

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070518\
 Data File : VL032223.D
 Acq On : 6 Jul 2018 3:45
 Operator : SY/AP
 Sample : J3762-15 0.4 PPB LOD
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2018

Quant Time: Jul 06 04:33:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 22:27:58 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1615908	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	4046727	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.33	117	3953362	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3054212	10.11	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.13	85	131005	0.616	ppbv	100
3) Chlorodifluoromethane	3.07	51	101631	0.515	ppbv	98
4) Chloromethane	3.22	50	22093	0.210	ppbv #	88
5) Vinyl Chloride	3.35	62	48089	0.452	ppbv	98
6) Bromomethane	3.58	94	28227	0.465	ppbv	97
7) Chloroethane	3.66	64	11146	0.296	ppbv	98
8) Dichlorotetrafluoroethane	3.28	85	122069	0.514	ppbv	87
9) Propene	3.09	41	20180	0.219	ppbv #	57
10) Heptane	8.33	43	99967	0.373	ppbv	95
11) Trichlorofluoromethane	4.07	101	140905	0.612	ppbv	89
12) 1,1,2-Trichlorotrifluoroet	4.62	101	37064	0.242	ppbv #	13
13) Ethanol	3.73	45	5355	0.192	ppbv #	1
14) Bromoethene	3.86	108	35461	0.486	ppbv #	98
15) Acetone	3.98	43	126275	0.668	ppbv	99
16) 1,3-Butadiene	3.42	39	37804	0.419	ppbv	91
18) 1,1-Dichloroethene	4.42	96	37023	0.505	ppbv	96
19) Isopropyl Alcohol	4.11	45	61893	0.394	ppbv #	49
20) Methylene Chloride	4.48	84	29620	0.429	ppbv #	86
21) Allyl Chloride	4.55	41	40382	0.313	ppbv	89
22) trans-1,2-Dichloroethene	5.04	96	30980	0.404	ppbv	82
23) Vinyl Acetate	5.23	43	104102	0.304	ppbv #	93
24) 1,1-Dichloroethane	5.17	63	103794	0.473	ppbv	97
25) Ethyl Acetate	5.86	43	163420	0.418	ppbv	98
26) Hexane	5.86	57	73345	0.407	ppbv	89
27) Carbon Disulfide	4.69	76	52034	0.291	ppbv #	67
28) Methyl tert-Butyl Ether	5.20	73	102374	0.322	ppbv	99
29) Chloroform	5.93	83	124862	0.476	ppbv	92
30) Cyclohexane	7.33	84	14951	0.088	ppbv #	1
31) cis-1,2-Dichloroethene	5.72	61	68418	0.380	ppbv #	86
32) 1,1,1-Trichloroethane	6.71	97	118643	0.432	ppbv	94
34) 2-Butanone	5.42	43	99768	0.388	ppbv	100
35) Carbon Tetrachloride	7.22	117	127289	0.460	ppbv	93
36) Benzene	7.10	78	160330	0.409	ppbv	96
37) 1,2-Dichloroethane	6.49	62	106911	0.548	ppbv	96
38) Trichloroethene	8.05	130	61594	0.403	ppbv	97
39) 1,2-Dichloropropane	7.83	63	26424	0.171	ppbv	95
41) Tetrahydrofuran	6.26	42	50537	0.328	ppbv	95
42) Bromodichloromethane	8.01	83	148841	0.487	ppbv	88
43) Methyl Methacrylate	8.23	69	56045	0.345	ppbv	90
44) 2,2,4-Trimethylpentane	8.08	57	297848	0.435	ppbv	93
45) t-1,3-Dichloropropene	9.50	75	28193	0.140	ppbv	98

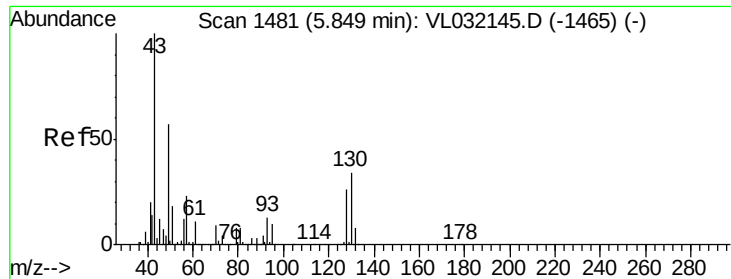
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070518\
 Data File : VL032223.D
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 MDL-AIR-03-QT3-2018

Quant Time: Jul 06 04:33:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Jun 29 22:27:58 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.91	75	12935	0.054	ppbv	98
47) 1,1,2-Trichloroethane	9.70	97	43396	0.270	ppbv	87
48) Dibromochloromethane	10.55	129	95383	0.384	ppbv	95
49) Bromoform	13.30	173	38129	0.183	ppbv #	27
50) 4-Methyl-2-Pentanone	8.99	43	168811	0.401	ppbv	96
51) 2-Hexanone	10.39	43	124701	0.358	ppbv #	93
52) Tetrachloroethene	11.47	164	32240	0.226	ppbv	92
53) Toluene	10.04	91	157915	0.334	ppbv	99
54) 1,2-Dibromoethane	10.85	107	98287	0.407	ppbv	87
56) 1,1,1,2-Tetrachloroethane	12.38	131	83231	0.472	ppbv #	1
57) Chlorobenzene	12.40	112	177304	0.518	ppbv #	96
58) Ethyl Benzene	12.96	91	238250	0.374	ppbv	99
59) m/p-Xylene	13.24	91	218148	0.427	ppbv #	43
60) o-Xylene	13.94	91	215772	0.424	ppbv	92
61) Styrene	13.77	104	57143	0.137	ppbv #	15
62) Isopropylbenzene	14.92	105	302658	0.386	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.93	83	114690	0.291	ppbv #	25
64) n-propylbenzene	15.82	120	60618	0.299	ppbv #	26
65) tert-Butylbenzene	17.01	119	245547	0.357	ppbv	88
66) Benzyl Chloride	17.25	91	70596	0.166	ppbv #	95
67) sec-Butylbenzene	17.55	105	382746	0.380	ppbv	95
69) p-Isopropyltoluene	17.91	119	268280	0.332	ppbv	94
70) n-Butylbenzene	18.81	91	306867	0.364	ppbv	94
71) 2-Chlorotoluene	15.71	91	113963	0.189	ppbv #	54
72) 4-Ethyltoluene	16.09	105	120482	0.183	ppbv #	55
73) 1,3,5-Trimethylbenzene	16.25	105	213052	0.344	ppbv #	85
74) 1,2,4-Trimethylbenzene	17.02	105	229051	0.366	ppbv #	89
75) 1,3-Dichlorobenzene	17.26	146	160591	0.451	ppbv	95
76) 1,4-Dichlorobenzene	17.40	146	132133	0.366	ppbv	92
77) 1,2-Dichlorobenzene	18.09	146	137958	0.388	ppbv	92
78) Hexachloro-1,3-Butadiene	23.62	225	14836	0.120	ppbv #	18
79) Naphthalene	22.53	128	58214	0.102	ppbv #	96
80) Naphthalene,2-methyl-	25.20	142	6454	0.031	ppbv #	93
81) 1,2,4-Trichlorobenzene	22.23	180	11597	0.045	ppbv #	12

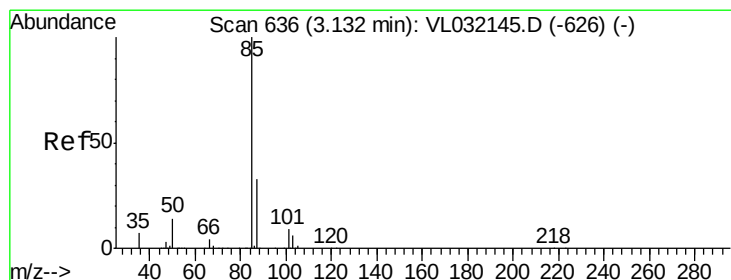
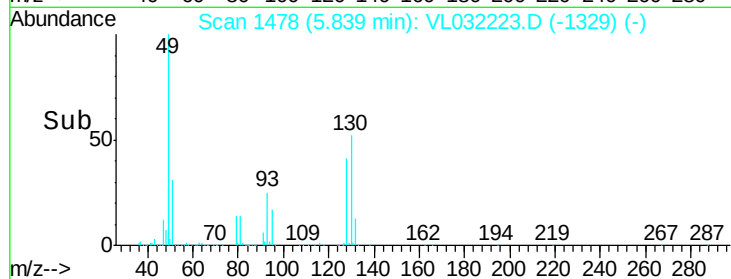
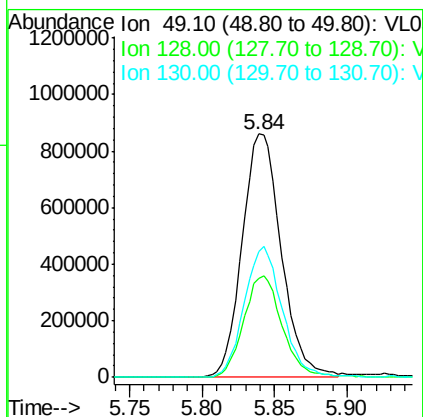
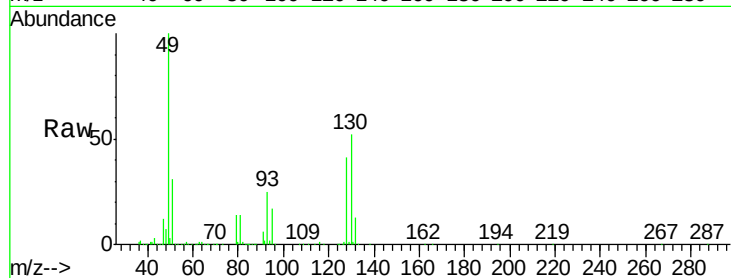
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.84 min Scan# 1478
 Delta R.T. -0.02 min
 Lab File: VL032223.D
 Acq: 6 Jul 2018 3:45

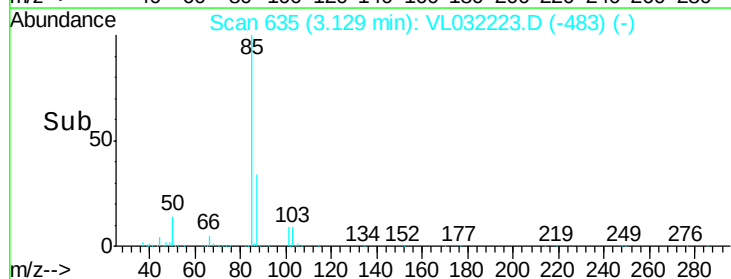
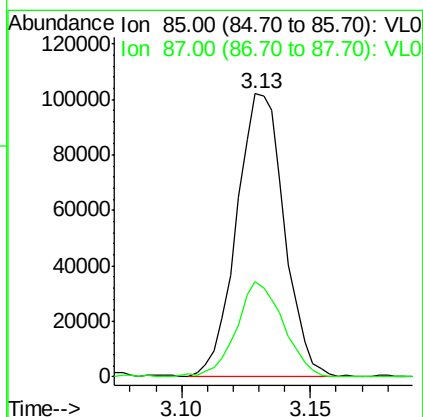
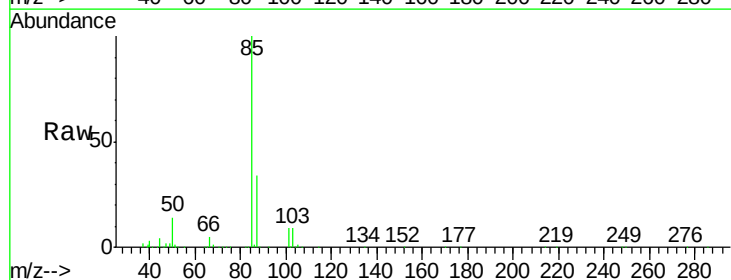
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2018

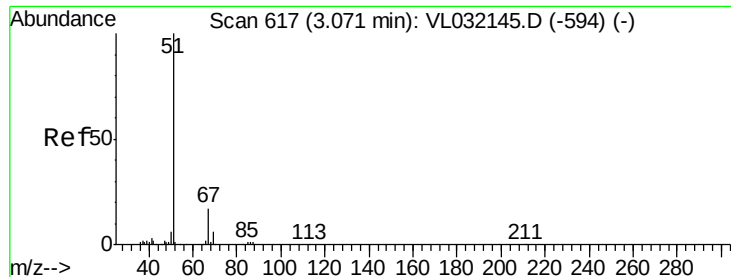
Tgt Ion: 49 Resp: 1615908
 Ion Ratio Lower Upper
 49 100
 128 41.6 23.4 70.0
 130 52.5 30.3 90.9



#2
 Dichlorodifluoromethane
 Concen: 0.616 ppbv
 RT: 3.13 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: VL032223.D
 Acq: 6 Jul 2018 3:45

Tgt Ion: 85 Resp: 131005
 Ion Ratio Lower Upper
 85 100
 87 33.5 26.7 40.1





#3

Chlorodifluoromethane

Concen: 0.515 ppbv

RT: 3.07 min Scan# 616

Delta R.T. -0.01 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

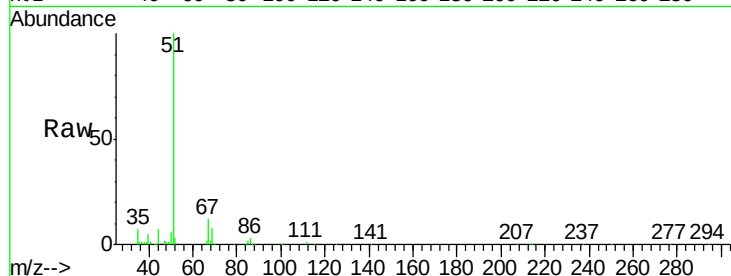
MDL-AIR-03-QT3-2018

Tgt Ion: 51 Resp: 101631

Ion Ratio Lower Upper

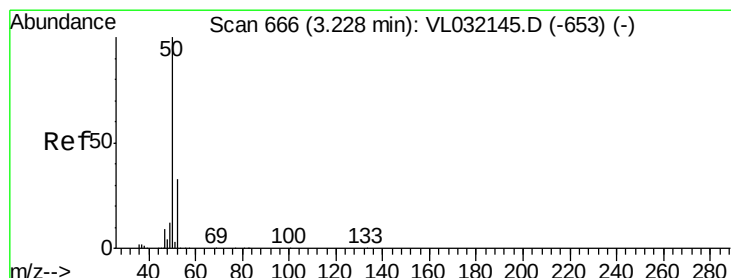
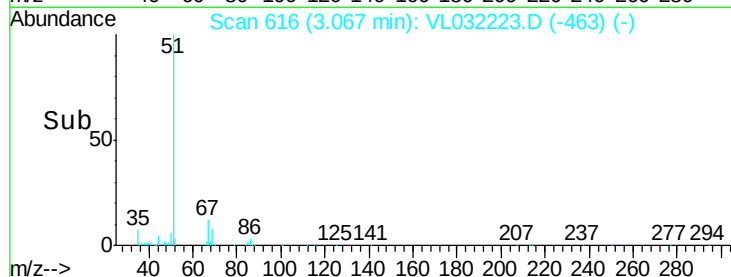
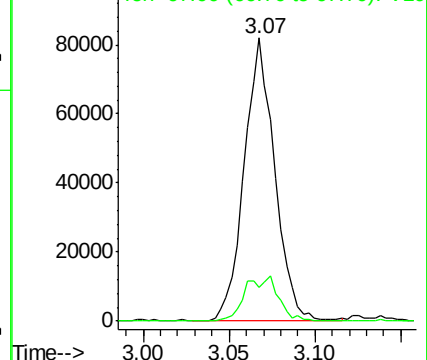
51 100

67 17.3 13.2 19.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.210 ppbv

RT: 3.22 min Scan# 664

Delta R.T. -0.02 min

Lab File: VL032223.D

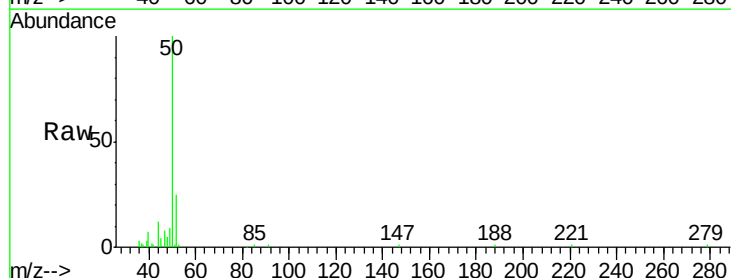
Acq: 6 Jul 2018 3:45

Tgt Ion: 50 Resp: 22093

Ion Ratio Lower Upper

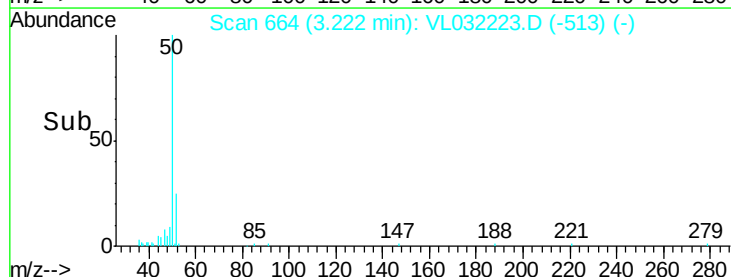
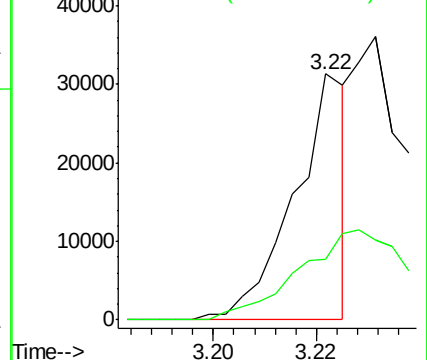
50 100

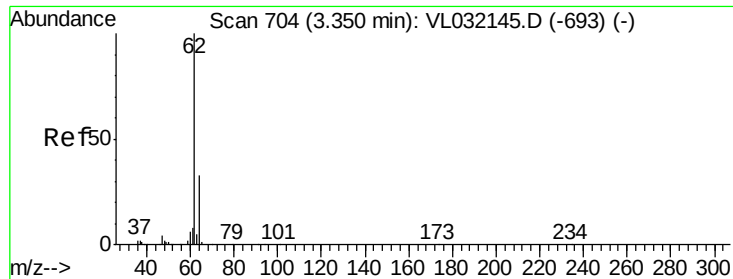
52 25.6 26.0 39.0#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.452 ppbv

RT: 3.35 min Scan# 703

Delta R.T. -0.01 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

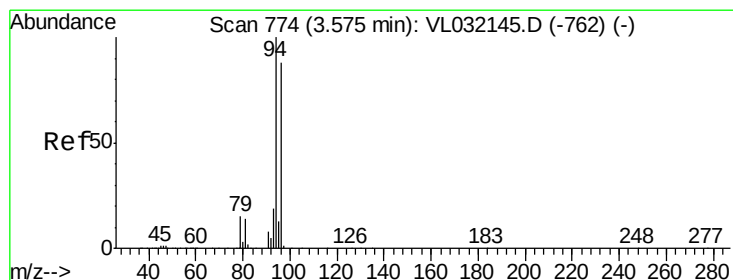
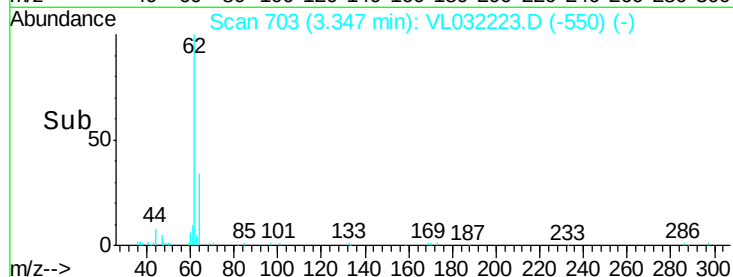
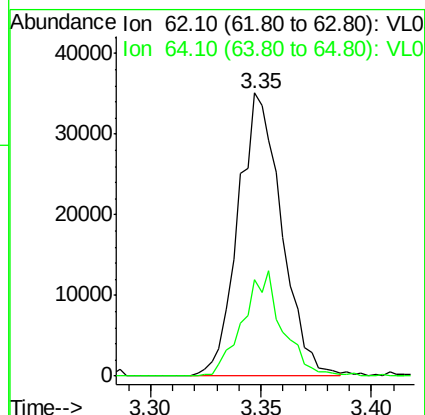
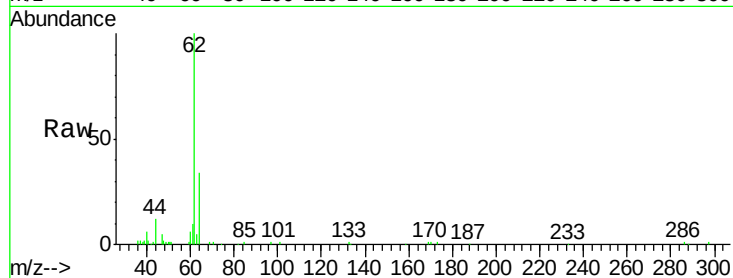
MDL-AIR-03-QT3-2018

Tgt Ion: 62 Resp: 48089

Ion Ratio Lower Upper

62 100

64 34.0 26.1 39.1



#6

Bromomethane

Concen: 0.465 ppbv

RT: 3.58 min Scan# 774

Delta R.T. -0.01 min

Lab File: VL032223.D

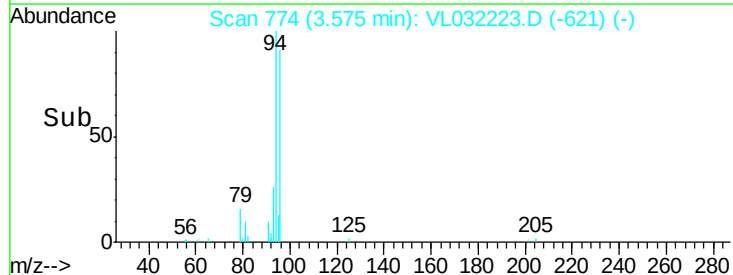
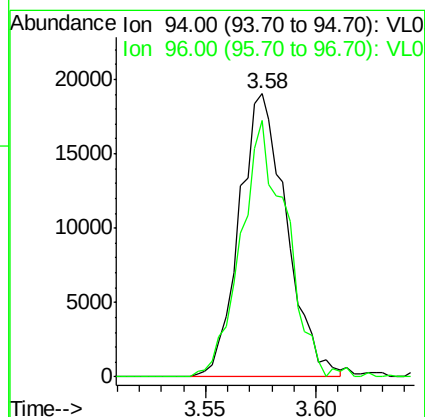
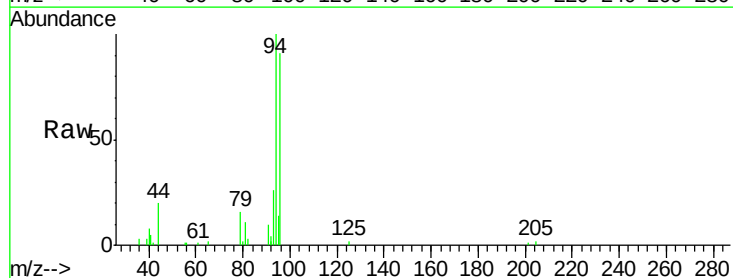
Acq: 6 Jul 2018 3:45

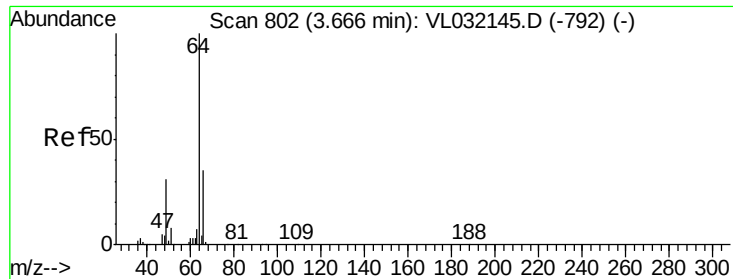
Tgt Ion: 94 Resp: 28227

Ion Ratio Lower Upper

94 100

96 90.6 74.7 112.1





#7

Chloroethane

Concen: 0.296 ppbv

RT: 3.66 min Scan# 801

Delta R.T. -0.01 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

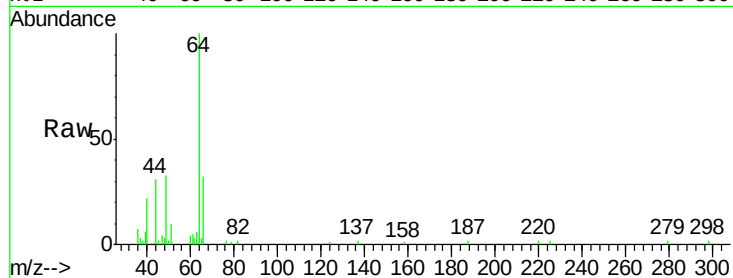
MDL-AIR-03-QT3-2018

Tgt Ion: 64 Resp: 11146

Ion Ratio Lower Upper

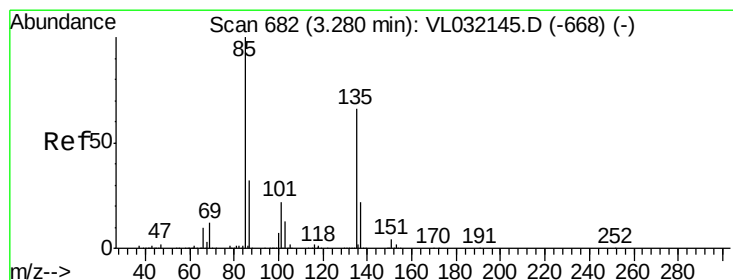
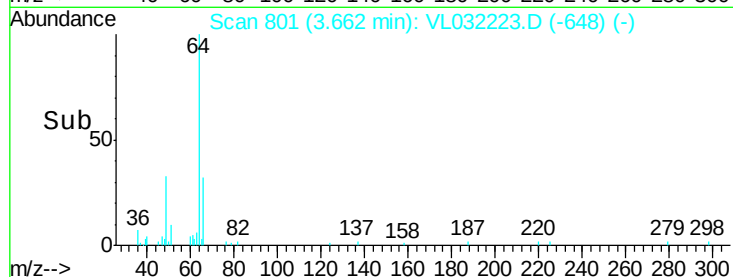
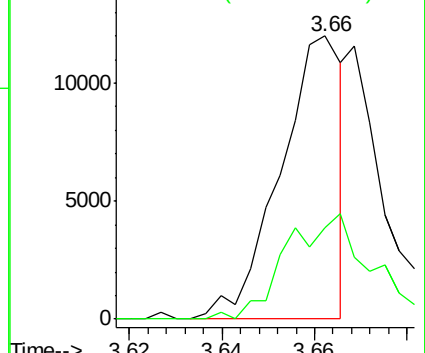
64 100

66 32.3 26.9 40.3



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.514 ppbv

RT: 3.28 min Scan# 682

Delta R.T. -0.01 min

Lab File: VL032223.D

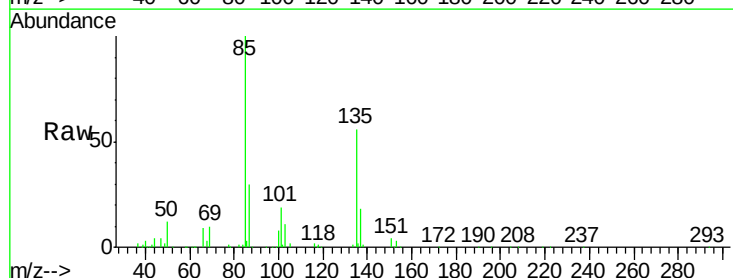
Acq: 6 Jul 2018 3:45

Tgt Ion: 85 Resp: 122069

Ion Ratio Lower Upper

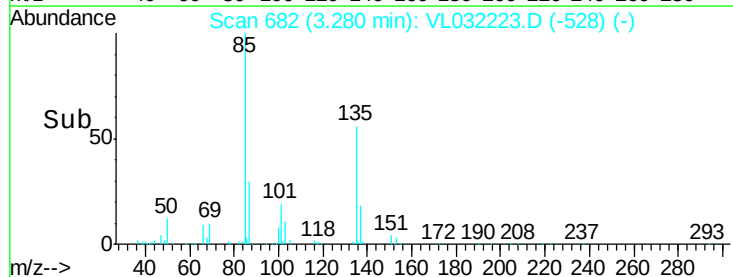
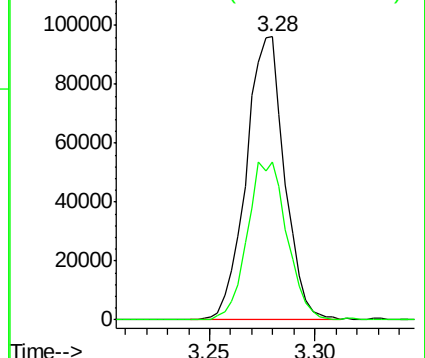
85 100

