Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071218\
Data File : VL032229.D
Acq On : 12 Jul 2018 18:44
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Jul 13 03:37:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 13 03:36:40 2018
QLast Update : Fri Jul 13 03:36:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1887912	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	4594976	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.34	117	4961644	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.67	95	3767236	9.89	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.13	85	642622	2.513	ppbv	100
3) Chlorodifluoromethane	3.07	51	433575	1.830	ppbv	97
4) Chloromethane	3.22	50	251777	1.964	ppbv	97
5) Vinyl Chloride	3.35	62	241912	1.895	ppbv	97
6) Bromomethane	3.58	94	143594	1.971	ppbv	95
7) Chloroethane	3.66	64	88545	1.950	ppbv	97
8) Dichlorotetrafluoroethane	3.27	85	539918	1.894	ppbv	99
9) Propene	3.09	41	182497	1.680	ppbv	100
10) Heptane	8.33	43	637787	2.040	ppbv	100
11) Trichlorofluoromethane	4.07	101	530567	1.987	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.62	101	345264	1.951	ppbv	99
13) Ethanol	3.71	45	34776	1.075	ppbv #	36
14) Bromoethene	3.85	108	162458	1.936	ppbv	99
15) Acetone	3.97	43	472172	2.151	ppbv	99
16) 1,3-Butadiene	3.42	39	221011	2.024	ppbv	98
17) tert-Butyl alcohol	4.43	59	197903	1.475	ppbv	100
18) 1,1-Dichloroethene	4.42	96	160153	1.907	ppbv	90
19) Isopropyl Alcohol	4.09	45	263366	1.486	ppbv #	96
20) Methylene Chloride	4.48	84	151481	1.899	ppbv	96
21) Allyl Chloride	4.55	41	265861	1.803	ppbv	99
22) trans-1,2-Dichloroethene	5.04	96	158723	1.792	ppbv	95
23) Vinyl Acetate	5.23	43	770994	1.931	ppbv #	98
24) 1,1-Dichloroethane	5.16	63	546456	2.115	ppbv	98
25) Ethyl Acetate	5.85	43	928152	2.036	ppbv	100
26) Hexane	5.86	57	432362	2.054	ppbv	98
27) Carbon Disulfide	4.69	76	349193	1.705	ppbv	97
28) Methyl tert-Butyl Ether	5.19	73	670835	1.830	ppbv	100
29) Chloroform	5.92	83	643333	2.098	ppbv	100
30) Cyclohexane	7.33	84	394447	1.961	ppbv	87
31) cis-1,2-Dichloroethene	5.72	61	419575	1.985	ppbv	97
32) 1,1,1-Trichloroethane	6.70	97	694050	2.129	ppbv	99
34) 2-Butanone	5.41	43	637781	2.190	ppbv	99
35) Carbon Tetrachloride	7.22	117	693161	2.180	ppbv	98
36) Benzene	7.09	78	1000724	2.214	ppbv	99
37) 1,2-Dichloroethane	6.49	62	503259	2.224	ppbv	99
38) Trichloroethene	8.05	130	337782	1.976	ppbv	97
39) 1,2-Dichloropropane	7.82	63	388742	2.202	ppbv	92
40) 1,4-Dioxane	8.06	88	125539	1.899	ppbv #	95
41) Tetrahydrofuran	6.24	42	352872	2.007	ppbv	99
42) Bromodichloromethane	8.01	83	775986	2.252	ppbv	97
43) Methyl Methacrylate	8.22	69	387348	2.116	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071218\
Data File : VL032229.D
Acq On : 12 Jul 2018 18:44
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Jul 13 03:37:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 13 03:36:40 2018
QLast Update : Fri Jul 13 03:36:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	1764805	2.283	ppbv		99
45) t-1,3-Dichloropropene	9.51	75	429340	1.876	ppbv		96
46) cis-1,3-Dichloropropene	8.93	75	586102	2.127	ppbv		99
47) 1,1,2-Trichloroethane	9.71	97	412617	2.263	ppbv		98
48) Dibromochloromethane	10.54	129	622480	2.217	ppbv		100
49) Bromoform	13.30	173	509218	2.177	ppbv		99
50) 4-Methyl-2-Pentanone	8.96	43	1122629	2.313	ppbv		99
51) 2-Hexanone	10.37	43	957785	2.381	ppbv	#	99
52) Tetrachloroethene	11.47	164	323045	2.008	ppbv		93
53) Toluene	10.04	91	1129452	2.119	ppbv		98
54) 1,2-Dibromoethane	10.85	107	597522	2.186	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.37	131	473206	2.141	ppbv	#	1
57) Chlorobenzene	12.39	112	903742	2.113	ppbv		98
58) Ethyl Benzene	12.96	91	1621365	2.033	ppbv		95
59) m/p-Xylene	13.24	91	1172886	1.832	ppbv	#	16
60) o-Xylene	13.94	91	1305664	2.050	ppbv		98
61) Styrene	13.78	104	983698	1.907	ppbv		99
62) Isopropylbenzene	14.92	105	1823789	1.877	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.93	83	602888	1.214	ppbv	#	47
64) n-propylbenzene	15.82	120	456754	1.813	ppbv		87
65) tert-Butylbenzene	17.00	119	1581149	1.855	ppbv		99
66) Benzyl Chloride	17.25	91	779968	1.510	ppbv		99
67) sec-Butylbenzene	17.55	105	2330702	1.862	ppbv		99
69) p-Isopropyltoluene	17.91	119	1768057	1.770	ppbv		99
70) n-Butylbenzene	18.81	91	1951720	1.852	ppbv		99
71) 2-Chlorotoluene	15.71	91	1445346	1.913	ppbv		100
72) 4-Ethyltoluene	16.09	105	1458893	1.783	ppbv		99
73) 1,3,5-Trimethylbenzene	16.25	105	1344054	1.743	ppbv		99
74) 1,2,4-Trimethylbenzene	17.02	105	1372859	1.763	ppbv	#	87
75) 1,3-Dichlorobenzene	17.26	146	826731	1.876	ppbv		99
76) 1,4-Dichlorobenzene	17.40	146	383073	0.861	ppbv	#	16
77) 1,2-Dichlorobenzene	18.09	146	825556	1.882	ppbv		98
78) Hexachloro-1,3-Butadiene	23.63	225	267438	1.786	ppbv		99
79) Naphthalene	22.52	128	724428	1.041	ppbv		98
80) Naphthalene,2-methyl-	25.19	142	48964	0.199	ppbv		96
81) 1,2,4-Trichlorobenzene	22.25	180	395965	1.266	ppbv		98

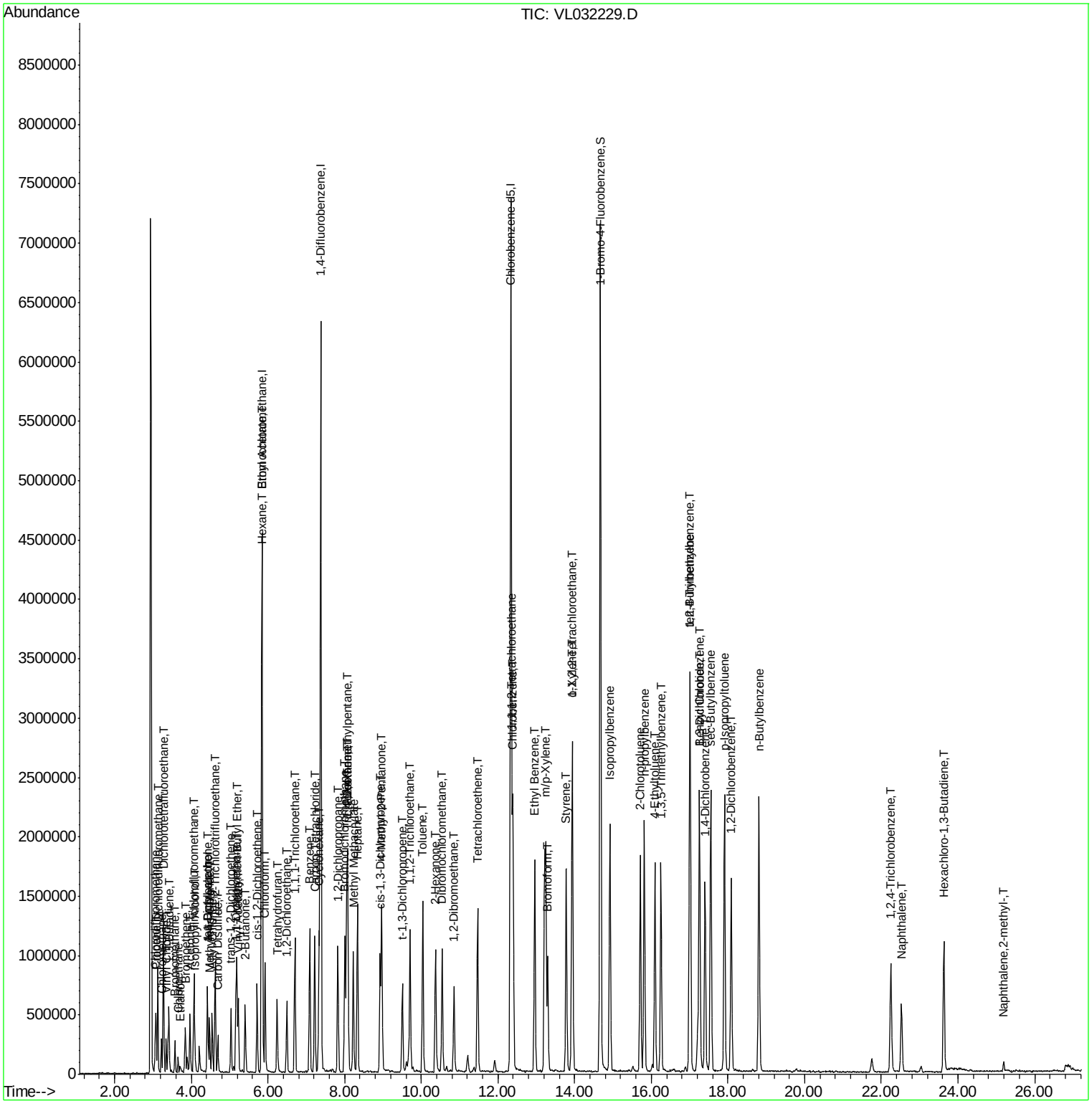
(#) = qualifier out of range (m) = manual integration (+) = signals summed

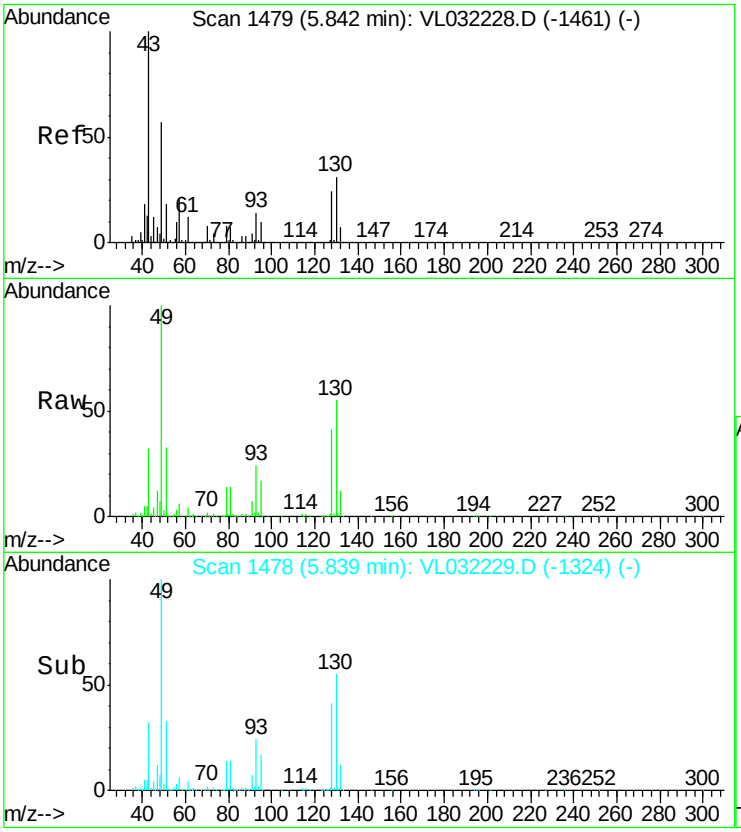
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071218\
Data File : VL032229.D
Acq On : 12 Jul 2018 18:44
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Jul 13 03:37:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 13 03:36:40 2018
QLast Update : Fri Jul 13 03:36:40 2018
Response via : Initial Calibration



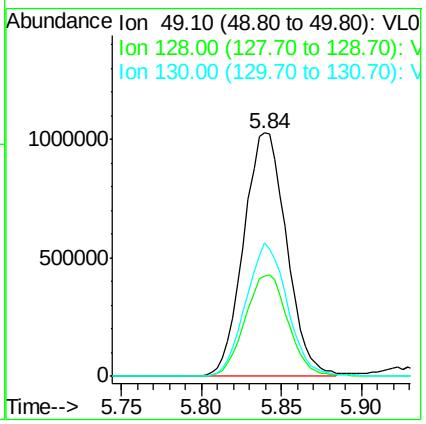


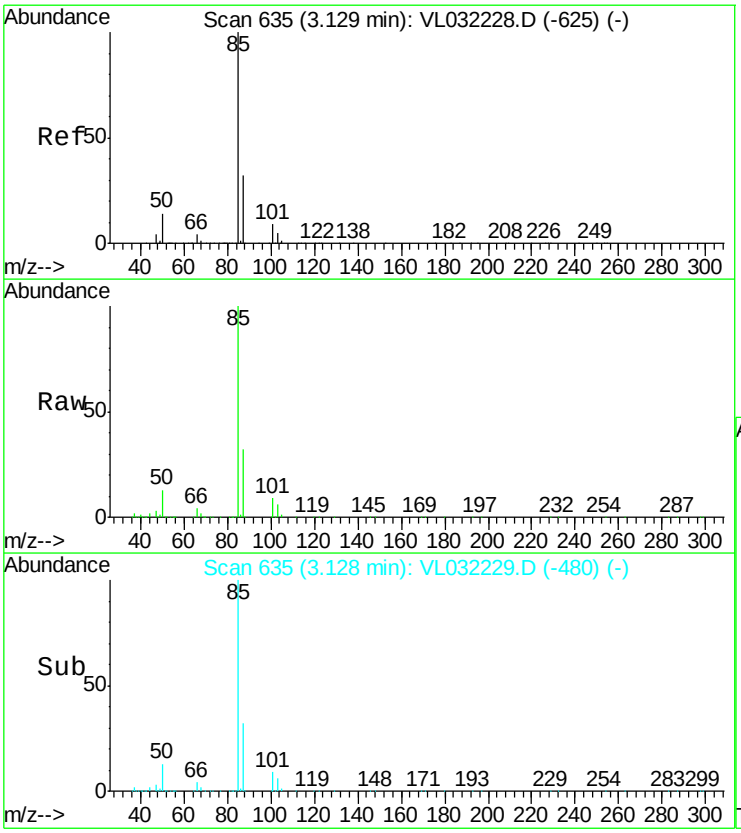
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.84 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 1887912

Ion	Ratio	Lower	Upper
49	100		
128	42.0	20.9	62.8
130	53.3	27.0	81.0

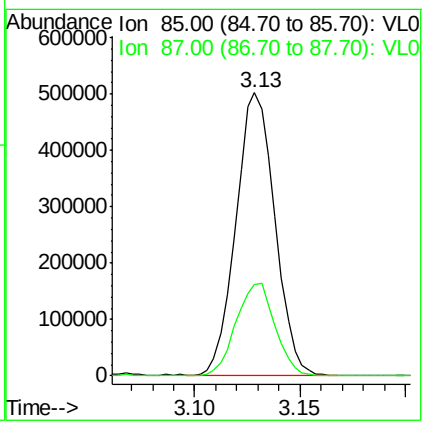


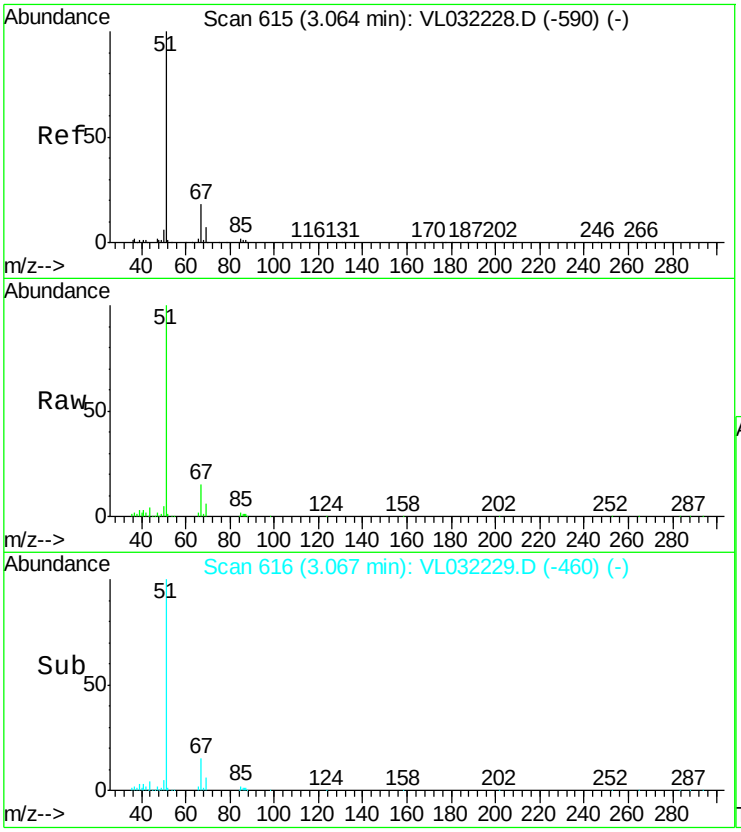


#2
Dichlorodifluoromethane
Concen: 2.513 ppbv
RT: 3.13 min Scan# 635
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 85 Resp: 642622

Ion	Ratio	Lower	Upper
85	100		
87	32.2	25.8	38.6



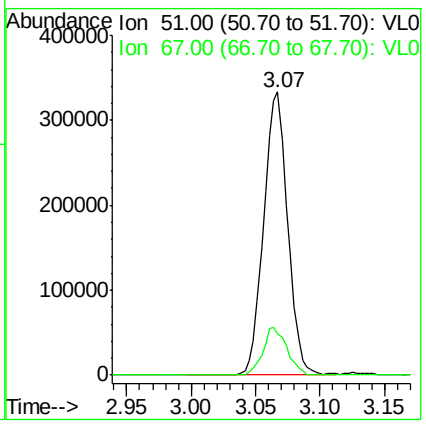


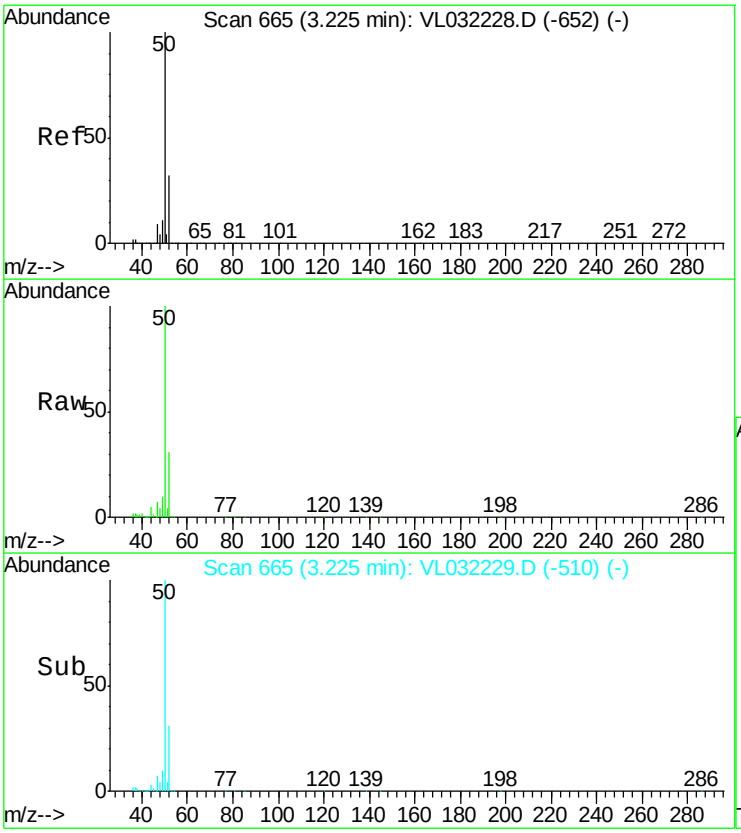
#3
Chlorodifluoromethane
Concen: 1.830 ppbv
RT: 3.07 min Scan# 616
Delta R.T. 0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 433575

Ion	Ratio	Lower	Upper
51	100		
67	16.9	14.6	22.0

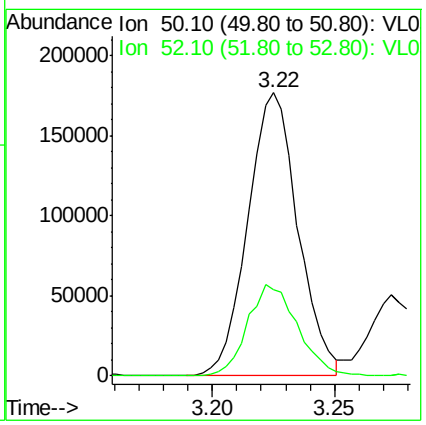


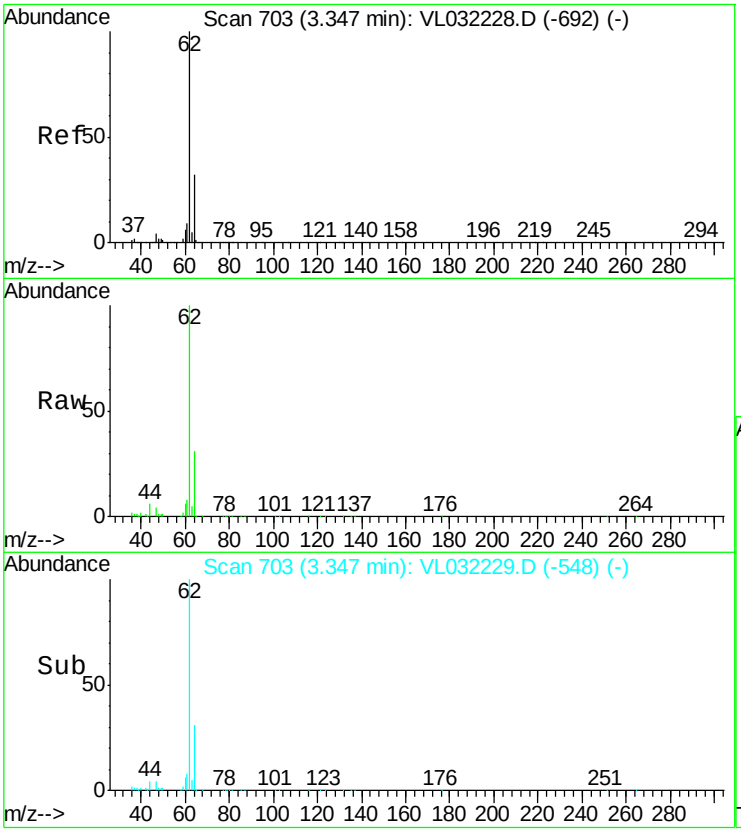


#4
Chloromethane
Concen: 1.964 ppbv
RT: 3.22 min Scan# 665
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 50 Resp: 251777

Ion	Ratio	Lower	Upper
50	100		
52	30.5	25.7	38.5



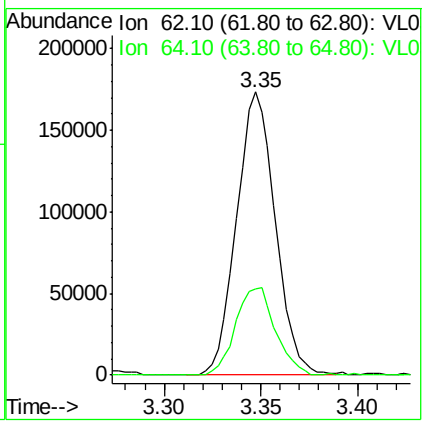


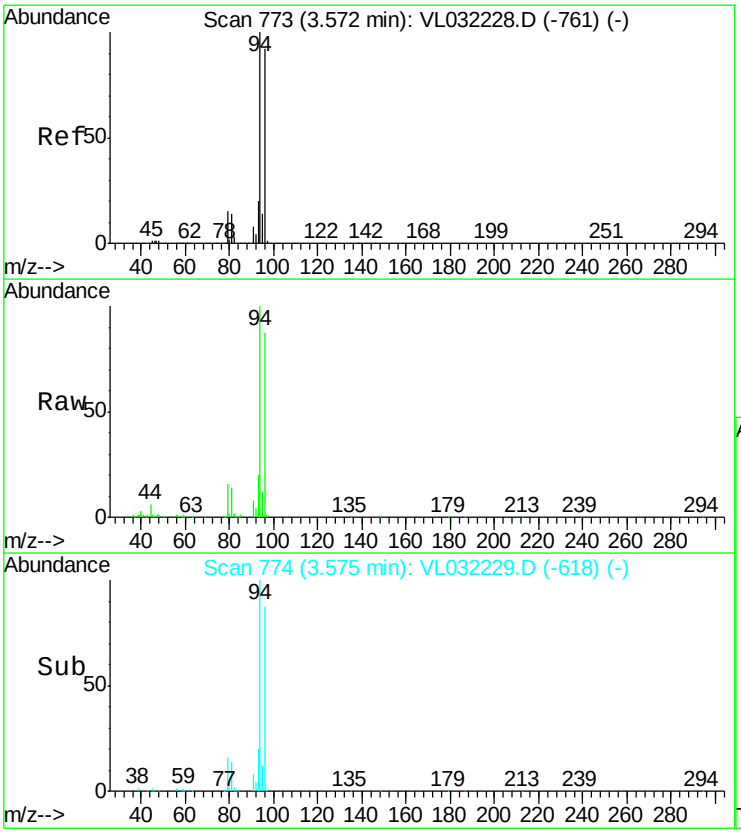
#5
Vinyl Chloride
Concen: 1.895 ppbv
RT: 3.35 min Scan# 703
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 241912

Ion	Ratio	Lower	Upper
62	100		
64	30.6	25.8	38.6

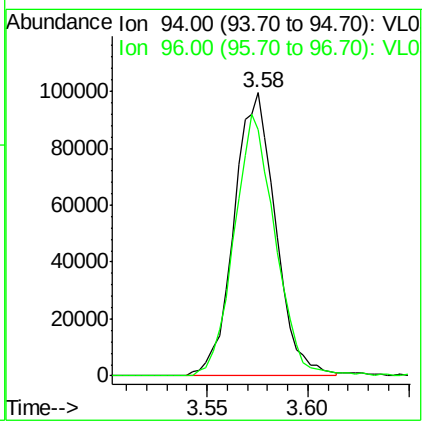


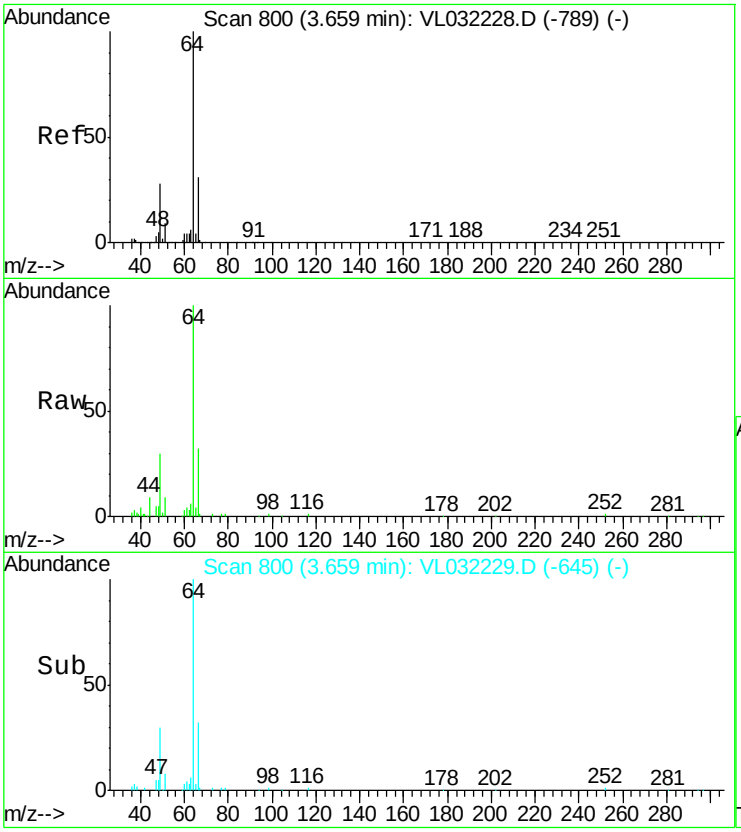


#6
Bromomethane
Concen: 1.971 ppbv
RT: 3.58 min Scan# 774
Delta R.T. 0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 94 Resp: 143594

