Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071218\
Data File : VL032237.D
Acq On : 13 Jul 2018 3:36
Operator : SY/AP
Sample : VL0712ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Quant Time: Jul 13 05:20:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 13 04:25:14 2018
QLast Update : Fri Jul 13 04:25:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.84	49	1779908	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.38	114	4035236	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.34	117	6045296	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.68	95	3888464	8.31	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 83.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.13	85	2722445	10.624	ppbv		100
3) Chlorodifluoromethane	3.06	51	1785421	8.163	ppbv		100
4) Chloromethane	3.22	50	1045393	8.402	ppbv		99
5) Vinyl Chloride	3.35	62	1079612	8.807	ppbv		96
6) Bromomethane	3.57	94	584772	8.569	ppbv		99
7) Chloroethane	3.66	64	379720	8.995	ppbv		99
8) Dichlorotetrafluoroethane	3.27	85	2138818	7.599	ppbv		99
9) Propene	3.09	41	871706	9.349	ppbv		99
10) Heptane	8.33	43	2631788	9.939	ppbv		98
11) Trichlorofluoromethane	4.07	101	2122347	8.657	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1344366	8.586	ppbv		100
13) Ethanol	3.71	45	195601	7.268	ppbv		99
14) Bromoethene	3.85	108	663245	8.979	ppbv		100
15) Acetone	3.96	43	1617547	7.831	ppbv		100
16) 1,3-Butadiene	3.42	39	1028528	9.855	ppbv		91
17) tert-Butyl alcohol	4.42	59	1366542	14.170	ppbv		99
18) 1,1-Dichloroethene	4.42	96	642638	8.819	ppbv		99
19) Isopropyl Alcohol	4.09	45	1161062	8.561	ppbv	#	98
20) Methylene Chloride	4.48	84	561743	8.026	ppbv		96
21) Allyl Chloride	4.55	41	1147285	9.488	ppbv		98
22) trans-1,2-Dichloroethene	5.04	96	702662	10.131	ppbv		99
23) Vinyl Acetate	5.23	43	3500683	10.191	ppbv		99
24) 1,1-Dichloroethane	5.17	63	2325413	9.641	ppbv		98
25) Ethyl Acetate	5.85	43	3828488	9.367	ppbv		99
26) Hexane	5.86	57	1781339	9.554	ppbv		98
27) Carbon Disulfide	4.69	76	1639090	9.825	ppbv		99
28) Methyl tert-Butyl Ether	5.19	73	3039142	10.356	ppbv		100
29) Chloroform	5.93	83	2639821	9.171	ppbv		99
30) Cyclohexane	7.34	84	1610572	9.789	ppbv		99
31) cis-1,2-Dichloroethene	5.72	61	1886764	10.140	ppbv		97
32) 1,1,1-Trichloroethane	6.71	97	2652497	9.497	ppbv		98
34) 2-Butanone	5.40	43	2705039	9.839	ppbv		99
35) Carbon Tetrachloride	7.22	117	2676373	9.800	ppbv		98
36) Benzene	7.09	78	3932718	9.806	ppbv		98
37) 1,2-Dichloroethane	6.50	62	2258659	10.287	ppbv		100
38) Trichloroethene	8.05	130	1254871	9.123	ppbv		96
39) 1,2-Dichloropropane	7.83	63	1591449	9.986	ppbv		99
40) 1,4-Dioxane	8.04	88	467113	8.547	ppbv	#	100
41) Tetrahydrofuran	6.23	42	1580985	10.275	ppbv		98
42) Bromodichloromethane	8.01	83	2989927	9.564	ppbv		99
43) Methyl Methacrylate	8.22	69	1589771	10.259	ppbv		97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071218\
Data File : VL032237.D
Acq On : 13 Jul 2018 3:36
Operator : SY/AP
Sample : VL0712ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Quant Time: Jul 13 05:20:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 13 04:25:14 2018
QLast Update : Fri Jul 13 04:25:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	6620861	9.599	ppbv		100
45) t-1,3-Dichloropropene	9.51	75	2428471	13.158	ppbv		96
46) cis-1,3-Dichloropropene	8.93	75	2878593	11.434	ppbv		99
47) 1,1,2-Trichloroethane	9.71	97	1808057	10.157	ppbv		97
48) Dibromochloromethane	10.55	129	2818580	10.643	ppbv		100
49) Bromoform	13.30	173	2203057	10.377	ppbv		100
50) 4-Methyl-2-Pentanone	8.96	43	4884109	10.268	ppbv		100
51) 2-Hexanone	10.37	43	3952329	9.950	ppbv		100
52) Tetrachloroethene	11.47	164	1365450	9.215	ppbv		98
53) Toluene	10.04	91	5191100	10.949	ppbv		99
54) 1,2-Dibromoethane	10.86	107	2747862	10.456	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.38	131	1967508	7.492	ppbv		99
57) Chlorobenzene	12.40	112	3683351	7.209	ppbv		99
58) Ethyl Benzene	12.96	91	7083260	8.046	ppbv		100
59) m/p-Xylene	13.25	91	5510906	7.609	ppbv	#	31
60) o-Xylene	13.95	91	5437616	7.608	ppbv		100
61) Styrene	13.78	104	4507576	8.417	ppbv		100
62) Isopropylbenzene	14.93	105	7583403	7.567	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.94	83	3819605	6.570	ppbv		100
64) n-propylbenzene	15.82	120	1942114	7.655	ppbv		98
65) tert-Butylbenzene	17.00	119	6075532	7.237	ppbv		99
66) Benzyl Chloride	17.25	91	3678305	8.658	ppbv		99
67) sec-Butylbenzene	17.56	105	9084692	7.407	ppbv		100
69) p-Isopropyltoluene	17.91	119	7199920	7.539	ppbv		100
70) n-Butylbenzene	18.81	91	7878578	7.468	ppbv		100
71) 2-Chlorotoluene	15.71	91	6007330	7.617	ppbv		99
72) 4-Ethyltoluene	16.10	105	6297881	7.853	ppbv		99
73) 1,3,5-Trimethylbenzene	16.26	105	5916441	7.934	ppbv		100
74) 1,2,4-Trimethylbenzene	17.02	105	5695682	7.470	ppbv		98
75) 1,3-Dichlorobenzene	17.27	146	3033437	6.669	ppbv		100
76) 1,4-Dichlorobenzene	17.40	146	3109376	6.980	ppbv		99
77) 1,2-Dichlorobenzene	18.09	146	2978722	6.589	ppbv		100
78) Hexachloro-1,3-Butadiene	23.63	225	816928	5.798	ppbv		100
79) Naphthalene	22.52	128	4587083	8.961	ppbv		98
80) Naphthalene,2-methyl-	25.19	142	2449934	14.981	ppbv		99
81) 1,2,4-Trichlorobenzene	22.25	180	2163921	8.448	ppbv		100

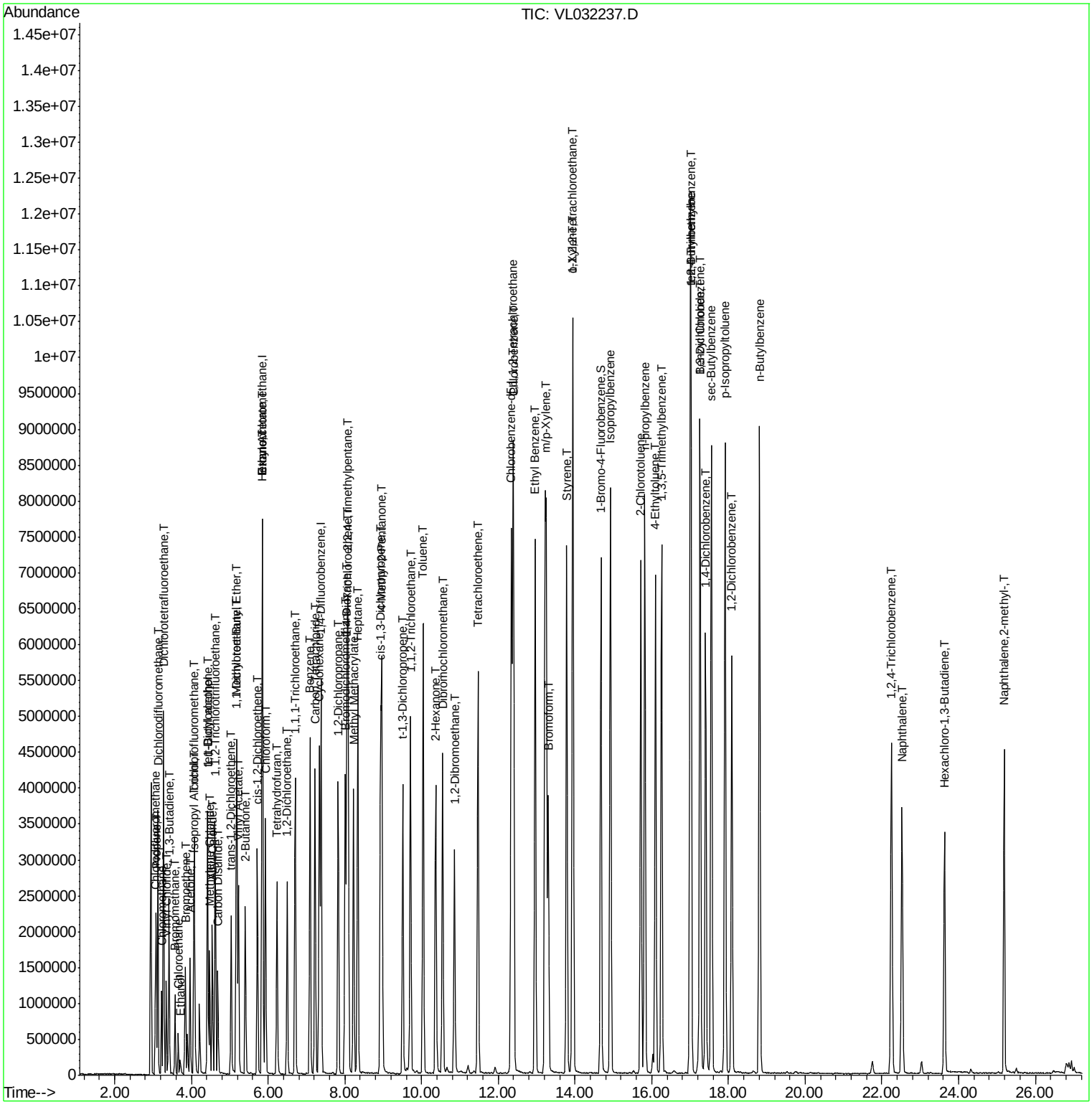
(#) = qualifier out of range (m) = manual integration (+) = signals summed

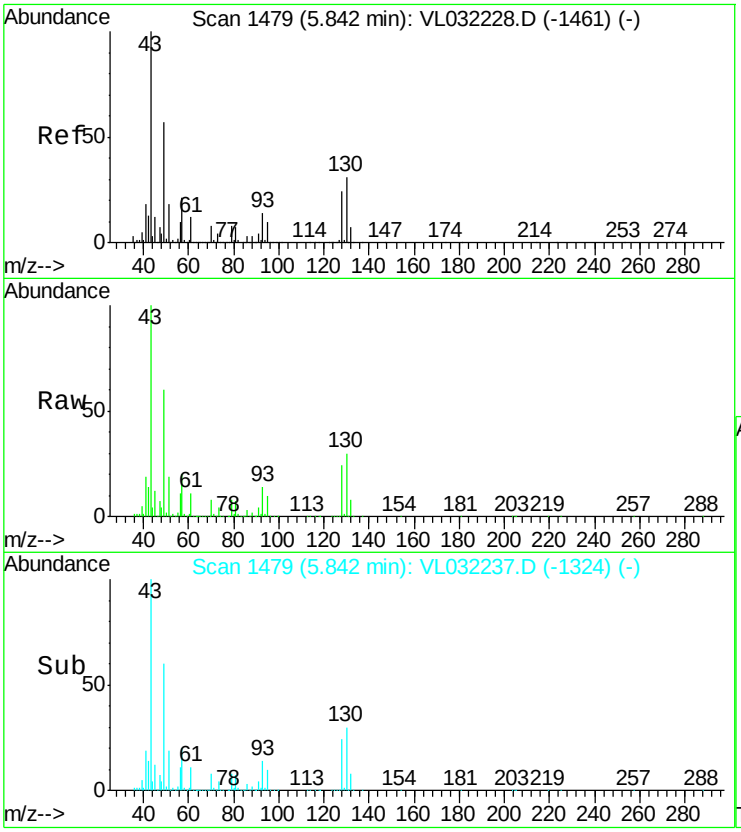
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071218\
Data File : VL032237.D
Acq On : 13 Jul 2018 3:36
Operator : SY/AP
Sample : VL0712ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Quant Time: Jul 13 05:20:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 13 04:25:14 2018
QLast Update : Fri Jul 13 04:25:14 2018
Response via : Initial Calibration



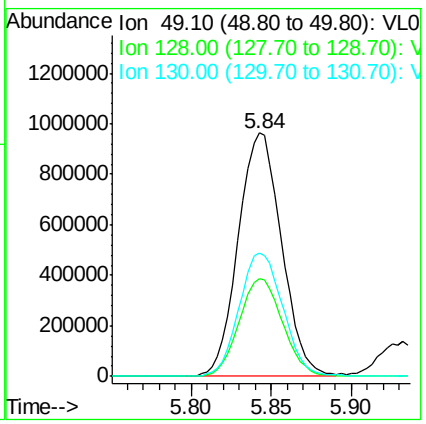


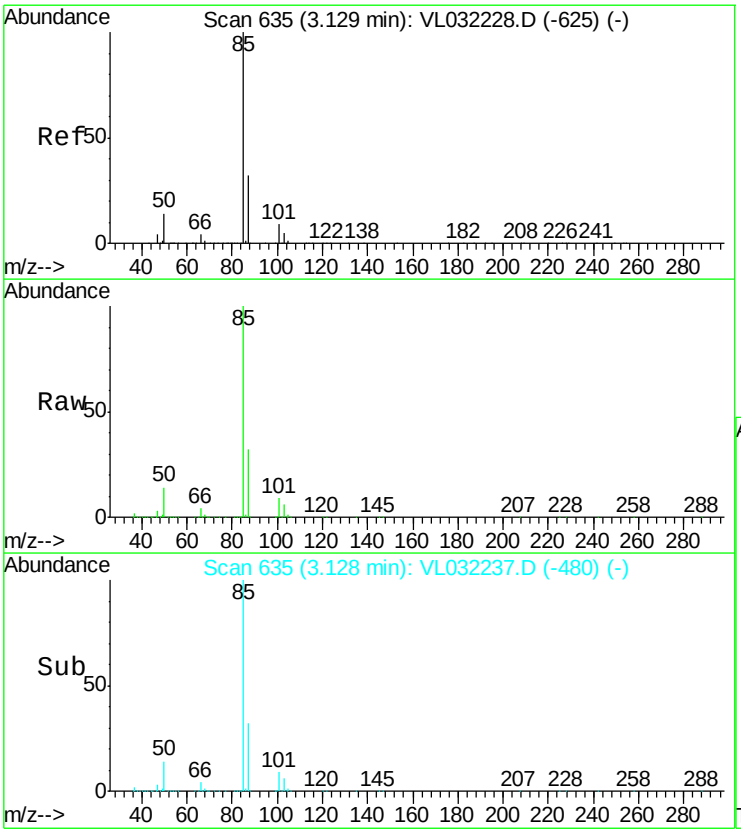
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.84 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument :
MSVOA_L
ClientSampleId :
VL0712ABS01

Tgt Ion: 49 Resp: 1779908

Ion	Ratio	Lower	Upper
49	100		
128	40.5	20.9	62.8
130	51.2	27.0	81.0

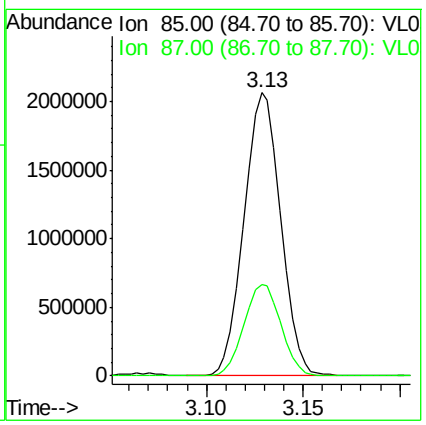


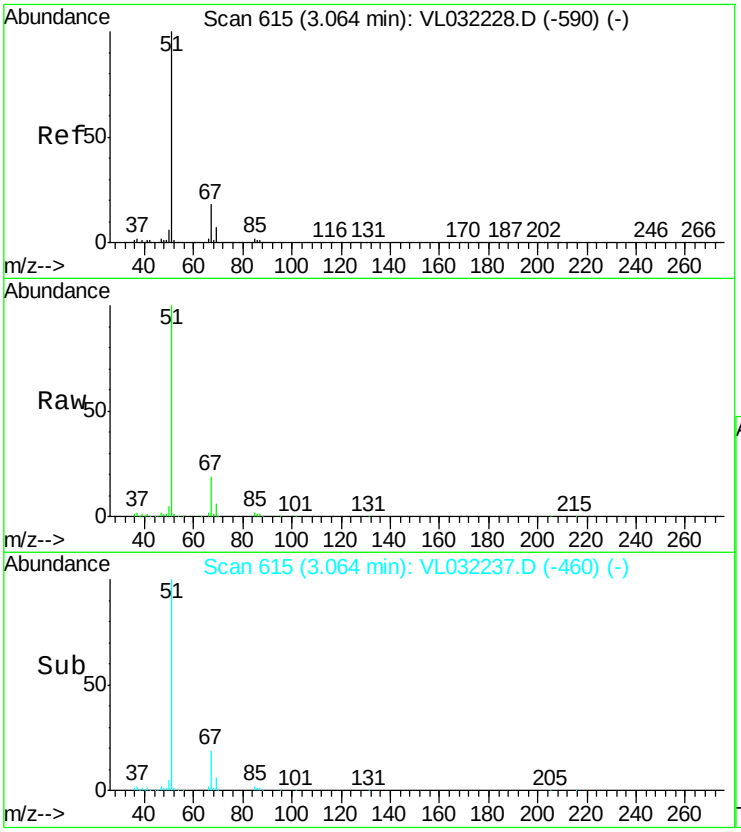


#2
Dichlorodifluoromethane
Concen: 10.624 ppbv
RT: 3.13 min Scan# 635
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 85 Resp: 2722445

Ion	Ratio	Lower	Upper
85	100		
87	32.1	25.8	38.6



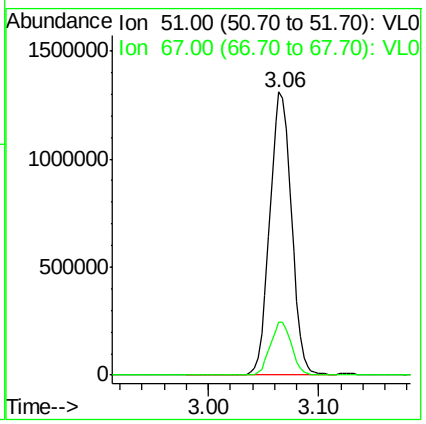


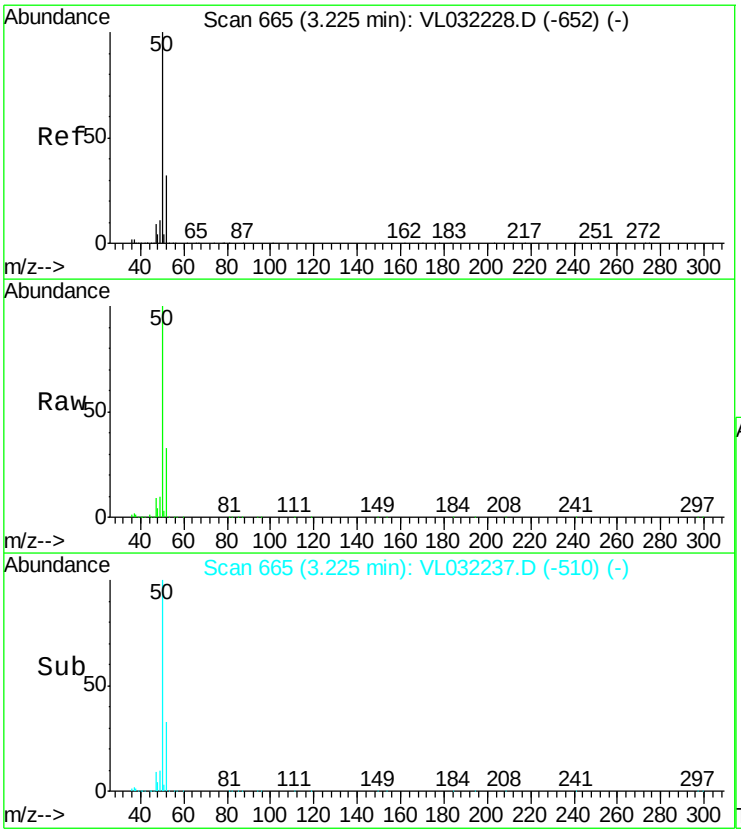
#3
Chlorodifluoromethane
Concen: 8.163 ppbv
RT: 3.06 min Scan# 615
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument :
MSVOA_L
ClientSampleId :
VL0712ABS01

Tgt Ion: 51 Resp: 1785421

Ion	Ratio	Lower	Upper
51	100		
67	18.4	14.6	22.0

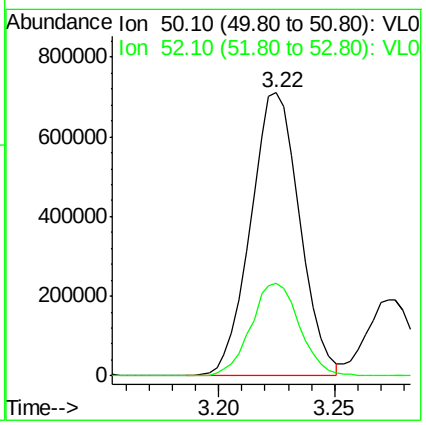


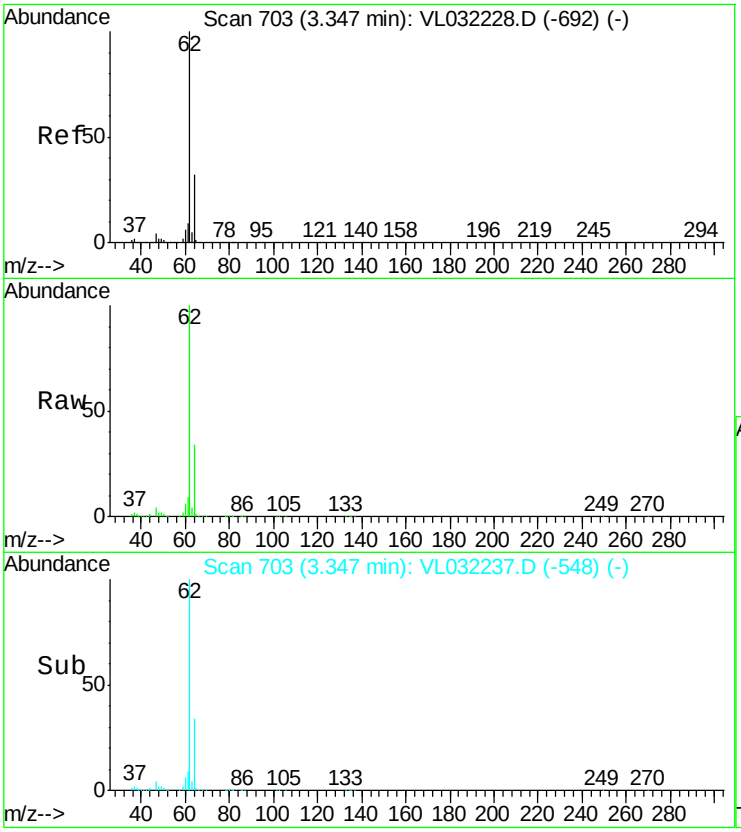


#4
Chloromethane
Concen: 8.402 ppbv
RT: 3.22 min Scan# 665
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 50 Resp: 1045393

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.7	38.5



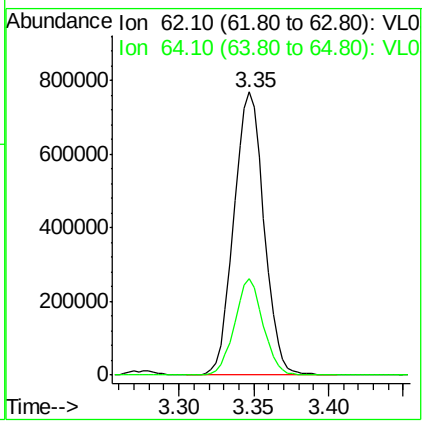


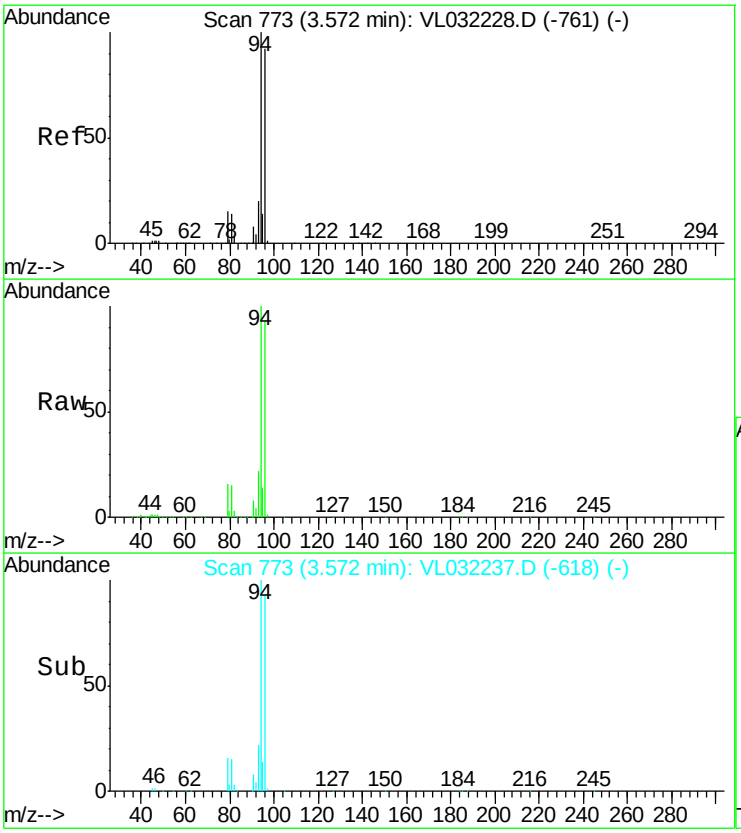
#5
Vinyl Chloride
Concen: 8.807 ppbv
RT: 3.35 min Scan# 703
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion: 62 Resp: 1079612

Ion	Ratio	Lower	Upper
62	100		
64	34.2	25.8	38.6

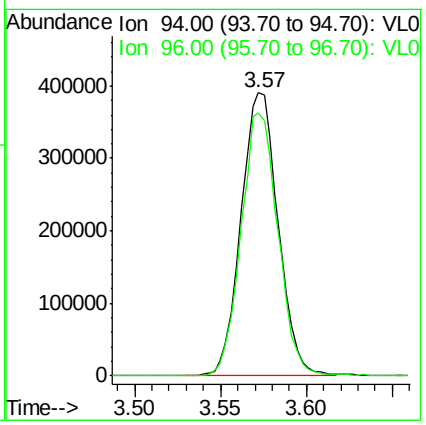


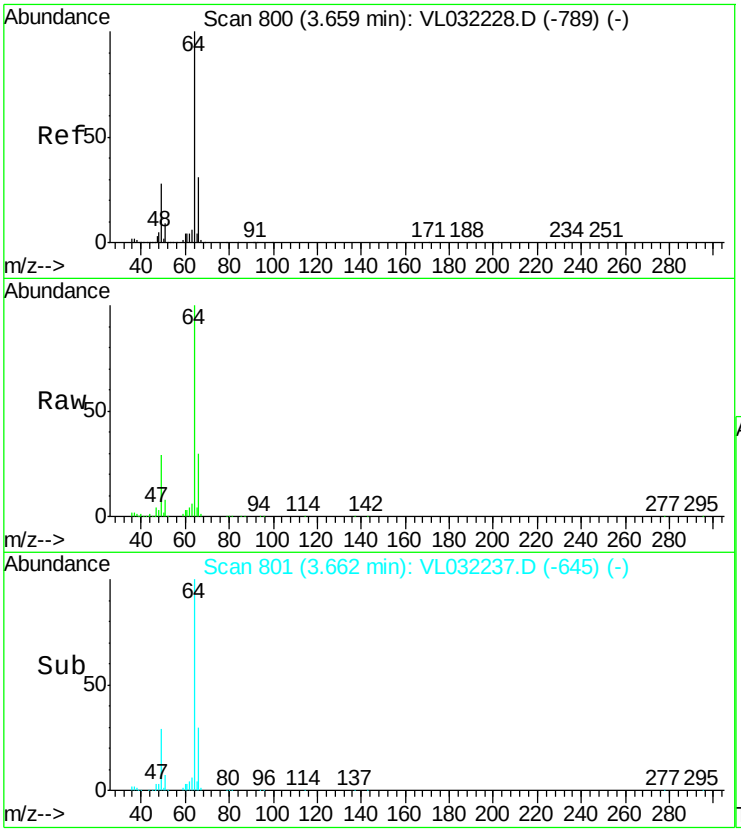


#6
Bromomethane
Concen: 8.569 ppbv
RT: 3.57 min Scan# 773
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 94 Resp: 584772