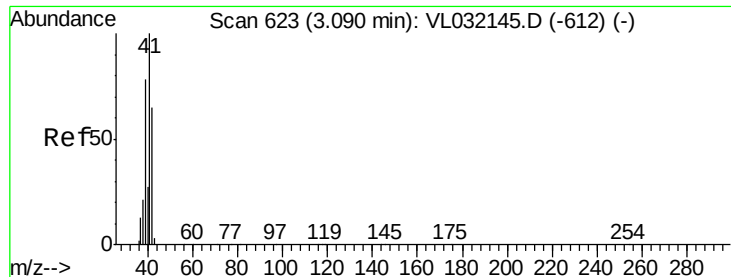
135 57.7 54.6 82.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0





#9

Propene

Concen: 0.219 ppbv

RT: 3.09 min Scan# 623

Delta R.T. -0.01 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

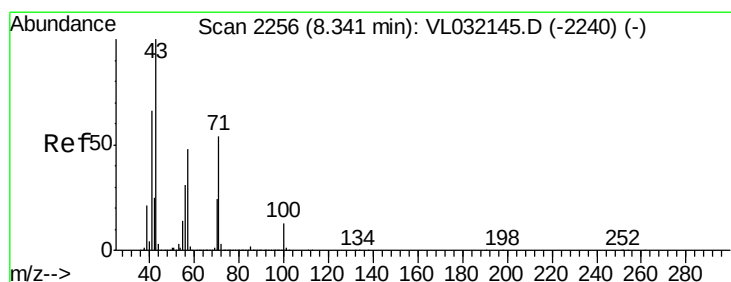
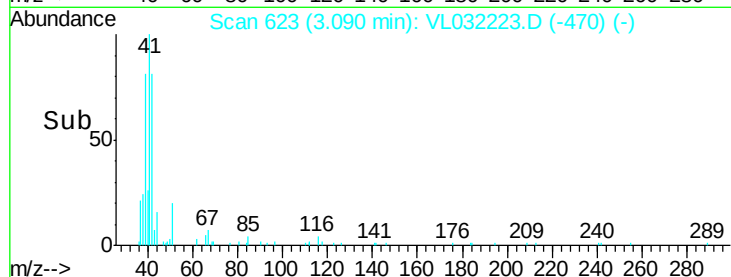
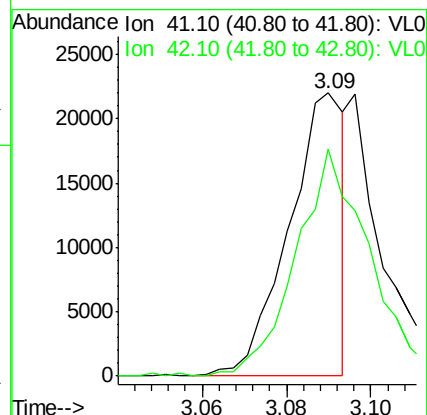
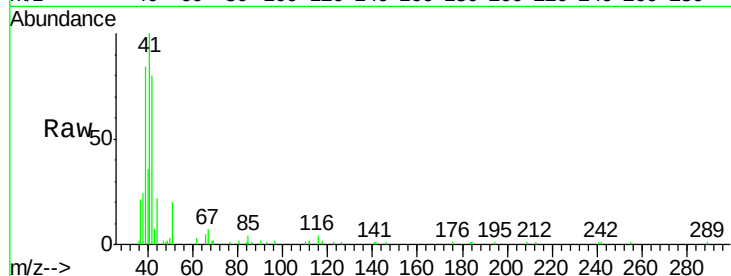
MDL-AIR-03-QT3-2018

Tgt Ion: 41 Resp: 20180

Ion Ratio Lower Upper

41 100

42 105.8 56.2 84.4#



#10

Heptane

Concen: 0.373 ppbv

RT: 8.33 min Scan# 2254

Delta R.T. -0.02 min

Lab File: VL032223.D

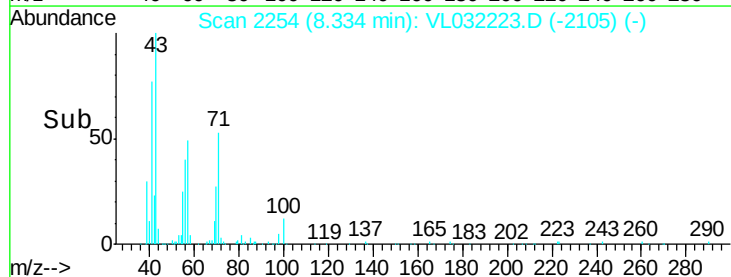
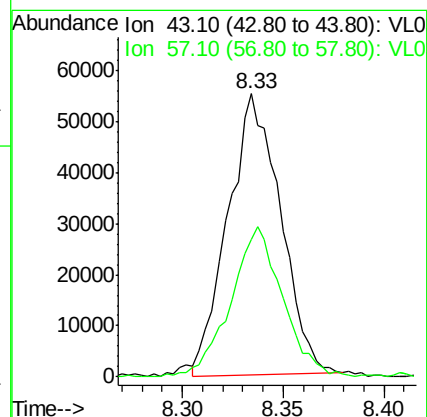
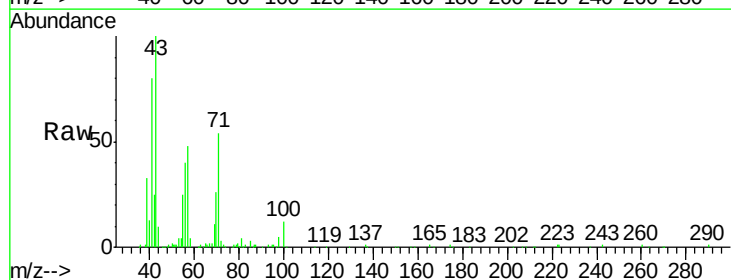
Acq: 6 Jul 2018 3:45

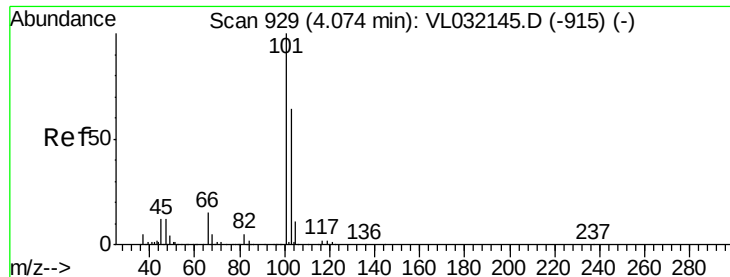
Tgt Ion: 43 Resp: 99967

Ion Ratio Lower Upper

43 100

57 53.6 39.8 59.8

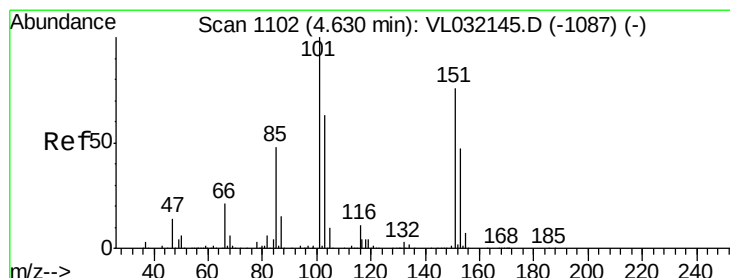
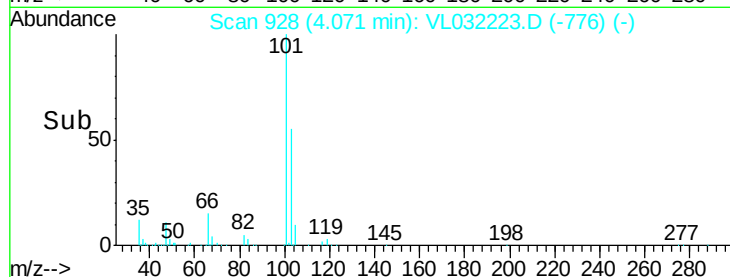
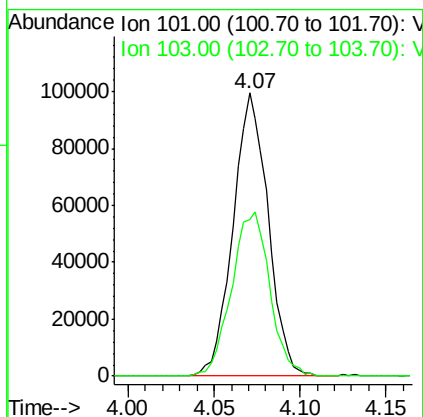
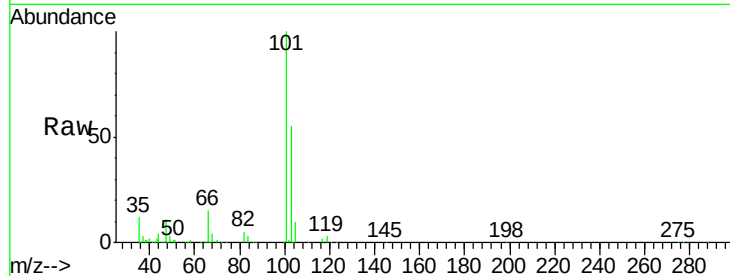




#11
 Trichlorofluoromethane
 Concen: 0.612 ppbv
 RT: 4.07 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VL032223.D
 Acq: 6 Jul 2018 3:45

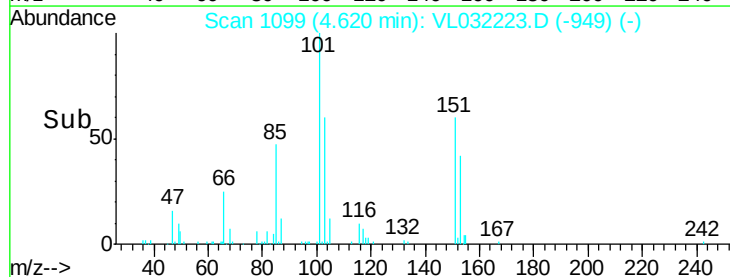
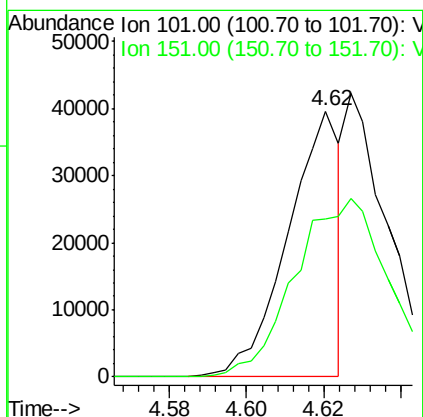
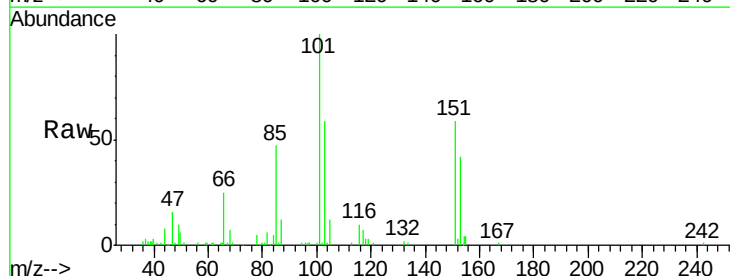
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2018

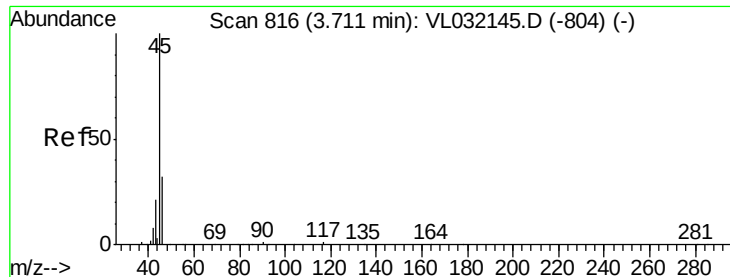
Tgt Ion:101 Resp: 140905
 Ion Ratio Lower Upper
 101 100
 103 55.5 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.242 ppbv
 RT: 4.62 min Scan# 1099
 Delta R.T. -0.02 min
 Lab File: VL032223.D
 Acq: 6 Jul 2018 3:45

Tgt Ion:101 Resp: 37064
 Ion Ratio Lower Upper
 101 100
 151 0.0 58.8 88.2#





#13

Ethanol

Concen: 0.192 ppbv

RT: 3.73 min Scan# 822

Delta R.T. 0.01 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

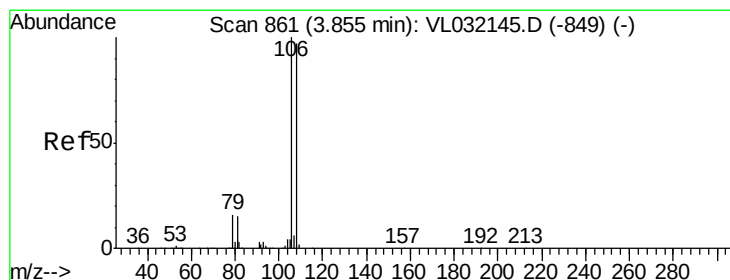
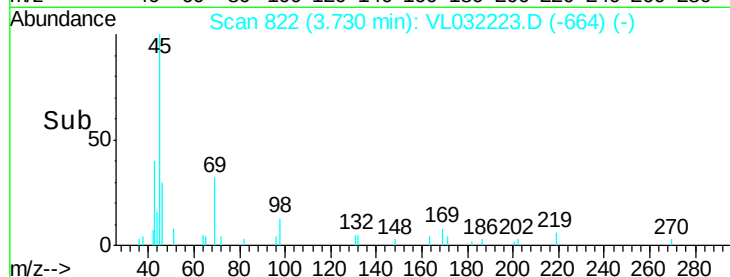
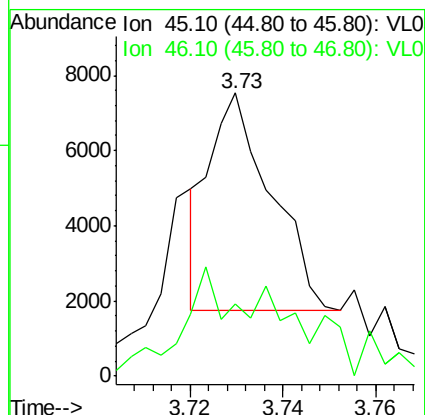
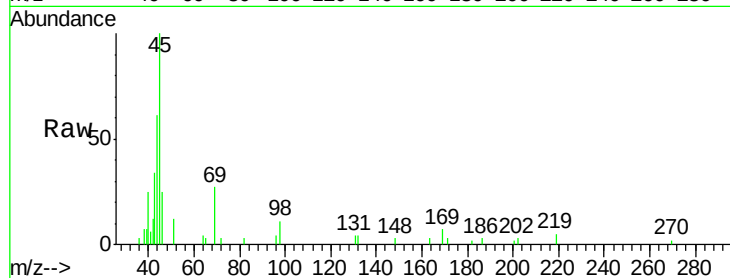
MDL-AIR-03-QT3-2018

Tgt Ion: 45 Resp: 5355

Ion Ratio Lower Upper

45 100

46 96.4 14.6 58.4#



#14

Bromoethene

Concen: 0.486 ppbv

RT: 3.86 min Scan# 861

Delta R.T. -0.01 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

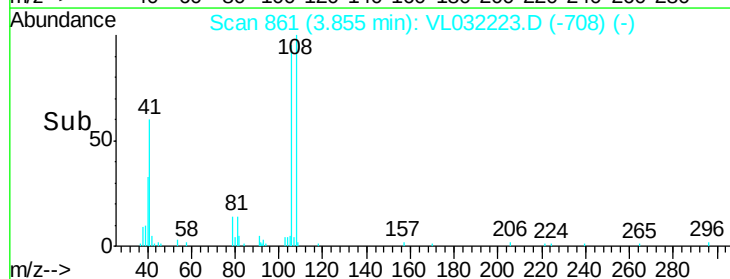
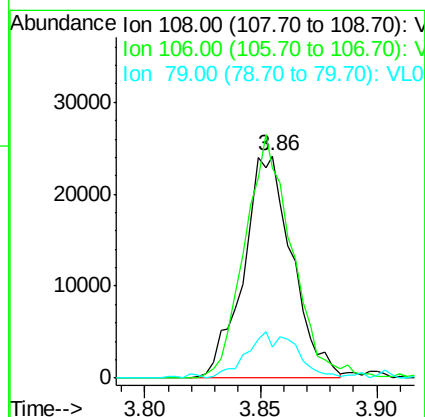
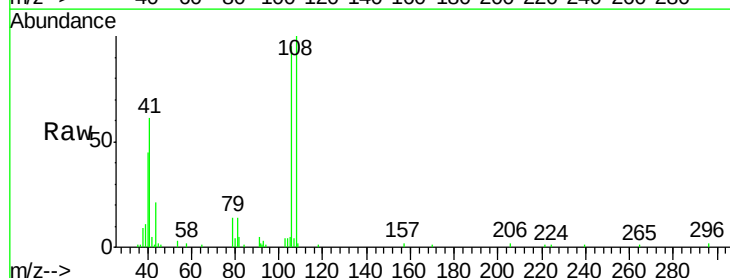
Tgt Ion: 108 Resp: 35461

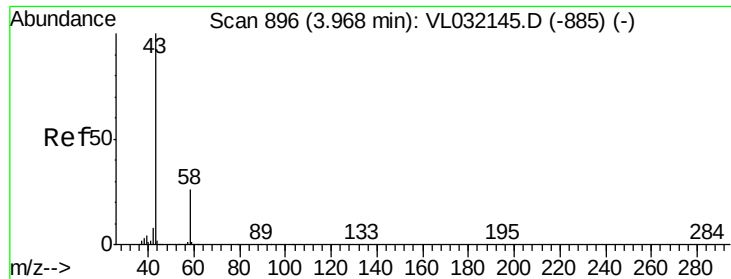
Ion Ratio Lower Upper

108 100

106 107.6 86.3 129.5

79 23.0 12.7 19.1#

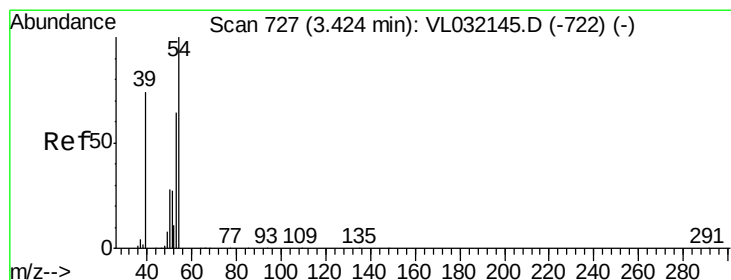
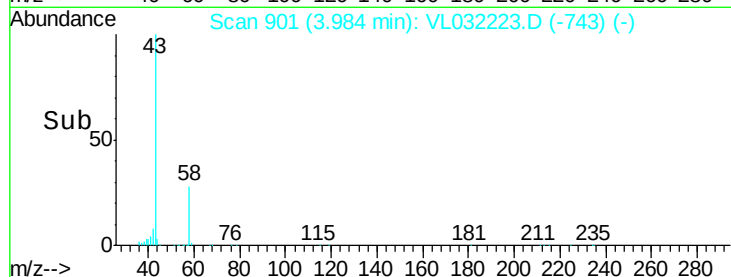
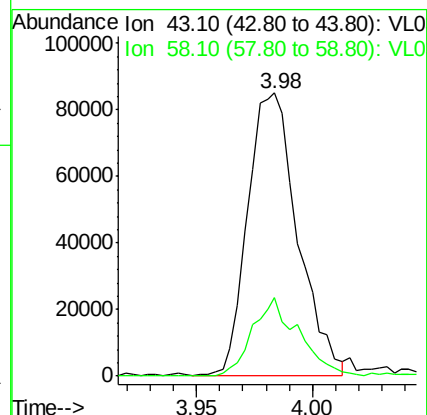
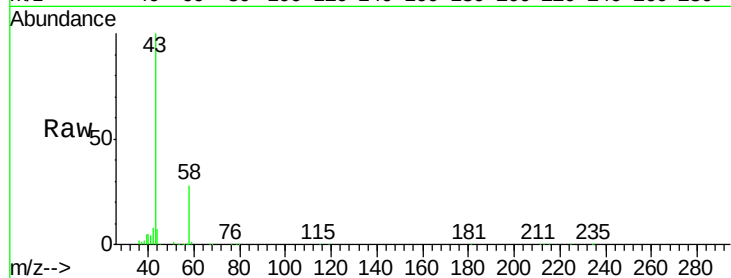




#15
Acetone
Concen: 0.668 ppbv
RT: 3.98 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL032223.D
Acq: 6 Jul 2018 3:45

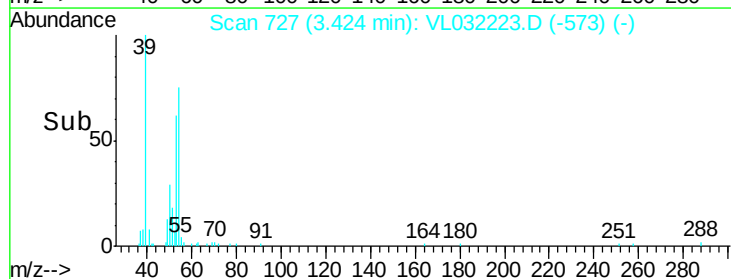
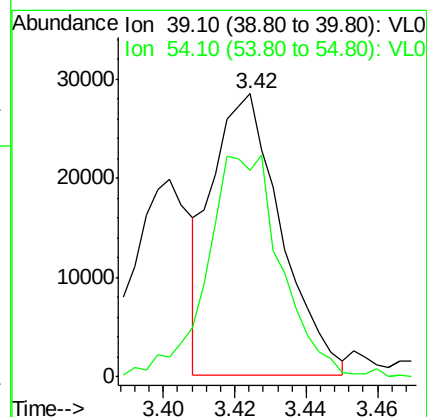
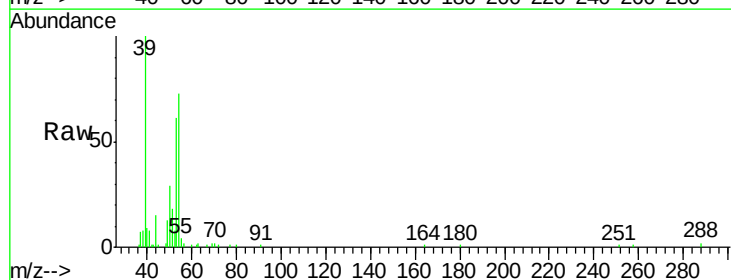
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2018

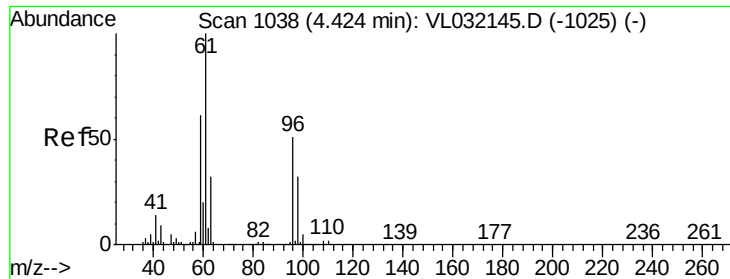
Tgt Ion: 43 Resp: 126275
Ion Ratio Lower Upper
43 100
58 27.5 21.4 32.0



#16
1,3-Butadiene
Concen: 0.419 ppbv
RT: 3.42 min Scan# 727
Delta R.T. -0.01 min
Lab File: VL032223.D
Acq: 6 Jul 2018 3:45

Tgt Ion: 39 Resp: 37804
Ion Ratio Lower Upper
39 100
54 85.9 75.8 113.6

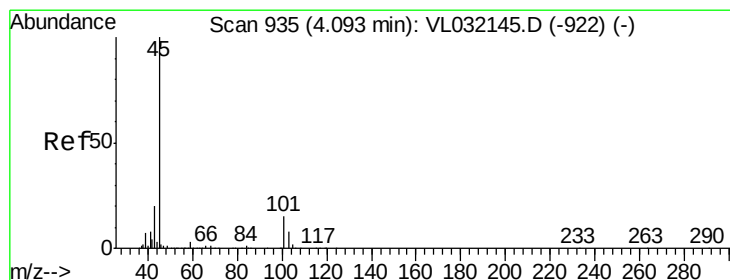
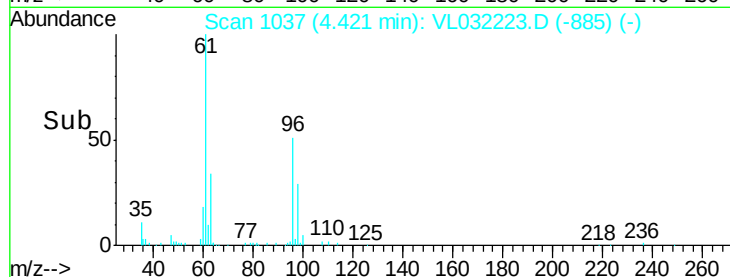
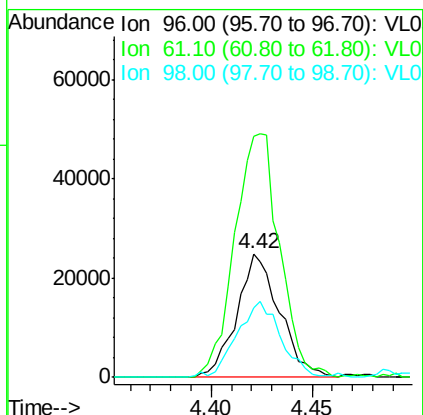
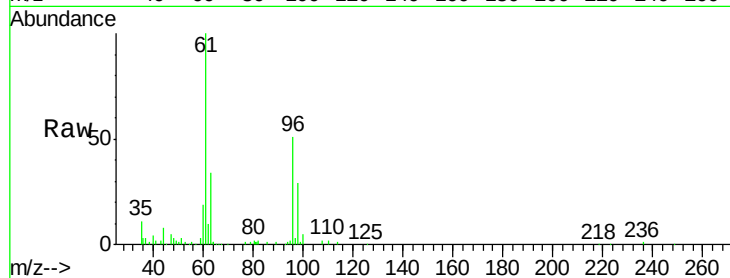




#18
 1,1-Dichloroethene
 Concen: 0.505 ppbv
 RT: 4.42 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: VL032223.D
 Acq: 6 Jul 2018 3:45

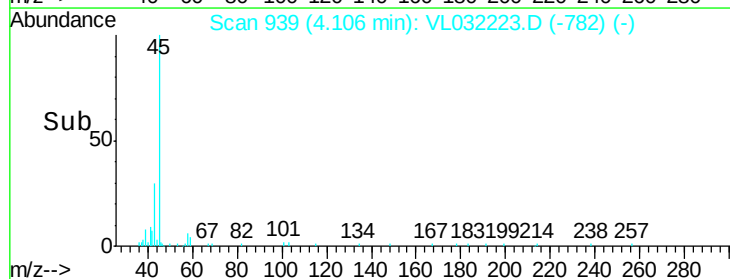
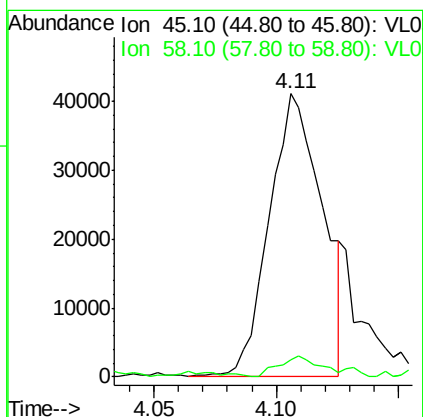
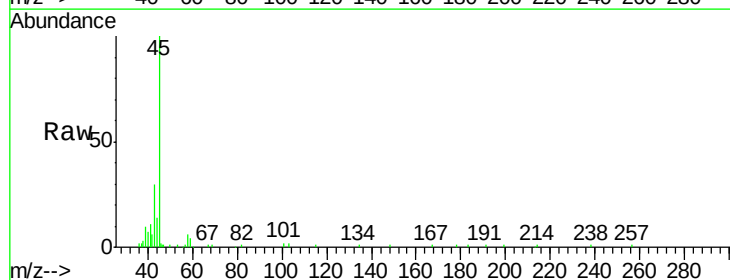
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2018