Ion	Ratio	Lower	Upper
94	100		
96	86.9	73.5	110.3



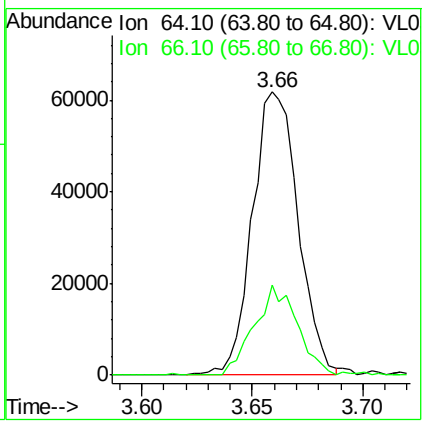


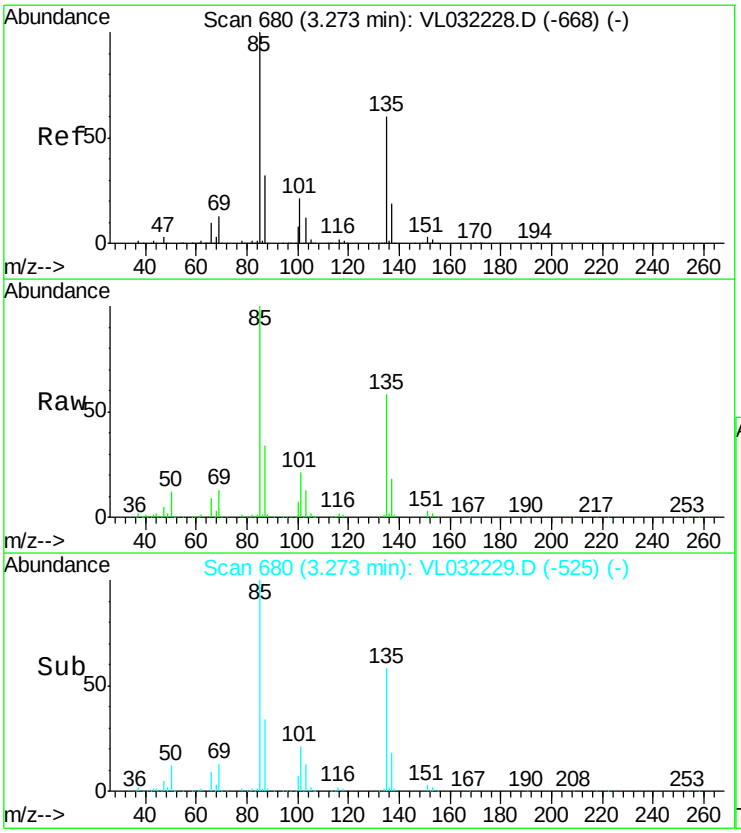
#7
Chloroethane
Concen: 1.950 ppbv
RT: 3.66 min Scan# 800
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 88545

Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.4	36.6

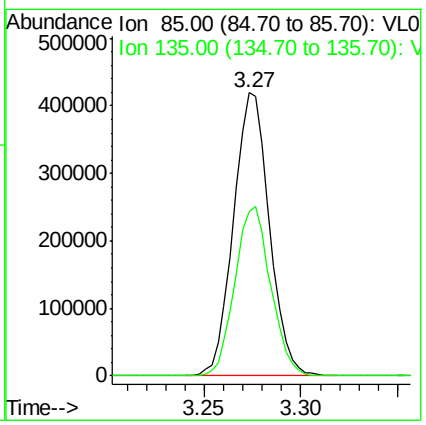


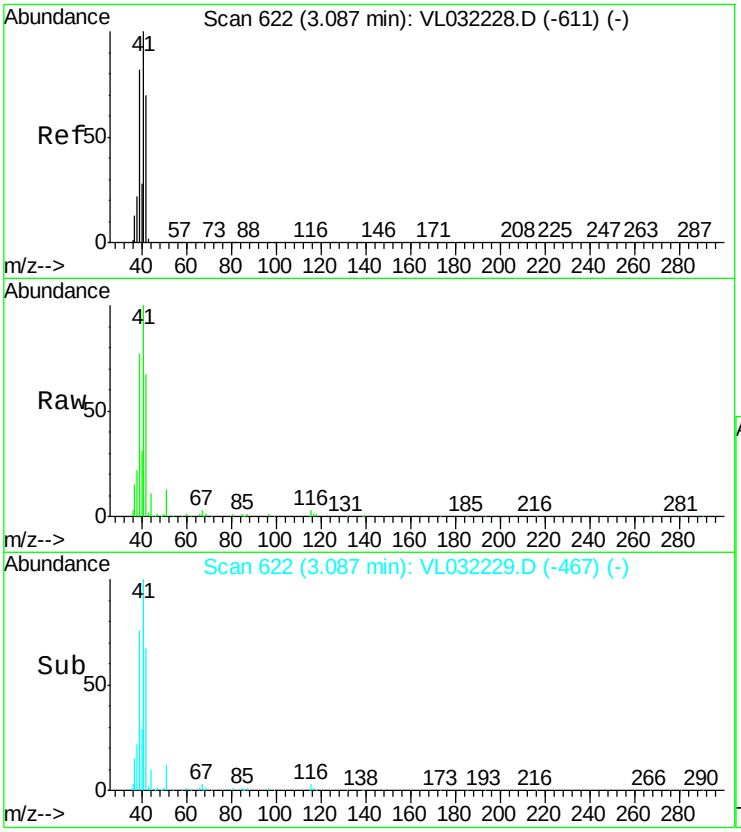


#8
Dichlorotetrafluoroethane
Concen: 1.894 ppbv
RT: 3.27 min Scan# 680
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 85 Resp: 539918

Ion	Ratio	Lower	Upper
85	100		
135	59.9	48.6	72.8



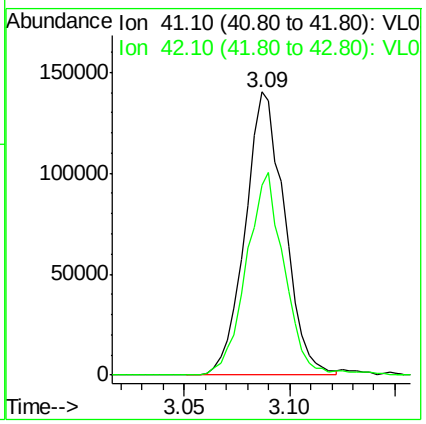


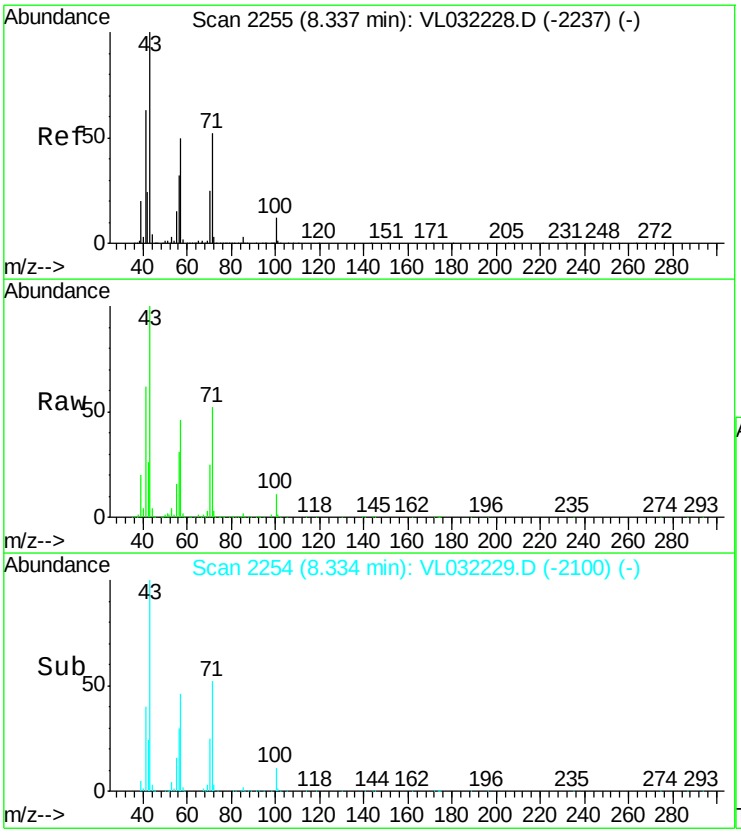
#9
Propene
Concen: 1.680 ppbv
RT: 3.09 min Scan# 622
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 182497

Ion	Ratio	Lower	Upper
41	100		
42	70.0	56.2	84.4

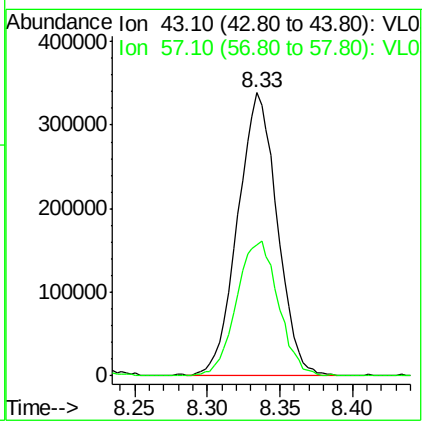


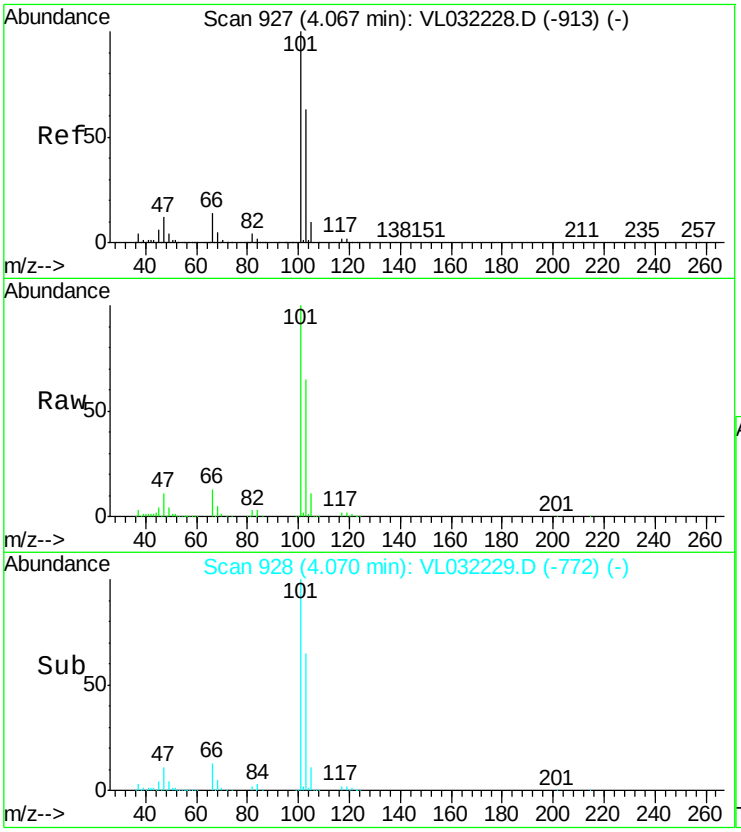


#10
Heptane
Concen: 2.040 ppbv
RT: 8.33 min Scan# 2254
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 43 Resp: 637787

Ion	Ratio	Lower	Upper
43	100		
57	50.8	40.7	61.1



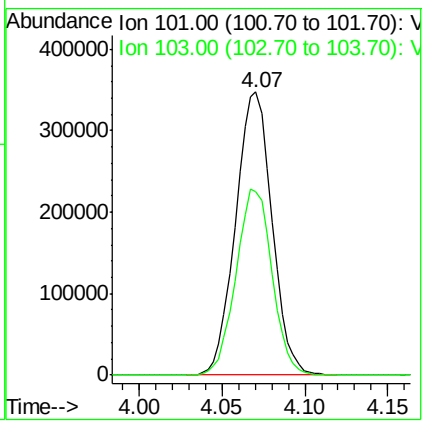


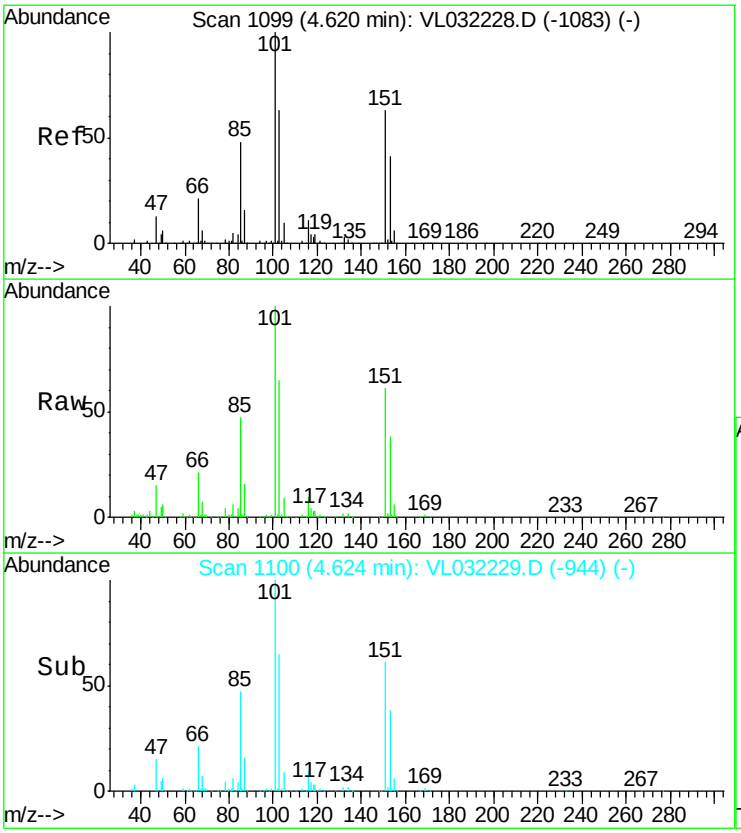
#11
Trichlorofluoromethane
Concen: 1.987 ppbv
RT: 4.07 min Scan# 928
Delta R.T. 0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 530567

Ion	Ratio	Lower	Upper
101	100		
103	64.8	50.2	75.2

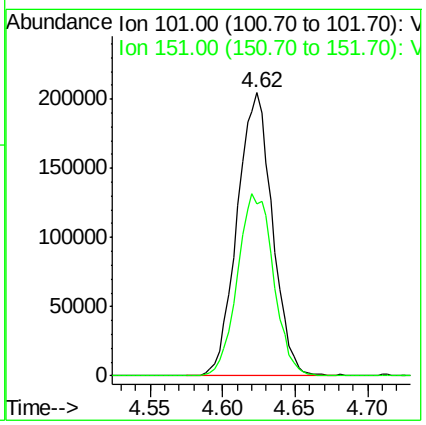


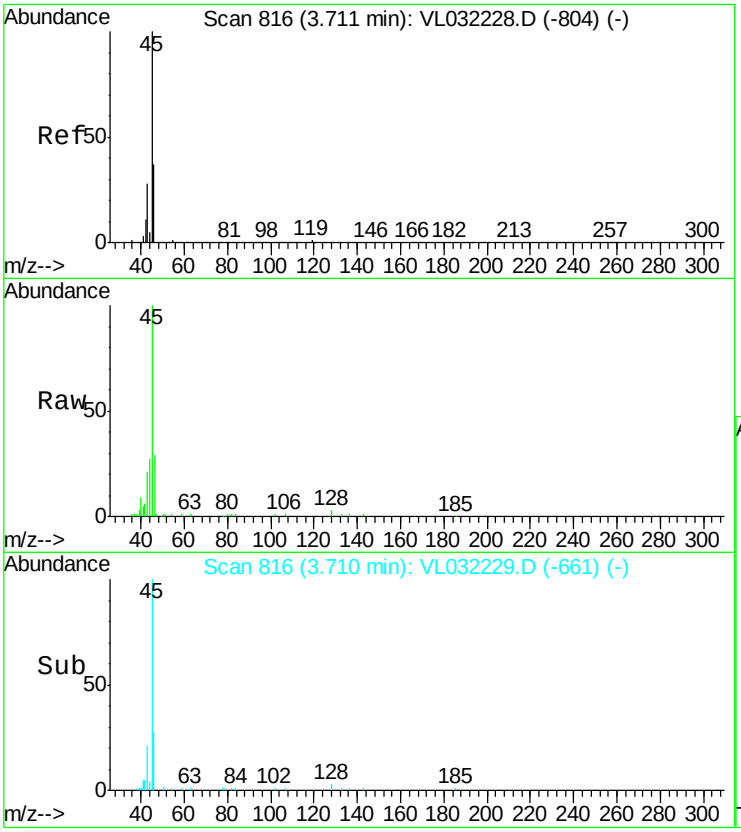


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.951 ppbv
RT: 4.62 min Scan# 1100
Delta R.T. 0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion:101 Resp: 345264

Ion	Ratio	Lower	Upper
101	100		
151	66.0	52.2	78.2



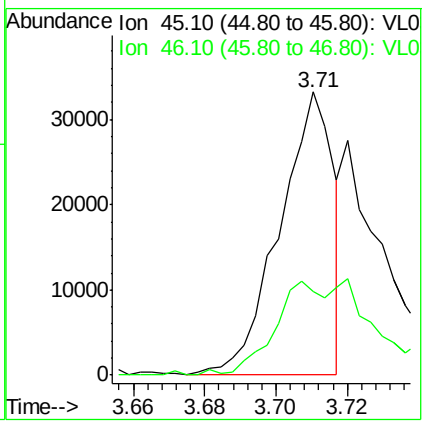


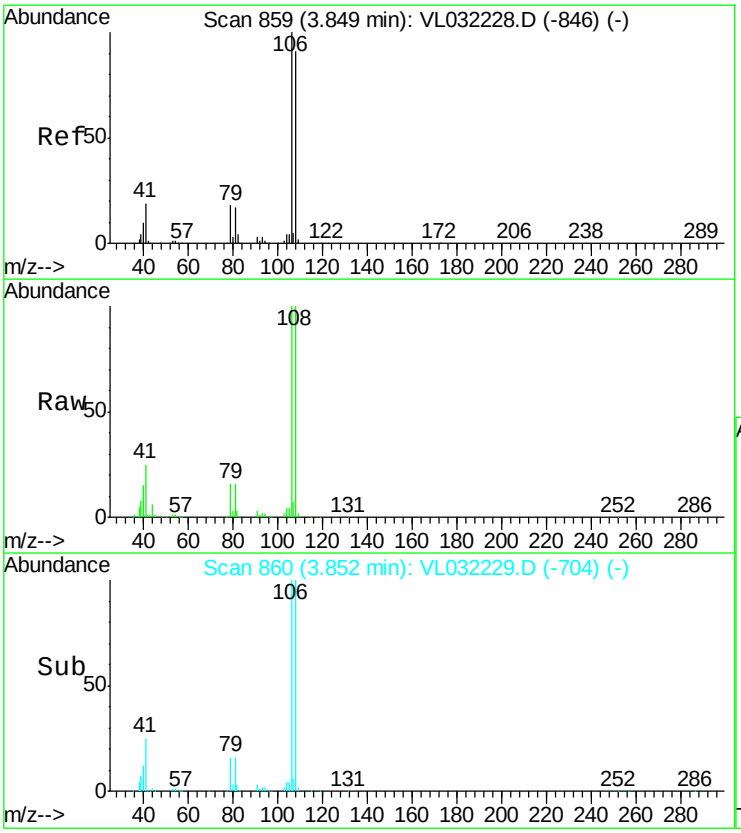
#13
Ethanol
Concen: 1.075 ppbv
RT: 3.71 min Scan# 816
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 34776

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.5	61.9#

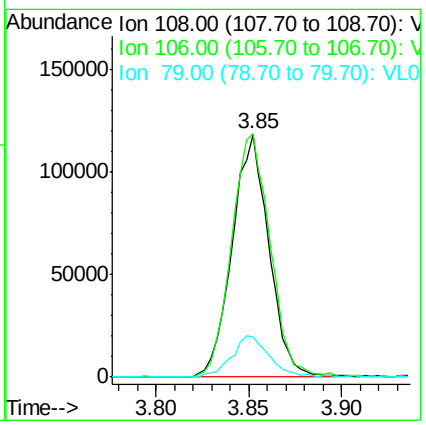


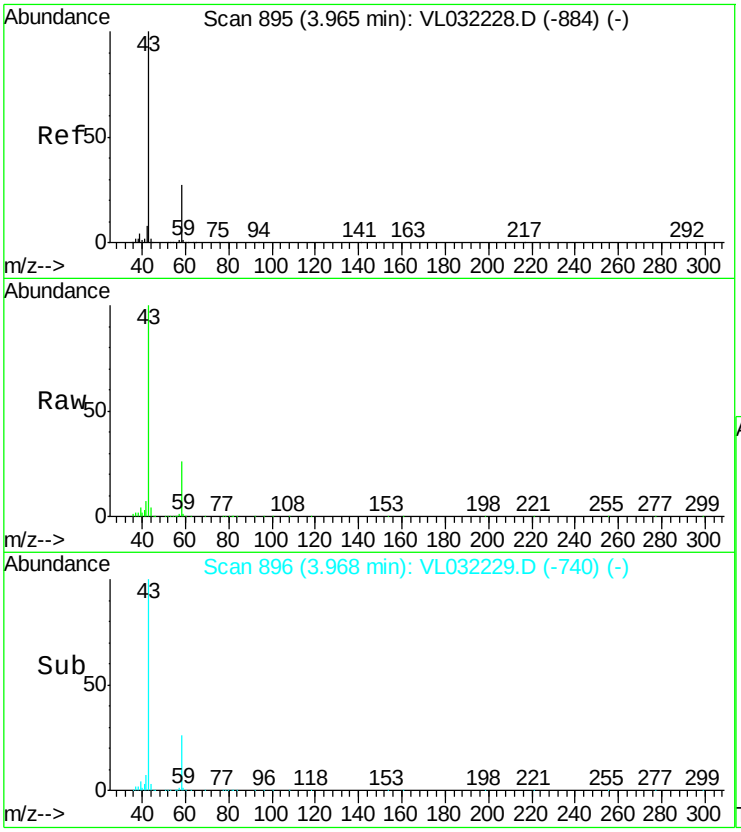


#14
Bromoethene
Concen: 1.936 ppbv
RT: 3.85 min Scan# 860
Delta R.T. 0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion:108 Resp: 162458

Ion	Ratio	Lower	Upper
108	100		
106	106.0	85.5	128.3
79	17.6	14.2	21.4



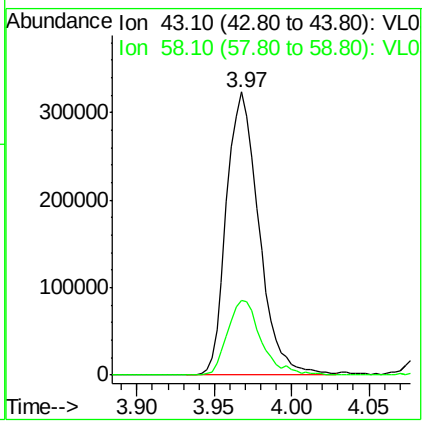


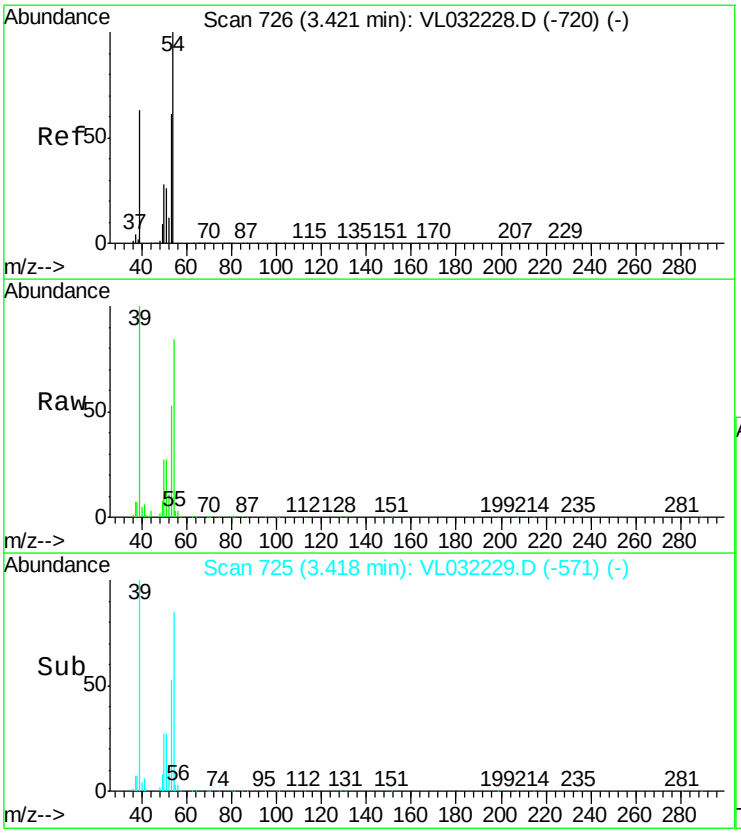
#15
Acetone
Concen: 2.151 ppbv
RT: 3.97 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 472172

Ion	Ratio	Lower	Upper
43	100		
58	27.5	21.5	32.3

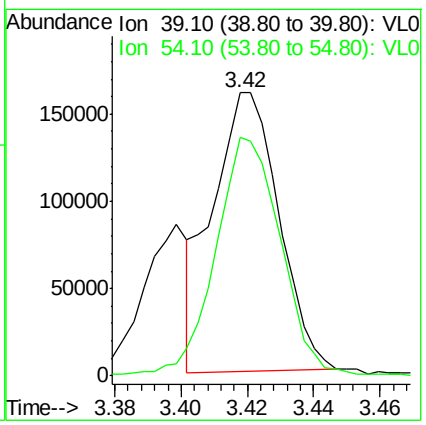


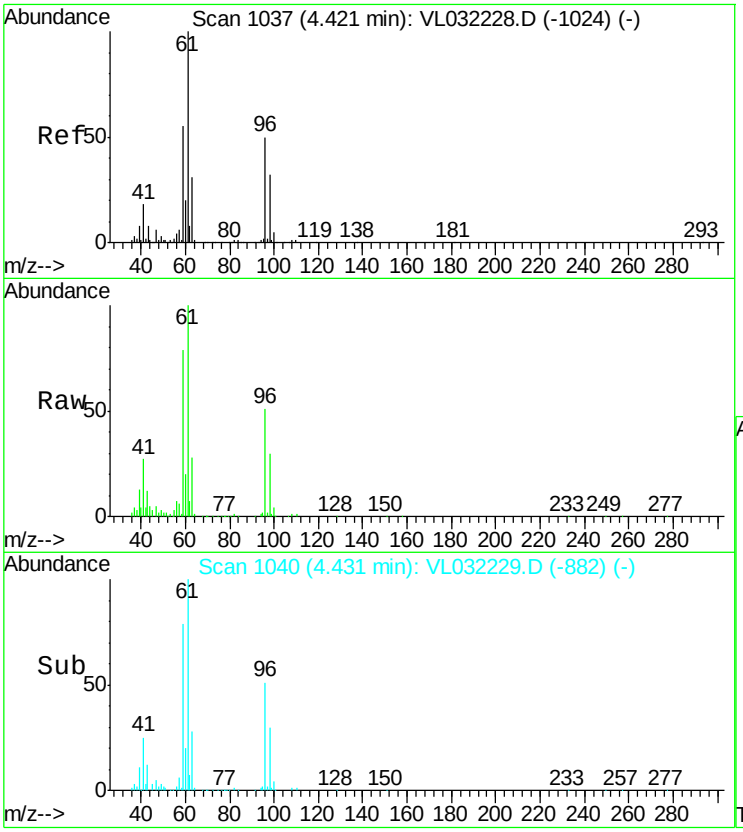


#16
1,3-Butadiene
Concen: 2.024 ppbv
RT: 3.42 min Scan# 725
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 39 Resp: 221011

Ion	Ratio	Lower	Upper
39	100		
54	85.2	70.0	105.0



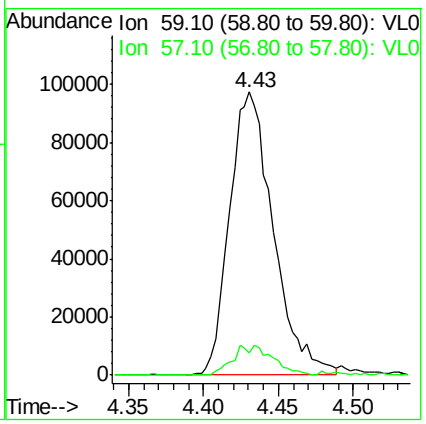


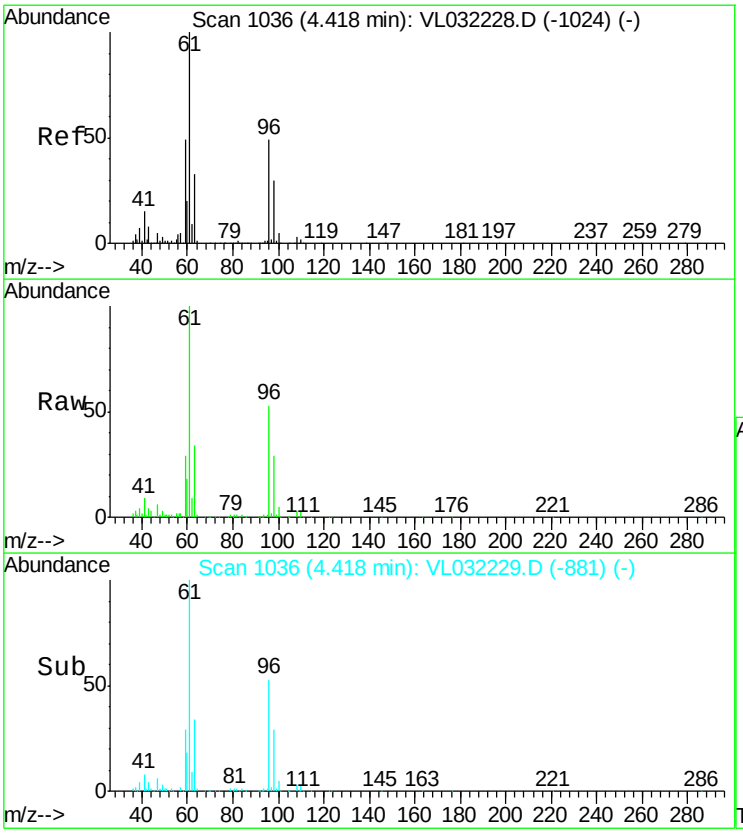
#17
tert-Butyl alcohol
Concen: 1.475 ppbv
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 197903