Ion	Ratio	Lower	Upper
94	100		
96	93.0	73.5	110.3



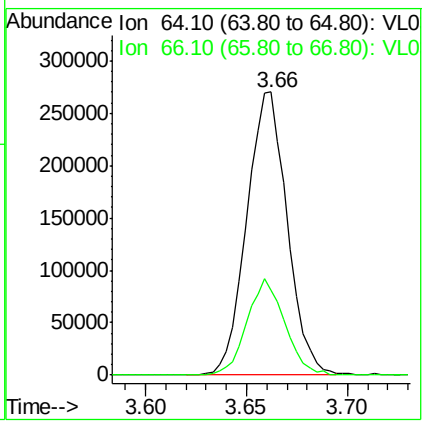


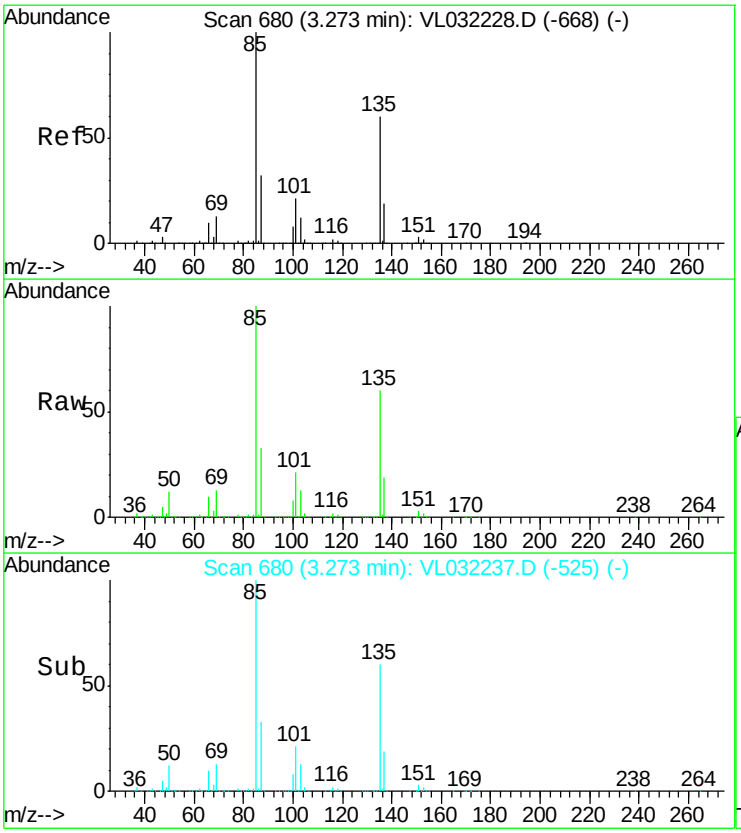
#7
Chloroethane
Concen: 8.995 ppbv
RT: 3.66 min Scan# 801
Delta R.T. 0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion: 64 Resp: 379720

Ion	Ratio	Lower	Upper
64	100		
66	30.1	24.4	36.6

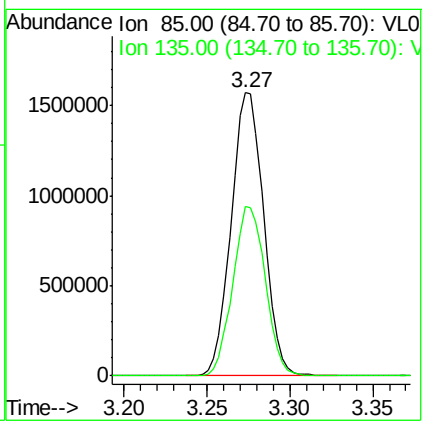


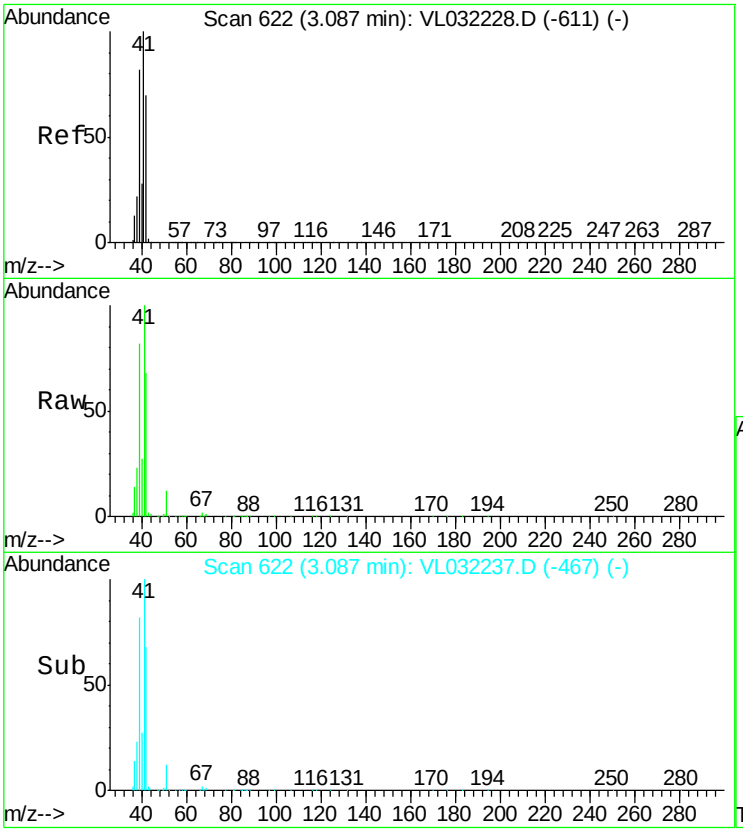


#8
Dichlorotetrafluoroethane
Concen: 7.599 ppbv
RT: 3.27 min Scan# 680
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 85 Resp: 2138818

Ion	Ratio	Lower	Upper
85	100		
135	60.0	48.6	72.8



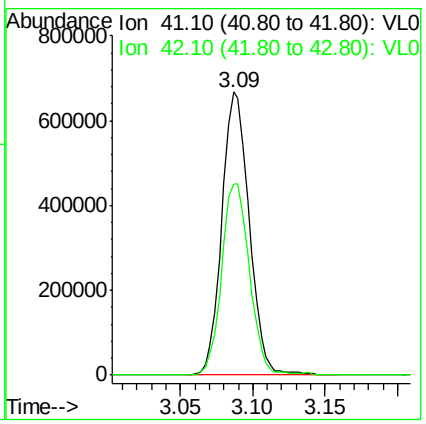


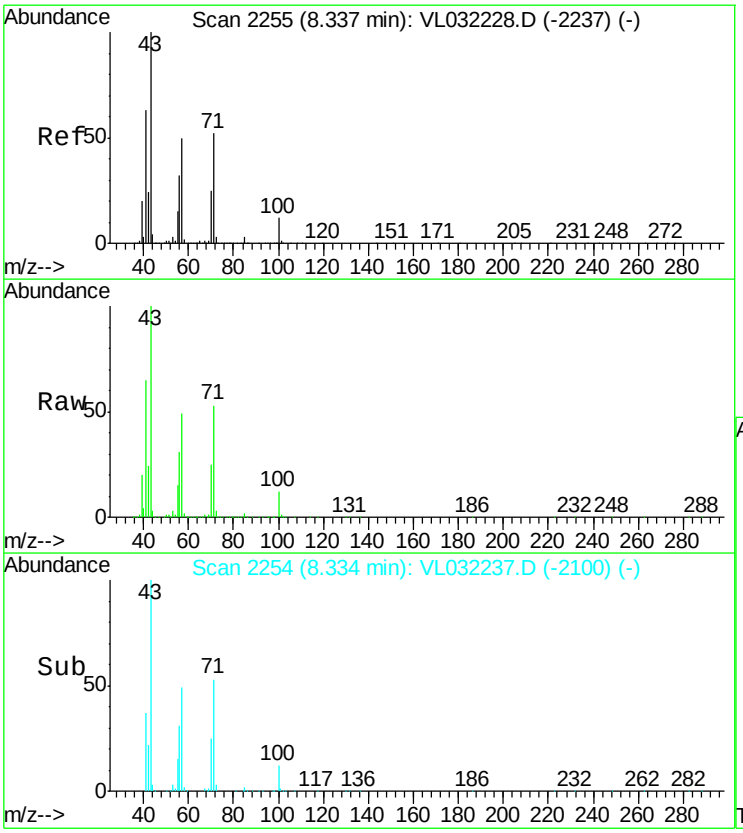
#9
Propene
Concen: 9.349 ppbv
RT: 3.09 min Scan# 622
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument :
MSVOA_L
ClientSampleId :
VL0712ABS01

Tgt Ion: 41 Resp: 871706

Ion	Ratio	Lower	Upper
41	100		
42	69.2	56.2	84.4

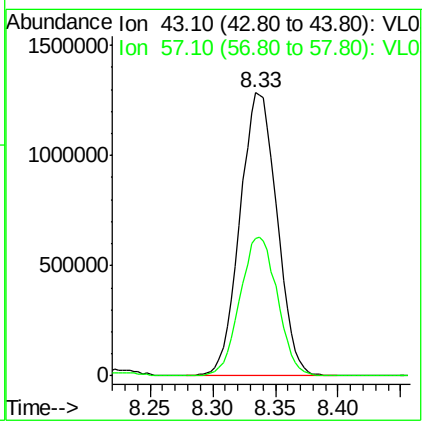


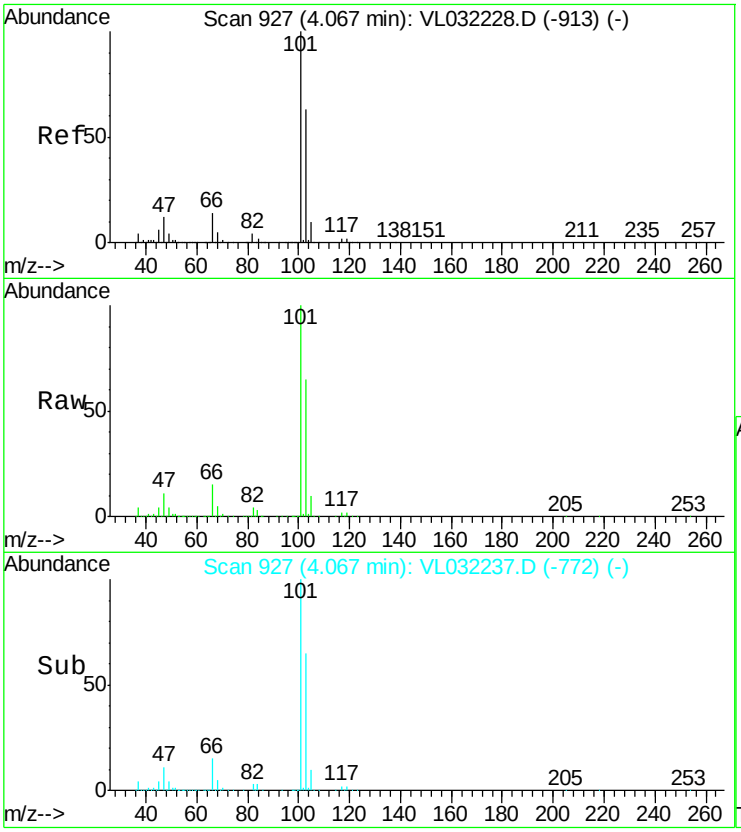


#10
Heptane
Concen: 9.939 ppbv
RT: 8.33 min Scan# 2254
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 43 Resp: 2631788

Ion	Ratio	Lower	Upper
43	100		
57	49.7	40.7	61.1



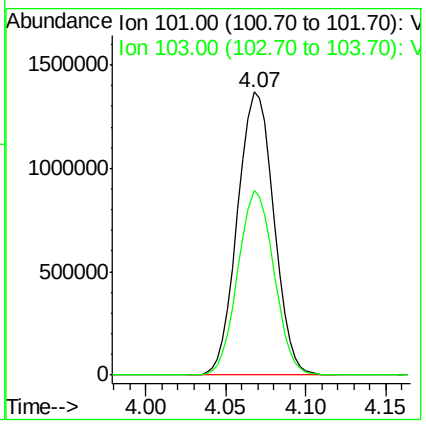


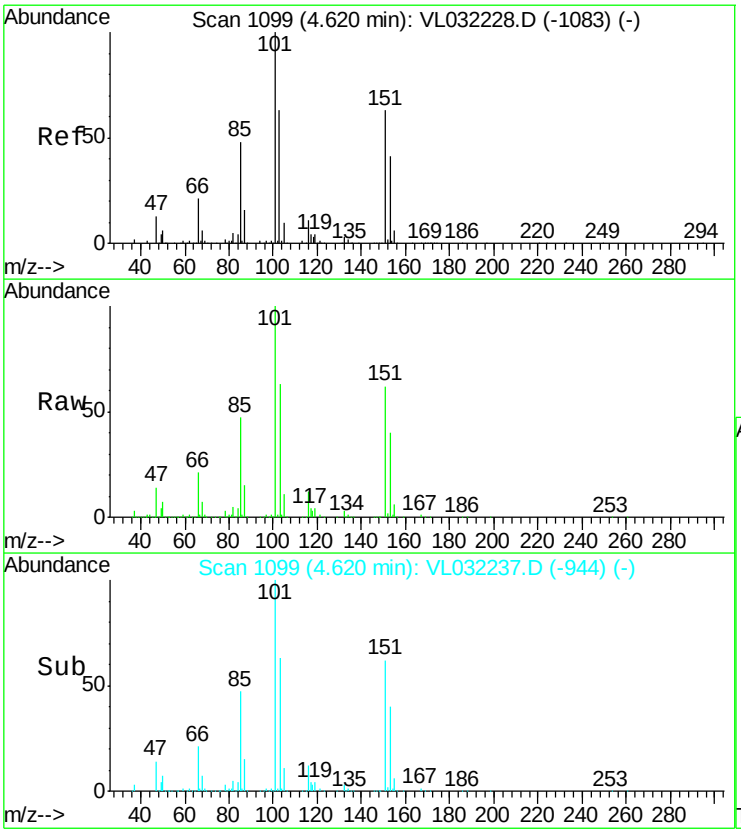
#11
Trichlorofluoromethane
Concen: 8.657 ppbv
RT: 4.07 min Scan# 927
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument :
MSVOA_L
ClientSampleId :
VL0712ABS01

Tgt Ion:101 Resp: 2122347

Ion	Ratio	Lower	Upper
101	100		
103	65.4	50.2	75.2

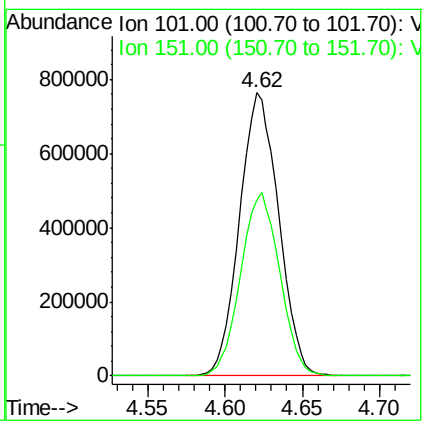


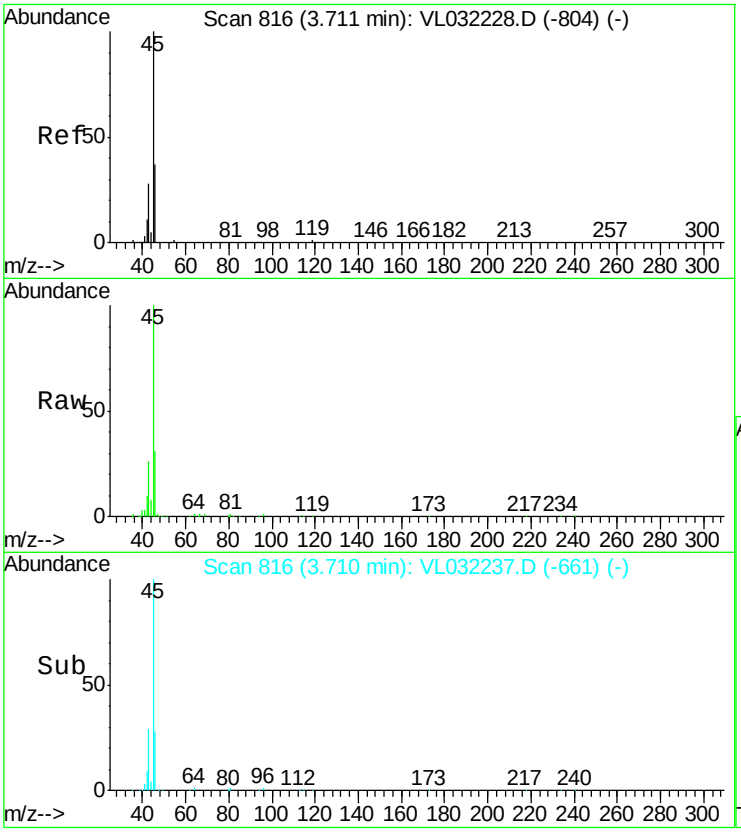


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.586 ppbv
RT: 4.62 min Scan# 1099
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion:101 Resp: 1344366

Ion	Ratio	Lower	Upper
101	100		
151	65.0	52.2	78.2



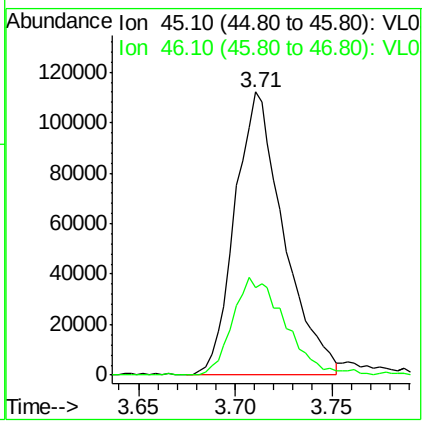


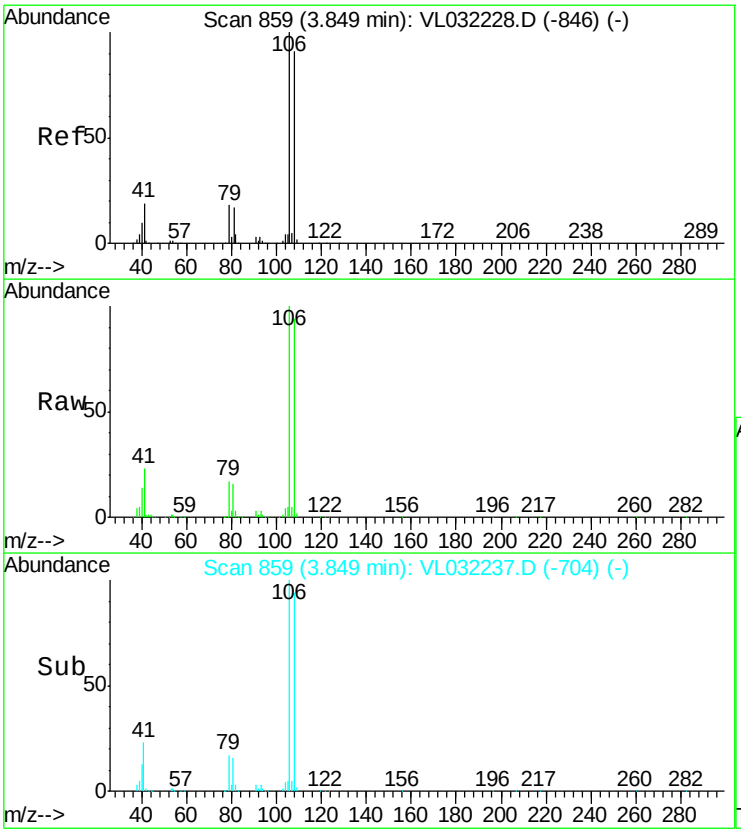
#13
Ethanol
Concen: 7.268 ppbv
RT: 3.71 min Scan# 816
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion: 45 Resp: 195601

Ion	Ratio	Lower	Upper
45	100		
46	38.0	15.5	61.9

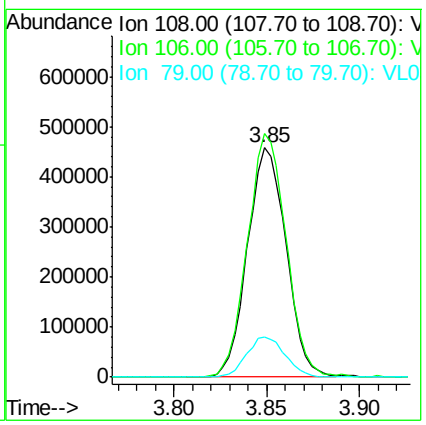


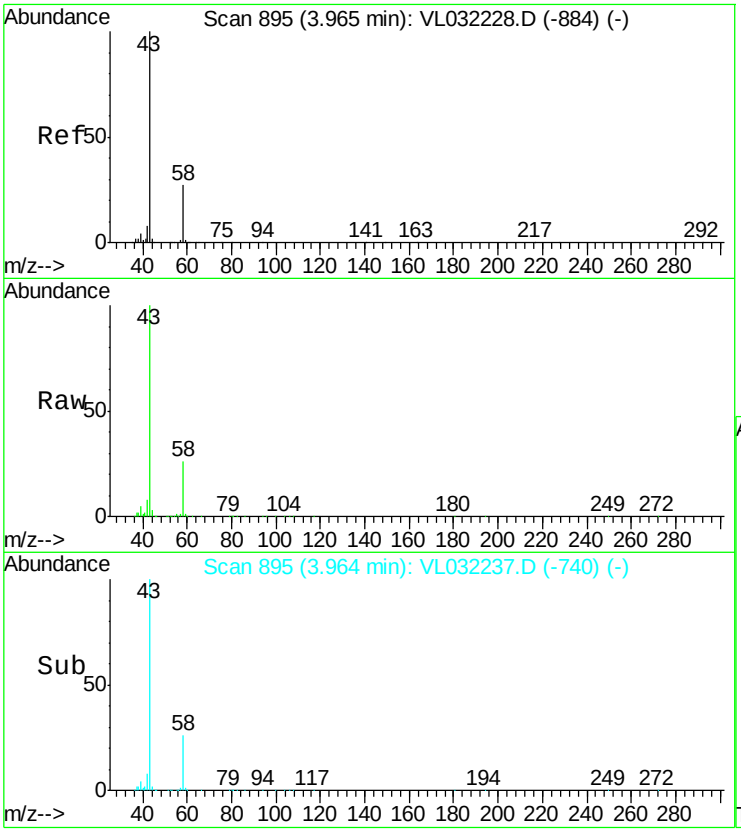


#14
Bromoethene
Concen: 8.979 ppbv
RT: 3.85 min Scan# 859
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion:108 Resp: 663245

Ion	Ratio	Lower	Upper
108	100		
106	106.8	85.5	128.3
79	17.6	14.2	21.4



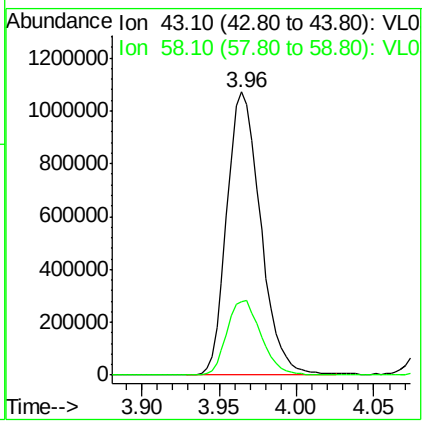


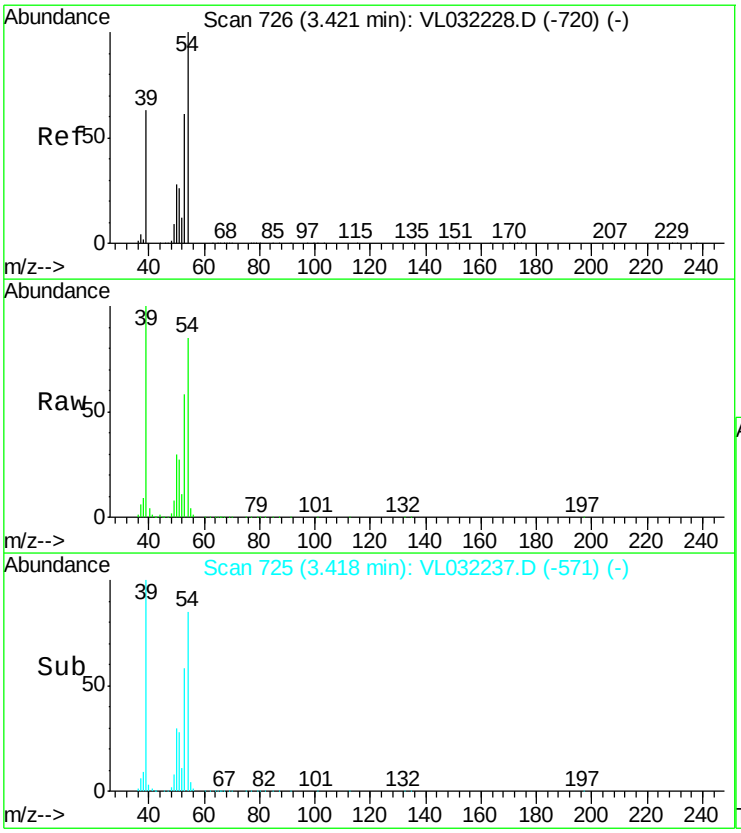
#15
Acetone
Concen: 7.831 ppbv
RT: 3.96 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument :
MSVOA_L
ClientSampleId :
VL0712ABS01

Tgt Ion: 43 Resp: 1617547

Ion	Ratio	Lower	Upper
43	100		
58	26.9	21.5	32.3

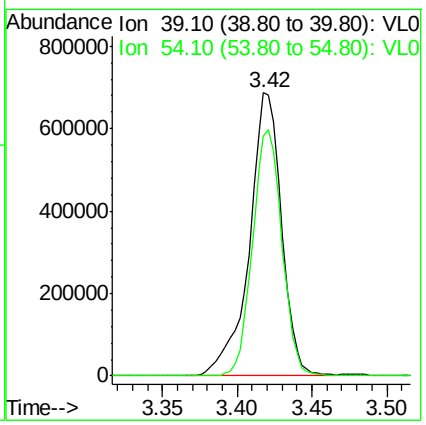


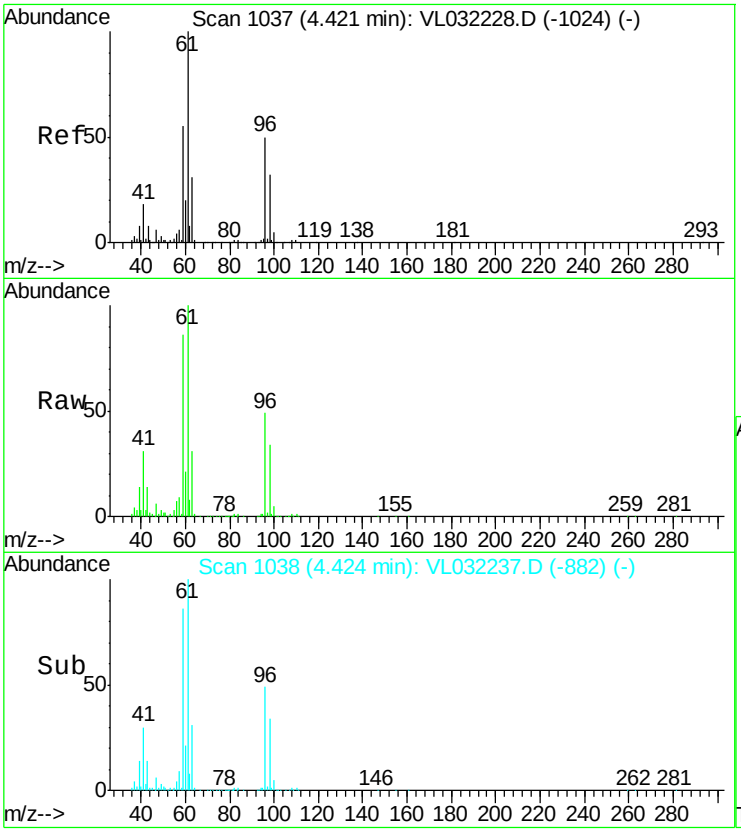


#16
1,3-Butadiene
Concen: 9.855 ppbv
RT: 3.42 min Scan# 725
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 39 Resp: 1028528

Ion	Ratio	Lower	Upper
39	100		
54	79.5	70.0	105.0



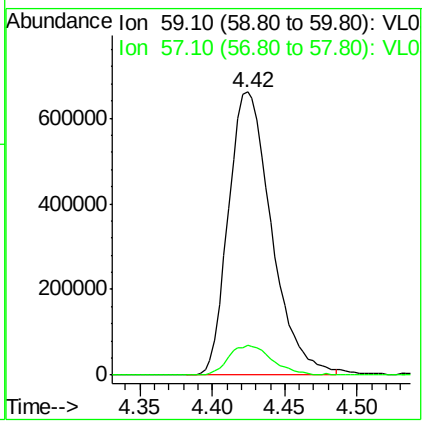


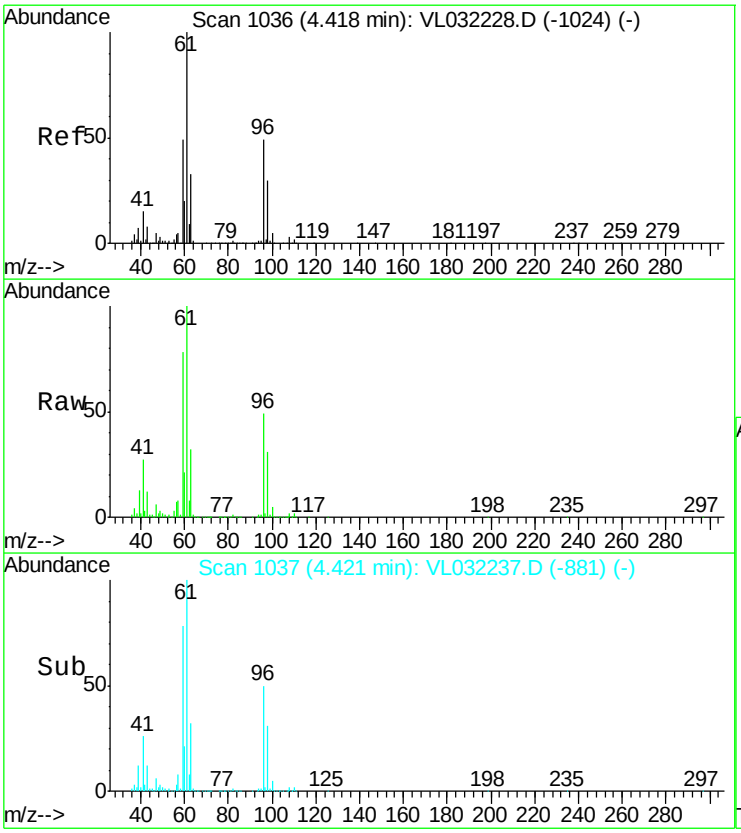
#17
tert-Butyl alcohol
Concen: 14.170 ppbv
RT: 4.42 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion: 59 Resp: 1366542

