Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052919\

Quantitation Report (Not Reviewed)

Data File : VL033852.D
Acq On : 30 May 2019 2:15
Operator : SY/AP
Sample : K3067-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BFB

Quant Time: May 30 02:55:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.75	49	741737	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	1685921	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	1704507	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1383423	10.01	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	20824	0.133	ppbv	#	84
3) Chlorodifluoromethane	3.01	51	42974	0.506	ppbv	#	87
4) Chloromethane	3.17	50	9793	0.202	ppbv	#	78
9) Propene	3.04	41	13811	0.382	ppbv		93
11) Trichlorofluoromethane	4.00	101	53597	0.359	ppbv		93
12) 1,1,2-Trichlorotrifluoroet	4.55	101	7718	0.074	ppbv	#	78
13) Ethanol	3.66	45	171246	14.661	ppbv		98
15) Acetone	3.89	43	790594	7.682	ppbv		100
16) 1,3-Butadiene	3.34	39	18557	0.453	ppbv	#	16
17) tert-Butyl alcohol	4.37	59	7482	0.090	ppbv	#	72
19) Isopropyl Alcohol	4.04	45	166912	2.515	ppbv	#	93
20) Methylene Chloride	4.40	84	72623	1.833	ppbv		93
23) Vinyl Acetate	5.14	43	24811	0.183	ppbv	#	89
25) Ethyl Acetate	5.77	43	107615	0.595	ppbv	#	84
26) Hexane	5.78	57	121478	1.563	ppbv	#	43
27) Carbon Disulfide	4.62	76	34199	0.321	ppbv	#	85
29) Chloroform	5.84	83	166078	1.160	ppbv		98
32) 1,1,1-Trichloroethane	6.61	97	28559	0.200	ppbv		99
34) 2-Butanone	5.33	43	153275	1.467	ppbv		97
35) Carbon Tetrachloride	7.13	117	7187	0.053	ppbv	#	87
36) Benzene	7.00	78	24676	0.161	ppbv		93
38) Trichloroethene	7.95	130	41192	0.724	ppbv		97
39) 1,2-Dichloropropane	7.29	63	447554	7.828	ppbv	#	23
44) 2,2,4-Trimethylpentane	7.99	57	26301	0.101	ppbv	#	65
52) Tetrachloroethene	11.37	164	520046	9.647	ppbv		98
53) Toluene	9.94	91	453191	2.740	ppbv		98
60) o-Xylene	13.84	91	10394	0.052	ppbv		83
74) 1,2,4-Trimethylbenzene	16.92	105	18729	0.078	ppbv	#	77

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

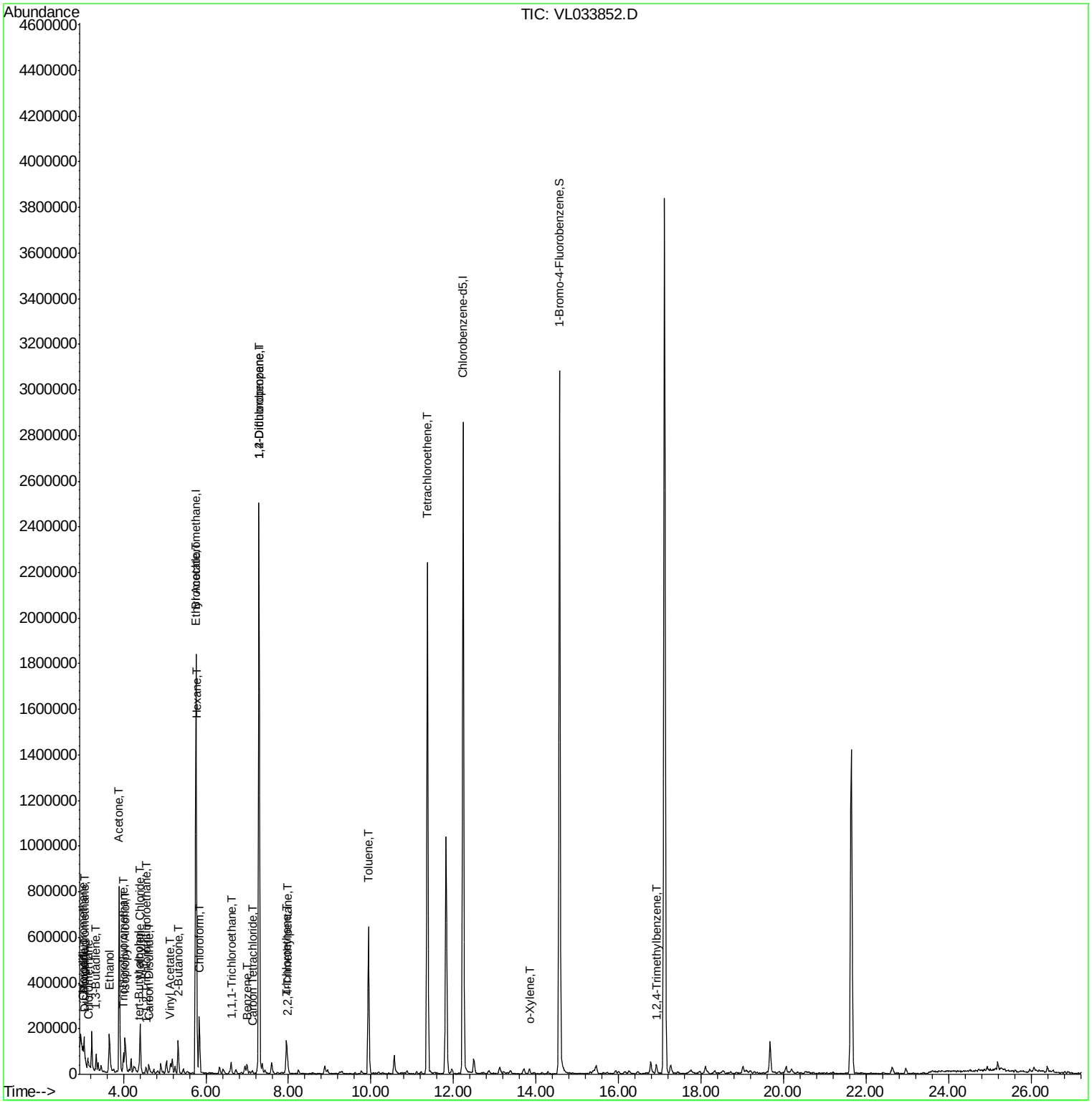
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052919\

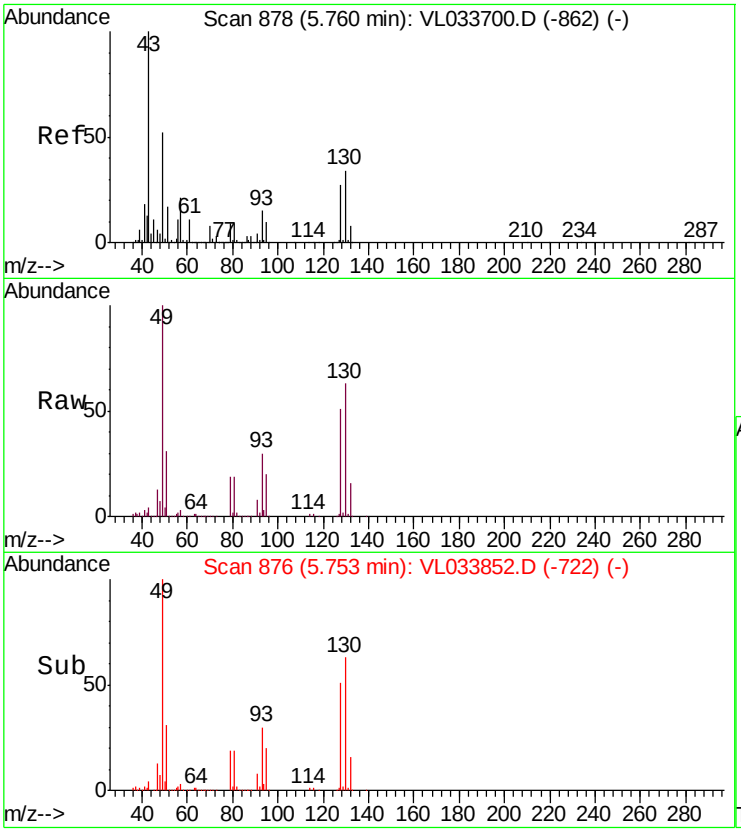
Quantitation Report (Not Reviewed)

Data File : VL033852.D
Acq On : 30 May 2019 2:15
Operator : SY/AP
Sample : K3067-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BFB

Quant Time: May 30 02:55:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



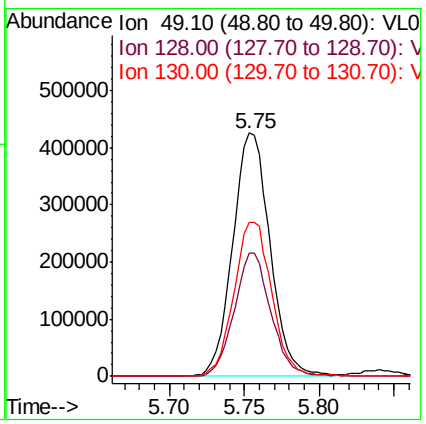


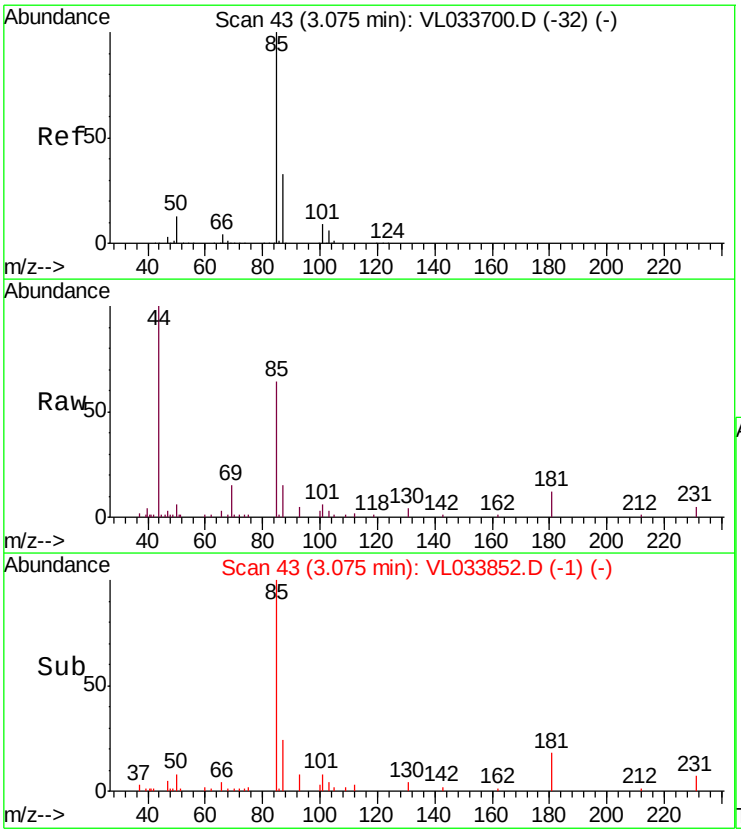
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.01 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 49 Resp: 741737

