Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070819\

Quantitation Report (Not Reviewed)

Data File : VL034012.D
Acq On : 8 Jul 2019 15:26
Operator : SY/AP
Sample : K3591-15 0.1 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MDL-MDL-AIR-03-QT3-2019

Quant Time: Jul 09 03:48:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	998787	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.25	114	2602086	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.19	117	2621354	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.52	95	2094939	9.37	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.06	85	33012	0.160	ppbv	95
3) Chlorodifluoromethane	2.99	51	17408	0.141	ppbv #	83
4) Chloromethane	3.15	50	9646	0.136	ppbv #	83
5) Vinyl Chloride	3.27	62	8079	0.101	ppbv #	83
6) Bromomethane	3.49	94	5543	0.118	ppbv	89
7) Chloroethane	3.58	64	4347	0.153	ppbv	92
8) Dichlorotetrafluoroethane	3.20	85	25970	0.129	ppbv	98
9) Propene	3.01	41	4094	0.090	ppbv #	53
11) Trichlorofluoromethane	3.98	101	31315	0.135	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.53	101	18107	0.110	ppbv	91
13) Ethanol	3.64	45	1729	0.123	ppbv #	35
14) Bromoethene	3.77	108	6578	0.107	ppbv #	75
15) Acetone	3.90	43	25777	0.154	ppbv #	87
16) 1,3-Butadiene	3.34	39	2442	0.041	ppbv #	1
18) 1,1-Dichloroethene	4.33	96	5671	0.078	ppbv #	80
19) Isopropyl Alcohol	4.02	45	9459	0.084	ppbv #	70
20) Methylene Chloride	4.38	84	6132	0.084	ppbv #	23
21) Allyl Chloride	4.44	41	3749	0.036	ppbv #	1
22) trans-1,2-Dichloroethene	4.93	96	4253	0.061	ppbv	90
23) Vinyl Acetate	5.12	43	6041	0.036	ppbv #	89
24) 1,1-Dichloroethane	5.05	63	5264	0.035	ppbv #	94
25) Ethyl Acetate	5.75	43	21065	0.092	ppbv #	90
26) Hexane	5.74	57	4559	0.043	ppbv #	1
27) Carbon Disulfide	4.59	76	12860	0.072	ppbv #	1
31) cis-1,2-Dichloroethene	5.60	61	3656	0.036	ppbv #	44
32) 1,1,1-Trichloroethane	6.58	97	9855	0.049	ppbv #	7
35) Carbon Tetrachloride	7.09	117	7572	0.037	ppbv #	54
37) 1,2-Dichloroethane	6.37	62	6865	0.046	ppbv #	84
38) Trichloroethene	7.91	130	3291	0.036	ppbv #	29
39) 1,2-Dichloropropane	7.25	63	637438	8.419	ppbv #	24
42) Bromodichloromethane	7.87	83	20960	0.104	ppbv #	80
48) Dibromochloromethane	10.40	129	8354	0.046	ppbv #	10
49) Bromoform	13.15	173	8780	0.057	ppbv #	42
52) Tetrachloroethene	11.32	164	3357	0.038	ppbv #	68
57) Chlorobenzene	12.25	112	22695	0.109	ppbv #	66
63) 1,1,2,2-Tetrachloroethane	13.79	83	12101	0.055	ppbv #	26
66) Benzyl Chloride	17.11	91	9918	0.052	ppbv #	70
75) 1,3-Dichlorobenzene	17.12	146	12197	0.051	ppbv #	1
76) 1,4-Dichlorobenzene	17.25	146	9538	0.042	ppbv #	8
77) 1,2-Dichlorobenzene	17.94	146	8602	0.039	ppbv #	16
78) Hexachloro-1,3-Butadiene	23.49	225	16153	0.085	ppbv #	34

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070819\

Quantitation Report (Not Reviewed)

Data File : VL034012.D
Acq On : 8 Jul 2019 15:26
Operator : SY/AP
Sample : K3591-15 0.1 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Quant Time: Jul 09 03:48:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	25.09	142	9505	0.082	ppbv #	93

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

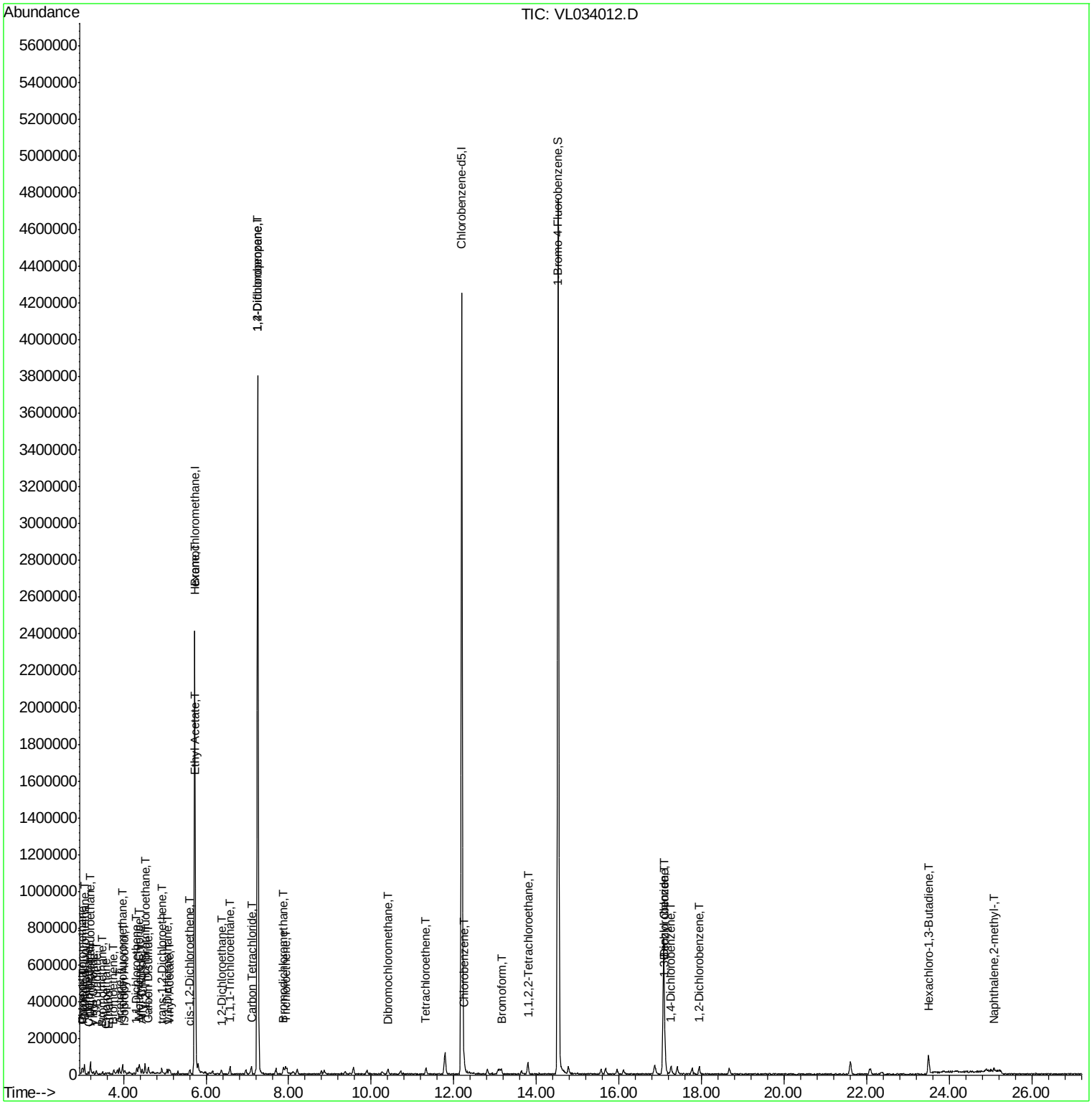
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070819\

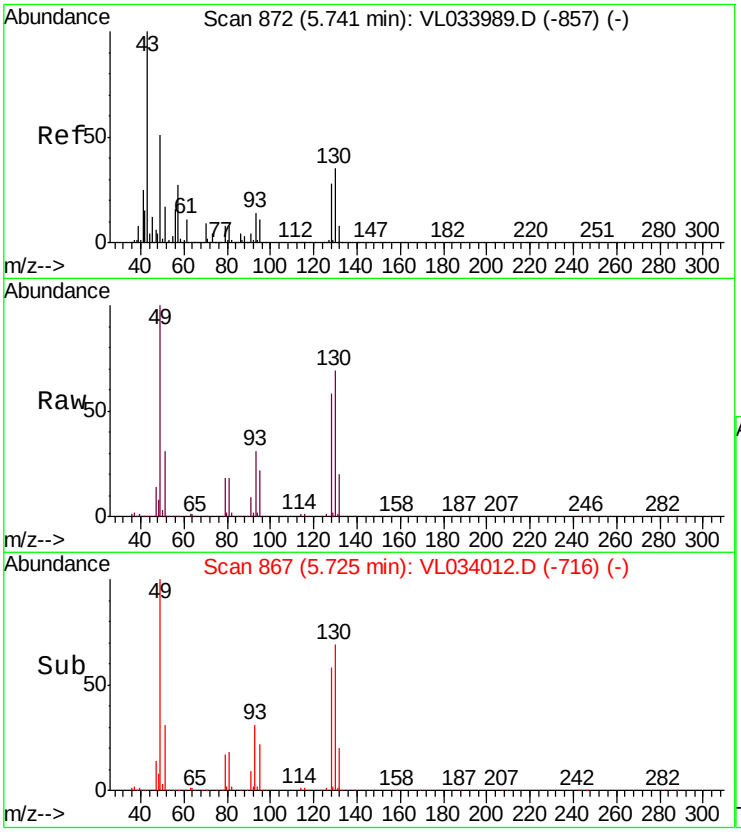
Quantitation Report (Not Reviewed)

Data File : VL034012.D
Acq On : 8 Jul 2019 15:26
Operator : SY/AP
Sample : K3591-15 0.1 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Quant Time: Jul 09 03:48:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration



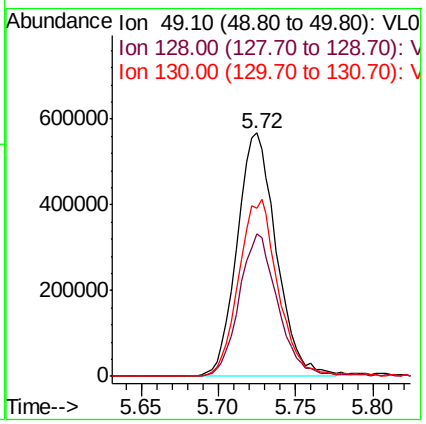


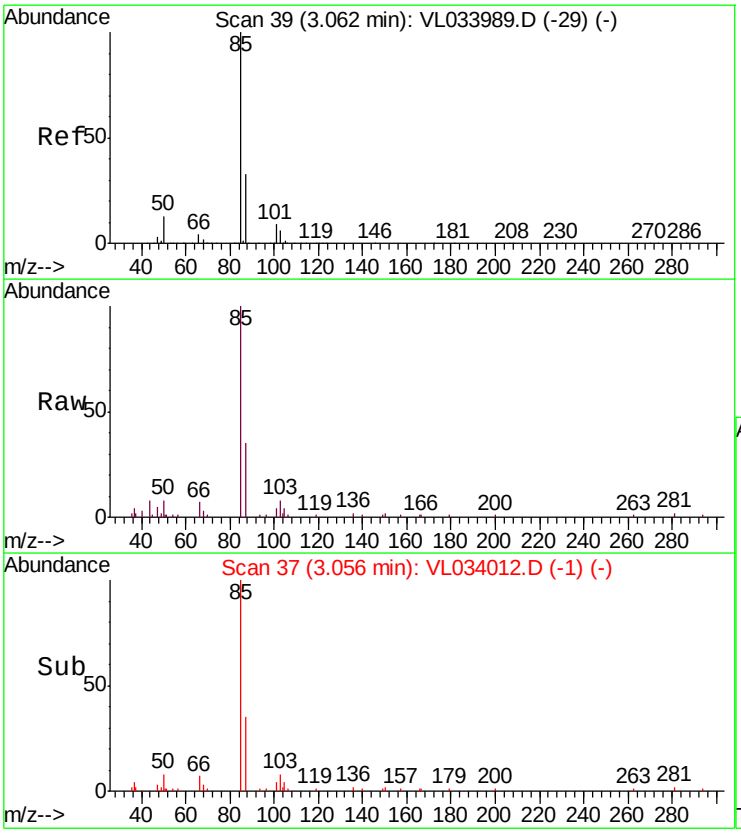
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.72 min Scan# 867
Delta R.T. -0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 49 Resp: 998787

Ion	Ratio	Lower	Upper
49	100		
128	57.7	27.9	83.6
130	74.0	35.8	107.4

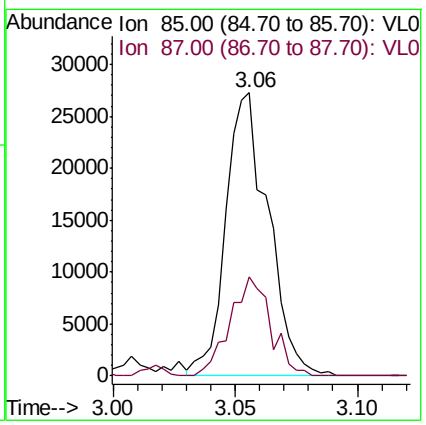


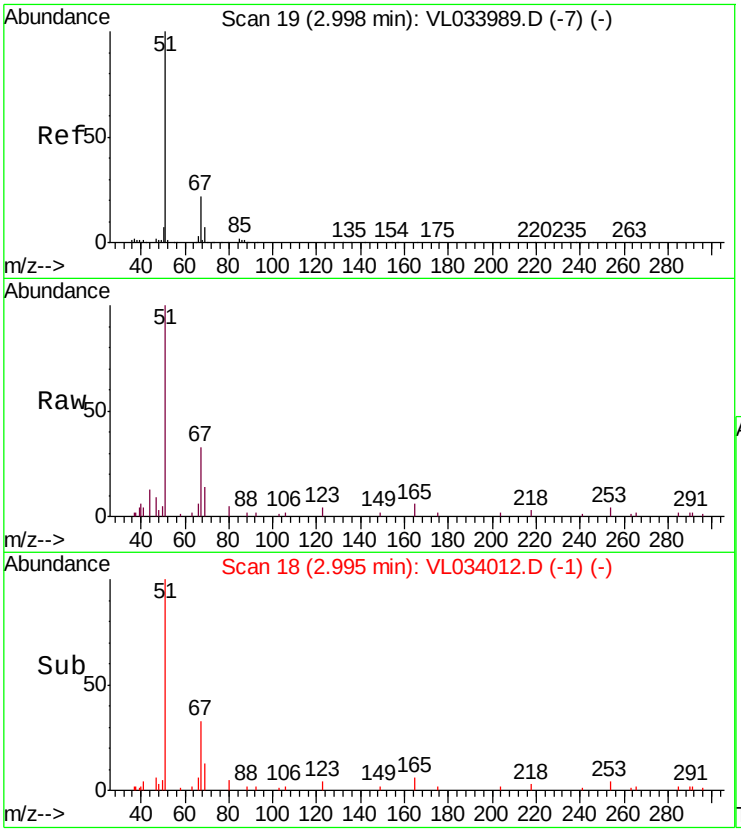


#2
Dichlorodifluoromethane
Concen: 0.160 ppbv
RT: 3.06 min Scan# 37
Delta R.T. -0.01 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion: 85 Resp: 33012

Ion	Ratio	Lower	Upper
85	100		
87	35.2	26.0	39.0



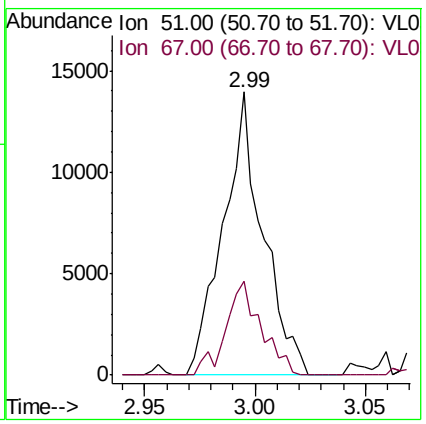


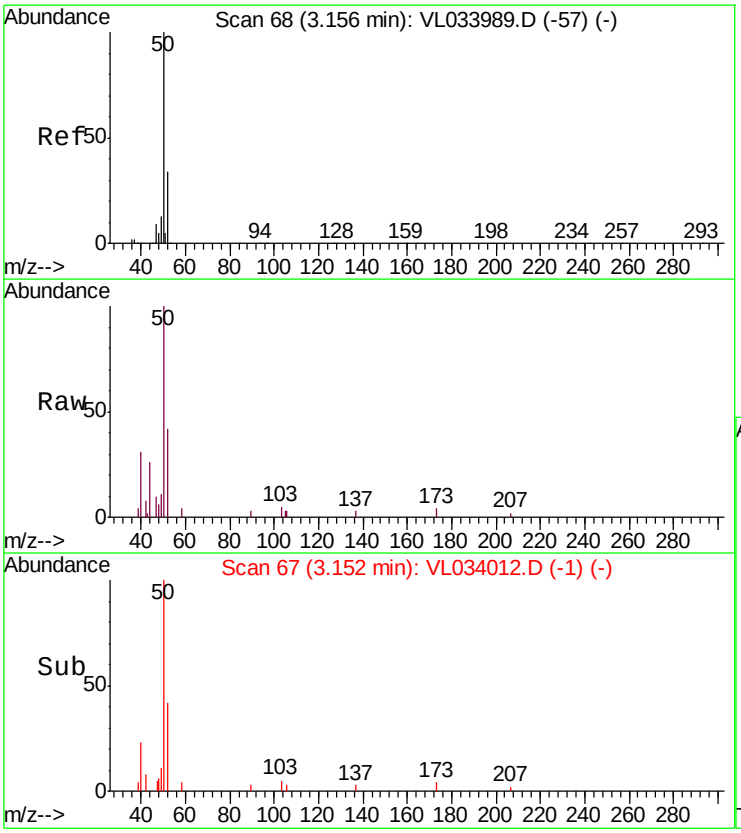
#3
Chlorodifluoromethane
Concen: 0.141 ppbv
RT: 2.99 min Scan# 18
Delta R.T. -0.00 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 51 Resp: 17408