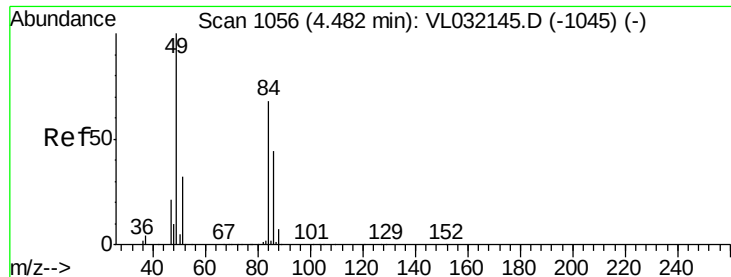
Tgt Ion: 96 Resp: 37023
 Ion Ratio Lower Upper
 96 100
 61 195.1 154.1 231.1
 98 55.8 50.3 75.5



#19
 Isopropyl Alcohol
 Concen: 0.394 ppbv
 RT: 4.11 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VL032223.D
 Acq: 6 Jul 2018 3:45

Tgt Ion: 45 Resp: 61893
 Ion Ratio Lower Upper
 45 100
 58 6.2 29.4 44.0#

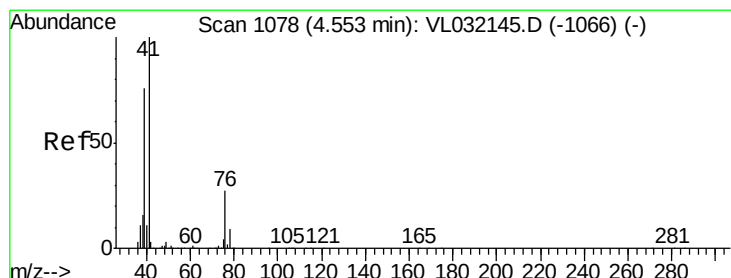
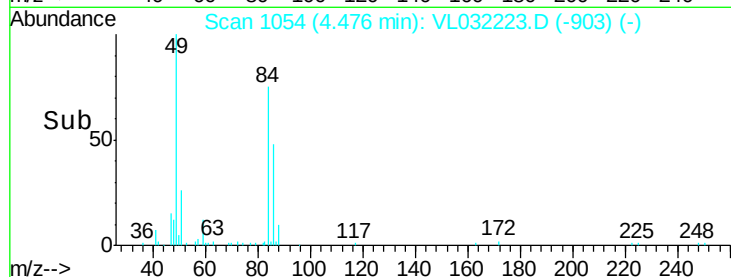
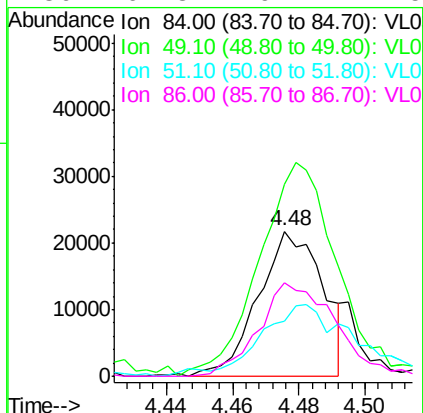
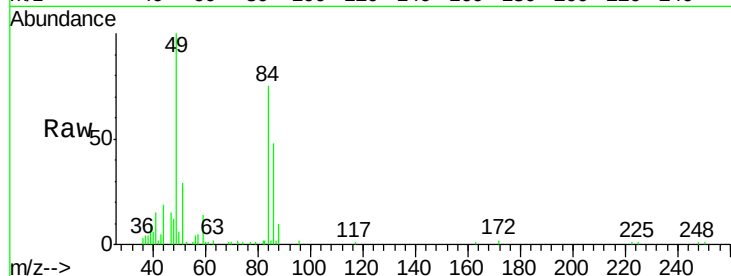




#20
Methylene Chloride
Concen: 0.429 ppbv
RT: 4.48 min Scan# 1054
Delta R.T. -0.02 min
Lab File: VL032223.D
Acq: 6 Jul 2018 3:45

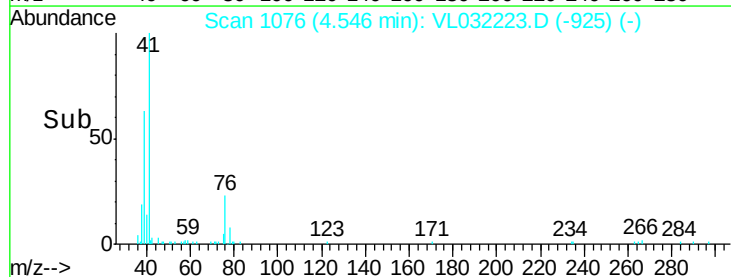
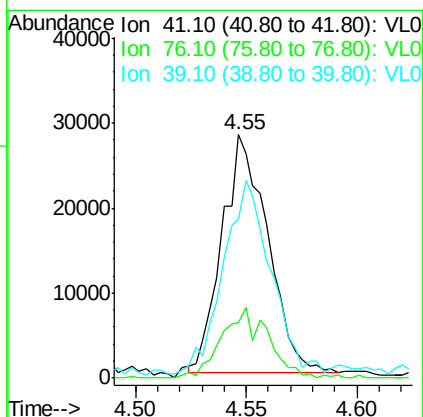
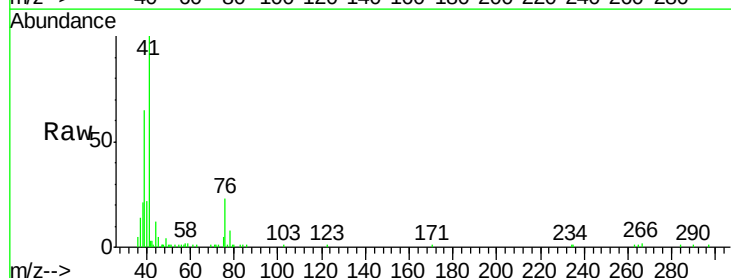
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2018

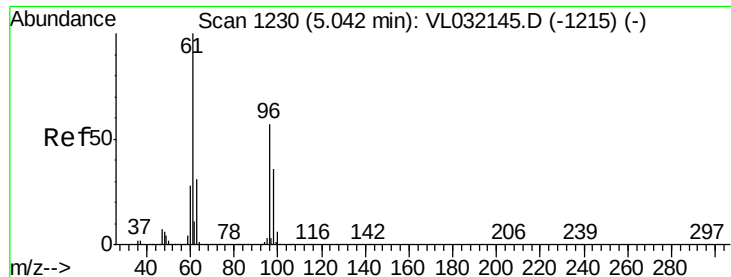
Tgt Ion: 84 Resp: 29620
Ion Ratio Lower Upper
84 100
49 127.5 119.6 179.4
51 32.3 36.3 54.5#
86 64.3 49.7 74.5



#21
Allyl Chloride
Concen: 0.313 ppbv
RT: 4.55 min Scan# 1076
Delta R.T. -0.02 min
Lab File: VL032223.D
Acq: 6 Jul 2018 3:45

Tgt Ion: 41 Resp: 40382
Ion Ratio Lower Upper
41 100
76 30.3 22.5 33.7
39 86.9 60.5 90.7





#22

trans-1,2-Dichloroethene

Concen: 0.404 ppbv

RT: 5.04 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2018

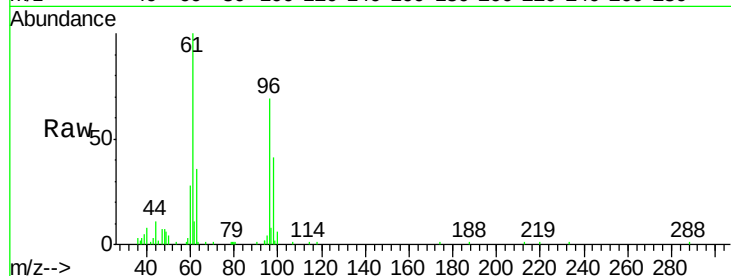
Tgt Ion: 96 Resp: 30980

Ion Ratio Lower Upper

96 100

61 138.3 135.2 202.8

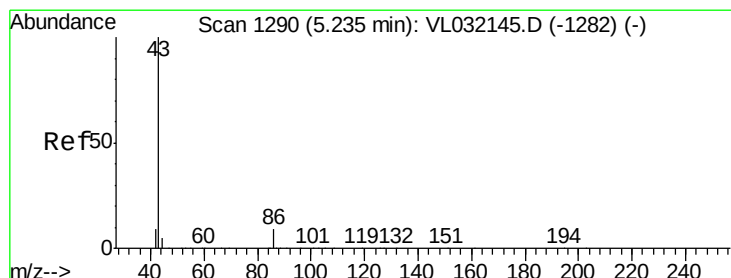
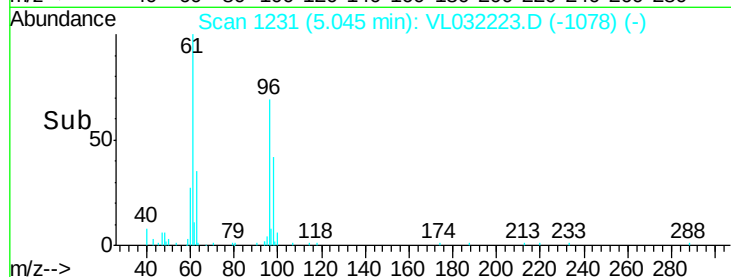
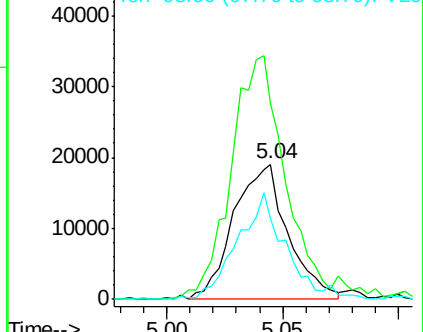
98 58.4 49.7 74.5



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: 0.304 ppbv

RT: 5.23 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Tgt Ion: 43 Resp: 104102

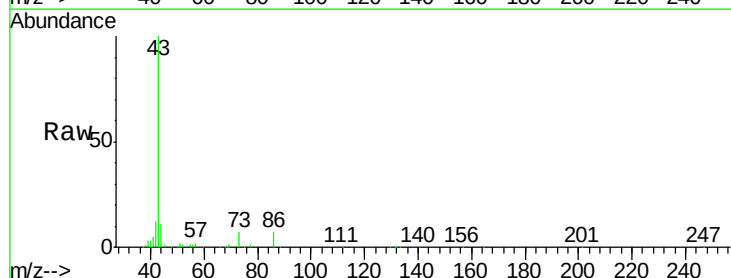
Ion Ratio Lower Upper

43 100

86 6.3 6.2 9.4

42 11.5 6.9 10.3#

44 7.5 3.8 5.8#

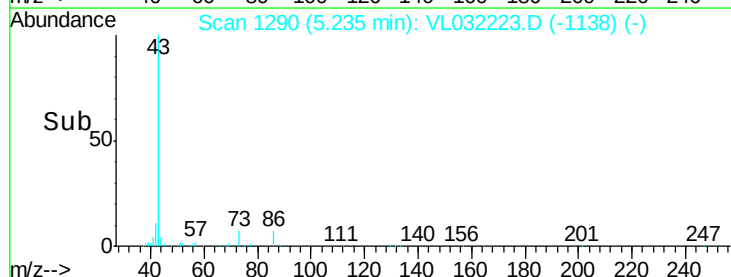
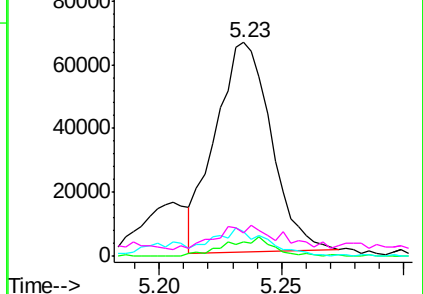


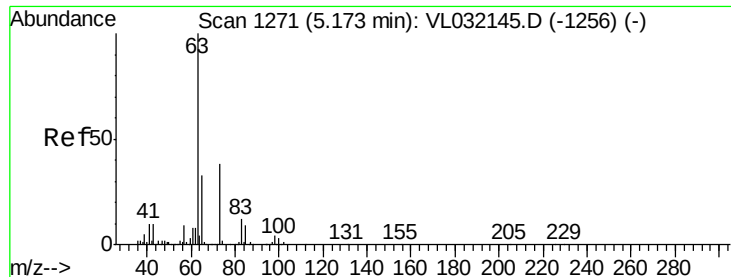
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

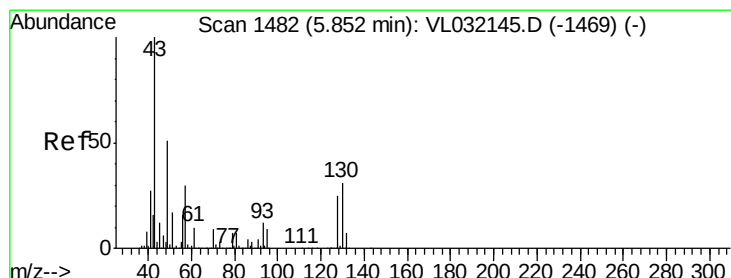
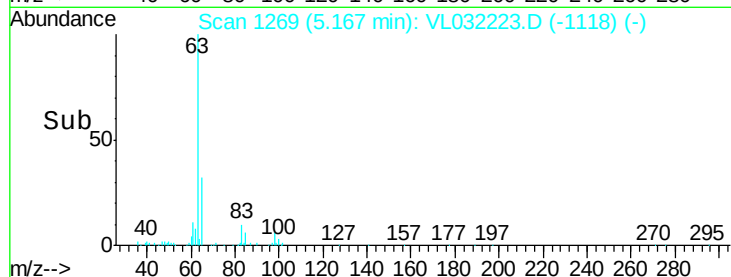
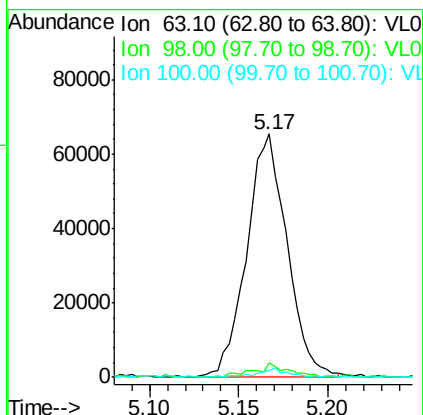
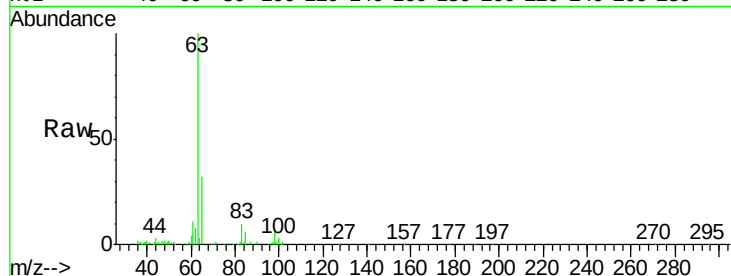




#24
 1,1-Dichloroethane
 Concen: 0.473 ppbv
 RT: 5.17 min Scan# 1269
 Delta R.T. -0.02 min
 Lab File: VL032223.D
 Acq: 6 Jul 2018 3:45

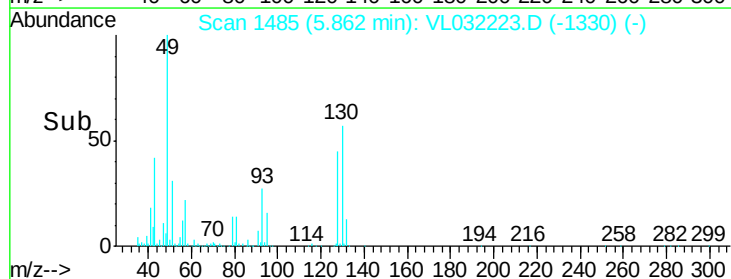
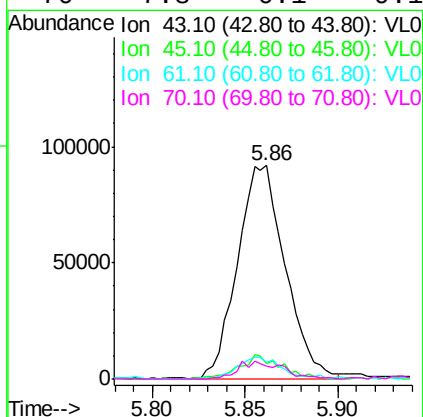
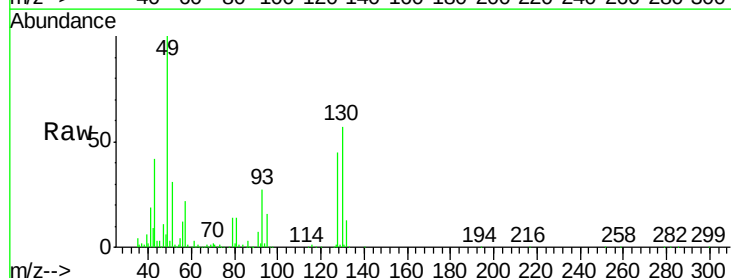
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2018

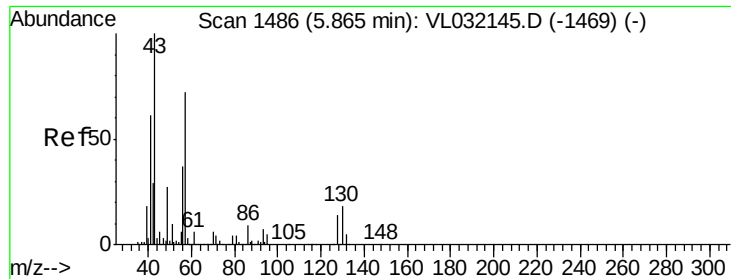
Tgt Ion: 63 Resp: 103794
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.4 7.2
 100 2.8 1.7 5.0



#25
 Ethyl Acetate
 Concen: 0.418 ppbv
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VL032223.D
 Acq: 6 Jul 2018 3:45

Tgt Ion: 43 Resp: 163420
 Ion Ratio Lower Upper
 43 100
 45 10.5 7.8 11.8
 61 10.1 7.4 11.0
 70 7.8 6.1 9.1

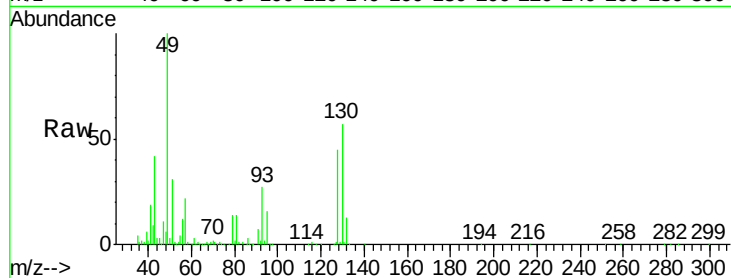




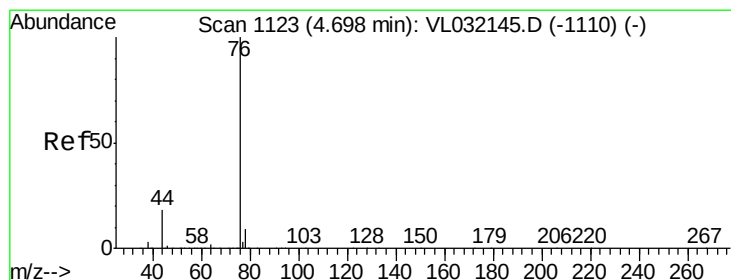
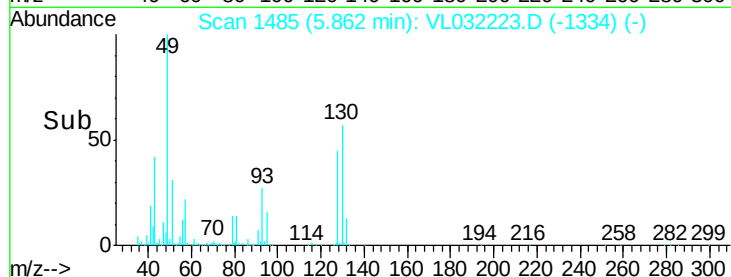
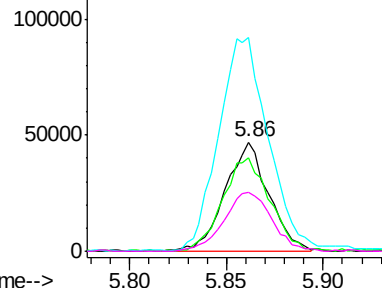
#26
Hexane
Concen: 0.407 ppbv
RT: 5.86 min Scan# 1485
Delta R.T. -0.02 min
Lab File: VL032223.D
Acq: 6 Jul 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2018

Tgt Ion: 57 Resp: 73345
Ion Ratio Lower Upper
57 100
41 94.5 68.6 103.0
43 229.1 168.6 252.8
56 59.4 41.0 61.6

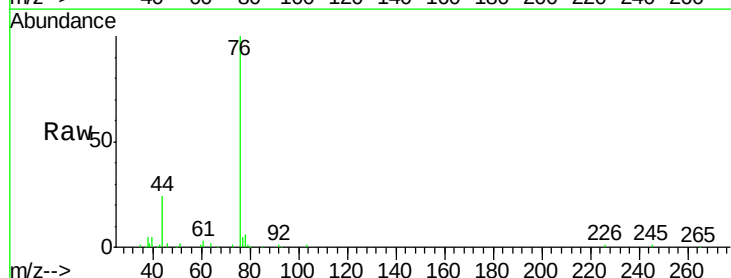


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

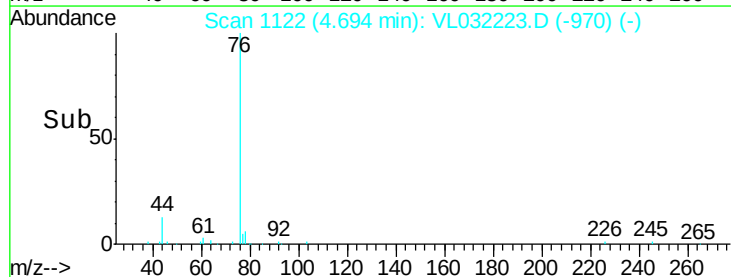
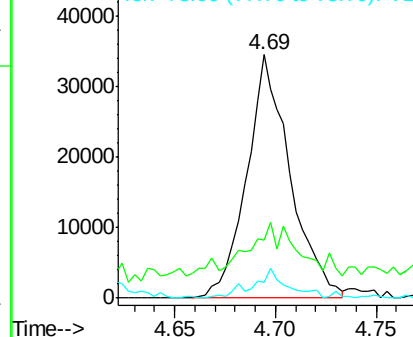


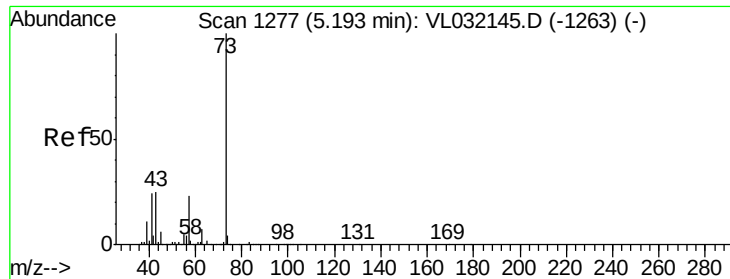
#27
Carbon Disulfide
Concen: 0.291 ppbv
RT: 4.69 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VL032223.D
Acq: 6 Jul 2018 3:45

Tgt Ion: 76 Resp: 52034
Ion Ratio Lower Upper
76 100
44 39.6 15.1 22.7#
78 10.5 7.2 10.8



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



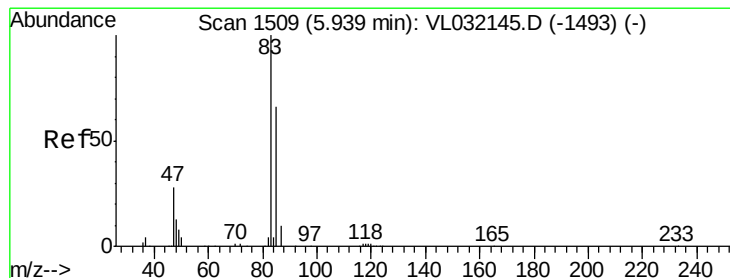
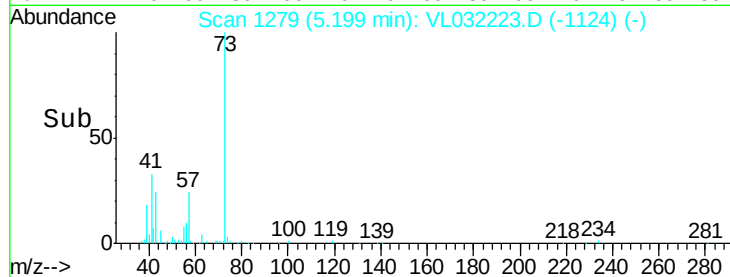
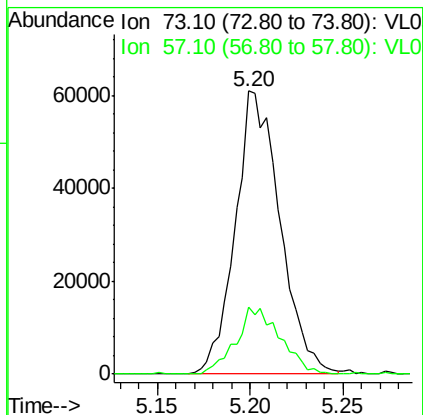
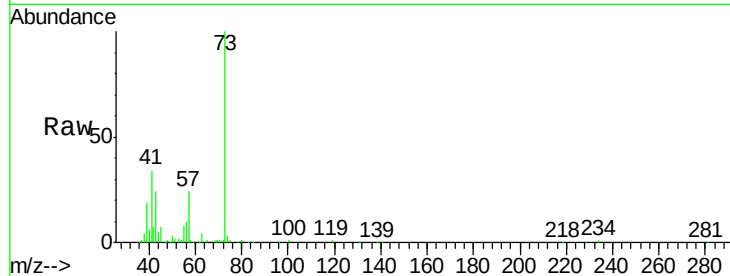


#28

Methyl tert-Butyl Ether
 Concen: 0.322 ppbv
 RT: 5.20 min Scan# 1279
 Delta R.T. -0.00 min
 Lab File: VL032223.D
 Acq: 6 Jul 2018 3:45

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2018

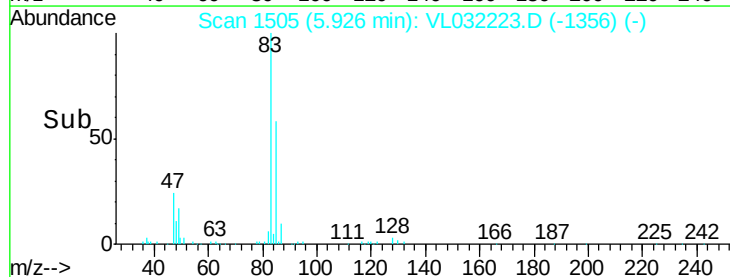
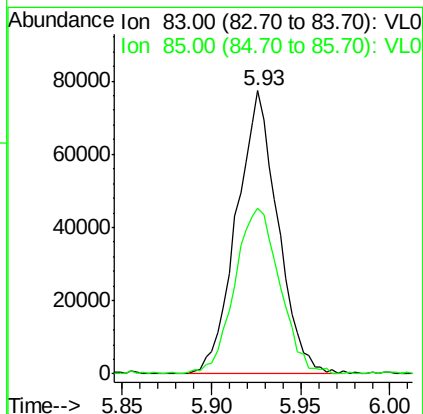
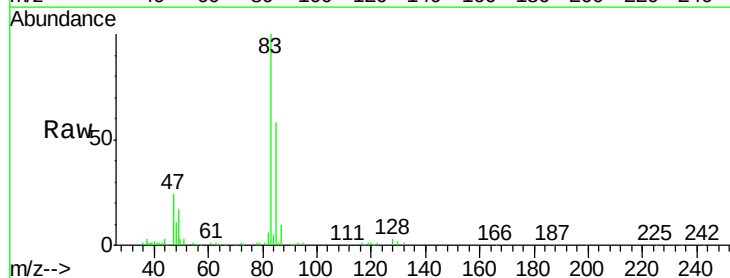
Tgt Ion: 73 Resp: 102374
 Ion Ratio Lower Upper
 73 100
 57 23.6 18.6 27.8