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.4	12.6

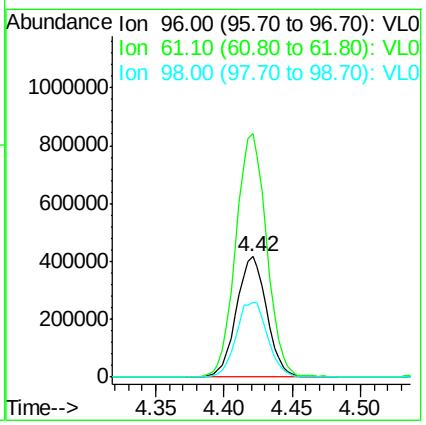


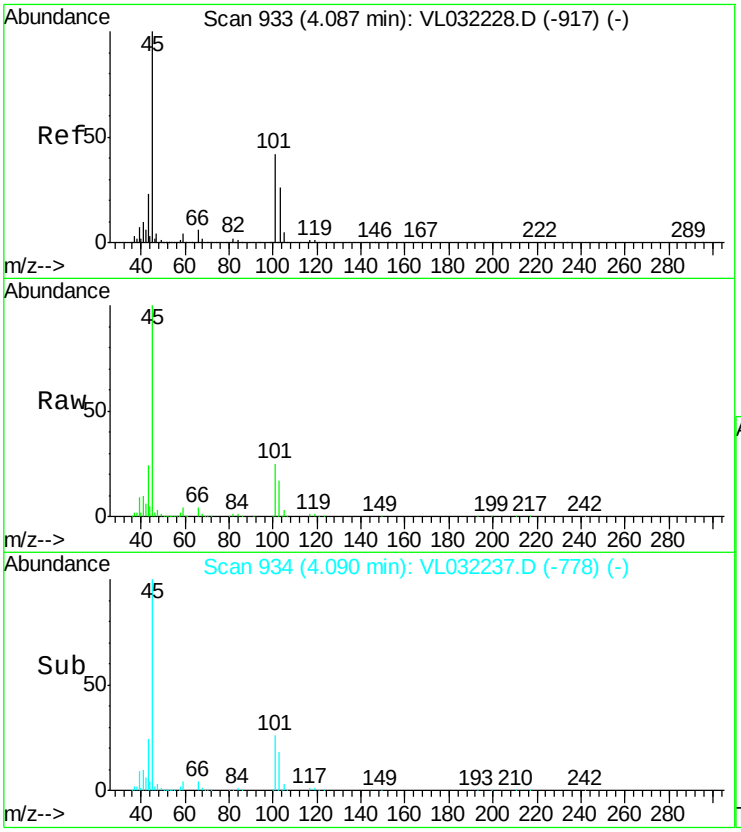


#18
1,1-Dichloroethene
Concen: 8.819 ppbv
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 96 Resp: 642638

Ion	Ratio	Lower	Upper
96	100		
61	202.0	163.0	244.4
98	62.3	48.5	72.7



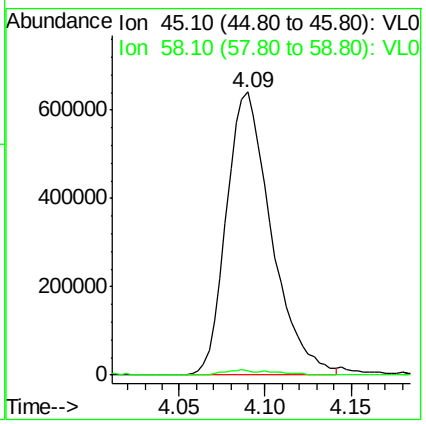


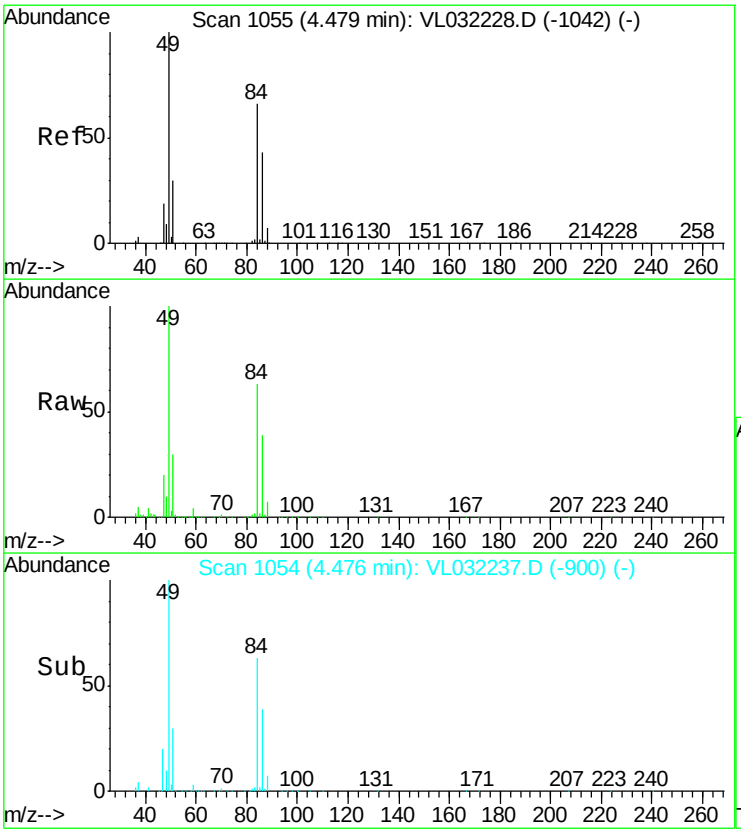
#19
Isopropyl Alcohol
Concen: 8.561 ppbv
RT: 4.09 min Scan# 934
Delta R.T. 0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion: 45 Resp: 1161062

Ion	Ratio	Lower	Upper
45	100		
58	2.2	1.3	1.9#

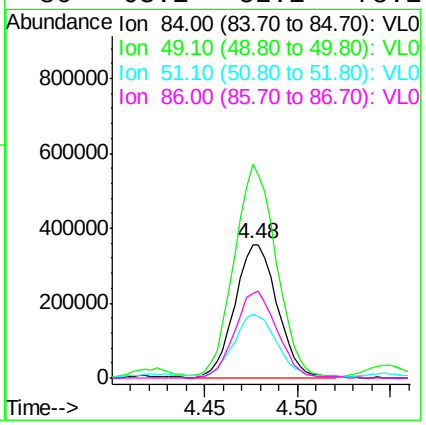


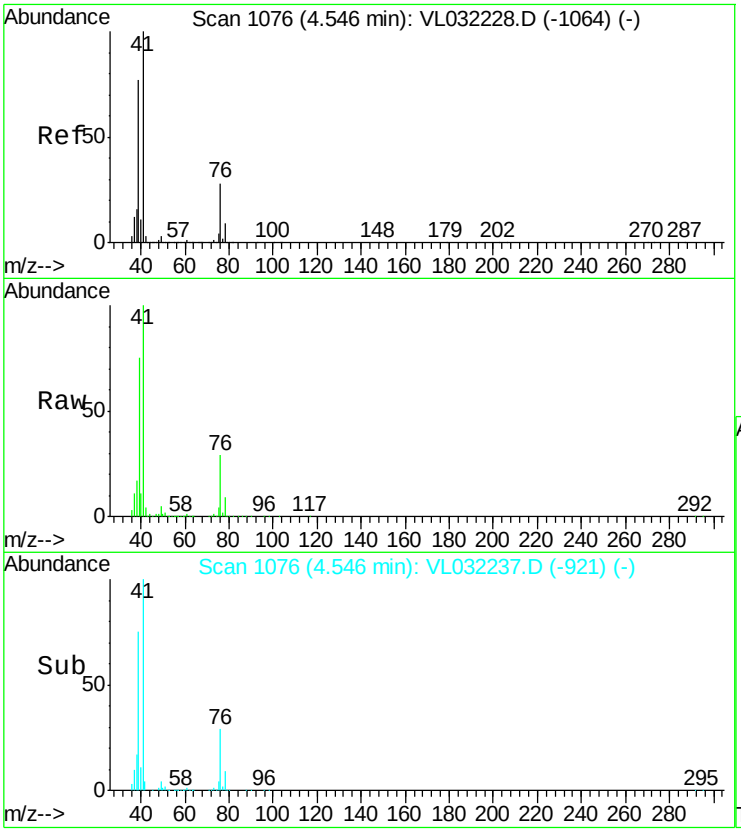


#20
Methylene Chloride
Concen: 8.026 ppbv
RT: 4.48 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 84 Resp: 561743

Ion	Ratio	Lower	Upper
84	100		
49	159.0	121.8	182.6
51	47.4	36.3	54.5
86	63.1	52.1	78.1



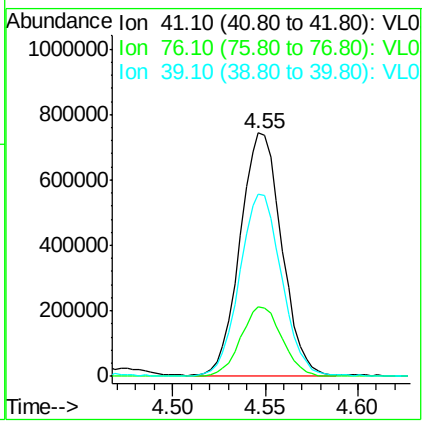


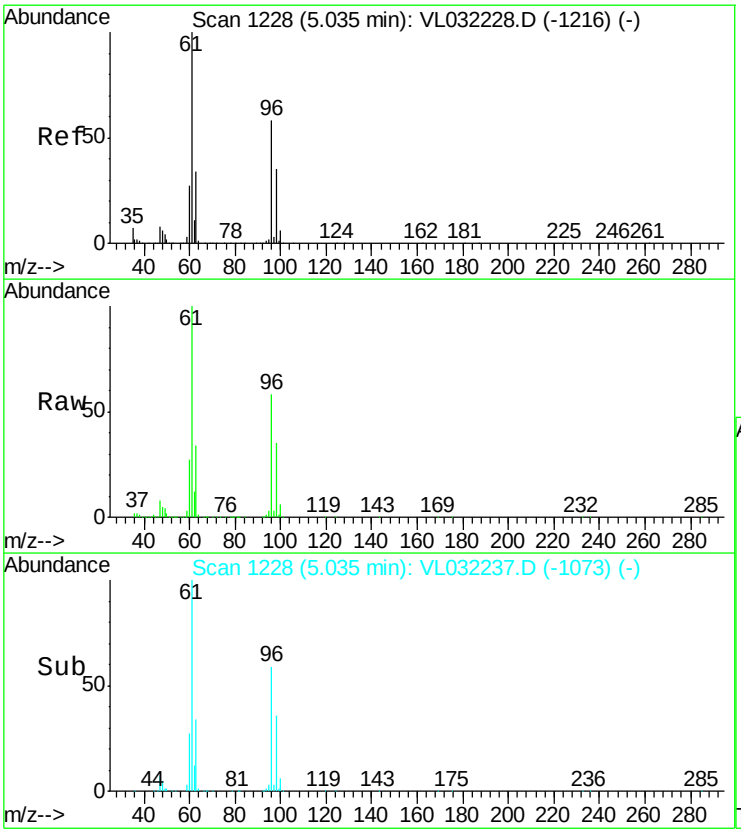
#21
Allyl Chloride
Concen: 9.488 ppbv
RT: 4.55 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion: 41 Resp: 1147285

Ion	Ratio	Lower	Upper
41	100		
76	28.5	22.9	34.3
39	76.0	62.3	93.5

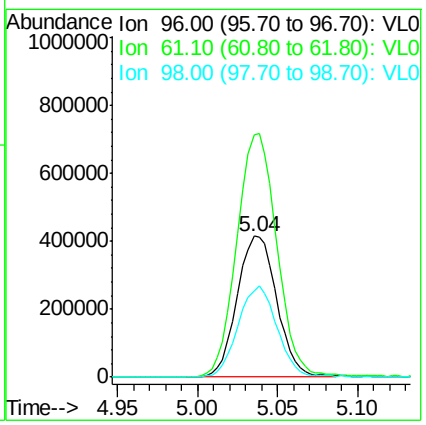


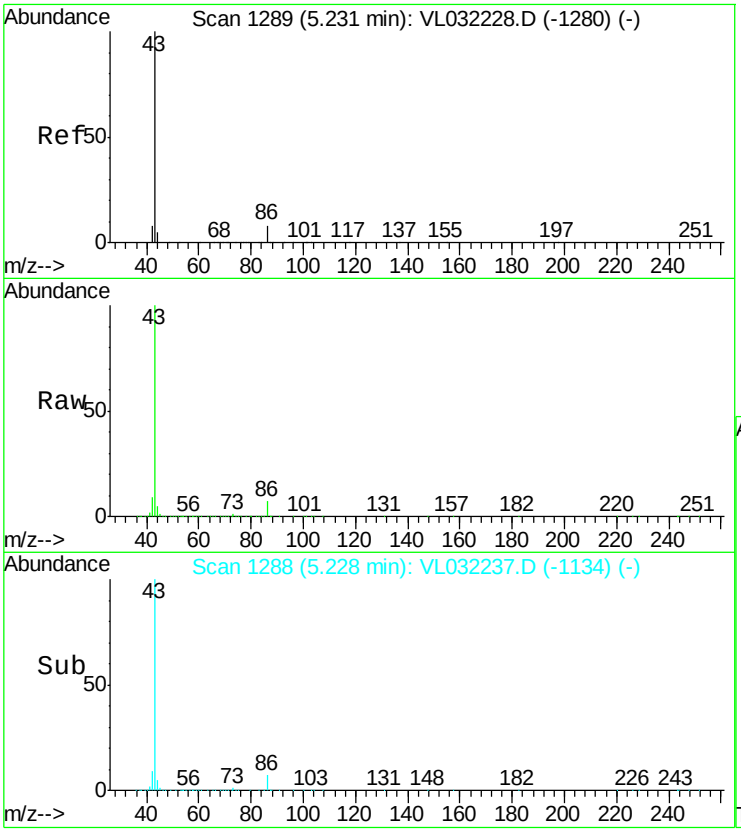


#22
trans-1,2-Dichloroethene
Concen: 10.131 ppbv
RT: 5.04 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 96 Resp: 702662

Ion	Ratio	Lower	Upper
96	100		
61	172.0	139.1	208.7
98	60.7	48.4	72.6



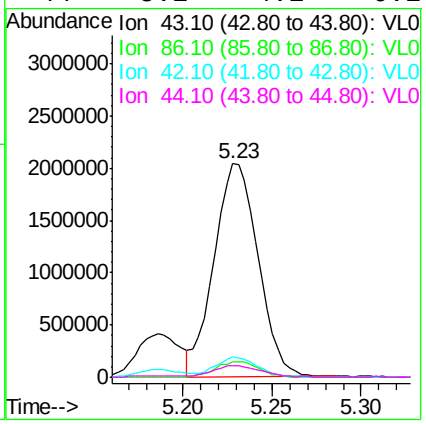


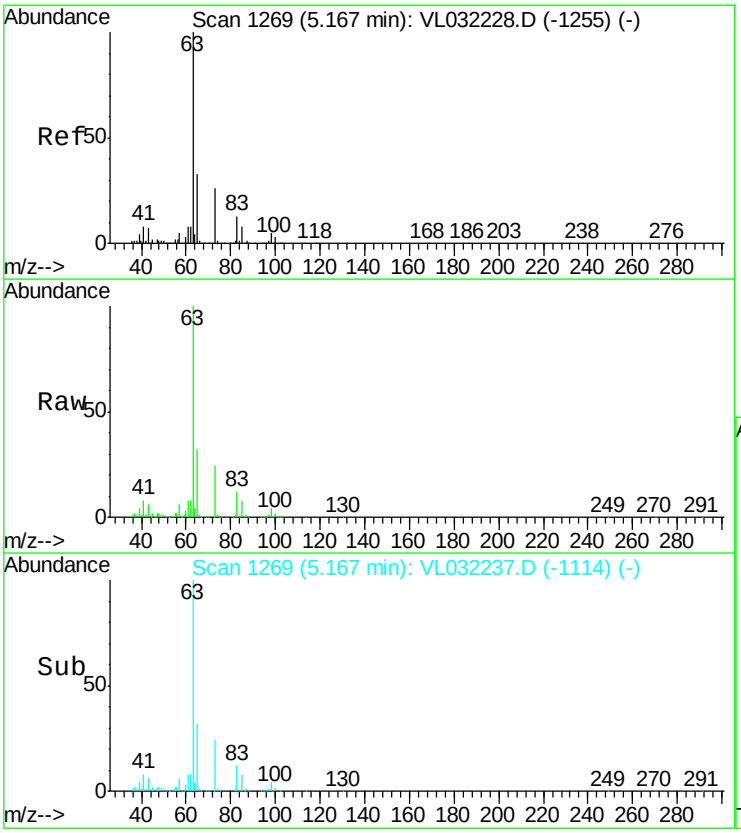
#23
Vinyl Acetate
Concen: 10.191 ppbv
RT: 5.23 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion: 43 Resp: 3500683

Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.9	8.9
42	9.4	7.0	10.6
44	5.2	4.2	6.2

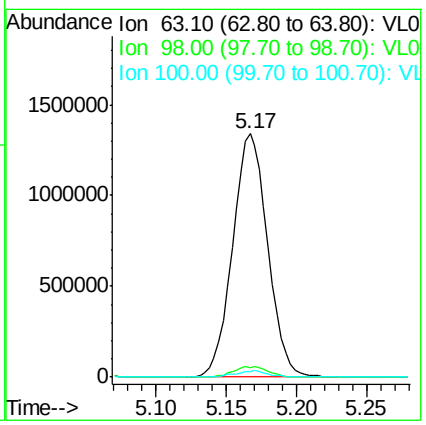


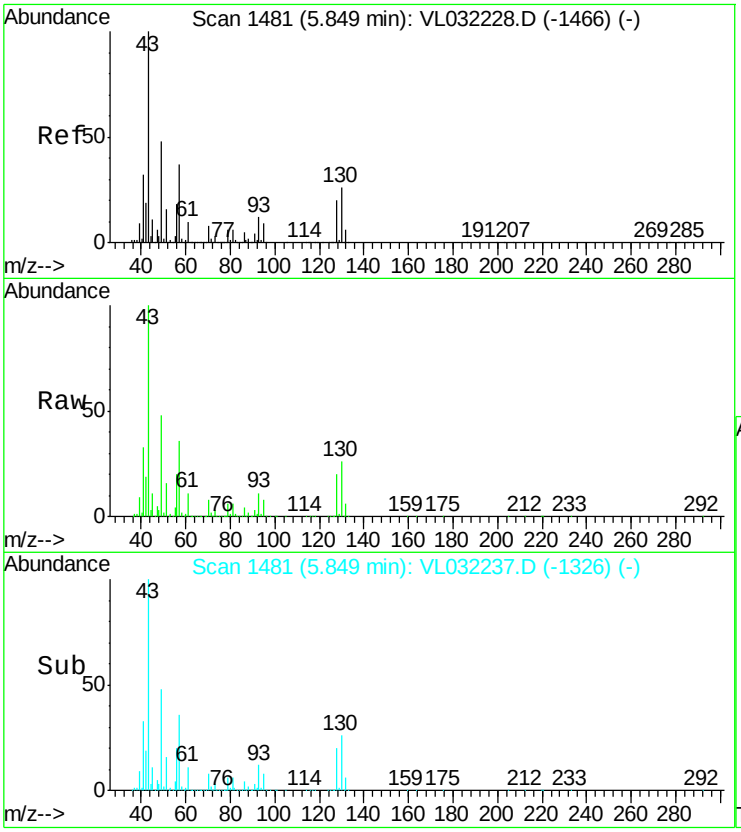


#24
1,1-Dichloroethane
Concen: 9.641 ppbv
RT: 5.17 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 63 Resp: 2325413

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.4	7.1
100	2.4	1.5	4.4



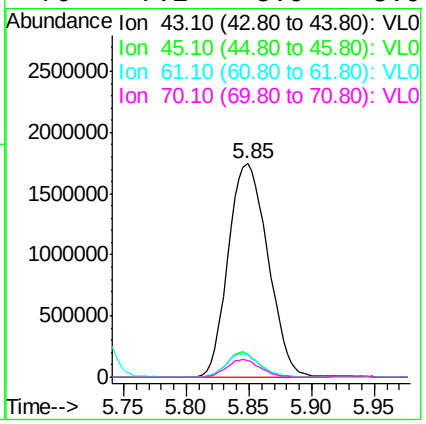


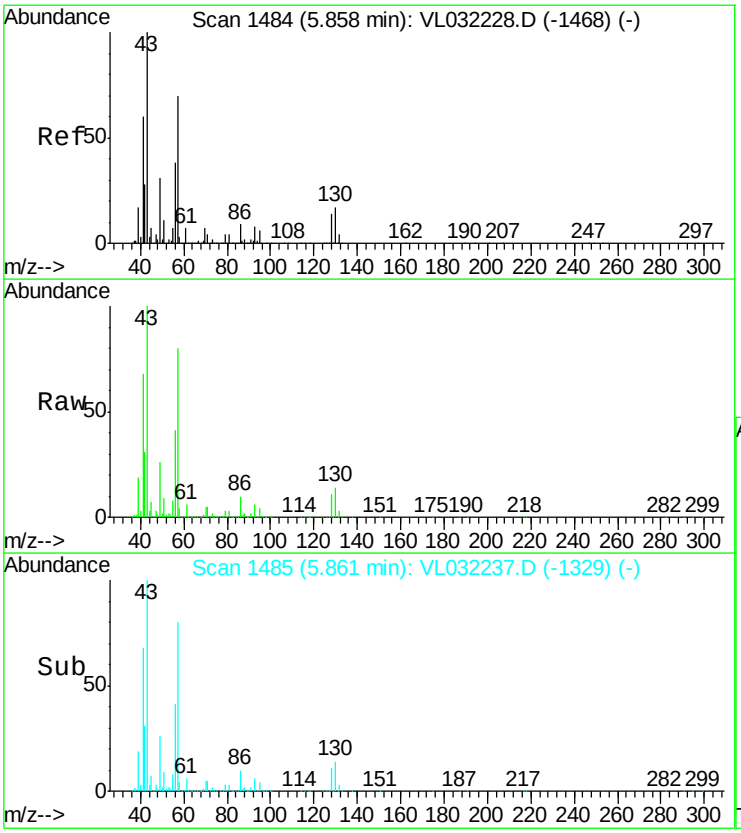
#25
Ethyl Acetate
Concen: 9.367 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion: 43 Resp: 3828488

Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.3	7.7	11.5
70	7.2	5.9	8.9

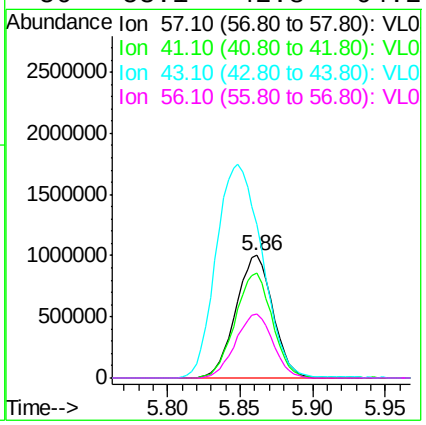


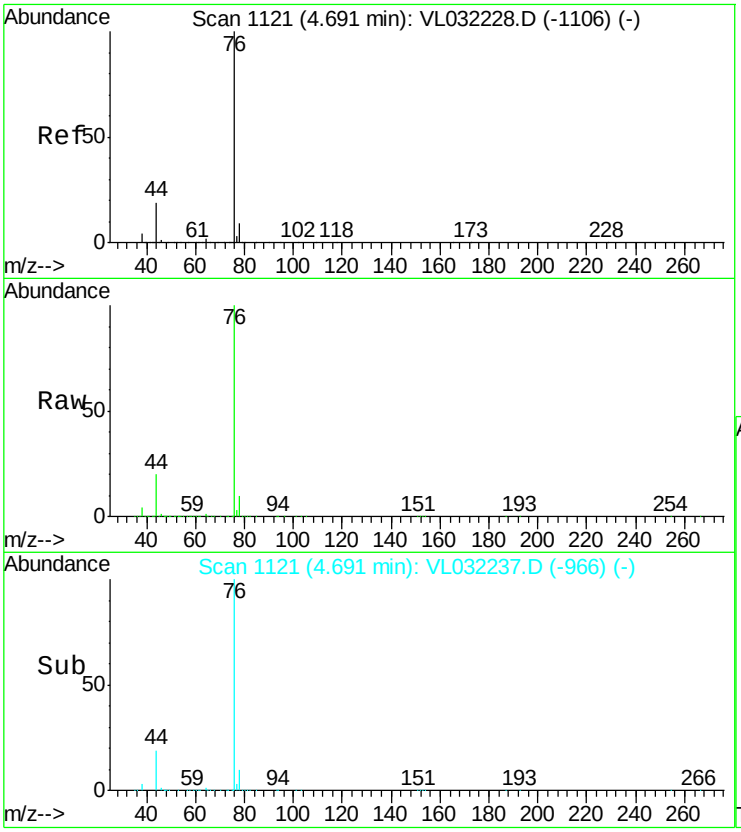


#26
Hexane
Concen: 9.554 ppbv
RT: 5.86 min Scan# 1485
Delta R.T. 0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 57 Resp: 1781339

Ion	Ratio	Lower	Upper
57	100		
41	86.7	68.7	103.1
43	216.0	176.2	264.2
56	53.1	42.8	64.2



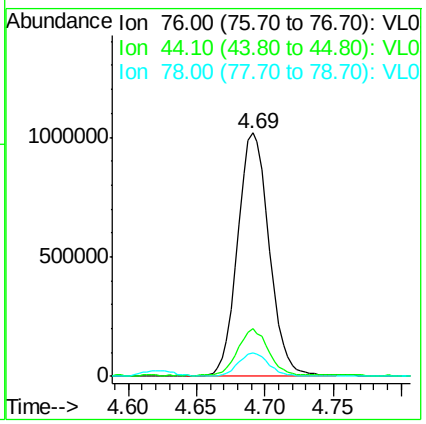


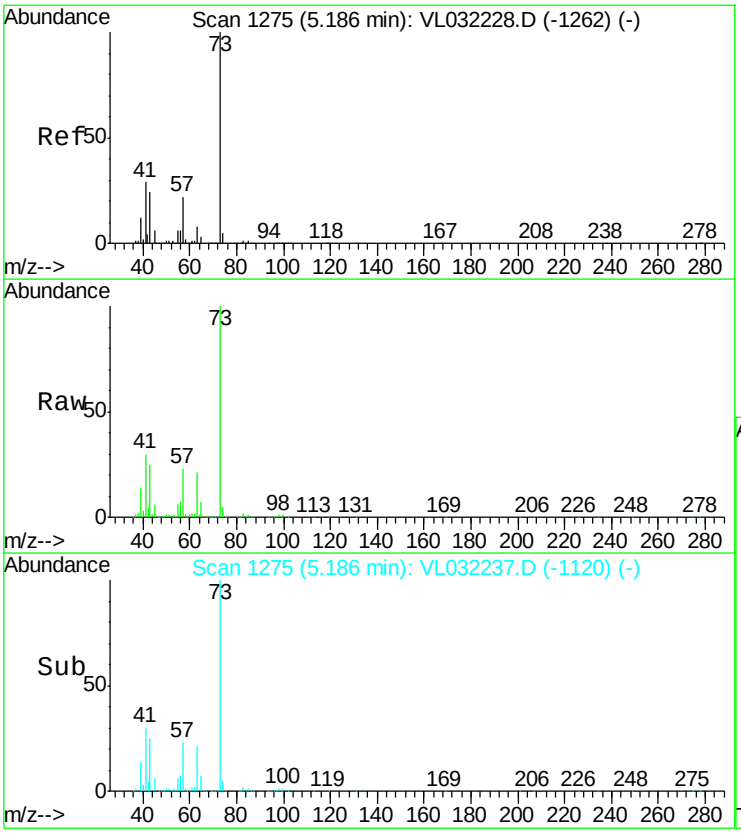
#27
Carbon Disulfide
Concen: 9.825 ppbv
RT: 4.69 min Scan# 1121
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument :
MSVOA_L
ClientSampleId :
VL0712ABS01

