Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
Data File : VL031432.D
Acq On : 23 Jan 2018 1:28
Operator : SY/AP
Sample : J1089-14
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Quant Time: Jan 23 06:22:51 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL012218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 22 17:52:32 2018
QLast Update : Mon Jan 22 17:52:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.90	49	1183548	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.44	114	2657539	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.41	117	2620556	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.75	95	2178676	10.38	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.18	85	36084	0.22	ppbv		98
3) Chlorodifluoromethane	3.12	51	20541	0.13	ppbv		97
4) Chloromethane	3.27	50	4206	0.06	ppbv		97
5) Vinyl Chloride	3.40	62	5889	0.09	ppbv		99
6) Bromomethane	3.62	94	3689	0.07	ppbv		91
7) Chloroethane	3.71	64	2857	0.10	ppbv	#	88
8) Dichlorotetrafluoroethane	3.32	85	25153	0.13	ppbv		96
9) Propene	3.14	41	6489	0.12	ppbv		98
10) Heptane	8.41	43	14213	0.08	ppbv	#	77
11) Trichlorofluoromethane	4.13	101	31800	0.14	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.68	101	19435	0.14	ppbv		100
13) Ethanol	3.78	45	3530	0.21	ppbv		87
14) Bromoethene	3.91	108	7717	0.14	ppbv	#	96
15) Acetone	4.04	43	29345	0.19	ppbv		98
16) 1,3-Butadiene	3.47	39	4959	0.07	ppbv	#	51
17) tert-Butyl alcohol	4.48	59	384	0.01	ppbv	#	71
18) 1,1-Dichloroethene	4.48	96	8463	0.14	ppbv		89
19) Isopropyl Alcohol	4.18	45	12210	0.12	ppbv	#	97
20) Methylene Chloride	4.53	84	15967	0.26	ppbv	#	78
21) Allyl Chloride	4.60	41	5066	0.05	ppbv	#	12
22) trans-1,2-Dichloroethene	5.10	96	5303	0.08	ppbv	#	90
23) Vinyl Acetate	5.28	43	2173	0.01	ppbv	#	64
24) 1,1-Dichloroethane	5.23	63	21606	0.13	ppbv		98
25) Ethyl Acetate	5.93	43	33159	0.12	ppbv	#	97
26) Hexane	5.93	57	14800	0.12	ppbv		89
27) Carbon Disulfide	4.76	76	20282	0.12	ppbv	#	86
28) Methyl tert-Butyl Ether	5.27	73	6838	0.05	ppbv	#	33
29) Chloroform	5.99	83	26957	0.13	ppbv		84
30) Cyclohexane	7.40	84	4218	0.04	ppbv	#	1
31) cis-1,2-Dichloroethene	5.78	61	8700	0.07	ppbv	#	92
32) 1,1,1-Trichloroethane	6.77	97	14980	0.07	ppbv	#	36
34) 2-Butanone	5.49	43	17073	0.10	ppbv	#	89
35) Carbon Tetrachloride	7.29	117	17745	0.08	ppbv		90
36) Benzene	7.16	78	24563	0.10	ppbv	#	91
37) 1,2-Dichloroethane	6.56	62	23307	0.13	ppbv		98
38) Trichloroethene	8.12	130	8595	0.09	ppbv		92
39) 1,2-Dichloropropane	7.44	63	740872	8.35	ppbv	#	23
40) 1,4-Dioxane	8.16	88	172	0.00	ppbv	#	1
41) Tetrahydrofuran	6.31	42	351	0.00	ppbv	#	38
42) Bromodichloromethane	8.07	83	25718	0.12	ppbv		97
43) Methyl Methacrylate	8.31	69	2348	0.03	ppbv	#	1

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
Data File : VL031432.D
Acq On : 23 Jan 2018 1:28
Operator : SY/AP
Sample : J1089-14
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Quant Time: Jan 23 06:22:51 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL012218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 22 17:52:32 2018
QLast Update : Mon Jan 22 17:52:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	19417	0.05	ppbv	#	25
45) t-1,3-Dichloropropene	9.59	75	1435	0.01	ppbv		91
46) cis-1,3-Dichloropropene	8.99	75	6000	0.04	ppbv	#	90
47) 1,1,2-Trichloroethane	9.77	97	9964	0.10	ppbv	#	86
48) Dibromochloromethane	10.62	129	21159	0.11	ppbv		92
49) Bromoform	13.37	173	9518	0.07	ppbv	#	55
50) 4-Methyl-2-Pentanone	9.04	43	606	0.00	ppbv	#	41
51) 2-Hexanone	10.43	43	177	0.00	ppbv	#	31
52) Tetrachloroethene	11.54	164	4207	0.05	ppbv	#	41
53) Toluene	10.11	91	14112	0.05	ppbv	#	50
54) 1,2-Dibromoethane	10.93	107	16886	0.10	ppbv		88
56) 1,1,1,2-Tetrachloroethane	12.44	131	7520	0.06	ppbv	#	9
57) Chlorobenzene	12.47	112	14021	0.06	ppbv		90
58) Ethyl Benzene	13.02	91	11112	0.03	ppbv		99
59) m/p-Xylene	13.31	91	18219	0.06	ppbv	#	1
60) o-Xylene	14.02	91	26952	0.08	ppbv		97
61) Styrene	13.85	104	1030	0.01	ppbv	#	26
62) Isopropylbenzene	14.99	105	21929	0.05	ppbv	#	61
63) 1,1,2,2-Tetrachloroethane	14.01	83	15469	0.07	ppbv	#	41
64) n-propylbenzene	16.18	120	1056	0.01	ppbv		90
65) tert-Butylbenzene	17.08	119	15127	0.04	ppbv	#	4
66) Benzyl Chloride	17.32	91	848	0.02	ppbv	#	66
67) sec-Butylbenzene	17.62	105	23078	0.05	ppbv	#	59
69) p-Isopropyltoluene	17.98	119	14517	0.04	ppbv	#	46
70) n-Butylbenzene	18.89	91	23689	0.06	ppbv	#	69
71) 2-Chlorotoluene	15.79	91	13428	0.04	ppbv	#	38
72) 4-Ethyltoluene	16.16	105	16126	0.05	ppbv	#	55
73) 1,3,5-Trimethylbenzene	16.32	105	11317	0.04	ppbv		92
74) 1,2,4-Trimethylbenzene	17.09	105	19201	0.06	ppbv	#	85
75) 1,3-Dichlorobenzene	17.33	146	10074	0.05	ppbv	#	23
76) 1,4-Dichlorobenzene	17.48	146	8234	0.04	ppbv	#	1
77) 1,2-Dichlorobenzene	18.16	146	10803	0.05	ppbv	#	17
78) Hexachloro-1,3-Butadiene	23.70	225	11864	0.17	ppbv		94
79) Naphthalene	22.60	128	2176	0.01	ppbv	#	75
80) Naphthalene,2-methyl-	25.26	142	3078	0.05	ppbv		95
81) 1,2,4-Trichlorobenzene	22.33	180	2052	0.02	ppbv	#	12

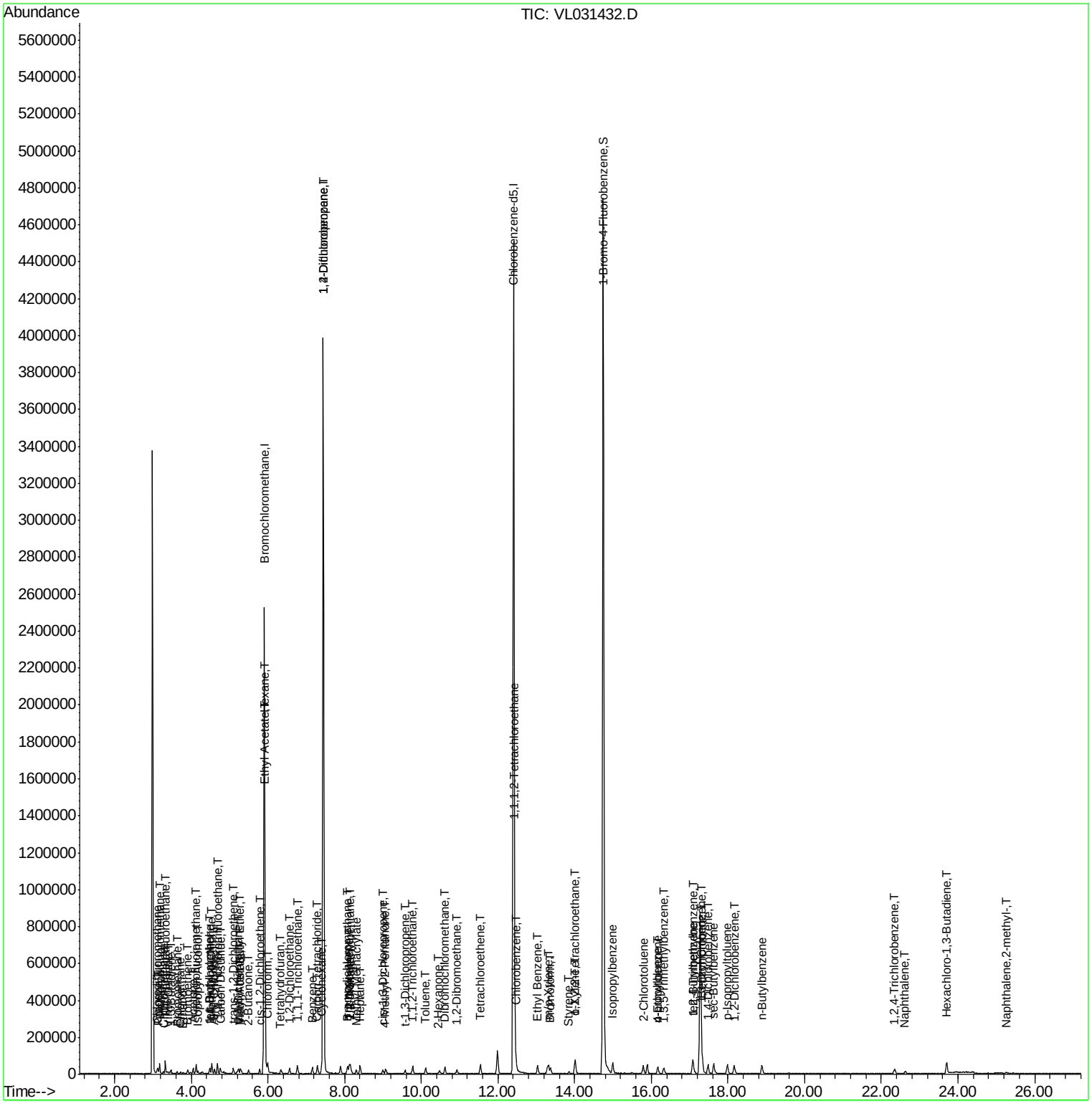
(#) = qualifier out of range (m) = manual integration (+) = signals summed

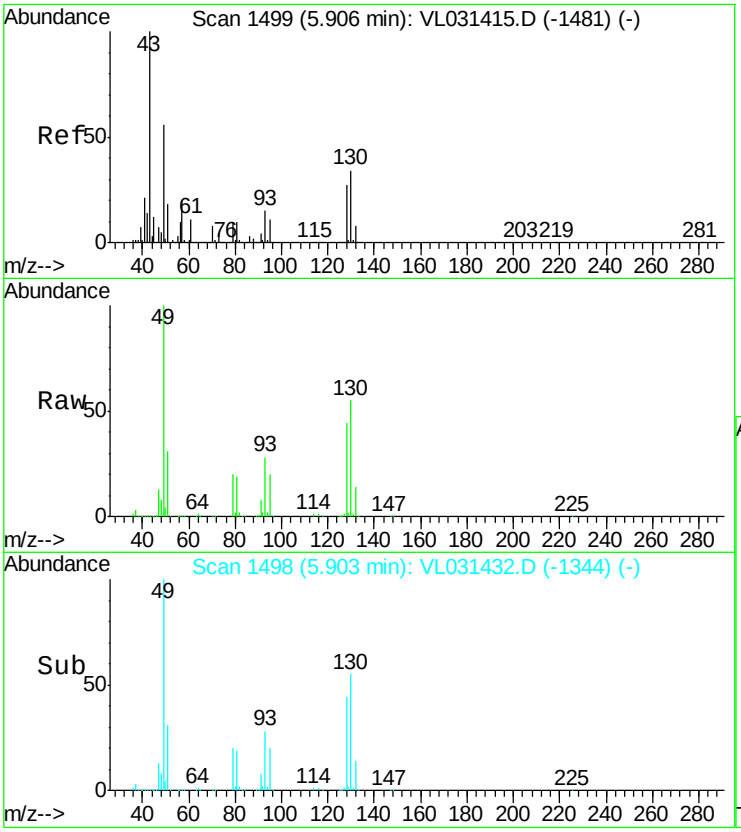
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
Data File : VL031432.D
Acq On : 23 Jan 2018 1:28
Operator : SY/AP
Sample : J1089-14
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Quant Time: Jan 23 06:22:51 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL012218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 22 17:52:32 2018
QLast Update : Mon Jan 22 17:52:32 2018
Response via : Initial Calibration



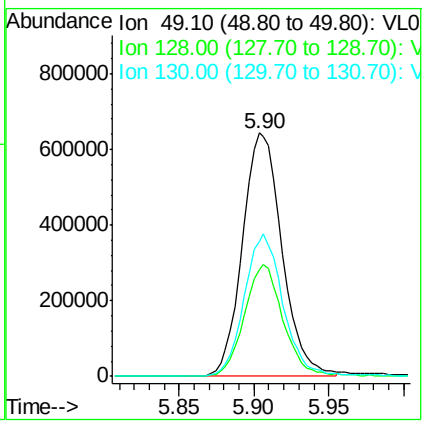


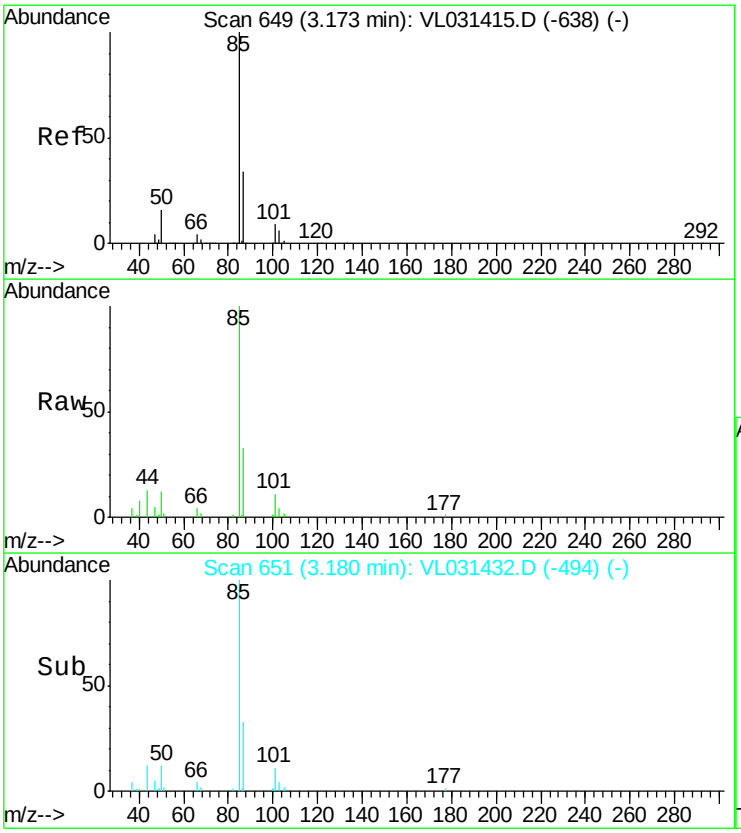
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.90 min Scan# 1498
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tgt Ion: 49 Resp: 1183548

Ion	Ratio	Lower	Upper
49	100		
128	45.6	23.5	70.6
130	58.1	29.9	89.7

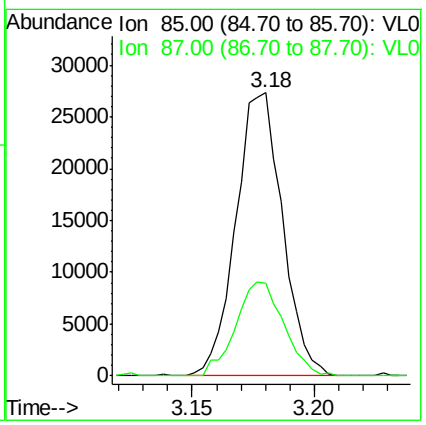


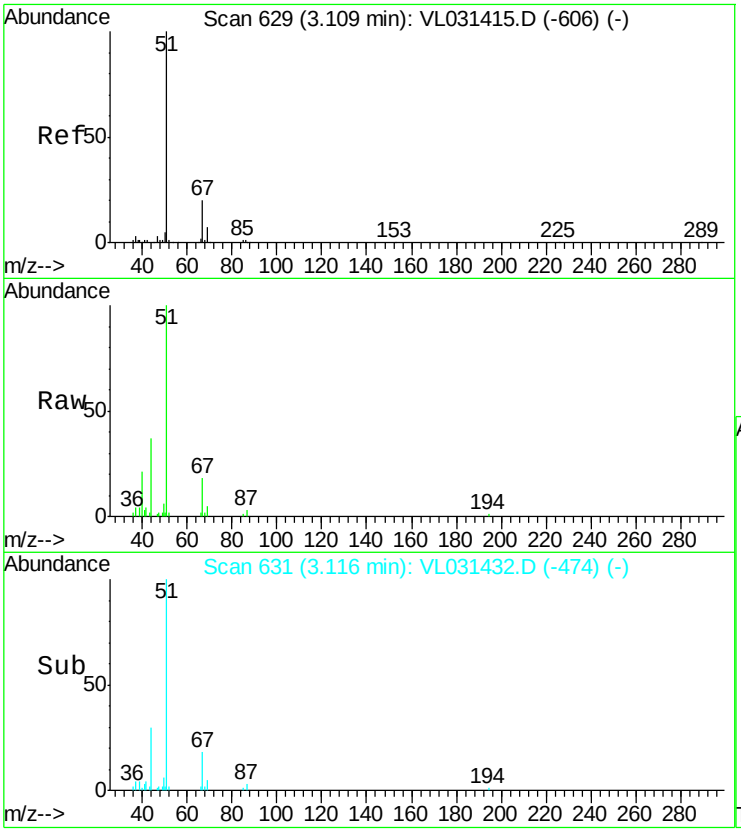


#2
Dichlorodifluoromethane
Concen: 0.22 ppbv
RT: 3.18 min Scan# 651
Delta R.T. 0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 85 Resp: 36084

Ion	Ratio	Lower	Upper
85	100		
87	33.0	27.4	41.0



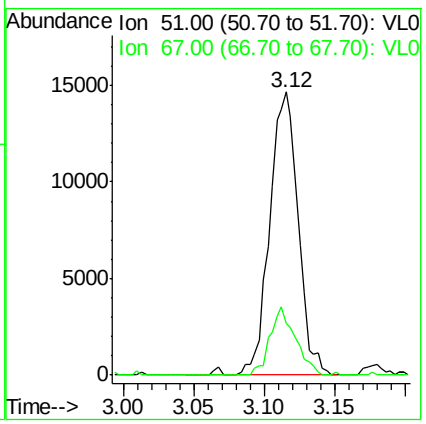


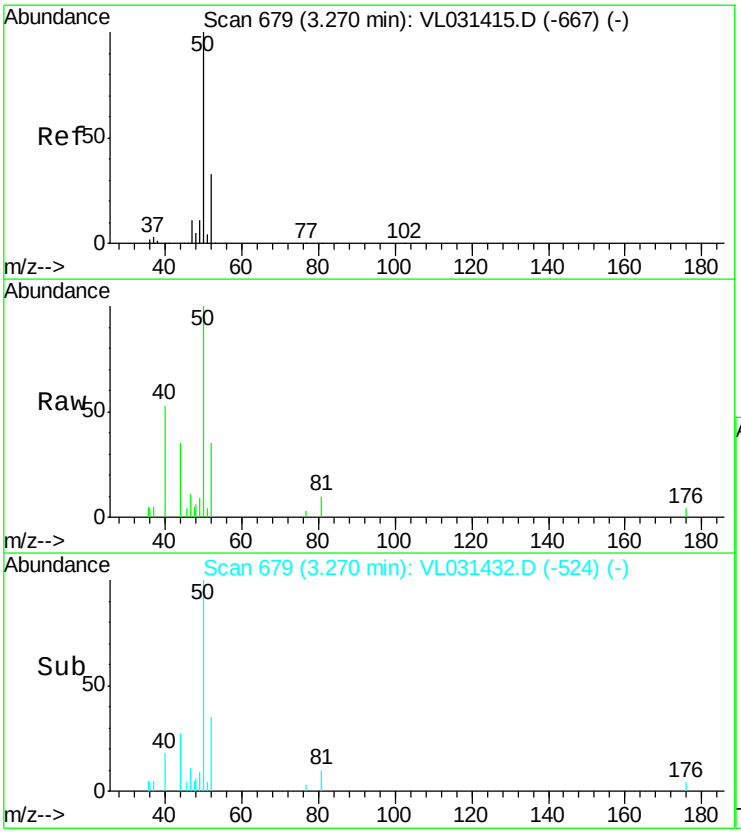
#3
Chlorodifluoromethane
Concen: 0.13 ppbv
RT: 3.12 min Scan# 631
Delta R.T. 0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tgt Ion: 51 Resp: 20541

Ion	Ratio	Lower	Upper
51	100		
67	21.5	16.0	24.0

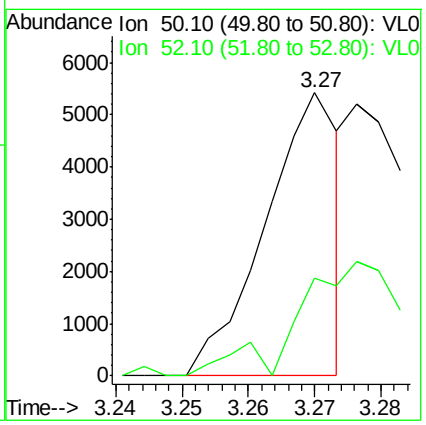


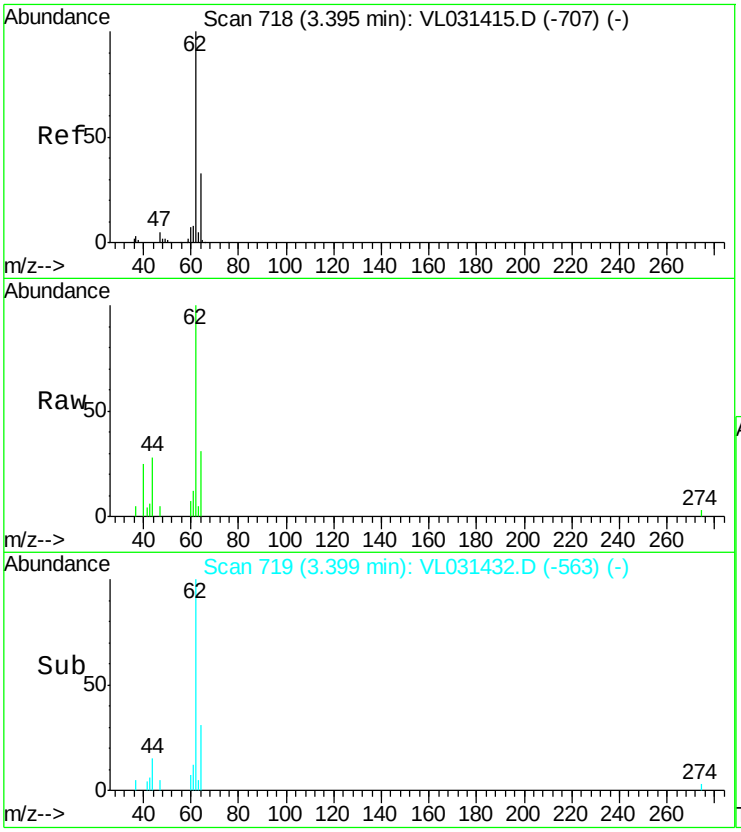


#4
Chloromethane
Concen: 0.06 ppbv
RT: 3.27 min Scan# 679
Delta R.T. -0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 50 Resp: 4206

Ion	Ratio	Lower	Upper
50	100		
52	34.6	26.4	39.6



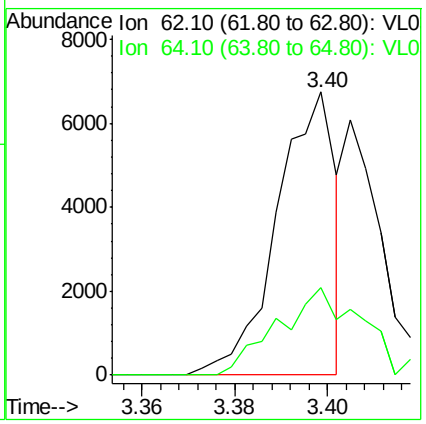


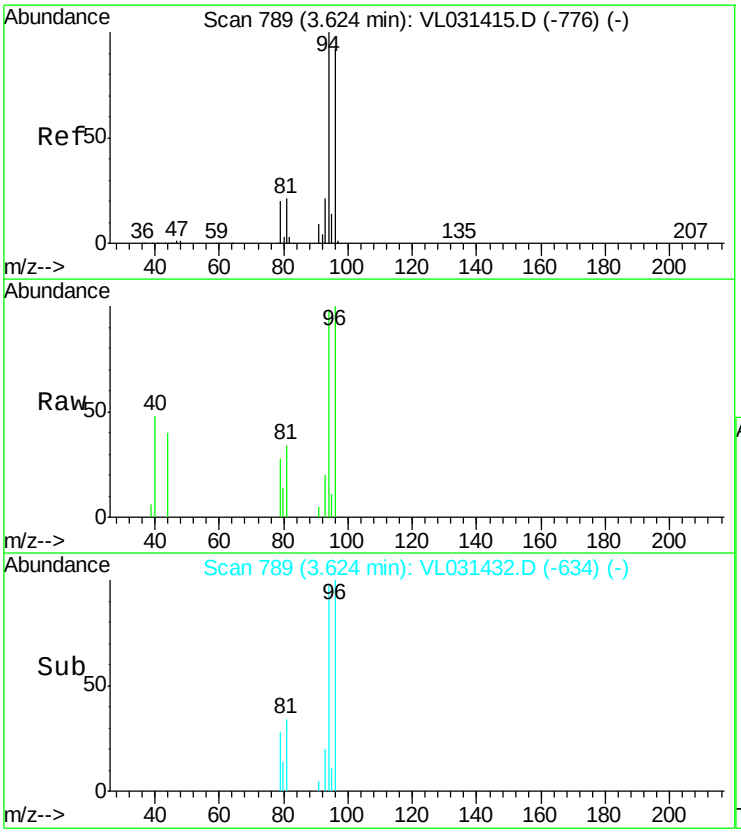
#5
Vinyl Chloride
Concen: 0.09 ppbv
RT: 3.40 min Scan# 719
Delta R.T. 0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Tgt Ion: 62 Resp: 5889

Ion	Ratio	Lower	Upper
62	100		
64	30.9	25.4	38.0

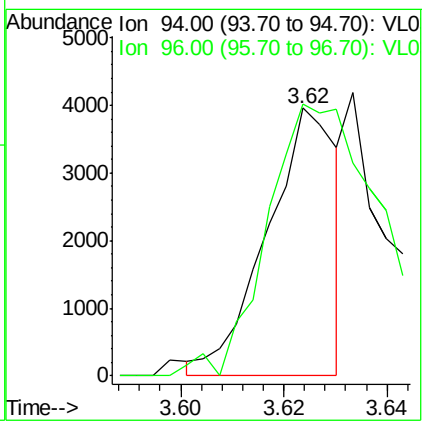


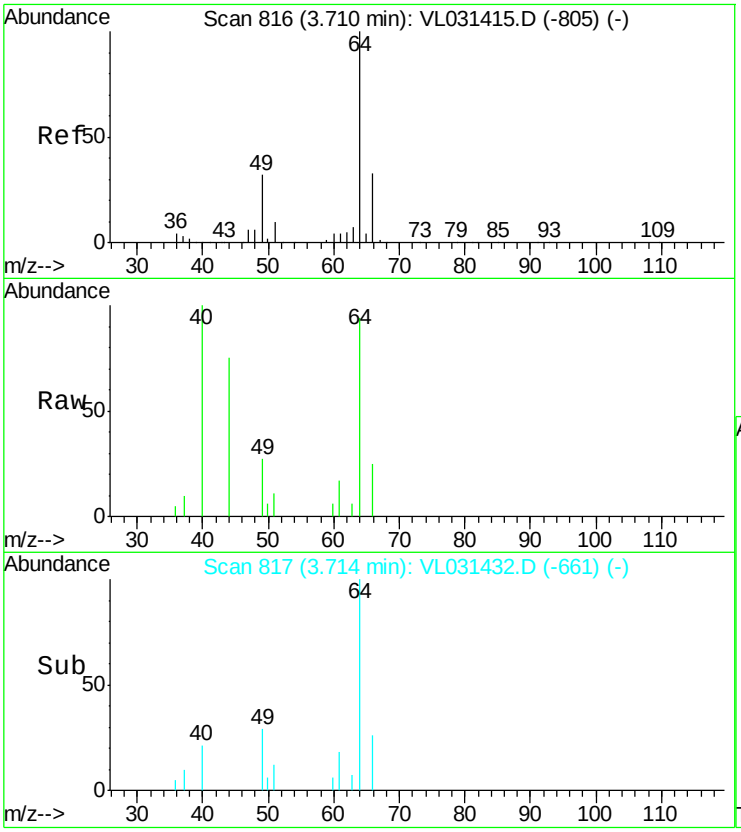


#6
Bromomethane
Concen: 0.07 ppbv
RT: 3.62 min Scan# 789
Delta R.T. -0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 94 Resp: 3689

