Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040419\

Quantitation Report (Not Reviewed)

Data File : VL033531.D
Acq On : 4 Apr 2019 12:31
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Apr 05 01:54:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1112290	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2617158	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3223268	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	2154088	8.52	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 85.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	1882665	11.605	ppbv	98
3) Chlorodifluoromethane	3.01	51	1085208	8.475	ppbv	98
4) Chloromethane	3.17	50	593399	8.757	ppbv	98
5) Vinyl Chloride	3.29	62	593631	8.916	ppbv	98
6) Bromomethane	3.51	94	375445	8.775	ppbv	93
7) Chloroethane	3.60	64	213837	8.630	ppbv	96
8) Dichlorotetrafluoroethane	3.22	85	1497589	8.664	ppbv	99
9) Propene	3.03	41	464117	8.630	ppbv	99
10) Heptane	8.24	43	1209340	8.413	ppbv	99
11) Trichlorofluoromethane	4.00	101	1693919	8.473	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1135792	8.458	ppbv	99
13) Ethanol	3.64	45	136719	9.825	ppbv	65
14) Bromoethene	3.79	108	460640	8.601	ppbv	100
15) Acetone	3.90	43	1044089	7.807	ppbv	99
16) 1,3-Butadiene	3.36	39	482304	9.092	ppbv	90
17) tert-Butyl alcohol	4.35	59	214962	8.742	ppbv	100
18) 1,1-Dichloroethene	4.35	96	505453	8.763	ppbv	98
19) Isopropyl Alcohol	4.02	45	770272	9.106	ppbv	100
20) Methylene Chloride	4.41	84	426210	7.507	ppbv	94
21) Allyl Chloride	4.47	41	736858	8.716	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	531583	8.833	ppbv	97
23) Vinyl Acetate	5.15	43	1706903	8.967	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1205656	8.338	ppbv	99
25) Ethyl Acetate	5.76	43	2028288	8.174	ppbv	99
26) Hexane	5.78	57	897812	8.137	ppbv	99
27) Carbon Disulfide	4.62	76	1242164	9.468	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1462655	9.204	ppbv	100
29) Chloroform	5.84	83	1553230	8.213	ppbv	97
30) Cyclohexane	7.24	84	778980	8.925	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	980163	8.936	ppbv	97
32) 1,1,1-Trichloroethane	6.62	97	1608287	8.930	ppbv	100
34) 2-Butanone	5.32	43	1322956	8.414	ppbv	100
35) Carbon Tetrachloride	7.13	117	1677740	9.051	ppbv	99
36) Benzene	7.00	78	1944651	8.856	ppbv	98
37) 1,2-Dichloroethane	6.41	62	1221387	8.298	ppbv	100
38) Trichloroethene	7.96	130	770658	9.325	ppbv	96
39) 1,2-Dichloropropane	7.73	63	721346	8.386	ppbv	98
40) 1,4-Dioxane	7.95	88	283068	9.226	ppbv	87
41) Tetrahydrofuran	6.14	42	775648	8.968	ppbv	97
42) Bromodichloromethane	7.91	83	1733917	8.649	ppbv	97
43) Methyl Methacrylate	8.13	69	795954	8.927	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040419\

Quantitation Report (Not Reviewed)

Data File : VL033531.D
Acq On : 4 Apr 2019 12:31
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Apr 05 01:54:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3230401	8.418	ppbv		100
45) t-1,3-Dichloropropene	9.41	75	1118947	10.221	ppbv		100
46) cis-1,3-Dichloropropene	8.83	75	1237744	9.682	ppbv		99
47) 1,1,2-Trichloroethane	9.61	97	830737	8.505	ppbv		98
48) Dibromochloromethane	10.45	129	1543635	9.369	ppbv		99
49) Bromoform	13.20	173	1422552	9.038	ppbv		100
50) 4-Methyl-2-Pentanone	8.87	43	2025154	8.796	ppbv		100
51) 2-Hexanone	10.26	43	1604234	9.341	ppbv		100
52) Tetrachloroethene	11.37	164	776294	9.369	ppbv		98
53) Toluene	9.94	91	2350678	9.212	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1332405	8.721	ppbv		96
56) 1,1,1,2-Tetrachloroethane	12.27	131	1088007	7.365	ppbv	#	85
57) Chlorobenzene	12.30	112	1812805	7.243	ppbv		96
58) Ethyl Benzene	12.86	91	3325373	7.725	ppbv		97
59) m/p-Xylene	13.15	91	2945606	7.661	ppbv	#	100
60) o-Xylene	13.85	91	2759904	7.423	ppbv		99
61) Styrene	13.69	104	2070752	8.115	ppbv		100
62) Isopropylbenzene	14.82	105	3887069	7.383	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1924221	7.029	ppbv		99
64) n-propylbenzene	15.72	120	1014742	7.596	ppbv		97
65) tert-Butylbenzene	16.91	119	3565536	7.685	ppbv		99
66) Benzyl Chloride	17.15	91	2051397	9.509	ppbv		98
67) sec-Butylbenzene	17.46	105	5015383	7.602	ppbv		100
69) p-Isopropyltoluene	17.81	119	4196780	7.812	ppbv		100
70) n-Butylbenzene	18.71	91	4366258	7.671	ppbv		99
71) 2-Chlorotoluene	15.61	91	3015392	7.532	ppbv		99
72) 4-Ethyltoluene	16.00	105	3277365	7.842	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	3142515	7.858	ppbv		97
74) 1,2,4-Trimethylbenzene	16.93	105	3279922	7.652	ppbv		95
75) 1,3-Dichlorobenzene	17.16	146	1944515	7.340	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	1937858	7.507	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	1896002	7.542	ppbv		100
78) Hexachloro-1,3-Butadiene	23.54	225	1460921	8.780	ppbv		99
79) Naphthalene	22.41	128	3233088	8.811	ppbv		100
80) Naphthalene,2-methyl-	25.11	142	1356303	11.014	ppbv		98
81) 1,2,4-Trichlorobenzene	22.13	180	1673155	8.220	ppbv		100

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

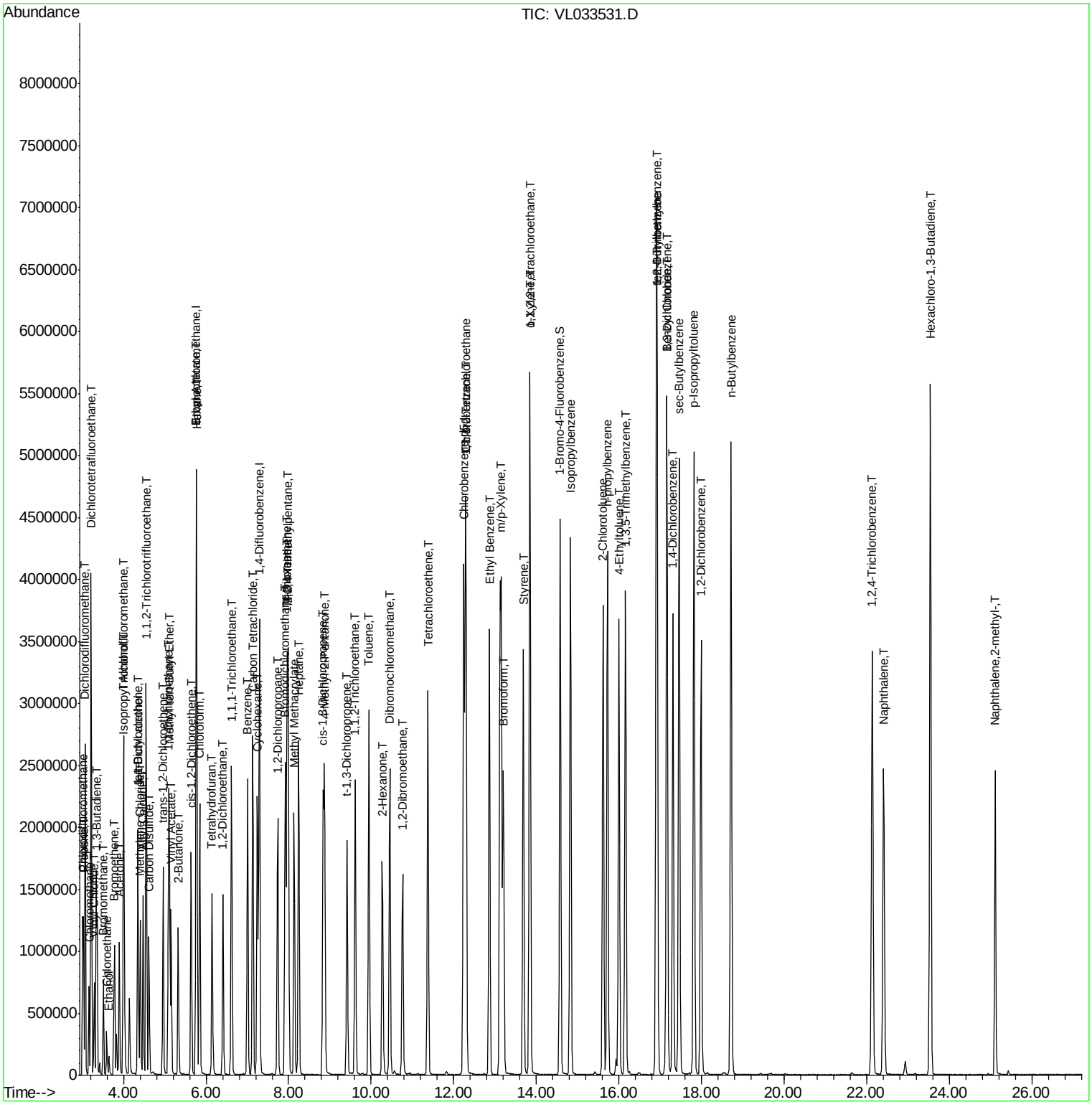
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040419\

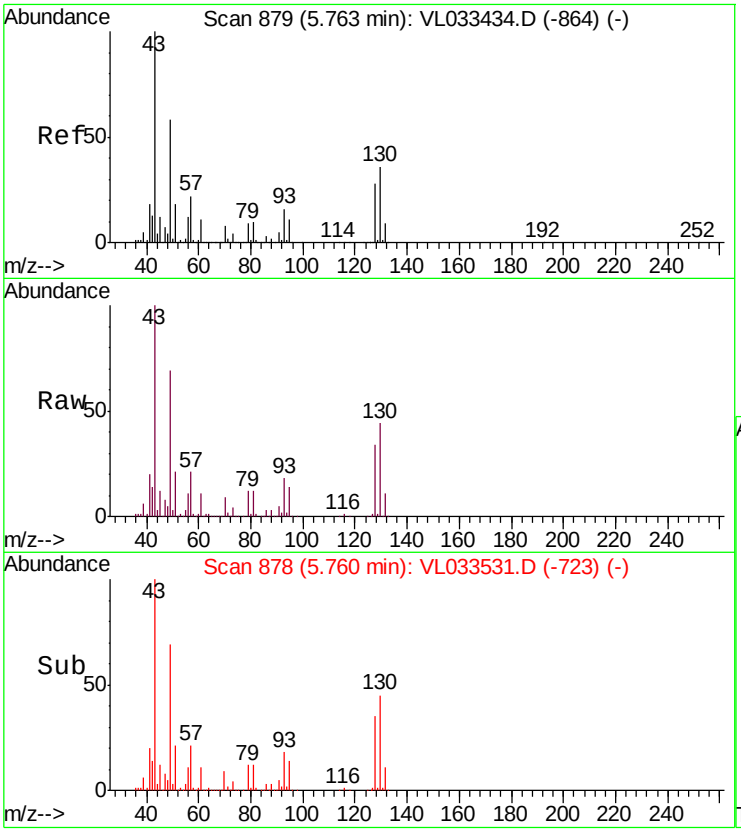
Quantitation Report (Not Reviewed)

Data File : VL033531.D
Acq On : 4 Apr 2019 12:31
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Apr 05 01:54:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration



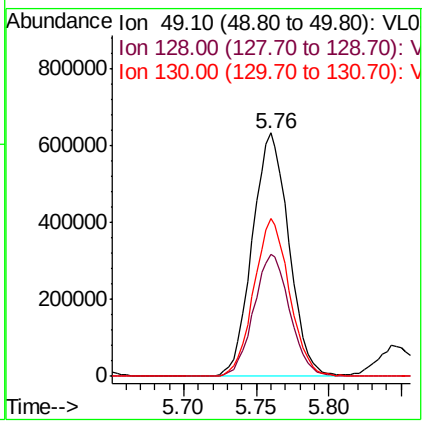


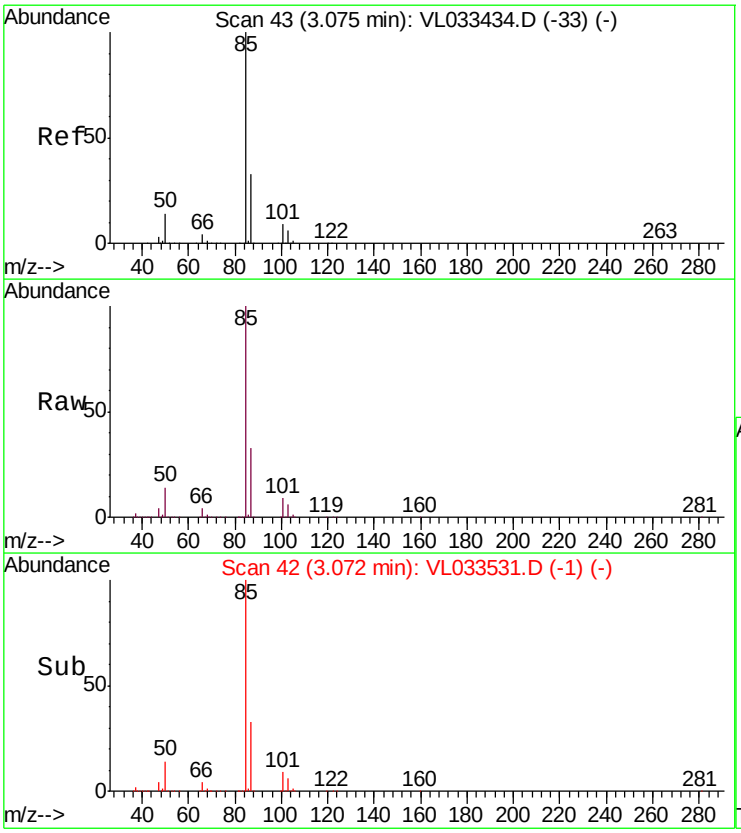
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1112290

Ion	Ratio	Lower	Upper
49	100		
128	49.7	24.0	72.0
130	63.4	31.2	93.6

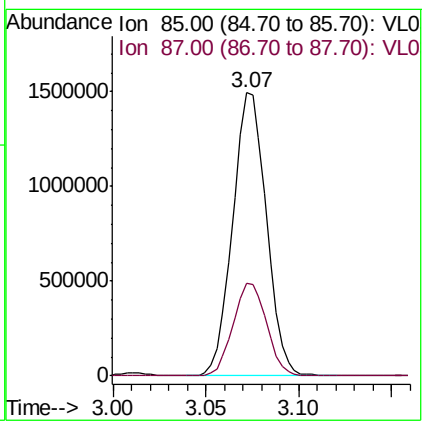


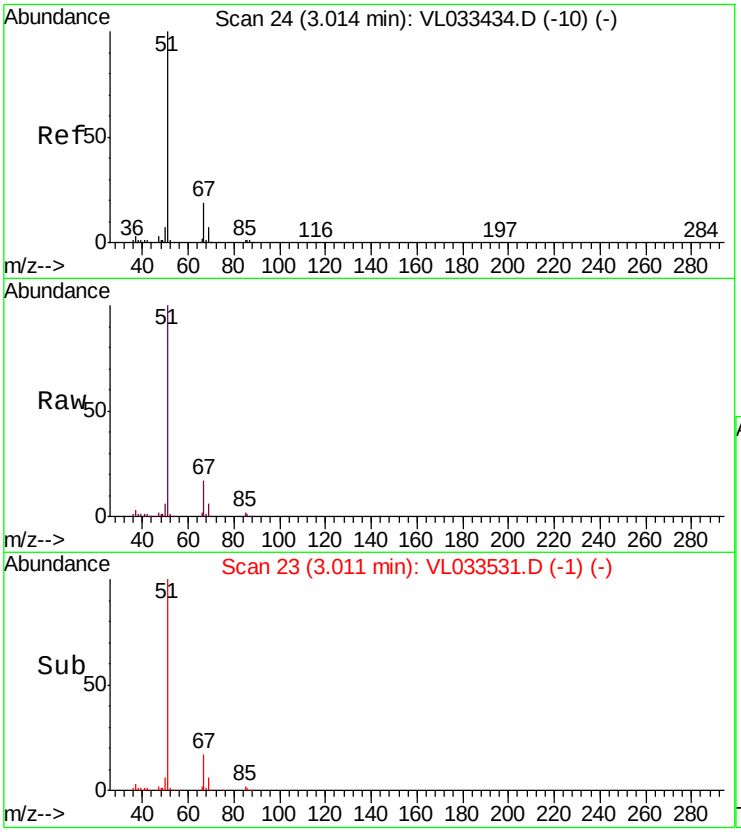


#2
Dichlorodifluoromethane
Concen: 11.605 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 85 Resp: 1882665

Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.7	40.1



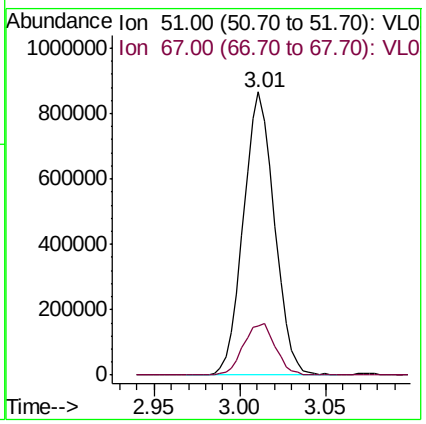


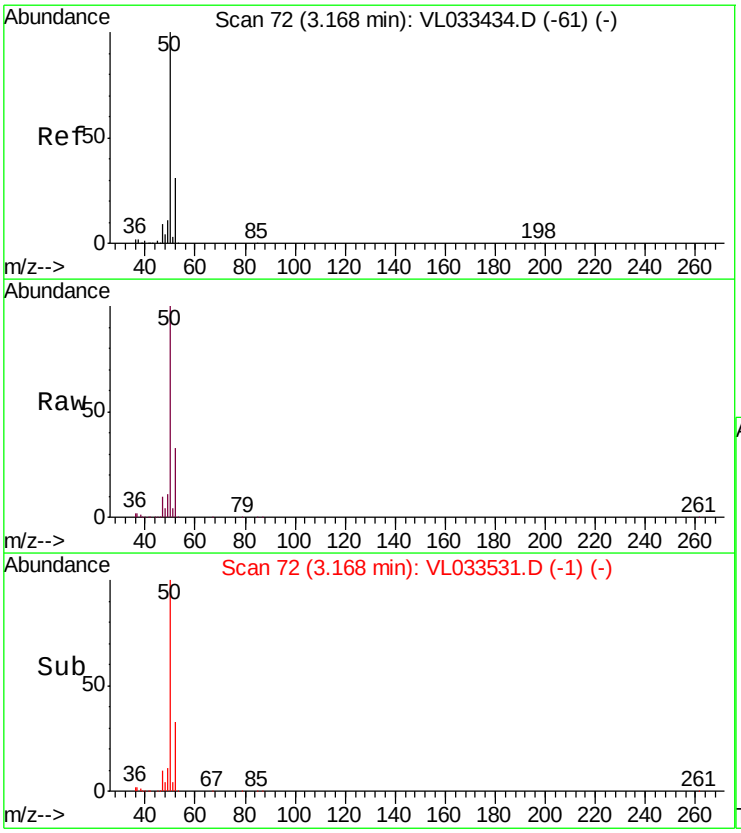
#3
Chlorodifluoromethane
Concen: 8.475 ppbv
RT: 3.01 min Scan# 23
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1085208

Ion	Ratio	Lower	Upper
51	100		
67	18.9	15.7	23.5

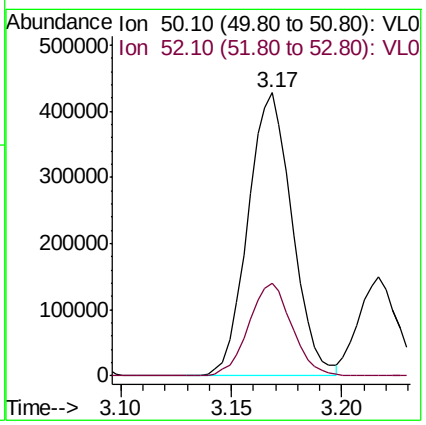


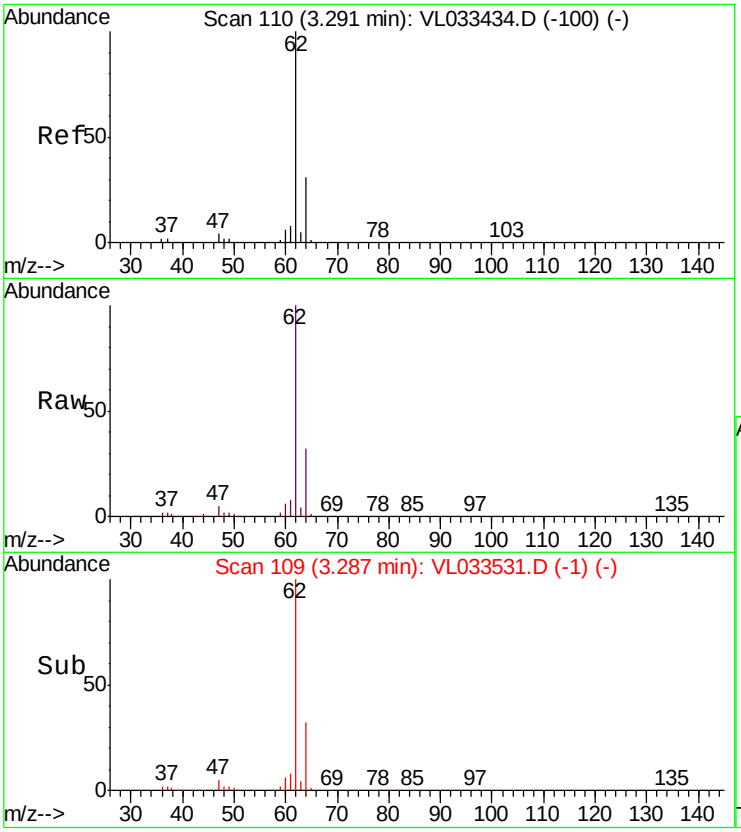


#4
Chloromethane
Concen: 8.757 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 50 Resp: 593399

Ion	Ratio	Lower	Upper
50	100		
52	32.6	25.0	37.6



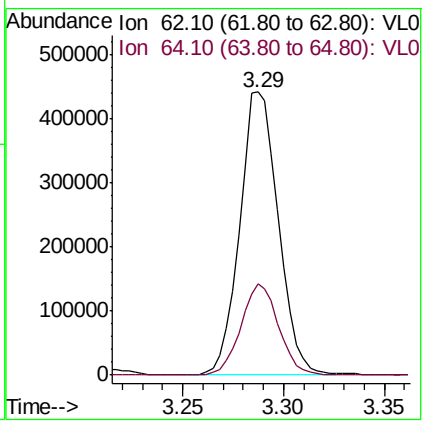


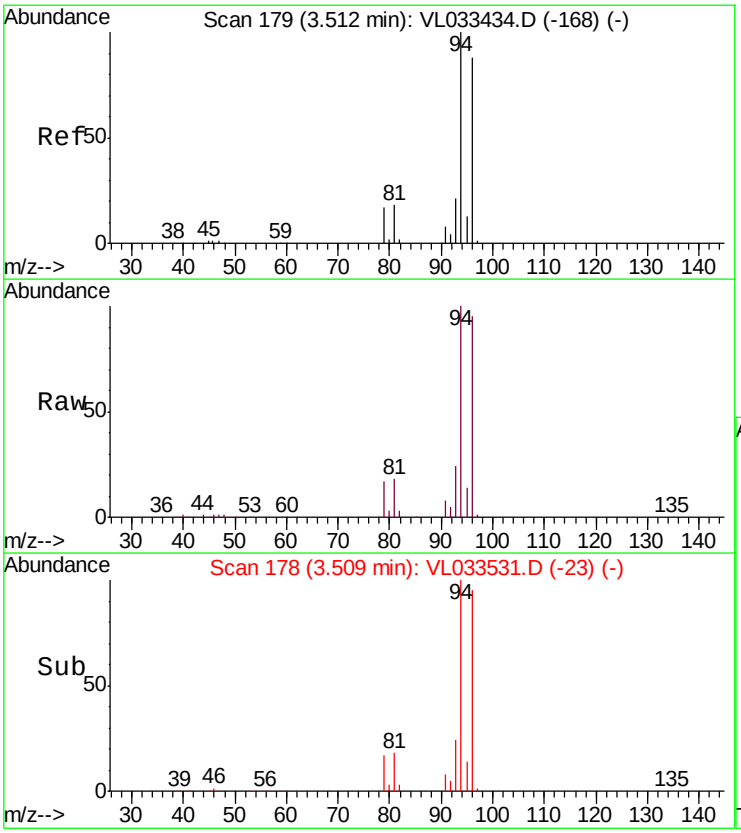
#5
Vinyl Chloride
Concen: 8.916 ppbv
RT: 3.29 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 593631

Ion	Ratio	Lower	Upper
62	100		
64	32.1	24.9	37.3

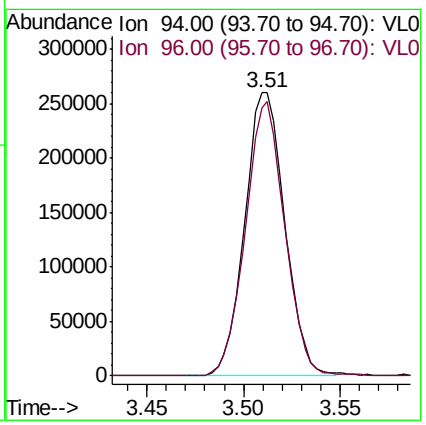


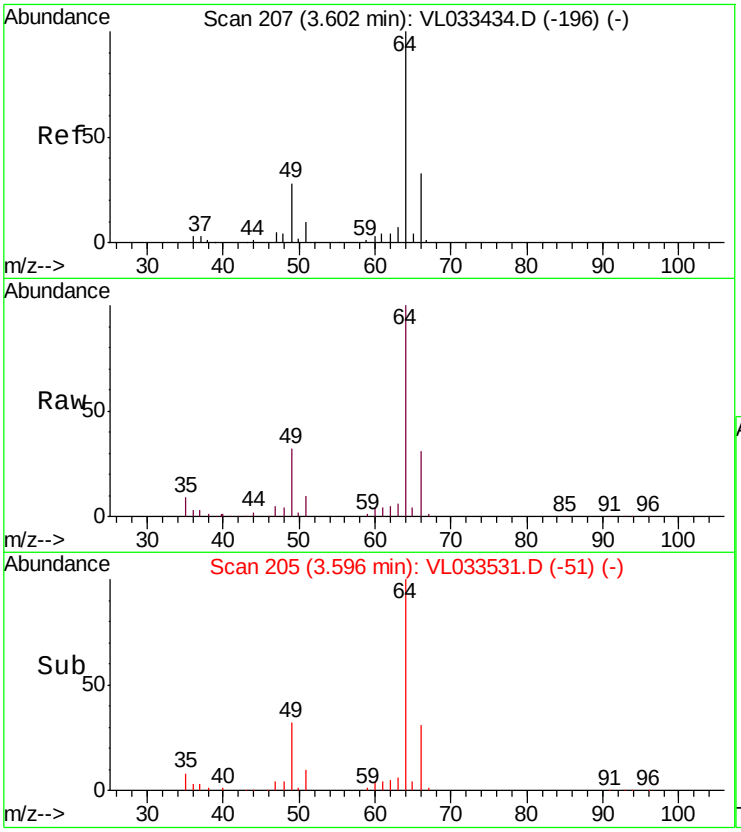


#6
Bromomethane
Concen: 8.775 ppbv
RT: 3.51 min Scan# 178
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 94 Resp: 375445

Ion	Ratio	Lower	Upper
94	100		
96	94.5	70.2	105.2



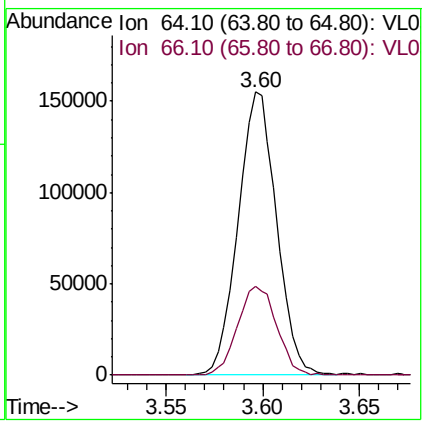


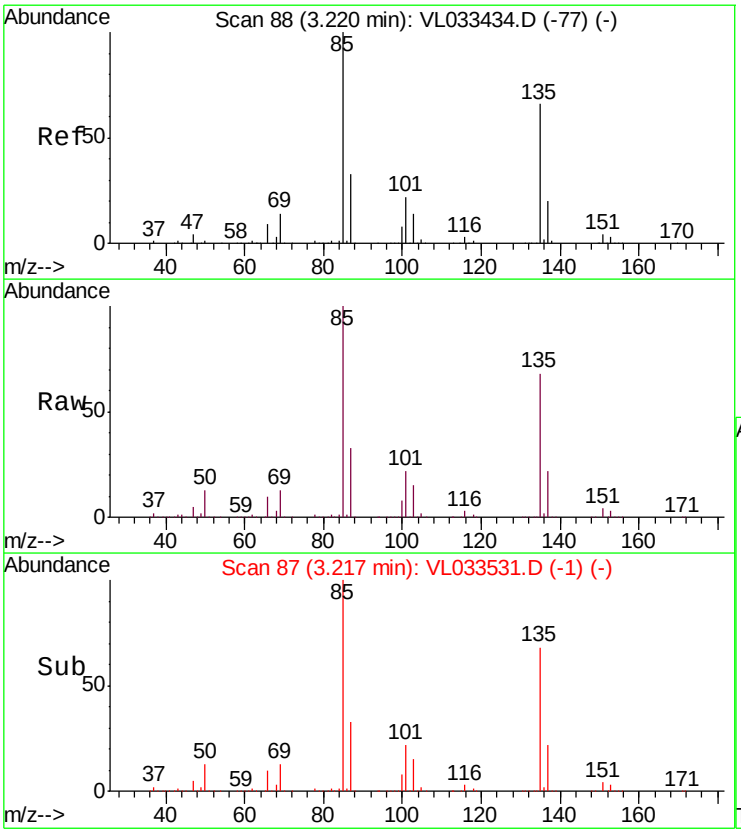
#7
Chloroethane
Concen: 8.630 ppbv
RT: 3.60 min Scan# 205
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 213837

Ion	Ratio	Lower	Upper
64	100		
66	31.2	26.7	40.1

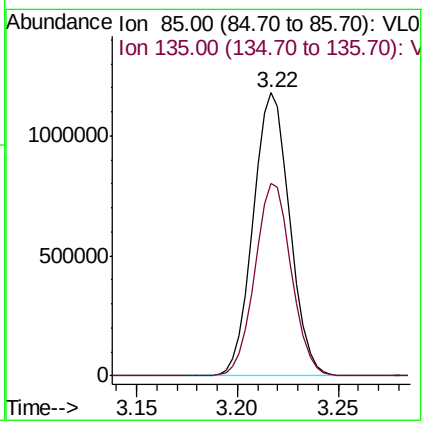


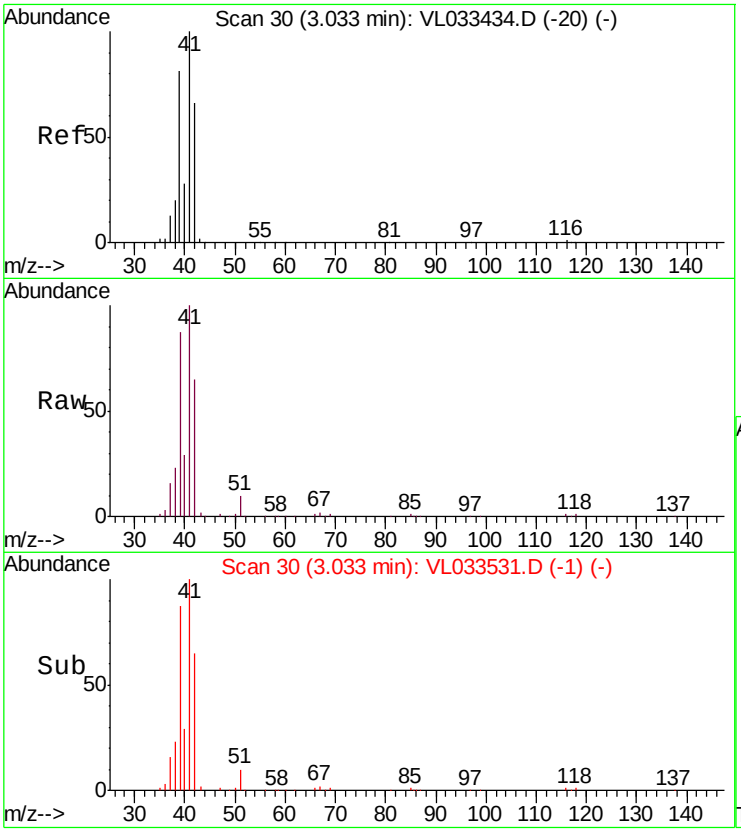


#8
Dichlorotetrafluoroethane
Concen: 8.664 ppbv
RT: 3.22 min Scan# 87
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 85 Resp: 1497589

