Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102418\
Data File : VL032686.D
Acq On : 24 Oct 2018 14:02
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 25 05:10:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.78	49	1506534	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.31	114	3831087	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.26	117	4757271	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.60	95	2870609	8.10	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 81.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.09	85	1908907	12.436	ppbv		98
3) Chlorodifluoromethane	3.03	51	1133560	9.621	ppbv		99
4) Chloromethane	3.18	50	654672	9.943	ppbv		98
5) Vinyl Chloride	3.30	62	658015	9.227	ppbv		97
6) Bromomethane	3.53	94	426722	9.597	ppbv		94
7) Chloroethane	3.61	64	258277	9.835	ppbv		98
8) Dichlorotetrafluoroethane	3.23	85	1539042	9.513	ppbv		92
9) Propene	3.05	41	514669	10.615	ppbv		100
10) Heptane	8.26	43	1997141	10.689	ppbv		99
11) Trichlorofluoromethane	4.02	101	1710944	8.534	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1558748	9.349	ppbv		92
13) Ethanol	3.66	45	127456	9.197	ppbv		98
14) Bromoethene	3.80	108	545357	9.678	ppbv		100
15) Acetone	3.91	43	1142028	8.209	ppbv		99
16) 1,3-Butadiene	3.37	39	563128	11.004	ppbv		80
17) tert-Butyl alcohol	4.37	59	453996	11.096	ppbv	#	100
18) 1,1-Dichloroethene	4.36	96	788181	10.760	ppbv		95
19) Isopropyl Alcohol	4.04	45	816847	8.245	ppbv	#	98
20) Methylene Chloride	4.42	84	672777	9.527	ppbv		97
21) Allyl Chloride	4.49	41	1269289	11.112	ppbv		100
22) trans-1,2-Dichloroethene	4.98	96	750919	9.995	ppbv		88
23) Vinyl Acetate	5.17	43	2561540	10.391	ppbv		99
24) 1,1-Dichloroethane	5.11	63	1869448	9.660	ppbv		99
25) Ethyl Acetate	5.79	43	3161166	9.872	ppbv		100
26) Hexane	5.80	57	1502290	9.915	ppbv		98
27) Carbon Disulfide	4.63	76	1715150	9.332	ppbv		100
28) Methyl tert-Butyl Ether	5.13	73	2313635	10.625	ppbv		100
29) Chloroform	5.87	83	2409409	9.956	ppbv		100
30) Cyclohexane	7.26	84	1335124	11.133	ppbv		97
31) cis-1,2-Dichloroethene	5.66	61	1480366	10.538	ppbv		99
32) 1,1,1-Trichloroethane	6.64	97	2391767	9.725	ppbv		98
34) 2-Butanone	5.34	43	2101279	10.232	ppbv		100
35) Carbon Tetrachloride	7.15	117	2580855	9.492	ppbv		100
36) Benzene	7.02	78	3195975	10.273	ppbv		99
37) 1,2-Dichloroethane	6.43	62	1816258	9.518	ppbv		97
38) Trichloroethene	7.98	130	1221691	10.608	ppbv		97
39) 1,2-Dichloropropane	7.75	63	1208709	10.061	ppbv		98
40) 1,4-Dioxane	7.98	88	426001	10.383	ppbv	#	99
41) Tetrahydrofuran	6.16	42	1265130	11.055	ppbv		99
42) Bromodichloromethane	7.94	83	2608031	9.755	ppbv		99
43) Methyl Methacrylate	8.16	69	1272514	11.161	ppbv		97

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102418\
Data File : VL032686.D
Acq On : 24 Oct 2018 14:02
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 25 05:10:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	5356444	10.086	ppbv		99
45) t-1,3-Dichloropropene	9.43	75	1811386	11.869	ppbv		99
46) cis-1,3-Dichloropropene	8.86	75	1992268	11.425	ppbv		99
47) 1,1,2-Trichloroethane	9.64	97	1421443	10.013	ppbv		98
48) Dibromochloromethane	10.47	129	2256782	9.538	ppbv		99
49) Bromoform	13.22	173	1943113	10.450	ppbv		100
50) 4-Methyl-2-Pentanone	8.89	43	3372143	11.083	ppbv		99
51) 2-Hexanone	10.29	43	2366455	10.463	ppbv	#	98
52) Tetrachloroethene	11.39	164	1097955	10.123	ppbv		96
53) Toluene	9.97	91	3986403	11.178	ppbv		99
54) 1,2-Dibromoethane	10.78	107	1995823	10.344	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.30	131	1617903	7.777	ppbv		99
57) Chlorobenzene	12.32	112	2757732	7.882	ppbv		94
58) Ethyl Benzene	12.88	91	4907271	8.879	ppbv		99
59) m/p-Xylene	13.17	91	3722807	7.564	ppbv	#	14
60) o-Xylene	13.87	91	3925282	8.268	ppbv		99
61) Styrene	13.70	104	3042051	9.557	ppbv		98
62) Isopropylbenzene	14.85	105	5559642	8.275	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.86	83	2755672	7.409	ppbv		99
64) n-propylbenzene	15.74	120	1414472	8.471	ppbv		95
65) tert-Butylbenzene	16.93	119	4776219	8.347	ppbv		95
66) Benzyl Chloride	17.17	91	2822333	9.553	ppbv		99
67) sec-Butylbenzene	17.48	105	6747055	8.290	ppbv		99
69) p-Isopropyltoluene	17.84	119	5478389	8.495	ppbv		98
70) n-Butylbenzene	18.73	91	5621513	8.467	ppbv		99
71) 2-Chlorotoluene	15.64	91	4101871	8.590	ppbv		98
72) 4-Ethyltoluene	16.02	105	4504910	8.909	ppbv		99
73) 1,3,5-Trimethylbenzene	16.18	105	4249721	8.629	ppbv		99
74) 1,2,4-Trimethylbenzene	16.95	105	4313108	8.201	ppbv		93
75) 1,3-Dichlorobenzene	17.19	146	2387209	7.893	ppbv		99
76) 1,4-Dichlorobenzene	17.33	146	2334519	8.365	ppbv		98
77) 1,2-Dichlorobenzene	18.01	146	2300430	8.029	ppbv		98
78) Hexachloro-1,3-Butadiene	23.56	225	1410948	10.422	ppbv		100
79) Naphthalene	22.43	128	3653055	11.175	ppbv		99
80) Naphthalene,2-methyl-	25.13	142	1212932	15.259	ppbv		99
81) 1,2,4-Trichlorobenzene	22.15	180	1823333	10.770	ppbv		99

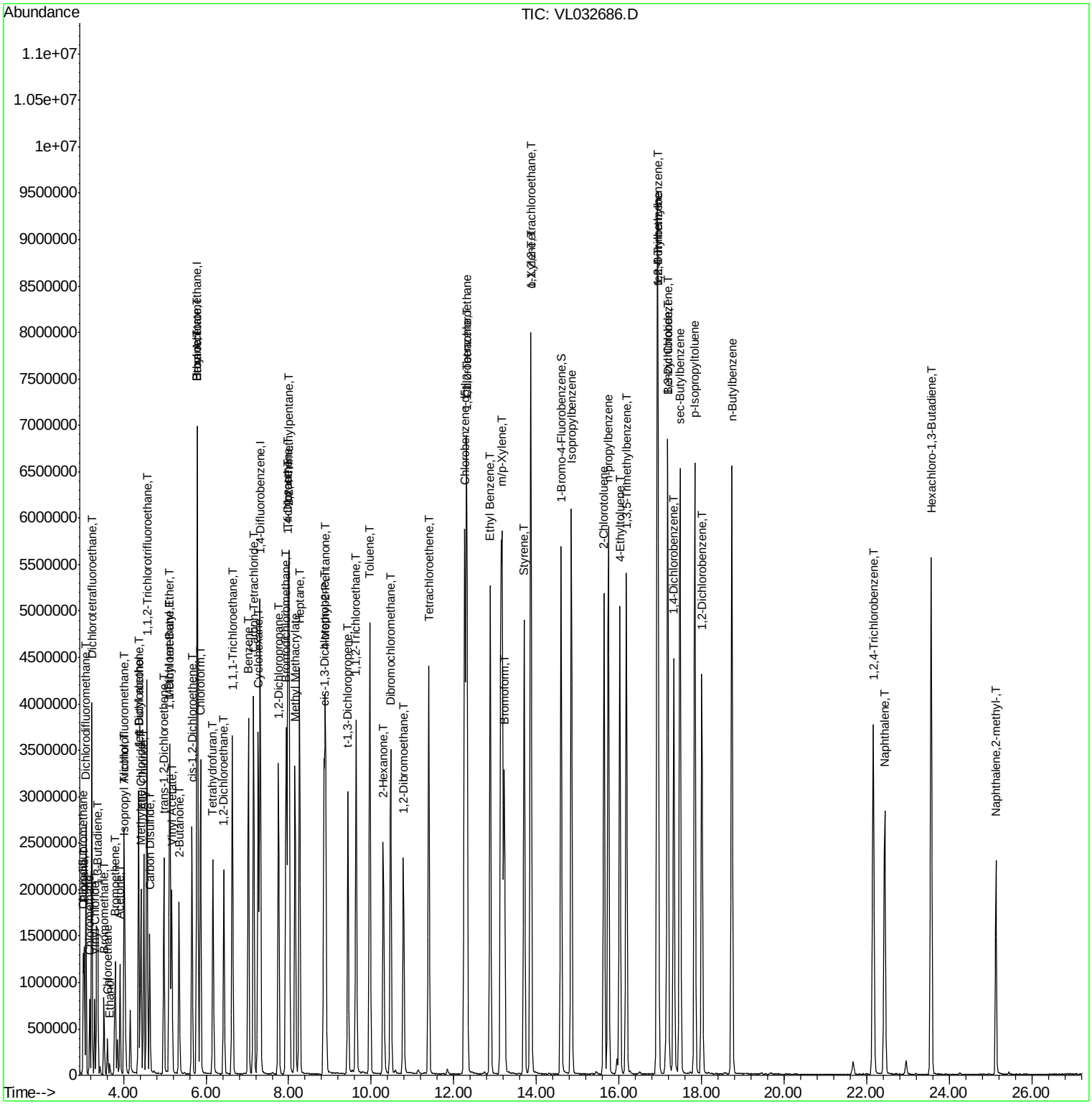
(#) = qualifier out of range (m) = manual integration (+) = signals summed

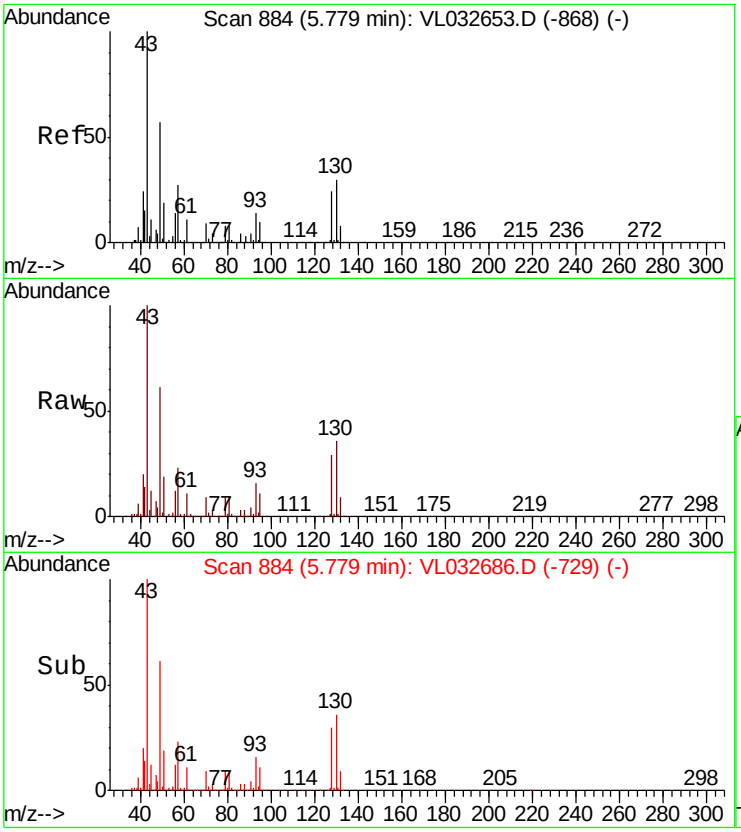
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102418\
Data File : VL032686.D
Acq On : 24 Oct 2018 14:02
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 25 05:10:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration



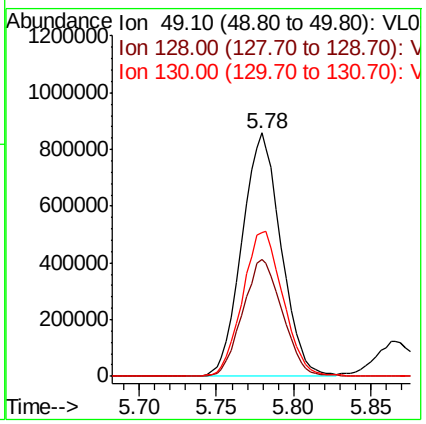


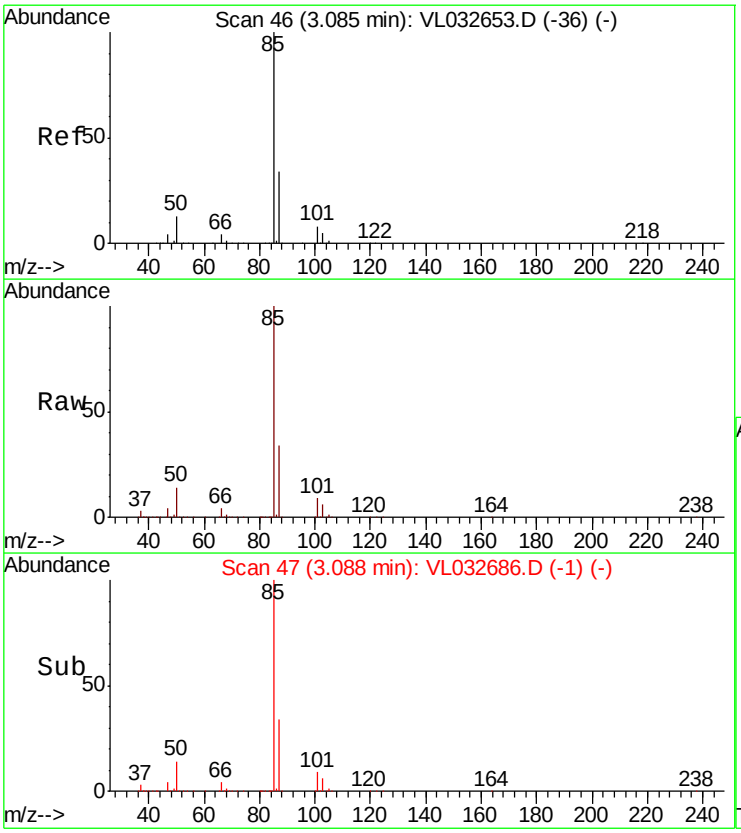
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1506534

Ion	Ratio	Lower	Upper
49	100		
128	49.1	22.3	66.8
130	62.2	28.4	85.3

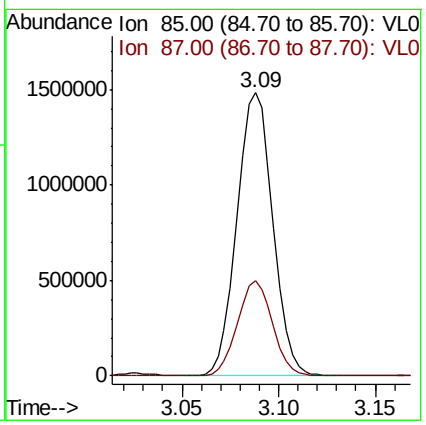


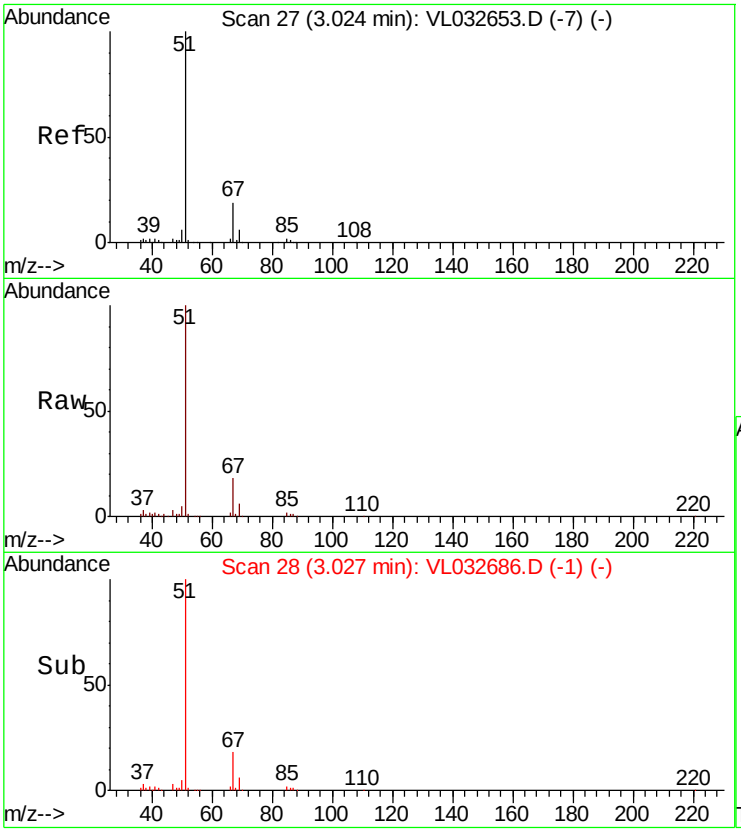


#2
Dichlorodifluoromethane
Concen: 12.436 ppbv
RT: 3.09 min Scan# 47
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 85 Resp: 1908907

Ion	Ratio	Lower	Upper
85	100		
87	33.6	26.2	39.2



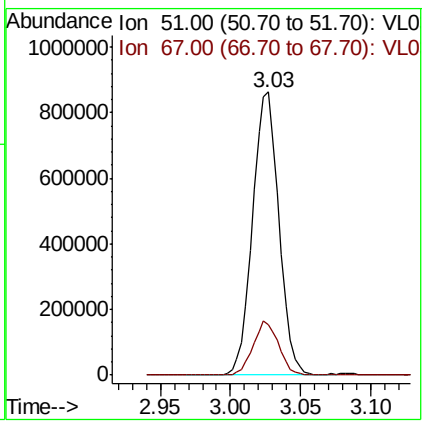


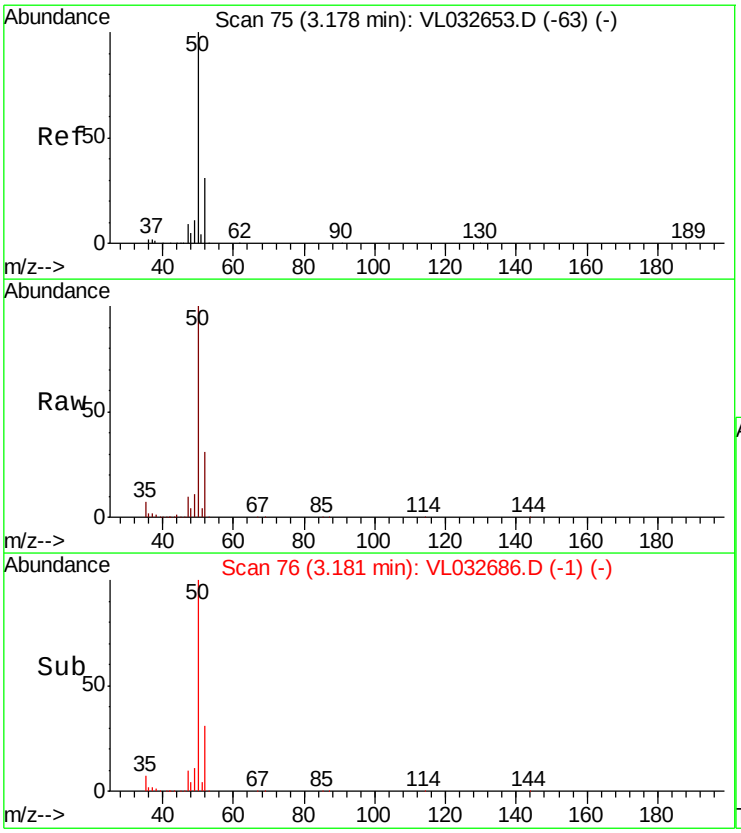
#3
Chlorodifluoromethane
Concen: 9.621 ppbv
RT: 3.03 min Scan# 28
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1133560

Ion	Ratio	Lower	Upper
51	100		
67	18.4	15.2	22.8

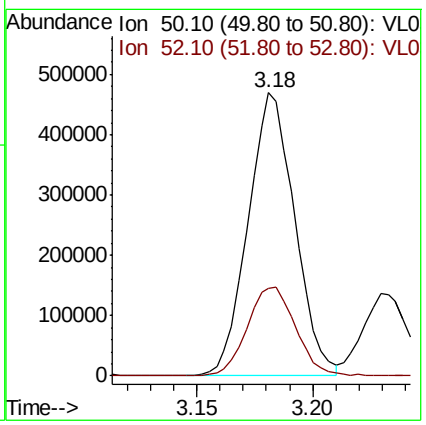


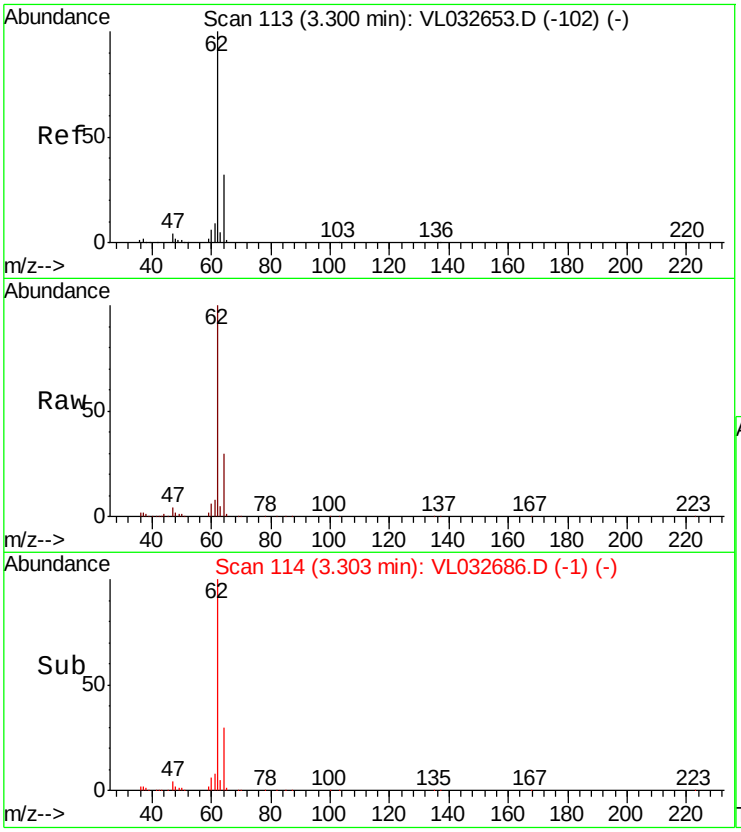


#4
Chloromethane
Concen: 9.943 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 50 Resp: 654672

Ion	Ratio	Lower	Upper
50	100		
52	31.0	25.9	38.9



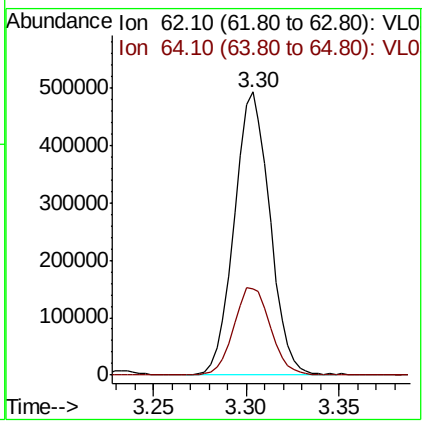


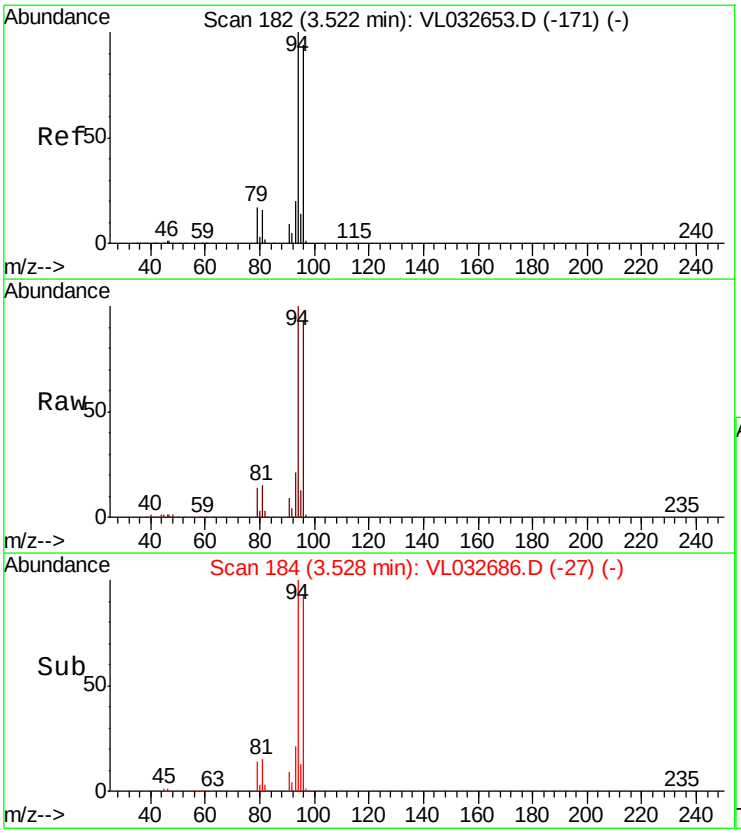
#5
Vinyl Chloride
Concen: 9.227 ppbv
RT: 3.30 min Scan# 114
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 658015

Ion	Ratio	Lower	Upper
62	100		
64	30.5	25.5	38.3

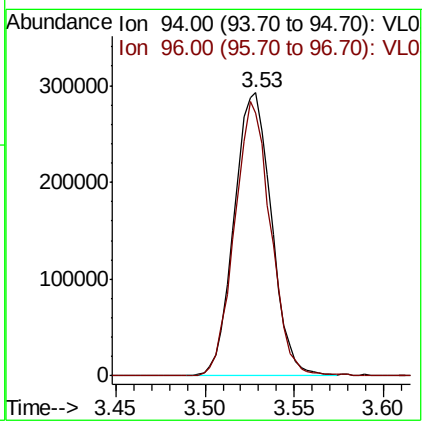


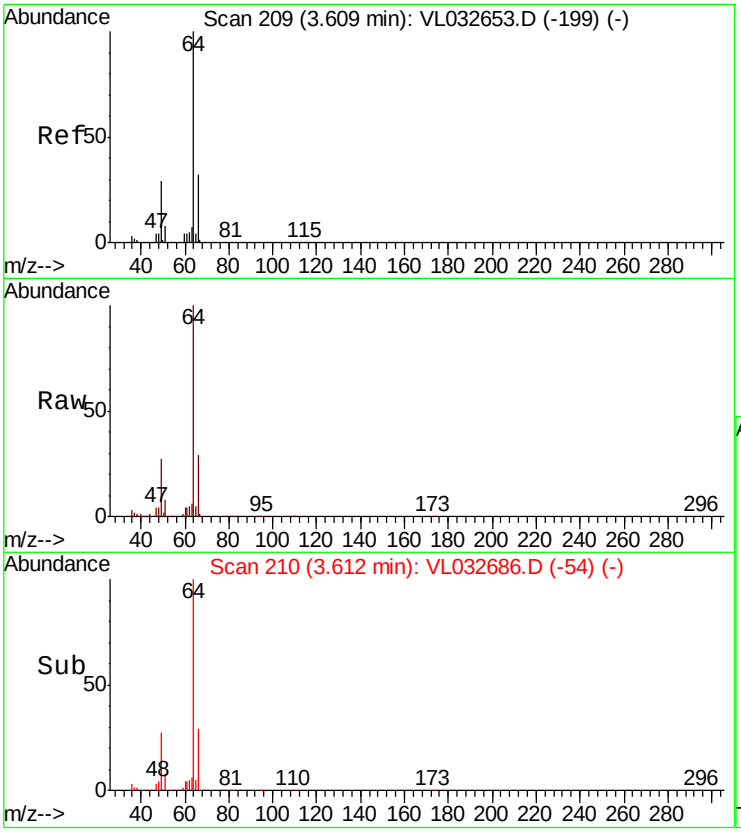


#6
Bromomethane
Concen: 9.597 ppbv
RT: 3.53 min Scan# 184
Delta R.T. 0.01 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 94 Resp: 426722