Ion	Ratio	Lower	Upper
94	100		
96	103.1	75.1	112.7



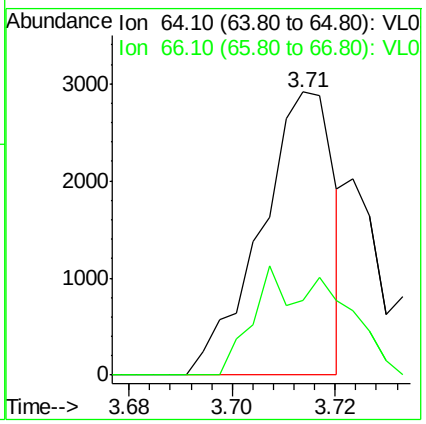


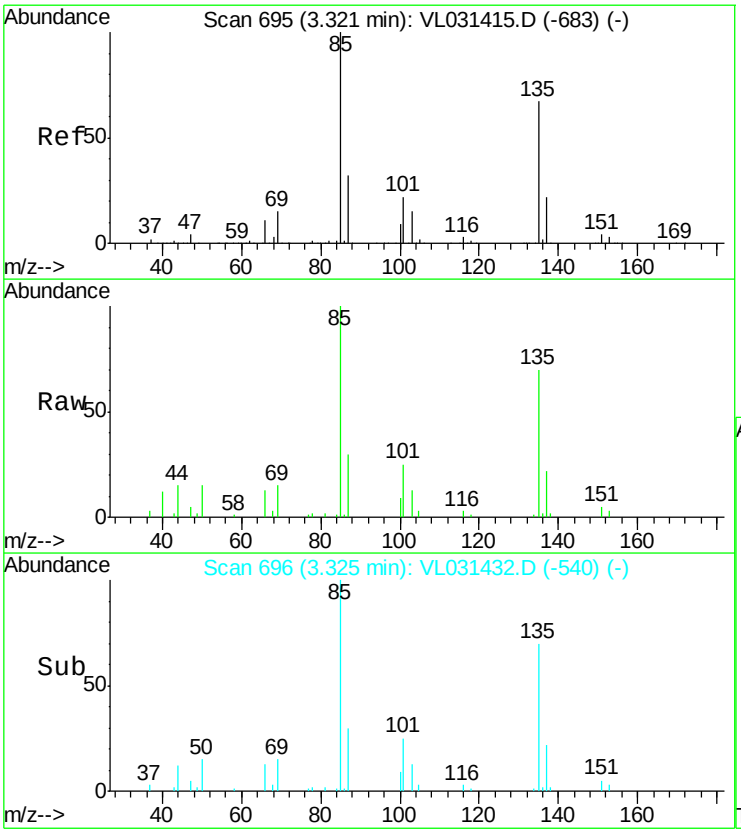
#7
Chloroethane
Concen: 0.10 ppbv
RT: 3.71 min Scan# 817
Delta R.T. 0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tgt Ion: 64 Resp: 2857

Ion	Ratio	Lower	Upper
64	100		
66	26.2	26.3	39.5#

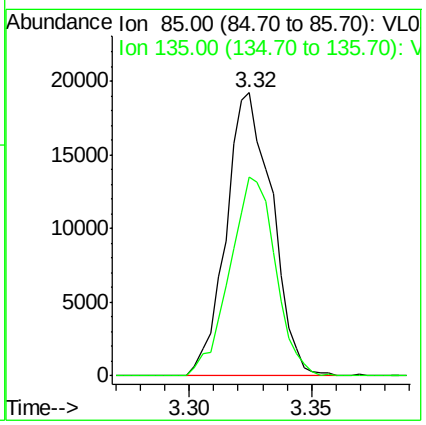


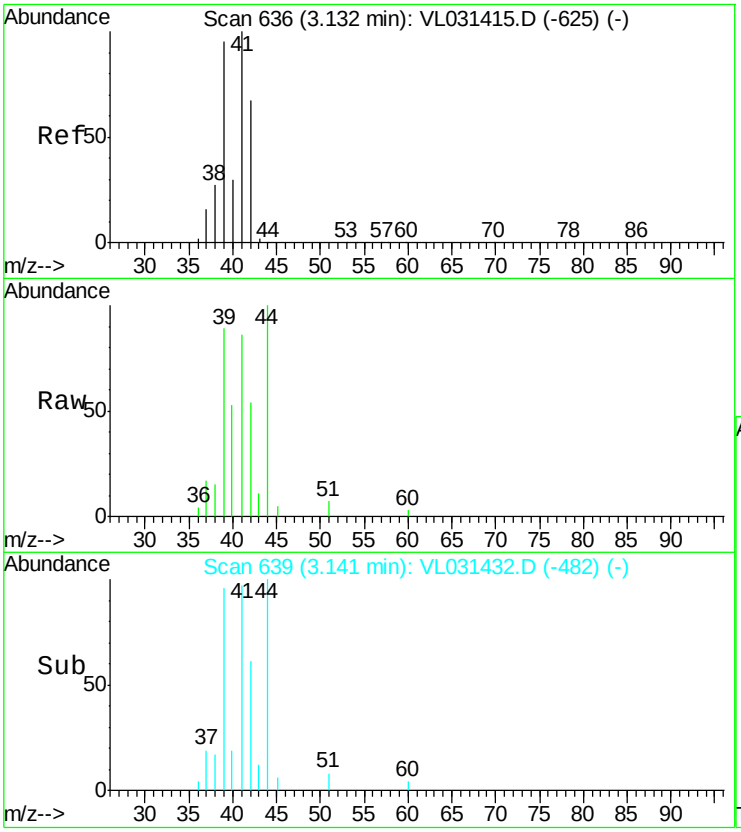


#8
Dichlorotetrafluoroethane
Concen: 0.13 ppbv
RT: 3.32 min Scan# 696
Delta R.T. 0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 85 Resp: 25153

Ion	Ratio	Lower	Upper
85	100		
135	69.5	53.3	79.9



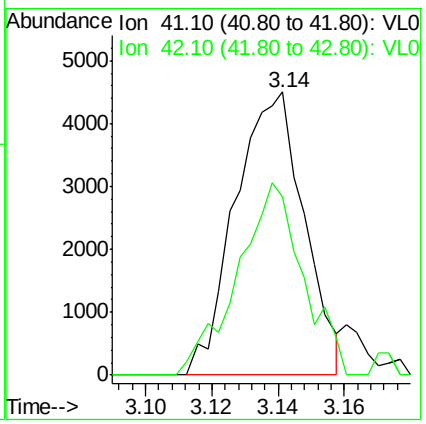


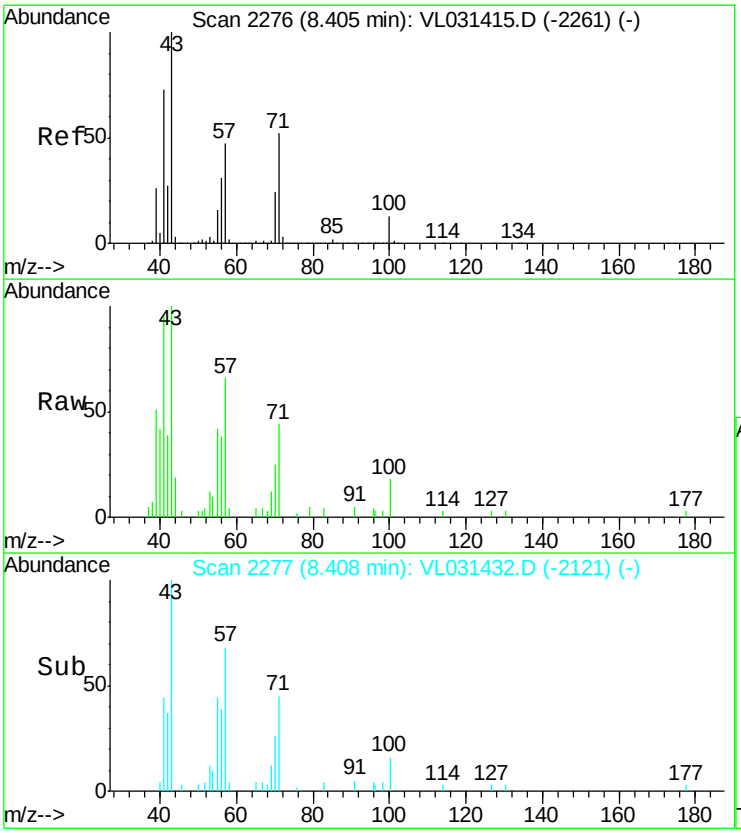
#9
Propene
Concen: 0.12 ppbv
RT: 3.14 min Scan# 639
Delta R.T. 0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tgt Ion: 41 Resp: 6489

Ion	Ratio	Lower	Upper
41	100		
42	66.9	54.6	82.0

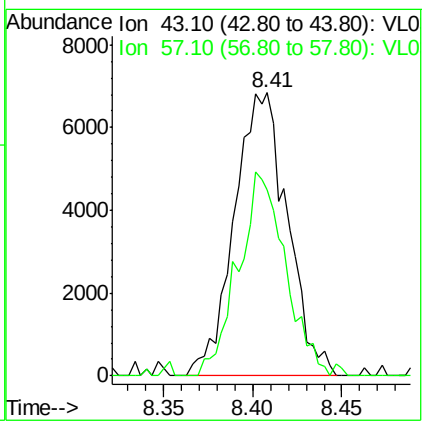


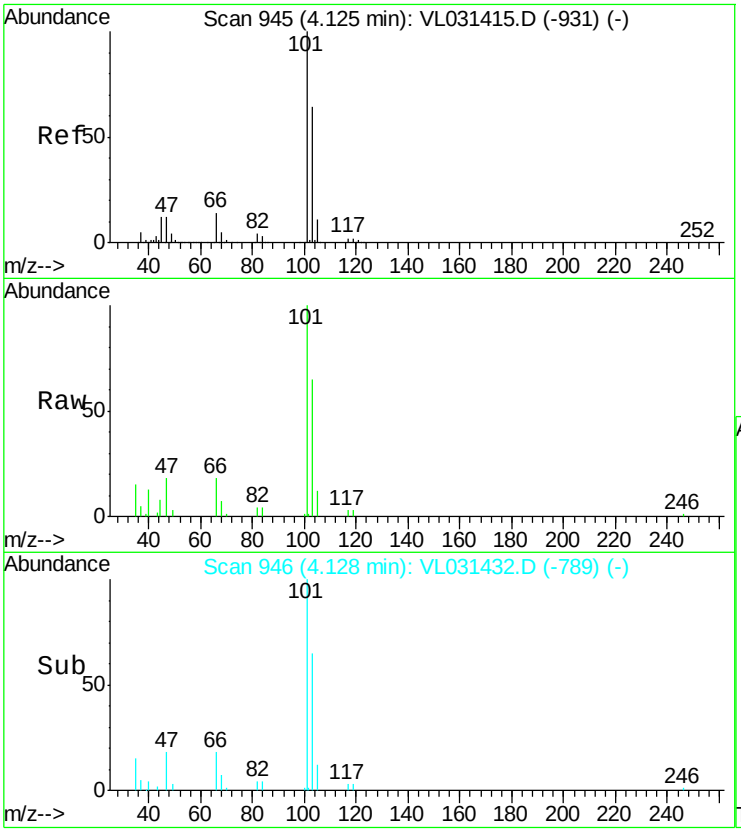


#10
Heptane
Concen: 0.08 ppbv
RT: 8.41 min Scan# 2277
Delta R.T. 0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 43 Resp: 14213

Ion	Ratio	Lower	Upper
43	100		
57	65.4	39.7	59.5#



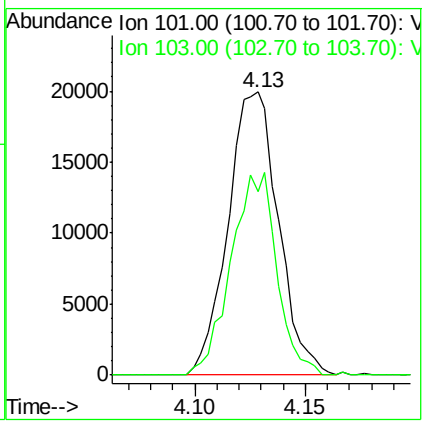


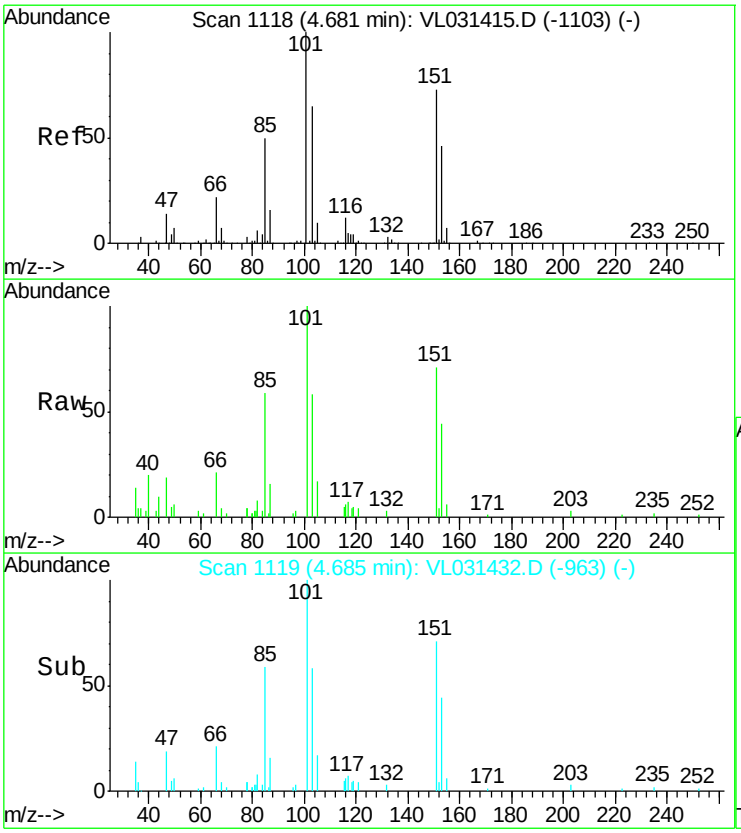
#11
Trichlorofluoromethane
Concen: 0.14 ppbv
RT: 4.13 min Scan# 946
Delta R.T. 0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tgt Ion:101 Resp: 31800

Ion	Ratio	Lower	Upper
101	100		
103	64.9	53.1	79.7

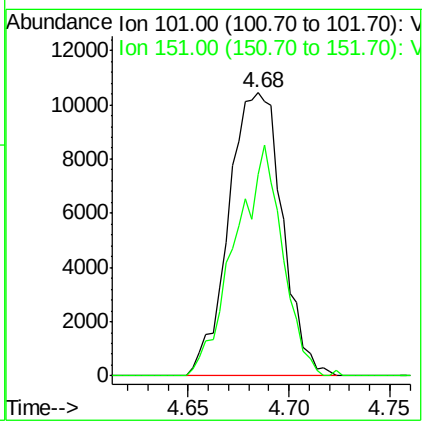


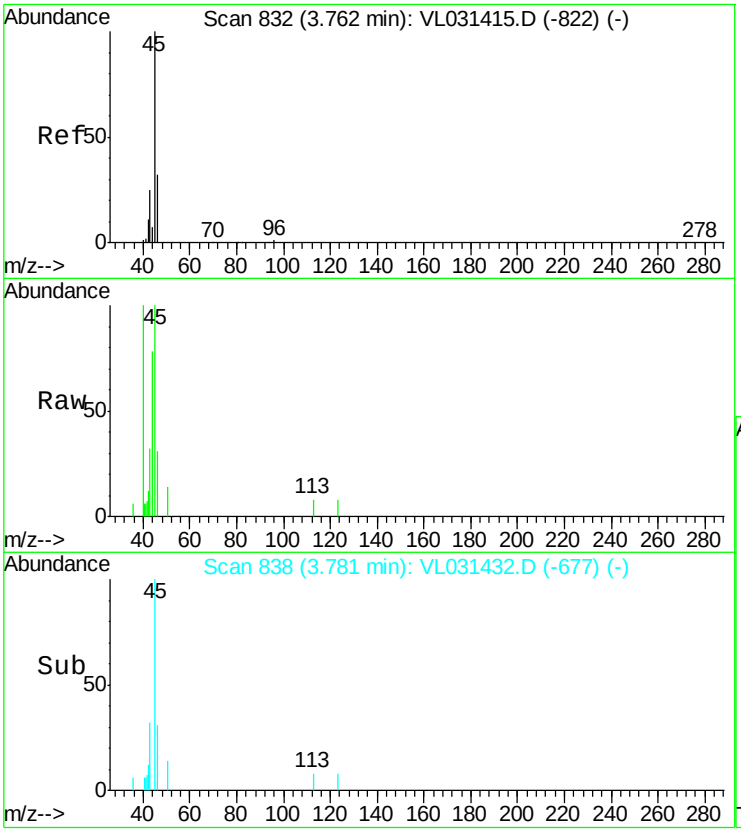


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.14 ppbv
RT: 4.68 min Scan# 1119
Delta R.T. 0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion:101 Resp: 19435

Ion	Ratio	Lower	Upper
101	100		
151	72.6	58.1	87.1



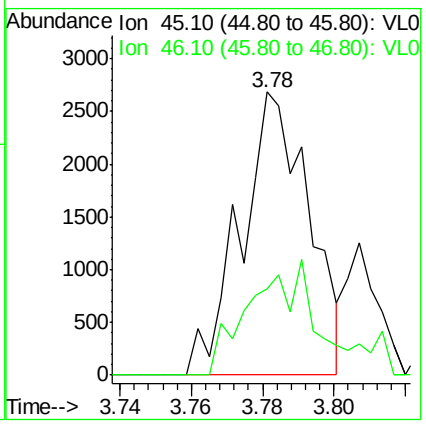


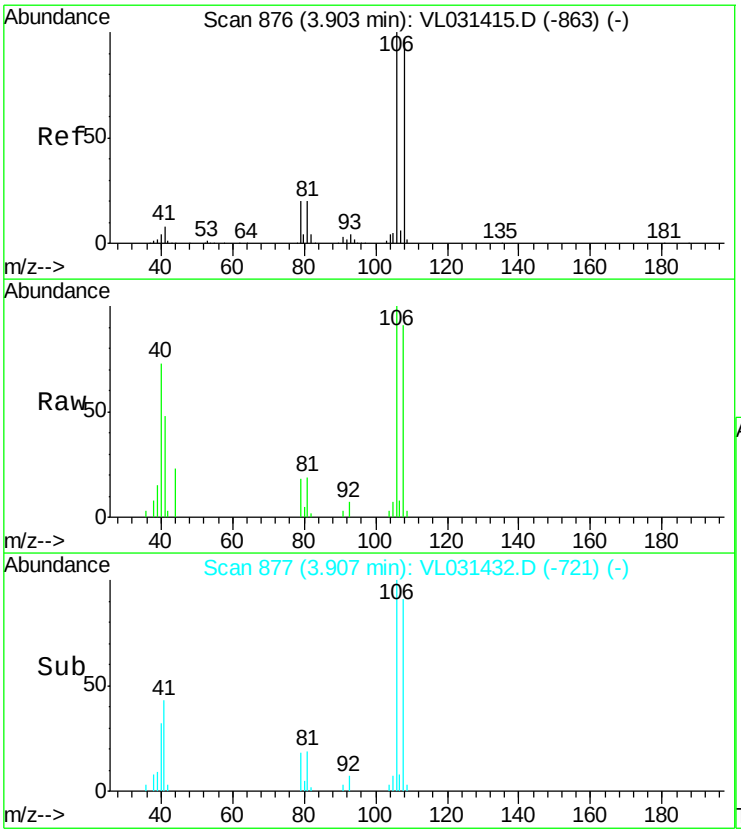
#13
Ethanol
Concen: 0.21 ppbv
RT: 3.78 min Scan# 838
Delta R.T. 0.02 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Tgt Ion: 45 Resp: 3530

Ion	Ratio	Lower	Upper
45	100		
46	45.1	14.9	59.5

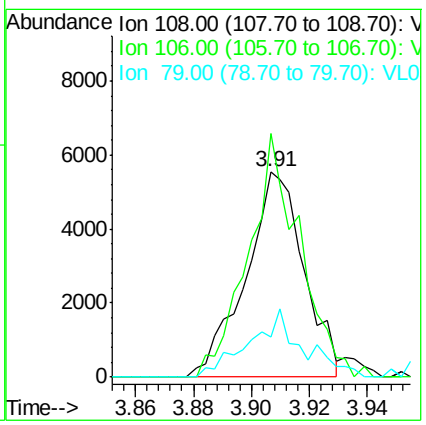


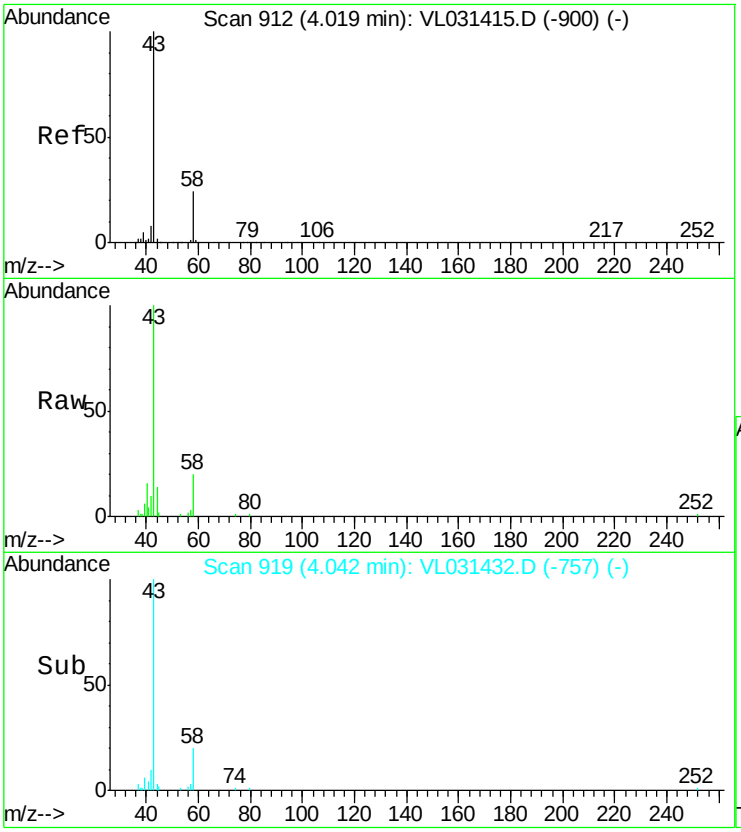


#14
Bromoethene
Concen: 0.14 ppbv
RT: 3.91 min Scan# 877
Delta R.T. 0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion:108 Resp: 7717

Ion	Ratio	Lower	Upper
108	100		
106	105.4	85.3	127.9
79	30.8	16.8	25.2#



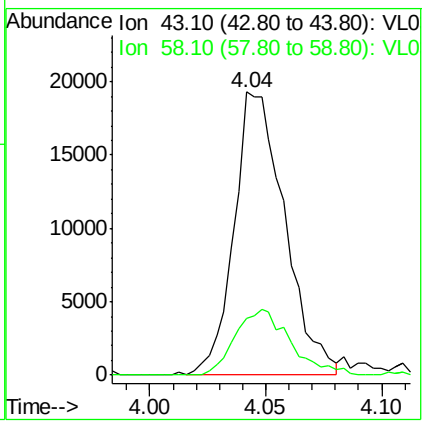


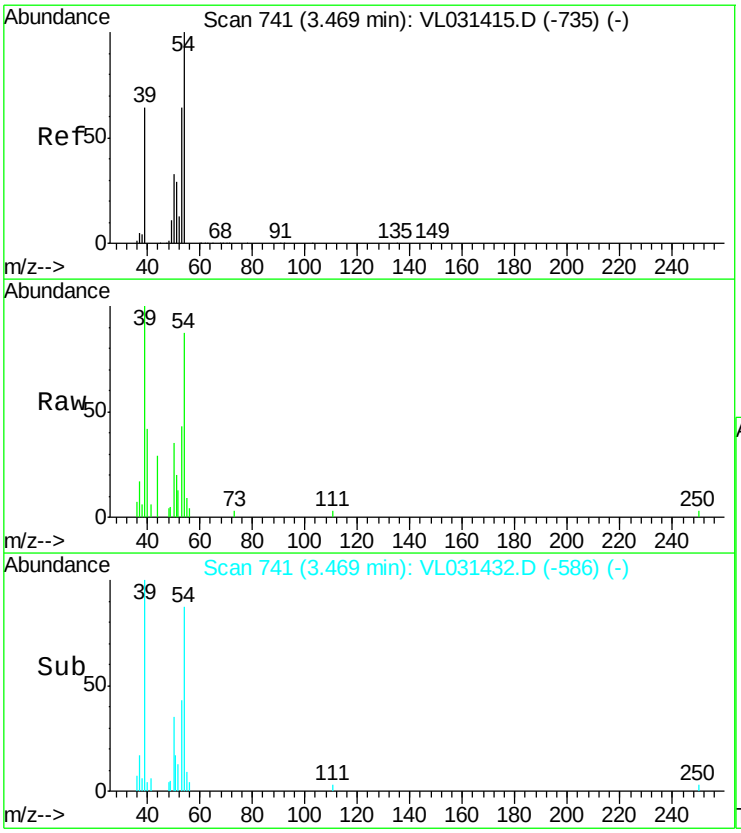
#15
Acetone
Concen: 0.19 ppbv
RT: 4.04 min Scan# 919
Delta R.T. 0.02 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Tgt Ion: 43 Resp: 29345

Ion	Ratio	Lower	Upper
43	100		
58	25.2	19.4	29.2

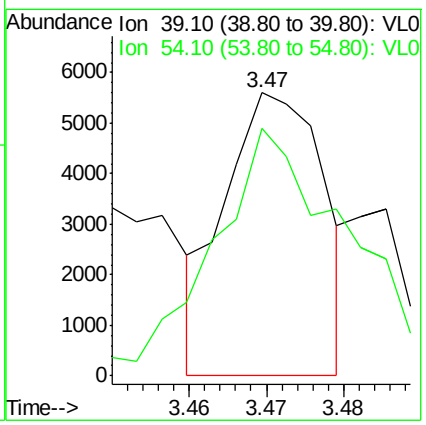


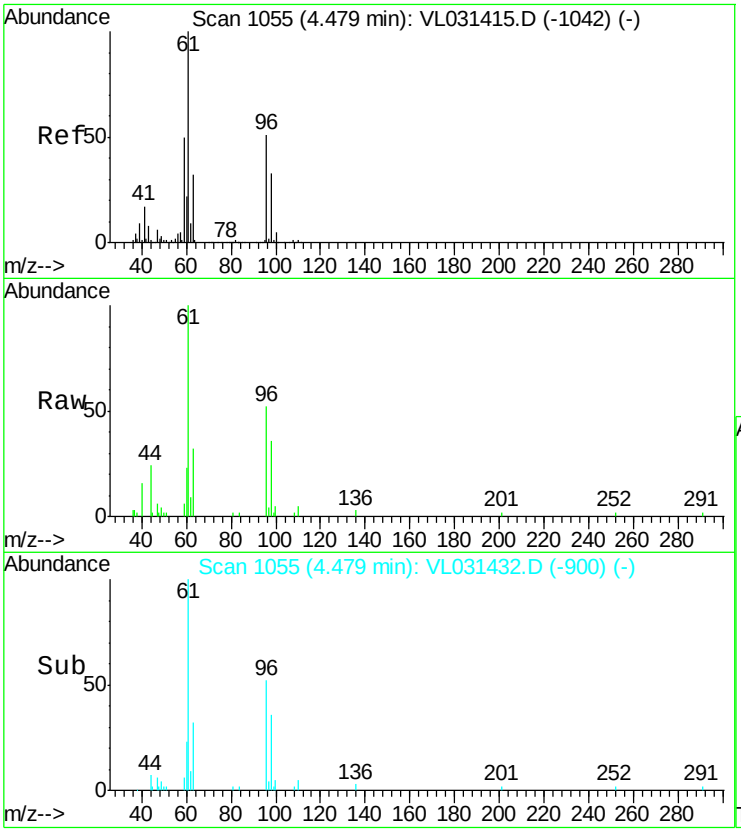


#16
1,3-Butadiene
Concen: 0.07 ppbv
RT: 3.47 min Scan# 741
Delta R.T. -0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 39 Resp: 4959

Ion	Ratio	Lower	Upper
39	100		
54	127.7	67.0	100.6#



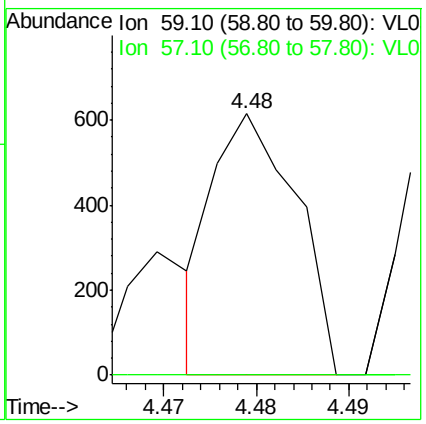


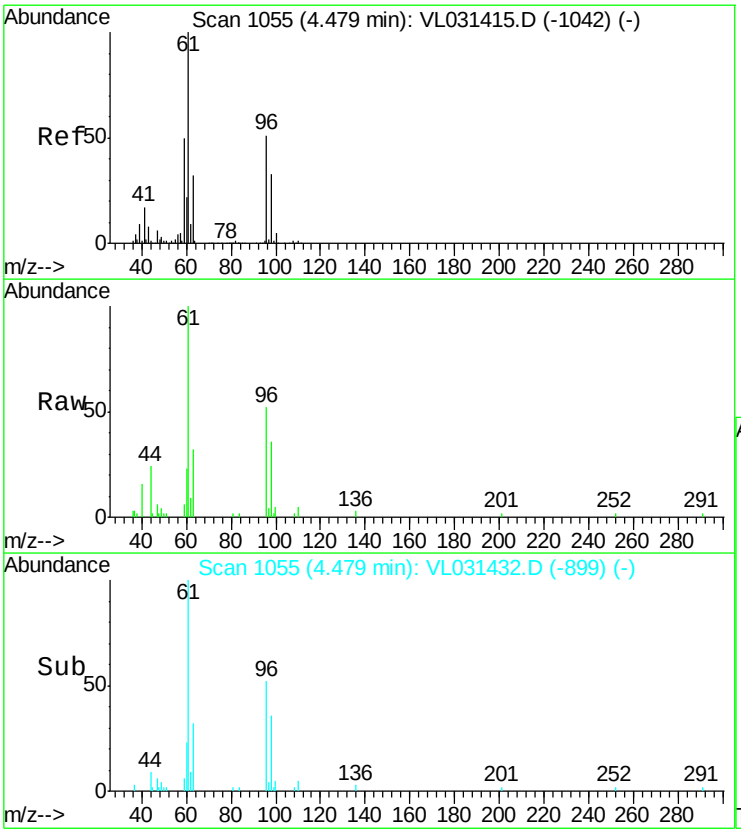
#17
tert-Butyl alcohol
Concen: 0.01 ppbv
RT: 4.48 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tgt Ion: 59 Resp: 384