Ion	Ratio	Lower	Upper
49	100		
128	49.5	25.2	75.6
130	64.5	32.5	97.5

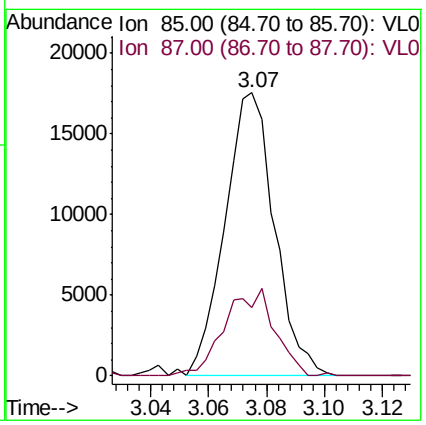


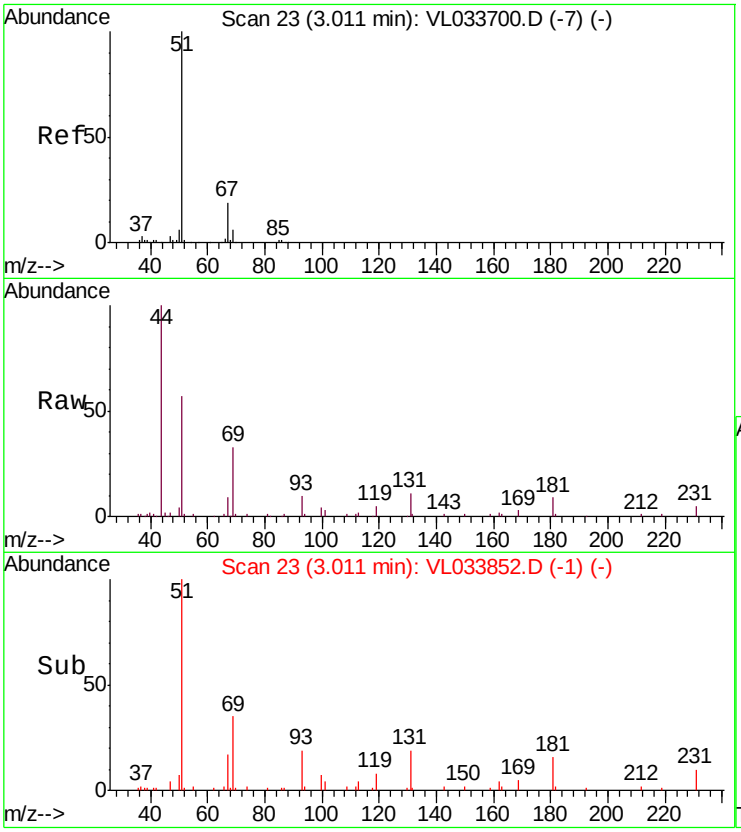


#2
Dichlorodifluoromethane
Concen: 0.133 ppbv
RT: 3.07 min Scan# 43
Delta R.T. 0.00 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Tgt Ion: 85 Resp: 20824

Ion	Ratio	Lower	Upper
85	100		
87	24.0	26.3	39.5#



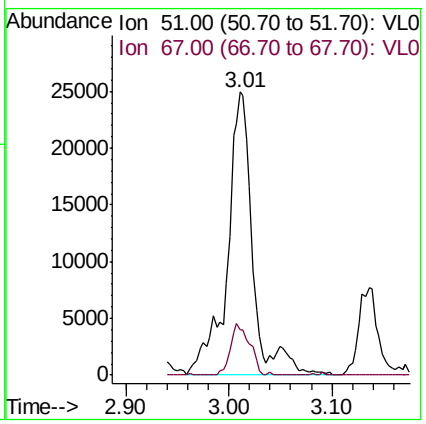


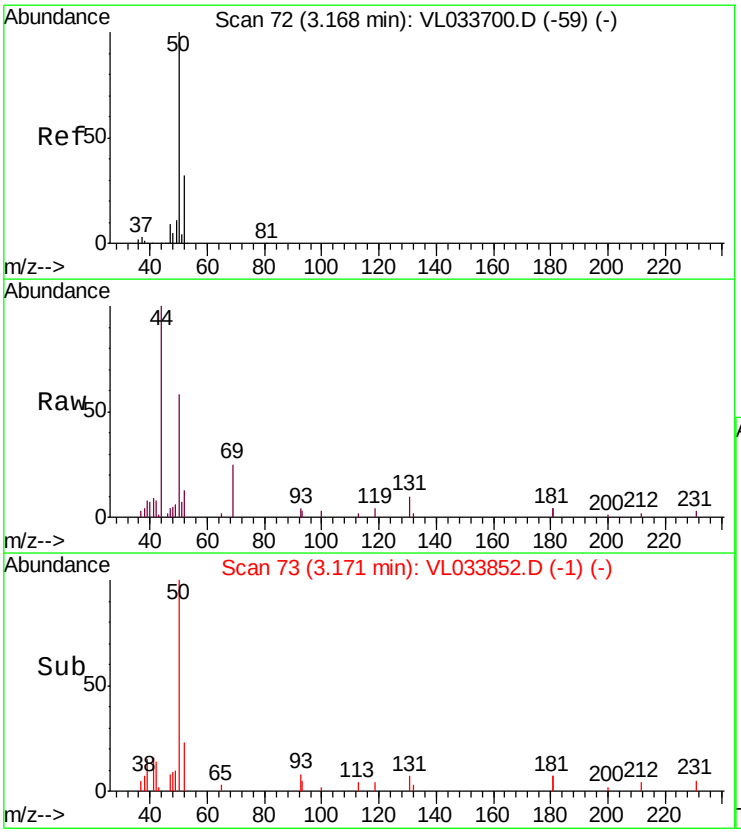
#3
Chlorodifluoromethane
Concen: 0.506 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 51 Resp: 42974

Ion	Ratio	Lower	Upper
51	100		
67	13.7	15.6	23.4#

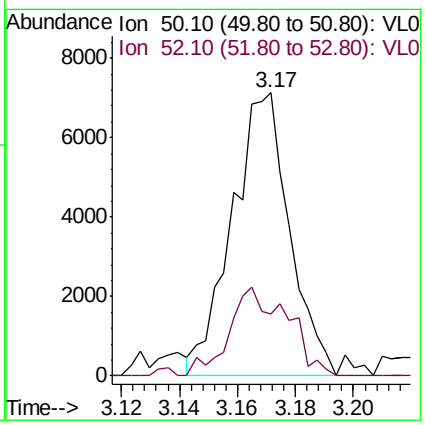


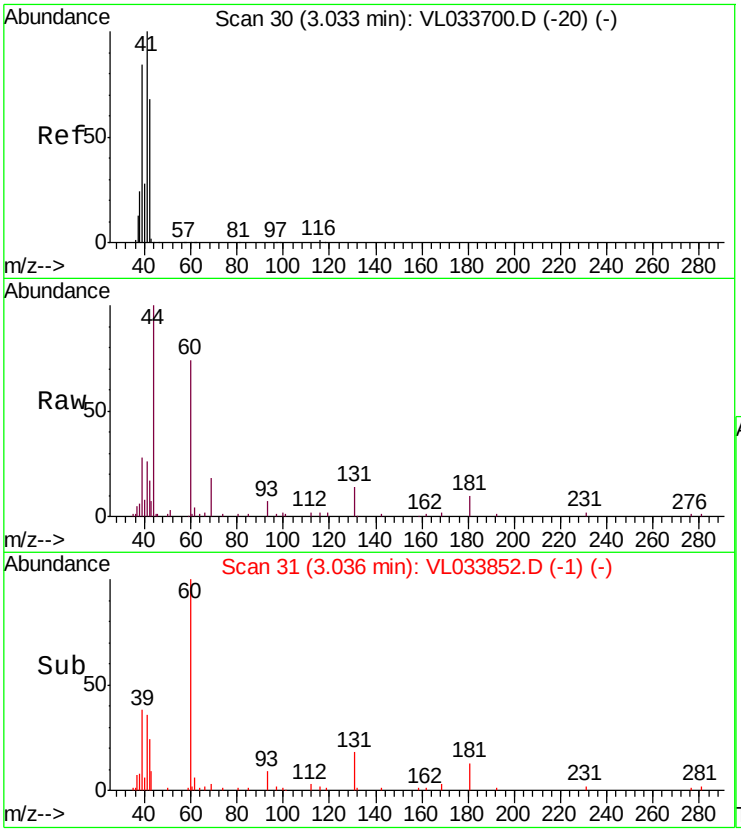


#4
Chloromethane
Concen: 0.202 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Tgt Ion: 50 Resp: 9793

Ion	Ratio	Lower	Upper
50	100		
52	19.6	25.7	38.5#

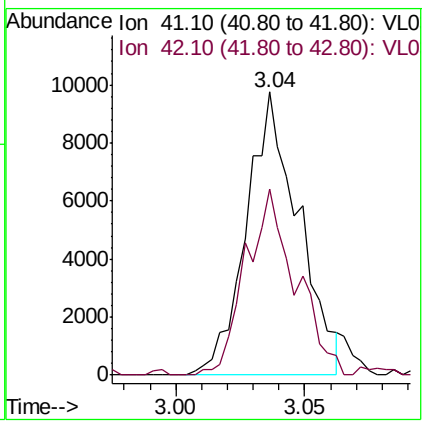




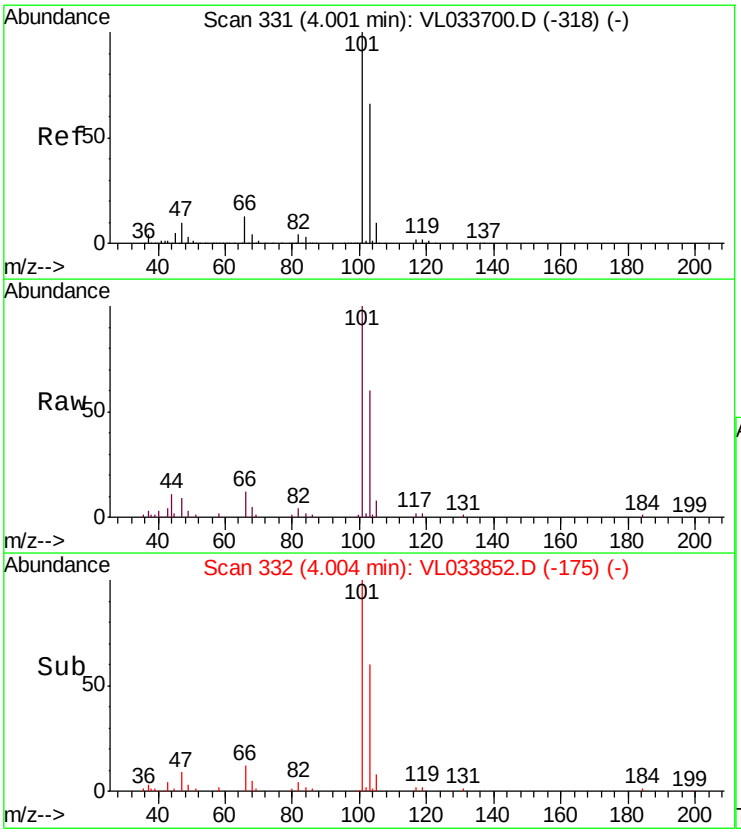
#9
Propene
Concen: 0.382 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Tgt Ion: 41 Resp: 13811

Ion	Ratio	Lower	Upper
41	100		
42	64.5	56.1	84.1



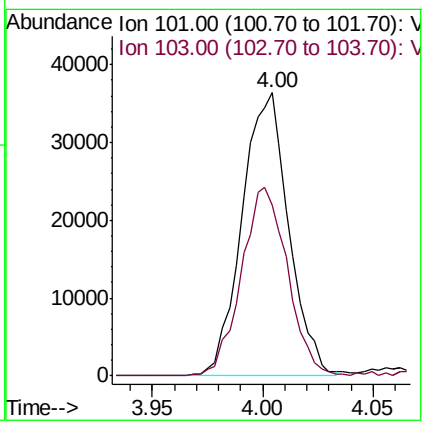
Instrument :
MSVOA_L
ClientSampleId :
BFB