Tgt Ion: 76 Resp: 1639090

Ion	Ratio	Lower	Upper
76	100		
44	19.3	15.1	22.7
78	9.4	7.4	11.0

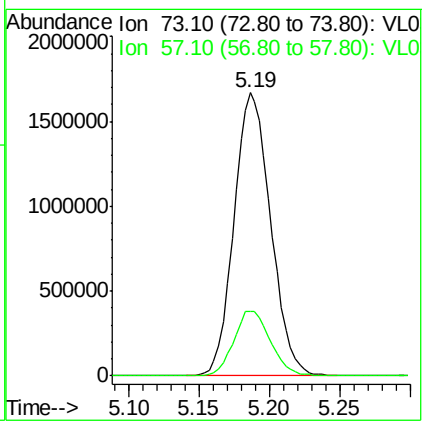


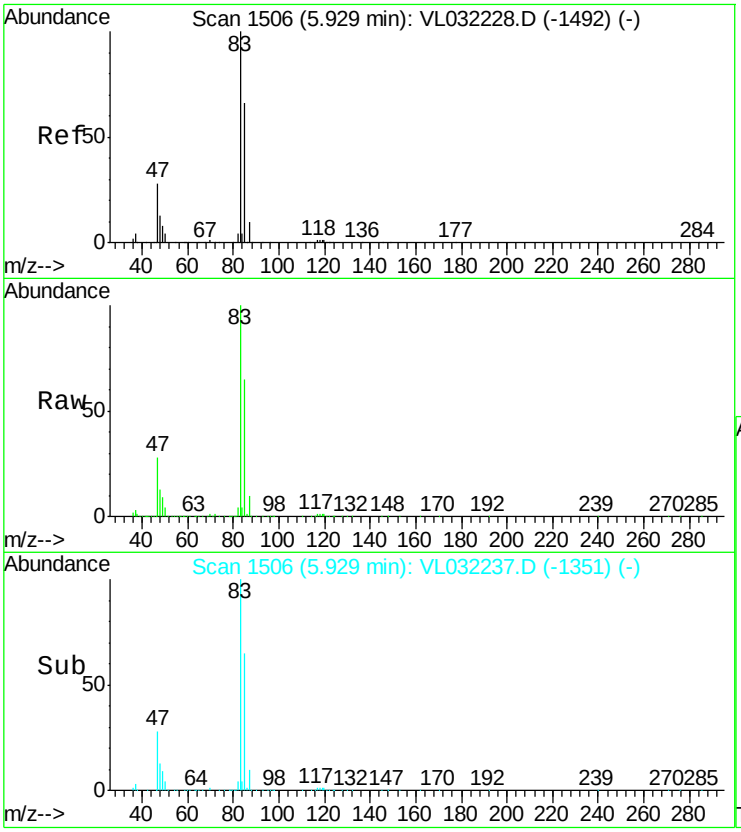


#28
Methyl tert-Butyl Ether
Concen: 10.356 ppbv
RT: 5.19 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 73 Resp: 3039142

Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.6	27.8



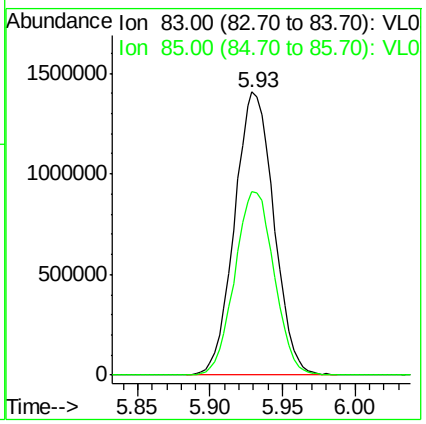


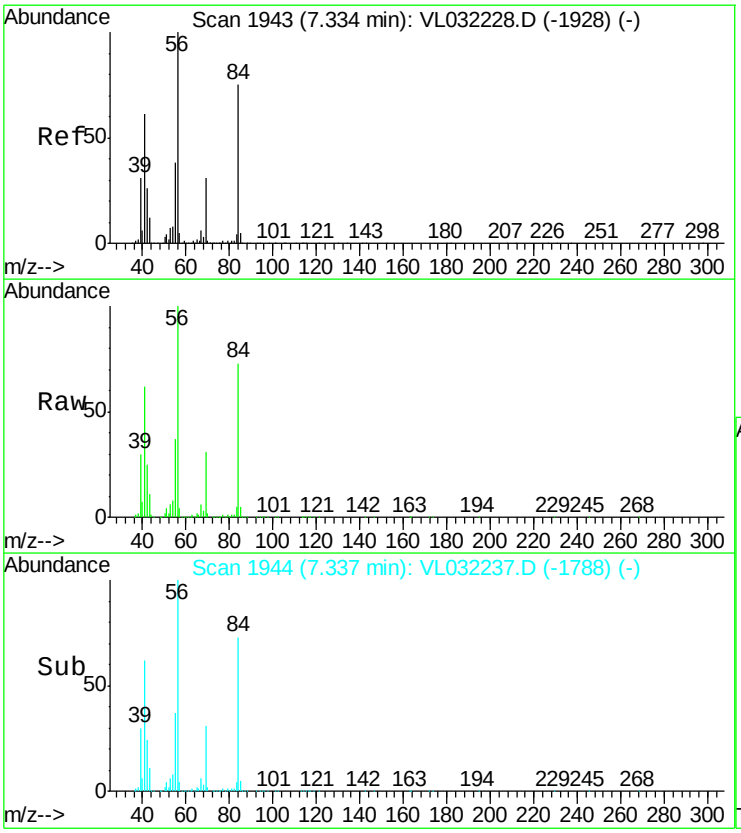
#29
Chloroform
Concen: 9.171 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument :
MSVOA_L
ClientSampleId :
VL0712ABS01

Tgt Ion: 83 Resp: 2639821

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.7	79.1

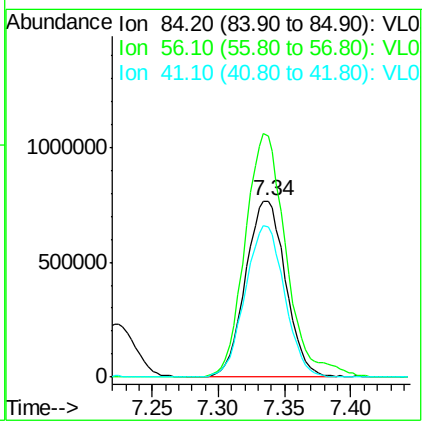


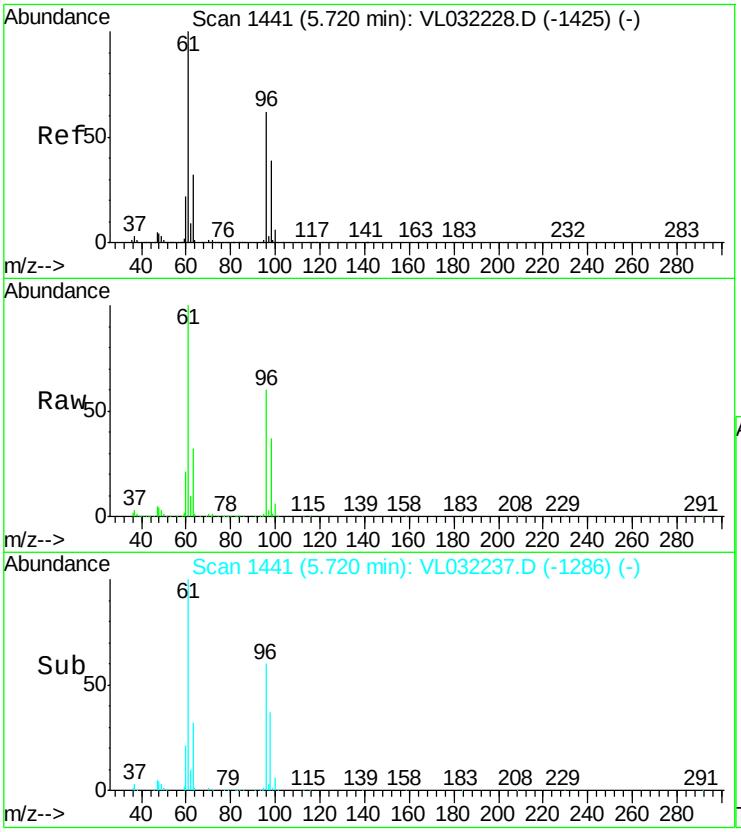


#30
Cyclohexane
Concen: 9.789 ppbv
RT: 7.34 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 84 Resp: 1610572

Ion	Ratio	Lower	Upper
84	100		
56	142.5	112.6	168.8
41	84.9	67.0	100.6



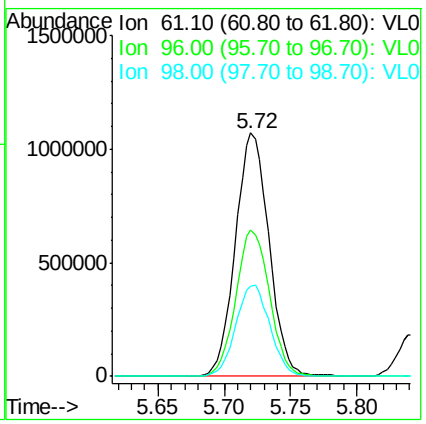


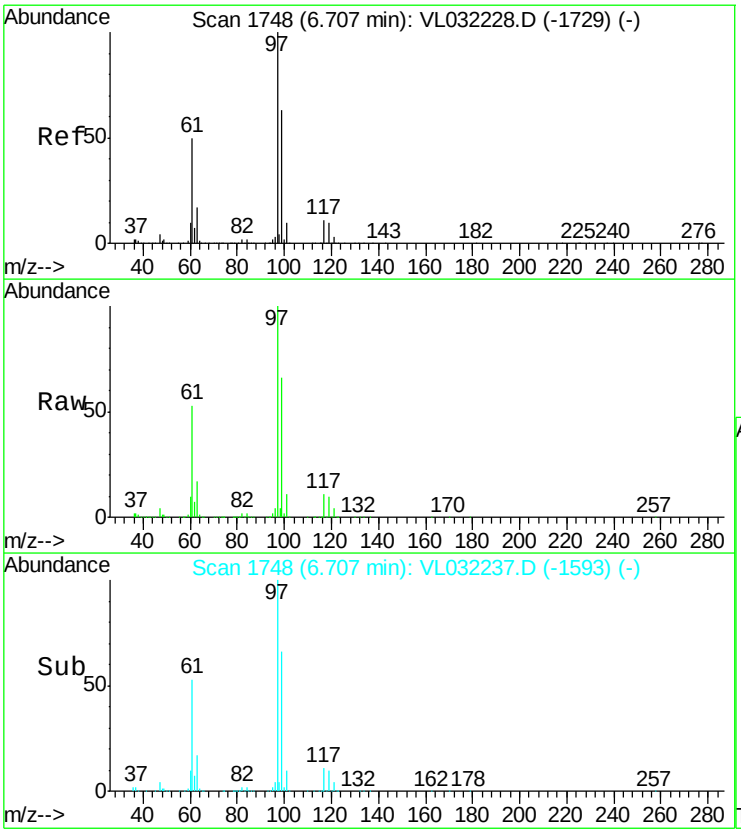
#31
cis-1,2-Dichloroethene
Concen: 10.140 ppbv
RT: 5.72 min Scan# 1441
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument :
MSVOA_L
ClientSampleId :
VL0712ABS01

Tgt Ion: 61 Resp: 1886764

Ion	Ratio	Lower	Upper
61	100		
96	60.2	49.8	74.8
98	37.2	31.4	47.2

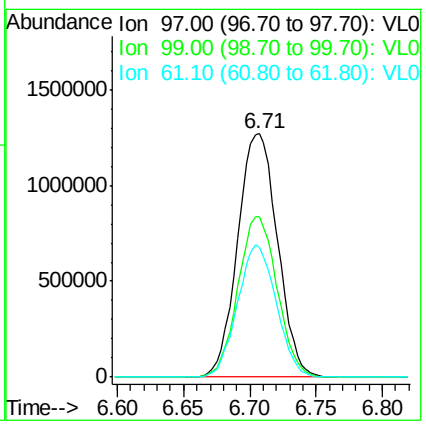


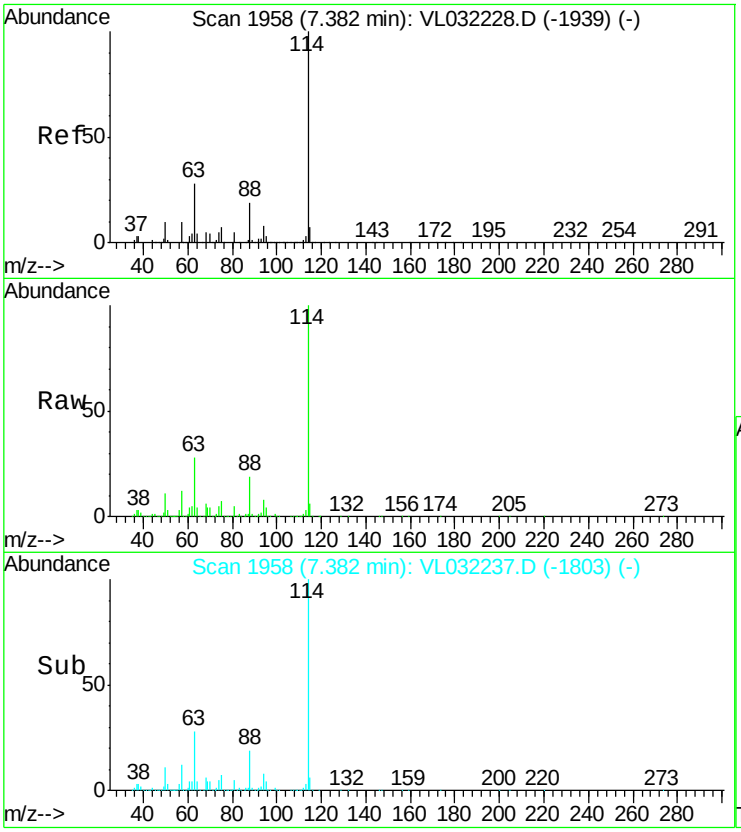


#32
1,1,1-Trichloroethane
Concen: 9.497 ppbv
RT: 6.71 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 97 Resp: 2652497

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.2	76.8
61	52.9	41.3	61.9



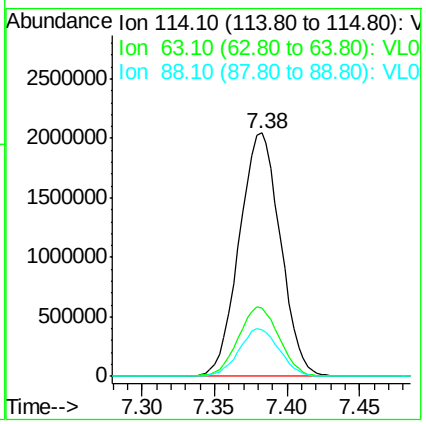


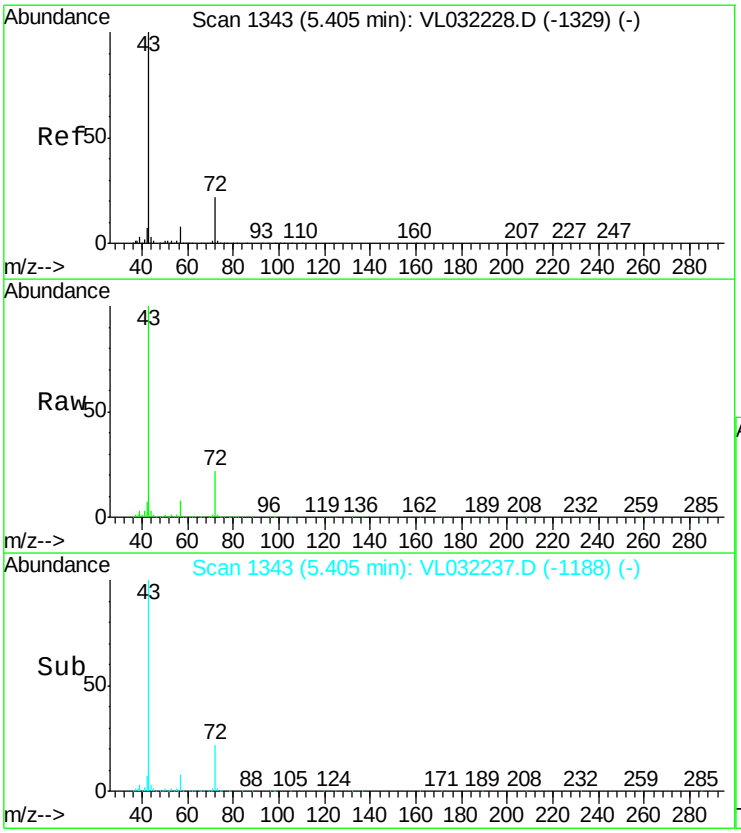
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.38 min Scan# 1958
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument :
MSVOA_L
ClientSampleId :
VL0712ABS01

Tgt Ion:114 Resp: 4035236

Ion	Ratio	Lower	Upper
114	100		
63	28.7	22.5	33.7
88	19.3	15.4	23.0

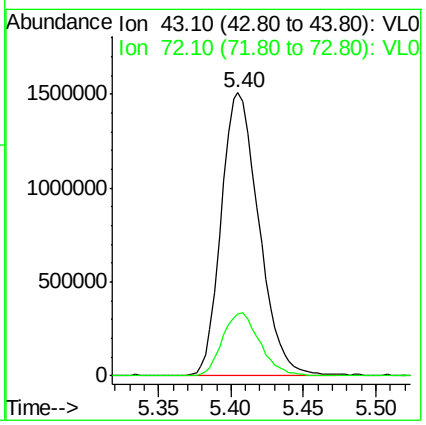


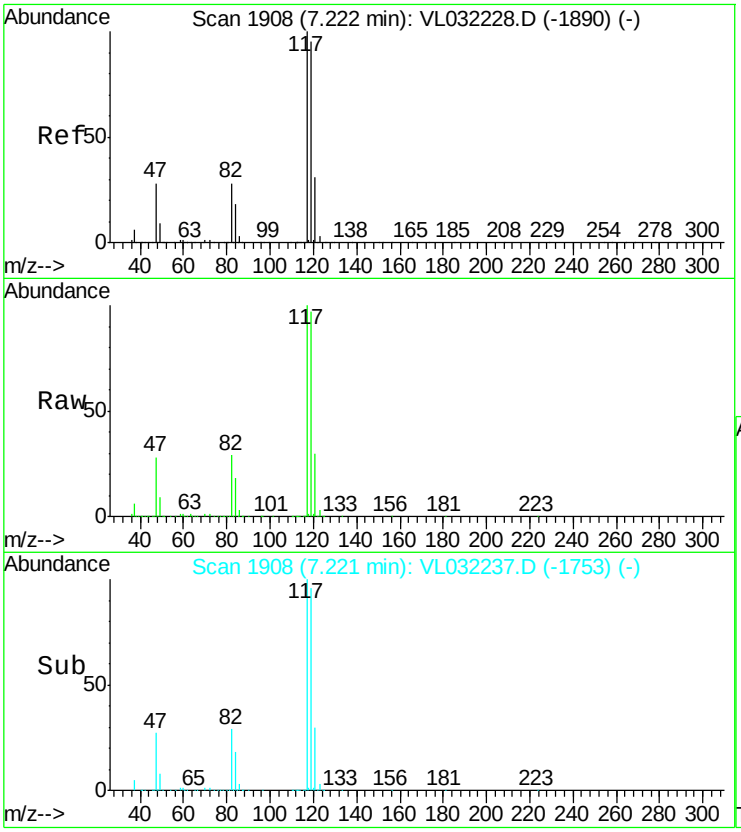


#34
2-Butanone
Concen: 9.839 ppbv
RT: 5.40 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 43 Resp: 2705039

Ion	Ratio	Lower	Upper
43	100		
72	22.2	18.1	27.1



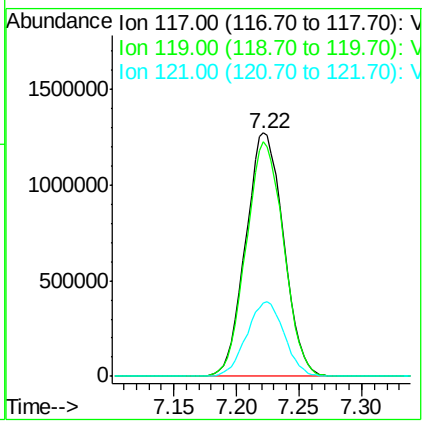


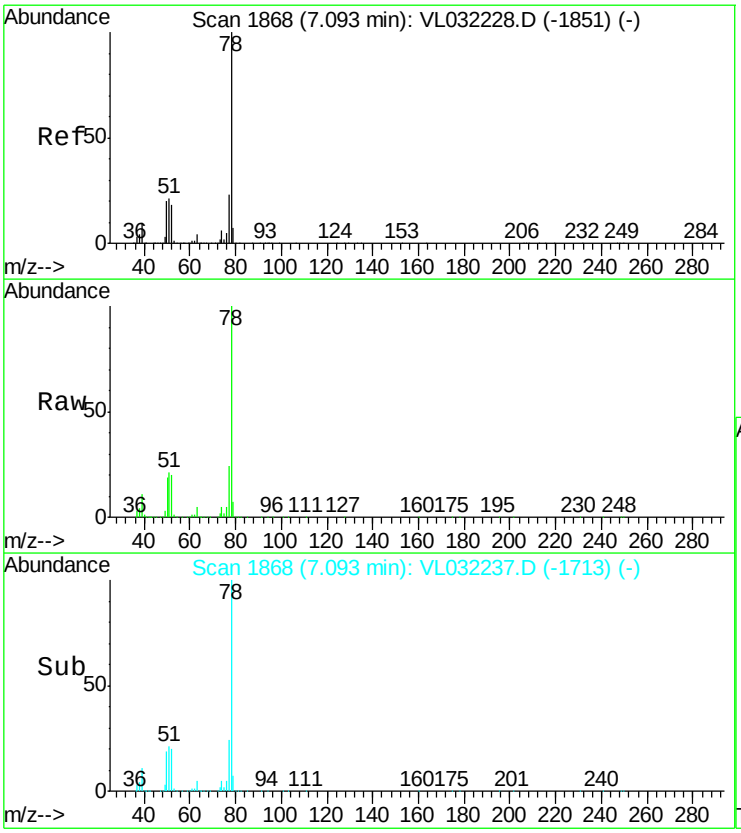
#35
Carbon Tetrachloride
Concen: 9.800 ppbv
RT: 7.22 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument :
MSVOA_L
ClientSampleId :
VL0712ABS01

Tgt Ion:117 Resp: 2676373

Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.7	113.5
121	30.0	24.6	37.0

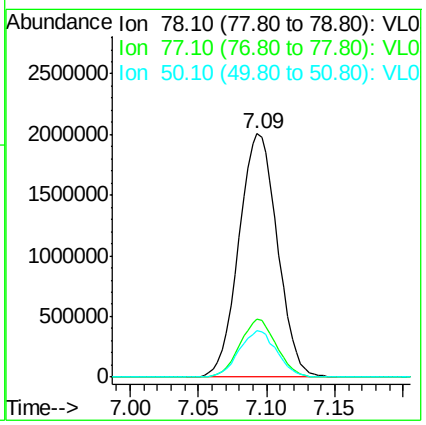


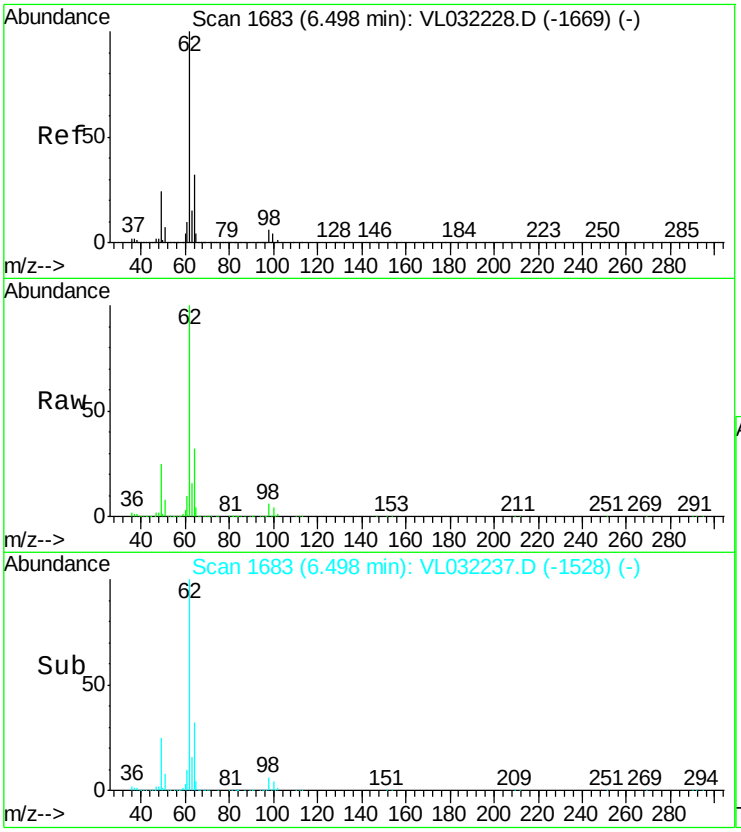


#36
Benzene
Concen: 9.806 ppbv
RT: 7.09 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 78 Resp: 3932718

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.0	27.0
50	19.3	15.8	23.8



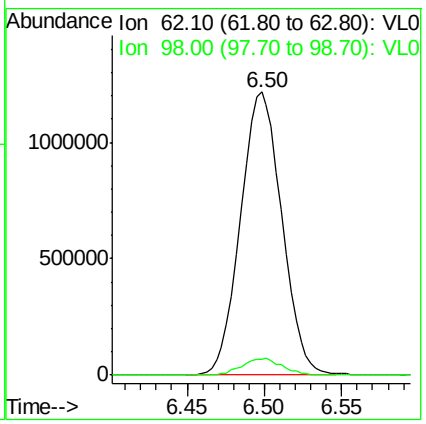


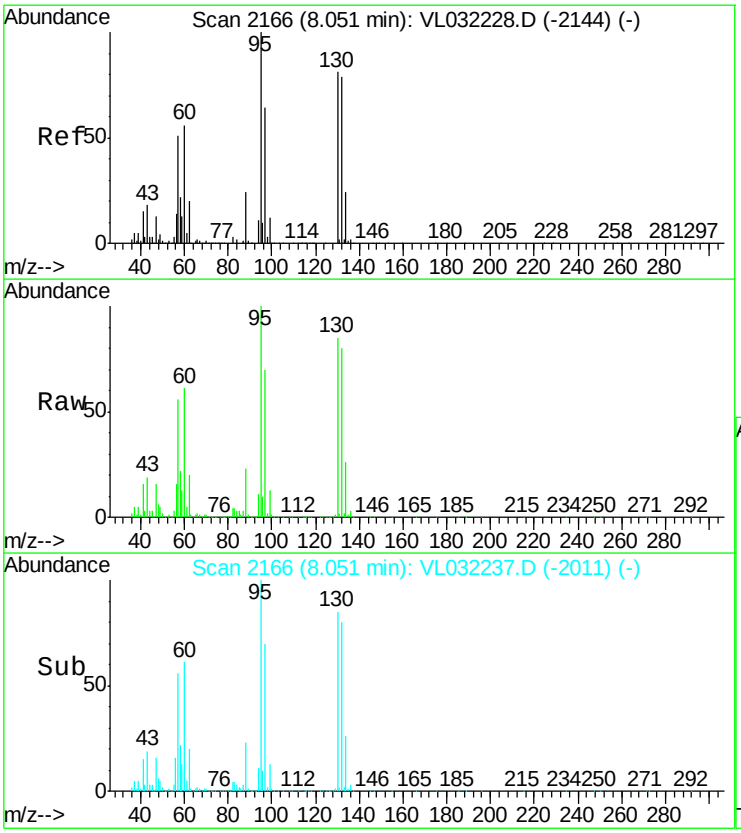
#37
1,2-Dichloroethane
Concen: 10.287 ppbv
RT: 6.50 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion: 62 Resp: 2258659

Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.6	7.0

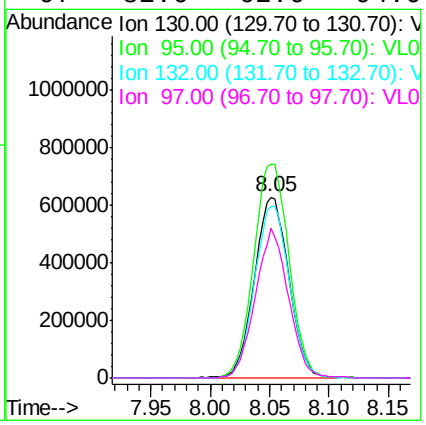


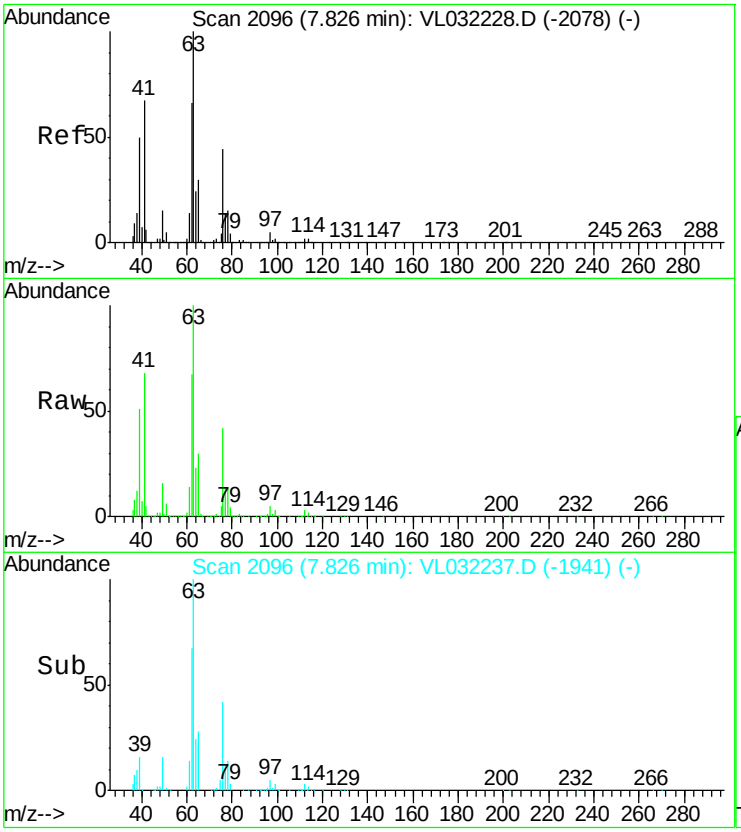


#38
Trichloroethene
Concen: 9.123 ppbv
RT: 8.05 min Scan# 2166
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion:130 Resp: 1254871

Ion	Ratio	Lower	Upper
130	100		
95	118.3	98.3	147.5
132	94.9	78.1	117.1
97	82.6	62.6	94.0



