Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071218\
Data File : VL032228.D
Acq On : 12 Jul 2018 18:03
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Jul 13 03:37:17 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	1785009	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	4650255	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.34	117	6013386	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.67	95	3800474	8.23	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 82.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.13	85	2115697	8.752	ppbv	100
3) Chlorodifluoromethane	3.06	51	2281336	10.182	ppbv	100
4) Chloromethane	3.23	50	1338529	11.043	ppbv	100
5) Vinyl Chloride	3.35	62	1290451	10.693	ppbv	100
6) Bromomethane	3.57	94	724190	10.511	ppbv	100
7) Chloroethane	3.66	64	451188	10.511	ppbv	100
8) Dichlorotetrafluoroethane	3.27	85	2700812	10.019	ppbv	100
9) Propene	3.09	41	1010439	9.837	ppbv	100
10) Heptane	8.34	43	2851965	9.649	ppbv	100
11) Trichlorofluoromethane	4.07	101	2289435	9.071	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1419908	8.487	ppbv	100
13) Ethanol	3.71	45	236308	7.723	ppbv	99
14) Bromoethene	3.85	108	701819	8.845	ppbv	100
15) Acetone	3.96	43	1814249	8.741	ppbv	100
16) 1,3-Butadiene	3.42	39	1160165	11.235	ppbv	100
17) tert-Butyl alcohol	4.42	59	996698	7.856	ppbv	100
18) 1,1-Dichloroethene	4.42	96	683880	8.614	ppbv	100
19) Isopropyl Alcohol	4.09	45	1376656	8.214	ppbv	99
20) Methylene Chloride	4.48	84	614855	8.153	ppbv	100
21) Allyl Chloride	4.55	41	1217342	8.730	ppbv	100
22) trans-1,2-Dichloroethene	5.04	96	699861	8.357	ppbv	100
23) Vinyl Acetate	5.23	43	3517971	9.317	ppbv	100
24) 1,1-Dichloroethane	5.17	63	2314454	9.474	ppbv	100
25) Ethyl Acetate	5.85	43	3883747	9.013	ppbv	100
26) Hexane	5.86	57	1770053	8.895	ppbv	100
27) Carbon Disulfide	4.69	76	1762756	9.102	ppbv	98
28) Methyl tert-Butyl Ether	5.19	73	3035116	8.757	ppbv	100
29) Chloroform	5.93	83	2694380	9.293	ppbv	100
30) Cyclohexane	7.33	84	1775741	9.338	ppbv	100
31) cis-1,2-Dichloroethene	5.72	61	1899507	9.505	ppbv	100
32) 1,1,1-Trichloroethane	6.71	97	3056631	9.915	ppbv	100
34) 2-Butanone	5.40	43	2799317	9.497	ppbv	100
35) Carbon Tetrachloride	7.22	117	3052010	9.486	ppbv	100
36) Benzene	7.09	78	4355113	9.521	ppbv	100
37) 1,2-Dichloroethane	6.50	62	2316247	10.114	ppbv	100
38) Trichloroethene	8.05	130	1439439	8.320	ppbv	100
39) 1,2-Dichloropropane	7.83	63	1727343	9.670	ppbv	100
40) 1,4-Dioxane	8.04	88	550521	8.227	ppbv #	99
41) Tetrahydrofuran	6.23	42	1741339	9.788	ppbv	100
42) Bromodichloromethane	8.01	83	3404035	9.762	ppbv	100
43) Methyl Methacrylate	8.23	69	1815652	9.800	ppbv	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071218\
Data File : VL032228.D
Acq On : 12 Jul 2018 18:03
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Jul 13 03:37:17 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	7290539	9.317	ppbv		100
45) t-1,3-Dichloropropene	9.51	75	2483862	10.725	ppbv		100
46) cis-1,3-Dichloropropene	8.93	75	2879204	10.323	ppbv		100
47) 1,1,2-Trichloroethane	9.71	97	1783492	9.663	ppbv		100
48) Dibromochloromethane	10.55	129	2860096	10.063	ppbv		100
49) Bromoform	13.30	173	2333672	9.859	ppbv		100
50) 4-Methyl-2-Pentanone	8.96	43	4906313	9.989	ppbv		100
51) 2-Hexanone	10.36	43	4213497	10.350	ppbv		100
52) Tetrachloroethene	11.47	164	1378818	8.467	ppbv		100
53) Toluene	10.04	91	4985772	9.242	ppbv		100
54) 1,2-Dibromoethane	10.86	107	2672170	9.660	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.38	131	1975767	7.376	ppbv		100
57) Chlorobenzene	12.40	112	3701598	7.140	ppbv		100
58) Ethyl Benzene	12.96	91	6937597	7.177	ppbv		100
59) m/p-Xylene	13.25	91	5955862	7.676	ppbv	#	41
60) o-Xylene	13.95	91	5349887	6.930	ppbv		100
61) Styrene	13.78	104	4424484	7.076	ppbv		100
62) Isopropylbenzene	14.93	105	7552271	6.413	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.94	83	3962006	6.581	ppbv		100
64) n-propylbenzene	15.82	120	1971208	6.455	ppbv		100
65) tert-Butylbenzene	17.01	119	6175556	5.977	ppbv		100
66) Benzyl Chloride	17.26	91	4218123	6.739	ppbv		100
67) sec-Butylbenzene	17.56	105	9214194	6.074	ppbv		100
69) p-Isopropyltoluene	17.91	119	7392607	6.106	ppbv		100
70) n-Butylbenzene	18.81	91	8256123	6.466	ppbv		100
71) 2-Chlorotoluene	15.72	91	6076190	6.634	ppbv		100
72) 4-Ethyltoluene	16.10	105	6461558	6.515	ppbv		100
73) 1,3,5-Trimethylbenzene	16.26	105	6105189	6.534	ppbv		100
74) 1,2,4-Trimethylbenzene	17.03	105	5945770	6.300	ppbv		100
75) 1,3-Dichlorobenzene	17.27	146	3288650	6.159	ppbv		100
76) 1,4-Dichlorobenzene	17.41	146	3374382	6.254	ppbv		100
77) 1,2-Dichlorobenzene	18.09	146	3294633	6.197	ppbv		100
78) Hexachloro-1,3-Butadiene	23.63	225	986377	5.435	ppbv		100
79) Naphthalene	22.52	128	6070845	7.201	ppbv		100
80) Naphthalene,2-methyl-	25.19	142	3255607	10.927	ppbv		100
81) 1,2,4-Trichlorobenzene	22.25	180	2700064	7.123	ppbv		100

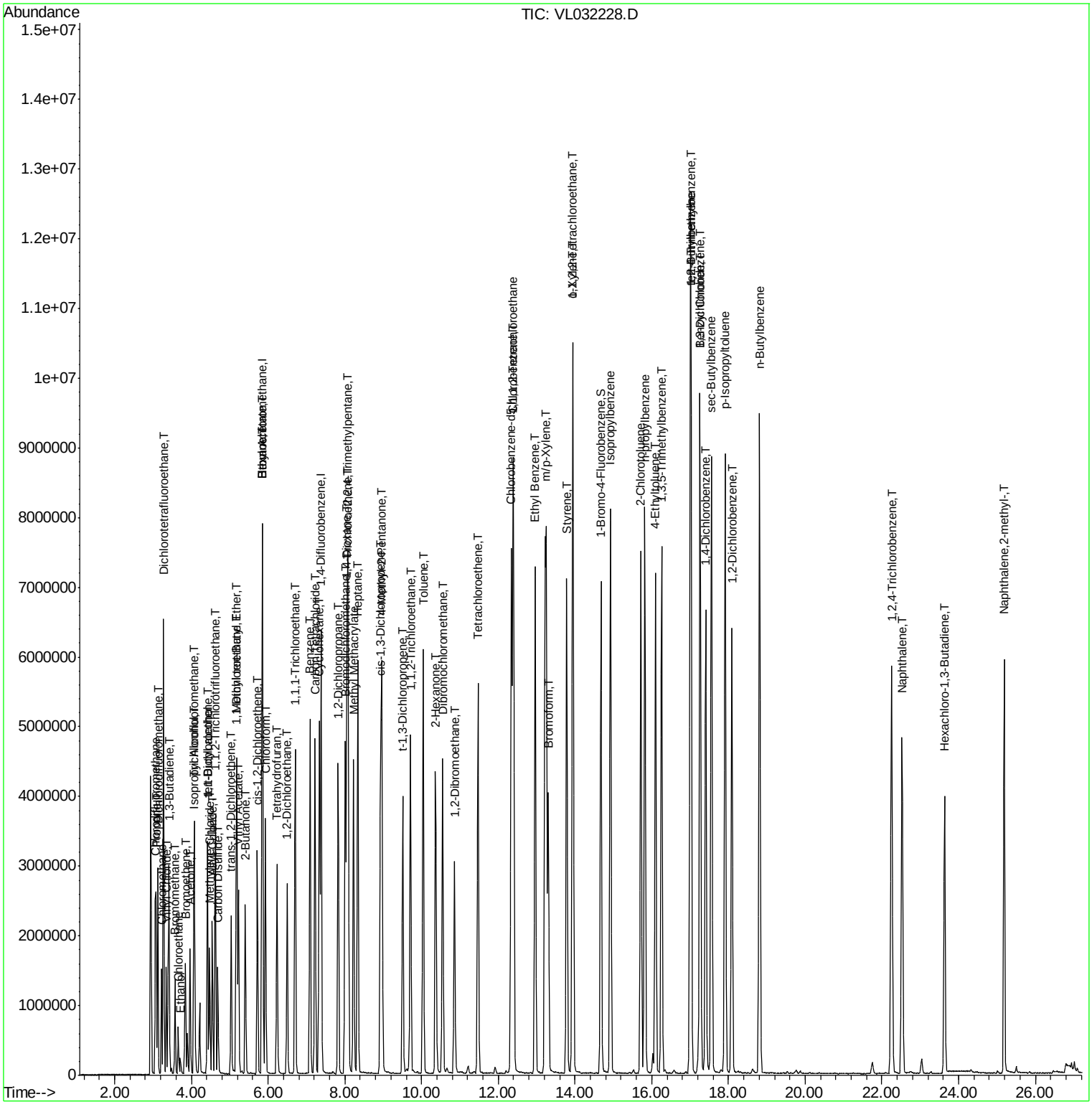
(#) = qualifier out of range (m) = manual integration (+) = signals summed

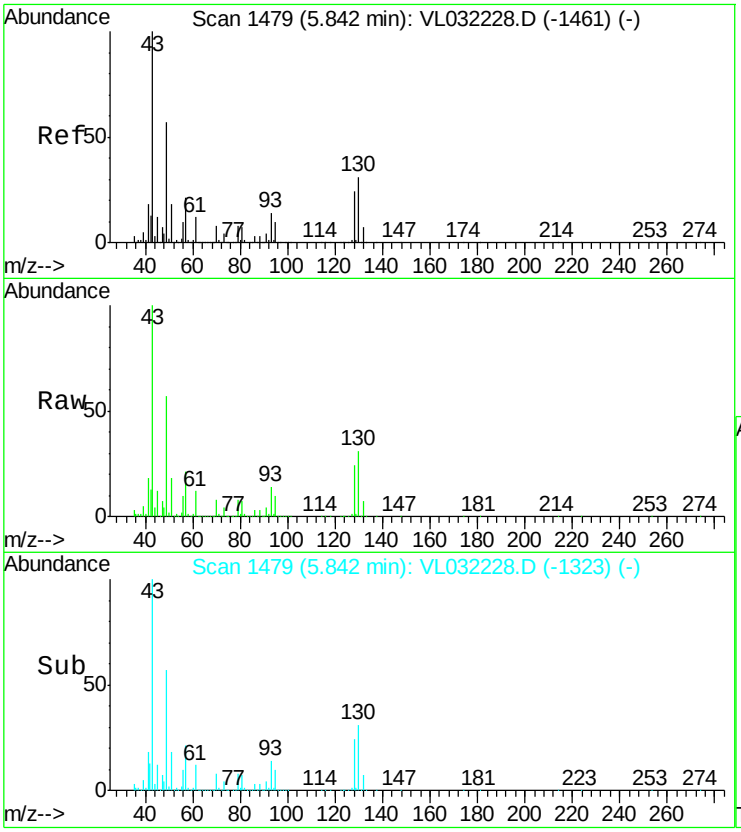
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071218\
Data File : VL032228.D
Acq On : 12 Jul 2018 18:03
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Jul 13 03:37:17 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



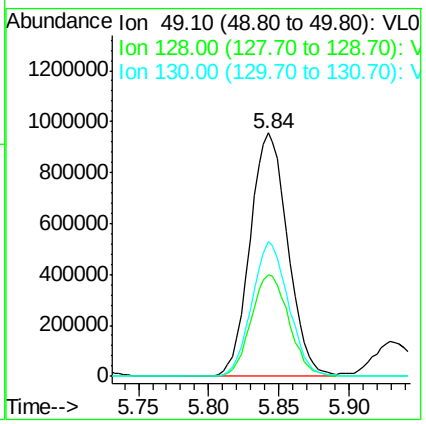


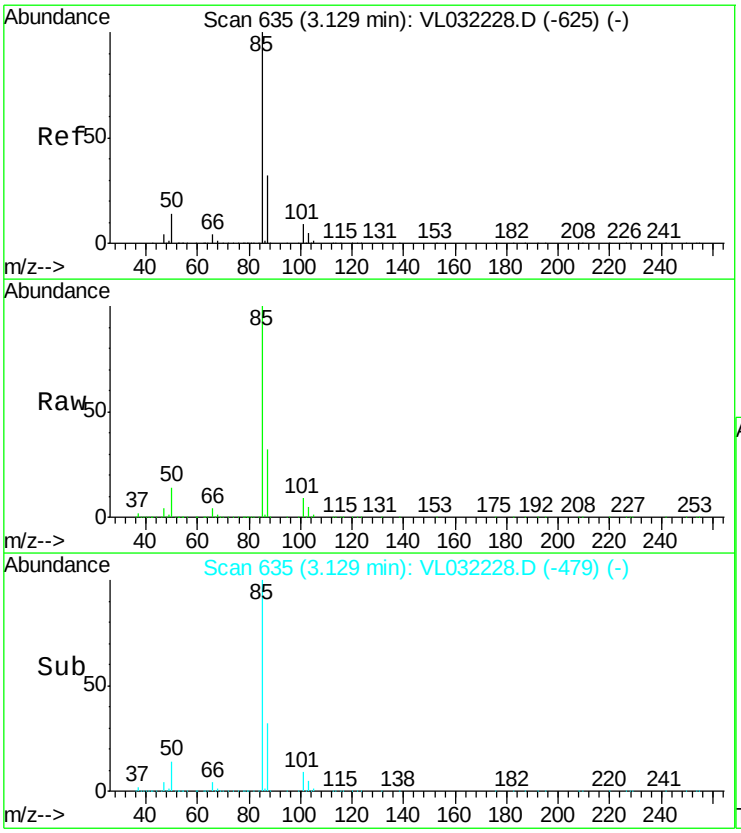
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.84 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 1785009

Ion	Ratio	Lower	Upper
49	100		
128	41.9	20.9	62.8
130	54.0	27.0	81.0

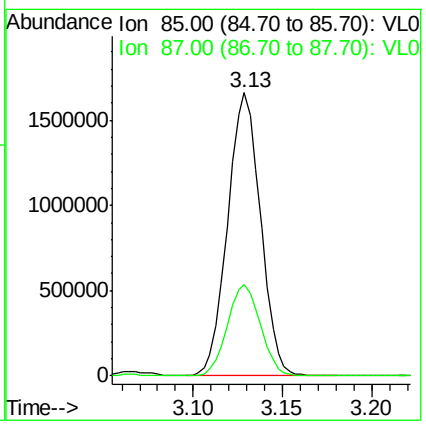


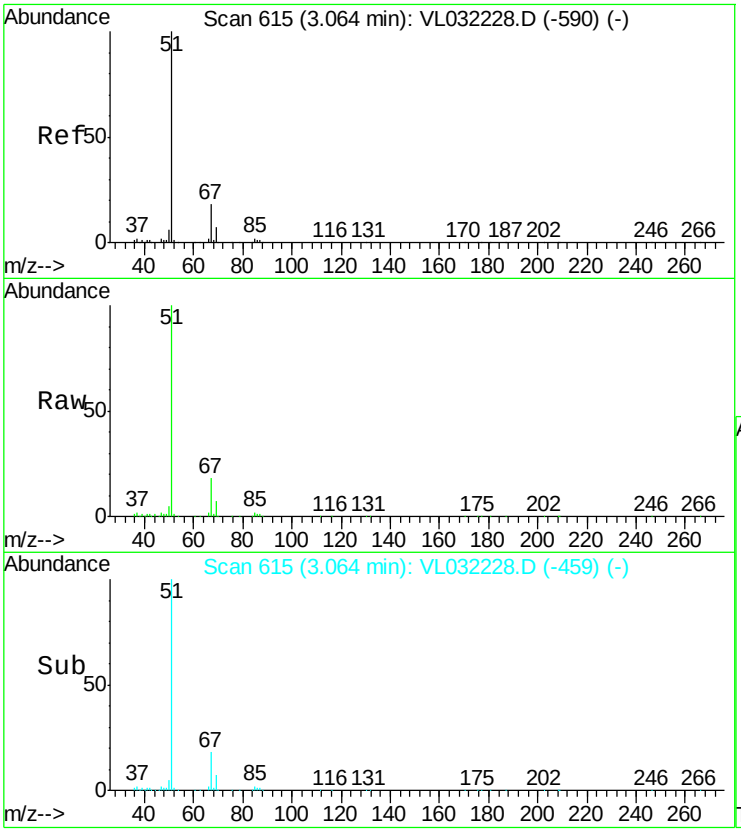


#2
Dichlorodifluoromethane
Concen: 8.752 ppbv
RT: 3.13 min Scan# 635
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 85 Resp: 2115697

Ion	Ratio	Lower	Upper
85	100		
87	32.2	25.8	38.6



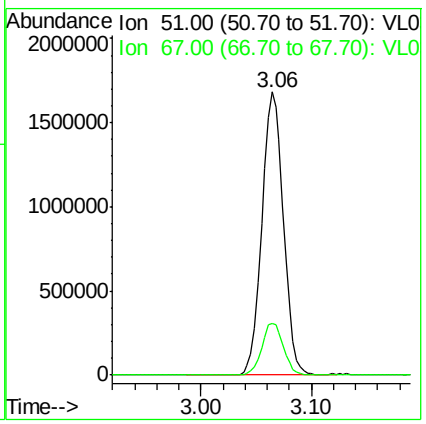


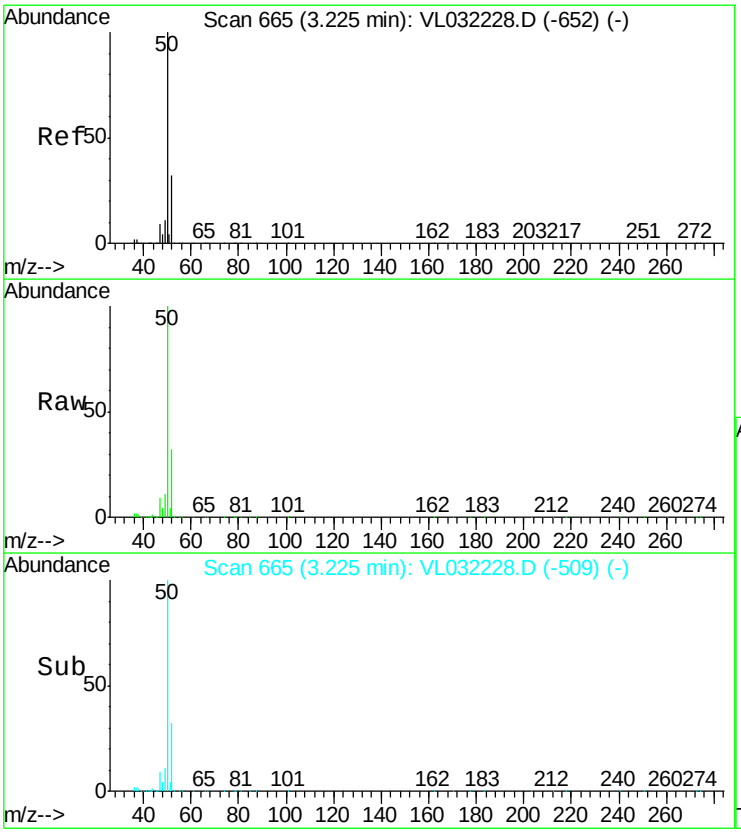
#3
Chlorodifluoromethane
Concen: 10.182 ppbv
RT: 3.06 min Scan# 615
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 2281336

Ion	Ratio	Lower	Upper
51	100		
67	18.4	14.6	22.0

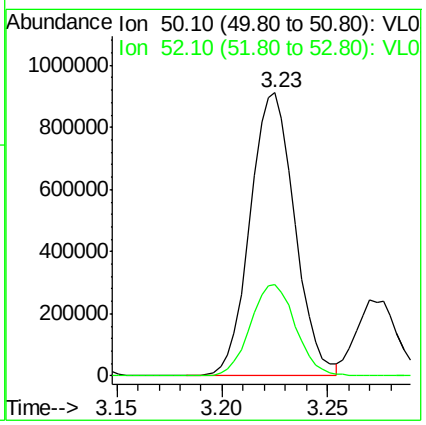


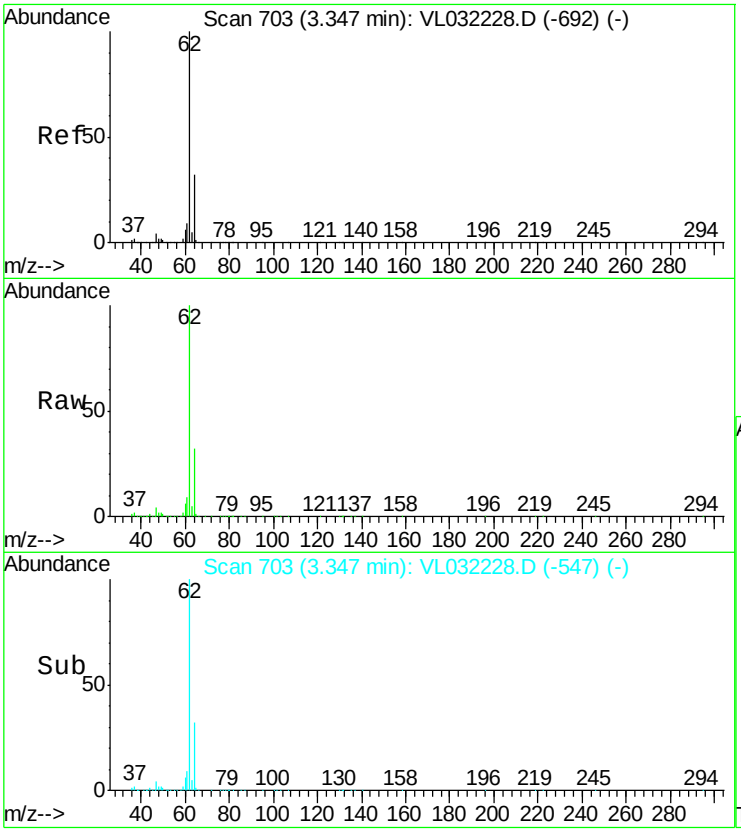


#4
Chloromethane
Concen: 11.043 ppbv
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 50 Resp: 1338529

Ion	Ratio	Lower	Upper
50	100		
52	32.1	25.7	38.5



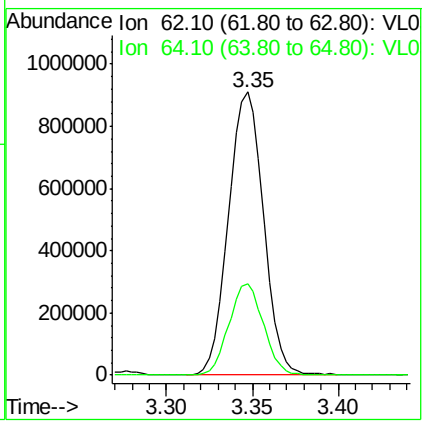


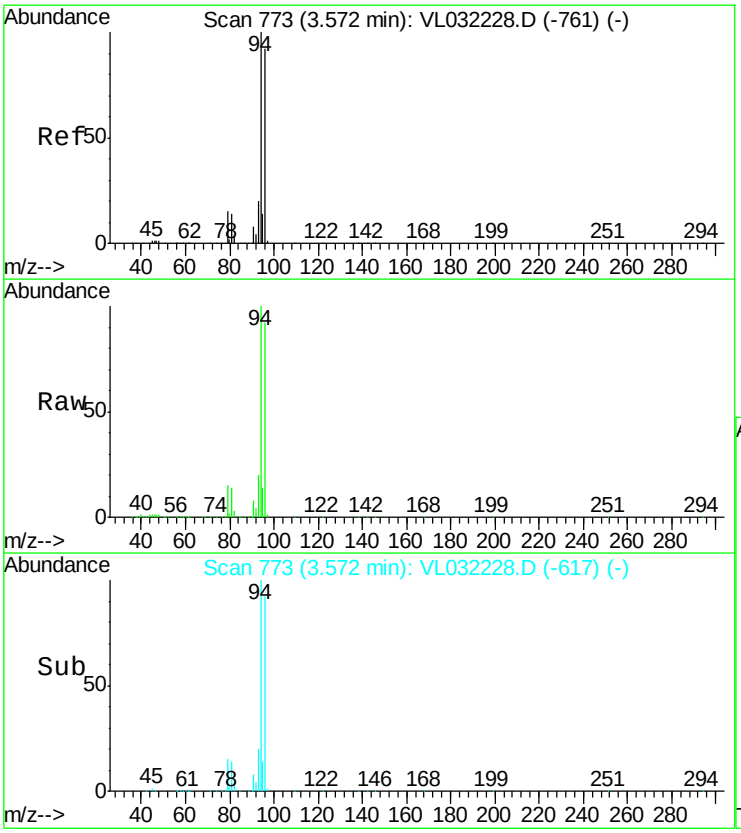
#5
Vinyl Chloride
Concen: 10.693 ppbv
RT: 3.35 min Scan# 703
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 1290451

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.8	38.6

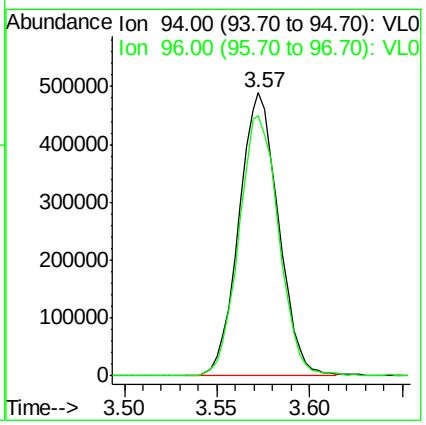


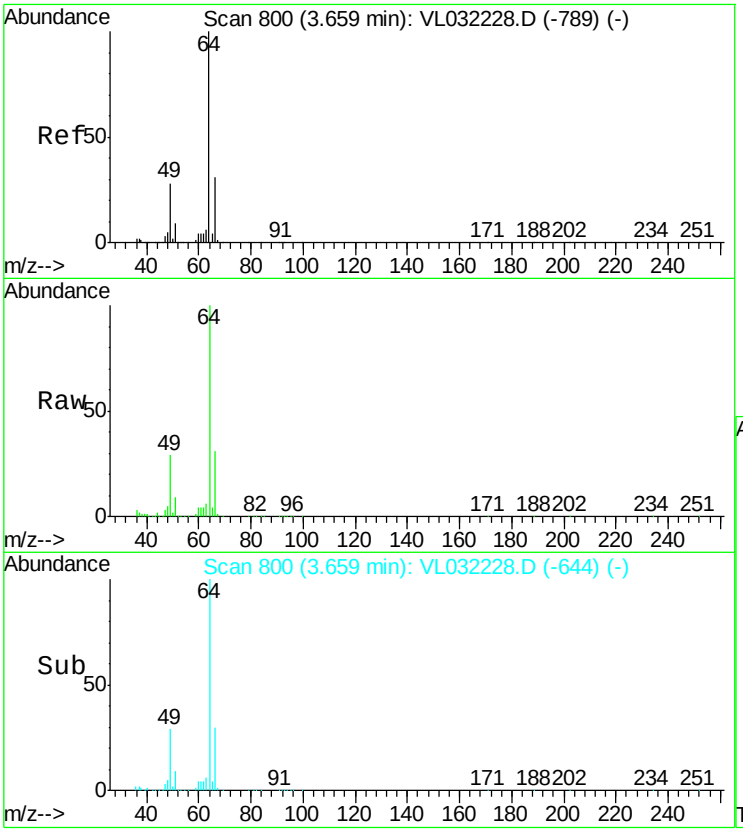


#6
Bromomethane
Concen: 10.511 ppbv
RT: 3.57 min Scan# 773
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 94 Resp: 724190