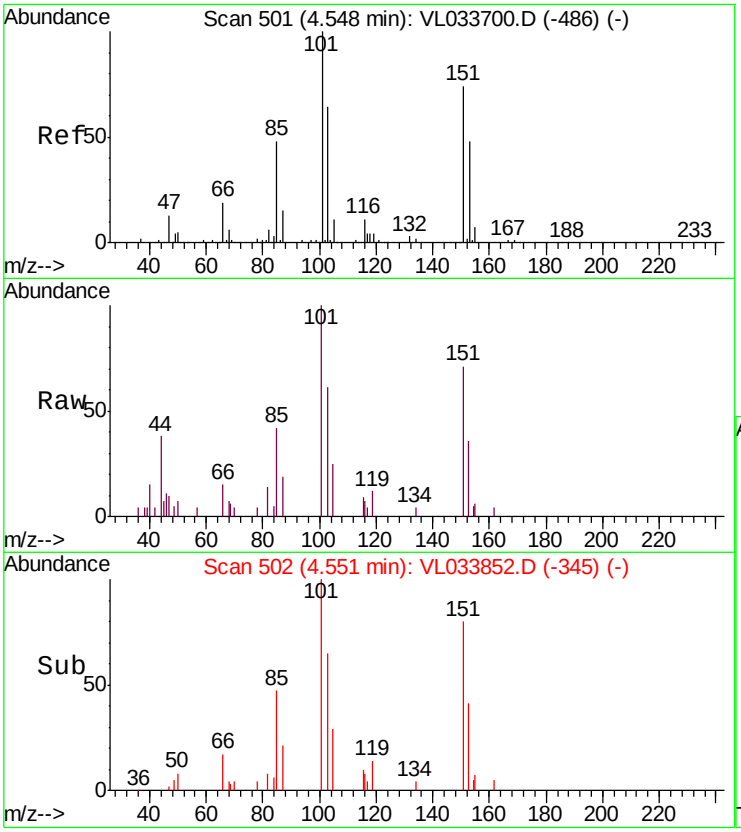


#11
Trichlorofluoromethane
Concen: 0.359 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Tgt Ion:101 Resp: 53597

Ion	Ratio	Lower	Upper
101	100		
103	60.3	52.6	78.8



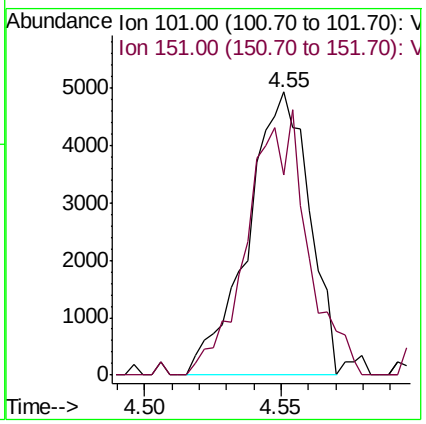


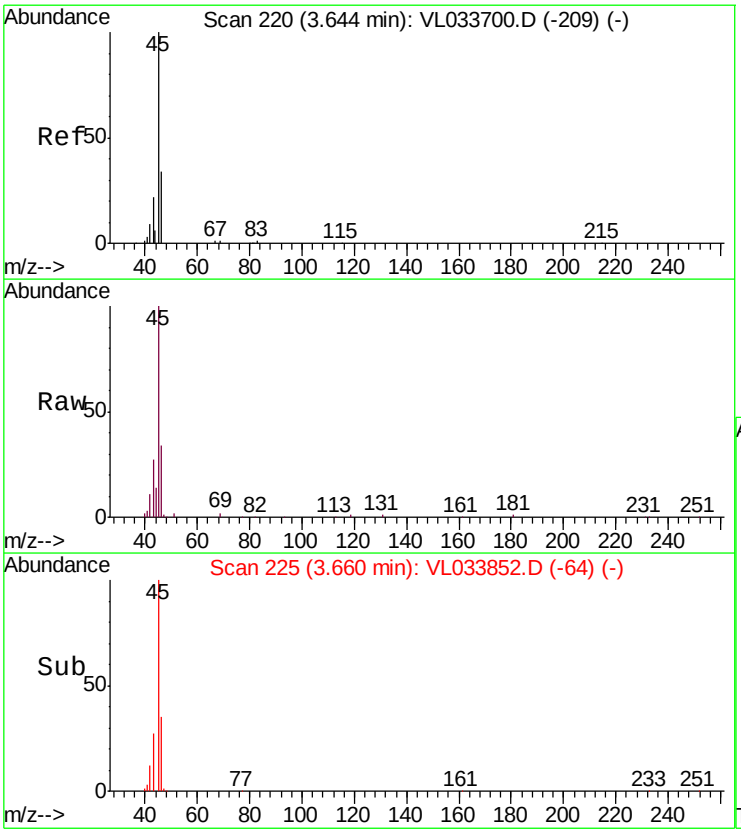
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.074 ppbv
RT: 4.55 min Scan# 502
Delta R.T. 0.00 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:101 Resp: 7718

Ion	Ratio	Lower	Upper
101	100		
151	90.9	58.2	87.4#

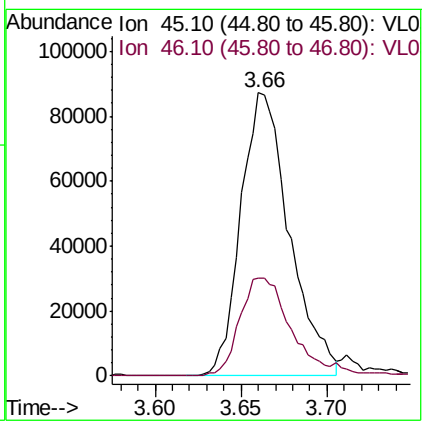


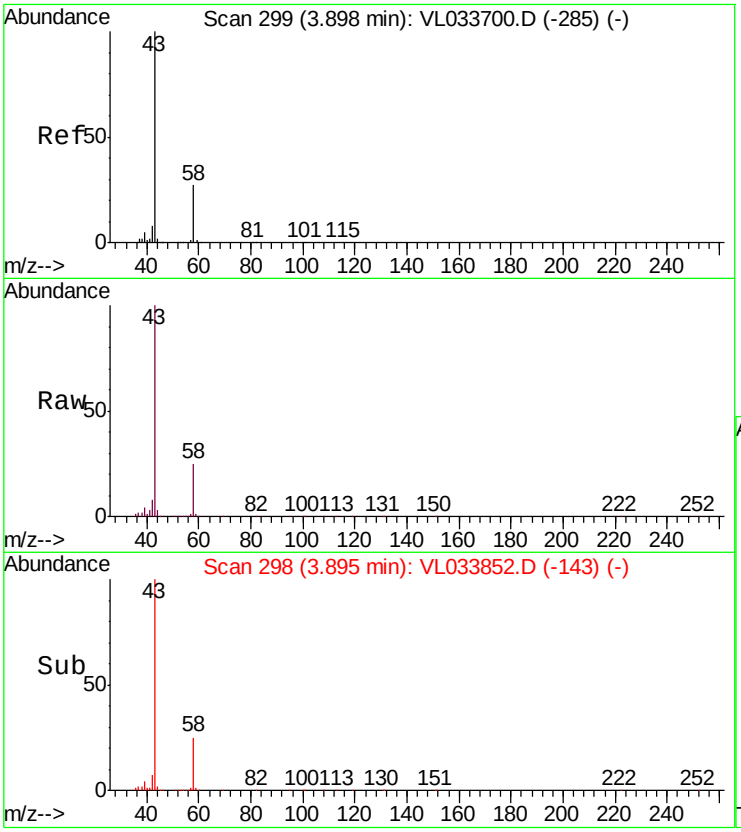


#13
Ethanol
Concen: 14.661 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.02 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Tgt Ion: 45 Resp: 171246

Ion	Ratio	Lower	Upper
45	100		
46	37.8	14.8	59.0



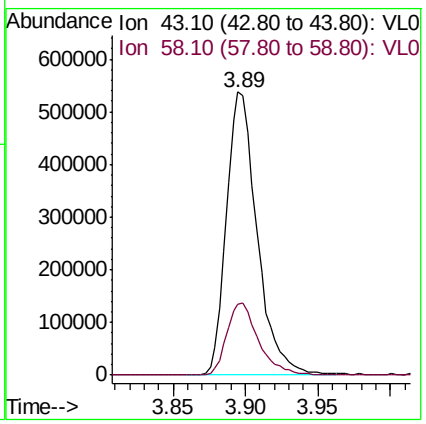


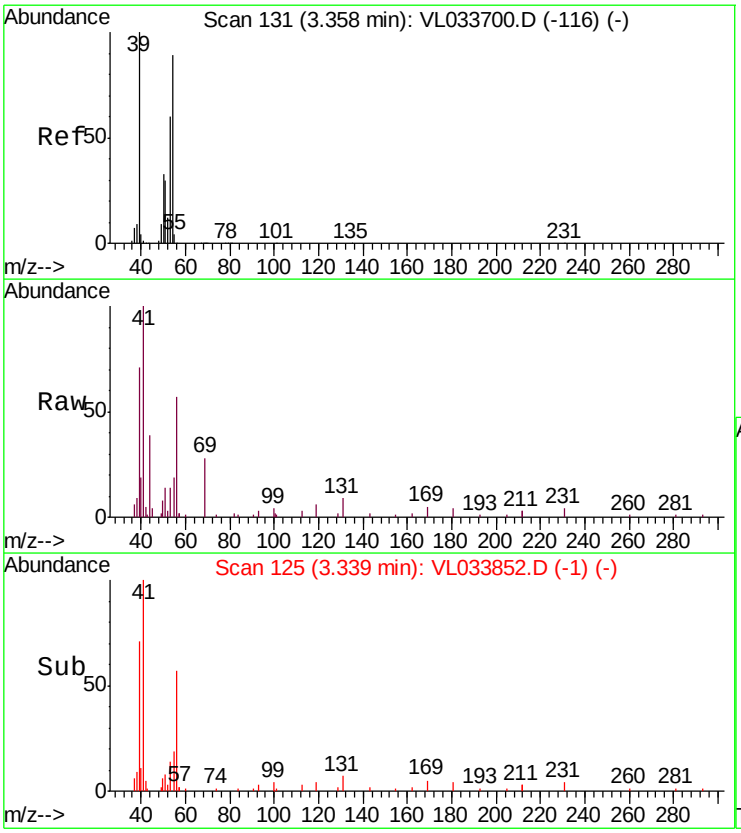
#15
Acetone
Concen: 7.682 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 43 Resp: 790594

Ion	Ratio	Lower	Upper
43	100		
58	26.4	21.3	31.9

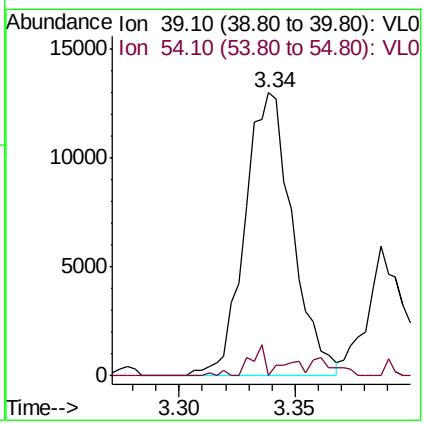


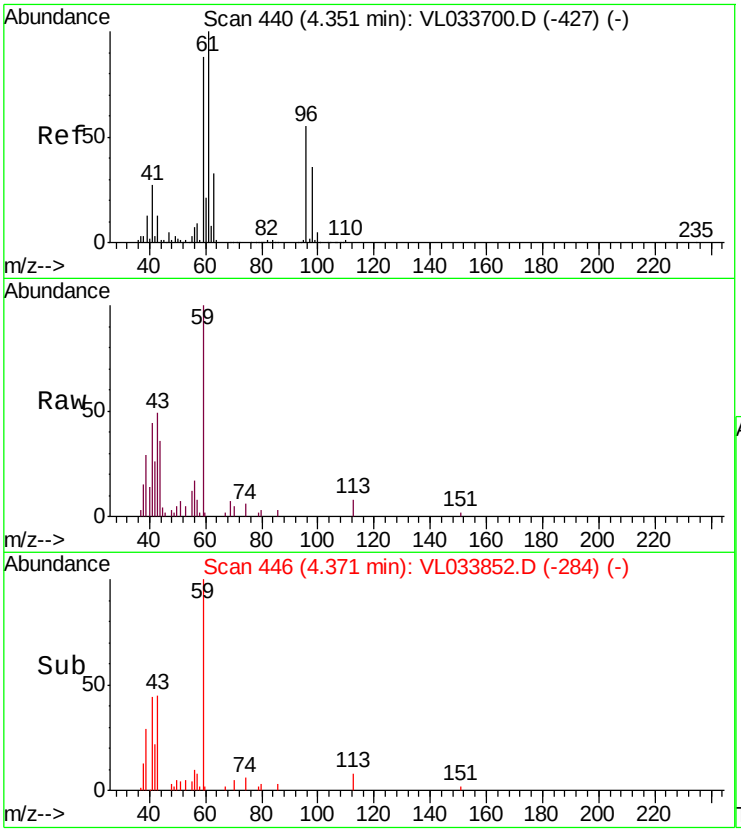


#16
1,3-Butadiene
Concen: 0.453 ppbv
RT: 3.34 min Scan# 125
Delta R.T. -0.02 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Tgt Ion: 39 Resp: 18557