Ion	Ratio	Lower	Upper
85	100		
135	68.0	54.0	81.0



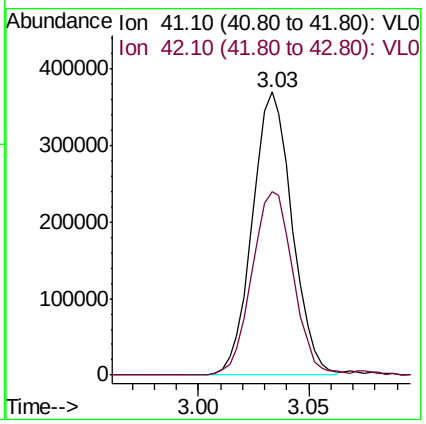


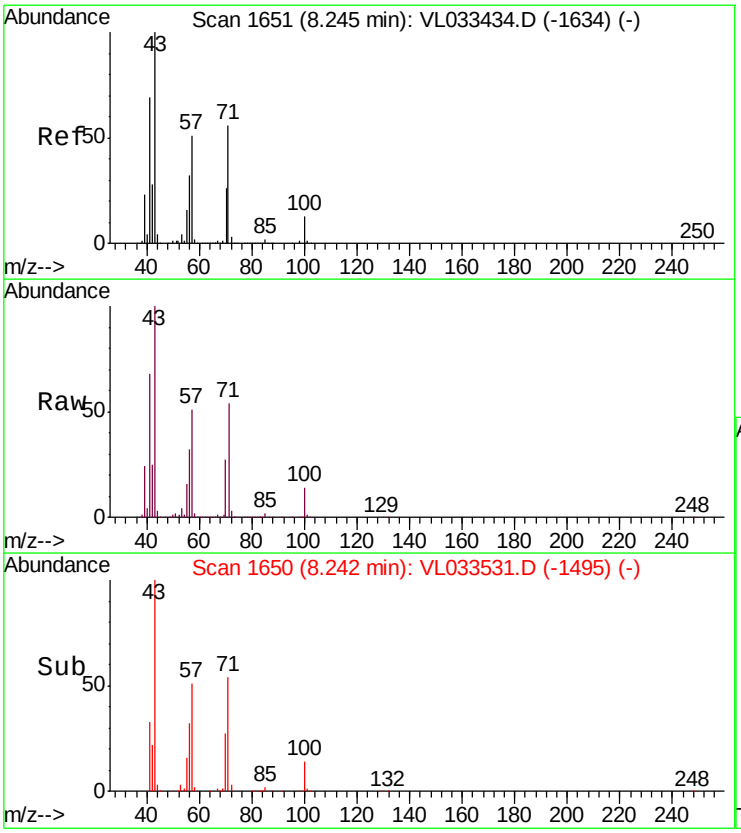
#9
Propene
Concen: 8.630 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 464117

Ion	Ratio	Lower	Upper
41	100		
42	68.5	53.9	80.9

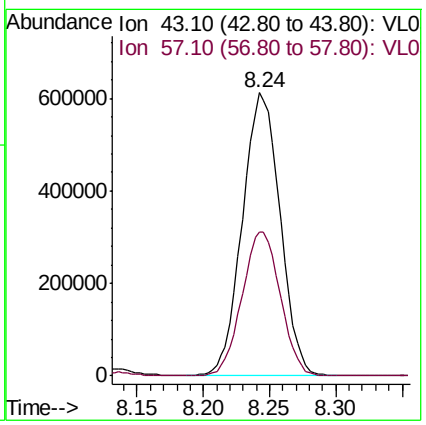


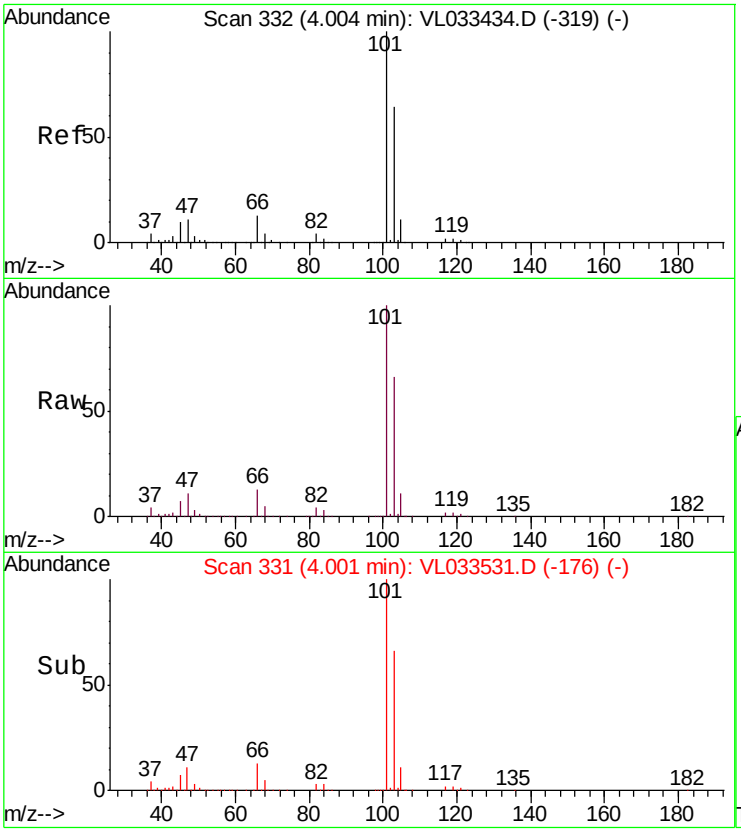


#10
Heptane
Concen: 8.413 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 43 Resp: 1209340

Ion	Ratio	Lower	Upper
43	100		
57	51.6	40.6	60.8



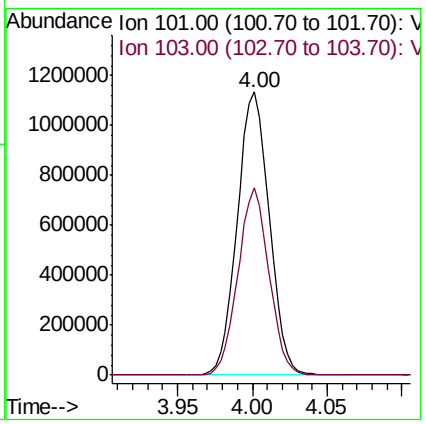


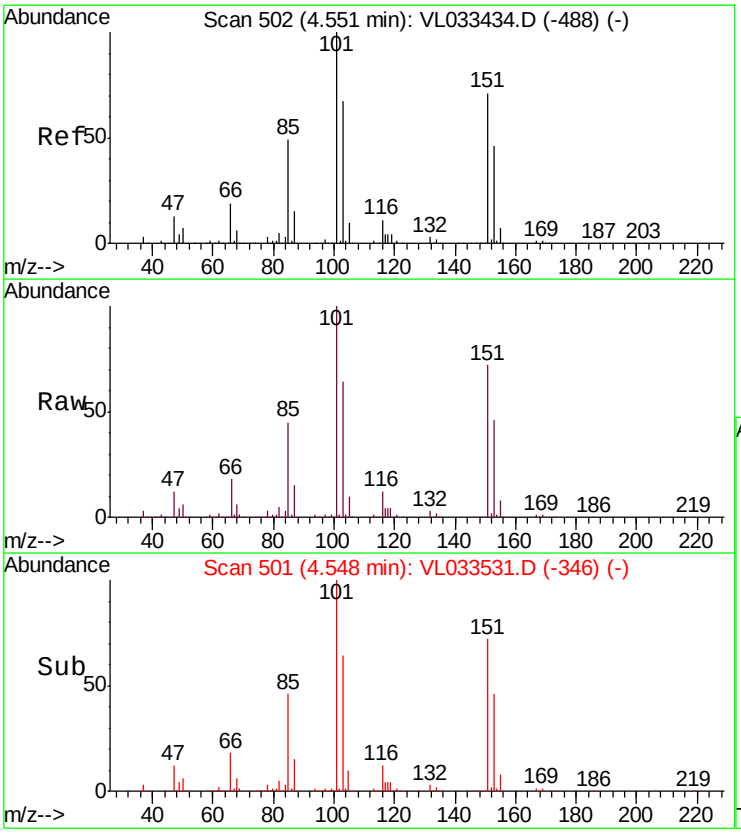
#11
Trichlorofluoromethane
Concen: 8.473 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1693919

Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.3	76.9

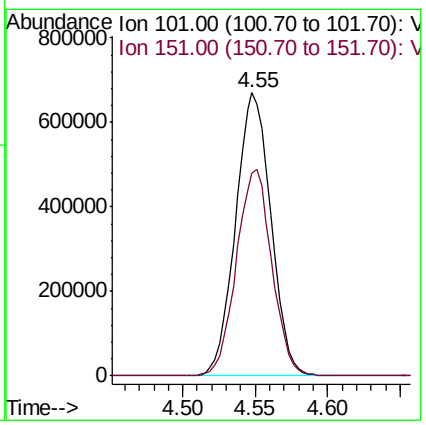


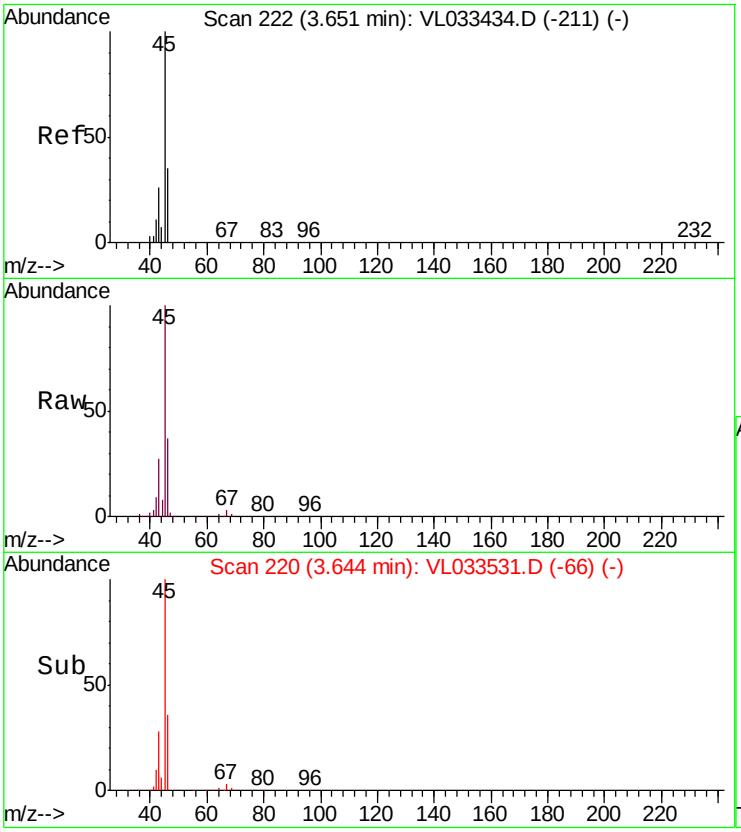


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.458 ppbv
RT: 4.55 min Scan# 501
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion:101 Resp: 1135792

Ion	Ratio	Lower	Upper
101	100		
151	73.1	57.7	86.5



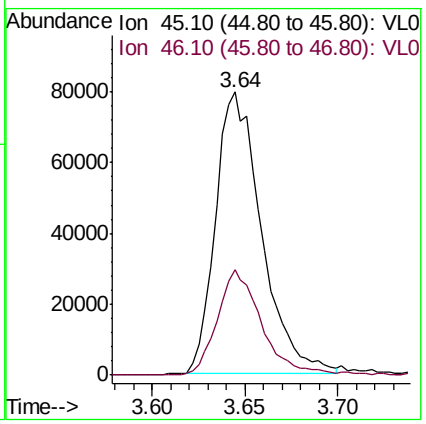


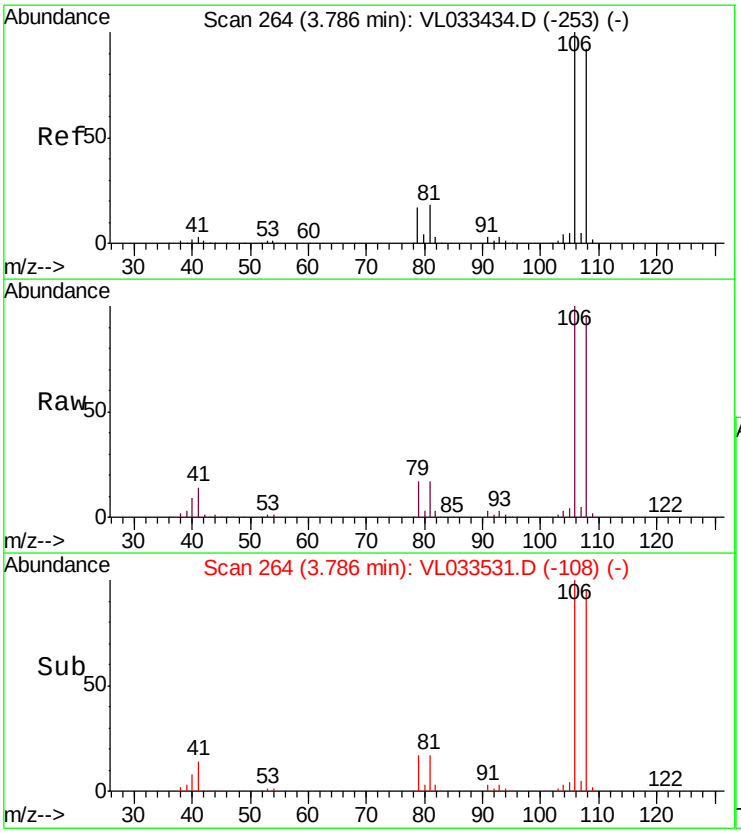
#13
Ethanol
Concen: 9.825 ppbv
RT: 3.64 min Scan# 220
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 136719

Ion	Ratio	Lower	Upper
45	100		
46	36.5	25.4	101.8

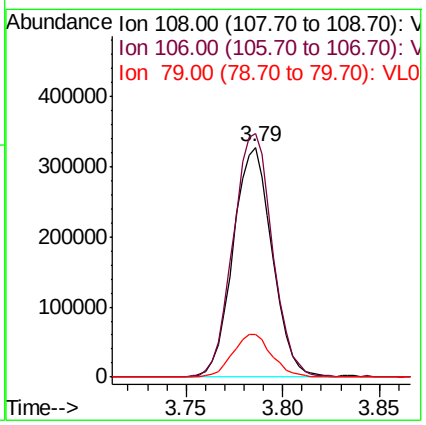


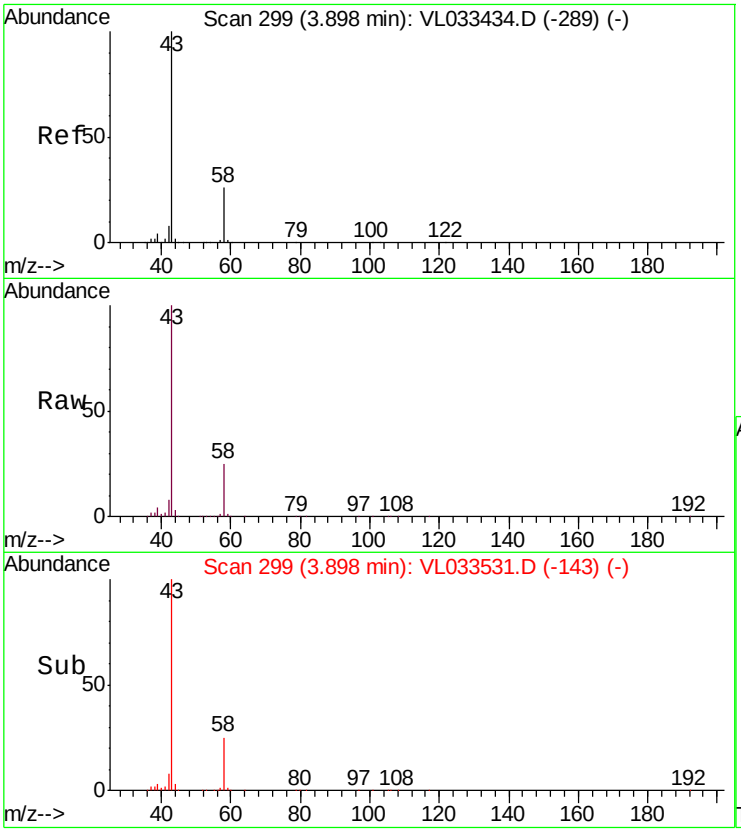


#14
Bromoethene
Concen: 8.601 ppbv
RT: 3.79 min Scan# 264
Delta R.T. 0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion:108 Resp: 460640