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

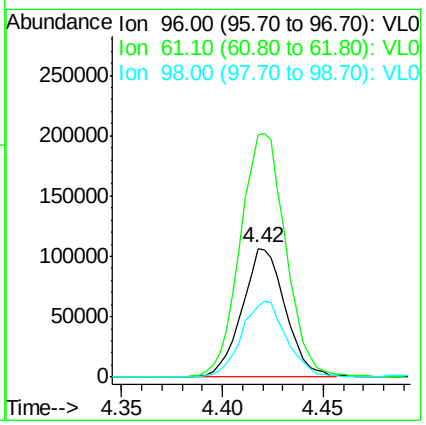


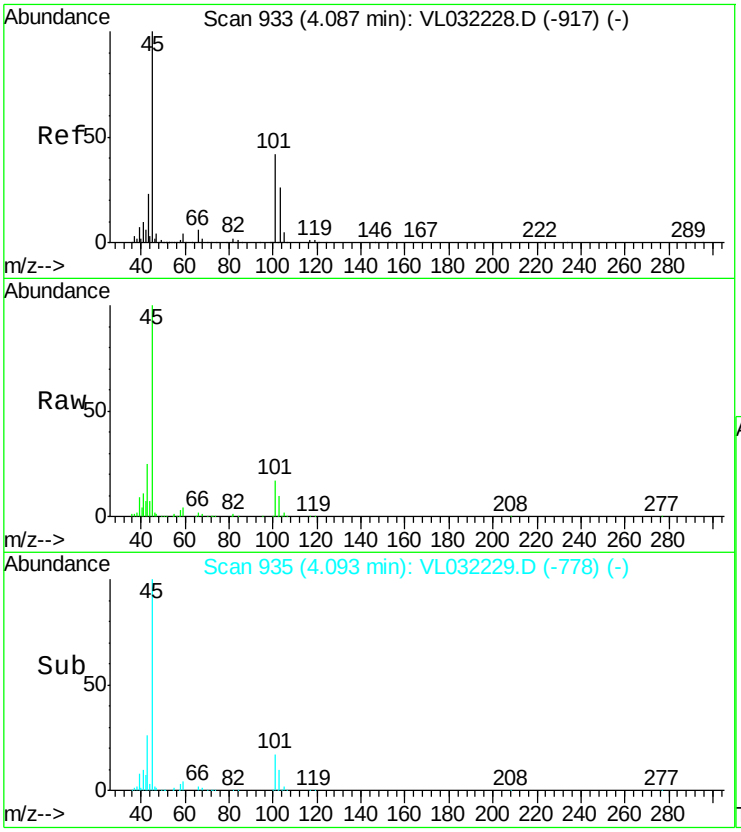


#18
1,1-Dichloroethene
Concen: 1.907 ppbv
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 96 Resp: 160153

Ion	Ratio	Lower	Upper
96	100		
61	187.8	163.0	244.4
98	55.0	48.5	72.7



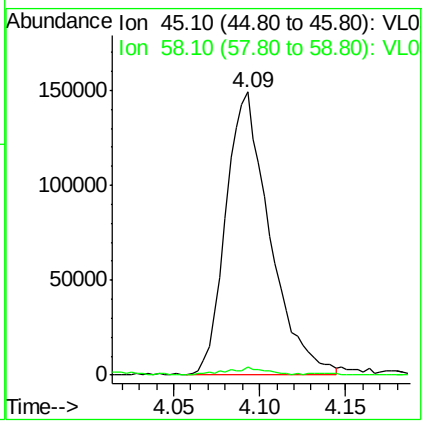


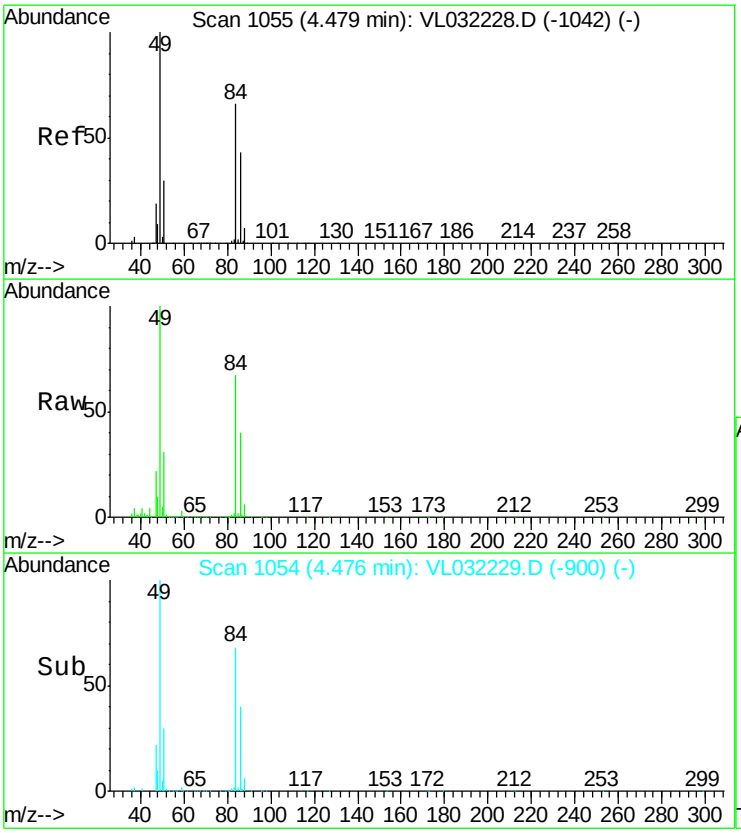
#19
Isopropyl Alcohol
Concen: 1.486 ppbv
RT: 4.09 min Scan# 935
Delta R.T. 0.01 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 45 Resp: 263366

Ion	Ratio	Lower	Upper
45	100		
58	3.2	1.3	1.9#

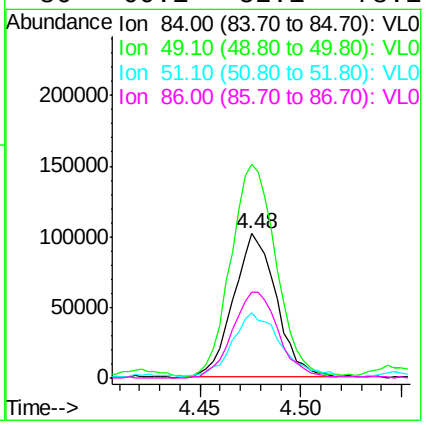


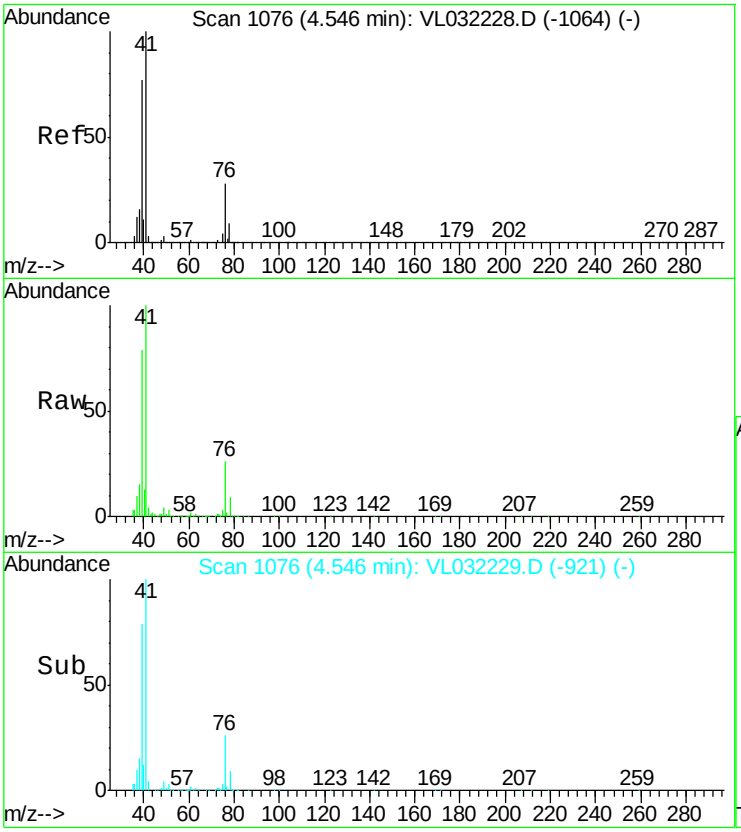


#20
Methylene Chloride
Concen: 1.899 ppbv
RT: 4.48 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 84 Resp: 151481

Ion	Ratio	Lower	Upper
84	100		
49	147.4	121.8	182.6
51	44.1	36.3	54.5
86	60.1	52.1	78.1



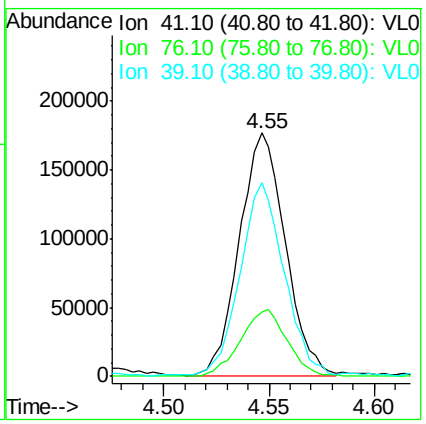


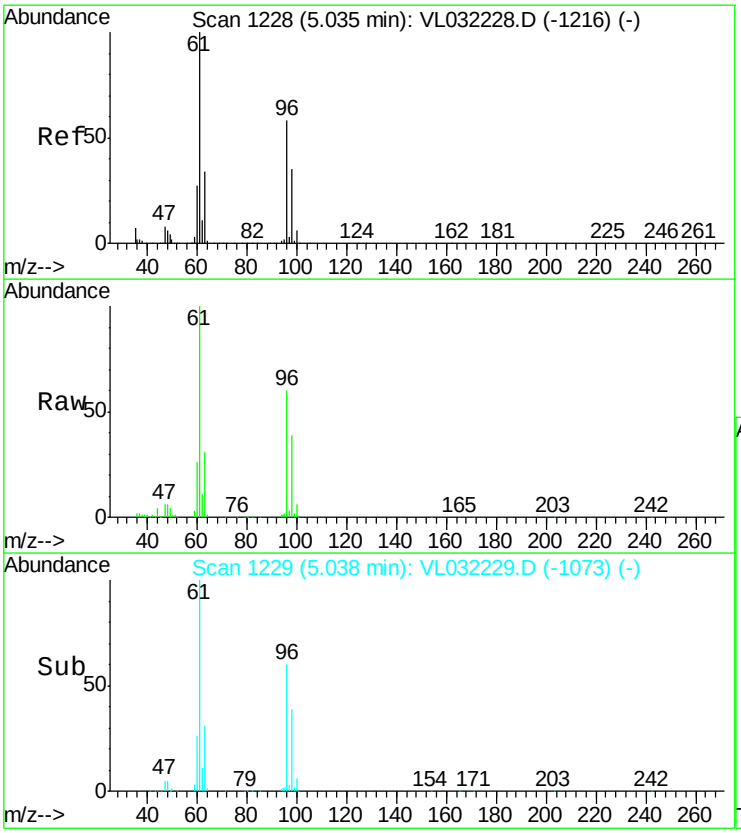
#21
Allyl Chloride
Concen: 1.803 ppbv
RT: 4.55 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 41 Resp: 265861

Ion	Ratio	Lower	Upper
41	100		
76	28.1	22.9	34.3
39	76.9	62.3	93.5

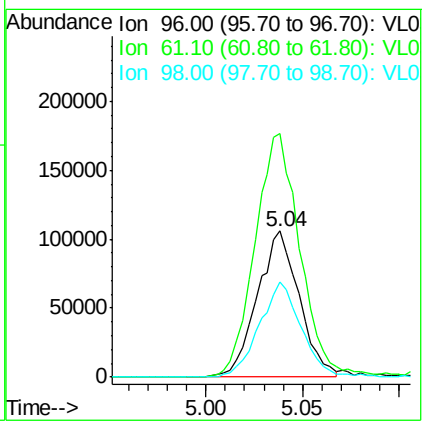


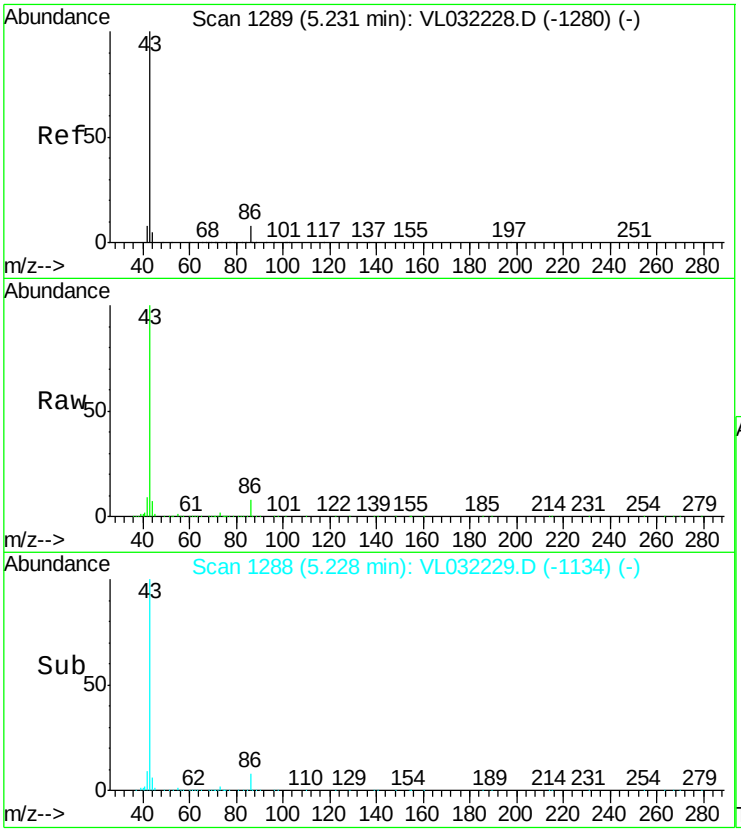


#22
trans-1,2-Dichloroethene
Concen: 1.792 ppbv
RT: 5.04 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 96 Resp: 158723

Ion	Ratio	Lower	Upper
96	100		
61	167.0	139.1	208.7
98	65.4	48.4	72.6



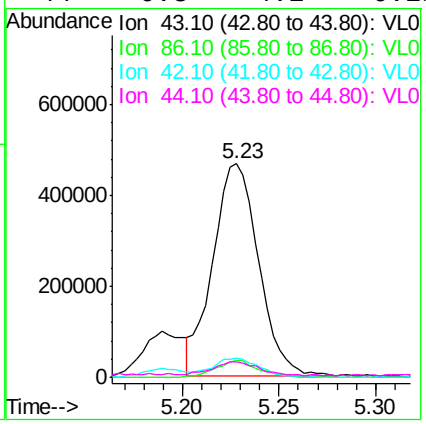


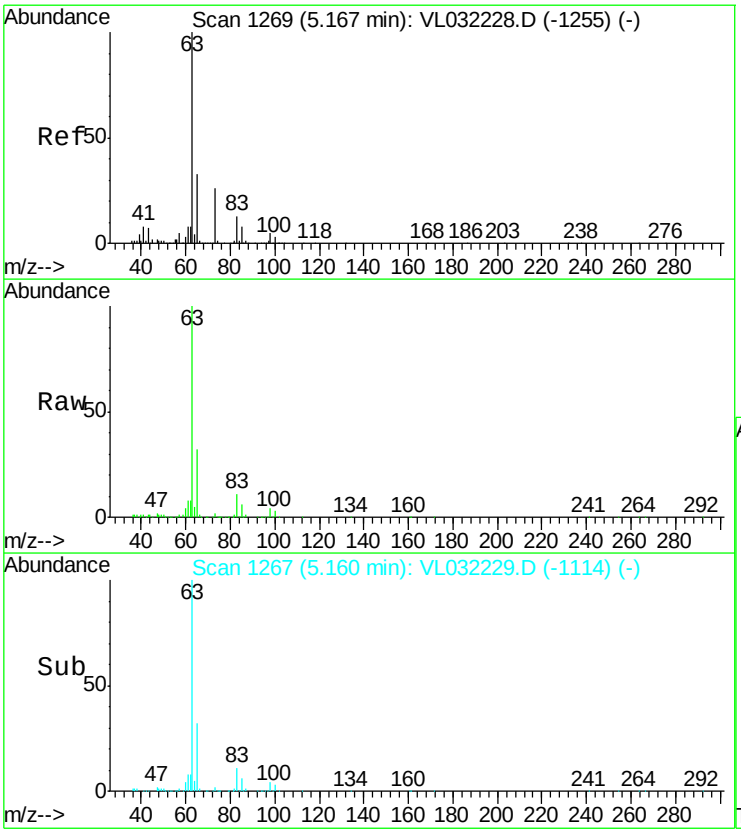
#23
Vinyl Acetate
Concen: 1.931 ppbv
RT: 5.23 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 770994

Ion	Ratio	Lower	Upper
43	100		
86	7.8	5.9	8.9
42	9.1	7.0	10.6
44	6.3	4.2	6.2#

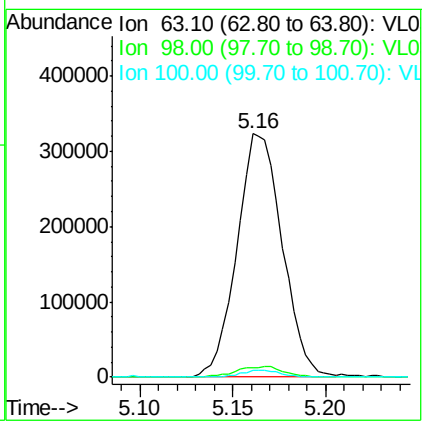


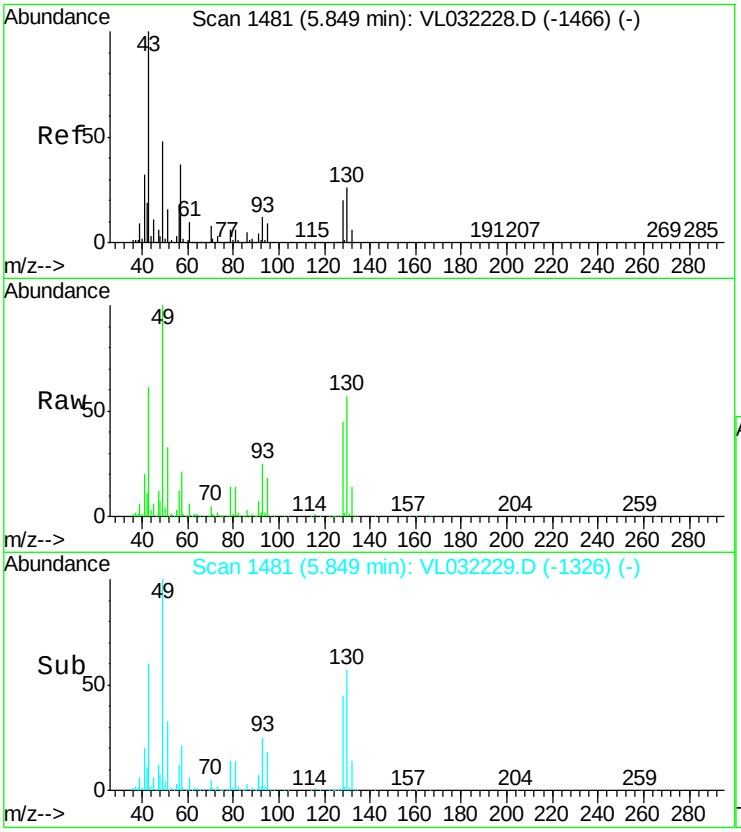


#24
1,1-Dichloroethane
Concen: 2.115 ppbv
RT: 5.16 min Scan# 1267
Delta R.T. -0.01 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 63 Resp: 546456

Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.4	7.1
100	2.7	1.5	4.4



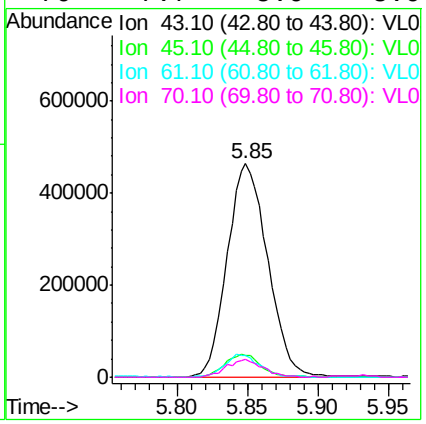


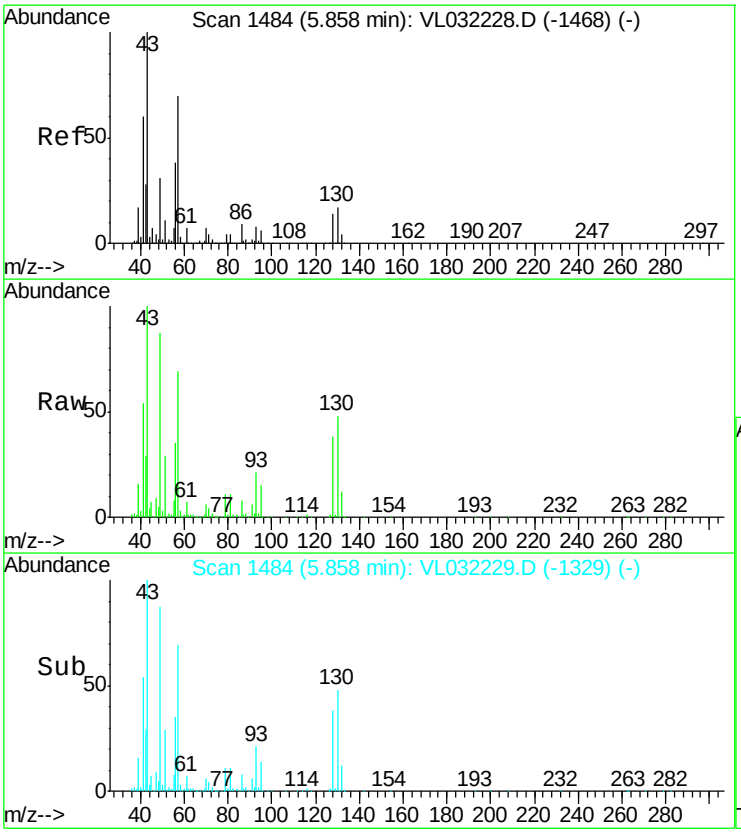
#25
Ethyl Acetate
Concen: 2.036 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 928152

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.7	7.7	11.5
70	7.7	5.9	8.9

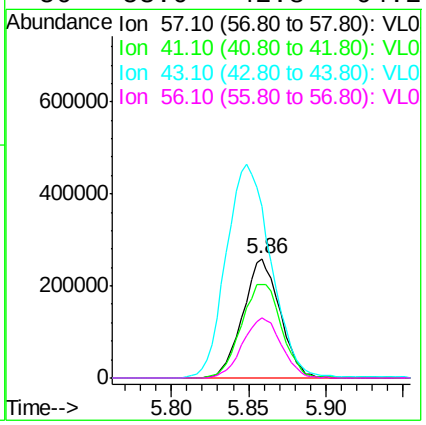


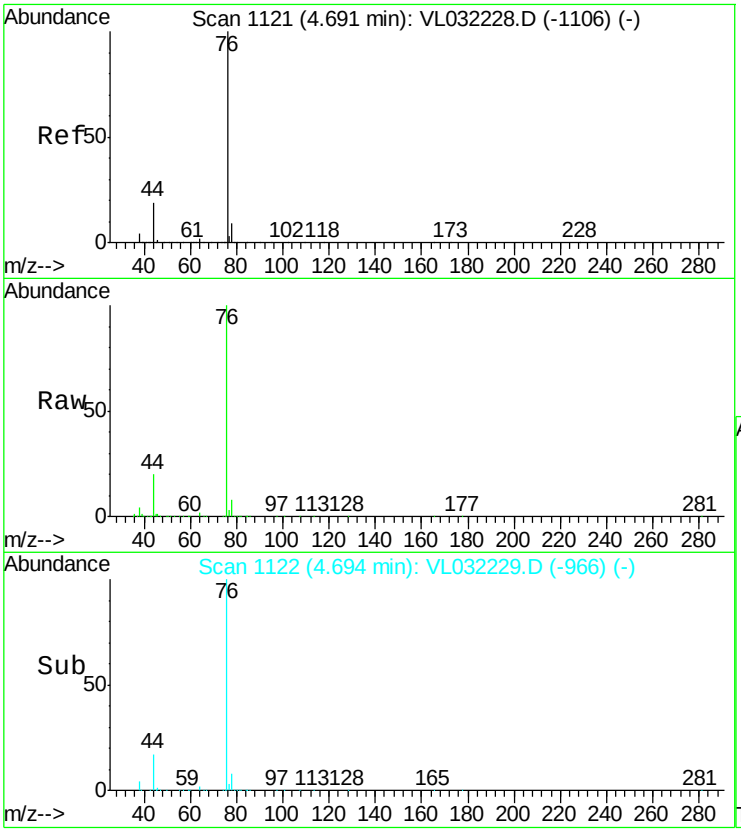


#26
Hexane
Concen: 2.054 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 57 Resp: 432362

Ion	Ratio	Lower	Upper
57	100		
41	87.2	68.7	103.1
43	215.9	176.2	264.2
56	53.0	42.8	64.2



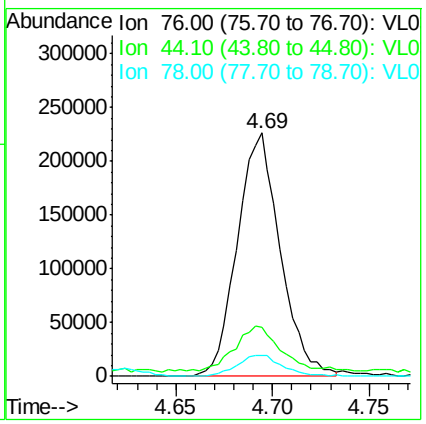


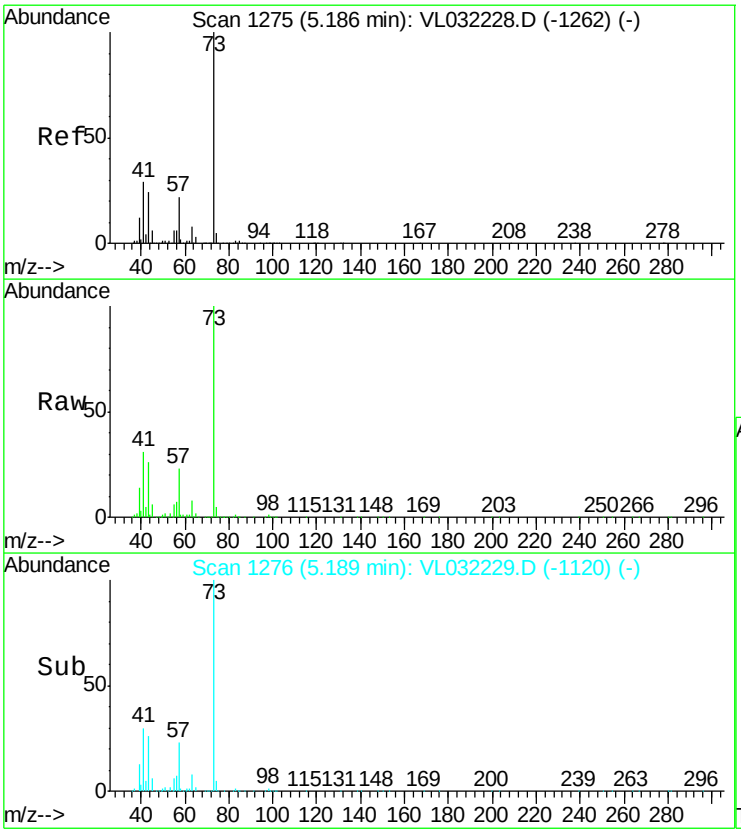
#27
Carbon Disulfide
Concen: 1.705 ppbv
RT: 4.69 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 76 Resp: 349193