Ion	Ratio	Lower	Upper
39	100		
54	8.9	69.0	103.6#



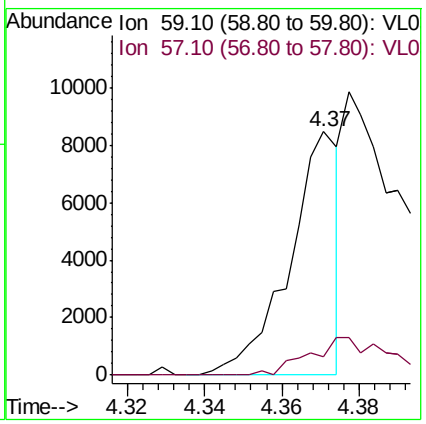


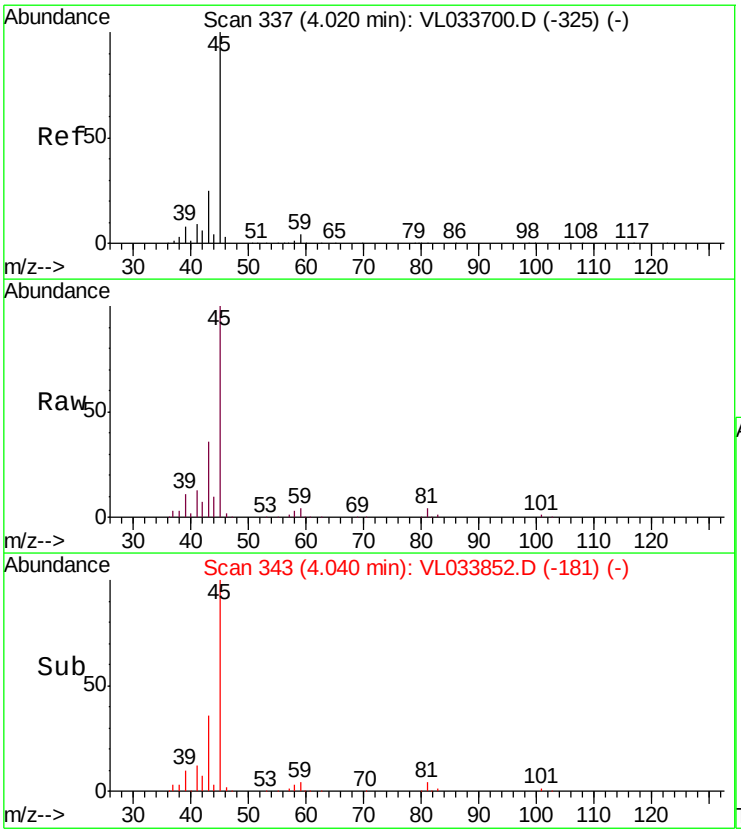
#17
tert-Butyl alcohol
Concen: 0.090 ppbv
RT: 4.37 min Scan# 446
Delta R.T. 0.02 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 59 Resp: 7482

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

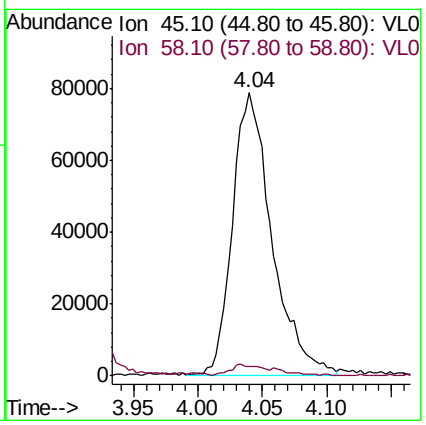


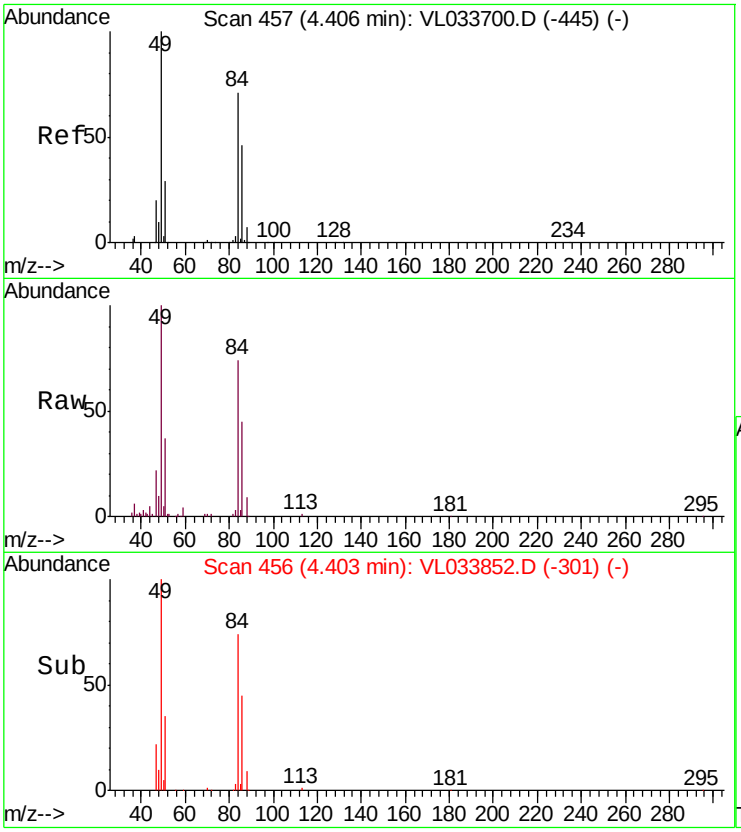


#19
Isopropyl Alcohol
Concen: 2.515 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.02 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Tgt Ion: 45 Resp: 166912

Ion	Ratio	Lower	Upper
45	100		
58	4.6	1.6	2.4#



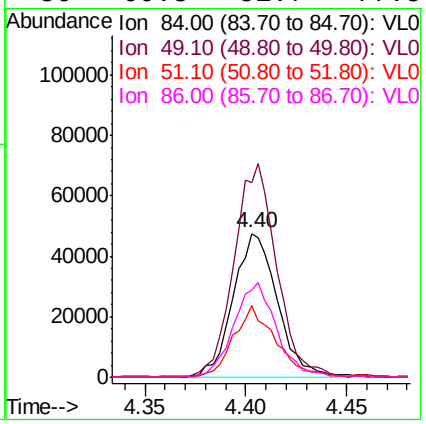


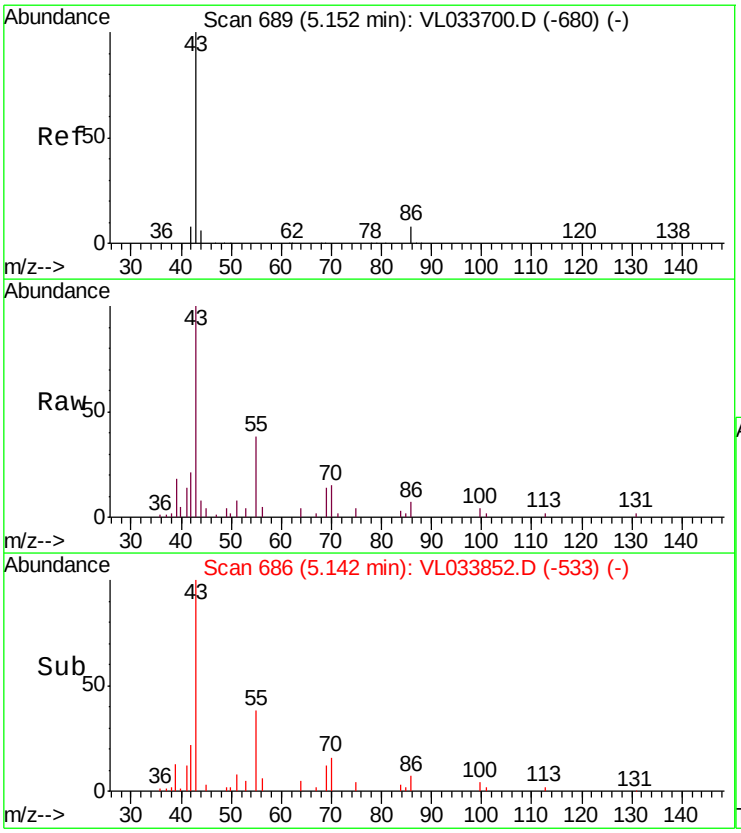
#20
Methylene Chloride
Concen: 1.833 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 84 Resp: 72623

Ion	Ratio	Lower	Upper
84	100		
49	134.7	112.8	169.2
51	49.8	33.4	50.0
86	60.3	51.7	77.5

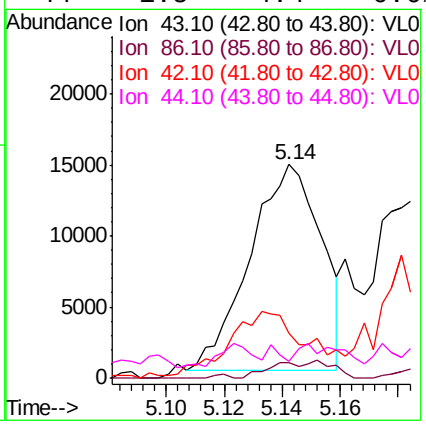


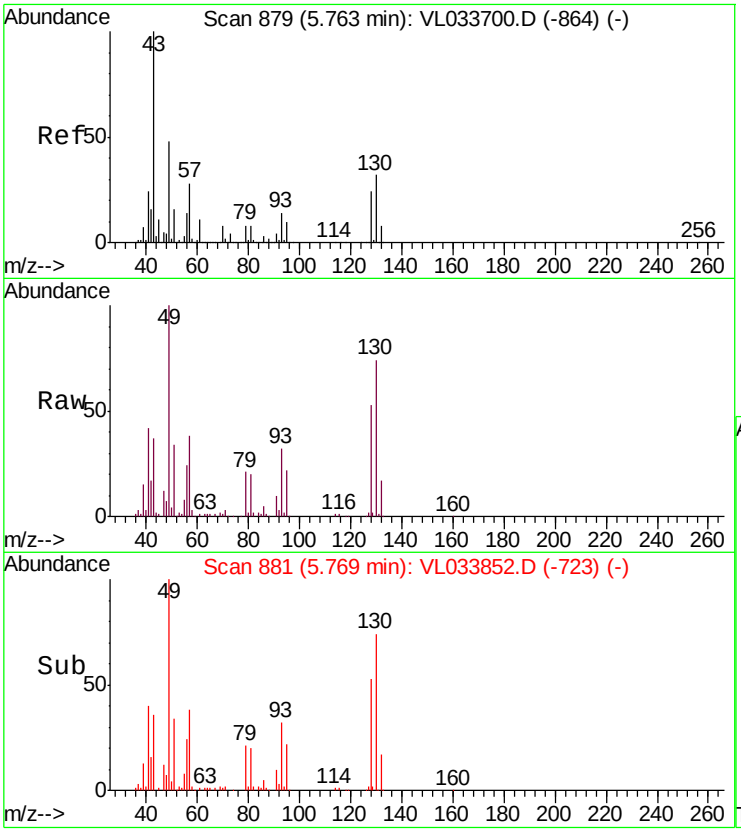


#23
Vinyl Acetate
Concen: 0.183 ppbv
RT: 5.14 min Scan# 686
Delta R.T. -0.01 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Tgt Ion: 43 Resp: 24811

Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.0	9.0
42	15.7	7.5	11.3#
44	1.5	4.4	6.6#