Ion	Ratio	Lower	Upper
108	100		
106	107.9	86.4	129.6
79	19.0	15.8	23.8



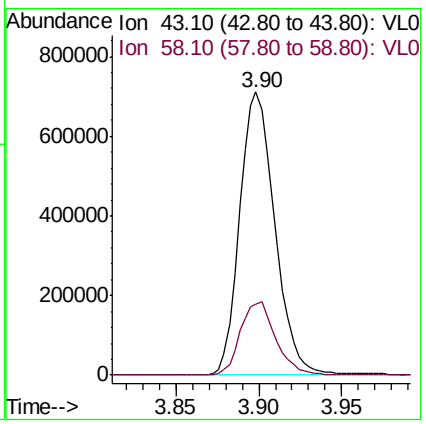


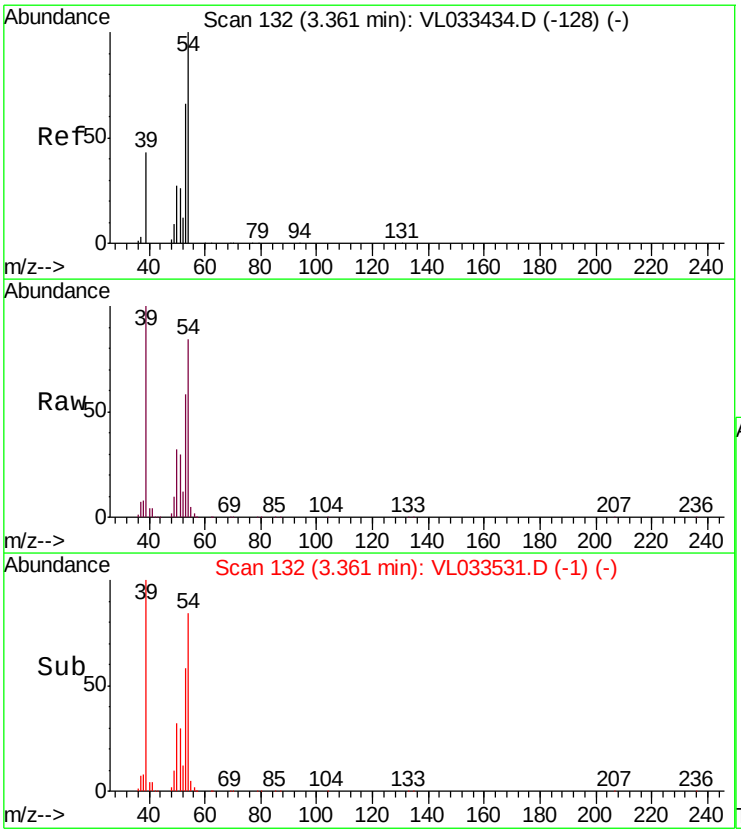
#15
Acetone
Concen: 7.807 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1044089

Ion	Ratio	Lower	Upper
43	100		
58	26.4	20.5	30.7

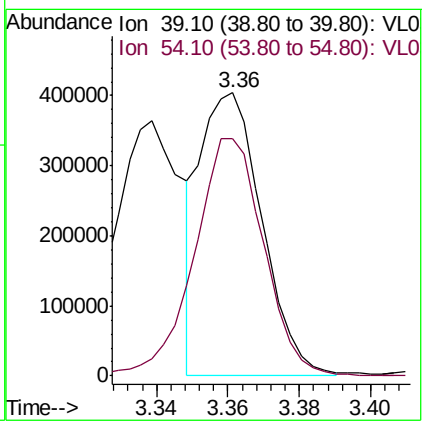


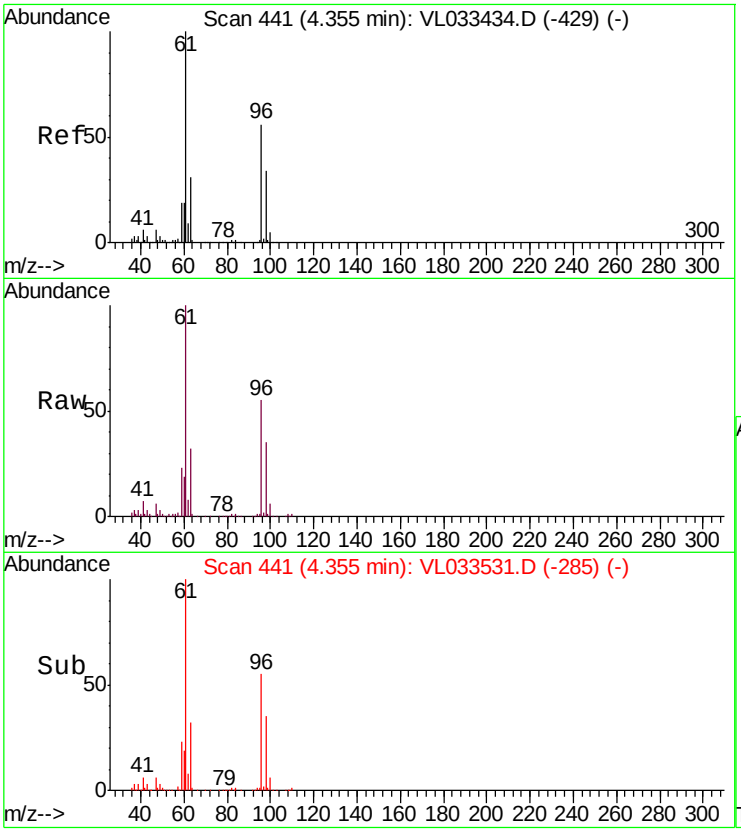


#16
1,3-Butadiene
Concen: 9.092 ppbv
RT: 3.36 min Scan# 132
Delta R.T. 0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 39 Resp: 482304

Ion	Ratio	Lower	Upper
39	100		
54	95.6	69.4	104.2



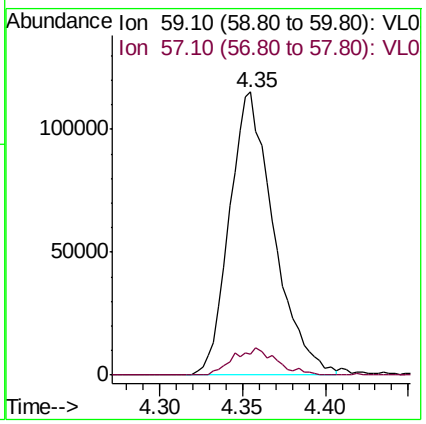


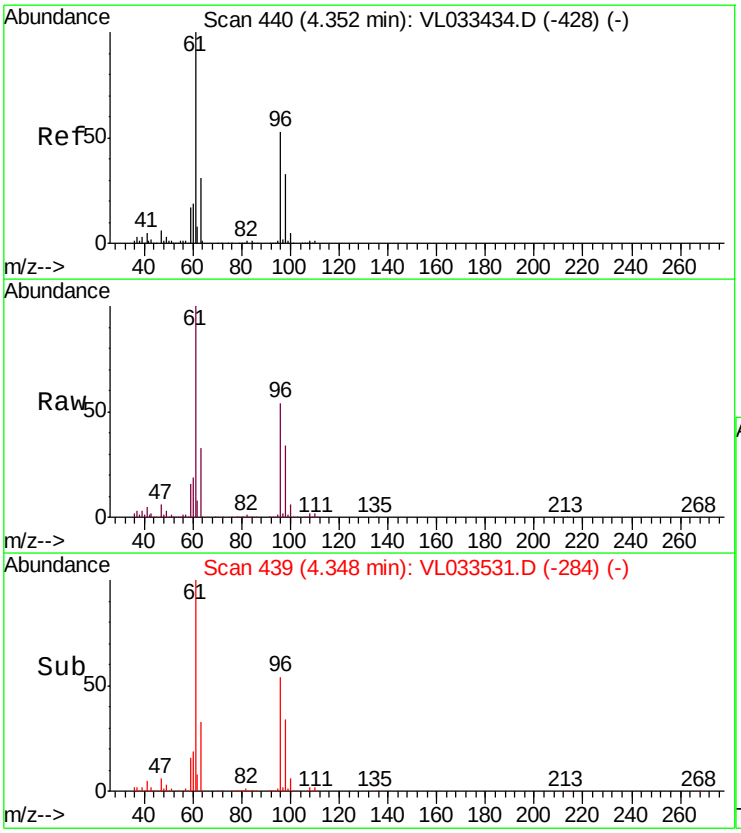
#17
tert-Butyl alcohol
Concen: 8.742 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 214962

Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.8	11.8

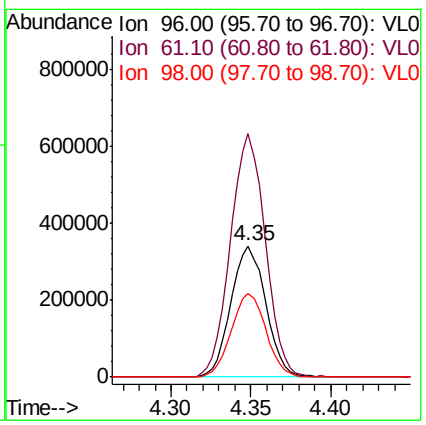


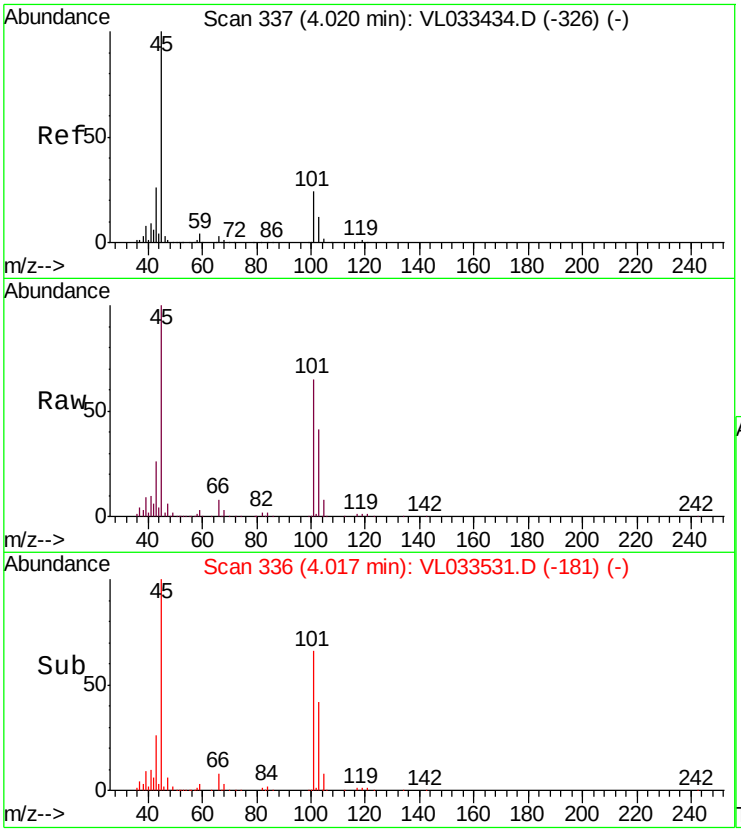


#18
1,1-Dichloroethene
Concen: 8.763 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 96 Resp: 505453

Ion	Ratio	Lower	Upper
96	100		
61	185.4	149.8	224.6
98	63.3	48.7	73.1



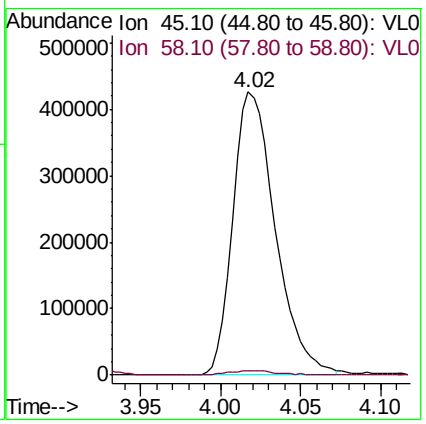


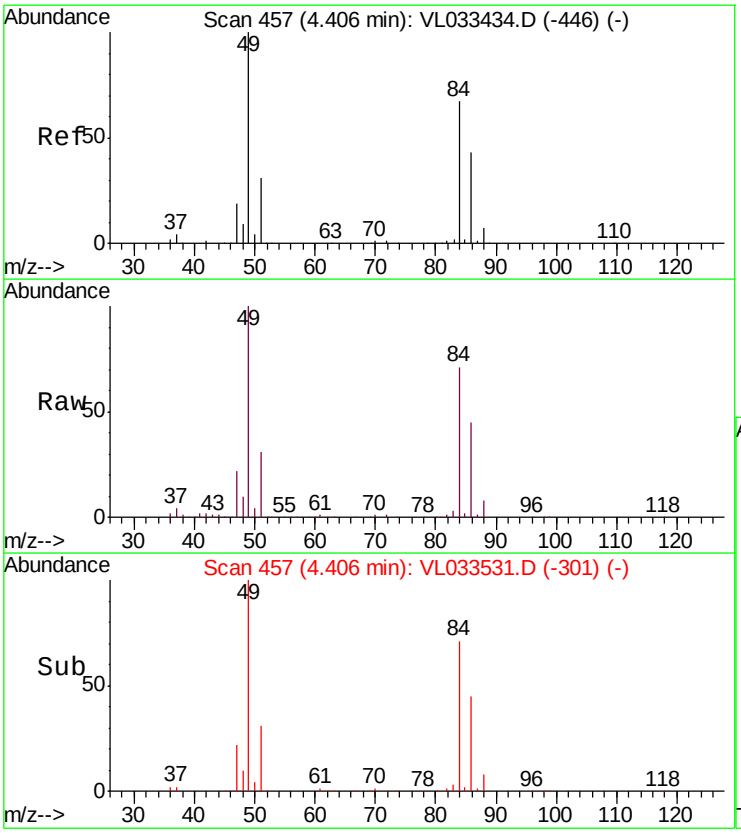
#19
Isopropyl Alcohol
Concen: 9.106 ppbv
RT: 4.02 min Scan# 336
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 770272

Ion	Ratio	Lower	Upper
45	100		
58	1.7	1.4	2.2

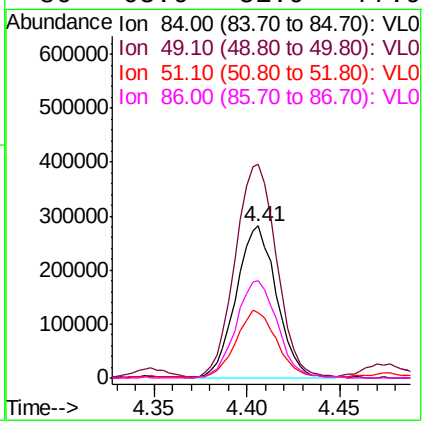


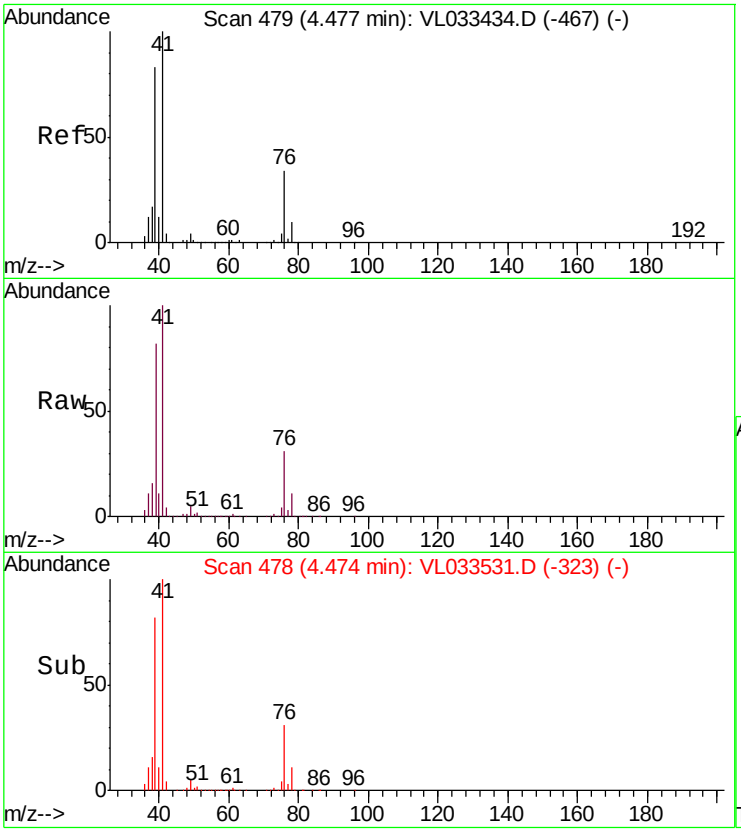


#20
Methylene Chloride
Concen: 7.507 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 84 Resp: 426210