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	13.0#

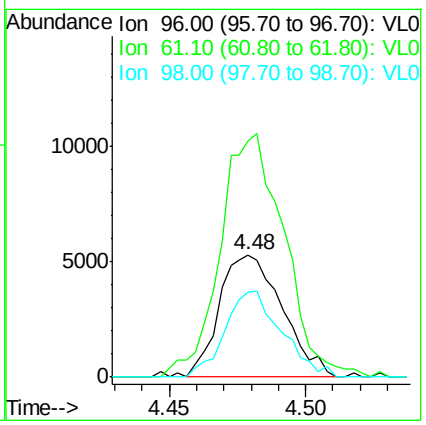


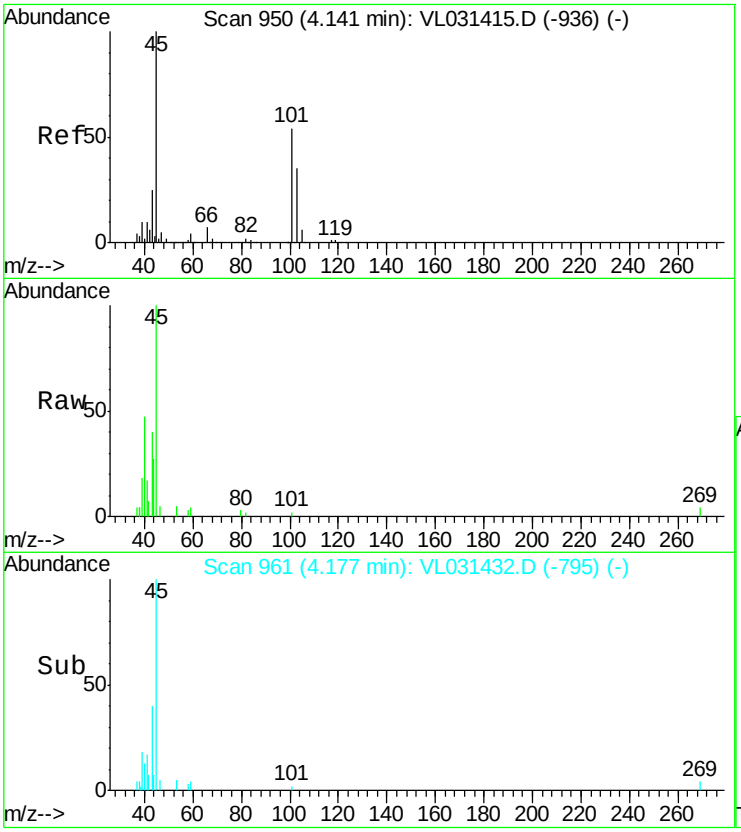


#18
1,1-Dichloroethene
Concen: 0.14 ppbv
RT: 4.48 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 96 Resp: 8463

Ion	Ratio	Lower	Upper
96	100		
61	184.2	161.6	242.4
98	69.2	49.6	74.4



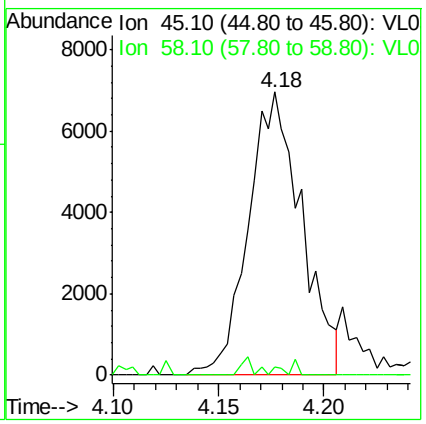


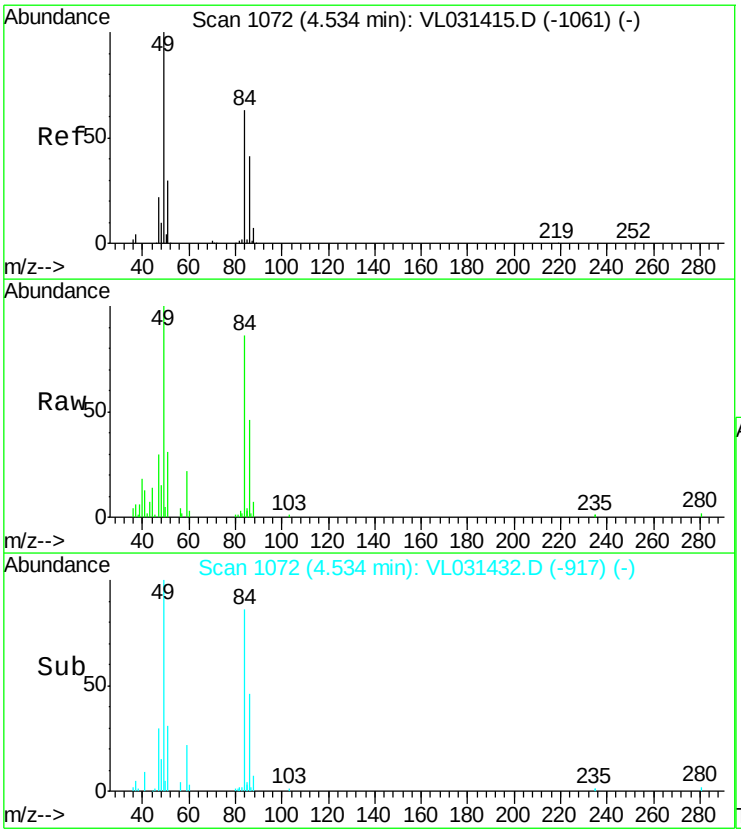
#19
Isopropyl Alcohol
Concen: 0.12 ppbv
RT: 4.18 min Scan# 961
Delta R.T. 0.03 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tgt Ion: 45 Resp: 12210

Ion	Ratio	Lower	Upper
45	100		
58	2.6	1.0	1.4#

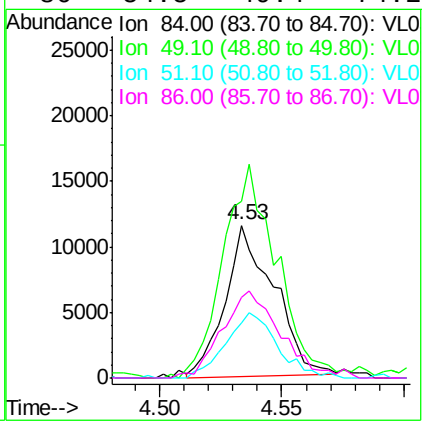


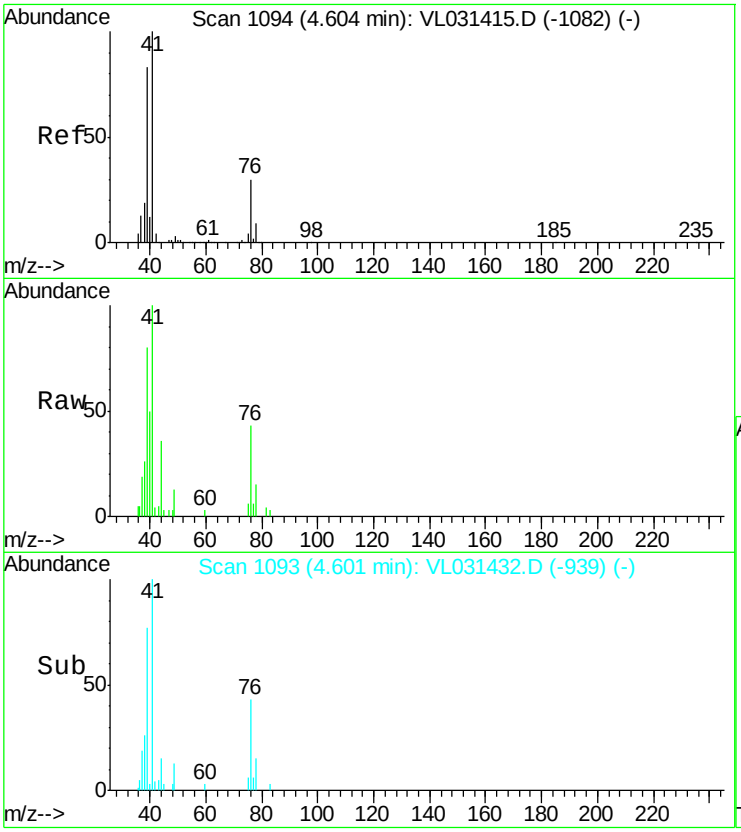


#20
Methylene Chloride
Concen: 0.26 ppbv
RT: 4.53 min Scan# 1072
Delta R.T. -0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 84 Resp: 15967

Ion	Ratio	Lower	Upper
84	100		
49	114.4	123.4	185.0#
51	37.3	35.6	53.4
86	54.5	49.4	74.2



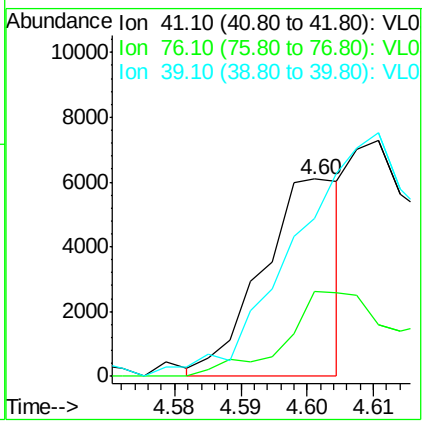


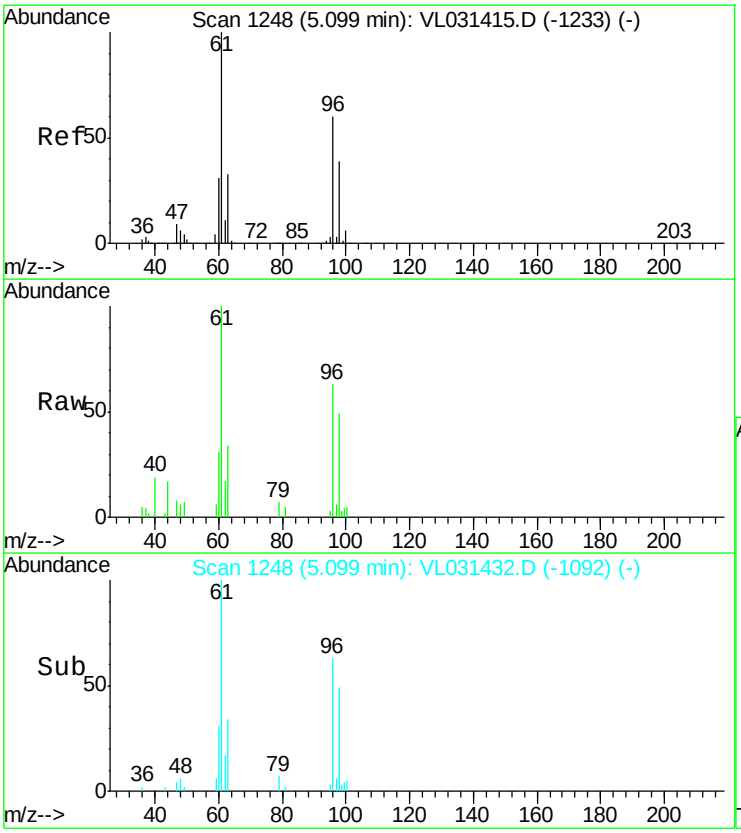
#21
Allyl Chloride
Concen: 0.05 ppbv
RT: 4.60 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Tgt Ion: 41 Resp: 5066

Ion	Ratio	Lower	Upper
41	100		
76	68.4	24.2	36.2#
39	0.0	69.8	104.8#

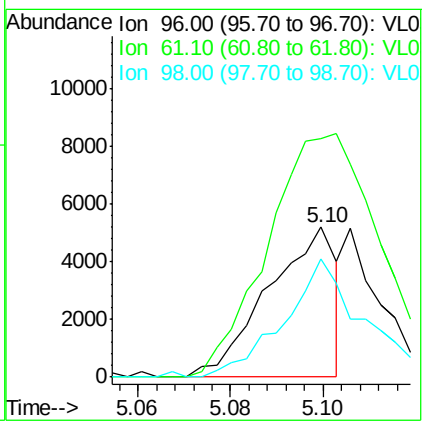


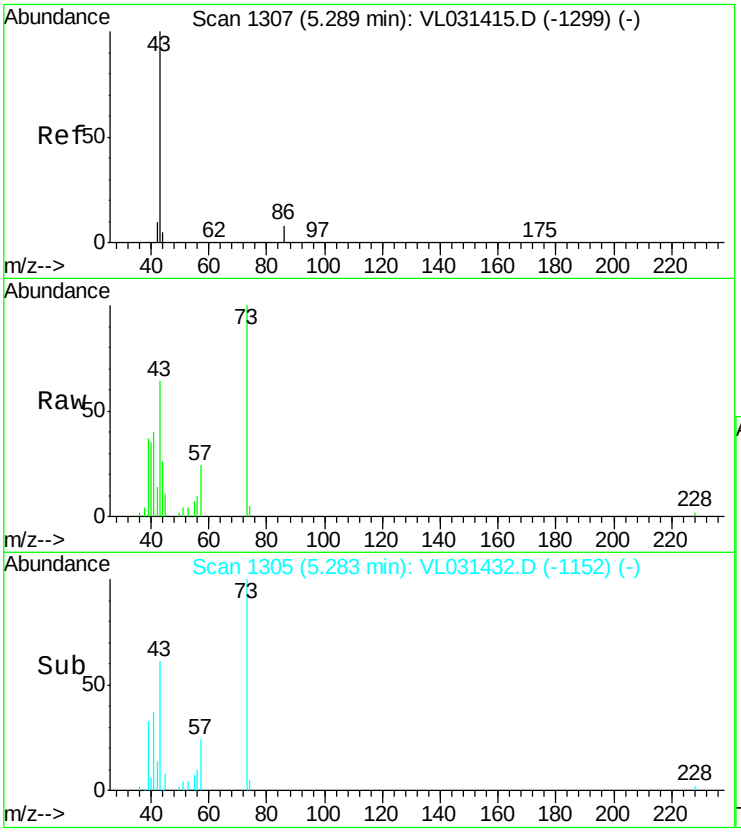


#22
trans-1,2-Dichloroethene
Concen: 0.08 ppbv
RT: 5.10 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 96 Resp: 5303

Ion	Ratio	Lower	Upper
96	100		
61	159.3	135.0	202.4
98	78.8	52.2	78.2#



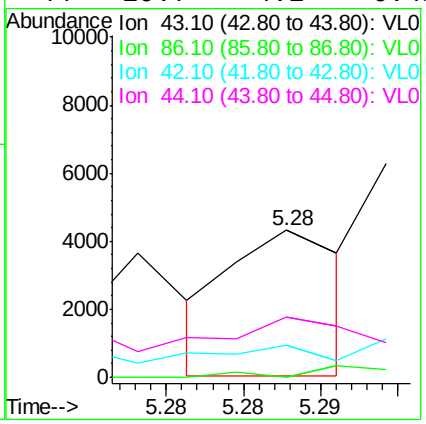


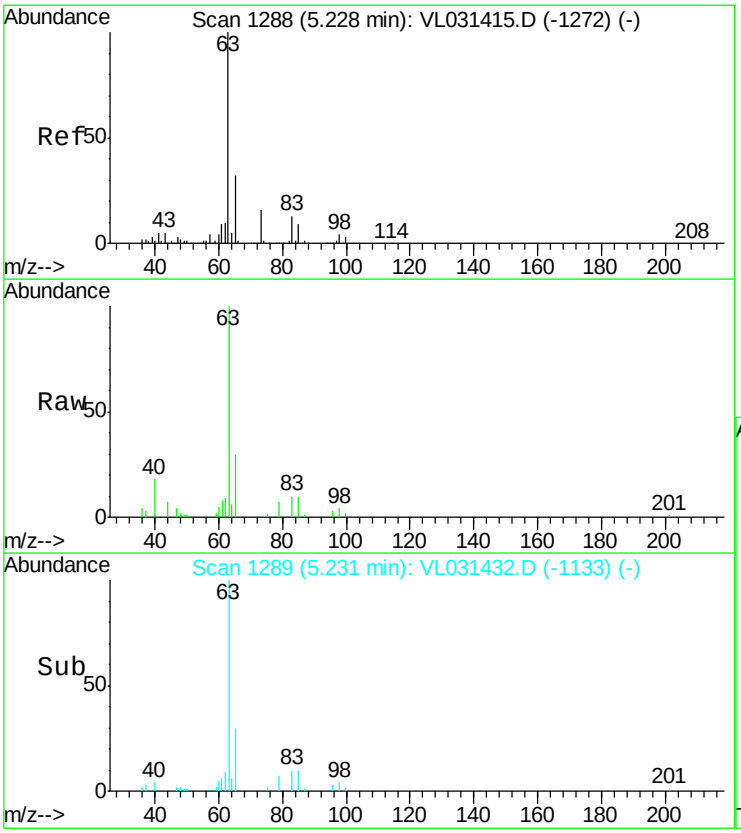
#23
Vinyl Acetate
Concen: 0.01 ppbv
RT: 5.28 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Tgt Ion: 43 Resp: 2173

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.6	8.4#
42	21.1	8.6	12.8#
44	29.7	4.2	6.4#

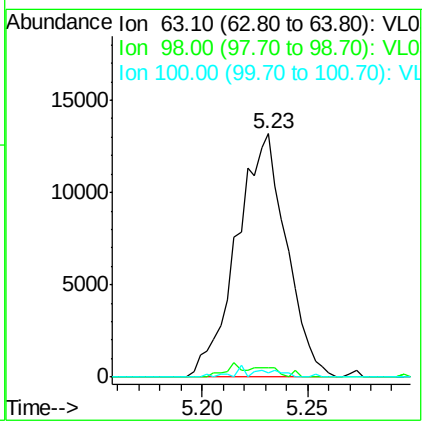


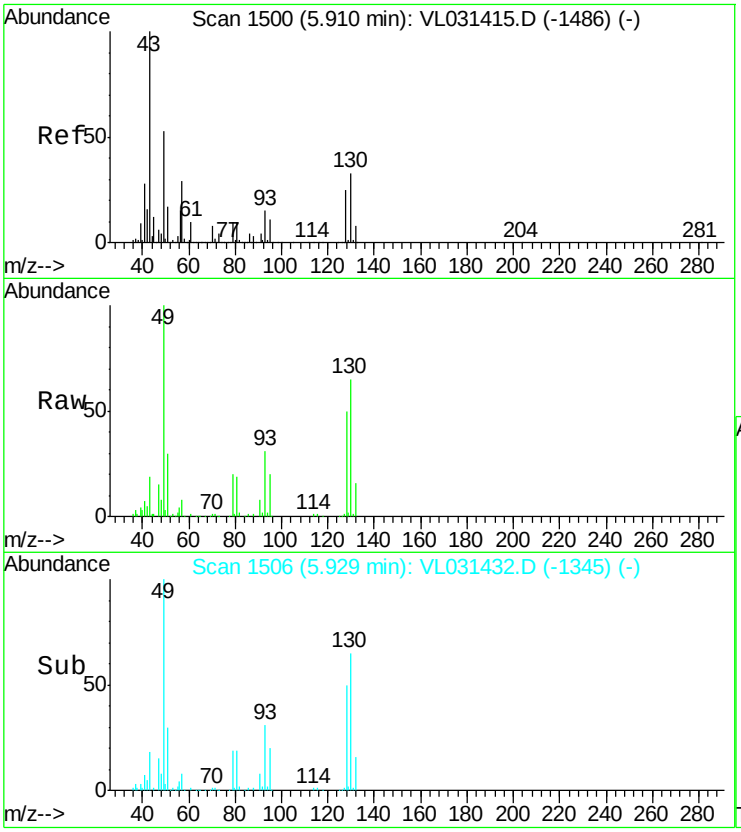


#24
1,1-Dichloroethane
Concen: 0.13 ppbv
RT: 5.23 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 63 Resp: 21606

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.4	7.1
100	1.8	1.3	3.9



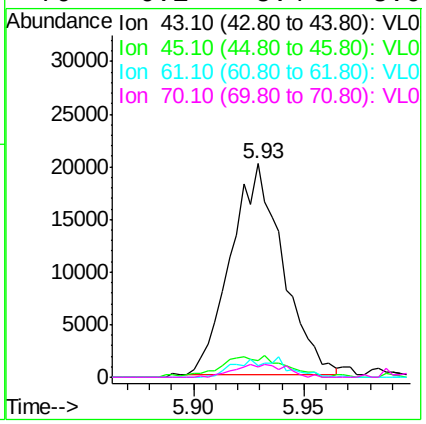


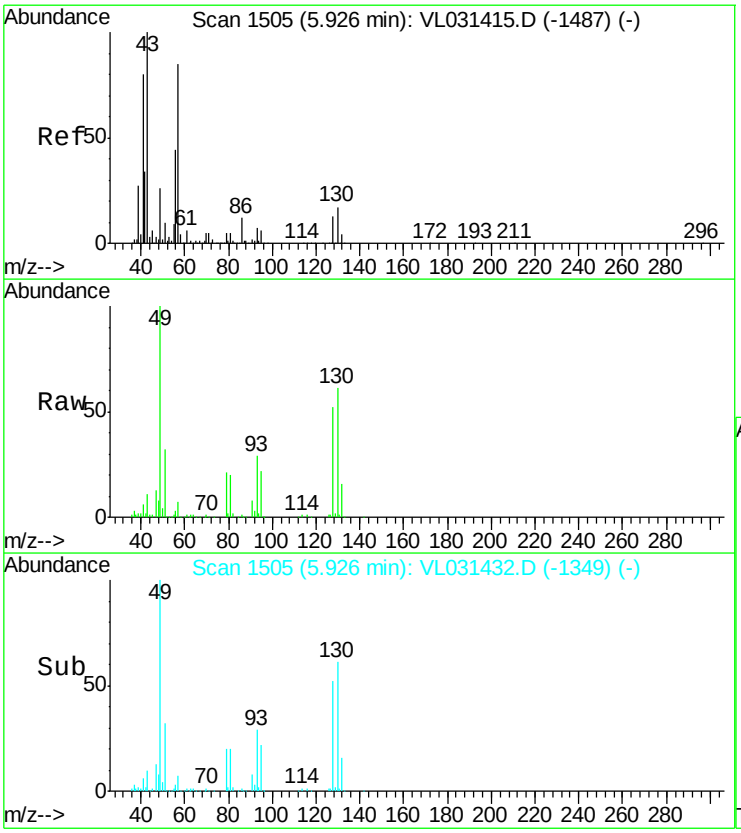
#25
Ethyl Acetate
Concen: 0.12 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.02 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Tgt Ion: 43 Resp: 33159

Ion	Ratio	Lower	Upper
43	100		
45	12.5	7.8	11.6#
61	8.8	7.0	10.6
70	6.1	5.4	8.0

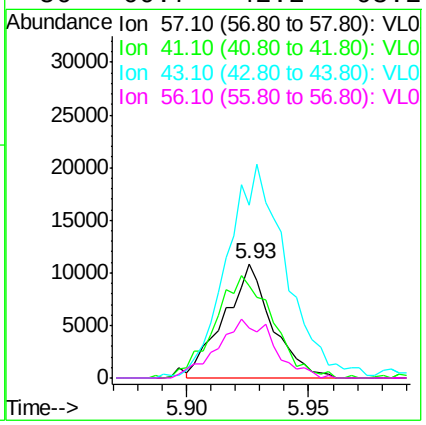


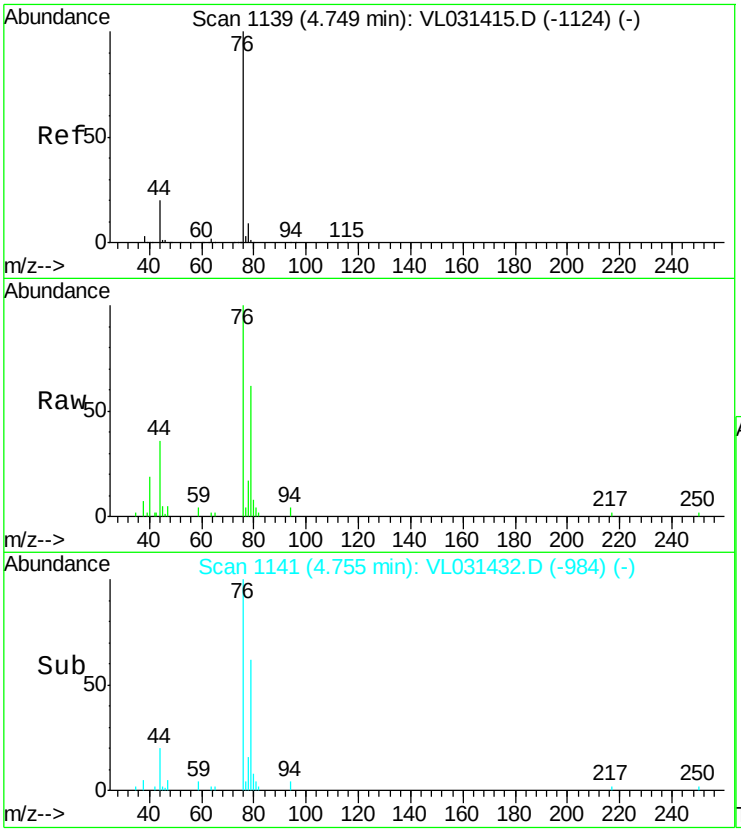


#26
Hexane
Concen: 0.12 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 57 Resp: 14800

Ion	Ratio	Lower	Upper
57	100		
41	109.4	77.1	115.7
43	242.2	180.7	271.1
56	60.7	42.2	63.2



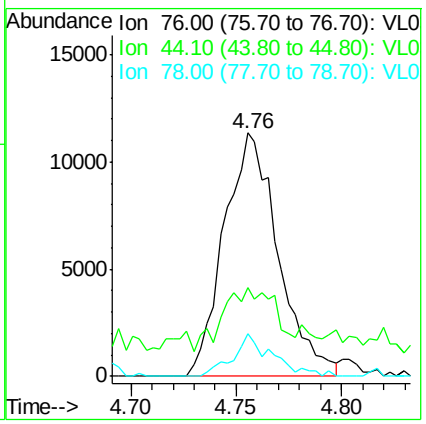


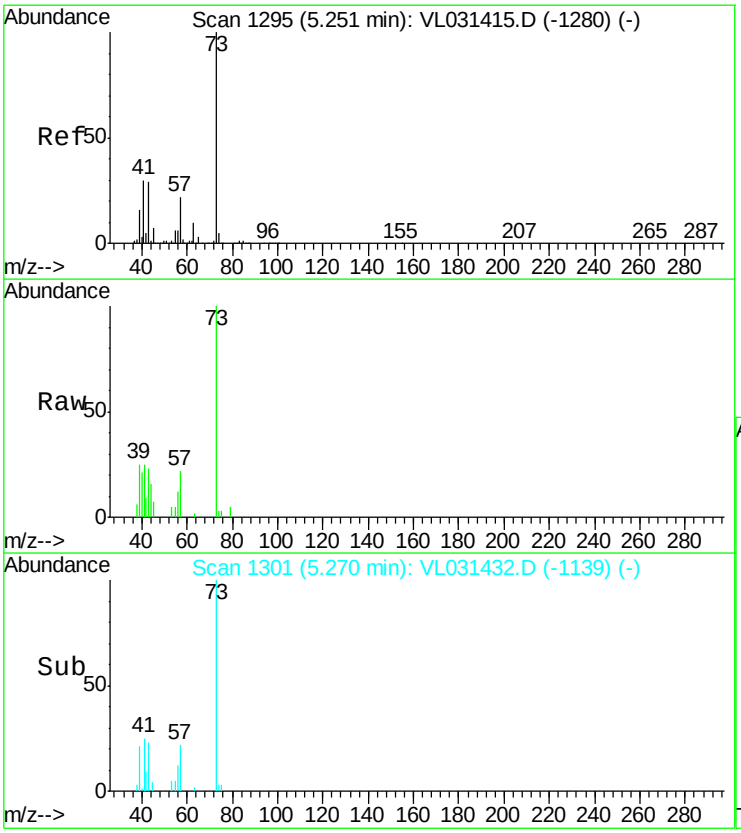
#27
Carbon Disulfide
Concen: 0.12 ppbv
RT: 4.76 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Tgt Ion: 76 Resp: 20282