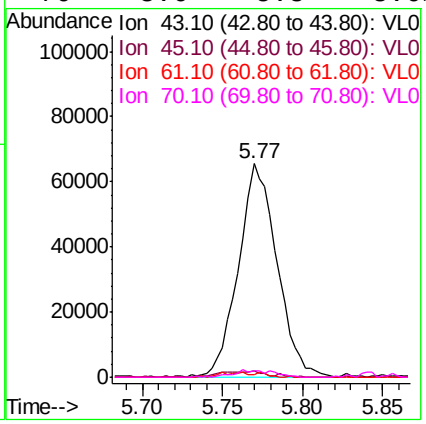


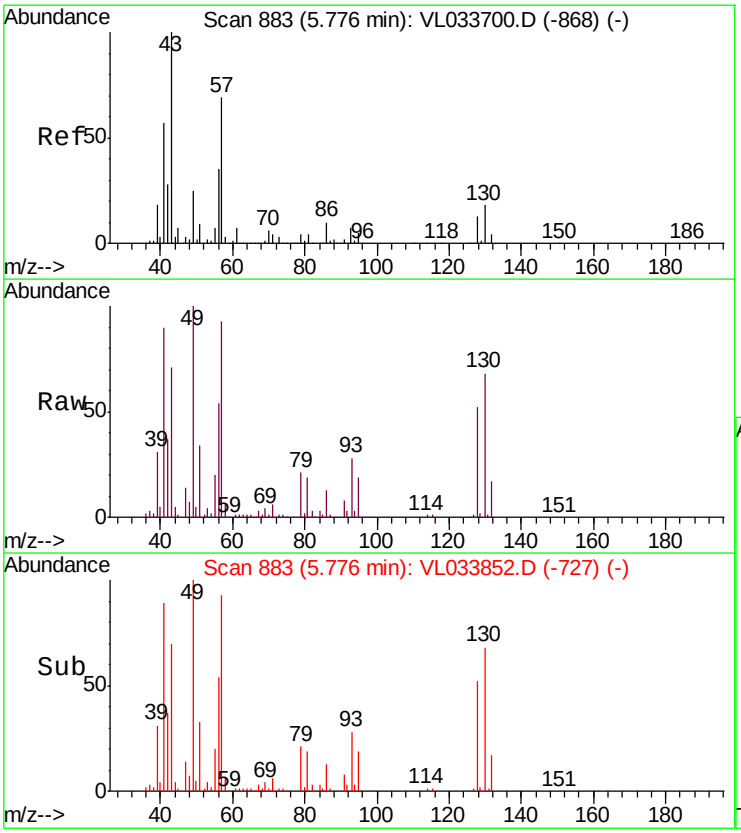
#25
Ethyl Acetate
Concen: 0.595 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.01 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 43 Resp: 107615

Ion	Ratio	Lower	Upper
43	100		
45	3.8	7.9	11.9#
61	2.5	7.7	11.5#
70	3.6	5.8	8.6#

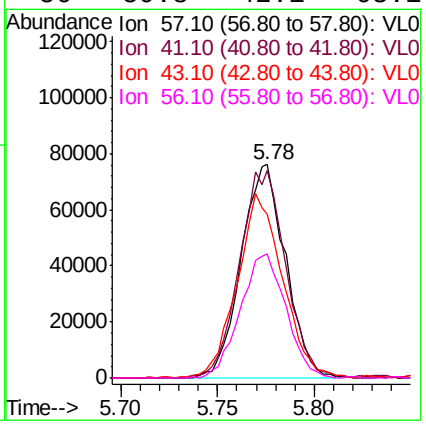


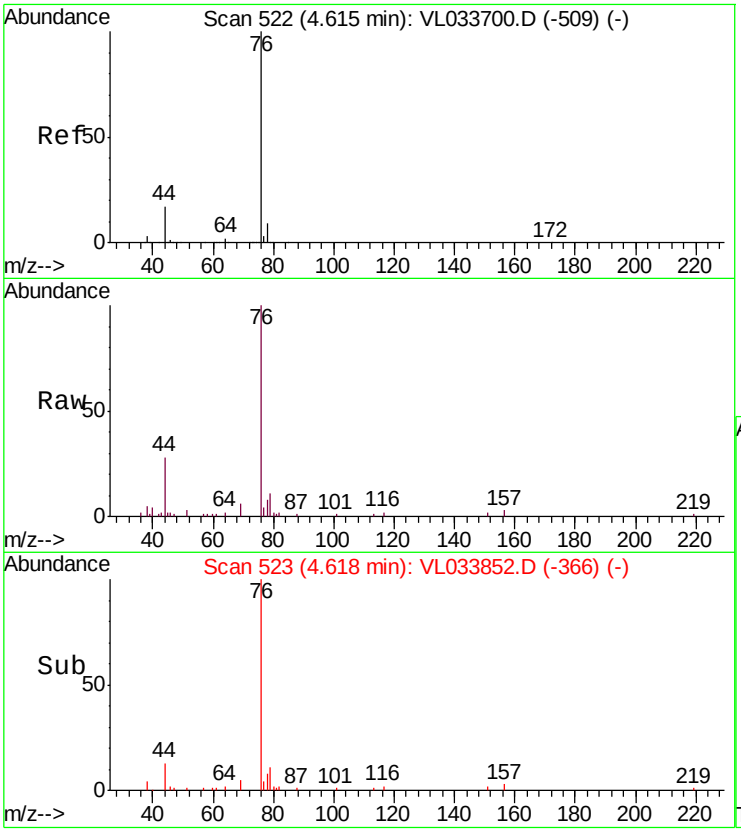


#26
Hexane
Concen: 1.563 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Tgt Ion: 57 Resp: 121478

Ion	Ratio	Lower	Upper
57	100		
41	101.7	69.8	104.6
43	89.3	181.8	272.6#
56	59.8	42.1	63.1



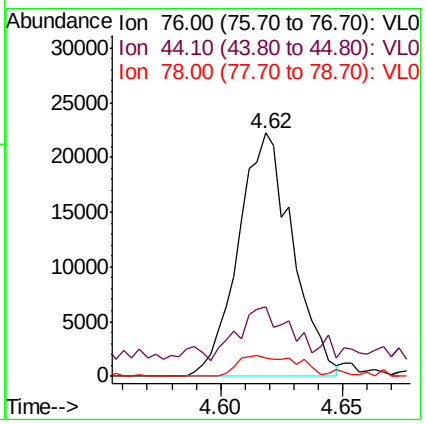


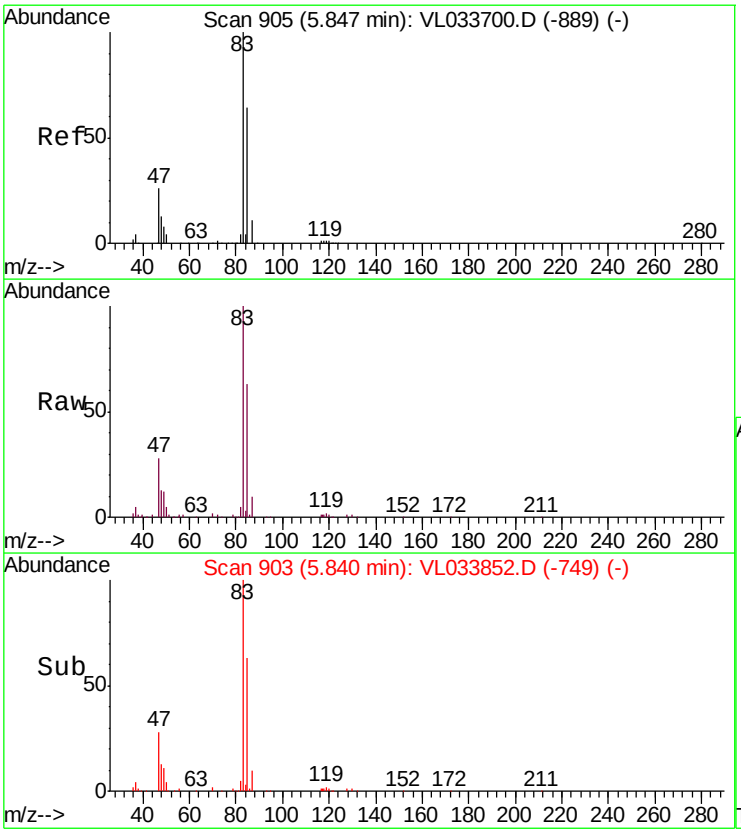
#27
Carbon Disulfide
Concen: 0.321 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 76 Resp: 34199

Ion	Ratio	Lower	Upper
76	100		
44	26.2	13.8	20.8#
78	11.0	7.4	11.0

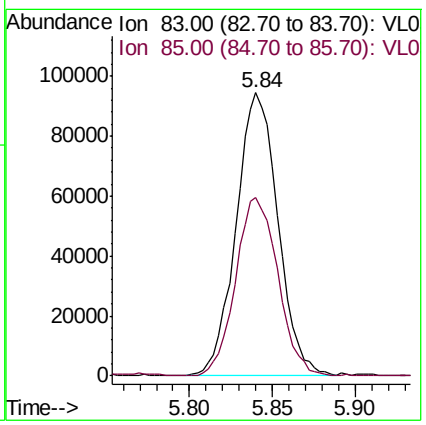


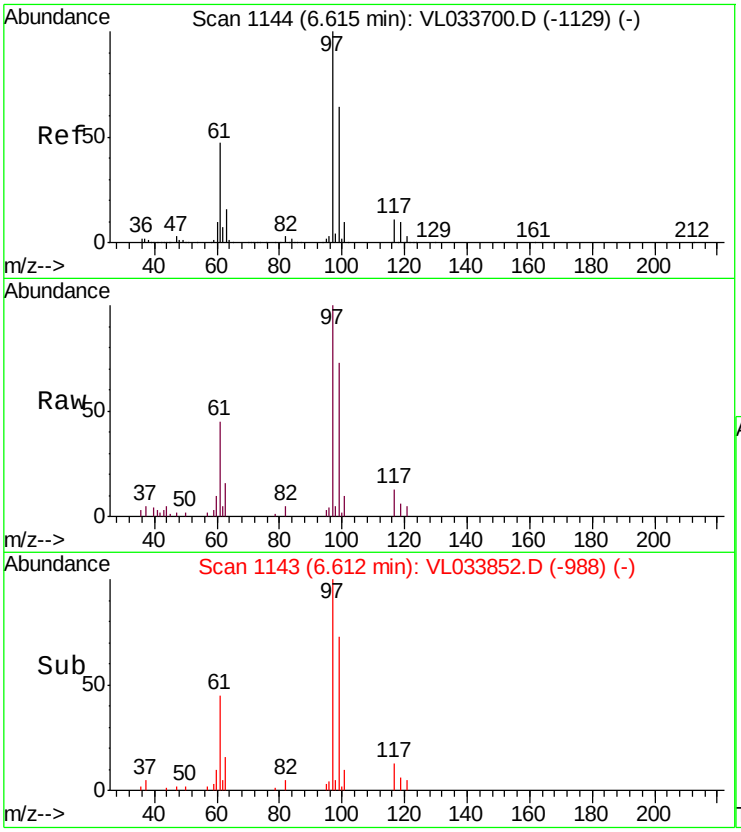


#29
Chloroform
Concen: 1.160 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Tgt Ion: 83 Resp: 166078