Ion	Ratio	Lower	Upper
76	100		
44	20.6	15.1	22.7
78	9.3	7.4	11.0

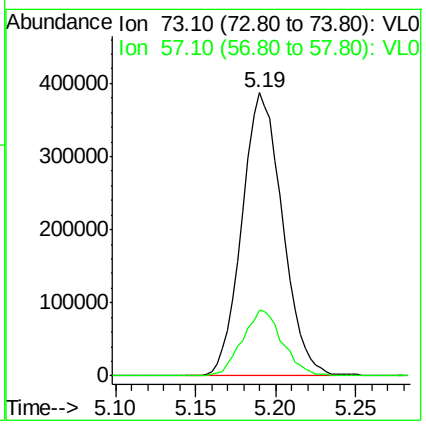


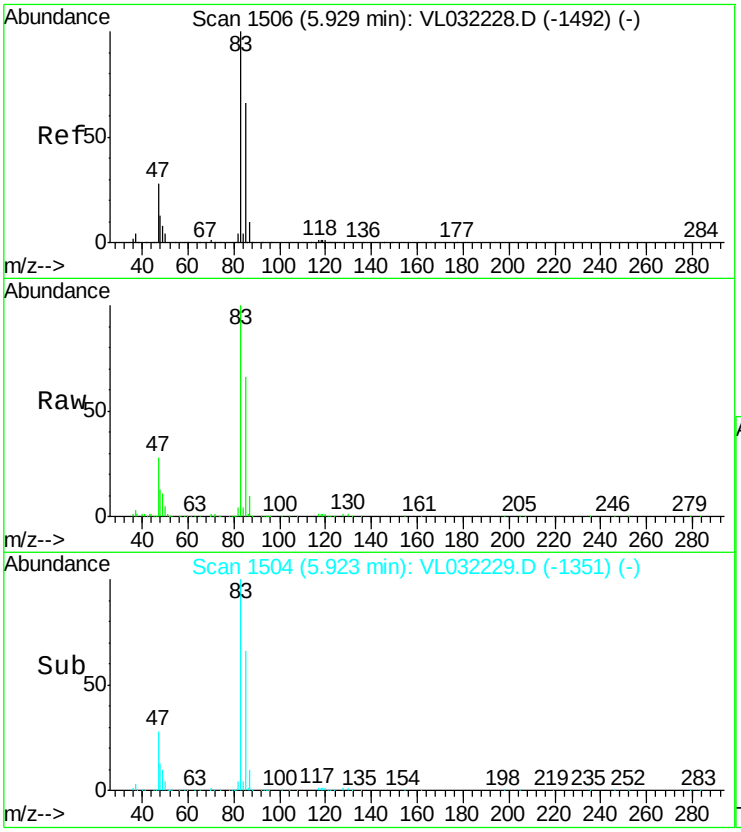


#28
Methyl tert-Butyl Ether
Concen: 1.830 ppbv
RT: 5.19 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 73 Resp: 670835

Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.6	27.8



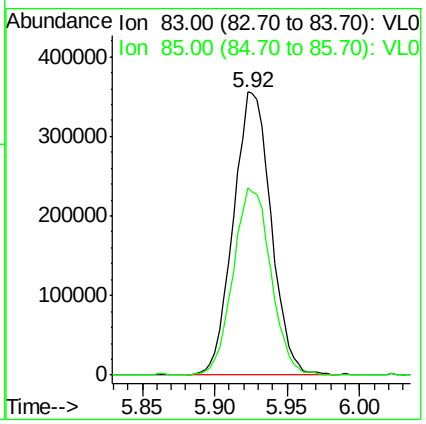


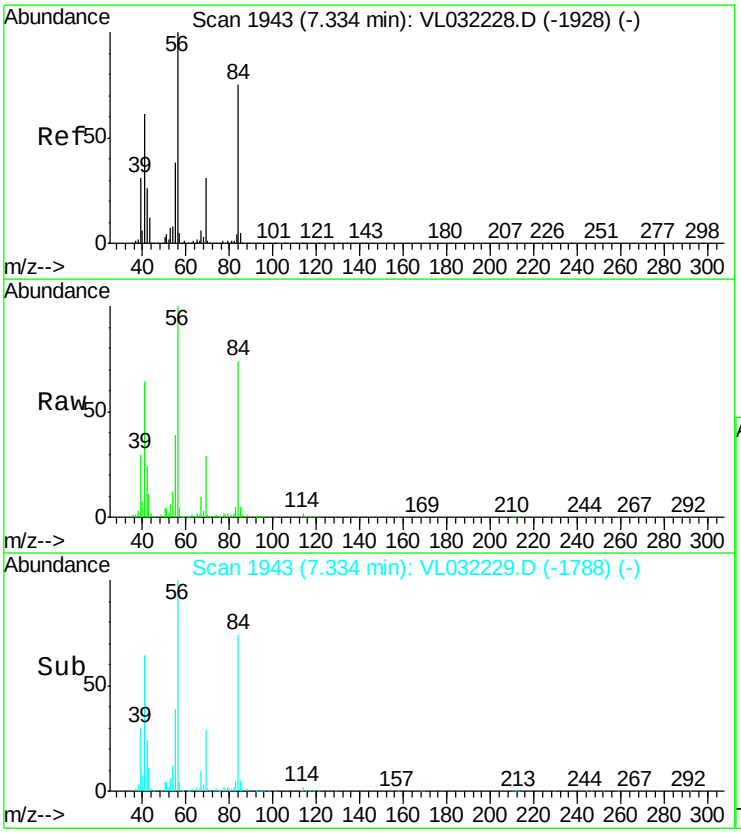
#29
Chloroform
Concen: 2.098 ppbv
RT: 5.92 min Scan# 1504
Delta R.T. -0.01 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 643333

Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.7	79.1

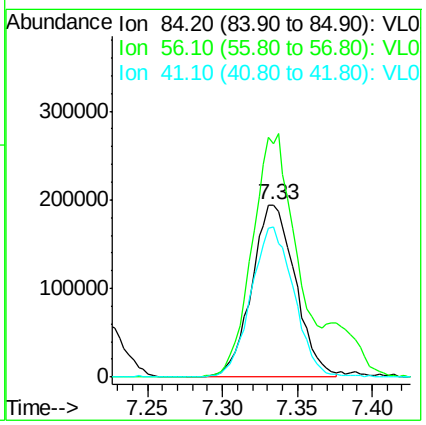


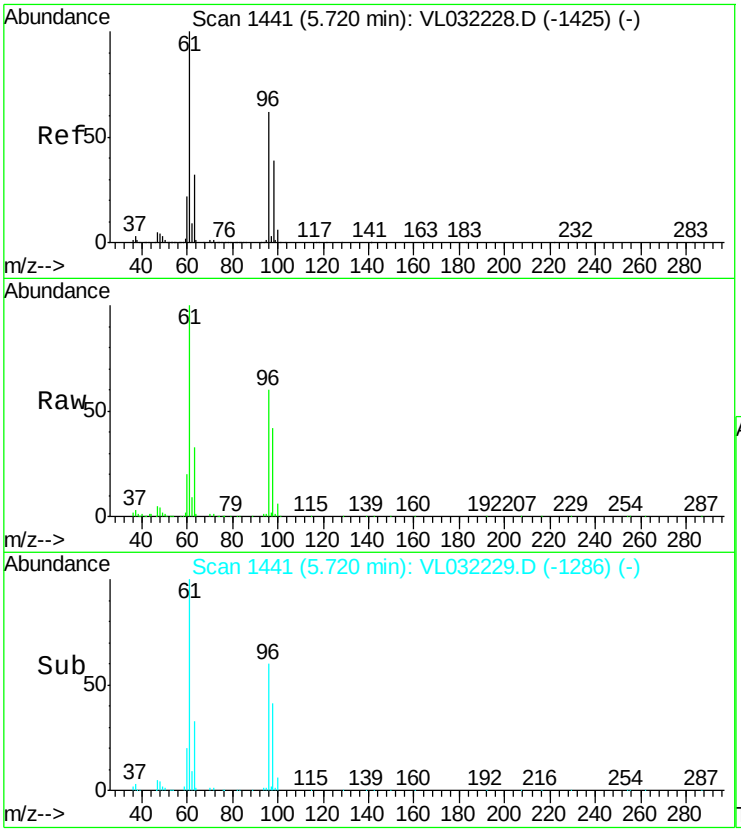


#30
Cyclohexane
Concen: 1.961 ppbv
RT: 7.33 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 84 Resp: 394447

Ion	Ratio	Lower	Upper
84	100		
56	164.6	112.6	168.8
41	85.9	67.0	100.6



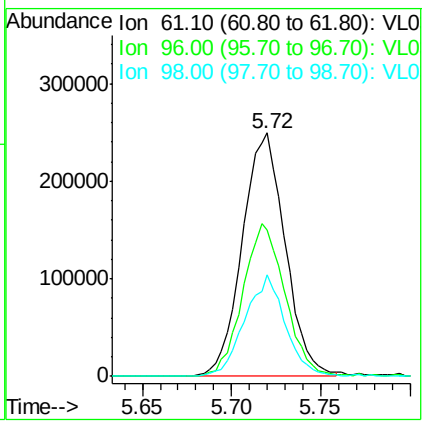


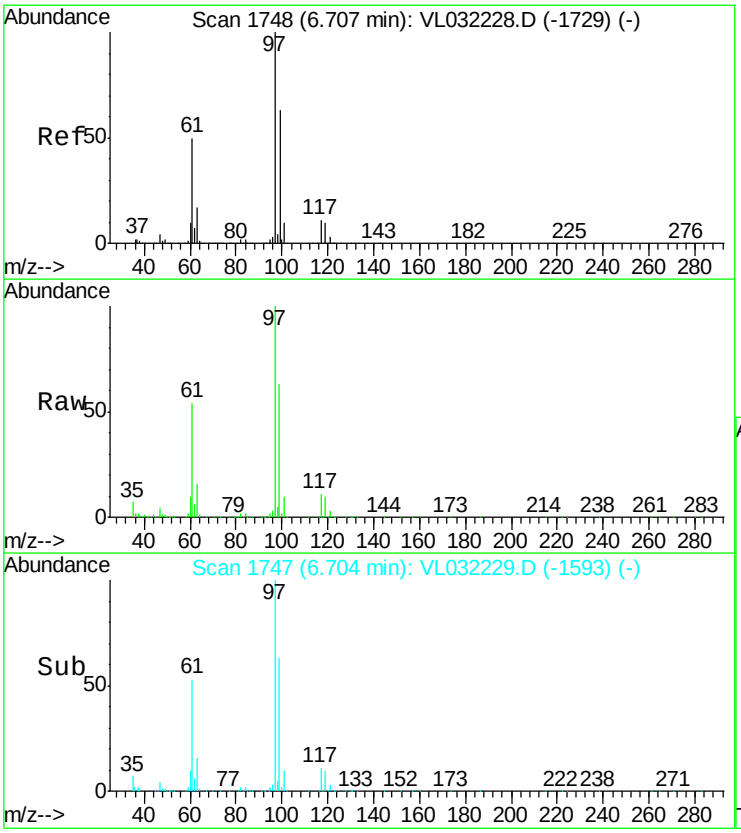
#31
cis-1,2-Dichloroethene
Concen: 1.985 ppbv
RT: 5.72 min Scan# 1441
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 419575

Ion	Ratio	Lower	Upper
61	100		
96	59.9	49.8	74.8
98	41.5	31.4	47.2

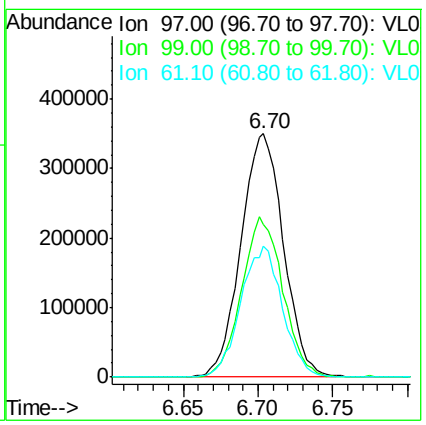


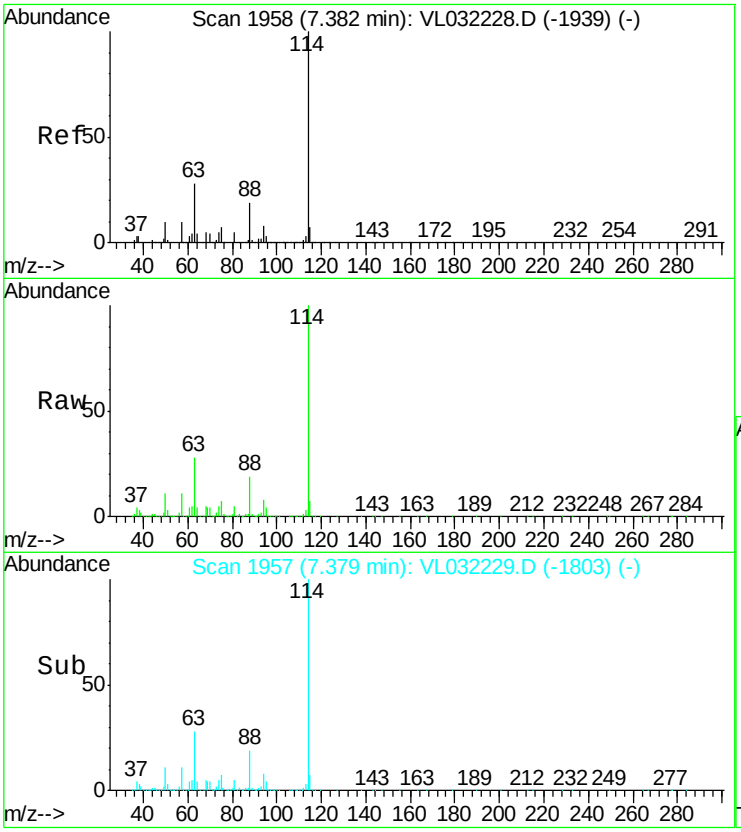


#32
1,1,1-Trichloroethane
Concen: 2.129 ppbv
RT: 6.70 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 97 Resp: 694050

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.2	76.8
61	52.9	41.3	61.9



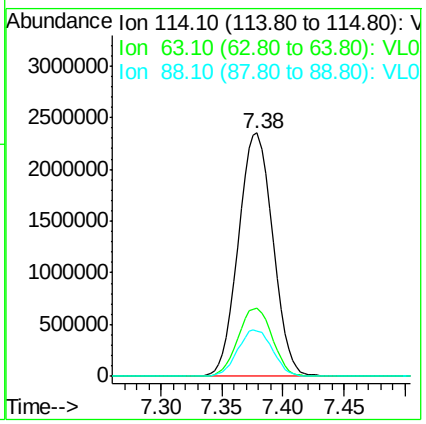


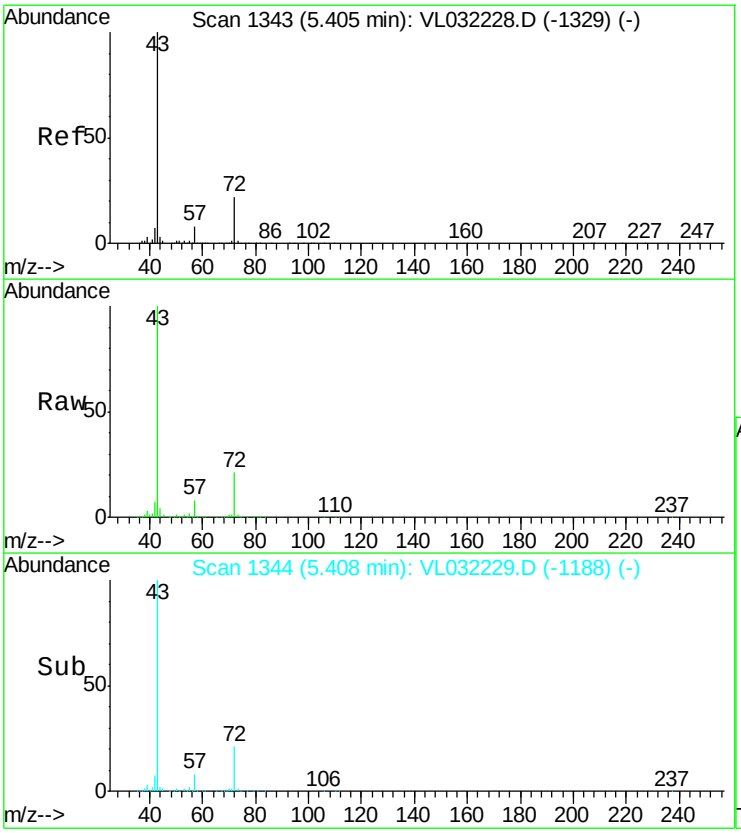
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.38 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 4594976

Ion	Ratio	Lower	Upper
114	100		
63	28.1	22.5	33.7
88	19.2	15.4	23.0

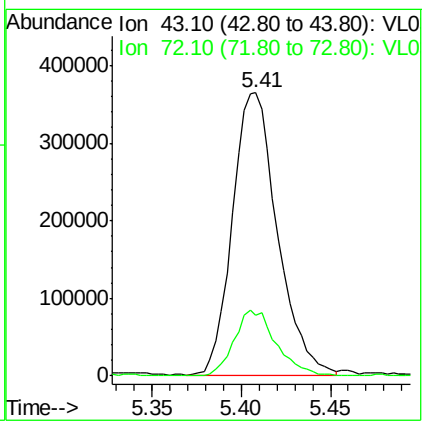


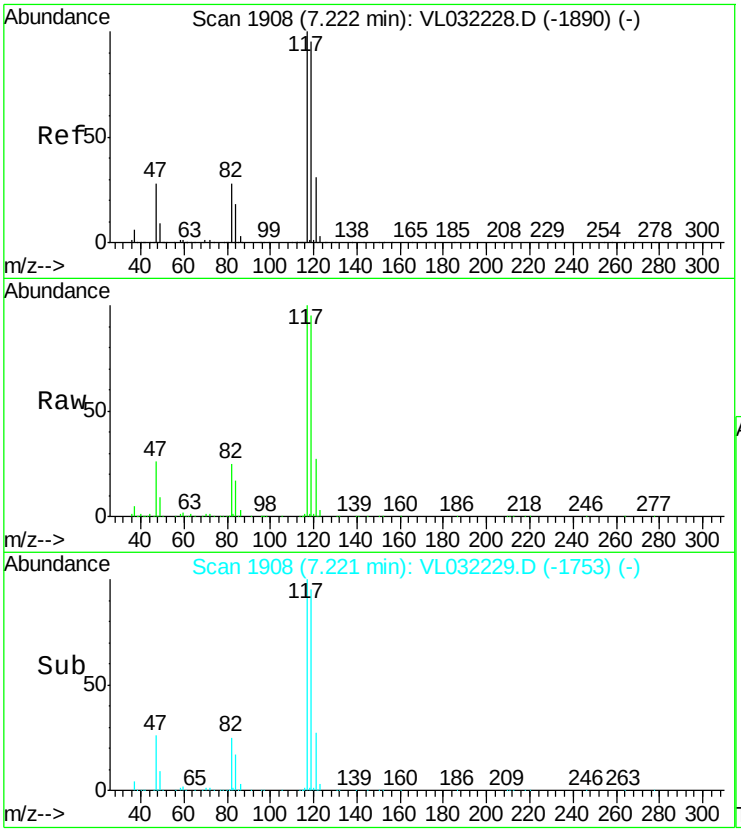


#34
2-Butanone
Concen: 2.190 ppbv
RT: 5.41 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 43 Resp: 637781

Ion	Ratio	Lower	Upper
43	100		
72	22.2	18.1	27.1



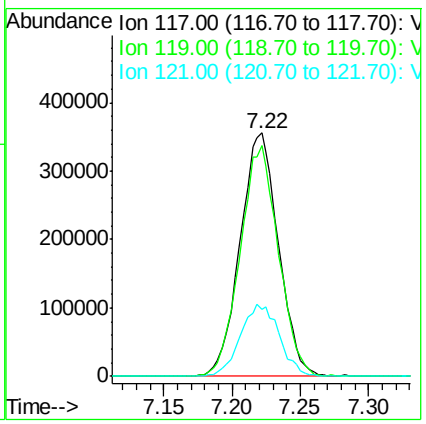


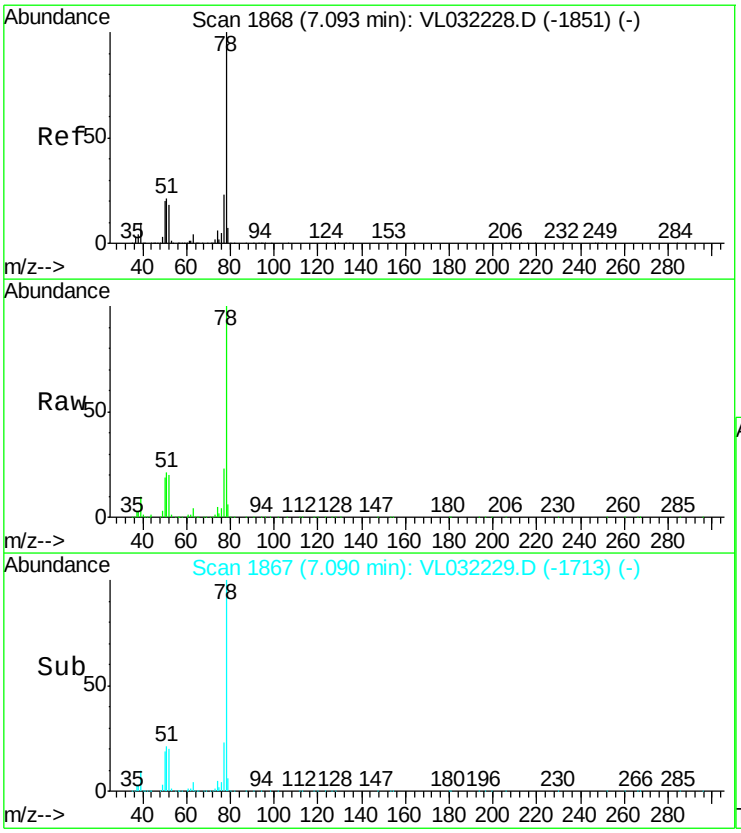
#35
Carbon Tetrachloride
Concen: 2.180 ppbv
RT: 7.22 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 693161

Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.7	113.5
121	27.3	24.6	37.0

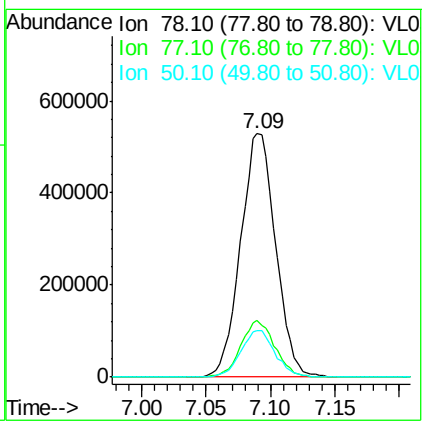


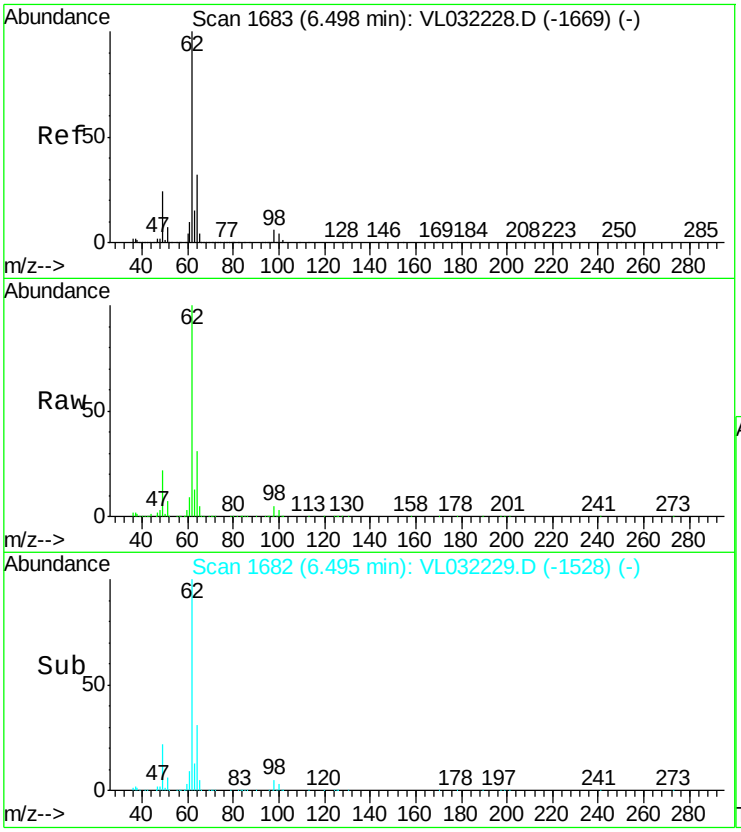


#36
Benzene
Concen: 2.214 ppbv
RT: 7.09 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 78 Resp: 1000724

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.0	27.0
50	19.2	15.8	23.8



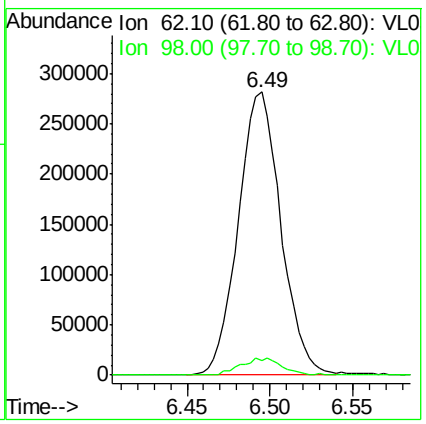


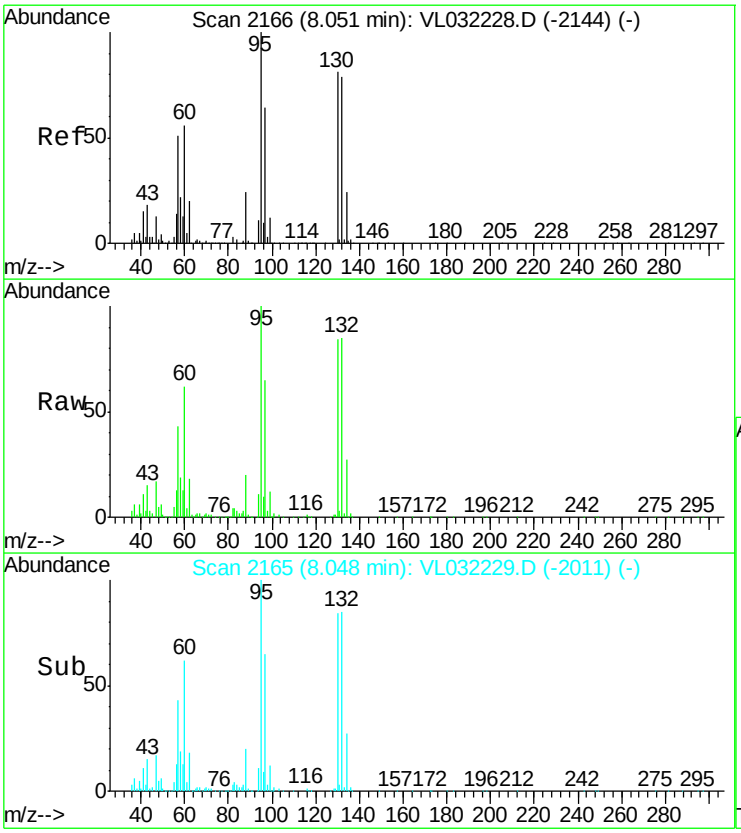
#37
1,2-Dichloroethane
Concen: 2.224 ppbv
RT: 6.49 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 503259

Ion	Ratio	Lower	Upper
62	100		
98	6.1	4.6	7.0

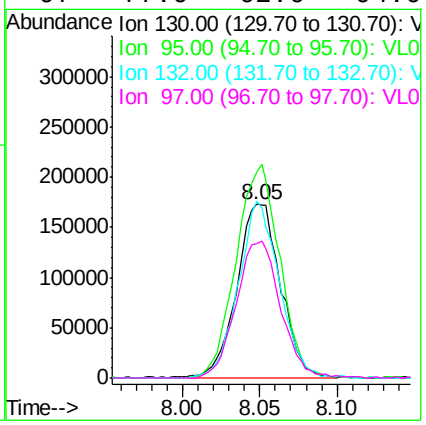


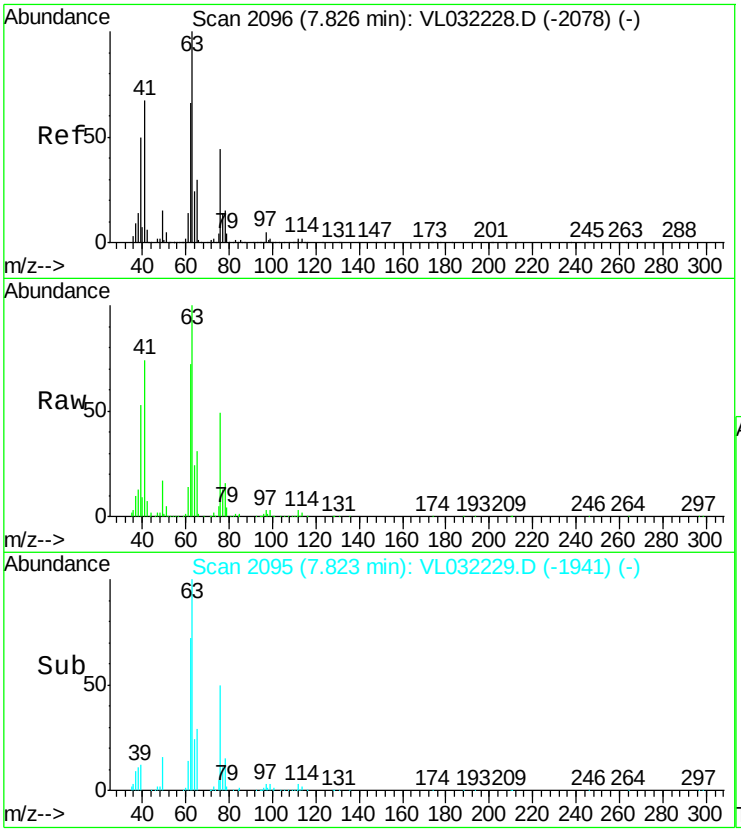


#38
Trichloroethene
Concen: 1.976 ppbv
RT: 8.05 min Scan# 2165
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion:130 Resp: 337782

Ion	Ratio	Lower	Upper
130	100		
95	118.7	98.3	147.5
132	101.5	78.1	117.1
97	77.0	62.6	94.0