Ion	Ratio	Lower	Upper
94	100		
96	92.7	69.8	104.8



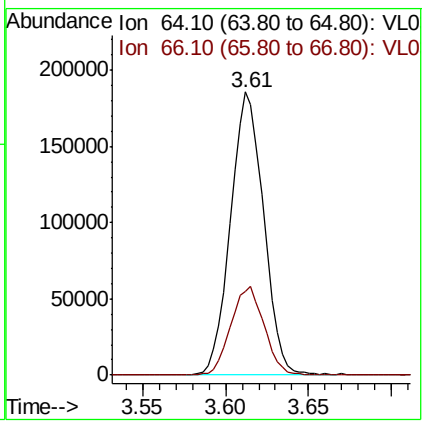


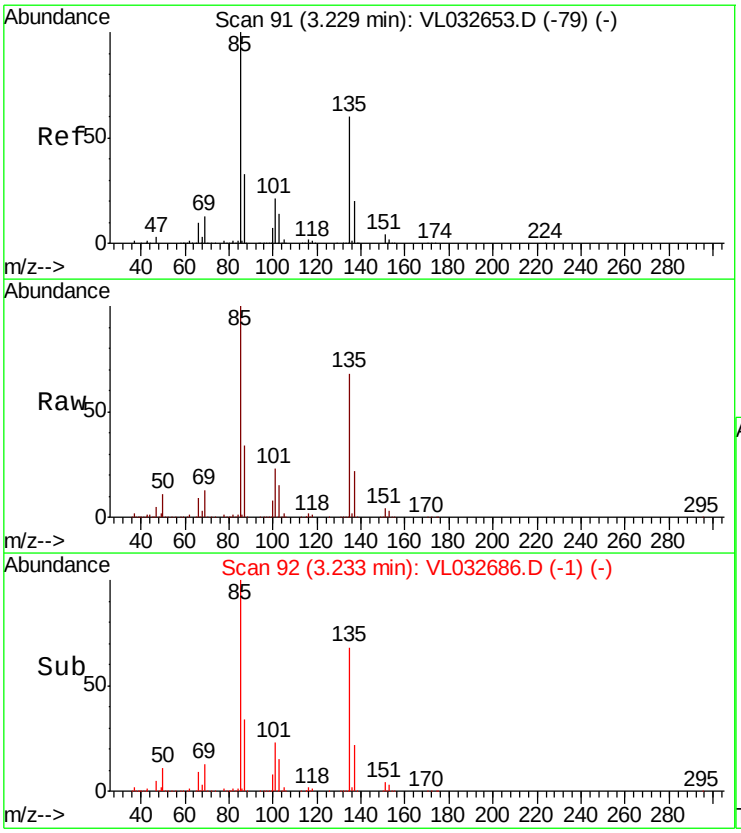
#7
Chloroethane
Concen: 9.835 ppbv
RT: 3.61 min Scan# 210
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 258277

Ion	Ratio	Lower	Upper
64	100		
66	29.5	24.4	36.6

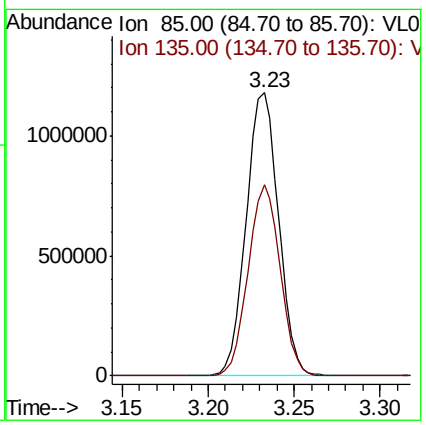


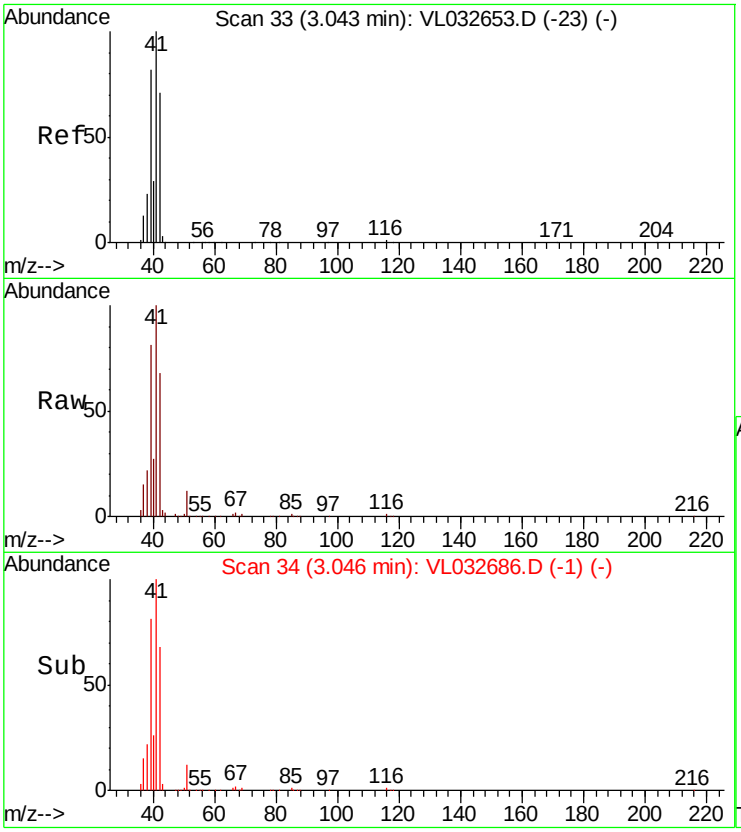


#8
Dichlorotetrafluoroethane
Concen: 9.513 ppbv
RT: 3.23 min Scan# 92
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 85 Resp: 1539042

Ion	Ratio	Lower	Upper
85	100		
135	67.0	49.0	73.4



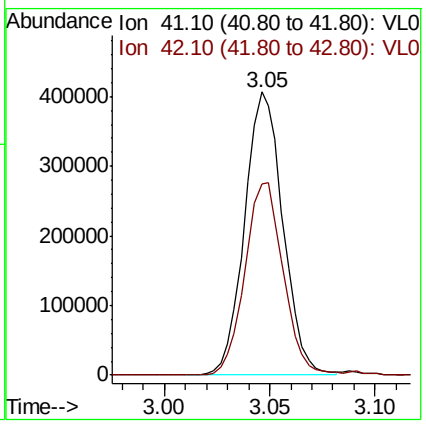


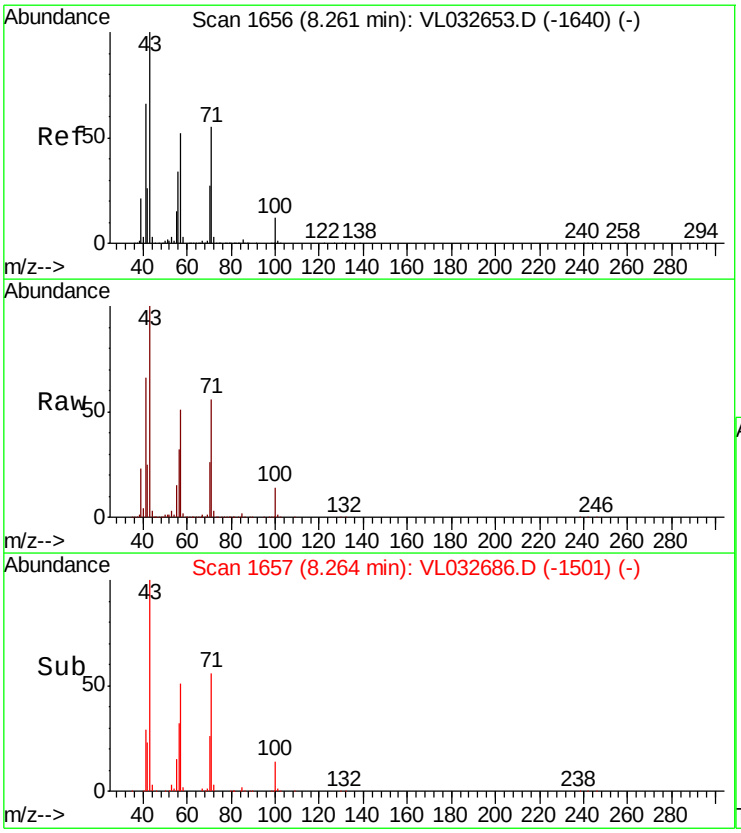
#9
Propene
Concen: 10.615 ppbv
RT: 3.05 min Scan# 34
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 514669

Ion	Ratio	Lower	Upper
41	100		
42	69.0	55.4	83.0

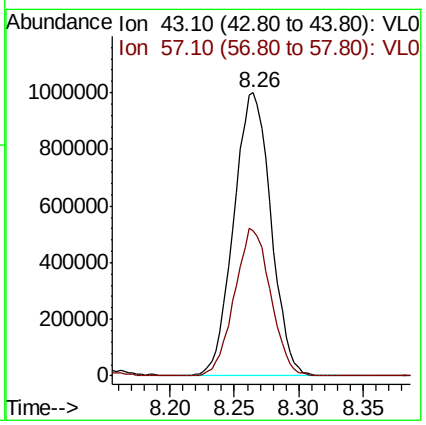


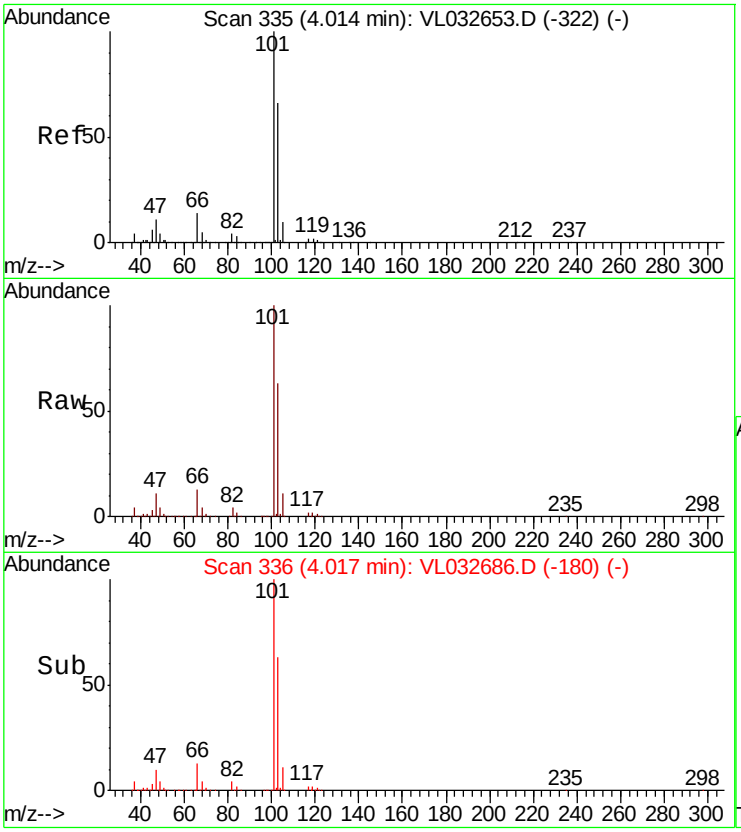


#10
Heptane
Concen: 10.689 ppbv
RT: 8.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 43 Resp: 1997141

Ion	Ratio	Lower	Upper
43	100		
57	51.0	41.5	62.3



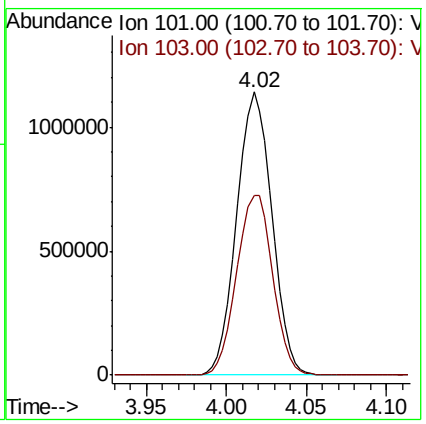


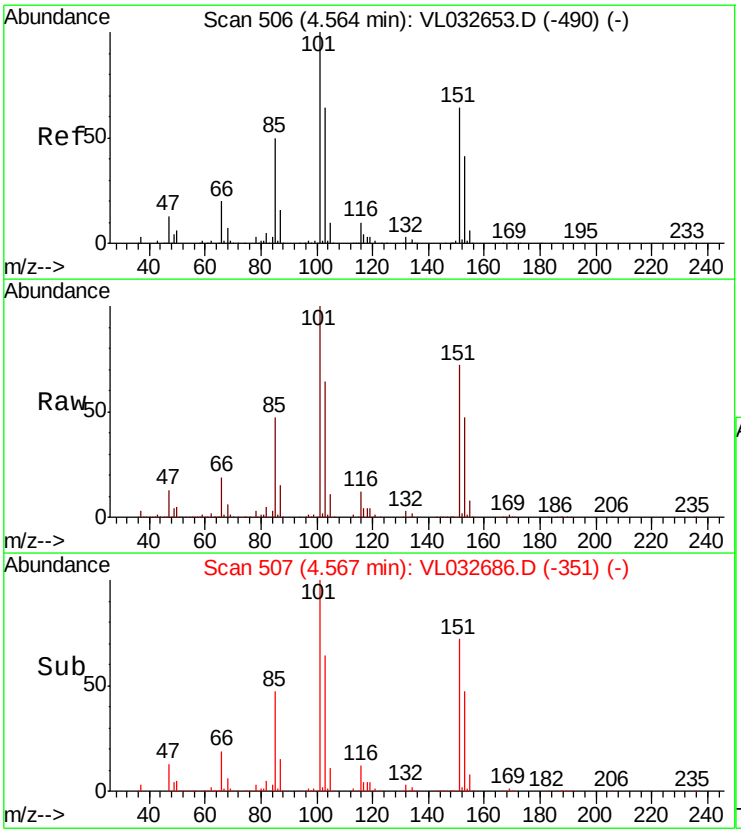
#11
Trichlorofluoromethane
Concen: 8.534 ppbv
RT: 4.02 min Scan# 336
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1710944

Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.4	77.2

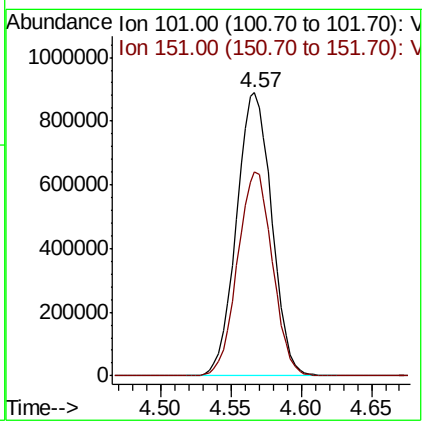


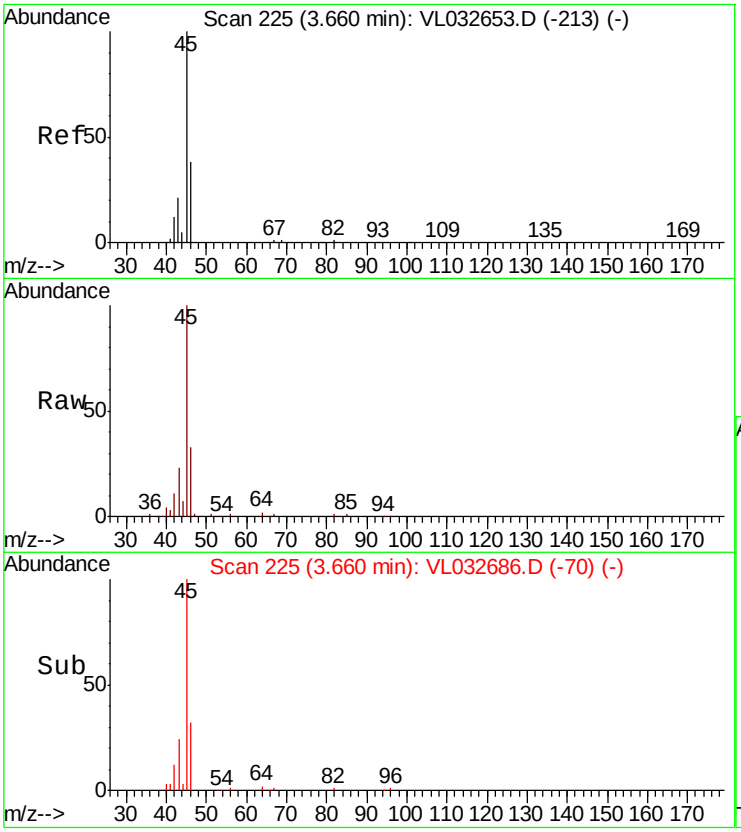


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.349 ppbv
RT: 4.57 min Scan# 507
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion:101 Resp: 1558748

Ion	Ratio	Lower	Upper
101	100		
151	71.5	52.3	78.5



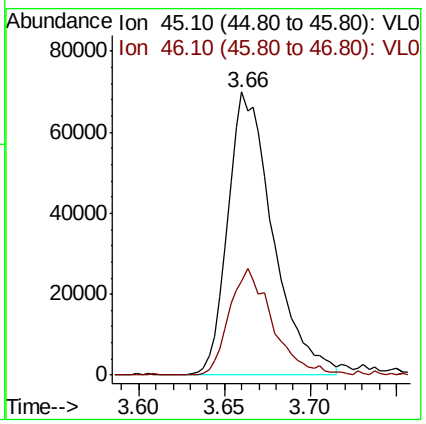


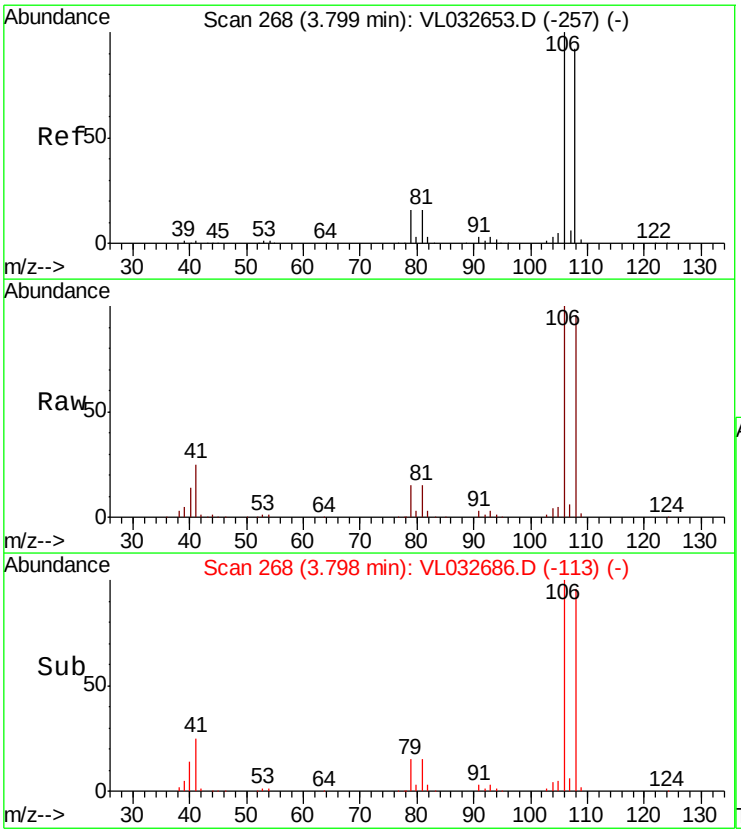
#13
Ethanol
Concen: 9.197 ppbv
RT: 3.66 min Scan# 225
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 127456

Ion	Ratio	Lower	Upper
45	100		
46	37.1	15.4	61.8

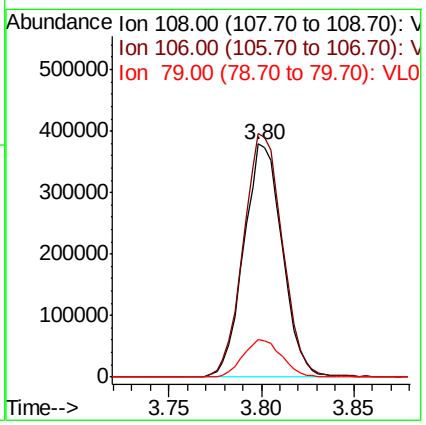


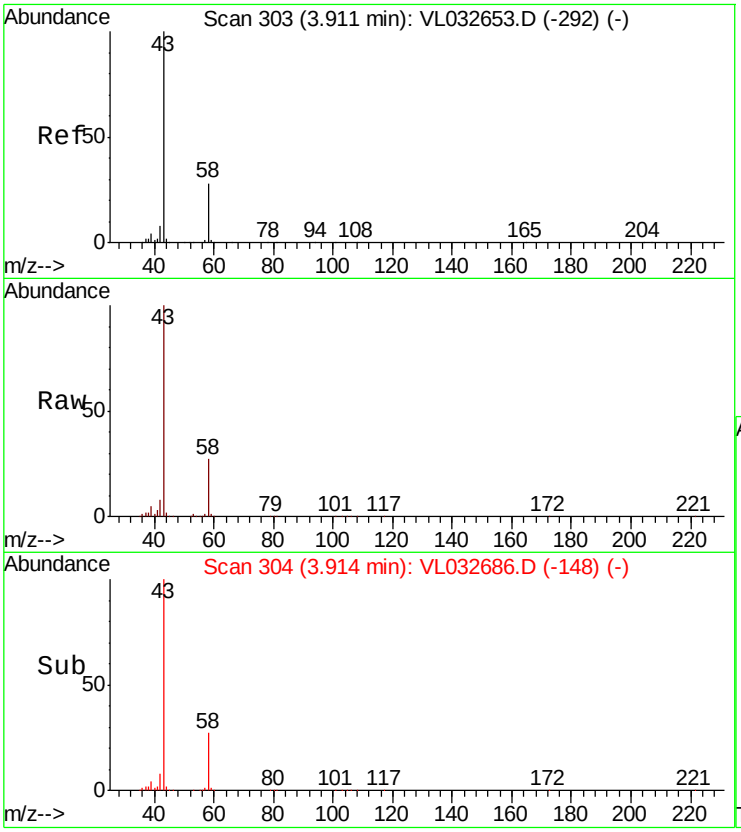


#14
Bromoethene
Concen: 9.678 ppbv
RT: 3.80 min Scan# 268
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion:108 Resp: 545357

Ion	Ratio	Lower	Upper
108	100		
106	106.5	85.0	127.4
79	16.5	13.7	20.5



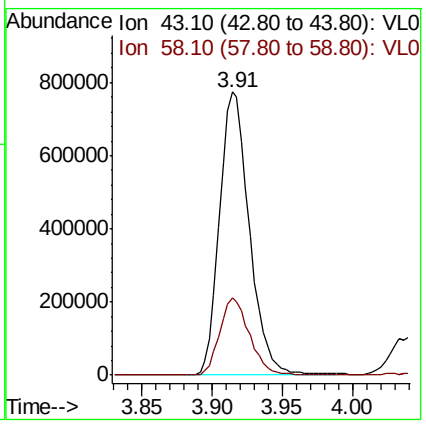


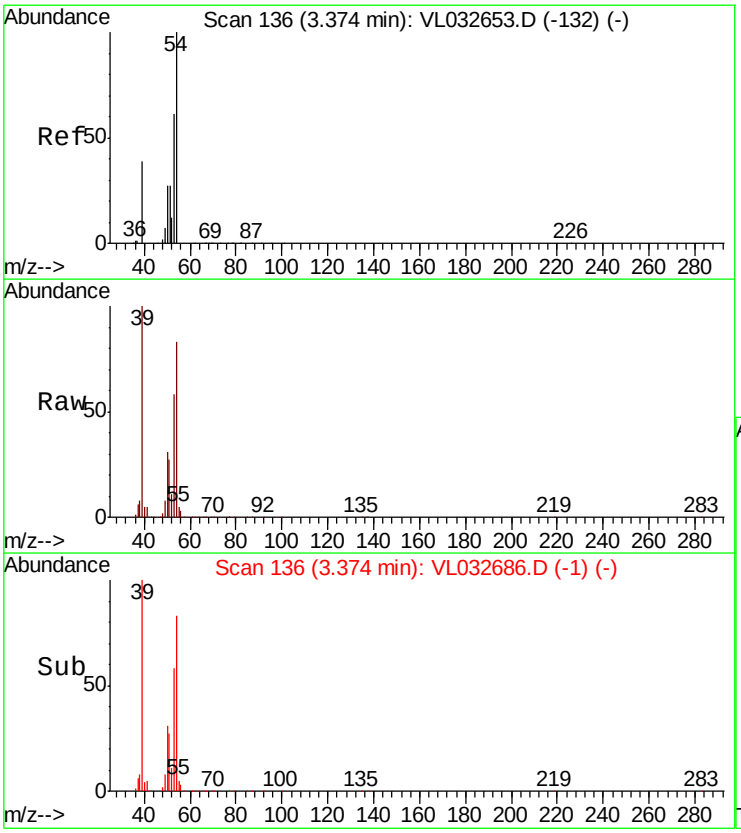
#15
Acetone
Concen: 8.209 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1142028

Ion	Ratio	Lower	Upper
43	100		
58	27.3	22.1	33.1

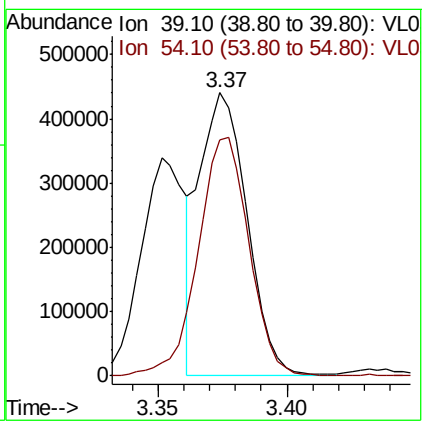


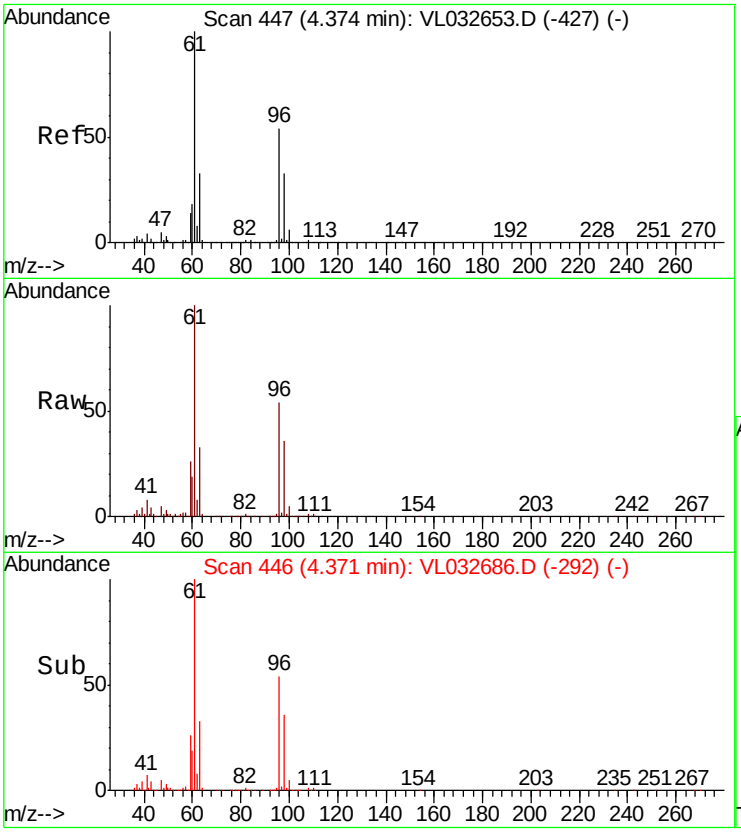


#16
1,3-Butadiene
Concen: 11.004 ppbv
RT: 3.37 min Scan# 136
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 39 Resp: 563128

Ion	Ratio	Lower	Upper
39	100		
54	91.1	90.4	135.6



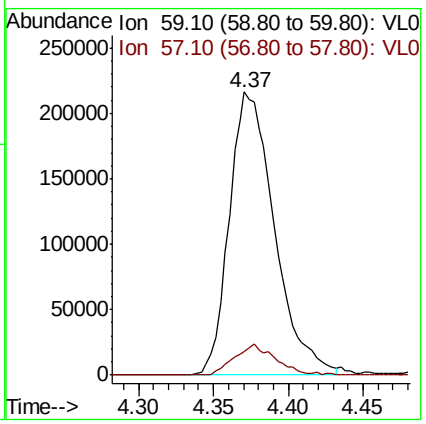


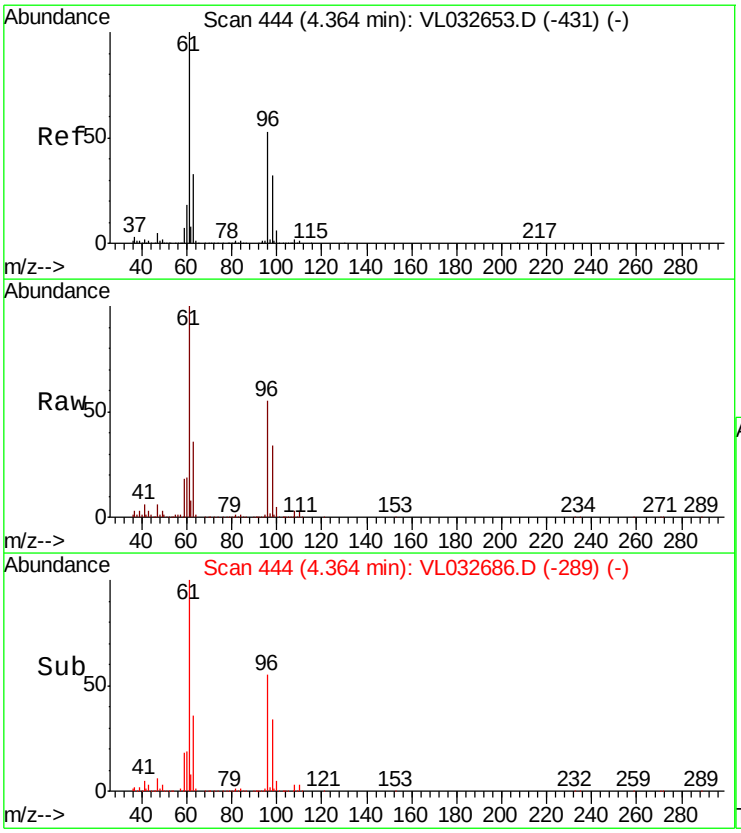
#17
tert-Butyl alcohol
Concen: 11.096 ppbv
RT: 4.37 min Scan# 446
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 453996