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.5	77.3



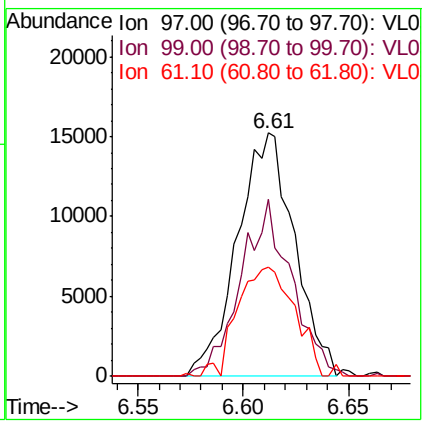


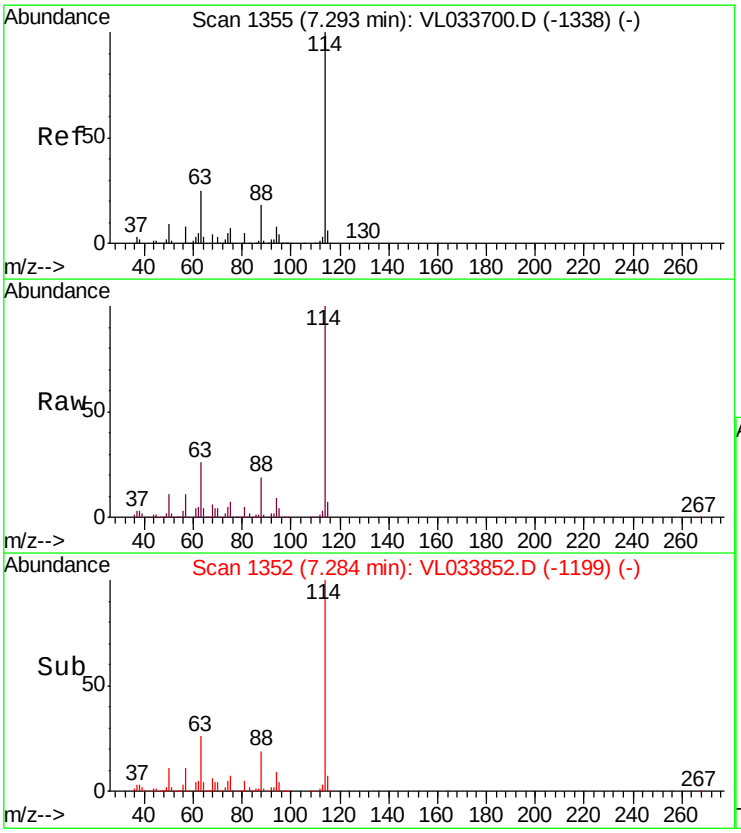
#32
1,1,1-Trichloroethane
Concen: 0.200 ppbv
RT: 6.61 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 97 Resp: 28559

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.5	77.3
61	45.7	37.8	56.8

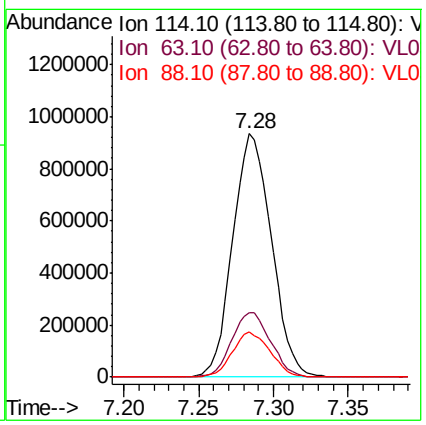


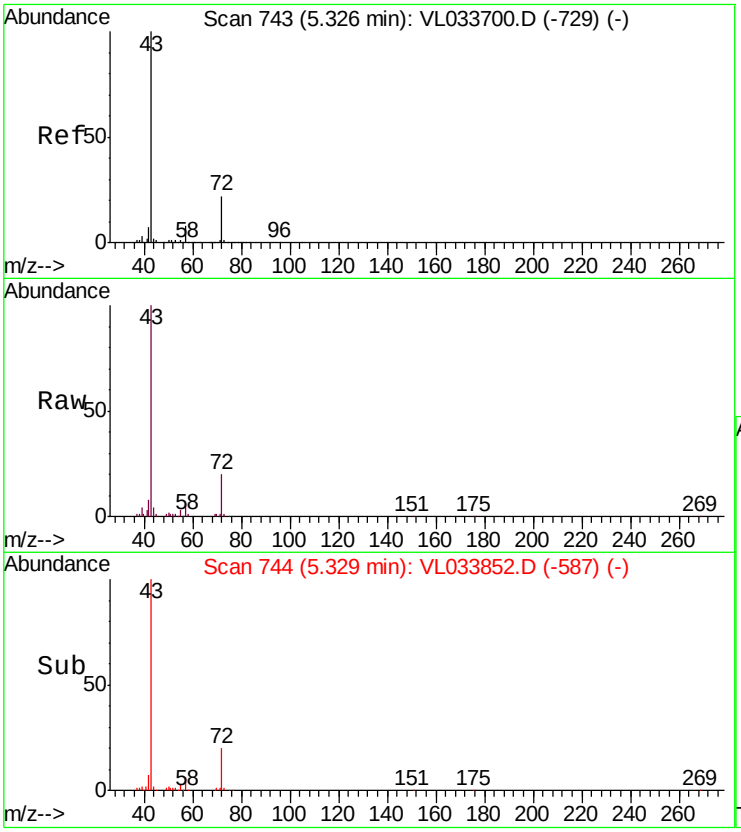


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Tgt Ion:114 Resp: 1685921

Ion	Ratio	Lower	Upper
114	100		
63	26.6	20.9	31.3
88	18.2	14.3	21.5



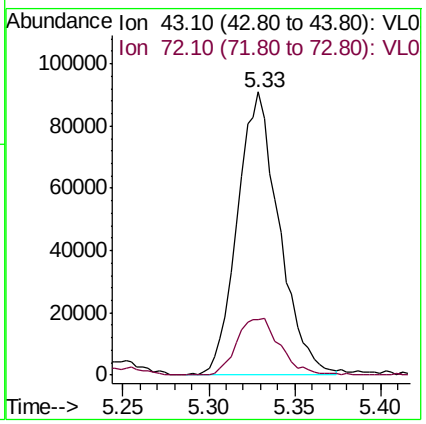


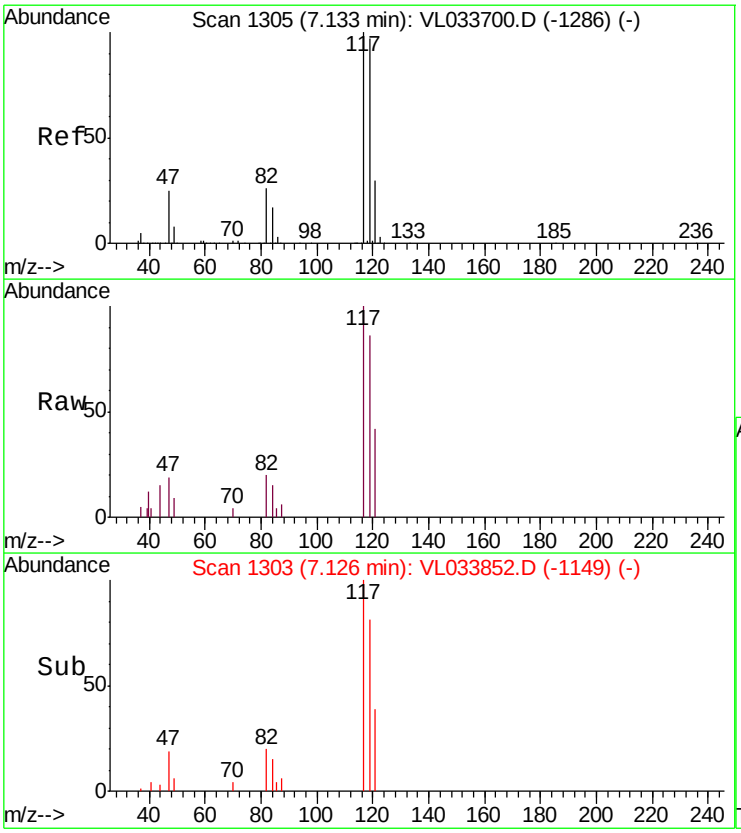
#34
2-Butanone
Concen: 1.467 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 43 Resp: 153275

Ion	Ratio	Lower	Upper
43	100		
72	20.9	17.8	26.6

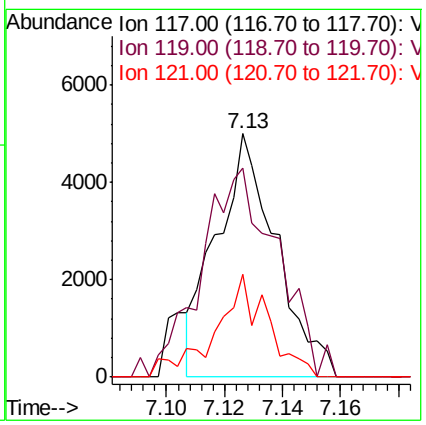


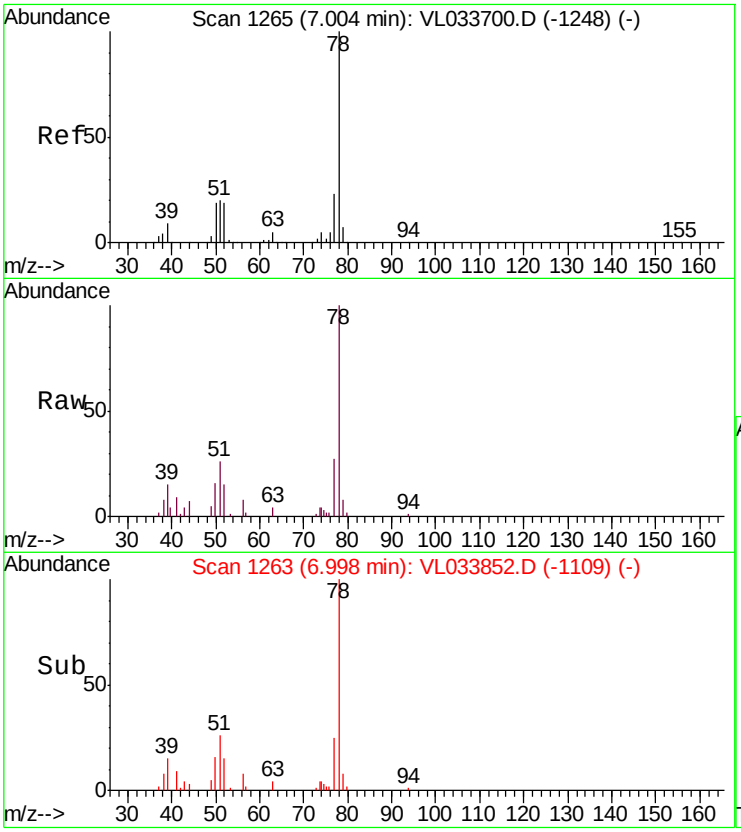


#35
Carbon Tetrachloride
Concen: 0.053 ppbv
RT: 7.13 min Scan# 1303
Delta R.T. -0.01 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Tgt Ion:117 Resp: 7187

Ion	Ratio	Lower	Upper
117	100		
119	86.1	77.2	115.8
121	42.0	24.1	36.1#



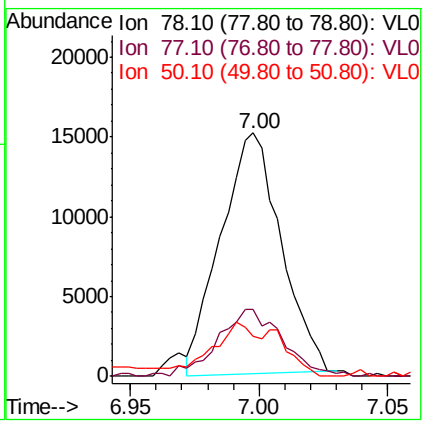


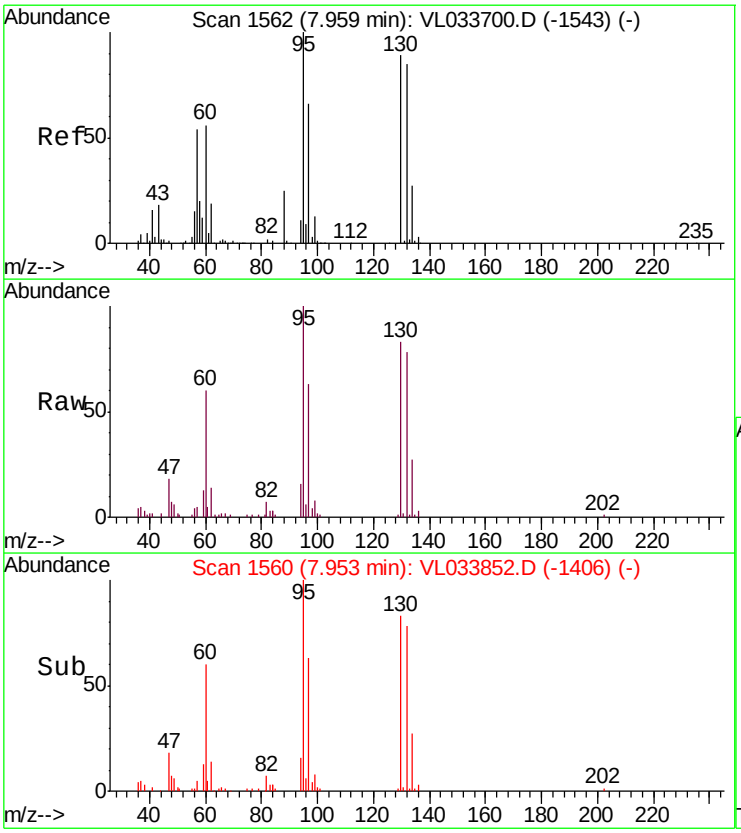
#36
Benzene
Concen: 0.161 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 78 Resp: 24676