Ion	Ratio	Lower	Upper
84	100		
49	139.4	120.0	180.0
51	42.8	36.7	55.1
86	63.6	51.9	77.9



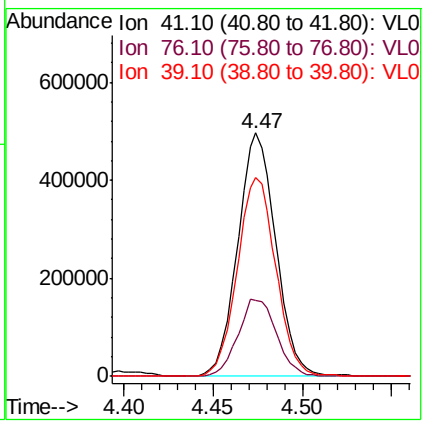


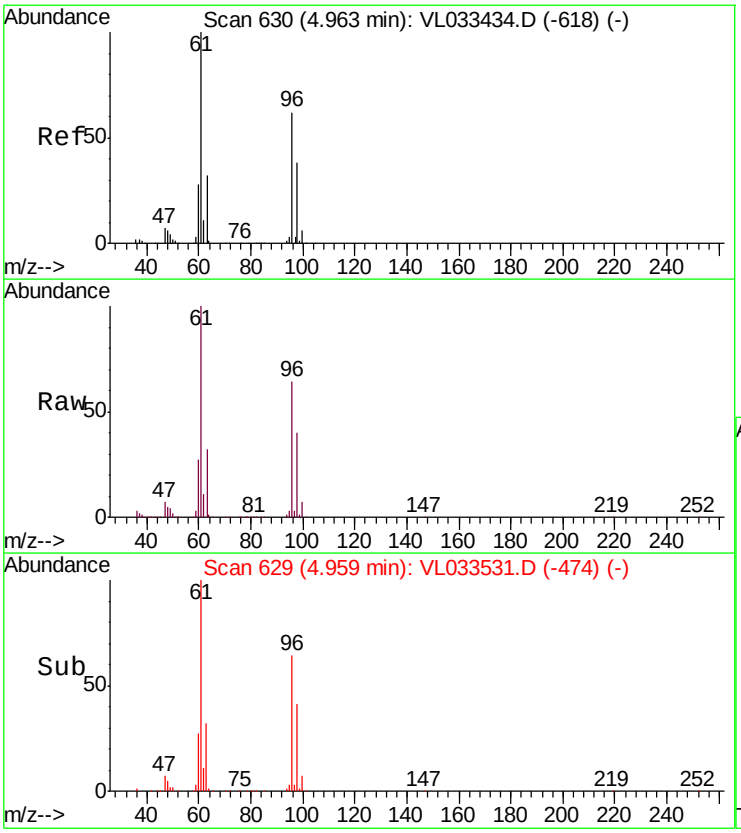
#21
Allyl Chloride
Concen: 8.716 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 736858

Ion	Ratio	Lower	Upper
41	100		
76	32.3	25.4	38.2
39	83.0	65.3	97.9

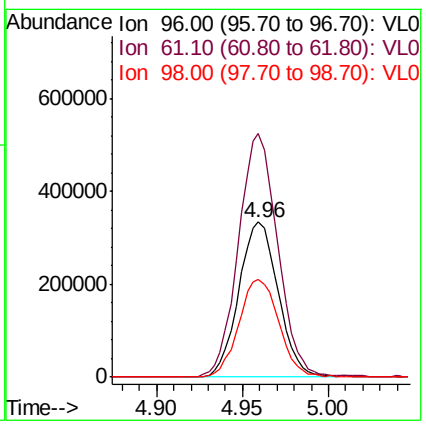


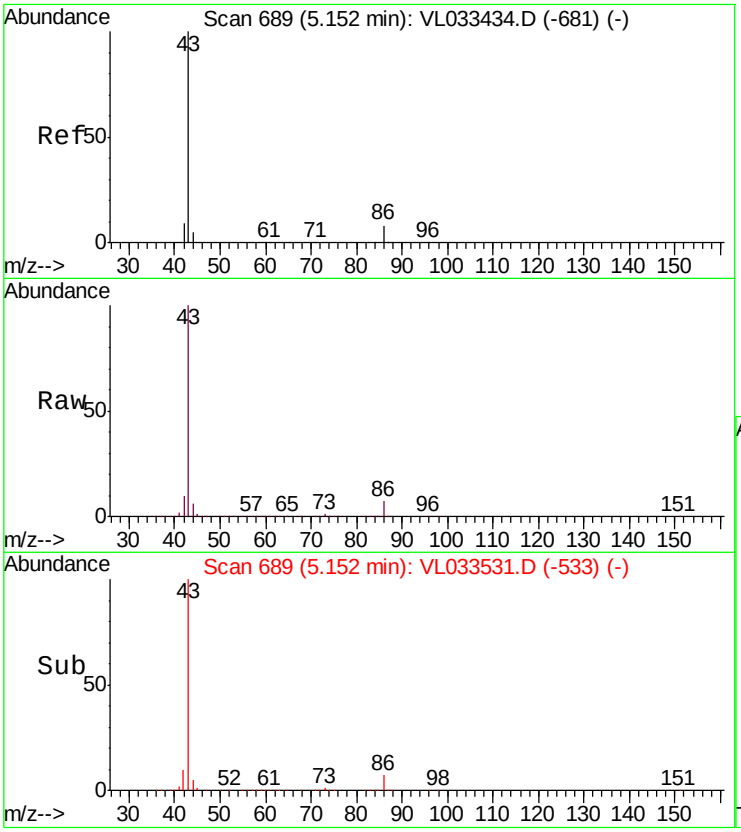


#22
trans-1,2-Dichloroethene
Concen: 8.833 ppbv
RT: 4.96 min Scan# 629
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 96 Resp: 531583

Ion	Ratio	Lower	Upper
96	100		
61	157.4	128.9	193.3
98	63.4	49.5	74.3



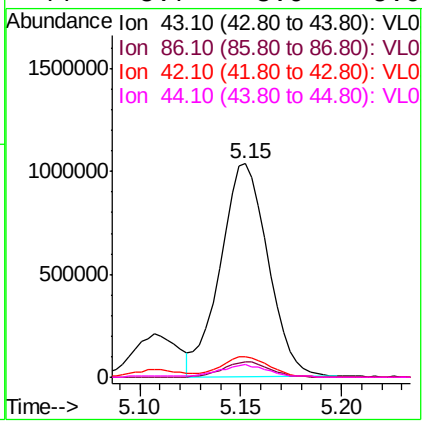


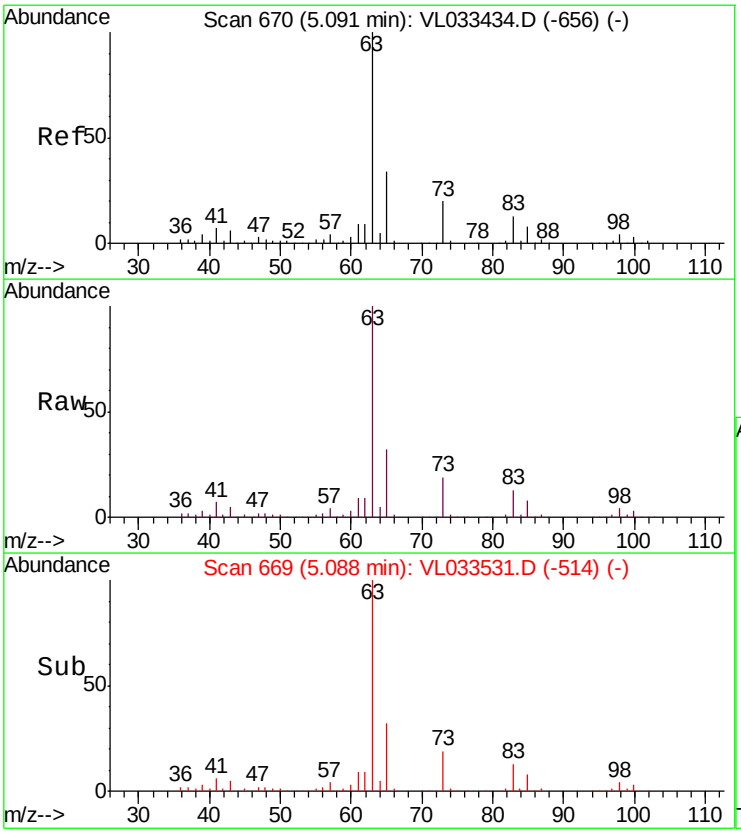
#23
Vinyl Acetate
Concen: 8.967 ppbv
RT: 5.15 min Scan# 689
Delta R.T. 0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1706903

Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.6	8.4
42	9.7	8.0	12.0
44	5.7	3.9	5.9

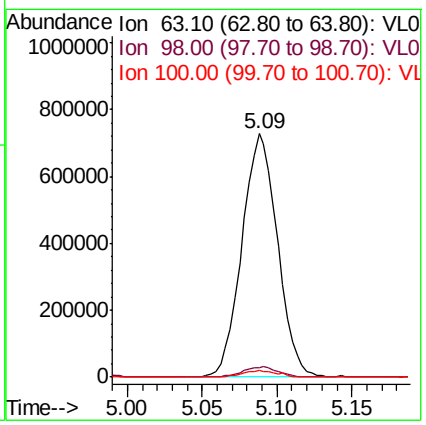


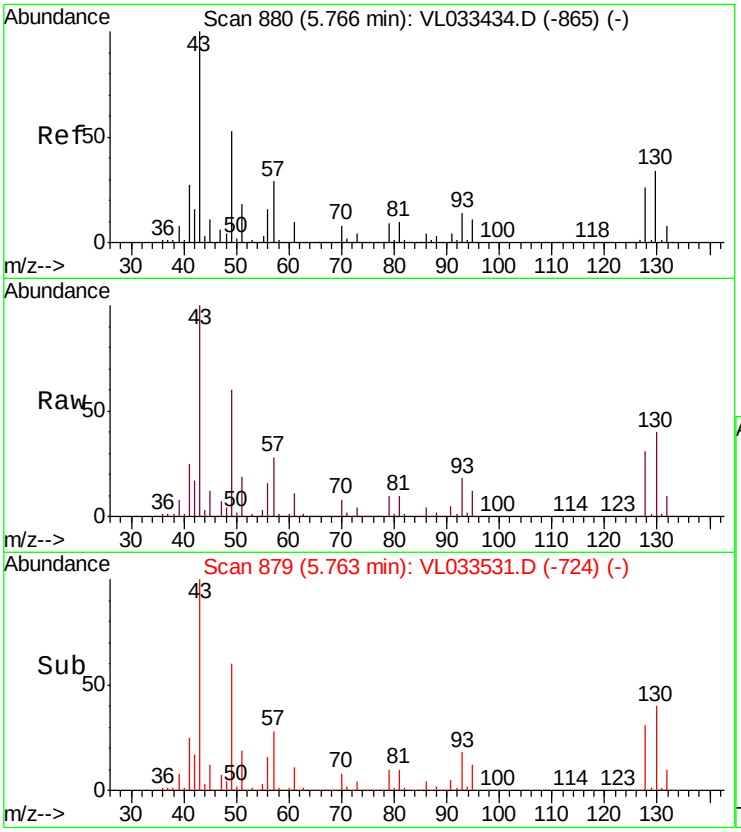


#24
1,1-Dichloroethane
Concen: 8.338 ppbv
RT: 5.09 min Scan# 669
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 63 Resp: 1205656

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.2	6.6
100	2.6	1.5	4.4



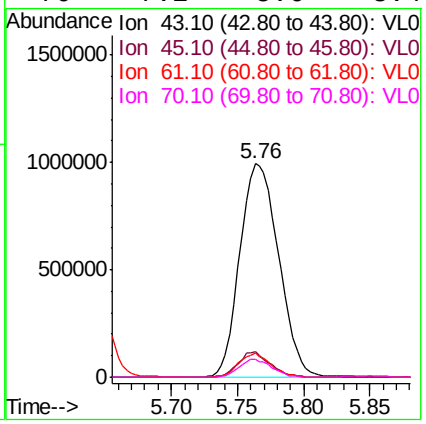


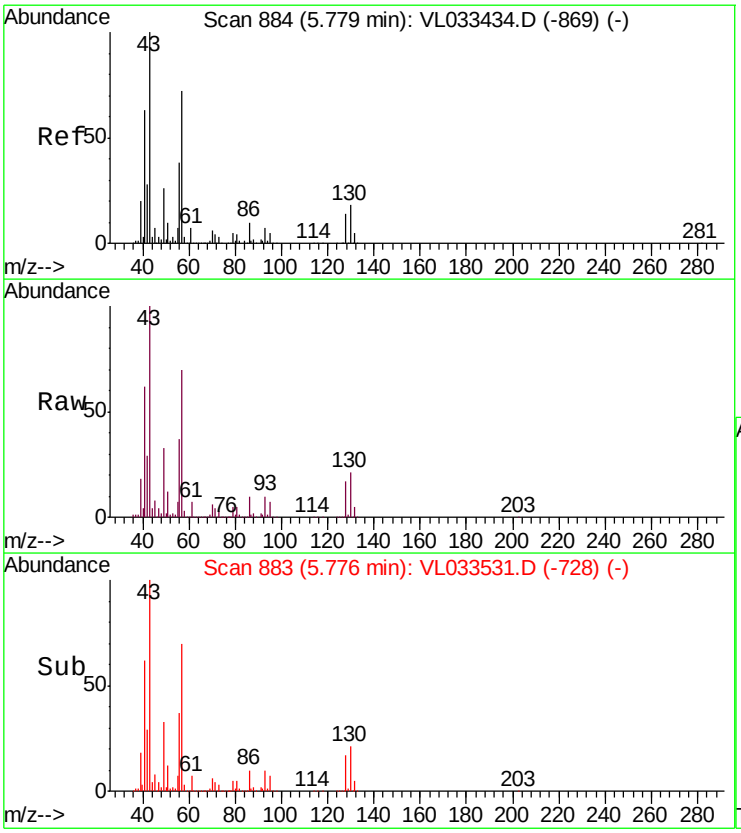
#25
Ethyl Acetate
Concen: 8.174 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2028288

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	9.5	7.3	10.9
70	7.2	5.6	8.4