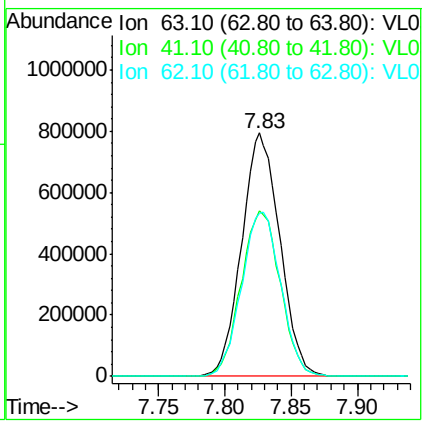


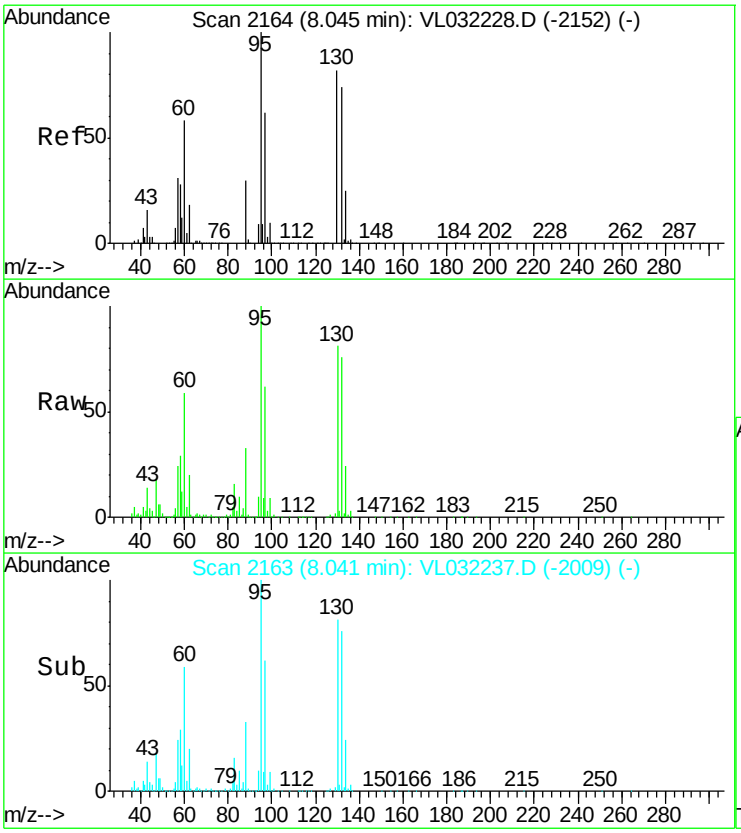
#39
1,2-Dichloropropane
Concen: 9.986 ppbv
RT: 7.83 min Scan# 2096
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion: 63 Resp: 1591449

Ion	Ratio	Lower	Upper
63	100		
41	68.0	53.8	80.6
62	66.7	53.1	79.7

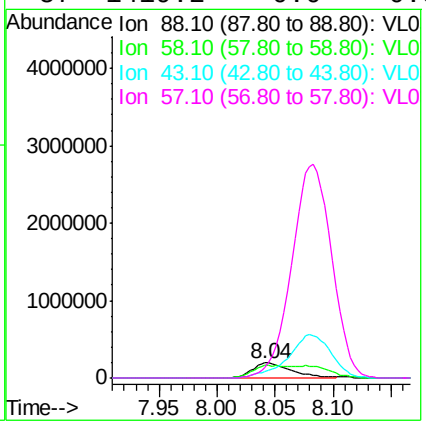


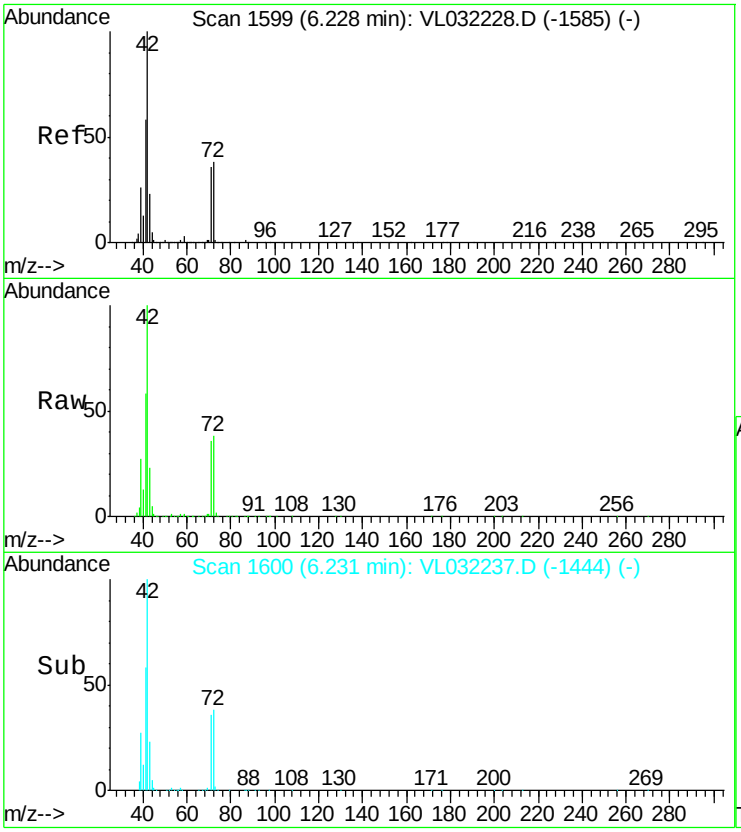


#40
1,4-Dioxane
Concen: 8.547 ppbv
RT: 8.04 min Scan# 2163
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 88 Resp: 467113

Ion	Ratio	Lower	Upper
88	100		
58	147.0	117.4	176.2
43	310.5	0.0	0.0#
57	1419.2	0.0	0.0#



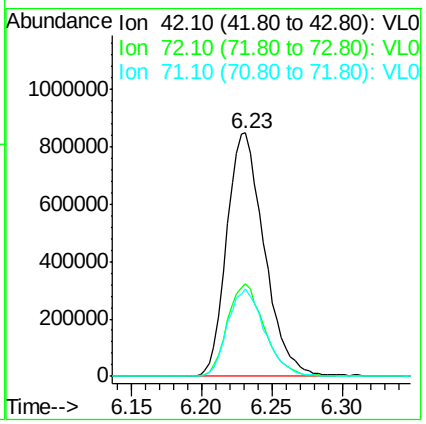


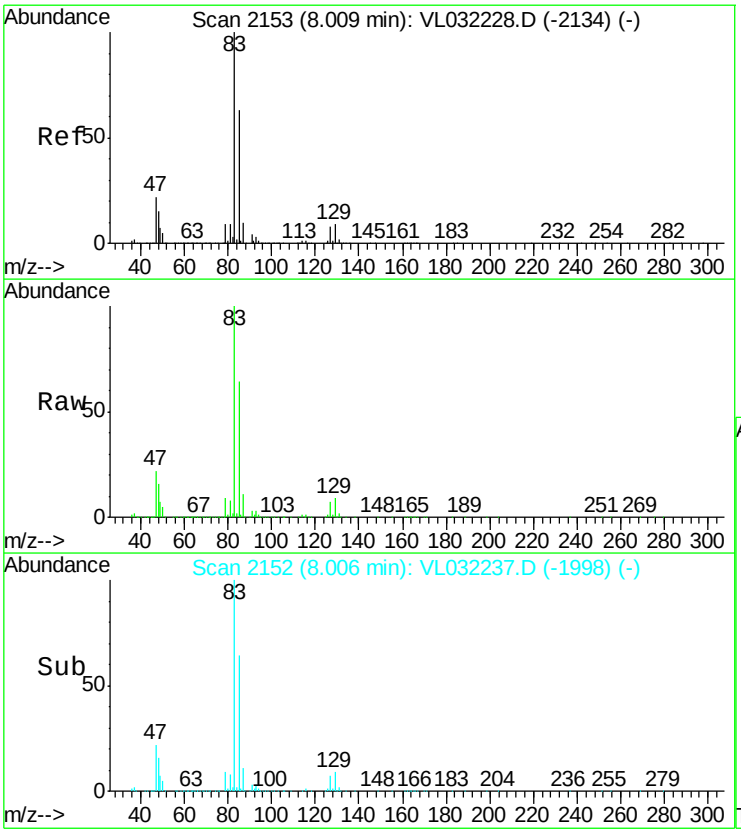
#41
Tetrahydrofuran
Concen: 10.275 ppbv
RT: 6.23 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument :
MSVOA_L
ClientSampleId :
VL0712ABS01

Tgt Ion: 42 Resp: 1580985

Ion	Ratio	Lower	Upper
42	100		
72	37.7	30.6	45.8
71	35.8	29.7	44.5

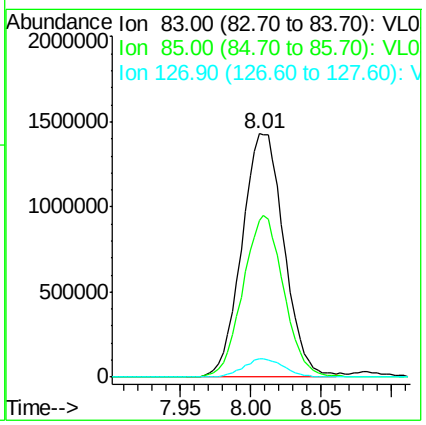


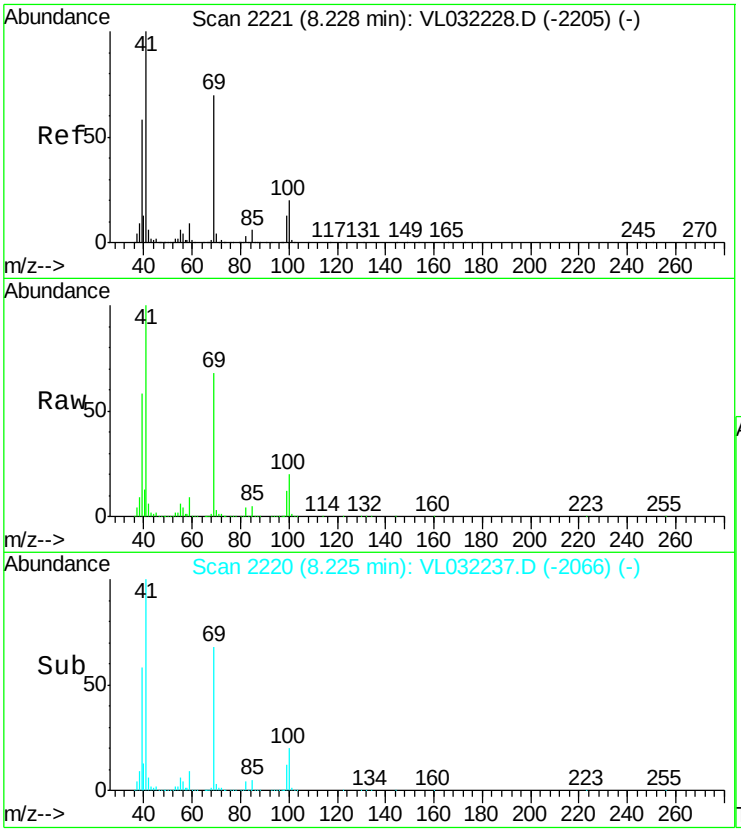


#42
Bromodichloromethane
Concen: 9.564 ppbv
RT: 8.01 min Scan# 2152
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 83 Resp: 2989927

Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.6	76.0
127	7.3	6.1	9.1



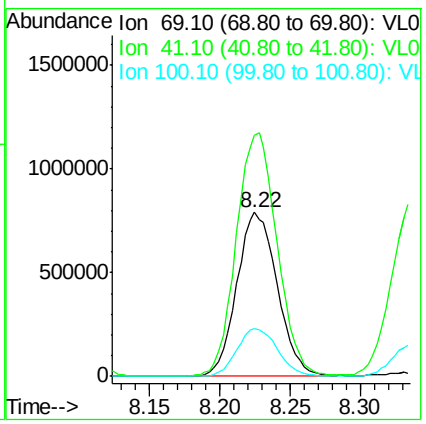


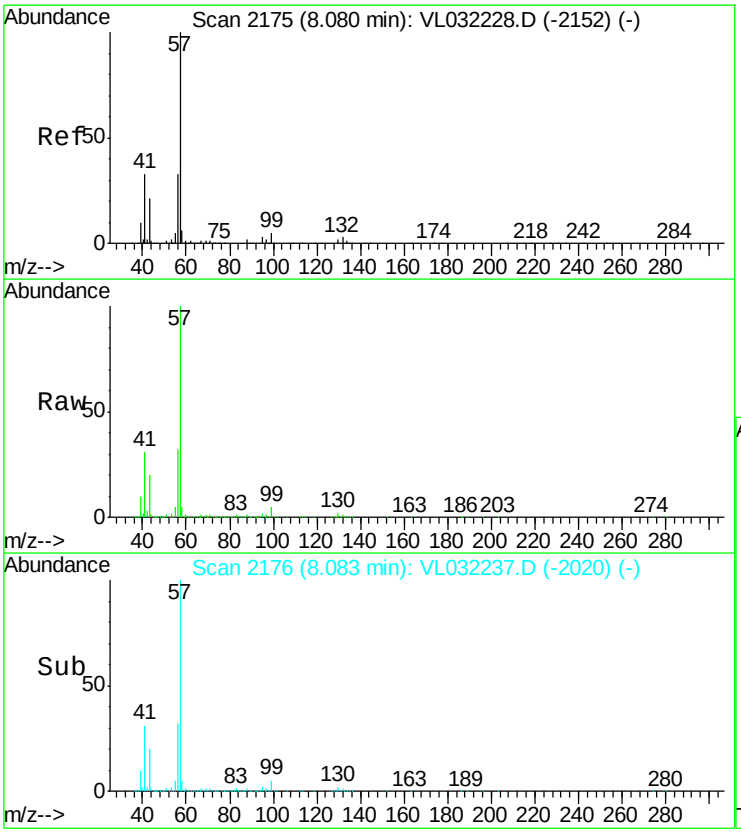
#43
Methyl Methacrylate
Concen: 10.259 ppbv
RT: 8.22 min Scan# 2220
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion: 69 Resp: 1589771

Ion	Ratio	Lower	Upper
69	100		
41	149.8	116.3	174.5
100	29.6	23.8	35.8

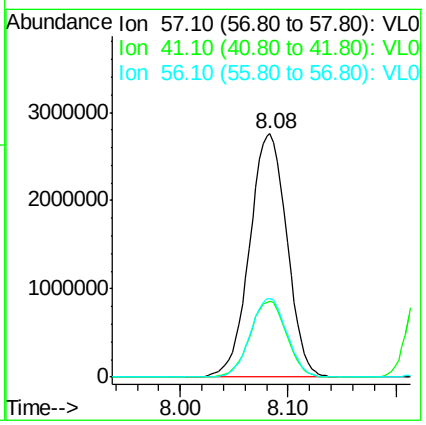


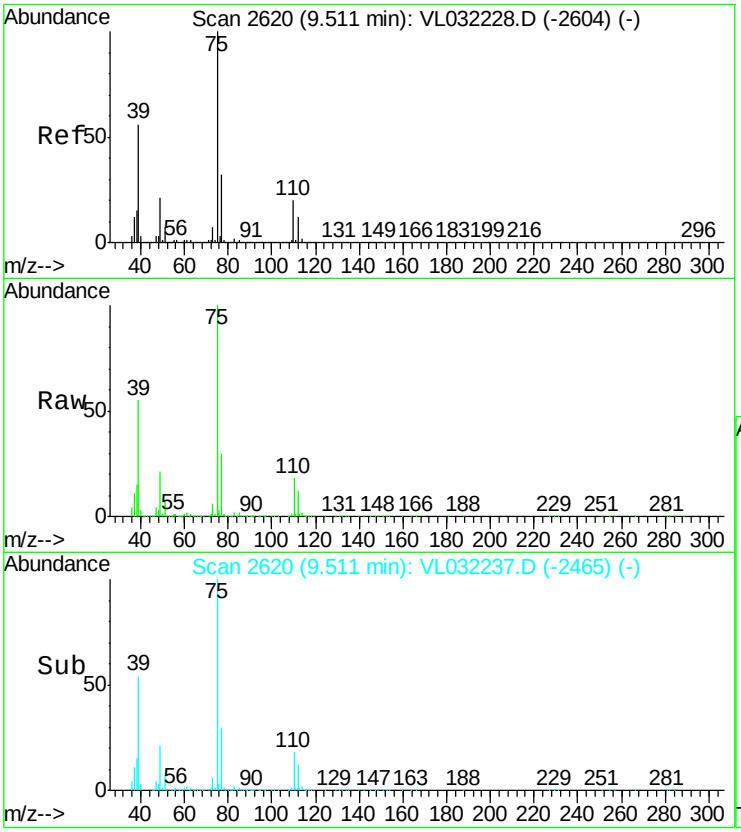


#44
2,2,4-Trimethylpentane
Concen: 9.599 ppbv
RT: 8.08 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 57 Resp: 6620861

Ion	Ratio	Lower	Upper
57	100		
41	30.8	24.7	37.1
56	31.6	25.4	38.0



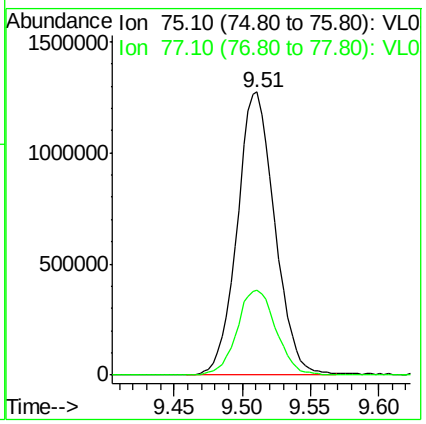


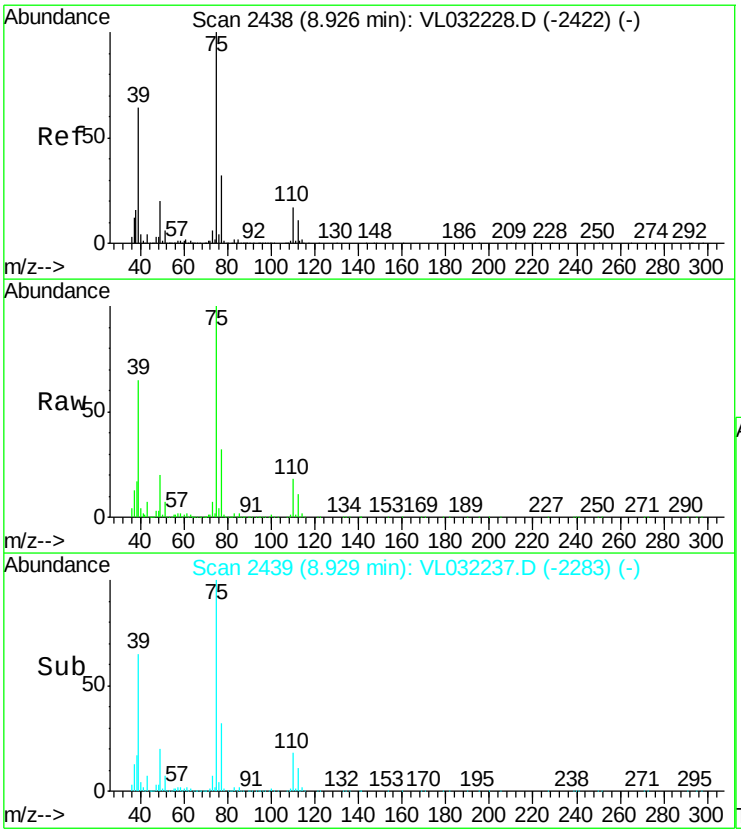
#45
t-1,3-Dichloropropene
Concen: 13.158 ppbv
RT: 9.51 min Scan# 2620
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument :
MSVOA_L
ClientSampleId :
VL0712ABS01

Tgt Ion: 75 Resp: 2428471

Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.5	38.3

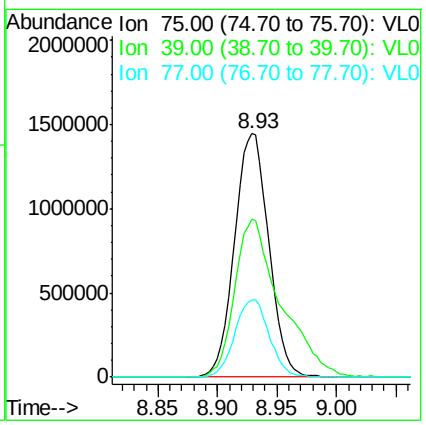


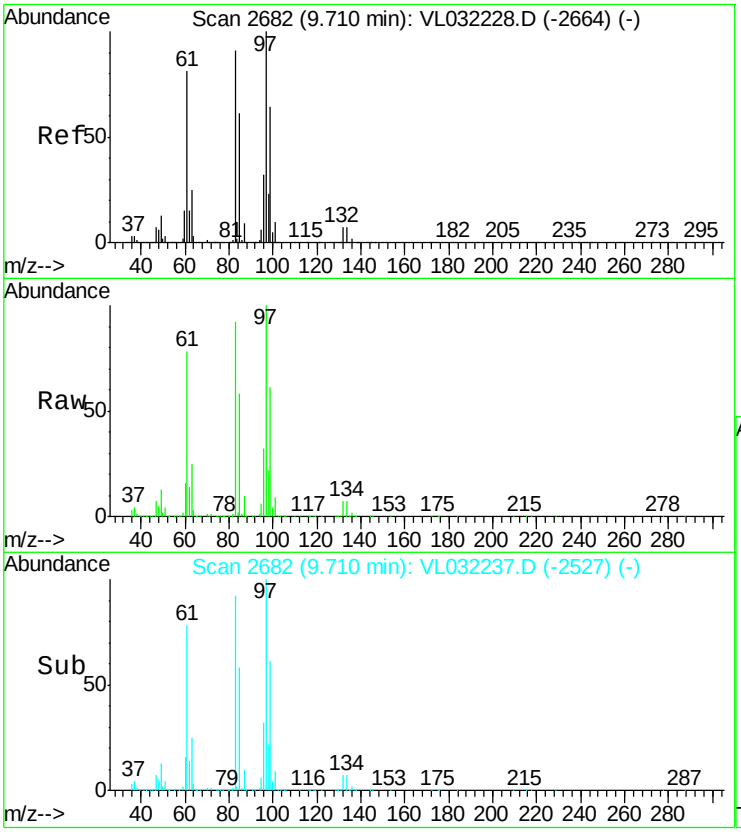


#46
cis-1,3-Dichloropropene
Concen: 11.434 ppbv
RT: 8.93 min Scan# 2439
Delta R.T. 0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 75 Resp: 2878593

Ion	Ratio	Lower	Upper
75	100		
39	64.9	50.9	76.3
77	31.6	25.3	37.9



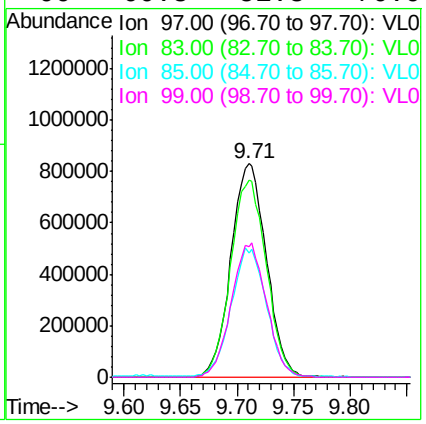


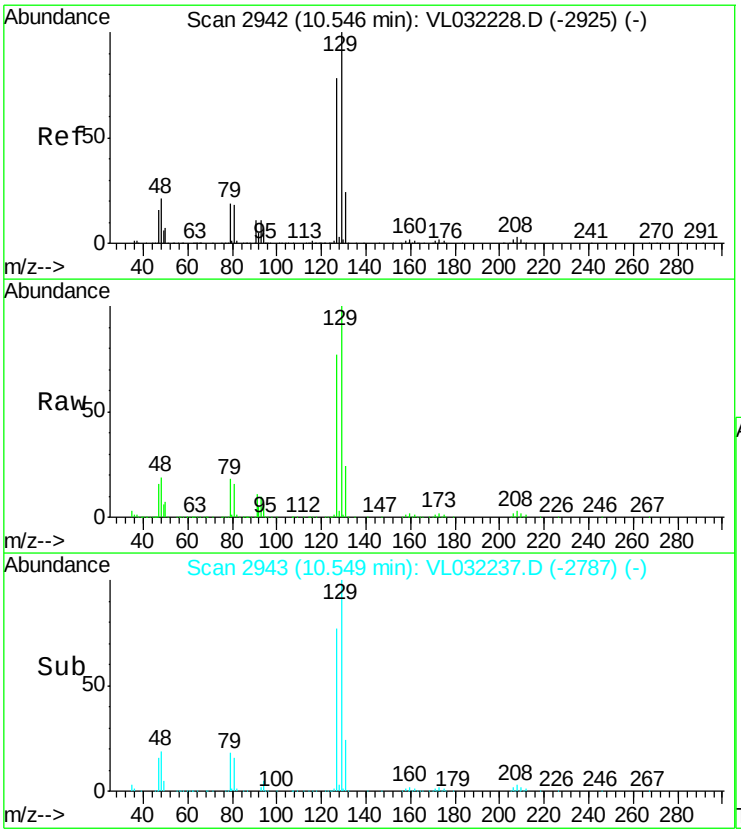
#47
1,1,2-Trichloroethane
Concen: 10.157 ppbv
RT: 9.71 min Scan# 2682
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument :
MSVOA_L
ClientSampleId :
VL0712ABS01

Tgt Ion: 97 Resp: 1808057

Ion	Ratio	Lower	Upper
97	100		
83	92.3	72.9	109.3
85	58.1	49.3	73.9
99	60.8	51.3	76.9

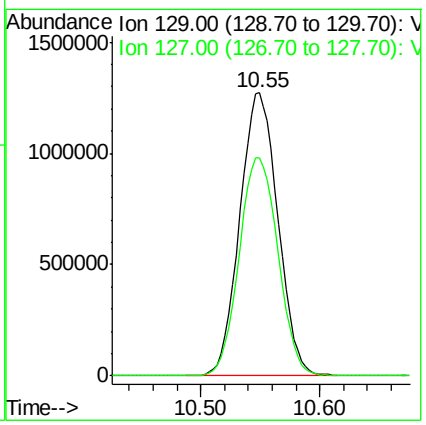


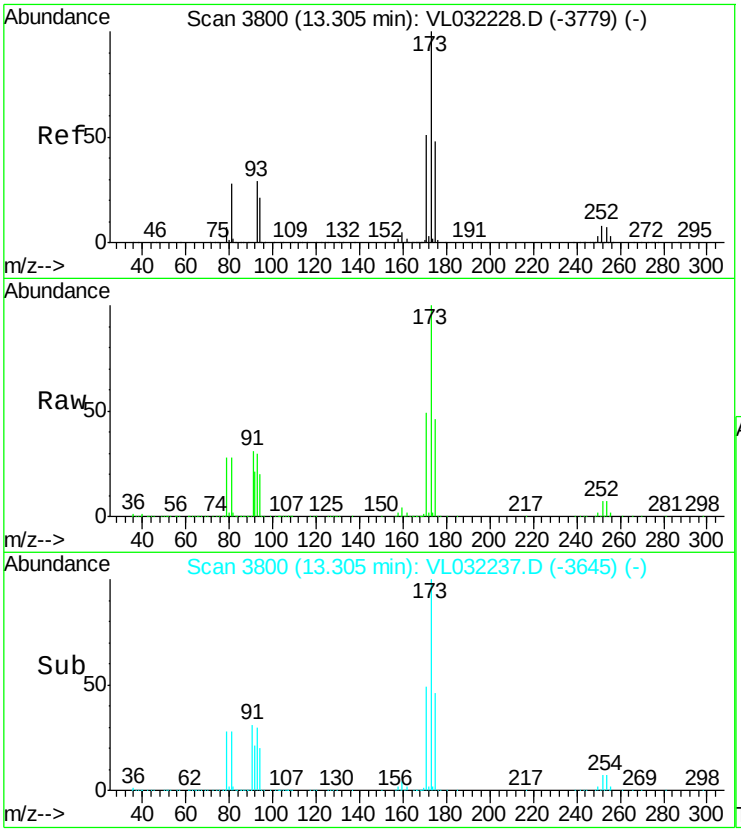


#48
Dibromochloromethane
Concen: 10.643 ppbv
RT: 10.55 min Scan# 2943
Delta R.T. 0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion:129 Resp: 2818580