Ion	Ratio	Lower	Upper
94	100		
96	91.9	73.5	110.3



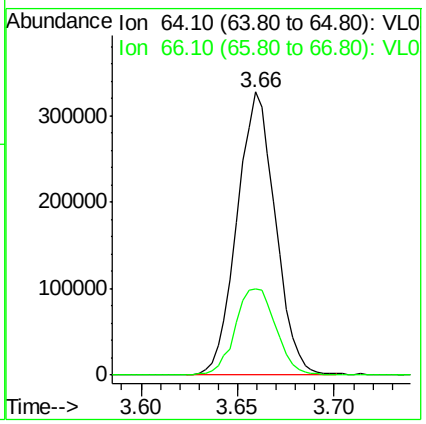


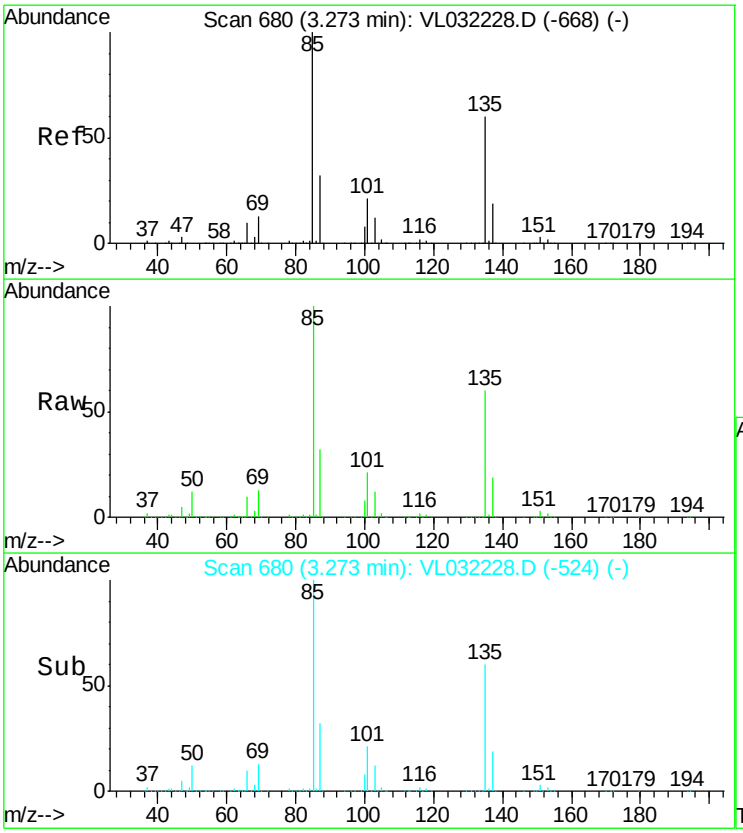
#7
Chloroethane
Concen: 10.511 ppbv
RT: 3.66 min Scan# 800
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 451188

Ion	Ratio	Lower	Upper
64	100		
66	30.5	24.4	36.6

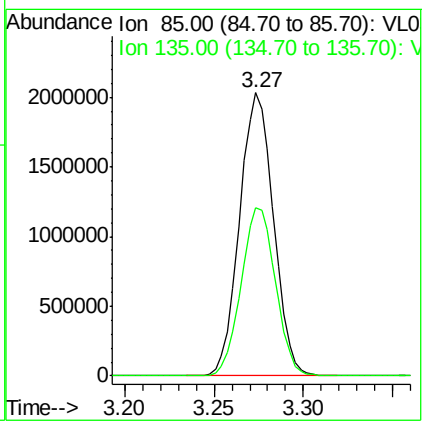


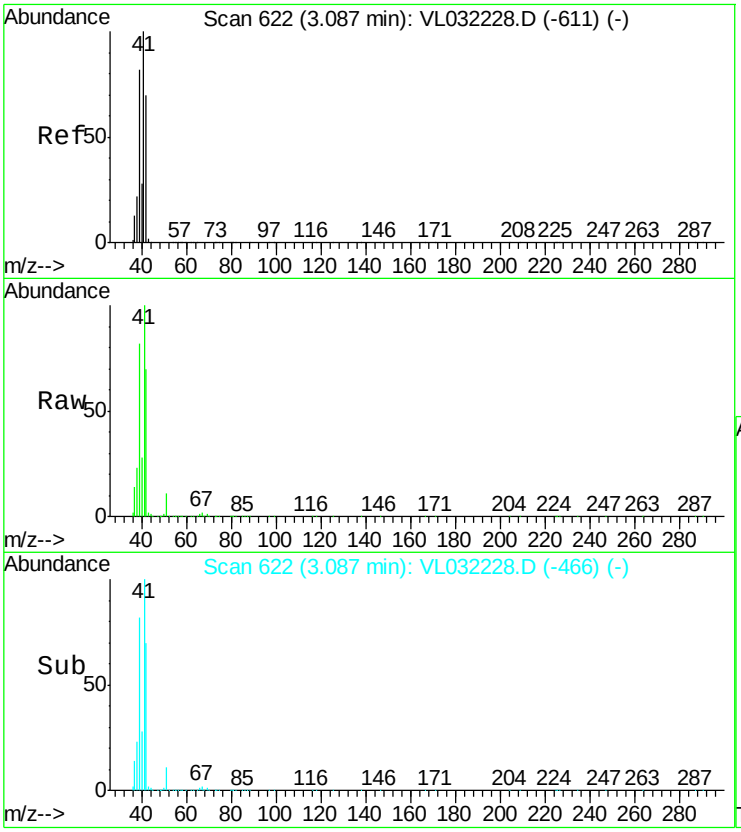


#8
Dichlorotetrafluoroethane
Concen: 10.019 ppbv
RT: 3.27 min Scan# 680
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 85 Resp: 2700812

Ion	Ratio	Lower	Upper
85	100		
135	60.5	48.6	72.8



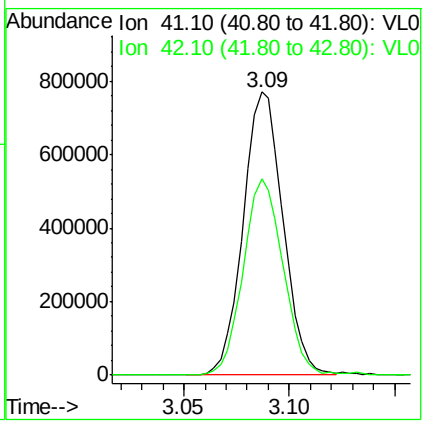


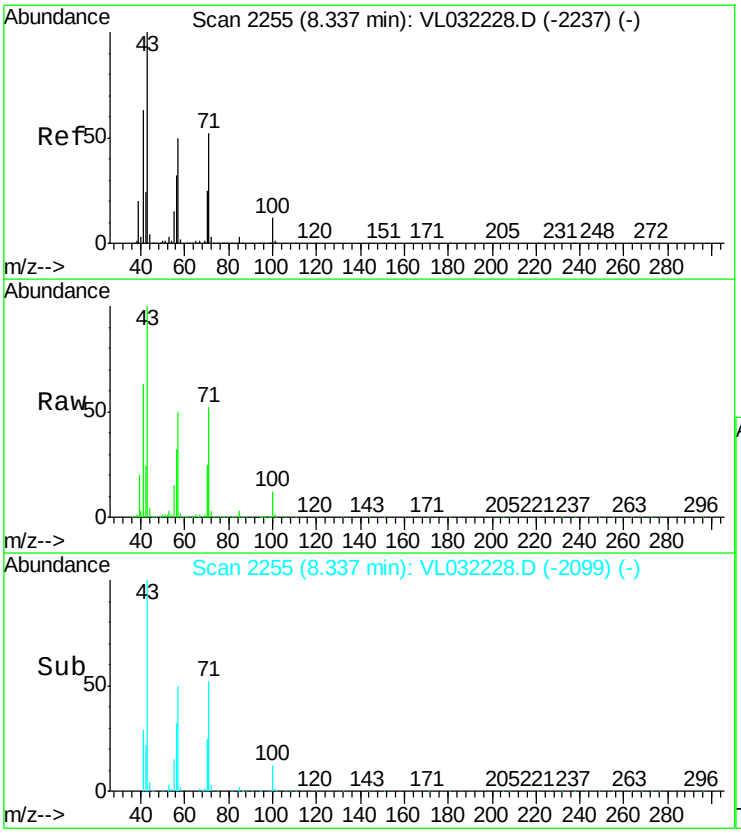
#9
Propene
Concen: 9.837 ppbv
RT: 3.09 min Scan# 622
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 1010439

Ion	Ratio	Lower	Upper
41	100		
42	70.4	56.2	84.4

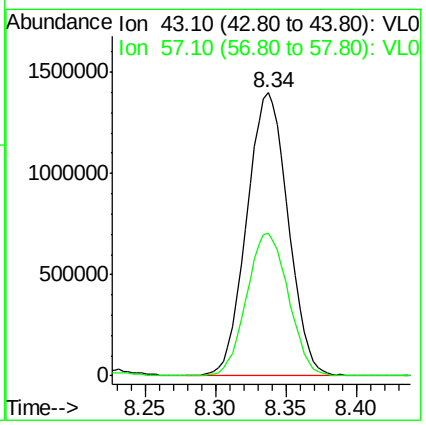


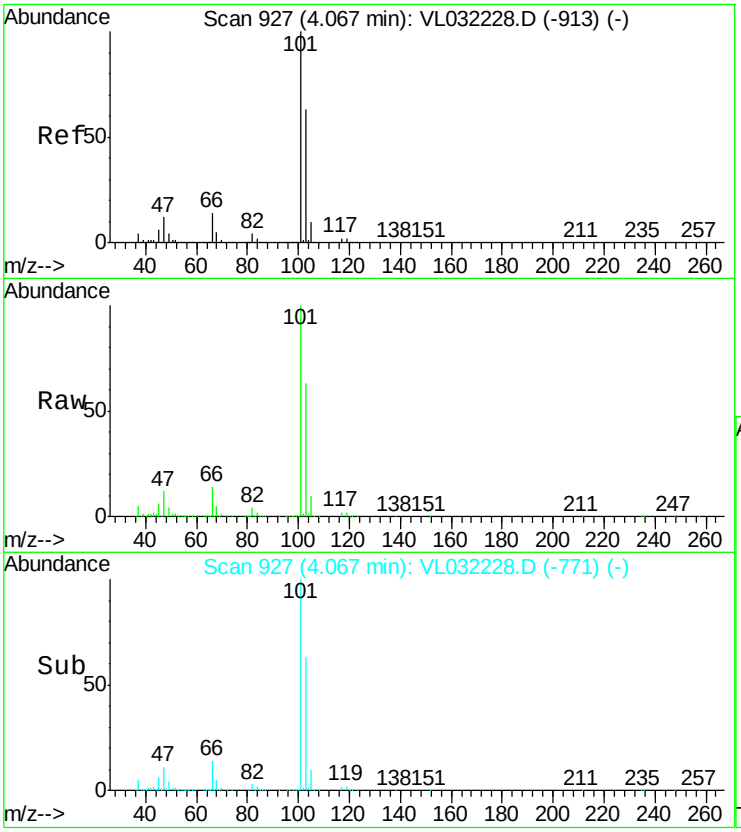


#10
Heptane
Concen: 9.649 ppbv
RT: 8.34 min Scan# 2255
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 43 Resp: 2851965

Ion	Ratio	Lower	Upper
43	100		
57	51.1	40.7	61.1



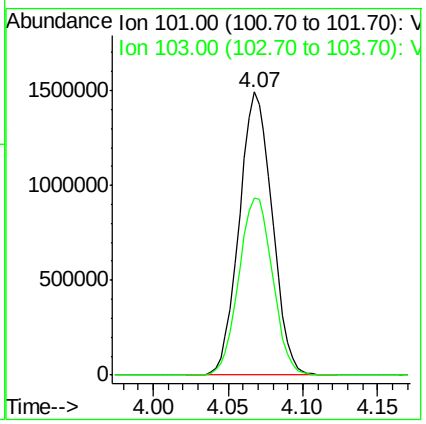


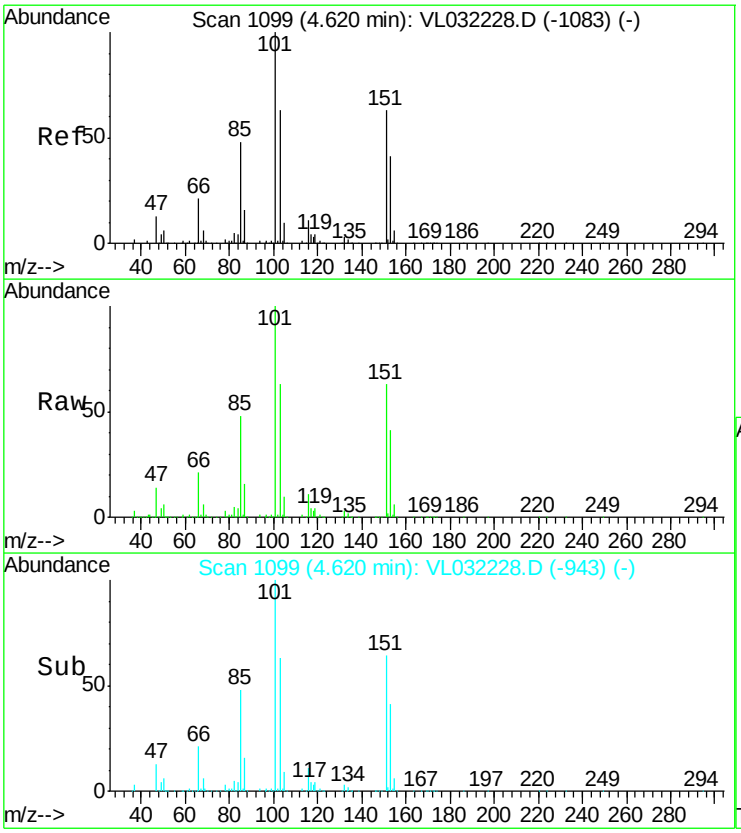
#11
Trichlorofluoromethane
Concen: 9.071 ppbv
RT: 4.07 min Scan# 927
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 2289435

Ion	Ratio	Lower	Upper
101	100		
103	62.7	50.2	75.2

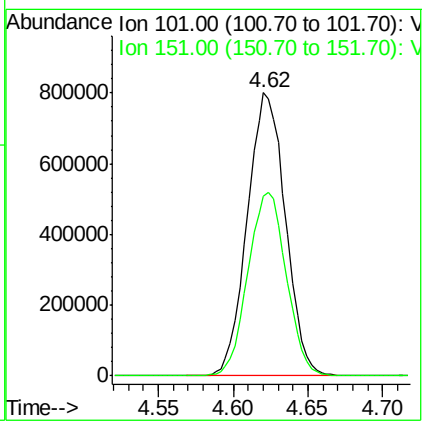


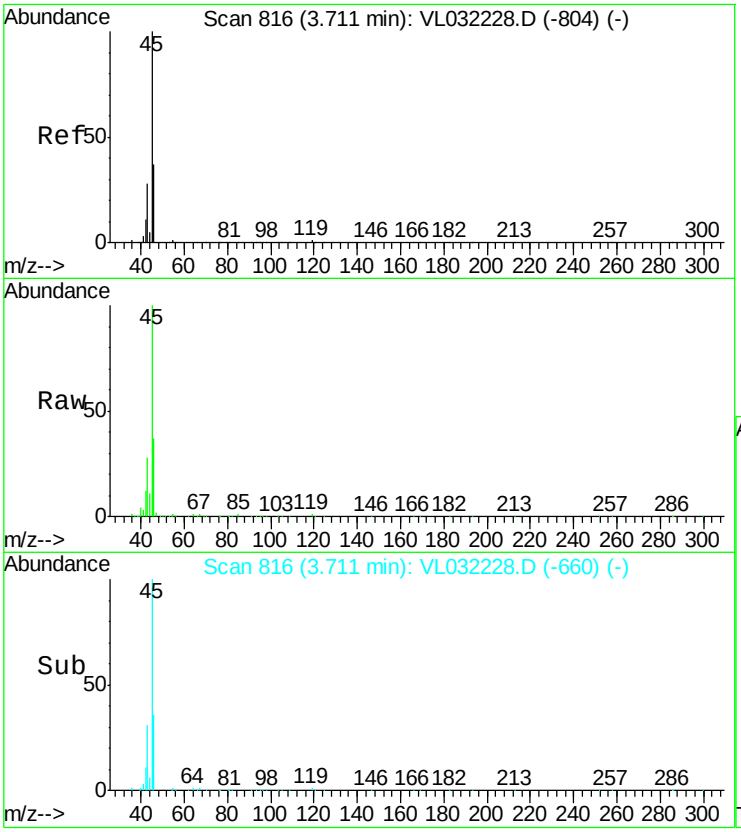


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.487 ppbv
RT: 4.62 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion:101 Resp: 1419908

Ion	Ratio	Lower	Upper
101	100		
151	65.2	52.2	78.2



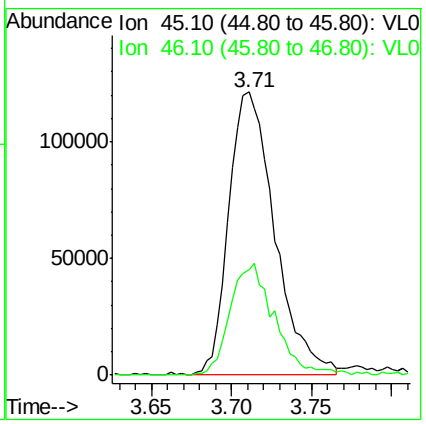


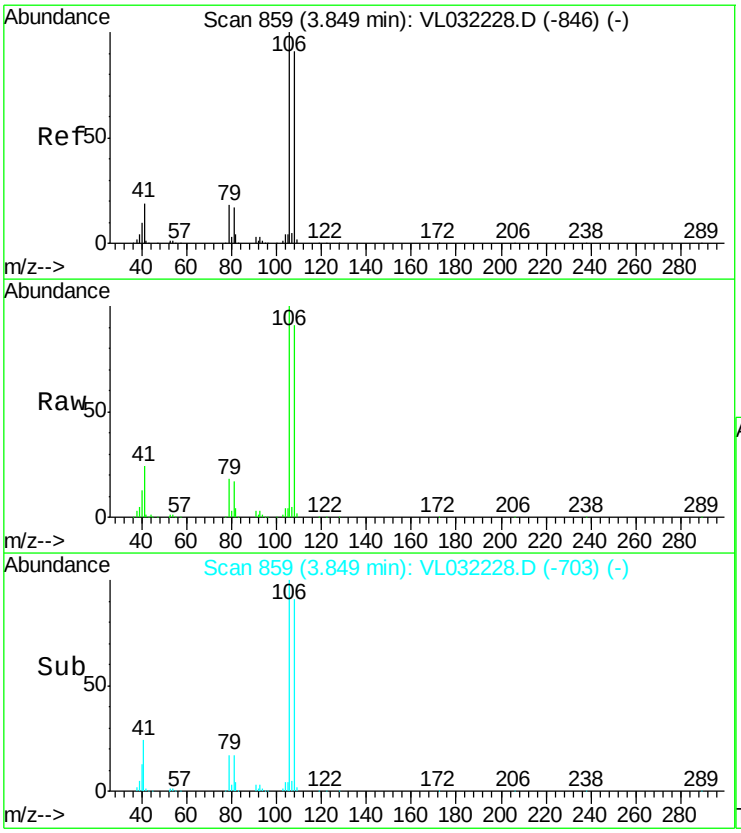
#13
Ethanol
Concen: 7.723 ppbv
RT: 3.71 min Scan# 816
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 236308

Ion	Ratio	Lower	Upper
45	100		
46	39.3	15.5	61.9

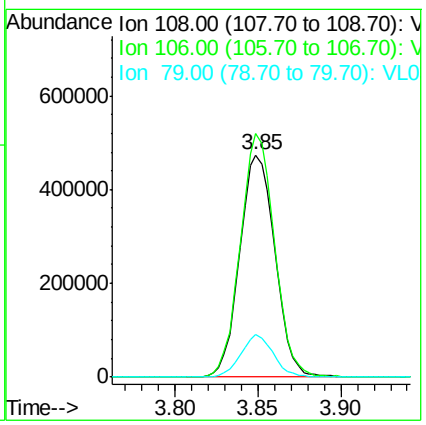


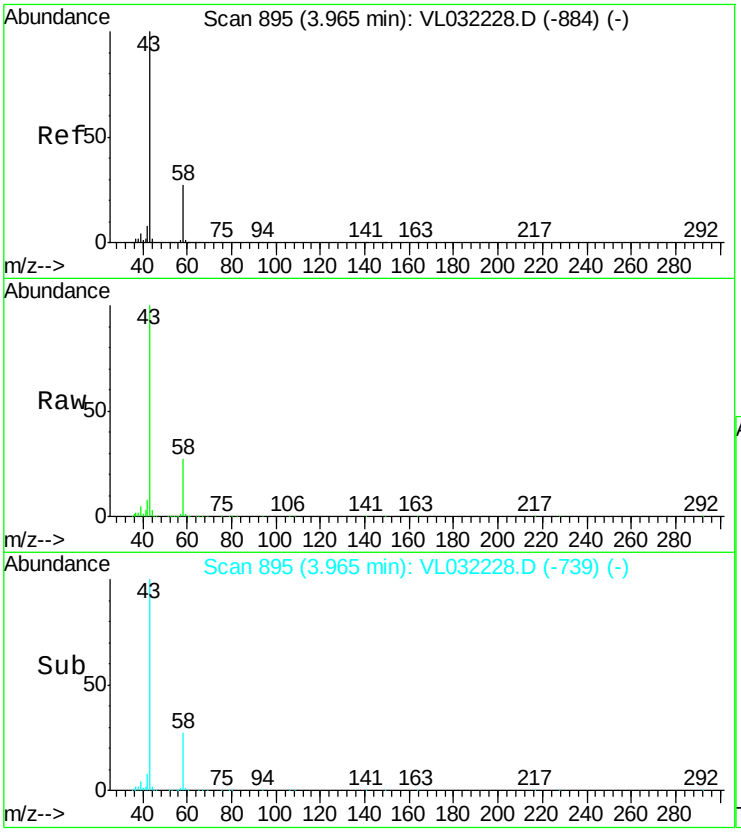


#14
Bromoethene
Concen: 8.845 ppbv
RT: 3.85 min Scan# 859
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion:108 Resp: 701819

Ion	Ratio	Lower	Upper
108	100		
106	106.8	85.5	128.3
79	17.8	14.2	21.4



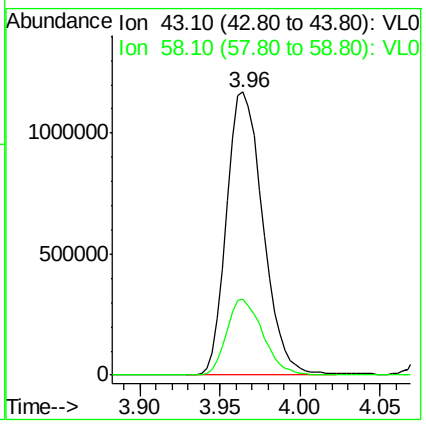


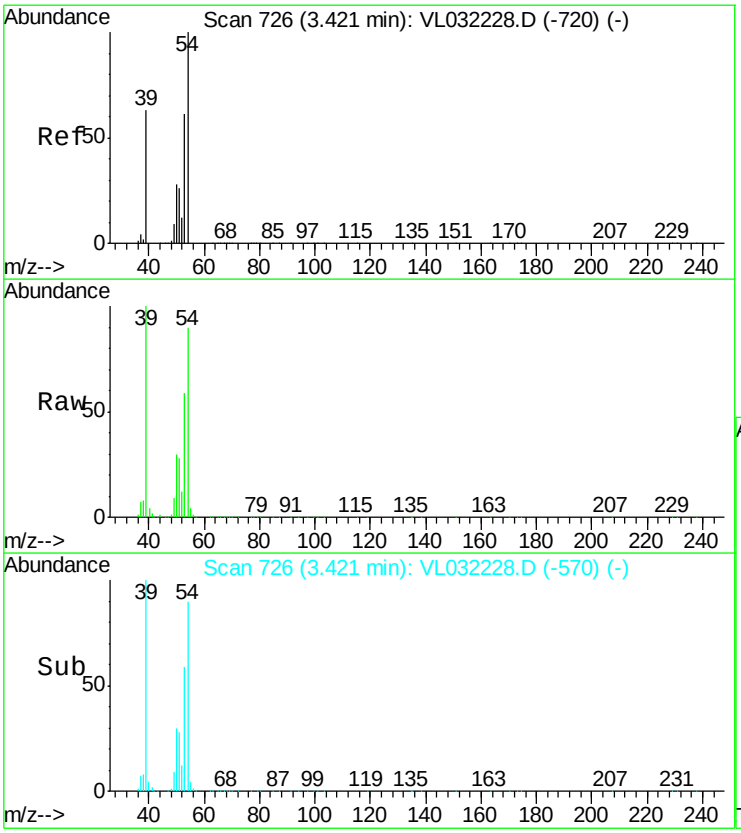
#15
Acetone
Concen: 8.741 ppbv
RT: 3.96 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 1814249

Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.5	32.3

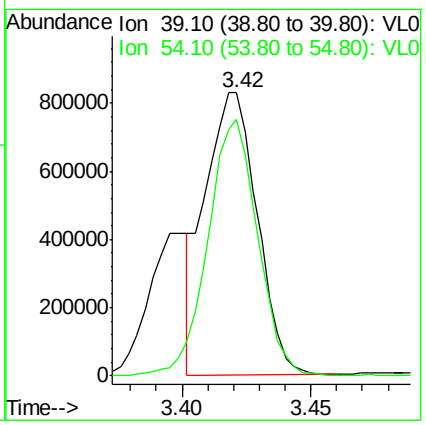


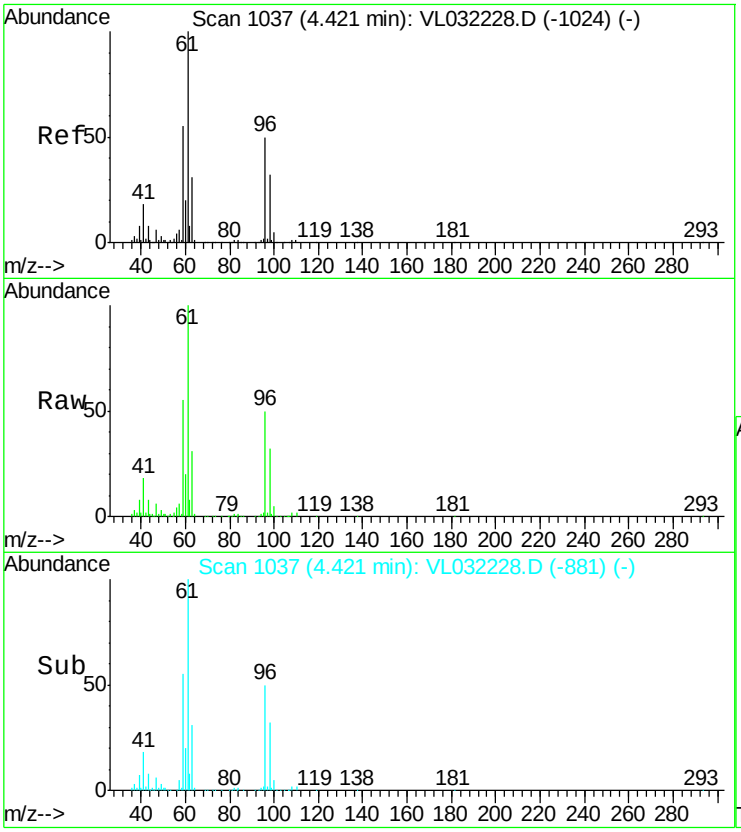


#16
1,3-Butadiene
Concen: 11.235 ppbv
RT: 3.42 min Scan# 726
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 39 Resp: 1160165

Ion	Ratio	Lower	Upper
39	100		
54	87.5	70.0	105.0



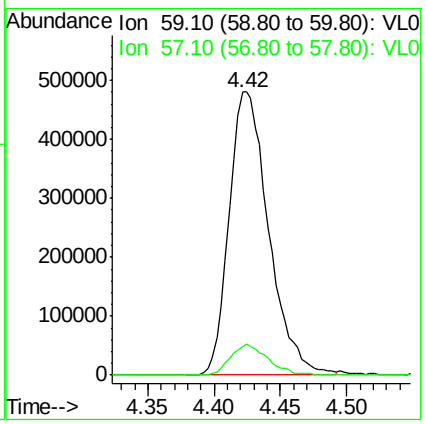


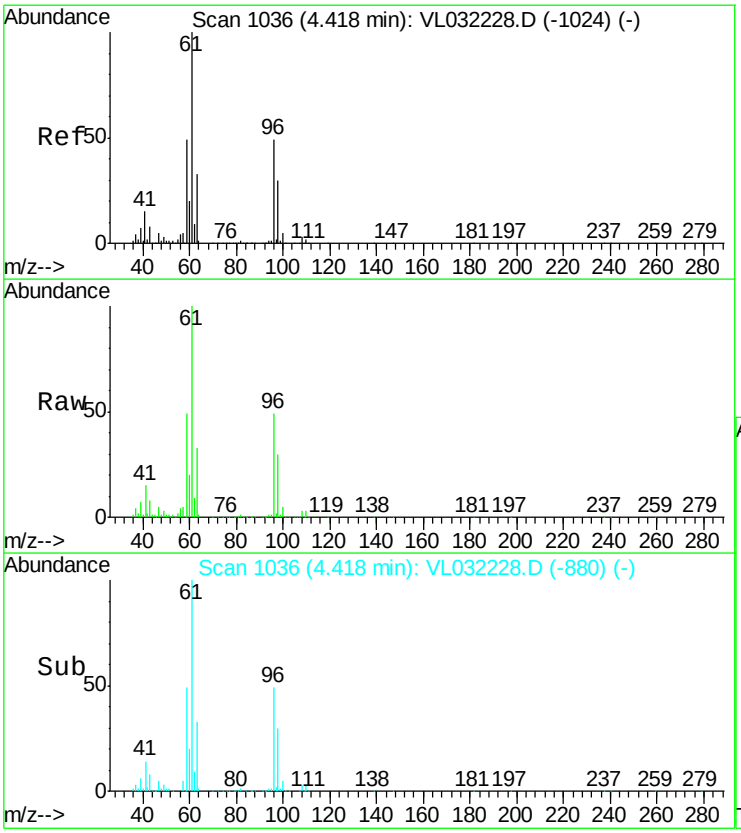
#17
tert-Butyl alcohol
Concen: 7.856 ppbv
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 59 Resp: 996698

