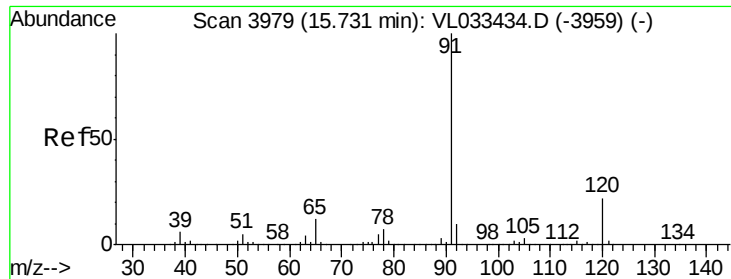
Ion Ratio Lower Upper

83 100

131 11.8 4.7 14.0

85 66.0 32.7 98.1





#64

n-propylbenzene

Concen: 0.156 ppbv

RT: 15.72 min Scan# 3977

Delta R.T. -0.01 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_L

ClientSampleId :

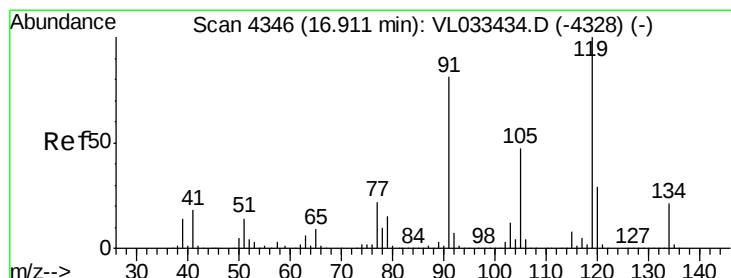
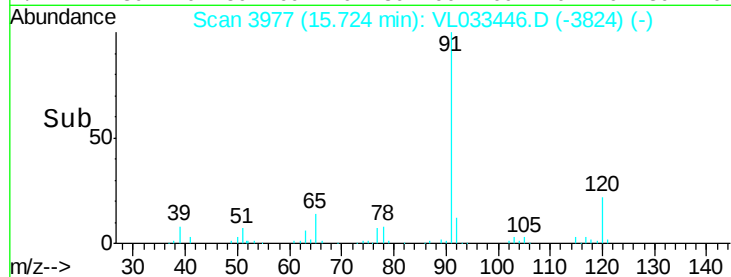
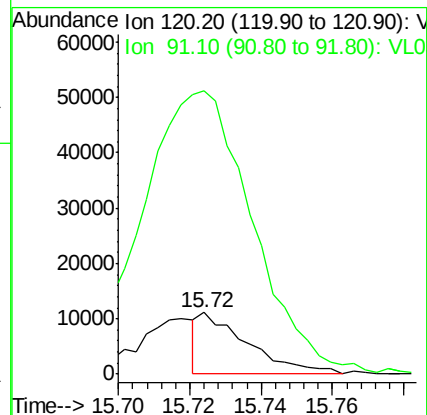
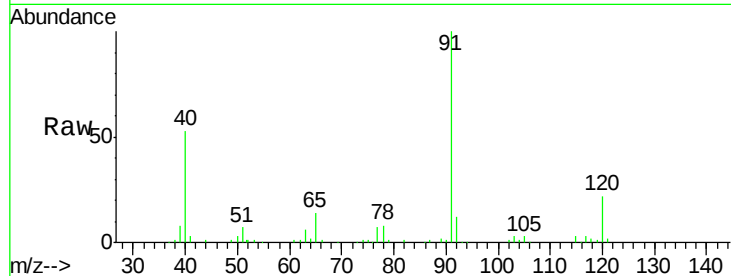
LOD-MDL-AIR-01-QT1-2019

Tgt Ion:120 Resp: 10613

Ion Ratio Lower Upper

120 100

91 1059.8 387.4 581.2#



#65

tert-Butylbenzene

Concen: 0.316 ppbv

RT: 16.91 min Scan# 4347

Delta R.T. 0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

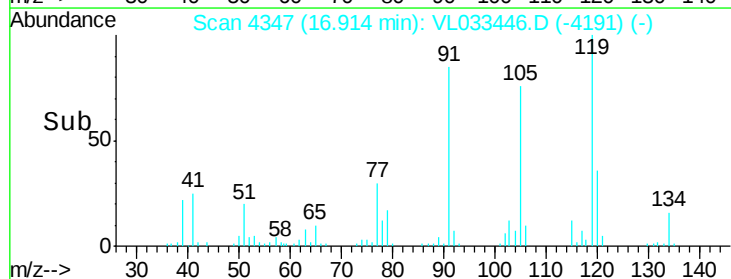
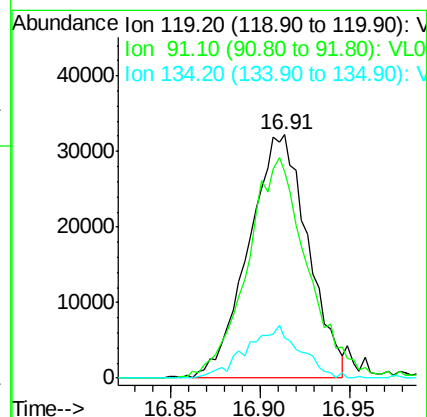
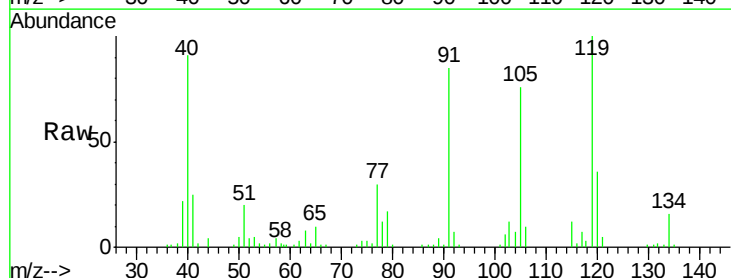
Tgt Ion:119 Resp: 74734