Ion	Ratio	Lower	Upper
59	100		
57	10.3	0.0	0.0#

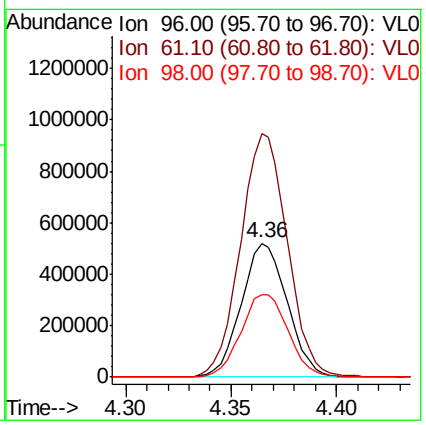


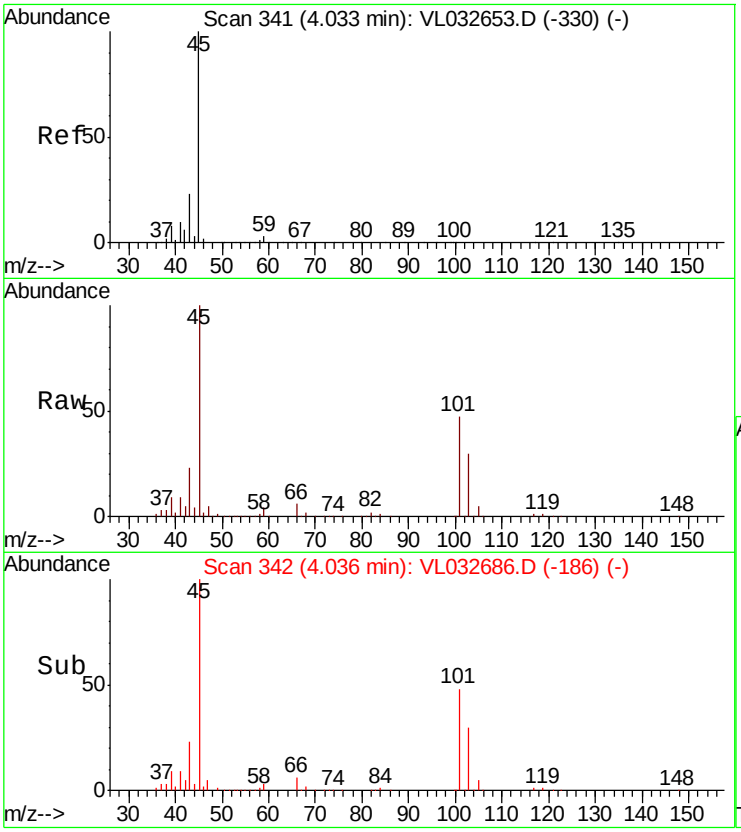


#18
1,1-Dichloroethene
Concen: 10.760 ppbv
RT: 4.36 min Scan# 444
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 96 Resp: 788181

Ion	Ratio	Lower	Upper
96	100		
61	181.7	151.6	227.4
98	61.0	50.6	75.8



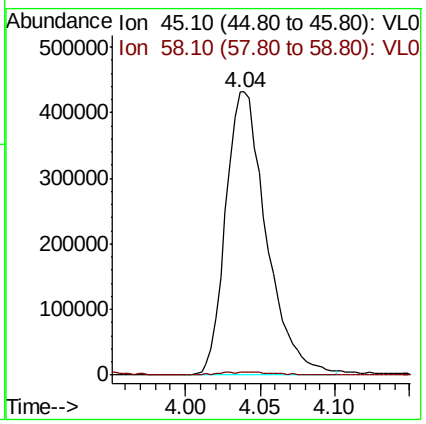


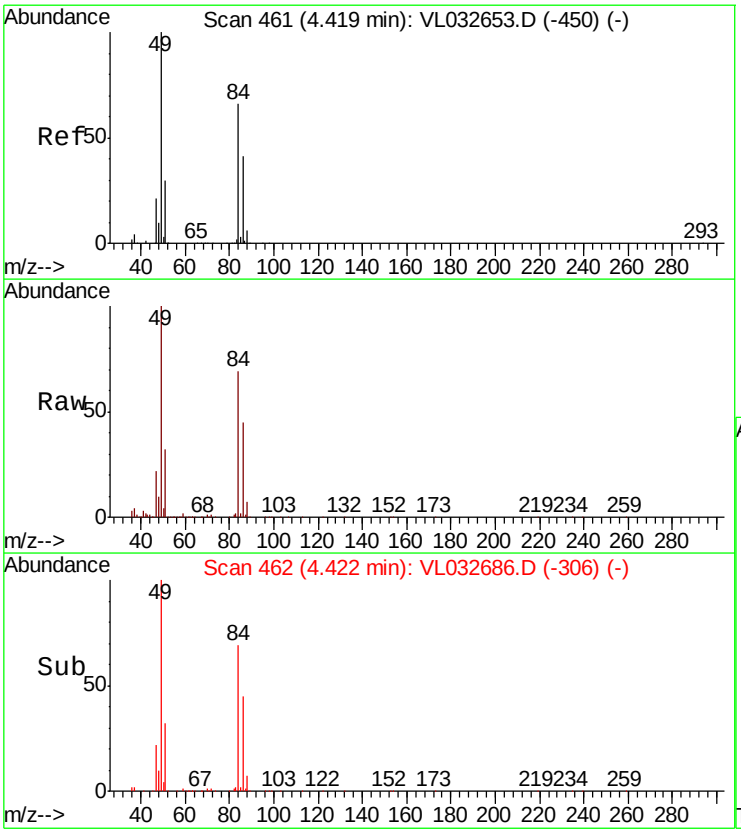
#19
Isopropyl Alcohol
Concen: 8.245 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 816847

Ion	Ratio	Lower	Upper
45	100		
58	1.7	2.0	3.0#

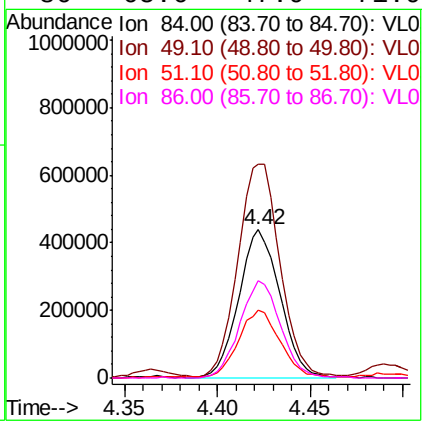


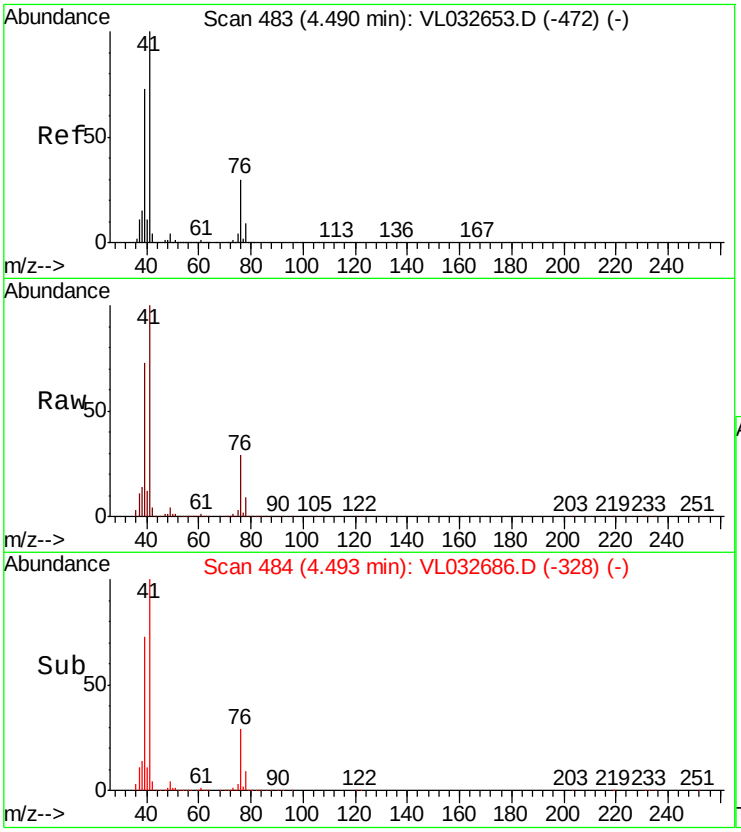


#20
Methylene Chloride
Concen: 9.527 ppbv
RT: 4.42 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 84 Resp: 672777

Ion	Ratio	Lower	Upper
84	100		
49	143.2	113.5	170.3
51	45.0	34.8	52.2
86	65.6	47.9	71.9



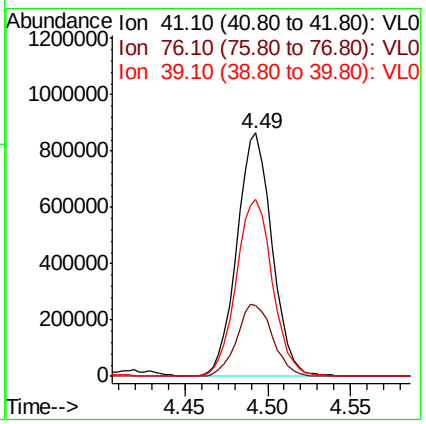


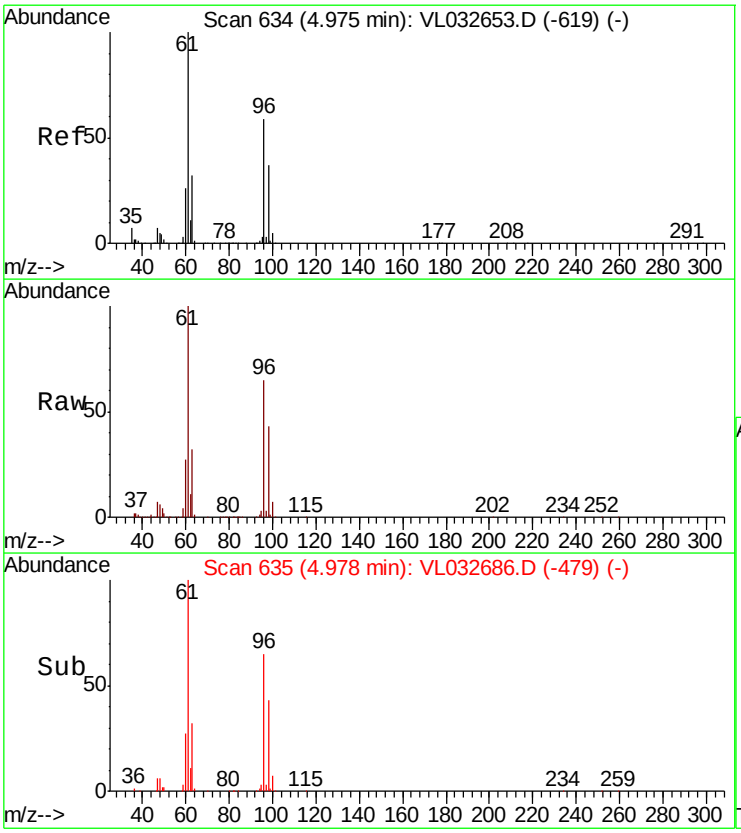
#21
Allyl Chloride
Concen: 11.112 ppbv
RT: 4.49 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 1269289

Ion	Ratio	Lower	Upper
41	100		
76	30.6	24.3	36.5
39	75.0	60.3	90.5

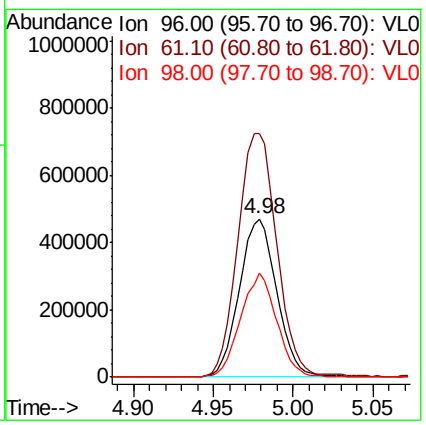


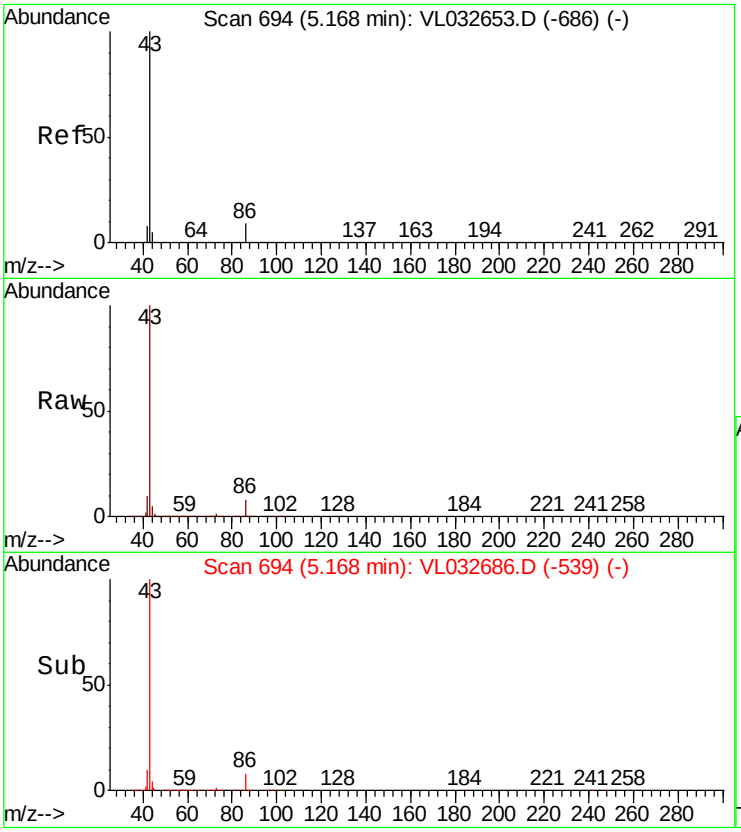


#22
trans-1,2-Dichloroethene
Concen: 9.995 ppbv
RT: 4.98 min Scan# 635
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 96 Resp: 750919

Ion	Ratio	Lower	Upper
96	100		
61	153.5	140.4	210.6
98	66.1	55.0	82.6



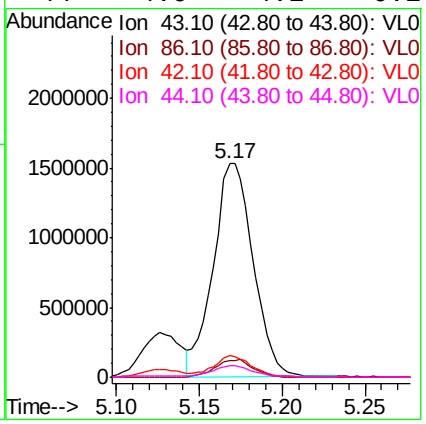


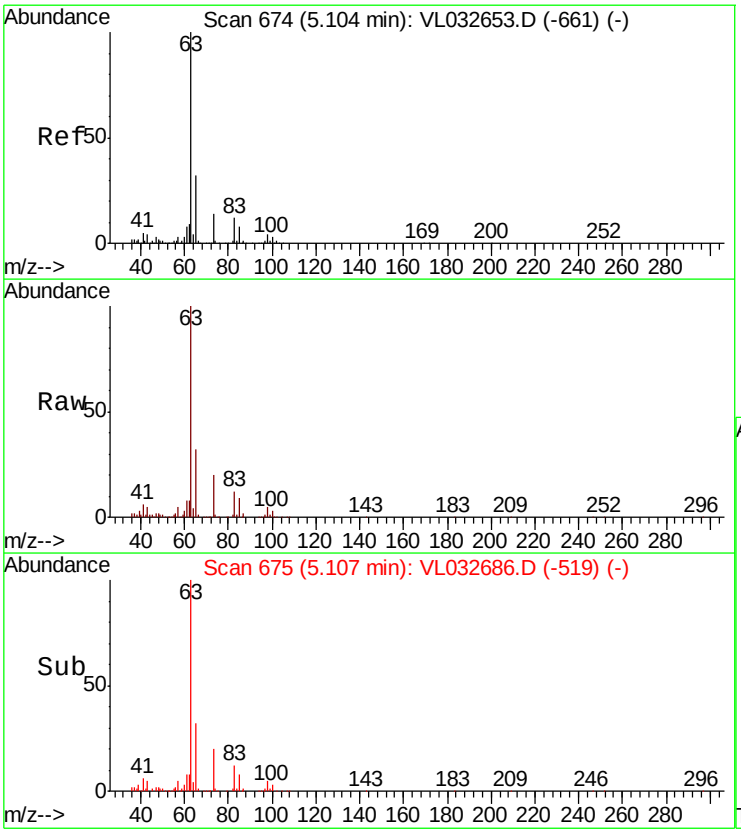
#23
Vinyl Acetate
Concen: 10.391 ppbv
RT: 5.17 min Scan# 694
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2561540

Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.1	9.1
42	9.8	7.4	11.2
44	4.9	4.2	6.2

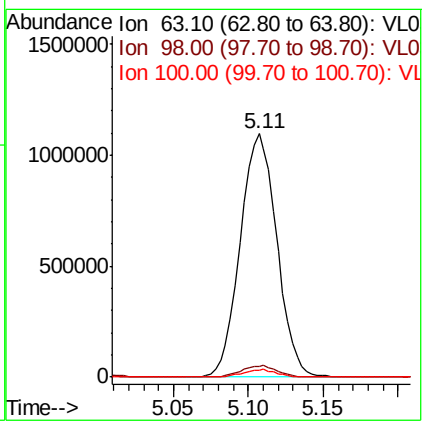


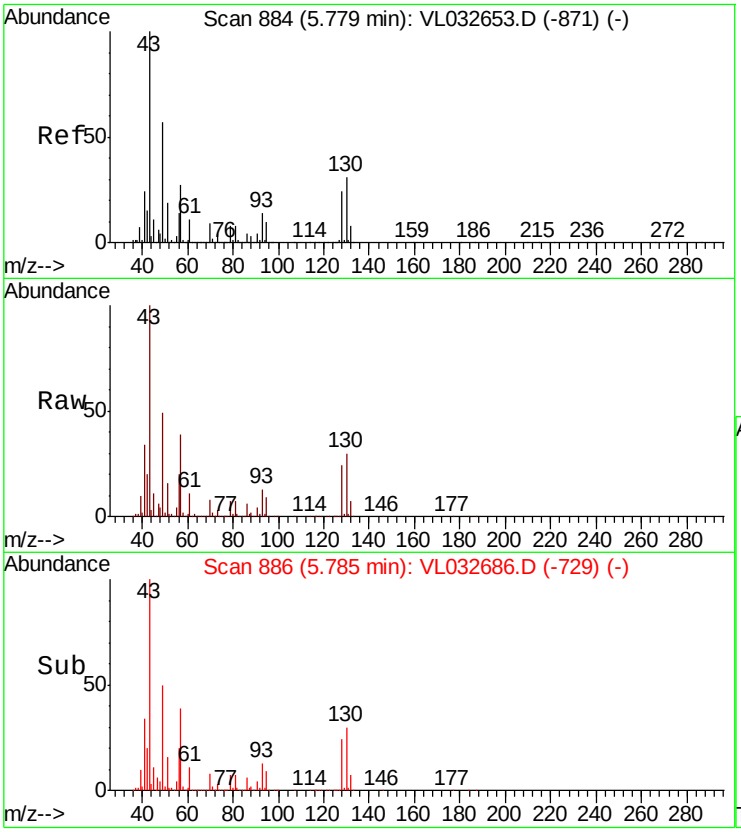


#24
1,1-Dichloroethane
Concen: 9.660 ppbv
RT: 5.11 min Scan# 675
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 63 Resp: 1869448

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.3
100	3.1	1.2	3.6



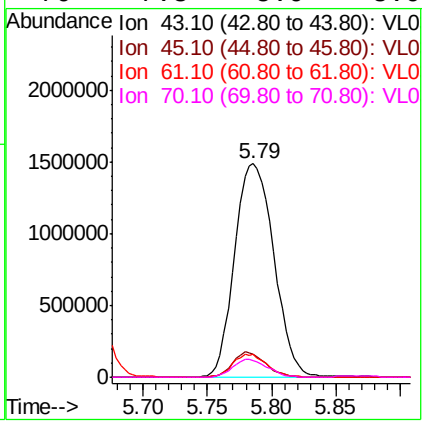


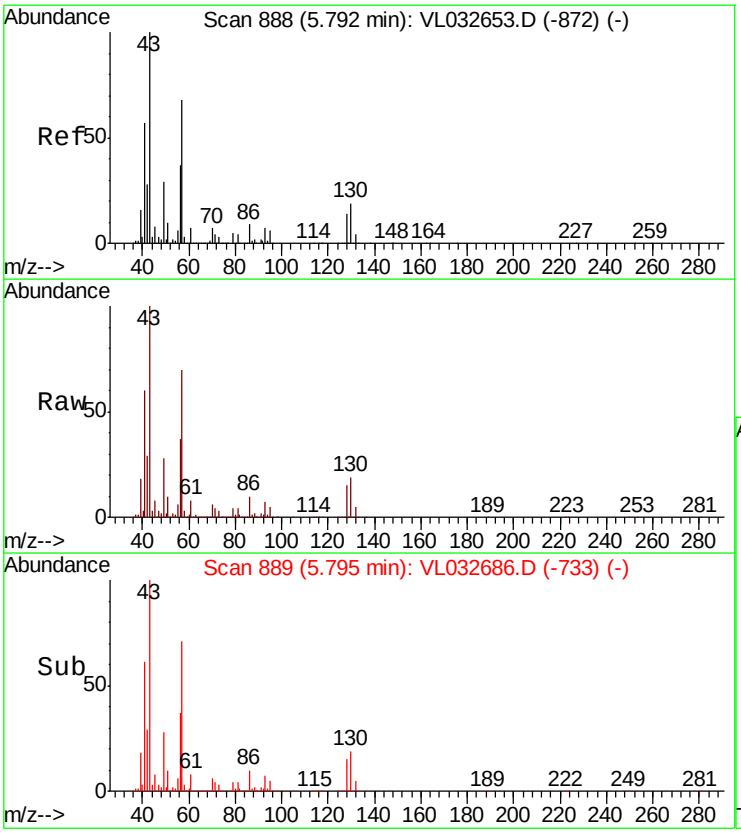
#25
Ethyl Acetate
Concen: 9.872 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.01 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 3161166

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.6	8.0	12.0
70	7.3	5.9	8.9

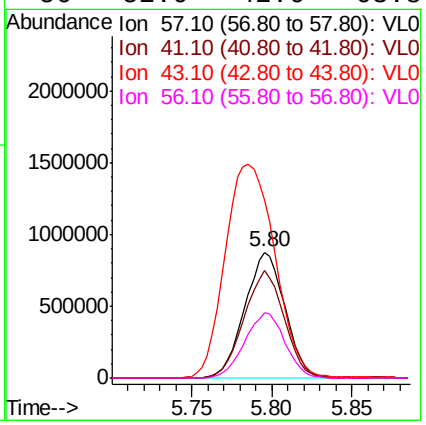


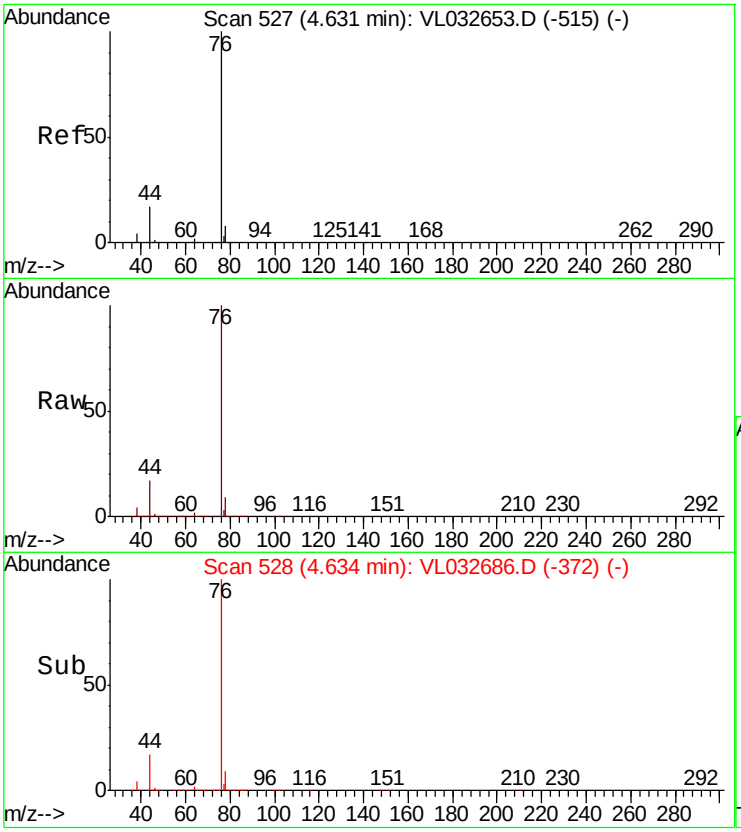


#26
Hexane
Concen: 9.915 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 57 Resp: 1502290

Ion	Ratio	Lower	Upper
57	100		
41	85.5	67.4	101.0
43	211.5	171.9	257.9
56	52.0	42.6	63.8



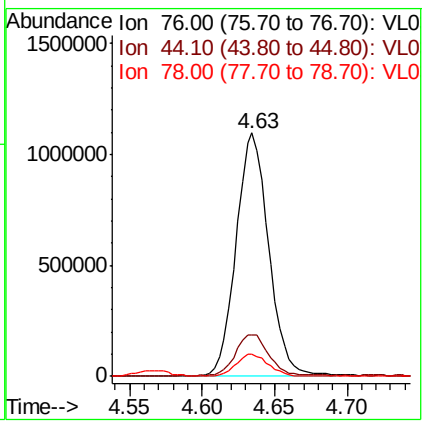


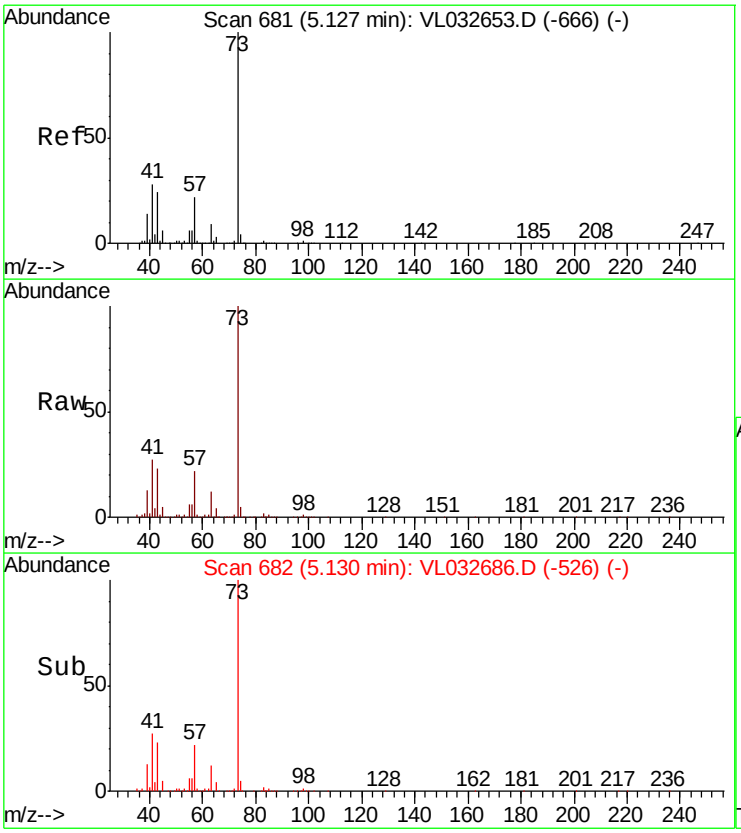
#27
Carbon Disulfide
Concen: 9.332 ppbv
RT: 4.63 min Scan# 528
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1715150