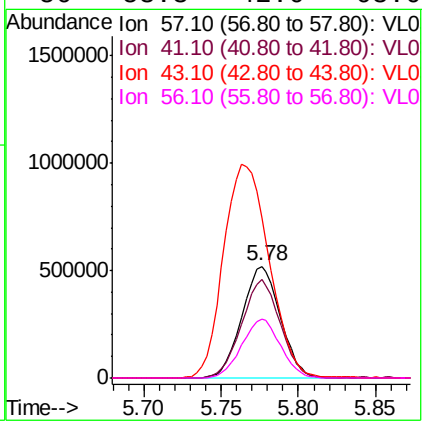


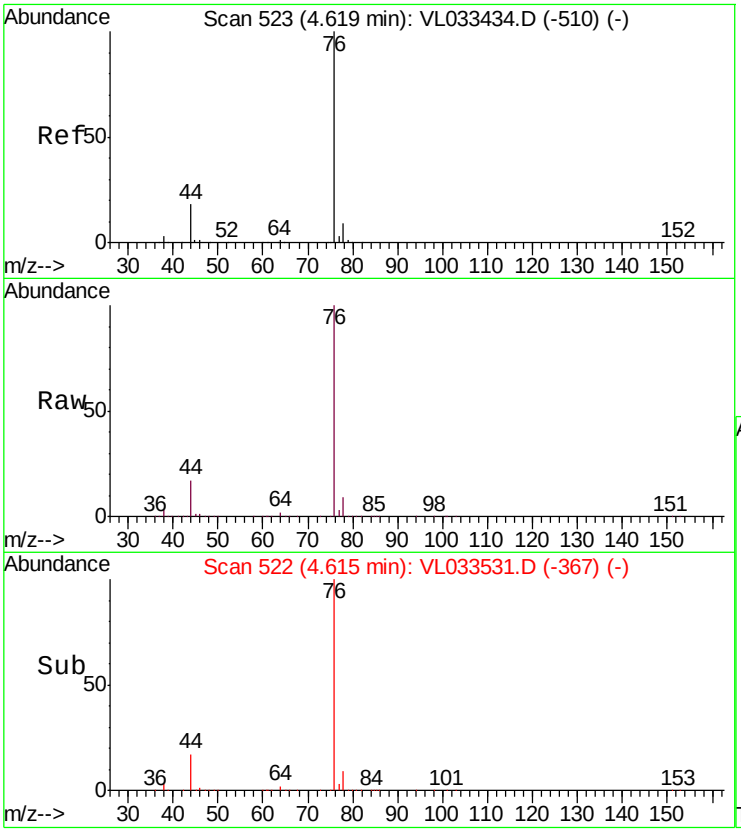


#26
Hexane
Concen: 8.137 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 57 Resp: 897812

Ion	Ratio	Lower	Upper
57	100		
41	88.7	70.7	106.1
43	226.8	182.6	274.0
56	53.3	42.0	63.0



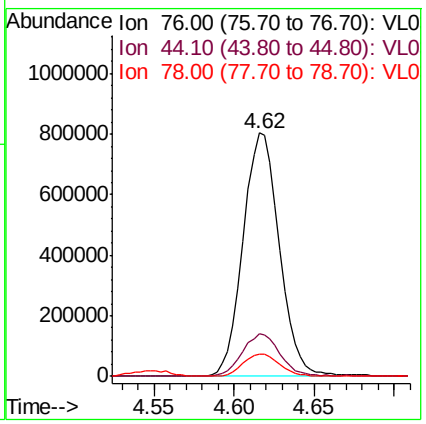


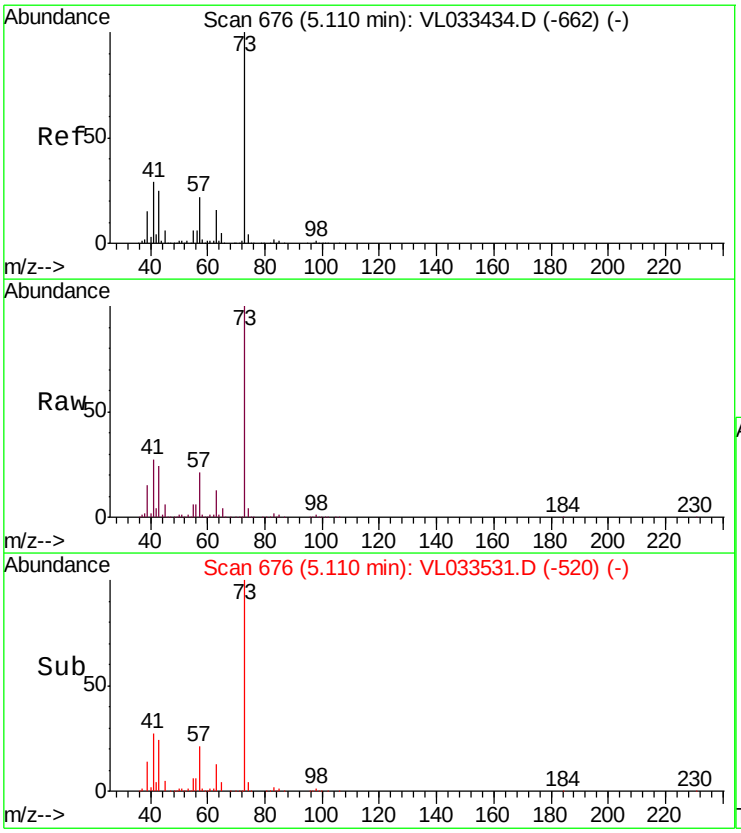
#27
Carbon Disulfide
Concen: 9.468 ppbv
RT: 4.62 min Scan# 522
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 1242164

Ion	Ratio	Lower	Upper
76	100		
44	17.8	14.8	22.2
78	9.3	7.6	11.4

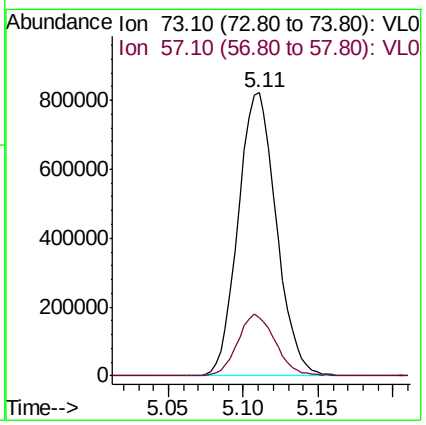


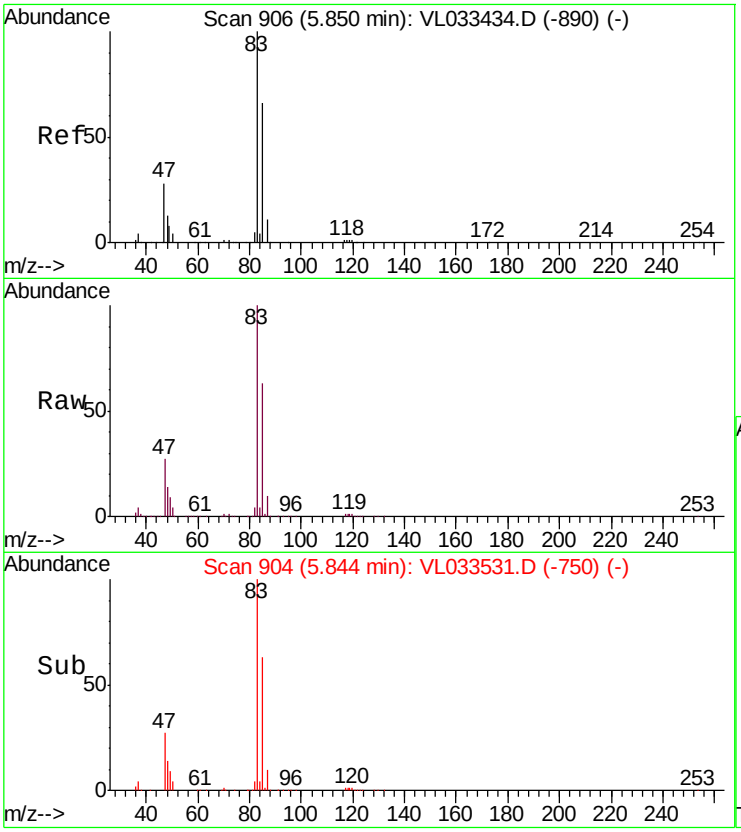


#28
Methyl tert-Butyl Ether
Concen: 9.204 ppbv
RT: 5.11 min Scan# 676
Delta R.T. 0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 73 Resp: 1462655

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.2



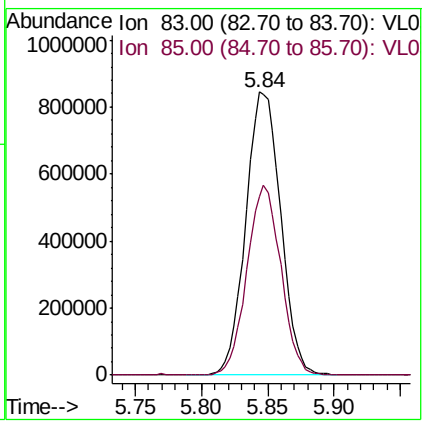


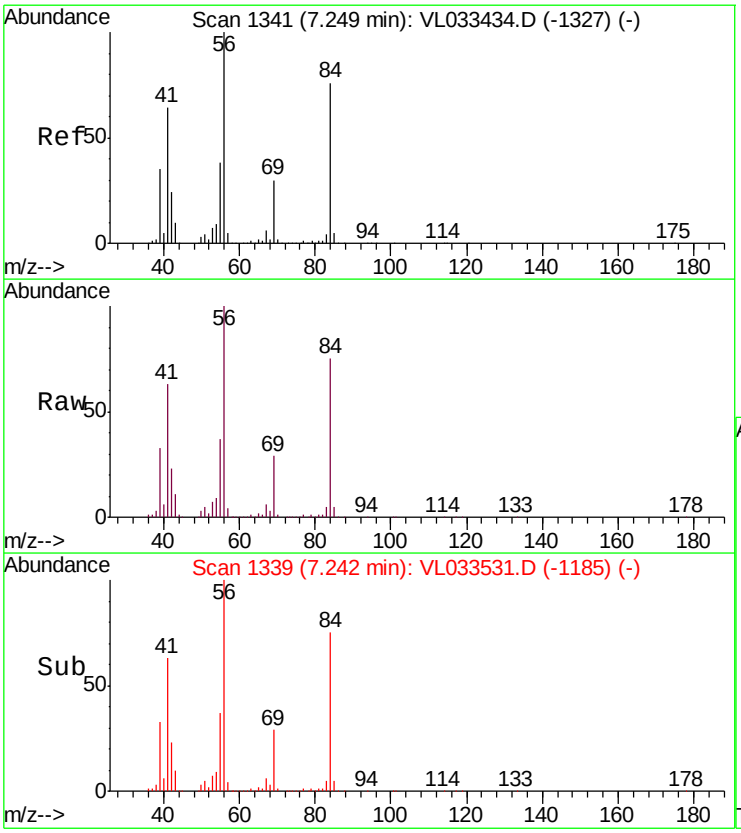
#29
Chloroform
Concen: 8.213 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1553230

Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.6	79.0

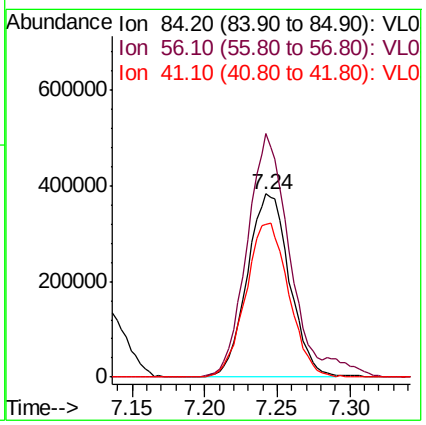


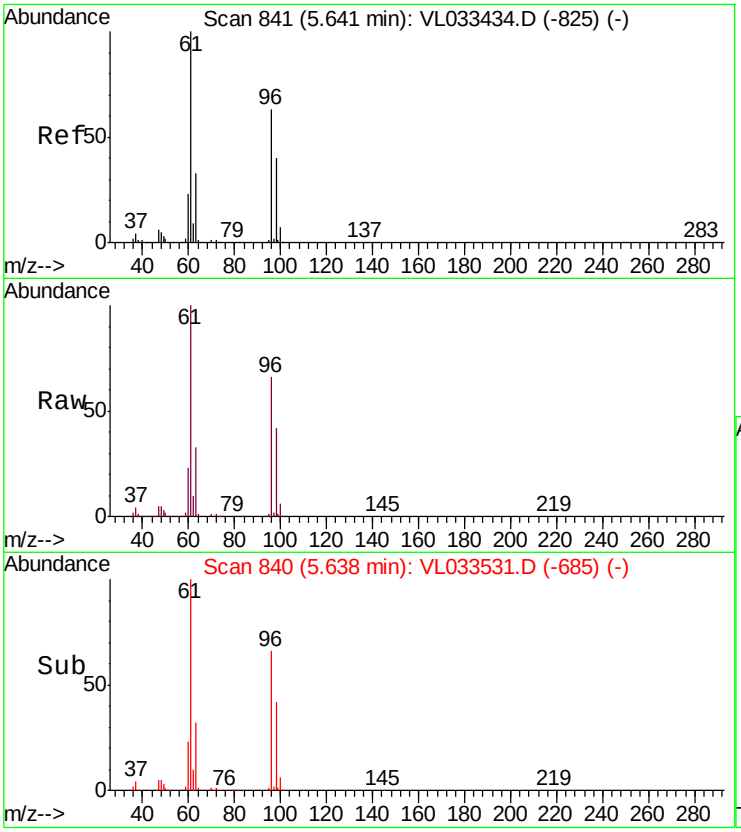


#30
Cyclohexane
Concen: 8.925 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 84 Resp: 778980

Ion	Ratio	Lower	Upper
84	100		
56	135.9	109.7	164.5
41	85.3	68.2	102.2



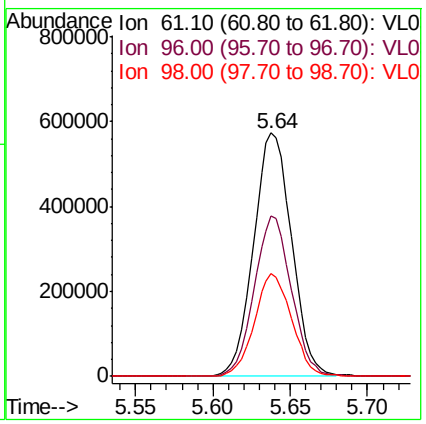


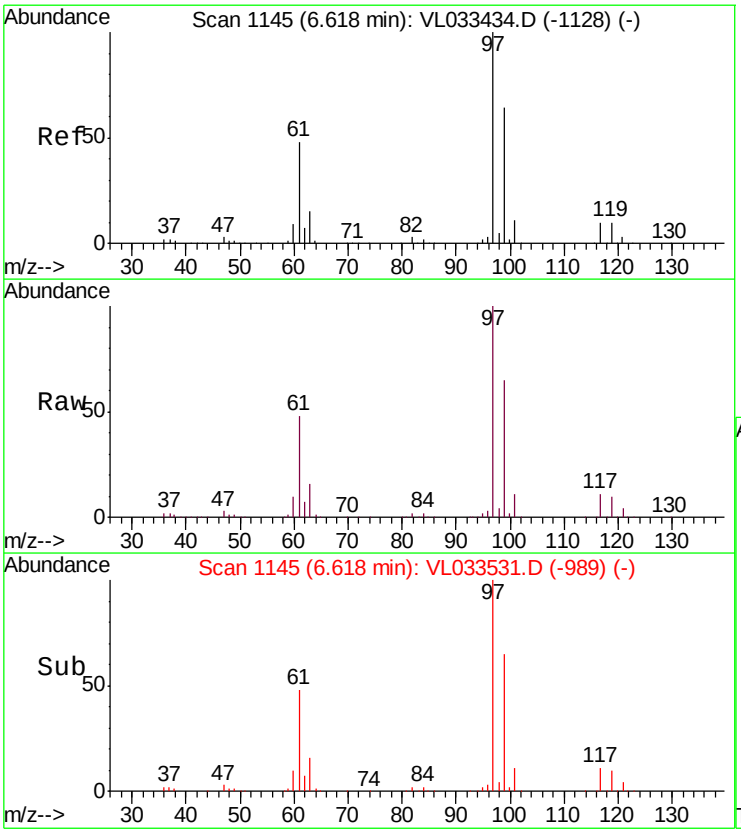
#31
cis-1,2-Dichloroethene
Concen: 8.936 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 980163