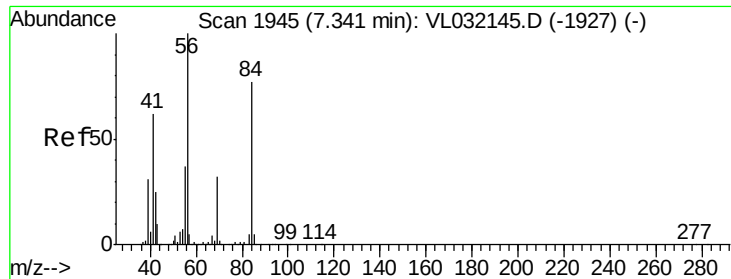


#29

Chloroform
 Concen: 0.476 ppbv
 RT: 5.93 min Scan# 1505
 Delta R.T. -0.02 min
 Lab File: VL032223.D
 Acq: 6 Jul 2018 3:45

Tgt Ion: 83 Resp: 124862
 Ion Ratio Lower Upper
 83 100
 85 58.0 51.6 77.4

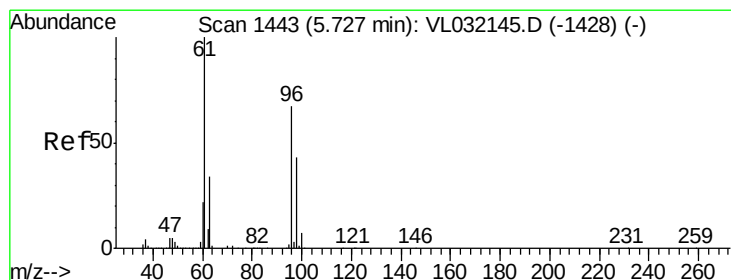
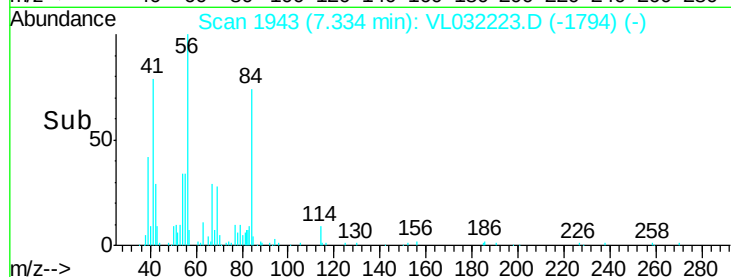
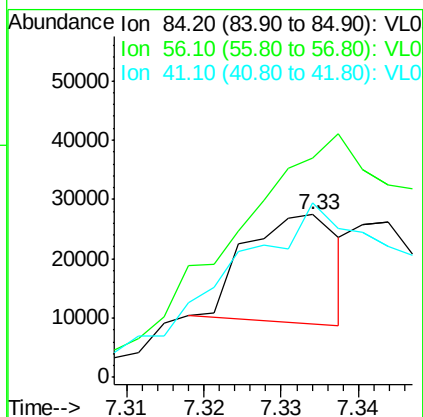
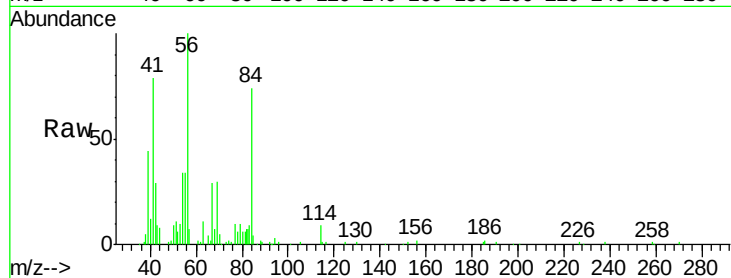




#30
Cyclohexane
Concen: 0.088 ppbv
RT: 7.33 min Scan# 1943
Delta R.T. -0.02 min
Lab File: VL032223.D
Acq: 6 Jul 2018 3:45

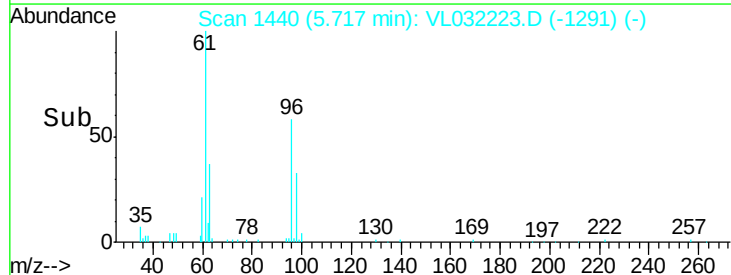
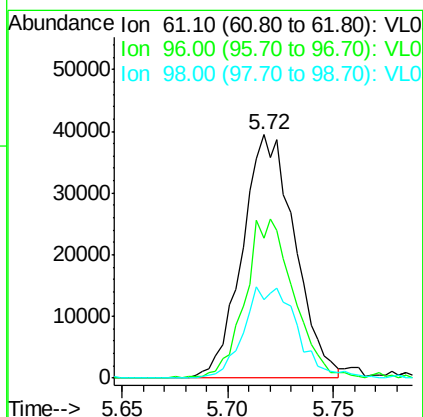
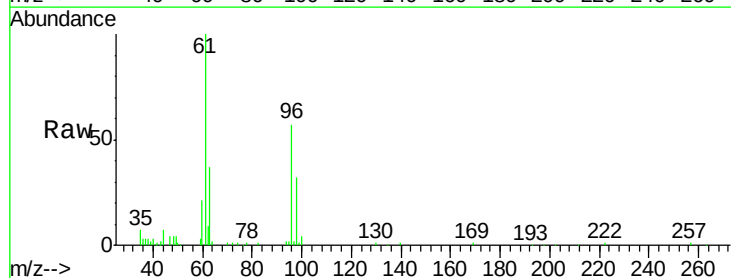
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2018

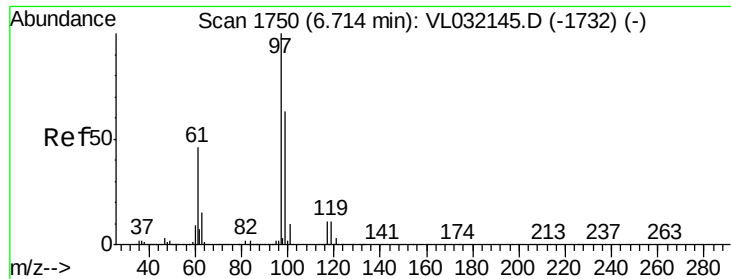
Tgt Ion: 84 Resp: 14951
Ion Ratio Lower Upper
84 100
56 465.9 109.1 163.7#
41 384.7 64.6 96.8#



#31
cis-1,2-Dichloroethene
Concen: 0.380 ppbv
RT: 5.72 min Scan# 1440
Delta R.T. -0.02 min
Lab File: VL032223.D
Acq: 6 Jul 2018 3:45

Tgt Ion: 61 Resp: 68418
Ion Ratio Lower Upper
61 100
96 56.9 54.2 81.4
98 33.1 34.6 52.0#





#32

1,1,1-Trichloroethane

Concen: 0.432 ppbv

RT: 6.71 min Scan# 1748

Delta R.T. -0.02 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2018

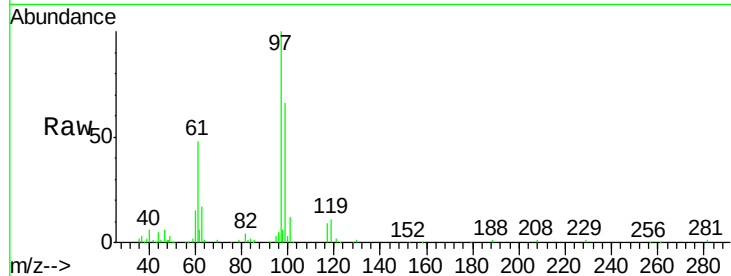
Tgt Ion: 97 Resp: 118643

Ion Ratio Lower Upper

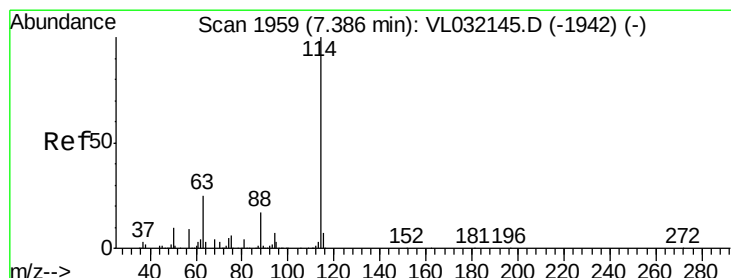
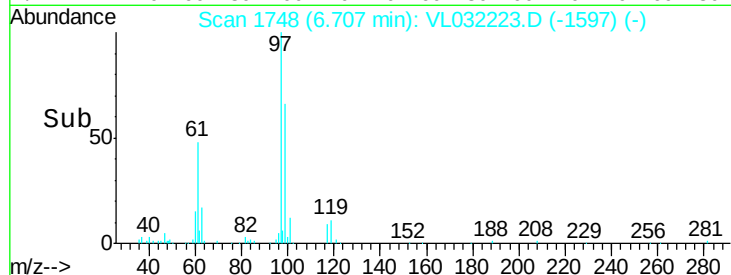
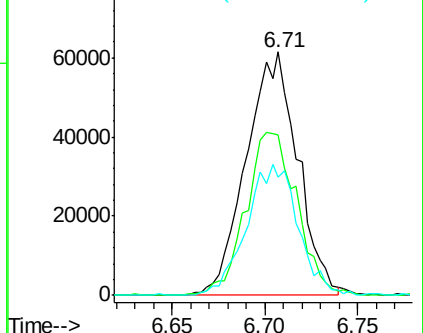
97 100

99 66.8 51.3 76.9

61 54.4 38.4 57.6



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: 7.38 min Scan# 1956

Delta R.T. -0.02 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

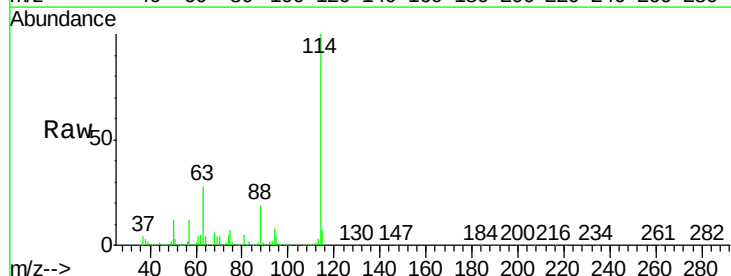
Tgt Ion: 114 Resp: 4046727

Ion Ratio Lower Upper

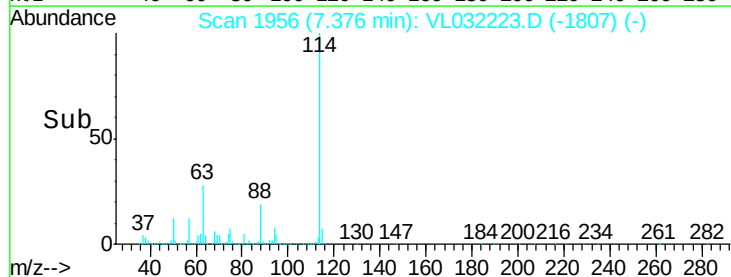
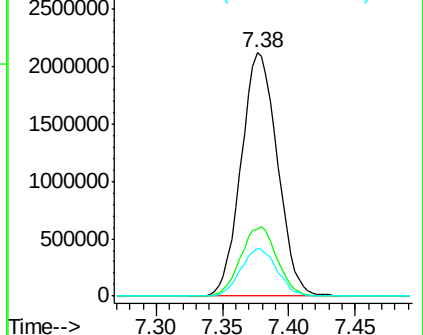
114 100

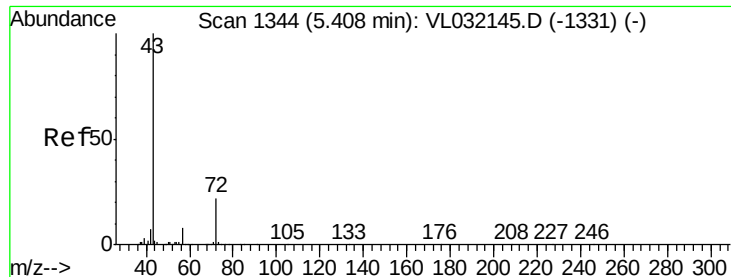
63 28.6 19.1 28.7

88 19.5 13.9 20.9



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

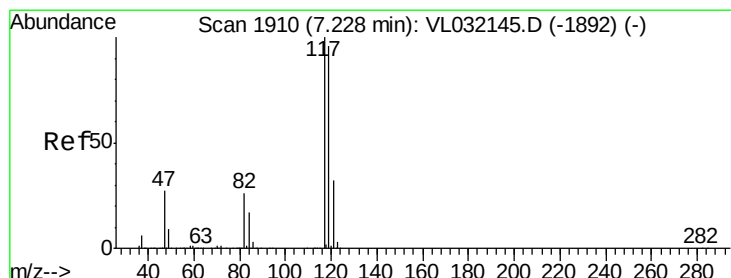
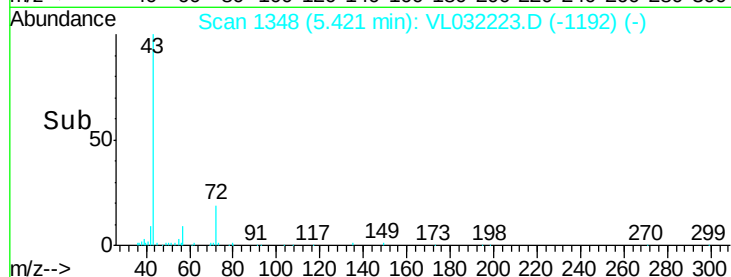
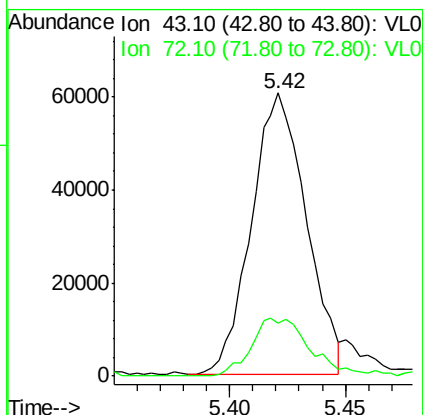
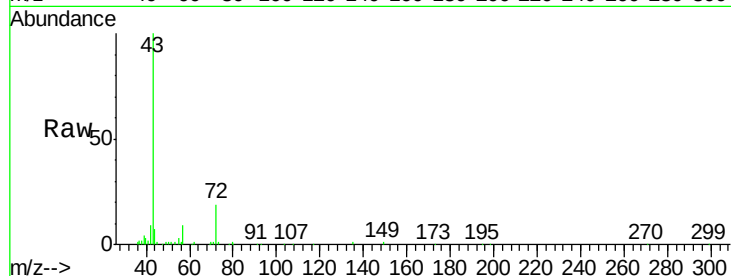




#34
2-Butanone
Concen: 0.388 ppbv
RT: 5.42 min Scan# 1348
Delta R.T. 0.00 min
Lab File: VL032223.D
Acq: 6 Jul 2018 3:45

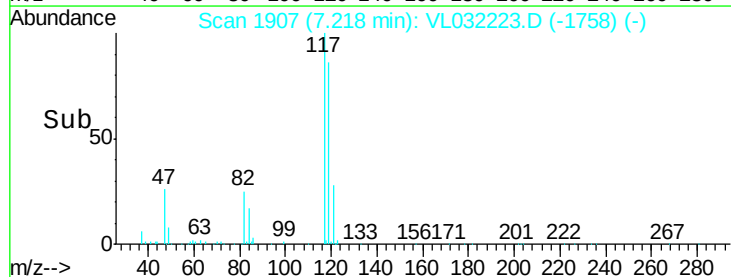
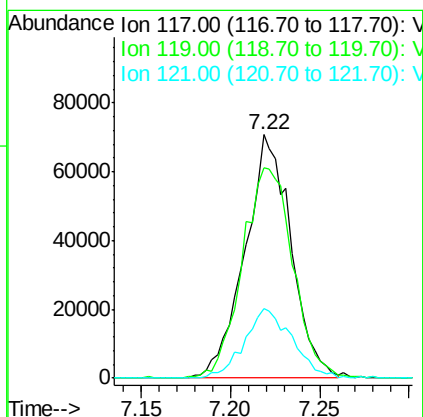
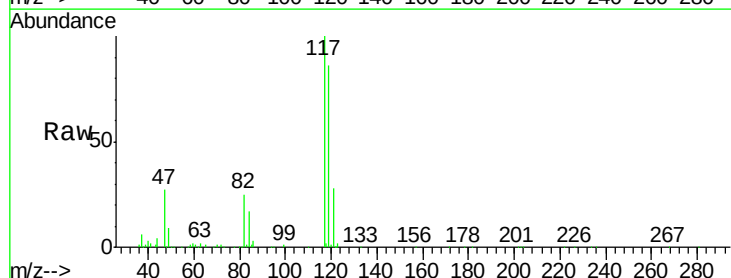
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2018

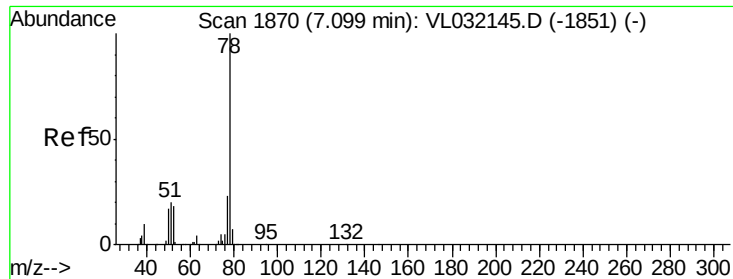
Tgt Ion: 43 Resp: 99768
Ion Ratio Lower Upper
43 100
72 23.0 18.4 27.6



#35
Carbon Tetrachloride
Concen: 0.460 ppbv
RT: 7.22 min Scan# 1907
Delta R.T. -0.02 min
Lab File: VL032223.D
Acq: 6 Jul 2018 3:45

Tgt Ion: 117 Resp: 127289
Ion Ratio Lower Upper
117 100
119 85.7 74.8 112.2
121 28.6 24.0 36.0





#36

Benzene

Concen: 0.409 ppbv

RT: 7.10 min Scan# 1869

Delta R.T. -0.02 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2018

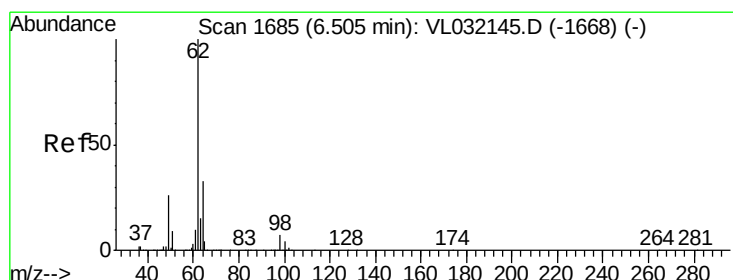
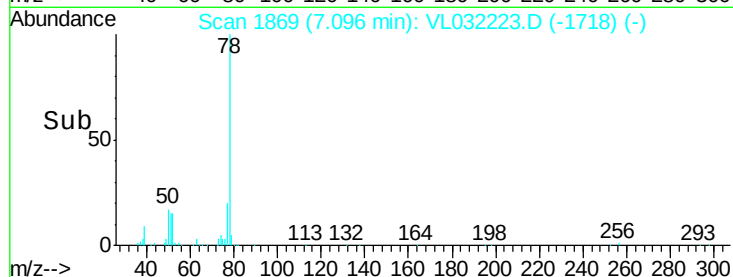
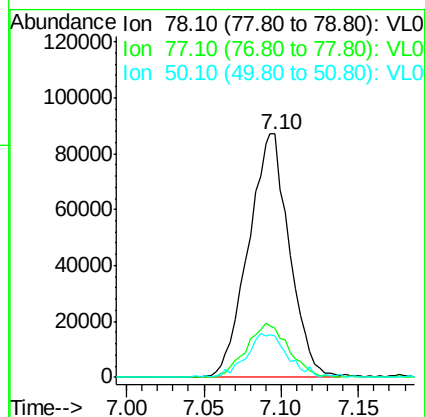
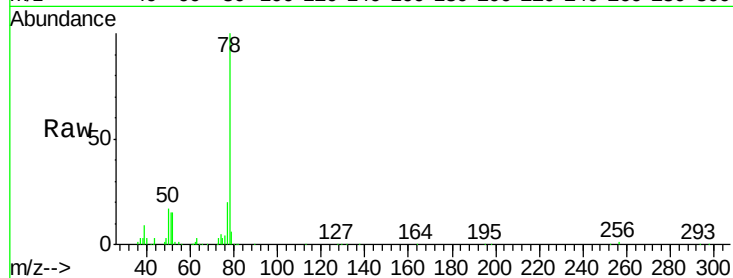
Tgt Ion: 78 Resp: 160330

Ion Ratio Lower Upper

78 100

77 19.7 17.7 26.5

50 16.8 14.0 21.0



#37

1,2-Dichloroethane

Concen: 0.548 ppbv

RT: 6.49 min Scan# 1682

Delta R.T. -0.02 min

Lab File: VL032223.D

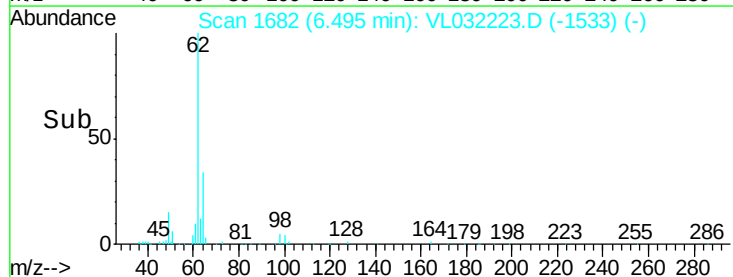
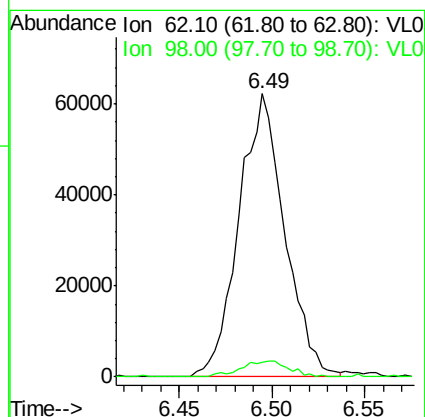
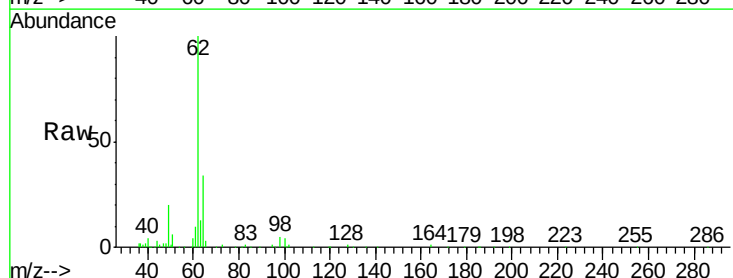
Acq: 6 Jul 2018 3:45

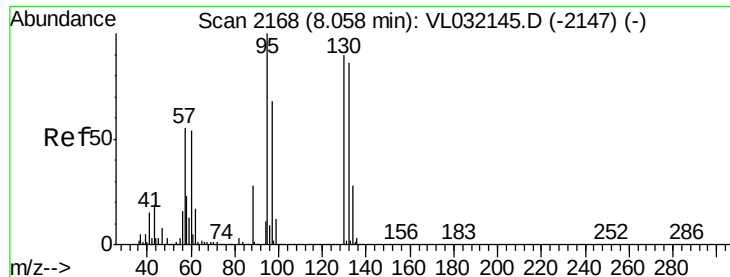
Tgt Ion: 62 Resp: 106911

Ion Ratio Lower Upper

62 100

98 6.0 5.8 8.6





#38

Trichloroethene

Concen: 0.403 ppbv

RT: 8.05 min Scan# 2165

Delta R.T. -0.02 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2018

Tgt Ion:130 Resp: 61594

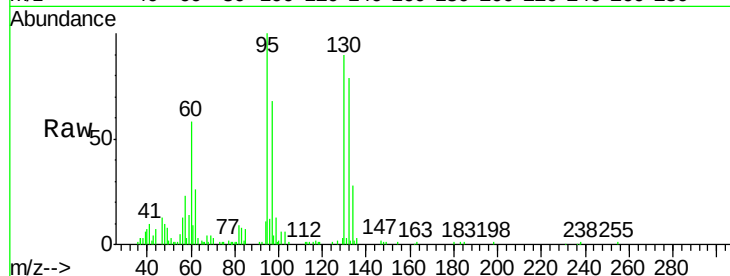
Ion Ratio Lower Upper

130 100

95 108.4 88.1 132.1

132 86.8 74.6 112.0

97 73.1 58.6 88.0

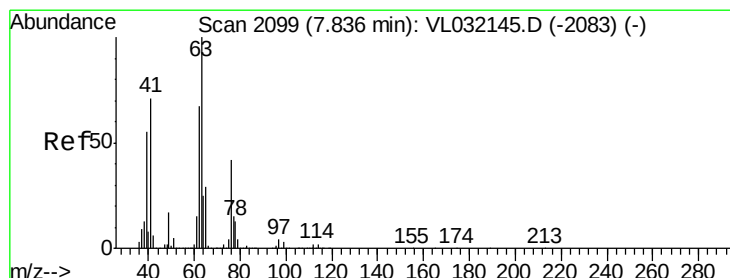
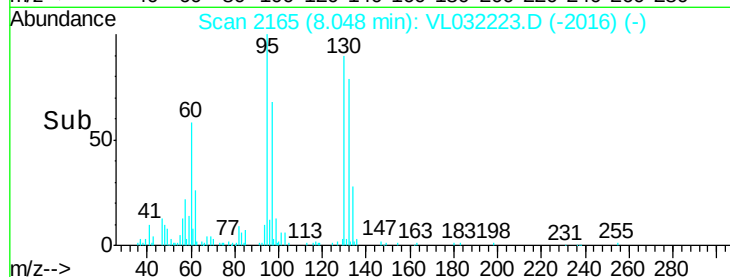
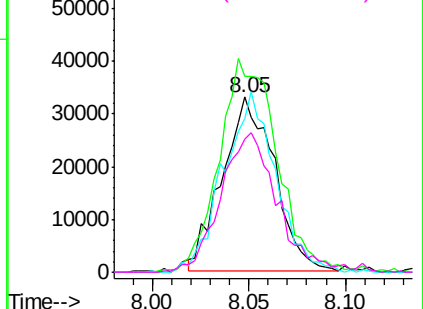


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 0.171 ppbv

RT: 7.83 min Scan# 2097

Delta R.T. -0.02 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

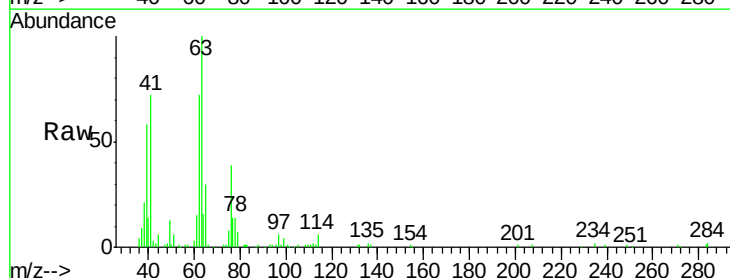
Tgt Ion: 63 Resp: 26424

Ion Ratio Lower Upper

63 100

41 68.5 53.3 79.9

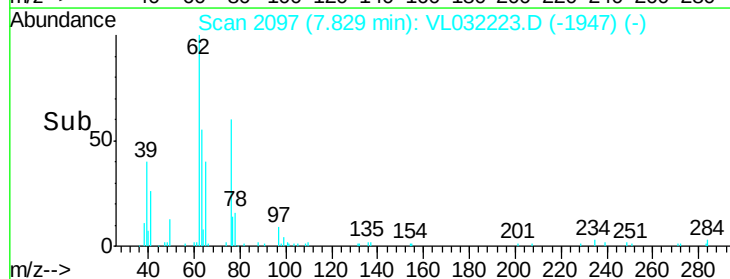
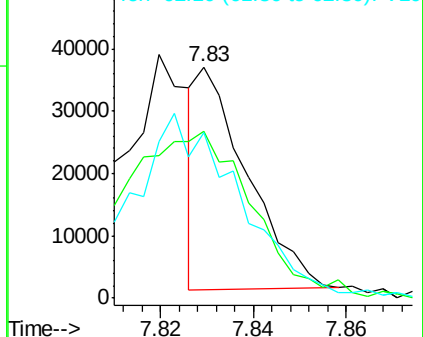
62 74.3 54.8 82.2