Ion	Ratio	Lower	Upper
76	100		
44	17.0	13.7	20.5
78	9.2	7.4	11.2

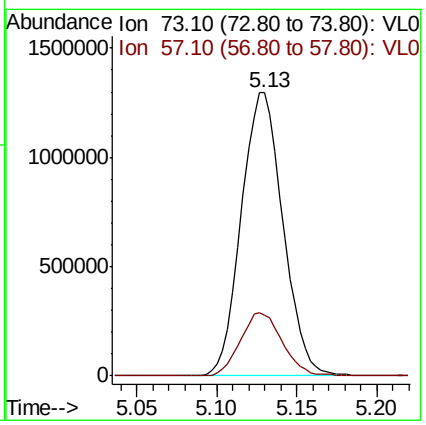


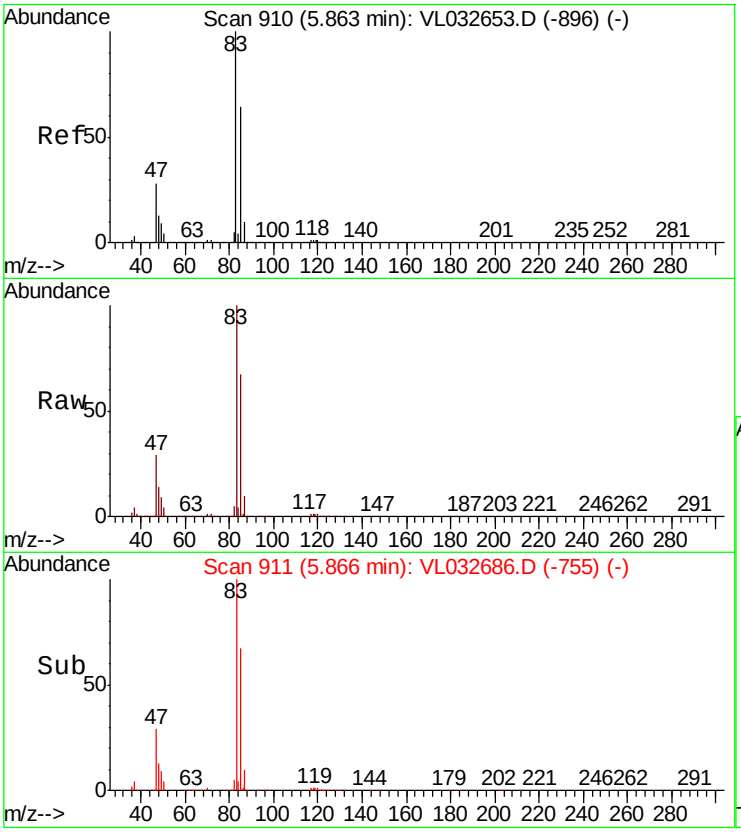


#28
Methyl tert-Butyl Ether
Concen: 10.625 ppbv
RT: 5.13 min Scan# 682
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 73 Resp: 2313635

Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.0	27.0



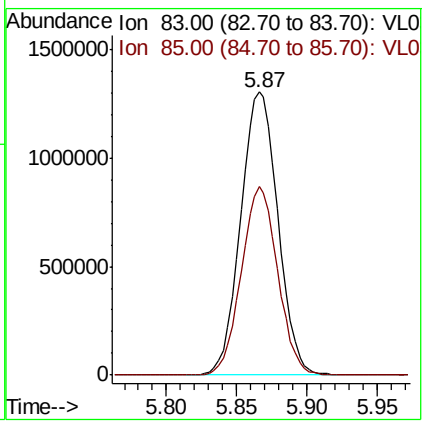


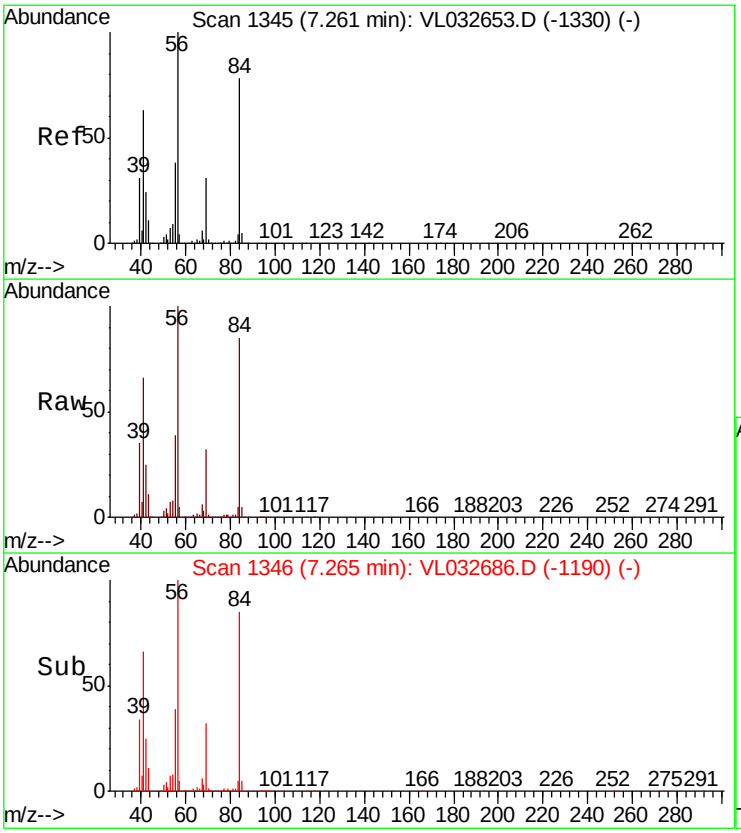
#29
Chloroform
Concen: 9.956 ppbv
RT: 5.87 min Scan# 911
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2409409

Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.0	79.6

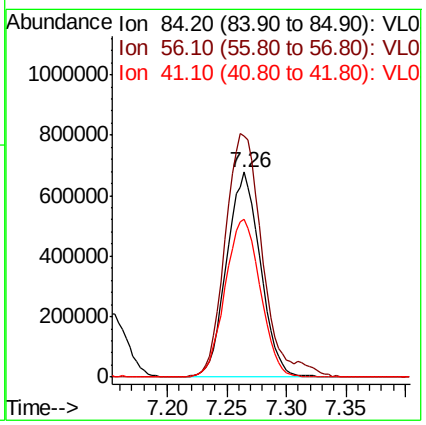


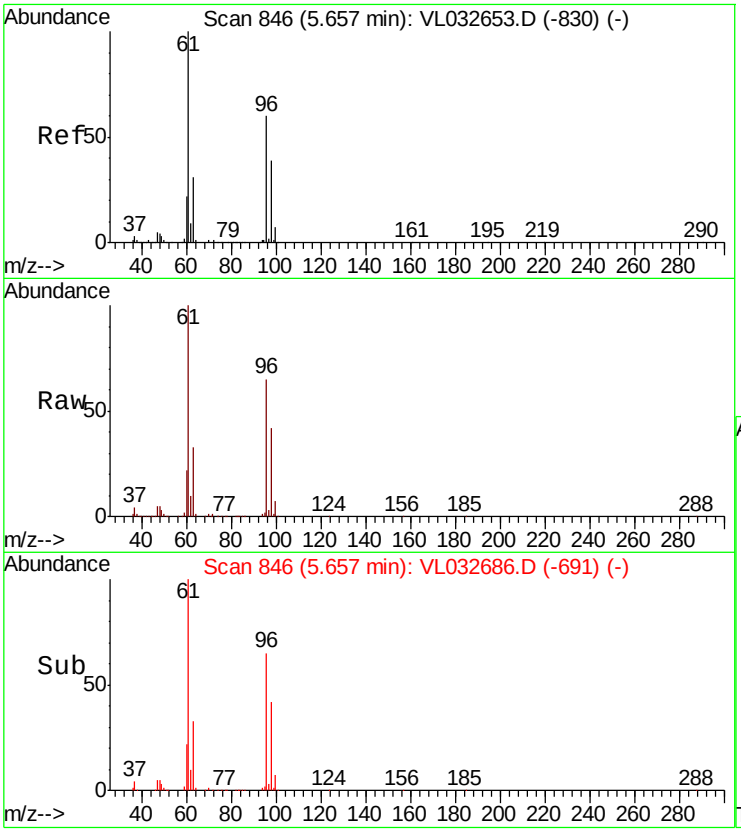


#30
Cyclohexane
Concen: 11.133 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 84 Resp: 1335124

Ion	Ratio	Lower	Upper
84	100		
56	131.1	108.3	162.5
41	80.3	64.8	97.2



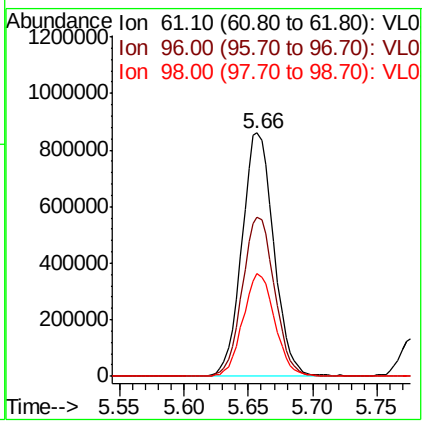


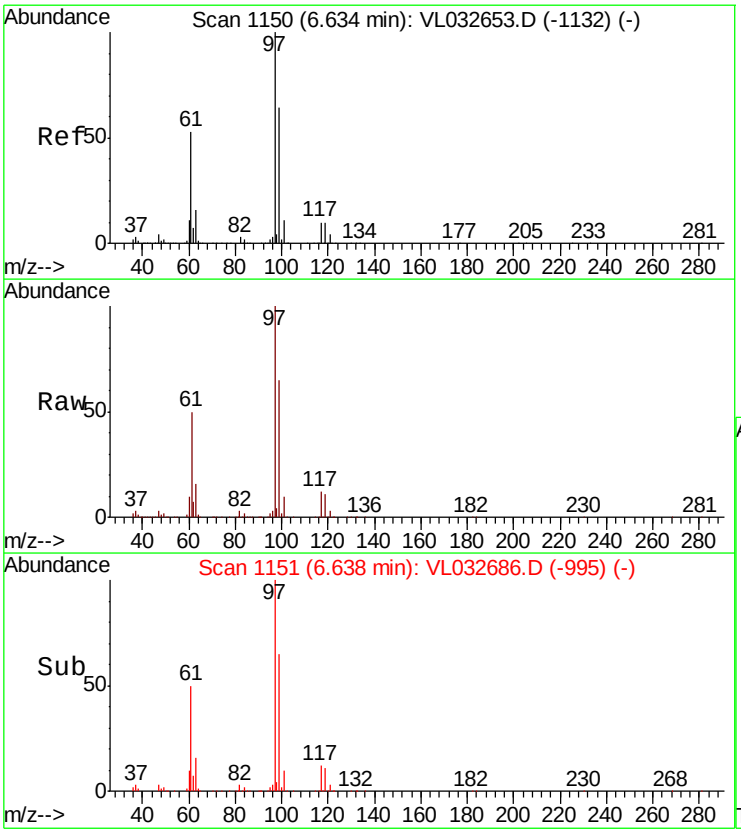
#31
cis-1,2-Dichloroethene
Concen: 10.538 ppbv
RT: 5.66 min Scan# 846
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 61 Resp: 1480366

Ion	Ratio	Lower	Upper
61	100		
96	65.3	51.8	77.6
98	42.3	33.8	50.6

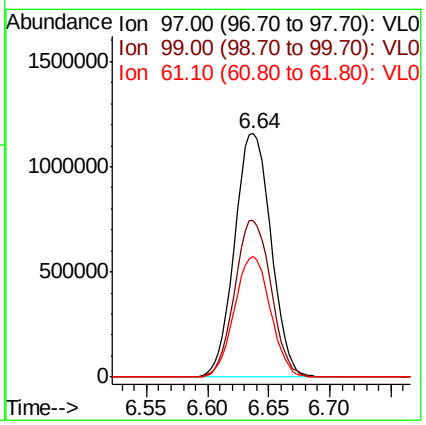


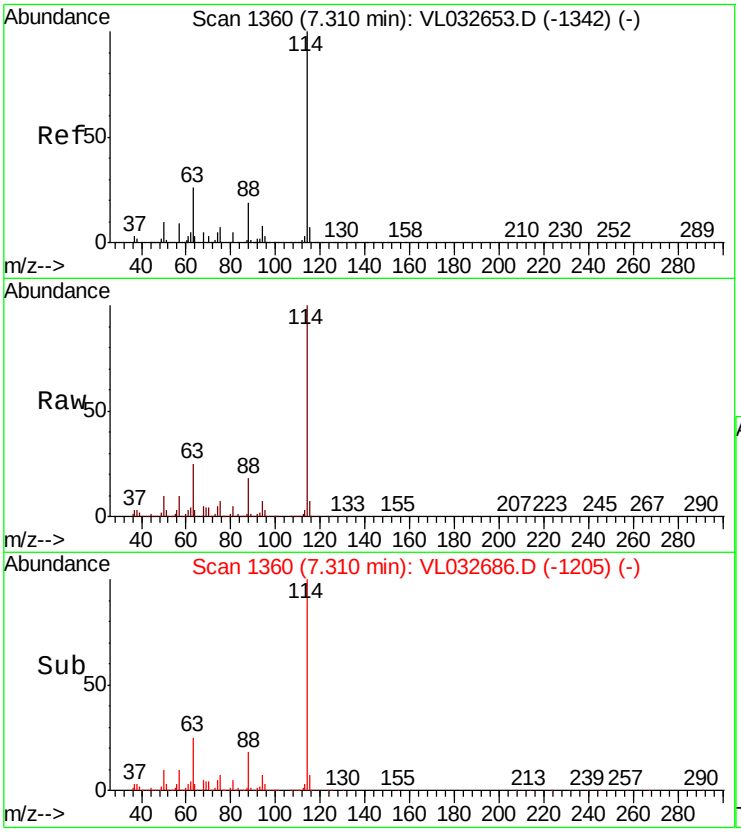


#32
1,1,1-Trichloroethane
Concen: 9.725 ppbv
RT: 6.64 min Scan# 1151
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 97 Resp: 2391767

Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.0	78.0
61	49.2	40.7	61.1



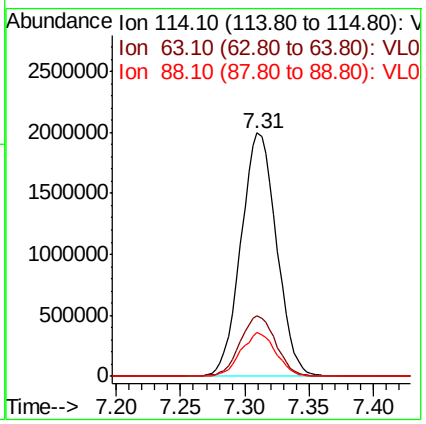


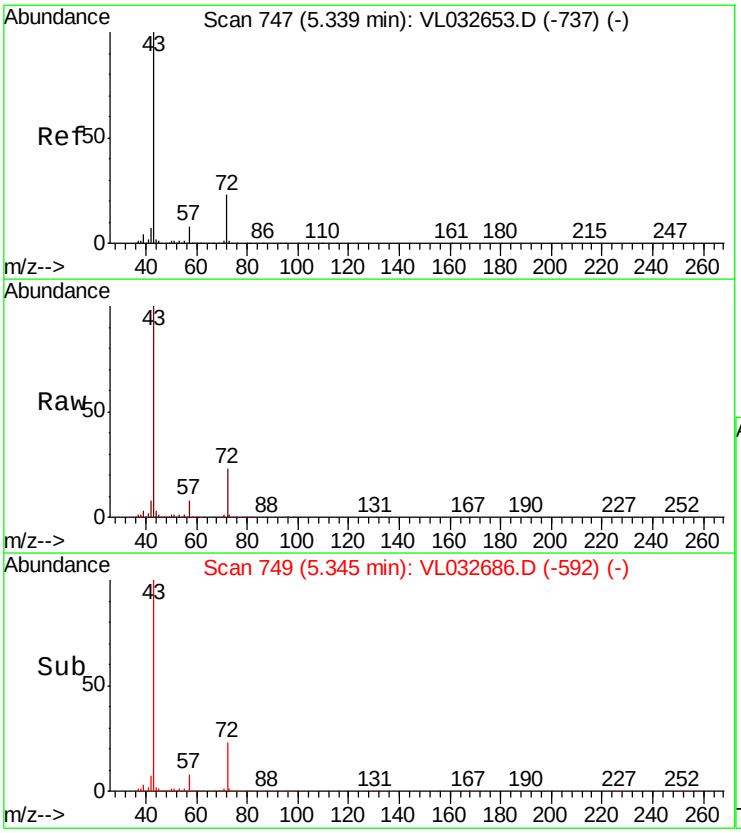
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.31 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 3831087

Ion	Ratio	Lower	Upper
114	100		
63	25.1	21.7	32.5
88	17.7	14.9	22.3

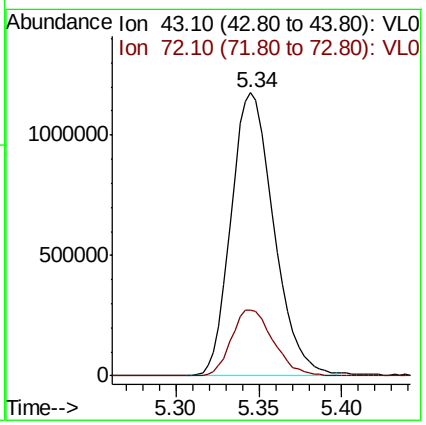


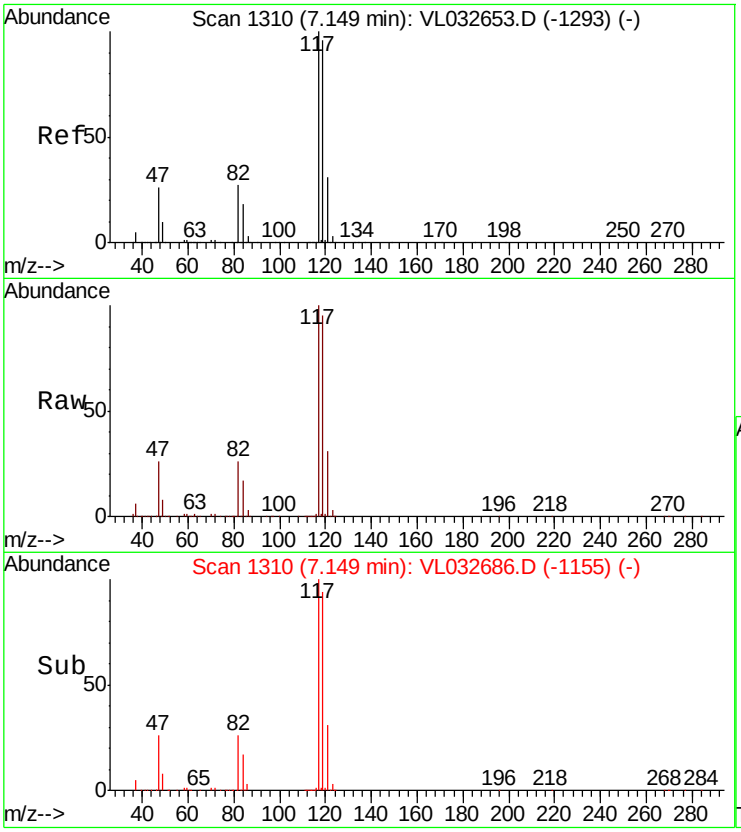


#34
2-Butanone
Concen: 10.232 ppbv
RT: 5.34 min Scan# 749
Delta R.T. 0.01 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 43 Resp: 2101279

Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.6	27.8



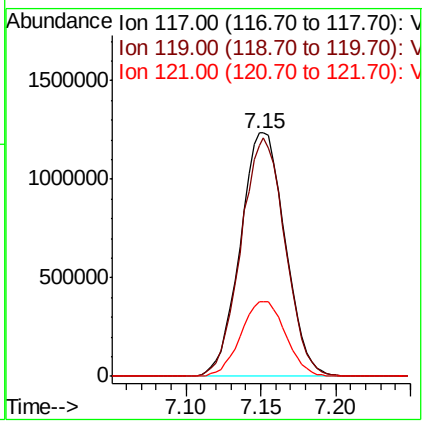


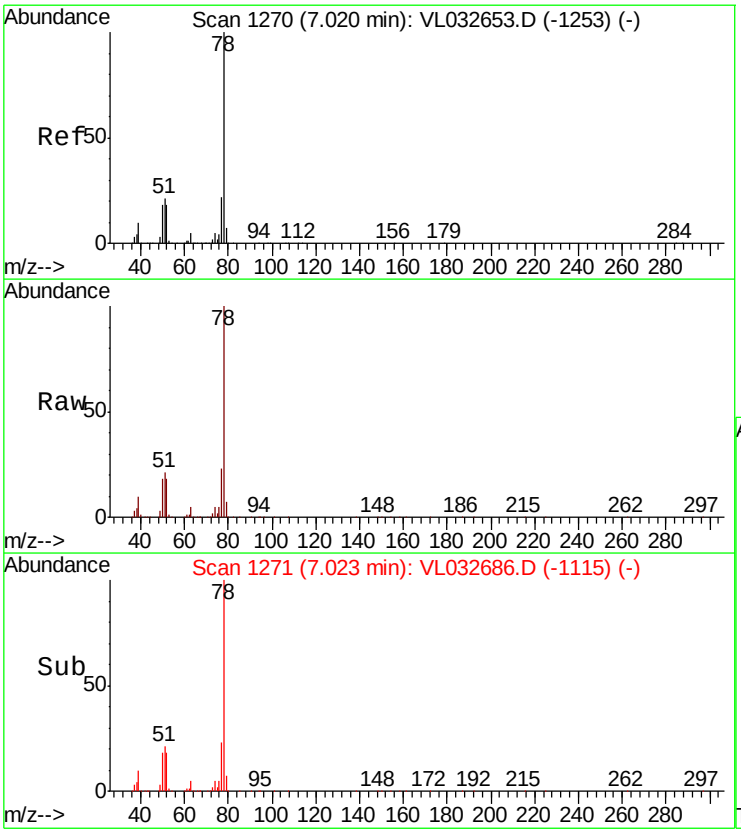
#35
Carbon Tetrachloride
Concen: 9.492 ppbv
RT: 7.15 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2580855

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.7	113.5
121	30.8	24.7	37.1

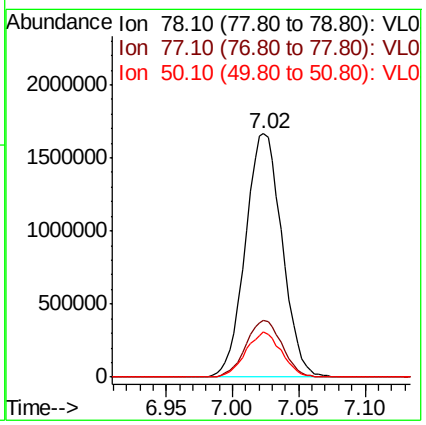


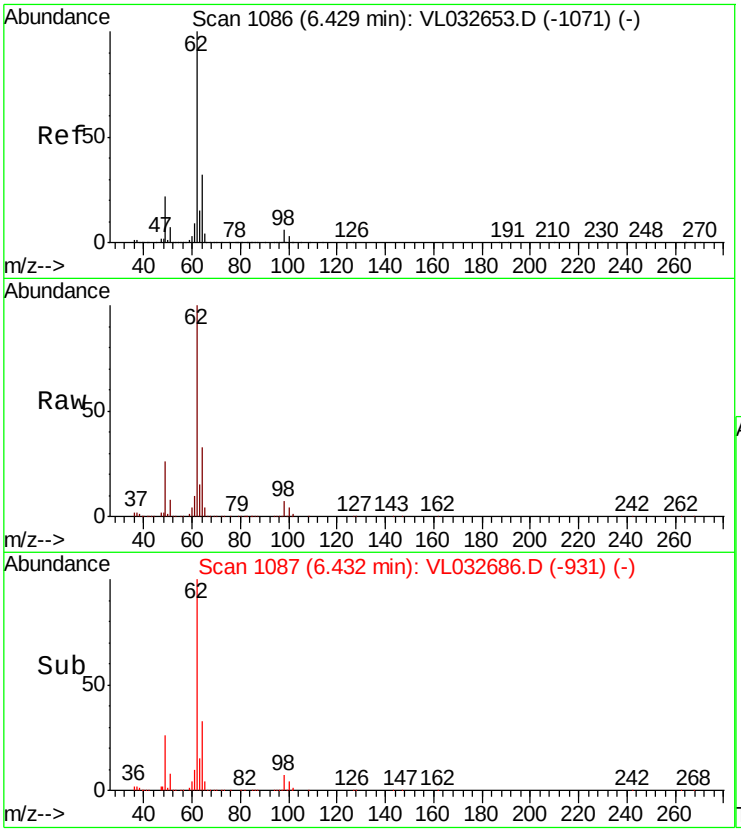


#36
Benzene
Concen: 10.273 ppbv
RT: 7.02 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 78 Resp: 3195975

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.1	27.1
50	18.5	15.1	22.7



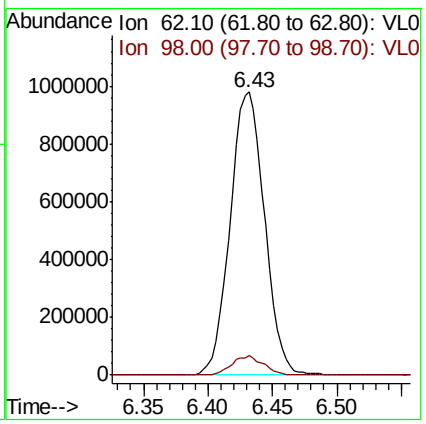


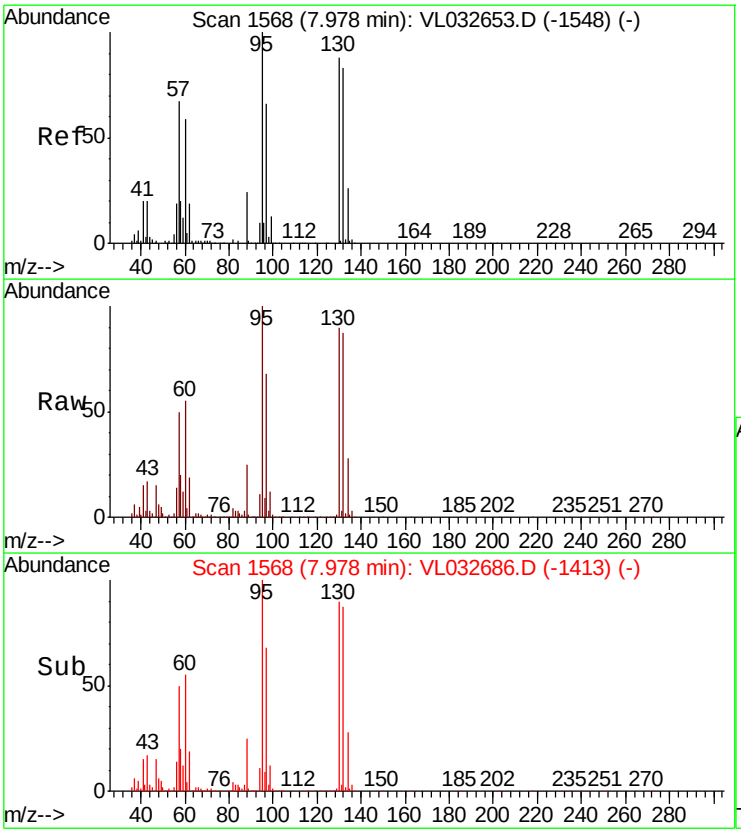
#37
1,2-Dichloroethane
Concen: 9.518 ppbv
RT: 6.43 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 1816258

Ion	Ratio	Lower	Upper
62	100		
98	6.4	4.4	6.6

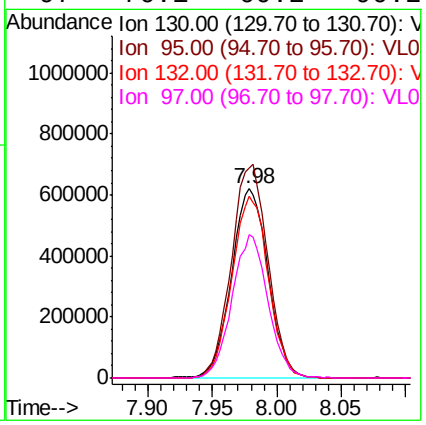


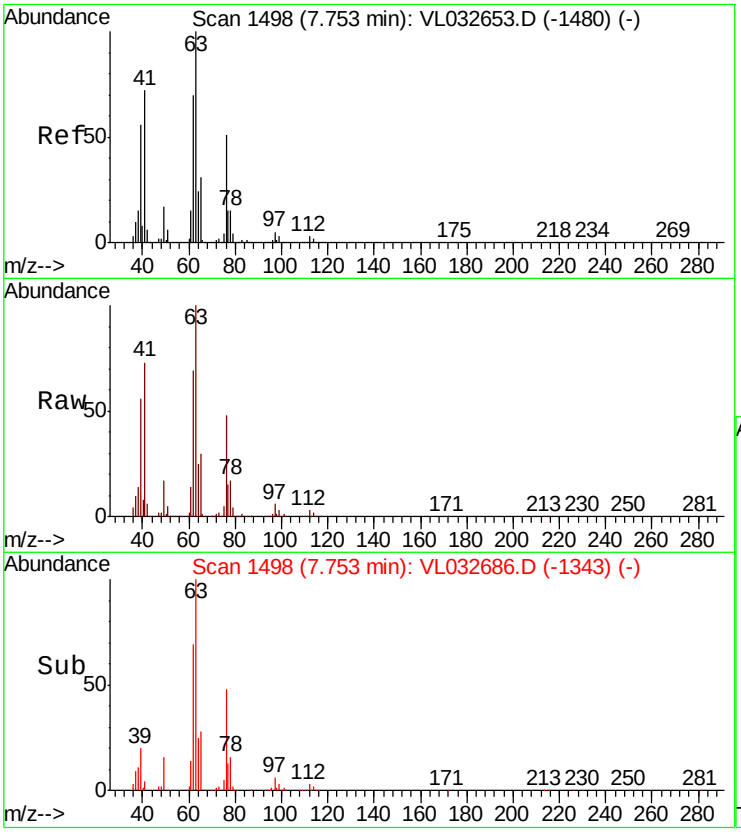


#38
Trichloroethene
Concen: 10.608 ppbv
RT: 7.98 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion:130 Resp: 1221691