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

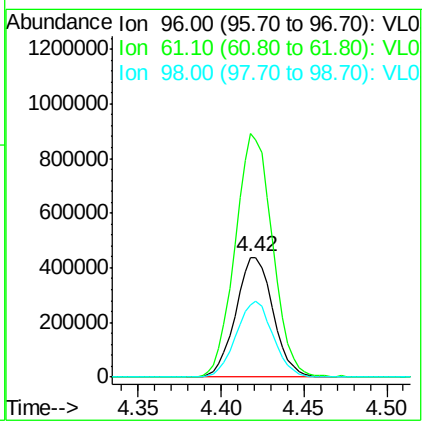


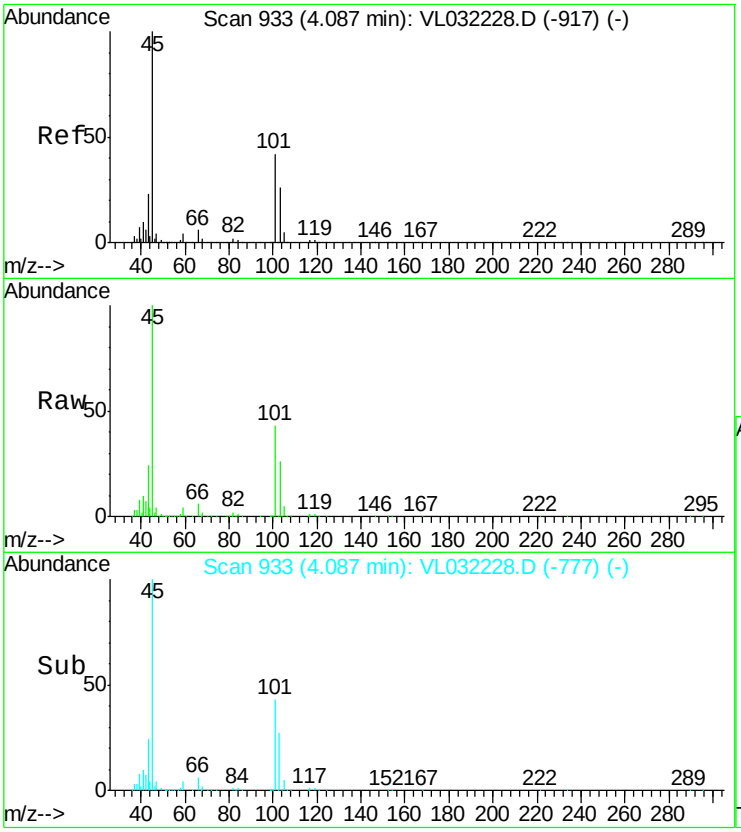


#18
1,1-Dichloroethene
Concen: 8.614 ppbv
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 96 Resp: 683880

Ion	Ratio	Lower	Upper
96	100		
61	203.7	163.0	244.4
98	60.6	48.5	72.7



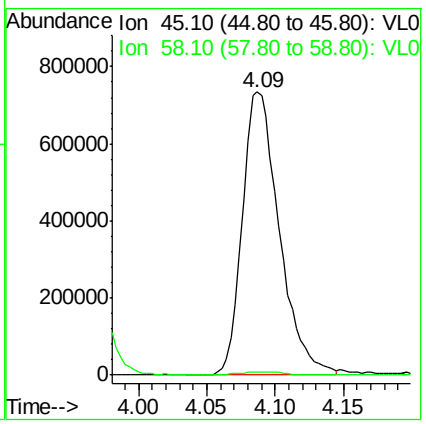


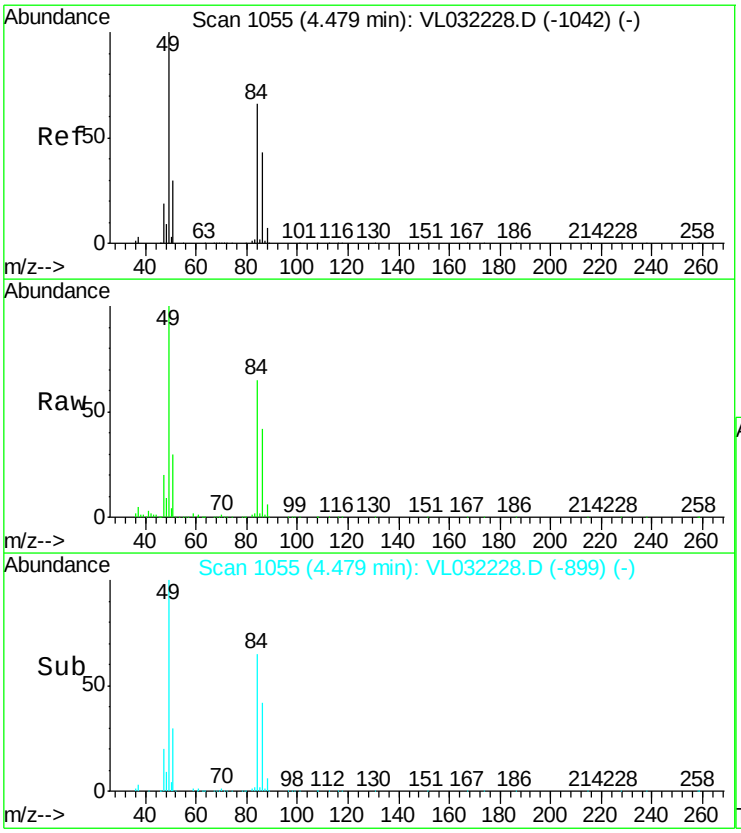
#19
Isopropyl Alcohol
Concen: 8.214 ppbv
RT: 4.09 min Scan# 933
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 45 Resp: 1376656

Ion	Ratio	Lower	Upper
45	100		
58	1.9	1.3	1.9

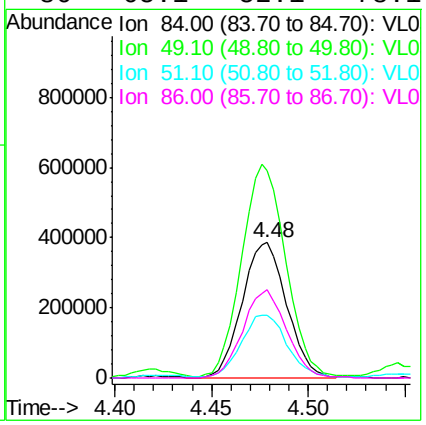


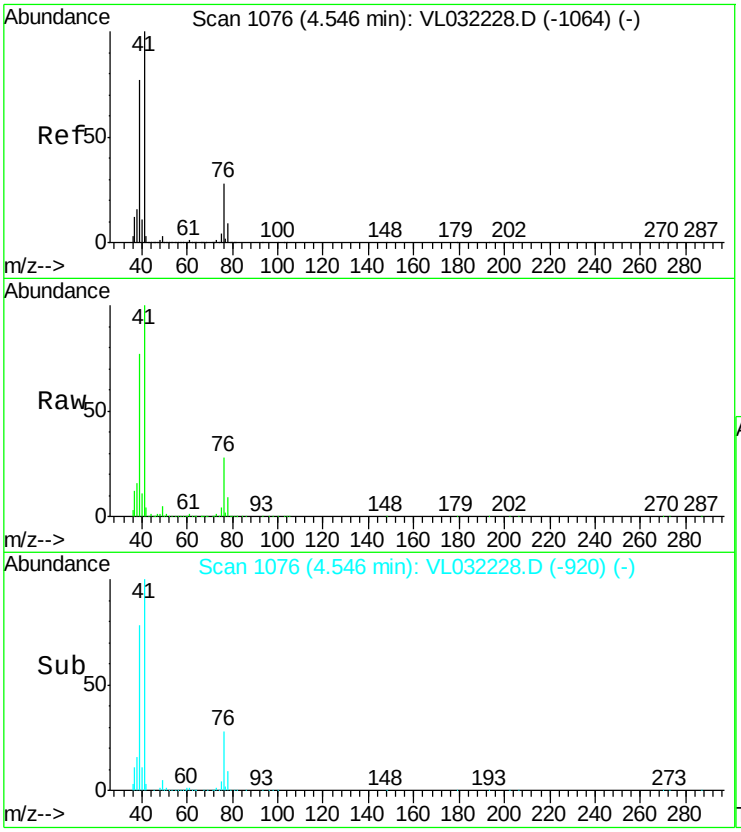


#20
Methylene Chloride
Concen: 8.153 ppbv
RT: 4.48 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 84 Resp: 614855

Ion	Ratio	Lower	Upper
84	100		
49	152.2	121.8	182.6
51	45.4	36.3	54.5
86	65.1	52.1	78.1



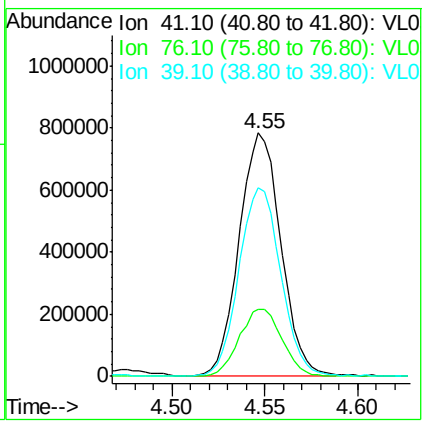


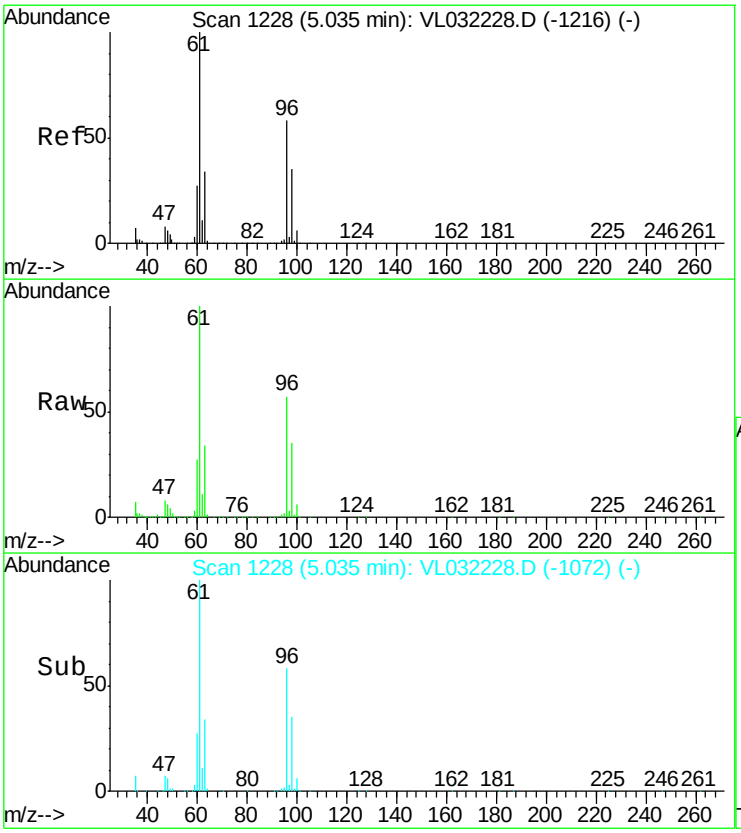
#21
Allyl Chloride
Concen: 8.730 ppbv
RT: 4.55 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 1217342

Ion	Ratio	Lower	Upper
41	100		
76	28.6	22.9	34.3
39	78.0	62.3	93.5

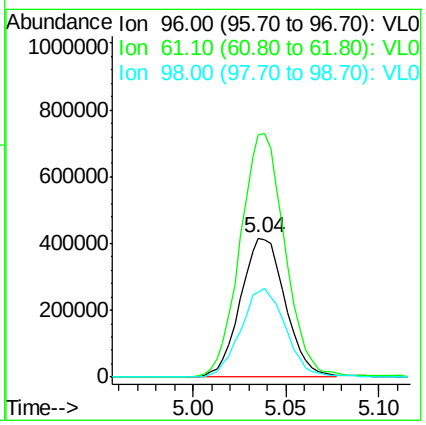


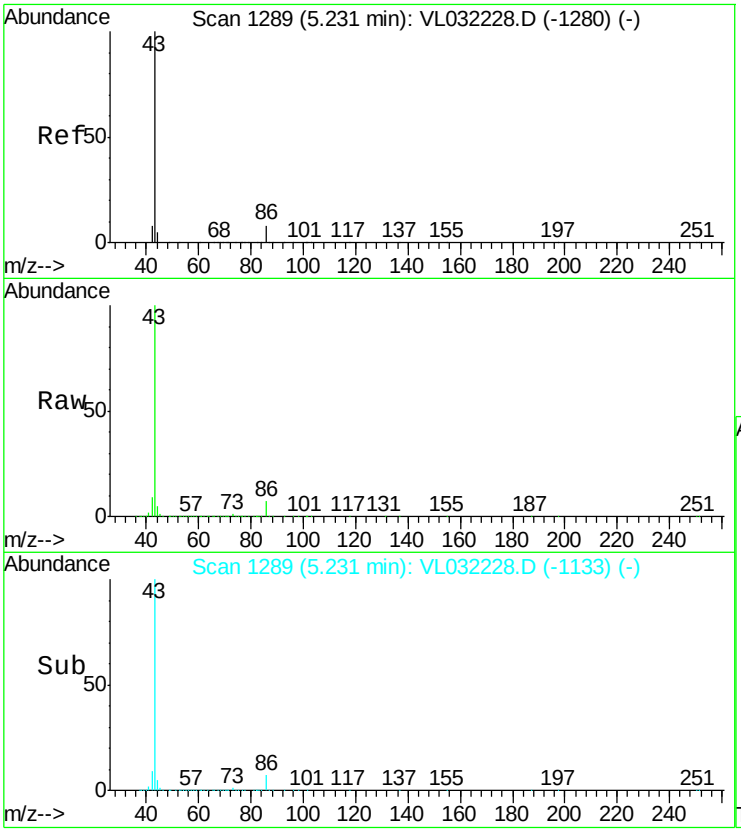


#22
trans-1,2-Dichloroethene
Concen: 8.357 ppbv
RT: 5.04 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 96 Resp: 699861

Ion	Ratio	Lower	Upper
96	100		
61	173.9	139.1	208.7
98	60.5	48.4	72.6



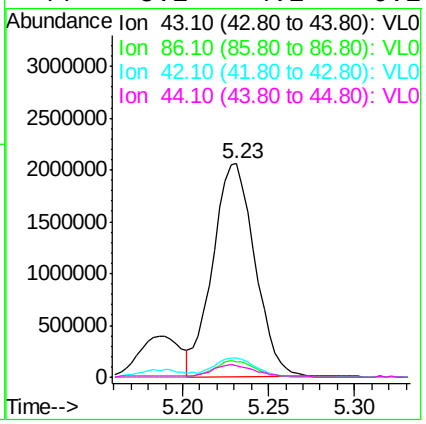


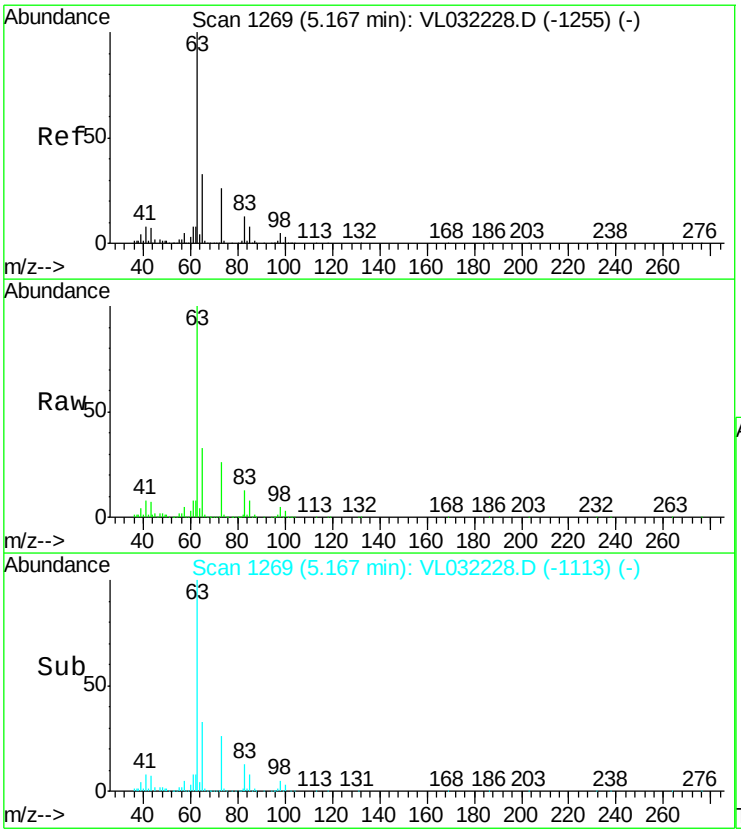
#23
Vinyl Acetate
Concen: 9.317 ppbv
RT: 5.23 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 3517971

Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.9	8.9
42	8.8	7.0	10.6
44	5.2	4.2	6.2

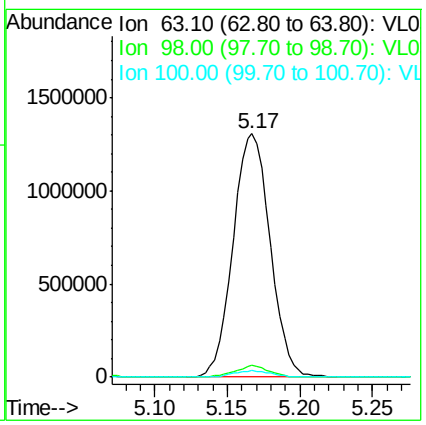


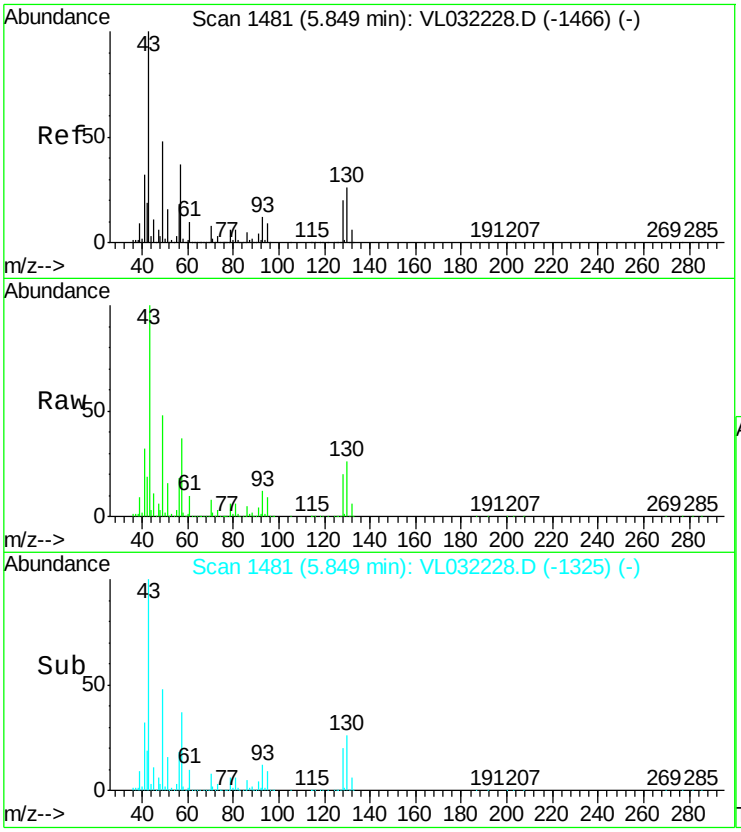


#24
1,1-Dichloroethane
Concen: 9.474 ppbv
RT: 5.17 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 63 Resp: 2314454

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.4	7.1
100	2.9	1.5	4.4



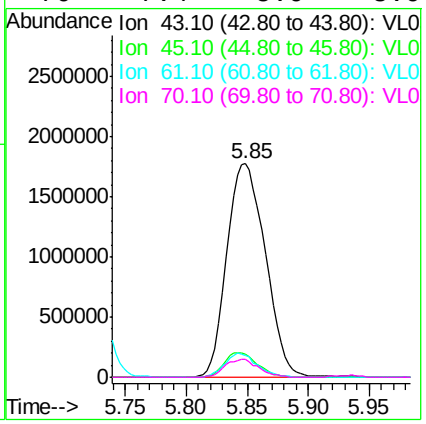


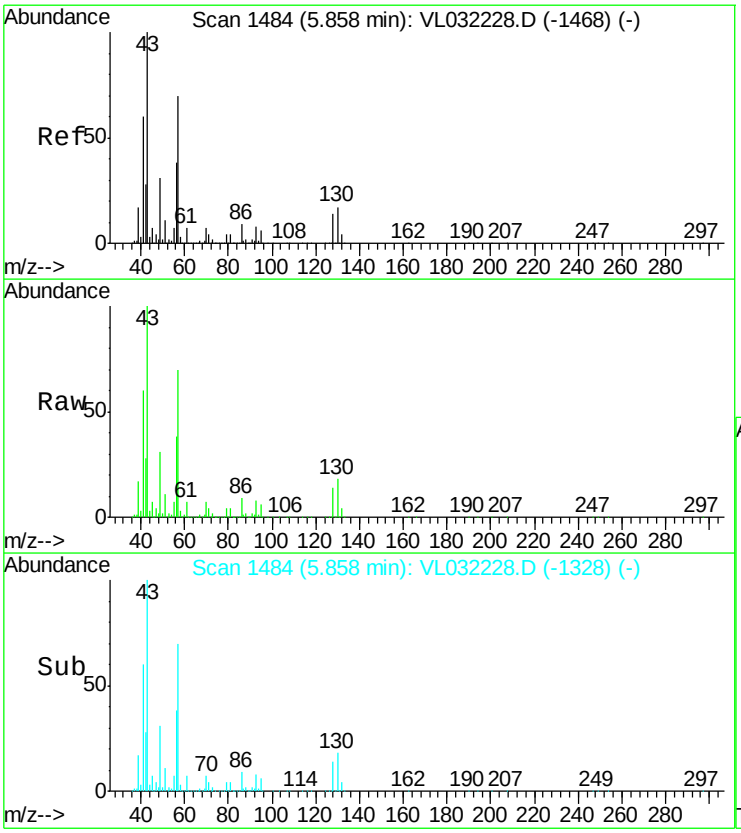
#25
Ethyl Acetate
Concen: 9.013 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 3883747

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.6	7.7	11.5
70	7.4	5.9	8.9

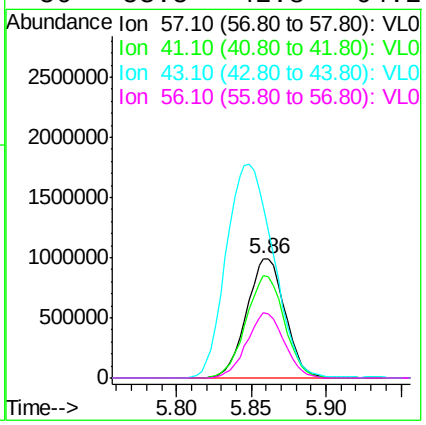


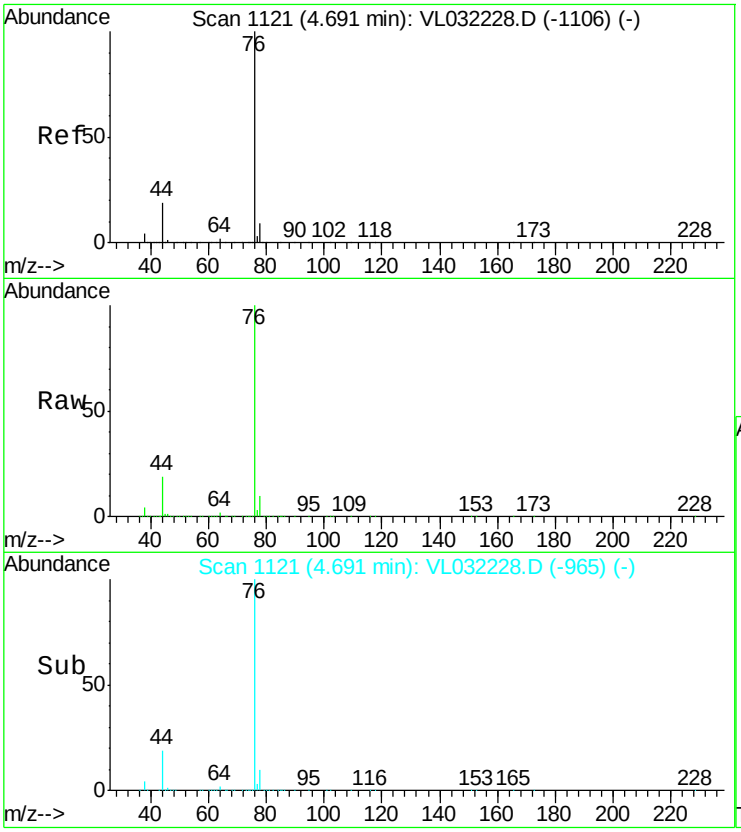


#26
Hexane
Concen: 8.895 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 57 Resp: 1770053

Ion	Ratio	Lower	Upper
57	100		
41	85.7	68.7	103.1
43	220.7	176.2	264.2
56	53.5	42.8	64.2



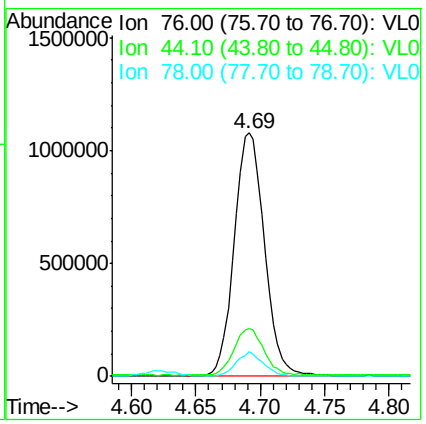


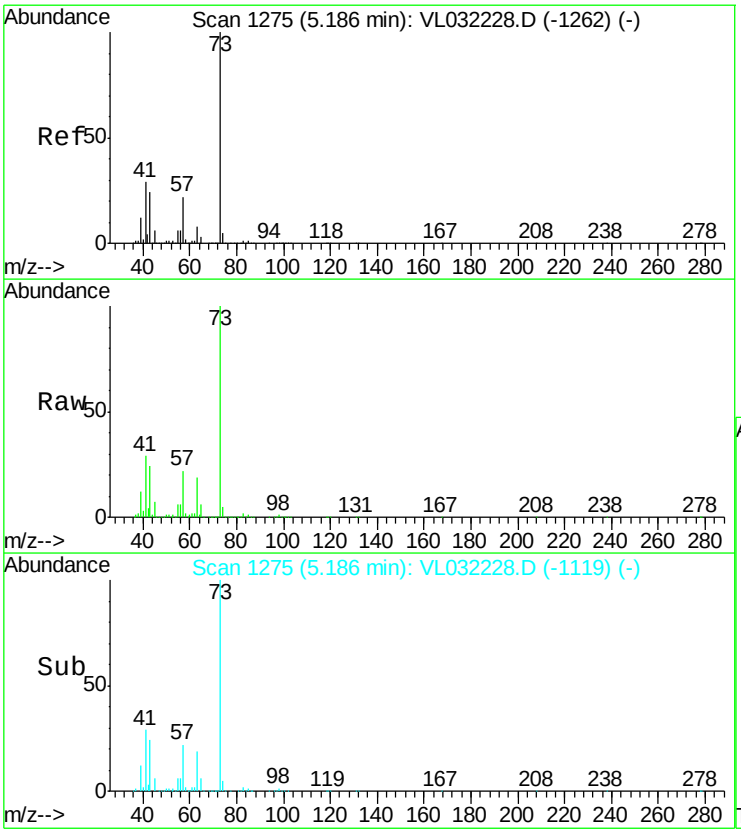
#27
Carbon Disulfide
Concen: 9.102 ppbv
RT: 4.69 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 76 Resp: 1762756