Ion	Ratio	Lower	Upper
78	100		
77	26.5	18.4	27.6
50	16.7	15.5	23.3

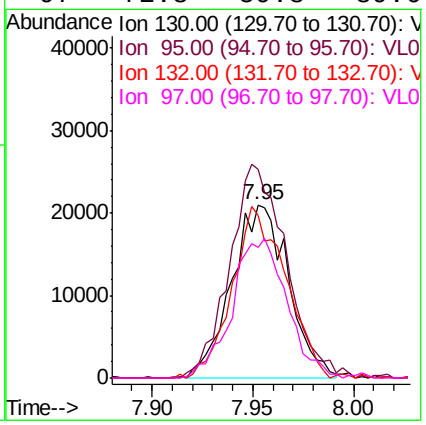


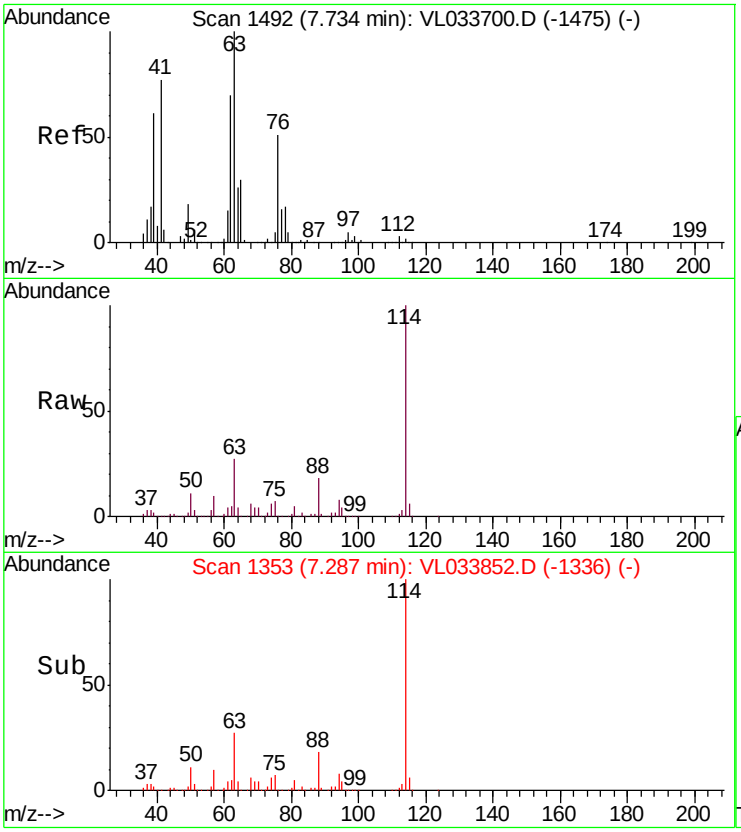


#38
Trichloroethene
Concen: 0.724 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Tgt Ion:130 Resp: 41192

Ion	Ratio	Lower	Upper
130	100		
95	115.0	90.2	135.4
132	91.6	76.4	114.6
97	72.8	59.8	89.6



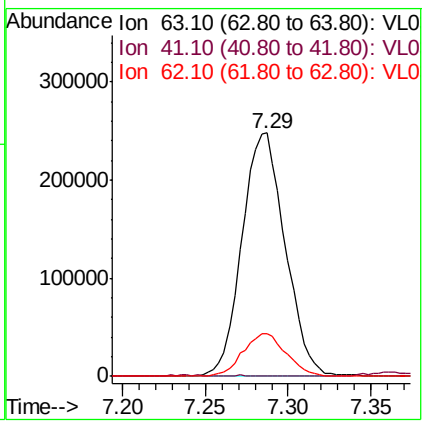


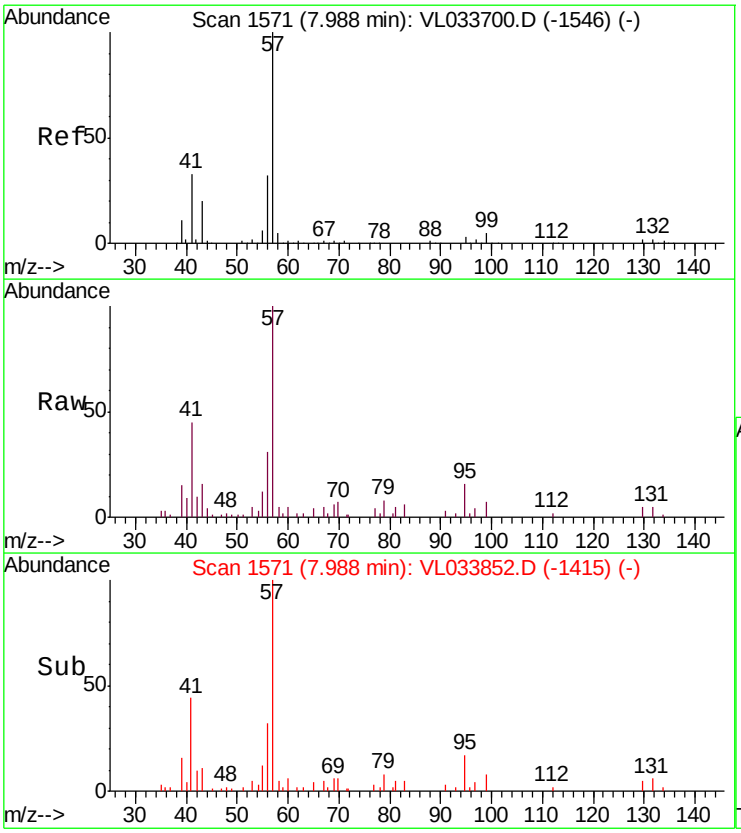
#39
1,2-Dichloropropane
Concen: 7.828 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.45 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 63 Resp: 447554

Ion	Ratio	Lower	Upper
63	100		
41	0.1	61.5	92.3#
62	17.2	56.2	84.4#

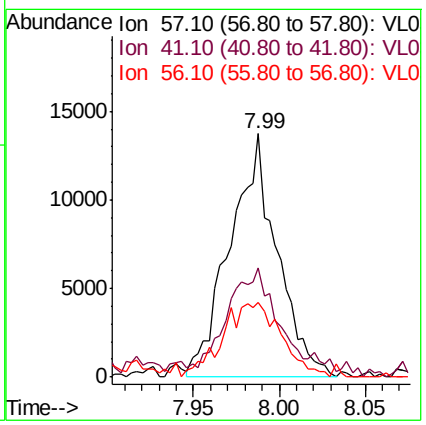


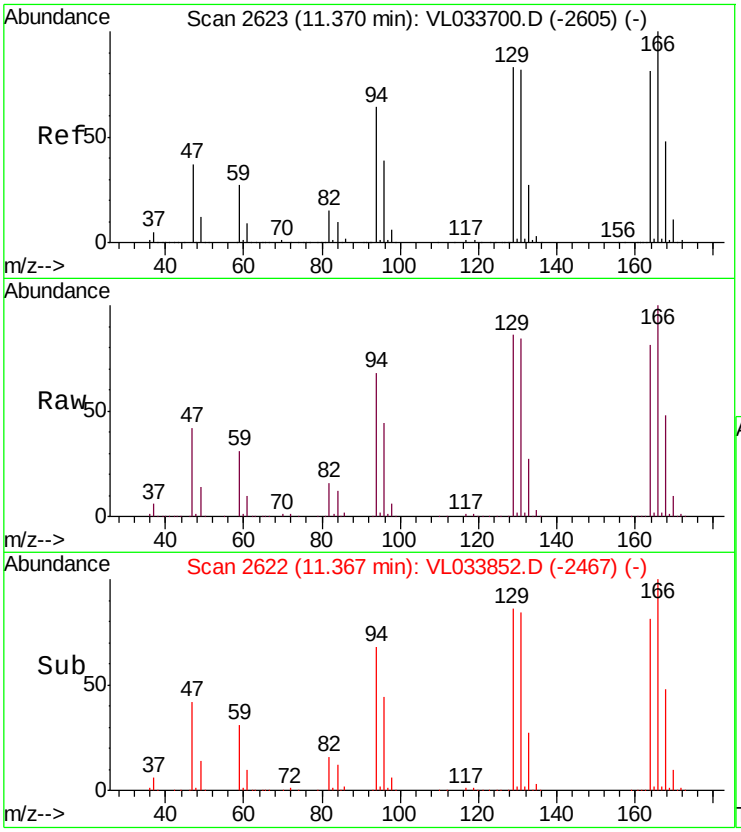


#44
2,2,4-Trimethylpentane
Concen: 0.101 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Tgt Ion: 57 Resp: 26301

Ion	Ratio	Lower	Upper
57	100		
41	58.6	25.4	38.0#
56	42.4	24.7	37.1#



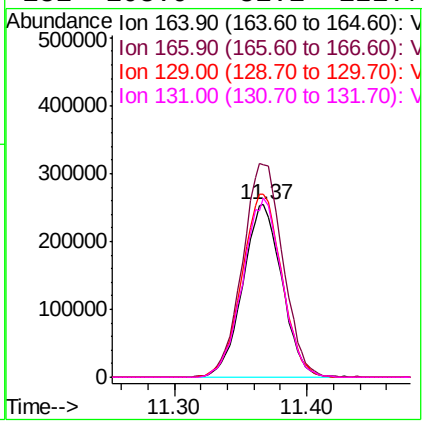


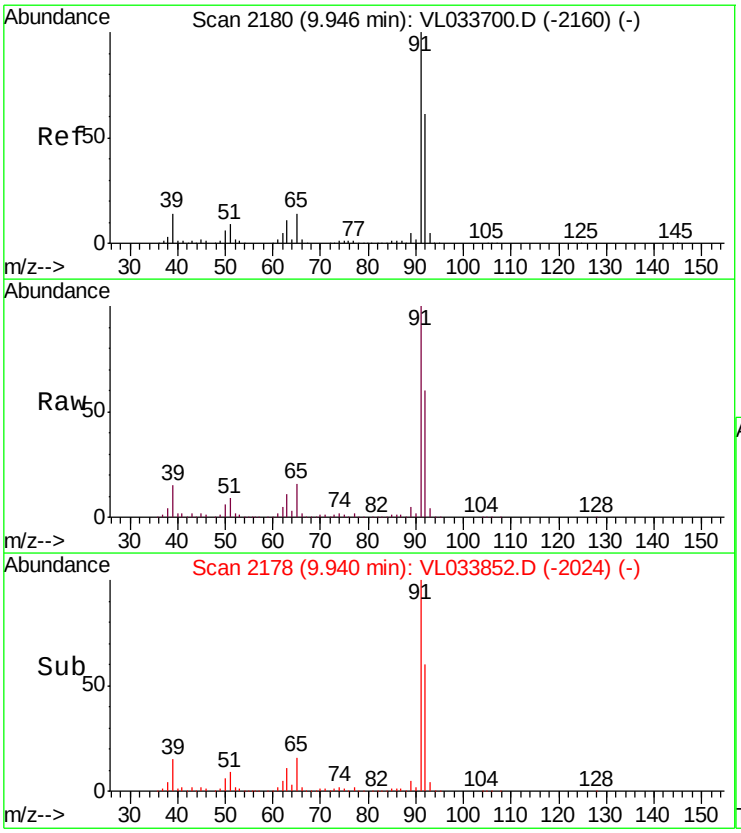
#52
Tetrachloroethene
Concen: 9.647 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion:164 Resp: 520046