Ion	Ratio	Lower	Upper
51	100		
67	29.7	17.3	25.9#

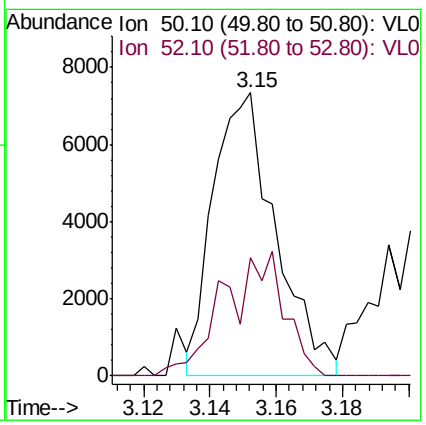


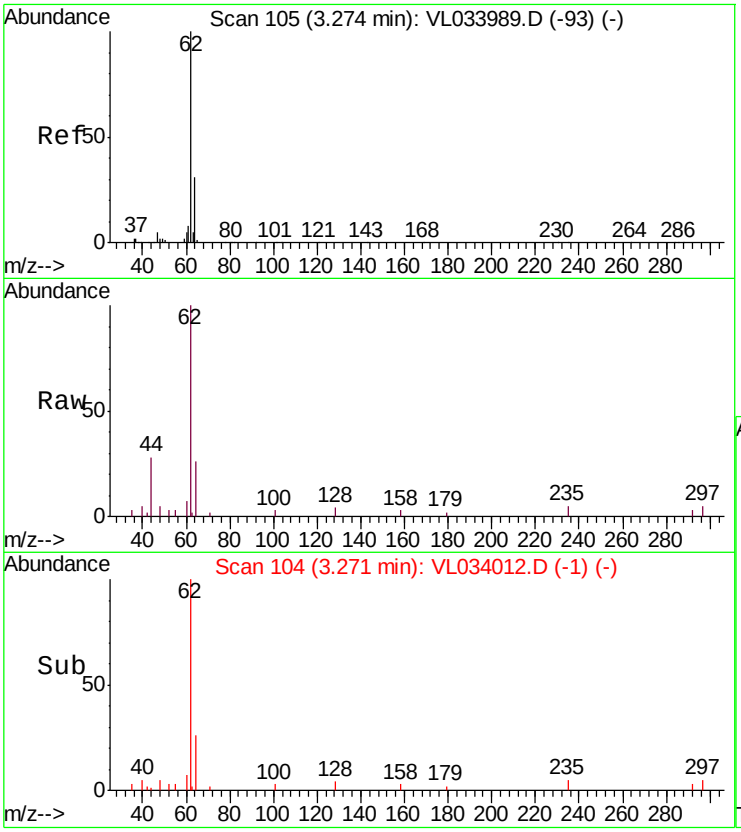


#4
Chloromethane
Concen: 0.136 ppbv
RT: 3.15 min Scan# 67
Delta R.T. -0.00 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion: 50 Resp: 9646

Ion	Ratio	Lower	Upper
50	100		
52	44.2	27.4	41.0#



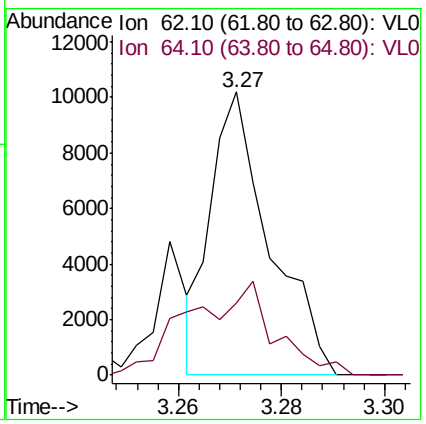


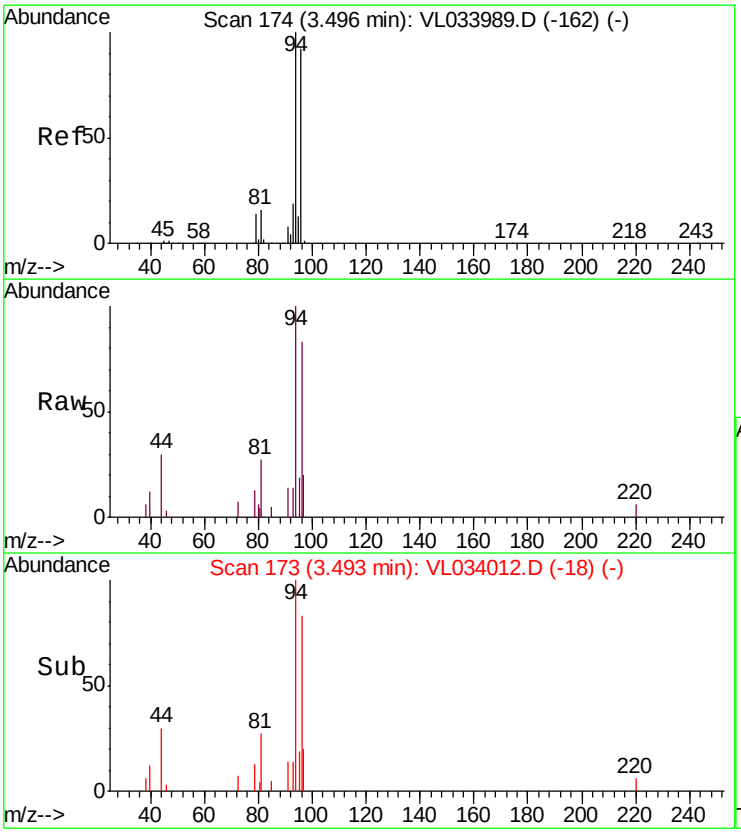
#5
Vinyl Chloride
Concen: 0.101 ppbv
RT: 3.27 min Scan# 104
Delta R.T. -0.00 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 62 Resp: 8079

Ion	Ratio	Lower	Upper
62	100		
64	21.1	24.4	36.6#

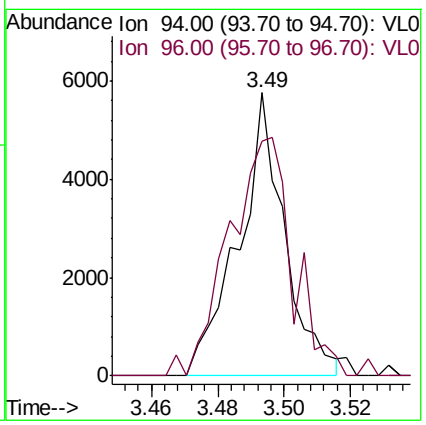


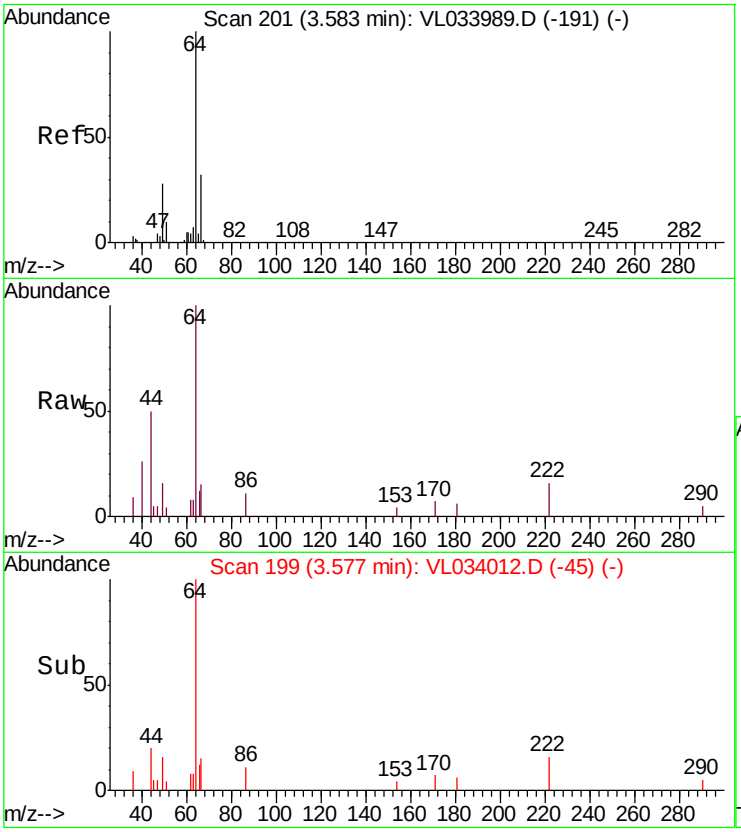


#6
Bromomethane
Concen: 0.118 ppbv
RT: 3.49 min Scan# 173
Delta R.T. -0.00 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion: 94 Resp: 5543

Ion	Ratio	Lower	Upper
94	100		
96	103.0	73.8	110.8



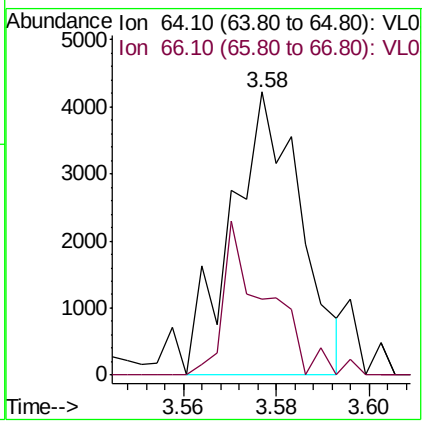


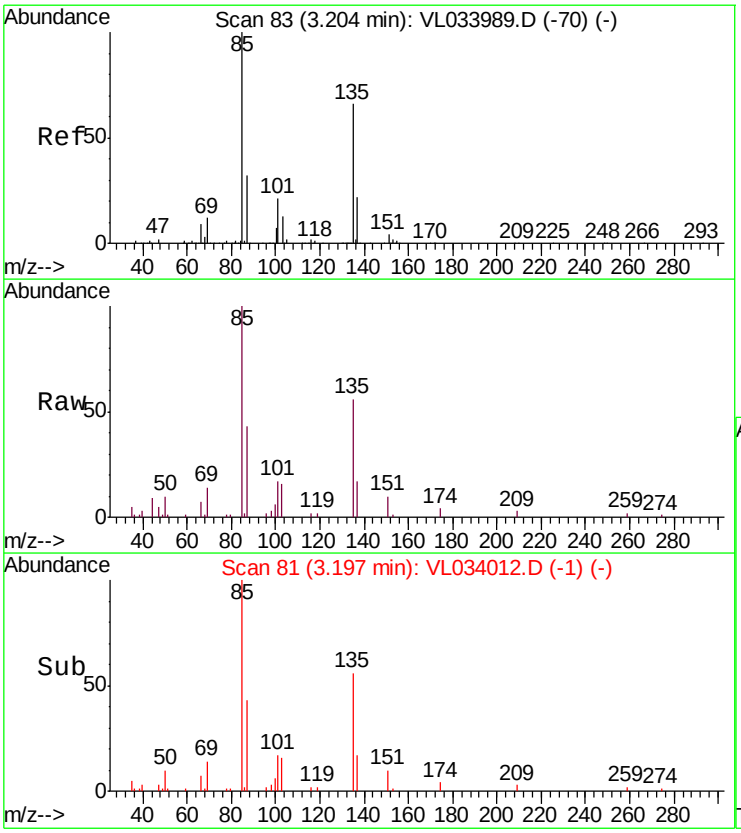
#7
Chloroethane
Concen: 0.153 ppbv
RT: 3.58 min Scan# 199
Delta R.T. -0.01 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 64 Resp: 4347

Ion	Ratio	Lower	Upper
64	100		
66	27.0	25.3	37.9

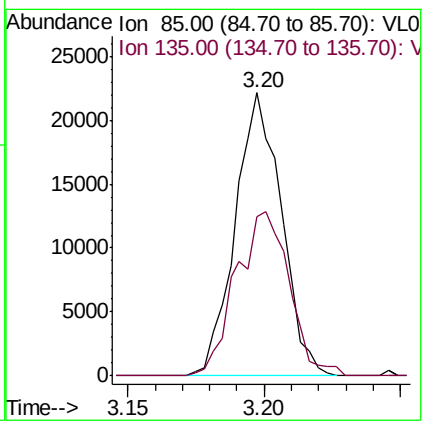


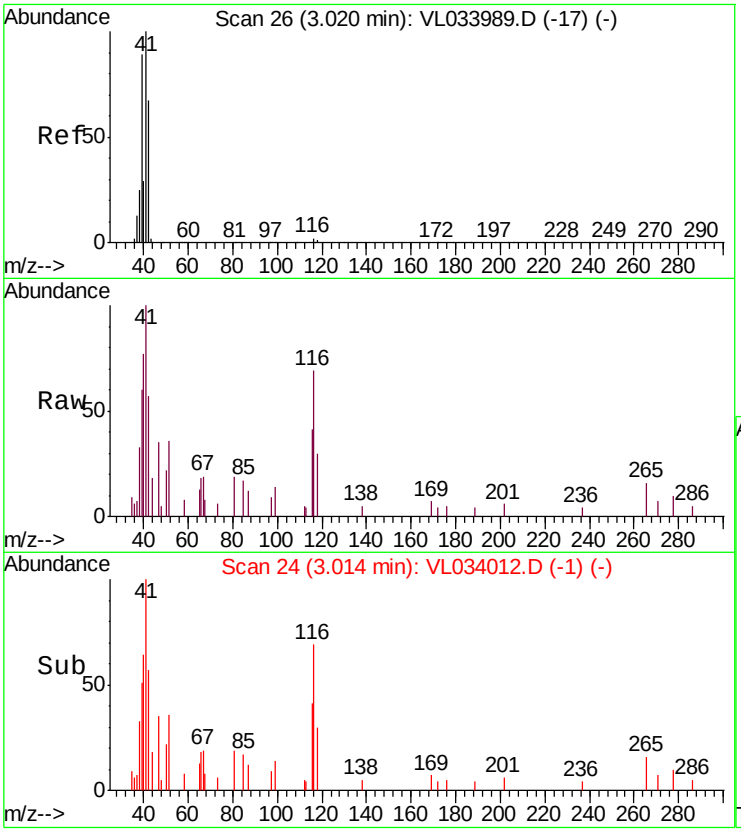


#8
Dichlorotetrafluoroethane
Concen: 0.129 ppbv
RT: 3.20 min Scan# 81
Delta R.T. -0.01 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion: 85 Resp: 25970

Ion	Ratio	Lower	Upper
85	100		
135	67.1	55.0	82.4



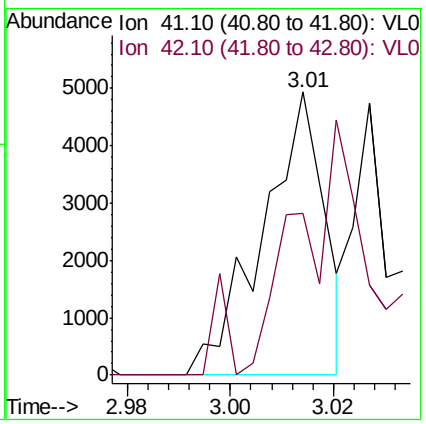


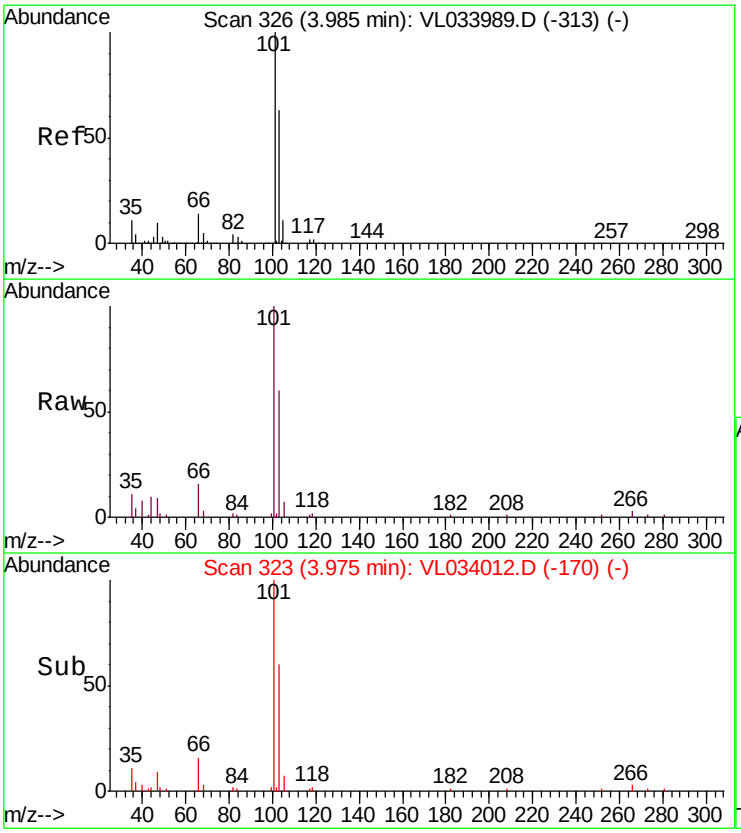
#9
Propene
Concen: 0.090 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.01 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 41 Resp: 4094