Ion	Ratio	Lower	Upper
76	100		
44	28.7	16.7	25.1#
78	12.7	7.5	11.3#

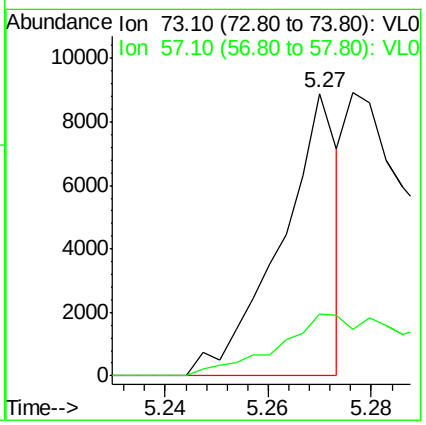


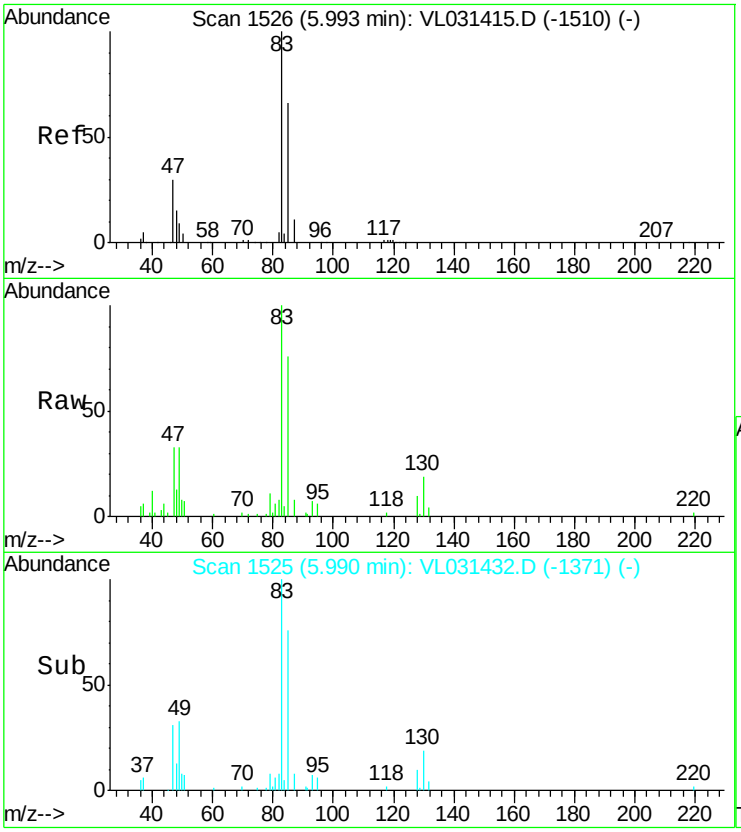


#28
Methyl tert-Butyl Ether
Concen: 0.05 ppbv
RT: 5.27 min Scan# 1301
Delta R.T. 0.02 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 73 Resp: 6838

Ion	Ratio	Lower	Upper
73	100		
57	53.6	17.5	26.3#



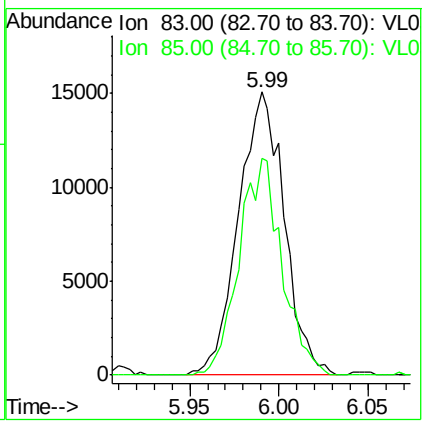


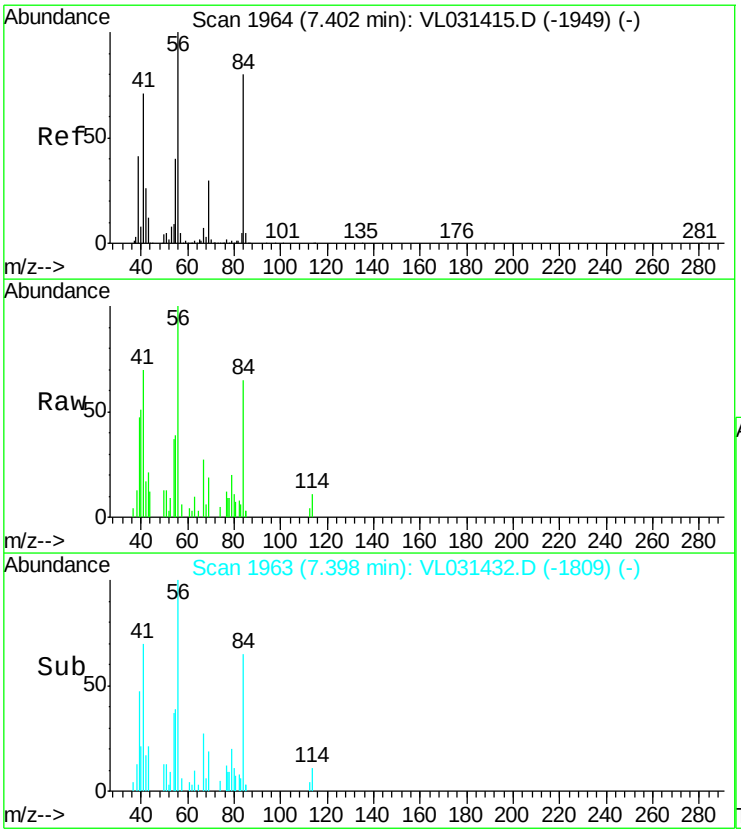
#29
Chloroform
Concen: 0.13 ppbv
RT: 5.99 min Scan# 1525
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Tgt Ion: 83 Resp: 26957

Ion	Ratio	Lower	Upper
83	100		
85	76.4	51.3	76.9

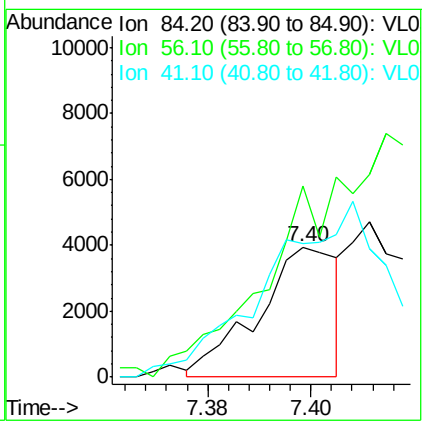


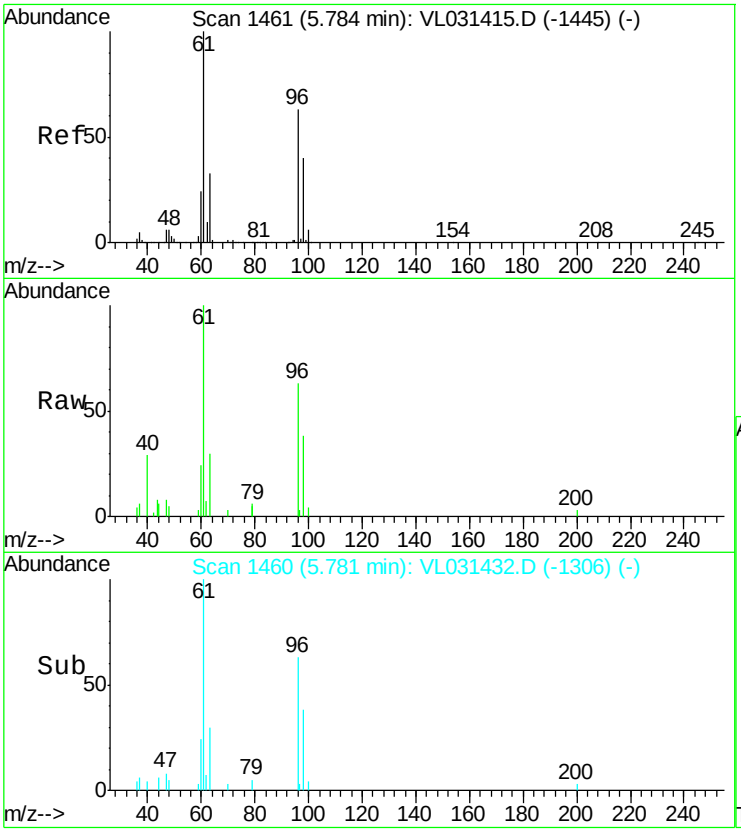


#30
Cyclohexane
Concen: 0.04 ppbv
RT: 7.40 min Scan# 1963
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 84 Resp: 4218

Ion	Ratio	Lower	Upper
84	100		
56	0.0	109.0	163.4#
41	0.0	73.3	109.9#



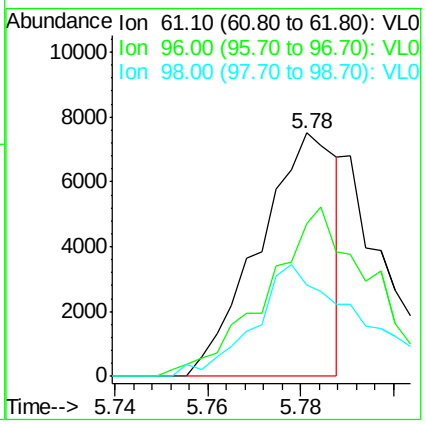


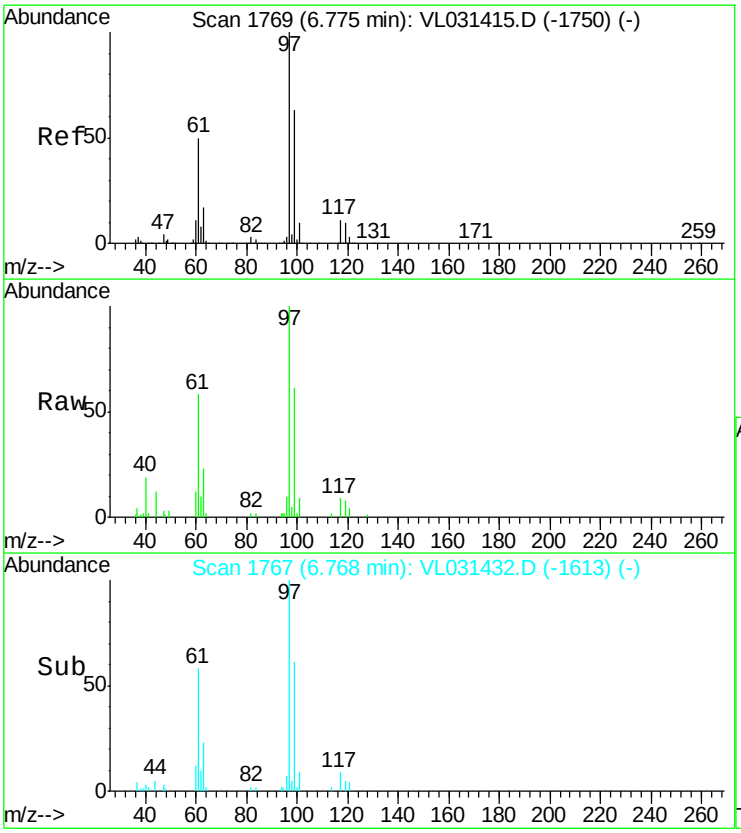
#31
cis-1,2-Dichloroethene
Concen: 0.07 ppbv
RT: 5.78 min Scan# 1460
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Tgt Ion: 61 Resp: 8700

Ion	Ratio	Lower	Upper
61	100		
96	60.6	51.3	76.9
98	32.8	33.6	50.4#

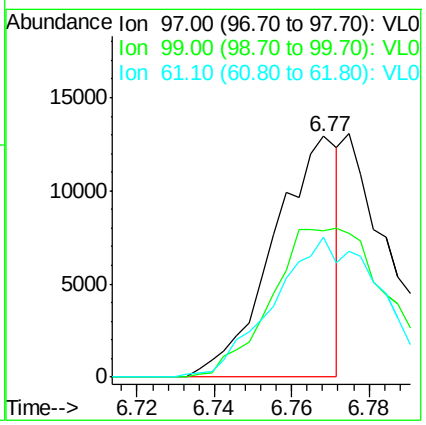


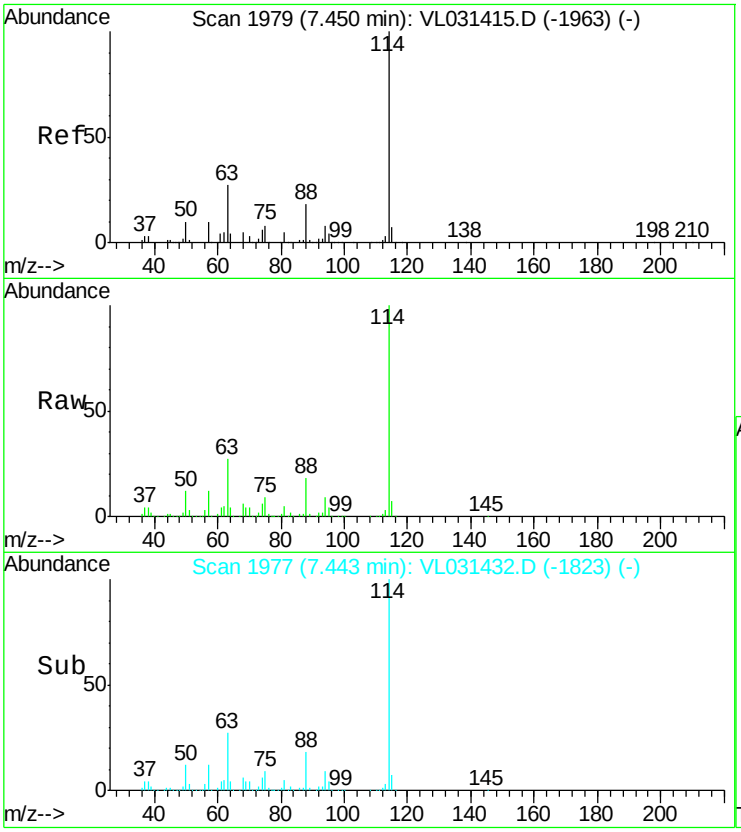


#32
1,1,1-Trichloroethane
Concen: 0.07 ppbv
RT: 6.77 min Scan# 1767
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 97 Resp: 14980

Ion	Ratio	Lower	Upper
97	100		
99	111.6	51.9	77.9#
61	98.6	40.6	61.0#



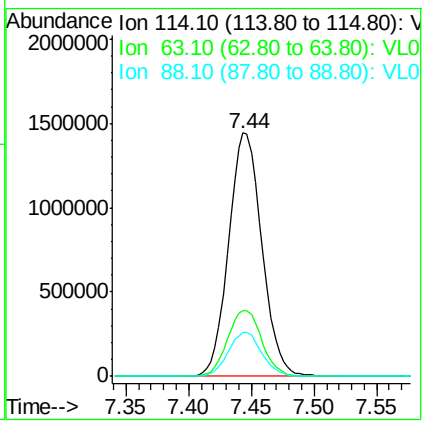


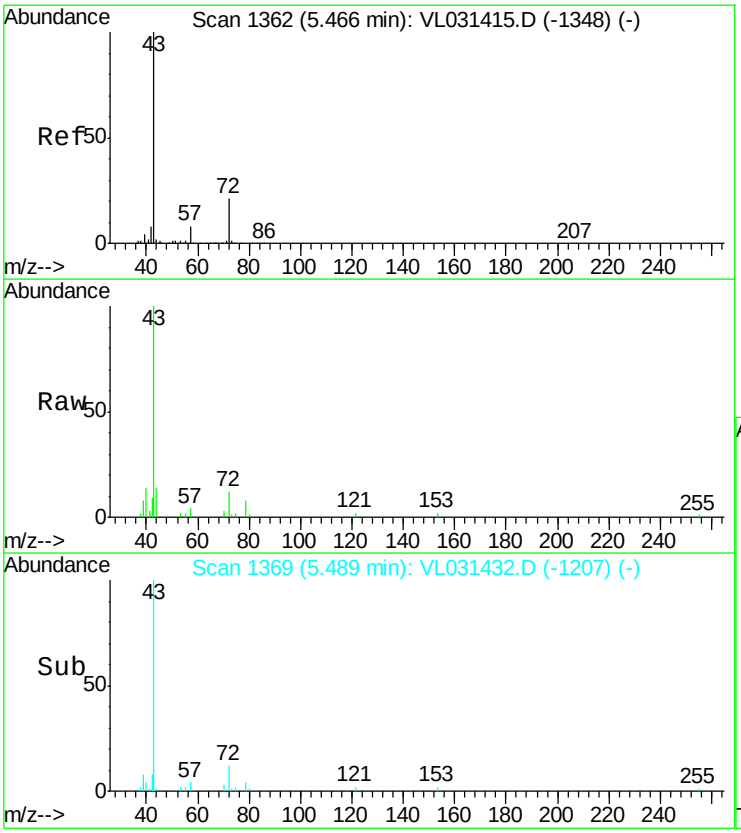
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.44 min Scan# 1977
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tgt Ion:114 Resp: 2657539

Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.5	33.7
88	18.3	14.6	22.0

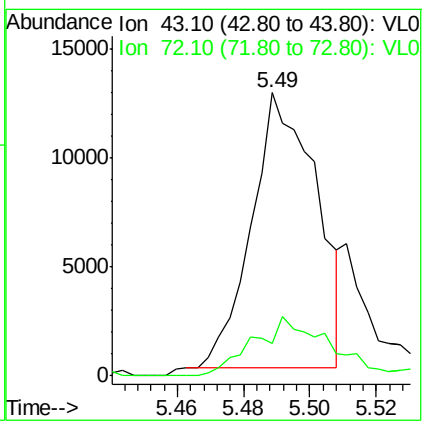


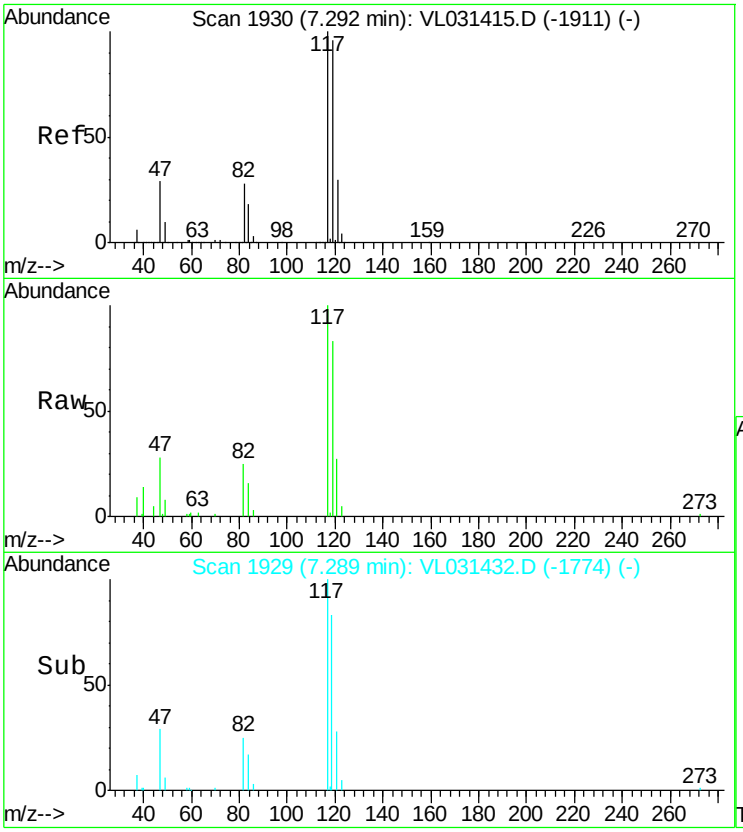


#34
2-Butanone
Concen: 0.10 ppbv
RT: 5.49 min Scan# 1369
Delta R.T. 0.02 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 43 Resp: 17073

Ion	Ratio	Lower	Upper
43	100		
72	26.0	16.8	25.2#



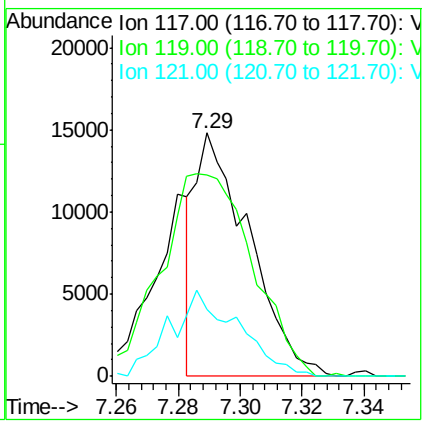


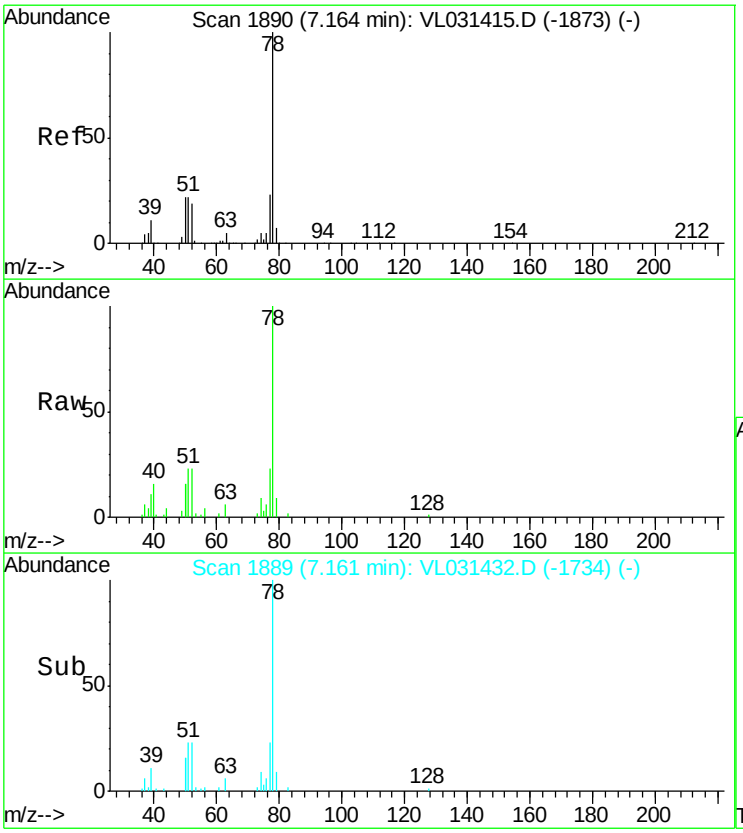
#35
Carbon Tetrachloride
Concen: 0.08 ppbv
RT: 7.29 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Tgt Ion:117 Resp: 17745

Ion	Ratio	Lower	Upper
117	100		
119	81.6	74.2	111.4
121	27.3	24.2	36.4

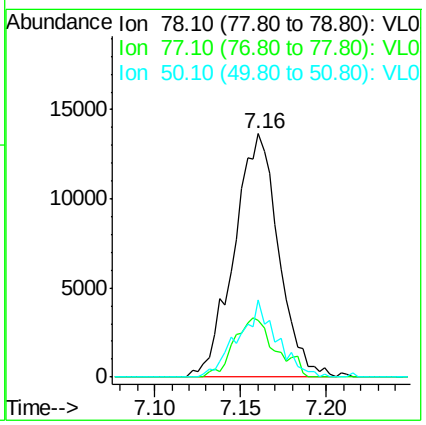


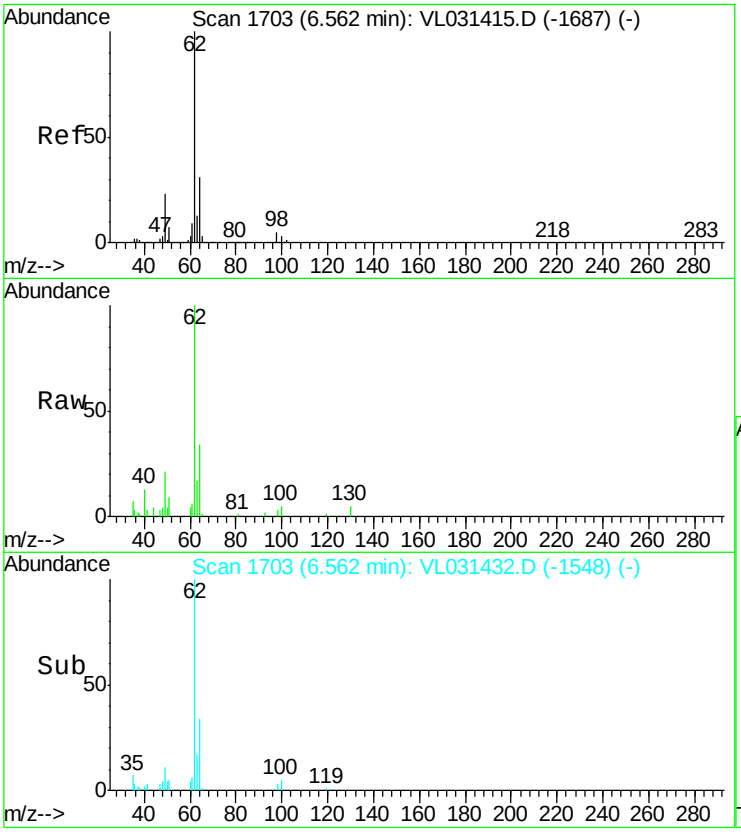


#36
Benzene
Concen: 0.10 ppbv
RT: 7.16 min Scan# 1889
Delta R.T. -0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 78 Resp: 24563

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1
50	31.7	18.4	27.6#



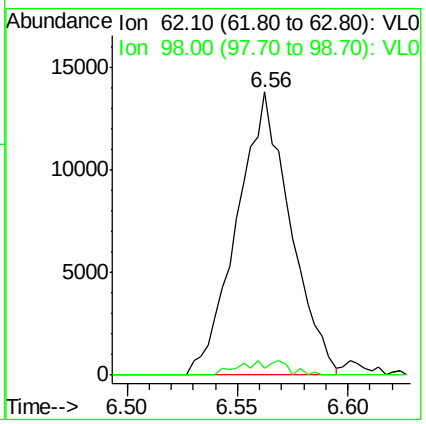


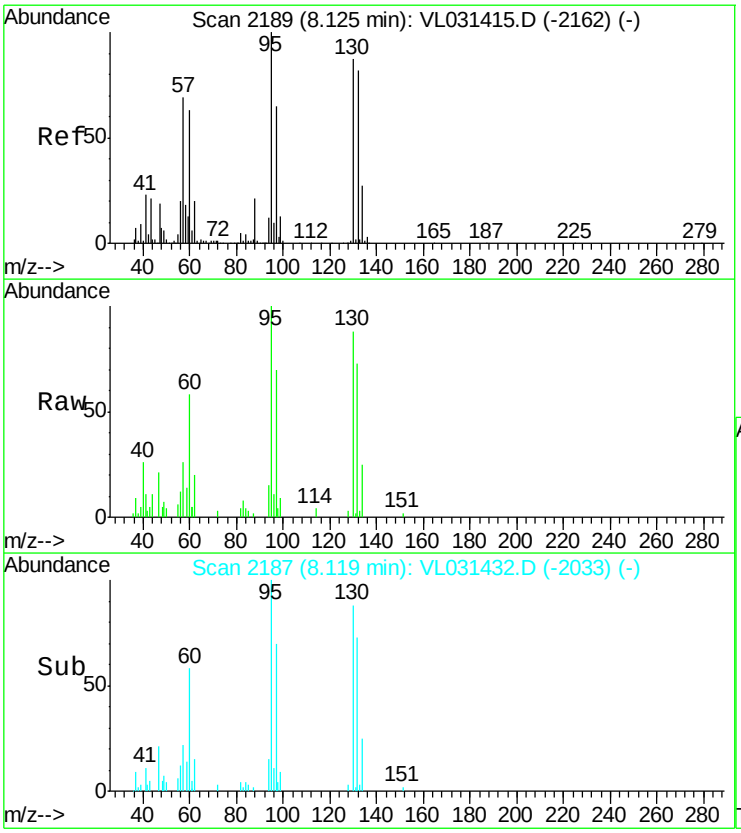
#37
1,2-Dichloroethane
Concen: 0.13 ppbv
RT: 6.56 min Scan# 1703
Delta R.T. -0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Tgt Ion: 62 Resp: 23307

Ion	Ratio	Lower	Upper
62	100		
98	4.4	4.1	6.1

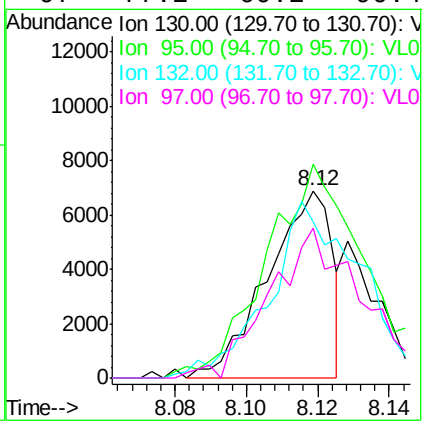


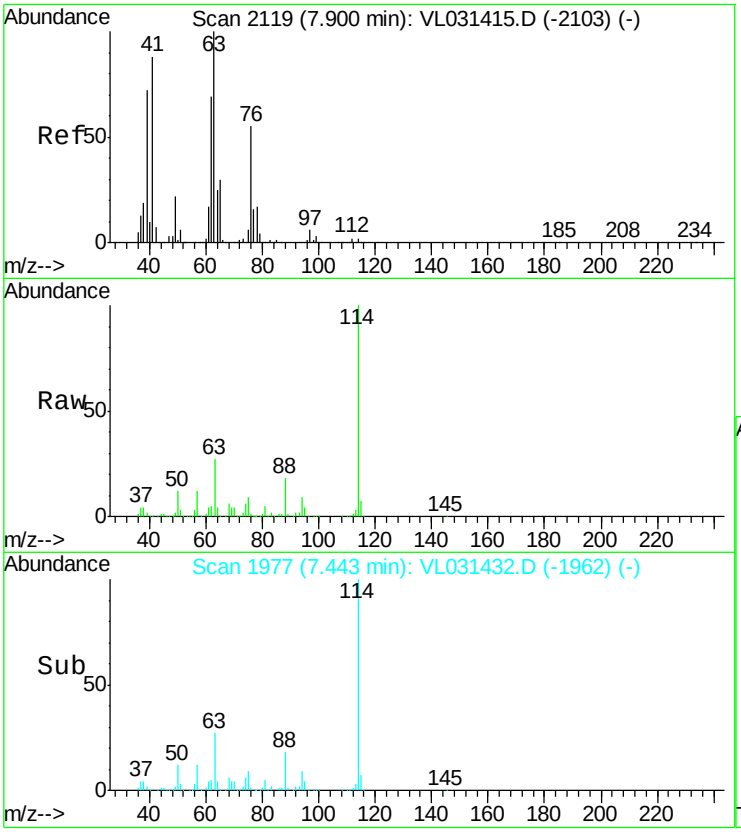


#38
Trichloroethene
Concen: 0.09 ppbv
RT: 8.12 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion:130 Resp: 8595