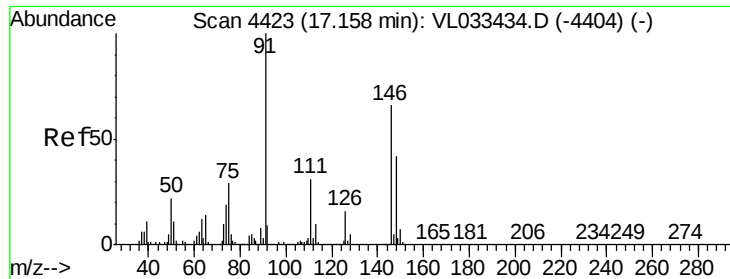
Ion Ratio Lower Upper

119 100

91 92.2 66.4 99.6

134 19.7 15.5 23.3

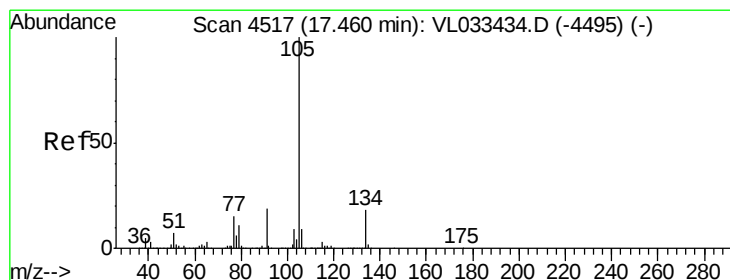
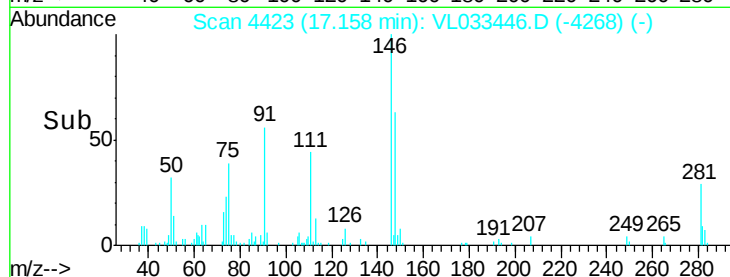
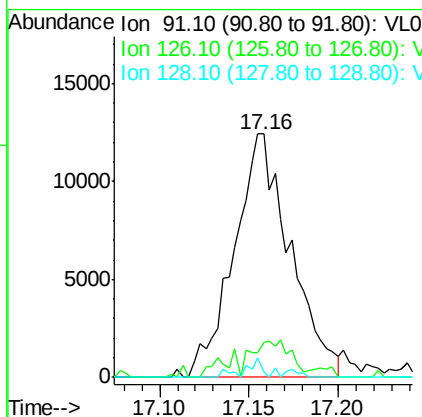
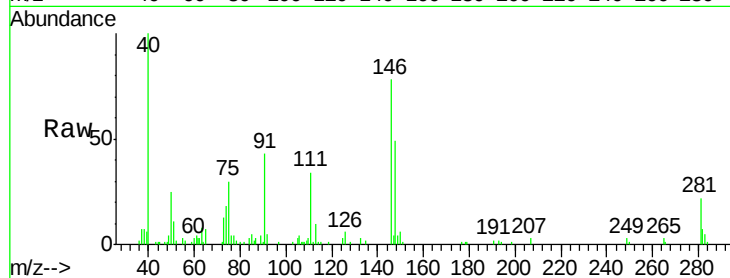




#66
Benzyl Chloride
Concen: 0.248 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.00 min
Lab File: VL033446.D
Acq: 25 Mar 2019 21:28

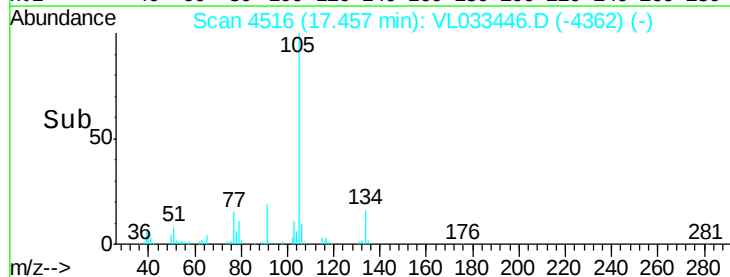
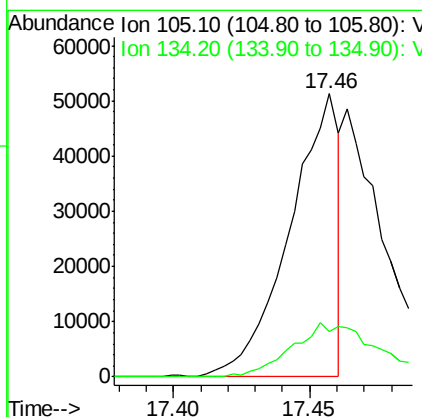
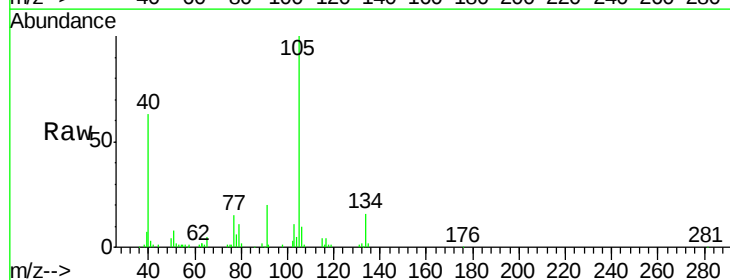
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2019

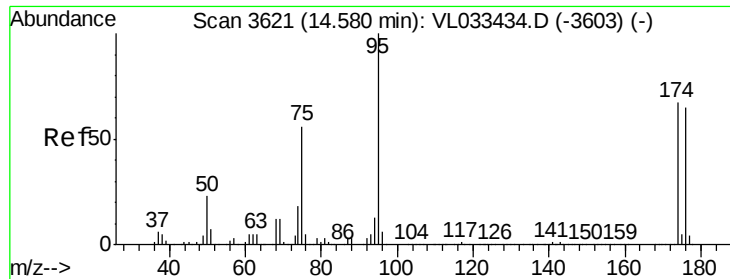
Tgt Ion: 91 Resp: 27222
Ion Ratio Lower Upper
91 100
126 15.9 13.0 19.6
128 3.4 4.2 6.2#



#67
sec-Butylbenzene
Concen: 0.191 ppbv
RT: 17.46 min Scan# 4516
Delta R.T. -0.00 min
Lab File: VL033446.D
Acq: 25 Mar 2019 21:28