Ion	Ratio	Lower	Upper
61	100		
96	65.8	50.6	76.0
98	42.1	32.2	48.2

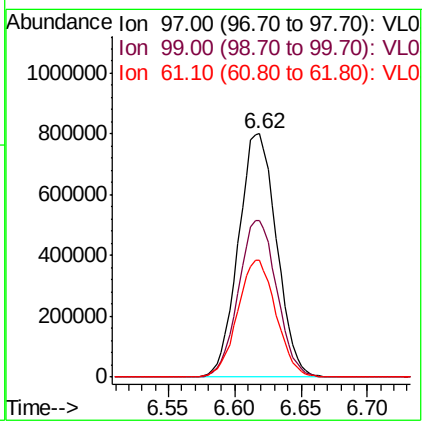


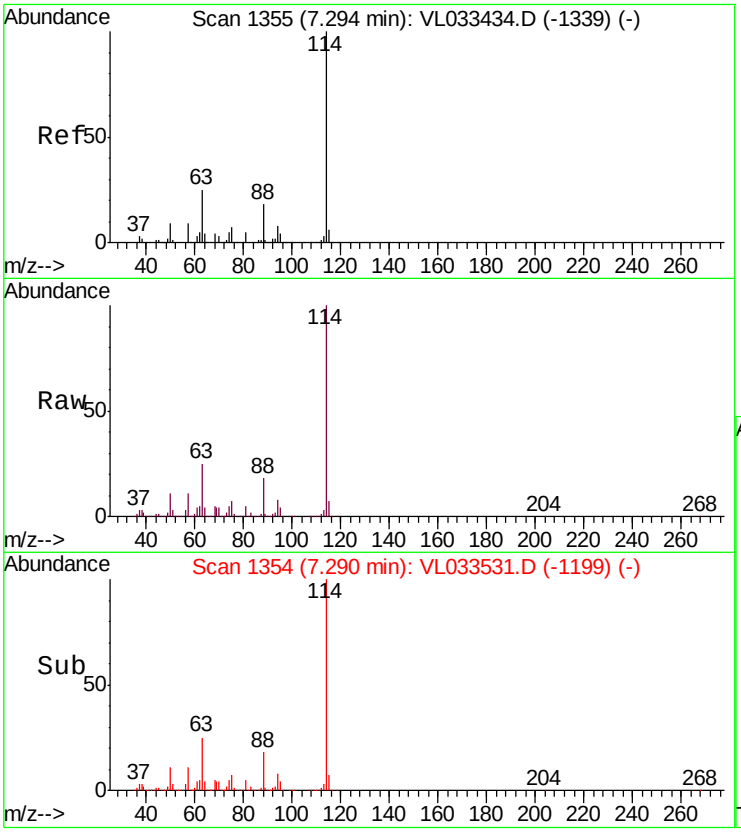


#32
1,1,1-Trichloroethane
Concen: 8.930 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 97 Resp: 1608287

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.5	77.3
61	48.3	38.8	58.2



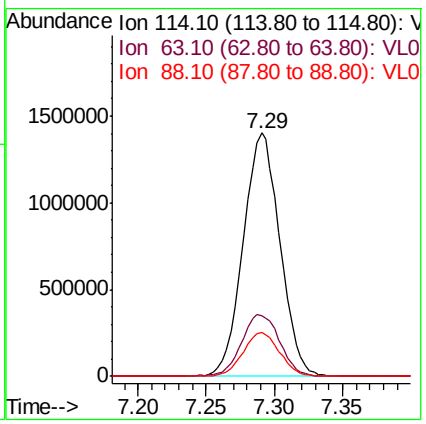


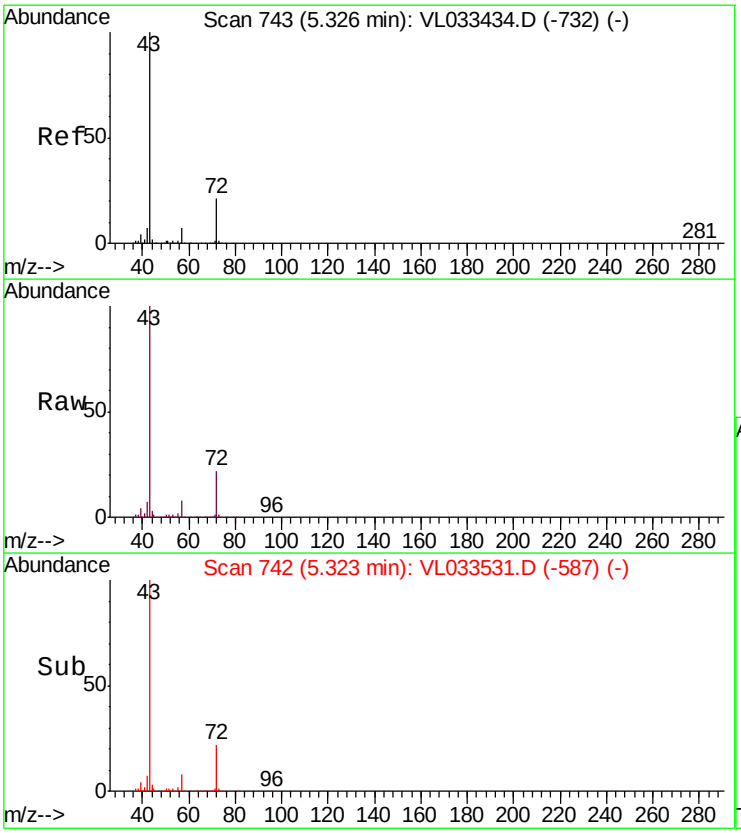
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 2617158

Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.5	32.3
88	17.9	14.5	21.7

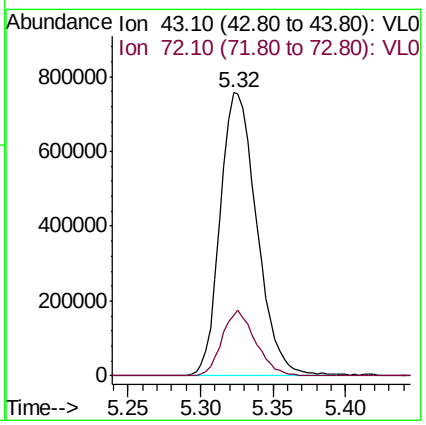


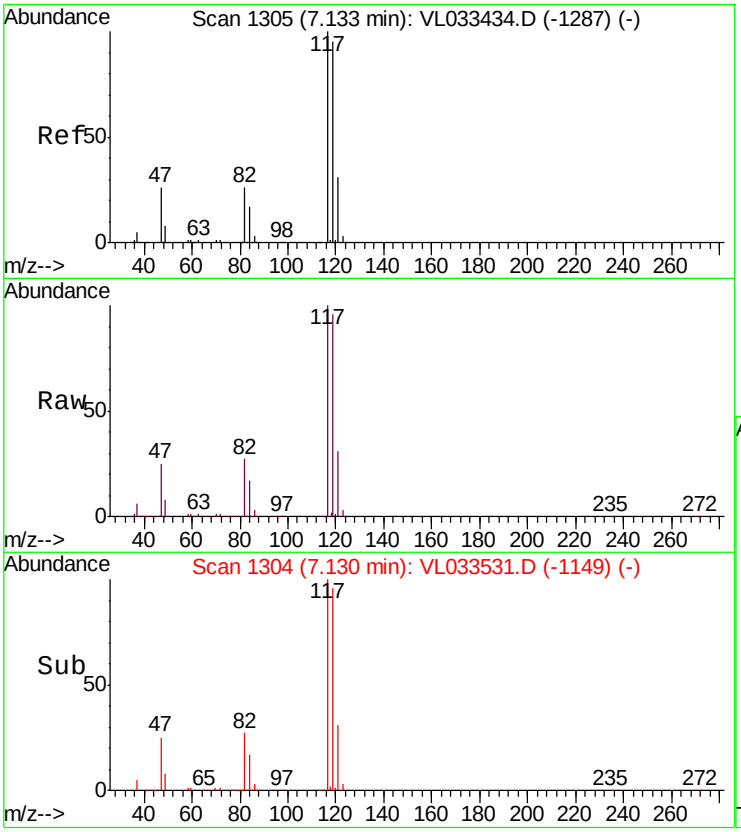


#34
2-Butanone
Concen: 8.414 ppbv
RT: 5.32 min Scan# 742
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 43 Resp: 1322956

Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.4	26.2



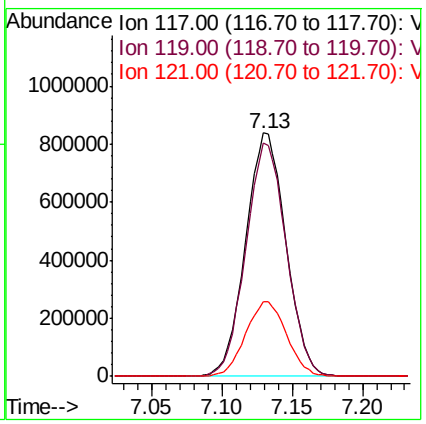


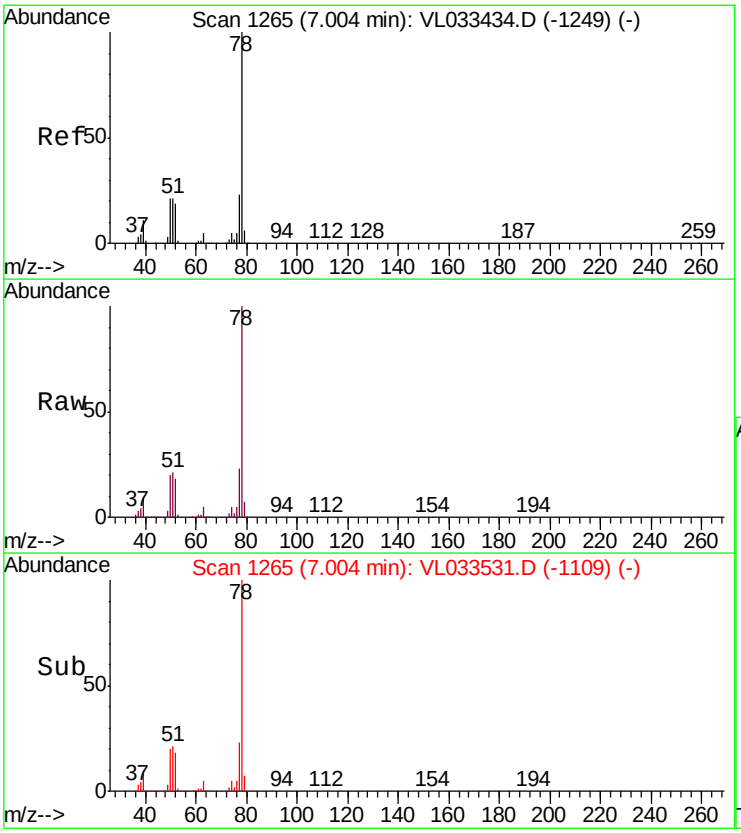
#35
Carbon Tetrachloride
Concen: 9.051 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1677740

Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.8	113.8
121	30.9	24.7	37.1

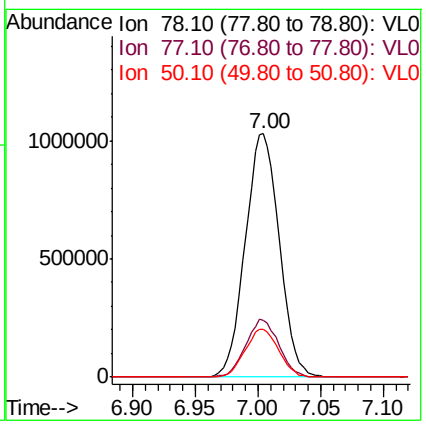


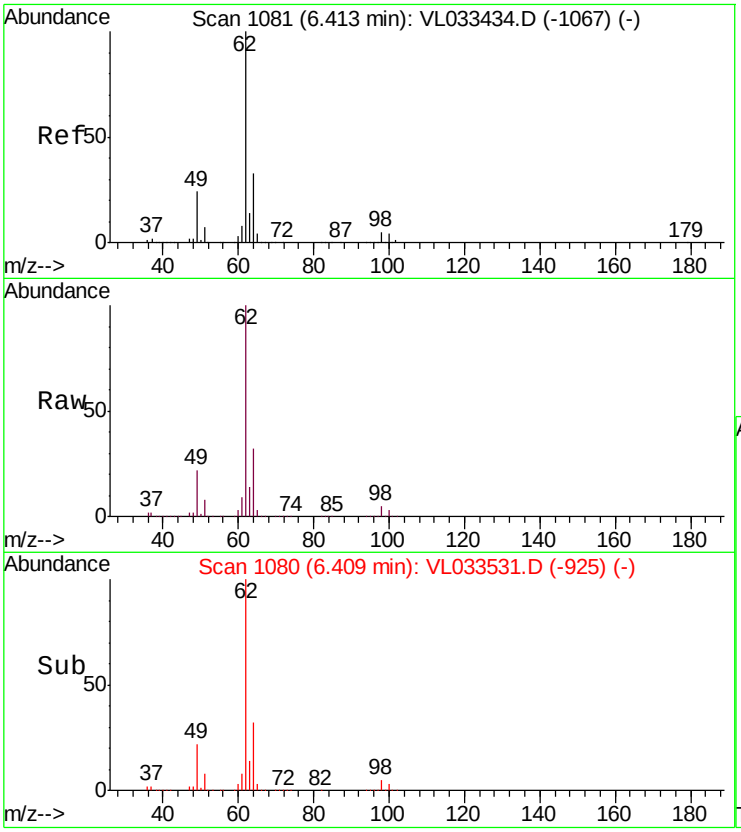


#36
Benzene
Concen: 8.856 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 78 Resp: 1944651

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.1	27.1
50	19.6	16.7	25.1



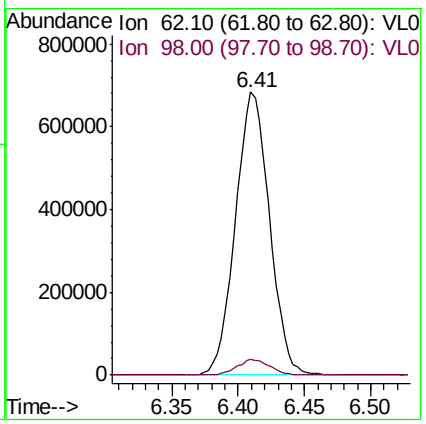


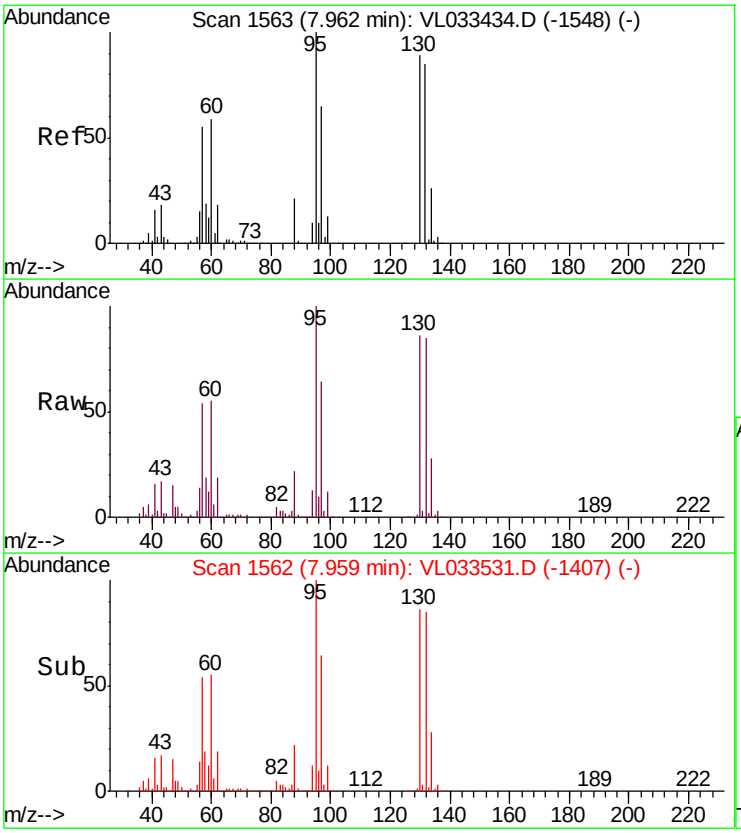
#37
1,2-Dichloroethane
Concen: 8.298 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 1221387