Ion	Ratio	Lower	Upper
130	100		
95	108.0	92.9	139.3
132	79.9	74.9	112.3
97	77.2	60.2	90.4



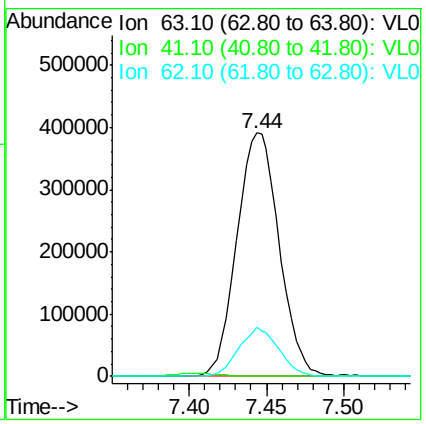


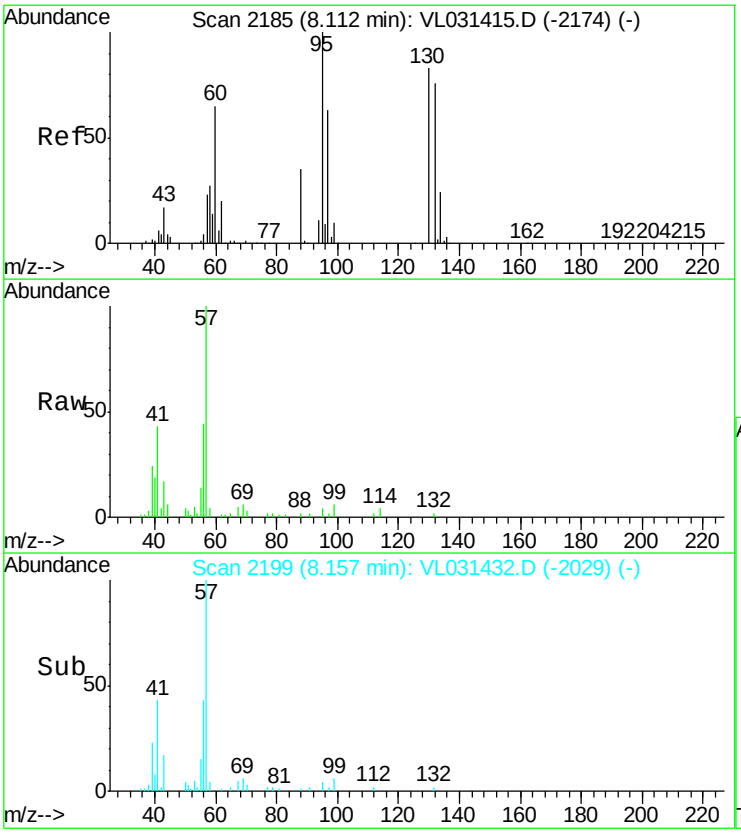
#39
1,2-Dichloropropane
Concen: 8.35 ppbv
RT: 7.44 min Scan# 1977
Delta R.T. -0.45 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Tgt Ion: 63 Resp: 740872

Ion	Ratio	Lower	Upper
63	100		
41	0.1	67.6	101.4#
62	20.1	51.8	77.6#

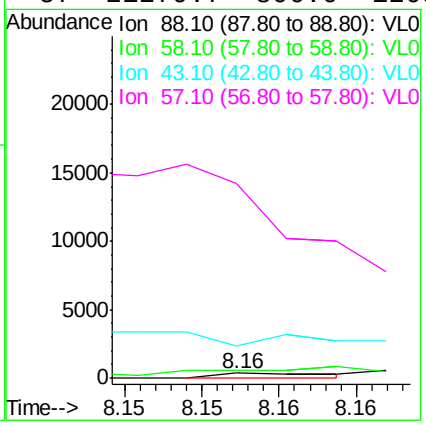


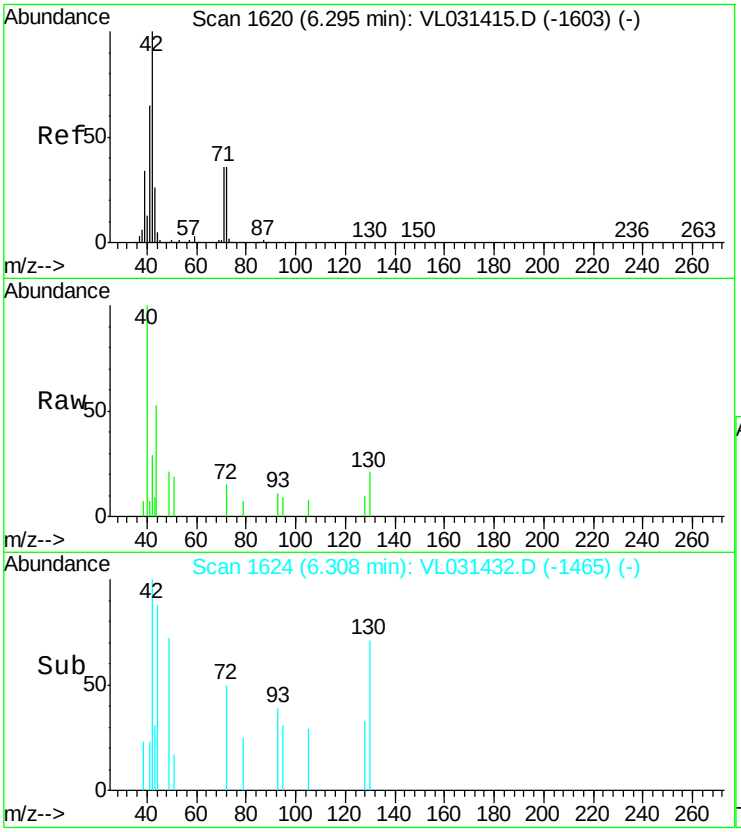


#40
1,4-Dioxane
Concen: 0.00 ppbv
RT: 8.16 min Scan# 2199
Delta R.T. 0.05 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 88 Resp: 172

Ion	Ratio	Lower	Upper
88	100		
58	1095.3	98.2	147.2#
43	5995.9	197.3	295.9#
57	21279.7	806.0	1209.0#



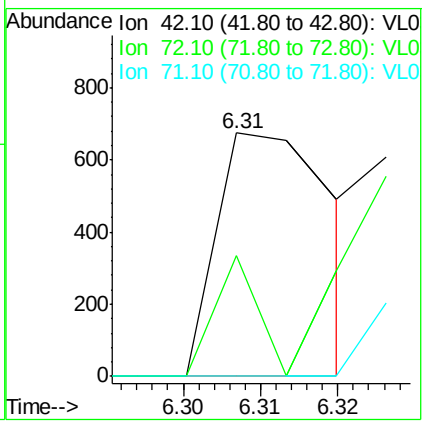


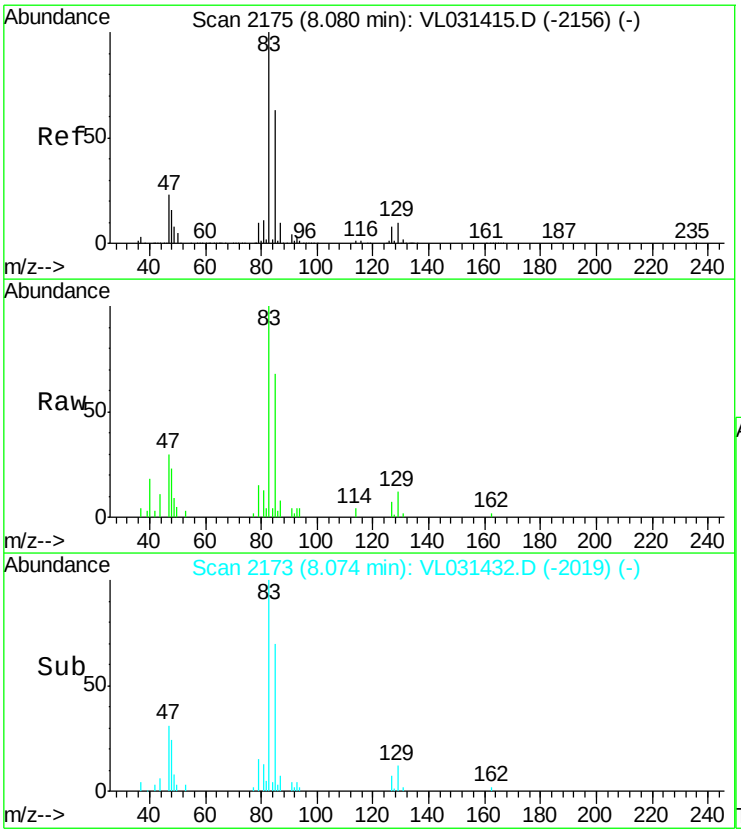
#41
Tetrahydrofuran
Concen: 0.00 ppbv
RT: 6.31 min Scan# 1624
Delta R.T. 0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Tgt Ion: 42 Resp: 351

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.4	45.6#
71	0.0	29.2	43.8#

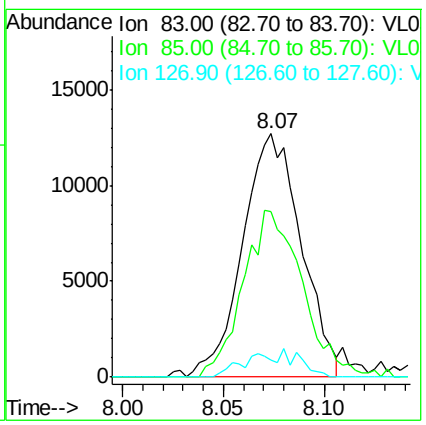


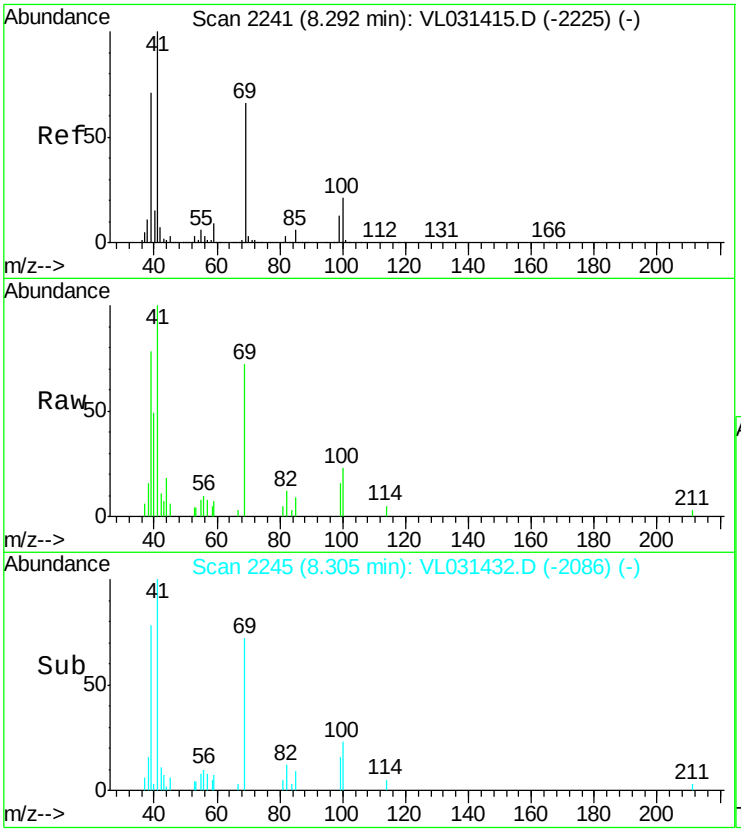


#42
Bromodichloromethane
Concen: 0.12 ppbv
RT: 8.07 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 83 Resp: 25718

Ion	Ratio	Lower	Upper
83	100		
85	68.2	52.1	78.1
127	8.3	6.6	10.0



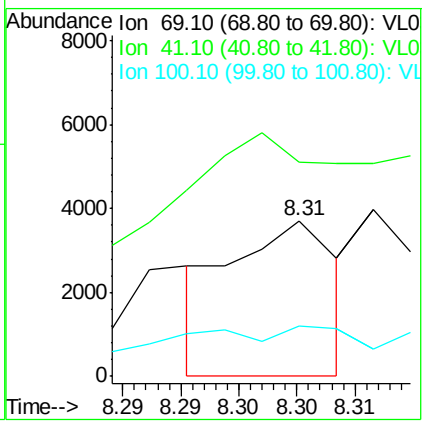


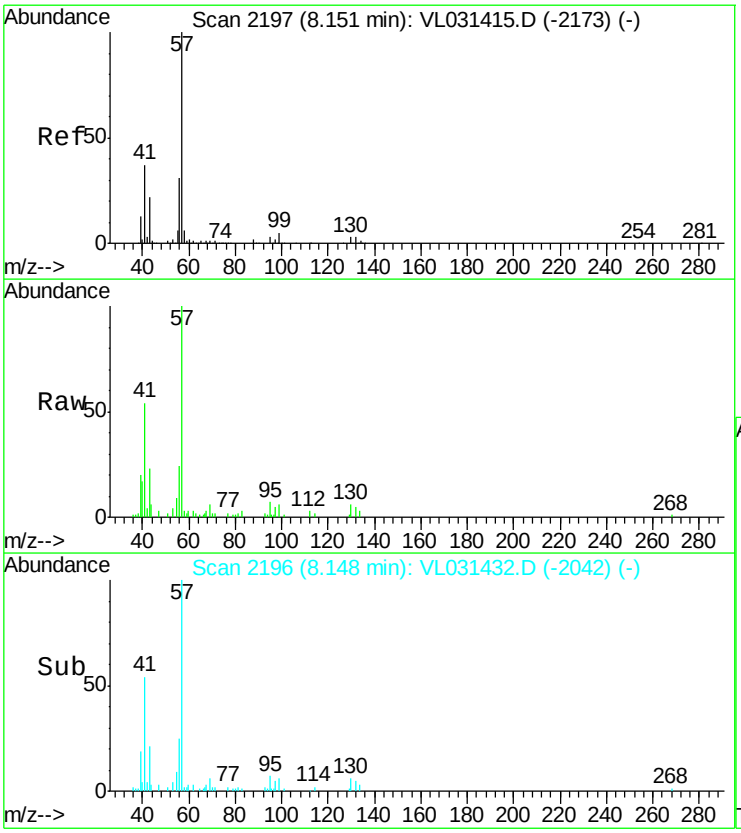
#43
Methyl Methacrylate
Concen: 0.03 ppbv
RT: 8.31 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Tgt Ion: 69 Resp: 2348

Ion	Ratio	Lower	Upper
69	100		
41	527.0	127.0	190.6#
100	94.6	24.6	37.0#

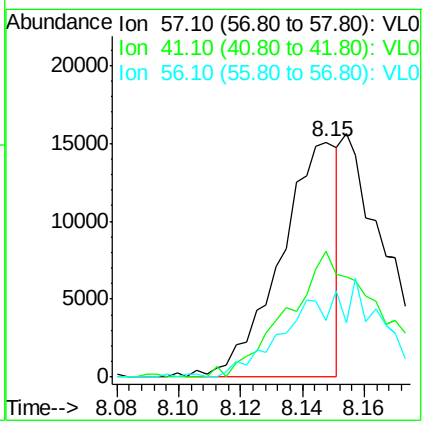


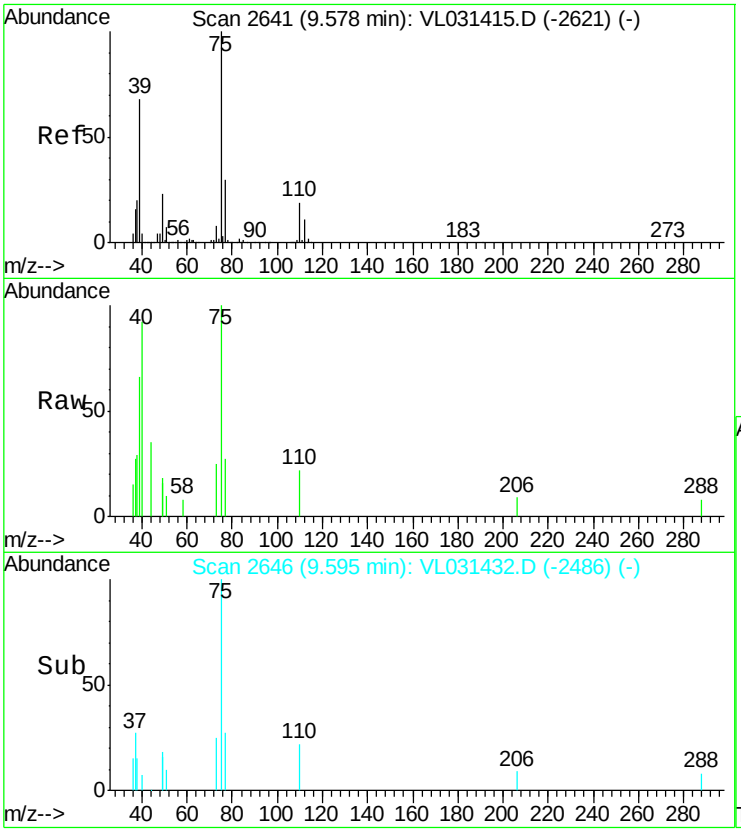


#44
2,2,4-Trimethylpentane
Concen: 0.05 ppbv
RT: 8.15 min Scan# 2196
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 57 Resp: 19417

Ion	Ratio	Lower	Upper
57	100		
41	89.2	28.8	43.2#
56	0.0	24.6	37.0#



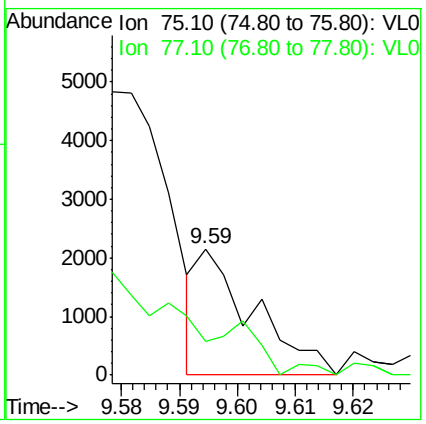


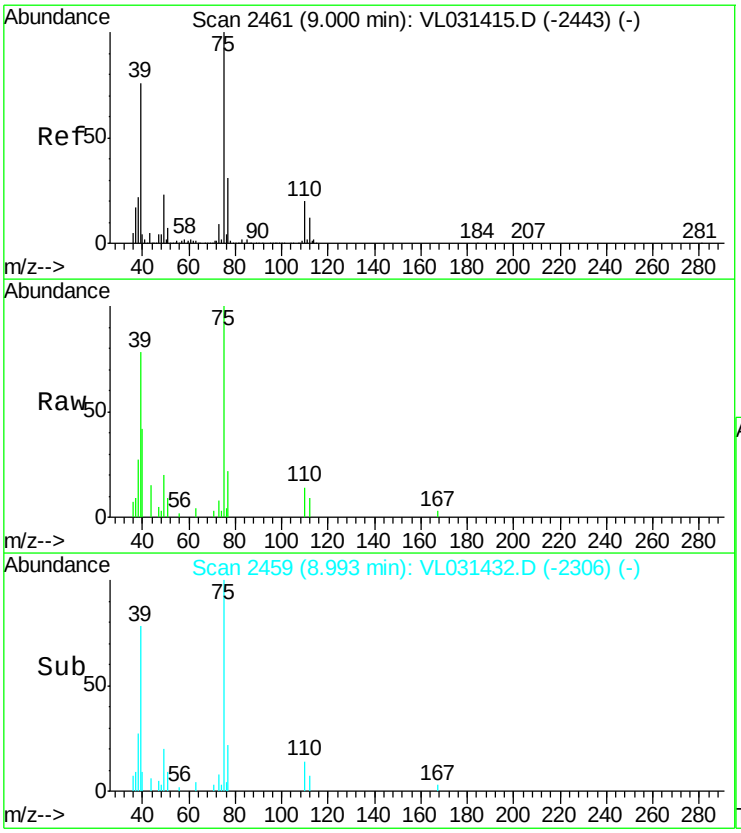
#45
t-1,3-Dichloropropene
Concen: 0.01 ppbv
RT: 9.59 min Scan# 2646
Delta R.T. 0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tgt Ion: 75 Resp: 1435

Ion	Ratio	Lower	Upper
75	100		
77	26.5	25.3	37.9

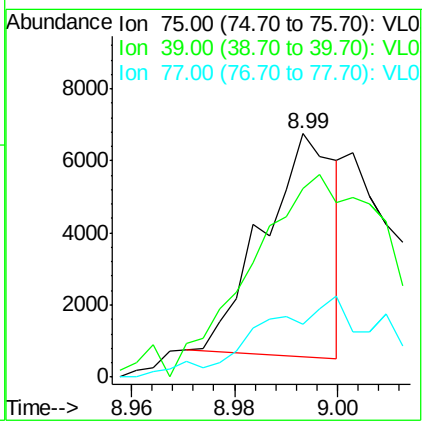


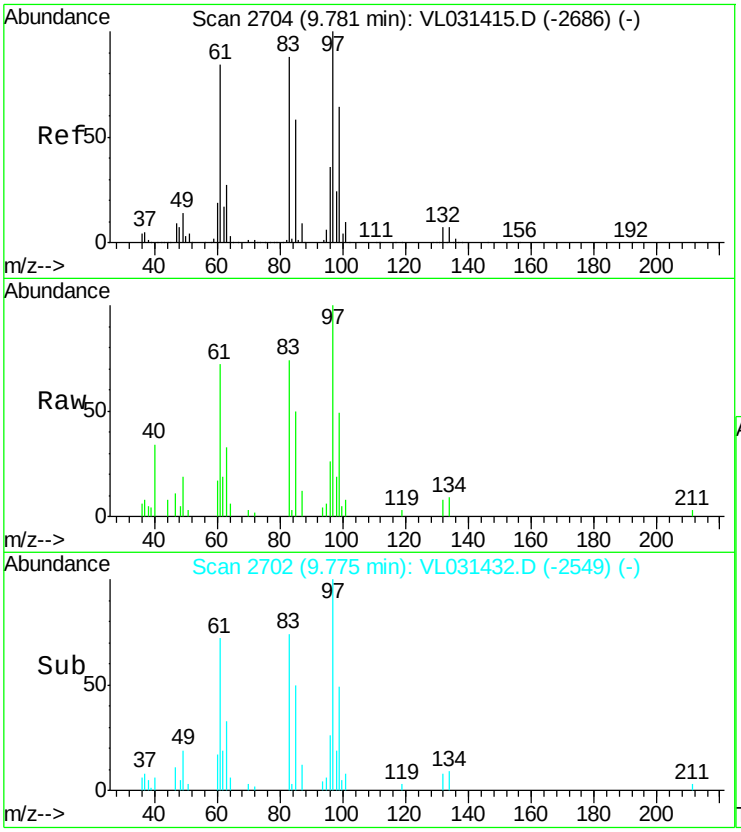


#46
cis-1,3-Dichloropropene
Concen: 0.04 ppbv
RT: 8.99 min Scan# 2459
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 75 Resp: 6000

Ion	Ratio	Lower	Upper
75	100		
39	71.9	59.4	89.0
77	17.0	25.0	37.4#



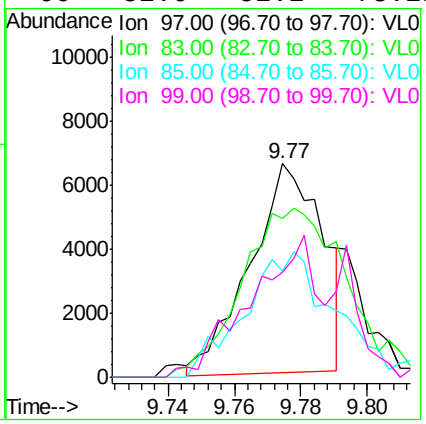


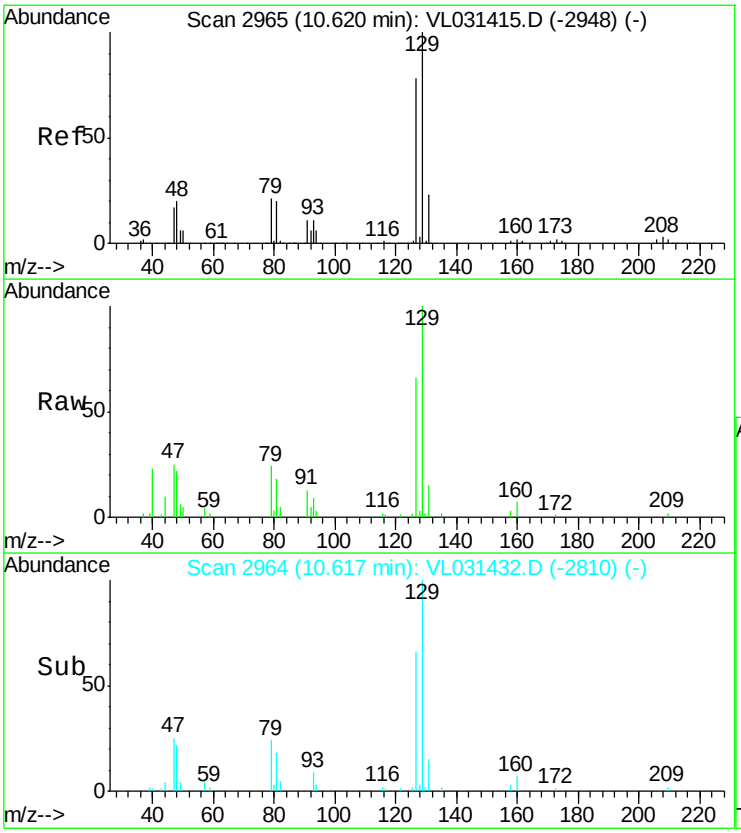
#47
1,1,2-Trichloroethane
Concen: 0.10 ppbv
RT: 9.77 min Scan# 2702
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Tgt Ion: 97 Resp: 9964

Ion	Ratio	Lower	Upper
97	100		
83	73.8	71.4	107.2
85	52.8	46.2	69.2
99	52.0	52.2	78.2#

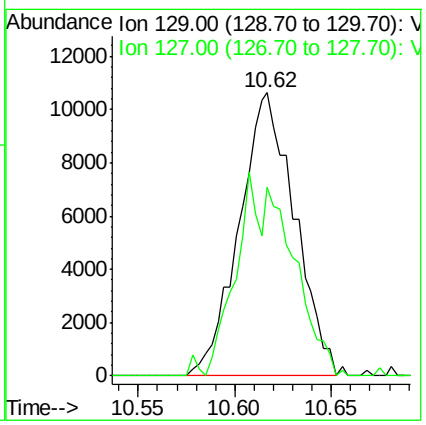


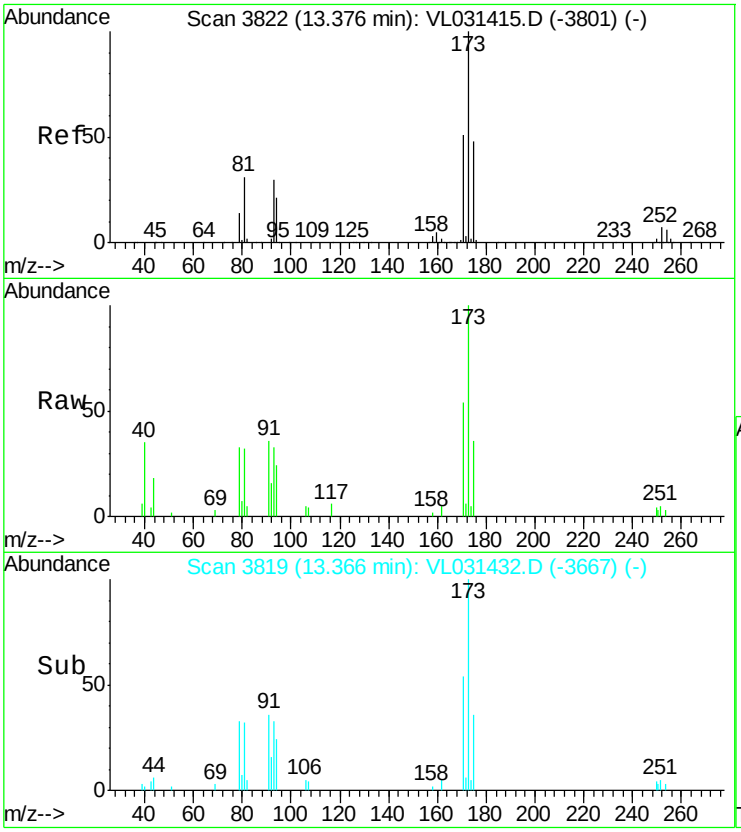


#48
Dibromochloromethane
Concen: 0.11 ppbv
RT: 10.62 min Scan# 2964
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion:129 Resp: 21159