Tgt Ion: 105 Resp: 64176
Ion Ratio Lower Upper
105 100
134 32.3 14.6 21.8#

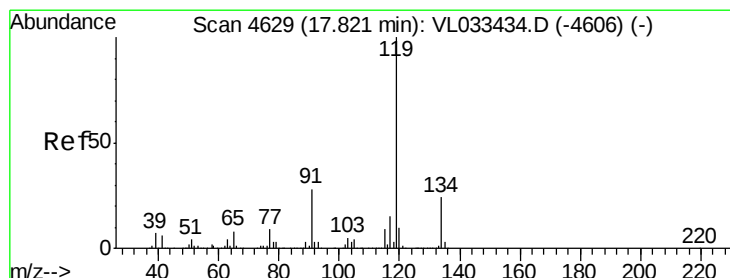
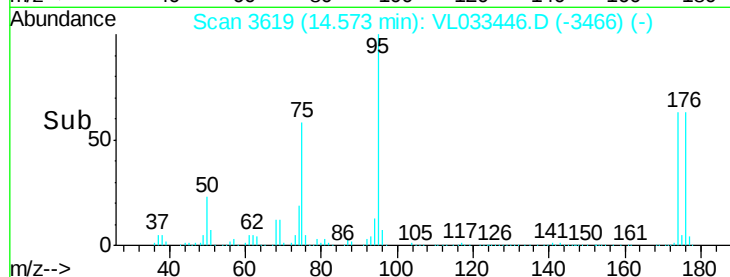
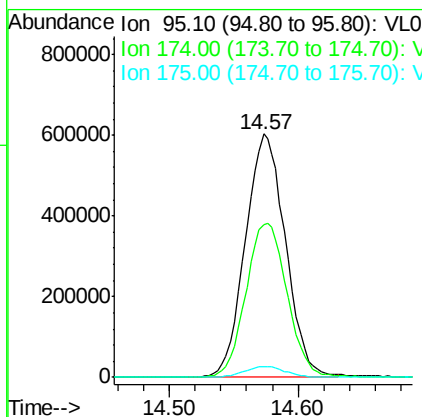
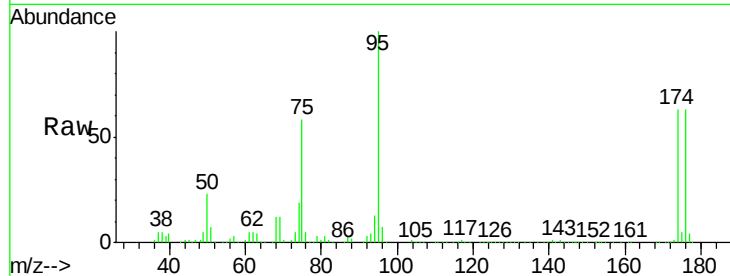




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.152 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.01 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

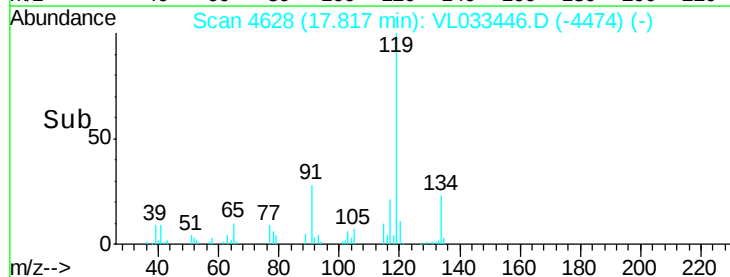
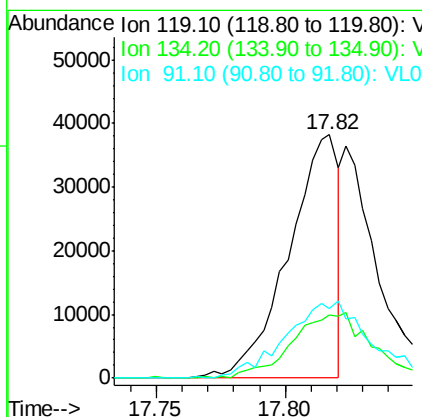
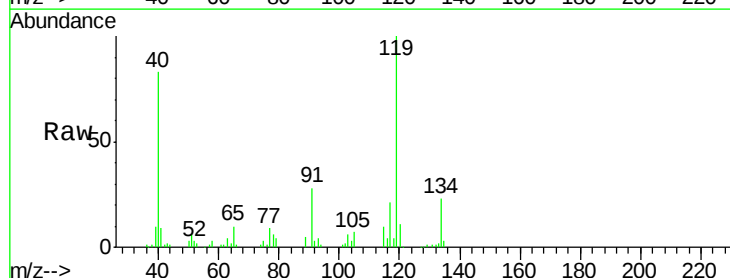
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2019

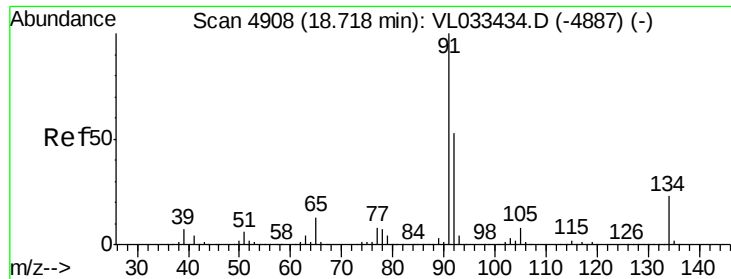
Tgt Ion: 95 Resp: 1307627
 Ion Ratio Lower Upper
 95 100
 174 65.3 52.9 79.3
 175 4.6 3.8 5.6



#69
 p-Isopropyltoluene
 Concen: 0.188 ppbv
 RT: 17.82 min Scan# 4628
 Delta R.T. -0.00 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

Tgt Ion: 119 Resp: 51454
 Ion Ratio Lower Upper
 119 100
 134 0.0 19.9 29.9#
 91 0.0 23.4 35.0#