Ion	Ratio	Lower	Upper
41	100		
42	110.5	57.1	85.7#

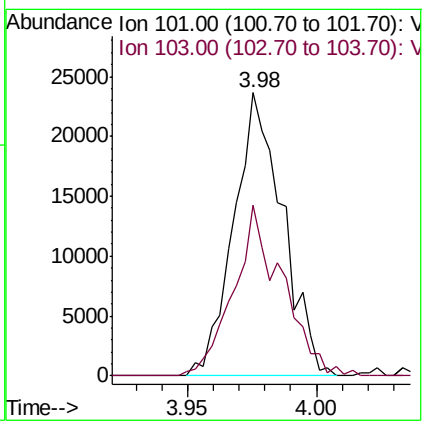


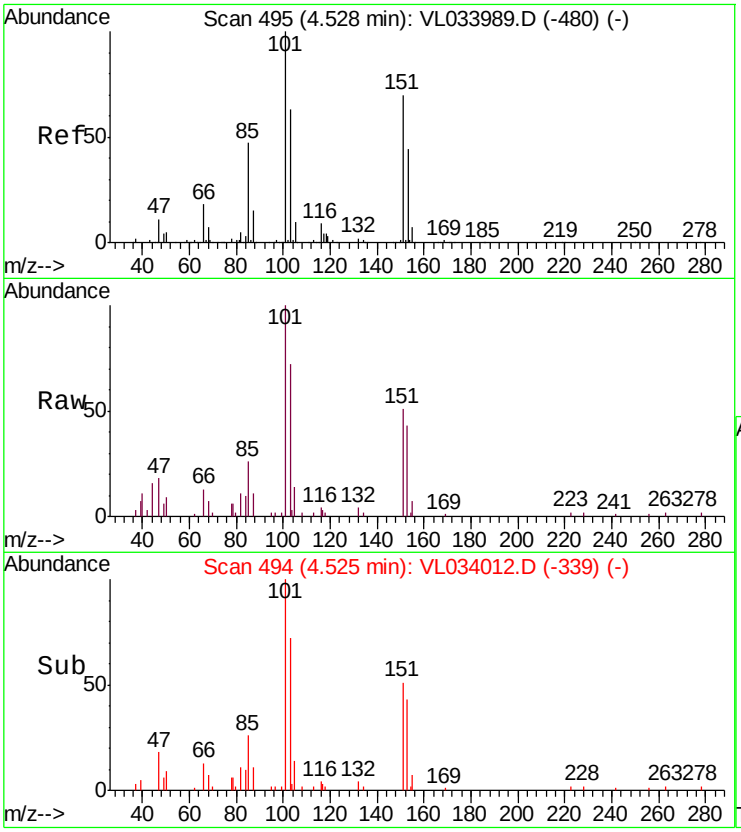


#11
Trichlorofluoromethane
Concen: 0.135 ppbv
RT: 3.98 min Scan# 323
Delta R.T. -0.01 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion:101 Resp: 31315

Ion	Ratio	Lower	Upper
101	100		
103	58.9	50.8	76.2



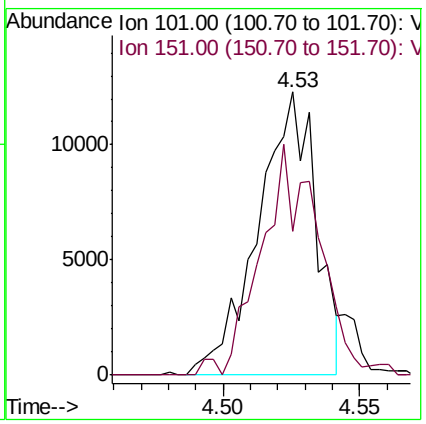


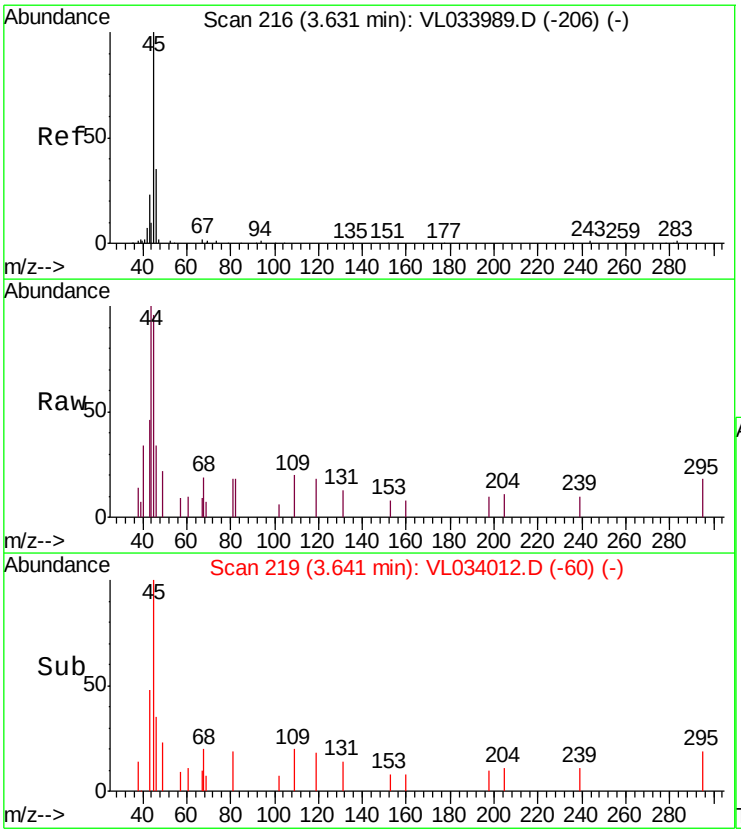
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.110 ppbv
RT: 4.53 min Scan# 494
Delta R.T. -0.00 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion:101 Resp: 18107

Ion	Ratio	Lower	Upper
101	100		
151	81.6	59.0	88.4

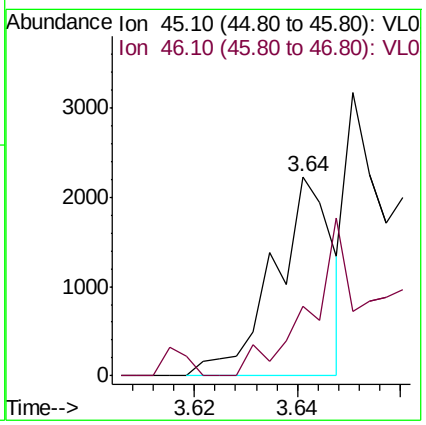


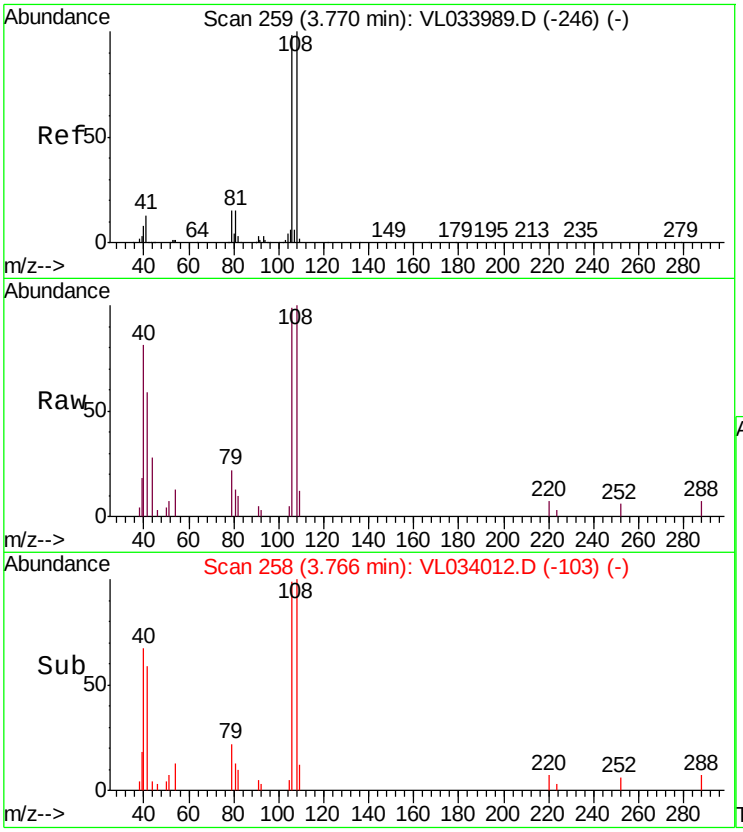


#13
Ethanol
Concen: 0.123 ppbv
RT: 3.64 min Scan# 219
Delta R.T. 0.01 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion: 45 Resp: 1729

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.2	64.6#



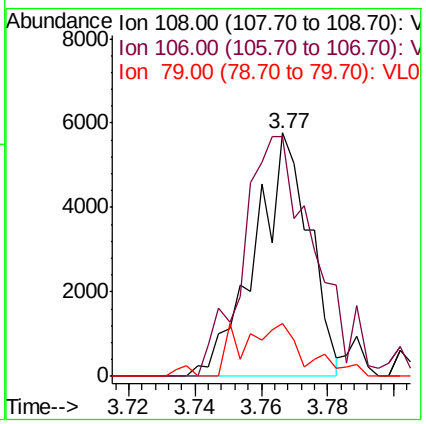


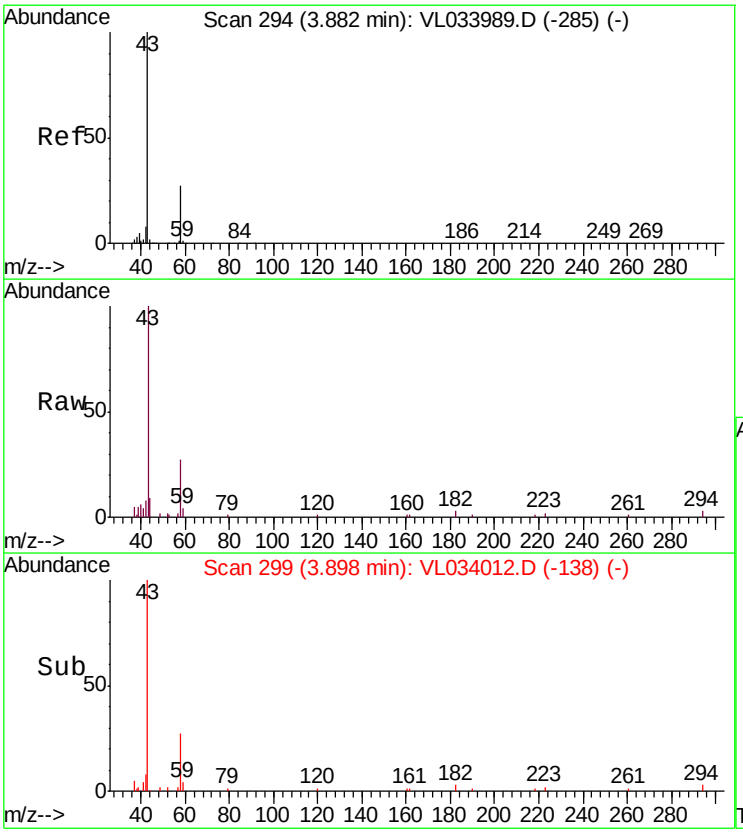
#14
Bromoethene
Concen: 0.107 ppbv
RT: 3.77 min Scan# 258
Delta R.T. -0.00 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion:108 Resp: 6578

Ion	Ratio	Lower	Upper
108	100		
106	134.3	85.6	128.4#
79	26.5	14.0	21.0#

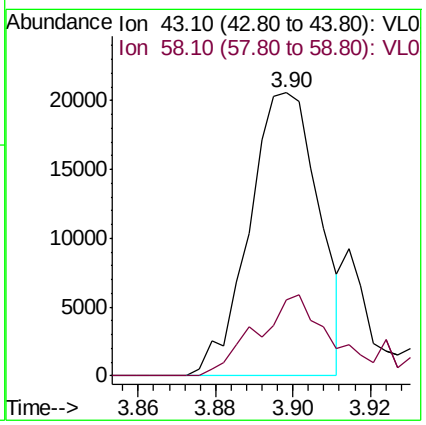


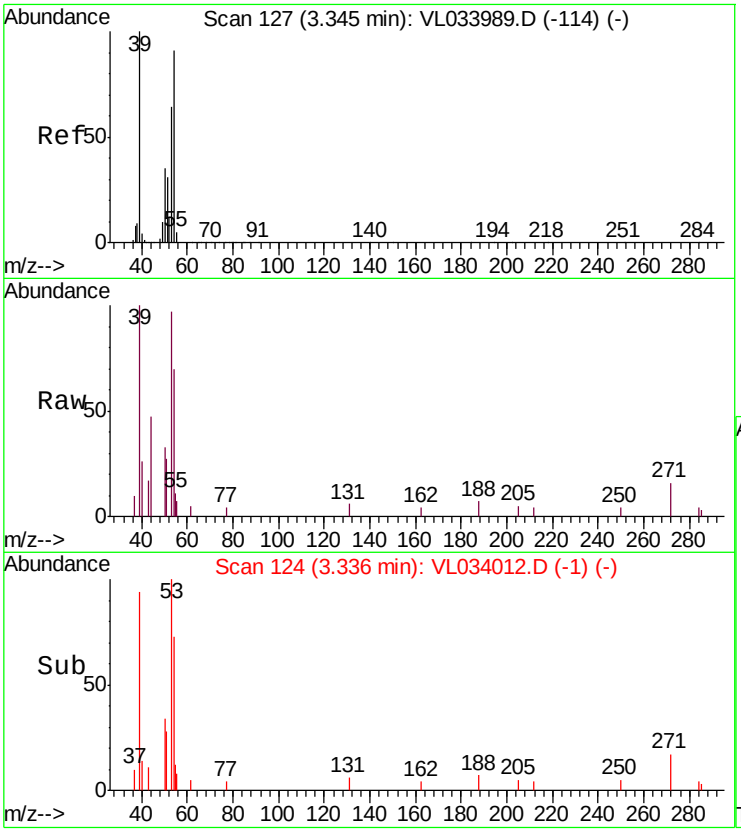


#15
Acetone
Concen: 0.154 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion: 43 Resp: 25777

Ion	Ratio	Lower	Upper
43	100		
58	33.3	21.4	32.0#



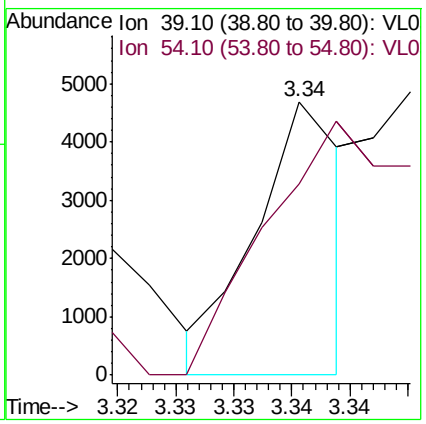


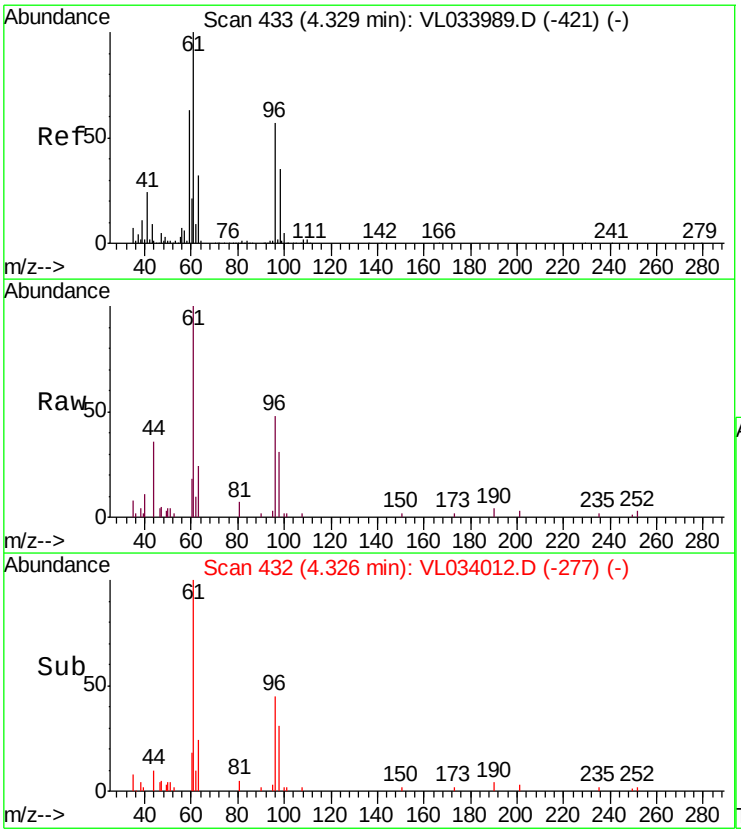
#16
1,3-Butadiene
Concen: 0.041 ppbv
RT: 3.34 min Scan# 124
Delta R.T. -0.01 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 39 Resp: 2442