Ion	Ratio	Lower	Upper
76	100		
44	20.0	15.1	22.7
78	9.2	7.4	11.0

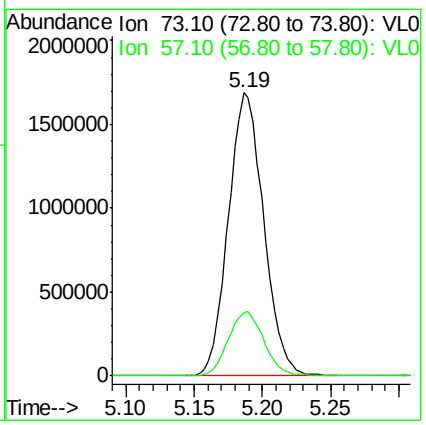


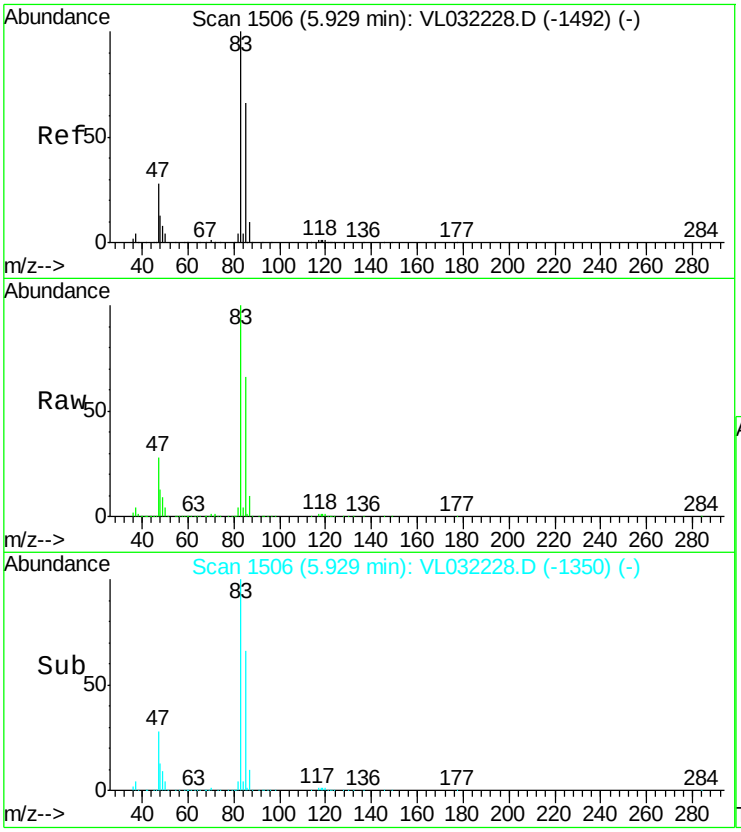


#28
Methyl tert-Butyl Ether
Concen: 8.757 ppbv
RT: 5.19 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 73 Resp: 3035116

Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.6	27.8



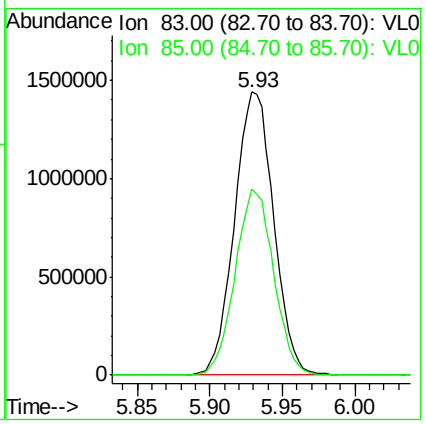


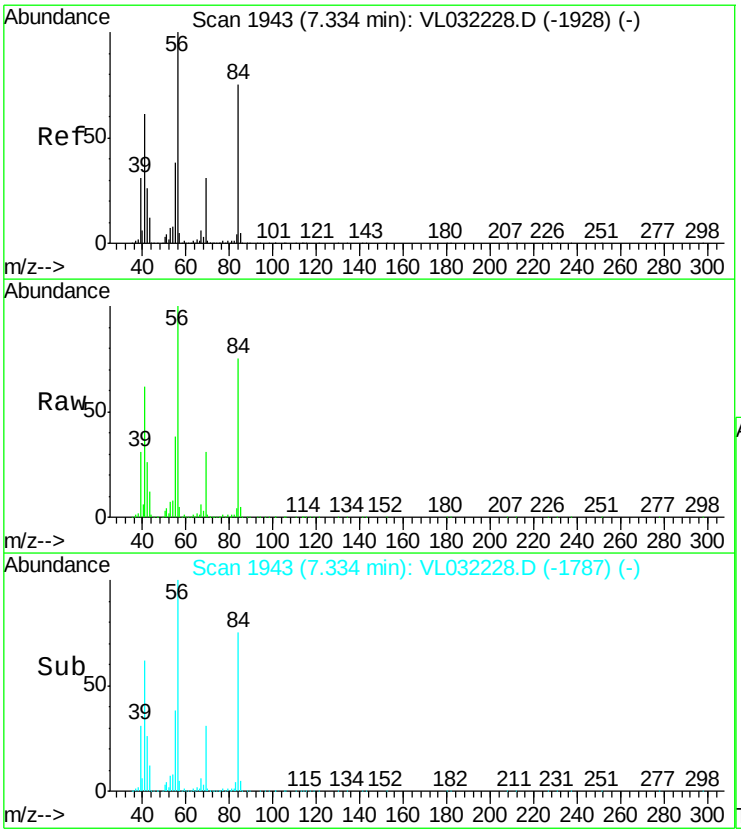
#29
Chloroform
Concen: 9.293 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 2694380

Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.7	79.1

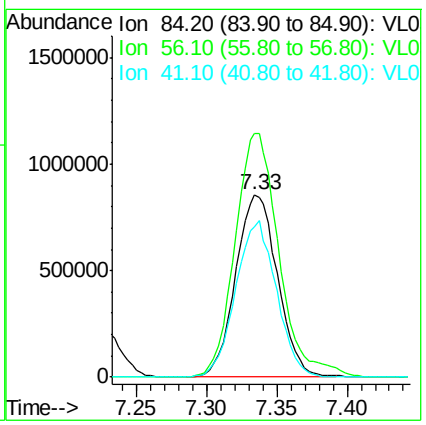


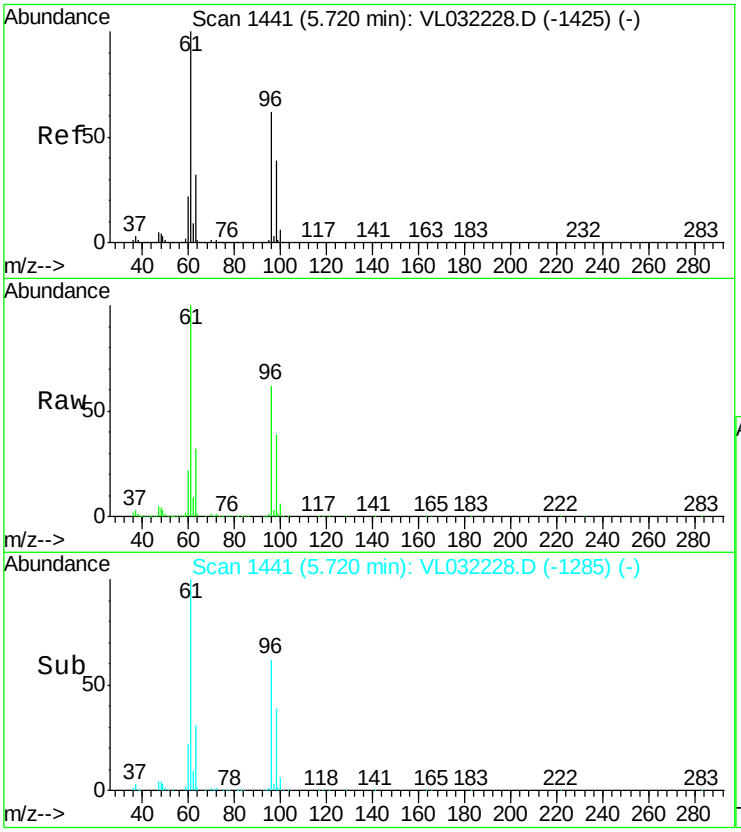


#30
Cyclohexane
Concen: 9.338 ppbv
RT: 7.33 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 84 Resp: 1775741

Ion	Ratio	Lower	Upper
84	100		
56	140.7	112.6	168.8
41	83.8	67.0	100.6



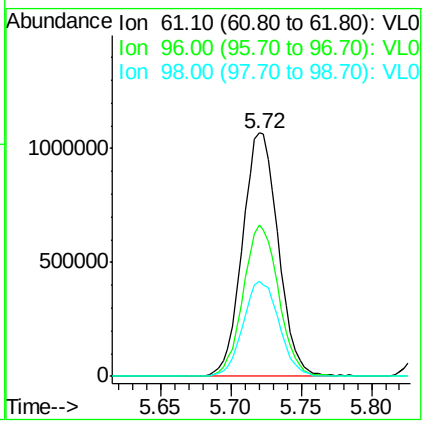


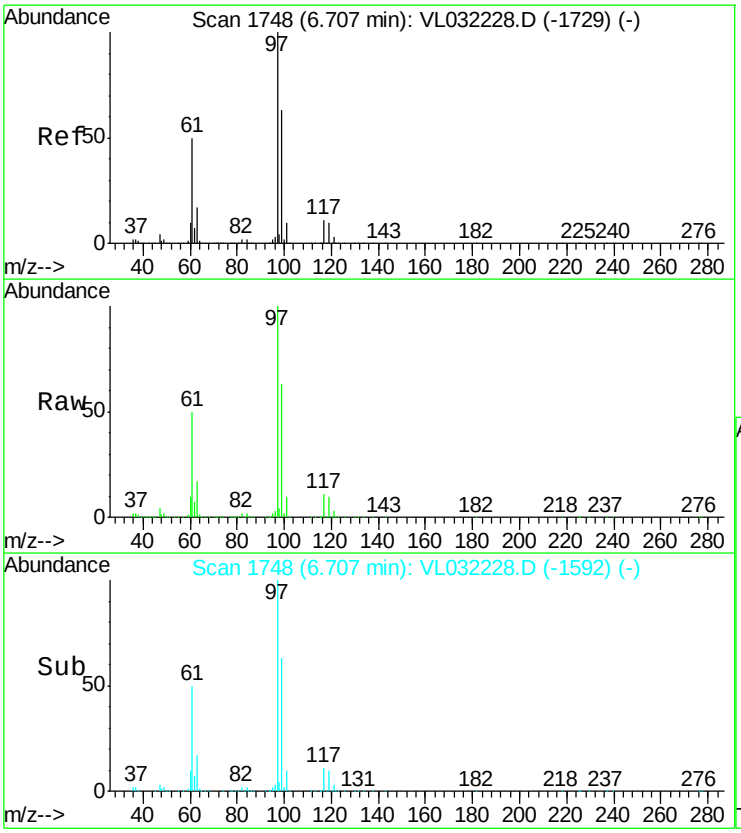
#31
cis-1,2-Dichloroethene
Concen: 9.505 ppbv
RT: 5.72 min Scan# 1441
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 1899507

Ion	Ratio	Lower	Upper
61	100		
96	62.3	49.8	74.8
98	39.3	31.4	47.2

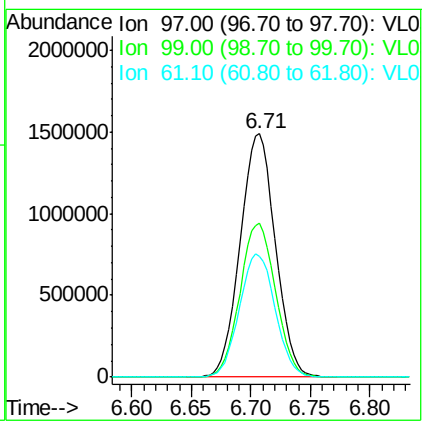


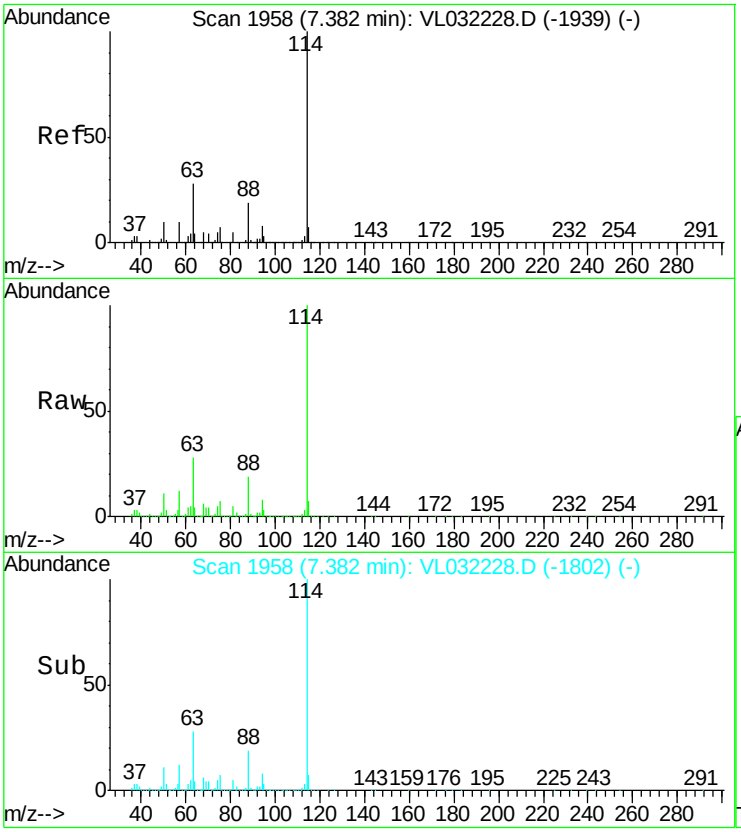


#32
1,1,1-Trichloroethane
Concen: 9.915 ppbv
RT: 6.71 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 97 Resp: 3056631

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.2	76.8
61	51.5	41.3	61.9



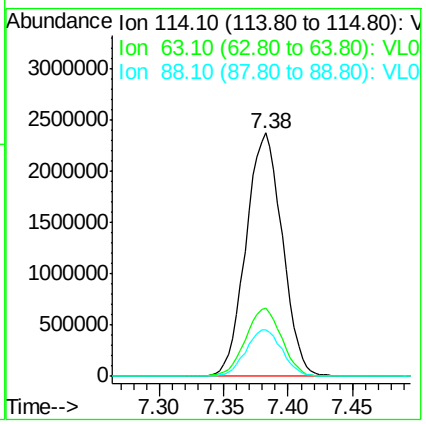


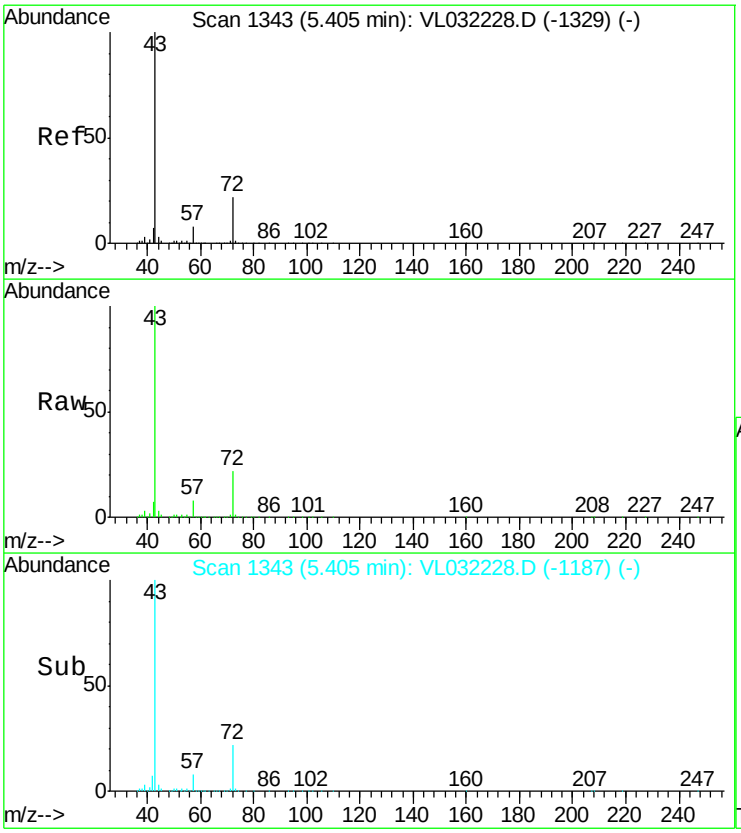
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.38 min Scan# 1958
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 4650255

Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.5	33.7
88	19.1	15.4	23.0

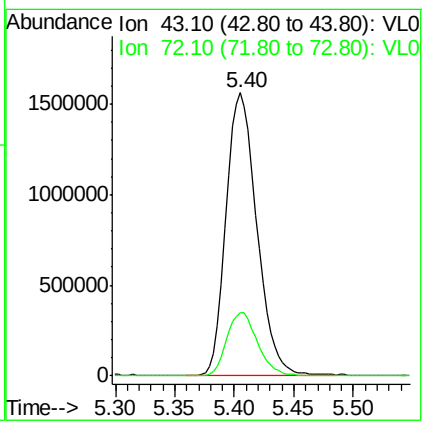


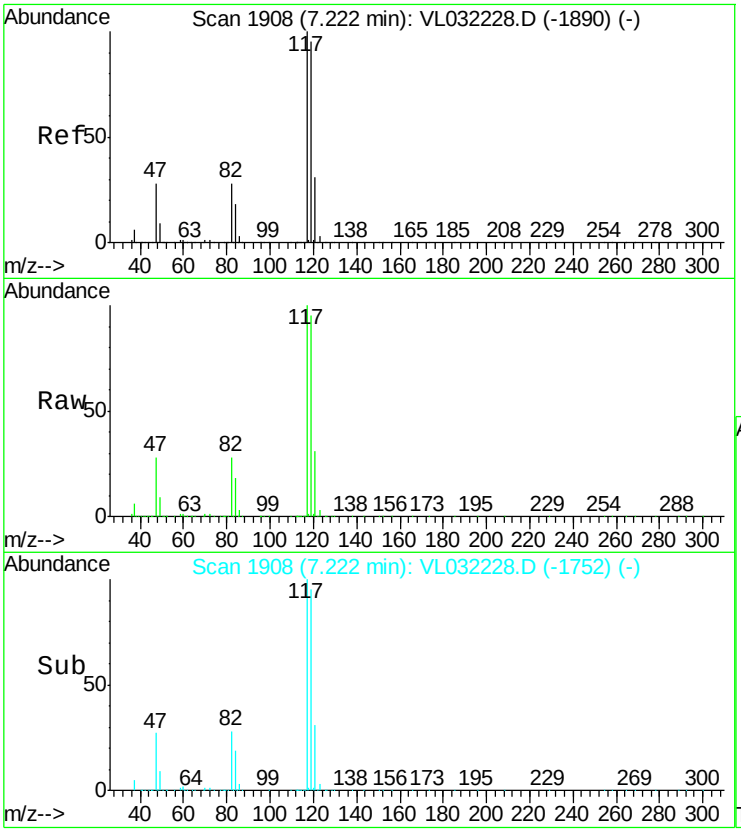


#34
2-Butanone
Concen: 9.497 ppbv
RT: 5.40 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 43 Resp: 2799317

Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.1	27.1



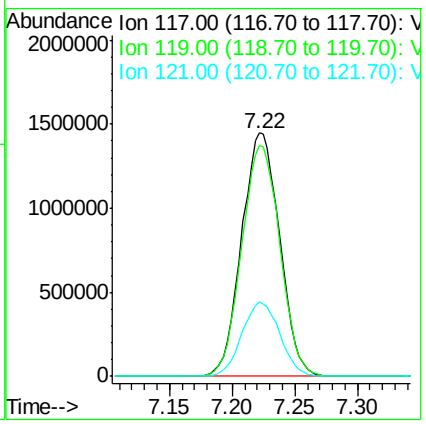


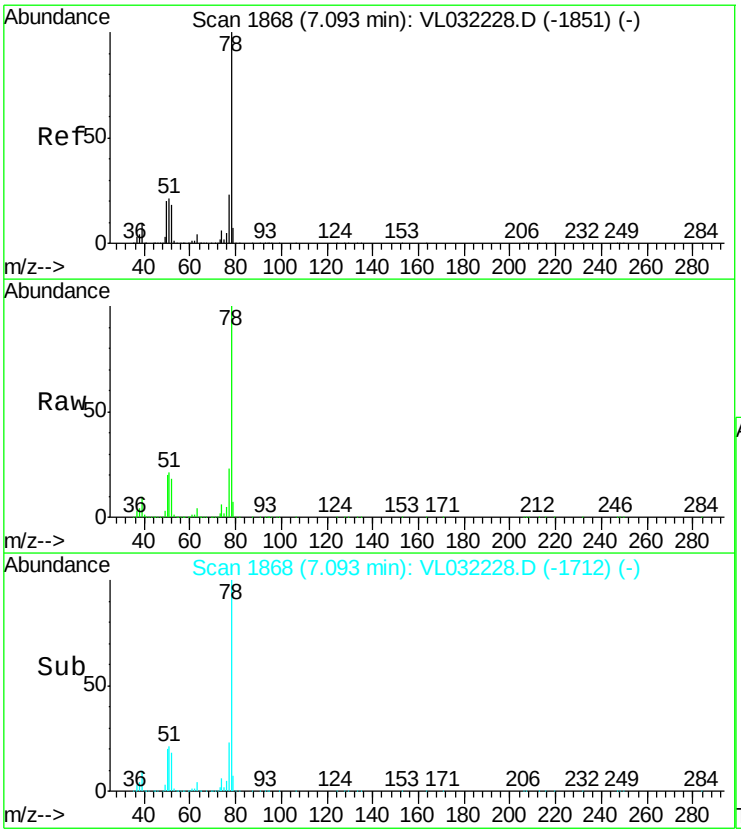
#35
Carbon Tetrachloride
Concen: 9.486 ppbv
RT: 7.22 min Scan# 1908
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 3052010

Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.7	113.5
121	30.8	24.6	37.0

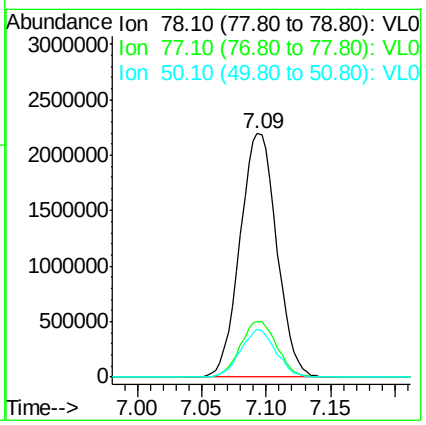


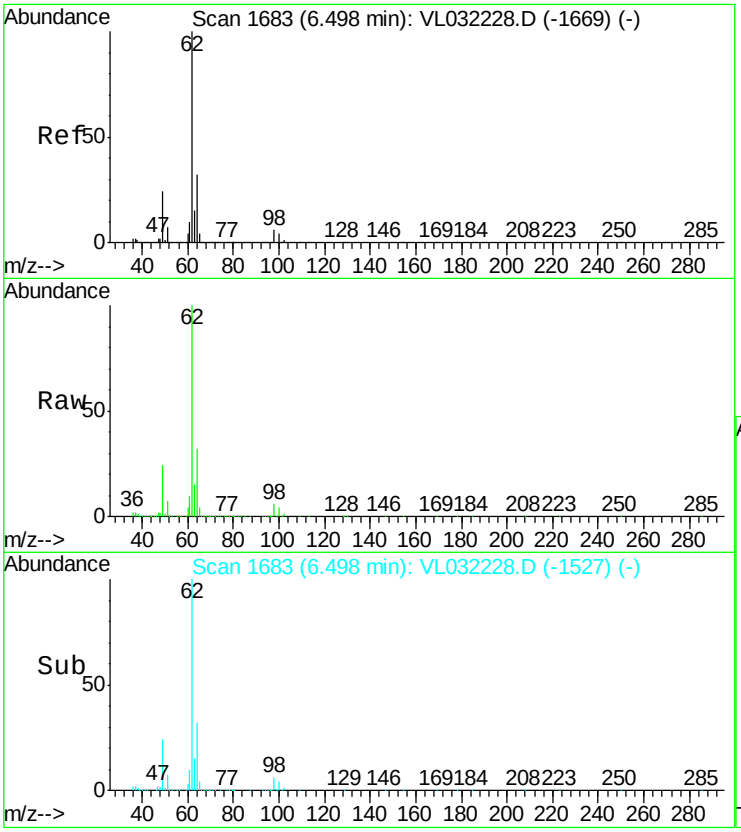


#36
Benzene
Concen: 9.521 ppbv
RT: 7.09 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 78 Resp: 4355113

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.0	27.0
50	19.8	15.8	23.8



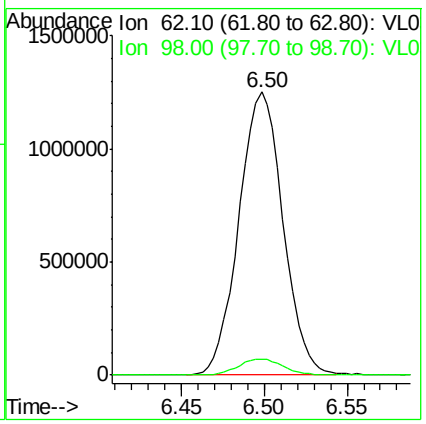


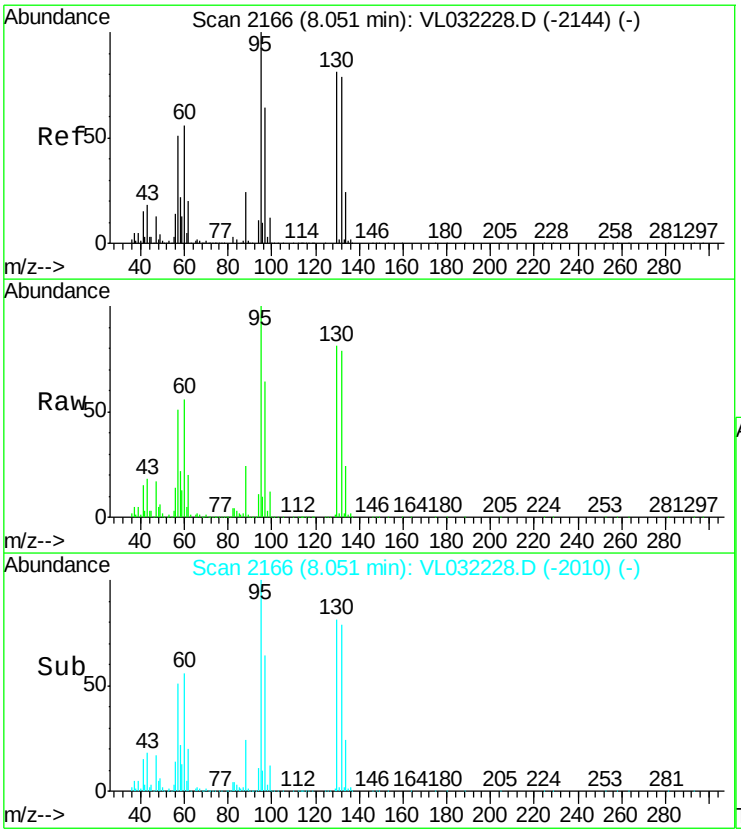
#37
1,2-Dichloroethane
Concen: 10.114 ppbv
RT: 6.50 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 62 Resp: 2316247

Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.6	7.0

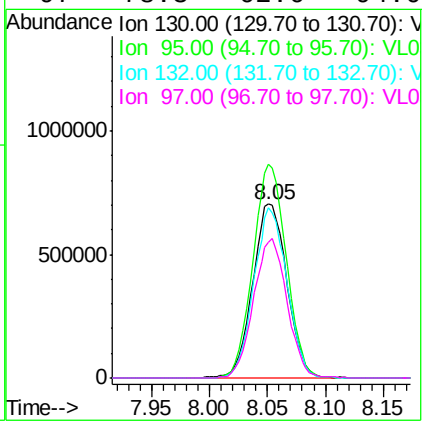


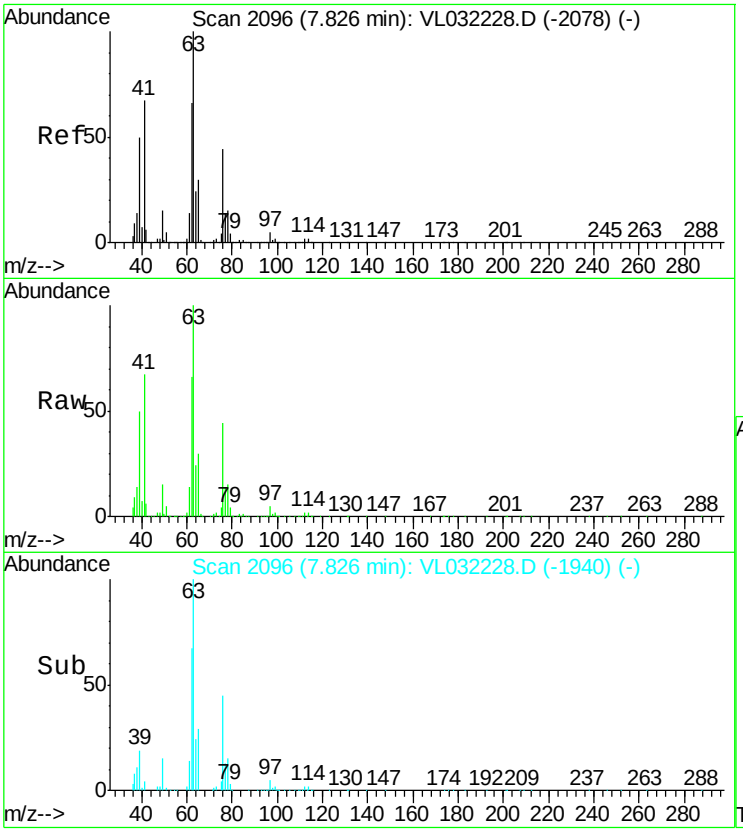


#38
Trichloroethene
Concen: 8.320 ppbv
RT: 8.05 min Scan# 2166
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion:130 Resp: 1439439

Ion	Ratio	Lower	Upper
130	100		
95	122.9	98.3	147.5
132	97.6	78.1	117.1
97	78.3	62.6	94.0