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.3	117.9



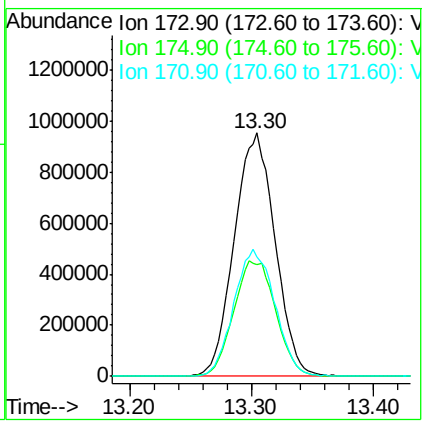


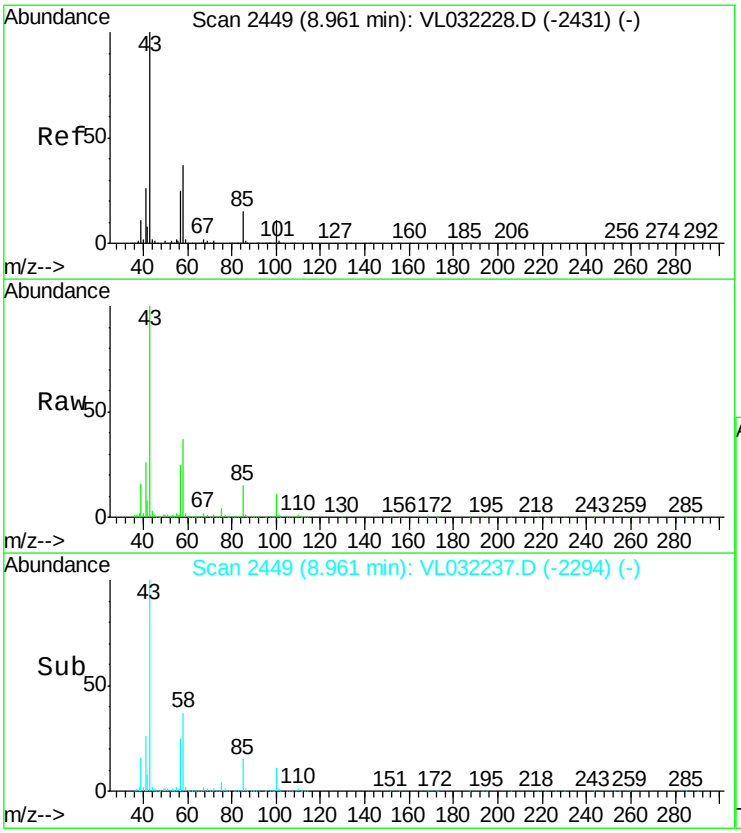
#49
Bromoform
Concen: 10.377 ppbv
RT: 13.30 min Scan# 3800
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion:173 Resp: 2203057

Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.4	59.2
171	52.6	41.8	62.6

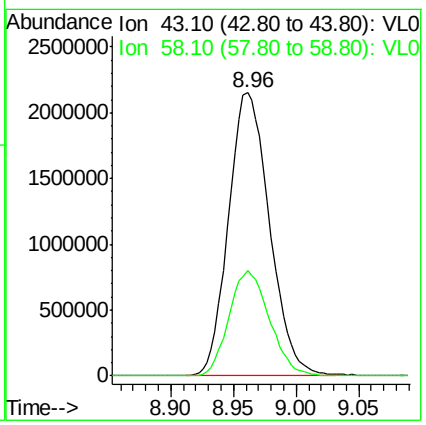


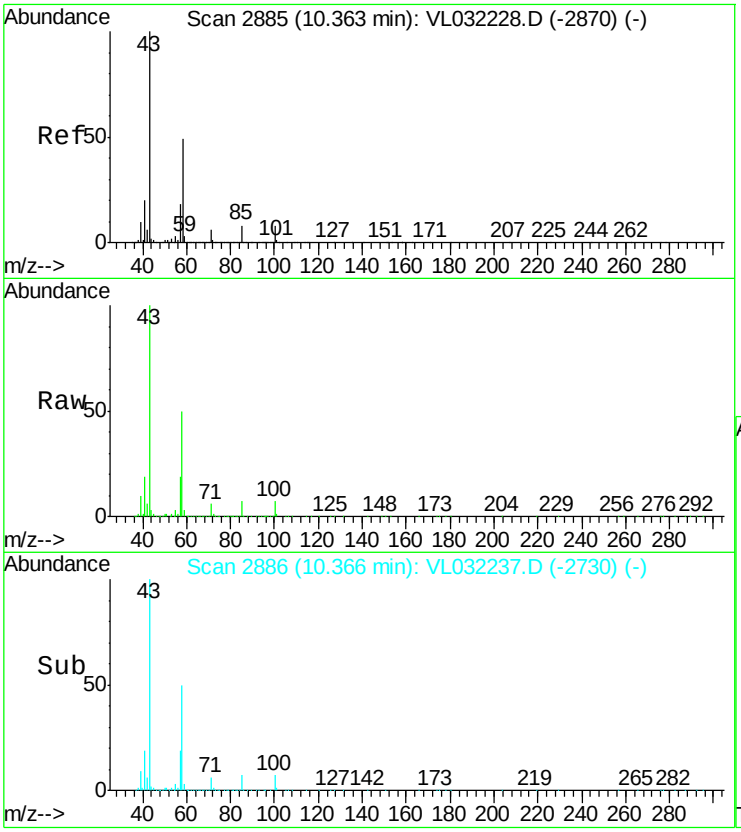


#50
4-Methyl-2-Pentanone
Concen: 10.268 ppbv
RT: 8.96 min Scan# 2449
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 43 Resp: 4884109

Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.5	44.3



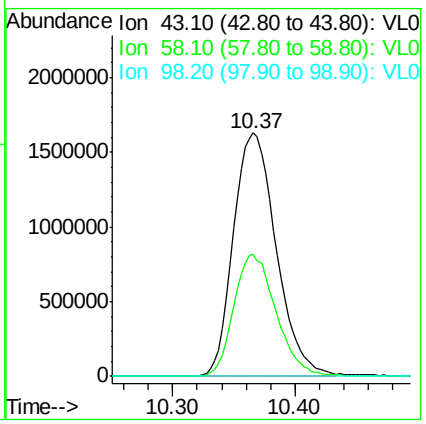


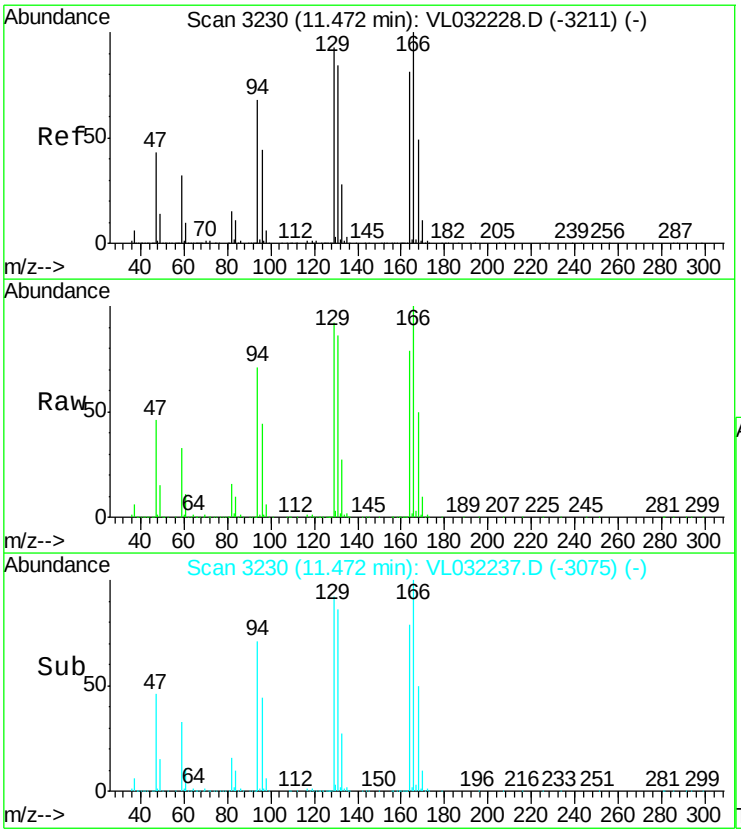
#51
2-Hexanone
Concen: 9.950 ppbv
RT: 10.37 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion: 43 Resp: 3952329

Ion	Ratio	Lower	Upper
43	100		
58	49.6	39.9	59.9
98	0.3	0.2	0.4

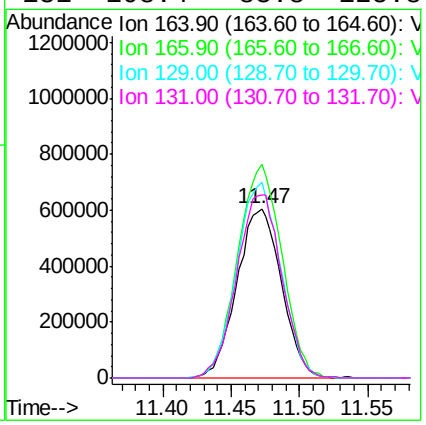


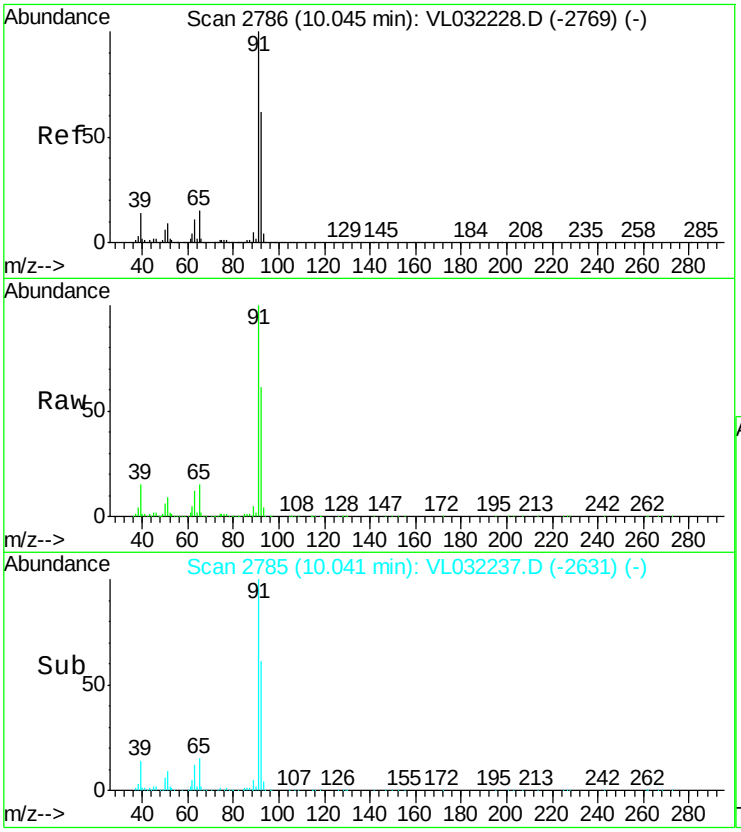


#52
Tetrachloroethene
Concen: 9.215 ppbv
RT: 11.47 min Scan# 3230
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion:164 Resp: 1365450

Ion	Ratio	Lower	Upper
164	100		
166	126.4	99.3	148.9
129	116.0	92.0	138.0
131	108.4	83.8	125.8



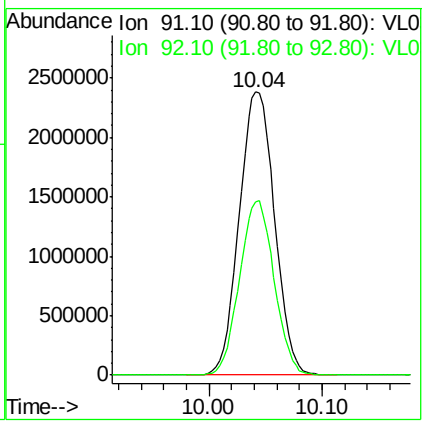


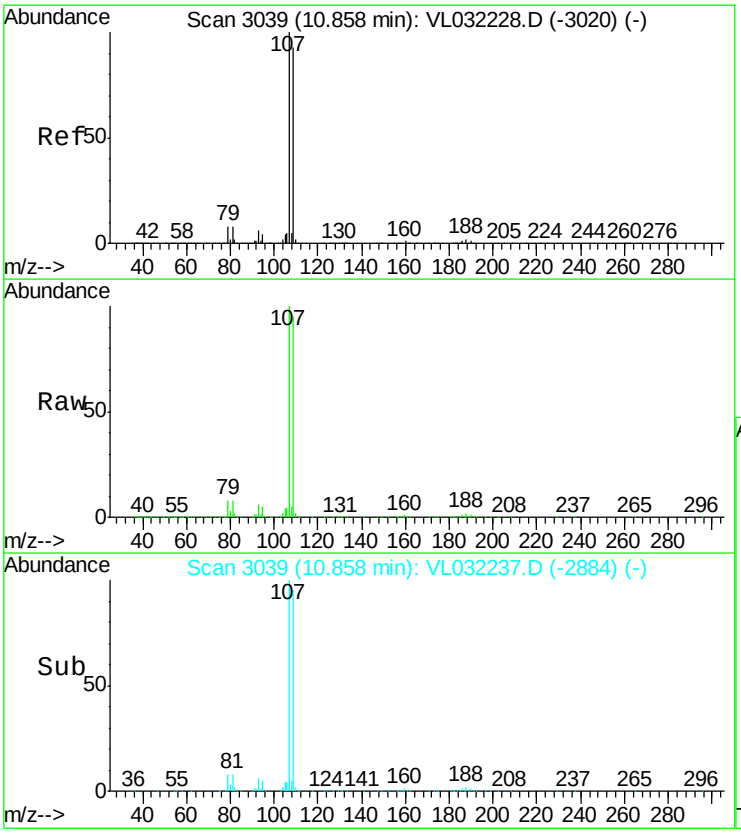
#53
Toluene
Concen: 10.949 ppbv
RT: 10.04 min Scan# 2785
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion: 91 Resp: 5191100

Ion	Ratio	Lower	Upper
91	100		
92	60.4	49.0	73.4

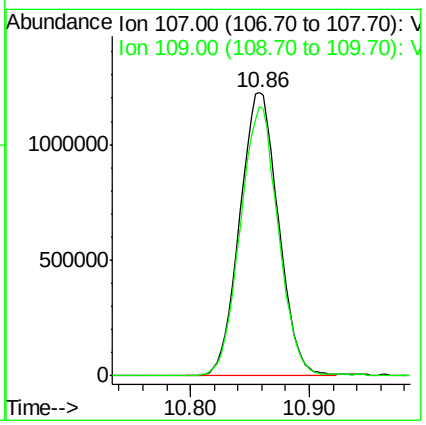


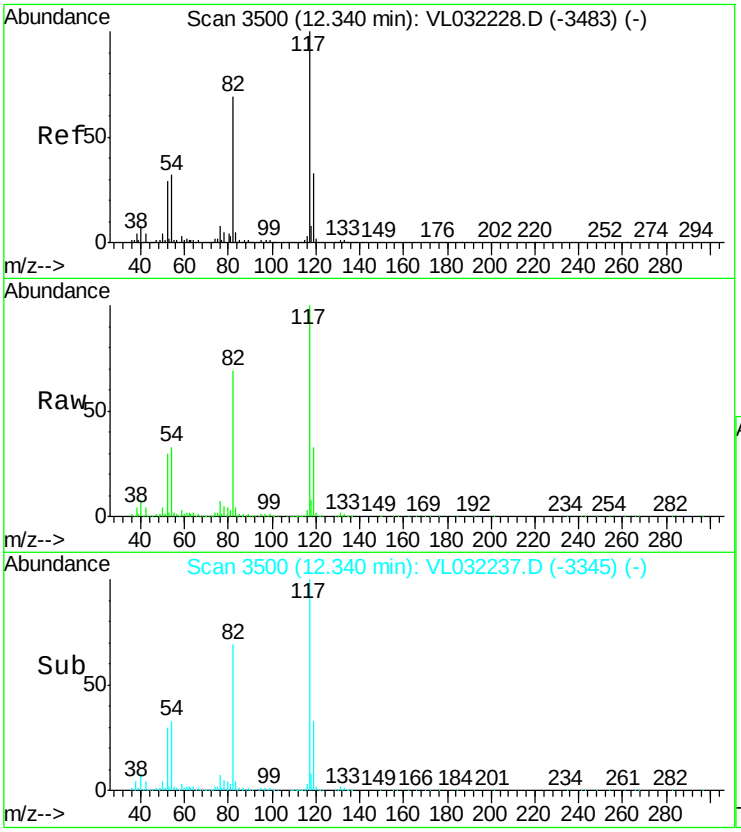


#54
1,2-Dibromoethane
Concen: 10.456 ppbv
RT: 10.86 min Scan# 3039
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion:107 Resp: 2747862

Ion	Ratio	Lower	Upper
107	100		
109	95.0	74.3	111.5



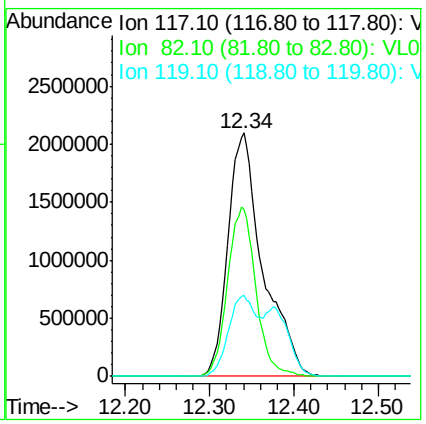


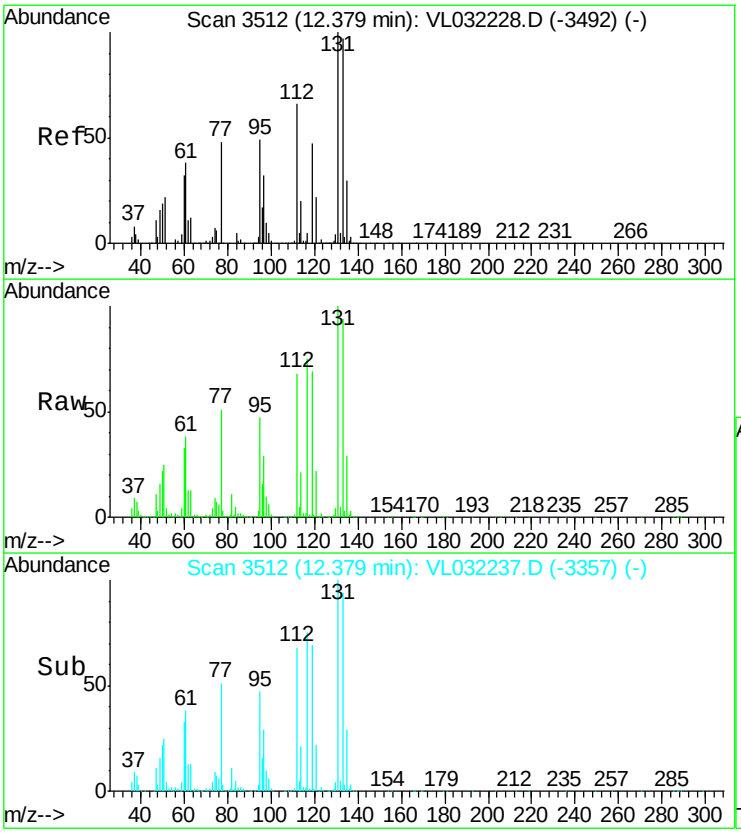
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.34 min Scan# 3500
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion:117 Resp: 6045296

Ion	Ratio	Lower	Upper
117	100		
82	56.5	53.2	79.8
119	46.8	43.9	65.9

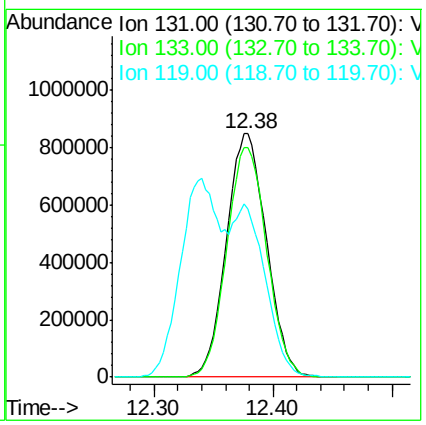


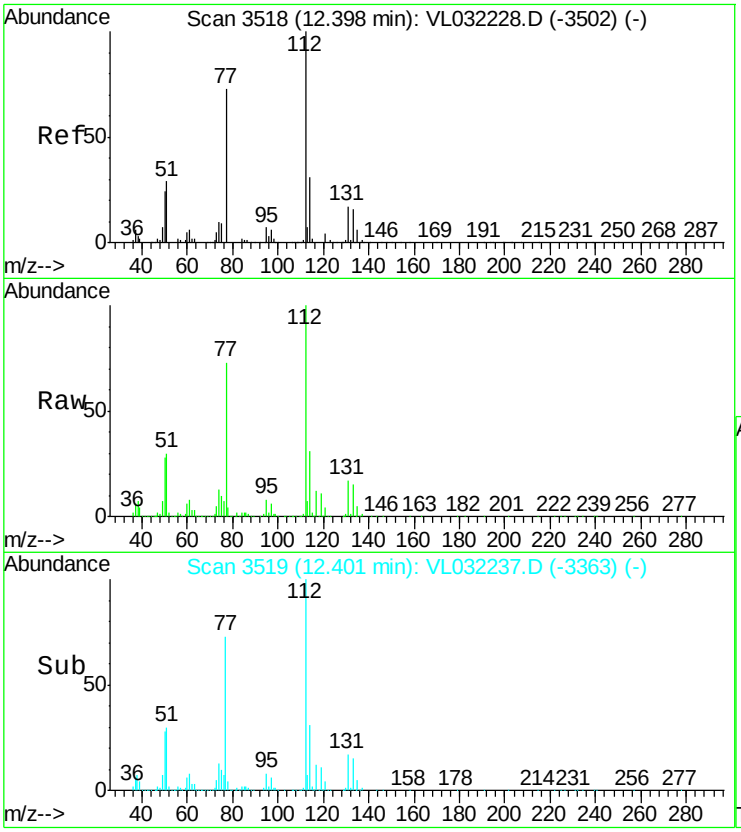


#56
1,1,1,2-Tetrachloroethane
Concen: 7.492 ppbv
RT: 12.38 min Scan# 3512
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion:131 Resp: 1967508

Ion	Ratio	Lower	Upper
131	100		
133	95.3	75.2	112.8
119	143.9	113.9	170.9



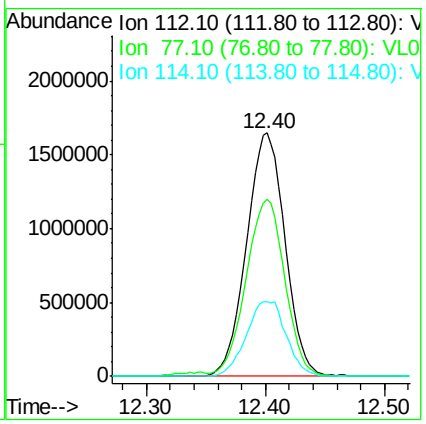


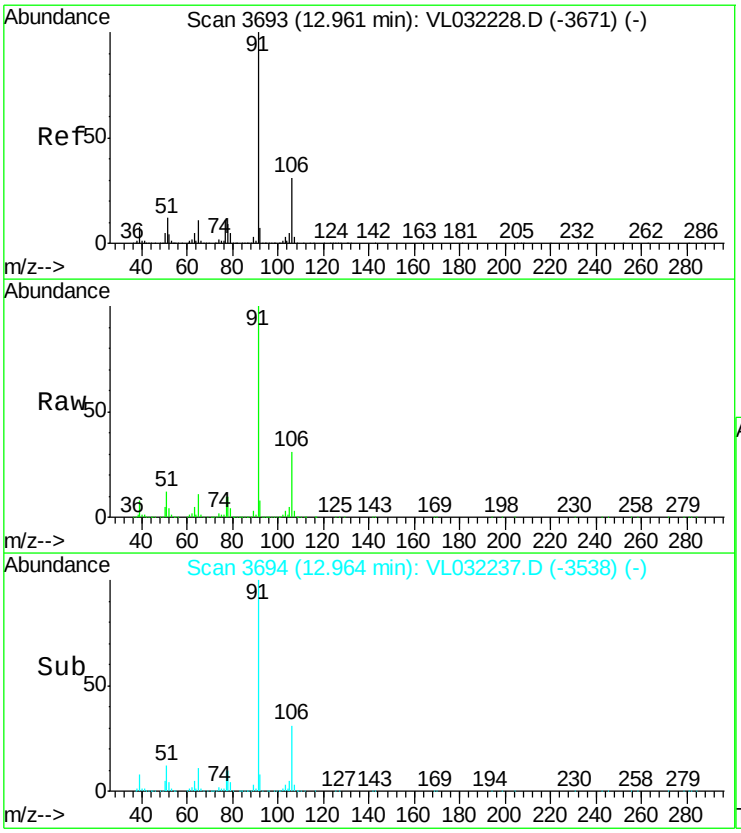
#57
Chlorobenzene
Concen: 7.209 ppbv
RT: 12.40 min Scan# 3519
Delta R.T. 0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion:112 Resp: 3683351

Ion	Ratio	Lower	Upper
112	100		
77	72.4	58.8	88.2
114	30.7	27.9	34.1

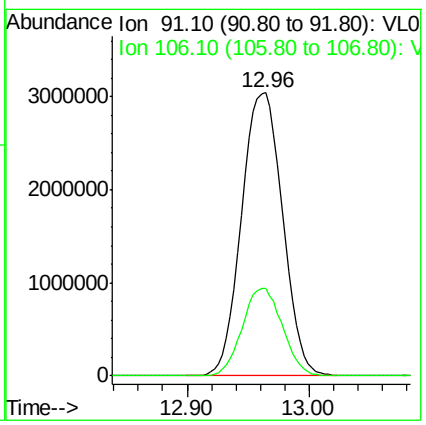


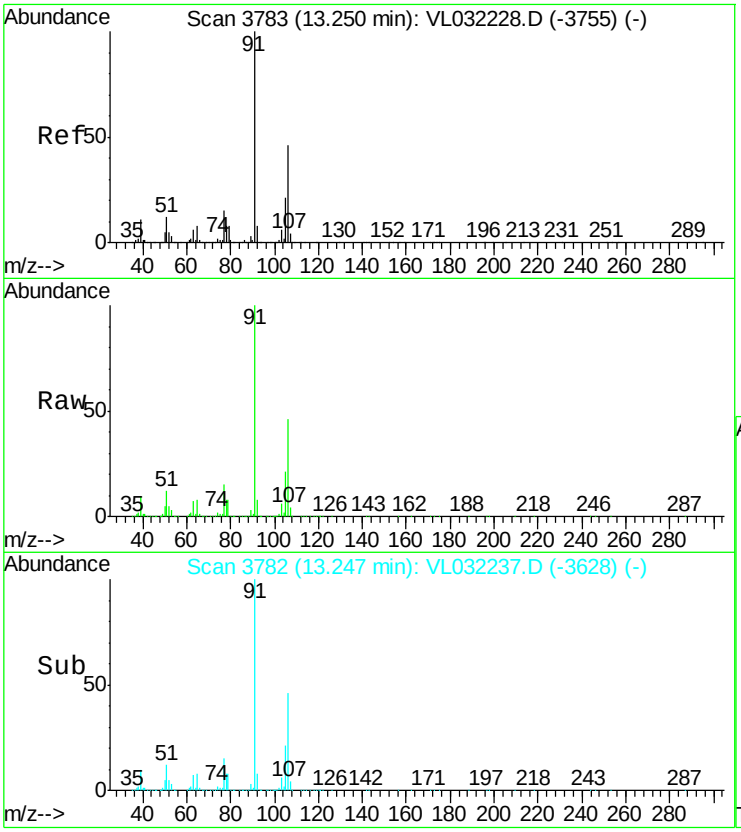


#58
Ethyl Benzene
Concen: 8.046 ppbv
RT: 12.96 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 91 Resp: 7083260

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.5	36.7



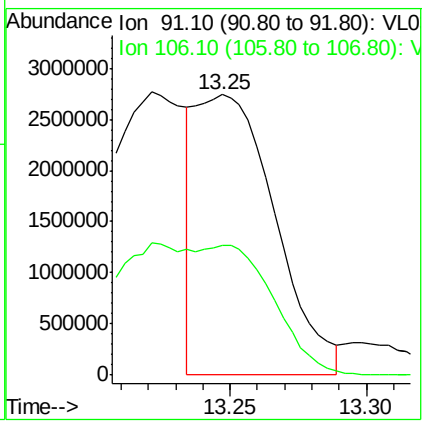


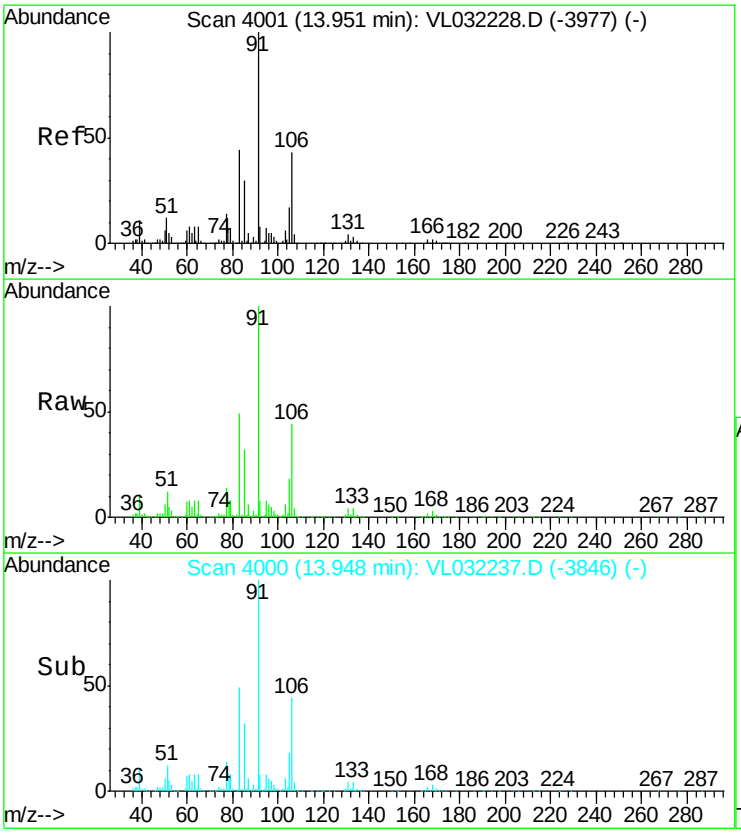
#59
m/p-Xylene
Concen: 7.609 ppbv
RT: 13.25 min Scan# 3782
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion: 91 Resp: 5510906