Ion	Ratio	Lower	Upper
129	100		
127	71.8	39.4	118.1



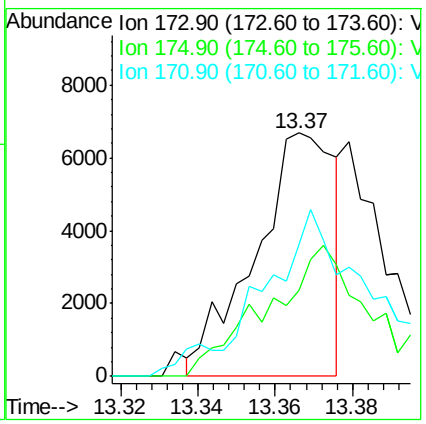


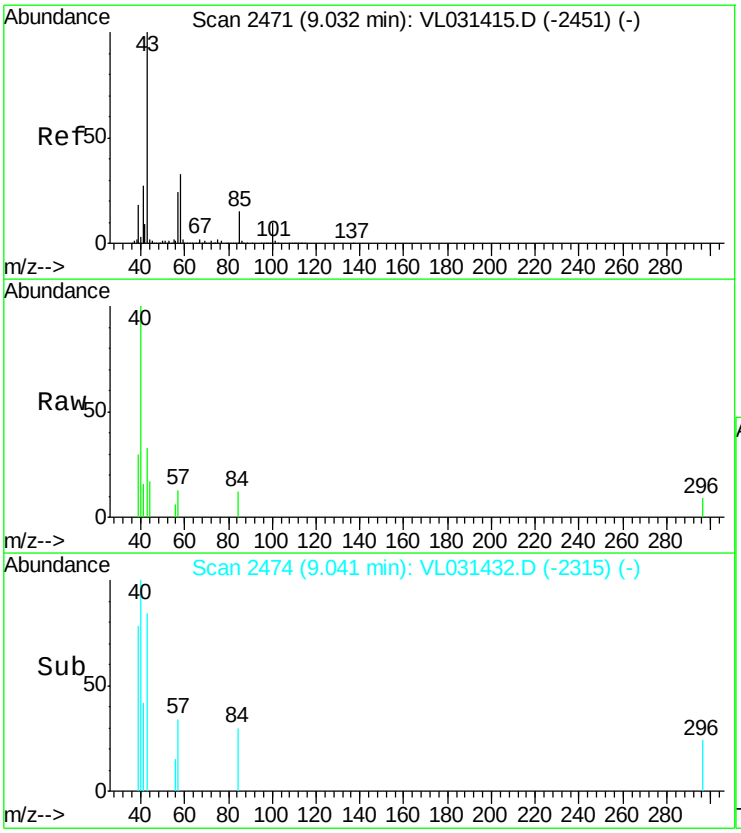
#49
Bromoform
Concen: 0.07 ppbv
RT: 13.37 min Scan# 3819
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tgt Ion:173 Resp: 9518

Ion	Ratio	Lower	Upper
173	100		
175	71.4	39.0	58.4#
171	91.3	42.0	63.0#

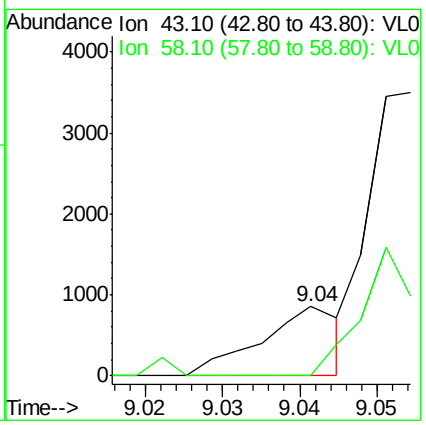


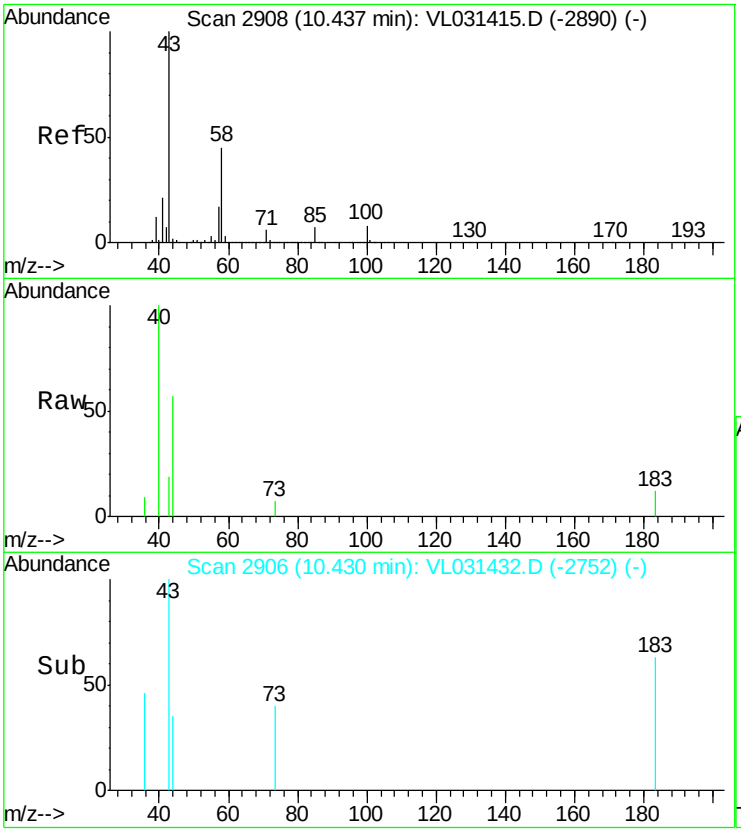


#50
4-Methyl-2-Pentanone
Concen: 0.00 ppbv
RT: 9.04 min Scan# 2474
Delta R.T. 0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 43 Resp: 606

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.1	40.7#



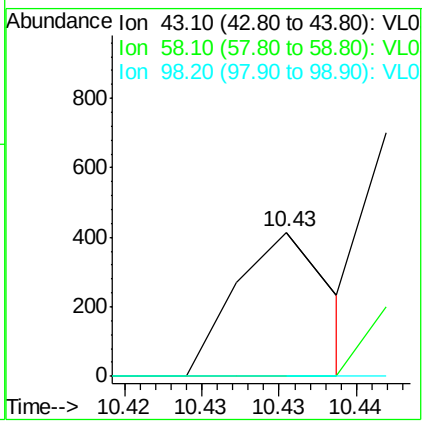


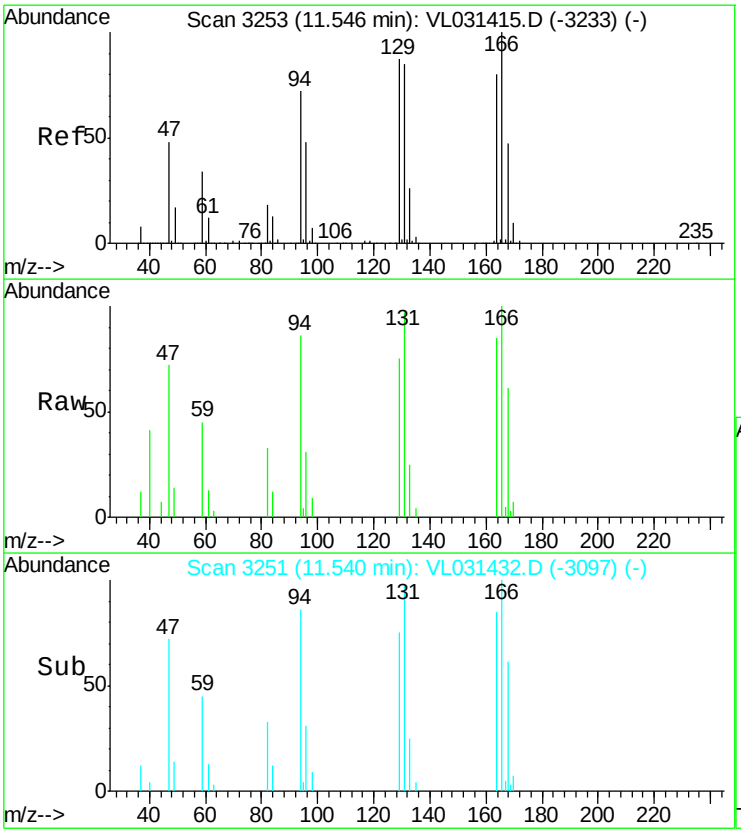
#51
2-Hexanone
Concen: 0.00 ppbv
RT: 10.43 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Tgt Ion: 43 Resp: 177

Ion	Ratio	Lower	Upper
43	100		
58	0.0	36.2	54.4#
98	0.0	0.1	0.1#

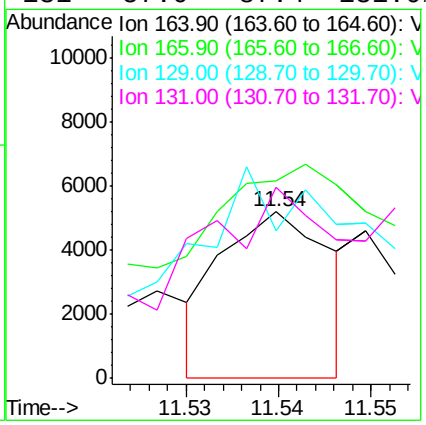


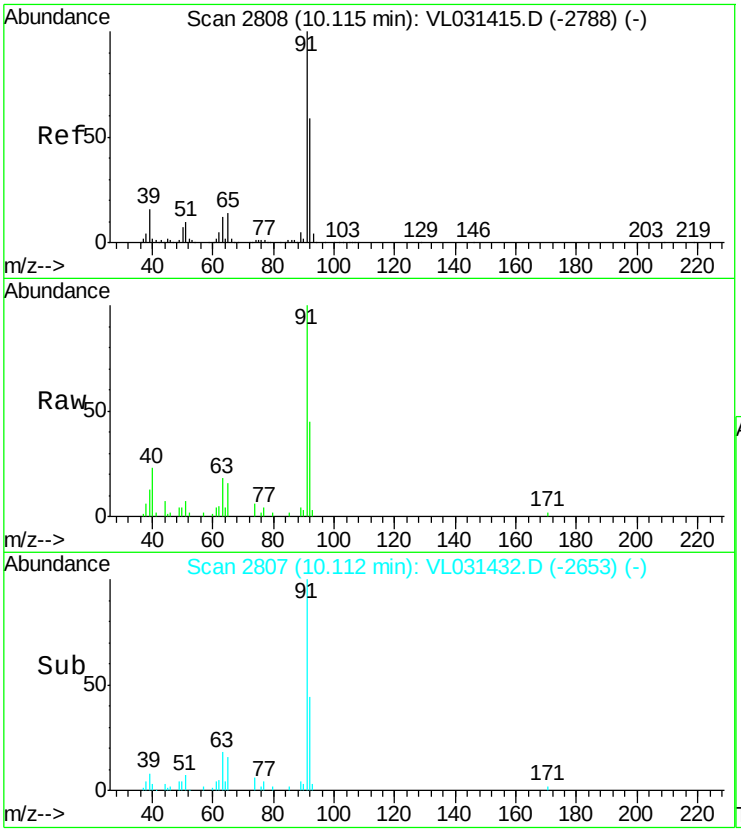


#52
Tetrachloroethene
Concen: 0.05 ppbv
RT: 11.54 min Scan# 3251
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion:164 Resp: 4207

Ion	Ratio	Lower	Upper
164	100		
166	82.8	100.2	150.2#
129	14.2	91.4	137.0#
131	57.0	87.4	131.0#



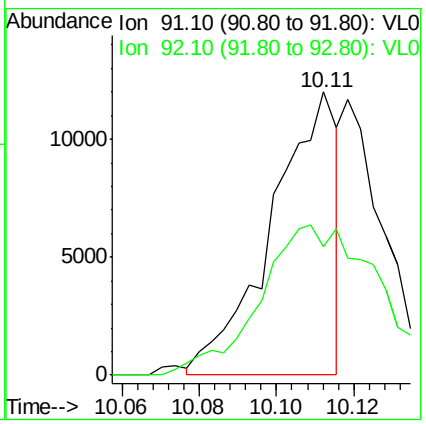


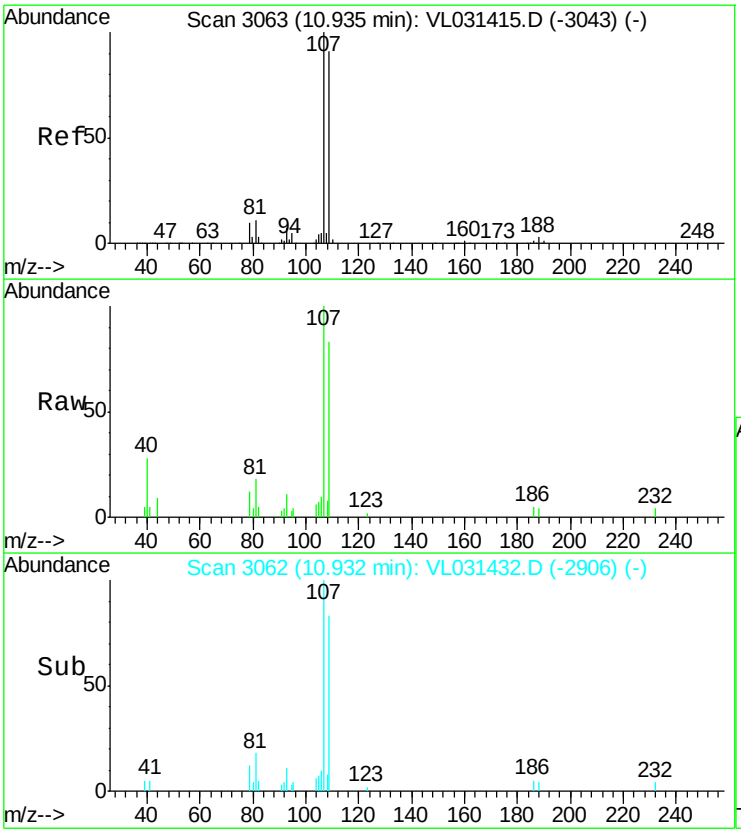
#53
Toluene
Concen: 0.05 ppbv
RT: 10.11 min Scan# 2807
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Tgt Ion: 91 Resp: 14112

Ion	Ratio	Lower	Upper
91	100		
92	97.3	47.8	71.6#

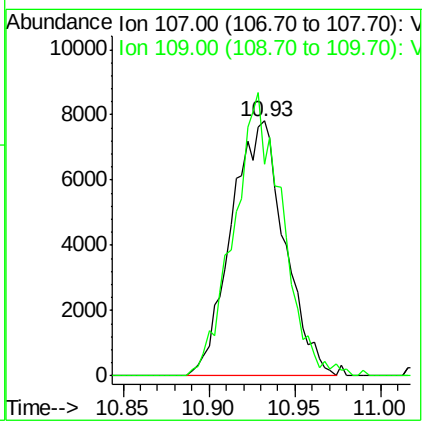


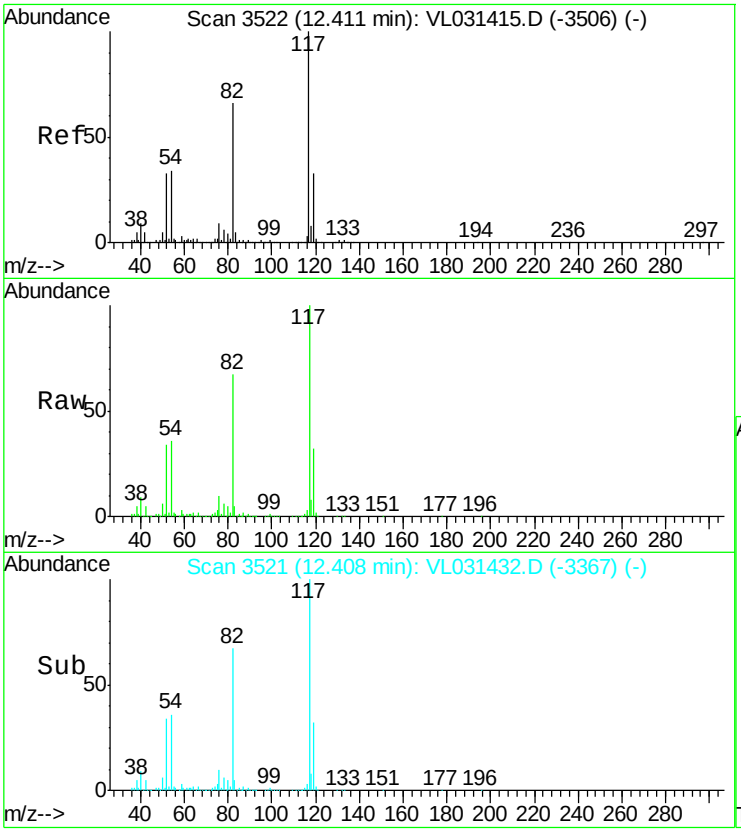


#54
1,2-Dibromoethane
Concen: 0.10 ppbv
RT: 10.93 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion:107 Resp: 16886

Ion	Ratio	Lower	Upper
107	100		
109	82.8	75.5	113.3



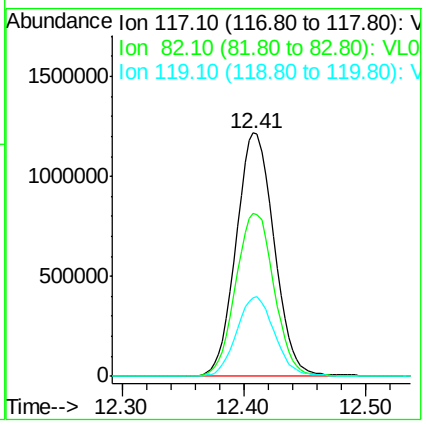


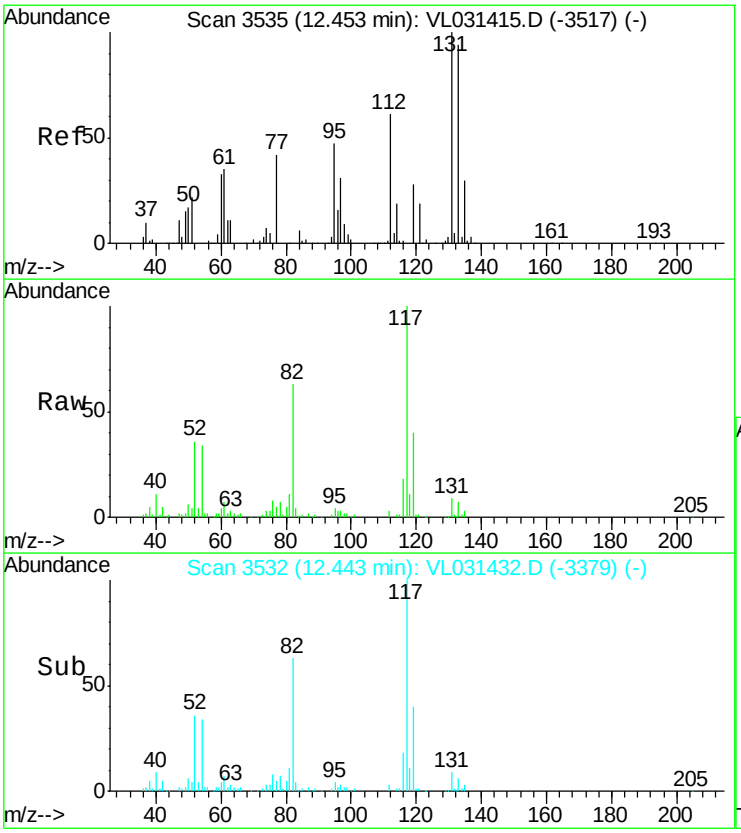
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3521
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tgt Ion:117 Resp: 2620556

Ion	Ratio	Lower	Upper
117	100		
82	68.3	51.8	77.6
119	32.9	24.2	36.2

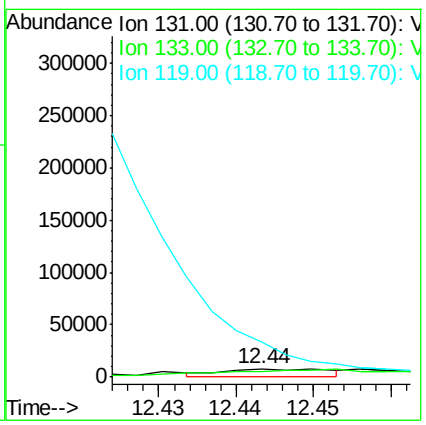


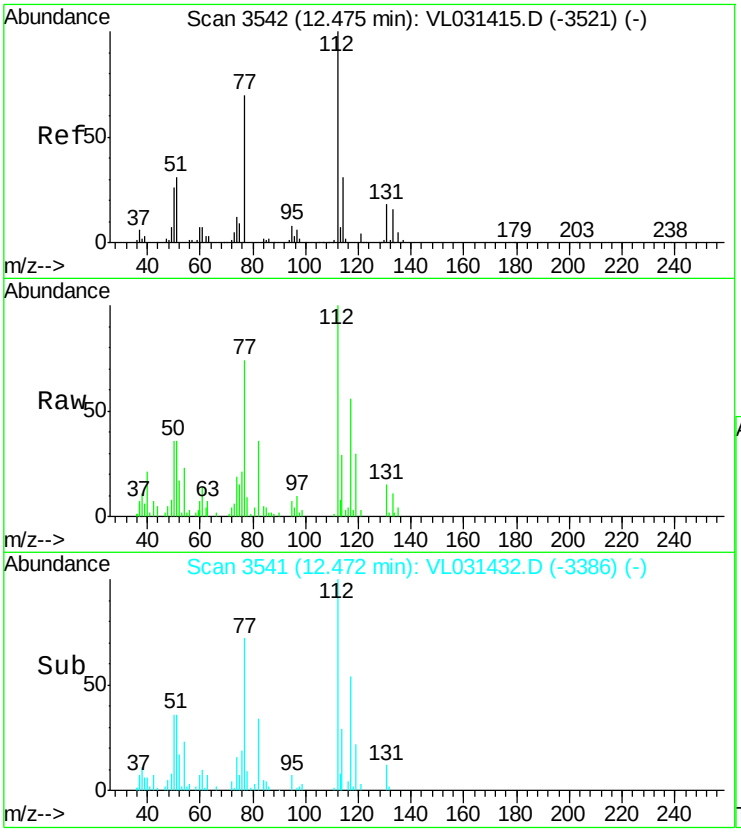


#56
1,1,1,2-Tetrachloroethane
Concen: 0.06 ppbv
RT: 12.44 min Scan# 3532
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion:131 Resp: 7520

Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.9	115.3#
119	0.0	47.7	71.5#



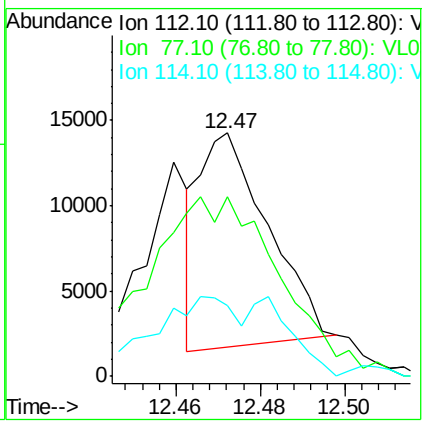


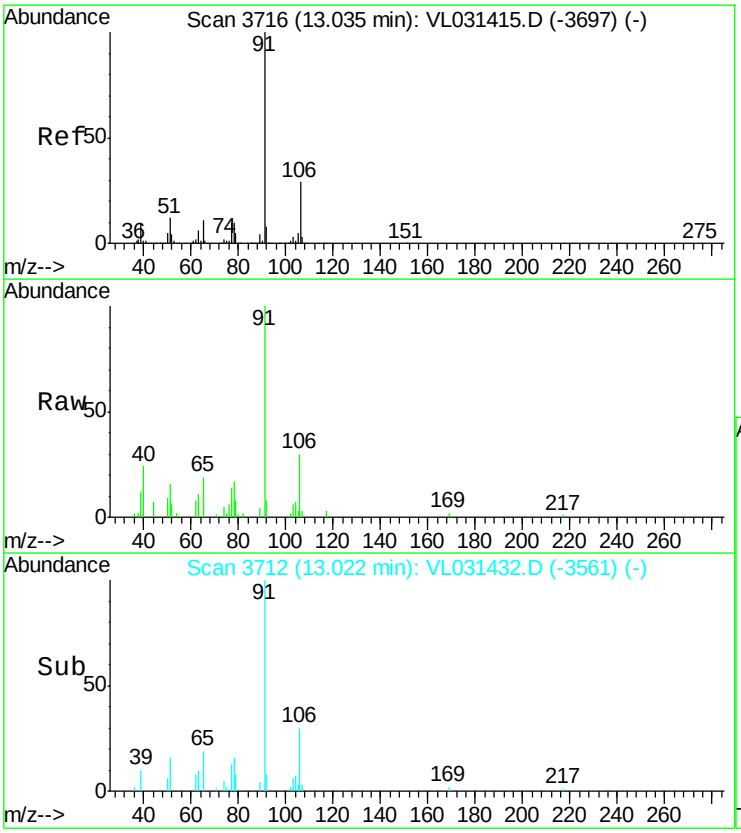
#57
Chlorobenzene
Concen: 0.06 ppbv
RT: 12.47 min Scan# 3541
Delta R.T. -0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tgt Ion:112 Resp: 14021

Ion	Ratio	Lower	Upper
112	100		
77	79.9	56.0	84.0
114	35.4	29.1	35.5

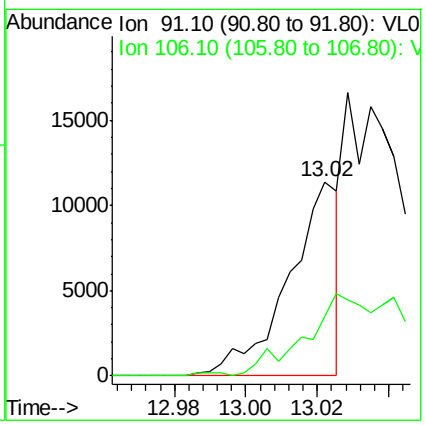


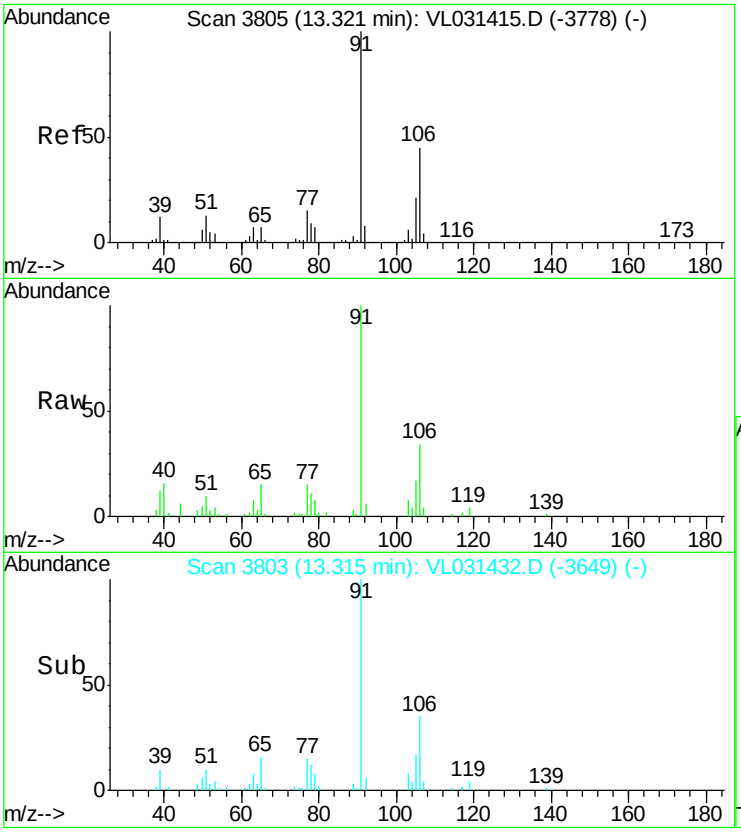


#58
Ethyl Benzene
Concen: 0.03 ppbv
RT: 13.02 min Scan# 3712
Delta R.T. -0.02 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 91 Resp: 11112

Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.8	35.6



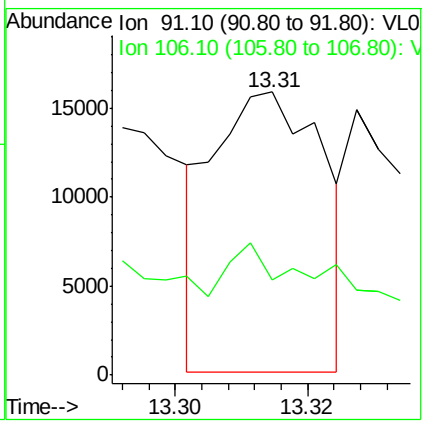


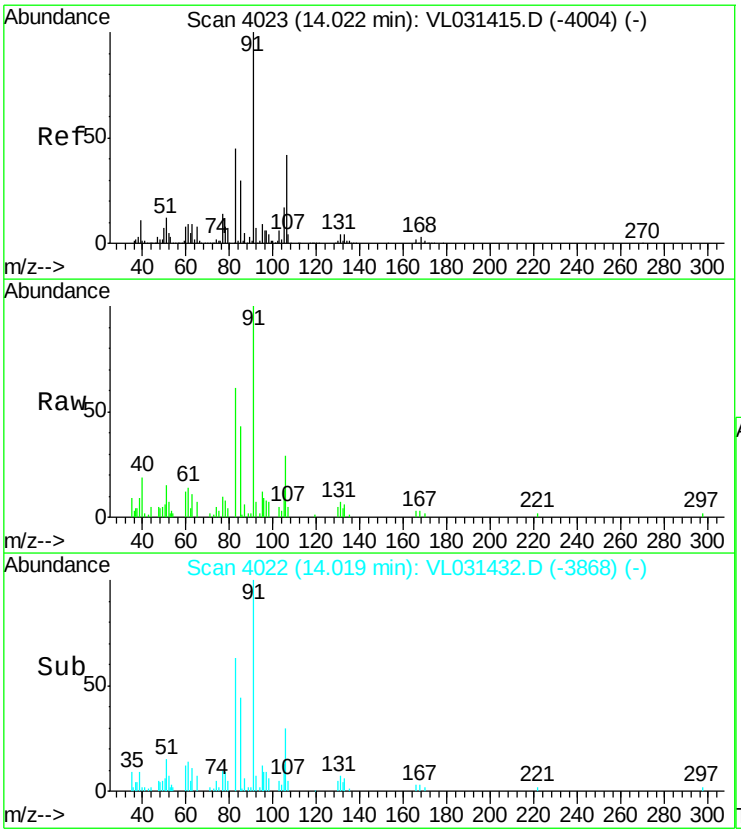
#59
m/p-Xylene
Concen: 0.06 ppbv
RT: 13.31 min Scan# 3803
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Tgt Ion: 91 Resp: 18219