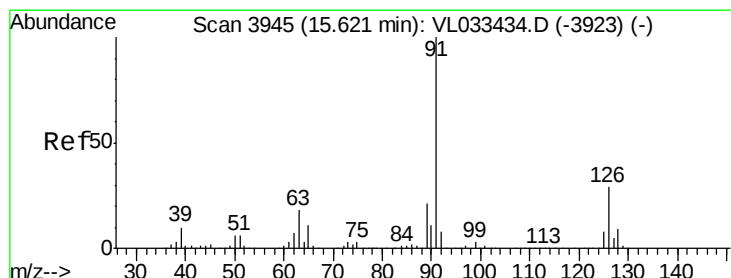
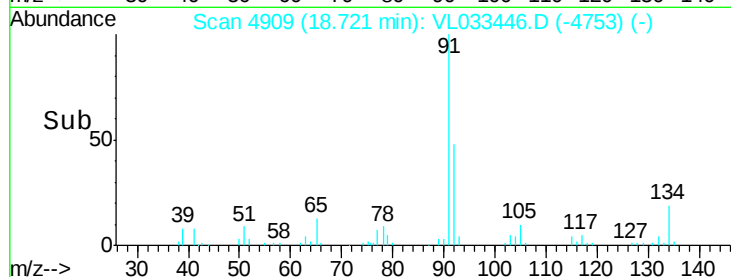
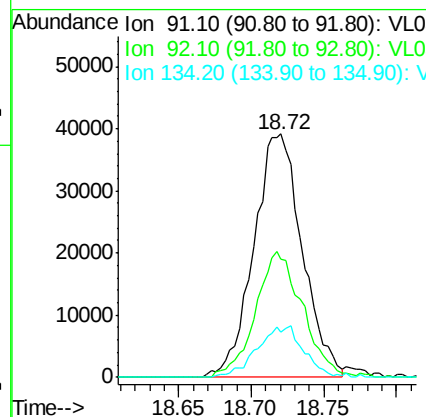
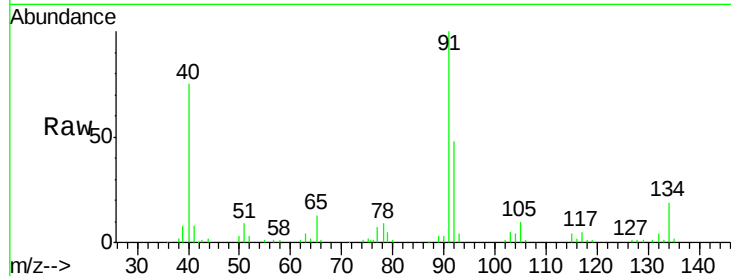




#70
n-Butylbenzene
Concen: 0.314 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. 0.00 min
Lab File: VL033446.D
Acq: 25 Mar 2019 21:28

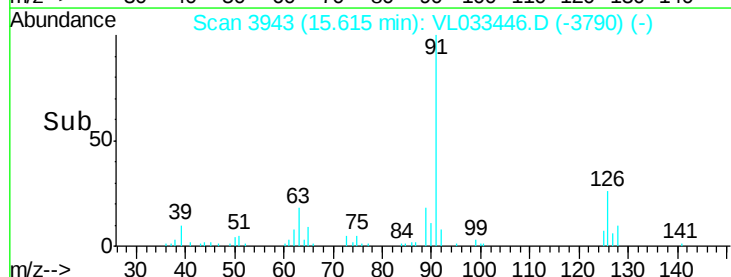
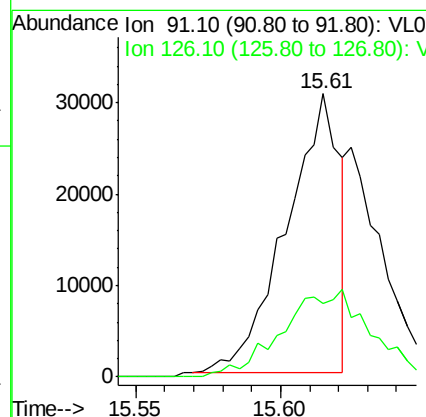
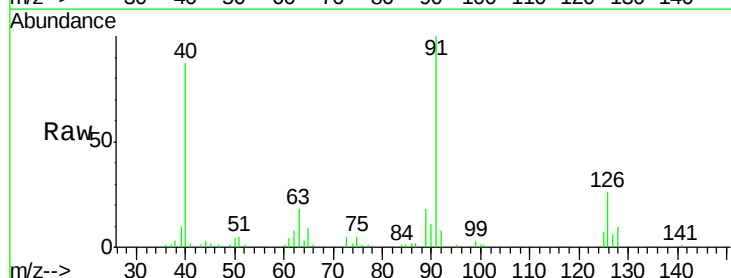
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2019

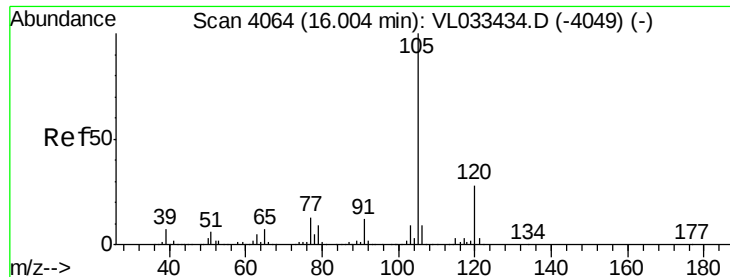
Tgt Ion: 91 Resp: 90979
Ion Ratio Lower Upper
91 100
92 50.4 42.6 64.0
134 20.4 17.5 26.3



#71
2-Chlorotoluene
Concen: 0.190 ppbv
RT: 15.61 min Scan# 3943
Delta R.T. -0.01 min
Lab File: VL033446.D
Acq: 25 Mar 2019 21:28