Ion	Ratio	Lower	Upper
39	100		
54	232.4	71.4	107.2#

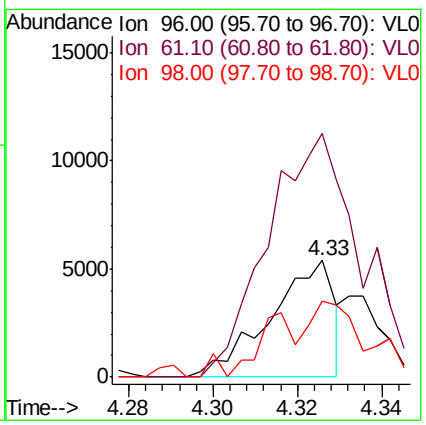


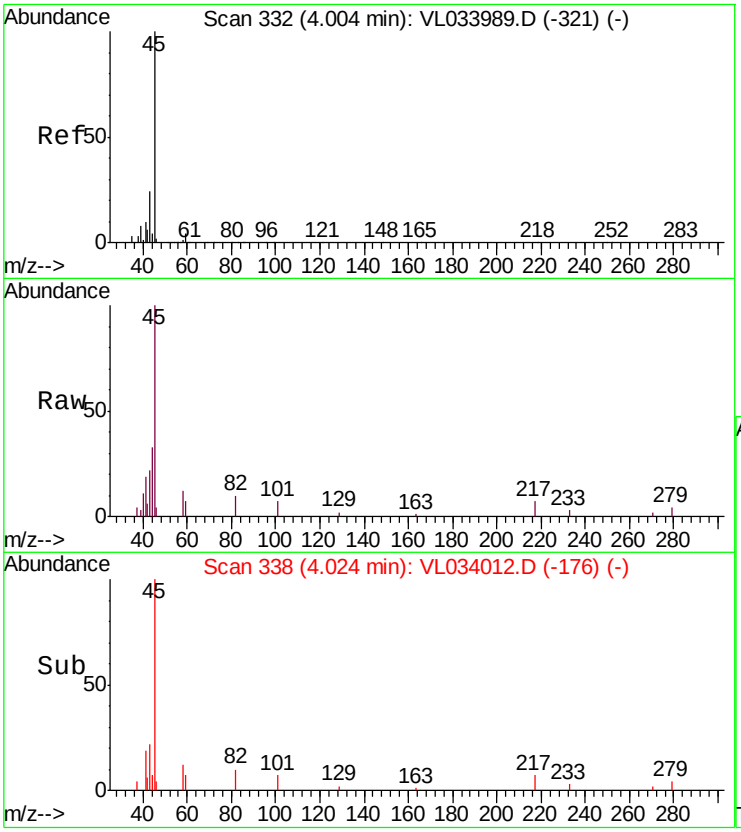


#18
1,1-Dichloroethene
Concen: 0.078 ppbv
RT: 4.33 min Scan# 432
Delta R.T. -0.00 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion: 96 Resp: 5671

Ion	Ratio	Lower	Upper
96	100		
61	209.3	139.4	209.0#
98	65.3	49.4	74.0



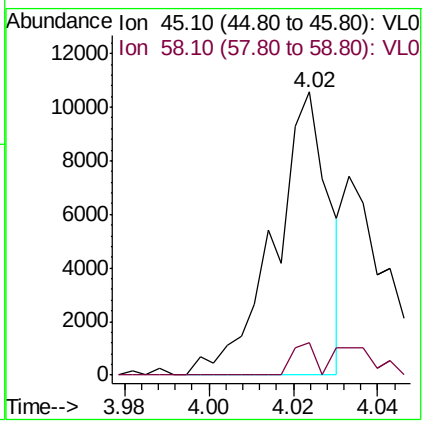


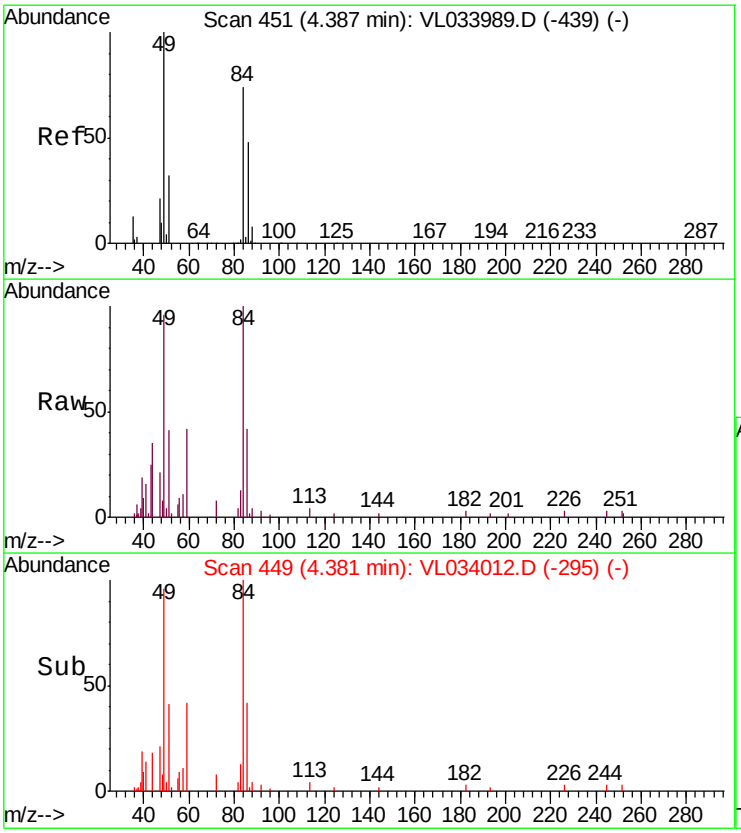
#19
Isopropyl Alcohol
Concen: 0.084 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 45 Resp: 9459

Ion	Ratio	Lower	Upper
45	100		
58	12.5	1.7	2.5#

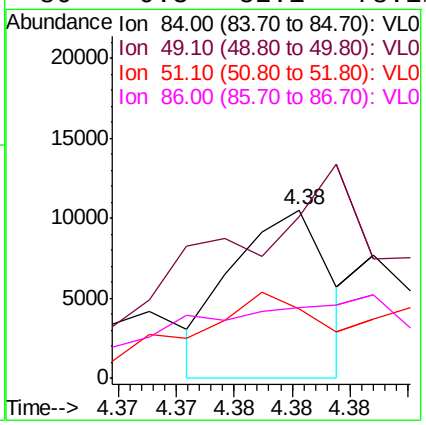


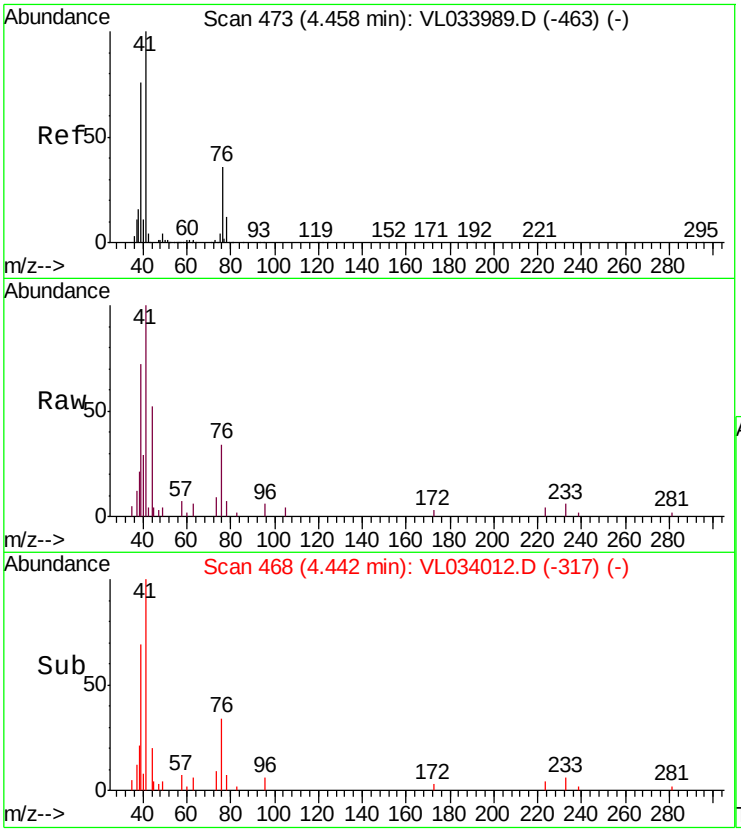


#20
Methylene Chloride
Concen: 0.084 ppbv
RT: 4.38 min Scan# 449
Delta R.T. -0.01 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion: 84 Resp: 6132

Ion	Ratio	Lower	Upper
84	100		
49	24.3	107.6	161.4#
51	19.0	35.0	52.6#
86	9.3	52.1	78.1#



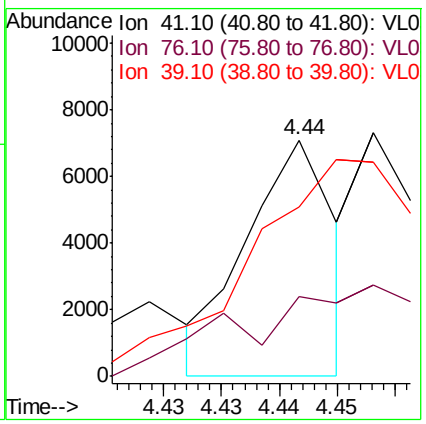


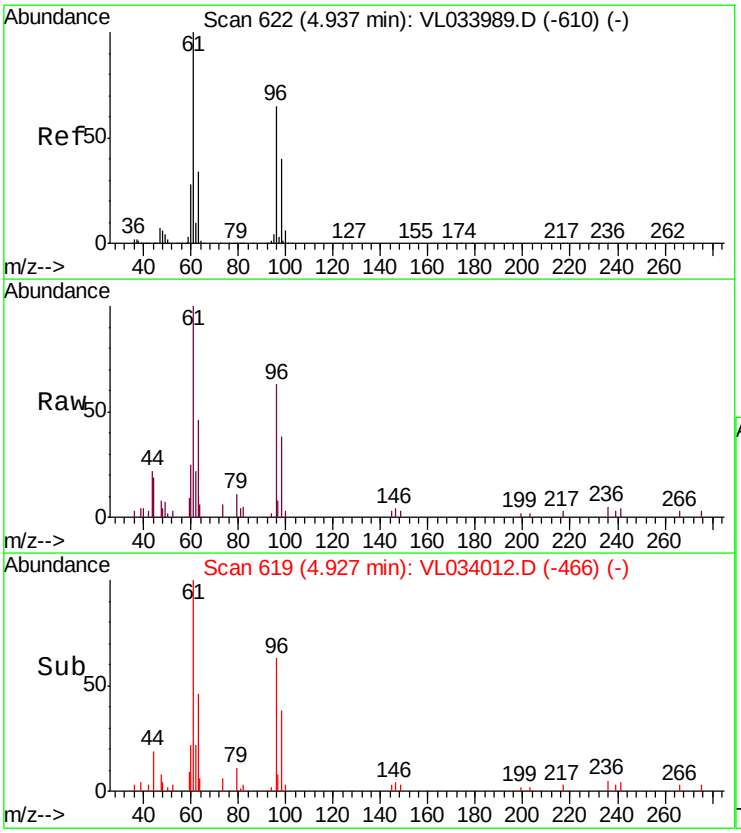
#21
Allyl Chloride
Concen: 0.036 ppbv
RT: 4.44 min Scan# 468
Delta R.T. -0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 41 Resp: 3749

Ion	Ratio	Lower	Upper
41	100		
76	122.8	26.8	40.2#
39	266.9	63.1	94.7#

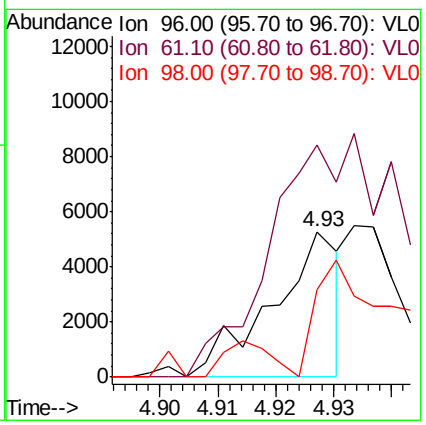


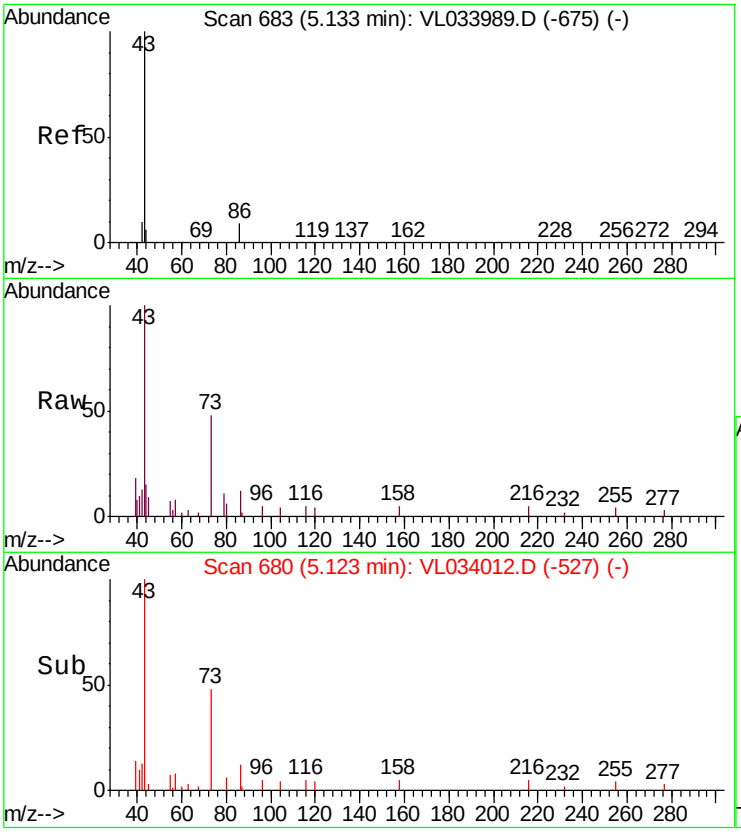


#22
trans-1,2-Dichloroethene
Concen: 0.061 ppbv
RT: 4.93 min Scan# 619
Delta R.T. -0.01 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion: 96 Resp: 4253

Ion	Ratio	Lower	Upper
96	100		
61	141.8	122.9	184.3
98	53.8	49.6	74.4



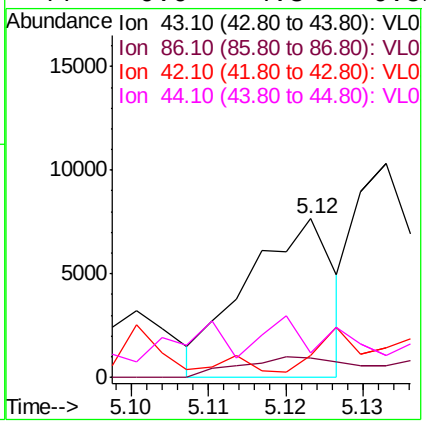


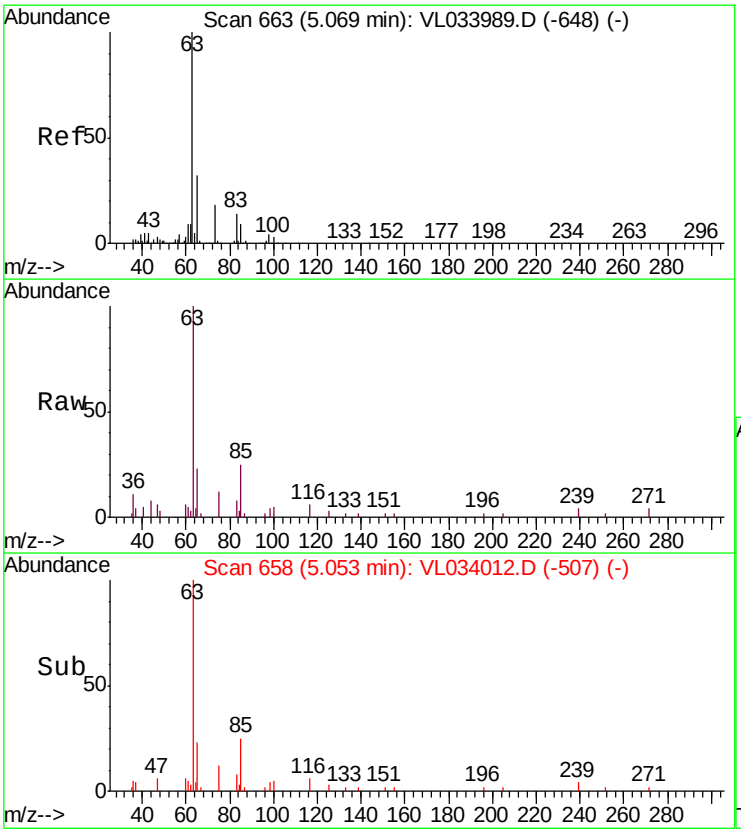
#23
Vinyl Acetate
Concen: 0.036 ppbv
RT: 5.12 min Scan# 680
Delta R.T. -0.01 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 43 Resp: 6041