Ion	Ratio	Lower	Upper
91	100		
106	128.5	35.6	53.4#

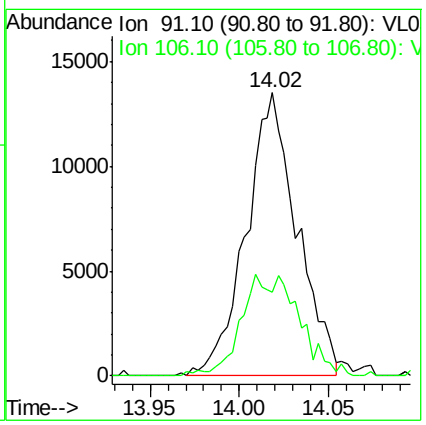


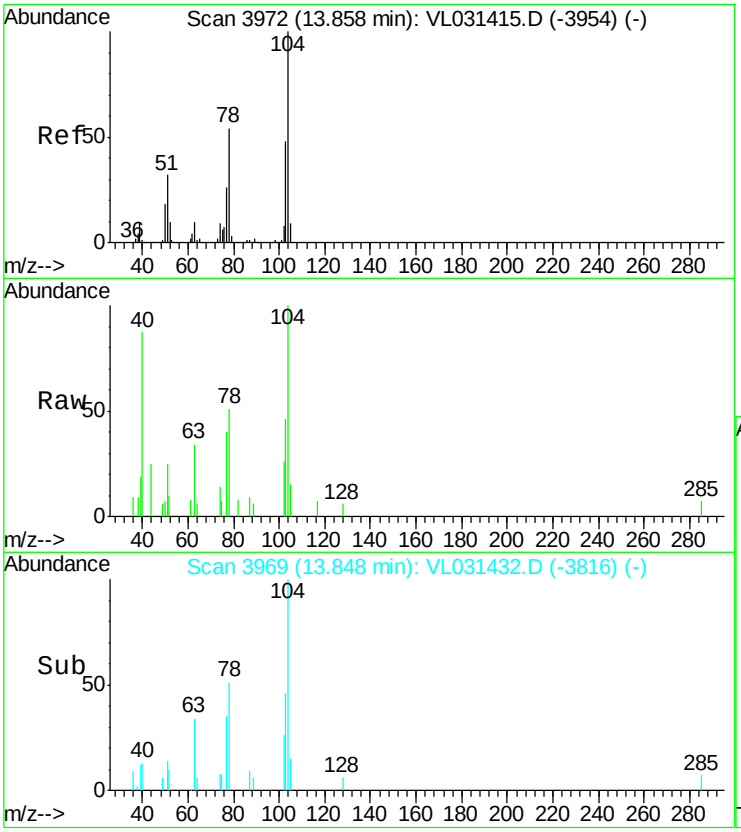


#60
o-Xylene
Concen: 0.08 ppbv
RT: 14.02 min Scan# 4022
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 91 Resp: 26952

Ion	Ratio	Lower	Upper
91	100		
106	40.6	21.3	64.0



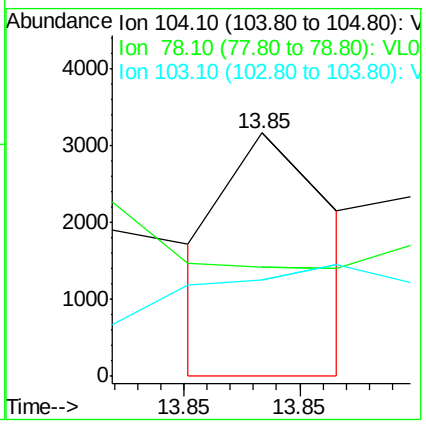


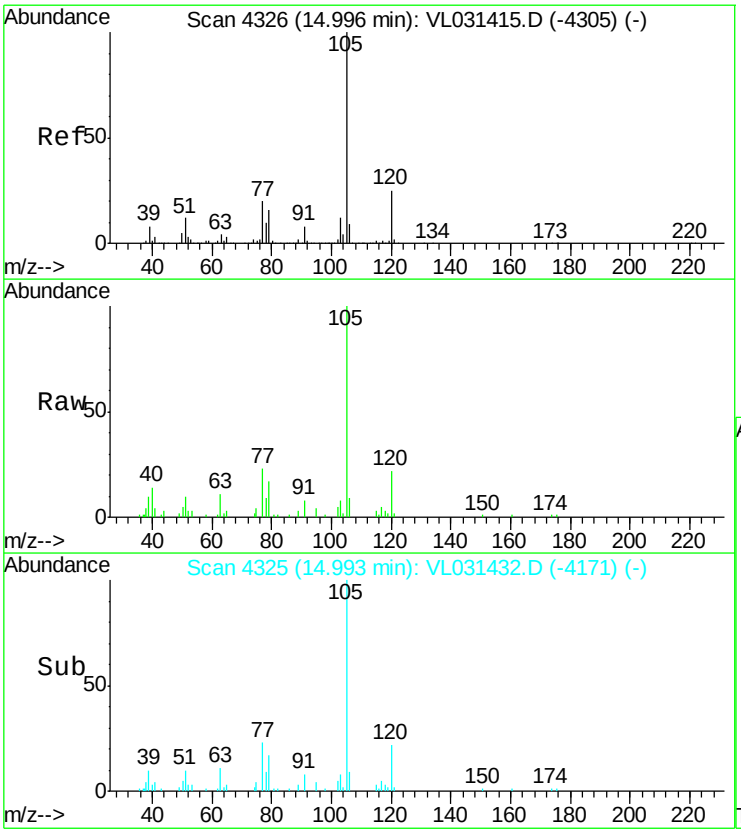
#61
Styrene
Concen: 0.01 ppbv
RT: 13.85 min Scan# 3969
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tgt Ion:104 Resp: 1030

Ion	Ratio	Lower	Upper
104	100		
78	0.0	45.4	68.0#
103	0.0	38.6	57.8#

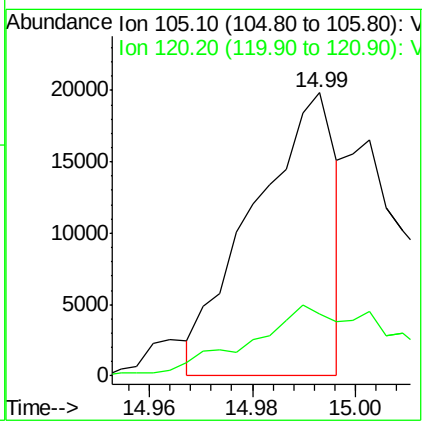


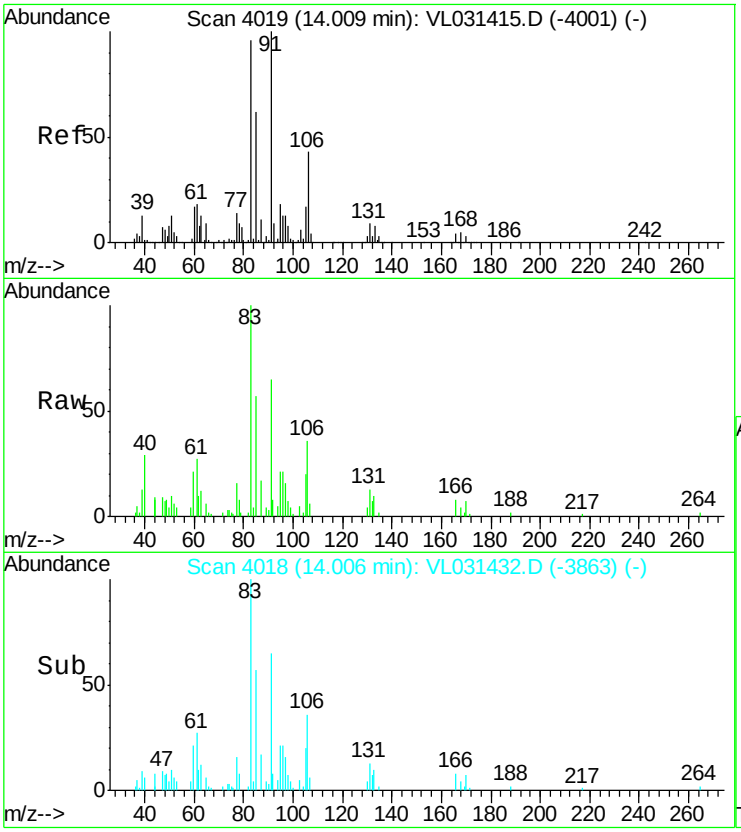


#62
Isopropylbenzene
Concen: 0.05 ppbv
RT: 14.99 min Scan# 4325
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion:105 Resp: 21929

Ion	Ratio	Lower	Upper
105	100		
120	44.4	19.9	29.9#



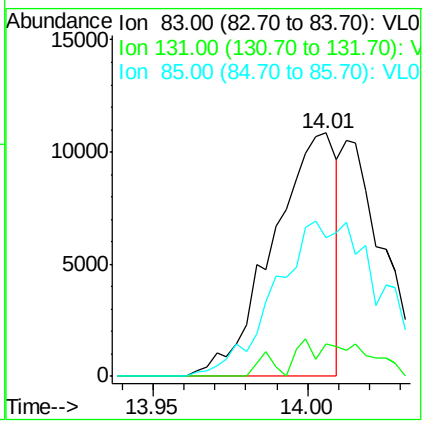


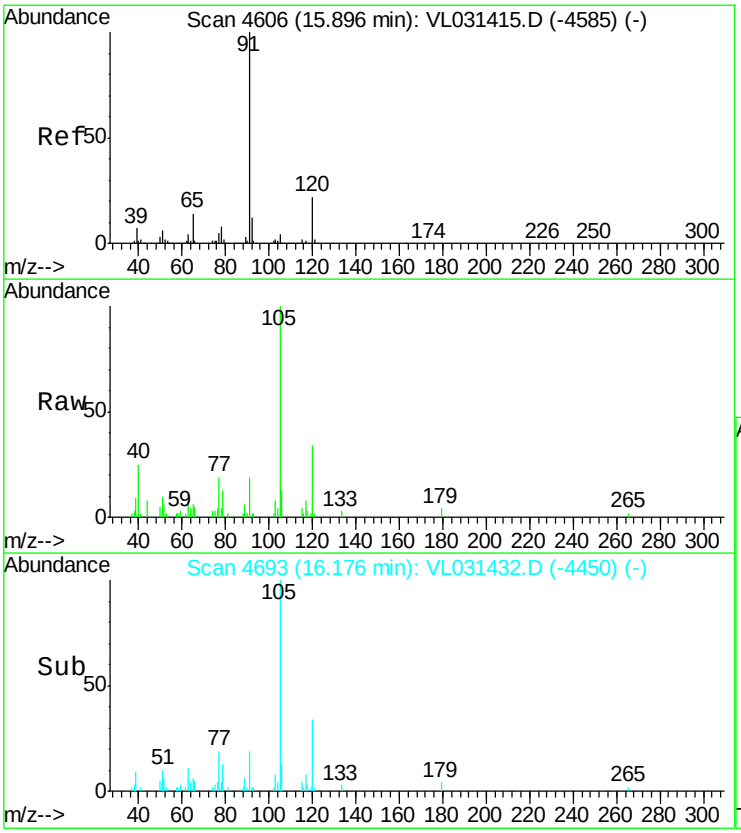
#63
1,1,2,2-Tetrachloroethane
Concen: 0.07 ppbv
RT: 14.01 min Scan# 4018
Delta R.T. -0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tgt Ion: 83 Resp: 15469

Ion	Ratio	Lower	Upper
83	100		
131	18.2	4.8	14.3#
85	114.9	32.4	97.0#

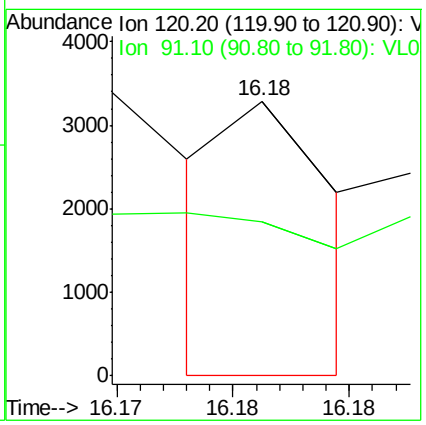


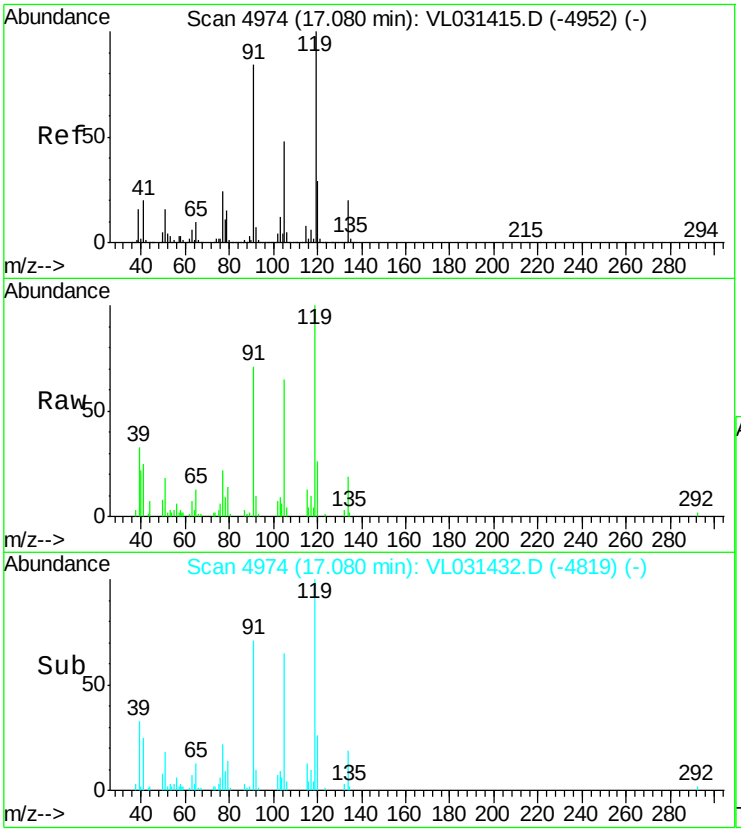


#64
n-propylbenzene
Concen: 0.01 ppbv
RT: 16.18 min Scan# 4693
Delta R.T. 0.28 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion:120 Resp: 1056

Ion	Ratio	Lower	Upper
120	100		
91	459.7	389.8	584.6



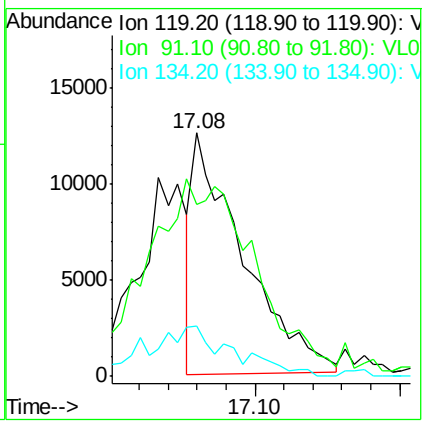


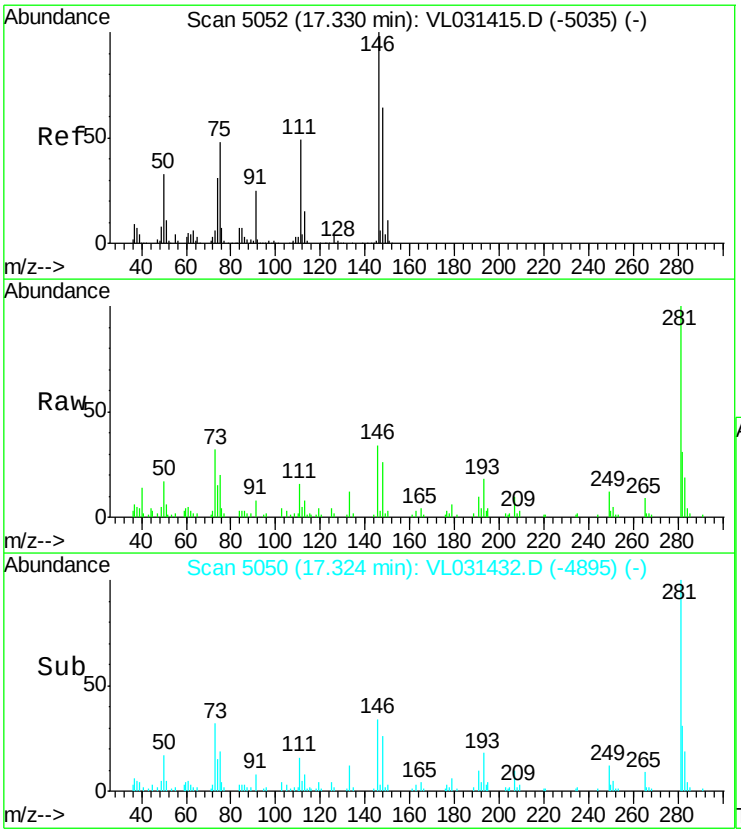
#65
tert-Butylbenzene
Concen: 0.04 ppbv
RT: 17.08 min Scan# 4974
Delta R.T. -0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Tgt Ion:119 Resp: 15127

Ion	Ratio	Lower	Upper
119	100		
91	186.2	69.0	103.6#
134	37.7	15.7	23.5#

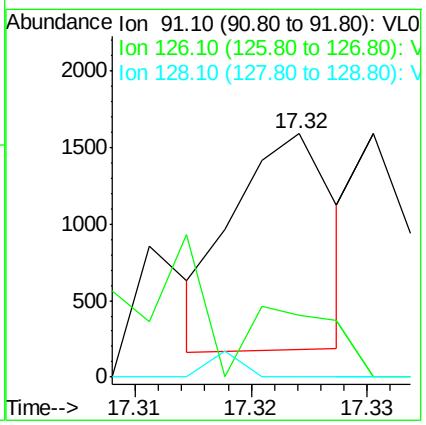


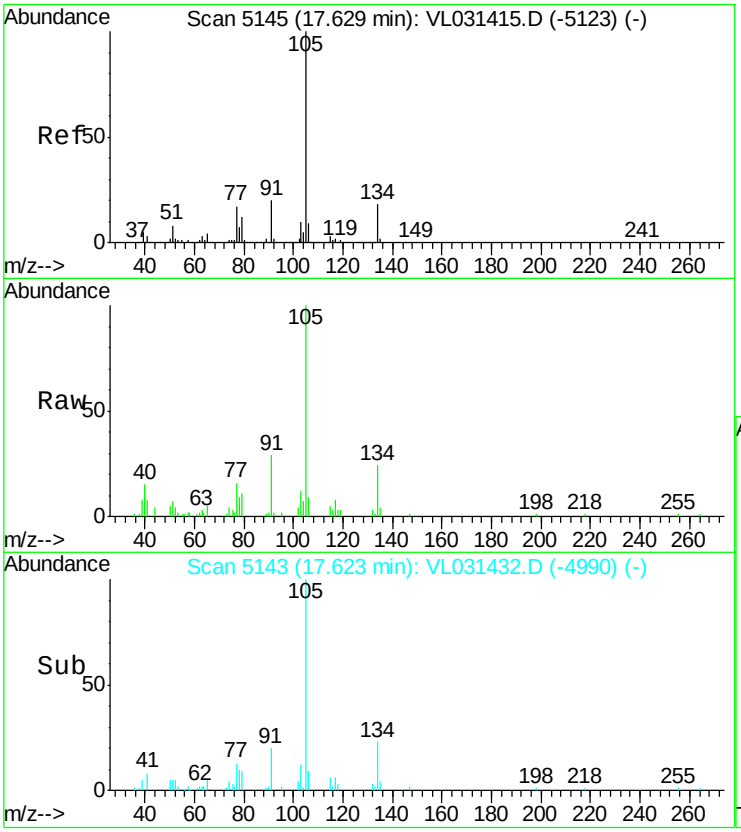


#66
Benzyl Chloride
Concen: 0.02 ppbv
RT: 17.32 min Scan# 5050
Delta R.T. -0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 91 Resp: 848

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.8	20.8#
128	0.0	4.6	6.8#



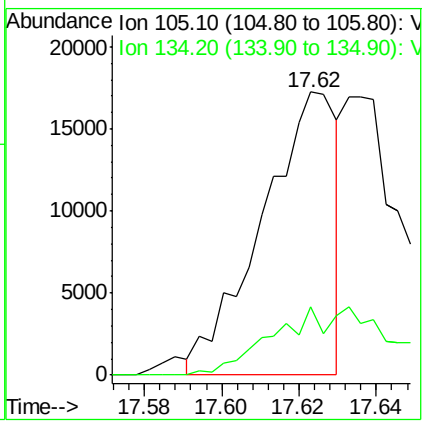


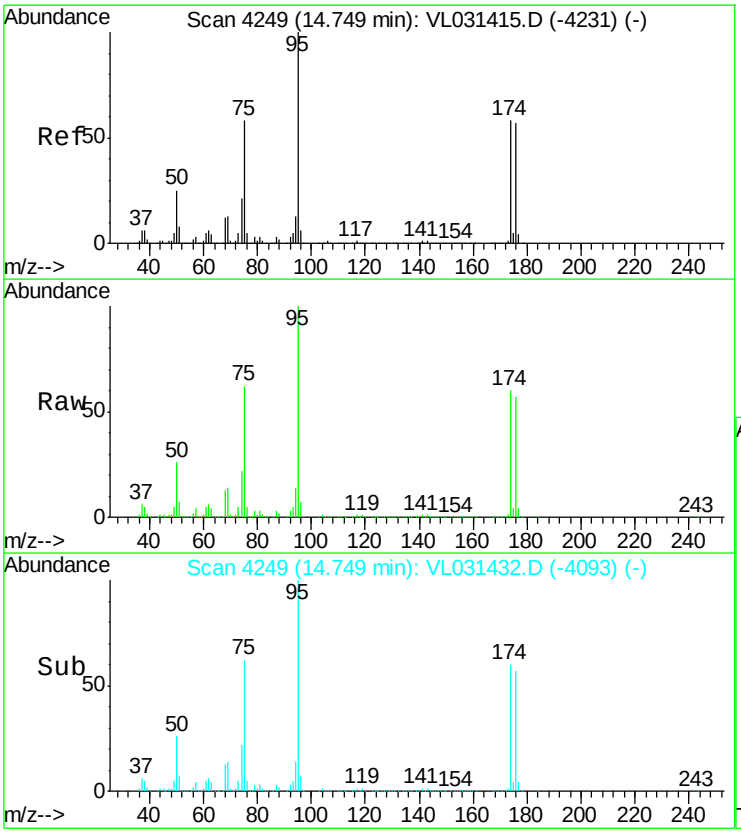
#67
sec-Butylbenzene
Concen: 0.05 ppbv
RT: 17.62 min Scan# 5143
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Tgt Ion:105 Resp: 23078

Ion	Ratio	Lower	Upper
105	100		
134	0.0	14.5	21.7#

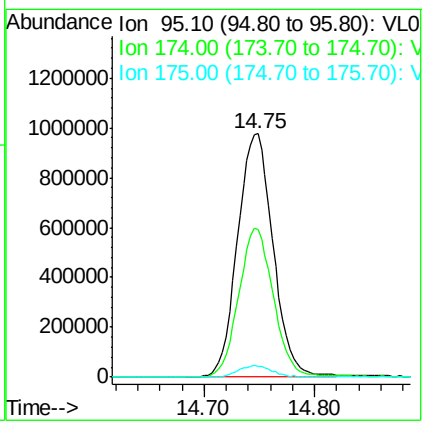


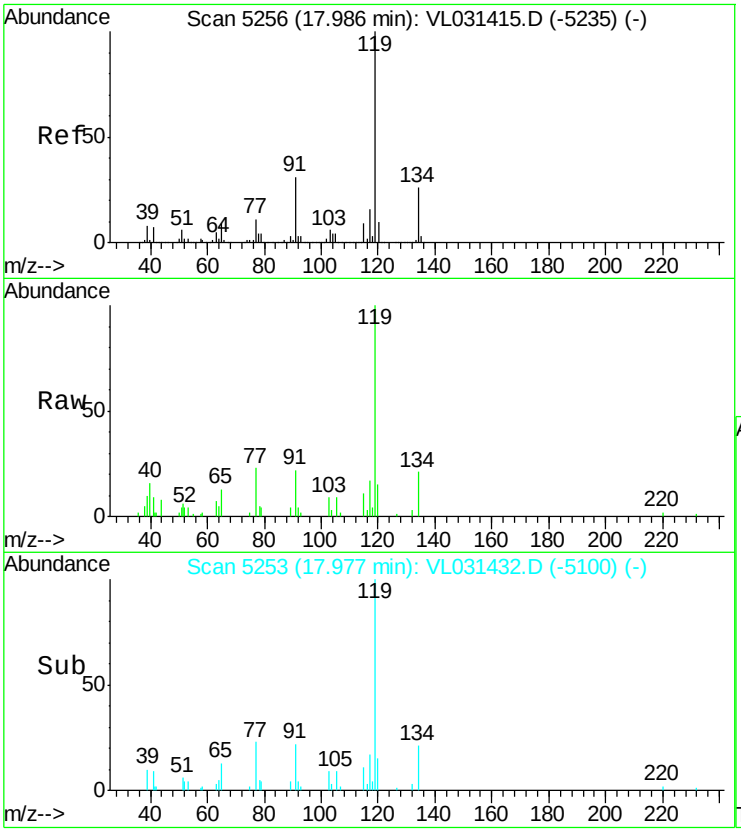


#68
1-Bromo-4-Fluorobenzene
Concen: 10.38 ppbv
RT: 14.75 min Scan# 4249
Delta R.T. 0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 95 Resp: 2178676

Ion	Ratio	Lower	Upper
95	100		
174	60.7	48.2	72.4
175	4.7	3.6	5.4



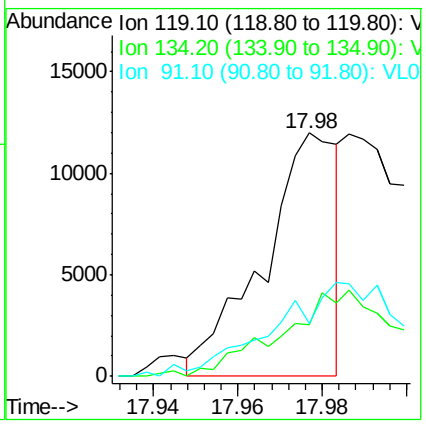


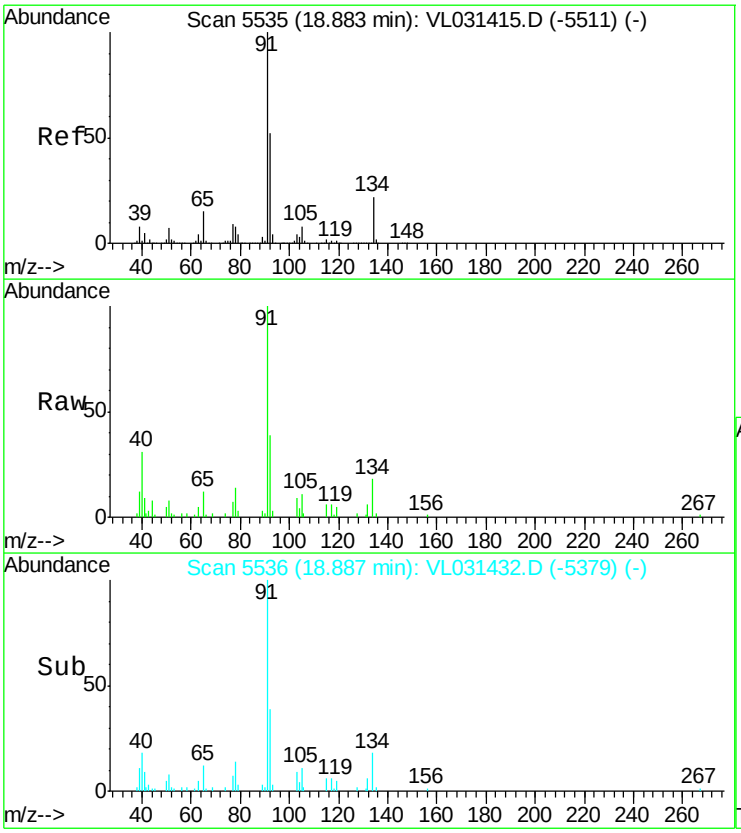
#69
p-Isopropyltoluene
Concen: 0.04 ppbv
RT: 17.98 min Scan# 5253
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tgt Ion:119 Resp: 14517

Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.2	30.4#
91	0.0	25.0	37.4#

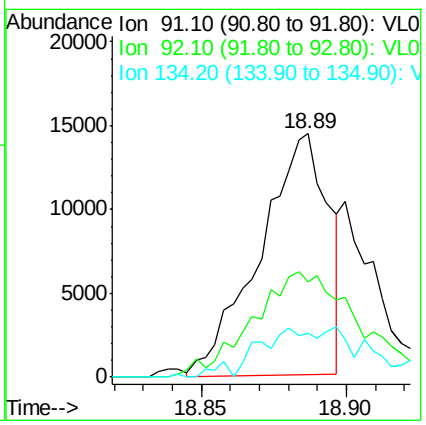


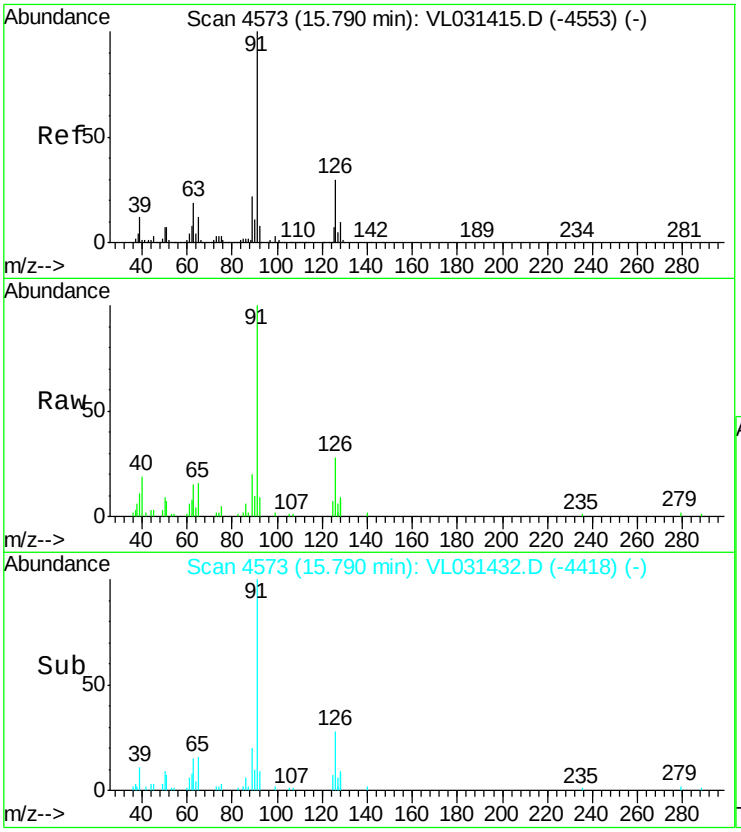


#70
n-Butylbenzene
Concen: 0.06 ppbv
RT: 18.89 min Scan# 5536
Delta R.T. 0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion: 91 Resp: 23689