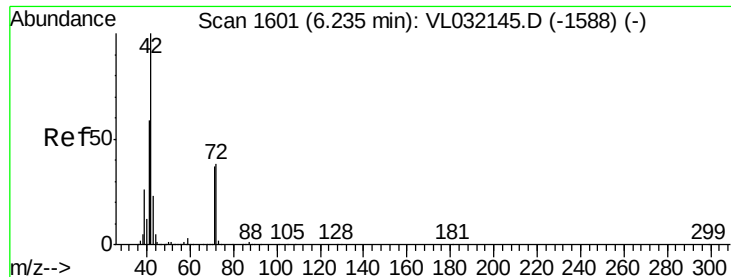


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

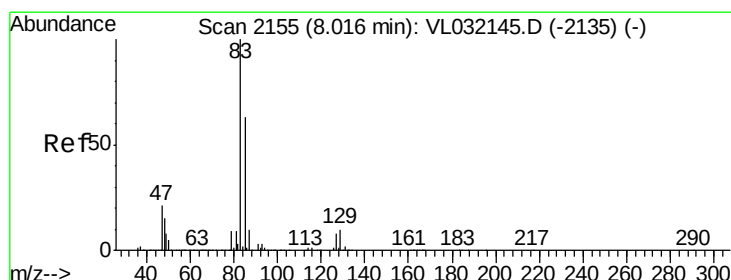
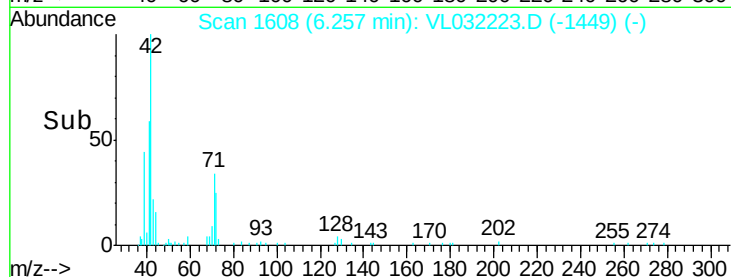
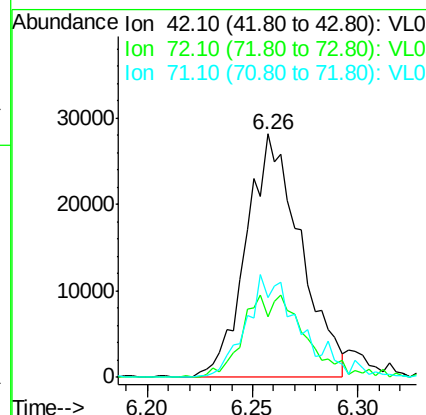
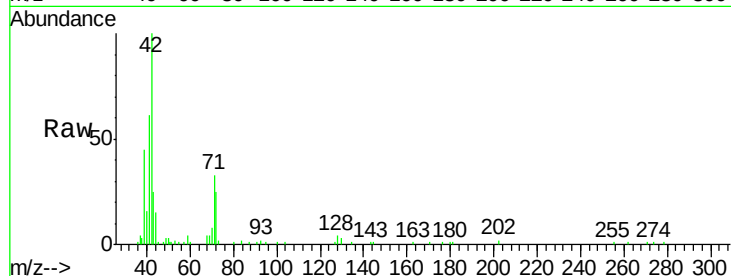




#41
Tetrahydrofuran
Concen: 0.328 ppbv
RT: 6.26 min Scan# 1608
Delta R.T. 0.01 min
Lab File: VL032223.D
Acq: 6 Jul 2018 3:45

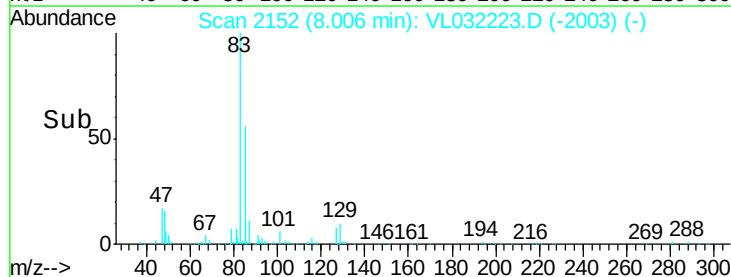
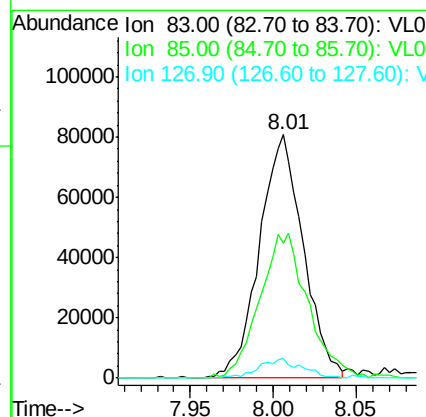
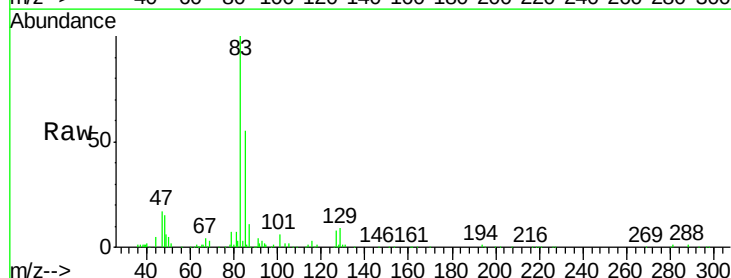
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2018

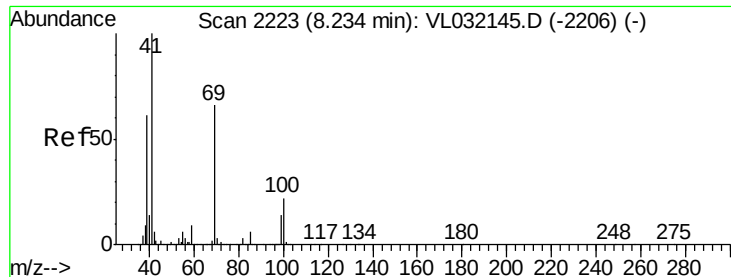
Tgt Ion: 42 Resp: 50537
Ion Ratio Lower Upper
42 100
72 39.2 31.1 46.7
71 42.9 29.5 44.3



#42
Bromodichloromethane
Concen: 0.487 ppbv
RT: 8.01 min Scan# 2152
Delta R.T. -0.02 min
Lab File: VL032223.D
Acq: 6 Jul 2018 3:45

Tgt Ion: 83 Resp: 148841
Ion Ratio Lower Upper
83 100
85 55.1 52.6 79.0
127 8.1 6.5 9.7

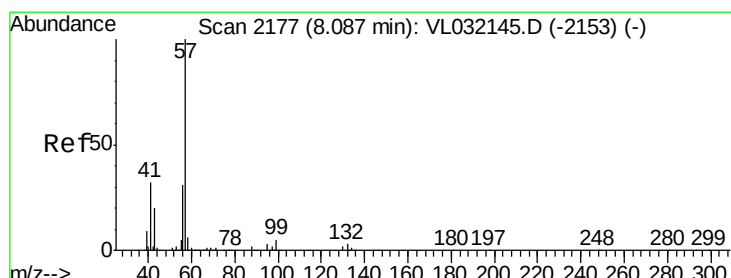
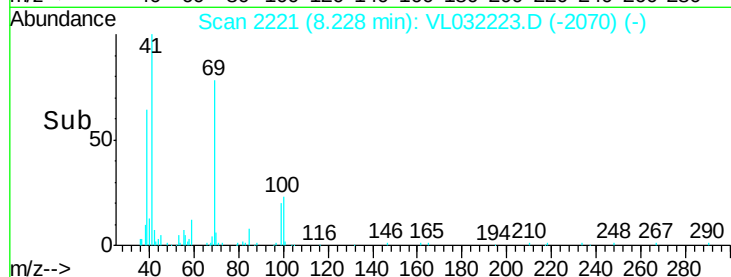
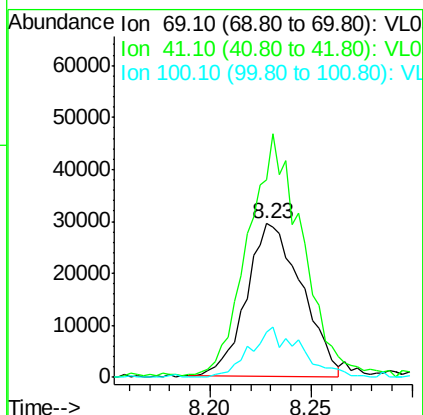
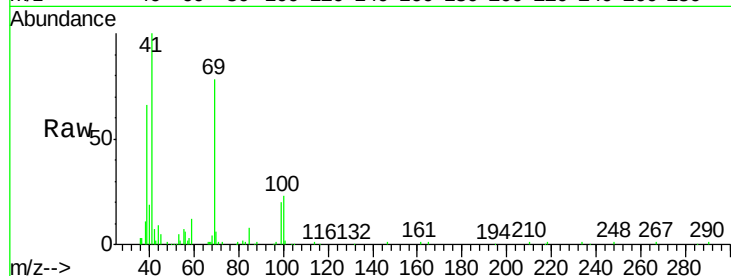




#43
Methyl Methacrylate
Concen: 0.345 ppbv
RT: 8.23 min Scan# 2221
Delta R.T. -0.02 min
Lab File: VL032223.D
Acq: 6 Jul 2018 3:45

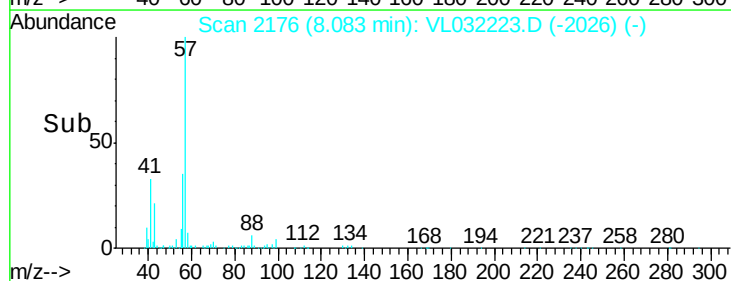
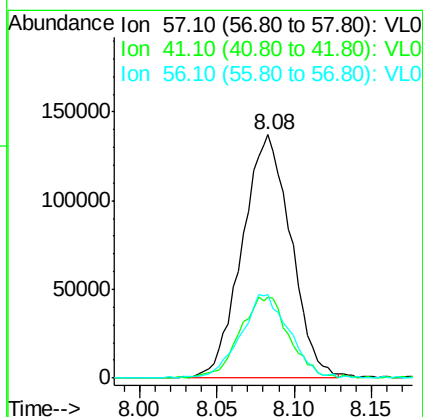
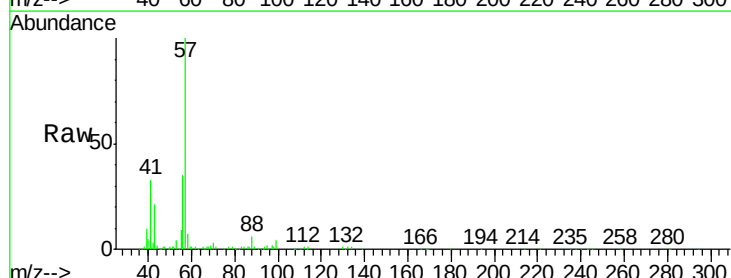
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2018

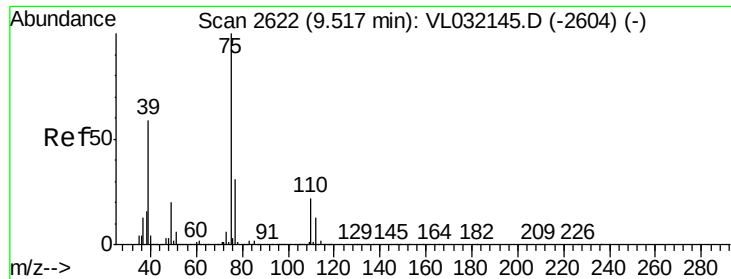
Tgt Ion: 69 Resp: 56045
Ion Ratio Lower Upper
69 100
41 161.0 118.2 177.4
100 30.6 27.4 41.2



#44
2,2,4-Trimethylpentane
Concen: 0.435 ppbv
RT: 8.08 min Scan# 2176
Delta R.T. -0.02 min
Lab File: VL032223.D
Acq: 6 Jul 2018 3:45

Tgt Ion: 57 Resp: 297848
Ion Ratio Lower Upper
57 100
41 34.5 24.3 36.5
56 34.9 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 0.140 ppbv

RT: 9.50 min Scan# 2618

Delta R.T. -0.02 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

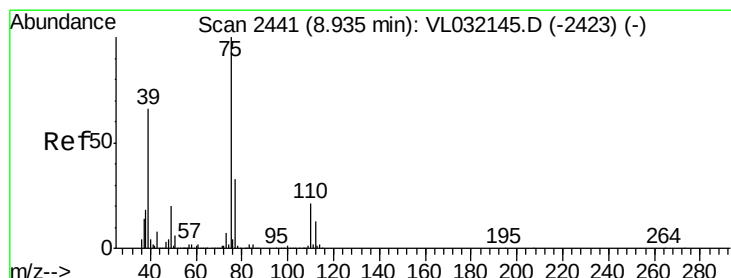
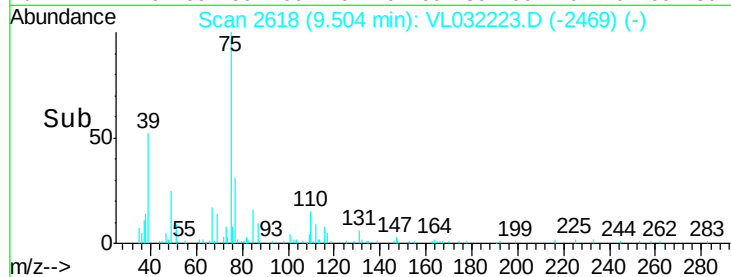
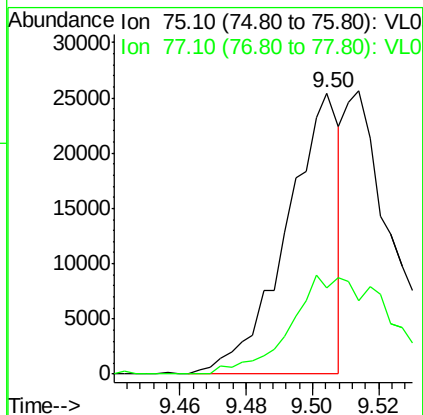
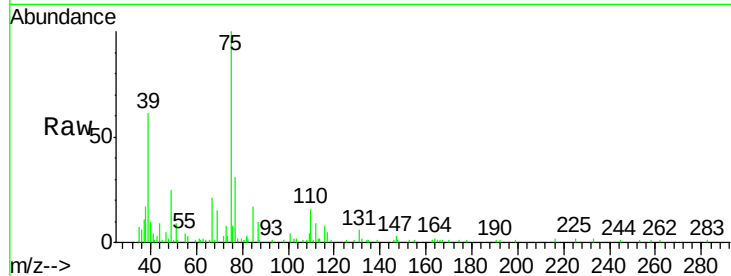
MDL-AIR-03-QT3-2018

Tgt Ion: 75 Resp: 28193

Ion Ratio Lower Upper

75 100

77 30.7 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 0.054 ppbv

RT: 8.91 min Scan# 2433

Delta R.T. -0.04 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

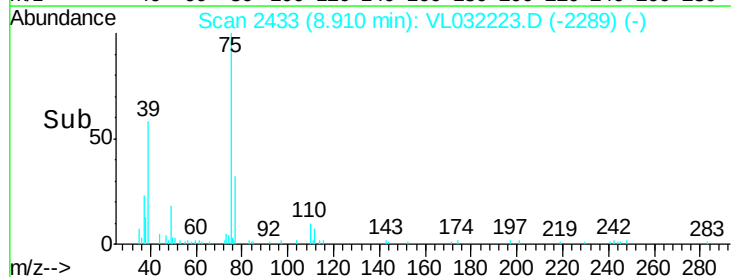
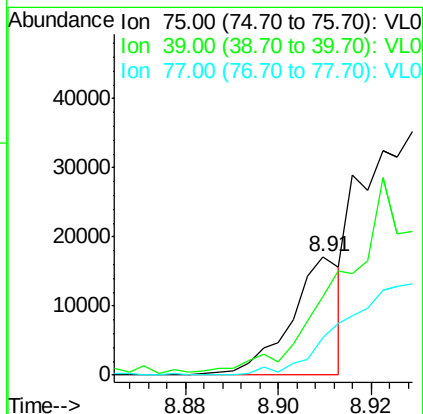
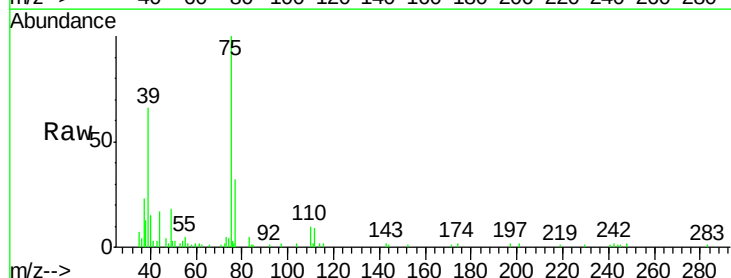
Tgt Ion: 75 Resp: 12935

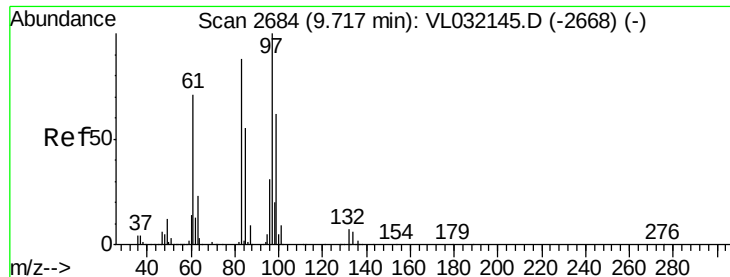
Ion Ratio Lower Upper

75 100

39 64.0 51.9 77.9

77 32.2 24.3 36.5

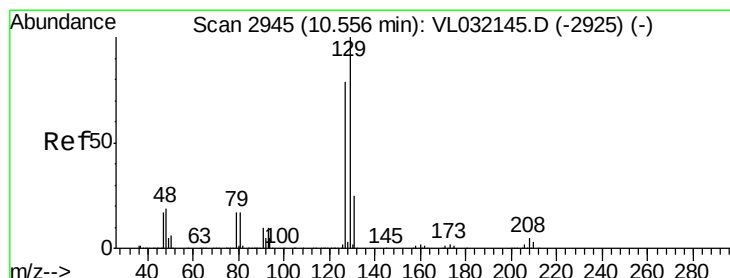
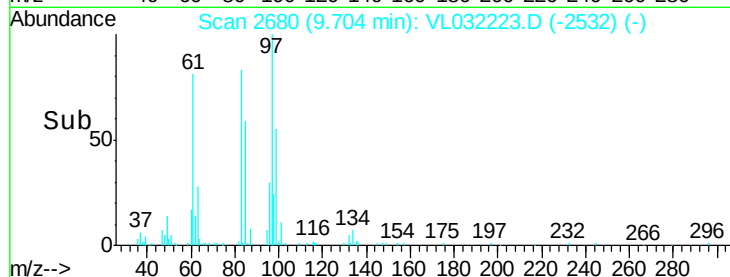
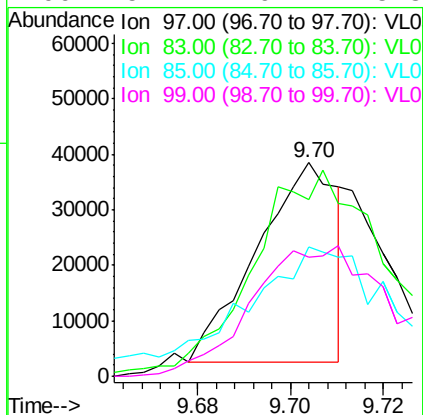
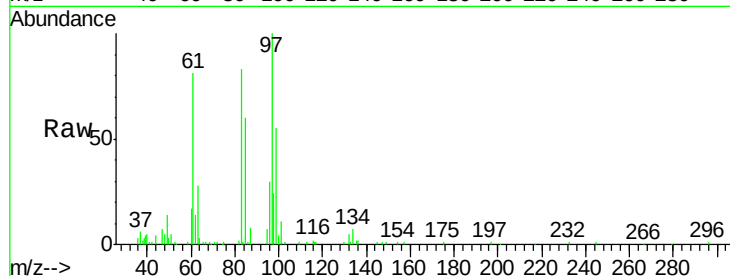




#47
 1,1,2-Trichloroethane
 Concen: 0.270 ppbv
 RT: 9.70 min Scan# 2680
 Delta R.T. -0.03 min
 Lab File: VL032223.D
 Acq: 6 Jul 2018 3:45

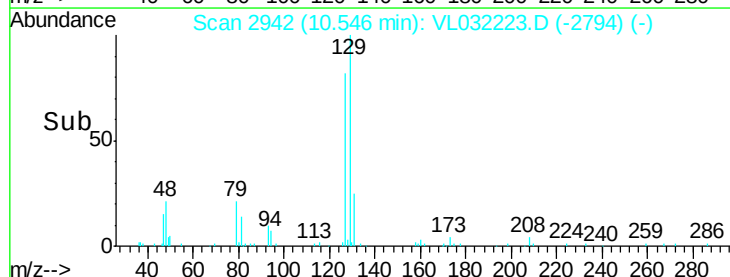
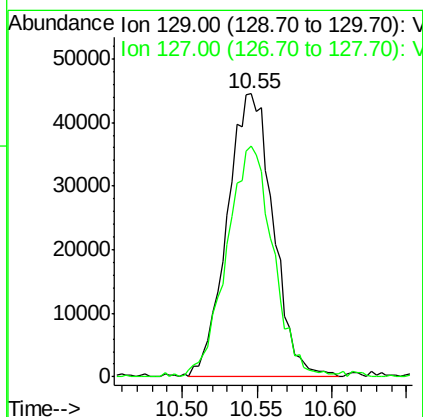
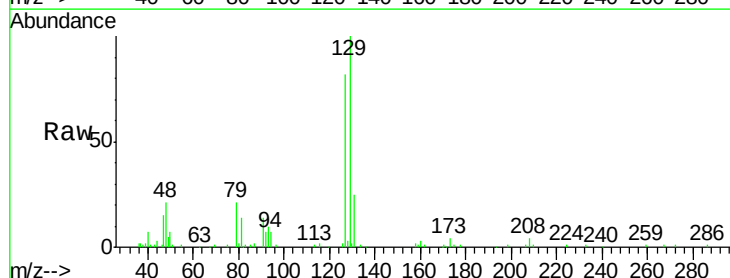
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2018

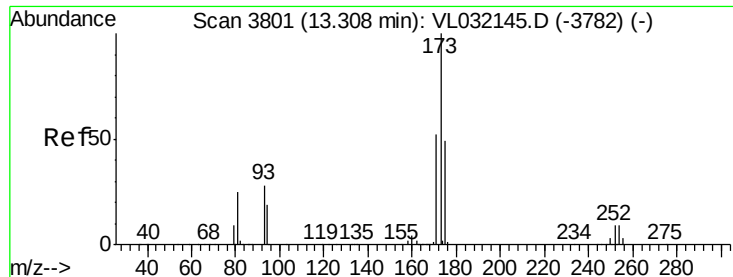
Tgt Ion:	97	Resp:	43396
Ion	Ratio	Lower	Upper
97	100		
83	75.7	71.0	106.4
85	46.5	44.2	66.4
99	51.7	49.2	73.8



#48
 Dibromochloromethane
 Concen: 0.384 ppbv
 RT: 10.55 min Scan# 2942
 Delta R.T. -0.03 min
 Lab File: VL032223.D
 Acq: 6 Jul 2018 3:45

Tgt Ion:	129	Resp:	95383
Ion	Ratio	Lower	Upper
129	100		
127	82.4	39.1	117.5





#49

Bromoform

Concen: 0.183 ppbv

RT: 13.30 min Scan# 3797

Delta R.T. -0.03 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2018

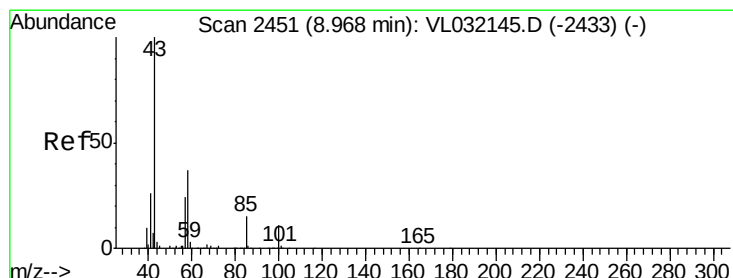
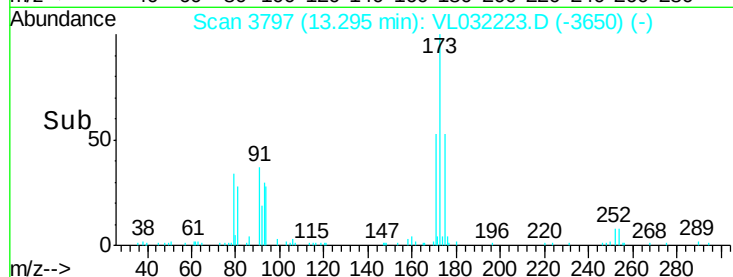
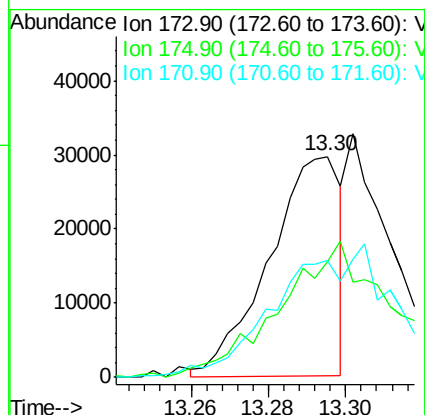
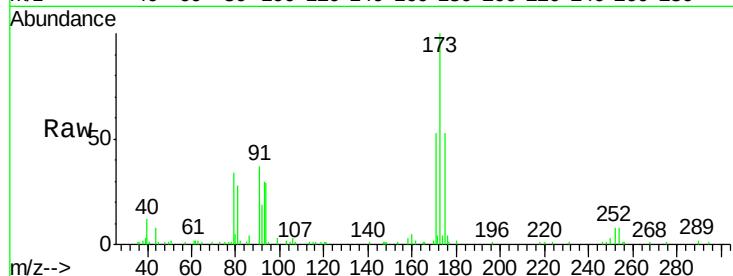
Tgt Ion: 173 Resp: 38129