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.4	54.6#

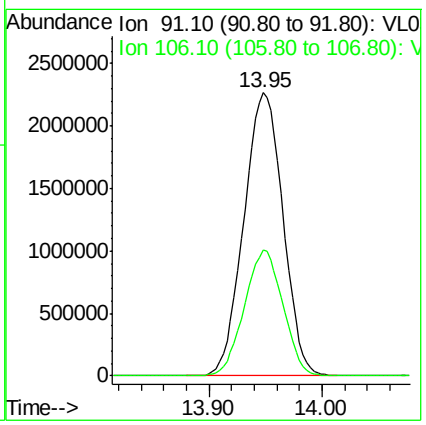


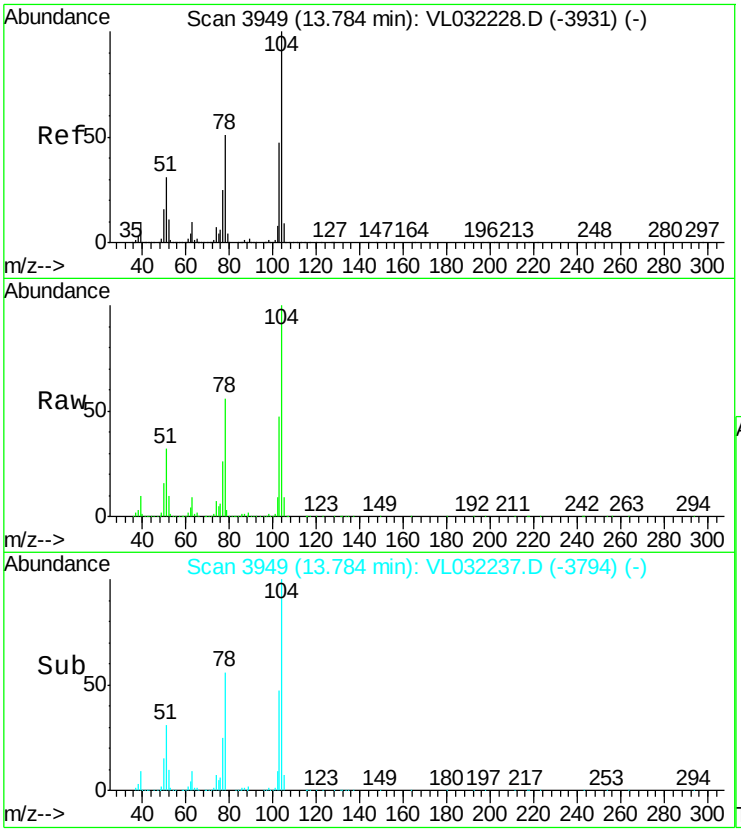


#60
o-Xylene
Concen: 7.608 ppbv
RT: 13.95 min Scan# 4000
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 91 Resp: 5437616

Ion	Ratio	Lower	Upper
91	100		
106	43.9	21.9	65.5



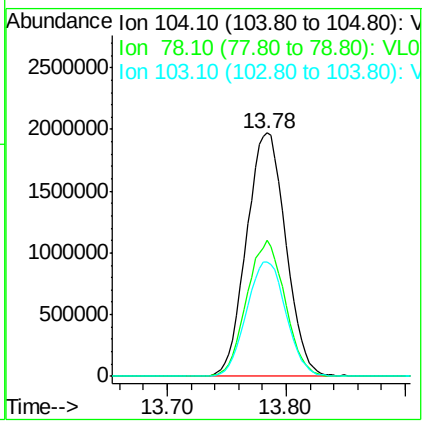


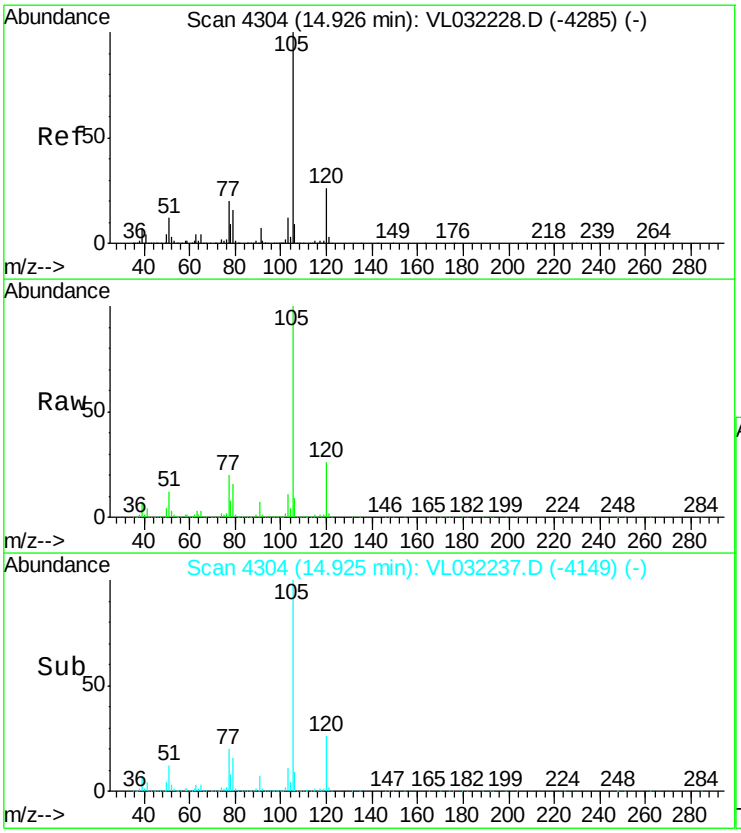
#61
Styrene
Concen: 8.417 ppbv
RT: 13.78 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion:104 Resp: 4507576

Ion	Ratio	Lower	Upper
104	100		
78	54.4	43.4	65.0
103	47.4	38.0	57.0

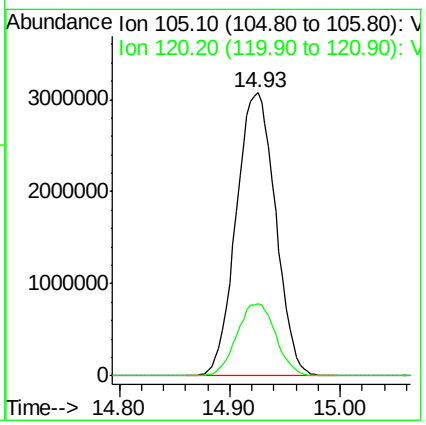


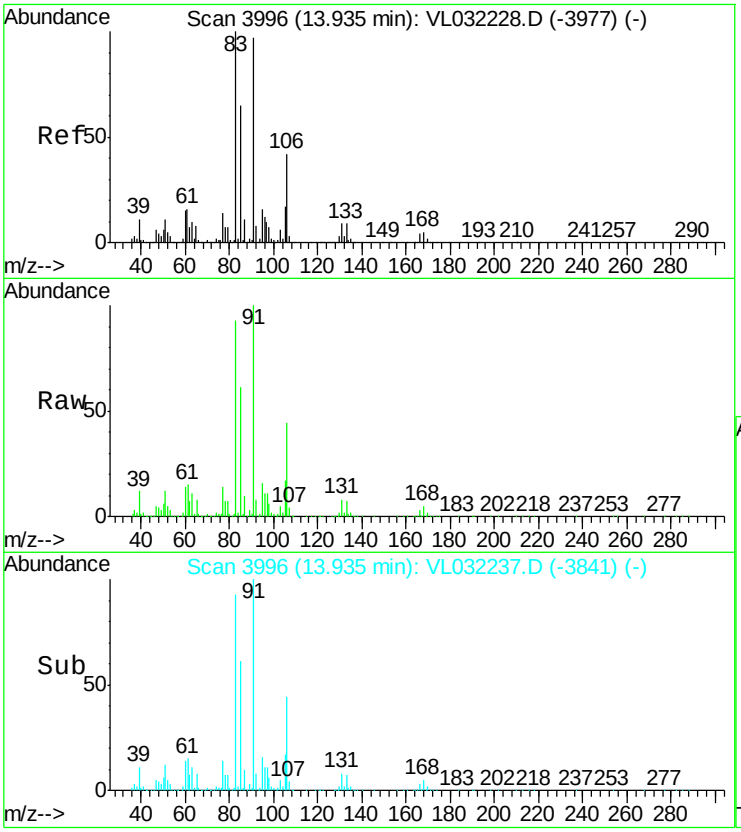


#62
Isopropylbenzene
Concen: 7.567 ppbv
RT: 14.93 min Scan# 4304
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion:105 Resp: 7583403

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.2	30.2



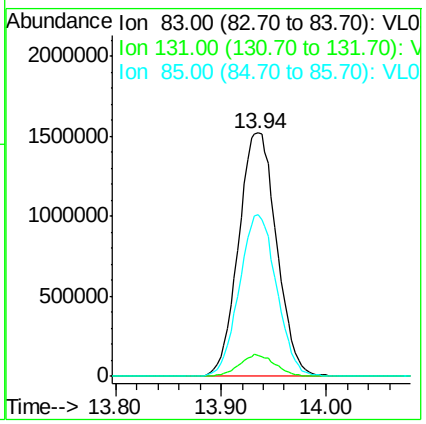


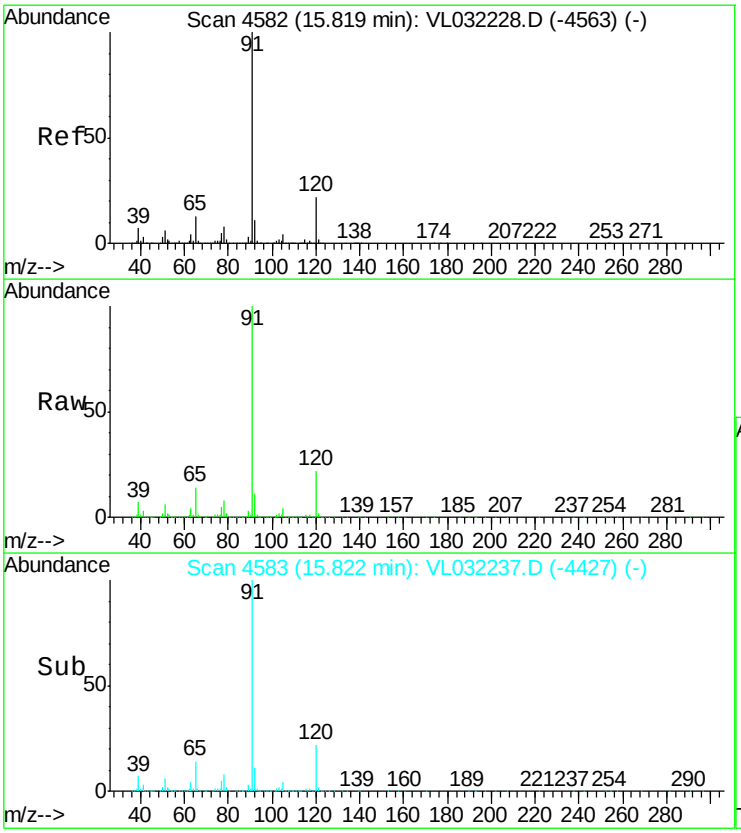
#63
1,1,2,2-Tetrachloroethane
Concen: 6.570 ppbv
RT: 13.94 min Scan# 3996
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument :
MSVOA_L
ClientSampleId :
VL0712ABS01

Tgt Ion: 83 Resp: 3819605

Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.3	12.8
85	65.0	32.5	97.5

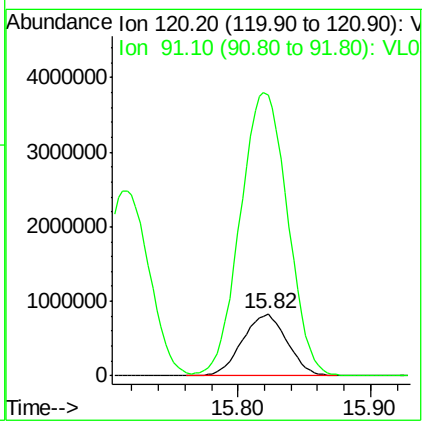


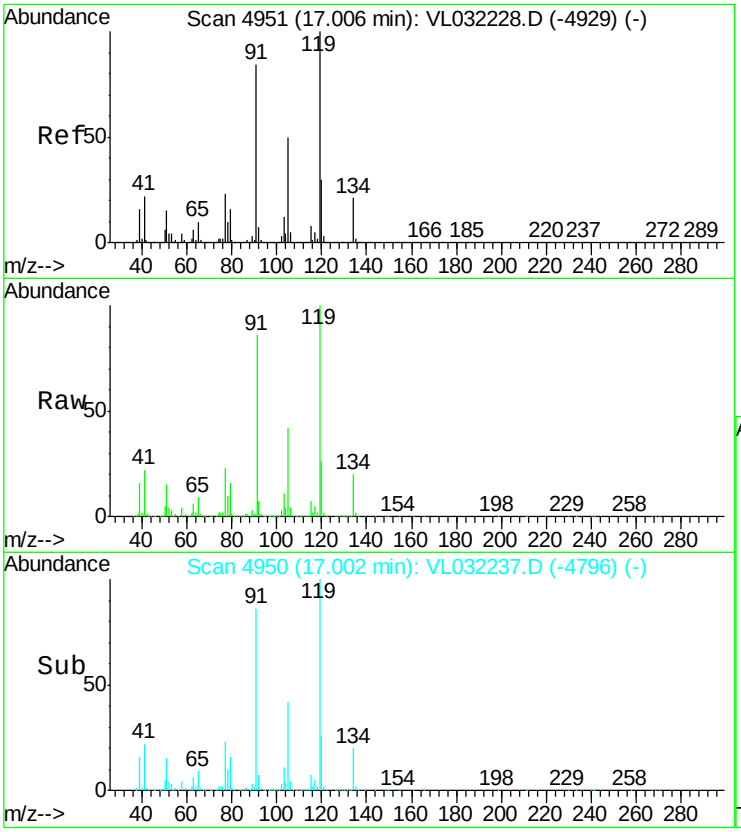


#64
n-propylbenzene
Concen: 7.655 ppbv
RT: 15.82 min Scan# 4583
Delta R.T. 0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion:120 Resp: 1942114

Ion	Ratio	Lower	Upper
120	100		
91	485.5	385.0	577.4



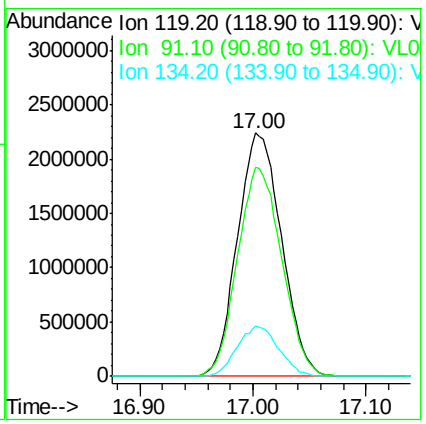


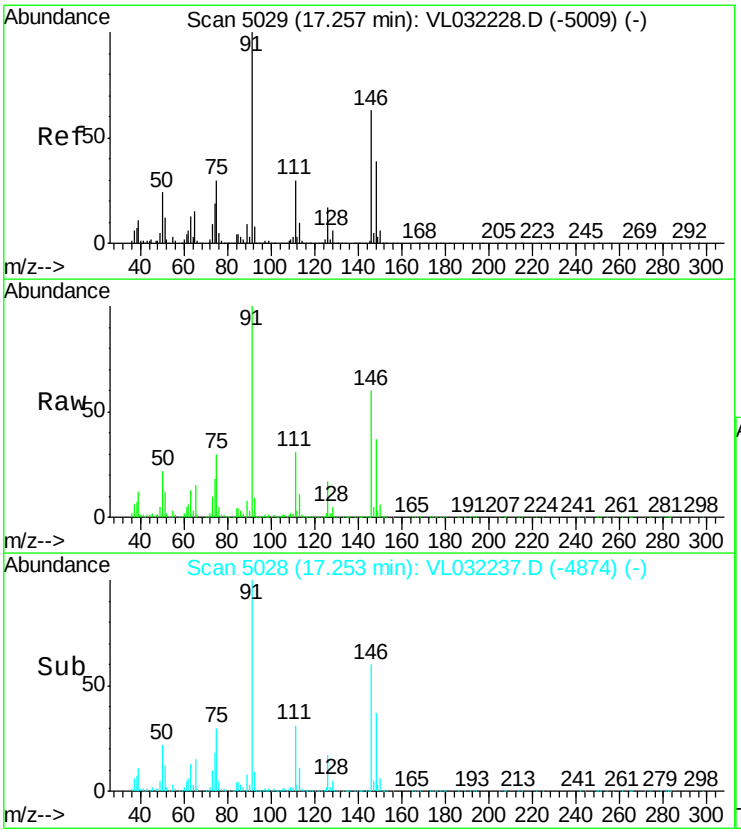
#65
tert-Butylbenzene
Concen: 7.237 ppbv
RT: 17.00 min Scan# 4950
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion:119 Resp: 6075532

Ion	Ratio	Lower	Upper
119	100		
91	86.4	68.6	102.8
134	19.4	15.4	23.2

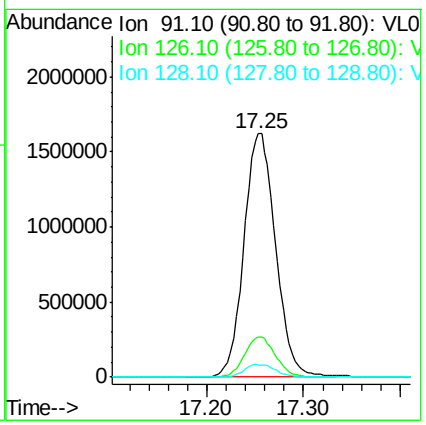


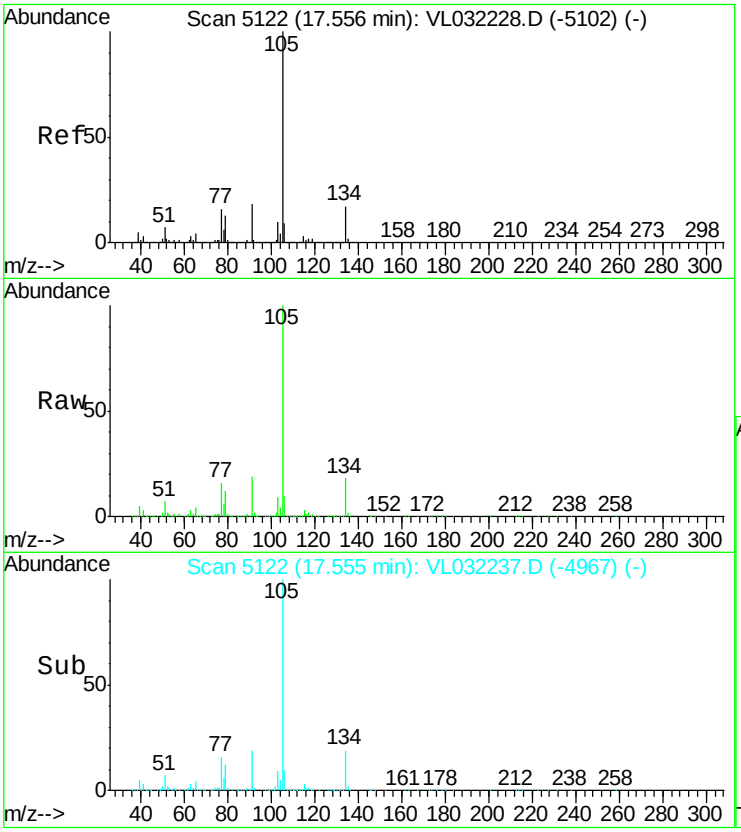


#66
Benzyl Chloride
Concen: 8.658 ppbv
RT: 17.25 min Scan# 5028
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 91 Resp: 3678305

Ion	Ratio	Lower	Upper
91	100		
126	16.3	13.4	20.0
128	5.2	4.5	6.7



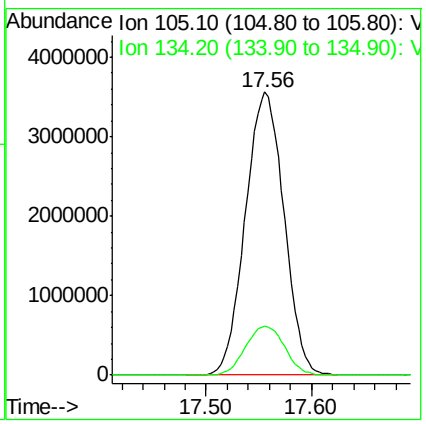


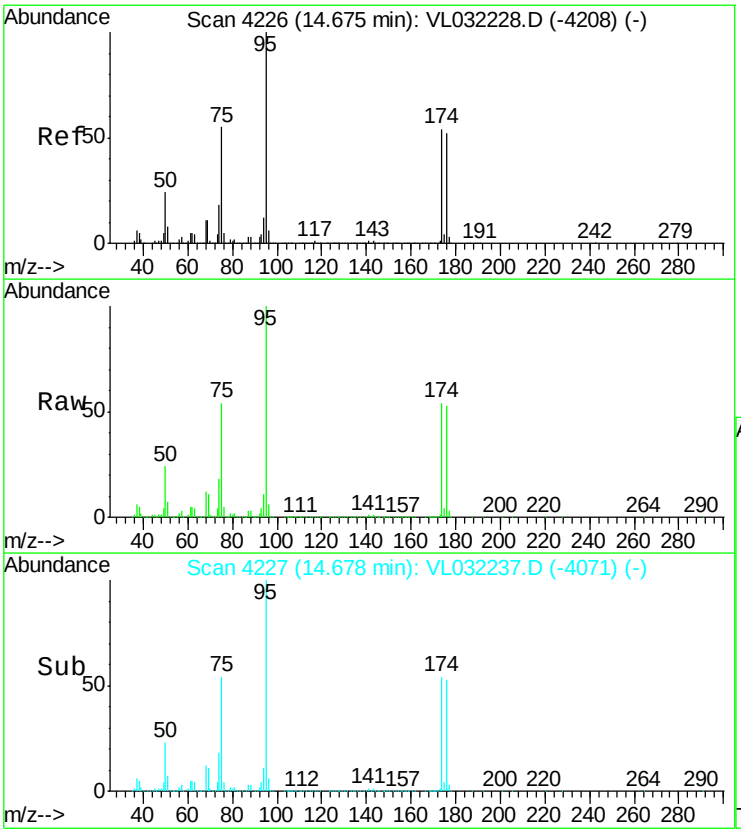
#67
sec-Butylbenzene
Concen: 7.407 ppbv
RT: 17.56 min Scan# 5122
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion:105 Resp: 9084692

Ion	Ratio	Lower	Upper
105	100		
134	17.7	14.2	21.2

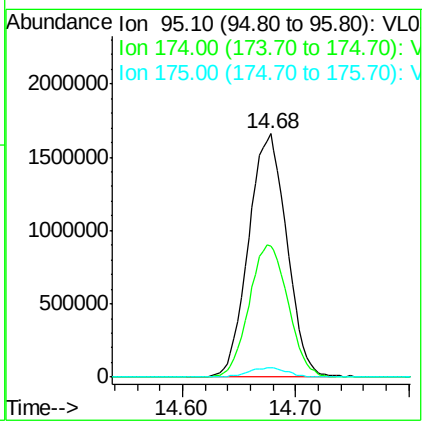


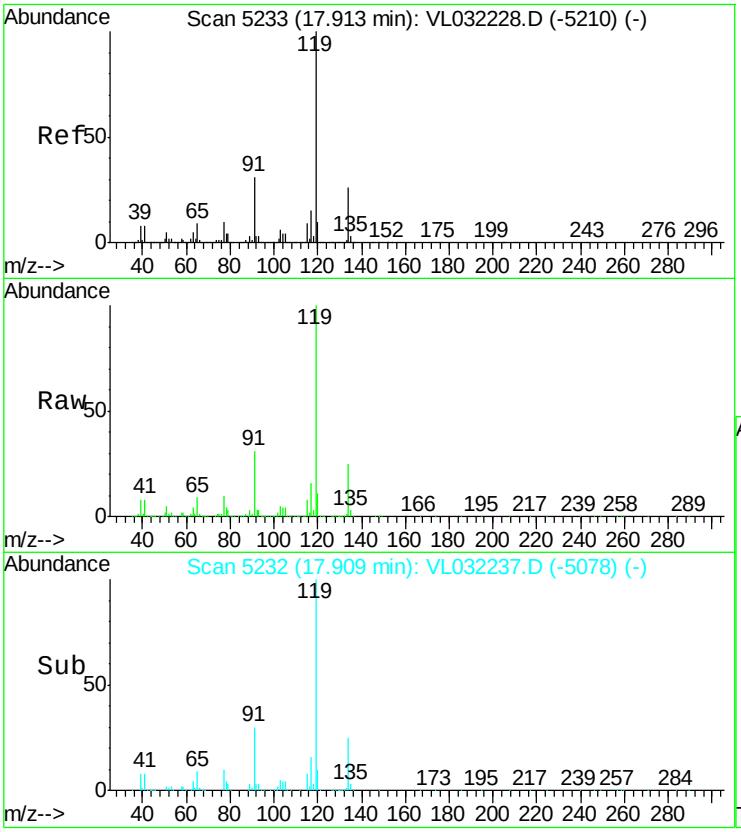


#68
1-Bromo-4-Fluorobenzene
Concen: 8.309 ppbv
RT: 14.68 min Scan# 4227
Delta R.T. 0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 95 Resp: 3888464

Ion	Ratio	Lower	Upper
95	100		
174	55.6	44.6	67.0
175	3.9	3.3	4.9



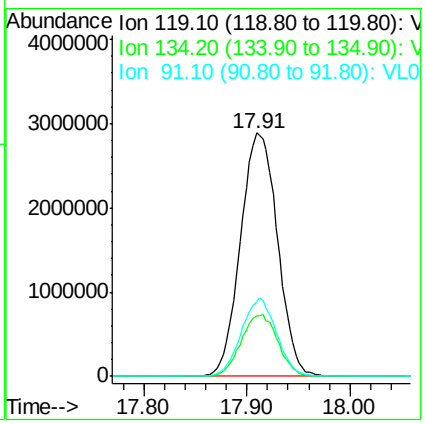


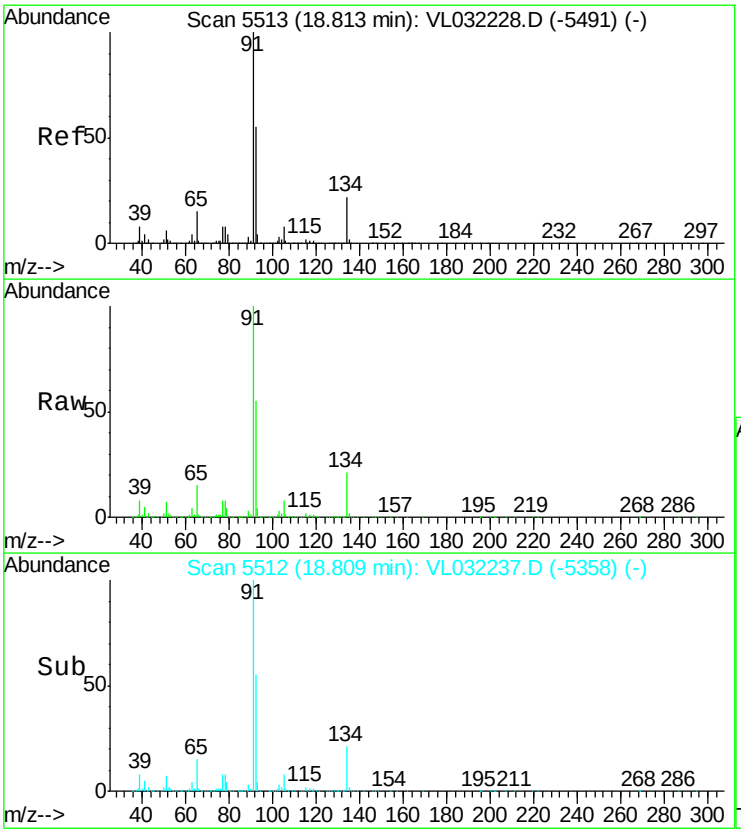
#69
p-Isopropyltoluene
Concen: 7.539 ppbv
RT: 17.91 min Scan# 5232
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion:119 Resp: 7199920

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.1	30.1
91	30.6	24.2	36.2

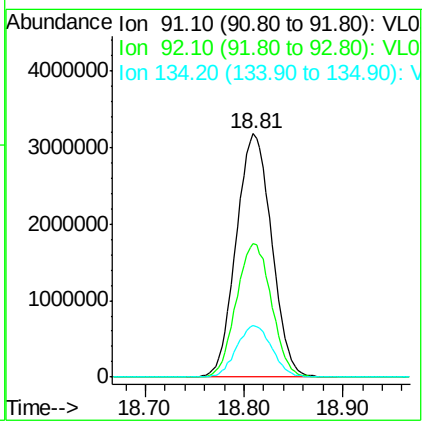


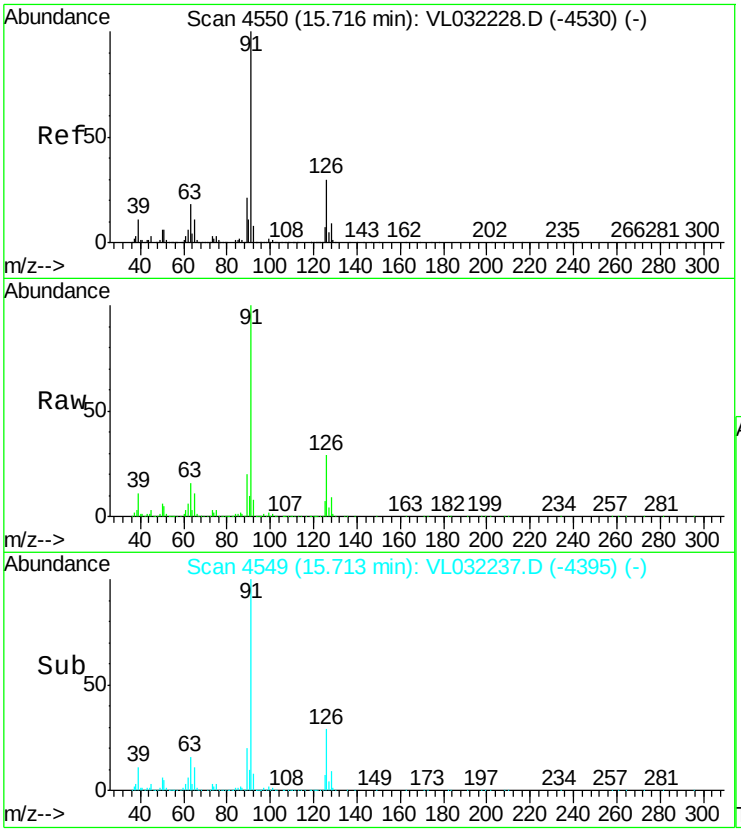


#70
n-Butylbenzene
Concen: 7.468 ppbv
RT: 18.81 min Scan# 5512
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion: 91 Resp: 7878578