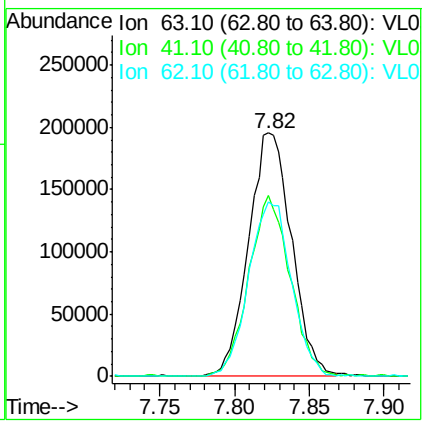


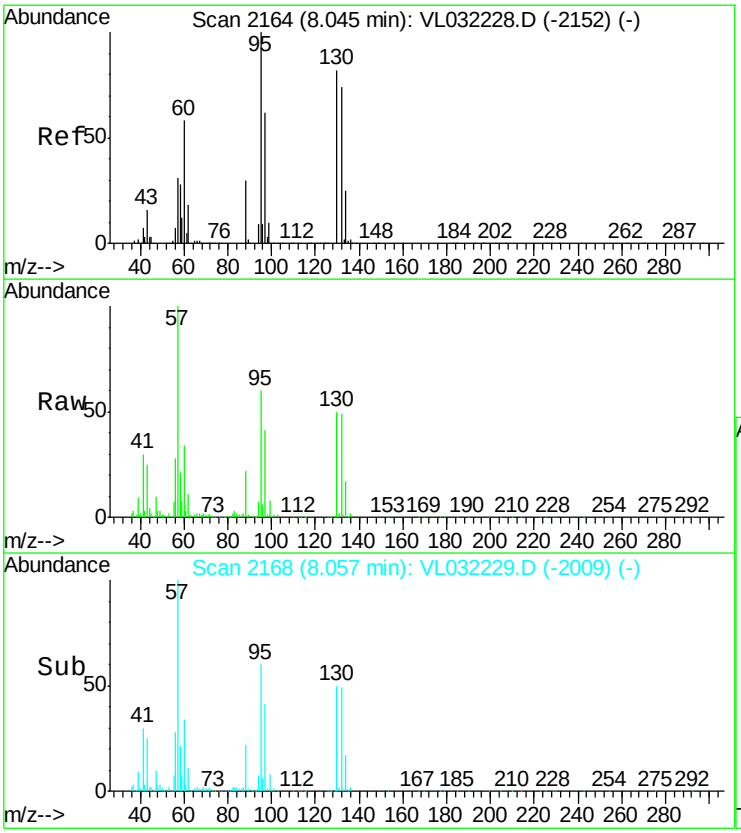
#39
1,2-Dichloropropane
Concen: 2.202 ppbv
RT: 7.82 min Scan# 2095
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 63 Resp: 388742

Ion	Ratio	Lower	Upper
63	100		
41	74.2	53.8	80.6
62	71.8	53.1	79.7

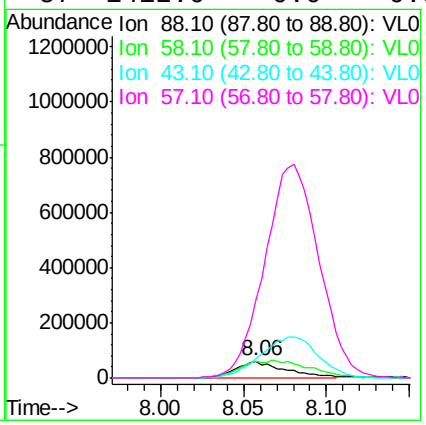


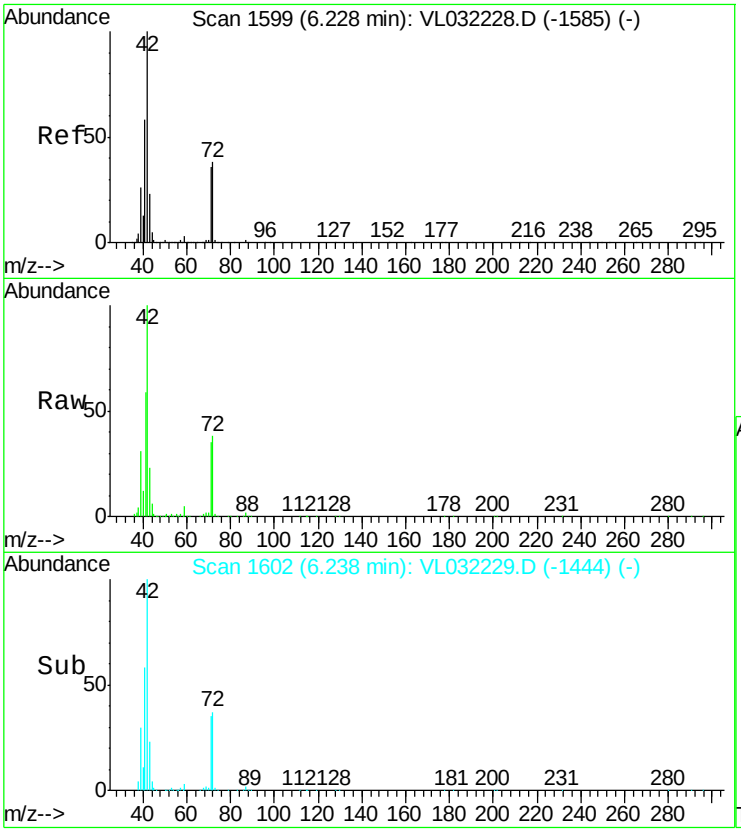


#40
1,4-Dioxane
Concen: 1.899 ppbv
RT: 8.06 min Scan# 2168
Delta R.T. 0.01 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 88 Resp: 125539

Ion	Ratio	Lower	Upper
88	100		
58	153.6	117.4	176.2
43	293.8	0.0	0.0#
57	1412.0	0.0	0.0#



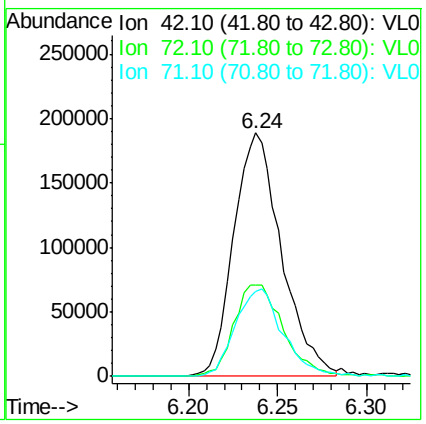


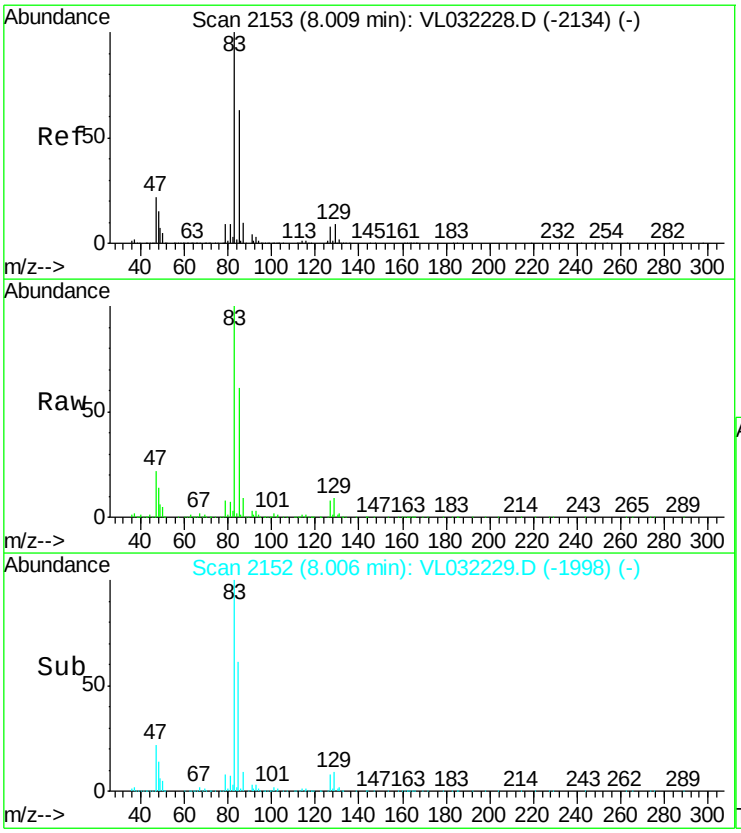
#41
Tetrahydrofuran
Concen: 2.007 ppbv
RT: 6.24 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 42 Resp: 352872

Ion	Ratio	Lower	Upper
42	100		
72	39.2	30.6	45.8
71	36.3	29.7	44.5

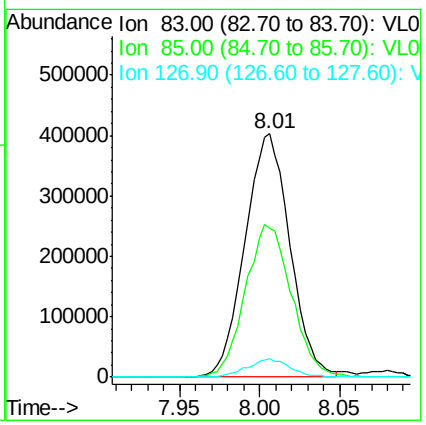


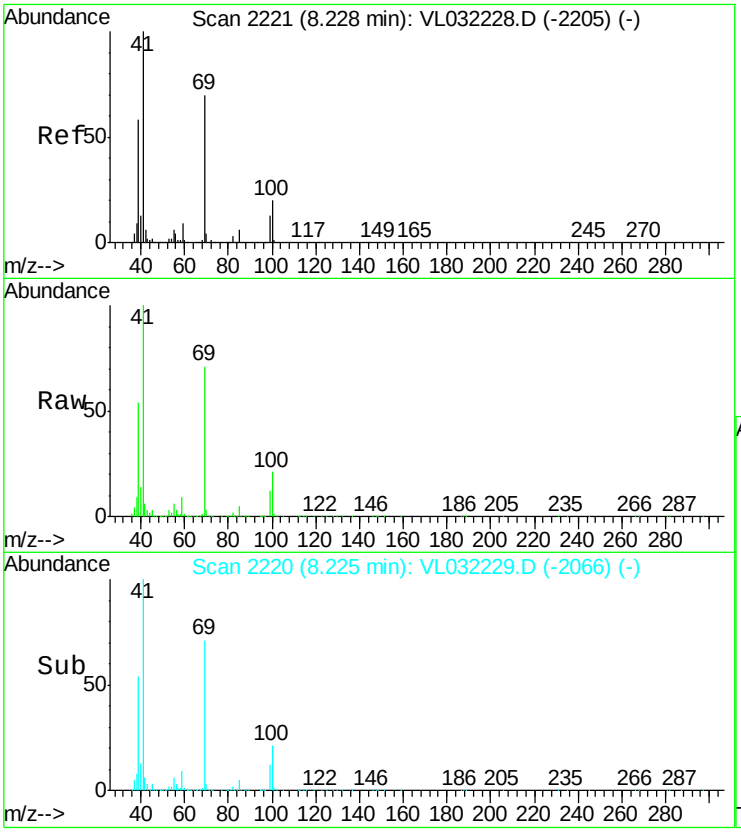


#42
Bromodichloromethane
Concen: 2.252 ppbv
RT: 8.01 min Scan# 2152
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 83 Resp: 775986

Ion	Ratio	Lower	Upper
83	100		
85	61.0	50.6	76.0
127	7.6	6.1	9.1



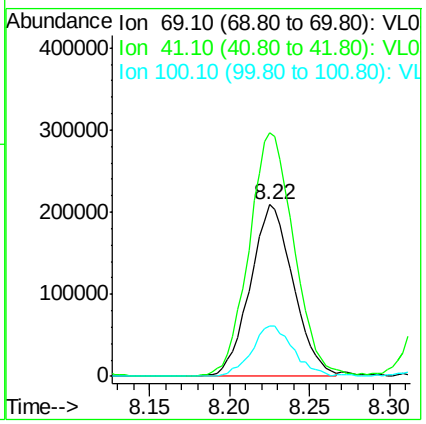


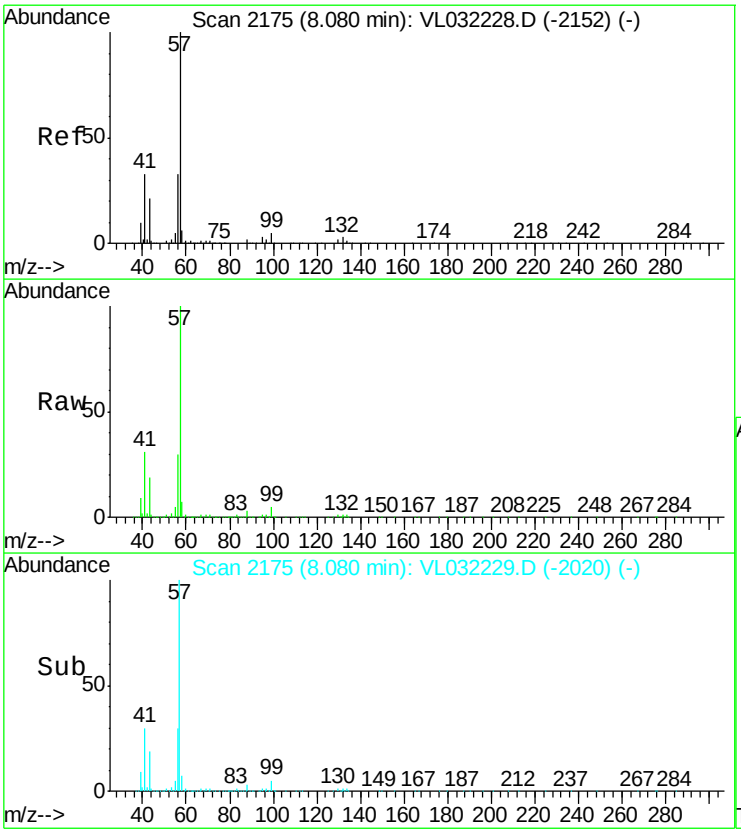
#43
Methyl Methacrylate
Concen: 2.116 ppbv
RT: 8.22 min Scan# 2220
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 69 Resp: 387348

Ion	Ratio	Lower	Upper
69	100		
41	147.5	116.3	174.5
100	28.8	23.8	35.8

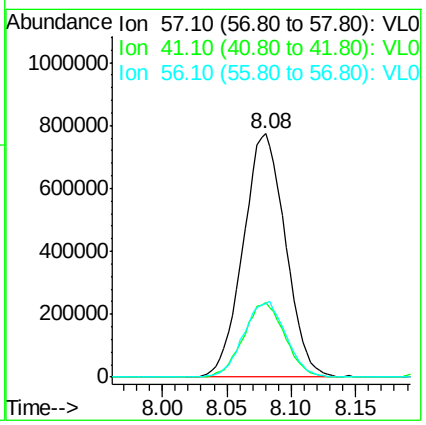


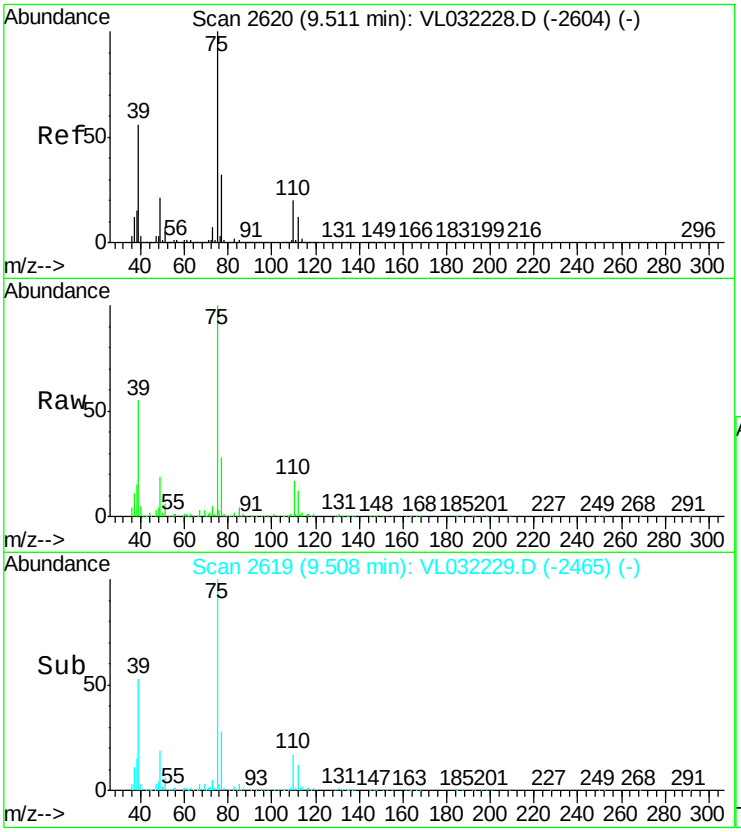


#44
2,2,4-Trimethylpentane
Concen: 2.283 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 57 Resp: 1764805

Ion	Ratio	Lower	Upper
57	100		
41	30.3	24.7	37.1
56	31.2	25.4	38.0



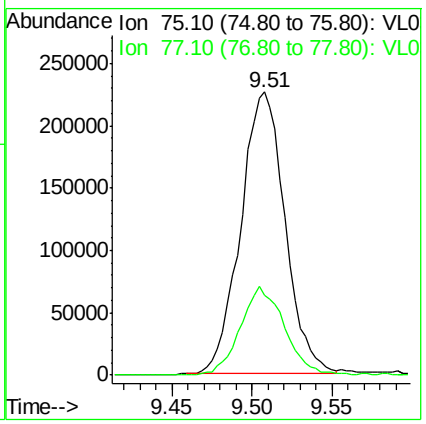


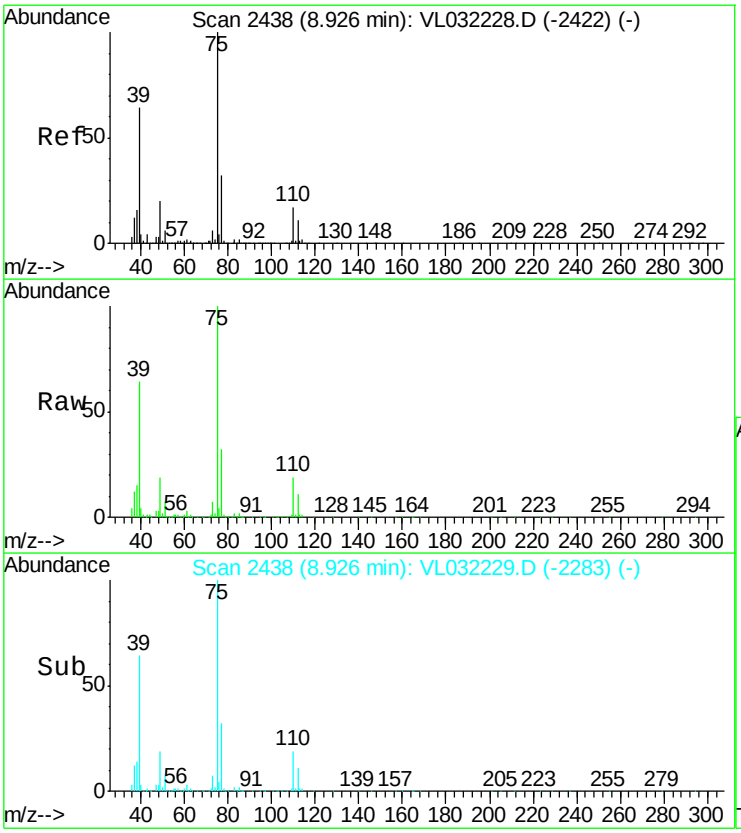
#45
t-1,3-Dichloropropene
Concen: 1.876 ppbv
RT: 9.51 min Scan# 2619
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 429340

Ion	Ratio	Lower	Upper
75	100		
77	29.6	25.5	38.3

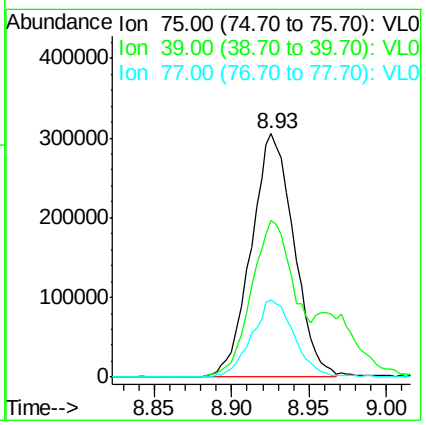


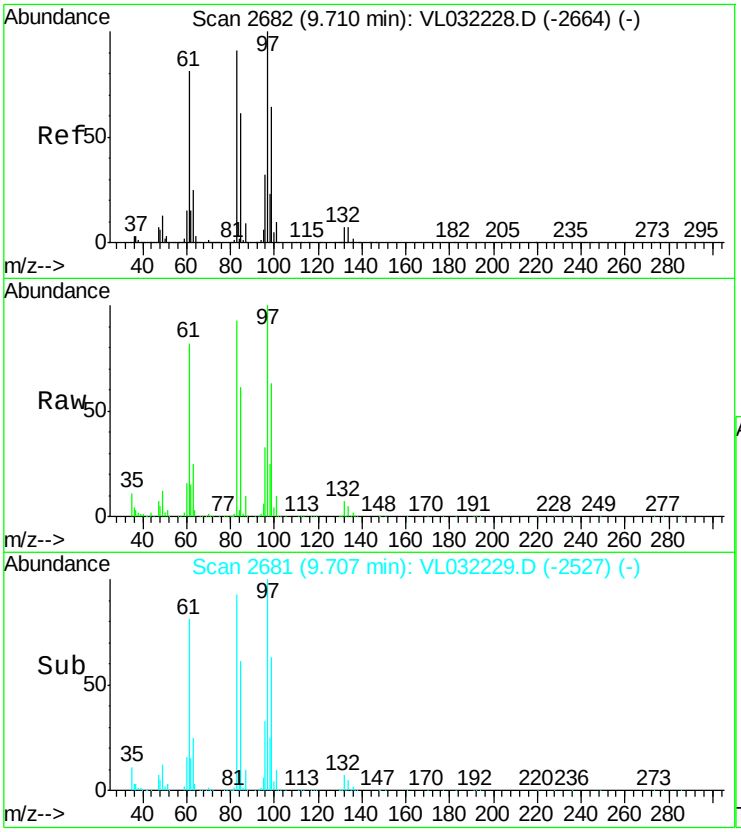


#46
cis-1,3-Dichloropropene
Concen: 2.127 ppbv
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 75 Resp: 586102

Ion	Ratio	Lower	Upper
75	100		
39	64.1	50.9	76.3
77	31.7	25.3	37.9



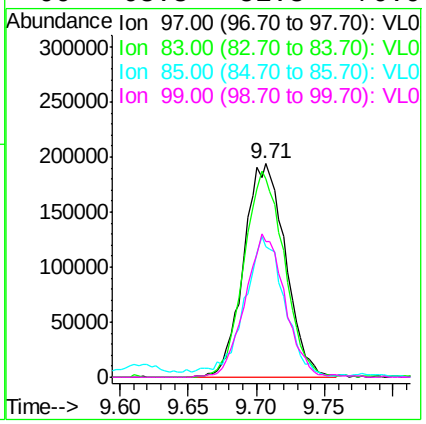


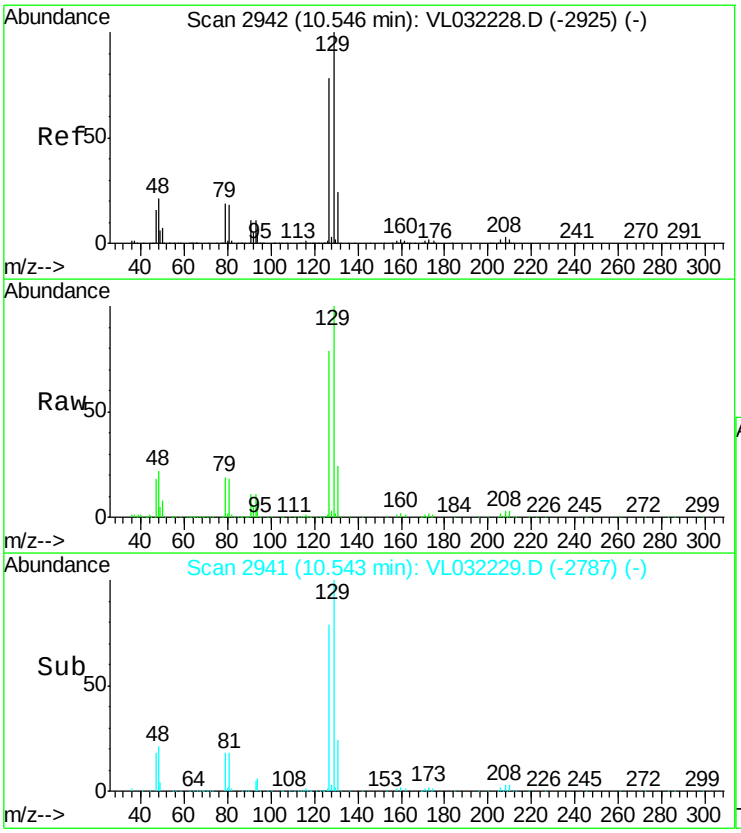
#47
1,1,2-Trichloroethane
Concen: 2.263 ppbv
RT: 9.71 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 97 Resp: 412617

Ion	Ratio	Lower	Upper
97	100		
83	92.7	72.9	109.3
85	60.2	49.3	73.9
99	63.3	51.3	76.9

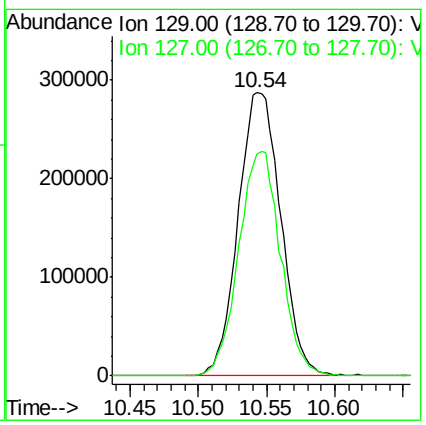


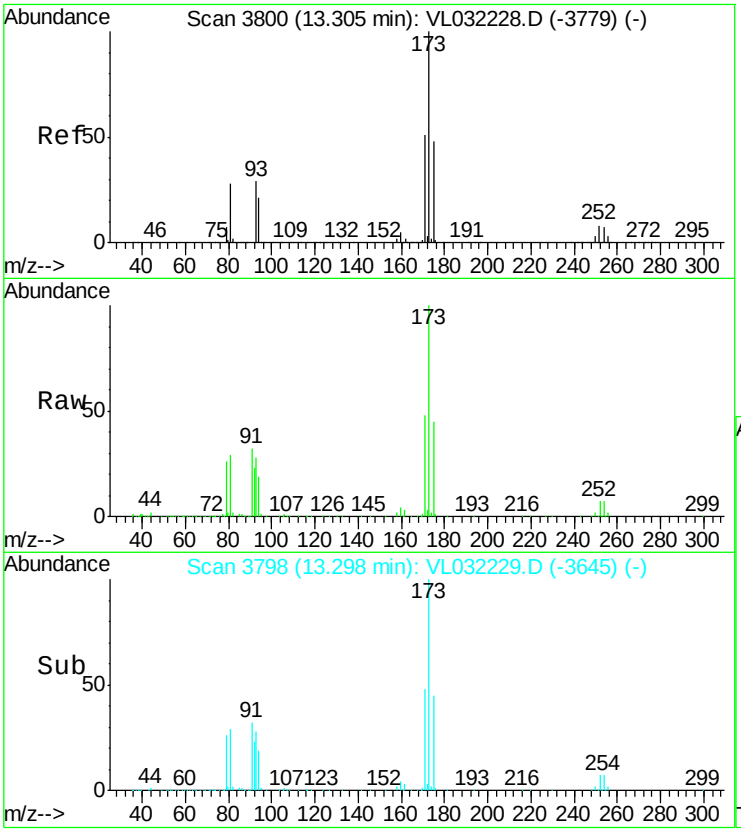


#48
Dibromochloromethane
Concen: 2.217 ppbv
RT: 10.54 min Scan# 2941
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion:129 Resp: 622480

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.3	117.9



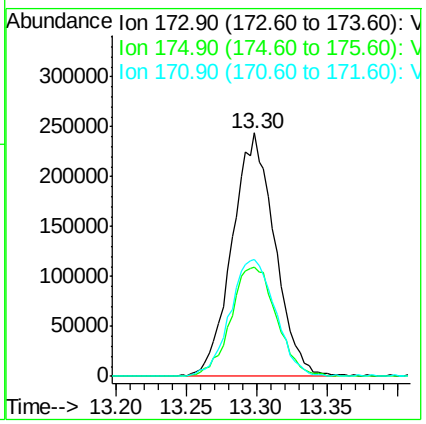


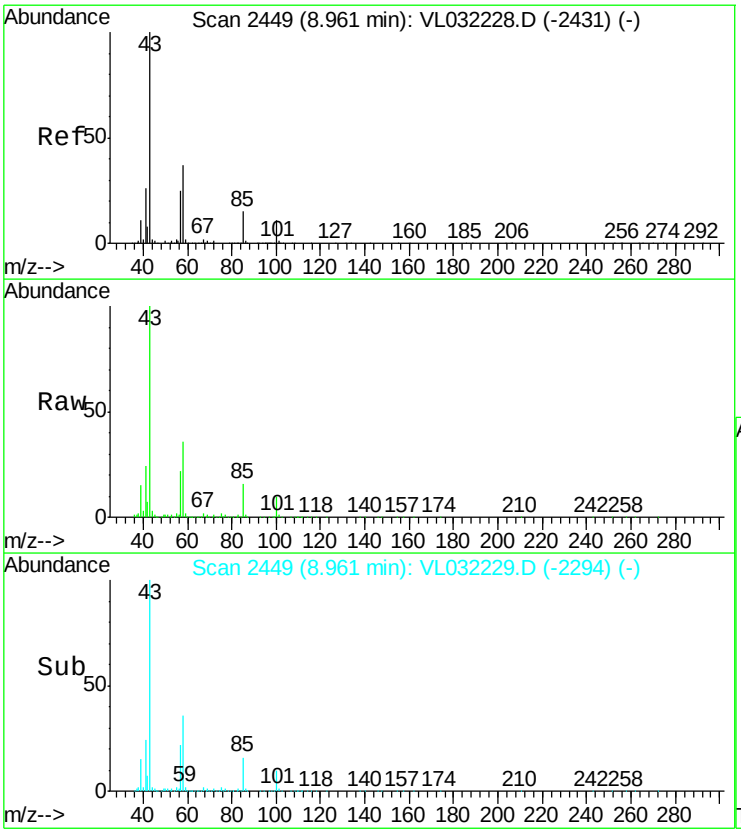
#49
Bromoform
Concen: 2.177 ppbv
RT: 13.30 min Scan# 3798
Delta R.T. -0.01 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:173 Resp: 509218