Ion Ratio Lower Upper

173 100

175 0.0 39.4 59.0#

171 0.0 41.8 62.8#



#50

4-Methyl-2-Pentanone

Concen: 0.401 ppbv

RT: 8.99 min Scan# 2457

Delta R.T. 0.00 min

Lab File: VL032223.D

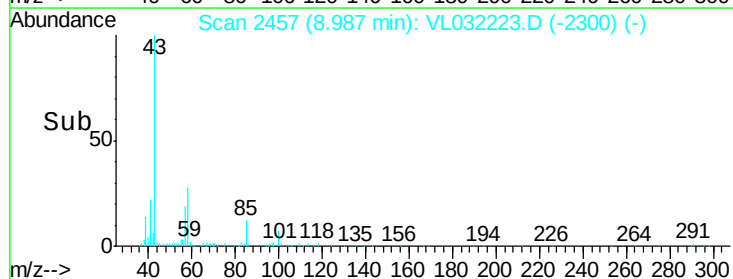
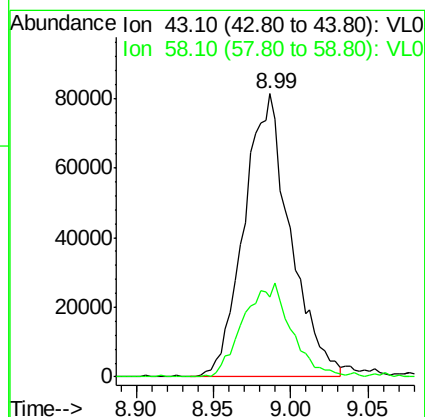
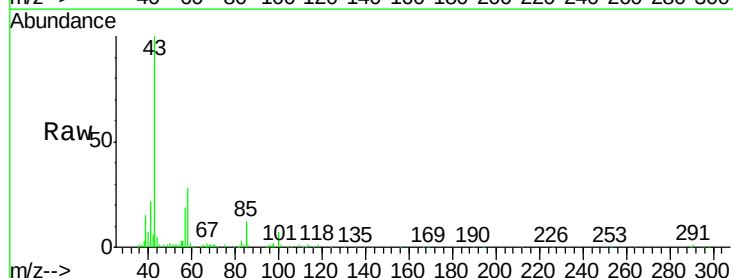
Acq: 6 Jul 2018 3:45

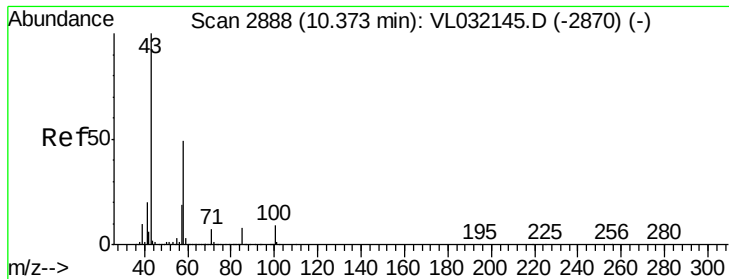
Tgt Ion: 43 Resp: 168811

Ion Ratio Lower Upper

43 100

58 34.8 29.8 44.6





#51

2-Hexanone

Concen: 0.358 ppbv

RT: 10.39 min Scan# 2894

Delta R.T. 0.01 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2018

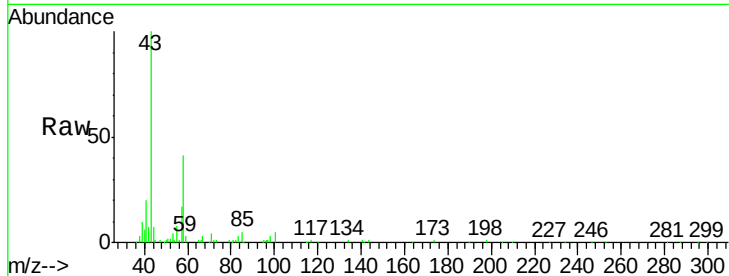
Tgt Ion: 43 Resp: 124701

Ion Ratio Lower Upper

43 100

58 45.9 40.6 60.8

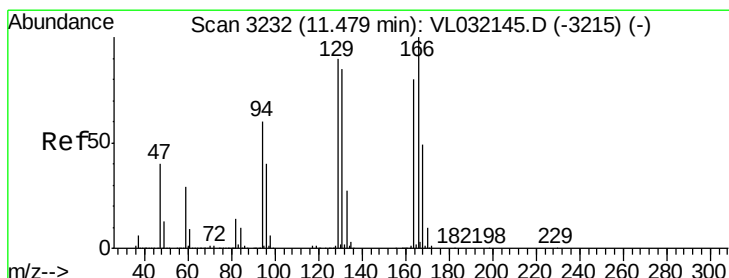
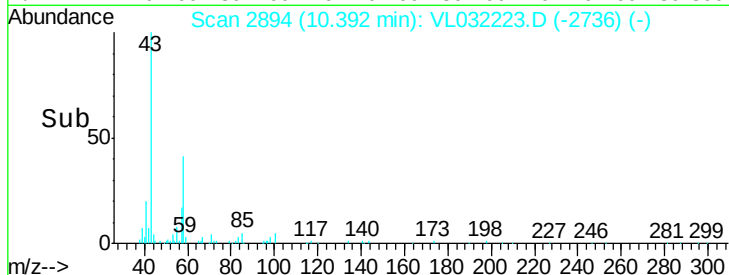
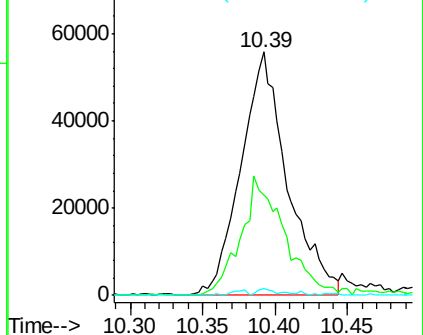
98 2.1 0.1 0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.226 ppbv

RT: 11.47 min Scan# 3228

Delta R.T. -0.03 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Tgt Ion: 164 Resp: 32240

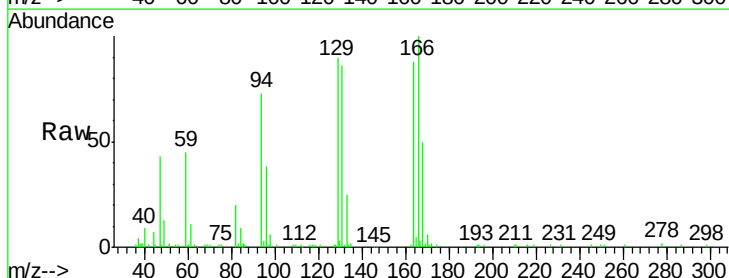
Ion Ratio Lower Upper

164 100

166 111.8 100.6 151.0

129 107.5 84.0 126.0

131 96.2 82.7 124.1

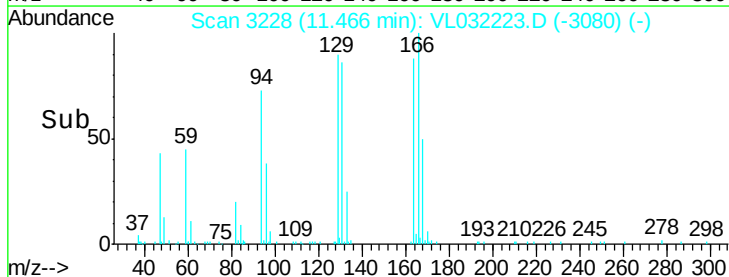
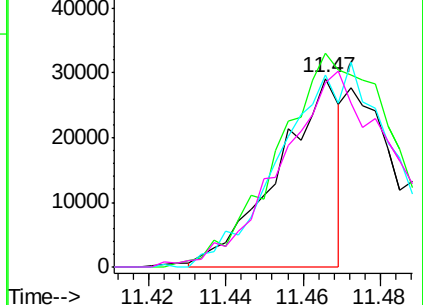


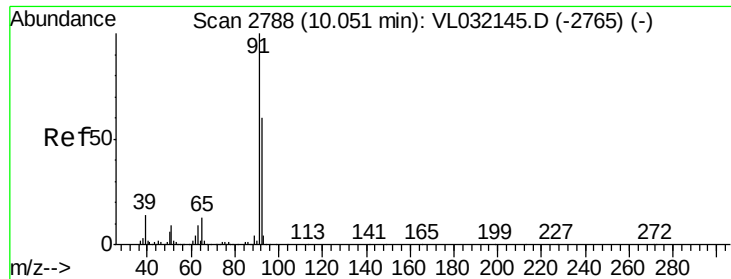
Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.334 ppbv

RT: 10.04 min Scan# 2785

Delta R.T. -0.02 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

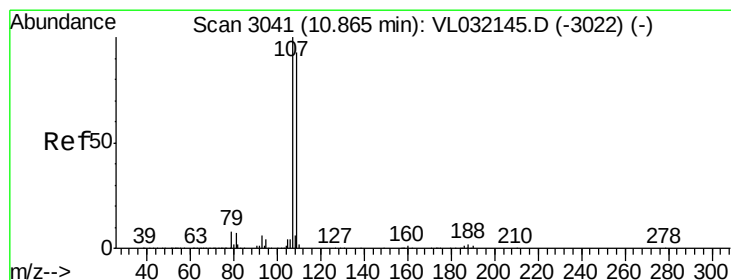
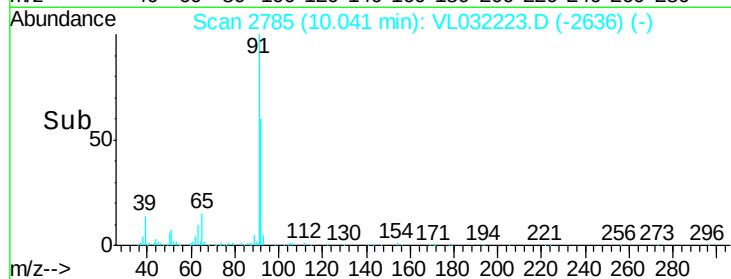
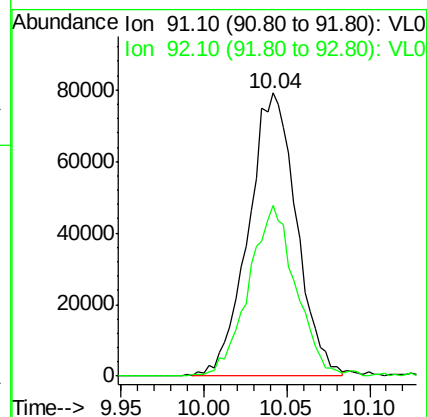
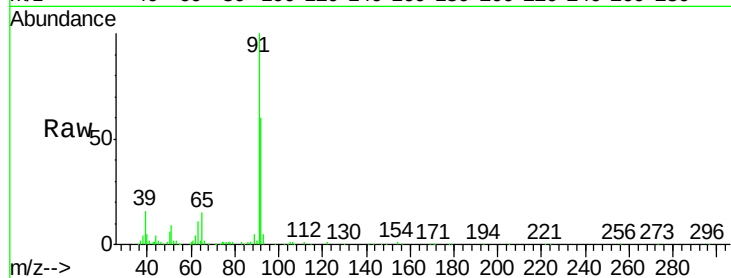
MDL-AIR-03-QT3-2018

Tgt Ion: 91 Resp: 157915

Ion Ratio Lower Upper

91 100

92 60.6 49.2 73.8



#54

1,2-Dibromoethane

Concen: 0.407 ppbv

RT: 10.85 min Scan# 3038

Delta R.T. -0.02 min

Lab File: VL032223.D

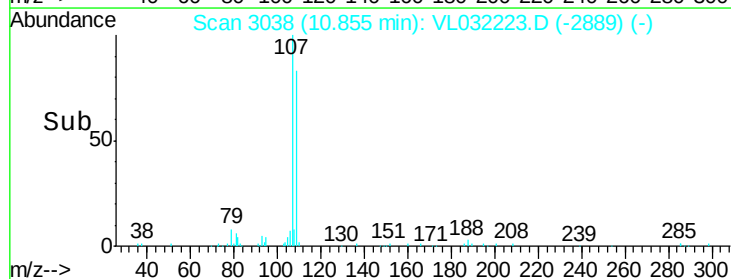
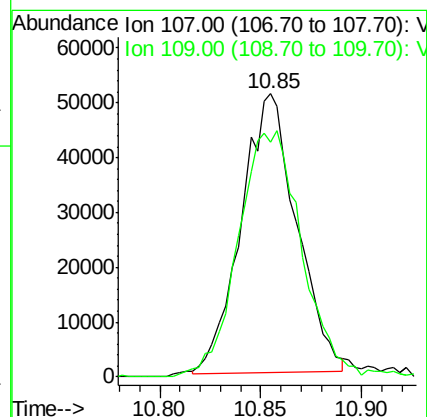
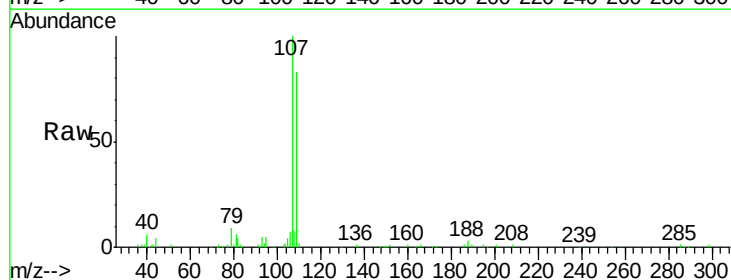
Acq: 6 Jul 2018 3:45

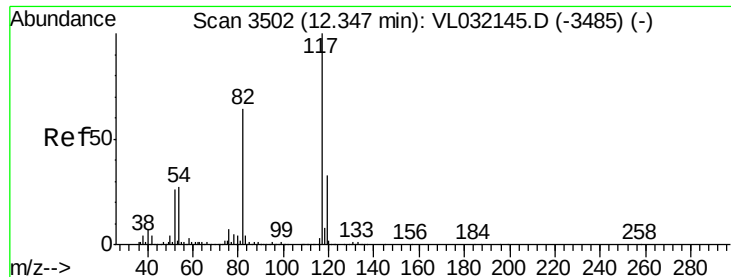
Tgt Ion: 107 Resp: 98287

Ion Ratio Lower Upper

107 100

109 81.6 75.0 112.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.33 min Scan# 3498

Delta R.T. -0.03 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2018

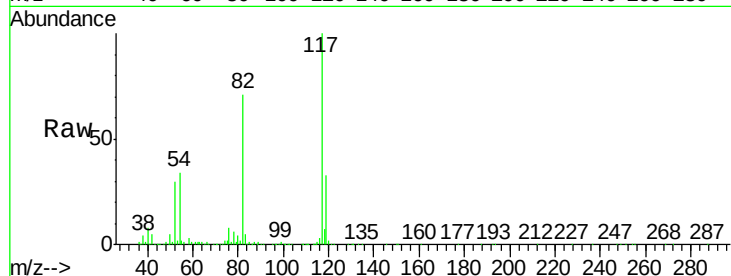
Tgt Ion:117 Resp: 3953362

Ion Ratio Lower Upper

117 100

82 70.2 47.8 71.8

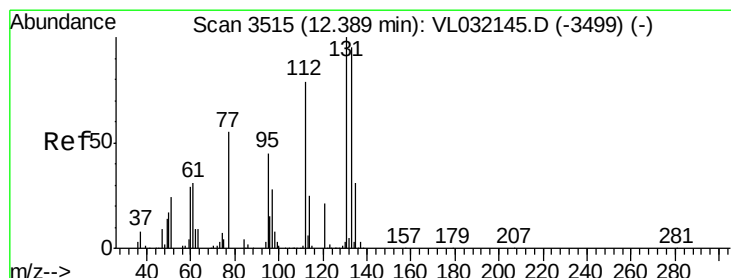
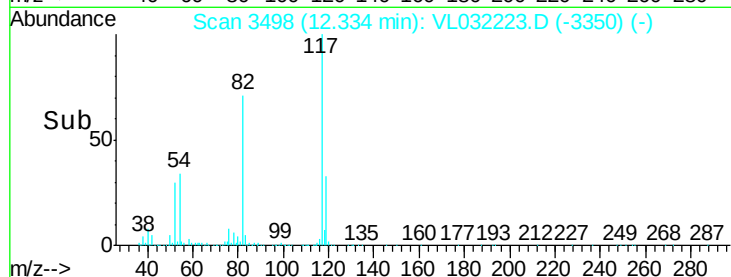
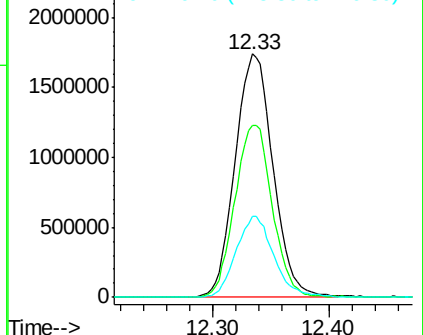
119 33.4 43.3 64.9#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.472 ppbv

RT: 12.38 min Scan# 3511

Delta R.T. -0.03 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

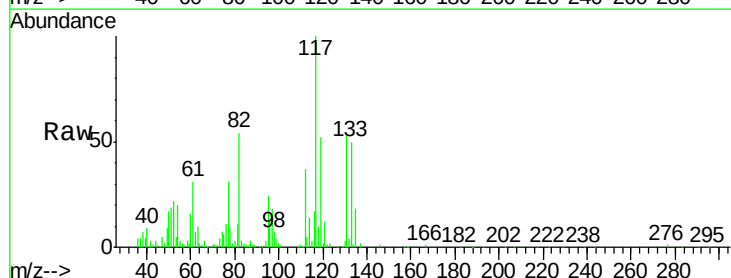
Tgt Ion:131 Resp: 83231

Ion Ratio Lower Upper

131 100

133 97.7 75.5 113.3

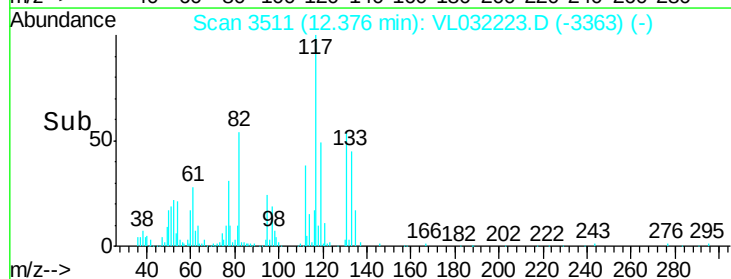
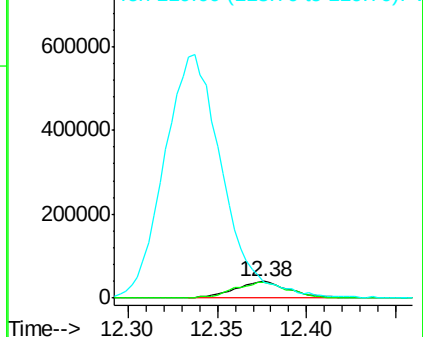
119 1589.5 118.4 177.6#

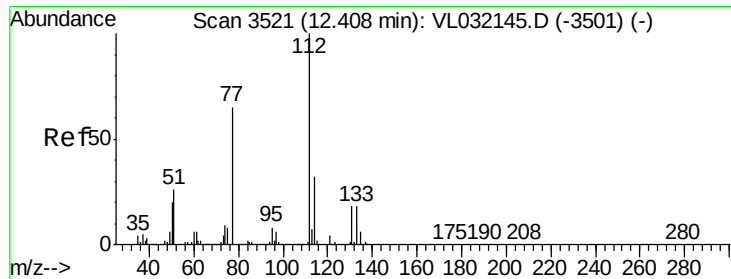


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 0.518 ppbv

RT: 12.40 min Scan# 3518

Delta R.T. -0.02 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2018

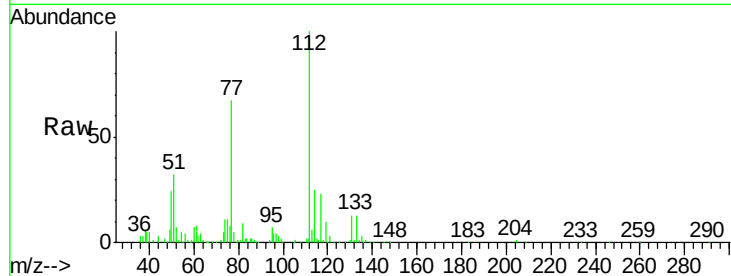
Tgt Ion: 112 Resp: 177304

Ion Ratio Lower Upper

112 100

77 66.1 52.6 78.8

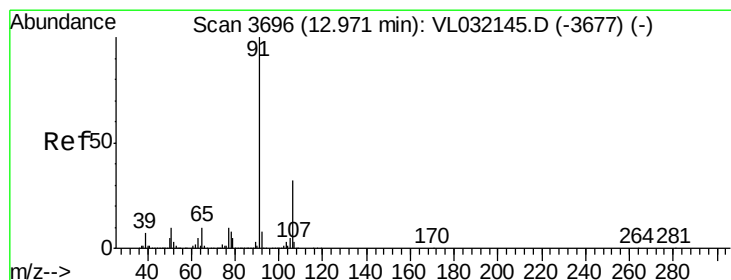
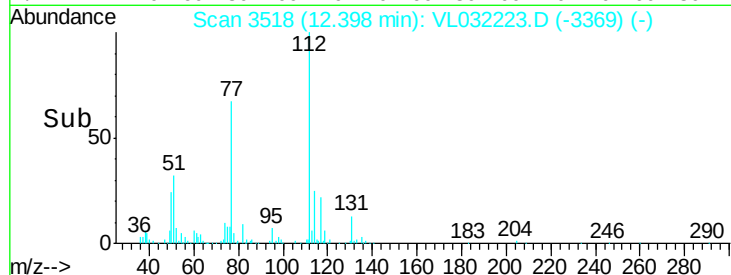
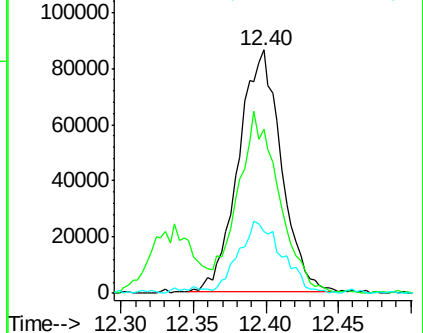
114 25.1 27.9 34.1#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.374 ppbv

RT: 12.96 min Scan# 3694

Delta R.T. -0.02 min

Lab File: VL032223.D

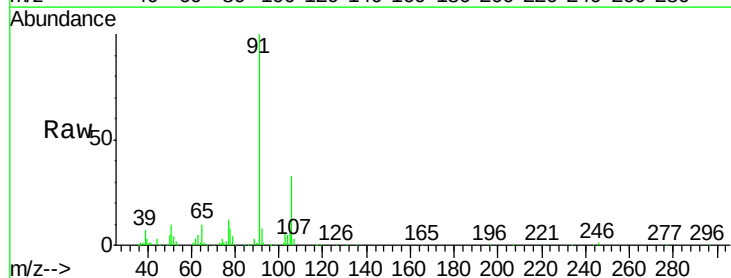
Acq: 6 Jul 2018 3:45

Tgt Ion: 91 Resp: 238250

Ion Ratio Lower Upper

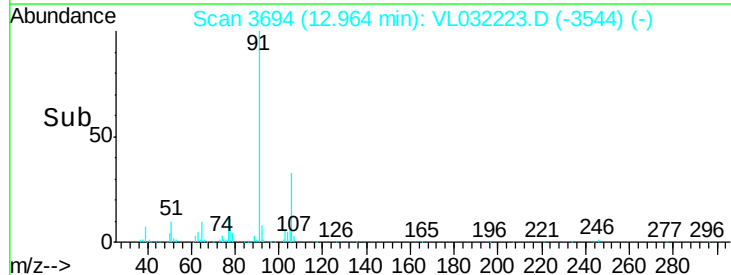
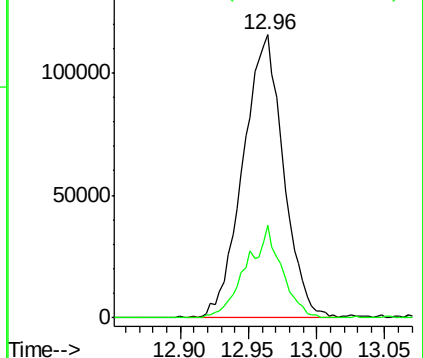
91 100

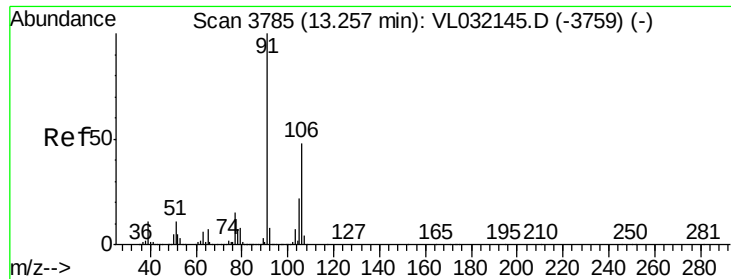
106 32.6 26.5 39.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

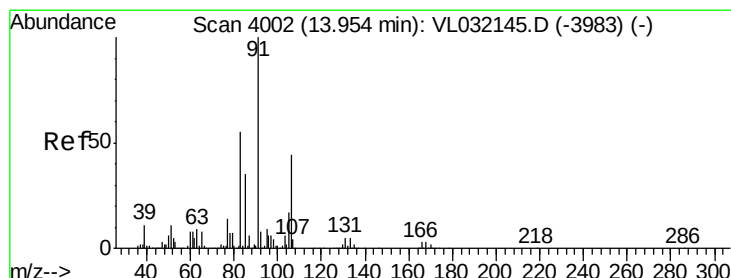
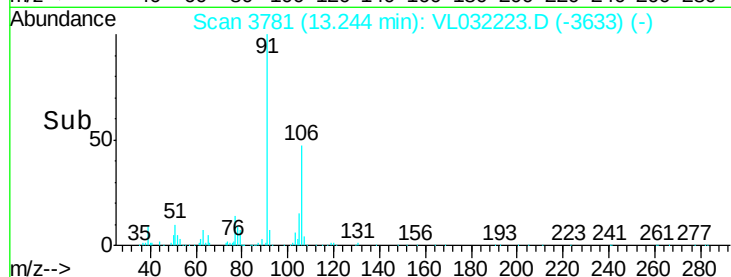
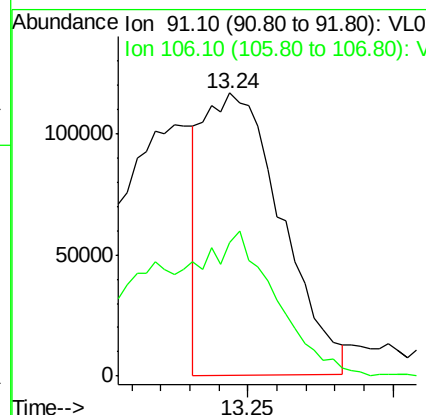
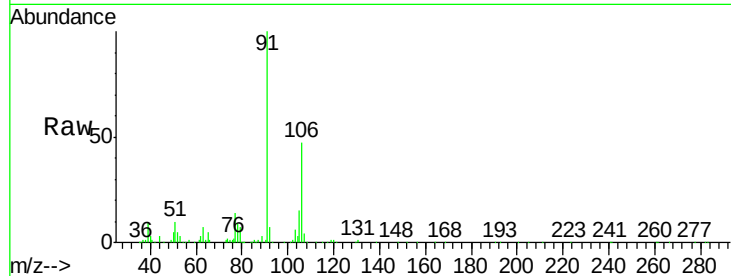




#59
m/p-Xylene
Concen: 0.427 ppbv
RT: 13.24 min Scan# 3781
Delta R.T. -0.03 min
Lab File: VL032223.D
Acq: 6 Jul 2018 3:45

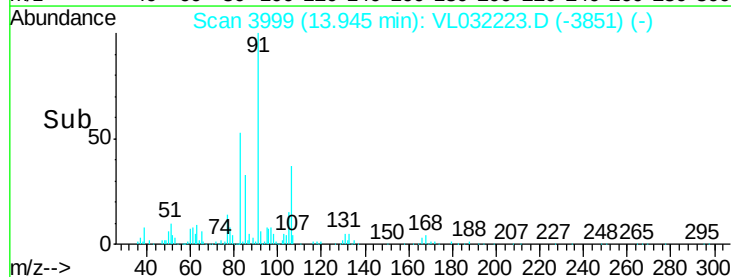
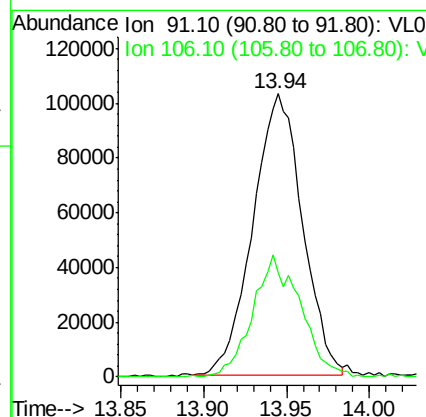
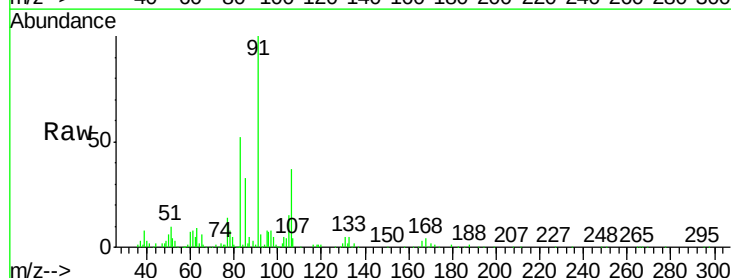
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2018