Ion	Ratio	Lower	Upper
130	100		
95	111.1	93.4	140.0
132	96.3	76.5	114.7
97	76.1	60.2	90.2



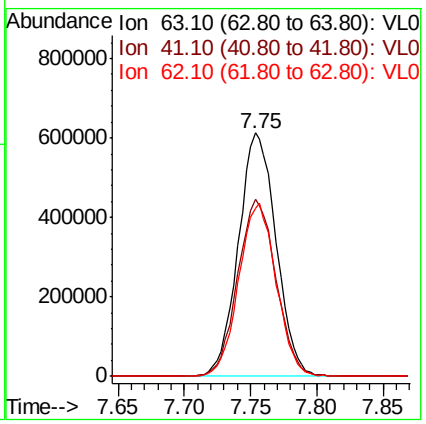


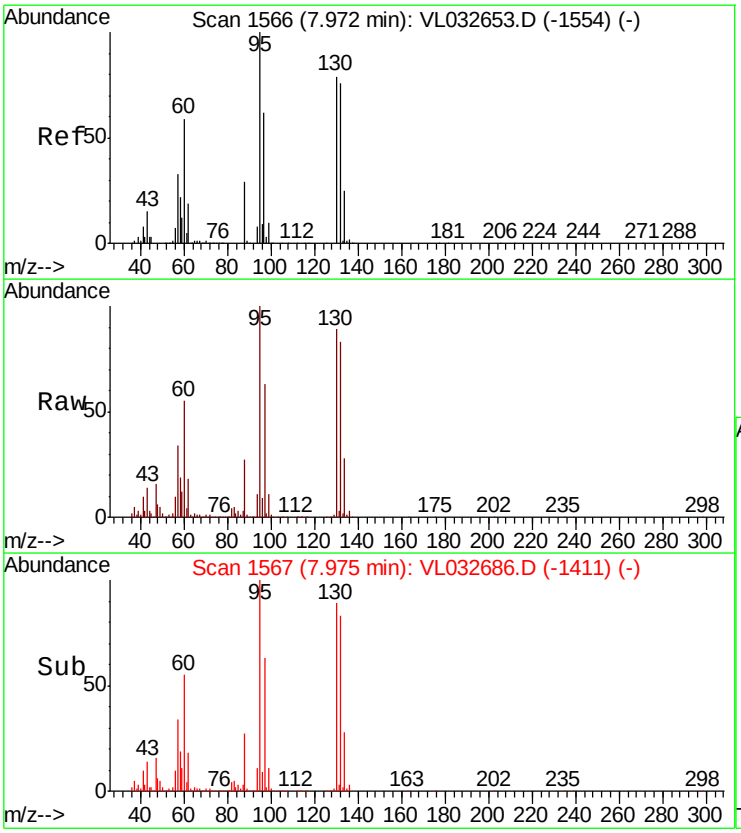
#39
1,2-Dichloropropane
Concen: 10.061 ppbv
RT: 7.75 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 1208709

Ion	Ratio	Lower	Upper
63	100		
41	73.0	56.2	84.4
62	68.9	54.4	81.6

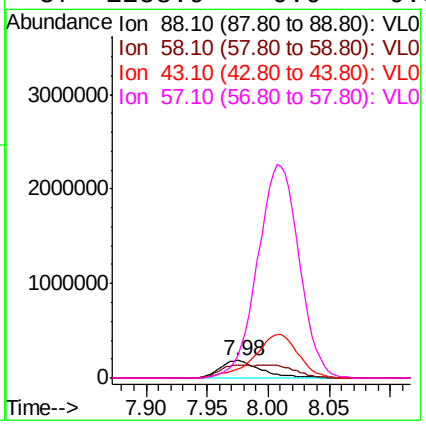


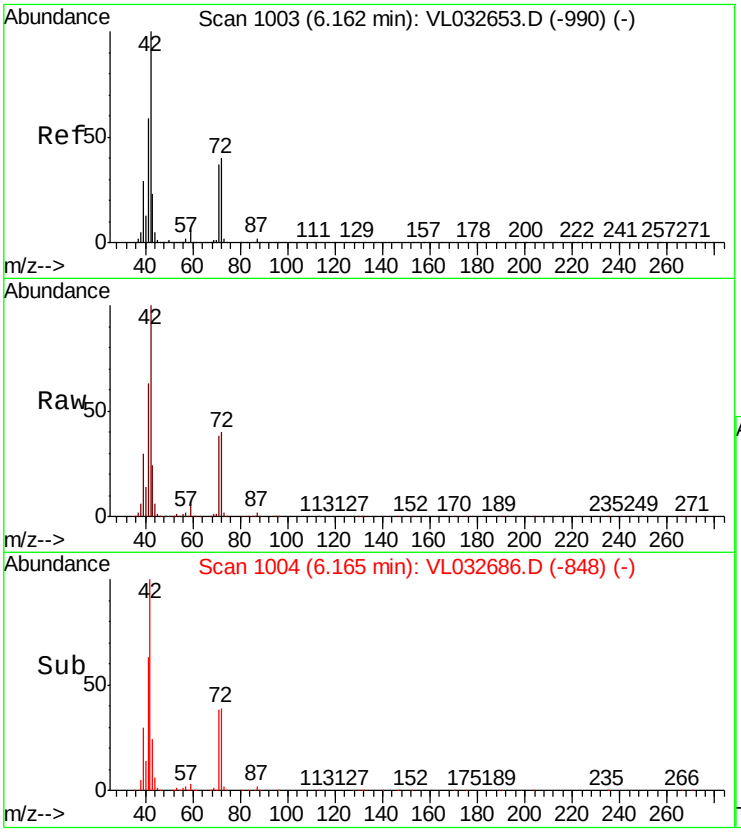


#40
1,4-Dioxane
Concen: 10.383 ppbv
RT: 7.98 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 88 Resp: 426001

Ion	Ratio	Lower	Upper
88	100		
58	130.7	104.0	156.0
43	274.4	0.0	0.0#
57	1258.9	0.0	0.0#



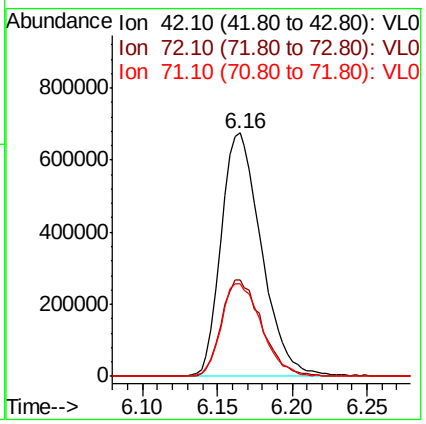


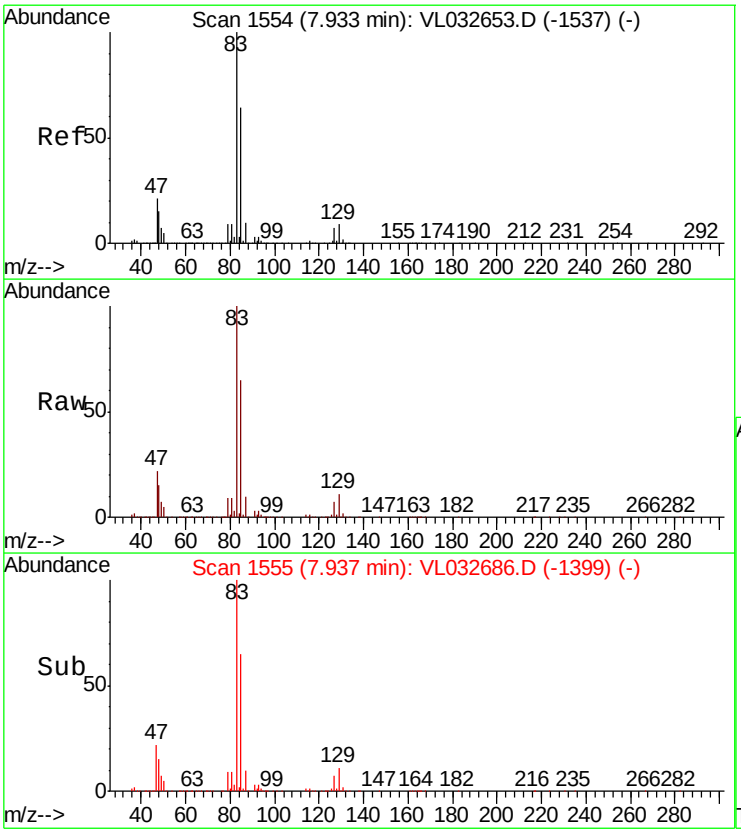
#41
Tetrahydrofuran
Concen: 11.055 ppbv
RT: 6.16 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 42 Resp: 1265130

Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.4	48.6
71	38.5	31.3	46.9

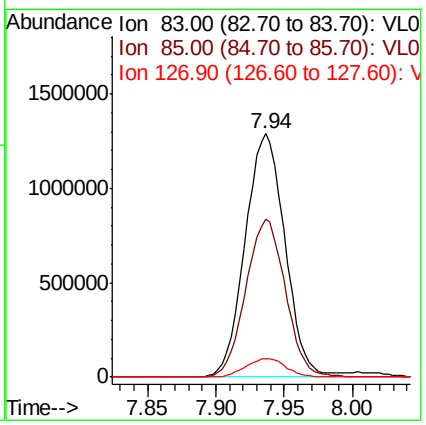


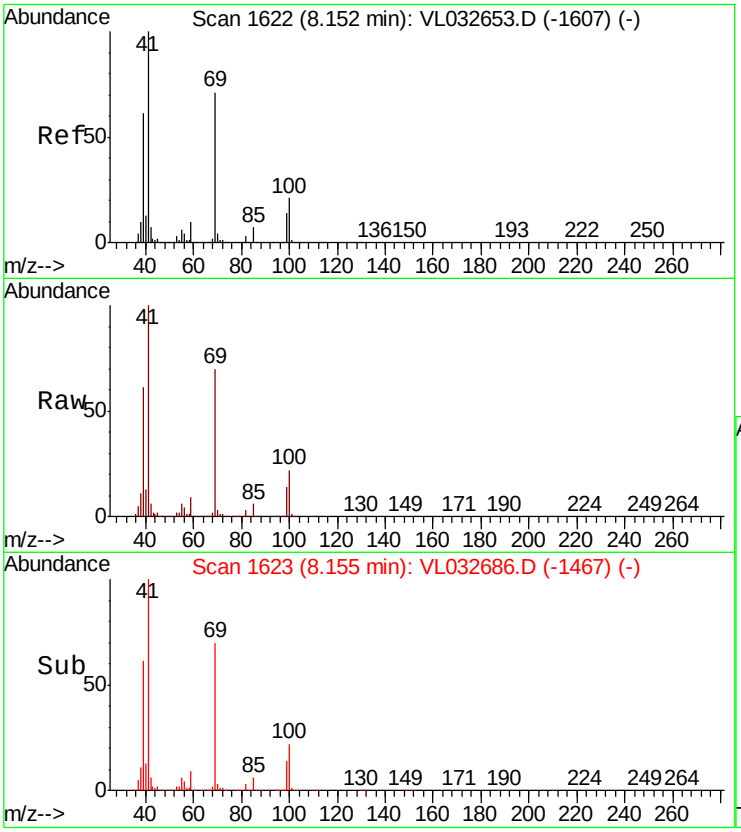


#42
Bromodichloromethane
Concen: 9.755 ppbv
RT: 7.94 min Scan# 1555
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 83 Resp: 2608031

Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.4	78.6
127	7.3	6.1	9.1



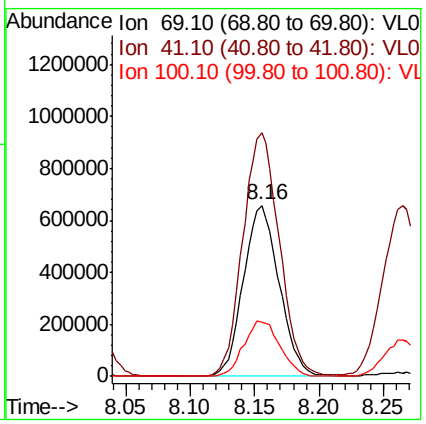


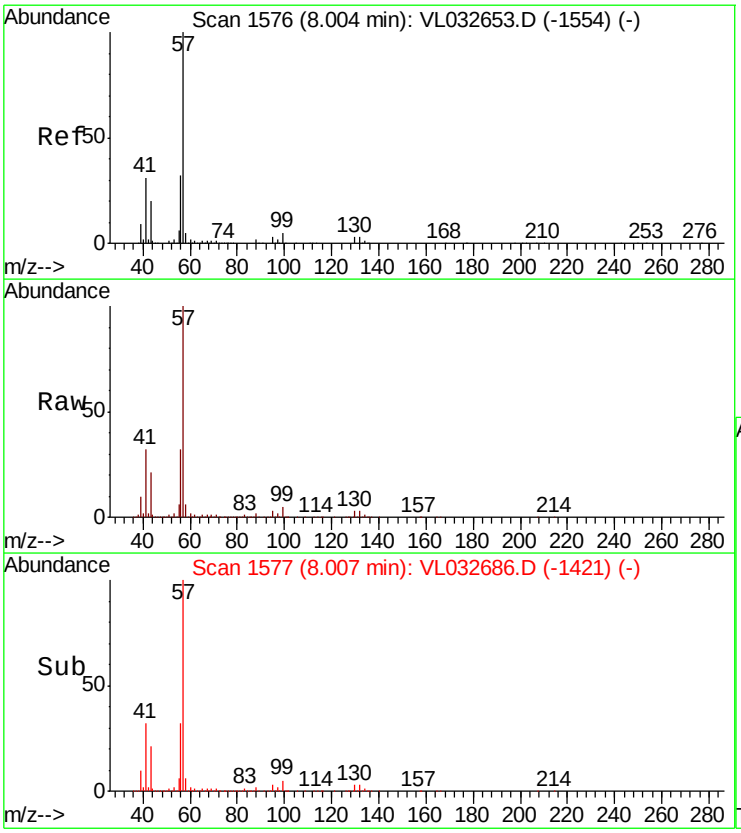
#43
Methyl Methacrylate
Concen: 11.161 ppbv
RT: 8.16 min Scan# 1623
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 1272514

Ion	Ratio	Lower	Upper
69	100		
41	145.1	113.2	169.8
100	32.8	24.4	36.6

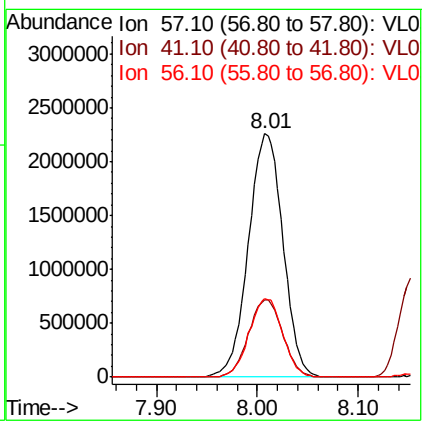


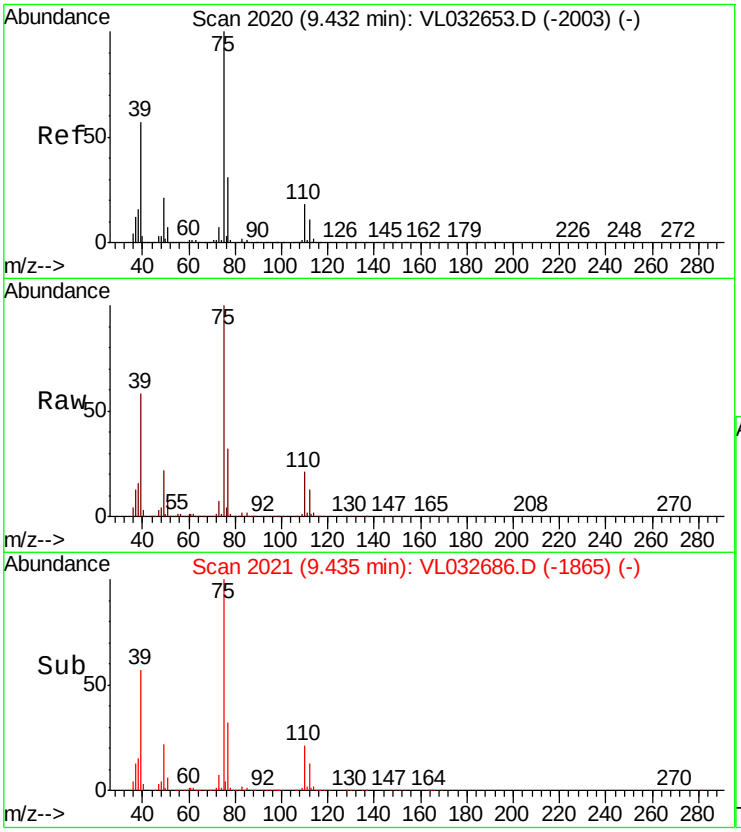


#44
2,2,4-Trimethylpentane
Concen: 10.086 ppbv
RT: 8.01 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 57 Resp: 5356444

Ion	Ratio	Lower	Upper
57	100		
41	31.6	24.7	37.1
56	31.3	25.0	37.4



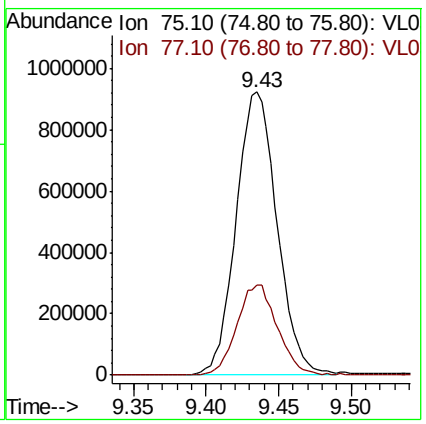


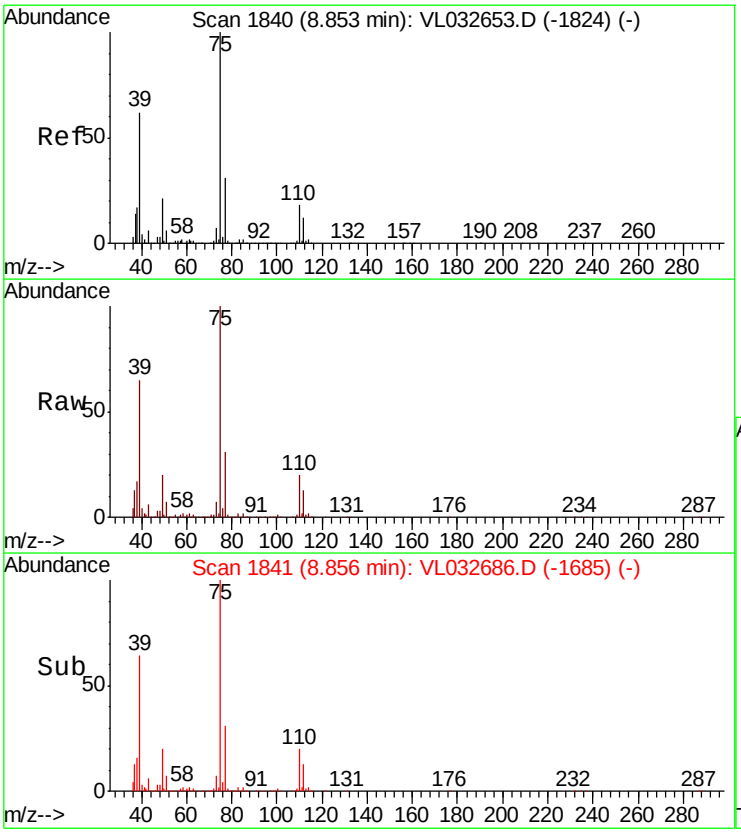
#45
t-1,3-Dichloropropene
Concen: 11.869 ppbv
RT: 9.43 min Scan# 2021
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1811386

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.3	37.9

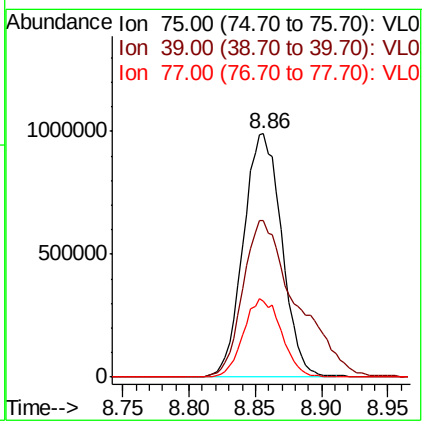


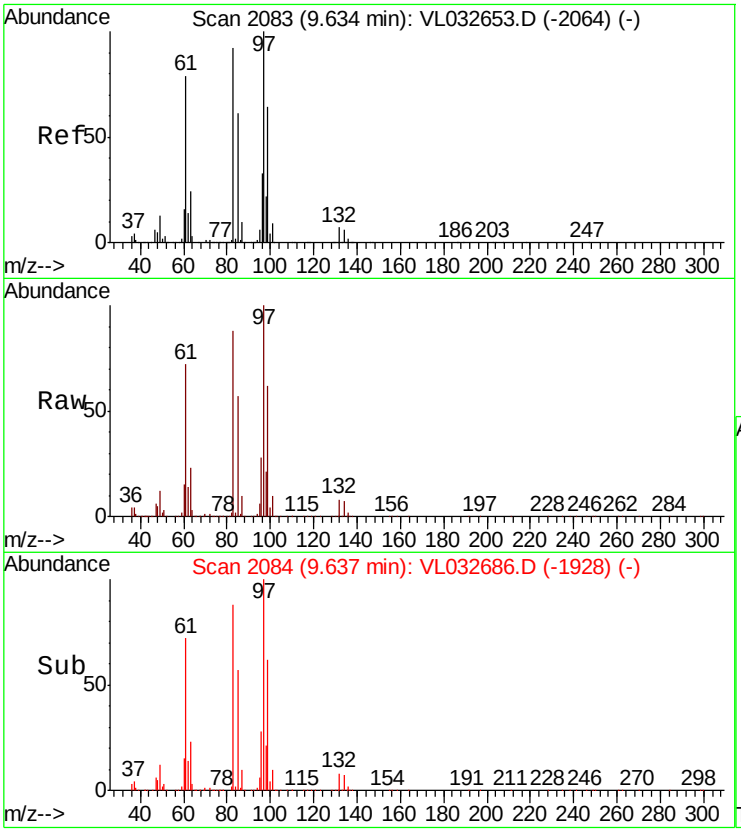


#46
cis-1,3-Dichloropropene
Concen: 11.425 ppbv
RT: 8.86 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 75 Resp: 1992268

Ion	Ratio	Lower	Upper
75	100		
39	64.5	50.9	76.3
77	31.4	25.8	38.6



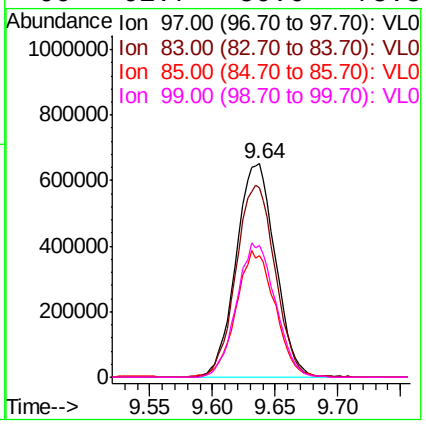


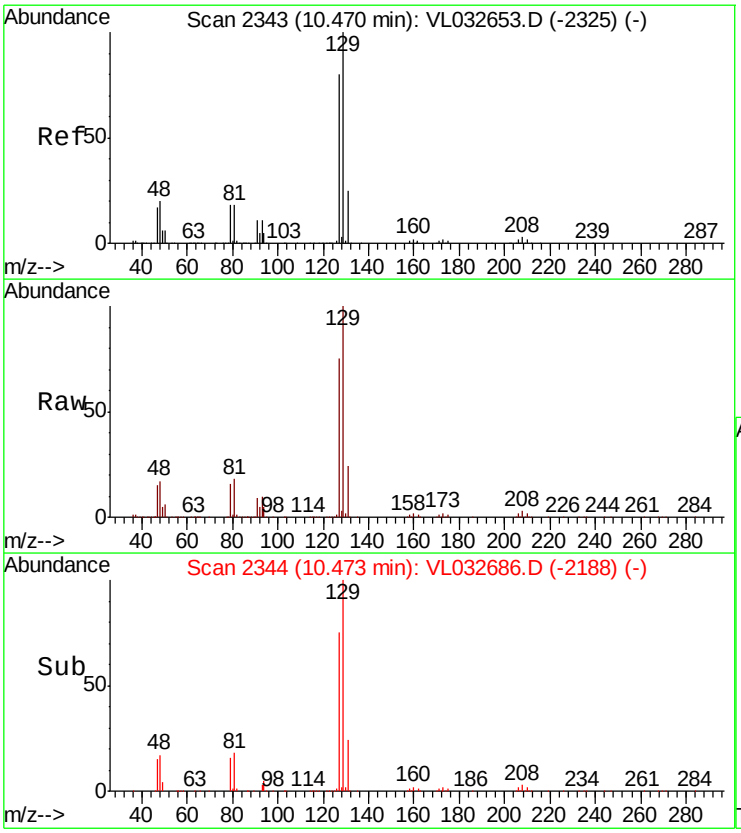
#47
1,1,2-Trichloroethane
Concen: 10.013 ppbv
RT: 9.64 min Scan# 2084
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 1421443

Ion	Ratio	Lower	Upper
97	100		
83	88.4	73.5	110.3
85	56.6	45.8	68.6
99	61.7	50.6	75.8

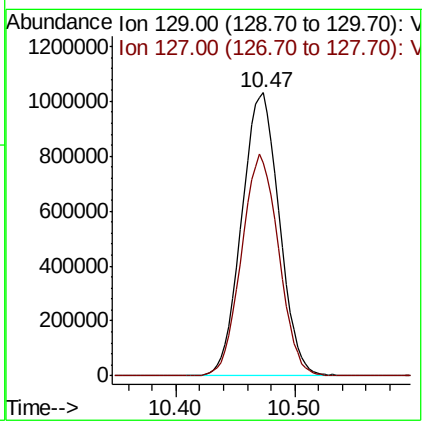


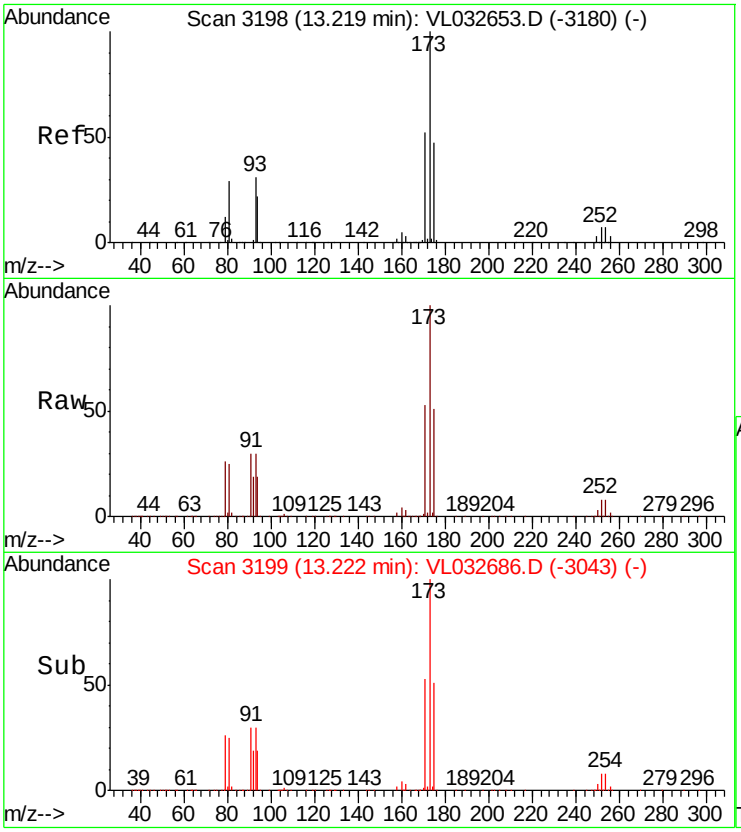


#48
Dibromochloromethane
Concen: 9.538 ppbv
RT: 10.47 min Scan# 2344
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion:129 Resp: 2256782