Ion	Ratio	Lower	Upper
43	100		
86	15.0	6.6	9.8#
42	10.8	8.3	12.5
44	0.0	4.3	6.5#

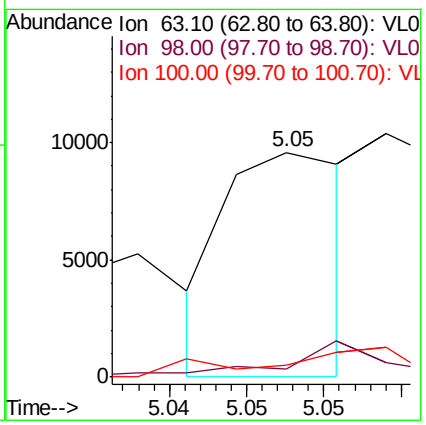


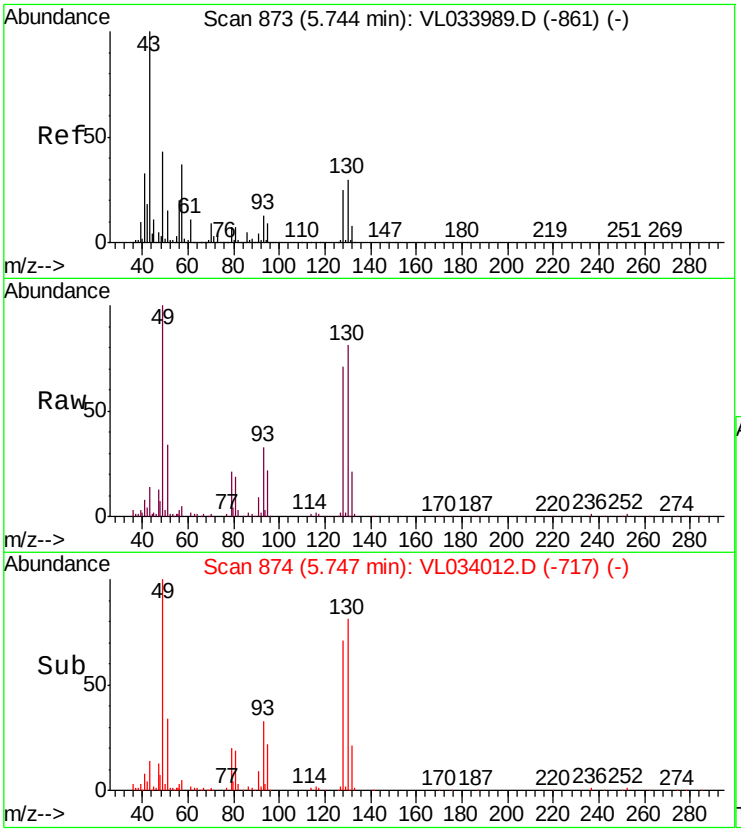


#24
1,1-Dichloroethane
Concen: 0.035 ppbv
RT: 5.05 min Scan# 658
Delta R.T. -0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion: 63 Resp: 5264

Ion	Ratio	Lower	Upper
63	100		
98	3.1	2.2	6.6
100	0.0	1.4	4.2#



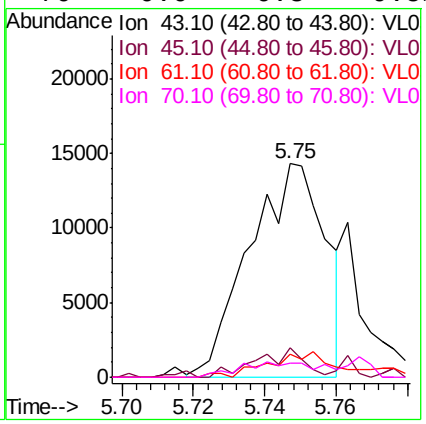


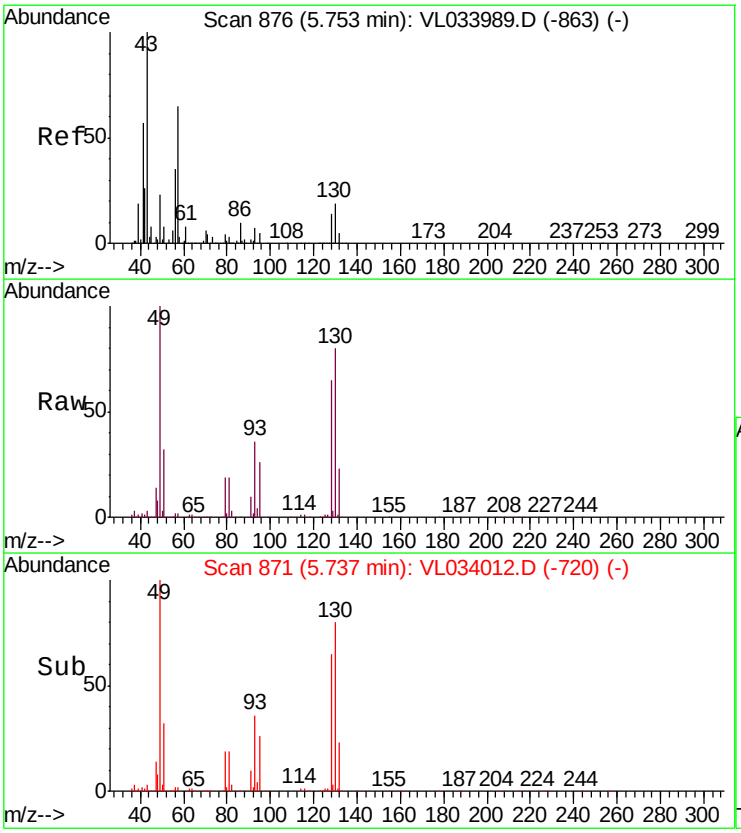
#25
Ethyl Acetate
Concen: 0.092 ppbv
RT: 5.75 min Scan# 874
Delta R.T. 0.00 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument : MSVOA_L
ClientSampleId : MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 43 Resp: 21065

Ion	Ratio	Lower	Upper
43	100		
45	11.3	8.1	12.1
61	12.5	8.1	12.1#
70	0.0	6.3	9.5#

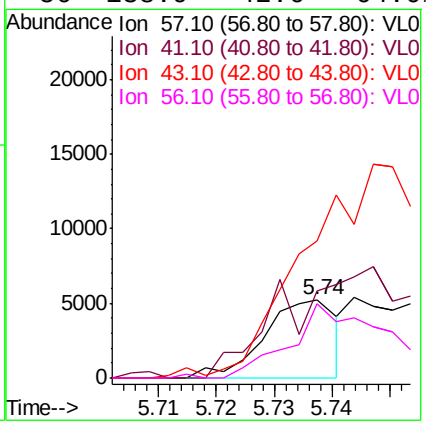


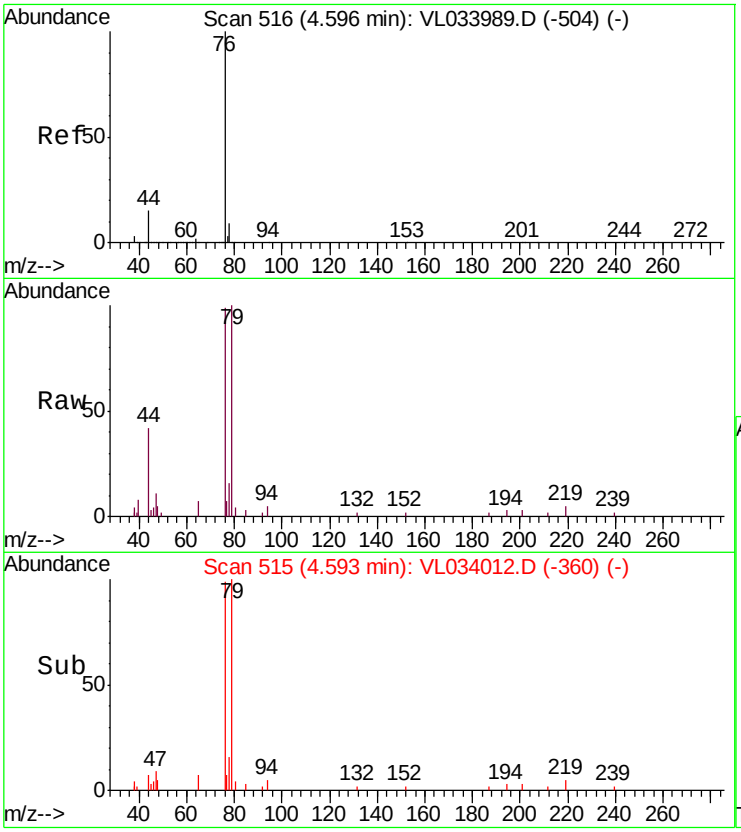


#26
Hexane
Concen: 0.043 ppbv
RT: 5.74 min Scan# 871
Delta R.T. -0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion: 57 Resp: 4559

Ion	Ratio	Lower	Upper
57	100		
41	0.0	70.6	105.8#
43	0.0	177.6	266.4#
56	138.9	42.6	64.0#



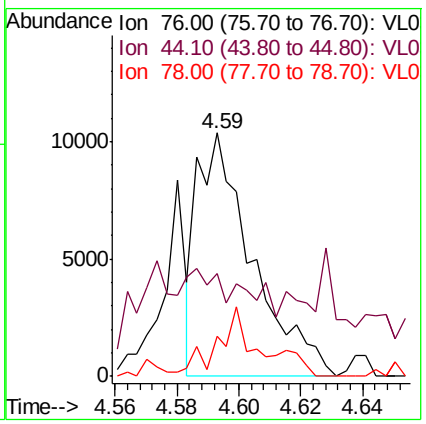


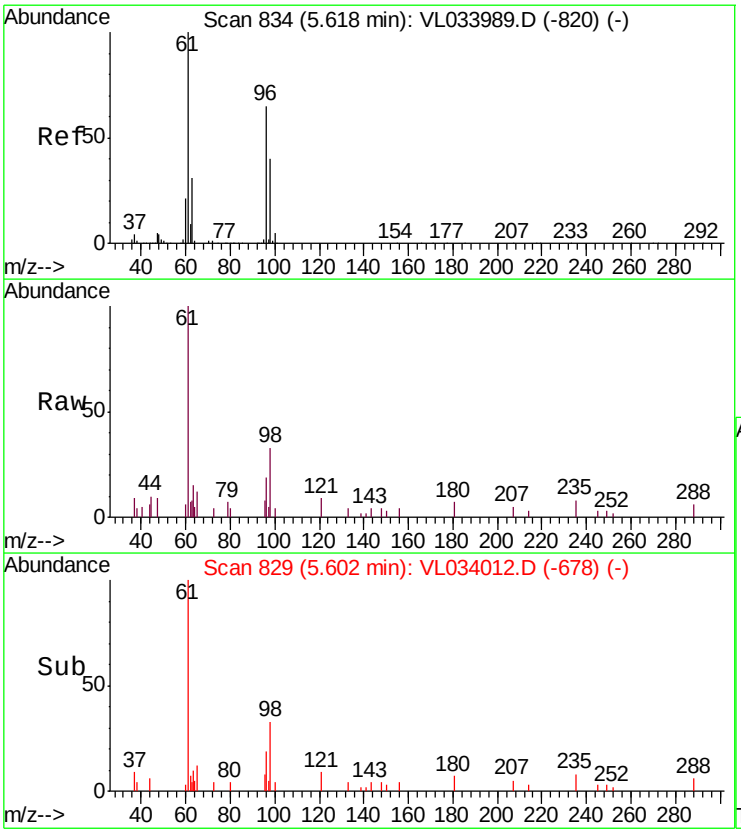
#27
Carbon Disulfide
Concen: 0.072 ppbv
RT: 4.59 min Scan# 515
Delta R.T. -0.00 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 76 Resp: 12860

Ion	Ratio	Lower	Upper
76	100		
44	98.0	12.6	18.8#
78	24.0	7.2	10.8#

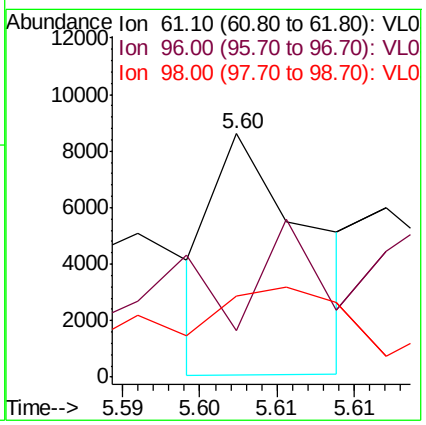


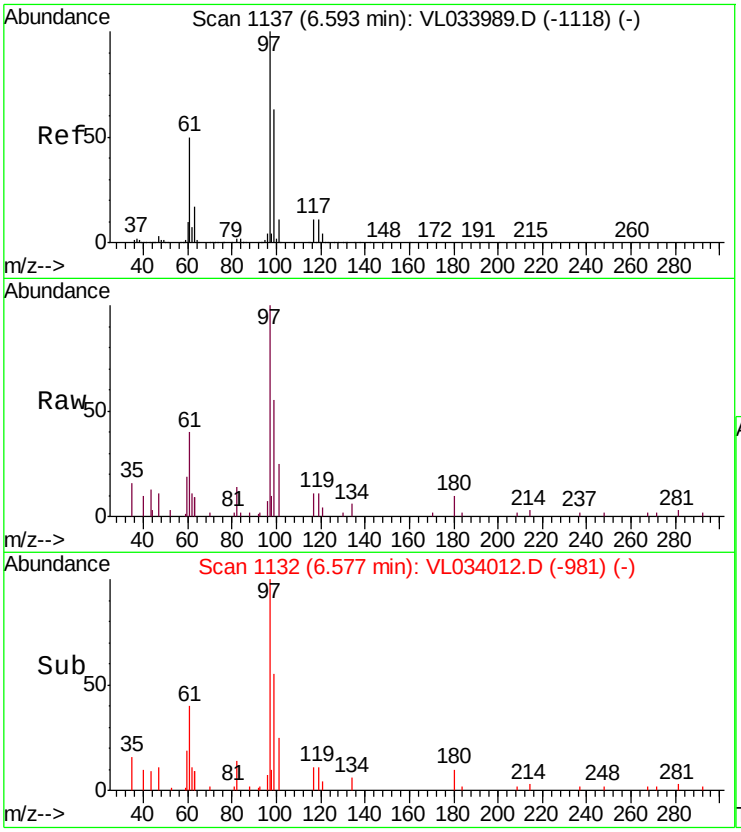


#31
cis-1,2-Dichloroethene
Concen: 0.036 ppbv
RT: 5.60 min Scan# 829
Delta R.T. -0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion: 61 Resp: 3656

Ion	Ratio	Lower	Upper
61	100		
96	0.0	51.8	77.6#
98	31.4	32.1	48.1#



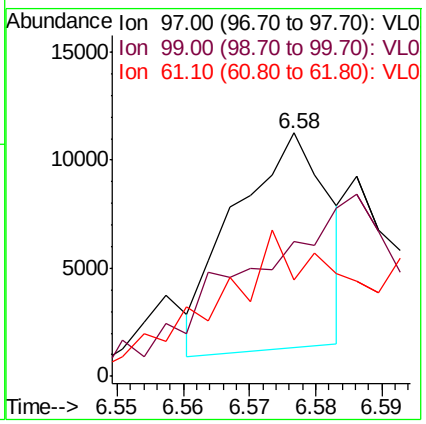


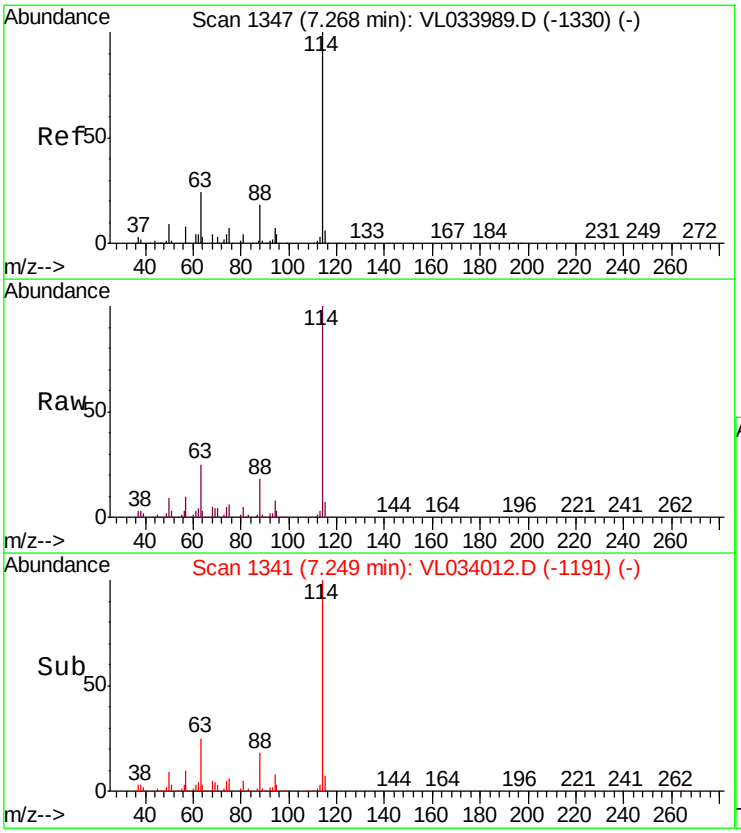
#32
1,1,1-Trichloroethane
Concen: 0.049 ppbv
RT: 6.58 min Scan# 1132
Delta R.T. -0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 97 Resp: 9855