Ion	Ratio	Lower	Upper
173	100		
175	48.5	39.4	59.2
171	51.9	41.8	62.6

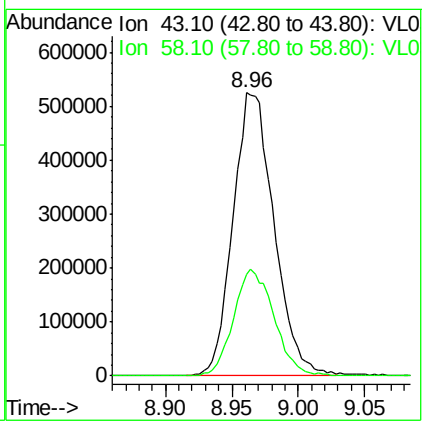


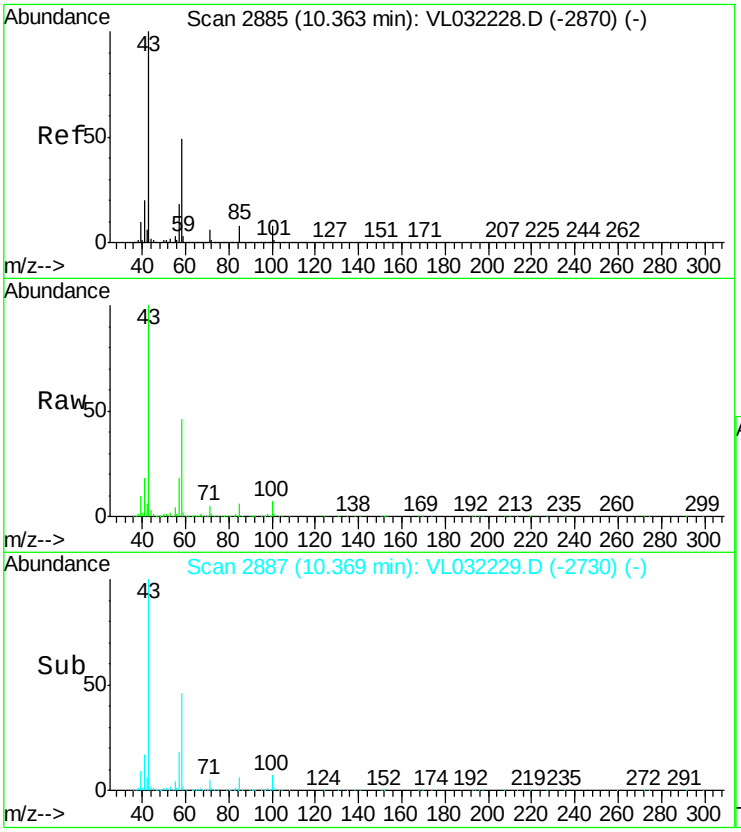


#50
4-Methyl-2-Pentanone
Concen: 2.313 ppbv
RT: 8.96 min Scan# 2449
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 43 Resp: 1122629

Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.5	44.3



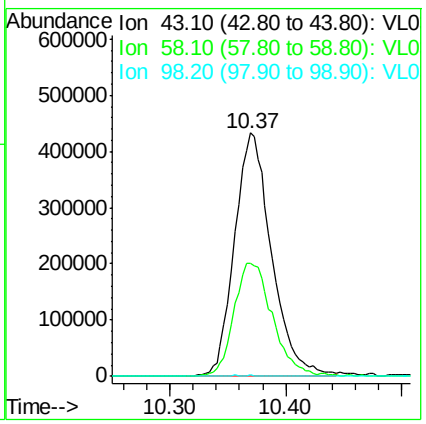


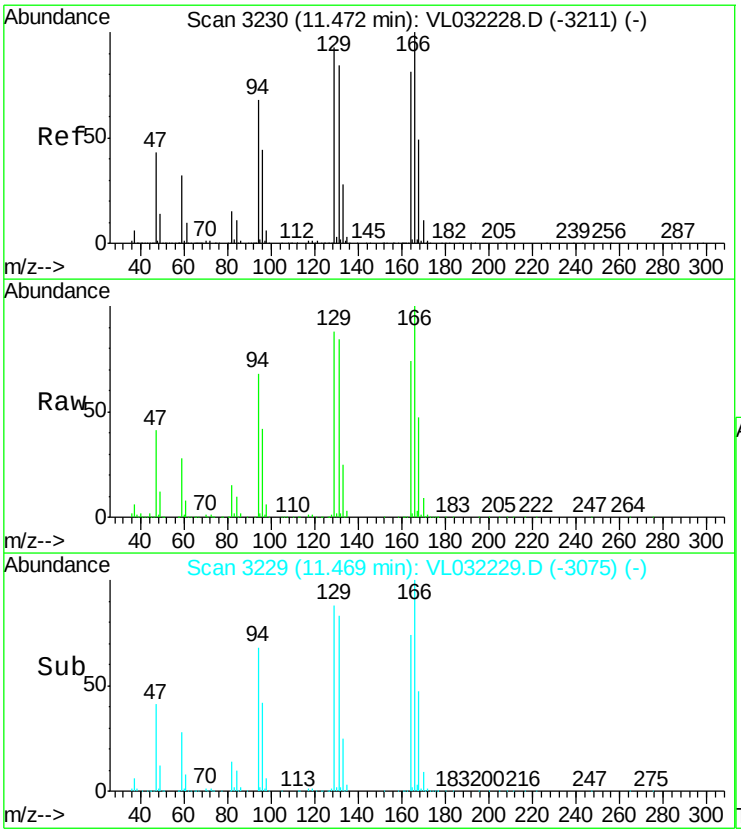
#51
2-Hexanone
Concen: 2.381 ppbv
RT: 10.37 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 957785

Ion	Ratio	Lower	Upper
43	100		
58	49.1	39.9	59.9
98	0.5	0.2	0.4#

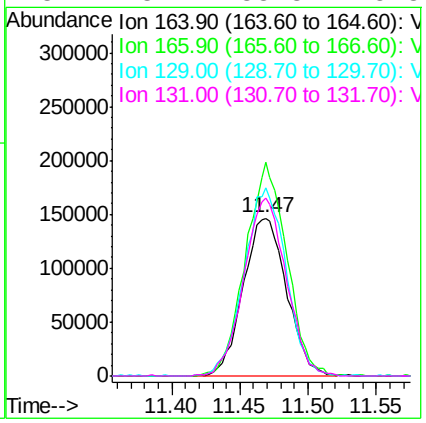


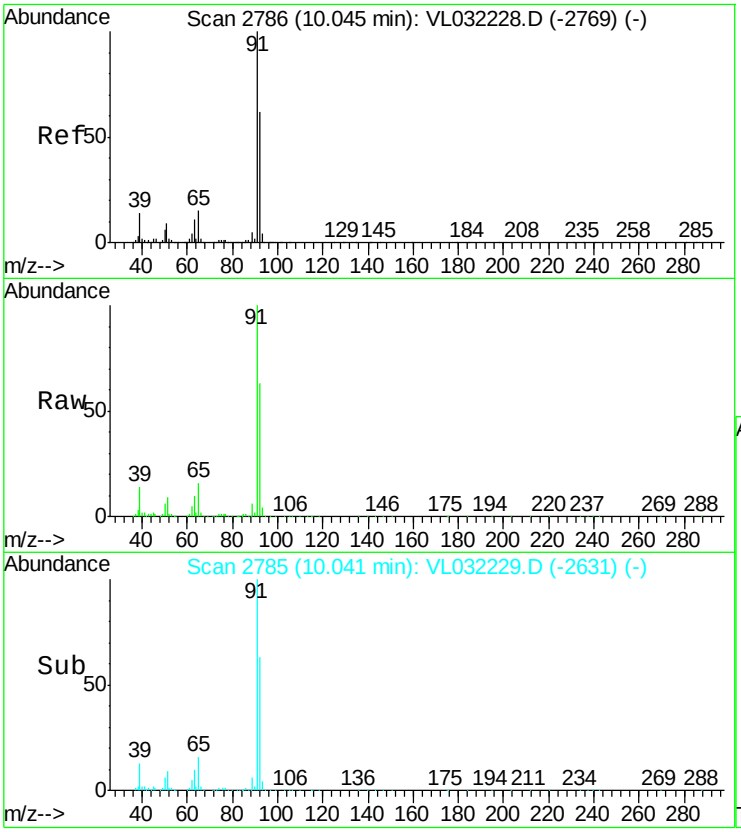


#52
Tetrachloroethene
Concen: 2.008 ppbv
RT: 11.47 min Scan# 3229
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion:164 Resp: 323045

Ion	Ratio	Lower	Upper
164	100		
166	135.5	99.3	148.9
129	119.4	92.0	138.0
131	113.2	83.8	125.8



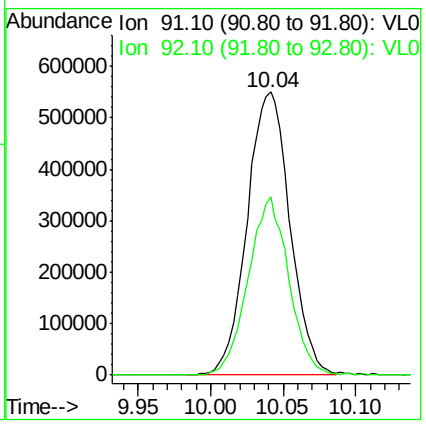


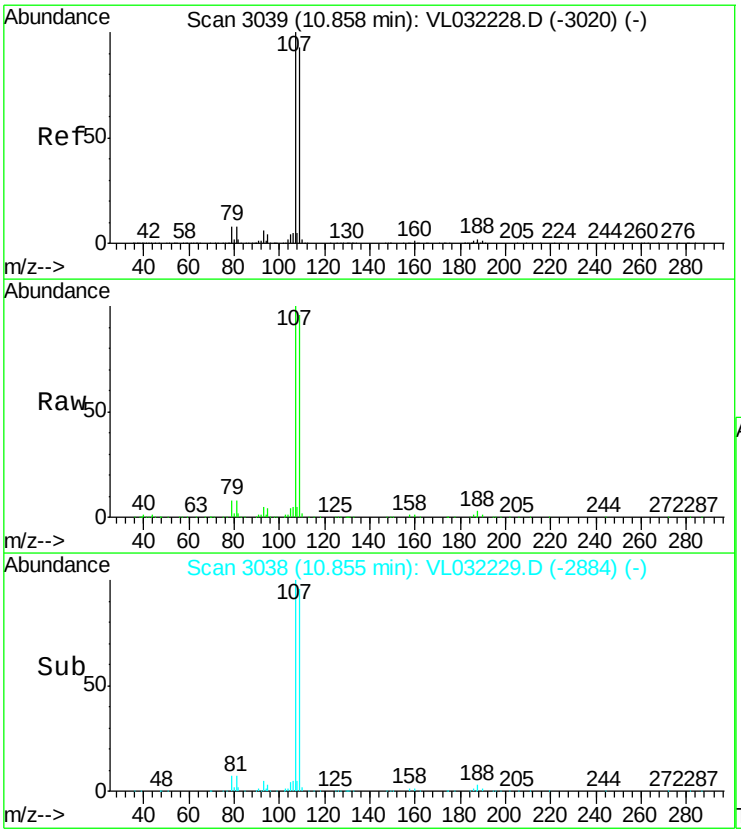
#53
Toluene
Concen: 2.119 ppbv
RT: 10.04 min Scan# 2785
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 1129452

Ion	Ratio	Lower	Upper
91	100		
92	59.9	49.0	73.4

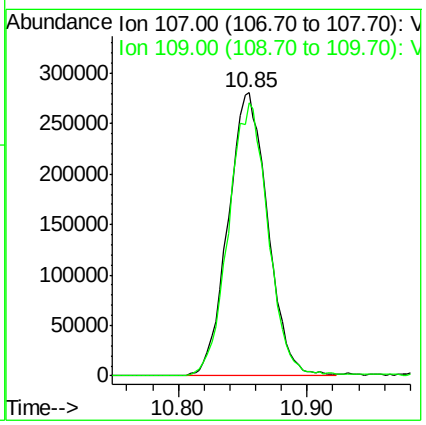


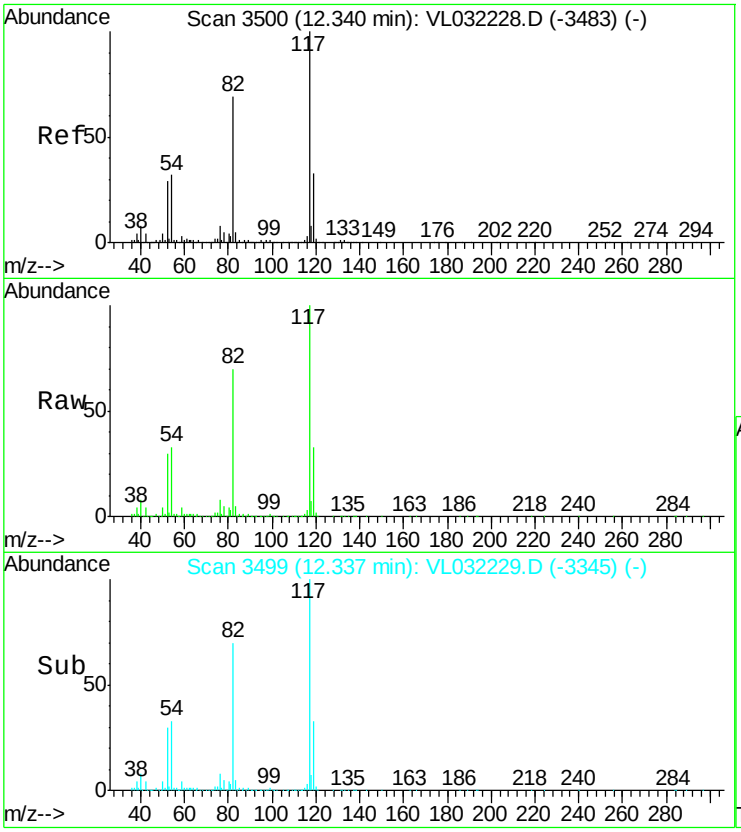


#54
1,2-Dibromoethane
Concen: 2.186 ppbv
RT: 10.85 min Scan# 3038
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion:107 Resp: 597522

Ion	Ratio	Lower	Upper
107	100		
109	96.1	74.3	111.5



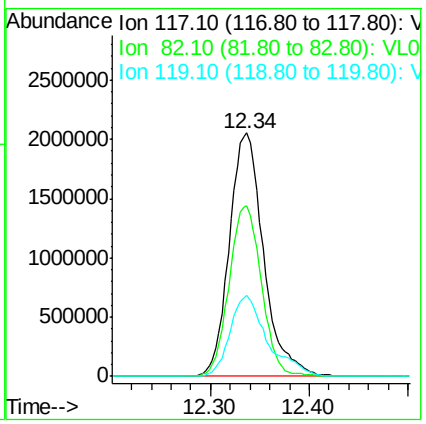


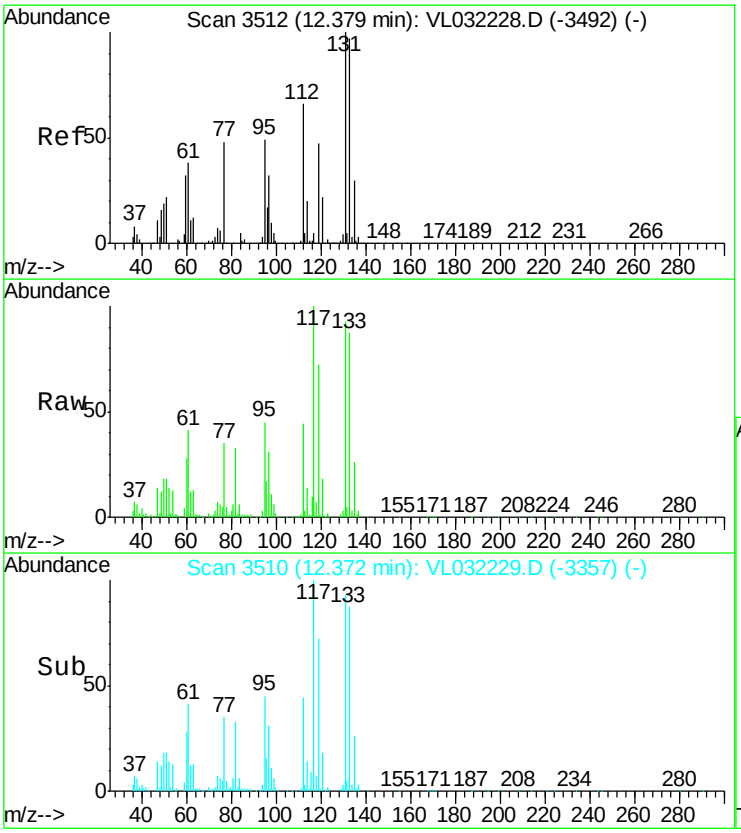
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.34 min Scan# 3499
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:117 Resp: 4961644

Ion	Ratio	Lower	Upper
117	100		
82	66.4	53.2	79.8
119	36.3	43.9	65.9#

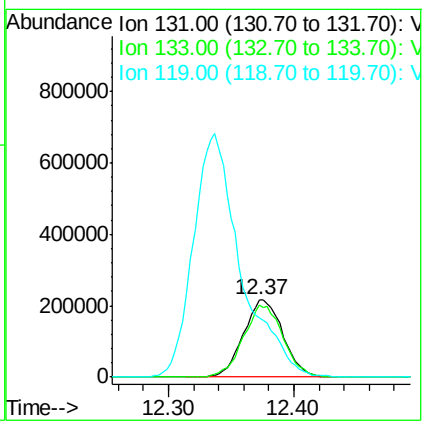


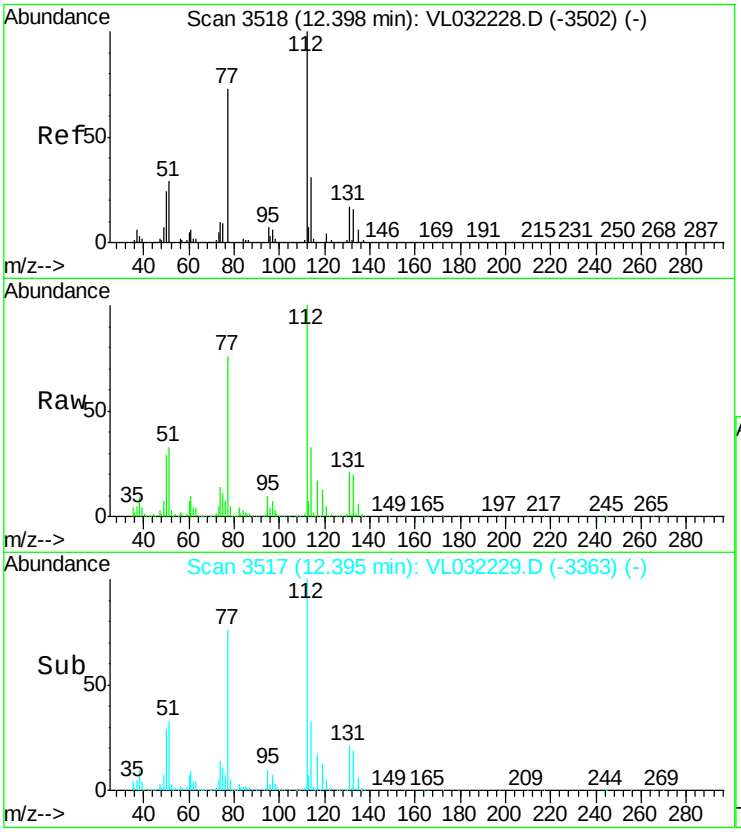


#56
1,1,1,2-Tetrachloroethane
Concen: 2.141 ppbv
RT: 12.37 min Scan# 3510
Delta R.T. -0.01 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion:131 Resp: 473206

Ion	Ratio	Lower	Upper
131	100		
133	93.9	75.2	112.8
119	380.3	113.9	170.9#



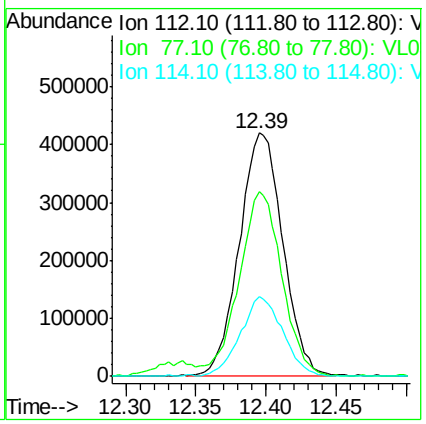


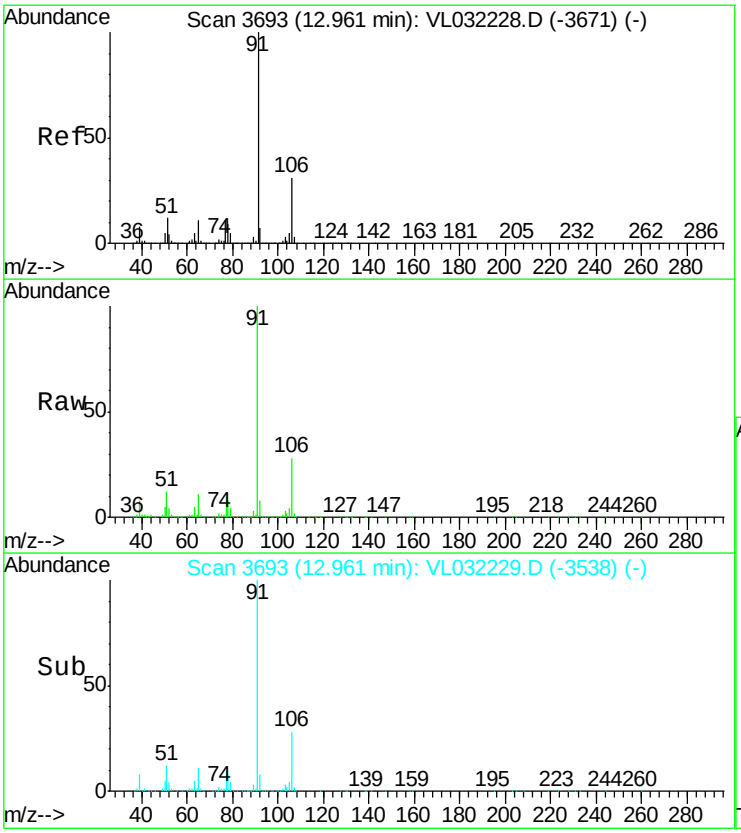
#57
Chlorobenzene
Concen: 2.113 ppbv
RT: 12.39 min Scan# 3517
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:112 Resp: 903742

Ion	Ratio	Lower	Upper
112	100		
77	75.1	58.8	88.2
114	32.8	27.9	34.1

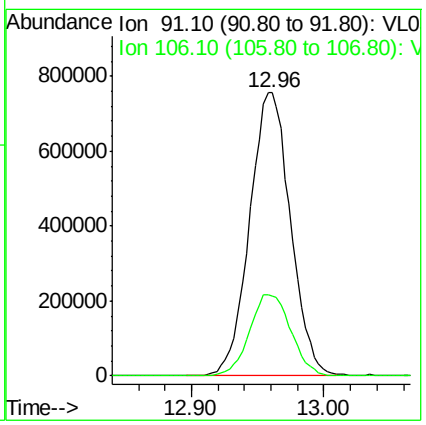


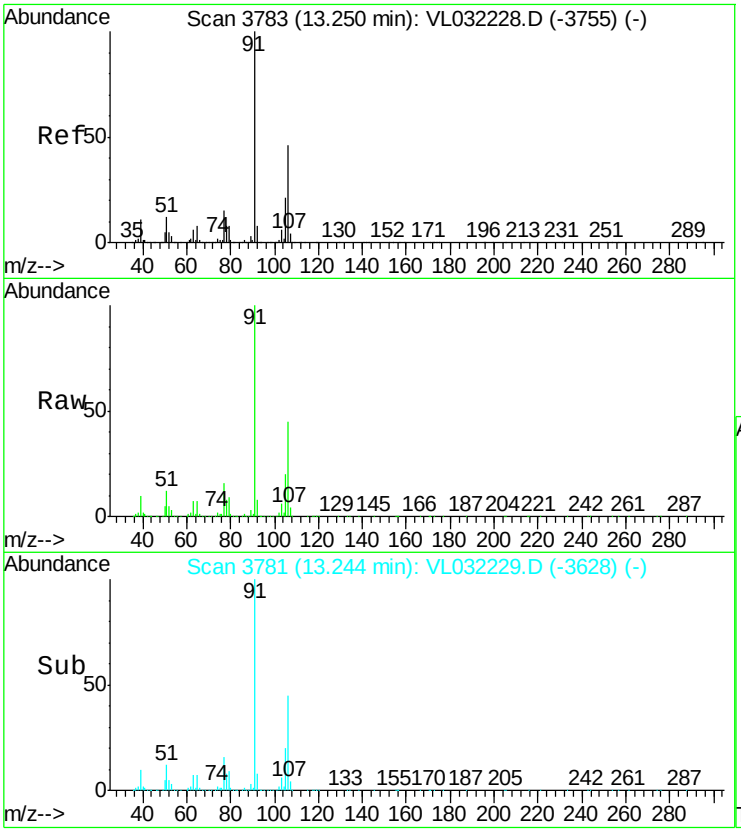


#58
Ethyl Benzene
Concen: 2.033 ppbv
RT: 12.96 min Scan# 3693
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 91 Resp: 1621365

Ion	Ratio	Lower	Upper
91	100		
106	28.0	24.5	36.7



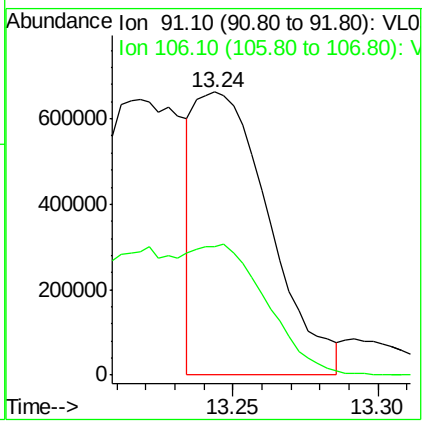


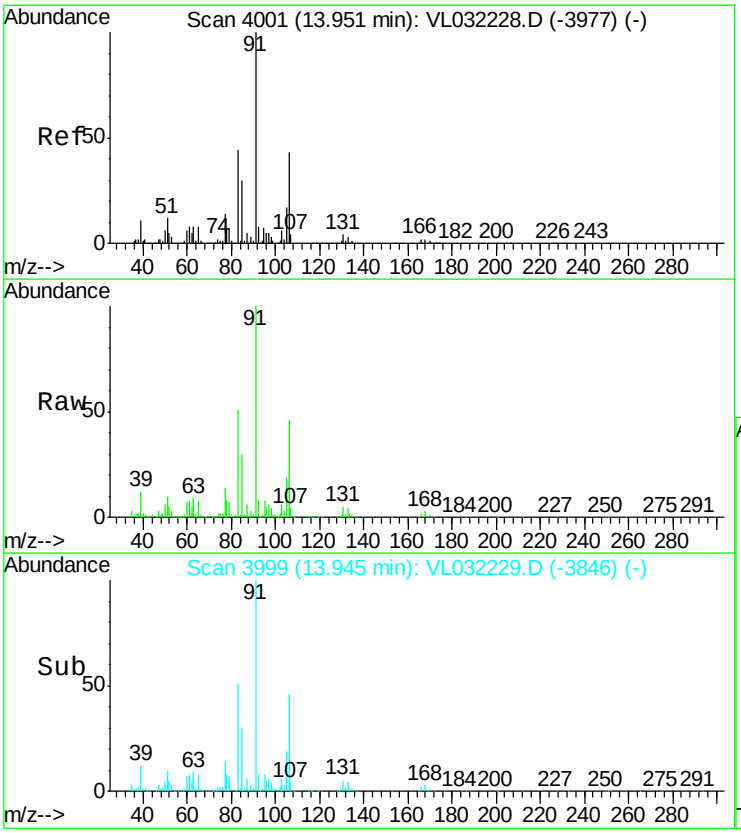
#59
m/p-Xylene
Concen: 1.832 ppbv
RT: 13.24 min Scan# 3781
Delta R.T. -0.01 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 1172886