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.5



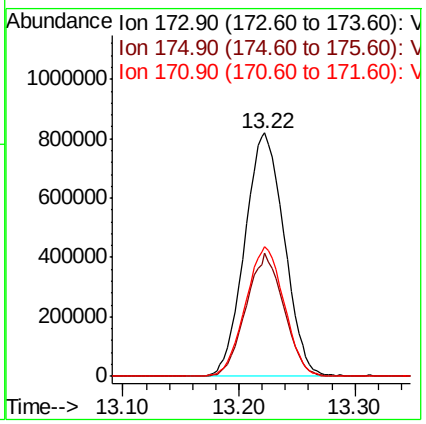


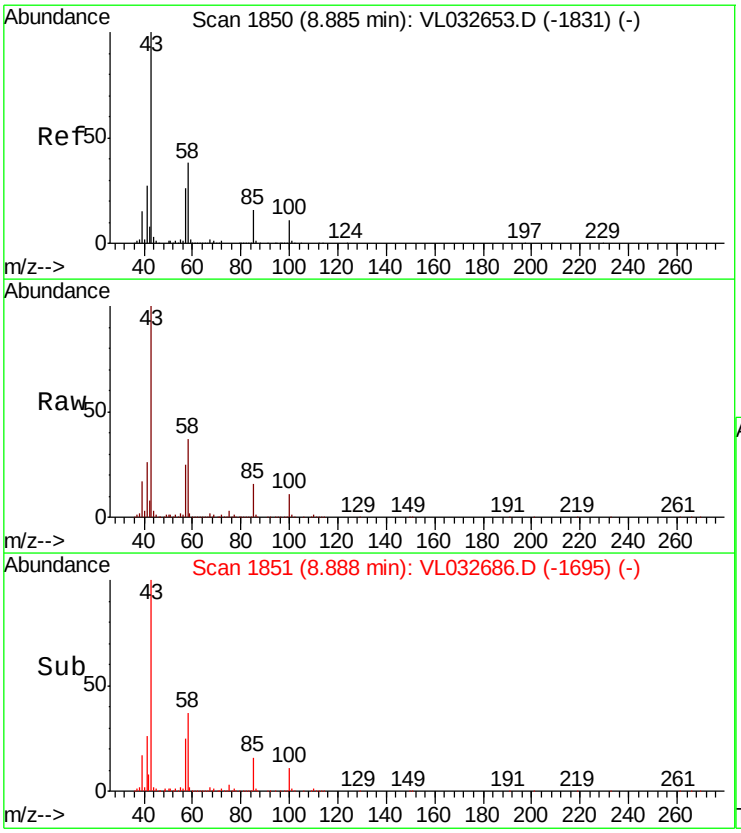
#49
Bromoform
Concen: 10.450 ppbv
RT: 13.22 min Scan# 3199
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1943113

Ion	Ratio	Lower	Upper
173	100		
175	48.5	39.0	58.4
171	52.3	42.2	63.2

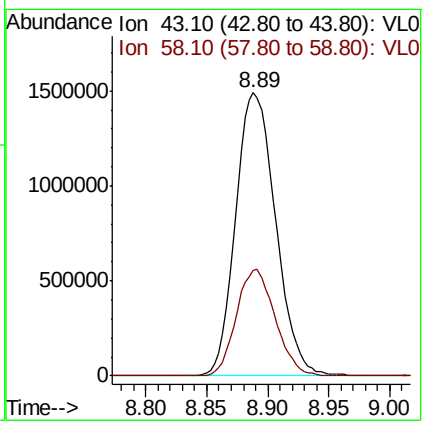


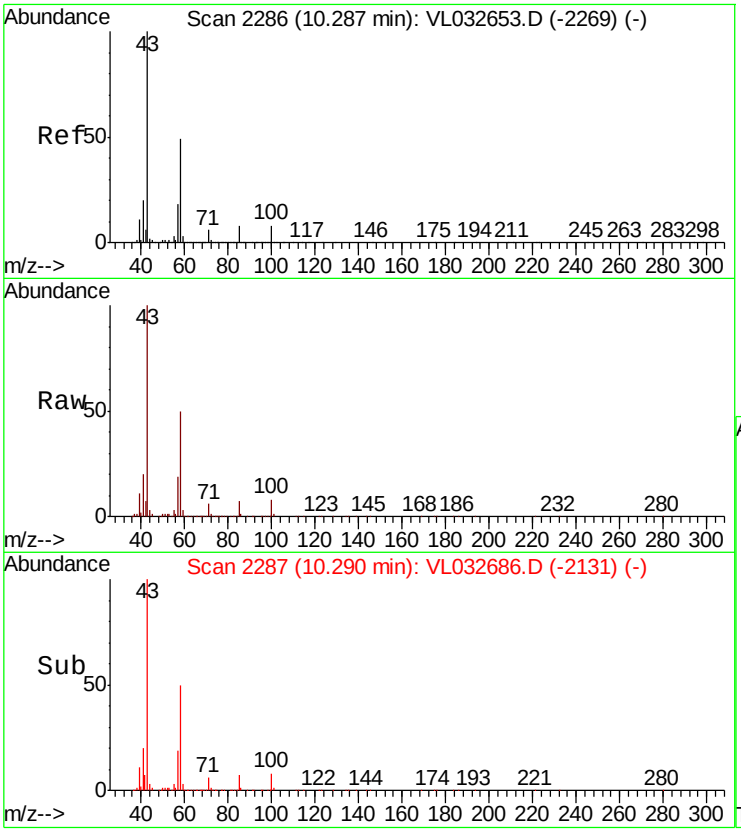


#50
4-Methyl-2-Pentanone
Concen: 11.083 ppbv
RT: 8.89 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 43 Resp: 3372143

Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.7	44.5



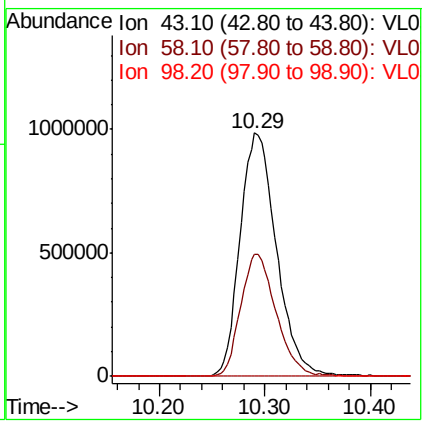


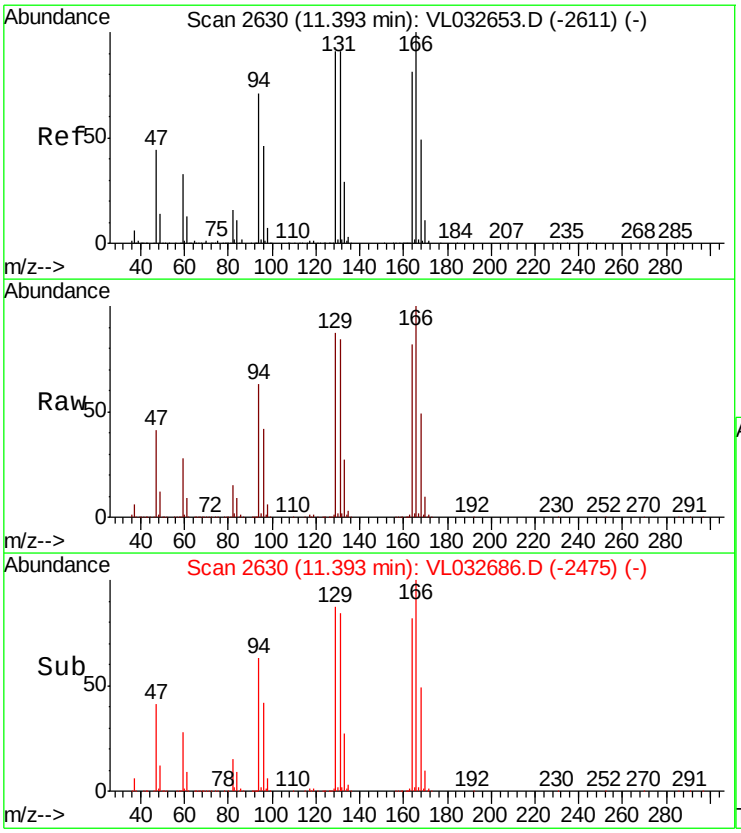
#51
2-Hexanone
Concen: 10.463 ppbv
RT: 10.29 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2366455

Ion	Ratio	Lower	Upper
43	100		
58	49.1	40.4	60.6
98	0.4	0.4	0.6#

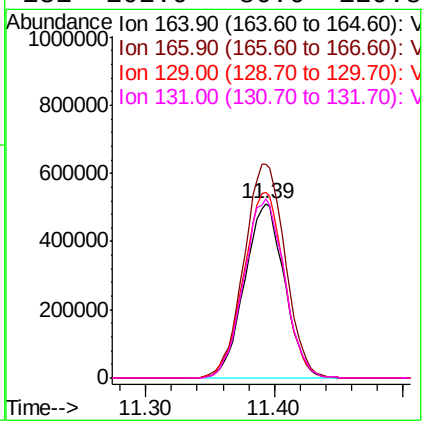


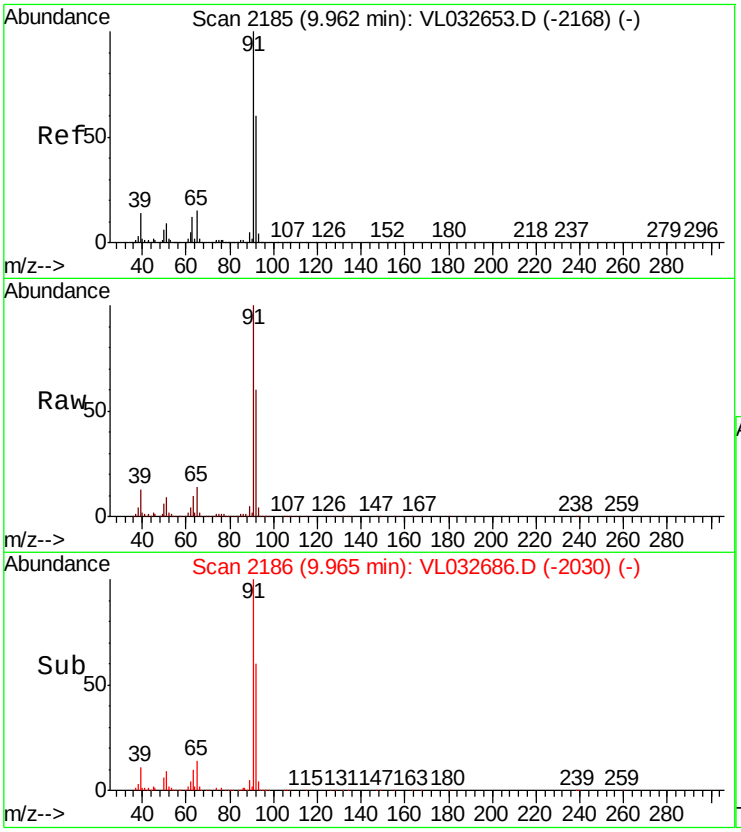


#52
Tetrachloroethene
Concen: 10.123 ppbv
RT: 11.39 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion:164 Resp: 1097955

Ion	Ratio	Lower	Upper
164	100		
166	122.6	100.5	150.7
129	106.7	90.0	135.0
131	102.9	86.6	129.8



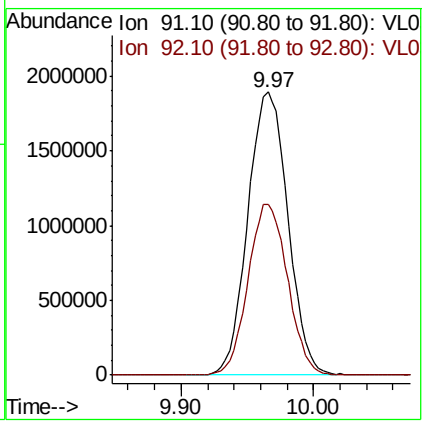


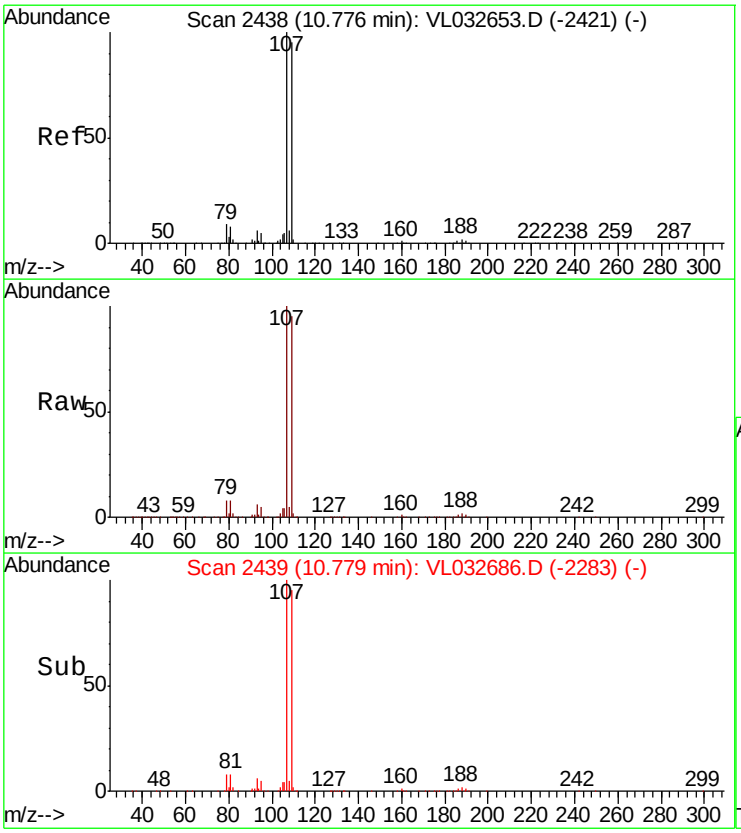
#53
Toluene
Concen: 11.178 ppbv
RT: 9.97 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 3986403

Ion	Ratio	Lower	Upper
91	100		
92	59.7	48.4	72.6

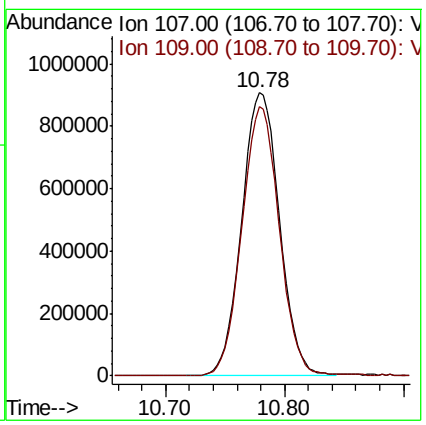


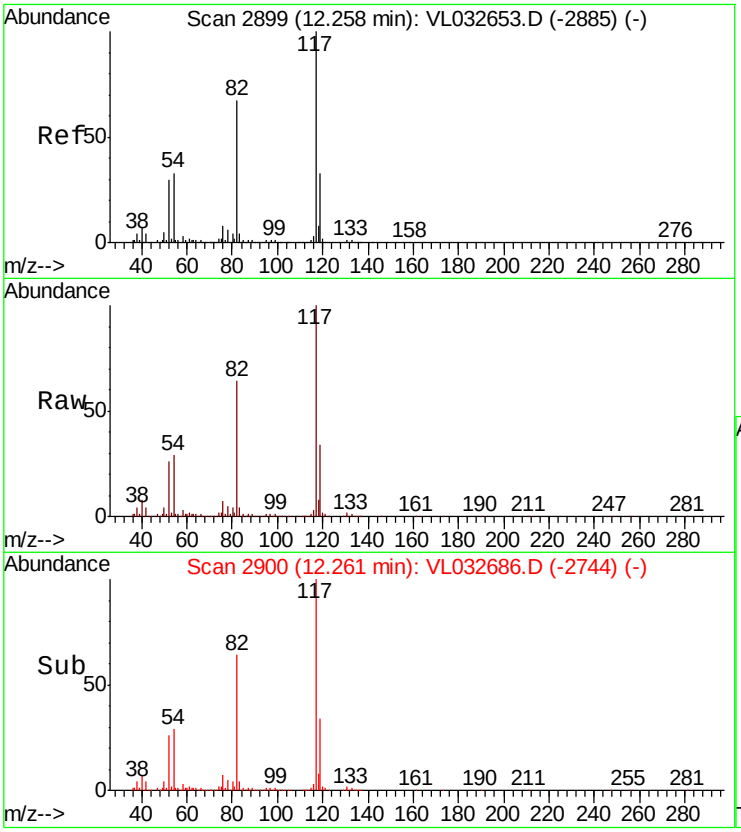


#54
1,2-Dibromoethane
Concen: 10.344 ppbv
RT: 10.78 min Scan# 2439
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion:107 Resp: 1995823

Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.3	112.9



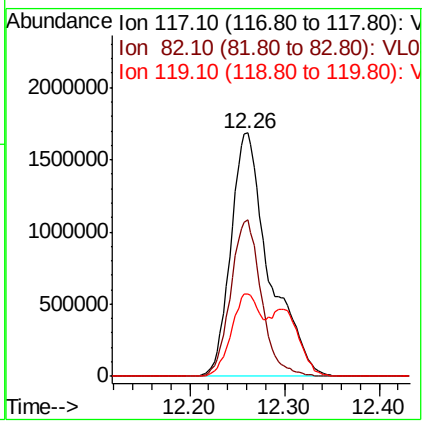


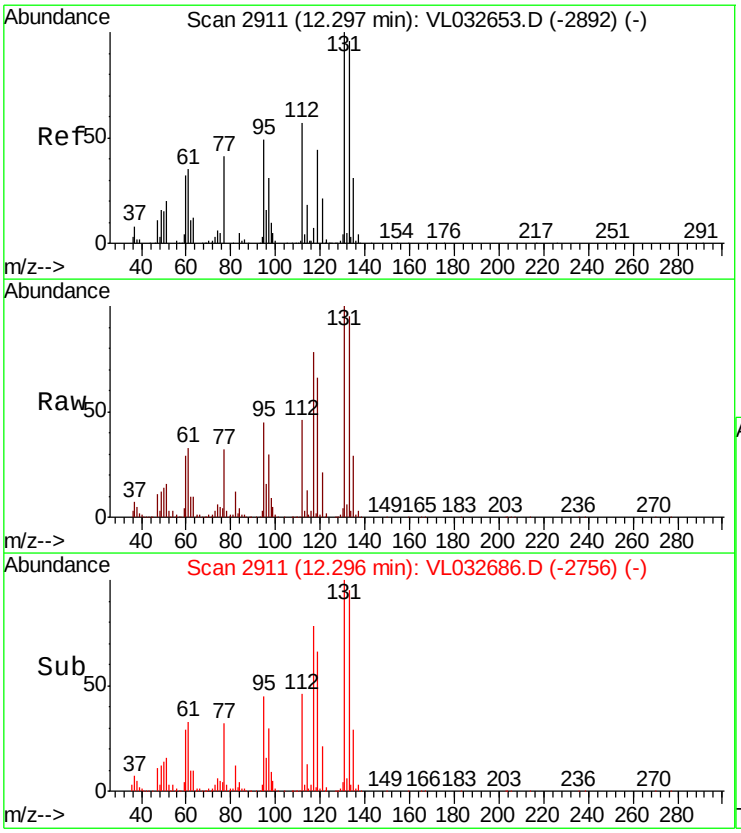
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.26 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 4757271

Ion	Ratio	Lower	Upper
117	100		
82	51.6	52.7	79.1#
119	47.5	26.7	40.1#

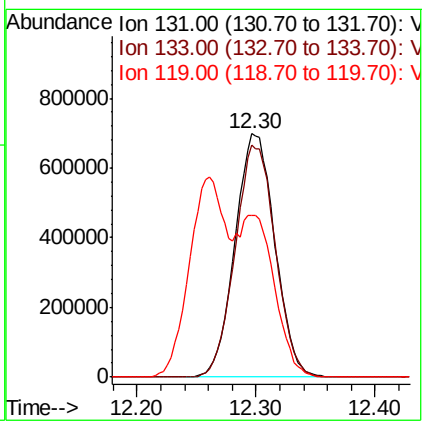


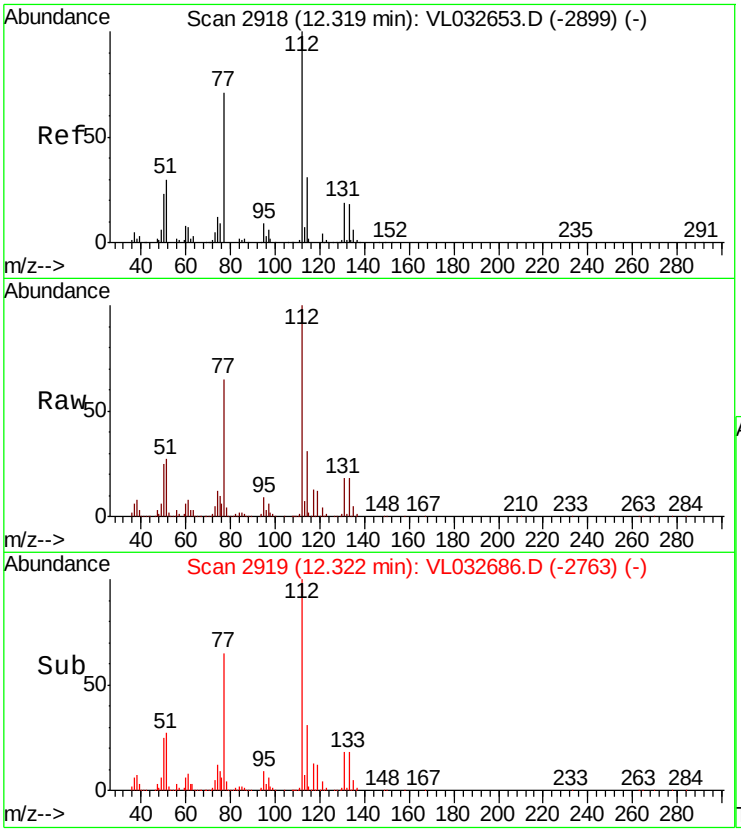


#56
1,1,1,2-Tetrachloroethane
Concen: 7.777 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion:131 Resp: 1617903

Ion	Ratio	Lower	Upper
131	100		
133	96.3	75.4	113.2
119	61.5	49.1	73.7



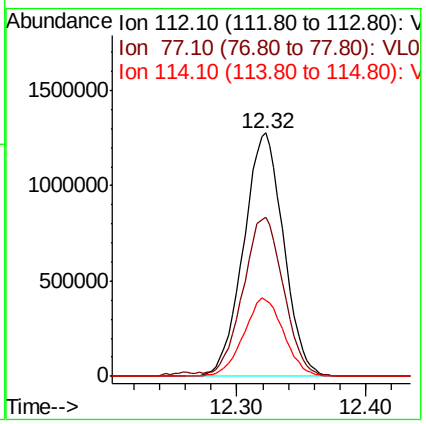


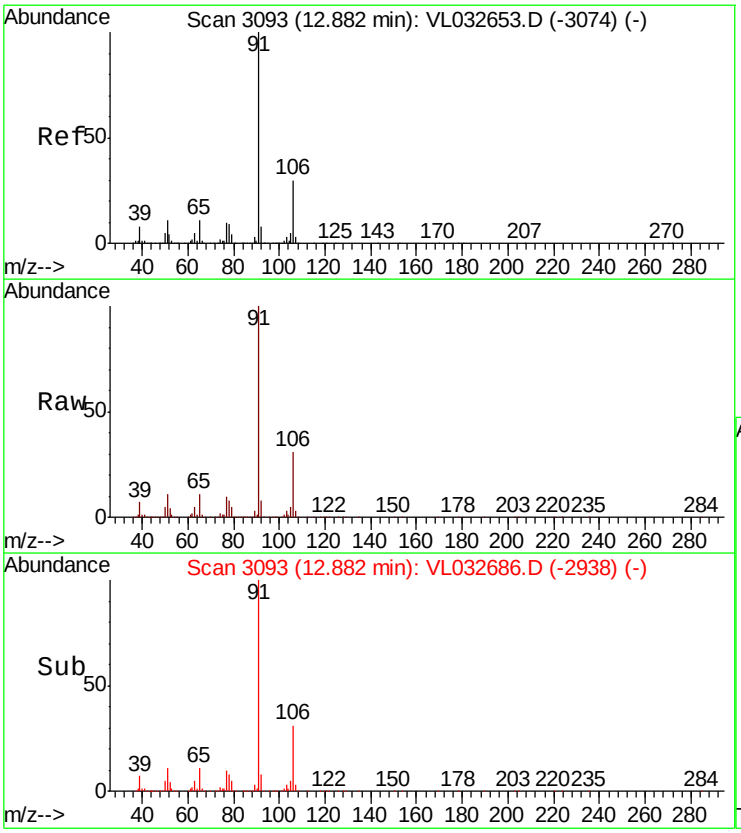
#57
Chlorobenzene
Concen: 7.882 ppbv
RT: 12.32 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 2757732

Ion	Ratio	Lower	Upper
112	100		
77	65.1	56.8	85.2
114	31.1	30.3	37.1

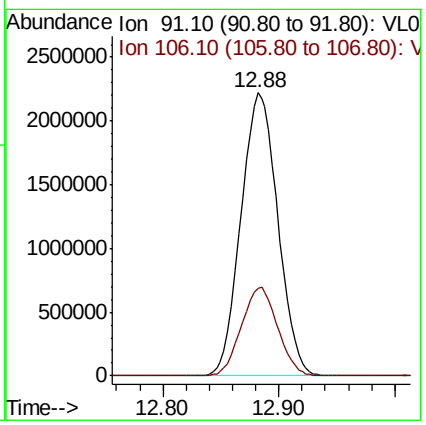


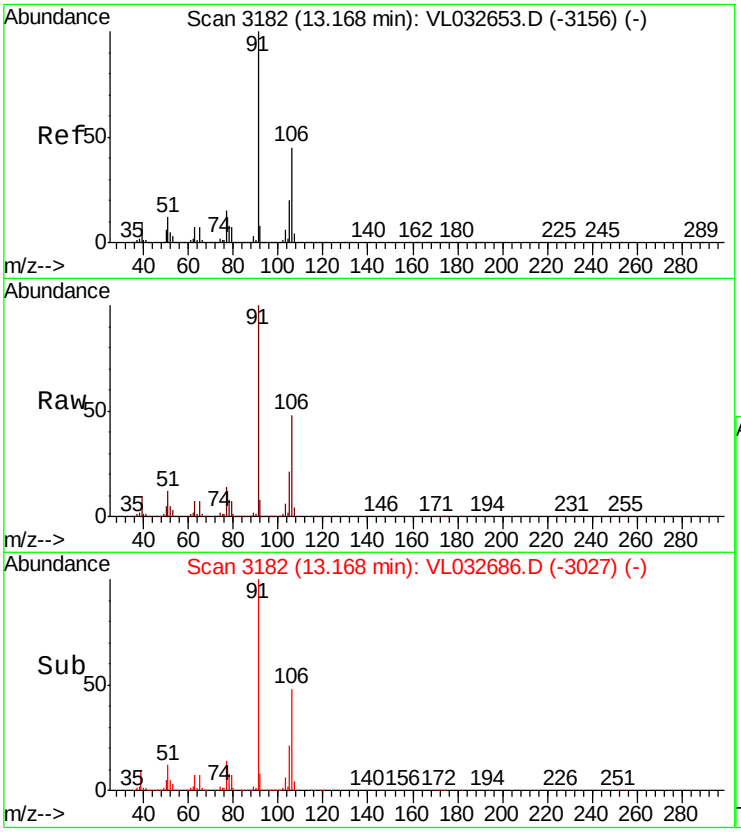


#58
Ethyl Benzene
Concen: 8.879 ppbv
RT: 12.88 min Scan# 3093
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 91 Resp: 4907271

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.2	36.2



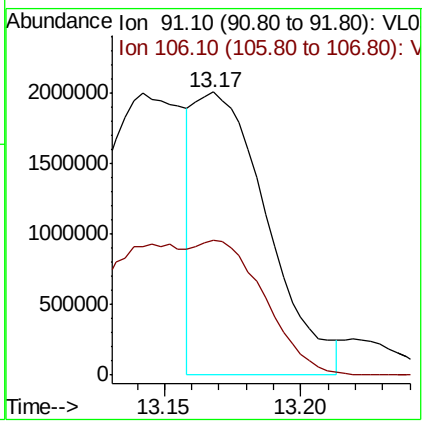


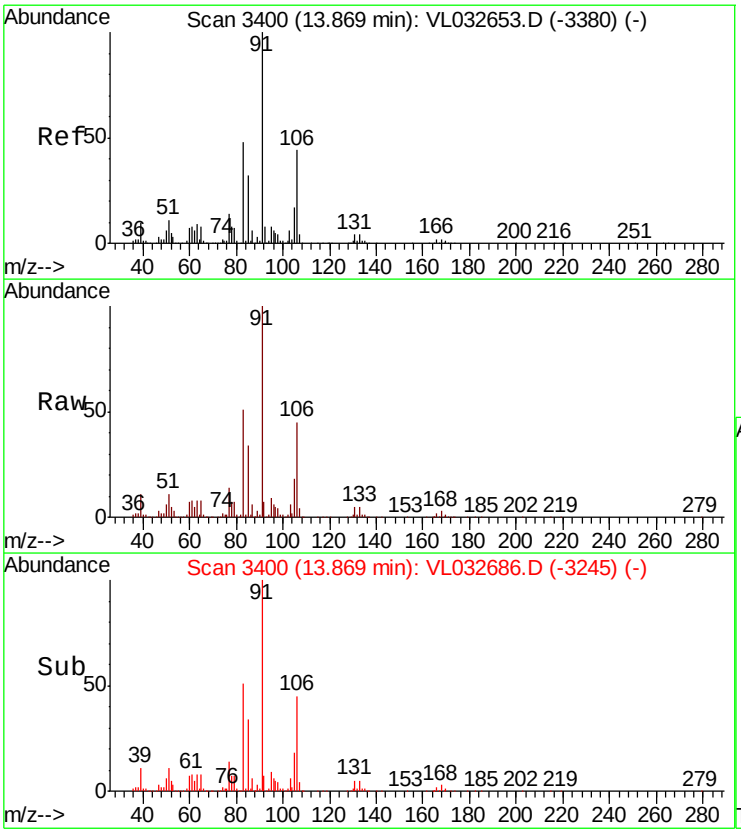
#59
m/p-Xylene
Concen: 7.564 ppbv
RT: 13.17 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 3722807