Ion	Ratio	Lower	Upper
164	100		
166	123.2	98.9	148.3
129	106.5	81.8	122.6
131	103.9	81.1	121.7

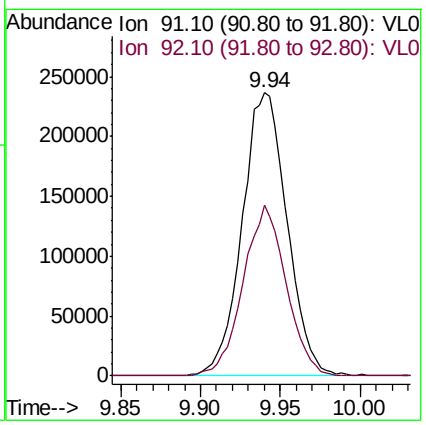


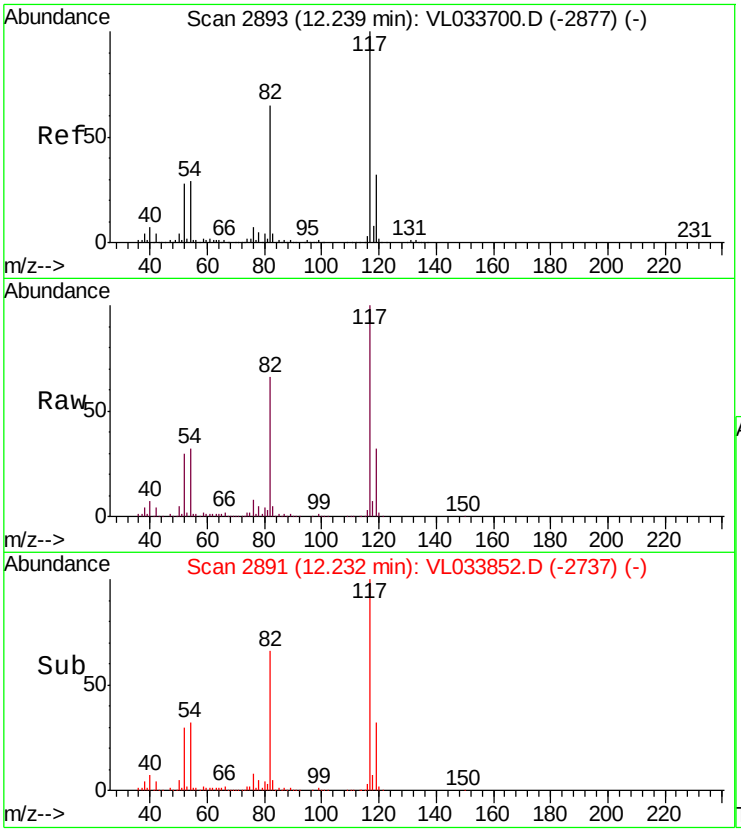


#53
Toluene
Concen: 2.740 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Tgt Ion: 91 Resp: 453191

Ion	Ratio	Lower	Upper
91	100		
92	57.9	47.6	71.4



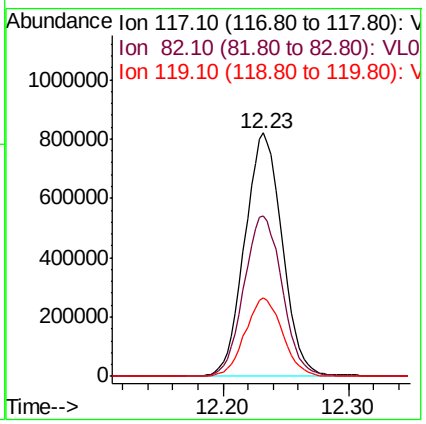


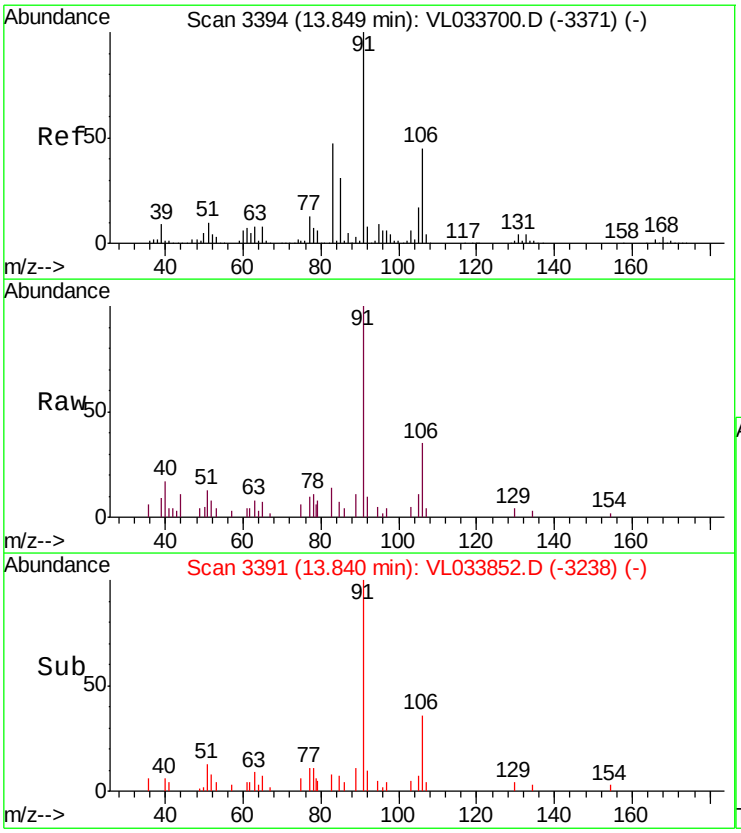
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion:117 Resp: 1704507

Ion	Ratio	Lower	Upper
117	100		
82	67.7	49.4	74.0
119	32.3	24.9	37.3

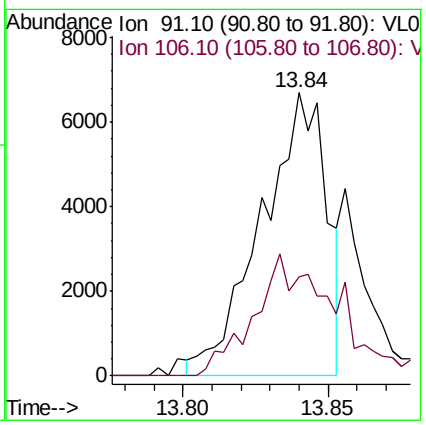


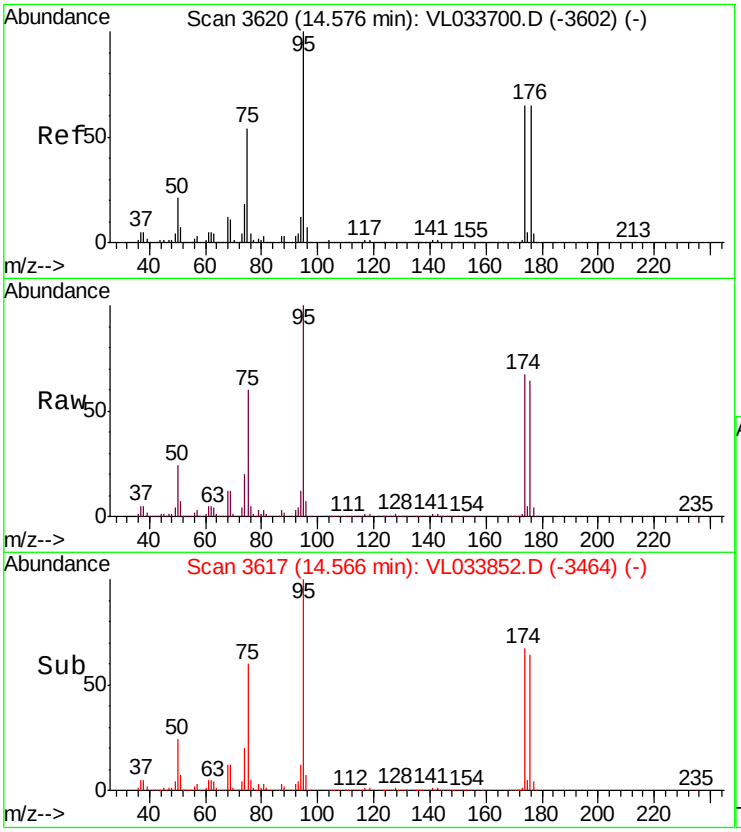


#60
o-Xylene
Concen: 0.052 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Tgt Ion: 91 Resp: 10394

Ion	Ratio	Lower	Upper
91	100		
106	53.9	21.6	64.8



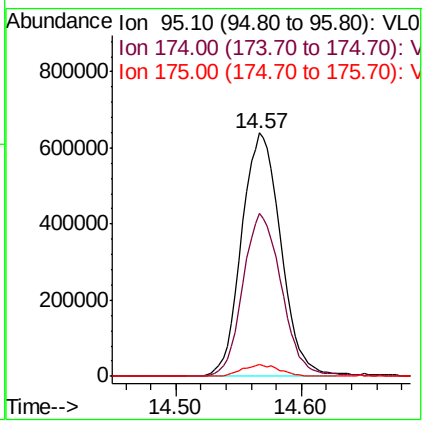


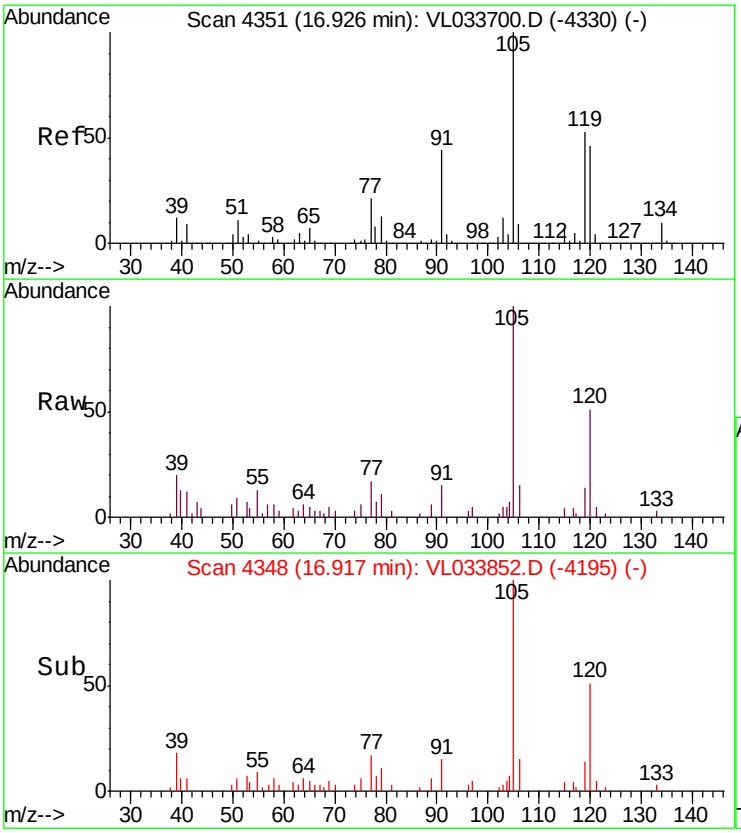
#68
1-Bromo-4-Fluorobenzene
Concen: 10.012 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 95 Resp: 1383423

Ion	Ratio	Lower	Upper
95	100		
174	66.8	53.9	80.9
175	4.7	3.8	5.8





#74
1,2,4-Trimethylbenzene
Concen: 0.078 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. -0.01 min
Lab File: VL033852.D
Acq: 30 May 2019 2:15

Tgt Ion:105 Resp: 18729

Ion	Ratio	Lower	Upper
105	100		
120	50.8	36.8	55.2
91	15.4	35.4	53.0#
77	15.3	16.8	25.2#