Ion	Ratio	Lower	Upper
91	100		
106	101.0	36.4	54.6#

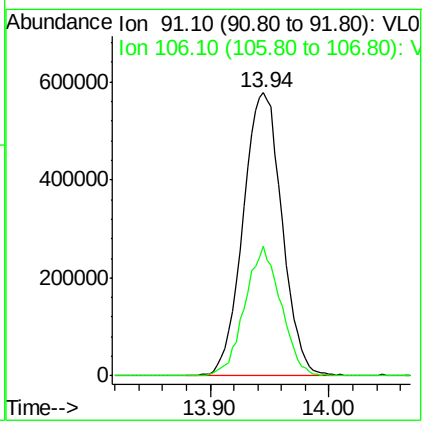


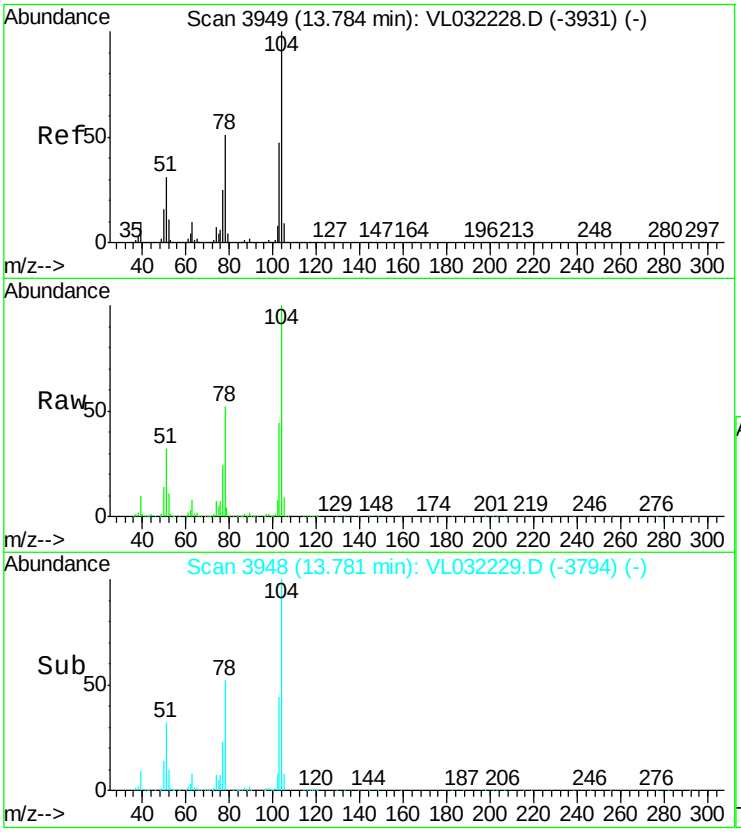


#60
o-Xylene
Concen: 2.050 ppbv
RT: 13.94 min Scan# 3999
Delta R.T. -0.01 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 91 Resp: 1305664

Ion	Ratio	Lower	Upper
91	100		
106	42.6	21.9	65.5



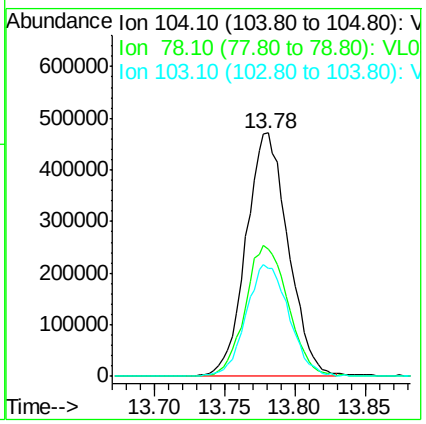


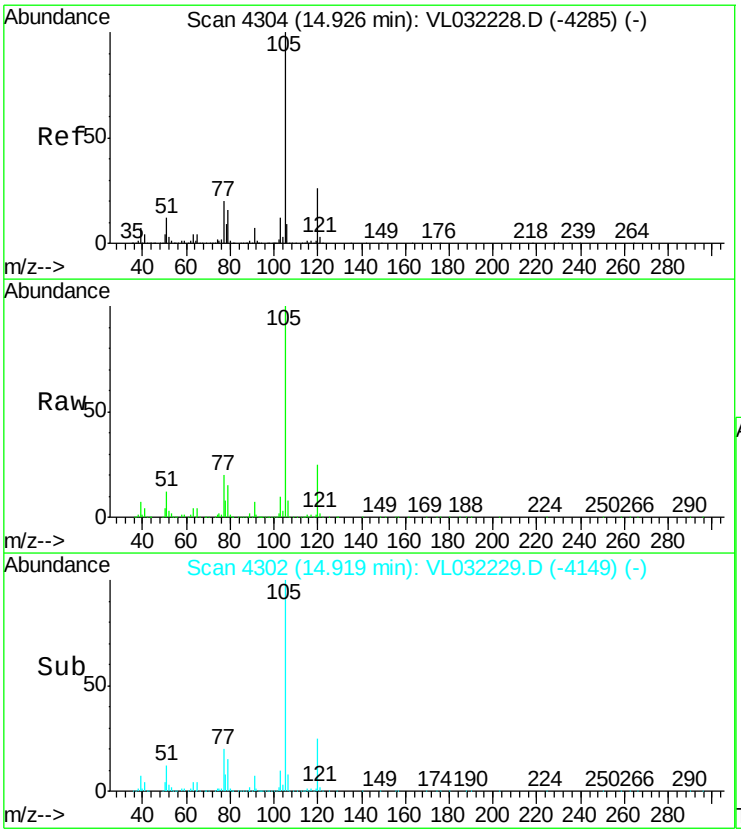
#61
Styrene
Concen: 1.907 ppbv
RT: 13.78 min Scan# 3948
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:104 Resp: 983698

Ion	Ratio	Lower	Upper
104	100		
78	55.2	43.4	65.0
103	46.5	38.0	57.0

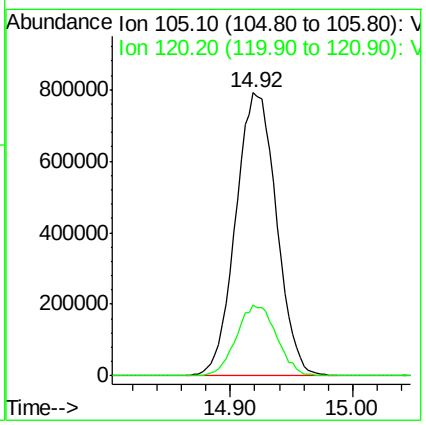


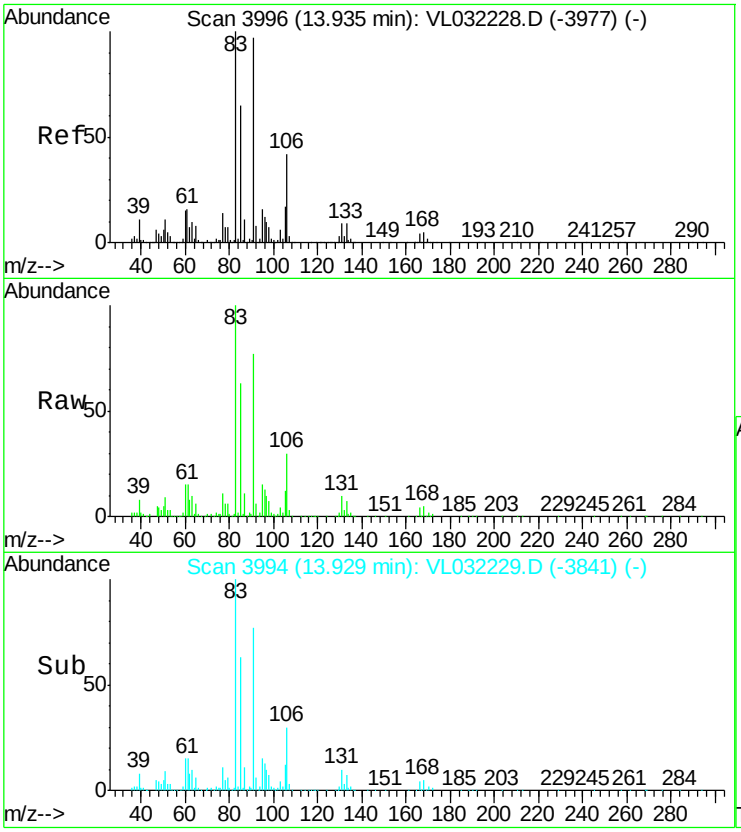


#62
Isopropylbenzene
Concen: 1.877 ppbv
RT: 14.92 min Scan# 4302
Delta R.T. -0.01 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion:105 Resp: 1823789

Ion	Ratio	Lower	Upper
105	100		
120	24.7	20.2	30.2



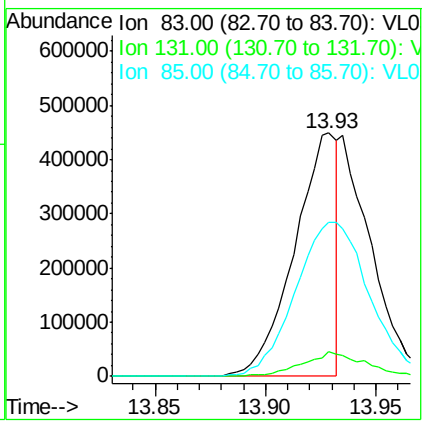


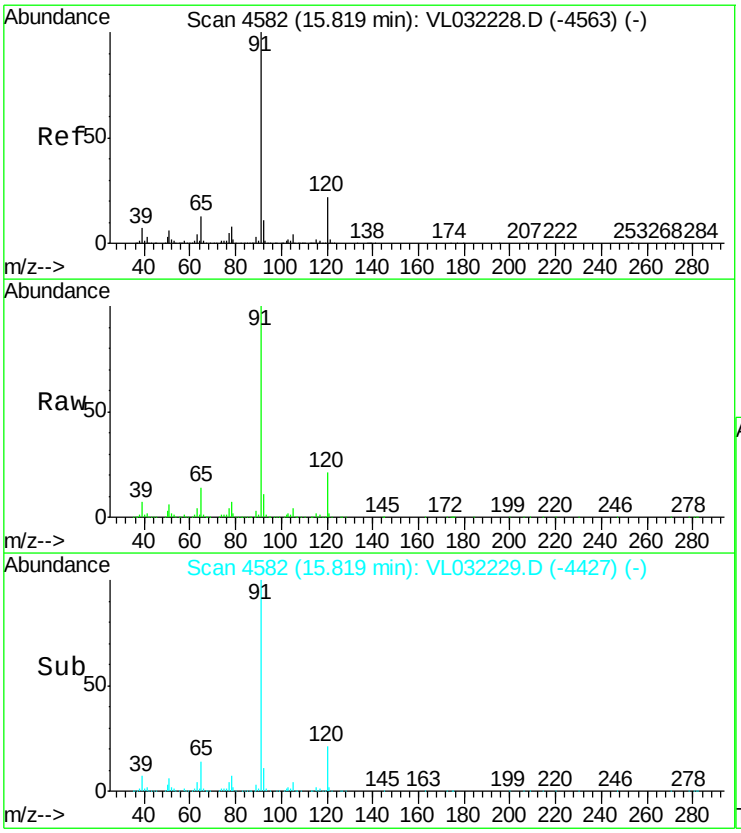
#63
1,1,2,2-Tetrachloroethane
Concen: 1.214 ppbv
RT: 13.93 min Scan# 3994
Delta R.T. -0.01 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 602888

Ion	Ratio	Lower	Upper
83	100		
131	14.8	4.3	12.8#
85	110.0	32.5	97.5#

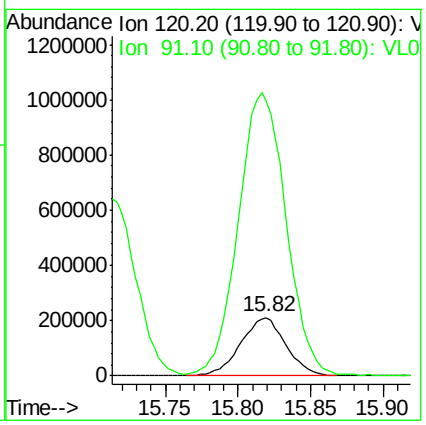


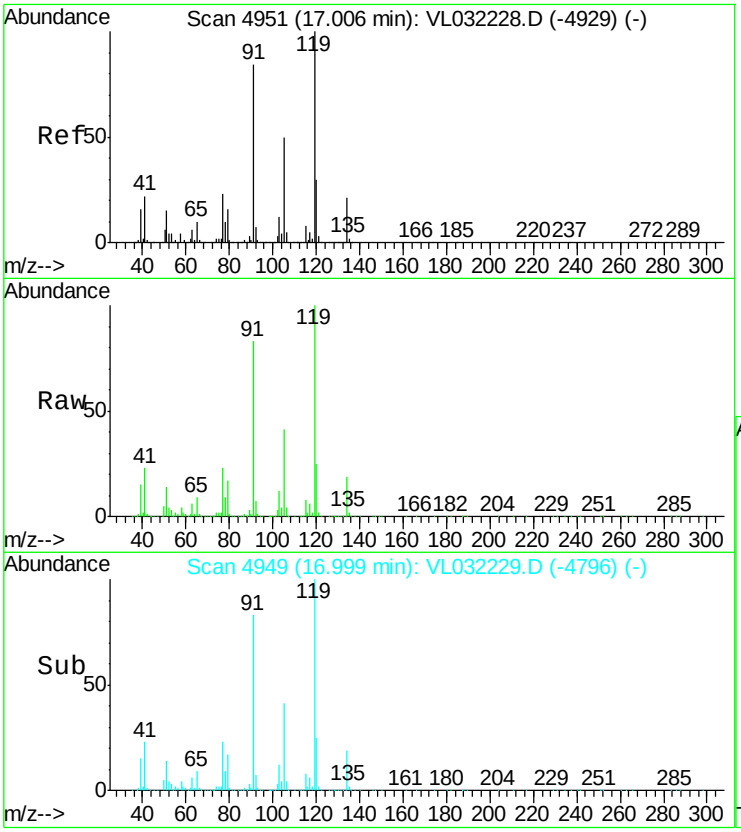


#64
n-propylbenzene
Concen: 1.813 ppbv
RT: 15.82 min Scan# 4582
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion:120 Resp: 456754

Ion	Ratio	Lower	Upper
120	100		
91	514.8	385.0	577.4



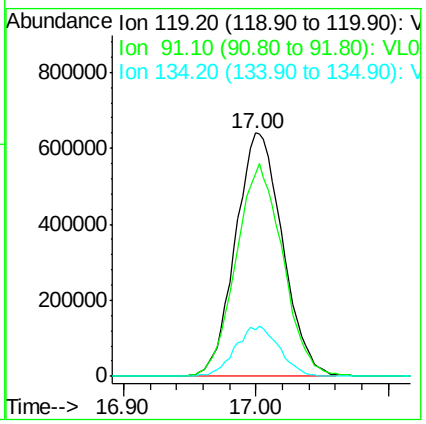


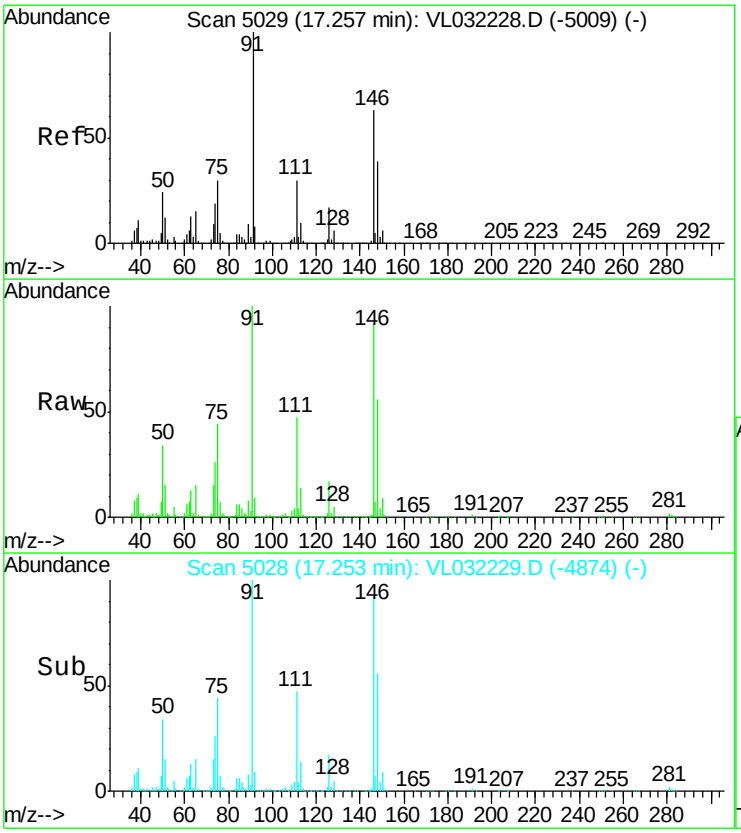
#65
tert-Butylbenzene
Concen: 1.855 ppbv
RT: 17.00 min Scan# 4949
Delta R.T. -0.01 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 1581149

Ion	Ratio	Lower	Upper
119	100		
91	87.2	68.6	102.8
134	19.3	15.4	23.2

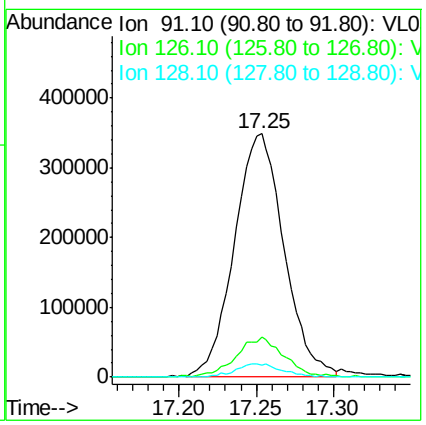


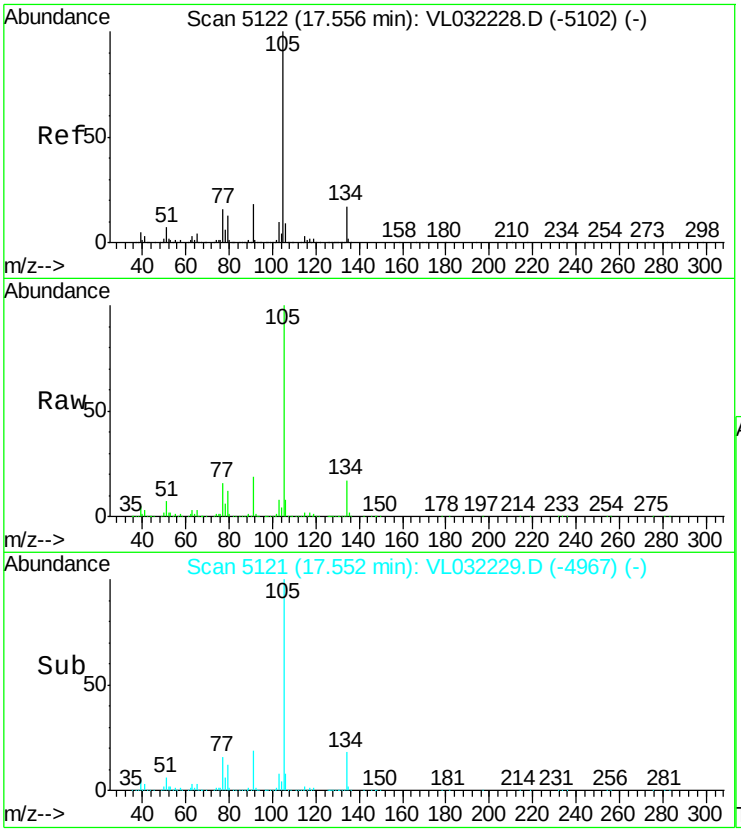


#66
Benzyl Chloride
Concen: 1.510 ppbv
RT: 17.25 min Scan# 5028
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 91 Resp: 779968

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



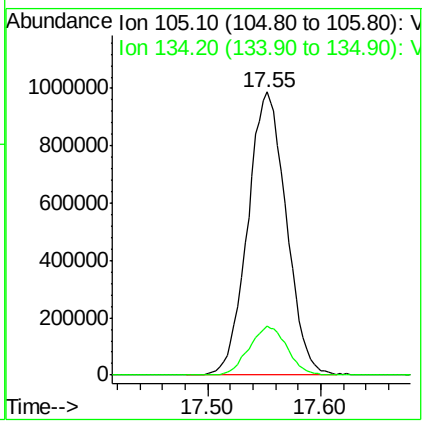


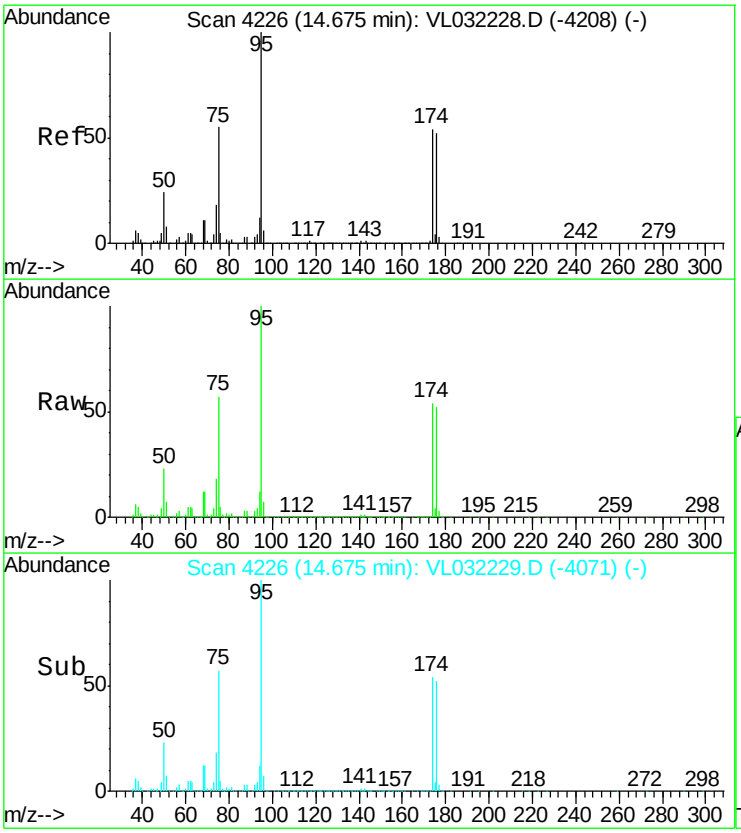
#67
sec-Butylbenzene
Concen: 1.862 ppbv
RT: 17.55 min Scan# 5121
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:105 Resp: 2330702

Ion	Ratio	Lower	Upper
105	100		
134	17.1	14.2	21.2

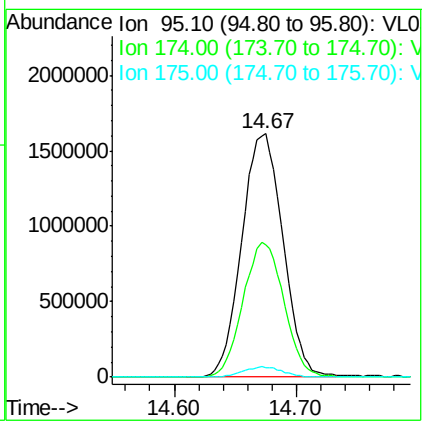


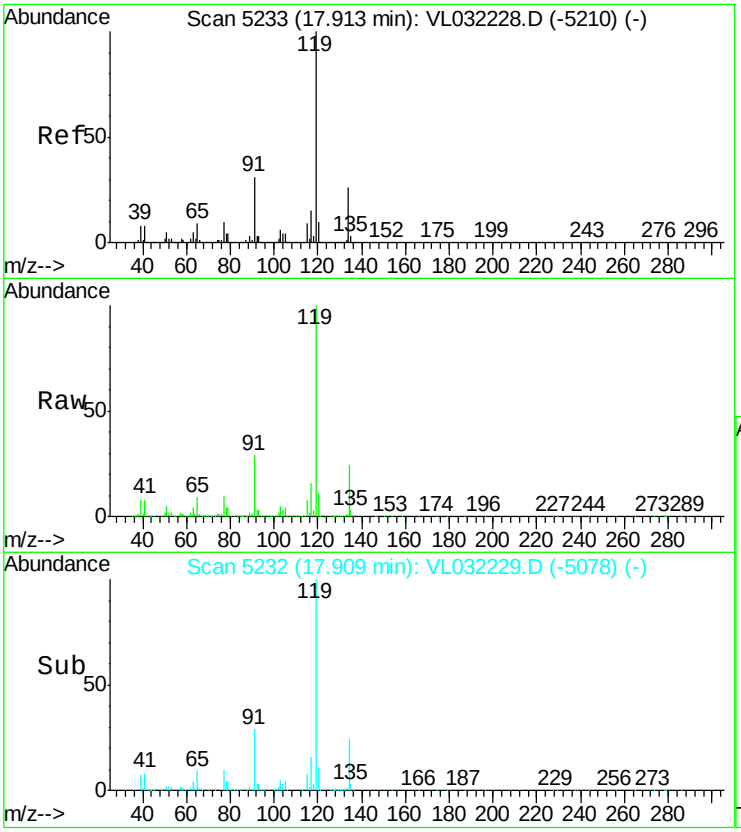


#68
1-Bromo-4-Fluorobenzene
Concen: 9.890 ppbv
RT: 14.67 min Scan# 4226
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 95 Resp: 3767236

Ion	Ratio	Lower	Upper
95	100		
174	55.1	44.6	67.0
175	4.1	3.3	4.9



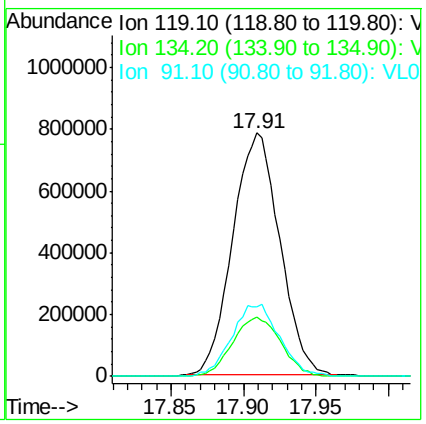


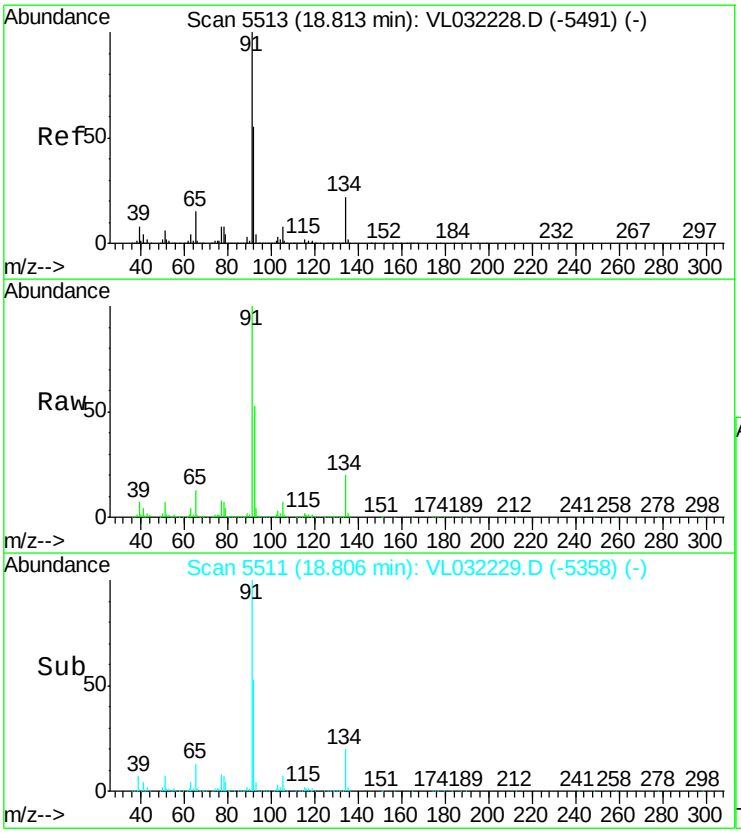
#69
p-Isopropyltoluene
Concen: 1.770 ppbv
RT: 17.91 min Scan# 5232
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 1768057

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.1	30.1
91	30.6	24.2	36.2

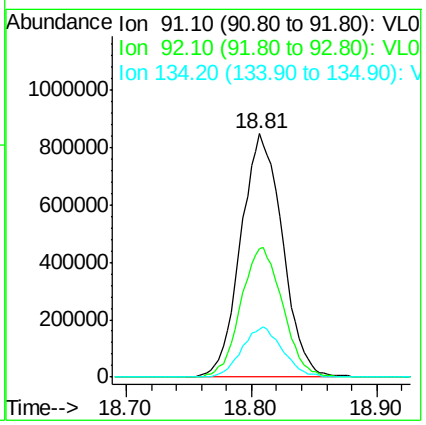


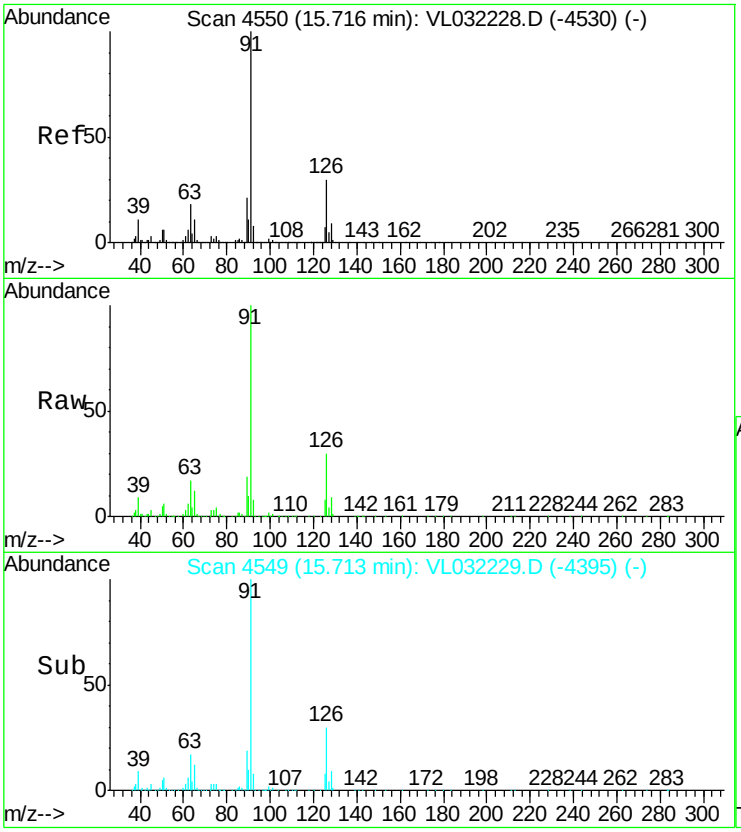


#70
n-Butylbenzene
Concen: 1.852 ppbv
RT: 18.81 min Scan# 5511
Delta R.T. -0.01 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion: 91 Resp: 1951720