Tgt Ion: 91 Resp: 38831
Ion Ratio Lower Upper
91 100
126 0.0 11.7 46.9#





#72

4-Ethyltoluene

Concen: 0.164 ppbv

RT: 16.00 min Scan# 4062

Delta R.T. -0.01 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

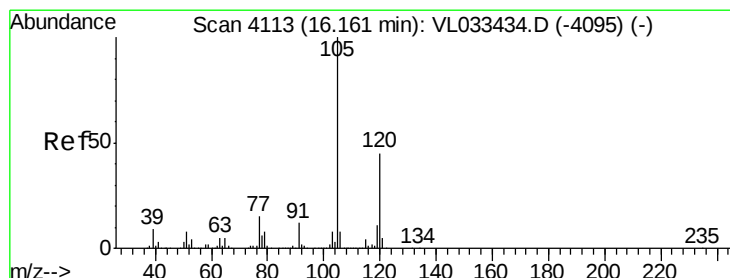
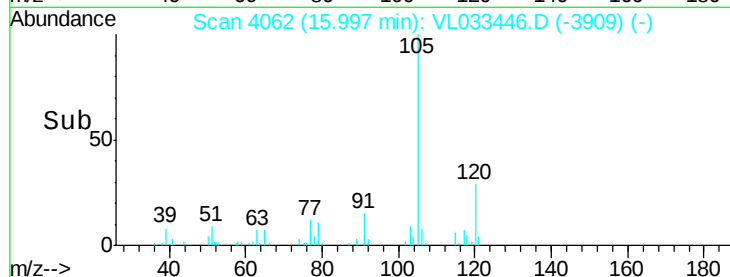
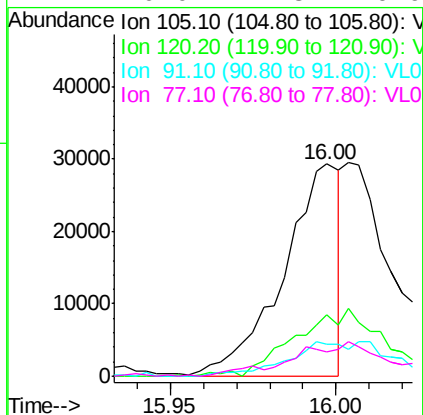
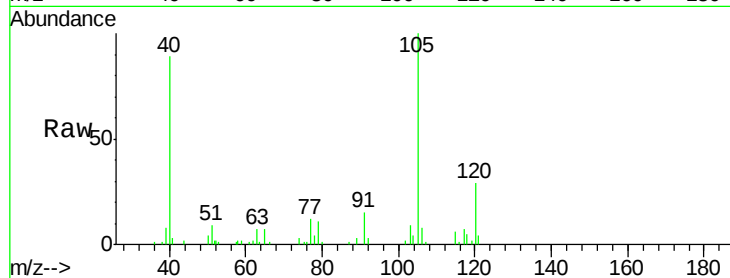
Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2019

Tgt Ion:	105	Resp:	34931
Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.2	34.8#
91	0.0	10.4	15.6#
77	0.0	11.3	16.9#



#73

1,3,5-Trimethylbenzene

Concen: 0.313 ppbv

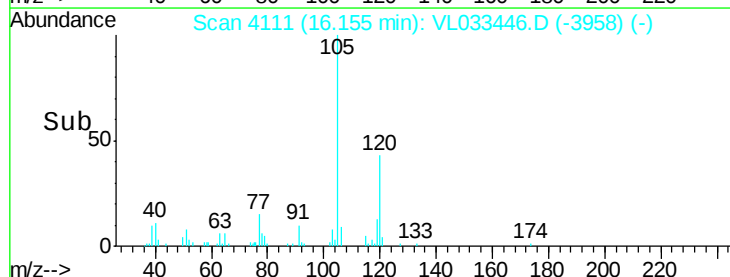
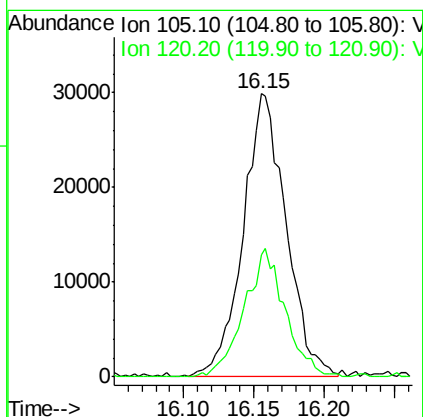
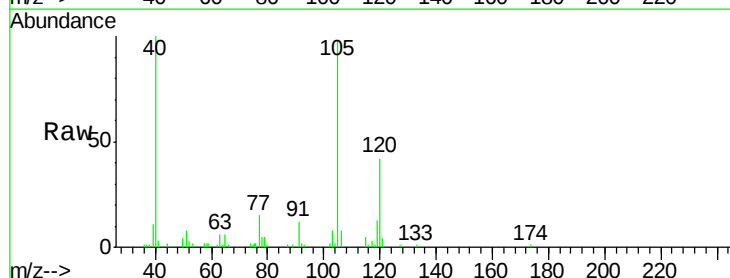
RT: 16.15 min Scan# 4111

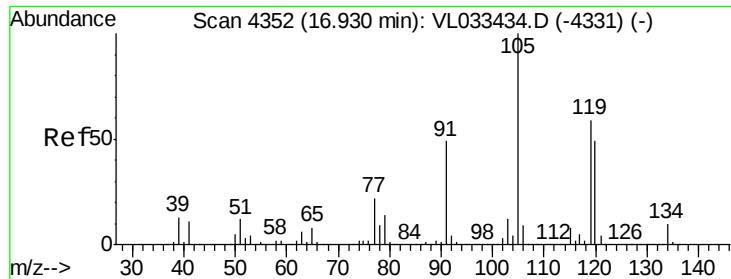
Delta R.T. -0.01 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Tgt Ion:	105	Resp:	63813
Ion	Ratio	Lower	Upper
105	100		
120	43.2	35.7	53.5





#74

1,2,4-Trimethylbenzene

Concen: 0.335 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

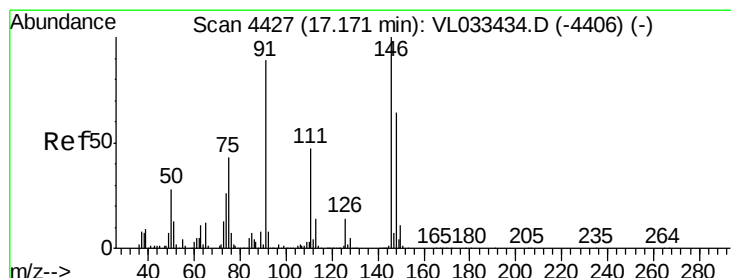
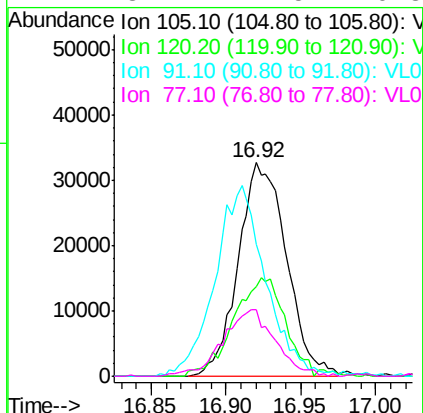
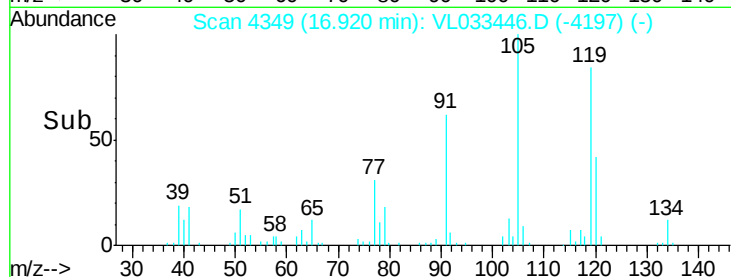
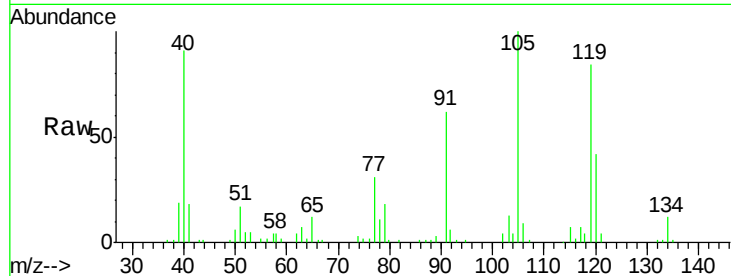
Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2019