Ion	Ratio	Lower	Upper
91	100		
92	54.6	43.6	65.4
134	21.1	17.1	25.7



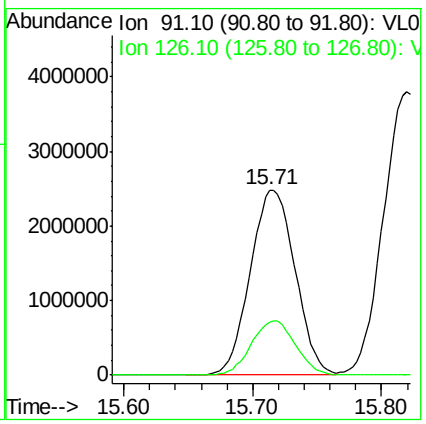


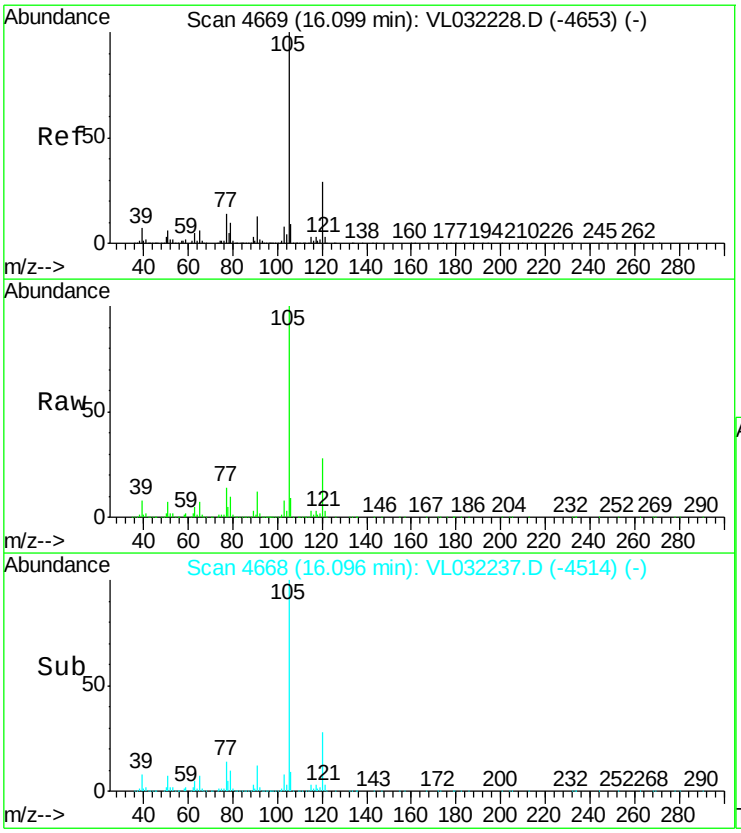
#71
2-Chlorotoluene
Concen: 7.617 ppbv
RT: 15.71 min Scan# 4549
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument :
MSVOA_L
ClientSampleId :
VL0712ABS01

Tgt Ion: 91 Resp: 6007330

Ion	Ratio	Lower	Upper
91	100		
126	28.9	11.7	46.7

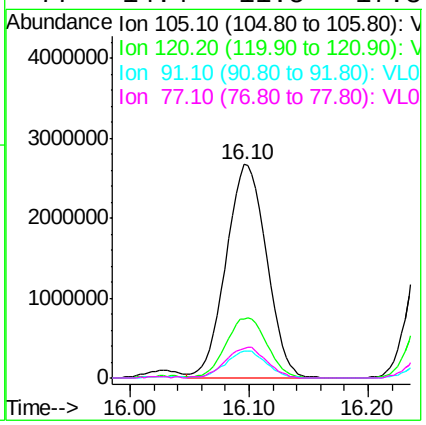


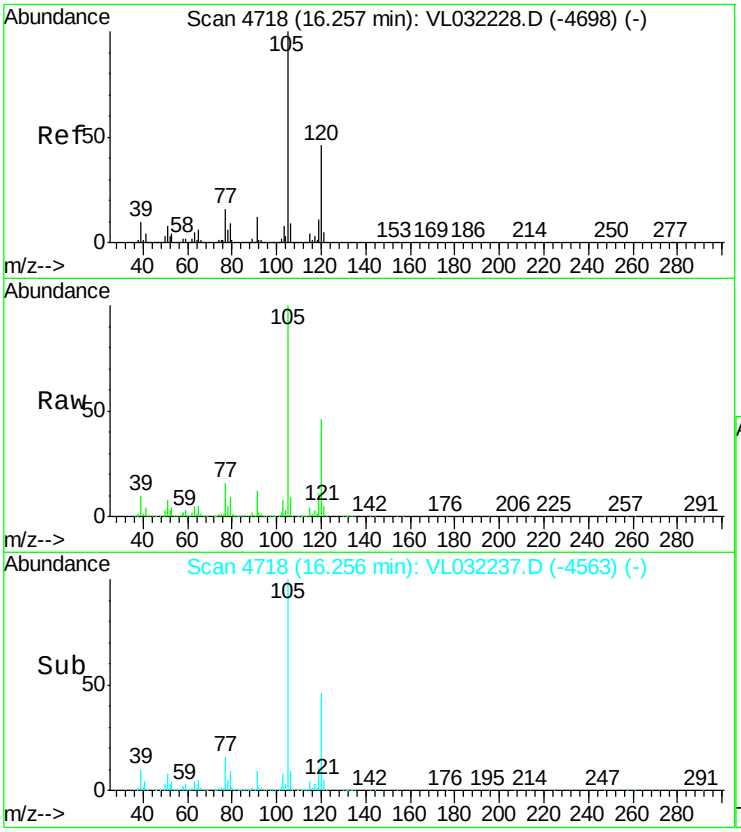


#72
4-Ethyltoluene
Concen: 7.853 ppbv
RT: 16.10 min Scan# 4668
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion:105 Resp: 6297881

Ion	Ratio	Lower	Upper
105	100		
120	28.5	23.3	34.9
91	12.5	10.3	15.5
77	14.4	11.5	17.3



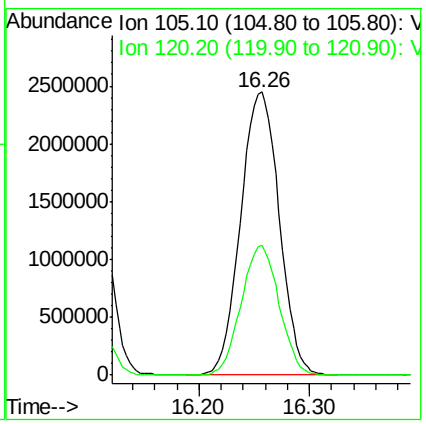


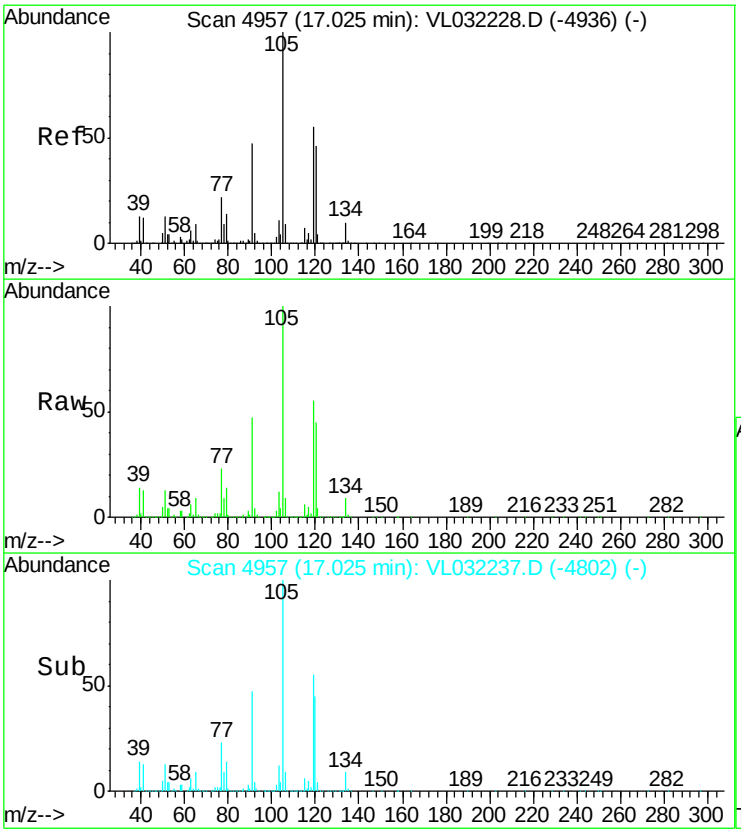
#73
1,3,5-Trimethylbenzene
Concen: 7.934 ppbv
RT: 16.26 min Scan# 4718
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument :
MSVOA_L
ClientSampleId :
VL0712ABS01

Tgt Ion:105 Resp: 5916441

Ion	Ratio	Lower	Upper
105	100		
120	46.0	36.6	54.8

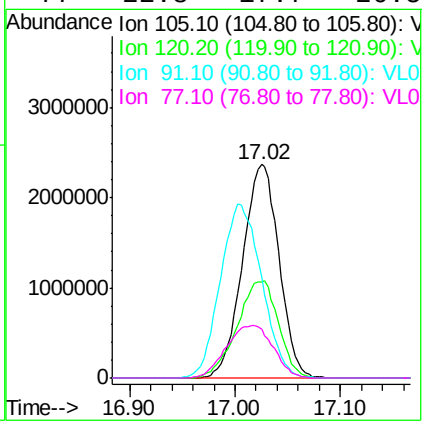


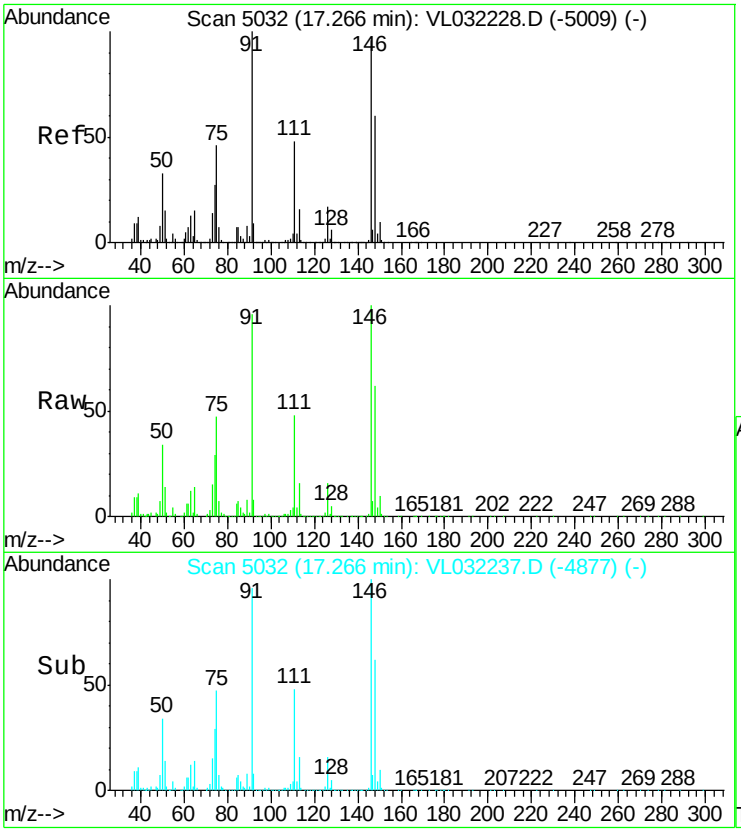


#74
1,2,4-Trimethylbenzene
Concen: 7.470 ppbv
RT: 17.02 min Scan# 4957
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion:105 Resp: 5695682

Ion	Ratio	Lower	Upper
105	100		
120	45.2	37.0	55.4
91	46.5	38.2	57.2
77	22.8	17.7	26.5



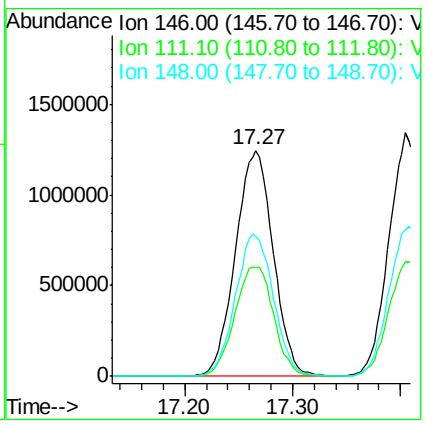


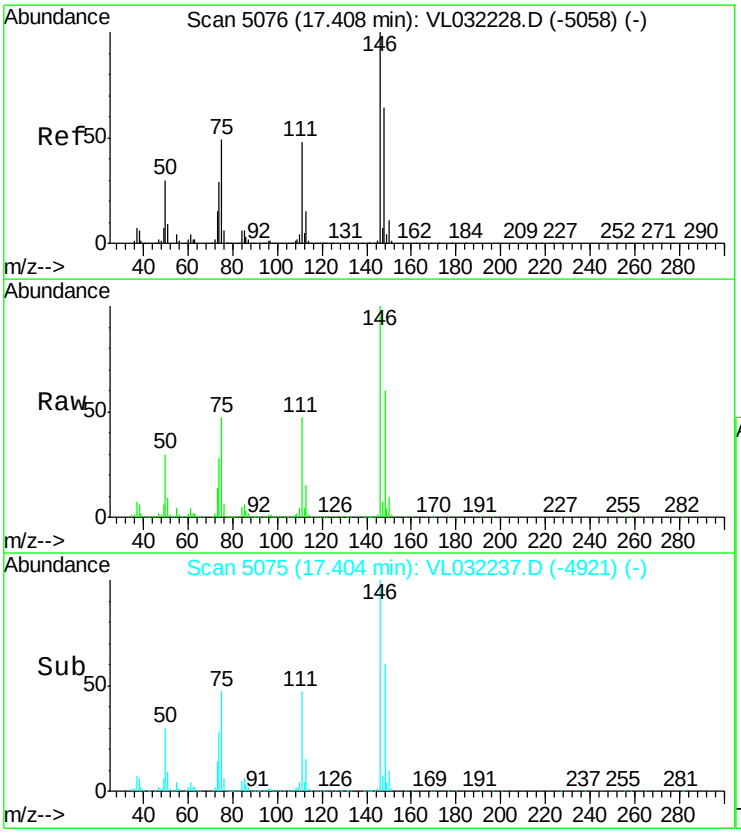
#75
1,3-Dichlorobenzene
Concen: 6.669 ppbv
RT: 17.27 min Scan# 5032
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument :
MSVOA_L
ClientSampleId :
VL0712ABS01

Tgt Ion:146 Resp: 3033437

Ion	Ratio	Lower	Upper
146	100		
111	50.1	24.9	74.7
148	63.6	31.9	95.5

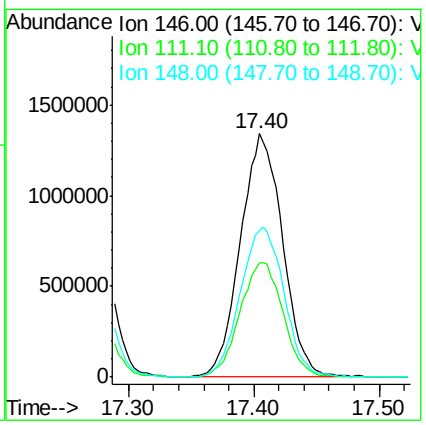


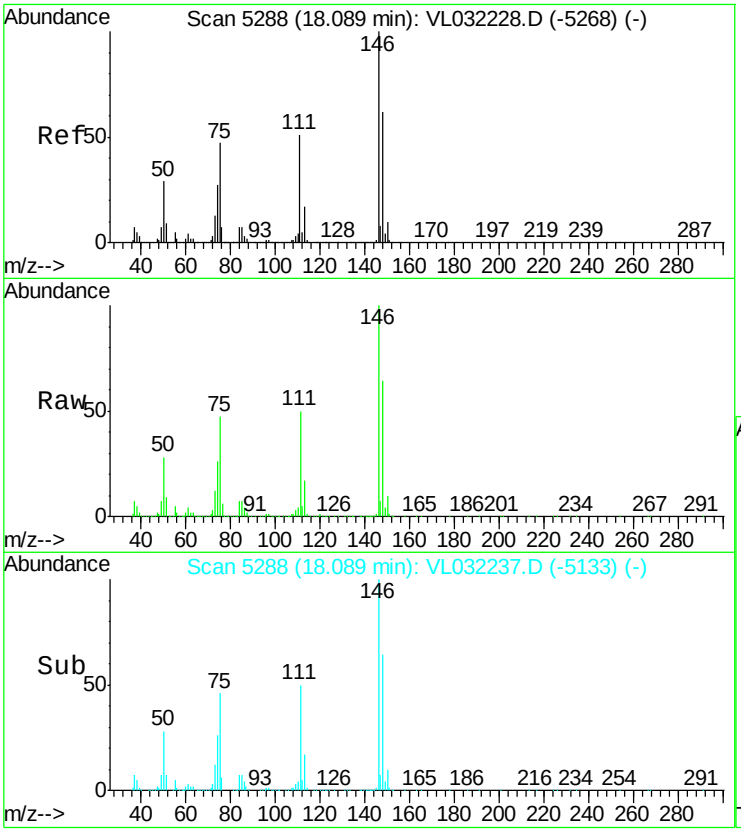


#76
1,4-Dichlorobenzene
Concen: 6.980 ppbv
RT: 17.40 min Scan# 5075
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion:146 Resp: 3109376

Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.6	73.6
148	64.1	32.3	96.9



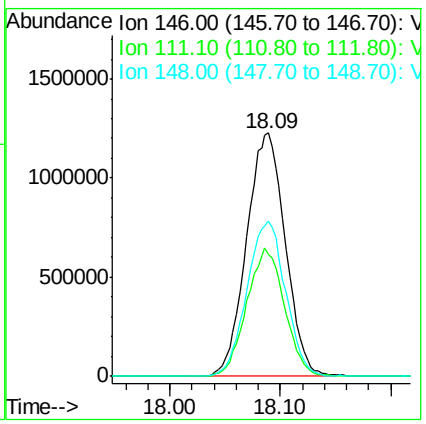


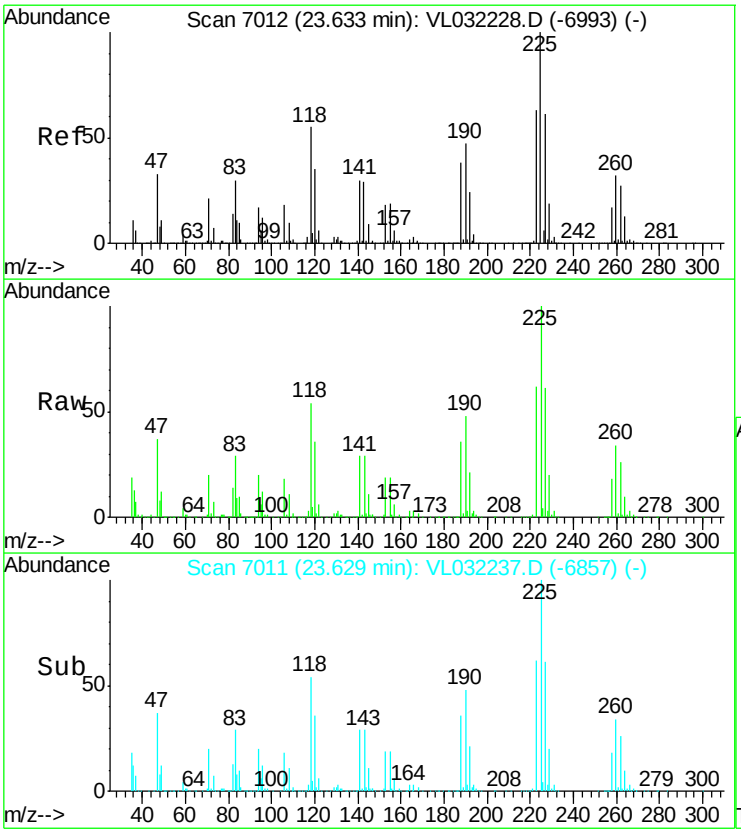
#77
1,2-Dichlorobenzene
Concen: 6.589 ppbv
RT: 18.09 min Scan# 5288
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument : MSVOA_L
ClientSampleId : VL0712ABS01

Tgt Ion:146 Resp: 2978722

Ion	Ratio	Lower	Upper
146	100		
111	51.6	26.1	78.3
148	63.8	32.0	96.0

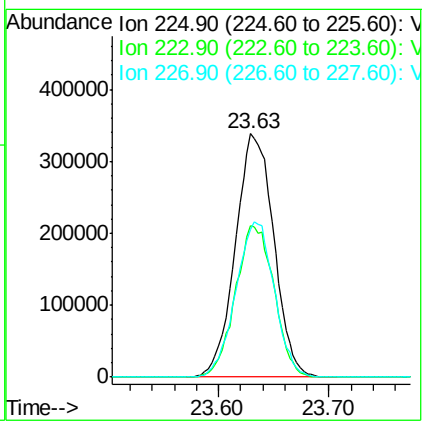


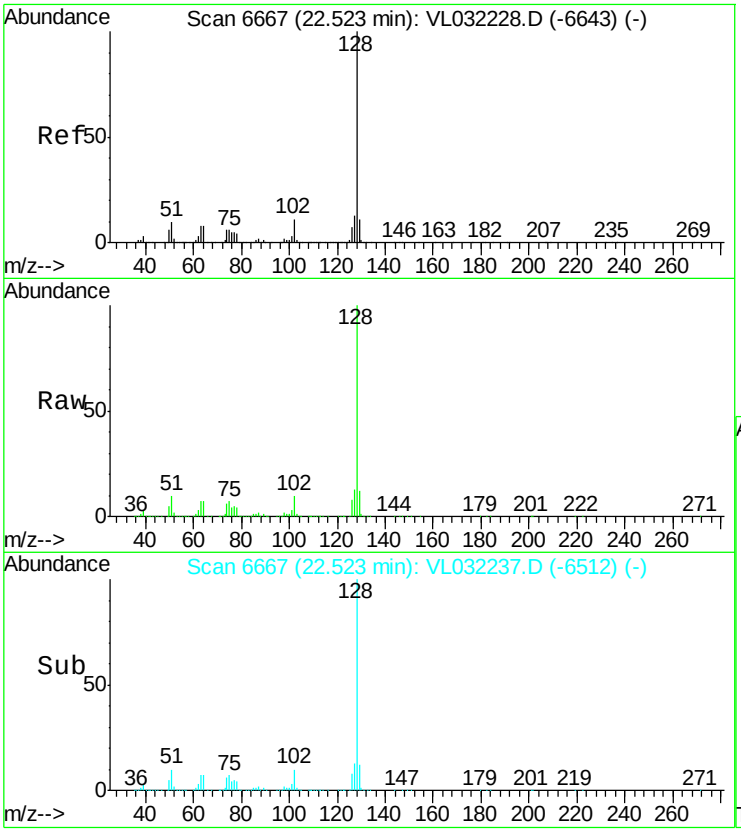


#78
Hexachloro-1,3-Butadiene
Concen: 5.798 ppbv
RT: 23.63 min Scan# 7011
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion:225 Resp: 816928

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.3	75.5
227	64.0	50.9	76.3



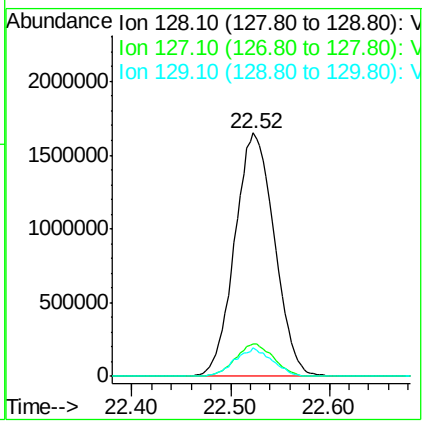


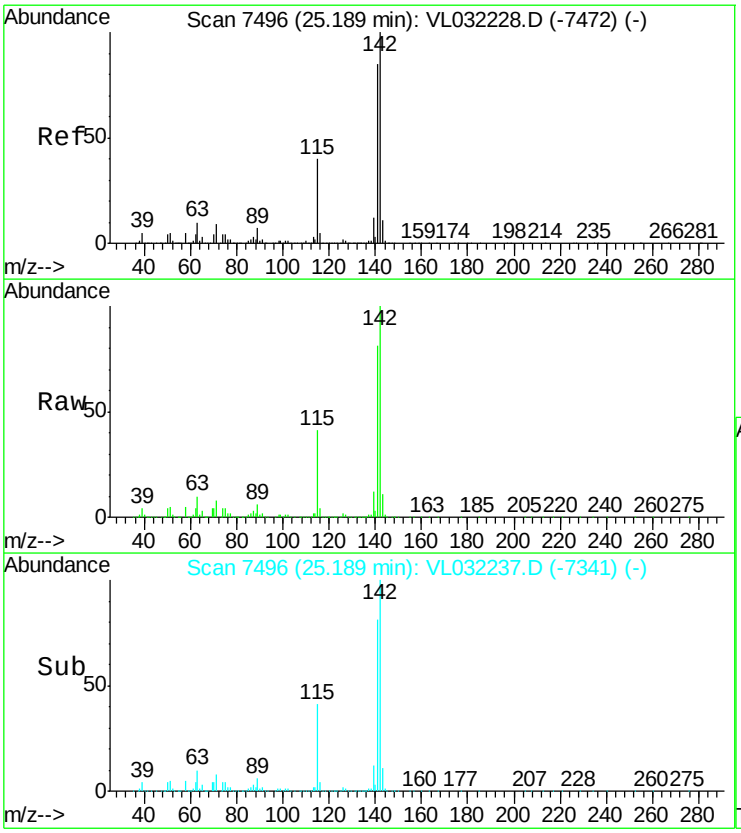
#79
Naphthalene
Concen: 8.961 ppbv
RT: 22.52 min Scan# 6667
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument :
MSVOA_L
ClientSampleId :
VL0712ABS01

Tgt Ion:128 Resp: 4587083

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.0	15.0
129	11.8	9.0	13.4

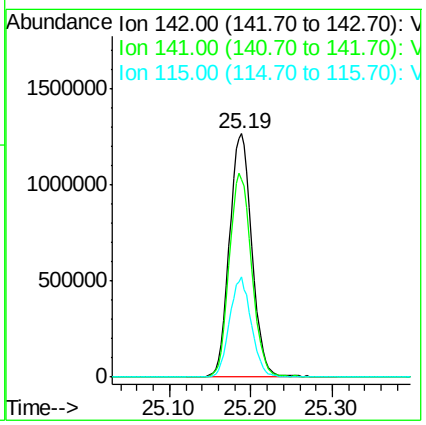


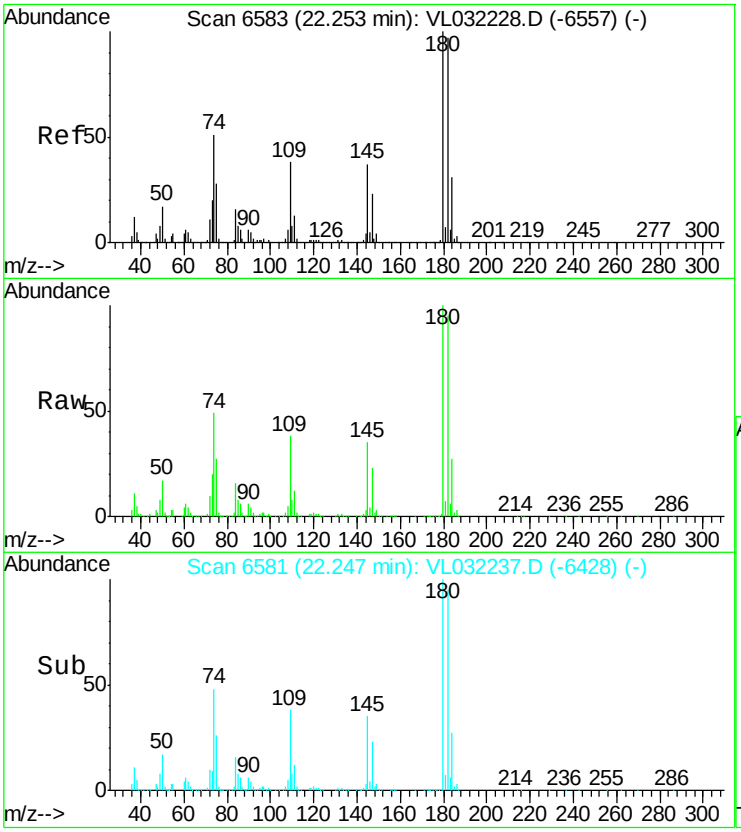


#80
Naphthalene,2-methyl-
Concen: 14.981 ppbv
RT: 25.19 min Scan# 7496
Delta R.T. -0.00 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Tgt Ion:142 Resp: 2449934

Ion	Ratio	Lower	Upper
142	100		
141	83.9	67.0	100.6
115	39.8	32.6	49.0





#81
1,2,4-Trichlorobenzene
Concen: 8.448 ppbv
RT: 22.25 min Scan# 6581
Delta R.T. -0.01 min
Lab File: VL032237.D
Acq: 13 Jul 2018 3:36

Instrument :
MSVOA_L
ClientSampleId :
VL0712ABS01

Tgt Ion:180 Resp: 2163921

Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.1	114.1
184	30.3	24.2	36.4