Ion	Ratio	Lower	Upper
91	100		
106	101.3	35.9	53.9#

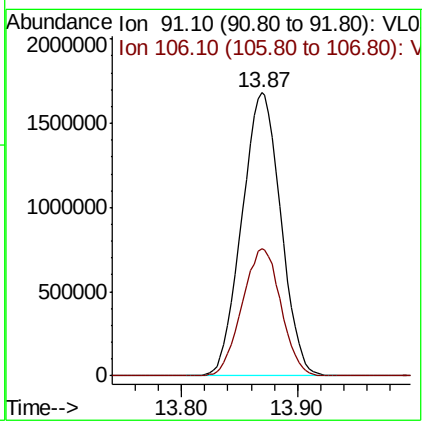


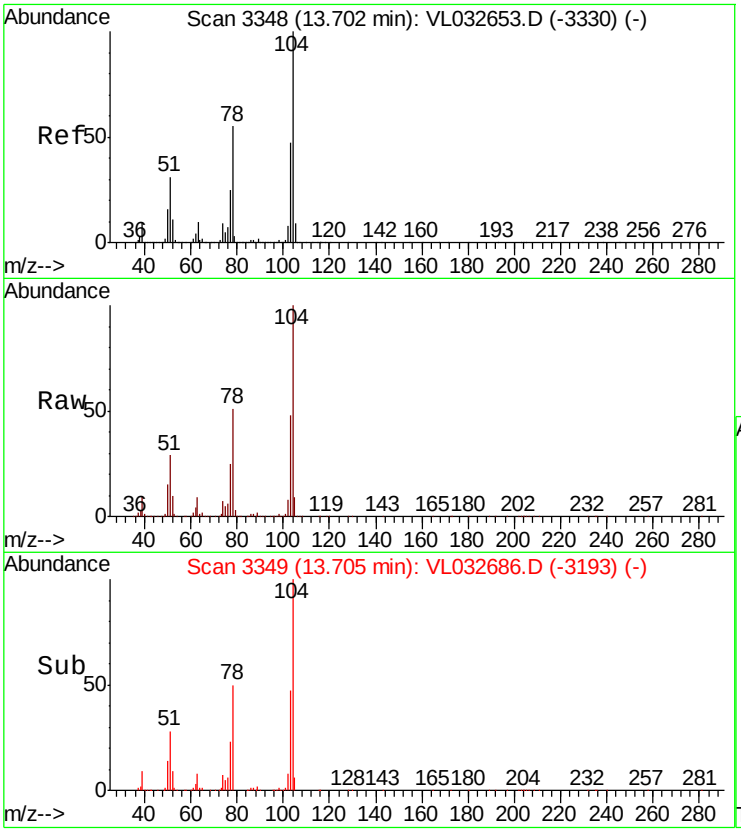


#60
o-Xylene
Concen: 8.268 ppbv
RT: 13.87 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 91 Resp: 3925282

Ion	Ratio	Lower	Upper
91	100		
106	44.9	22.1	66.1



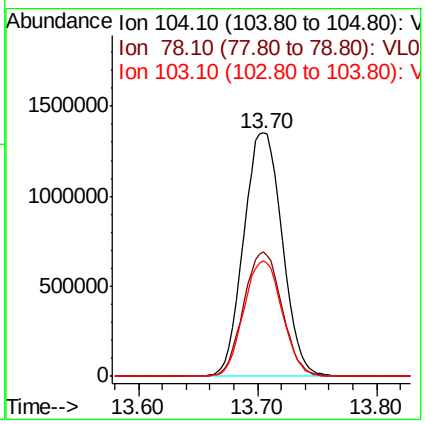


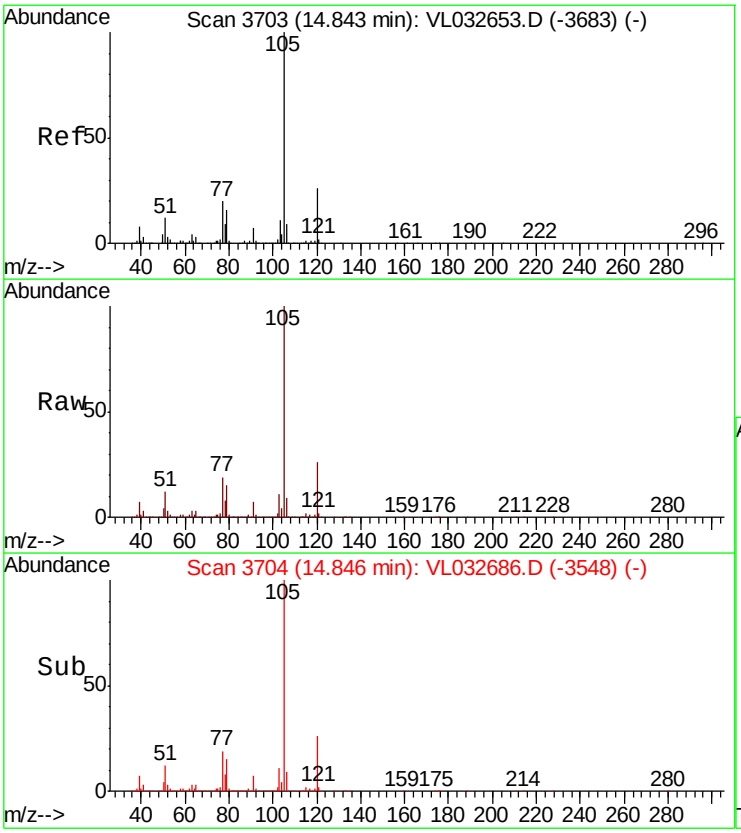
#61
Styrene
Concen: 9.557 ppbv
RT: 13.70 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 3042051

Ion	Ratio	Lower	Upper
104	100		
78	50.8	42.8	64.2
103	47.3	37.4	56.0

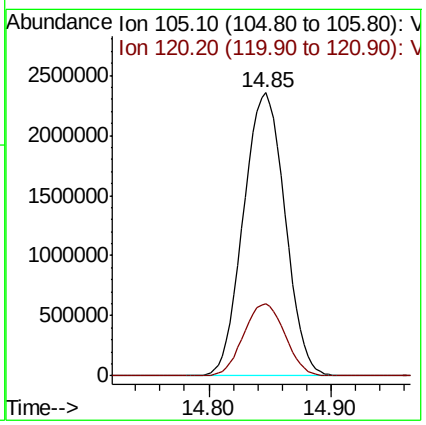


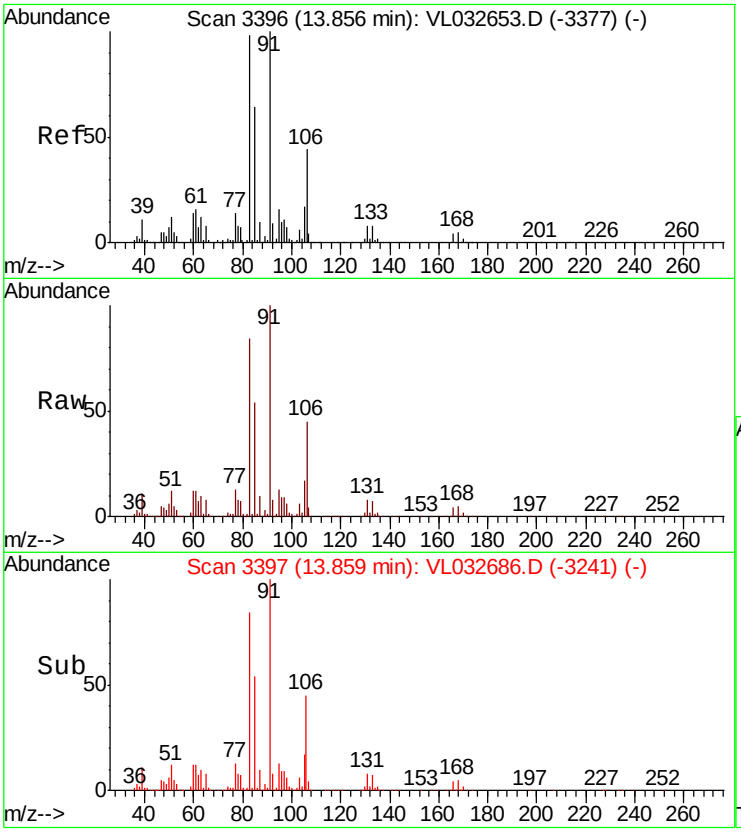


#62
Isopropylbenzene
Concen: 8.275 ppbv
RT: 14.85 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion:105 Resp: 5559642

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.5	30.7



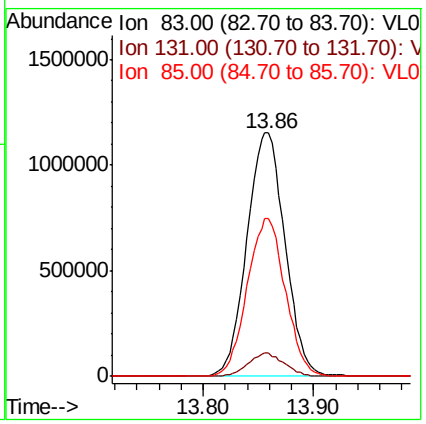


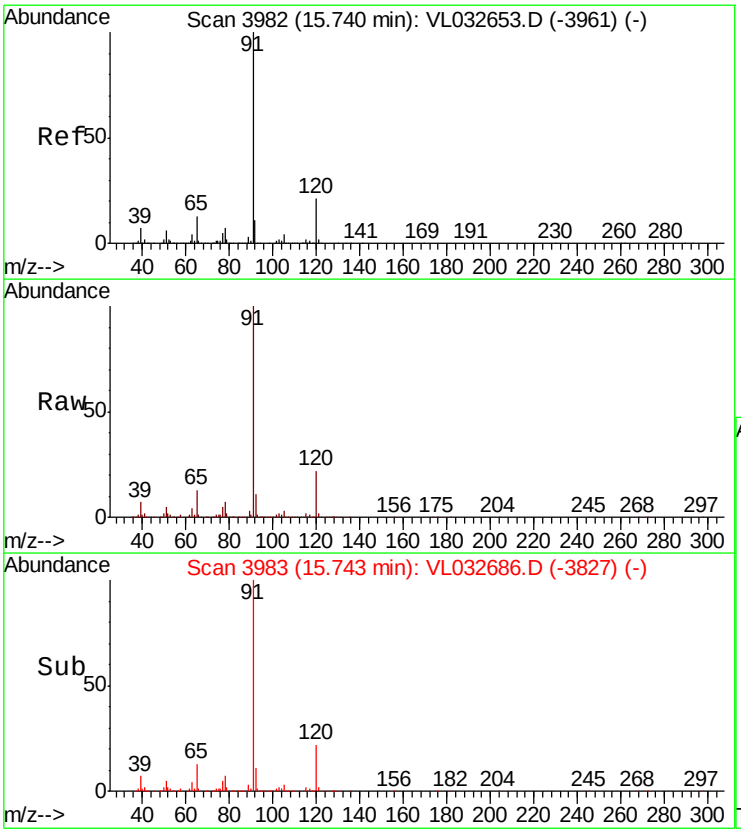
#63
1,1,2,2-Tetrachloroethane
Concen: 7.409 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2755672

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.3	12.9
85	65.0	32.3	96.9

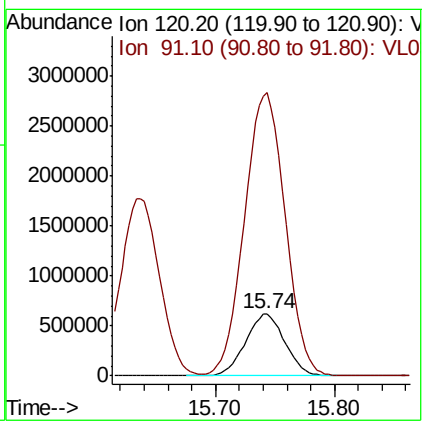


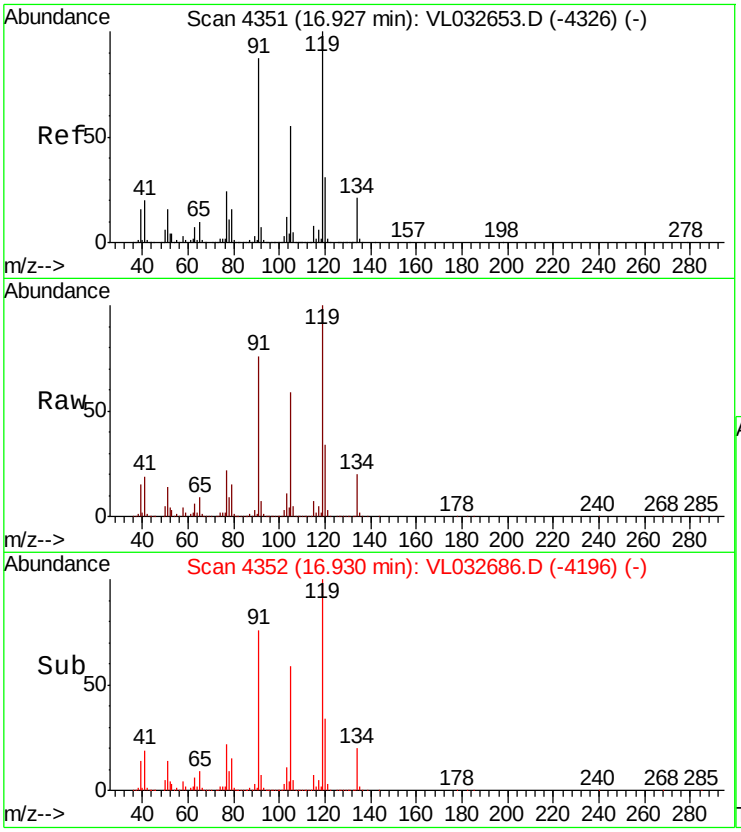


#64
n-propylbenzene
Concen: 8.471 ppbv
RT: 15.74 min Scan# 3983
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion:120 Resp: 1414472

Ion	Ratio	Lower	Upper
120	100		
91	475.1	390.2	585.2



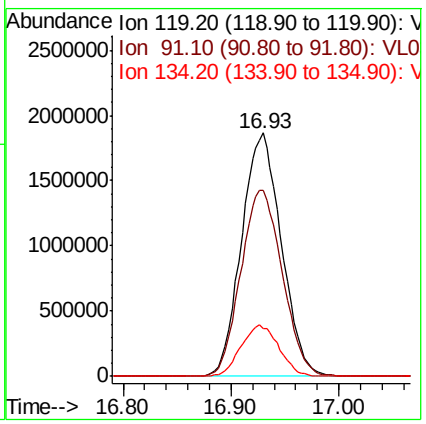


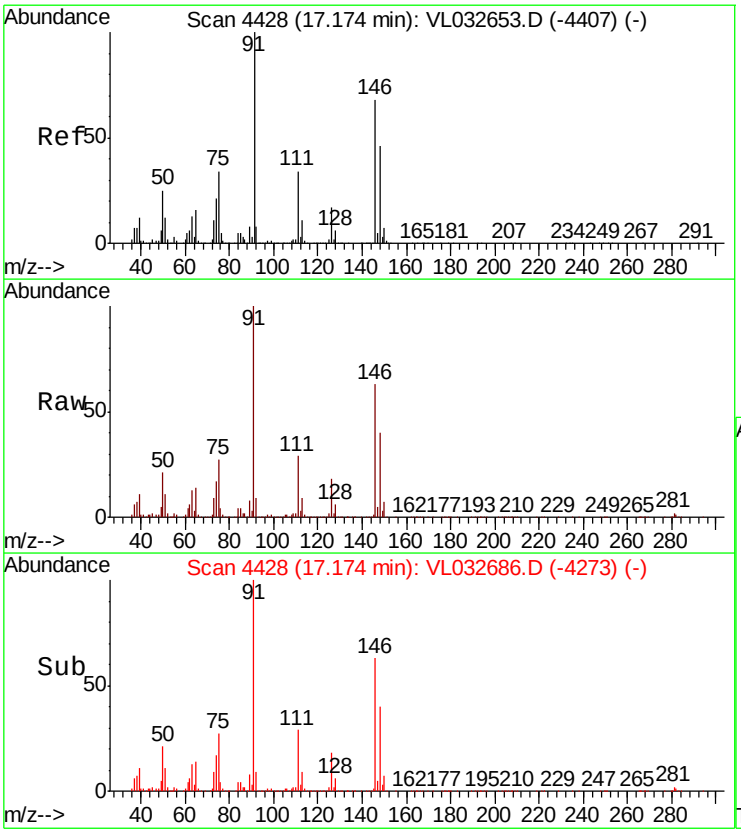
#65
tert-Butylbenzene
Concen: 8.347 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 4776219

Ion	Ratio	Lower	Upper
119	100		
91	79.7	67.8	101.8
134	20.2	15.8	23.8

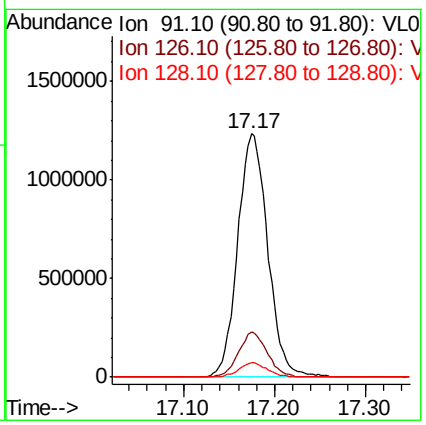


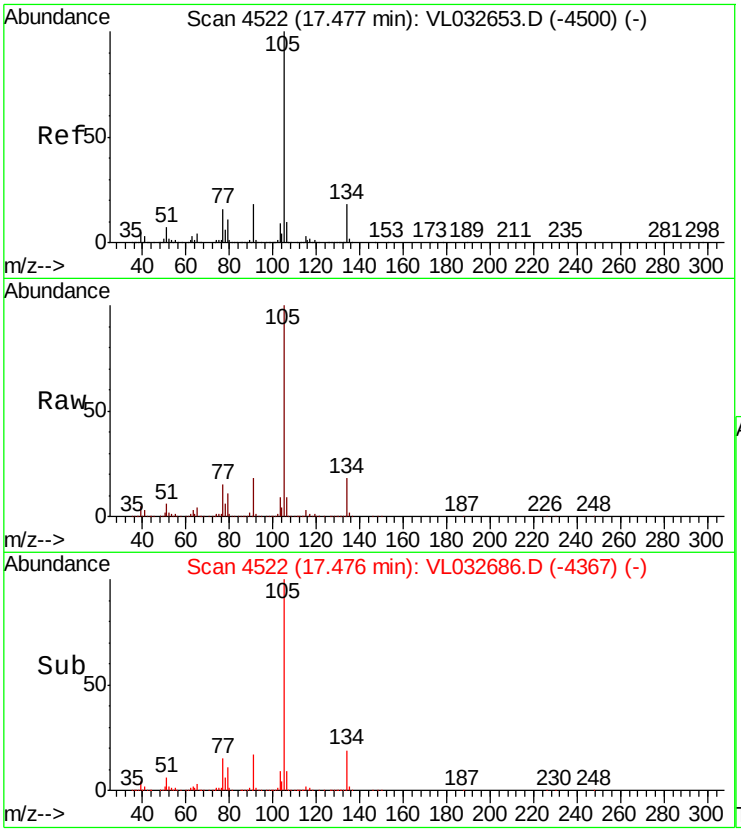


#66
Benzyl Chloride
Concen: 9.553 ppbv
RT: 17.17 min Scan# 4428
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 91 Resp: 2822333

Ion	Ratio	Lower	Upper
91	100		
126	17.9	13.9	20.9
128	5.7	4.3	6.5



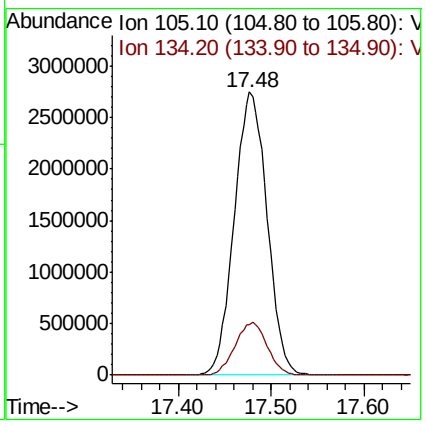


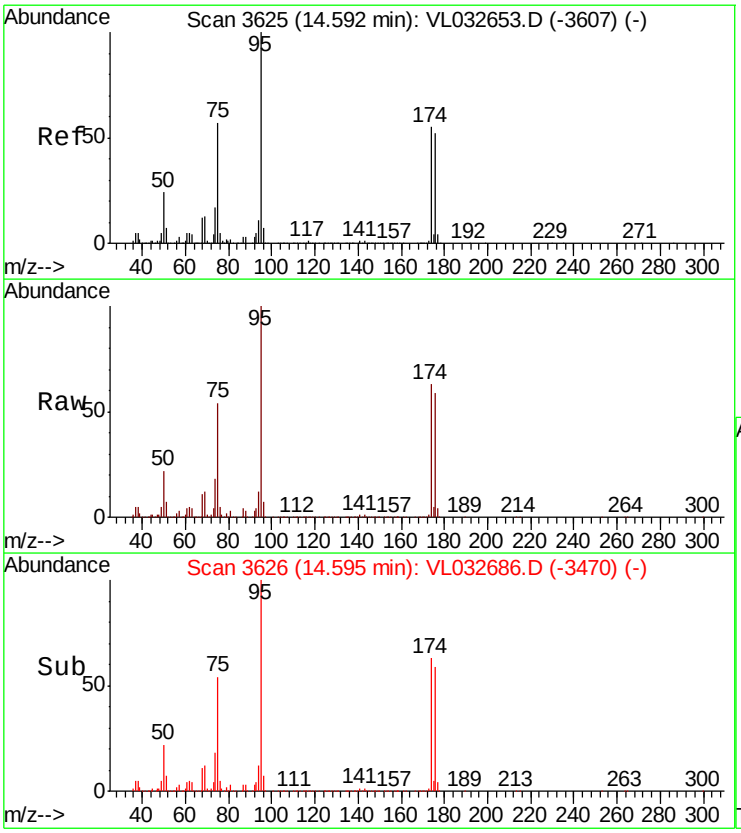
#67
sec-Butylbenzene
Concen: 8.290 ppbv
RT: 17.48 min Scan# 4522
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 6747055

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.2	21.2

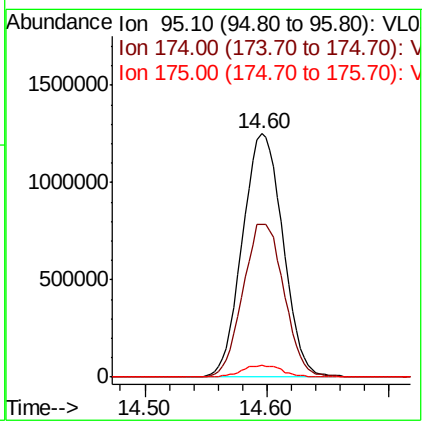


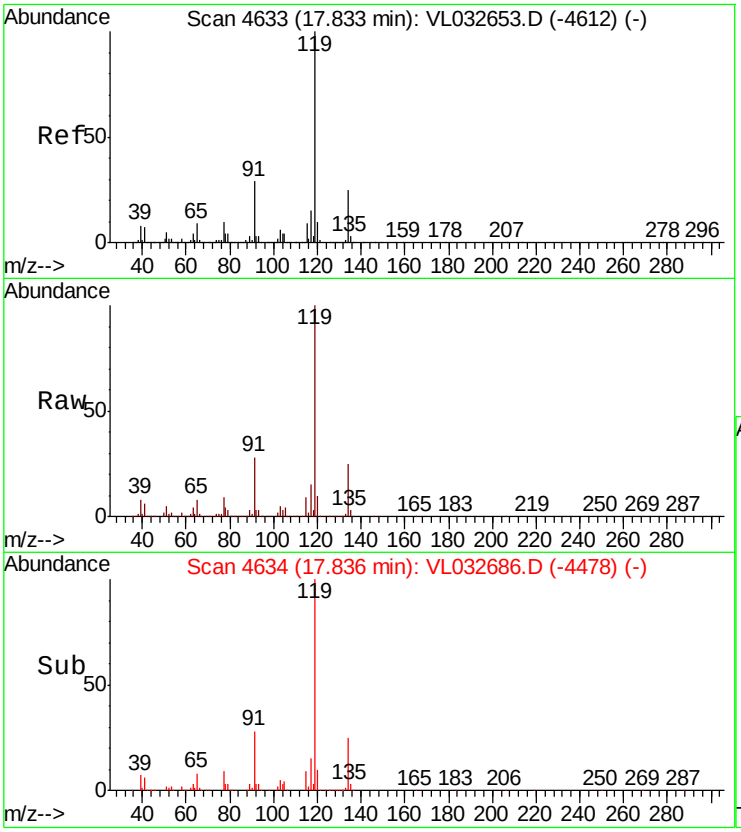


#68
1-Bromo-4-Fluorobenzene
Concen: 8.104 ppbv
RT: 14.60 min Scan# 3626
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 95 Resp: 2870609

Ion	Ratio	Lower	Upper
95	100		
174	64.0	46.0	69.0
175	4.8	3.4	5.0



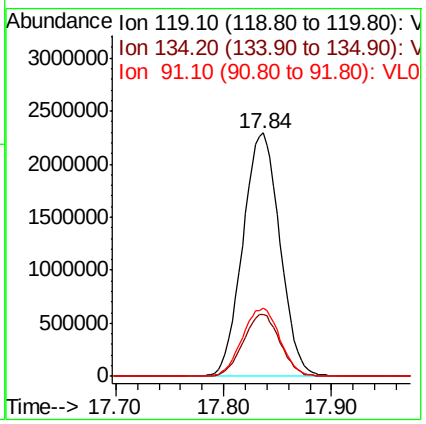


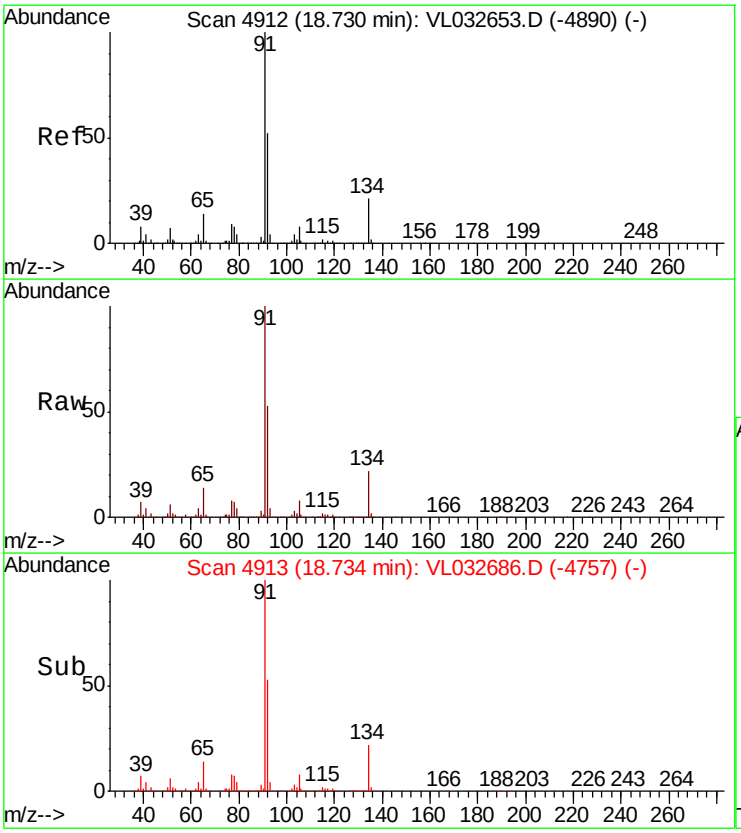
#69
p-Isopropyltoluene
Concen: 8.495 ppbv
RT: 17.84 min Scan# 4634
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 5478389

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.2	30.2
91	28.5	24.0	36.0

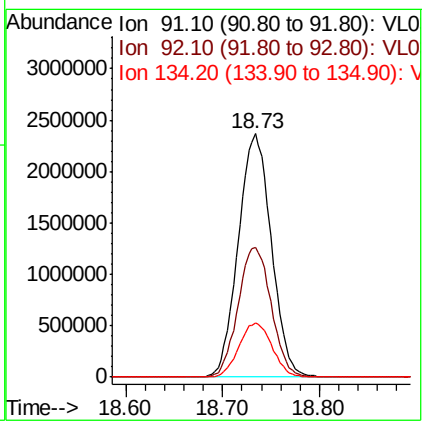


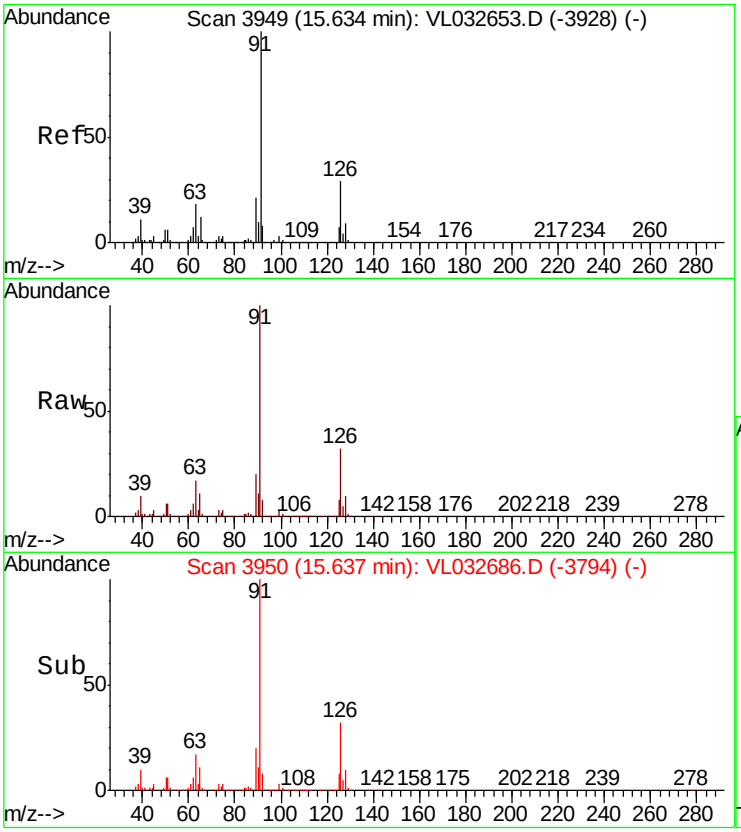


#70
n-Butylbenzene
Concen: 8.467 ppbv
RT: 18.73 min Scan# 4913
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion: 91 Resp: 5621513