Tgt Ion:	105	Resp:	73264
Ion	Ratio	Lower	Upper
105	100		
120	40.6	39.0	58.6
91	67.0	40.0	60.0#
77	31.4	17.5	26.3#



#75

1,3-Dichlorobenzene

Concen: 0.171 ppbv

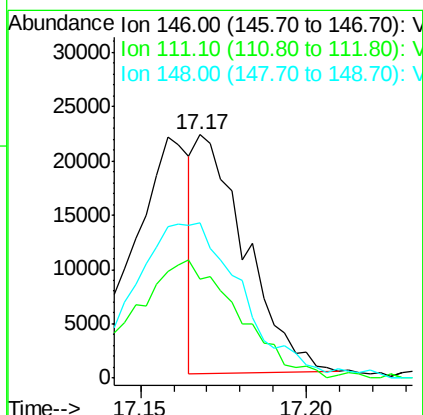
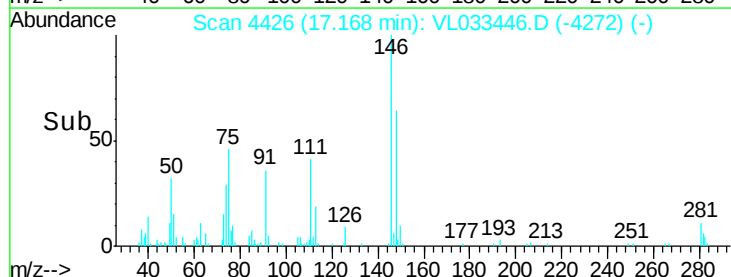
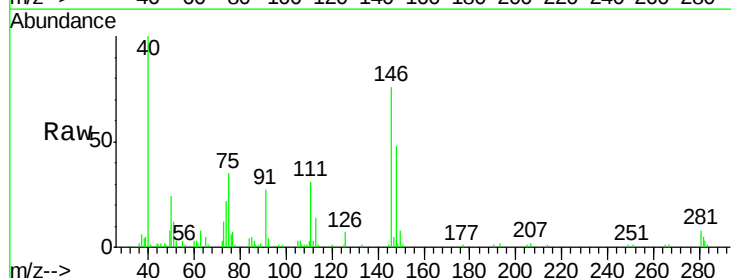
RT: 17.17 min Scan# 4426

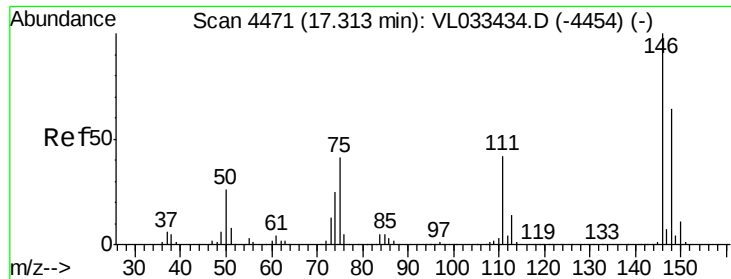
Delta R.T. -0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Tgt Ion:	146	Resp:	23109
Ion	Ratio	Lower	Upper
146	100		
111	104.2	22.9	68.8#
148	146.3	32.0	96.2#





#76

1,4-Dichlorobenzene

Concen: 0.104 ppbv

RT: 17.32 min Scan# 4472

Delta R.T. 0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2019

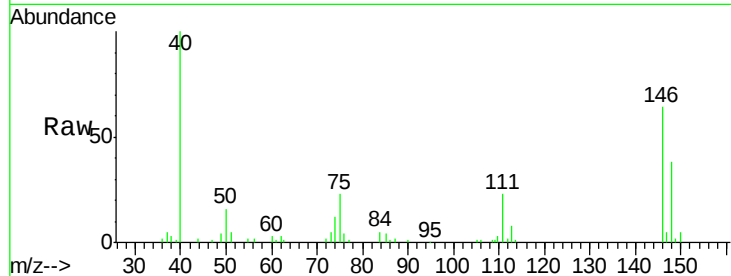
Tgt Ion:146 Resp: 13634

Ion Ratio Lower Upper

146 100

111 154.8 21.7 65.1#

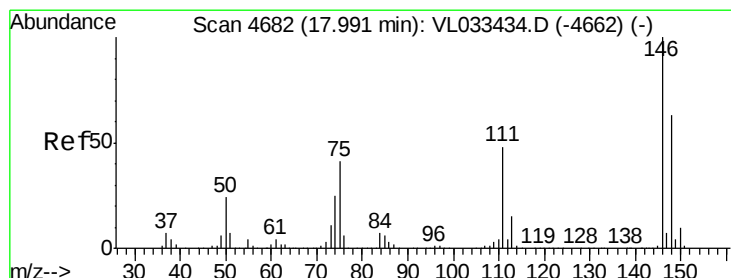
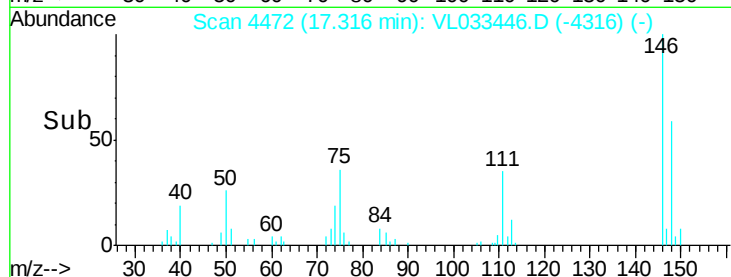
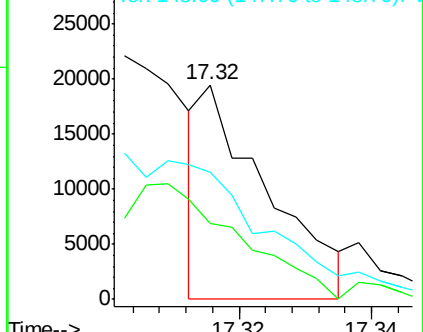
148 0.0 32.0 96.2#