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.9	77.9#
61	123.6	39.8	59.8#

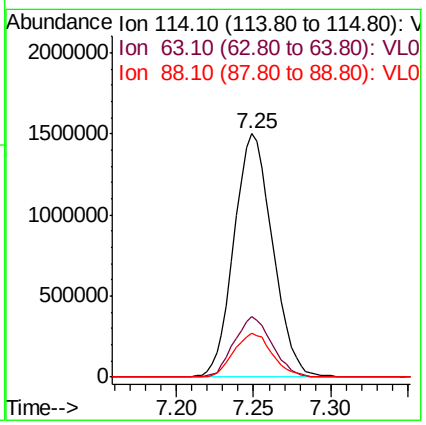


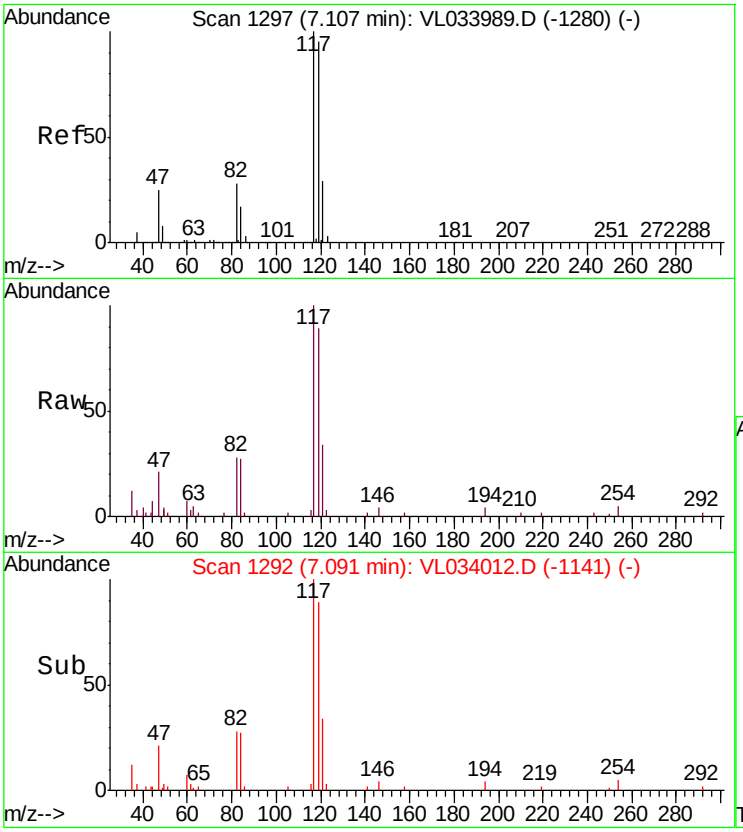


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion:114 Resp: 2602086

Ion	Ratio	Lower	Upper
114	100		
63	24.7	20.2	30.2
88	18.1	14.1	21.1



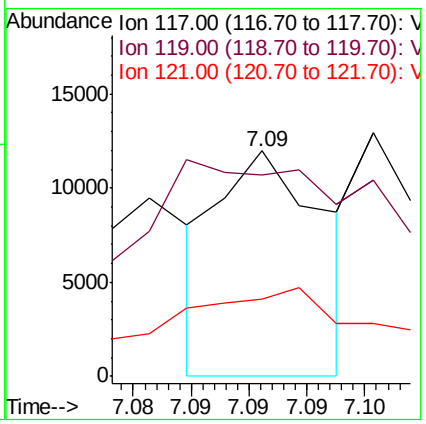


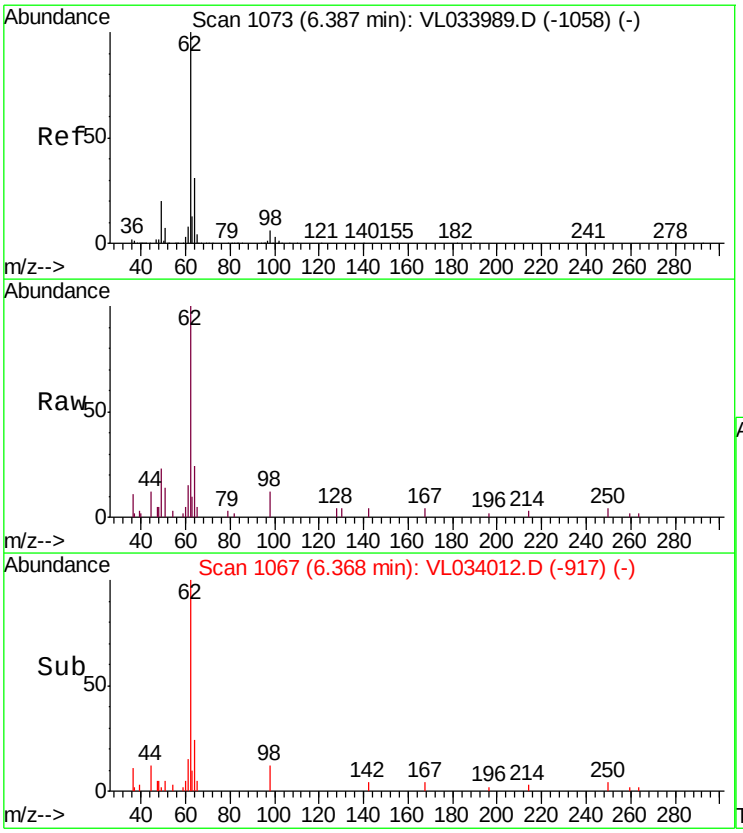
#35
Carbon Tetrachloride
Concen: 0.037 ppbv
RT: 7.09 min Scan# 1292
Delta R.T. -0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion:117 Resp: 7572

Ion	Ratio	Lower	Upper
117	100		
119	39.1	75.8	113.6#
121	33.3	23.4	35.2

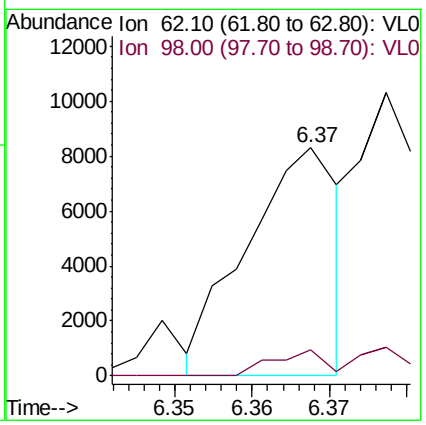


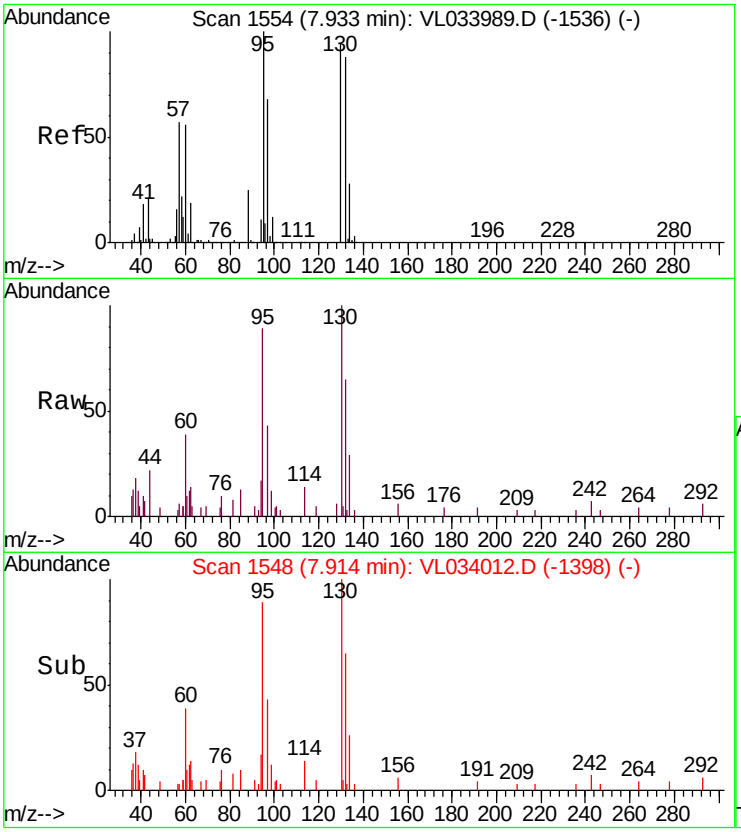


#37
1,2-Dichloroethane
Concen: 0.046 ppbv
RT: 6.37 min Scan# 1067
Delta R.T. -0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion: 62 Resp: 6865

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.4	6.6#



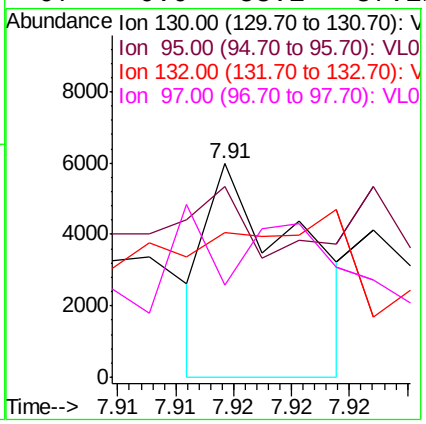


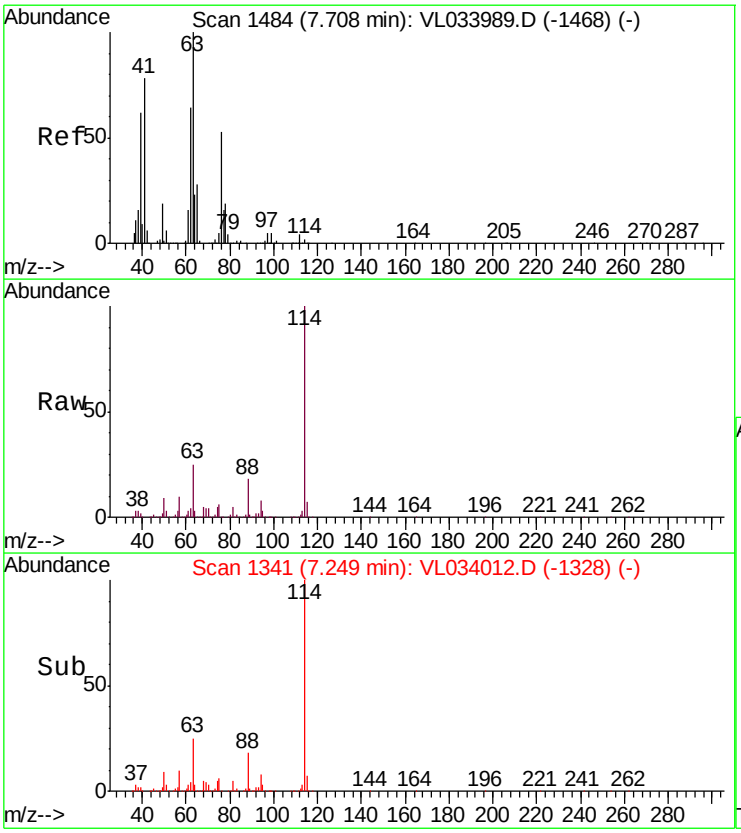
#38
Trichloroethene
Concen: 0.036 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion:130 Resp: 3291

Ion	Ratio	Lower	Upper
130	100		
95	47.8	85.5	128.3#
132	21.1	75.1	112.7#
97	0.0	58.1	87.1#

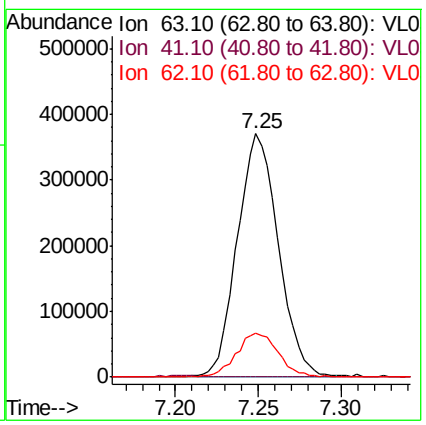


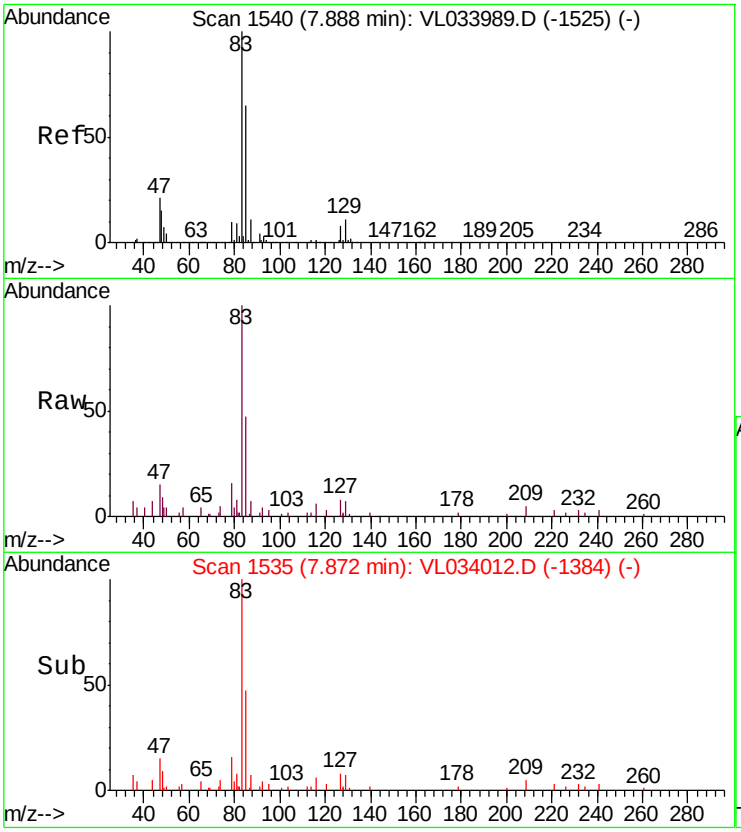


#39
1,2-Dichloropropane
Concen: 8.419 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.46 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion: 63 Resp: 637438

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.3	93.5#
62	18.0	51.4	77.2#



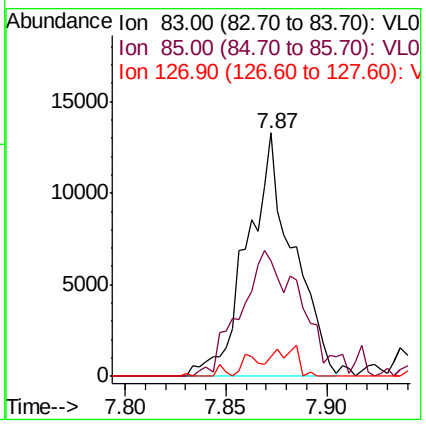


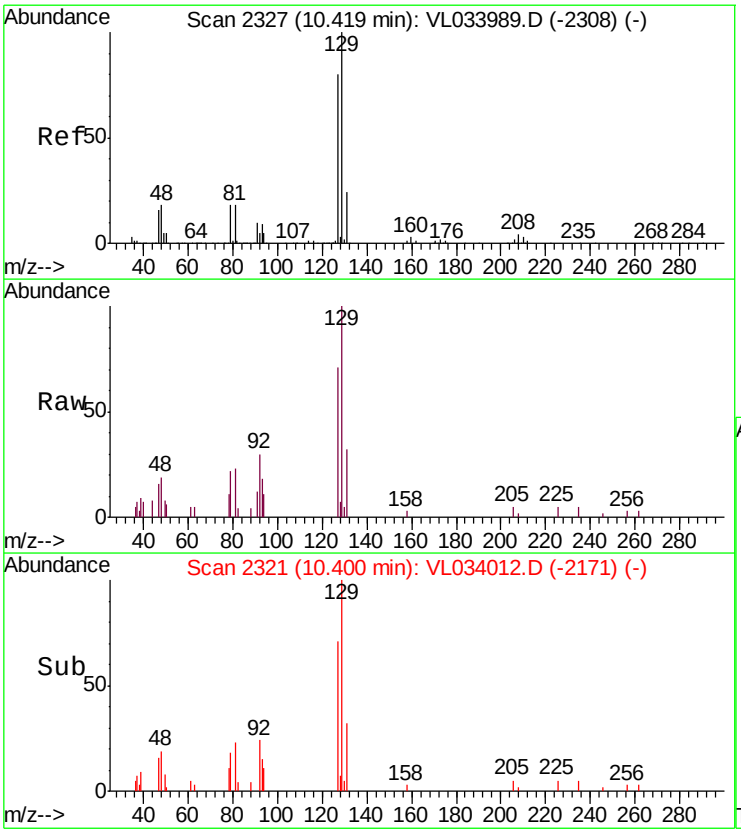
#42
Bromodichloromethane
Concen: 0.104 ppbv
RT: 7.87 min Scan# 1535
Delta R.T. -0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 83 Resp: 20960