Ion	Ratio	Lower	Upper
91	100		
92	70.1	42.2	63.4#
134	0.0	17.4	26.2#



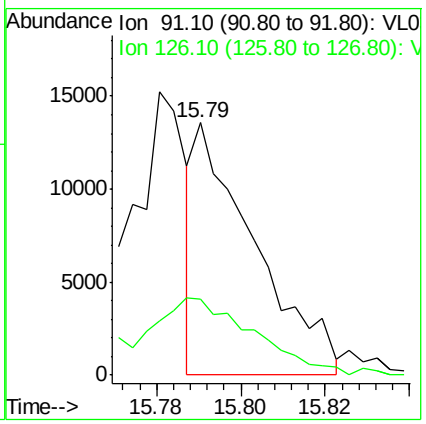


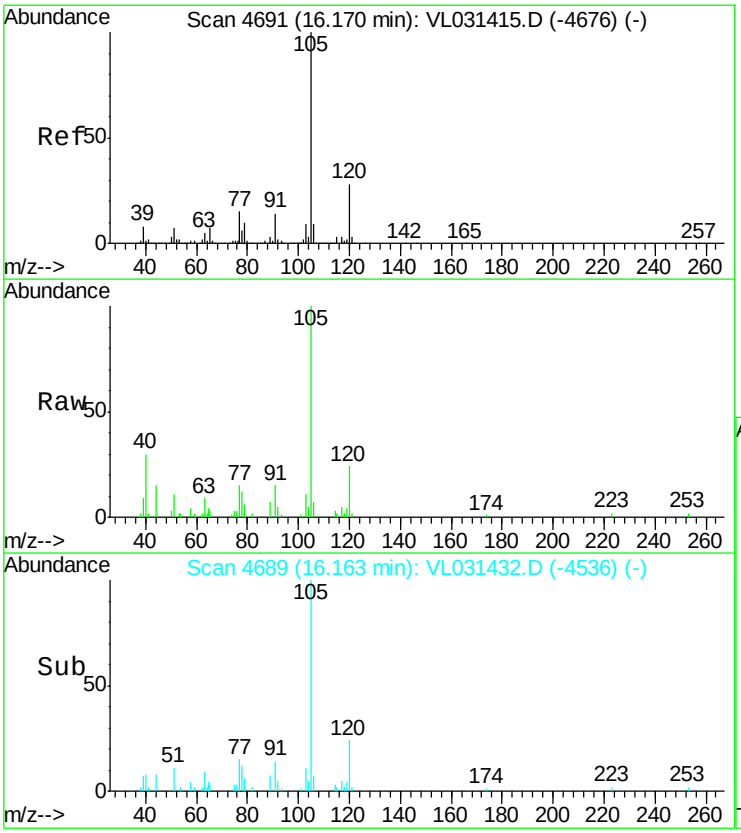
#71
2-Chlorotoluene
Concen: 0.04 ppbv
RT: 15.79 min Scan# 4573
Delta R.T. -0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tgt Ion: 91 Resp: 13428

Ion	Ratio	Lower	Upper
91	100		
126	62.5	11.7	46.9#

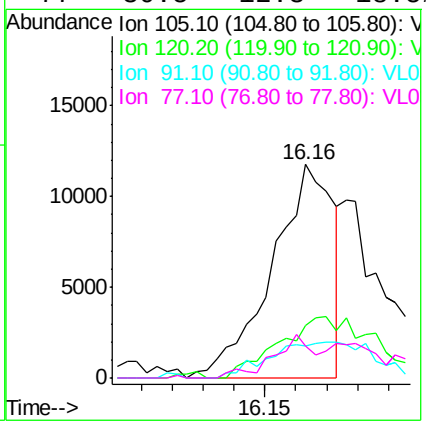


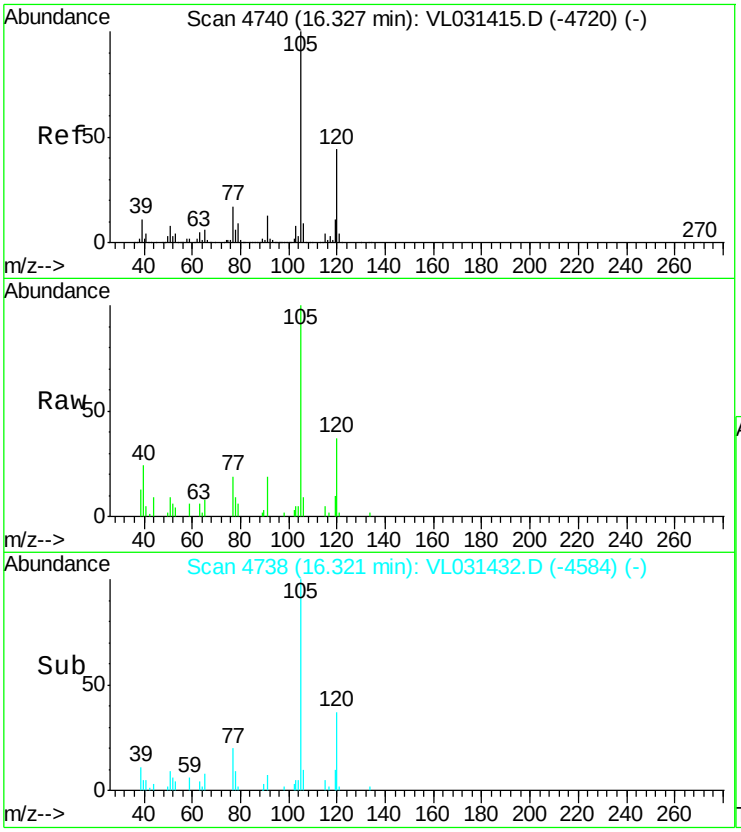


#72
4-Ethyltoluene
Concen: 0.05 ppbv
RT: 16.16 min Scan# 4689
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion:105 Resp: 16126

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.0	34.6#
91	0.0	11.0	16.4#
77	30.5	12.3	18.5#



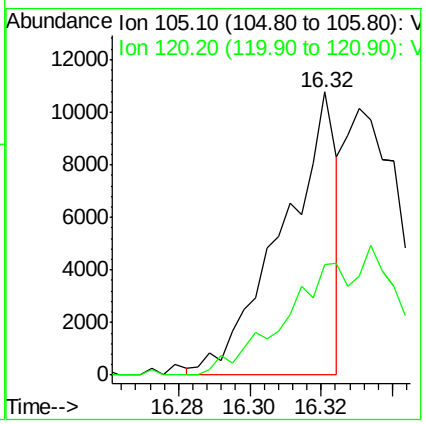


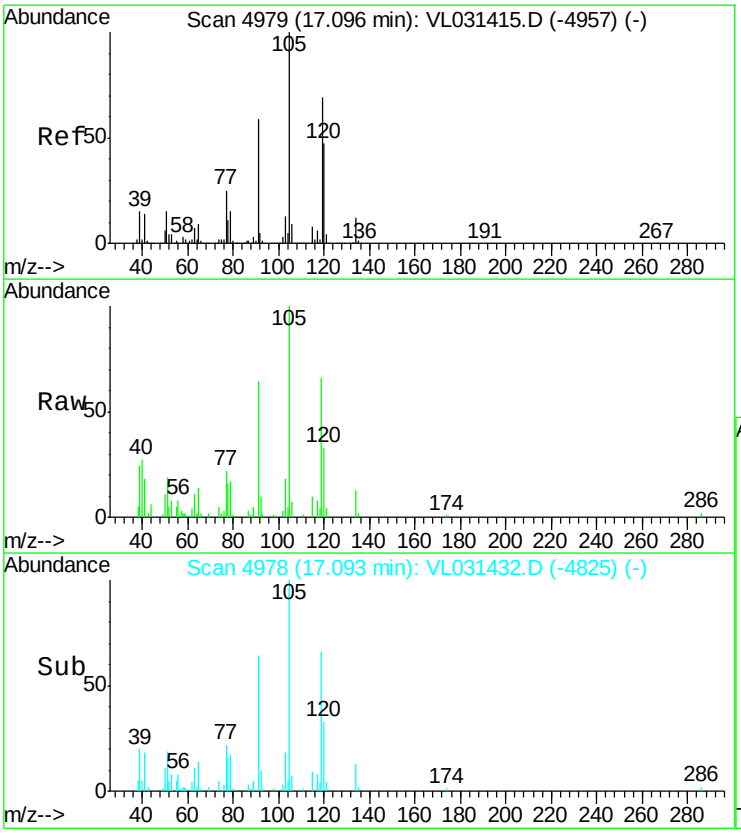
#73
1,3,5-Trimethylbenzene
Concen: 0.04 ppbv
RT: 16.32 min Scan# 4738
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tgt Ion:105 Resp: 11317

Ion	Ratio	Lower	Upper
105	100		
120	39.8	35.8	53.6

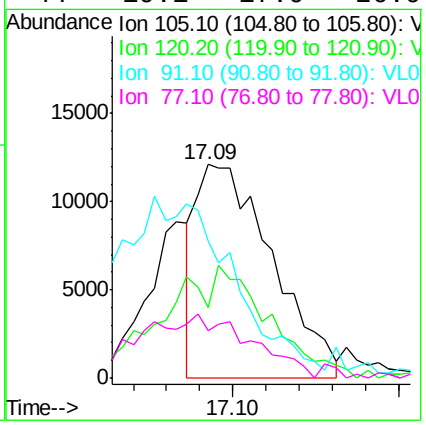


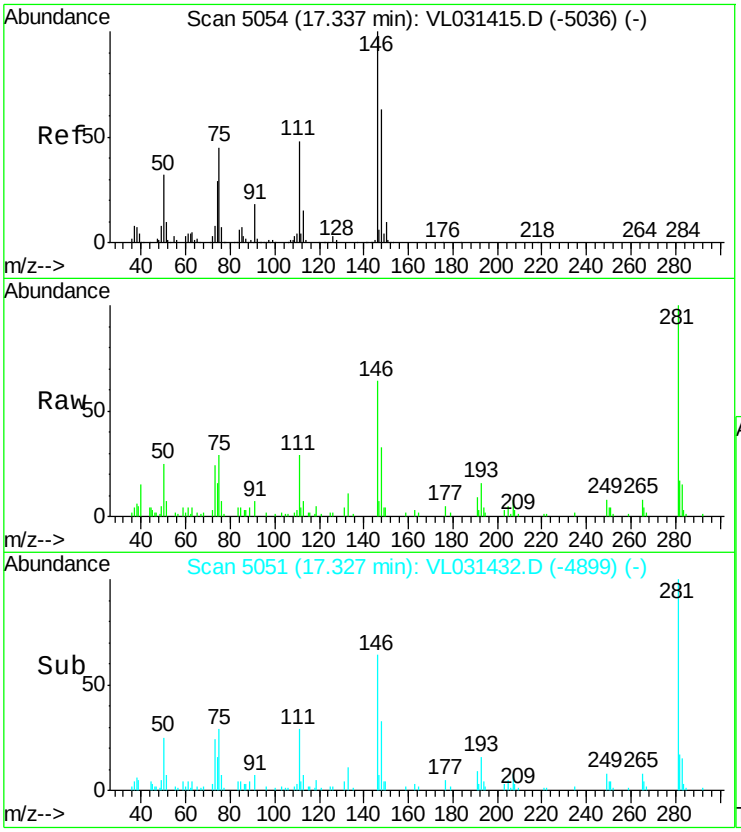


#74
1,2,4-Trimethylbenzene
Concen: 0.06 ppbv
RT: 17.09 min Scan# 4978
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion:105 Resp: 19201

Ion	Ratio	Lower	Upper
105	100		
120	33.6	37.0	55.6#
91	54.1	35.1	52.7#
77	19.1	17.9	26.9



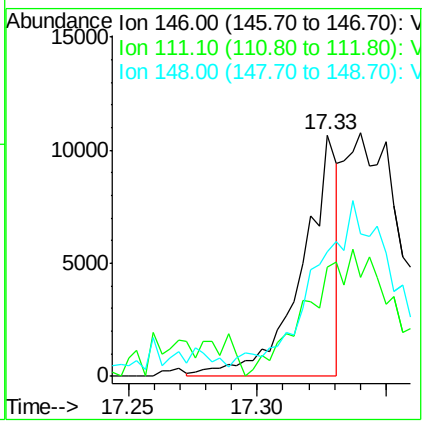


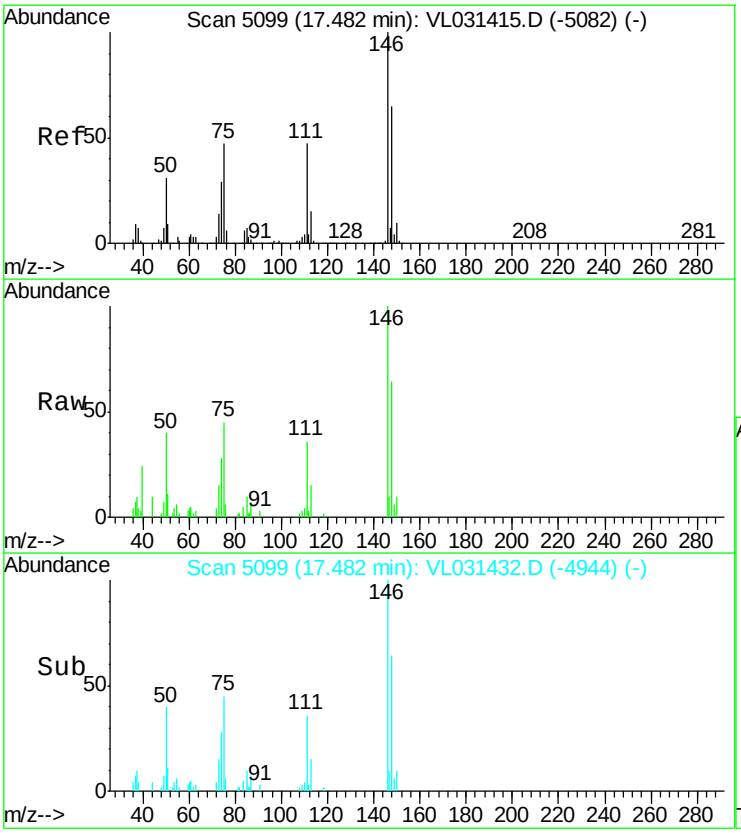
#75
1,3-Dichlorobenzene
Concen: 0.05 ppbv
RT: 17.33 min Scan# 5051
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-7

Tgt Ion:146 Resp: 10074

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.2	72.6#
148	0.0	32.1	96.3#

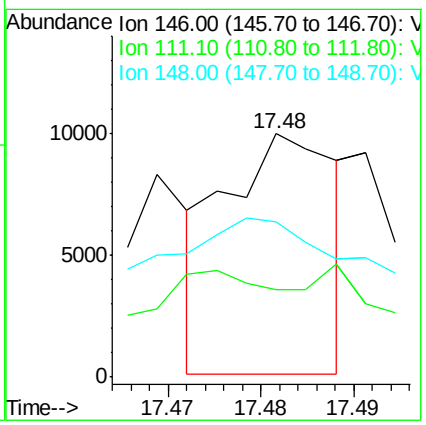


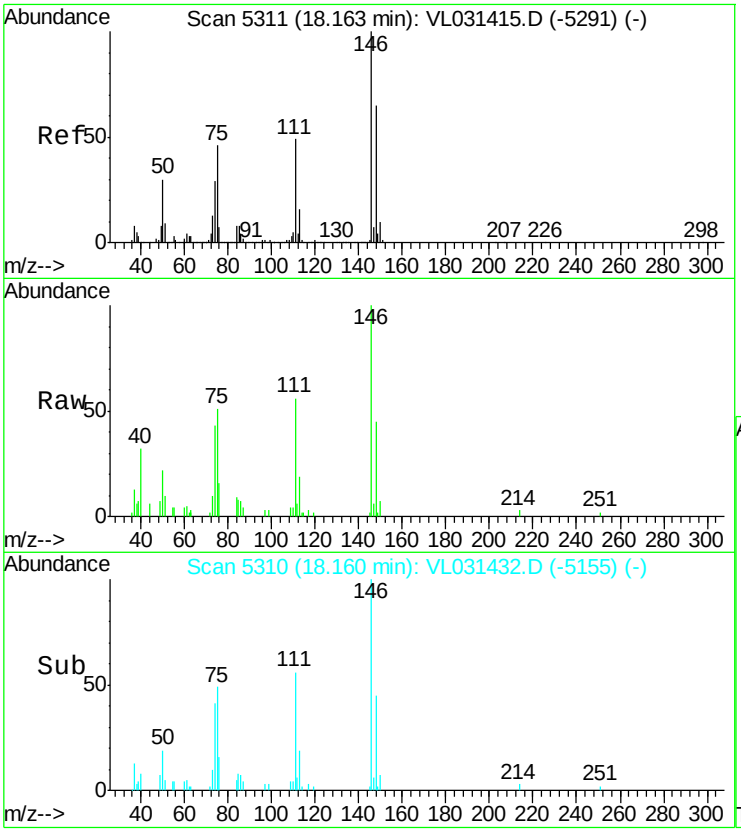


#76
1,4-Dichlorobenzene
Concen: 0.04 ppbv
RT: 17.48 min Scan# 5099
Delta R.T. -0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion:146 Resp: 8234

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.3	69.9#
148	185.6	32.4	97.2#



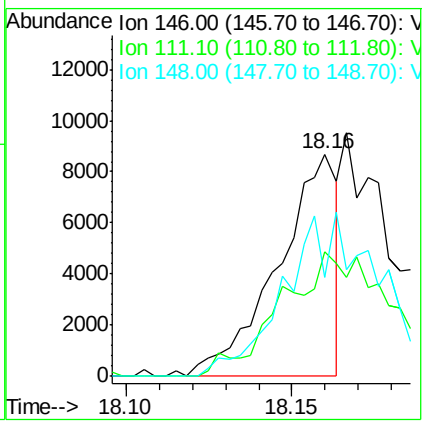


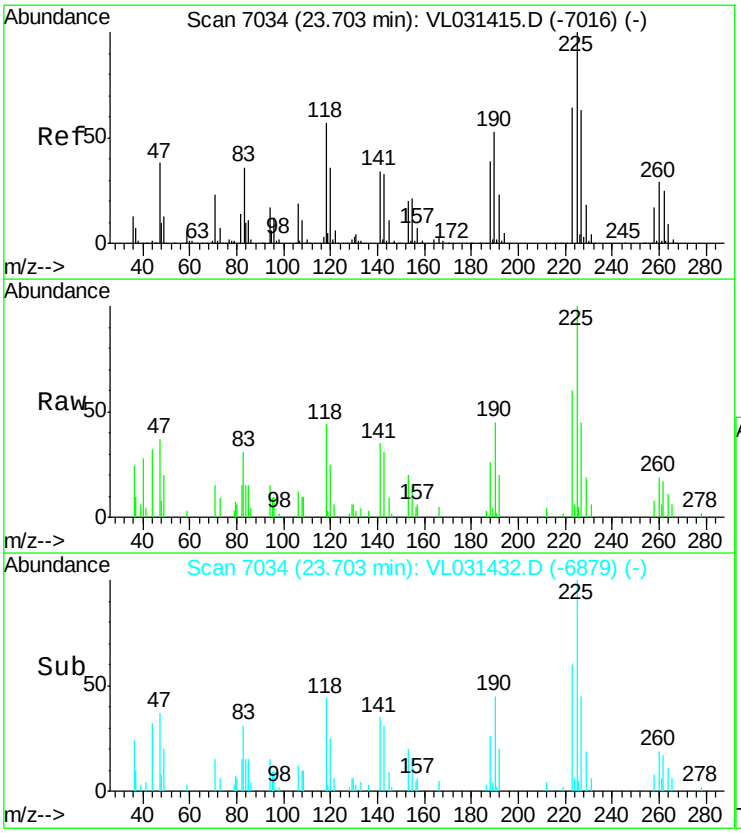
#77
1,2-Dichlorobenzene
Concen: 0.05 ppbv
RT: 18.16 min Scan# 5310
Delta R.T. -0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tgt Ion:146 Resp: 10803

Ion	Ratio	Lower	Upper
146	100		
111	107.6	24.6	74.0#
148	0.0	32.3	96.8#

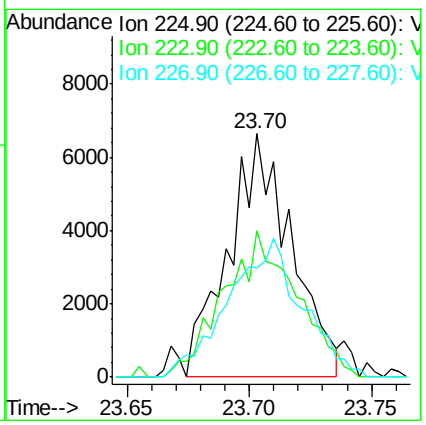


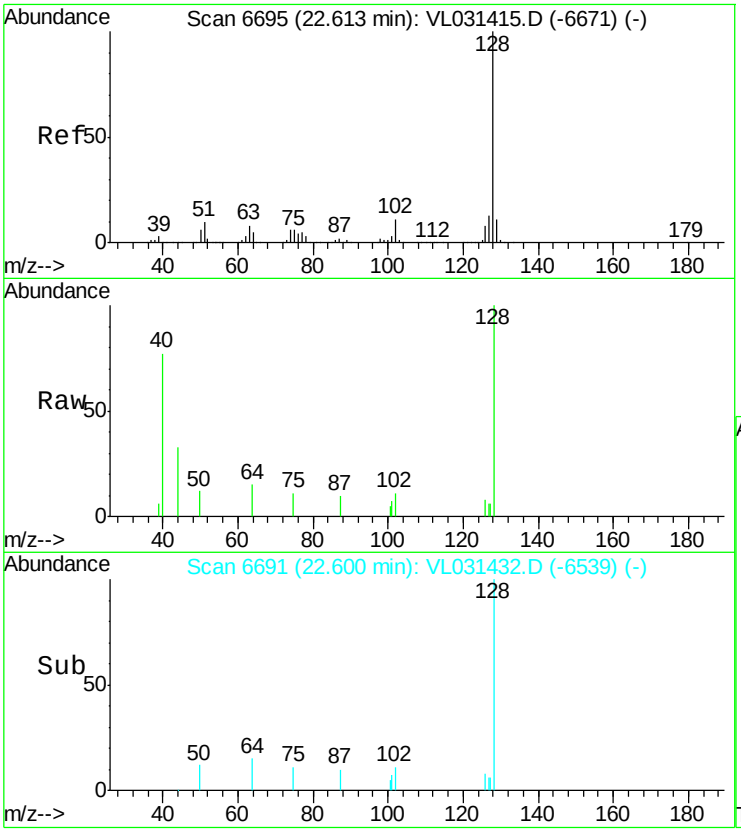


#78
Hexachloro-1,3-Butadiene
Concen: 0.17 ppbv
RT: 23.70 min Scan# 7034
Delta R.T. -0.00 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion:225 Resp: 11864

Ion	Ratio	Lower	Upper
225	100		
223	70.0	51.3	76.9
227	66.4	50.7	76.1



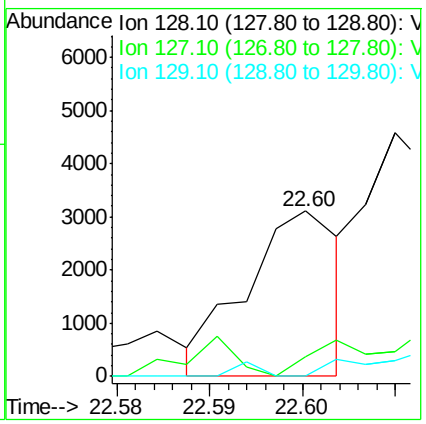


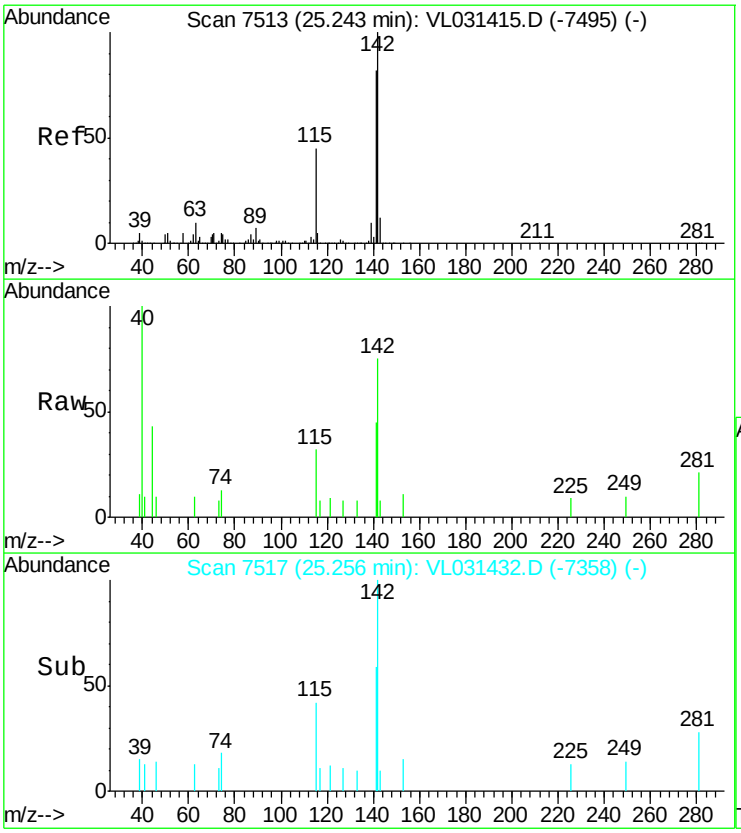
#79
Naphthalene
Concen: 0.01 ppbv
RT: 22.60 min Scan# 6691
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tgt Ion:128 Resp: 2176

Ion	Ratio	Lower	Upper
128	100		
127	5.3	10.6	16.0#
129	0.0	9.2	13.8#

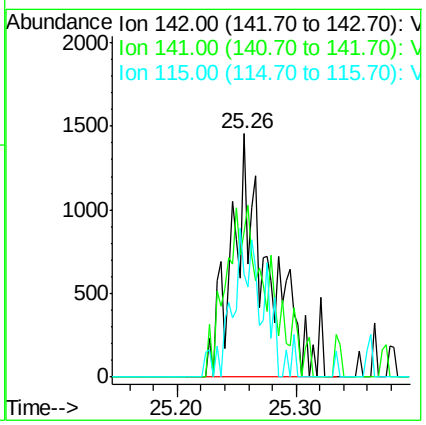


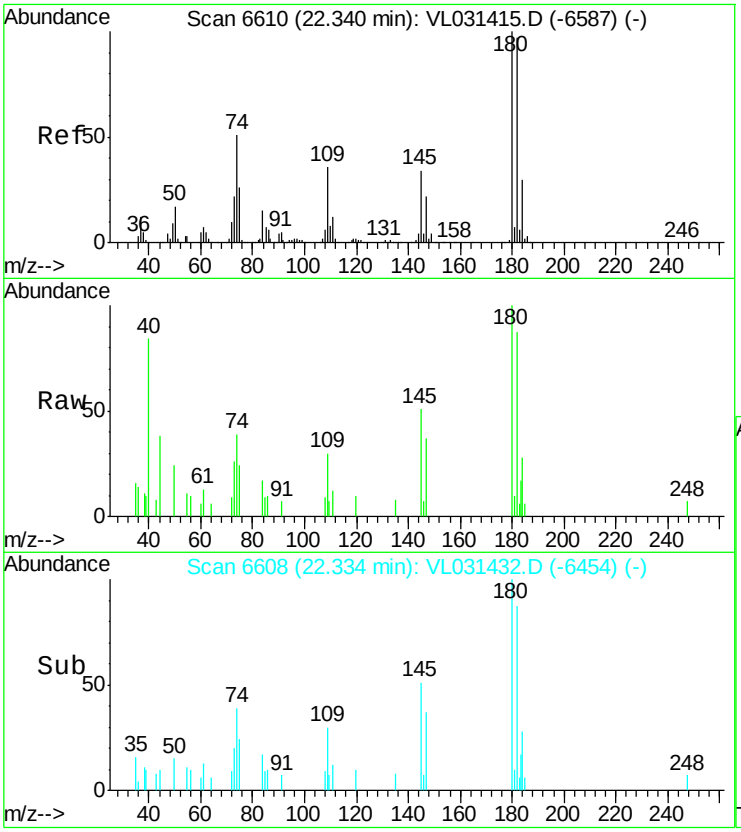


#80
Naphthalene,2-methyl-
Concen: 0.05 ppbv
RT: 25.26 min Scan# 7517
Delta R.T. 0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Tgt Ion:142 Resp: 3078

Ion	Ratio	Lower	Upper
142	100		
141	81.9	68.7	103.1
115	48.7	36.3	54.5





#81
1,2,4-Trichlorobenzene
Concen: 0.02 ppbv
RT: 22.33 min Scan# 6608
Delta R.T. -0.01 min
Lab File: VL031432.D
Acq: 23 Jan 2018 1:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tgt Ion:180 Resp: 2052

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.2	114.4#
184	0.0	24.2	36.4#