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: 0.110 ppbv

RT: 17.99 min Scan# 4681

Delta R.T. -0.00 min

Lab File: VL033446.D

Acq: 25 Mar 2019 21:28

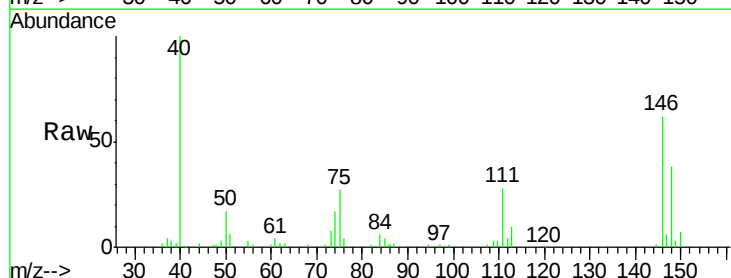
Tgt Ion:146 Resp: 14107

Ion Ratio Lower Upper

146 100

111 0.0 23.5 70.5#

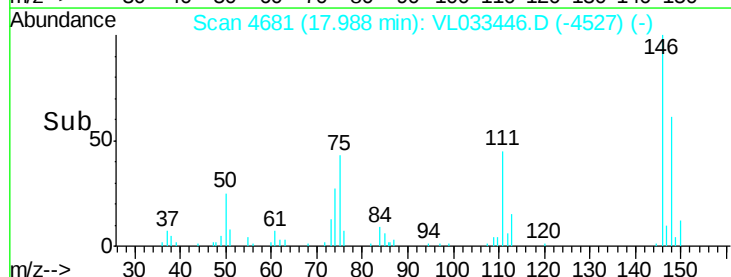
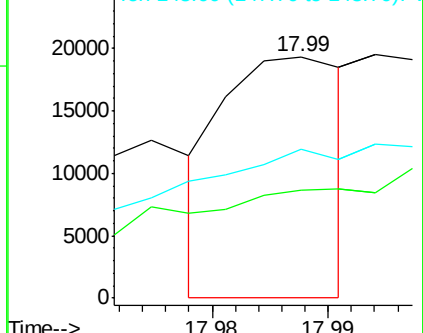
148 0.0 32.0 96.0#

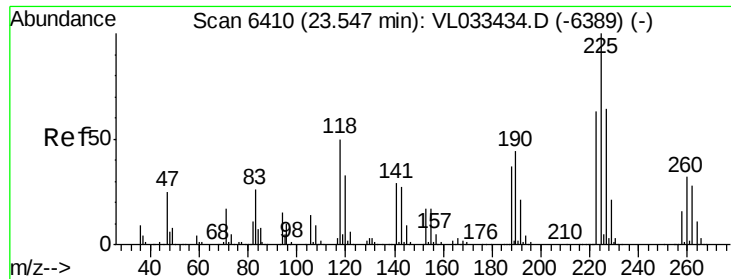


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

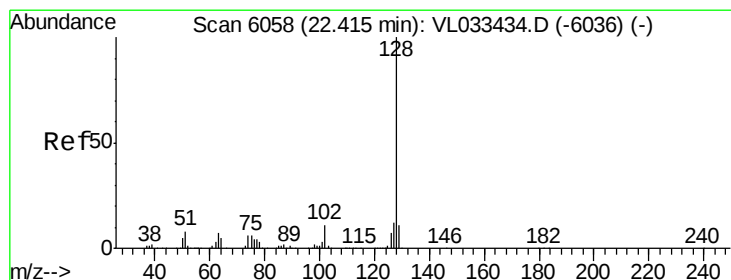
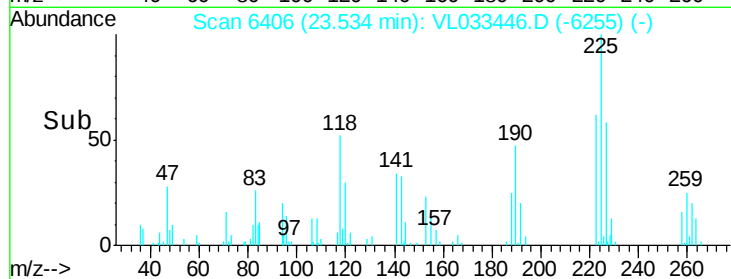
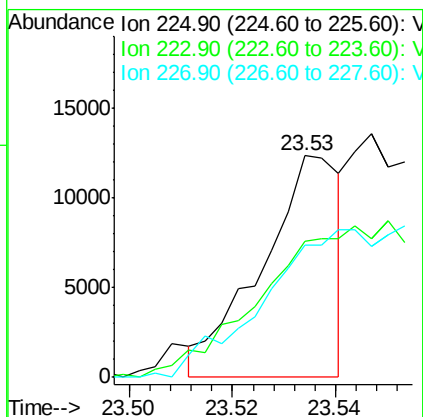
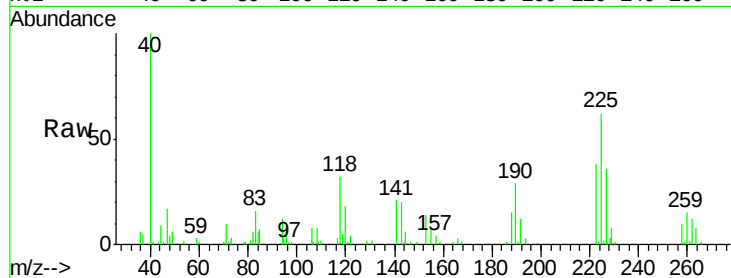




#78
 Hexachloro-1,3-Butadiene
 Concen: 0.153 ppbv
 RT: 23.53 min Scan# 6406
 Delta R.T. -0.01 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