Ion	Ratio	Lower	Upper
83	100		
85	47.5	51.8	77.8#
127	8.0	6.5	9.7

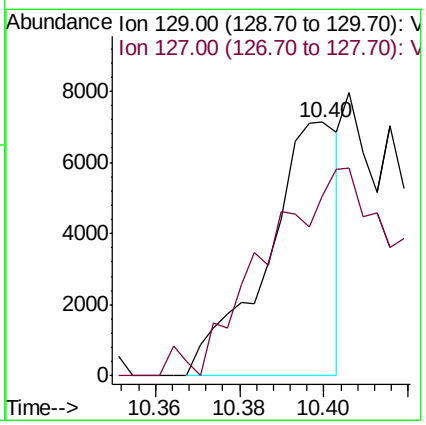


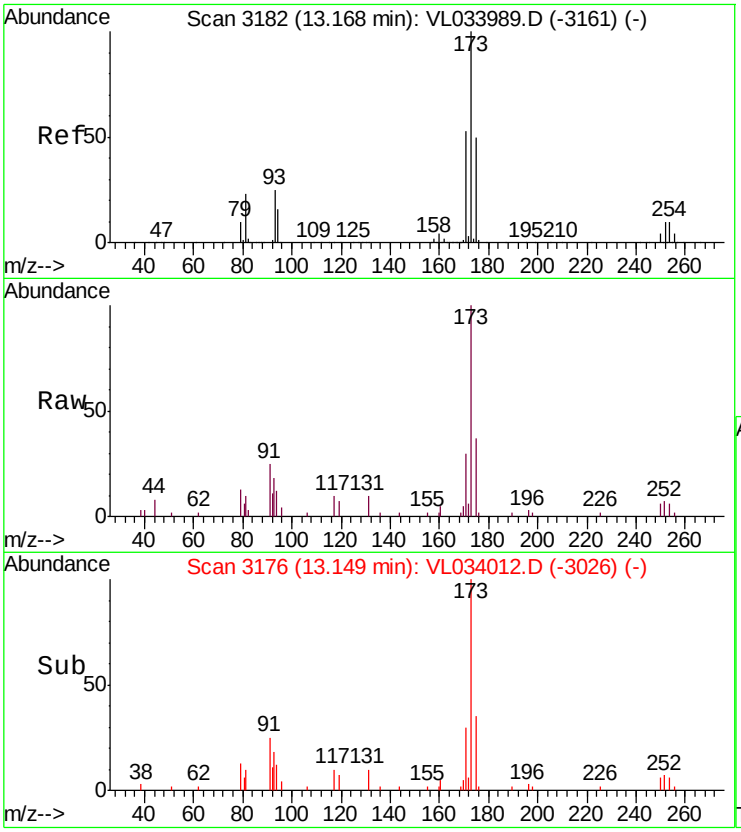


#48
Dibromochloromethane
Concen: 0.046 ppbv
RT: 10.40 min Scan# 2321
Delta R.T. -0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion:129 Resp: 8354

Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.1	117.3#



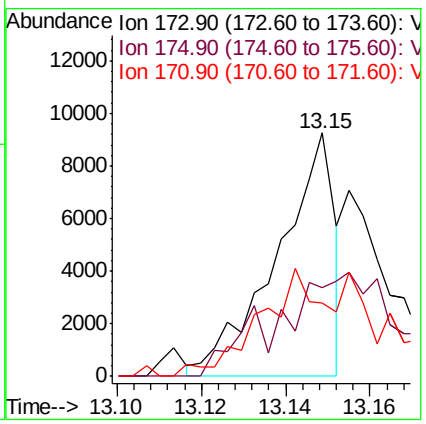


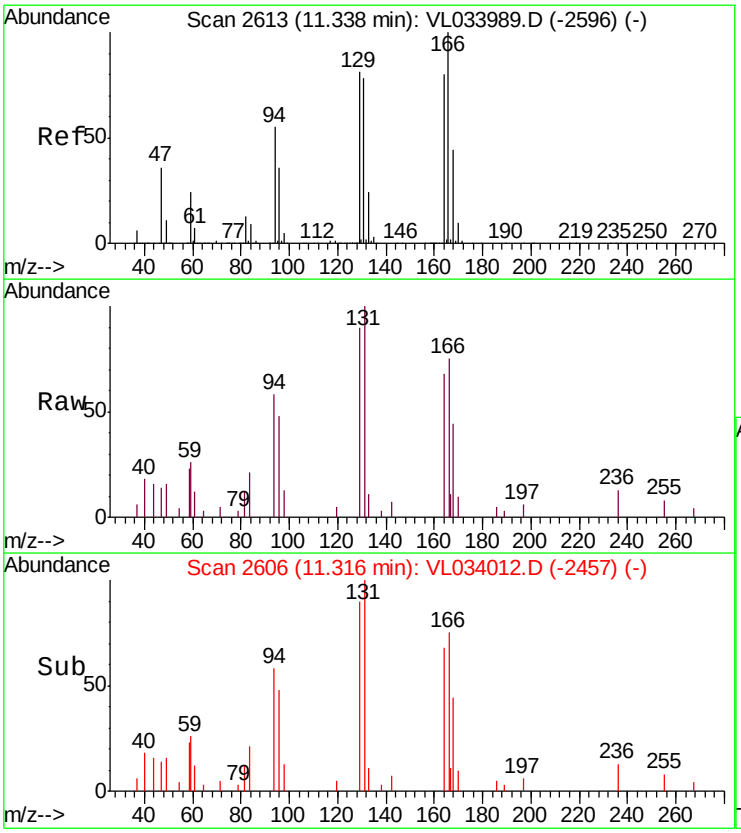
#49
Bromoform
Concen: 0.057 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. -0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion:173 Resp: 8780

Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.3	58.9#
171	83.3	41.4	62.0#

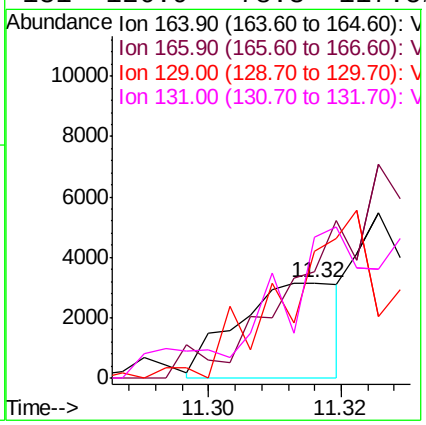


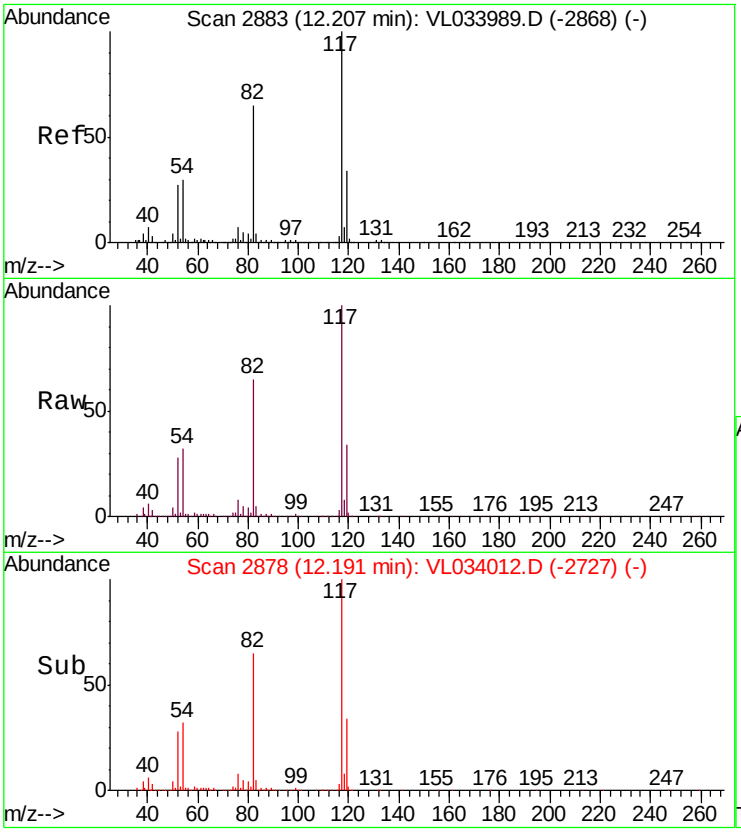


#52
Tetrachloroethene
Concen: 0.038 ppbv
RT: 11.32 min Scan# 2606
Delta R.T. -0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion:164 Resp: 3357

Ion	Ratio	Lower	Upper
164	100		
166	81.4	100.2	150.2#
129	129.5	81.0	121.6#
131	126.9	78.3	117.5#



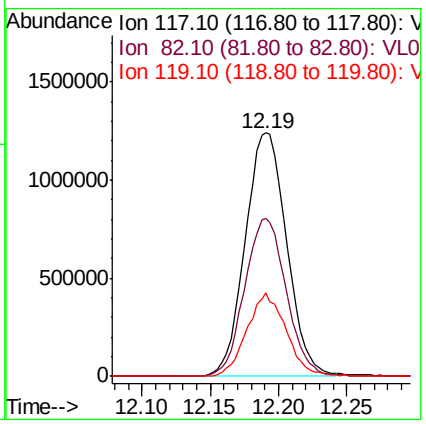


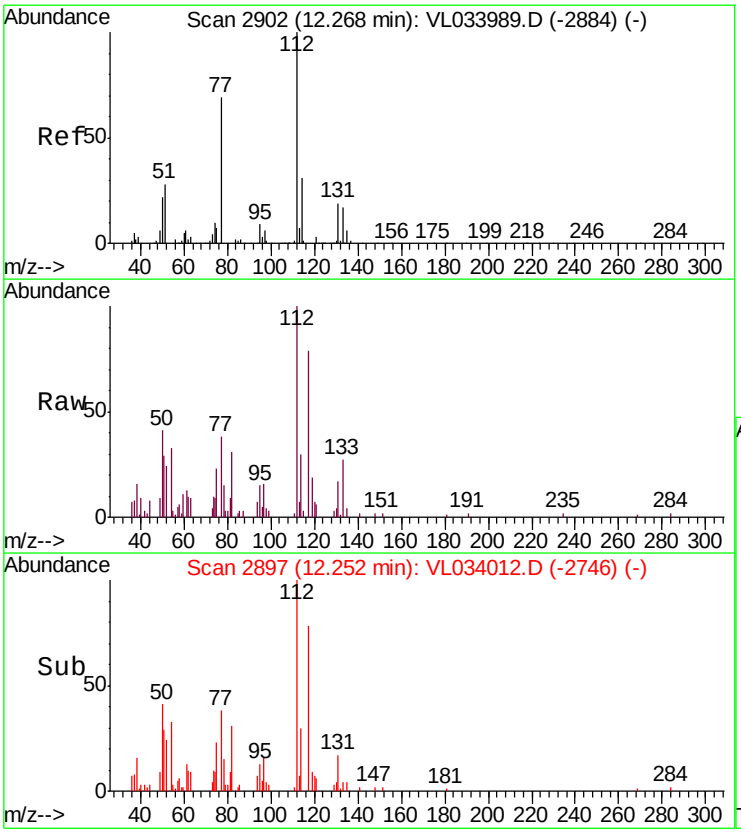
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.19 min Scan# 2878
Delta R.T. -0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion:117 Resp: 2621354

Ion	Ratio	Lower	Upper
117	100		
82	65.0	50.8	76.2
119	32.5	24.0	36.0

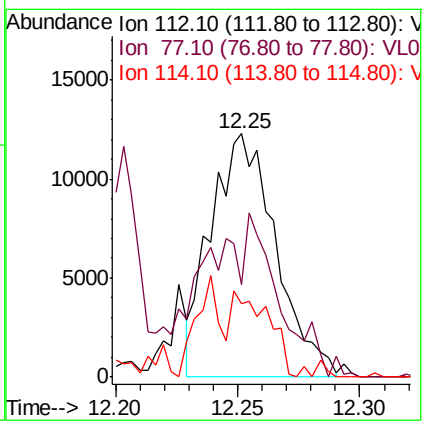


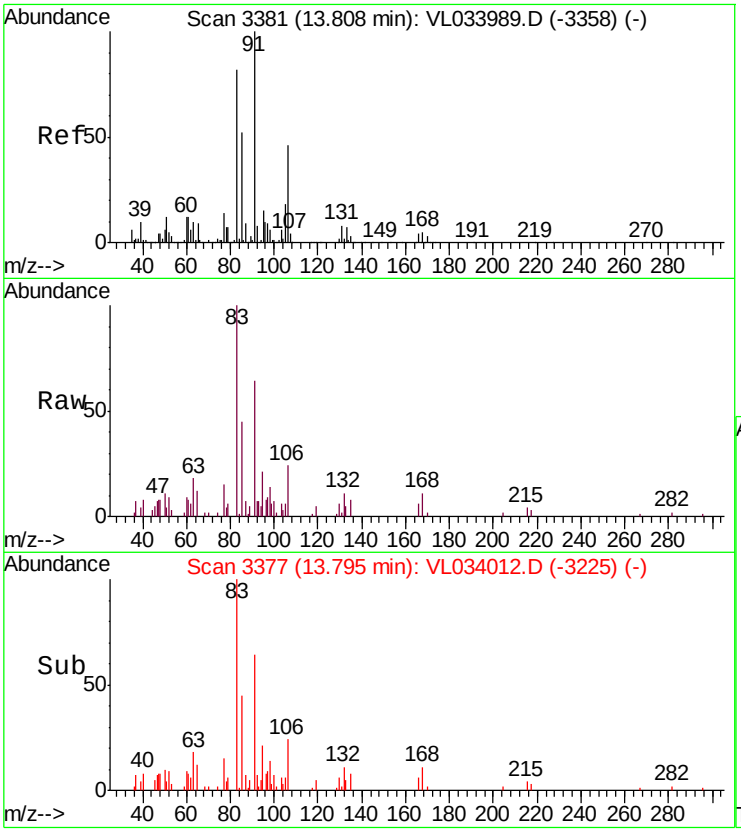


#57
Chlorobenzene
Concen: 0.109 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion:112 Resp: 22695

Ion	Ratio	Lower	Upper
112	100		
77	29.8	55.9	83.9#
114	30.8	27.6	33.8



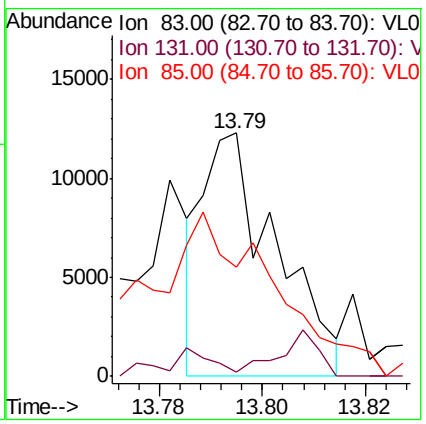


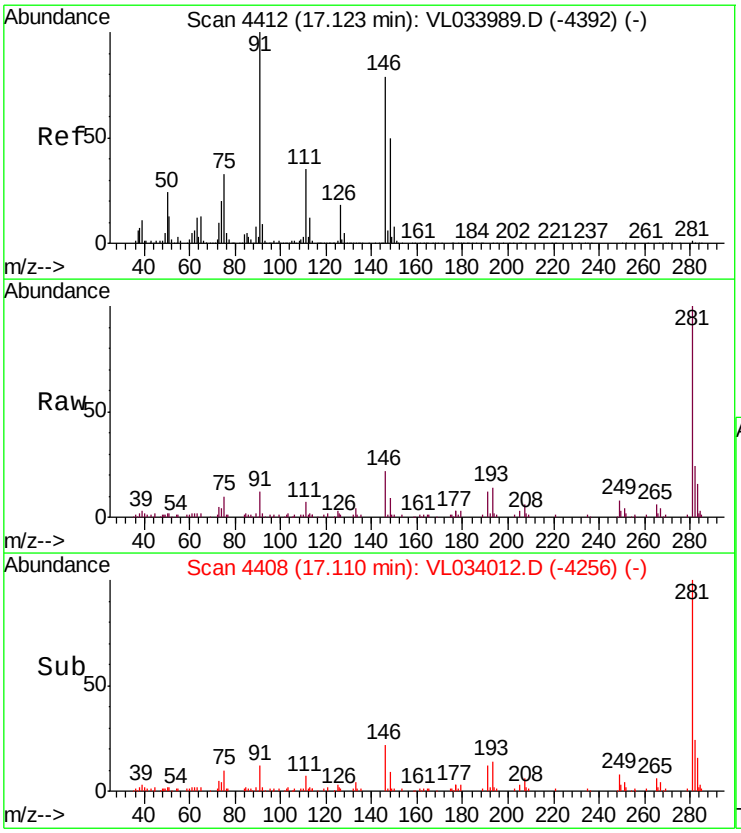
#63
1,1,2,2-Tetrachloroethane
Concen: 0.055 ppbv
RT: 13.79 min Scan# 3377
Delta R.T. -0.01 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 83 Resp: 12101