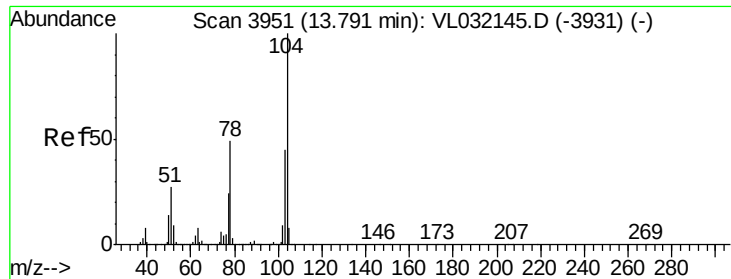
Tgt Ion: 91 Resp: 218148
Ion Ratio Lower Upper
91 100
106 86.9 38.6 58.0#



#60
o-Xylene
Concen: 0.424 ppbv
RT: 13.94 min Scan# 3999
Delta R.T. -0.03 min
Lab File: VL032223.D
Acq: 6 Jul 2018 3:45

Tgt Ion: 91 Resp: 215772
Ion Ratio Lower Upper
91 100
106 41.5 23.3 69.8





#61

Styrene

Concen: 0.137 ppbv

RT: 13.77 min Scan# 3946

Delta R.T. -0.03 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2018

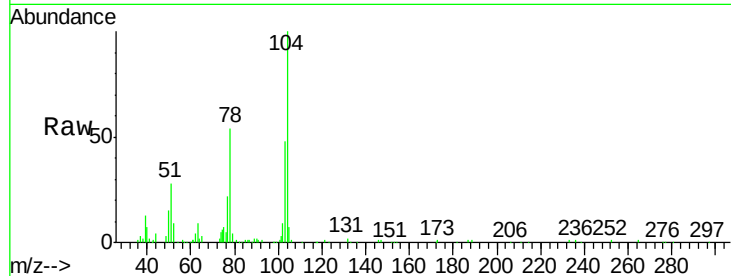
Tgt Ion:104 Resp: 57143

Ion Ratio Lower Upper

104 100

78 0.0 37.9 56.9#

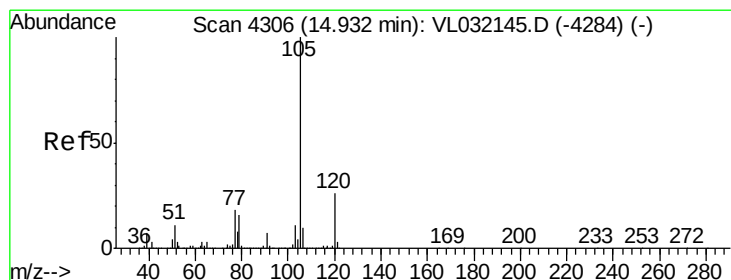
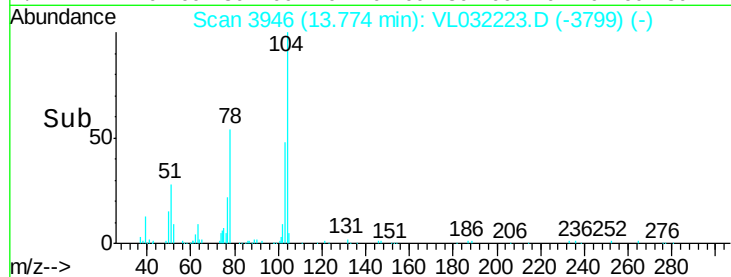
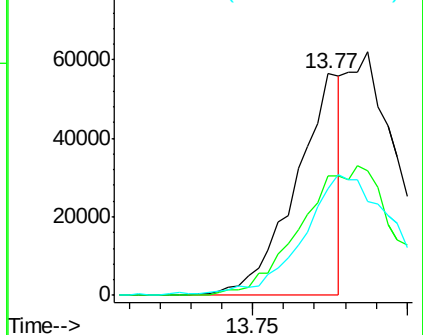
103 111.9 36.6 55.0#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.386 ppbv

RT: 14.92 min Scan# 4303

Delta R.T. -0.03 min

Lab File: VL032223.D

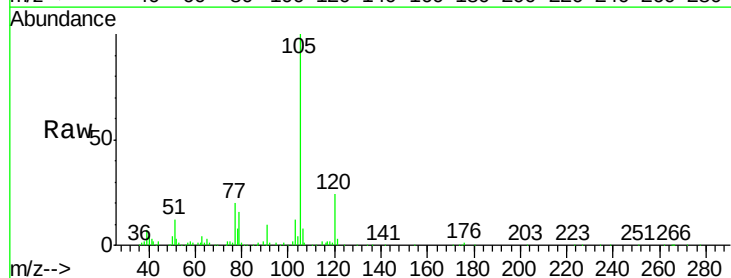
Acq: 6 Jul 2018 3:45

Tgt Ion:105 Resp: 302658

Ion Ratio Lower Upper

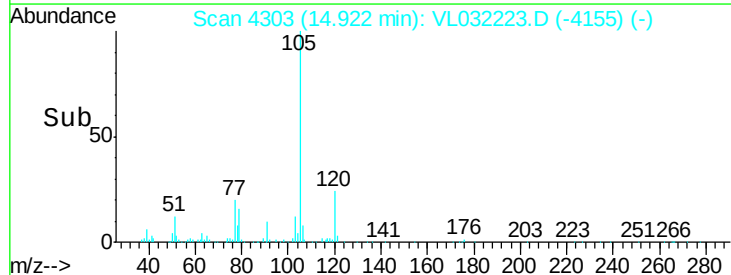
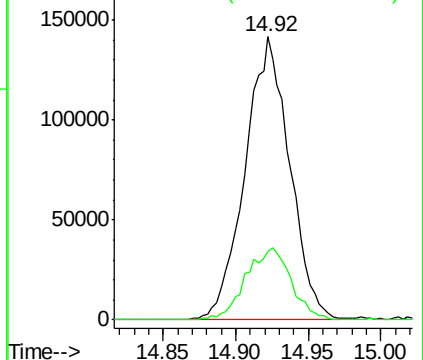
105 100

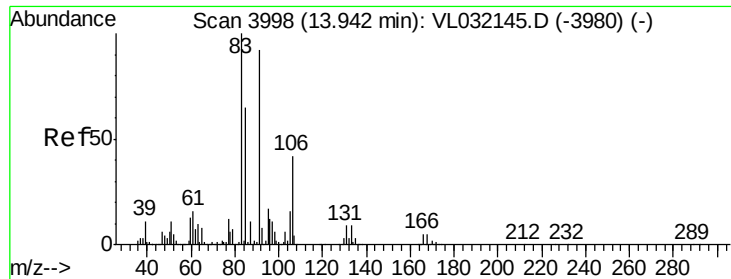
120 25.8 21.0 31.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

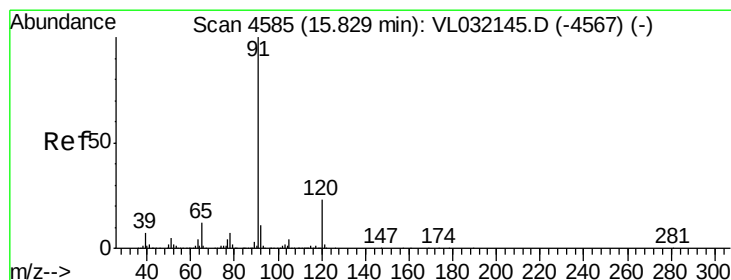
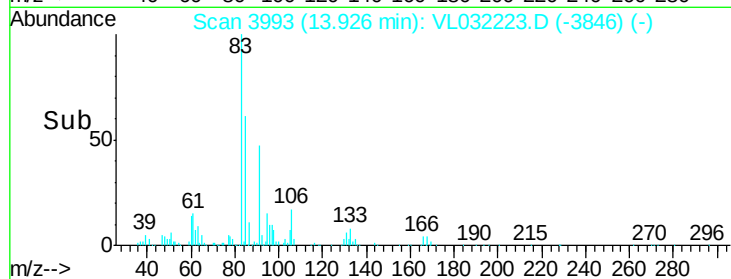
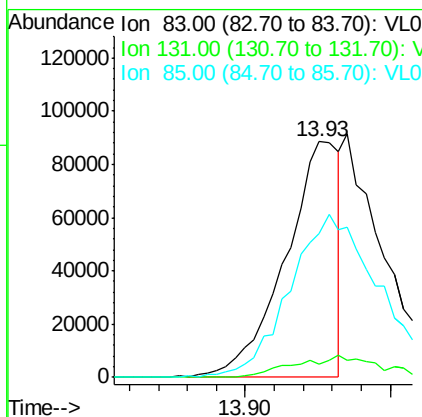
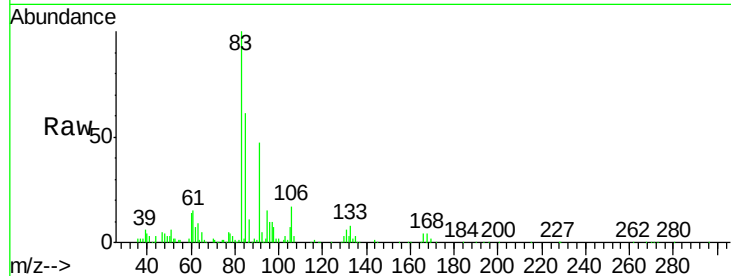




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.291 ppbv
 RT: 13.93 min Scan# 3993
 Delta R.T. -0.03 min
 Lab File: VL032223.D
 Acq: 6 Jul 2018 3:45

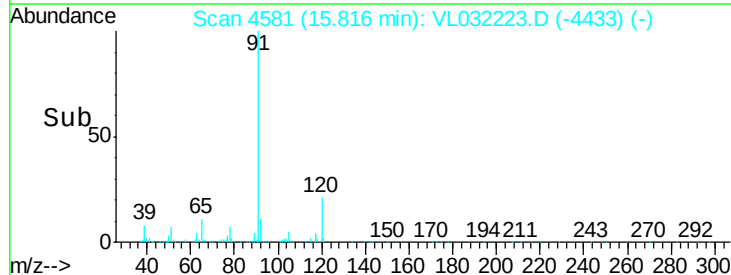
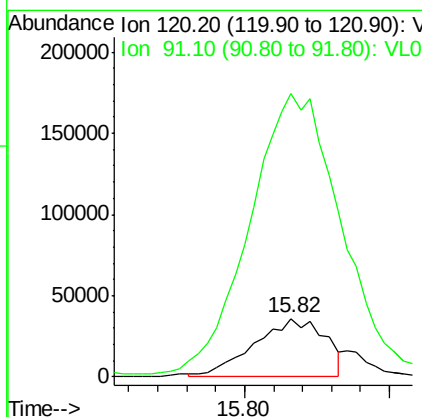
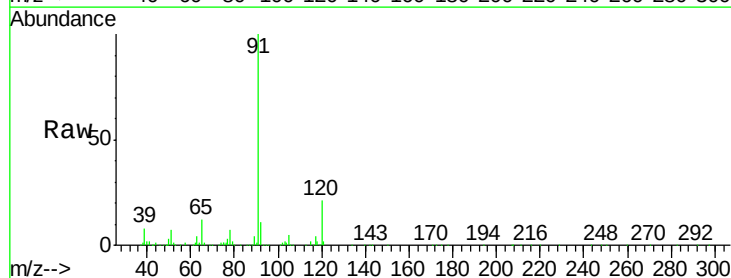
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2018

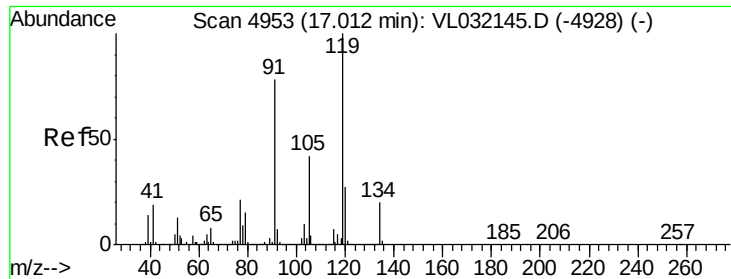
Tgt Ion: 83 Resp: 114690
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.6 13.8#
 85 0.0 32.4 97.2#



#64
 n-propylbenzene
 Concen: 0.299 ppbv
 RT: 15.82 min Scan# 4581
 Delta R.T. -0.03 min
 Lab File: VL032223.D
 Acq: 6 Jul 2018 3:45

Tgt Ion: 120 Resp: 60618
 Ion Ratio Lower Upper
 120 100
 91 634.9 357.4 536.0#

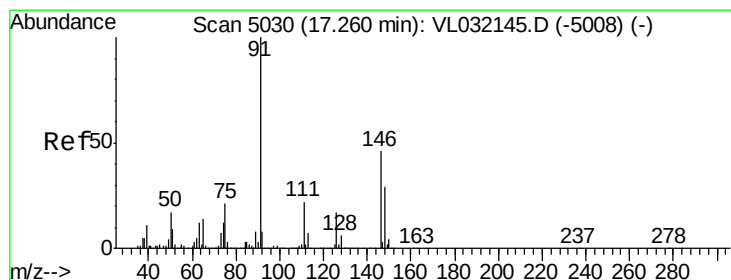
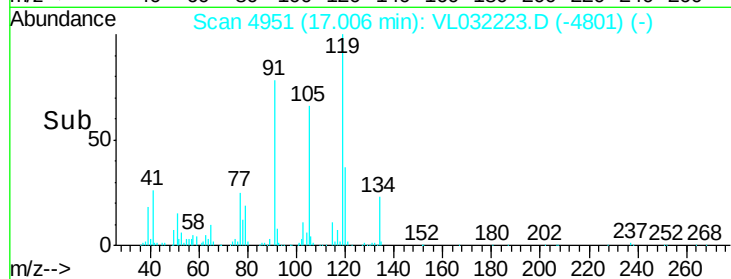
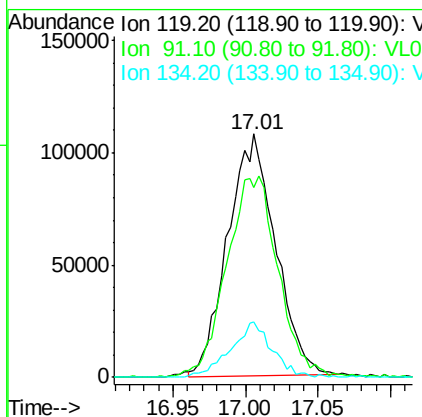
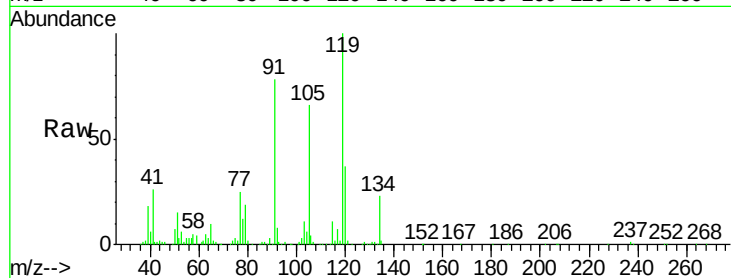




#65
 tert-Butylbenzene
 Concen: 0.357 ppbv
 RT: 17.01 min Scan# 4951
 Delta R.T. -0.02 min
 Lab File: VL032223.D
 Acq: 6 Jul 2018 3:45

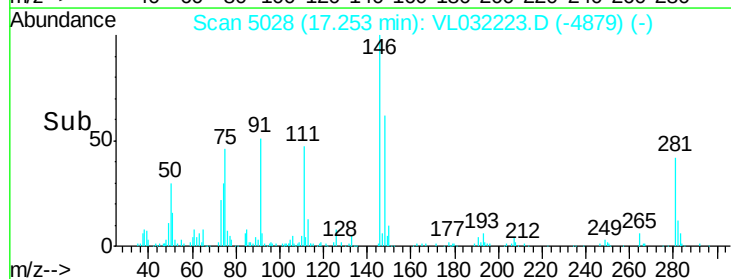
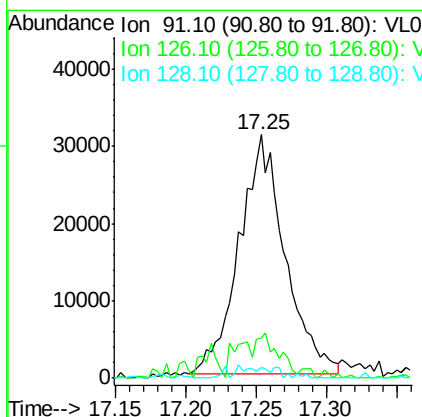
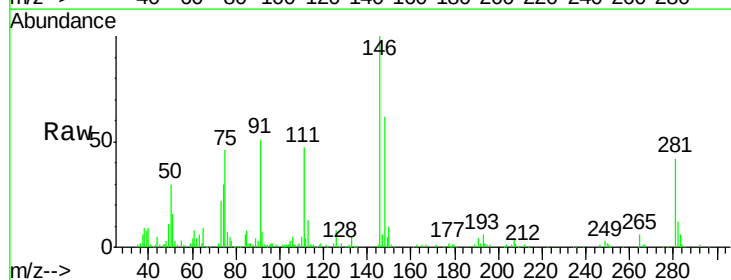
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2018

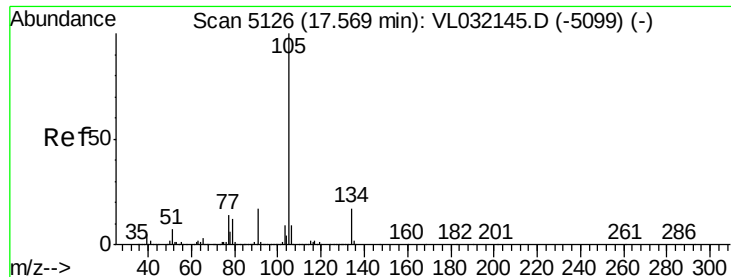
Tgt Ion: 119 Resp: 245547
 Ion Ratio Lower Upper
 119 100
 91 90.7 62.2 93.2
 134 20.3 16.2 24.2



#66
 Benzyl Chloride
 Concen: 0.166 ppbv
 RT: 17.25 min Scan# 5028
 Delta R.T. -0.02 min
 Lab File: VL032223.D
 Acq: 6 Jul 2018 3:45

Tgt Ion: 91 Resp: 70596
 Ion Ratio Lower Upper
 91 100
 126 21.9 15.7 23.5
 128 4.5 5.2 7.8#





#67

sec-Butylbenzene

Concen: 0.380 ppbv

RT: 17.55 min Scan# 5121

Delta R.T. -0.03 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

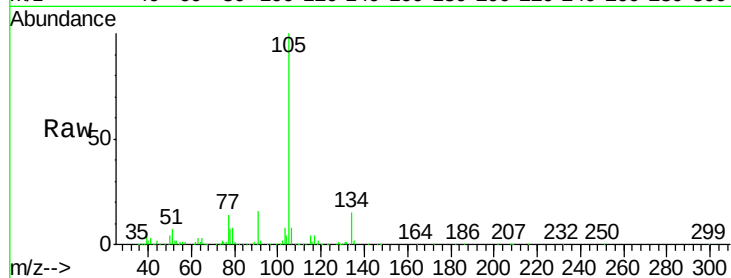
MDL-AIR-03-QT3-2018

Tgt Ion:105 Resp: 382746

Ion Ratio Lower Upper

105 100

134 16.4 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.55

200000

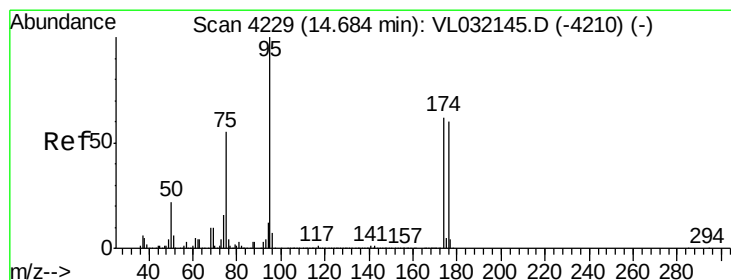
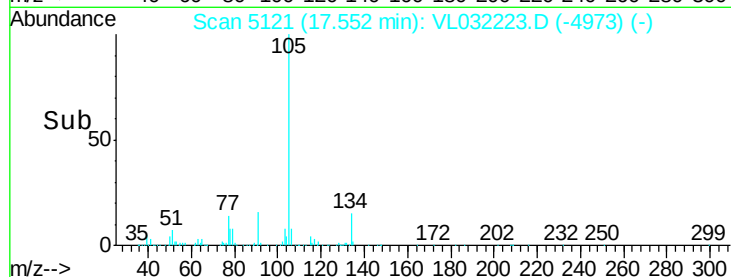
150000

100000

50000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.107 ppbv

RT: 14.67 min Scan# 4225

Delta R.T. -0.03 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

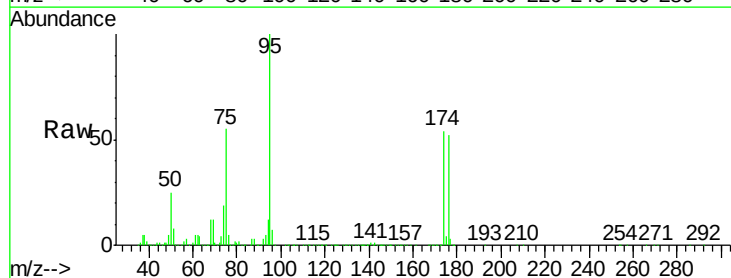
Tgt Ion: 95 Resp: 3054212

Ion Ratio Lower Upper

95 100

174 54.3 52.1 78.1

175 3.9 4.0 6.0#



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.67

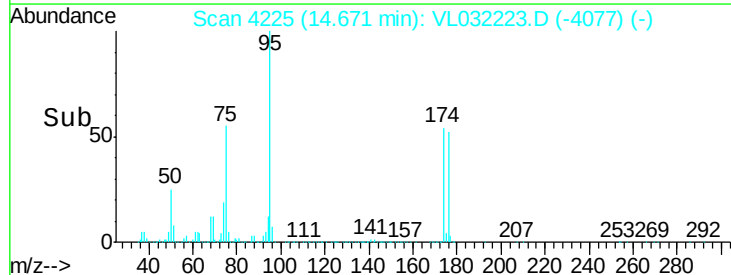
1500000

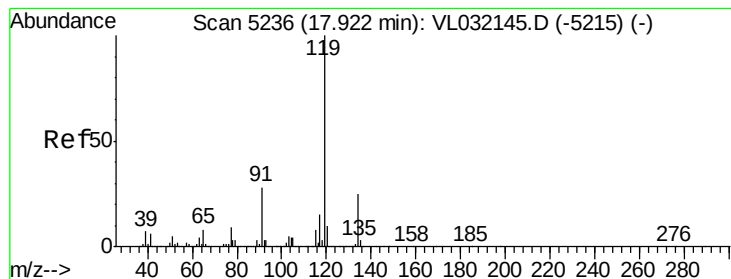
1000000

500000

0

Time-->





#69

p-Isopropyltoluene

Concen: 0.332 ppbv

RT: 17.91 min Scan# 5233

Delta R.T. -0.02 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2018

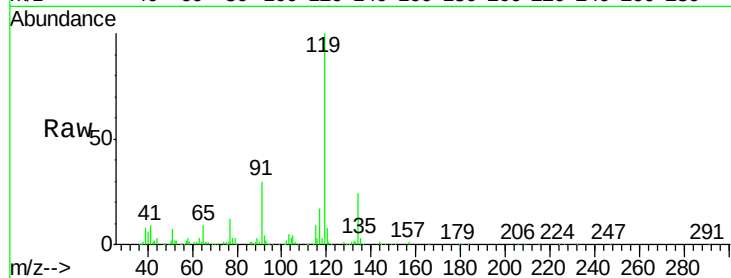
Tgt Ion: 119 Resp: 268280

Ion Ratio Lower Upper

119 100

134 24.5 20.7 31.1

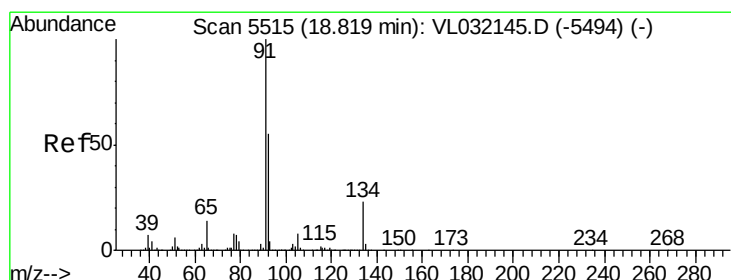
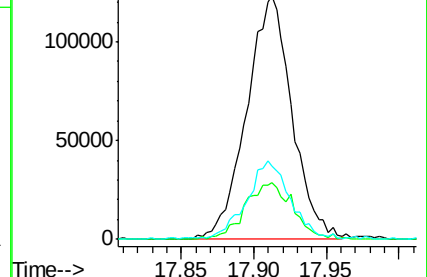
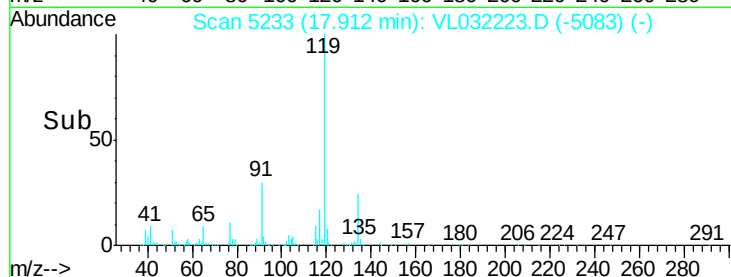
91 31.7 21.8 32.8



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: 0.364 ppbv

RT: 18.81 min Scan# 5513

Delta R.T. -0.02 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

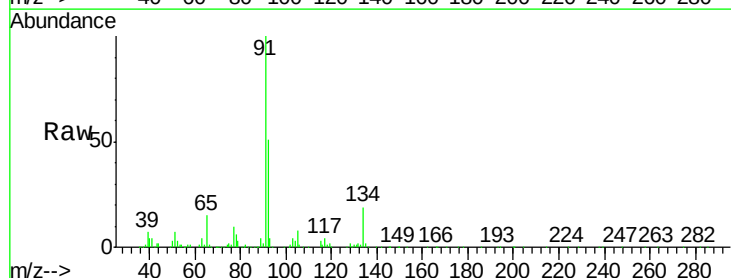
Tgt Ion: 91 Resp: 306867

Ion Ratio Lower Upper

91 100

92 51.3 43.7 65.5

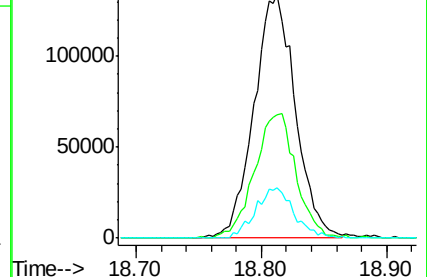
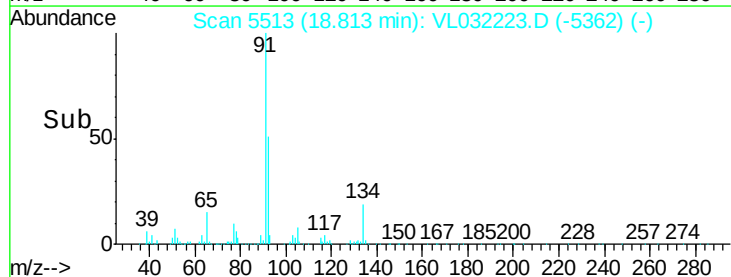
134 19.4 18.9 28.3