Ion	Ratio	Lower	Upper
91	100		
92	53.5	43.0	64.4
134	22.3	17.0	25.6



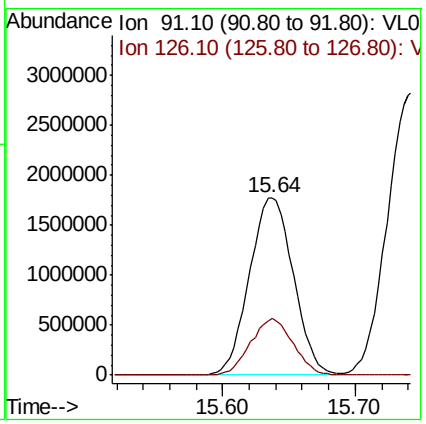


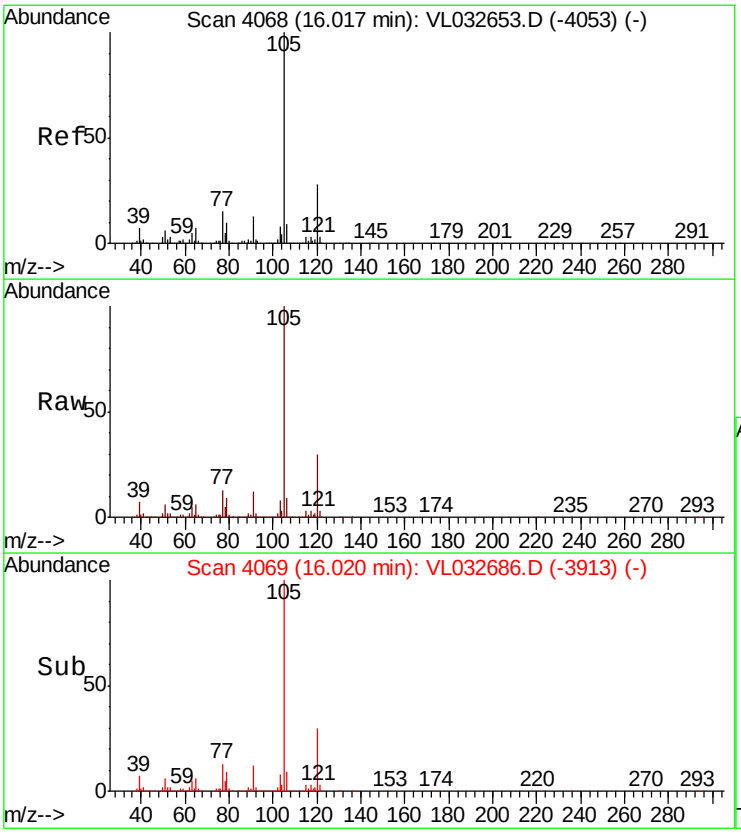
#71
2-Chlorotoluene
Concen: 8.590 ppbv
RT: 15.64 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 4101871

Ion	Ratio	Lower	Upper
91	100		
126	30.9	11.8	47.4

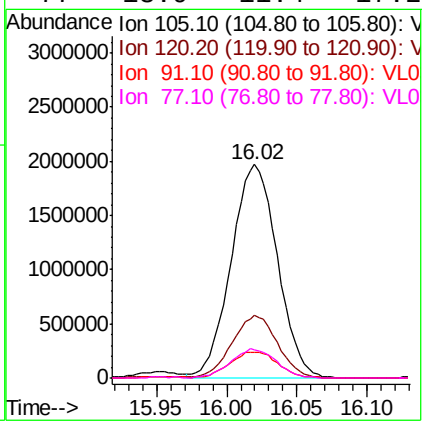


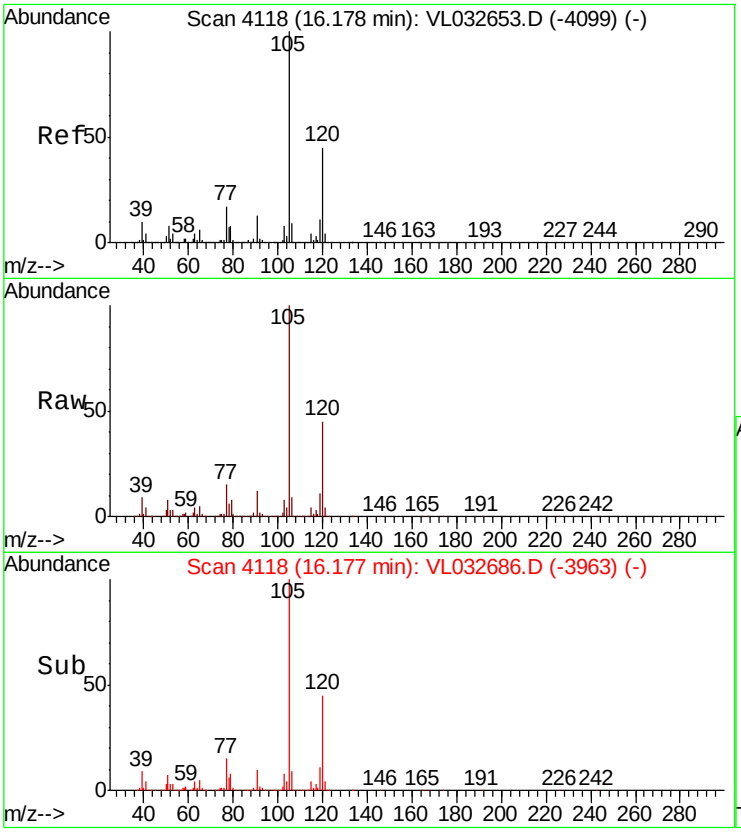


#72
4-Ethyltoluene
Concen: 8.909 ppbv
RT: 16.02 min Scan# 4069
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion:105 Resp: 4504910

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.7	35.5
91	12.6	10.4	15.6
77	13.9	11.4	17.2



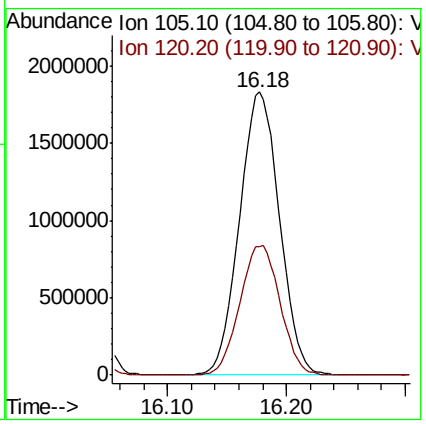


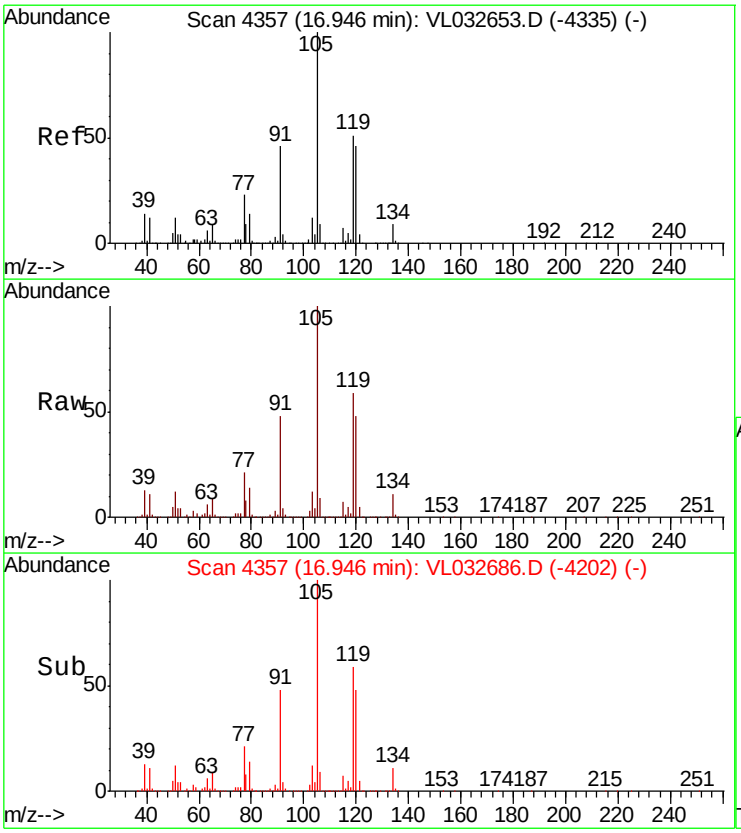
#73
1,3,5-Trimethylbenzene
Concen: 8.629 ppbv
RT: 16.18 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 4249721

Ion	Ratio	Lower	Upper
105	100		
120	45.3	35.4	53.2

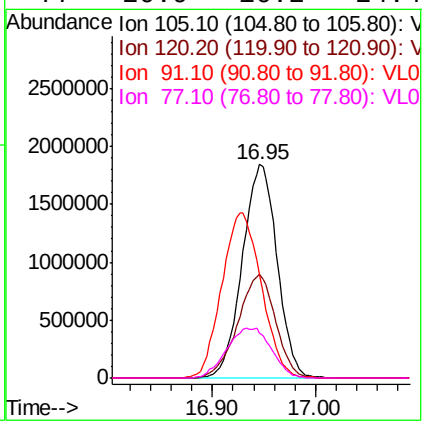


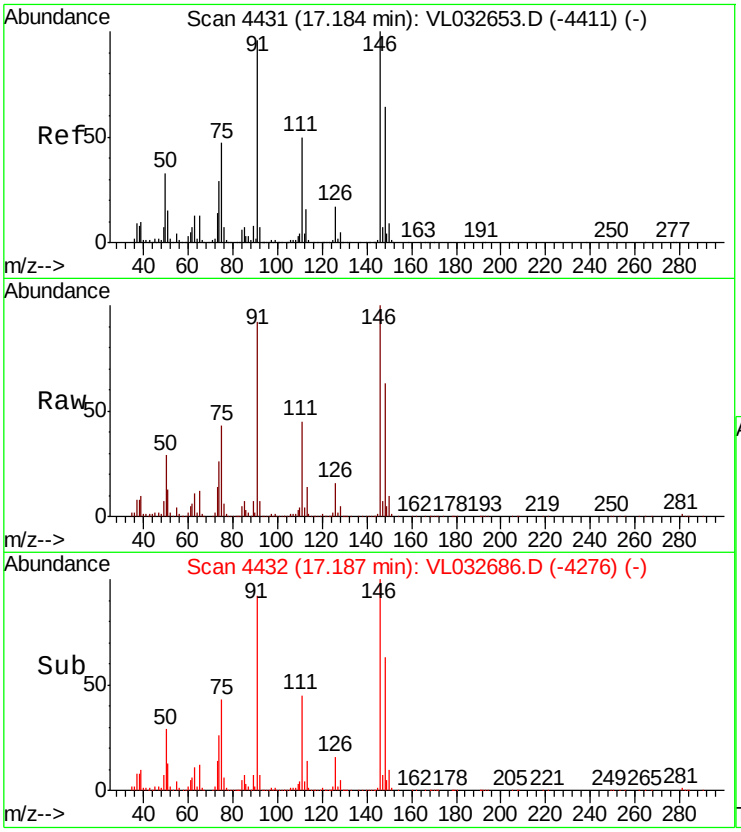


#74
1,2,4-Trimethylbenzene
Concen: 8.201 ppbv
RT: 16.95 min Scan# 4357
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion:105 Resp: 4313108

Ion	Ratio	Lower	Upper
105	100		
120	48.3	35.8	53.8
91	48.2	33.2	49.8
77	20.9	16.2	24.4



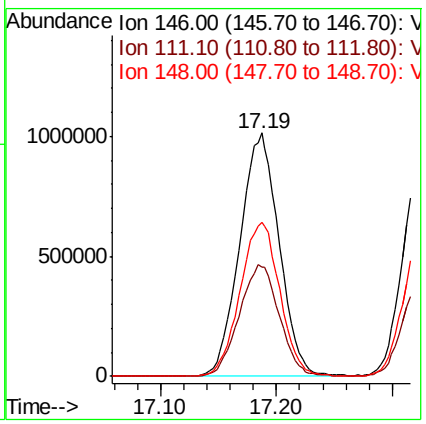


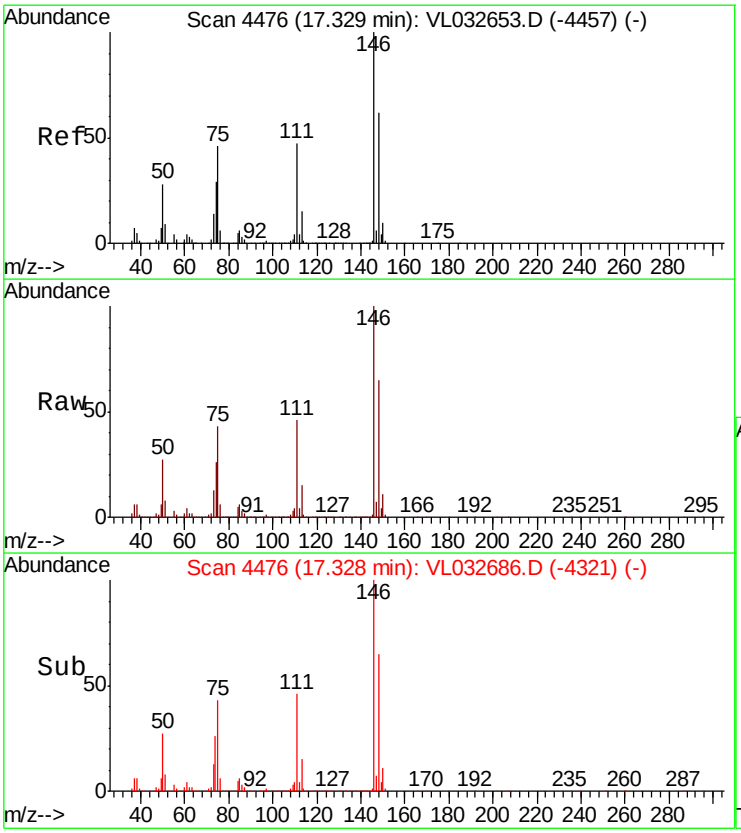
#75
1,3-Dichlorobenzene
Concen: 7.893 ppbv
RT: 17.19 min Scan# 4432
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 2387209

Ion	Ratio	Lower	Upper
146	100		
111	46.8	24.4	73.2
148	64.1	31.9	95.9

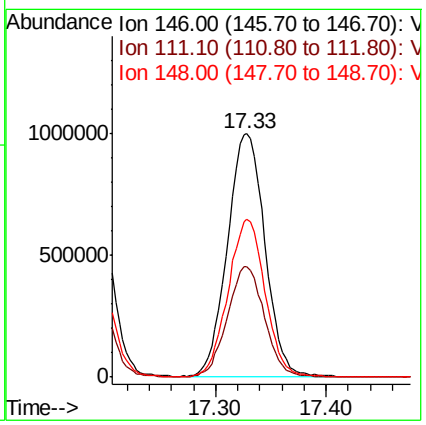


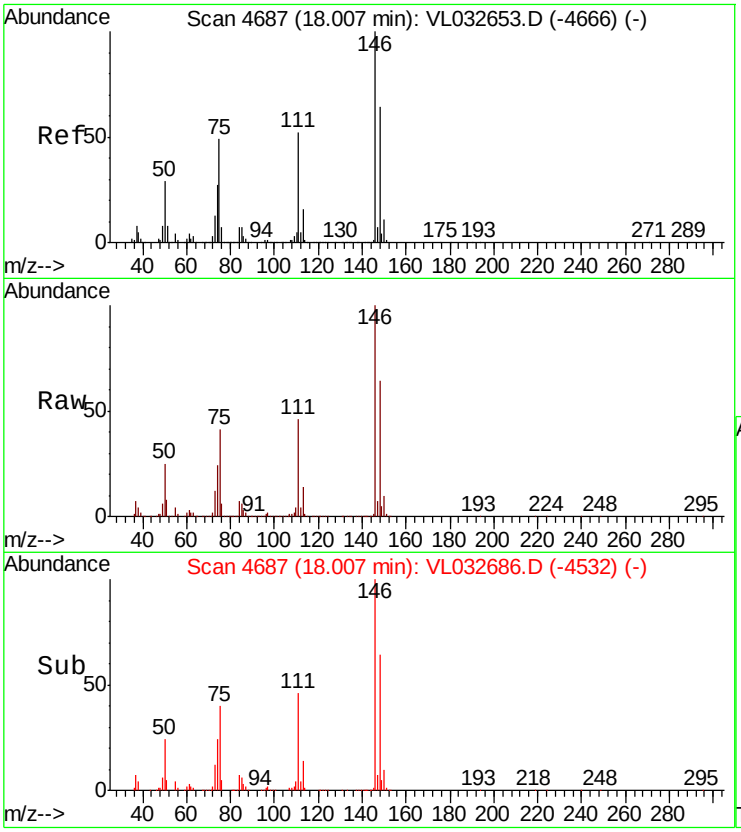


#76
1,4-Dichlorobenzene
Concen: 8.365 ppbv
RT: 17.33 min Scan# 4476
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion:146 Resp: 2334519

Ion	Ratio	Lower	Upper
146	100		
111	45.4	23.7	71.1
148	65.1	32.1	96.3



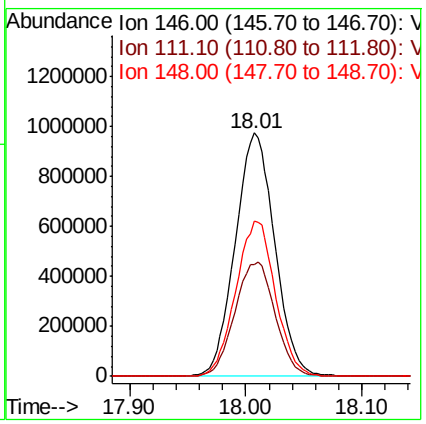


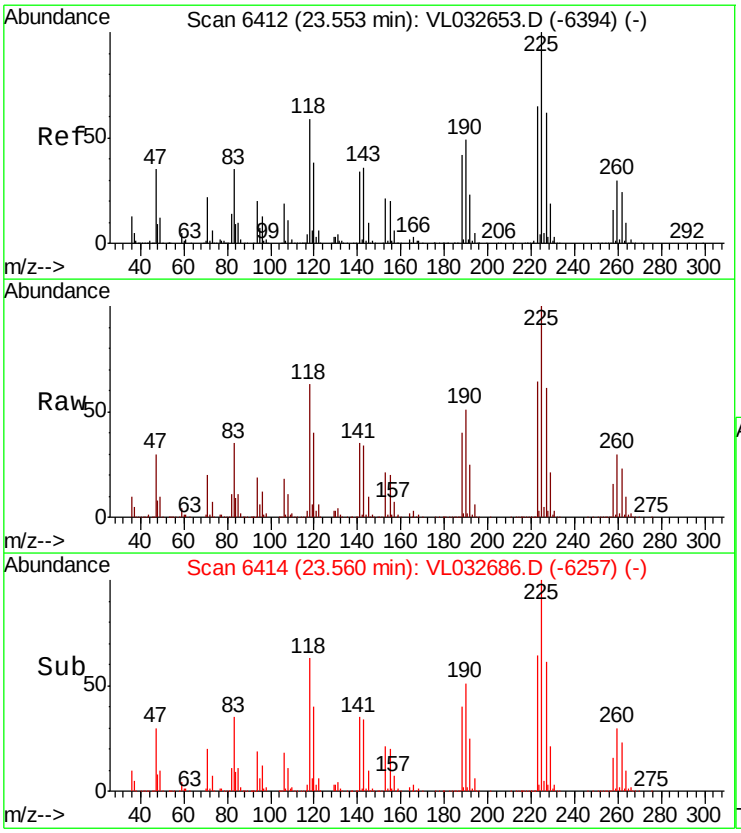
#77
1,2-Dichlorobenzene
Concen: 8.029 ppbv
RT: 18.01 min Scan# 4687
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 2300430

Ion	Ratio	Lower	Upper
146	100		
111	48.2	25.3	75.8
148	64.2	31.9	95.9

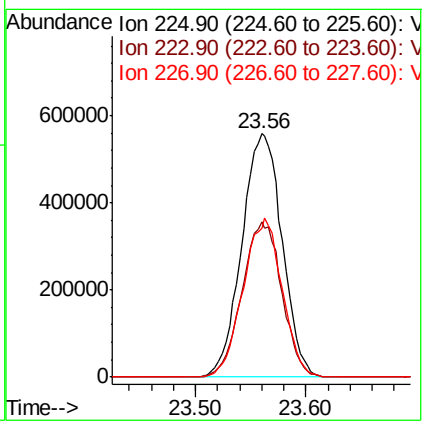


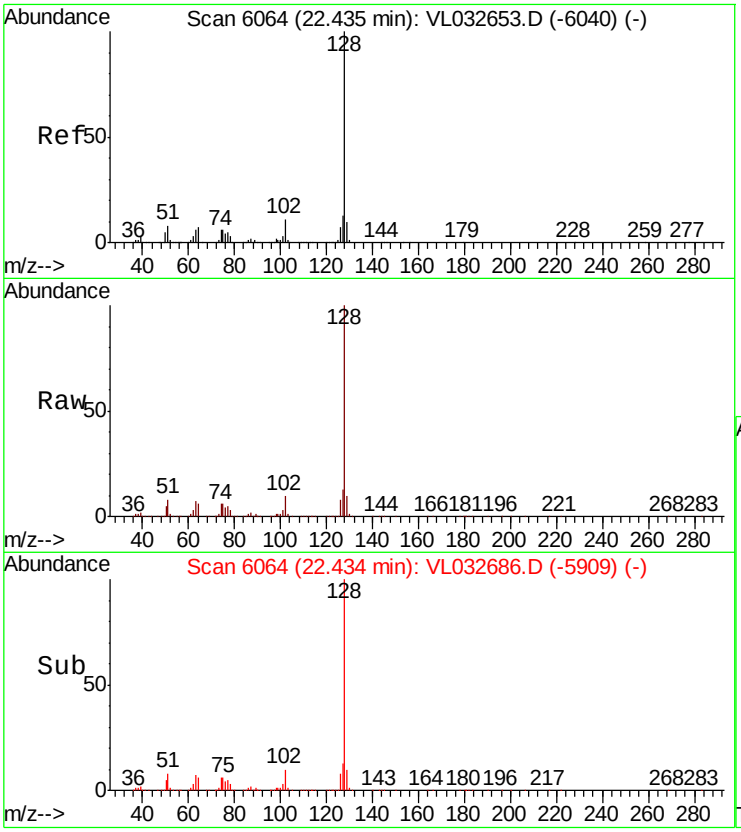


#78
Hexachloro-1,3-Butadiene
Concen: 10.422 ppbv
RT: 23.56 min Scan# 6414
Delta R.T. 0.01 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion:225 Resp: 1410948

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.7	76.1
227	63.2	50.7	76.1



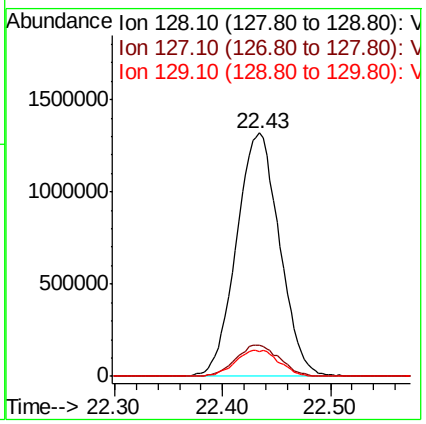


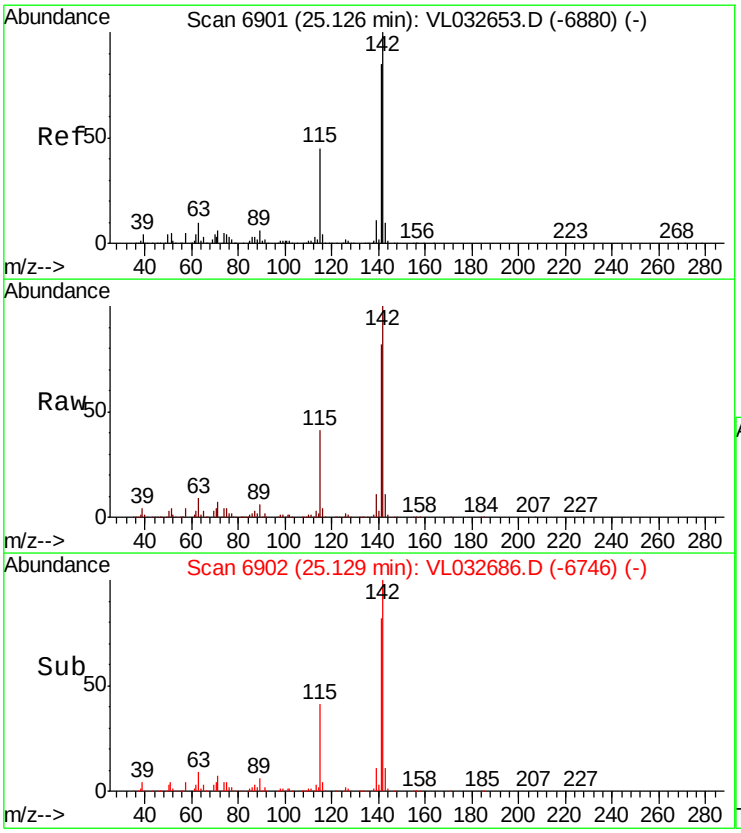
#79
Naphthalene
Concen: 11.175 ppbv
RT: 22.43 min Scan# 6064
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 3653055

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.3	8.6	13.0

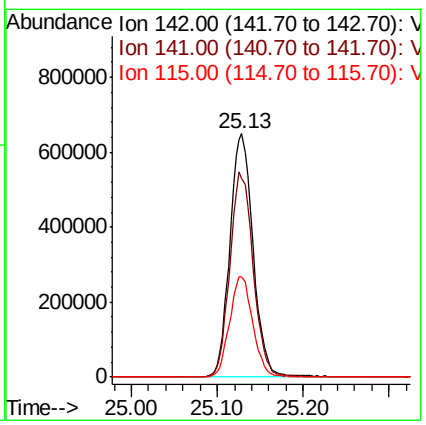


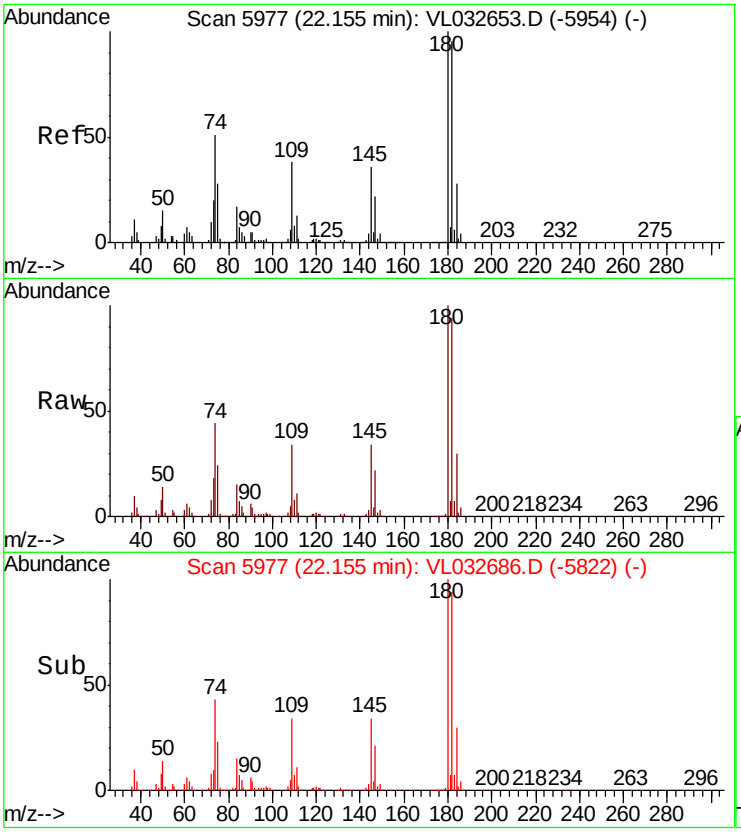


#80
Naphthalene,2-methyl-
Concen: 15.259 ppbv
RT: 25.13 min Scan# 6902
Delta R.T. 0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Tgt Ion:142 Resp: 1212932

Ion	Ratio	Lower	Upper
142	100		
141	85.3	67.5	101.3
115	41.4	33.5	50.3





#81
1,2,4-Trichlorobenzene
Concen: 10.770 ppbv
RT: 22.15 min Scan# 5977
Delta R.T. -0.00 min
Lab File: VL032686.D
Acq: 24 Oct 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1823333

Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.5	114.7
184	29.9	24.7	37.1