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	14.9#
85	129.6	32.8	98.3#

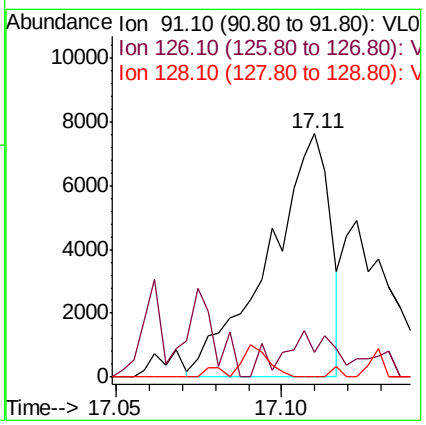


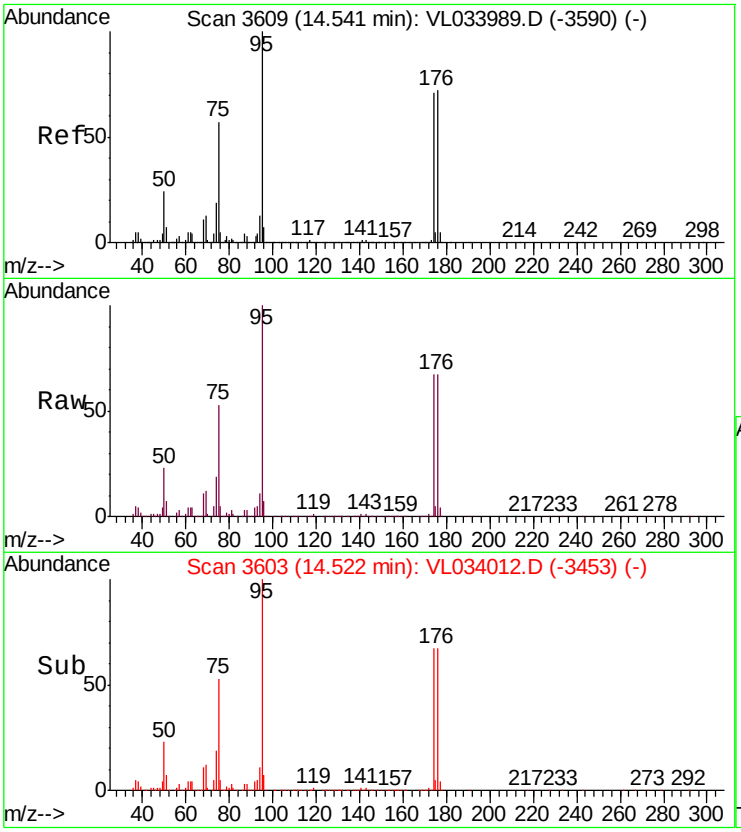


#66
Benzyl Chloride
Concen: 0.052 ppbv
RT: 17.11 min Scan# 4408
Delta R.T. -0.01 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion: 91 Resp: 9918

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.9	20.9#
128	6.5	4.6	7.0



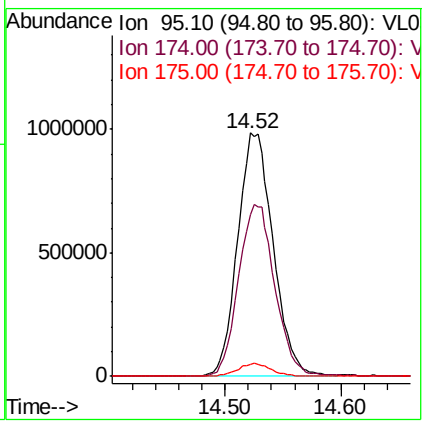


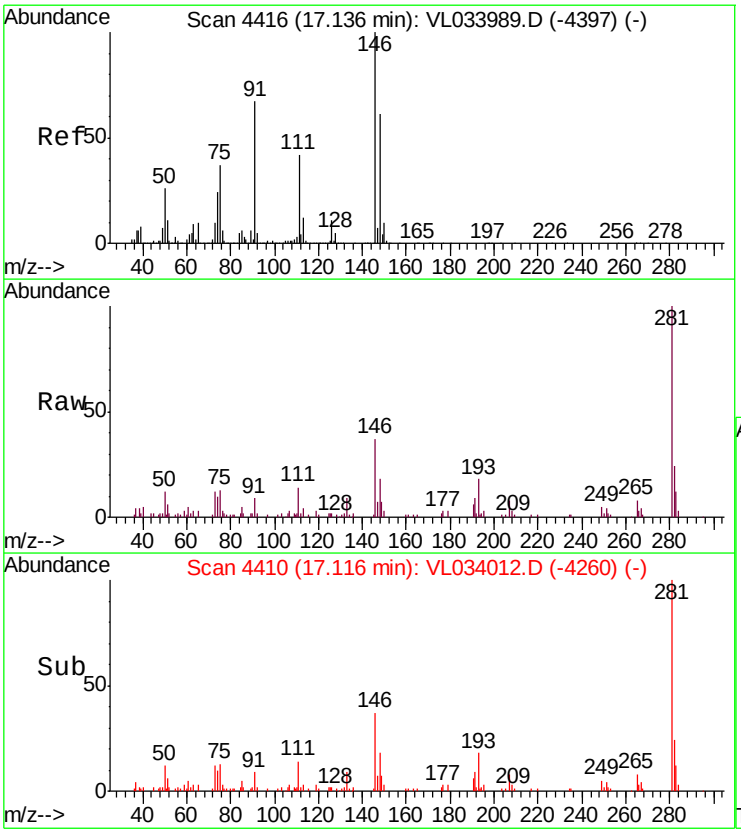
#68
1-Bromo-4-Fluorobenzene
Concen: 9.370 ppbv
RT: 14.52 min Scan# 3603
Delta R.T. -0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 95 Resp: 2094939

Ion	Ratio	Lower	Upper
95	100		
174	72.9	60.5	90.7
175	5.1	4.0	6.0

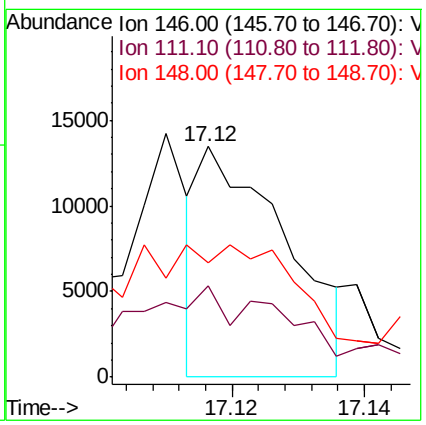


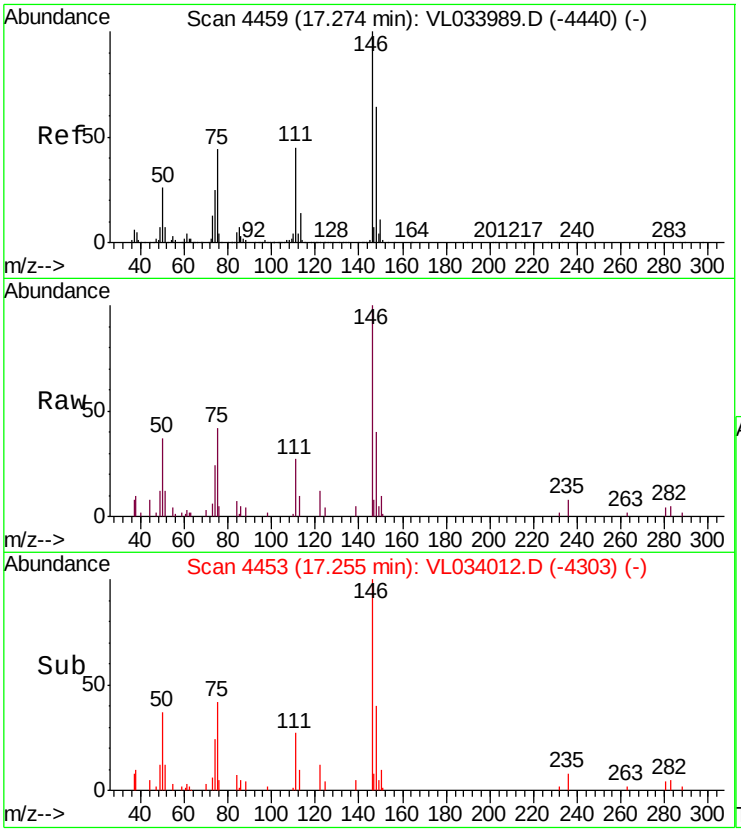


#75
1,3-Dichlorobenzene
Concen: 0.051 ppbv
RT: 17.12 min Scan# 4410
Delta R.T. -0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion:146 Resp: 12197

Ion	Ratio	Lower	Upper
146	100		
111	118.6	22.3	66.9#
148	166.1	32.0	96.2#



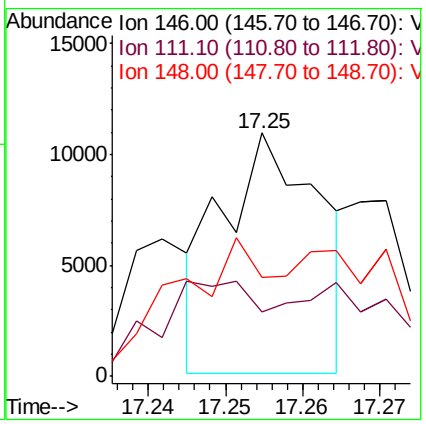


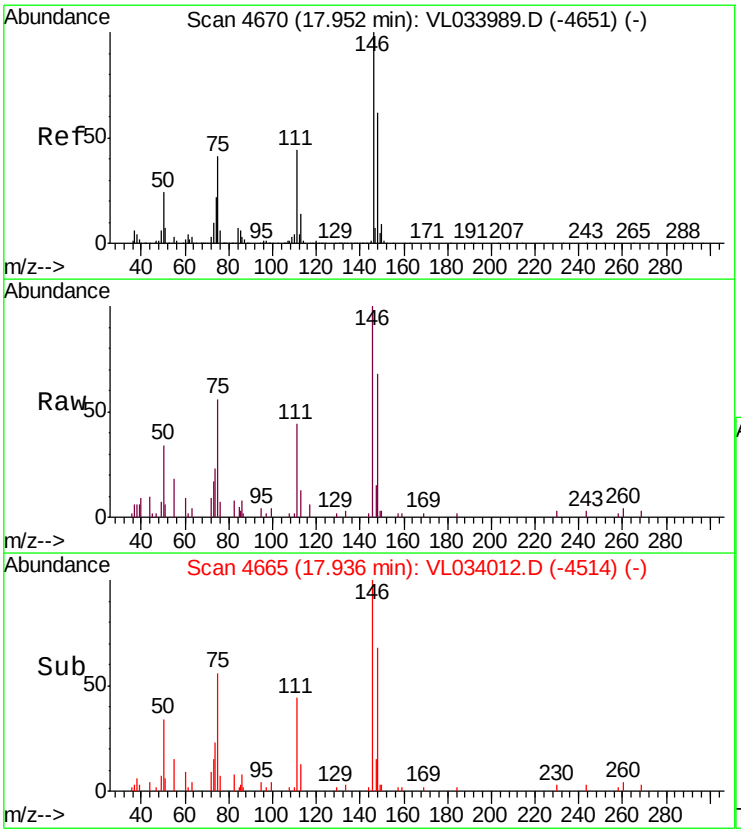
#76
1,4-Dichlorobenzene
Concen: 0.042 ppbv
RT: 17.25 min Scan# 4453
Delta R.T. -0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion:146 Resp: 9538

Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.9	65.5#
148	150.1	32.5	97.5#

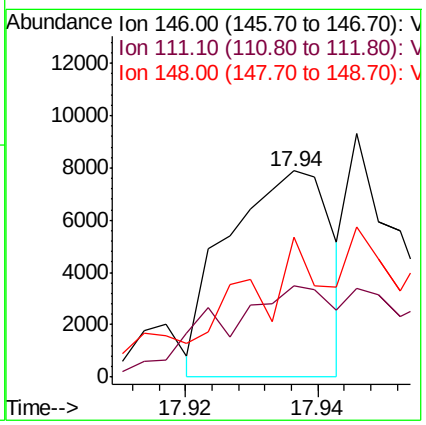


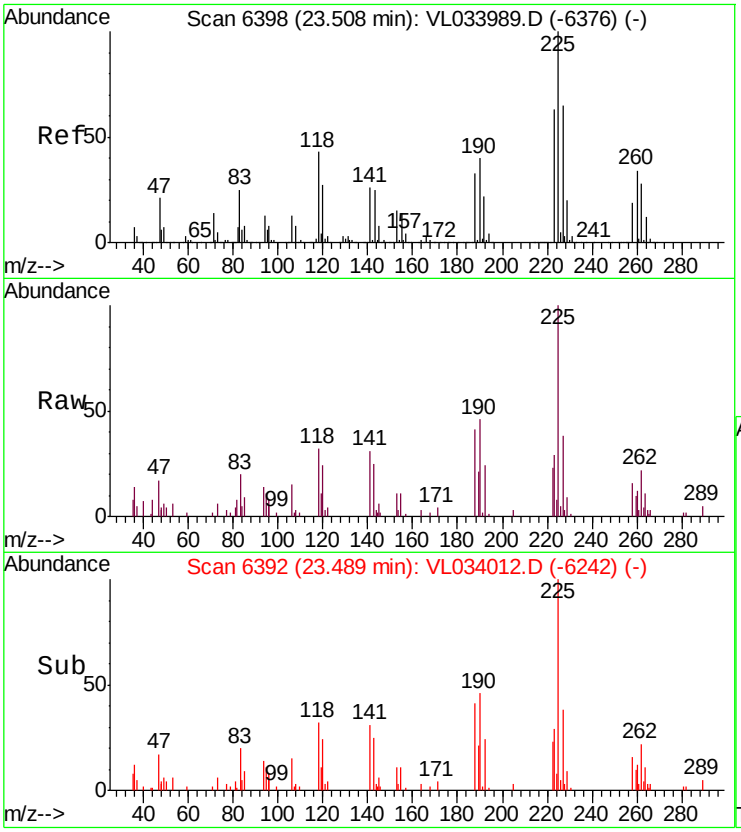


#77
1,2-Dichlorobenzene
Concen: 0.039 ppbv
RT: 17.94 min Scan# 4665
Delta R.T. -0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion:146 Resp: 8602

Ion	Ratio	Lower	Upper
146	100		
111	102.4	22.7	68.1#
148	0.0	32.1	96.3#



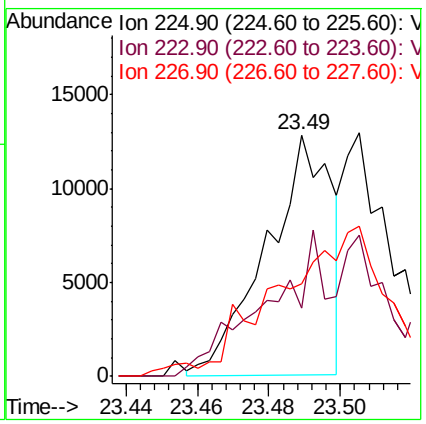


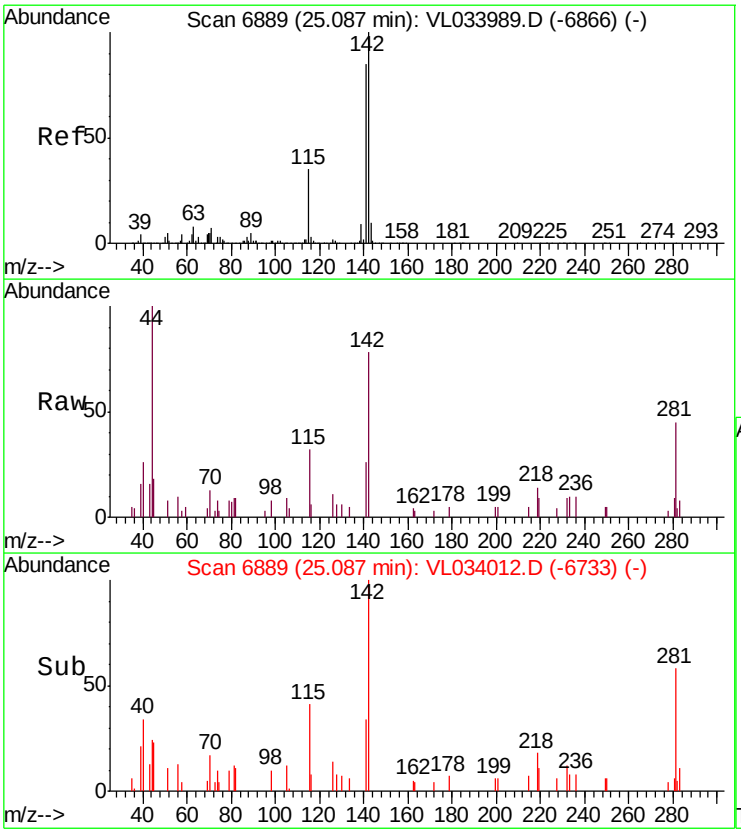
#78
Hexachloro-1,3-Butadiene
Concen: 0.085 ppbv
RT: 23.49 min Scan# 6392
Delta R.T. -0.02 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion:225 Resp: 16153

Ion	Ratio	Lower	Upper
225	100		
223	102.4	51.5	77.3#
227	0.0	52.1	78.1#





#80
Naphthalene,2-methyl-
Concen: 0.082 ppbv
RT: 25.09 min Scan# 6889
Delta R.T. 0.00 min
Lab File: VL034012.D
Acq: 8 Jul 2019 15:26

Tgt Ion:142 Resp: 9505

Ion	Ratio	Lower	Upper
142	100		
141	82.1	68.2	102.2
115	29.0	29.9	44.9#