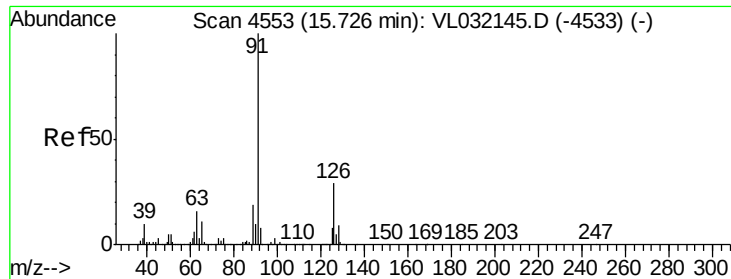


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 0.189 ppbv

RT: 15.71 min Scan# 4548

Delta R.T. -0.03 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

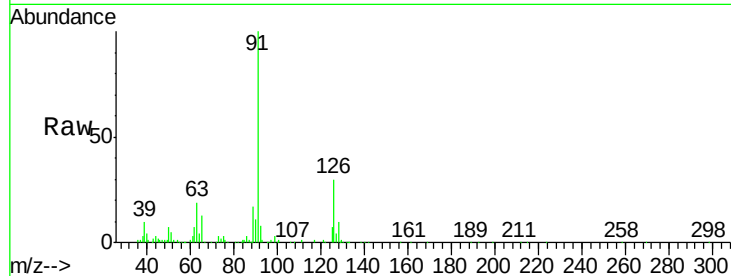
MDL-AIR-03-QT3-2018

Tgt Ion: 91 Resp: 113963

Ion Ratio Lower Upper

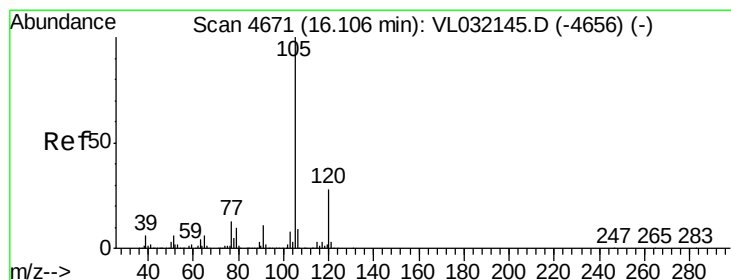
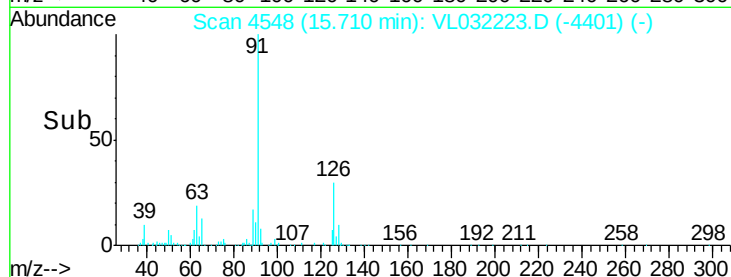
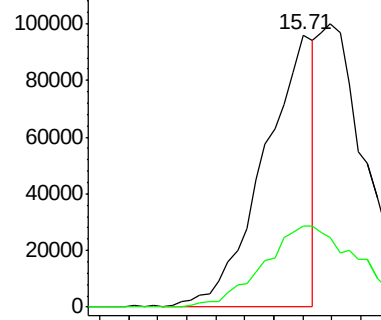
91 100

126 57.6 12.8 51.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.183 ppbv

RT: 16.09 min Scan# 4667

Delta R.T. -0.03 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Tgt Ion: 105 Resp: 120482

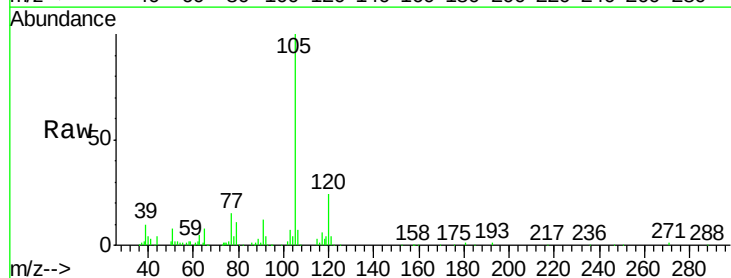
Ion Ratio Lower Upper

105 100

120 0.0 24.3 36.5#

91 0.0 9.4 14.0#

77 0.0 10.2 15.2#

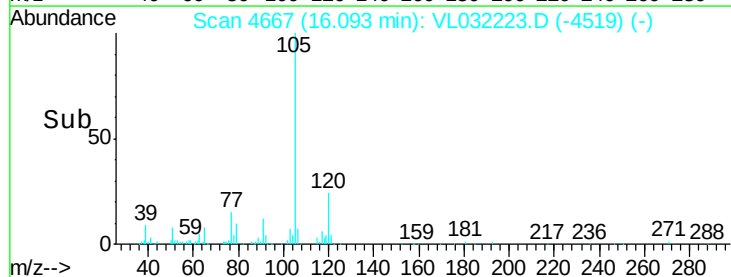
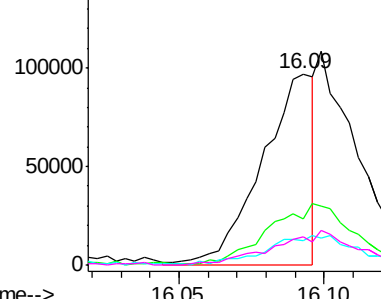


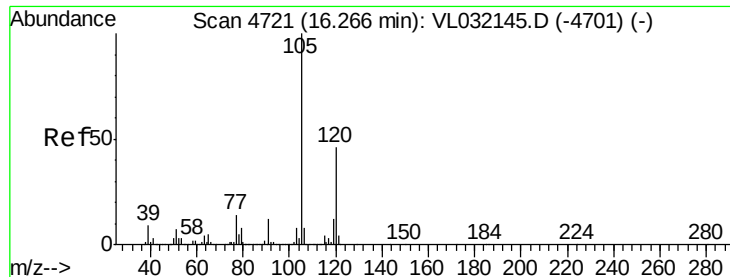
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

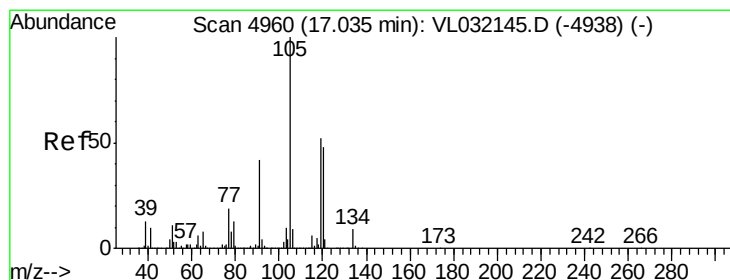
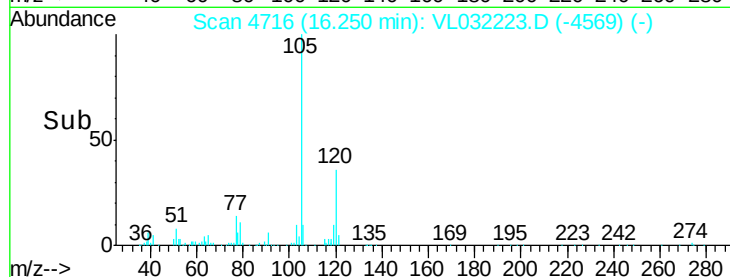
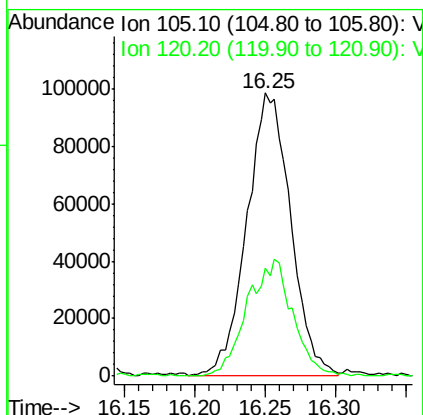
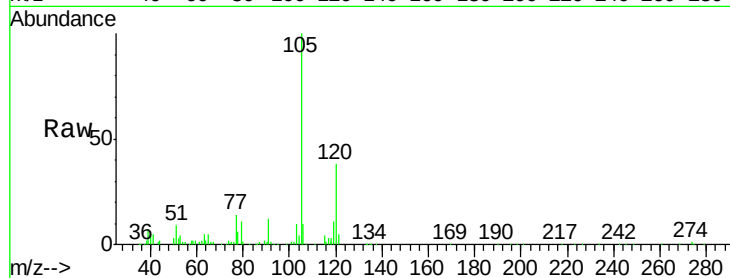




#73
 1,3,5-Trimethylbenzene
 Concen: 0.344 ppbv
 RT: 16.25 min Scan# 4716
 Delta R.T. -0.03 min
 Lab File: VL032223.D
 Acq: 6 Jul 2018 3:45

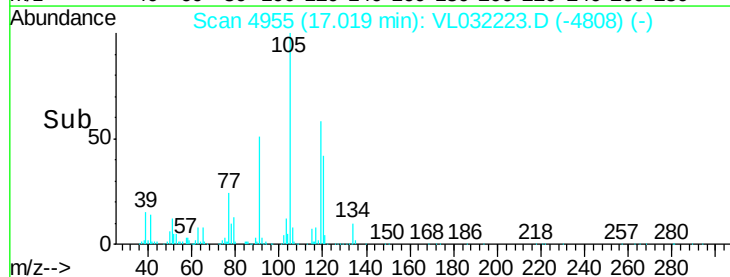
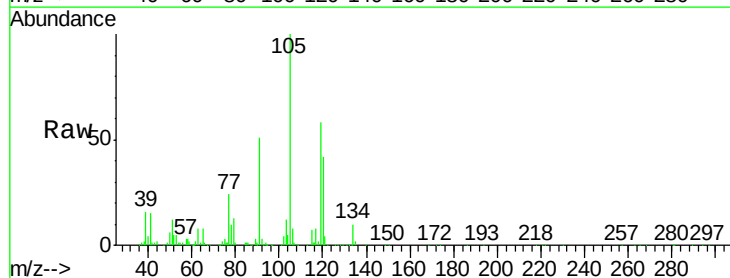
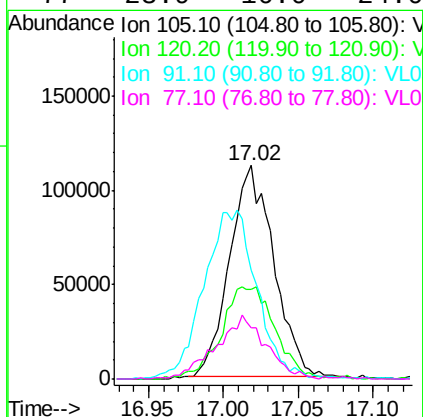
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2018

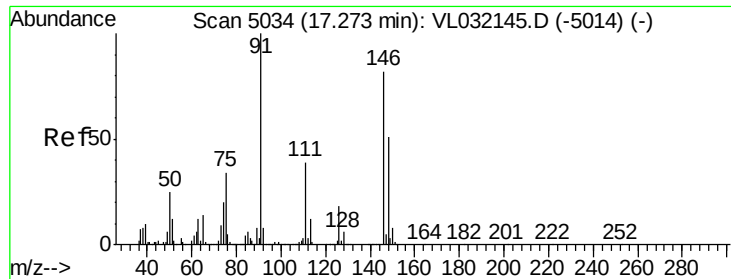
Tgt Ion:105 Resp: 213052
 Ion Ratio Lower Upper
 105 100
 120 38.1 38.6 57.8#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.366 ppbv
 RT: 17.02 min Scan# 4955
 Delta R.T. -0.03 min
 Lab File: VL032223.D
 Acq: 6 Jul 2018 3:45

Tgt Ion:105 Resp: 229051
 Ion Ratio Lower Upper
 105 100
 120 41.6 38.8 58.2
 91 50.9 33.6 50.4#
 77 23.9 16.0 24.0





#75

1,3-Dichlorobenzene

Concen: 0.451 ppbv

RT: 17.26 min Scan# 5029

Delta R.T. -0.03 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2018

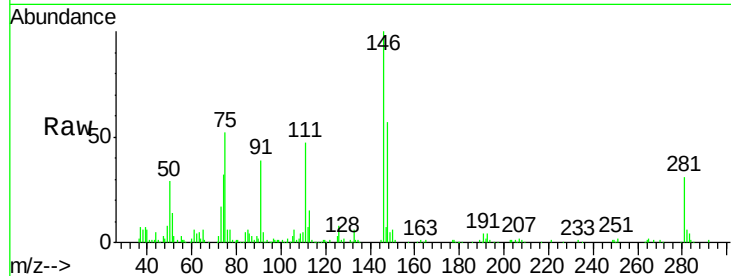
Tgt Ion:146 Resp: 160591

Ion Ratio Lower Upper

146 100

111 50.6 22.9 68.8

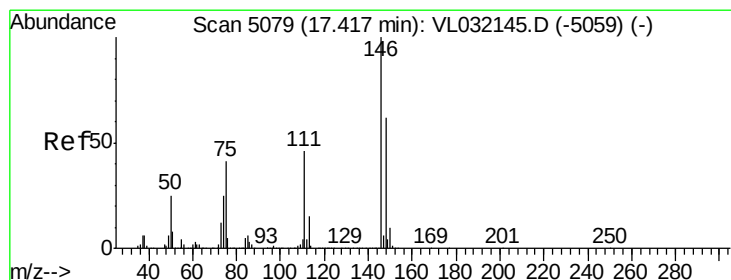
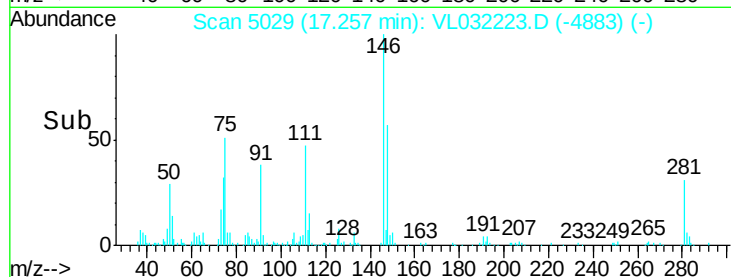
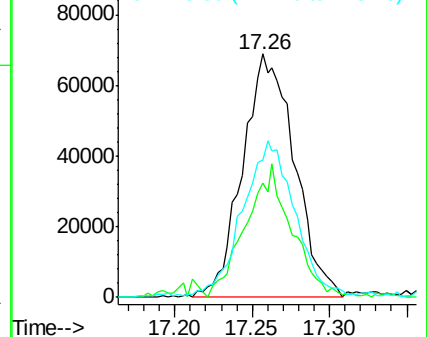
148 66.5 31.7 95.1



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: 0.366 ppbv

RT: 17.40 min Scan# 5075

Delta R.T. -0.02 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

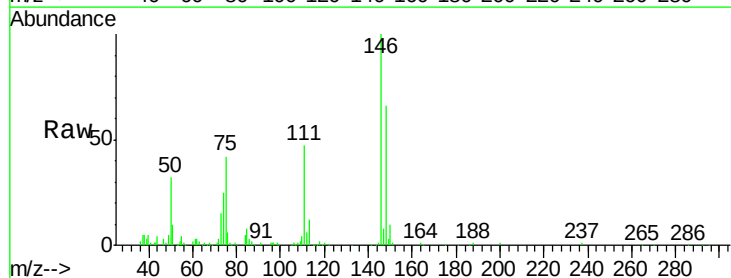
Tgt Ion:146 Resp: 132133

Ion Ratio Lower Upper

146 100

111 51.7 21.9 65.8

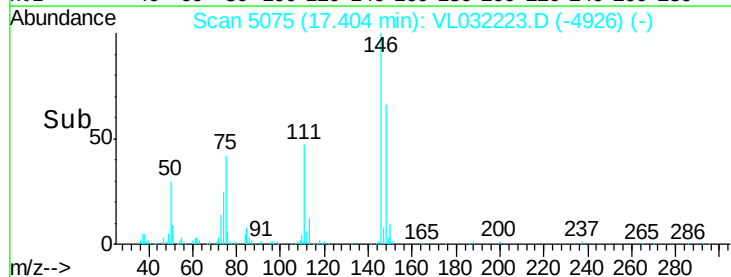
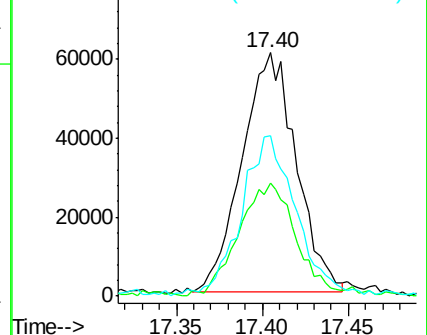
148 68.1 32.1 96.5

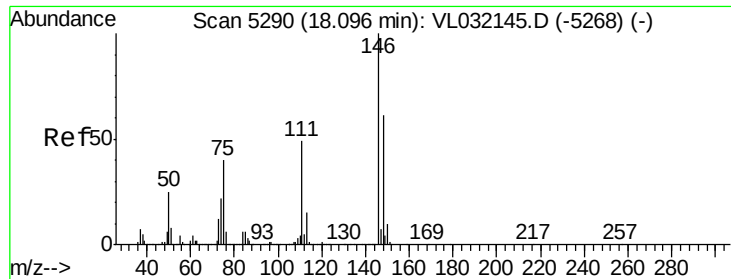


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

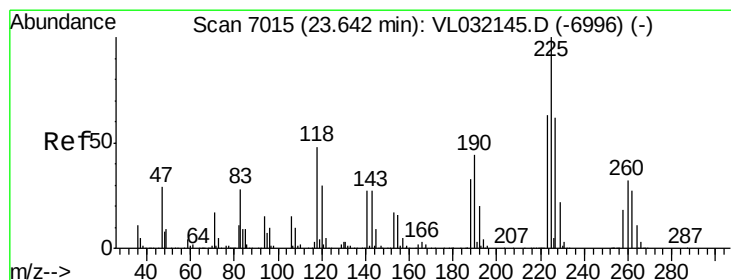
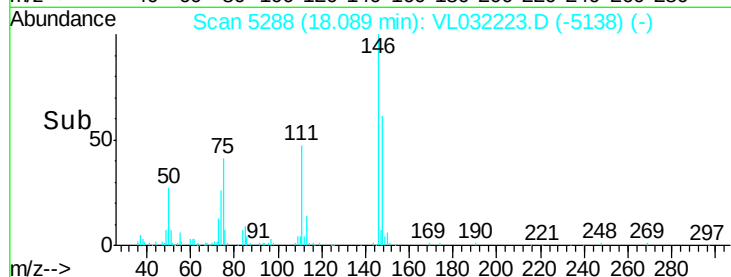
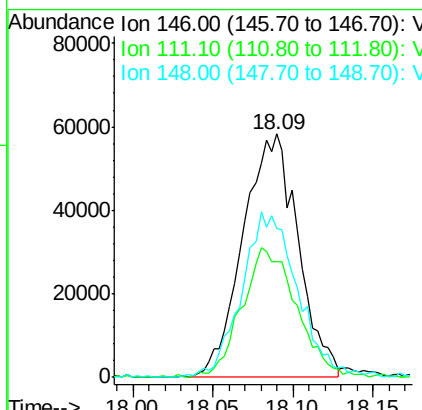
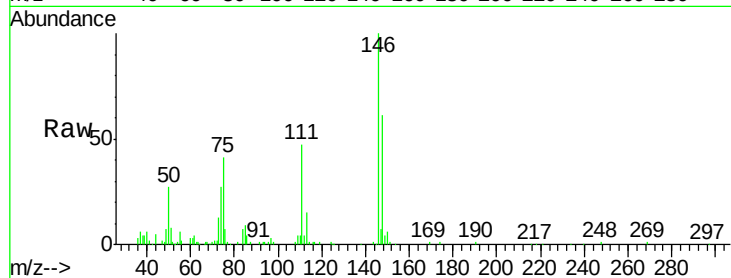




#77
 1,2-Dichlorobenzene
 Concen: 0.388 ppbv
 RT: 18.09 min Scan# 5288
 Delta R.T. -0.02 min
 Lab File: VL032223.D
 Acq: 6 Jul 2018 3:45

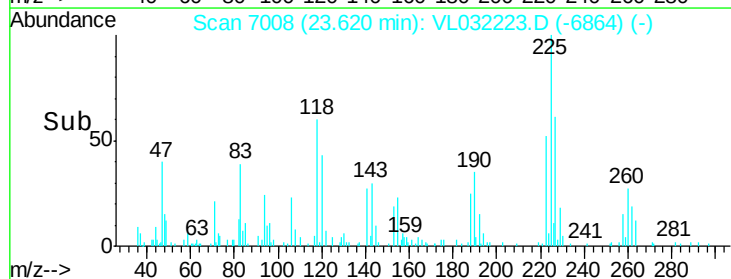
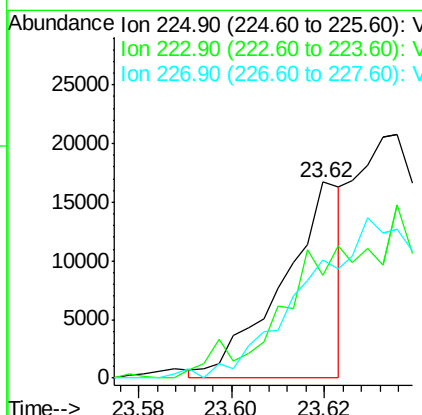
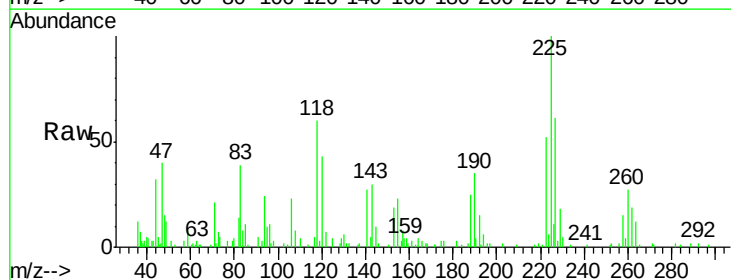
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2018

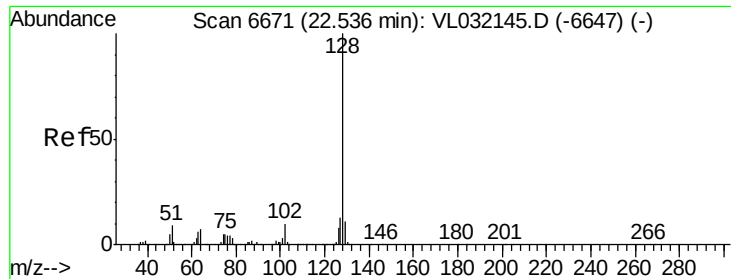
Tgt Ion:146 Resp: 137958
 Ion Ratio Lower Upper
 146 100
 111 53.5 23.4 70.3
 148 69.1 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.120 ppbv
 RT: 23.62 min Scan# 7008
 Delta R.T. -0.04 min
 Lab File: VL032223.D
 Acq: 6 Jul 2018 3:45

Tgt Ion:225 Resp: 14836
 Ion Ratio Lower Upper
 225 100
 223 0.0 51.0 76.4#
 227 0.0 51.4 77.0#





#79

Naphthalene

Concen: 0.102 ppbv

RT: 22.53 min Scan# 6668

Delta R.T. -0.03 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2018

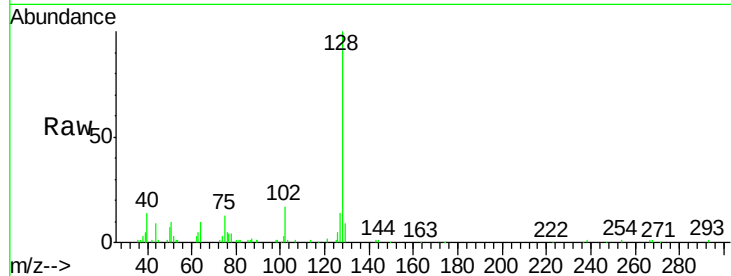
Tgt Ion:128 Resp: 58214

Ion Ratio Lower Upper

128 100

127 13.8 10.5 15.7

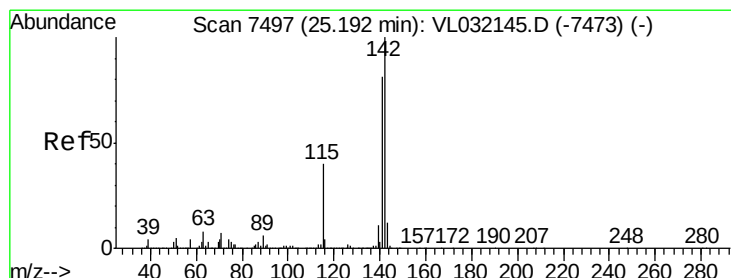
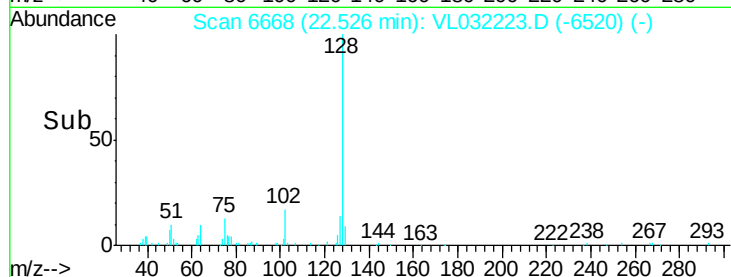
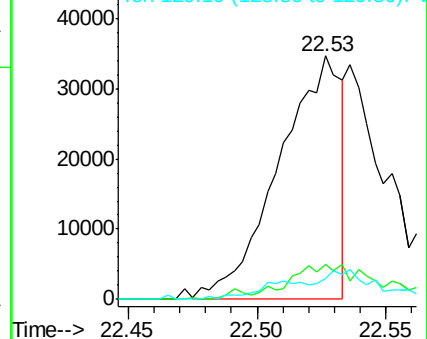
129 8.6 9.0 13.6#



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.031 ppbv

RT: 25.20 min Scan# 7499

Delta R.T. -0.01 min

Lab File: VL032223.D

Acq: 6 Jul 2018 3:45

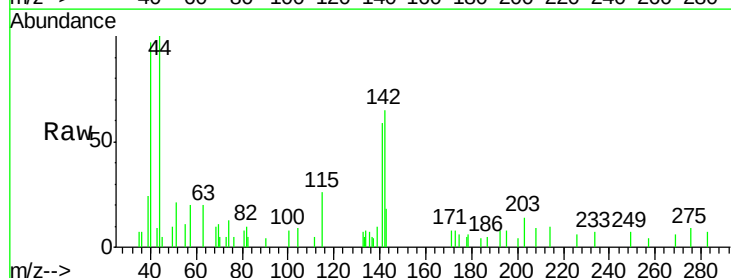
Tgt Ion:142 Resp: 6454

Ion Ratio Lower Upper

142 100

141 85.7 65.8 98.6

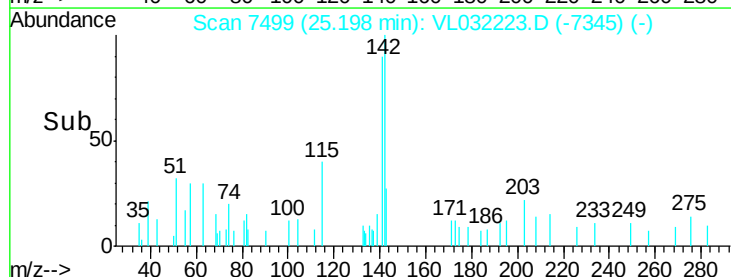
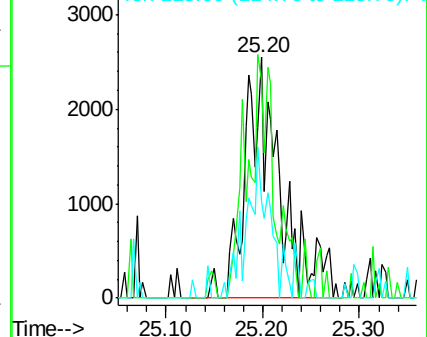
115 45.5 29.4 44.0#

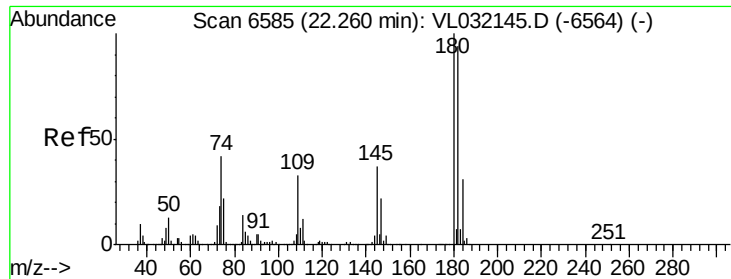


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.045 ppbv
 RT: 22.23 min Scan# 6577
 Delta R.T. -0.04 min
 Lab File: VL032223.D
 Acq: 6 Jul 2018 3:45

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2018

Tgt Ion:180 Resp: 11597
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.2 114.4#
 184 0.0 24.4 36.6#