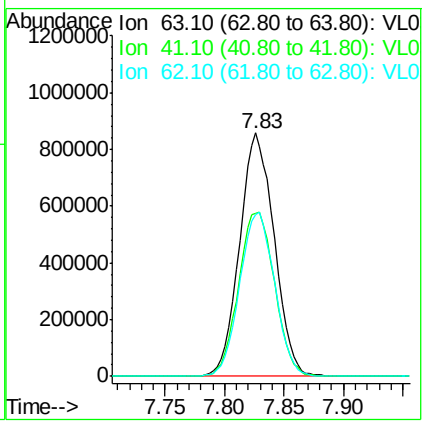


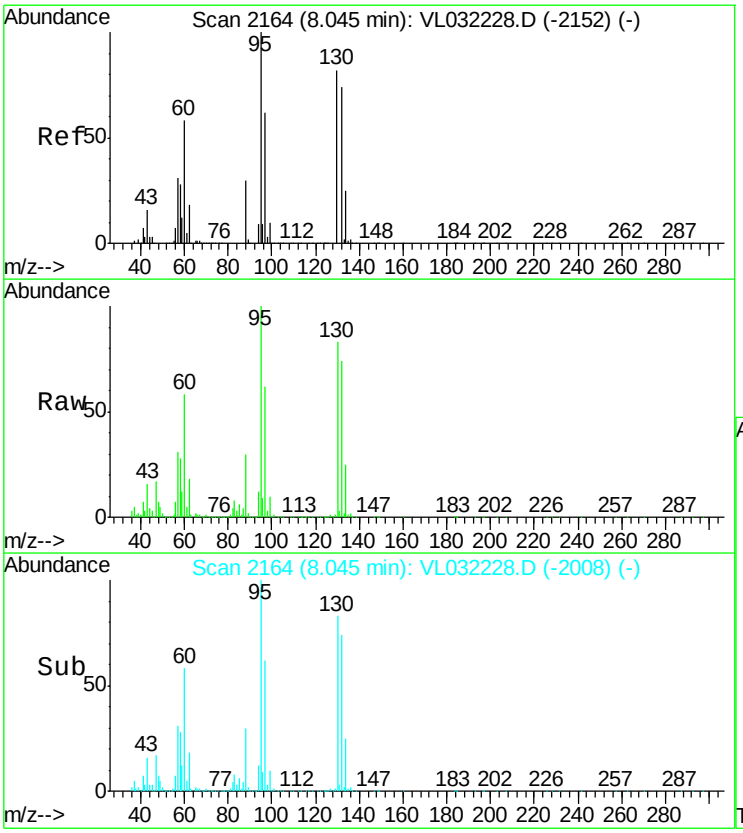
#39
1,2-Dichloropropane
Concen: 9.670 ppbv
RT: 7.83 min Scan# 2096
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 63 Resp: 1727343

Ion	Ratio	Lower	Upper
63	100		
41	67.2	53.8	80.6
62	66.4	53.1	79.7

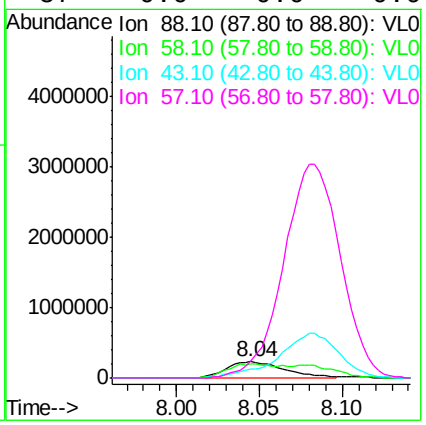


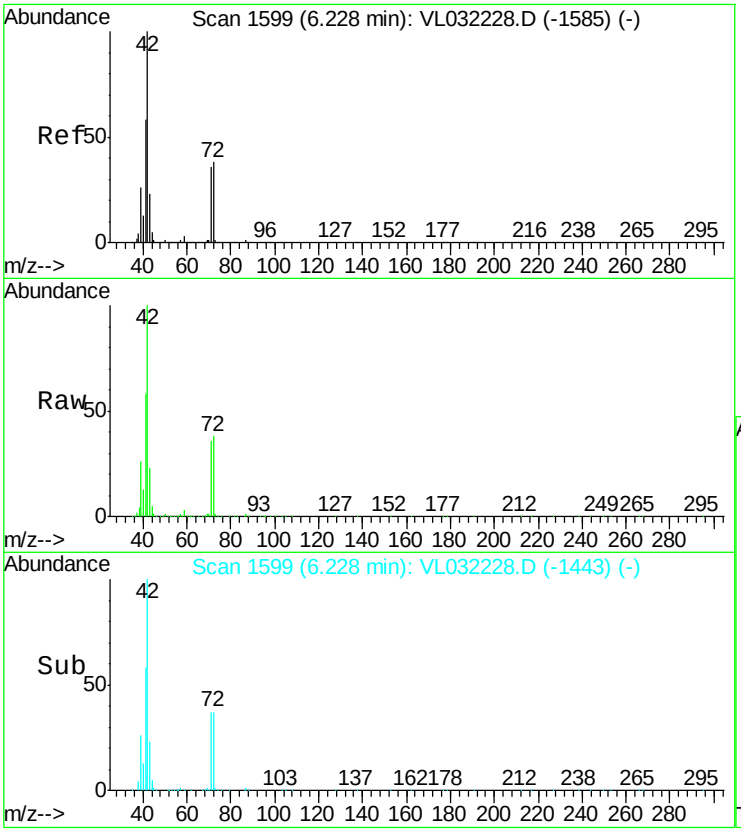


#40
1,4-Dioxane
Concen: 8.227 ppbv
RT: 8.04 min Scan# 2164
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 88 Resp: 550521

Ion	Ratio	Lower	Upper
88	100		
58	145.9	117.4	176.2
43	0.0	0.0	0.0
57	0.0	0.0	0.0



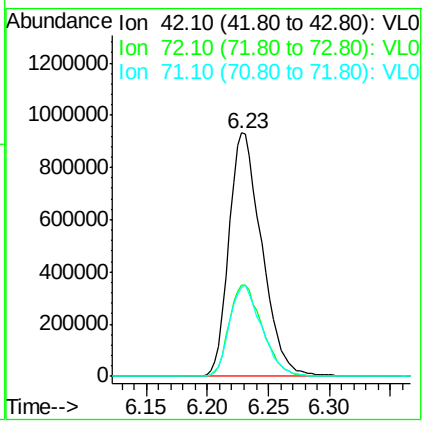


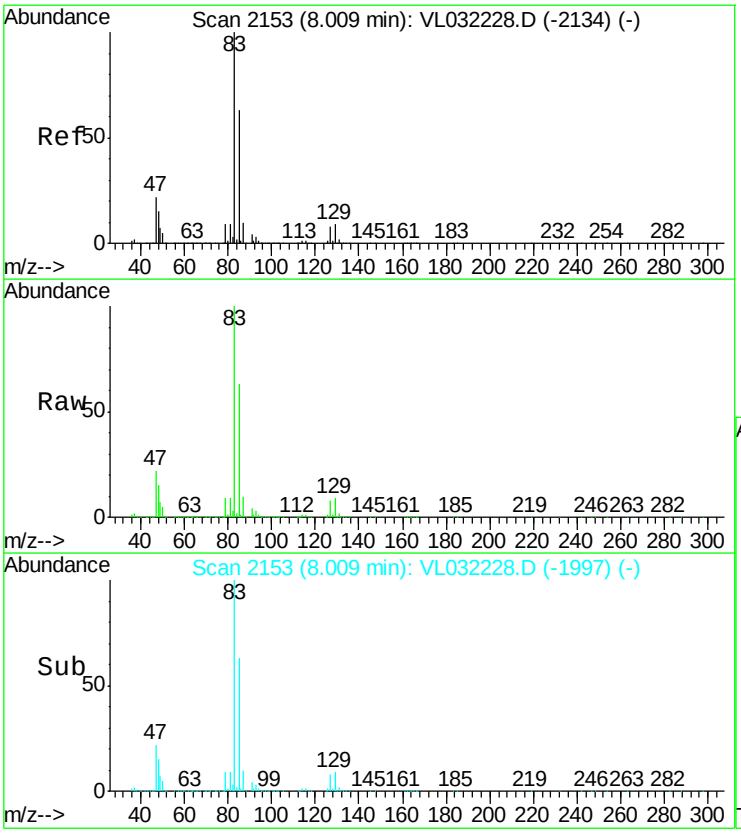
#41
Tetrahydrofuran
Concen: 9.788 ppbv
RT: 6.23 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 42 Resp: 1741339

Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.6	45.8
71	37.1	29.7	44.5

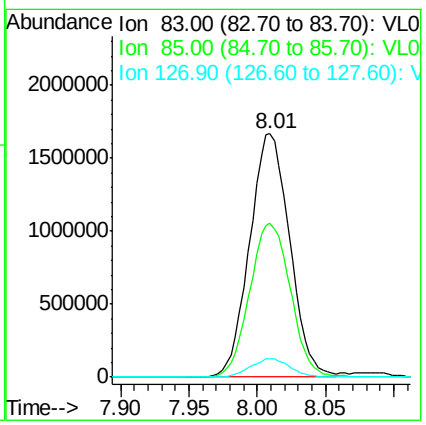


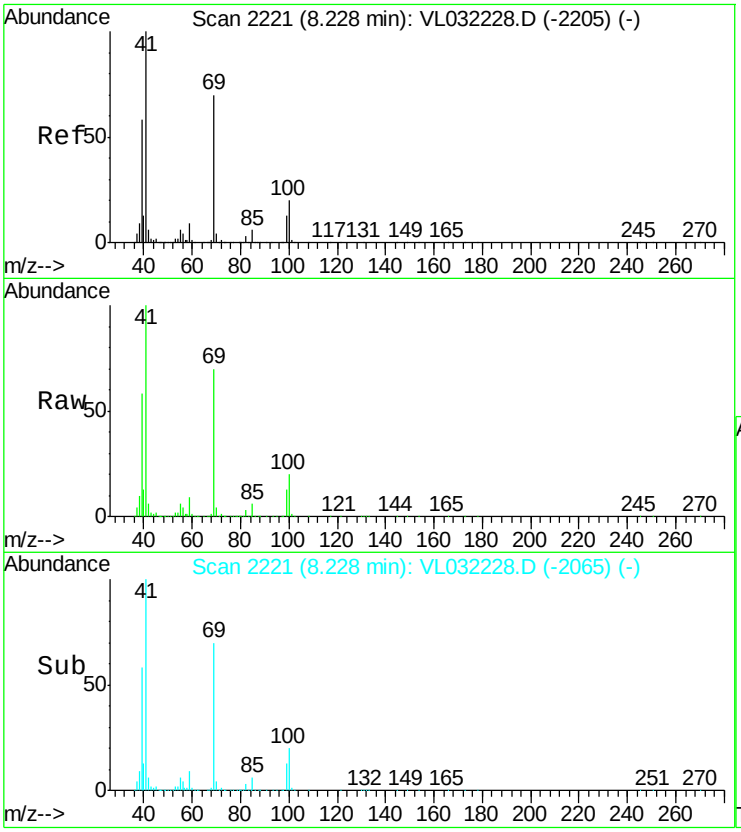


#42
Bromodichloromethane
Concen: 9.762 ppbv
RT: 8.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 83 Resp: 3404035

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	76.0
127	7.6	6.1	9.1



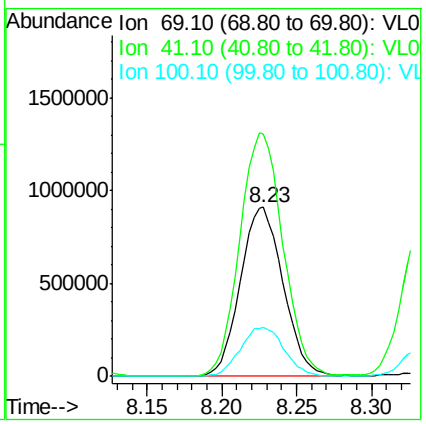


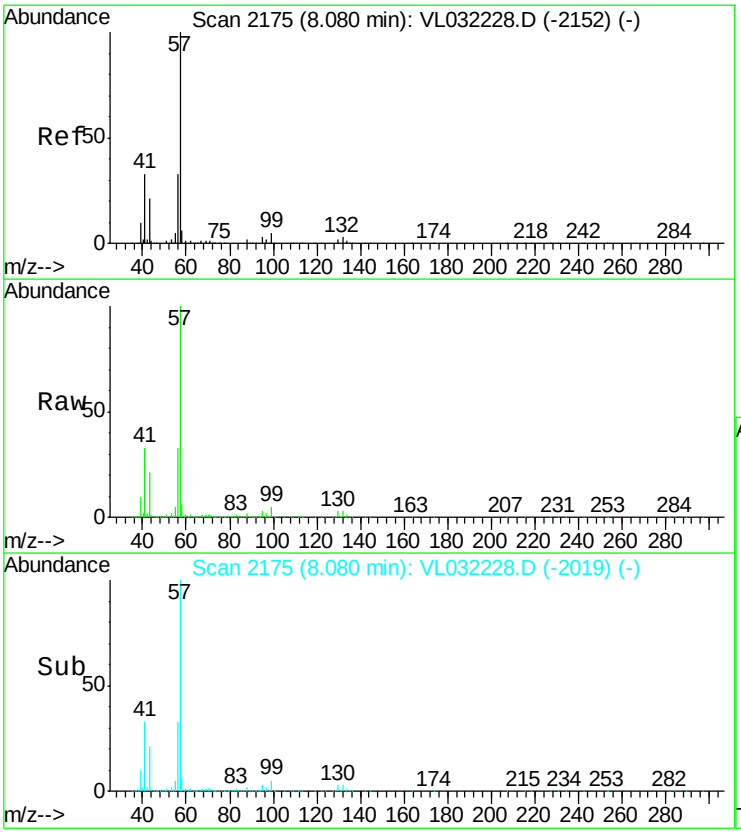
#43
Methyl Methacrylate
Concen: 9.800 ppbv
RT: 8.23 min Scan# 2221
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 1815652

Ion	Ratio	Lower	Upper
69	100		
41	145.4	116.3	174.5
100	29.8	23.8	35.8

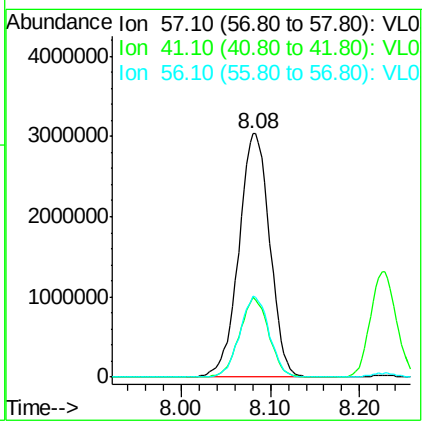


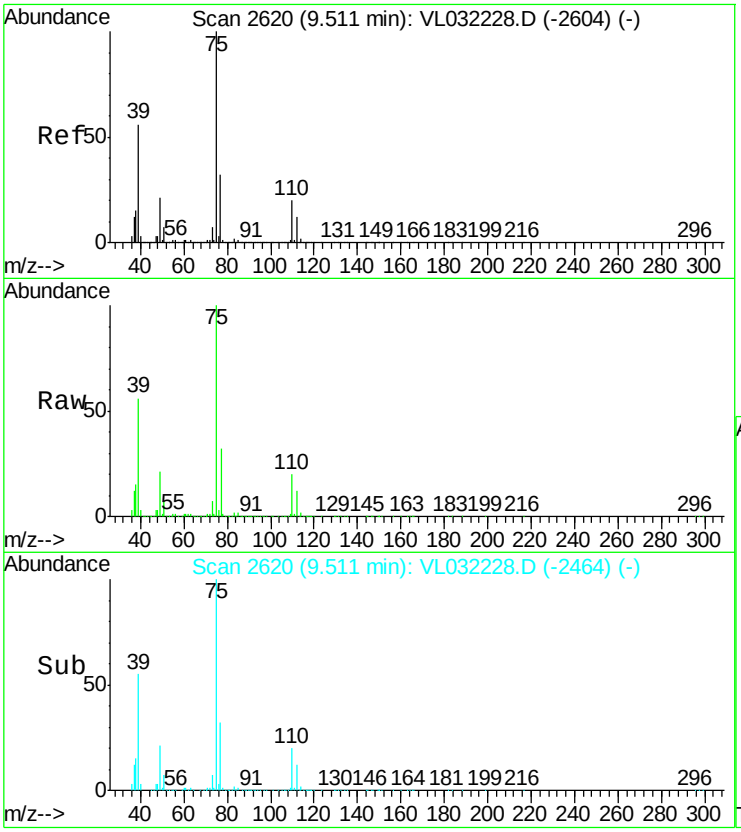


#44
2,2,4-Trimethylpentane
Concen: 9.317 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 57 Resp: 7290539

Ion	Ratio	Lower	Upper
57	100		
41	30.8	24.7	37.1
56	31.7	25.4	38.0



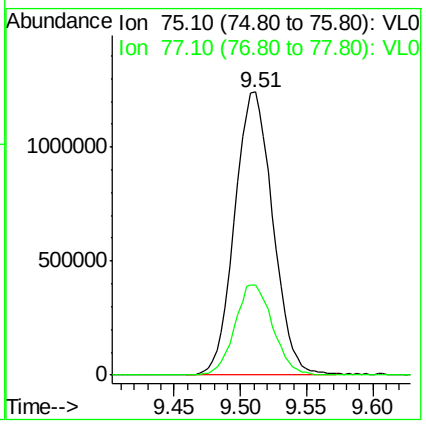


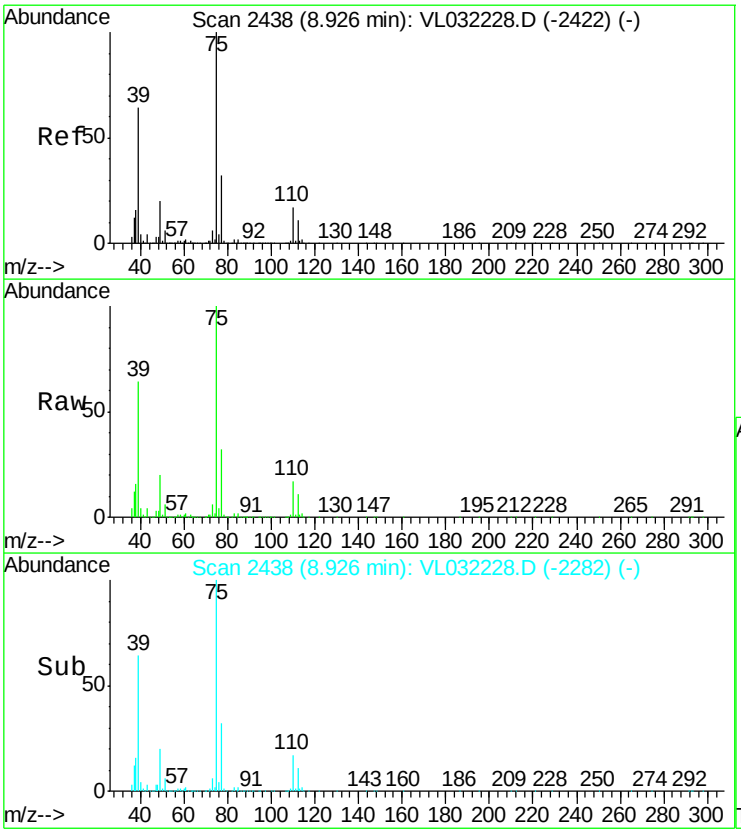
#45
t-1,3-Dichloropropene
Concen: 10.725 ppbv
RT: 9.51 min Scan# 2620
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 2483862

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3

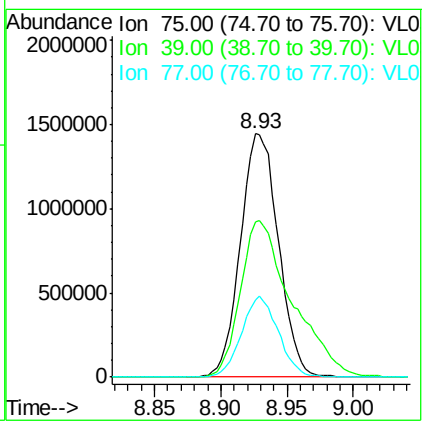


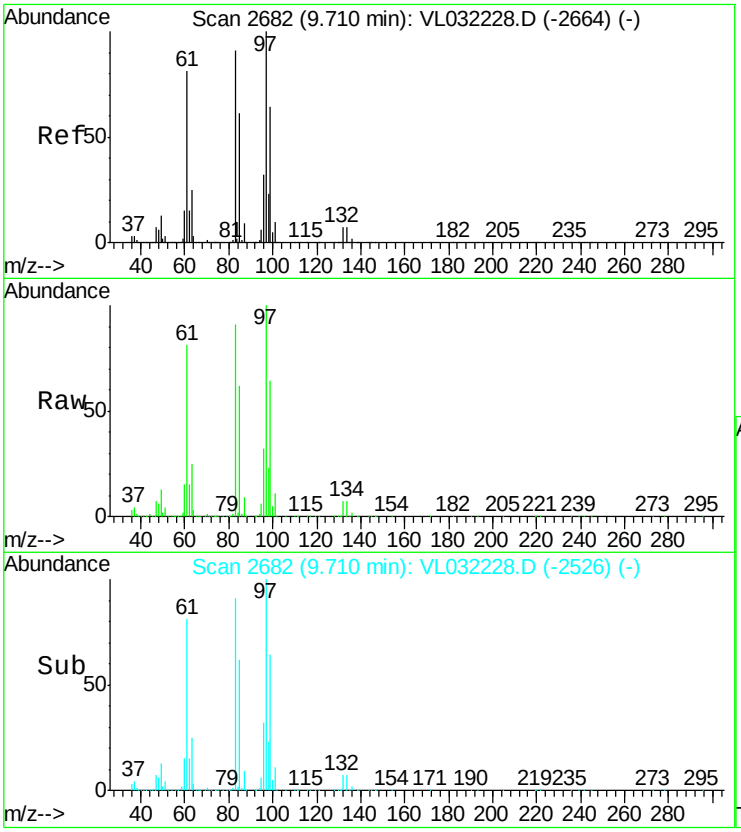


#46
cis-1,3-Dichloropropene
Concen: 10.323 ppbv
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 75 Resp: 2879204

Ion	Ratio	Lower	Upper
75	100		
39	63.6	50.9	76.3
77	31.6	25.3	37.9



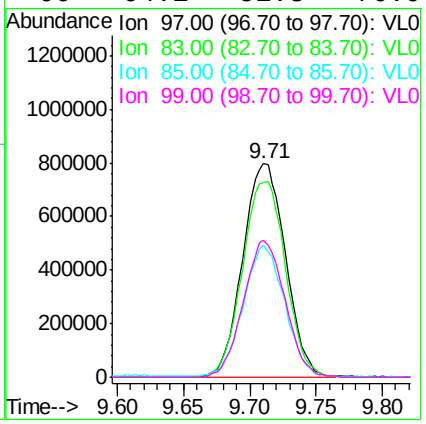


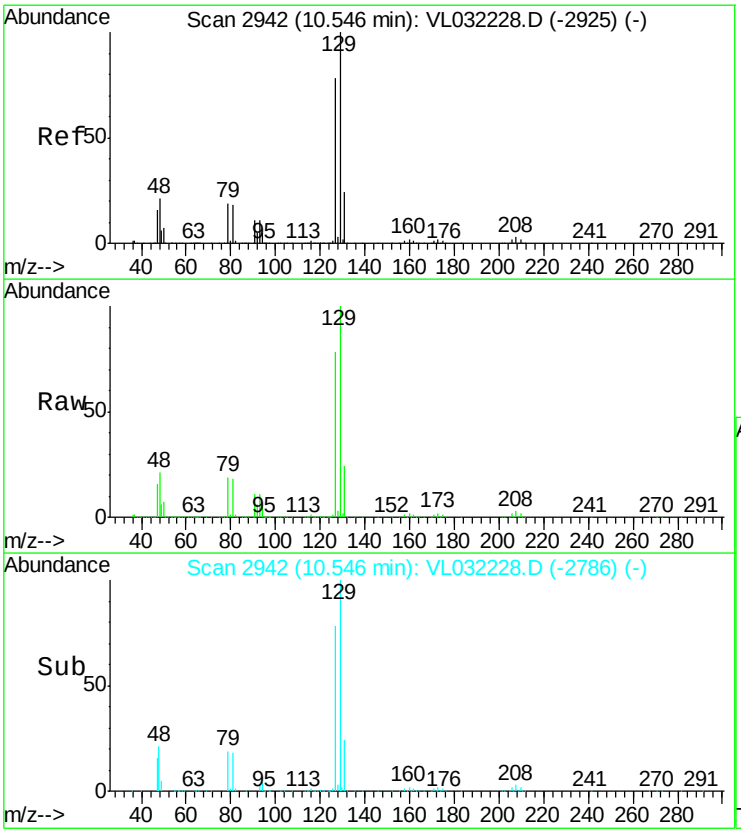
#47
1,1,2-Trichloroethane
Concen: 9.663 ppbv
RT: 9.71 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 1783492

Ion	Ratio	Lower	Upper
97	100		
83	91.1	72.9	109.3
85	61.6	49.3	73.9
99	64.1	51.3	76.9

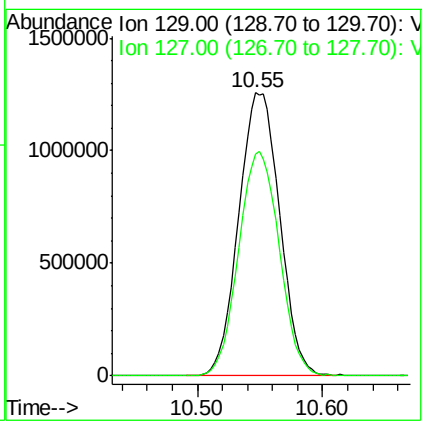


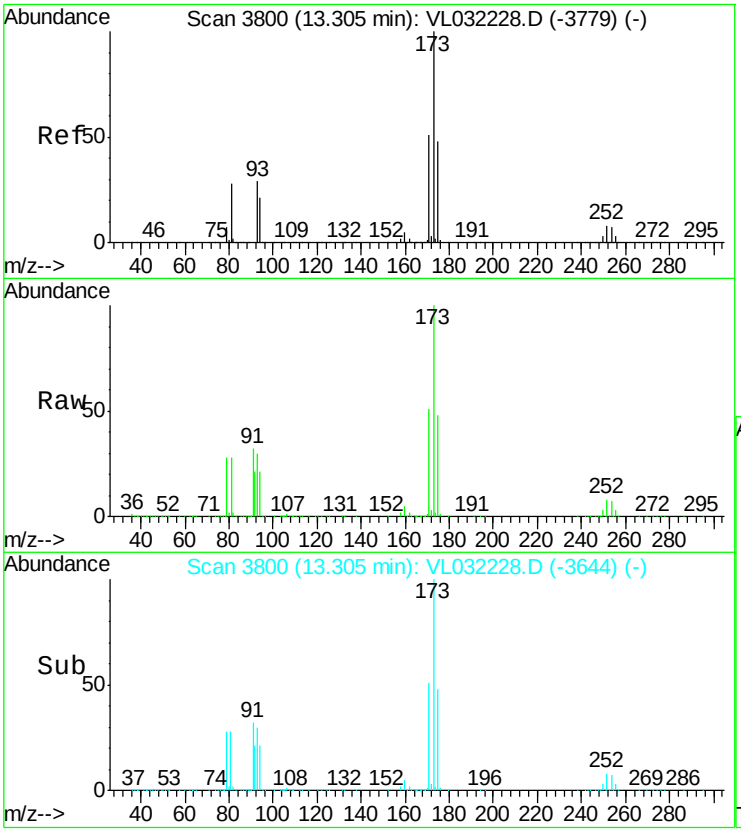


#48
Dibromochloromethane
Concen: 10.063 ppbv
RT: 10.55 min Scan# 2942
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion:129 Resp: 2860096

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.9



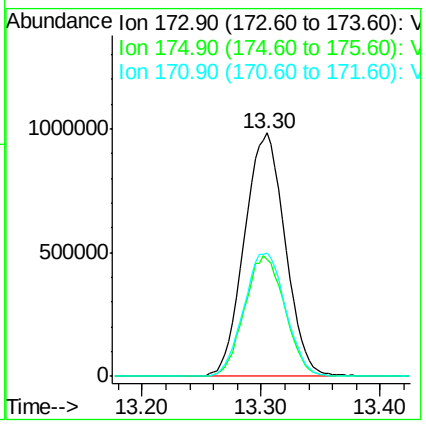


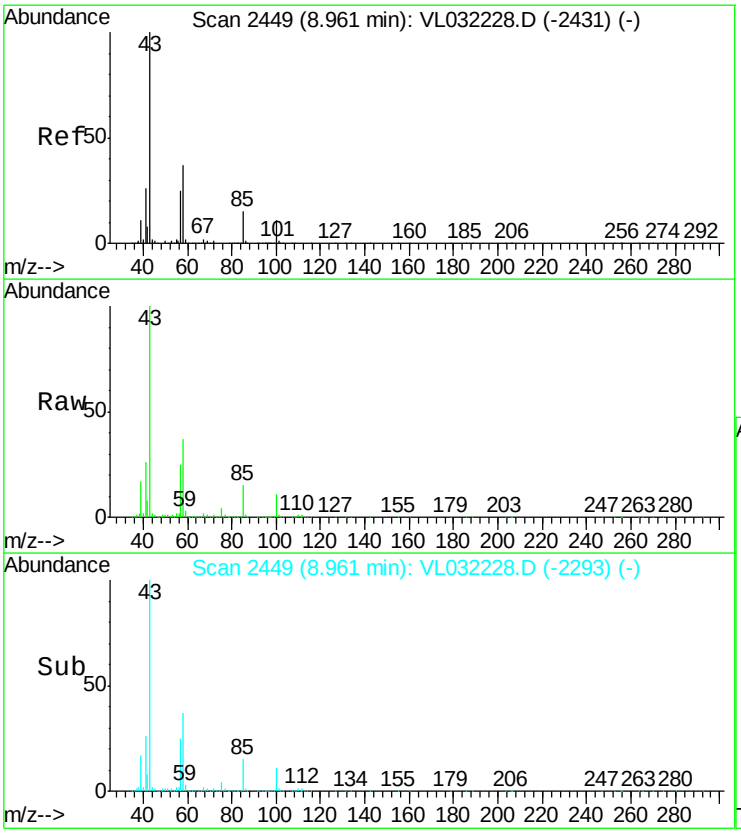
#49
Bromoform
Concen: 9.859 ppbv
RT: 13.30 min Scan# 3800
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 2333672

Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.4	59.2
171	52.2	41.8	62.6

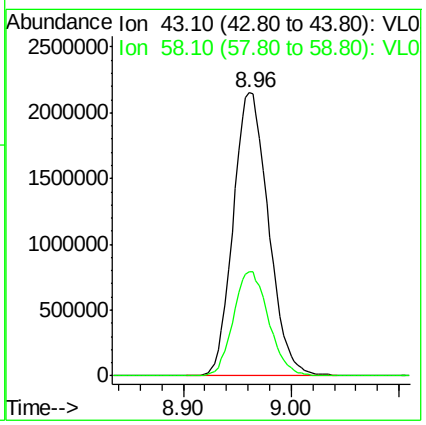


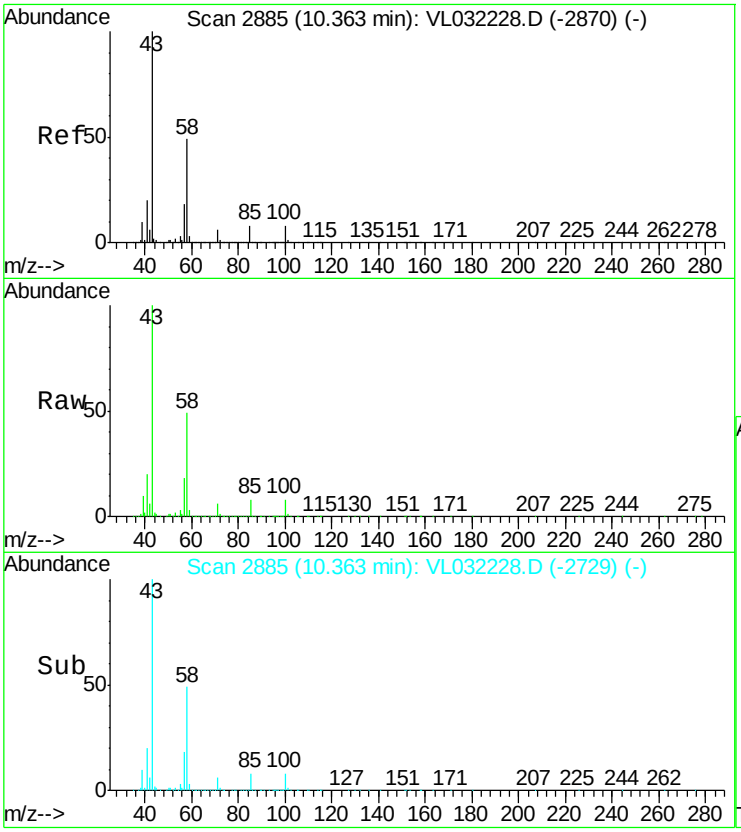


#50
4-Methyl-2-Pentanone
Concen: 9.989 ppbv
RT: 8.96 min Scan# 2449
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 43 Resp: 4906313

Ion	Ratio	Lower	Upper
43	100		
58	37.0	29.5	44.3



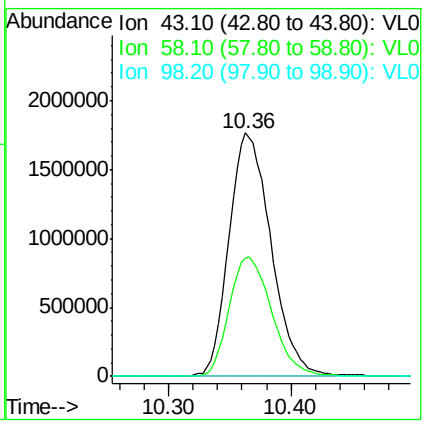


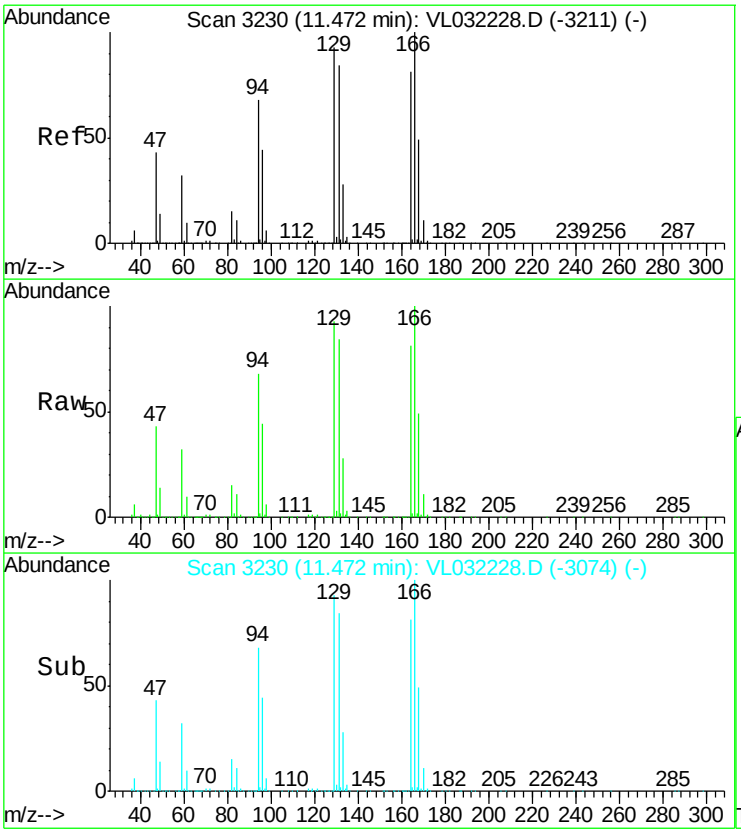
#51
2-Hexanone
Concen: 10.350 ppbv
RT: 10.36 min Scan# 2885
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 4213497

Ion	Ratio	Lower	Upper
43	100		
58	50.0	39.9	59.9
98	0.3	0.2	0.4

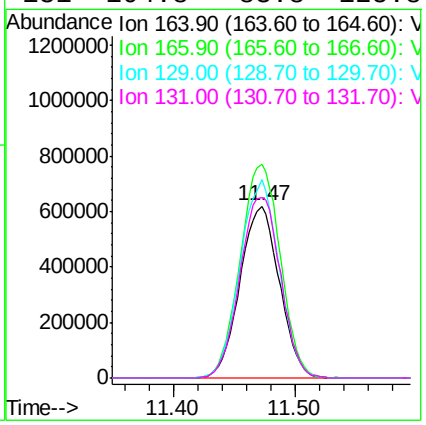


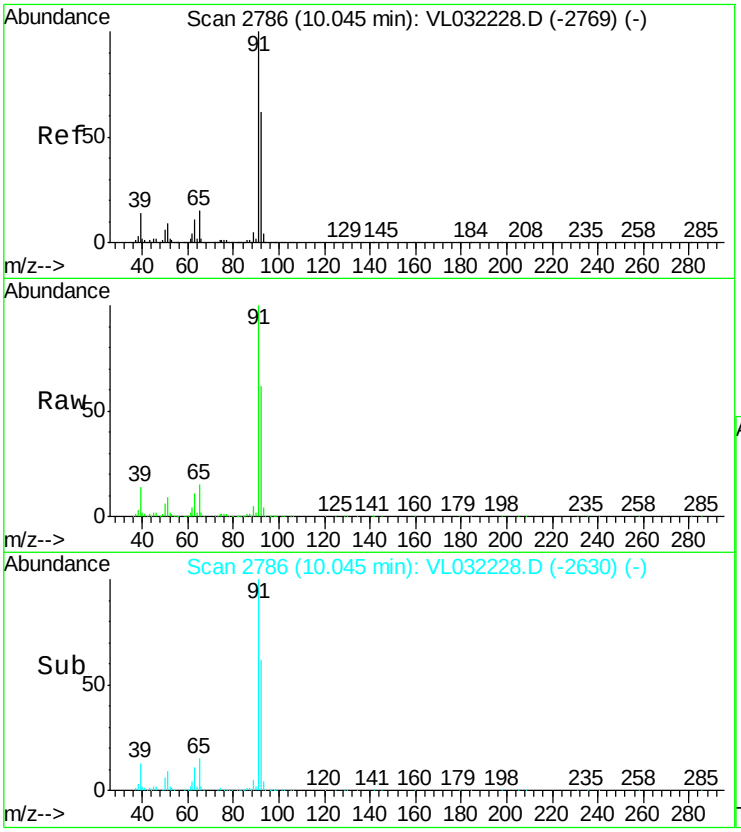


#52
Tetrachloroethene
Concen: 8.467 ppbv
RT: 11.47 min Scan# 3230
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion:164 Resp: 1378818

Ion	Ratio	Lower	Upper
164	100		
166	124.1	99.3	148.9
129	115.0	92.0	138.0
131	104.8	83.8	125.8



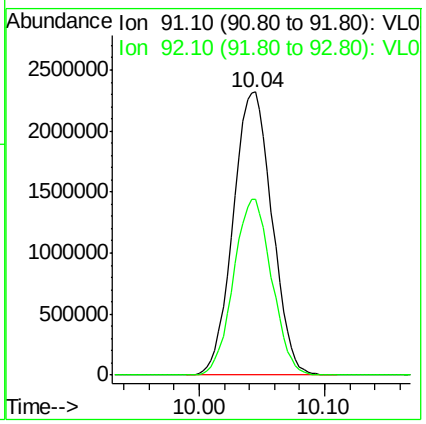


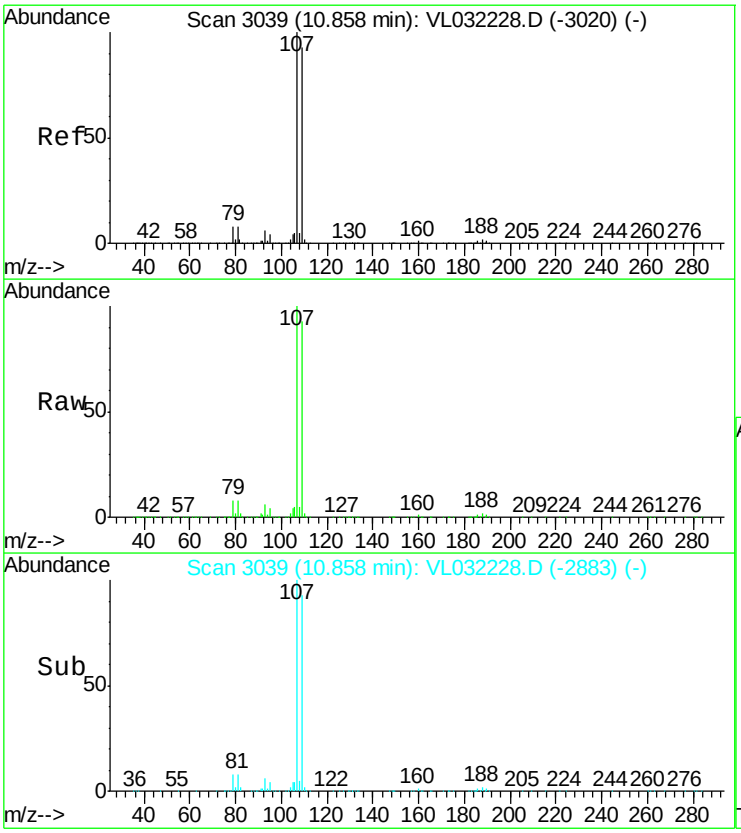
#53
Toluene
Concen: 9.242 ppbv
RT: 10.04 min Scan# 2786
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 4985772

Ion	Ratio	Lower	Upper
91	100		
92	61.2	49.0	73.4

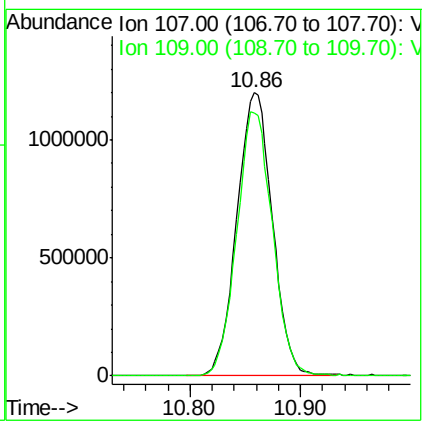


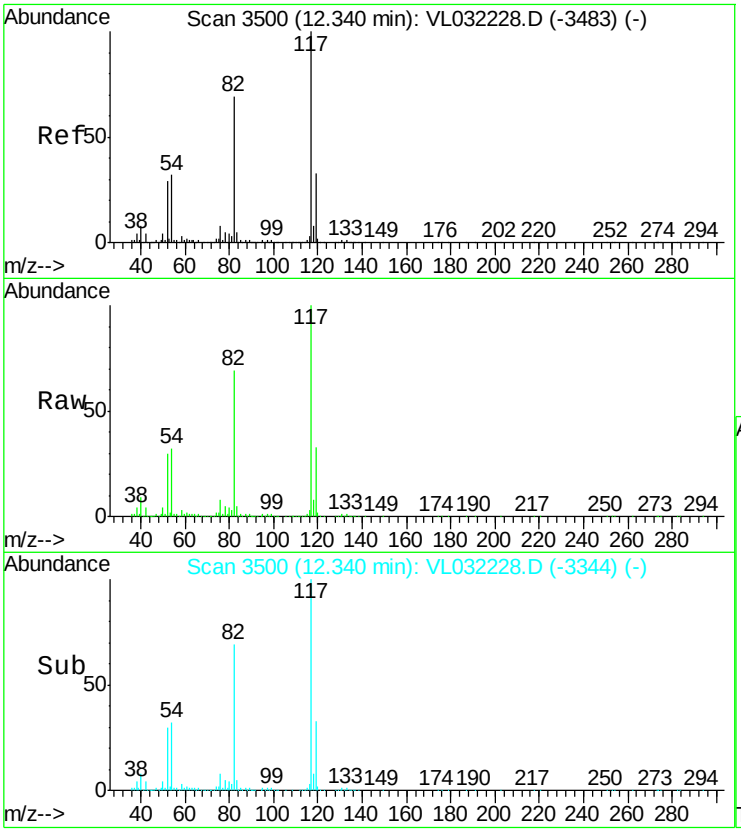


#54
1,2-Dibromoethane
Concen: 9.660 ppbv
RT: 10.86 min Scan# 3039
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion:107 Resp: 2672170

Ion	Ratio	Lower	Upper
107	100		
109	92.9	74.3	111.5



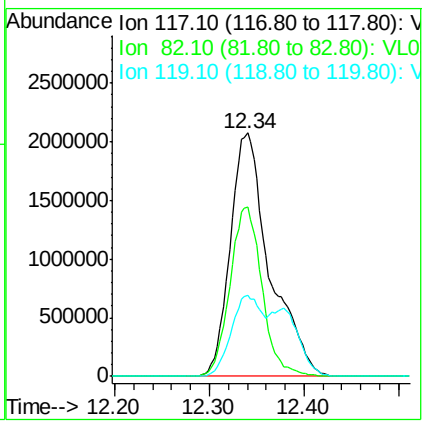


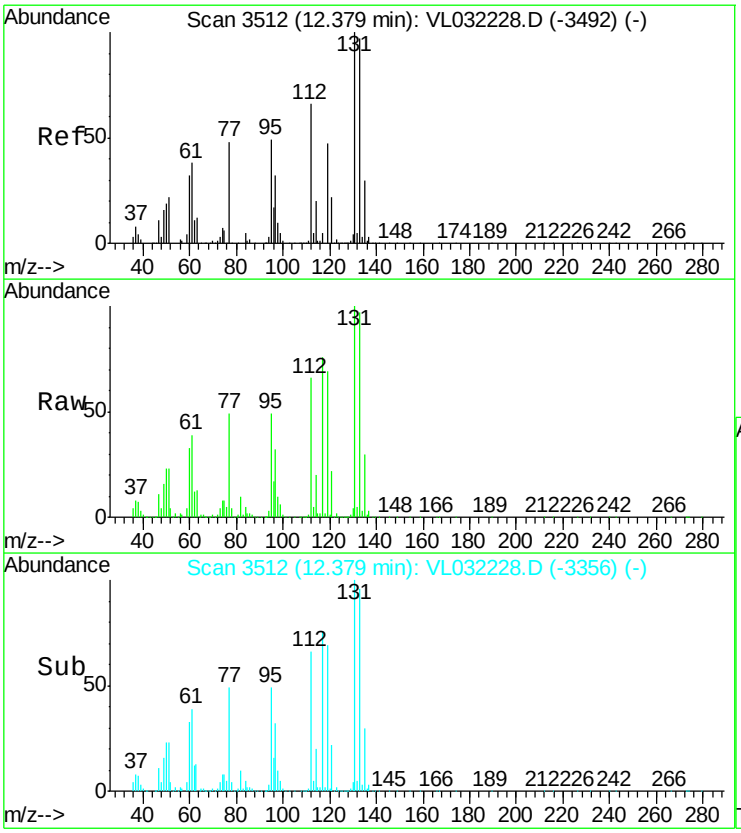
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.34 min Scan# 3500
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:117 Resp: 6013386

Ion	Ratio	Lower	Upper
117	100		
82	56.7	53.2	79.8
119	46.8	43.9	65.9

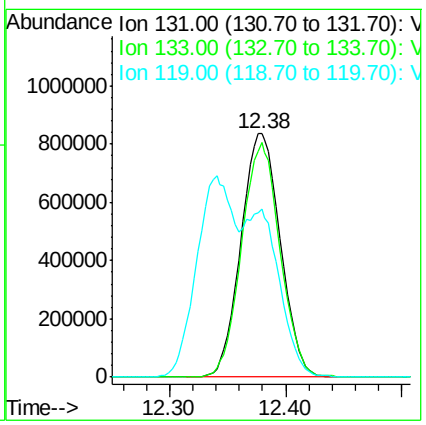


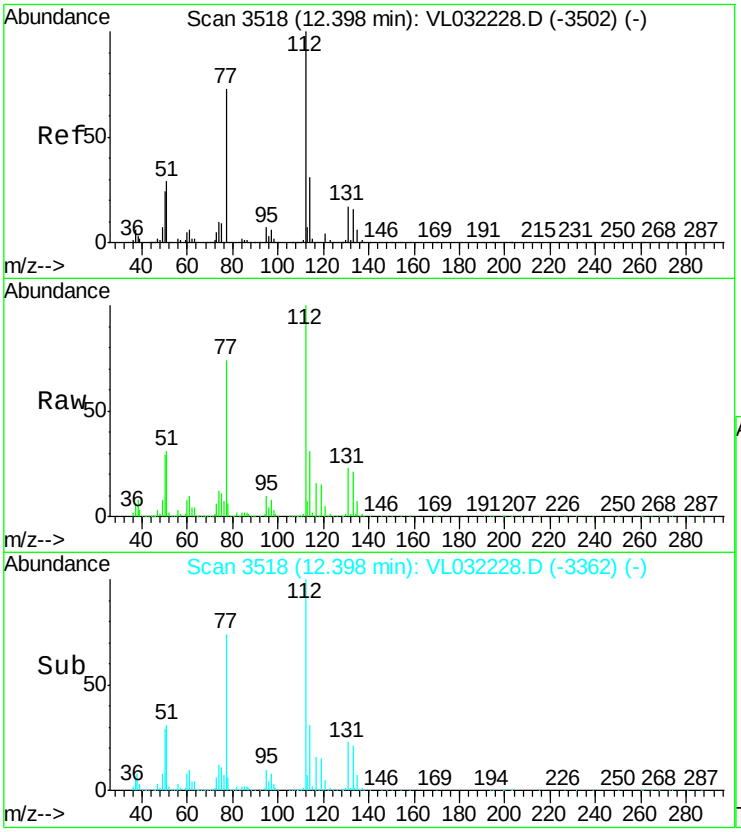


#56
1,1,1,2-Tetrachloroethane
Concen: 7.376 ppbv
RT: 12.38 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion:131 Resp: 1975767

Ion	Ratio	Lower	Upper
131	100		
133	94.1	75.2	112.8
119	142.3	113.9	170.9



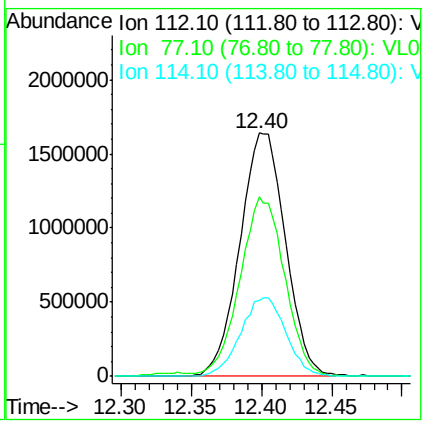


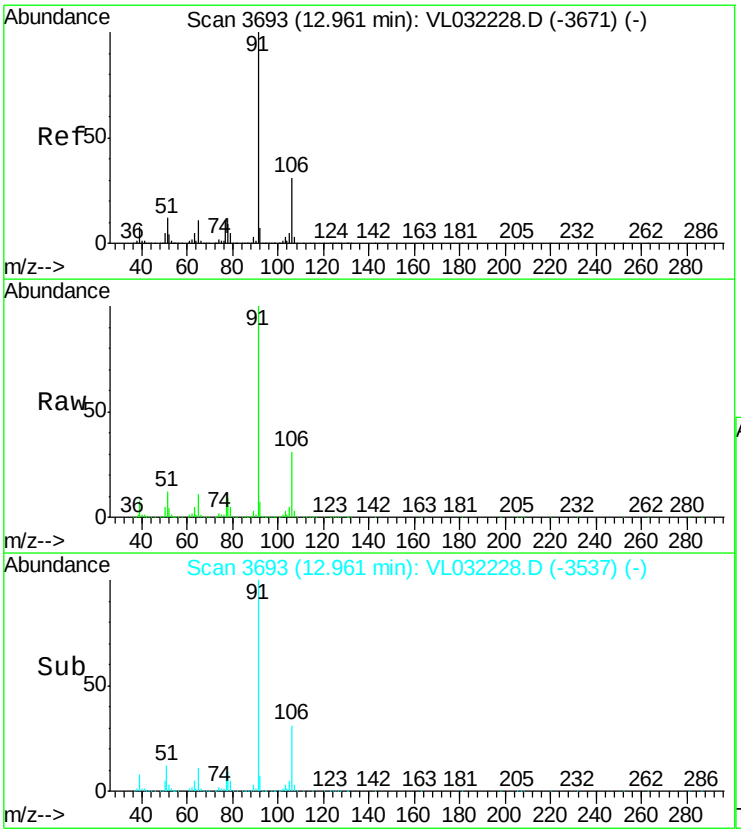
#57
Chlorobenzene
Concen: 7.140 ppbv
RT: 12.40 min Scan# 3518
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:112 Resp: 3701598

Ion	Ratio	Lower	Upper
112	100		
77	73.5	58.8	88.2
114	31.0	27.9	34.1

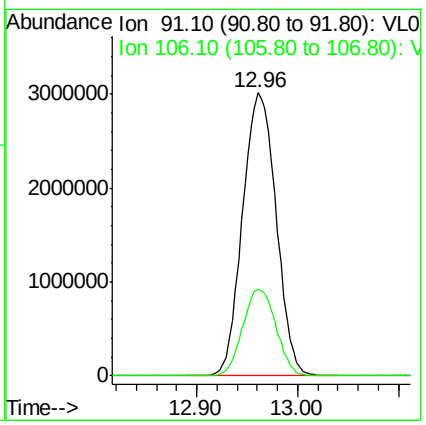


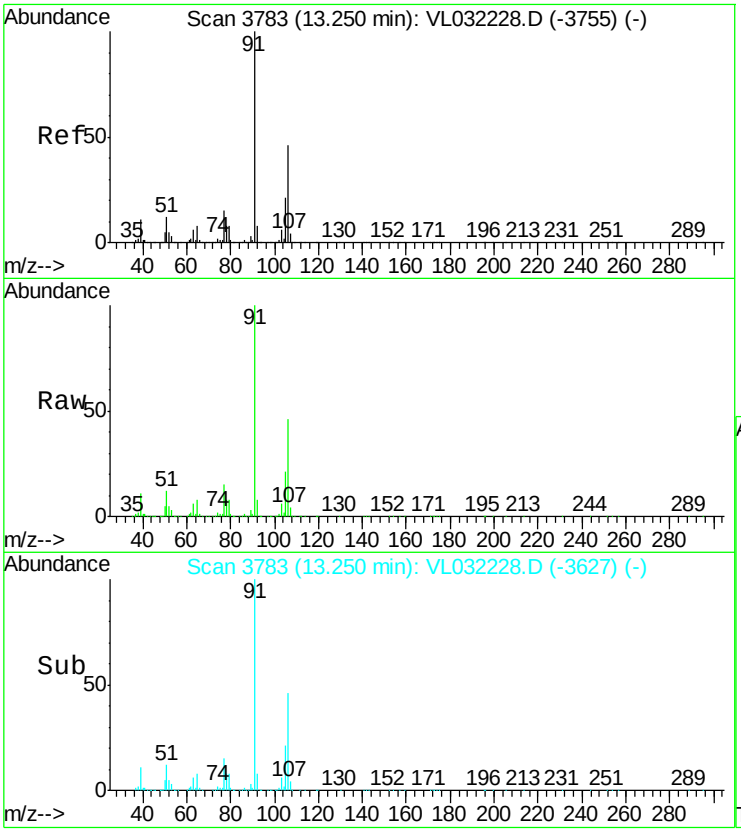


#58
Ethyl Benzene
Concen: 7.177 ppbv
RT: 12.96 min Scan# 3693
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 91 Resp: 6937597

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.5	36.7



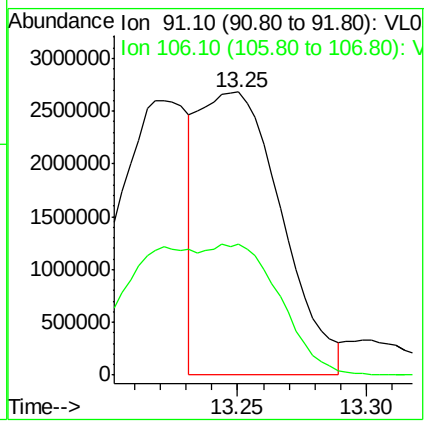


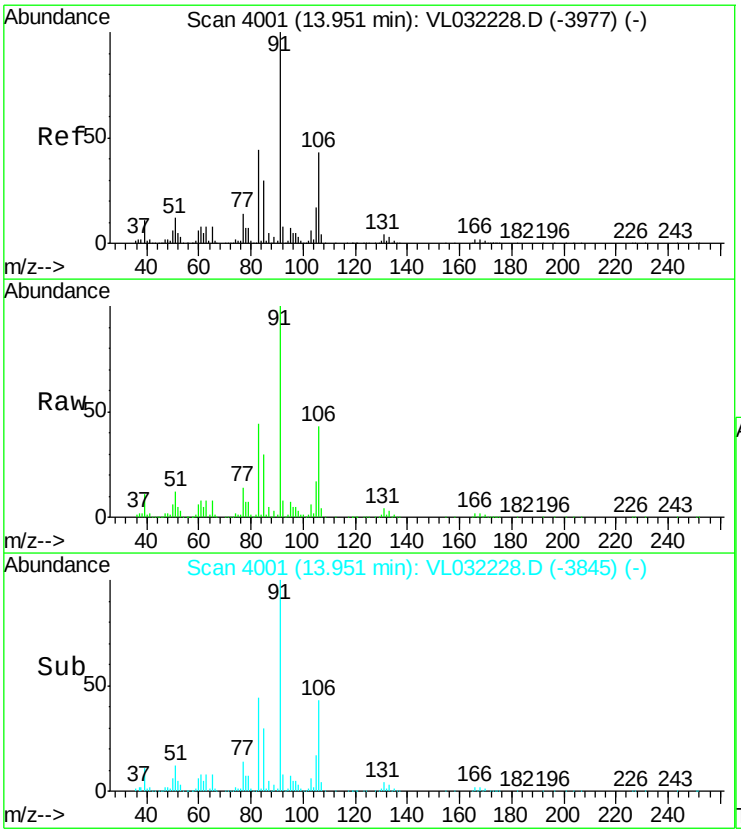
#59
m/p-Xylene
Concen: 7.676 ppbv
RT: 13.25 min Scan# 3783
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 91 Resp: 5955862