Ion	Ratio	Lower	Upper
91	100		
92	53.7	43.6	65.4
134	20.3	17.1	25.7



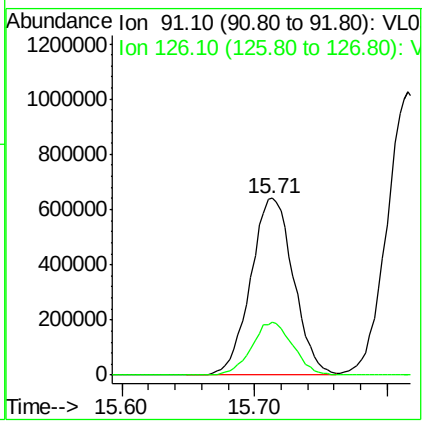


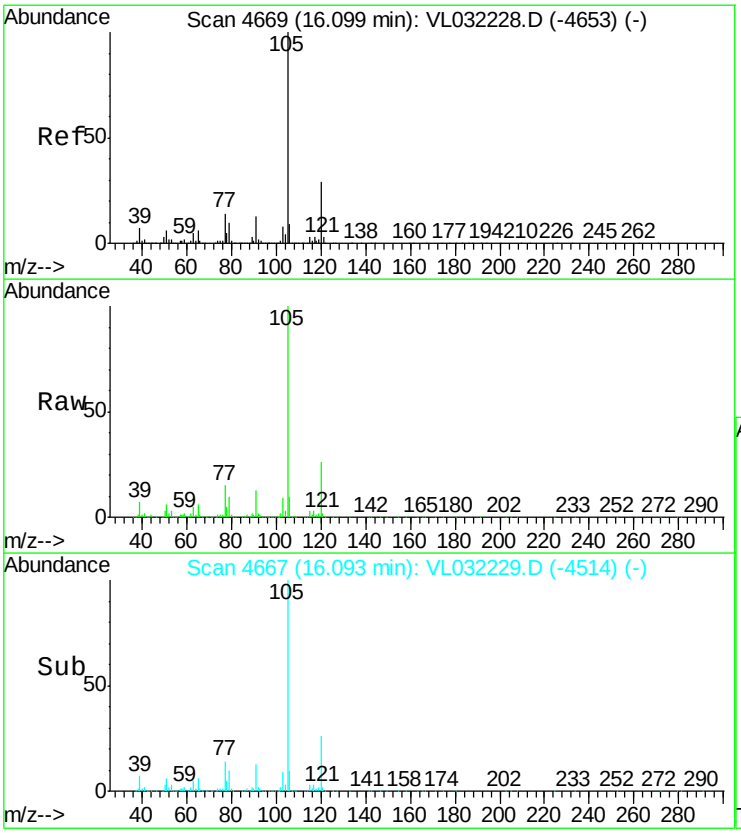
#71
2-Chlorotoluene
Concen: 1.913 ppbv
RT: 15.71 min Scan# 4549
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 1445346

Ion	Ratio	Lower	Upper
91	100		
126	29.0	11.7	46.7

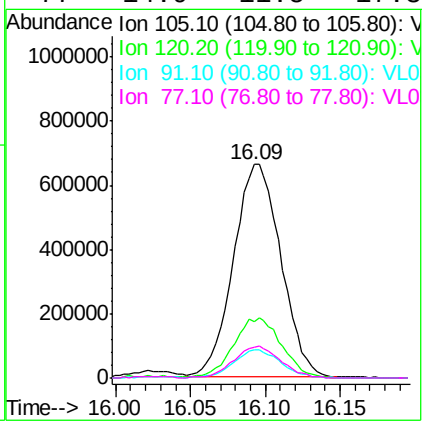


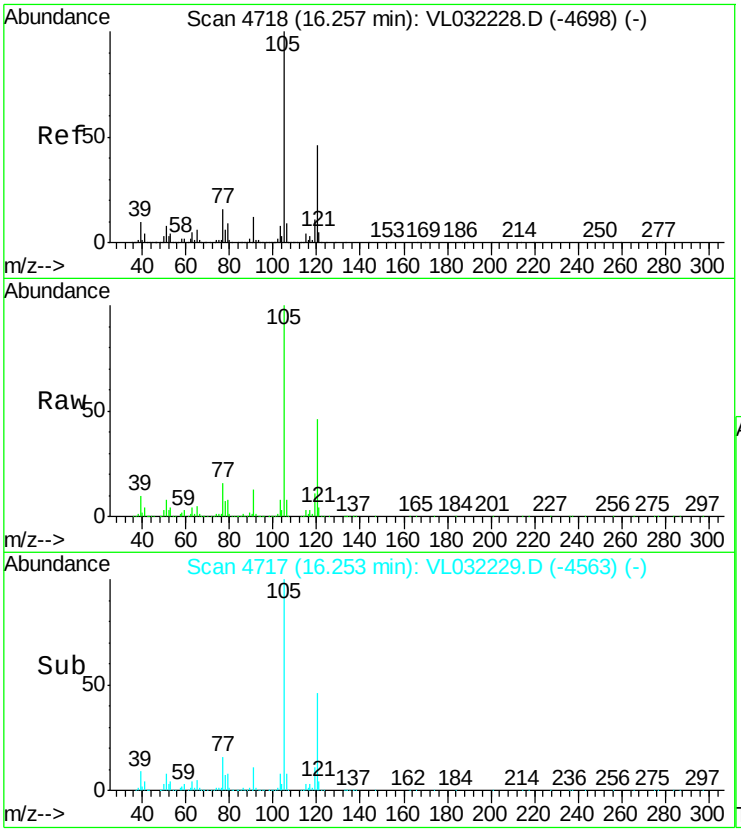


#72
4-Ethyltoluene
Concen: 1.783 ppbv
RT: 16.09 min Scan# 4667
Delta R.T. -0.01 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion:105 Resp: 1458893

Ion	Ratio	Lower	Upper
105	100		
120	28.5	23.3	34.9
91	12.9	10.3	15.5
77	14.9	11.5	17.3



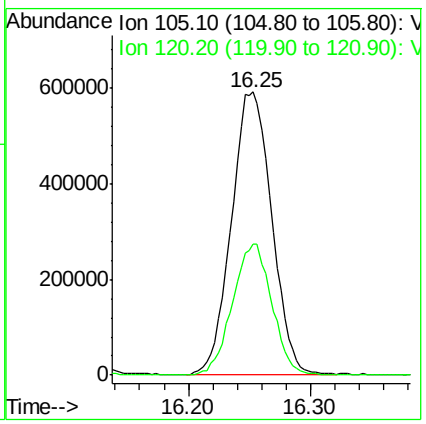


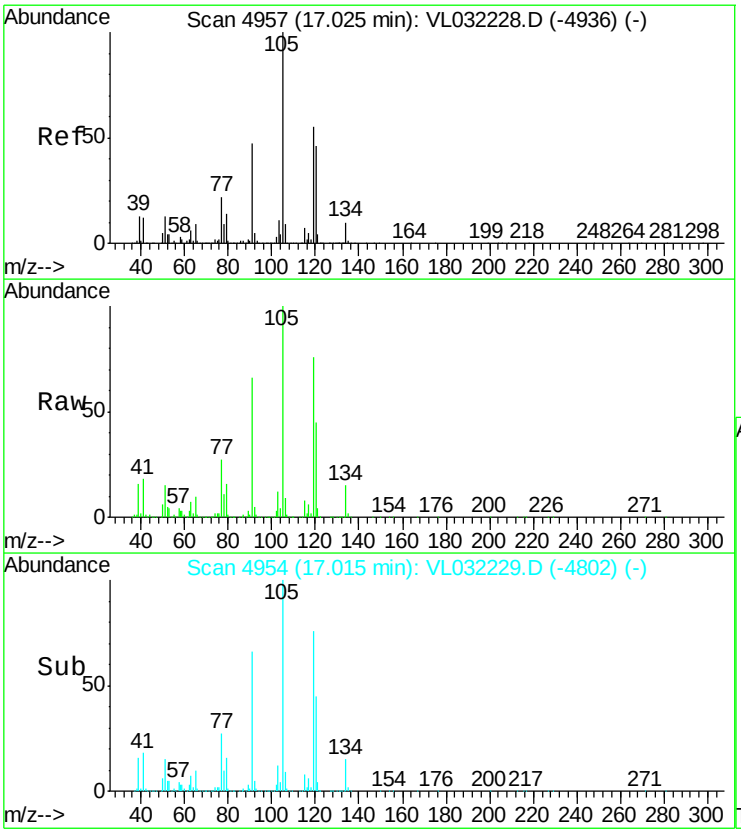
#73
1,3,5-Trimethylbenzene
Concen: 1.743 ppbv
RT: 16.25 min Scan# 4717
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 1344054

Ion	Ratio	Lower	Upper
105	100		
120	46.3	36.6	54.8

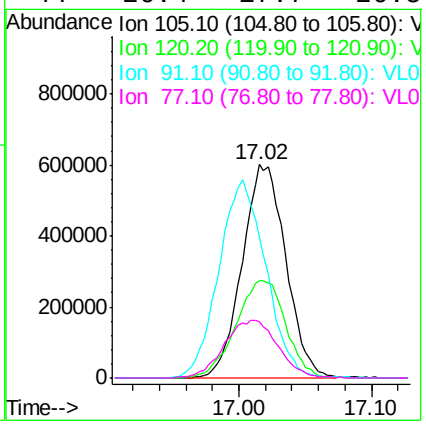


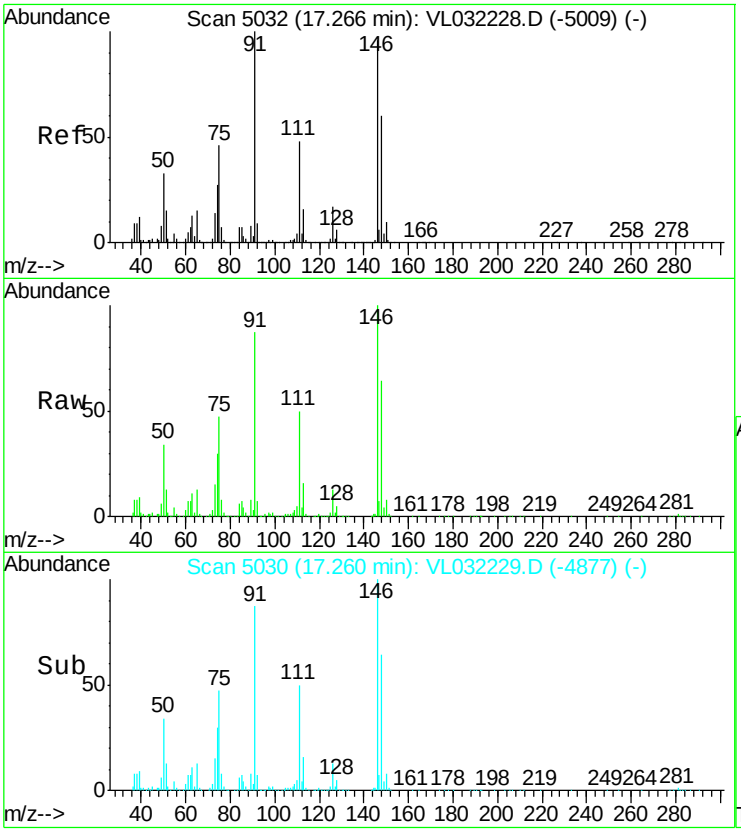


#74
1,2,4-Trimethylbenzene
Concen: 1.763 ppbv
RT: 17.02 min Scan# 4954
Delta R.T. -0.01 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion:105 Resp: 1372859

Ion	Ratio	Lower	Upper
105	100		
120	44.9	37.0	55.4
91	65.6	38.2	57.2#
77	26.4	17.7	26.5



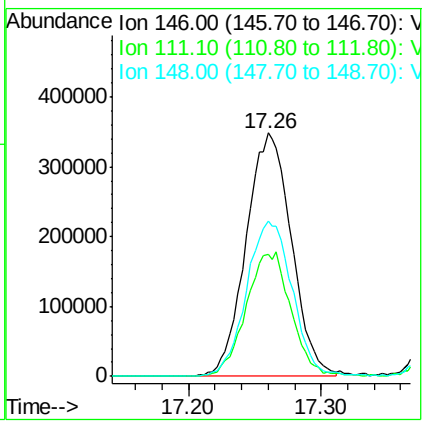


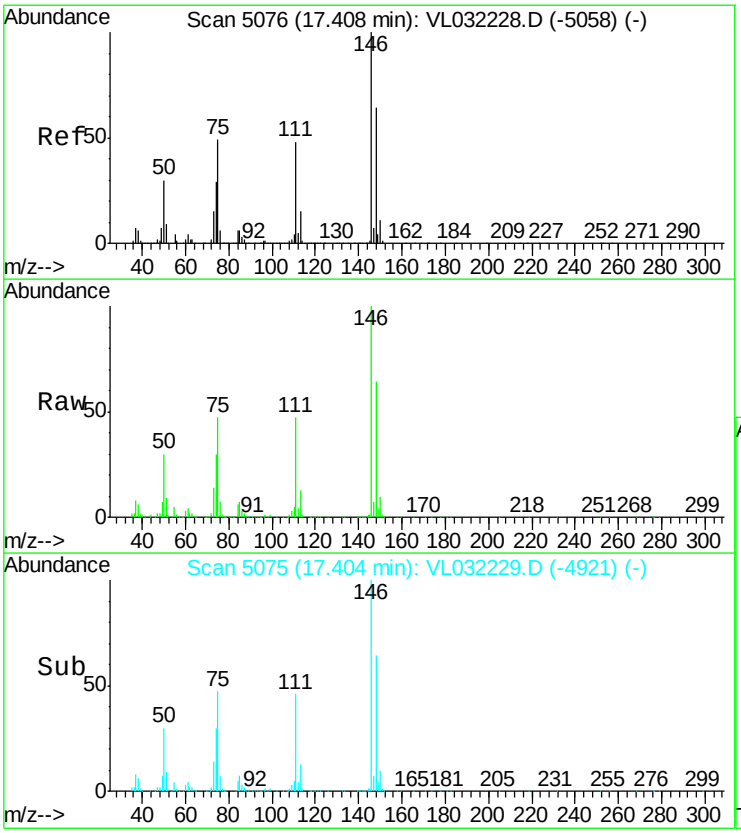
#75
1,3-Dichlorobenzene
Concen: 1.876 ppbv
RT: 17.26 min Scan# 5030
Delta R.T. -0.01 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:146 Resp: 826731

Ion	Ratio	Lower	Upper
146	100		
111	50.7	24.9	74.7
148	64.8	31.9	95.5

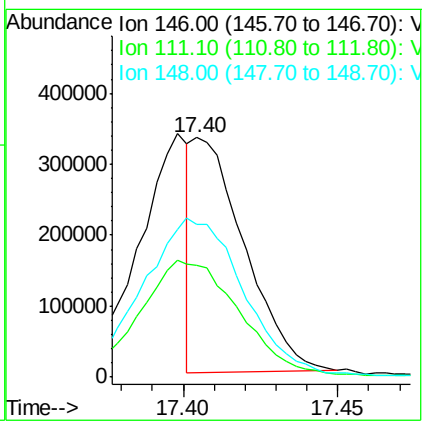


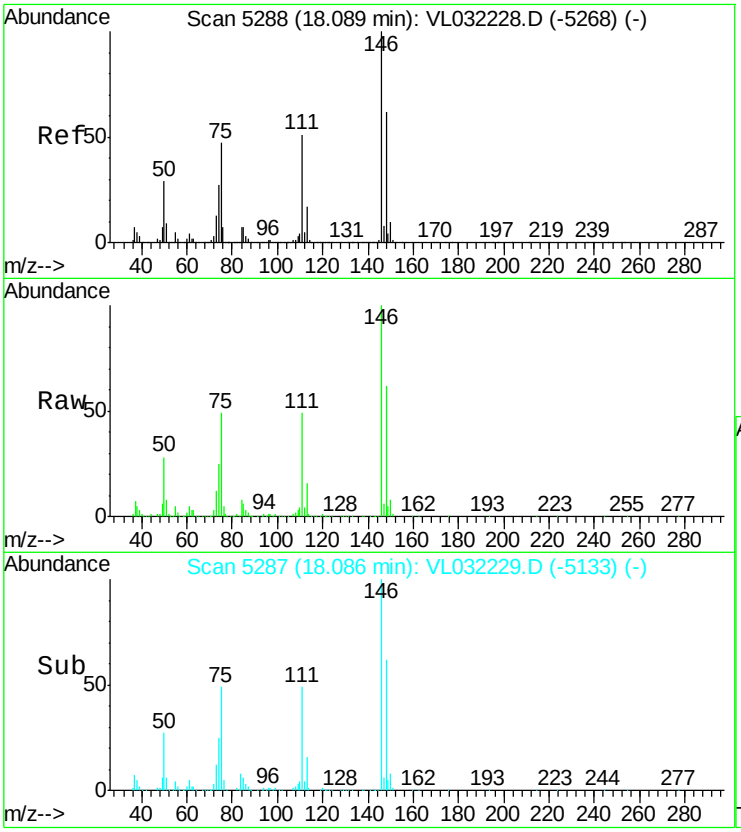


#76
1,4-Dichlorobenzene
Concen: 0.861 ppbv
RT: 17.40 min Scan# 5075
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion:146 Resp: 383073

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.6	73.6#
148	137.4	32.3	96.9#



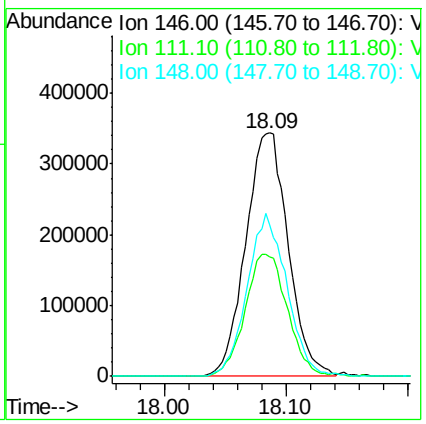


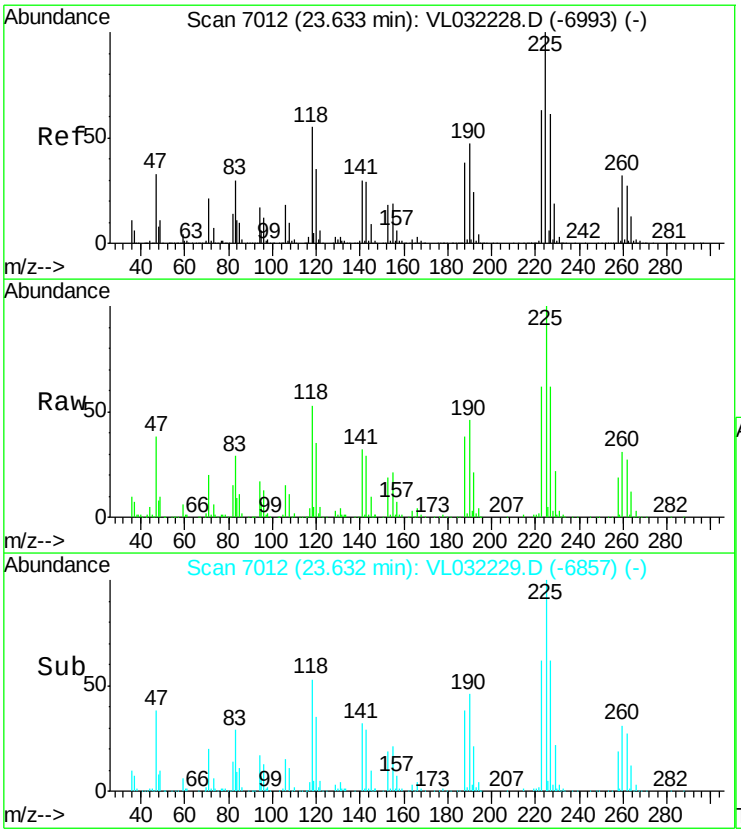
#77
1,2-Dichlorobenzene
Concen: 1.882 ppbv
RT: 18.09 min Scan# 5287
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 825556

Ion	Ratio	Lower	Upper
146	100		
111	50.4	26.1	78.3
148	62.9	32.0	96.0

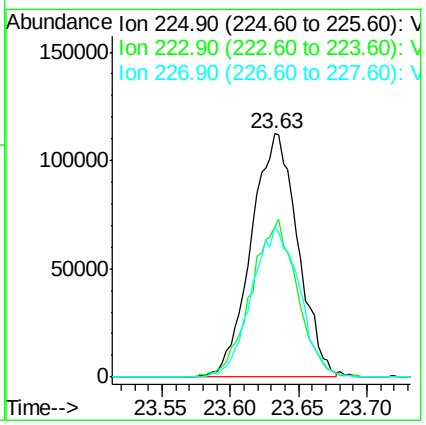


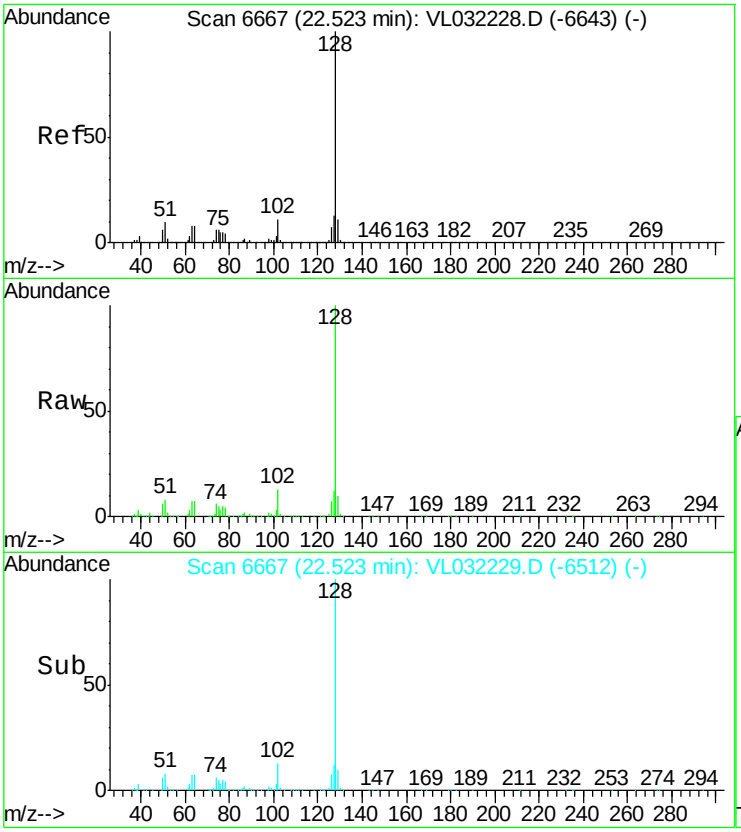


#78
Hexachloro-1,3-Butadiene
Concen: 1.786 ppbv
RT: 23.63 min Scan# 7012
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion:225 Resp: 267438

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.3	75.5
227	62.7	50.9	76.3



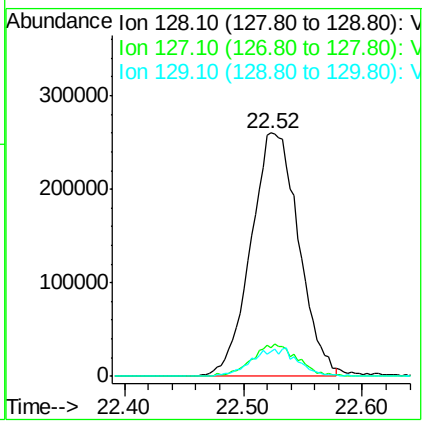


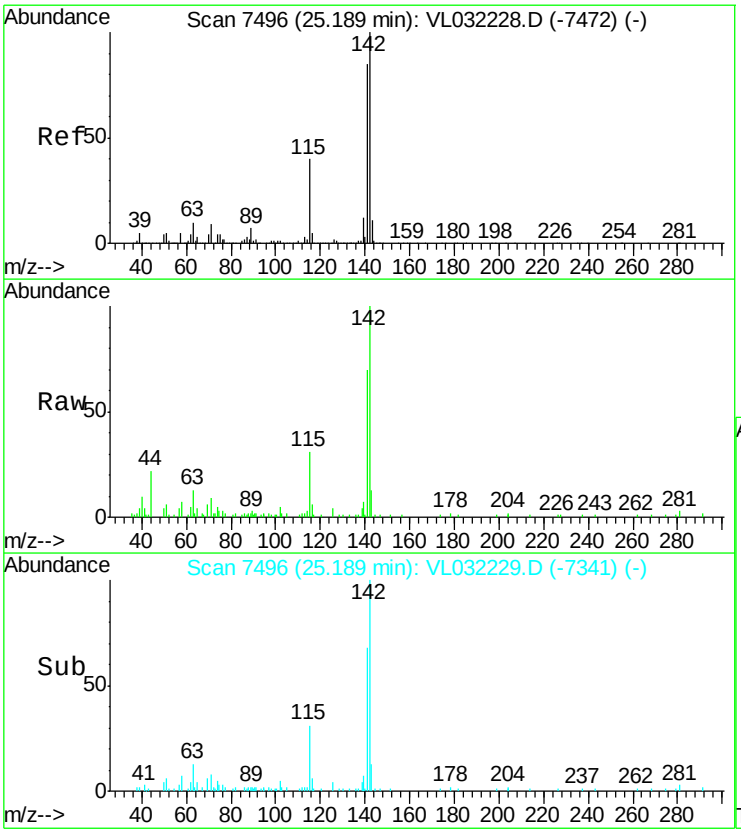
#79
Naphthalene
Concen: 1.041 ppbv
RT: 22.52 min Scan# 6667
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 724428

Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.0	15.0
129	10.0	9.0	13.4

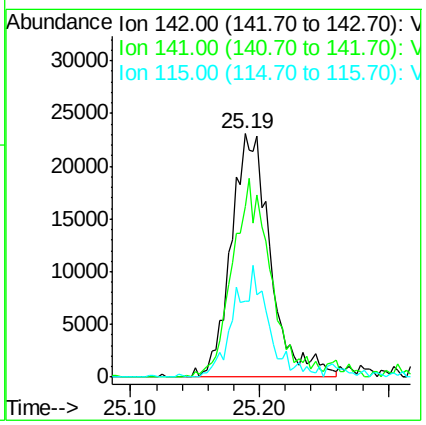


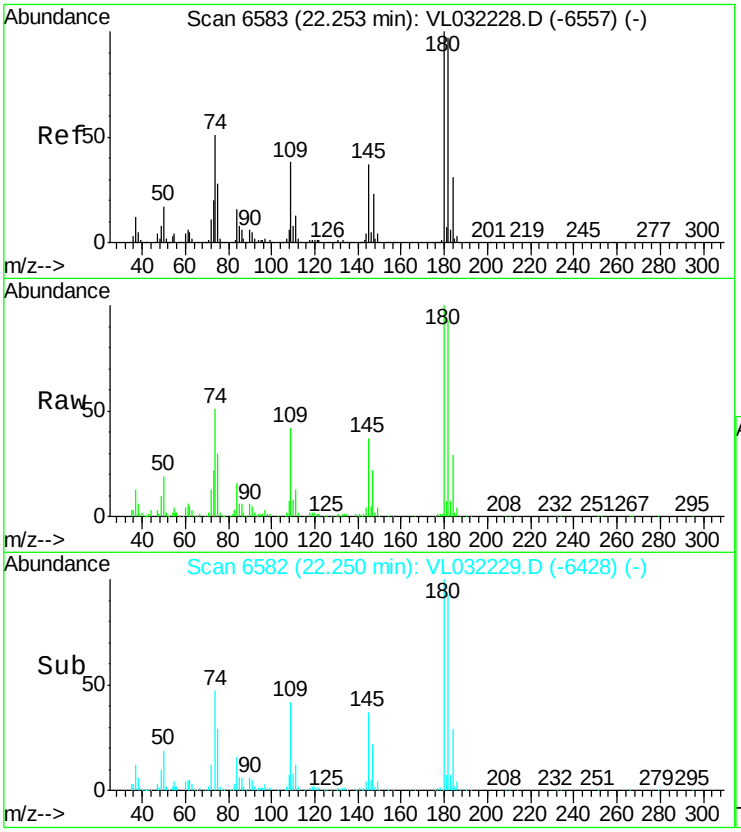


#80
Naphthalene,2-methyl-
Concen: 0.199 ppbv
RT: 25.19 min Scan# 7496
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Tgt Ion:142 Resp: 48964

Ion	Ratio	Lower	Upper
142	100		
141	79.2	67.0	100.6
115	39.5	32.6	49.0





#81
1,2,4-Trichlorobenzene
Concen: 1.266 ppbv
RT: 22.25 min Scan# 6582
Delta R.T. -0.00 min
Lab File: VL032229.D
Acq: 12 Jul 2018 18:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 395965

Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.1	114.1
184	30.2	24.2	36.4