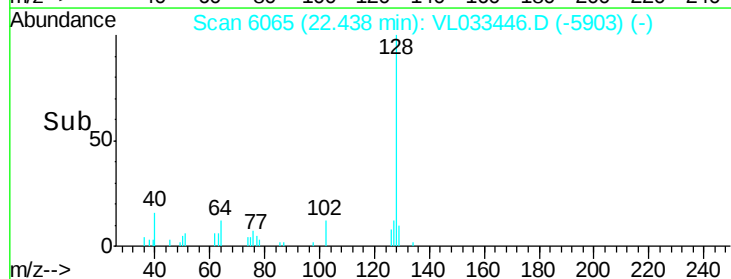
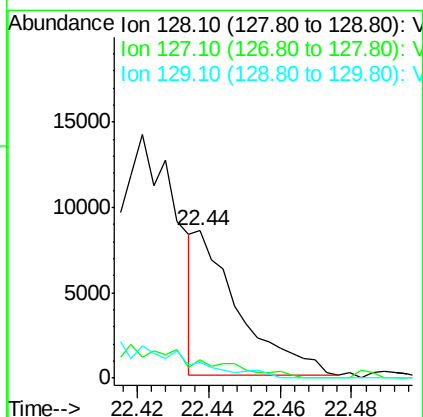
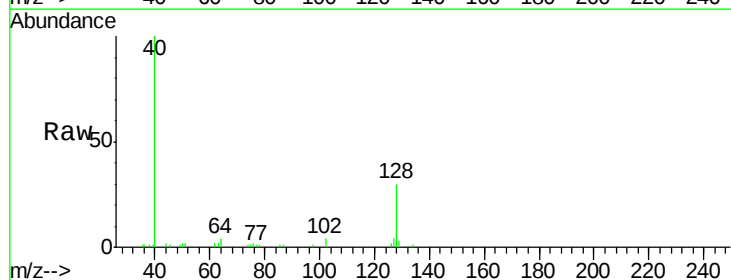
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2019

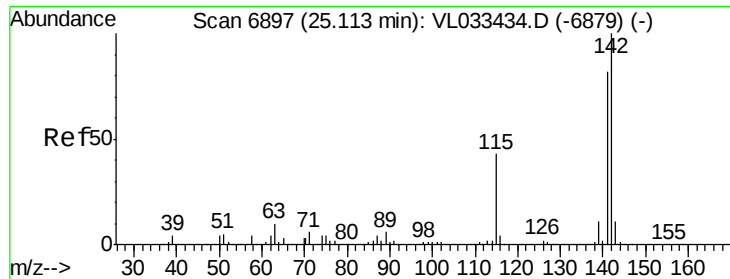
Tgt Ion: 225 Resp: 13005
 Ion Ratio Lower Upper
 225 100
 223 0.0 50.0 75.0#
 227 0.0 51.1 76.7#



#79
 Naphthalene
 Concen: 0.039 ppbv
 RT: 22.44 min Scan# 6065
 Delta R.T. 0.02 min
 Lab File: VL033446.D
 Acq: 25 Mar 2019 21:28

Tgt Ion: 128 Resp: 7279
 Ion Ratio Lower Upper
 128 100
 127 12.6 9.8 14.8
 129 10.6 8.6 12.8

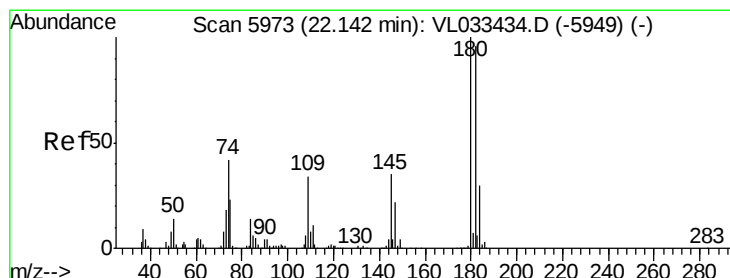
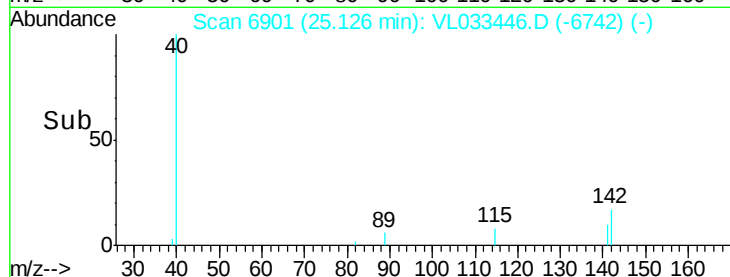
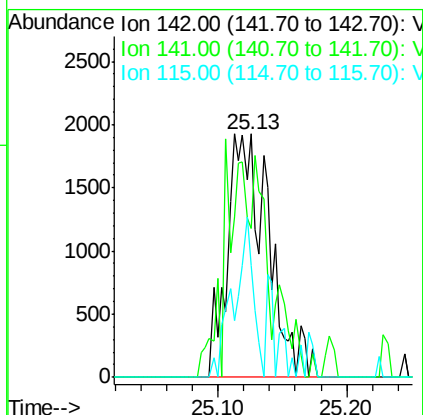
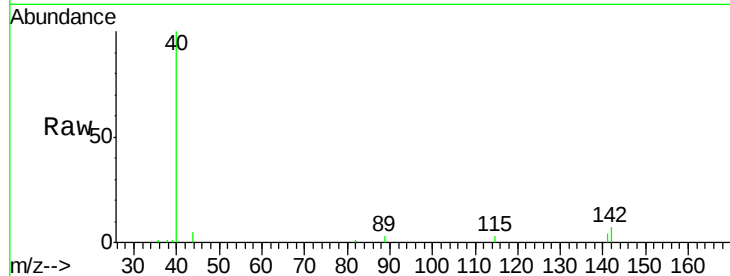




#80
Naphthalene, 2-methyl-
Concen: 0.068 ppbv
RT: 25.13 min Scan# 6901
Delta R.T. 0.01 min
Lab File: VL033446.D
Acq: 25 Mar 2019 21:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2019

Tgt Ion:142 Resp: 4275
Ion Ratio Lower Upper
142 100
141 97.0 66.6 99.8
115 37.5 34.4 51.6



#81
1,2,4-Trichlorobenzene
Concen: 0.123 ppbv
RT: 22.13 min Scan# 5970
Delta R.T. -0.01 min
Lab File: VL033446.D
Acq: 25 Mar 2019 21:28

Tgt Ion:180 Resp: 12790
Ion Ratio Lower Upper
180 100
182 200.5 77.0 115.4#
184 63.4 24.6 36.8#