Ion	Ratio	Lower	Upper
91	100		
106	84.0	36.4	54.6#

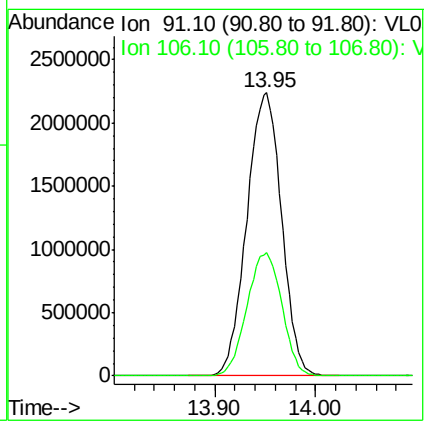


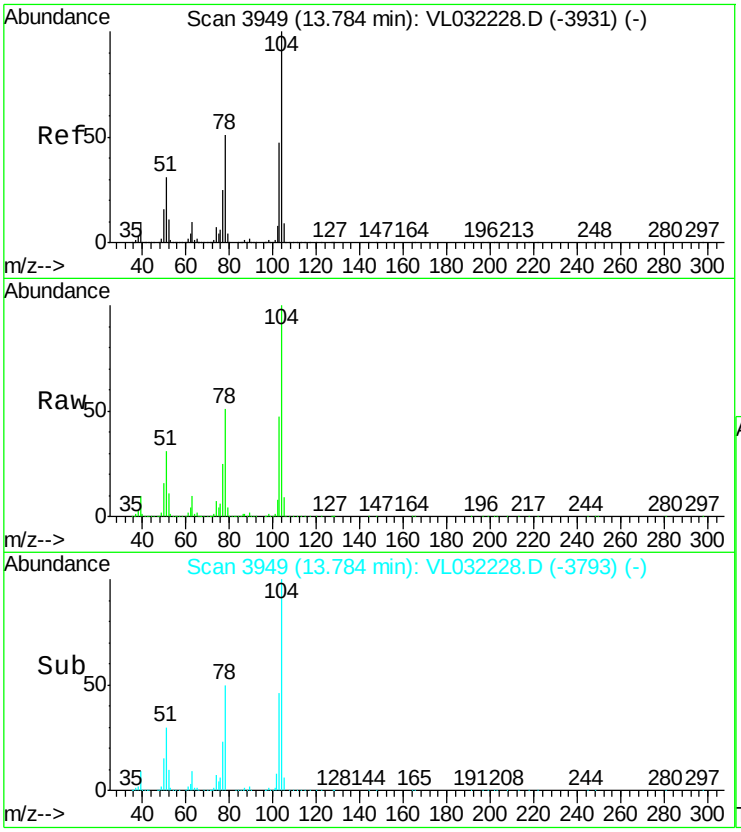


#60
o-Xylene
Concen: 6.930 ppbv
RT: 13.95 min Scan# 4001
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 91 Resp: 5349887

Ion	Ratio	Lower	Upper
91	100		
106	43.9	21.9	65.5



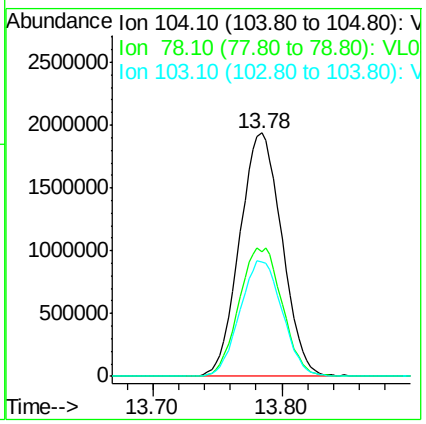


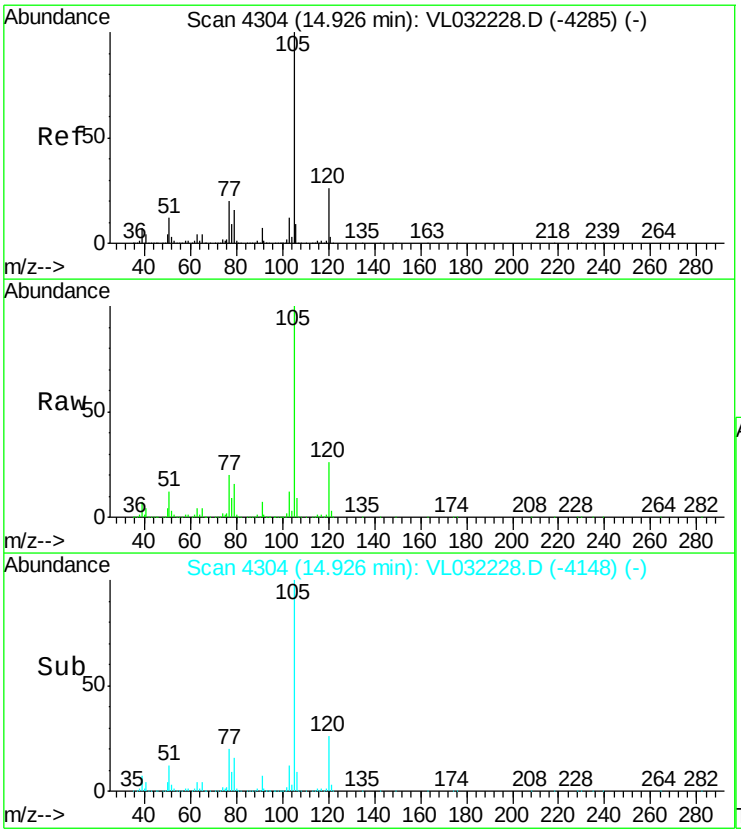
#61
Styrene
Concen: 7.076 ppbv
RT: 13.78 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 4424484

Ion	Ratio	Lower	Upper
104	100		
78	54.1	43.4	65.0
103	47.5	38.0	57.0

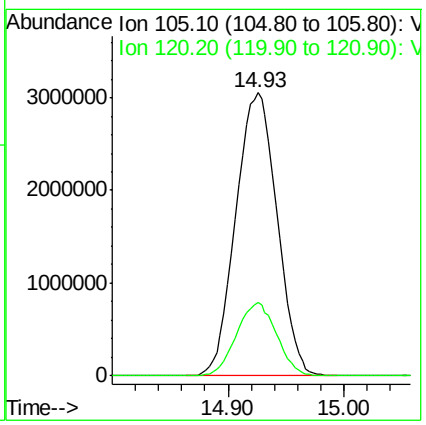


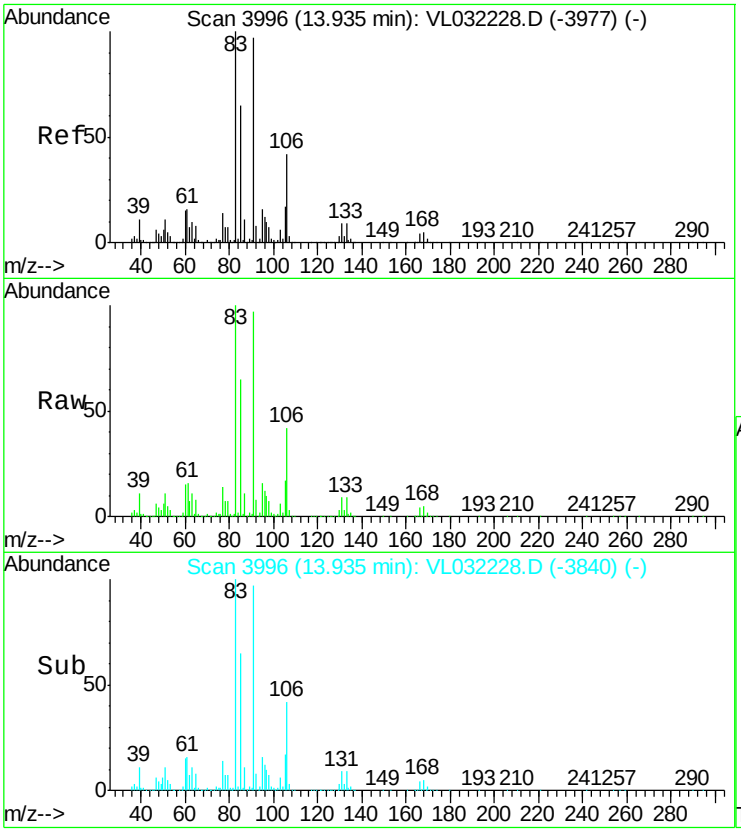


#62
Isopropylbenzene
Concen: 6.413 ppbv
RT: 14.93 min Scan# 4304
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion:105 Resp: 7552271

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.2	30.2



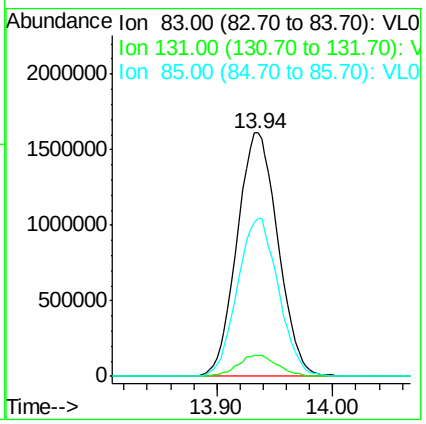


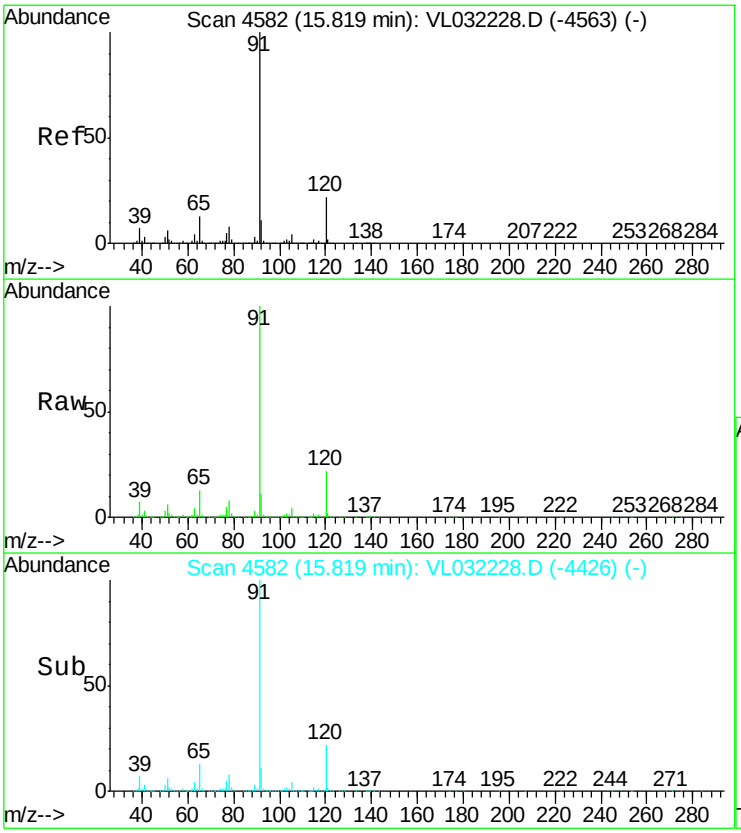
#63
1,1,2,2-Tetrachloroethane
Concen: 6.581 ppbv
RT: 13.94 min Scan# 3996
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 83 Resp: 3962006

Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.3	12.8
85	65.0	32.5	97.5

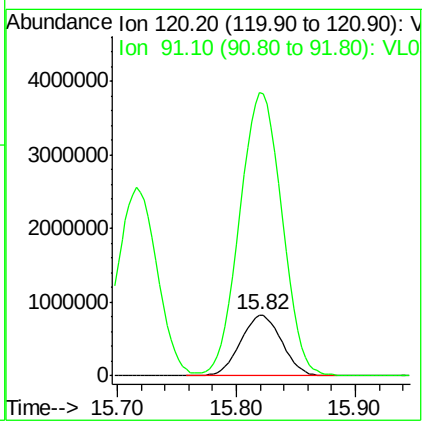


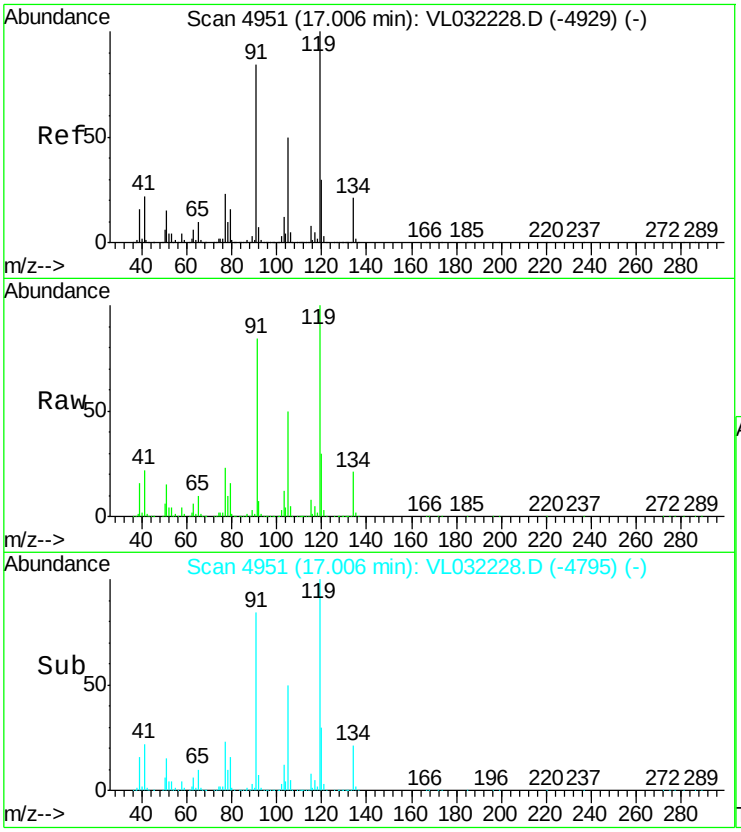


#64
n-propylbenzene
Concen: 6.455 ppbv
RT: 15.82 min Scan# 4582
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion:120 Resp: 1971208

Ion	Ratio	Lower	Upper
120	100		
91	481.8	385.0	577.4



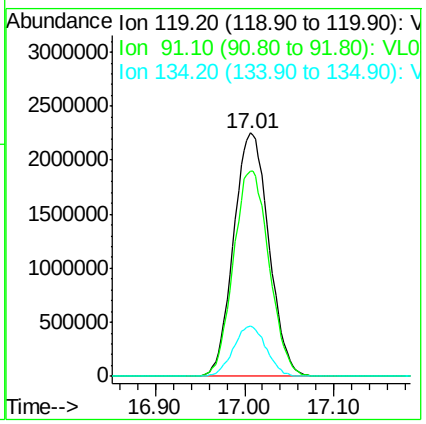


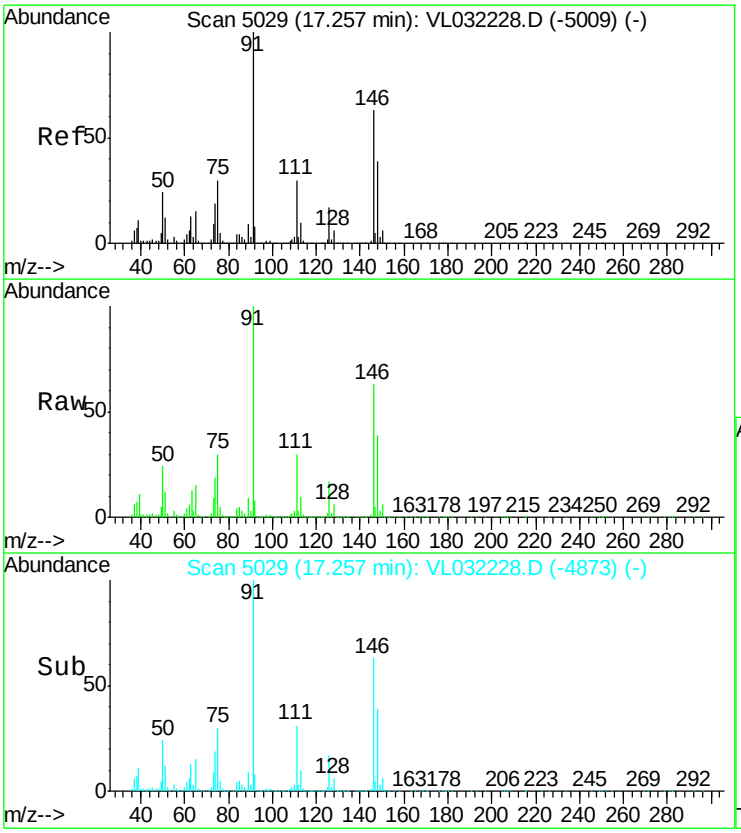
#65
tert-Butylbenzene
Concen: 5.977 ppbv
RT: 17.01 min Scan# 4951
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 6175556

Ion	Ratio	Lower	Upper
119	100		
91	85.6	68.6	102.8
134	19.3	15.4	23.2

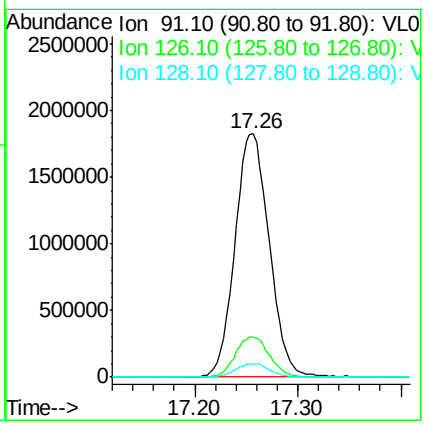


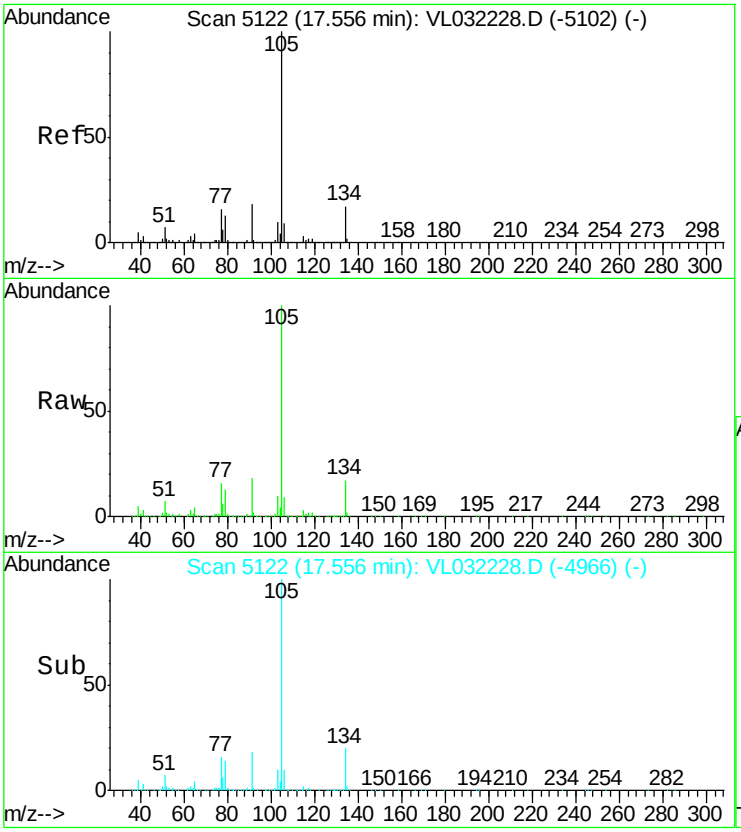


#66
Benzyl Chloride
Concen: 6.739 ppbv
RT: 17.26 min Scan# 5029
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 91 Resp: 4218123

Ion	Ratio	Lower	Upper
91	100		
126	16.7	13.4	20.0
128	5.6	4.5	6.7



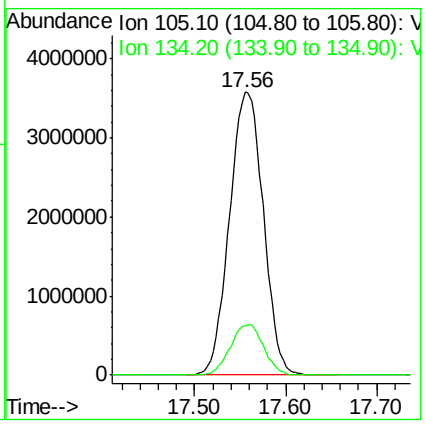


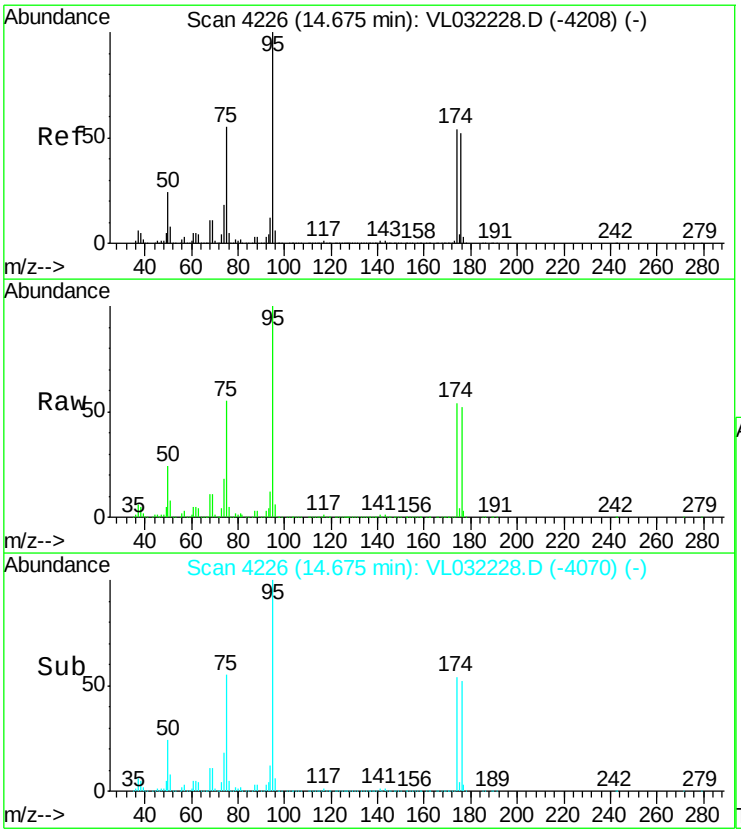
#67
sec-Butylbenzene
Concen: 6.074 ppbv
RT: 17.56 min Scan# 5122
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 9214194

Ion	Ratio	Lower	Upper
105	100		
134	17.7	14.2	21.2

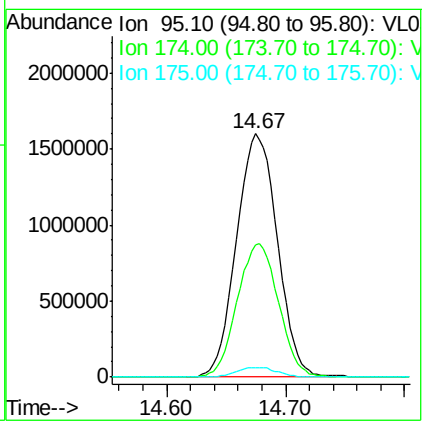


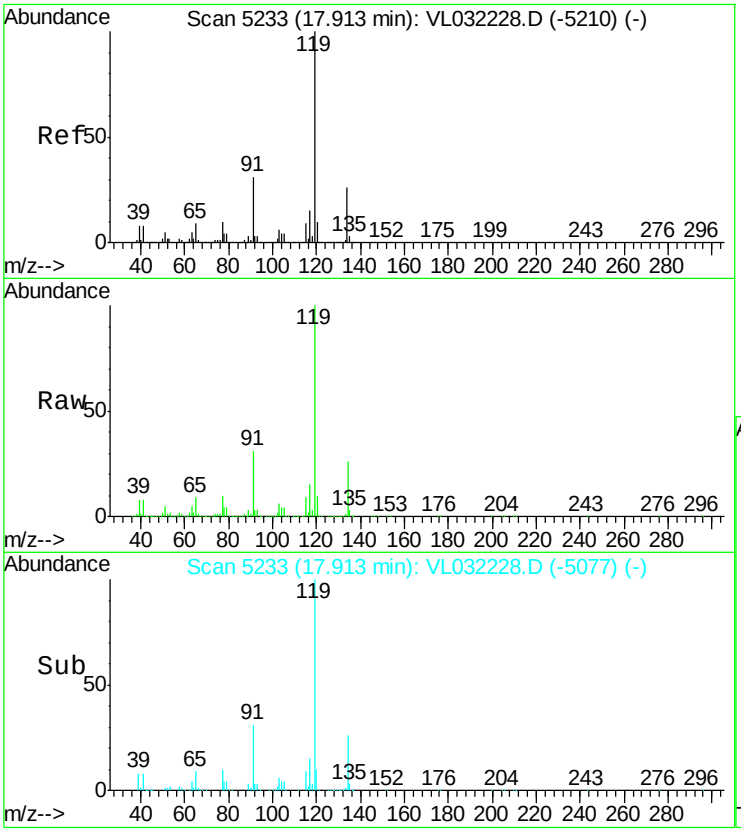


#68
1-Bromo-4-Fluorobenzene
Concen: 8.232 ppbv
RT: 14.67 min Scan# 4226
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 95 Resp: 3800474

Ion	Ratio	Lower	Upper
95	100		
174	55.4	44.6	67.0
175	4.1	3.3	4.9



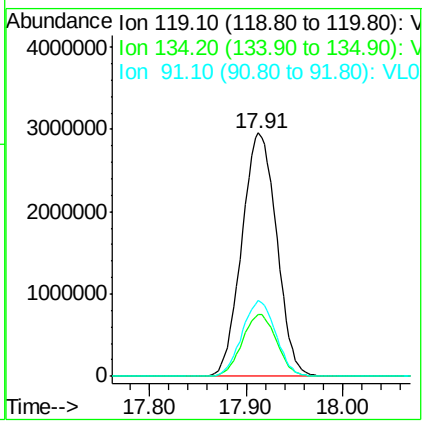


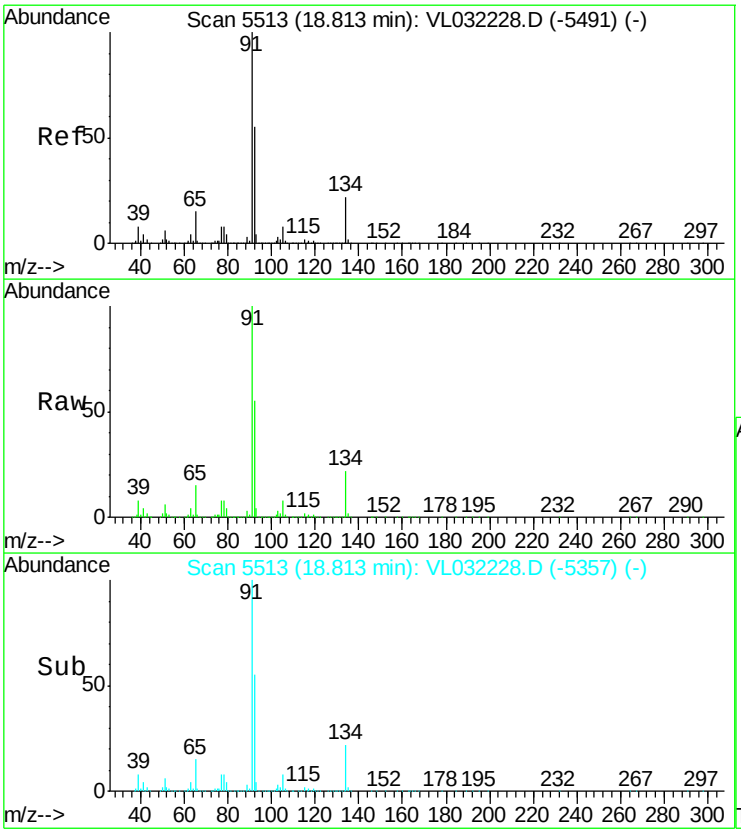
#69
p-Isopropyltoluene
Concen: 6.106 ppbv
RT: 17.91 min Scan# 5233
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 7392607

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.1	30.1
91	30.1	24.2	36.2

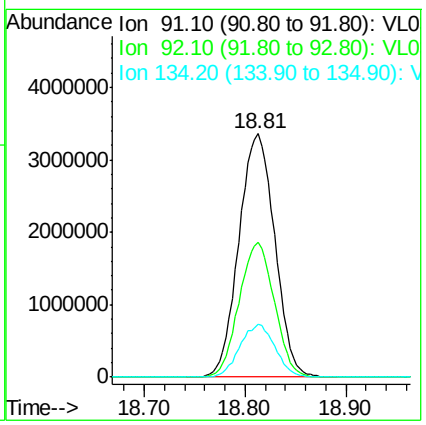


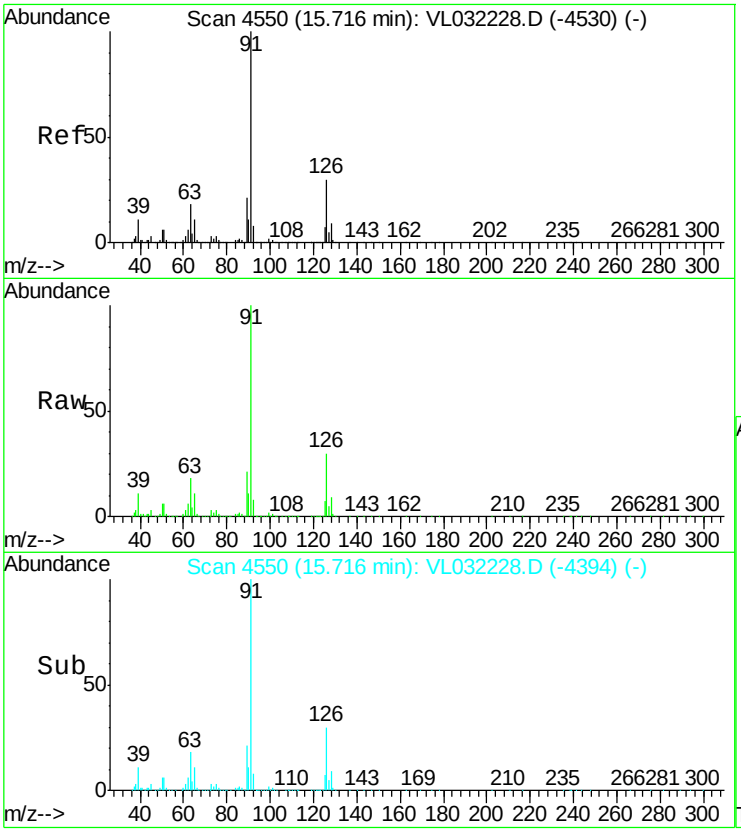


#70
n-Butylbenzene
Concen: 6.466 ppbv
RT: 18.81 min Scan# 5513
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion: 91 Resp: 8256123

Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.6	65.4
134	21.4	17.1	25.7



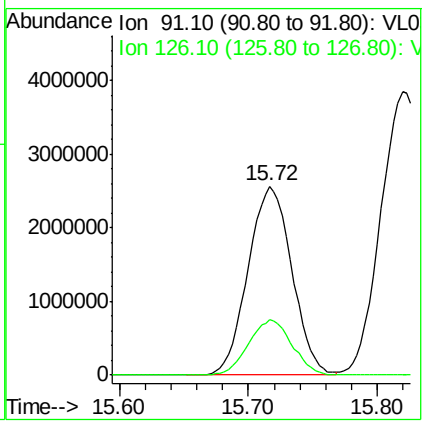


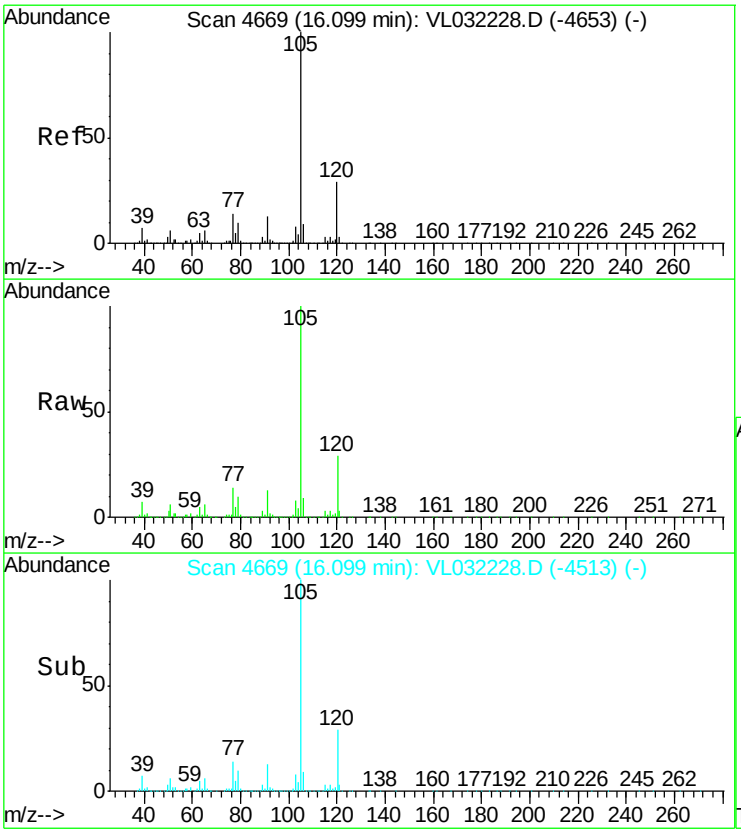
#71
2-Chlorotoluene
Concen: 6.634 ppbv
RT: 15.72 min Scan# 4550
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 91 Resp: 6076190

Ion	Ratio	Lower	Upper
91	100		
126	29.2	11.7	46.7

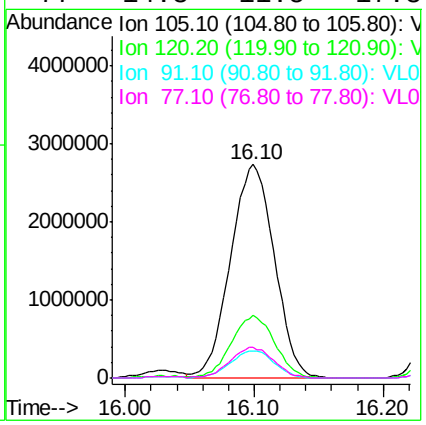


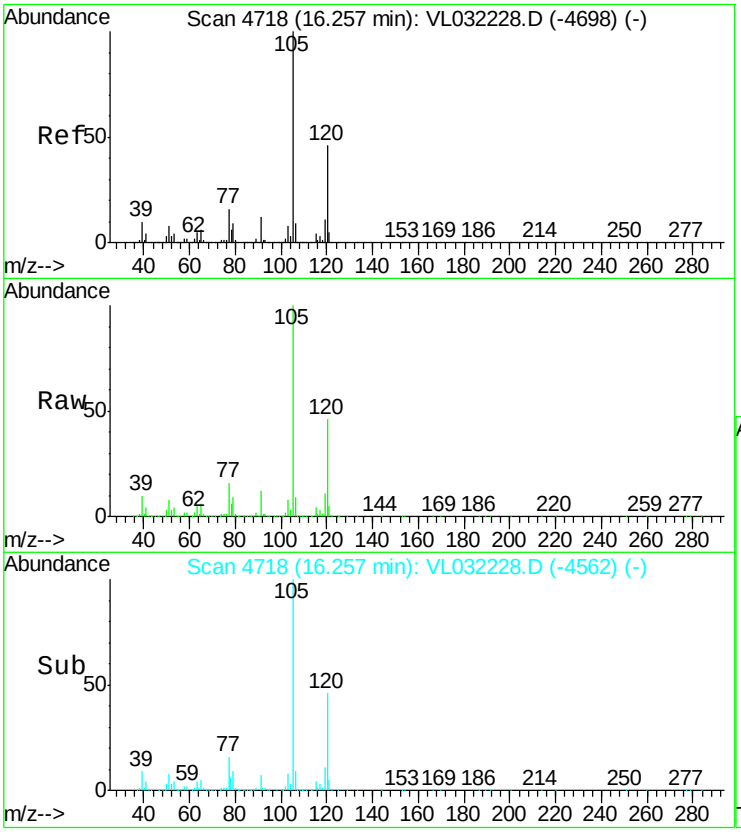


#72
4-Ethyltoluene
Concen: 6.515 ppbv
RT: 16.10 min Scan# 4669
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion:105 Resp: 6461558

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.3	34.9
91	12.9	10.3	15.5
77	14.3	11.5	17.3



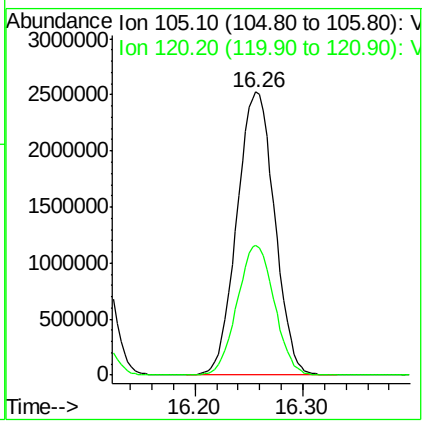


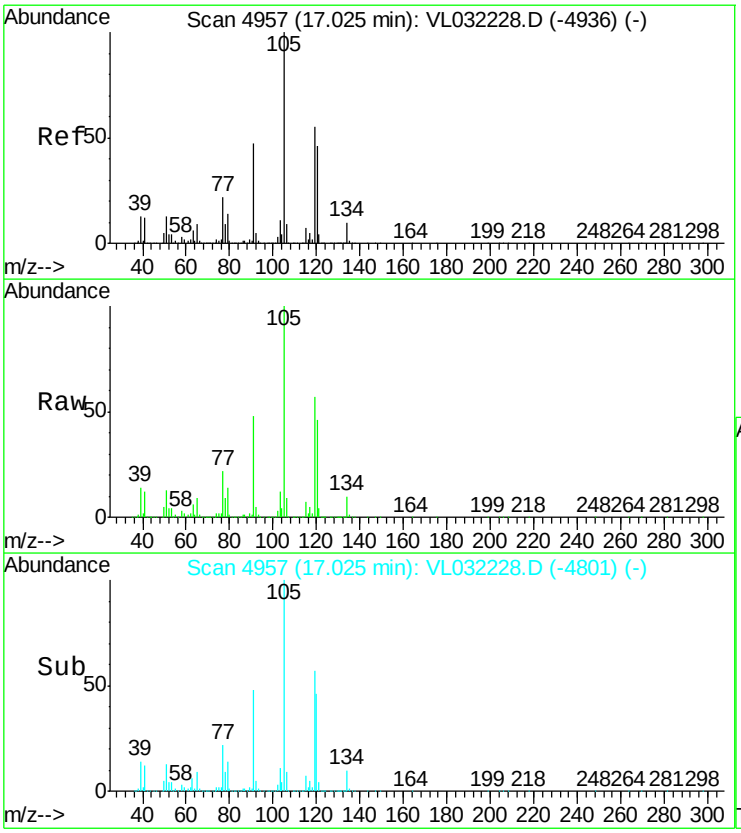
#73
1,3,5-Trimethylbenzene
Concen: 6.534 ppbv
RT: 16.26 min Scan# 4718
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 6105189

Ion	Ratio	Lower	Upper
105	100		
120	45.7	36.6	54.8

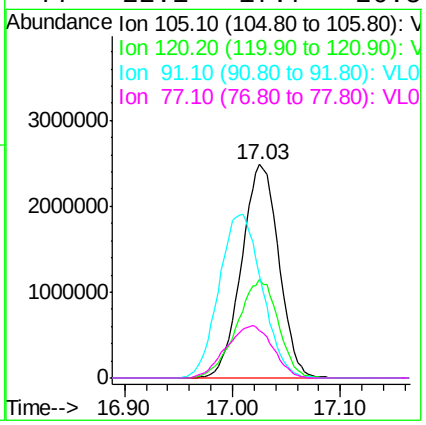


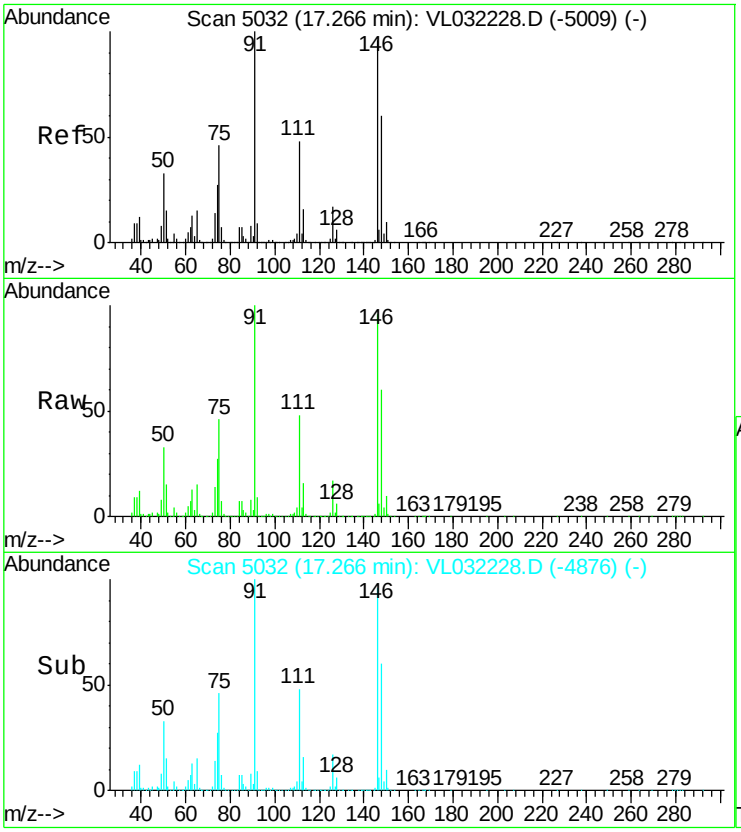


#74
1,2,4-Trimethylbenzene
Concen: 6.300 ppbv
RT: 17.03 min Scan# 4957
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion:105 Resp: 5945770

Ion	Ratio	Lower	Upper
105	100		
120	46.2	37.0	55.4
91	47.7	38.2	57.2
77	22.1	17.7	26.5



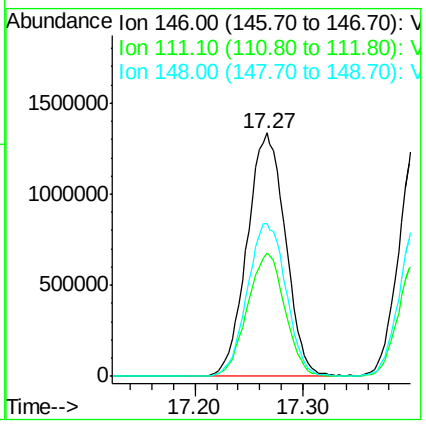


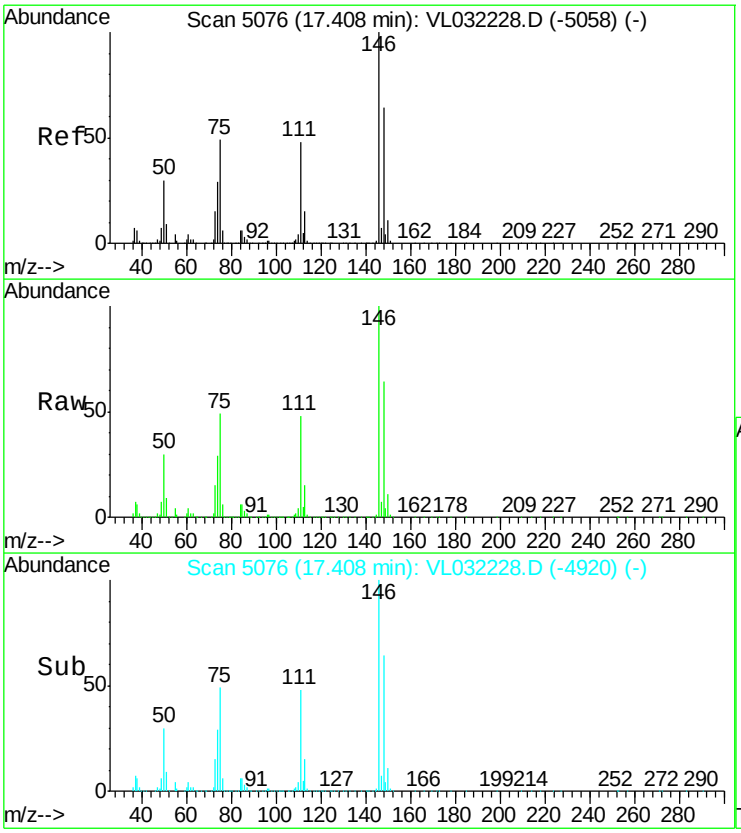
#75
1,3-Dichlorobenzene
Concen: 6.159 ppbv
RT: 17.27 min Scan# 5032
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 3288650

Ion	Ratio	Lower	Upper
146	100		
111	49.8	24.9	74.7
148	63.6	31.9	95.5

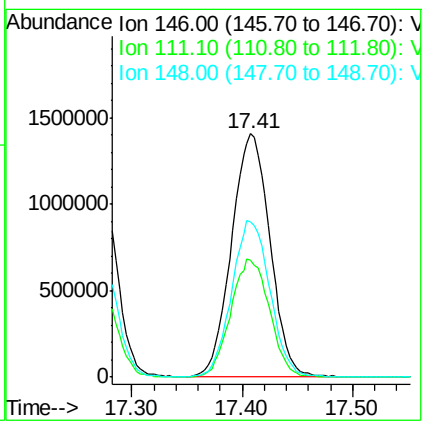


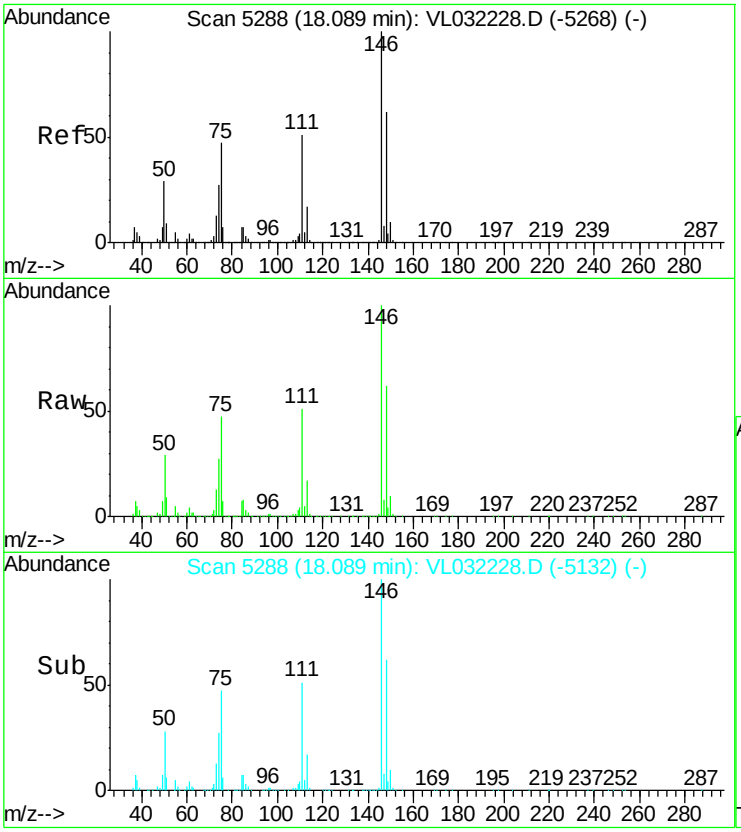


#76
1,4-Dichlorobenzene
Concen: 6.254 ppbv
RT: 17.41 min Scan# 5076
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion:146 Resp: 3374382

Ion	Ratio	Lower	Upper
146	100		
111	49.2	24.6	73.6
148	64.6	32.3	96.9



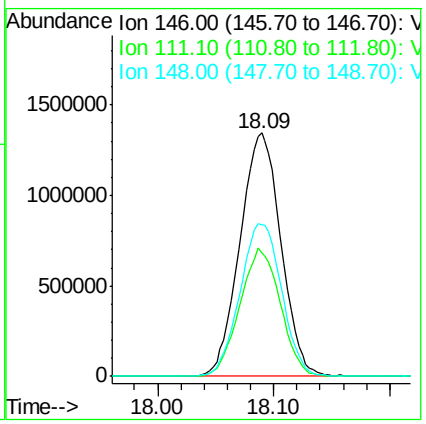


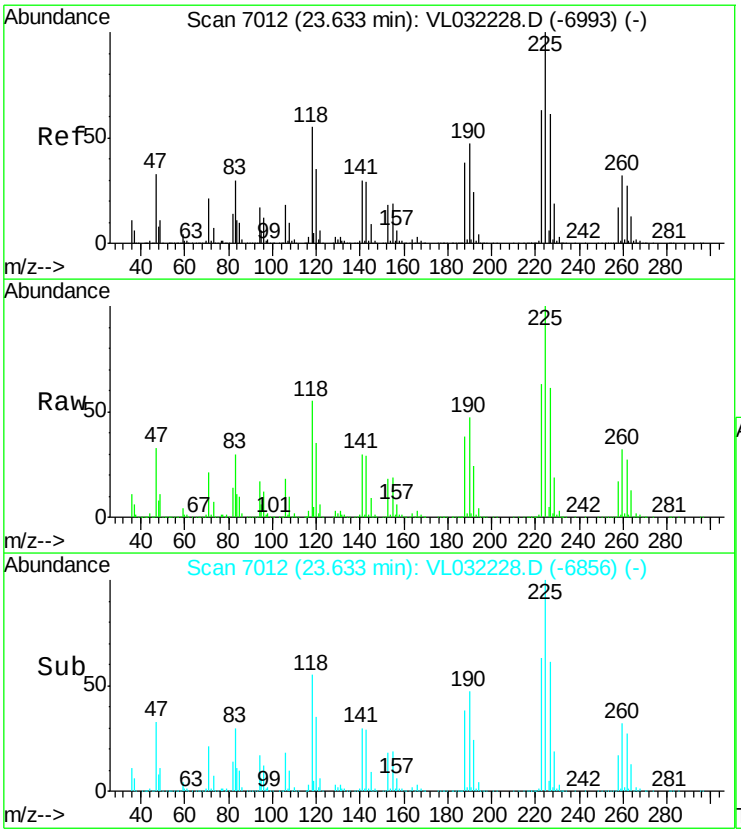
#77
1,2-Dichlorobenzene
Concen: 6.197 ppbv
RT: 18.09 min Scan# 5288
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 3294633

Ion	Ratio	Lower	Upper
146	100		
111	52.2	26.1	78.3
148	64.0	32.0	96.0

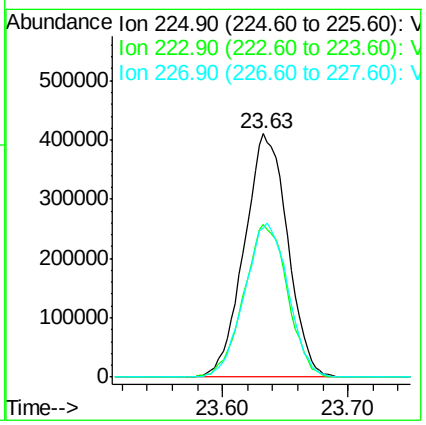


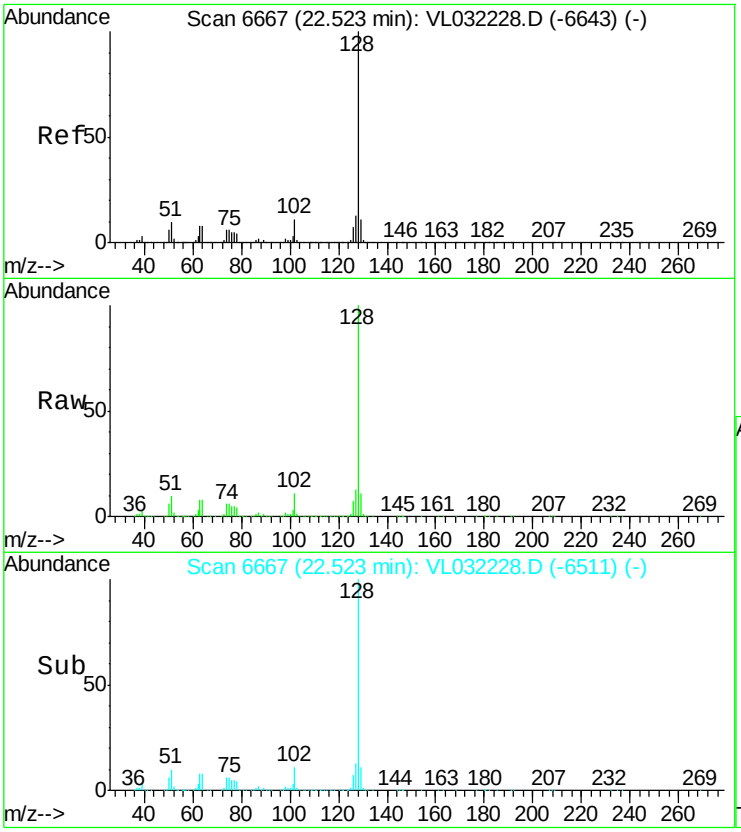


#78
Hexachloro-1,3-Butadiene
Concen: 5.435 ppbv
RT: 23.63 min Scan# 7012
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion:225 Resp: 986377

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	63.6	50.9	76.3



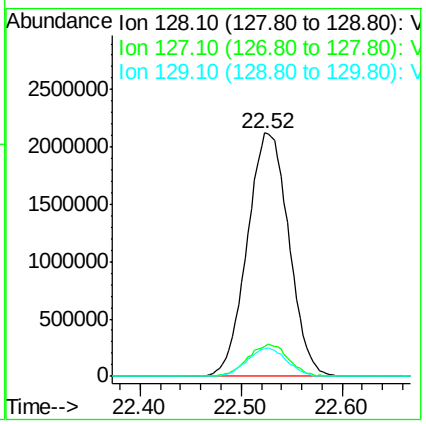


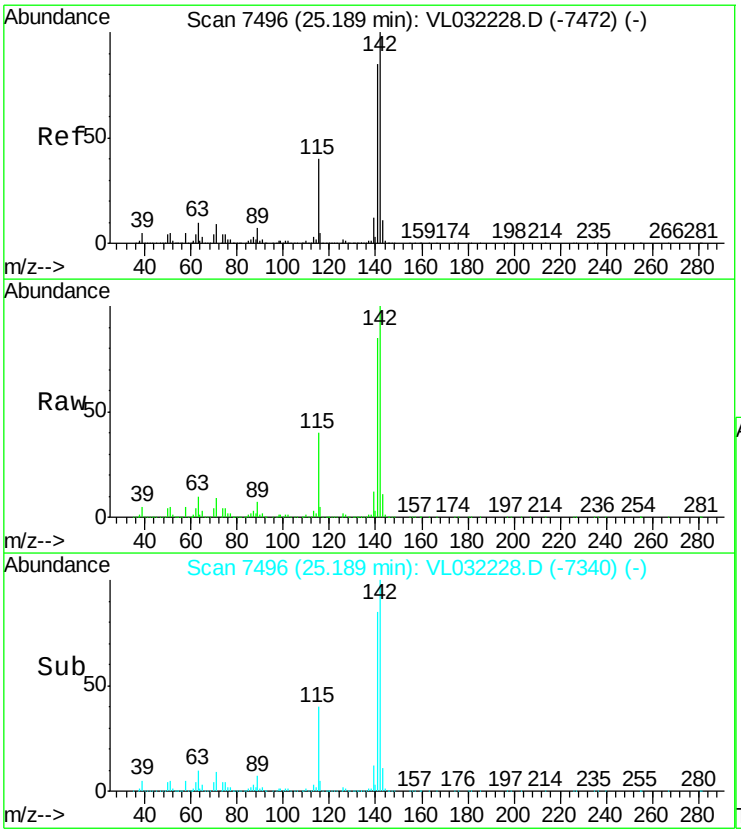
#79
Naphthalene
Concen: 7.201 ppbv
RT: 22.52 min Scan# 6667
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 6070845

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.0	15.0
129	11.2	9.0	13.4

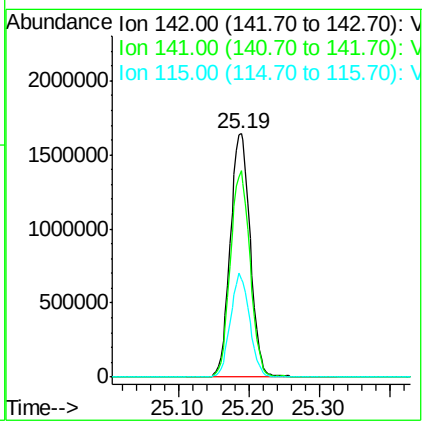


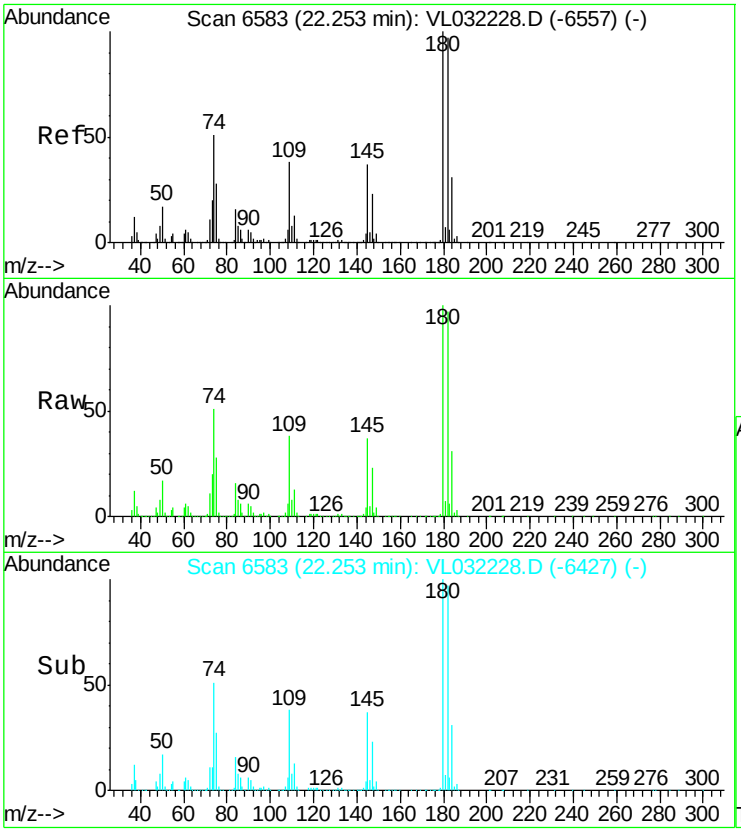


#80
Naphthalene,2-methyl-
Concen: 10.927 ppbv
RT: 25.19 min Scan# 7496
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Tgt Ion:142 Resp: 3255607

Ion	Ratio	Lower	Upper
142	100		
141	83.8	67.0	100.6
115	40.8	32.6	49.0





#81
1,2,4-Trichlorobenzene
Concen: 7.123 ppbv
RT: 22.25 min Scan# 6583
Delta R.T. 0.00 min
Lab File: VL032228.D
Acq: 12 Jul 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 2700064

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.1	114.1
184	30.3	24.2	36.4