Ion	Ratio	Lower	Upper
62	100		
98	5.4	4.4	6.6

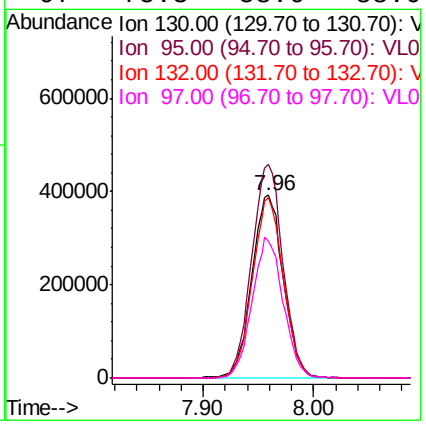


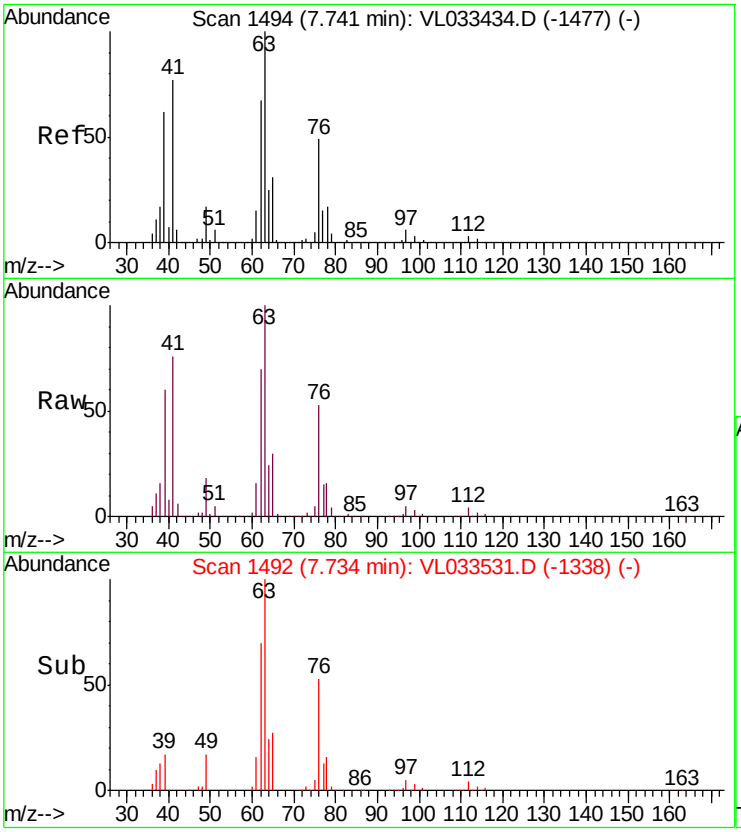


#38
Trichloroethene
Concen: 9.325 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion:130 Resp: 770658

Ion	Ratio	Lower	Upper
130	100		
95	117.0	89.8	134.8
132	99.1	76.6	115.0
97	75.3	58.6	88.0



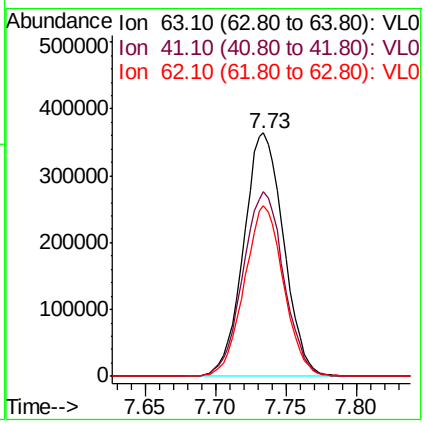


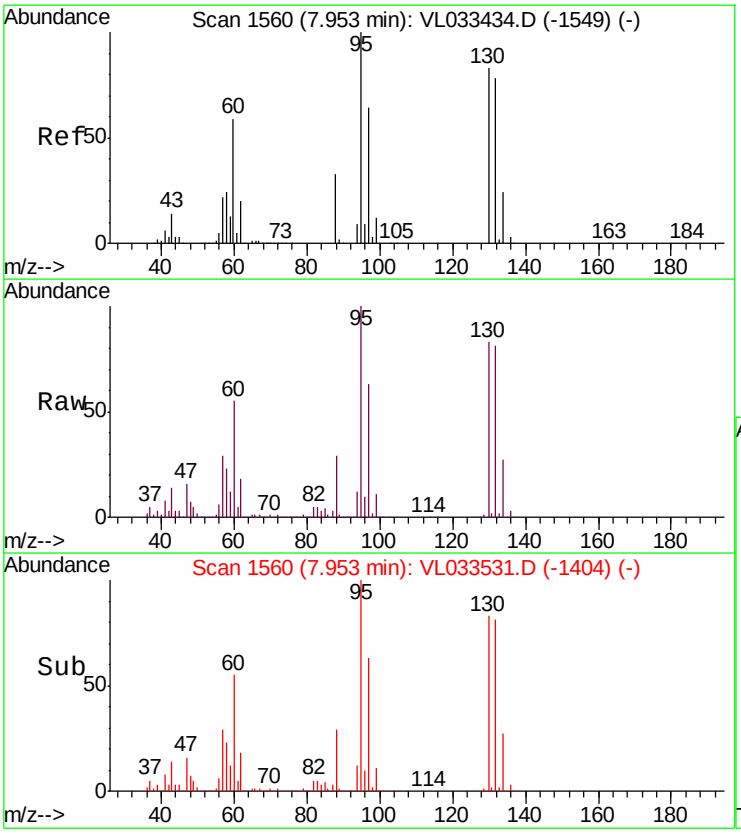
#39
1,2-Dichloropropane
Concen: 8.386 ppbv
RT: 7.73 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 721346

Ion	Ratio	Lower	Upper
63	100		
41	75.7	61.2	91.8
62	70.1	54.0	81.0

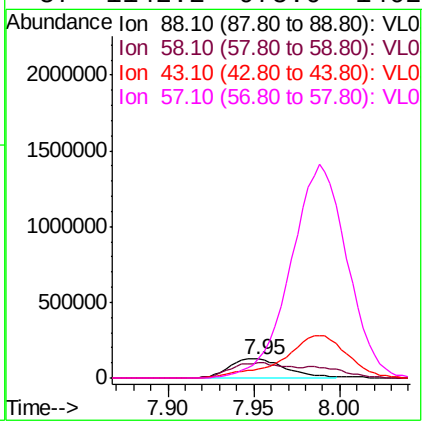


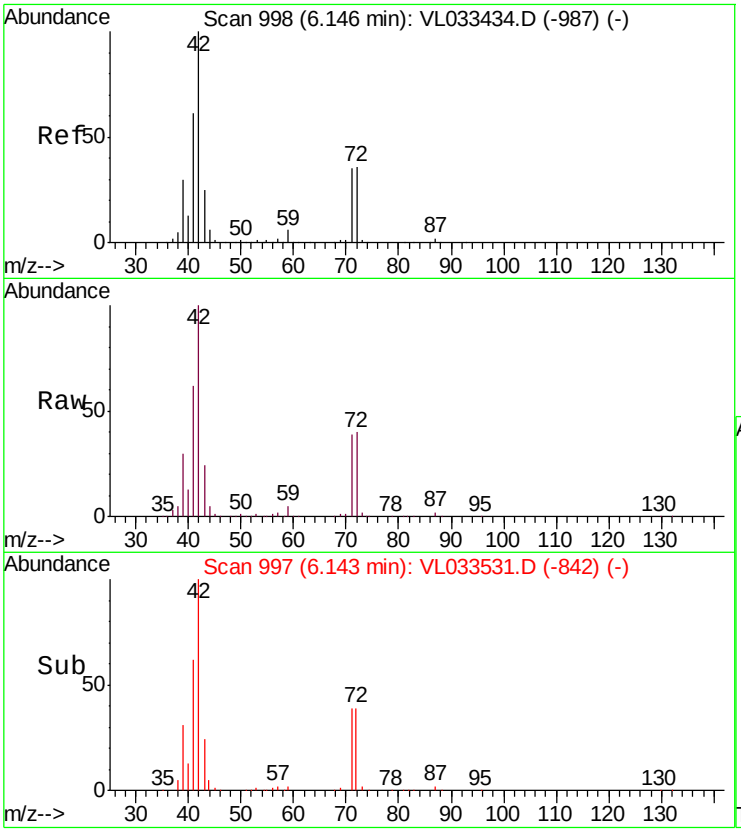


#40
1,4-Dioxane
Concen: 9.226 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 88 Resp: 283068

Ion	Ratio	Lower	Upper
88	100		
58	127.8	105.6	158.4
43	257.8	216.7	325.1
57	1142.2	975.0	1462.4



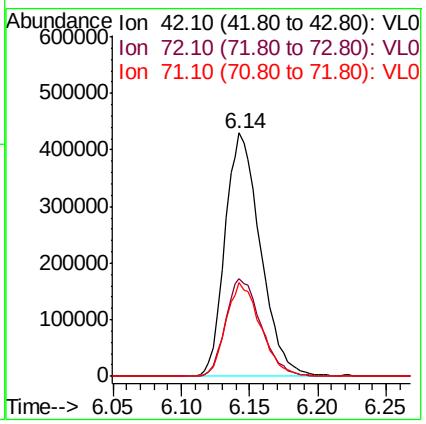


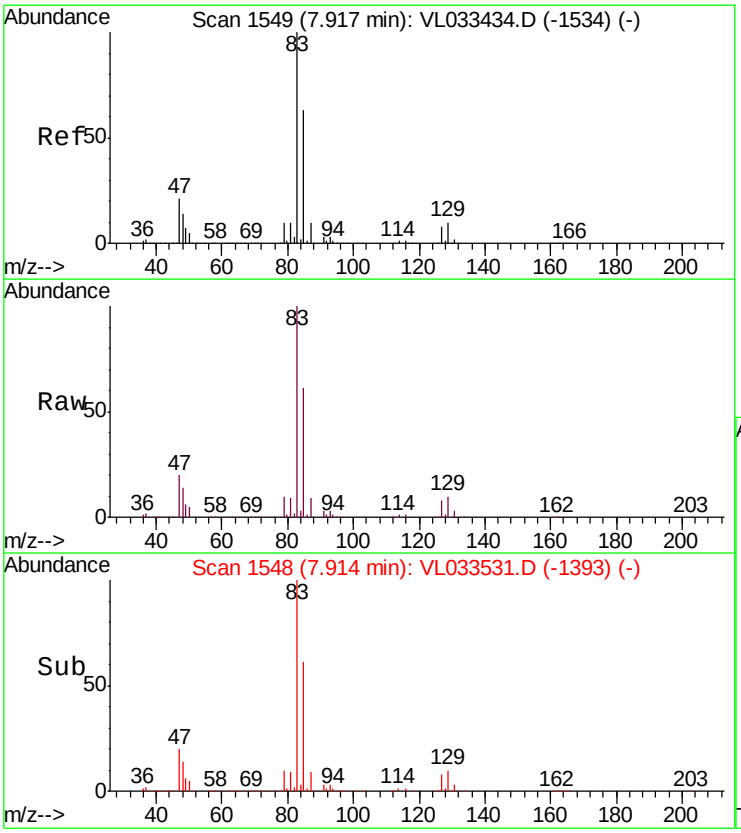
#41
Tetrahydrofuran
Concen: 8.968 ppbv
RT: 6.14 min Scan# 997
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 775648

Ion	Ratio	Lower	Upper
42	100		
72	39.9	30.2	45.2
71	37.8	29.4	44.2

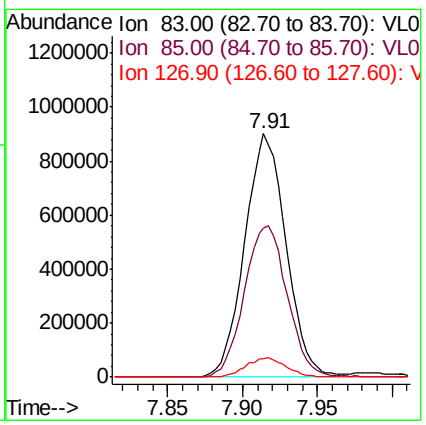


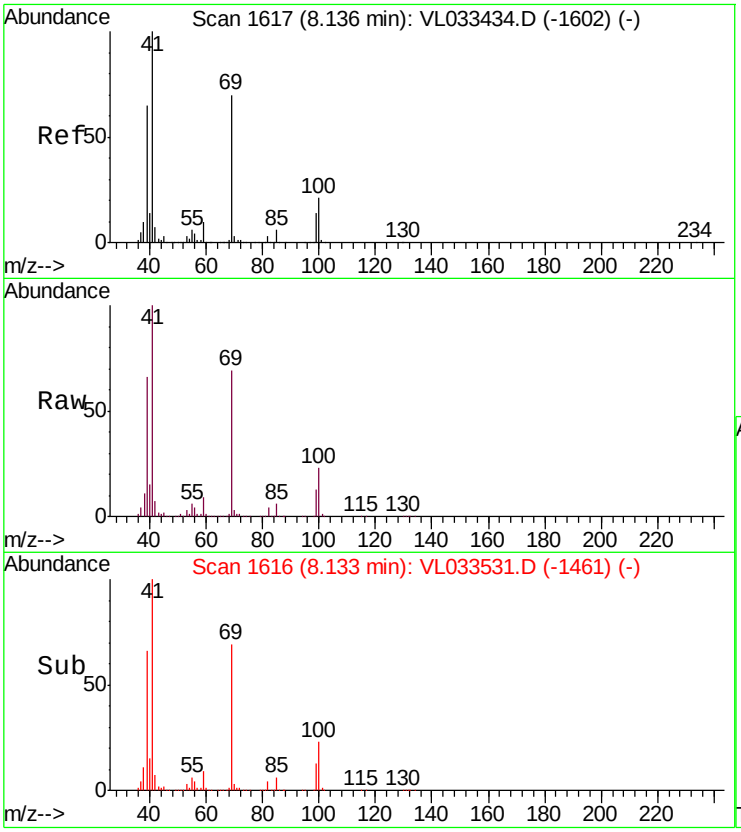


#42
Bromodichloromethane
Concen: 8.649 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 83 Resp: 1733917

Ion	Ratio	Lower	Upper
83	100		
85	60.9	50.7	76.1
127	7.6	6.6	9.8



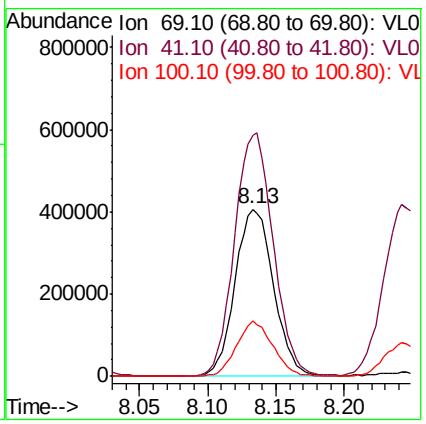


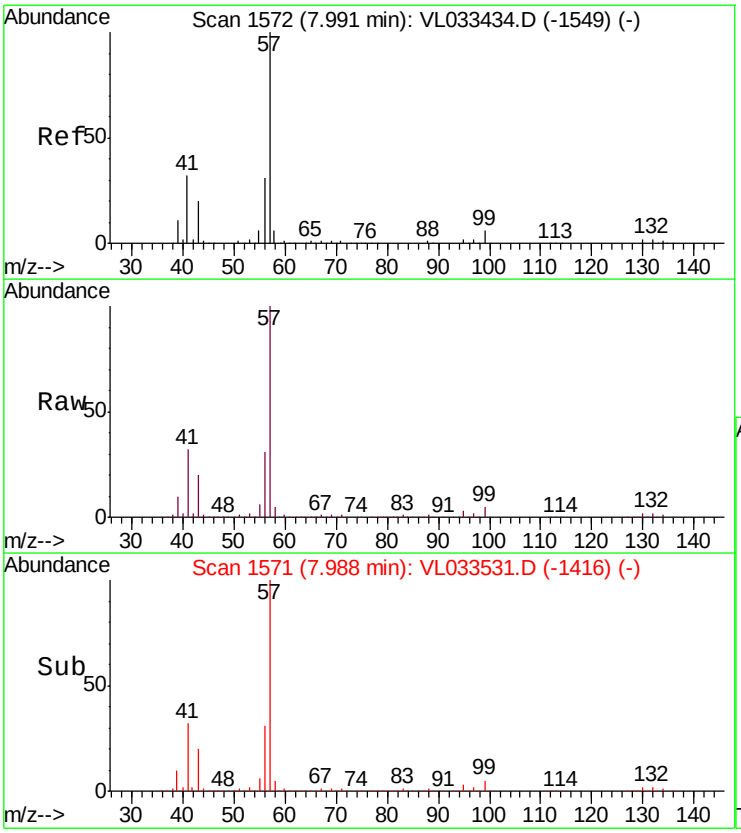
#43
Methyl Methacrylate
Concen: 8.927 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 795954

Ion	Ratio	Lower	Upper
69	100		
41	146.9	116.6	174.8
100	31.0	24.4	36.6

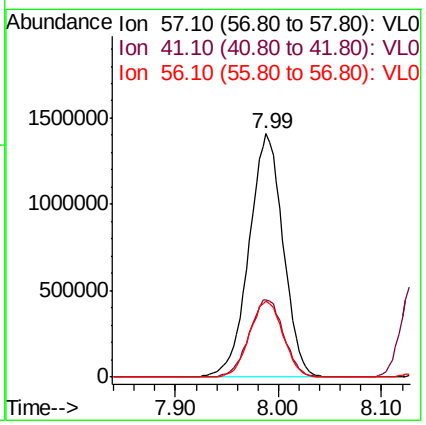


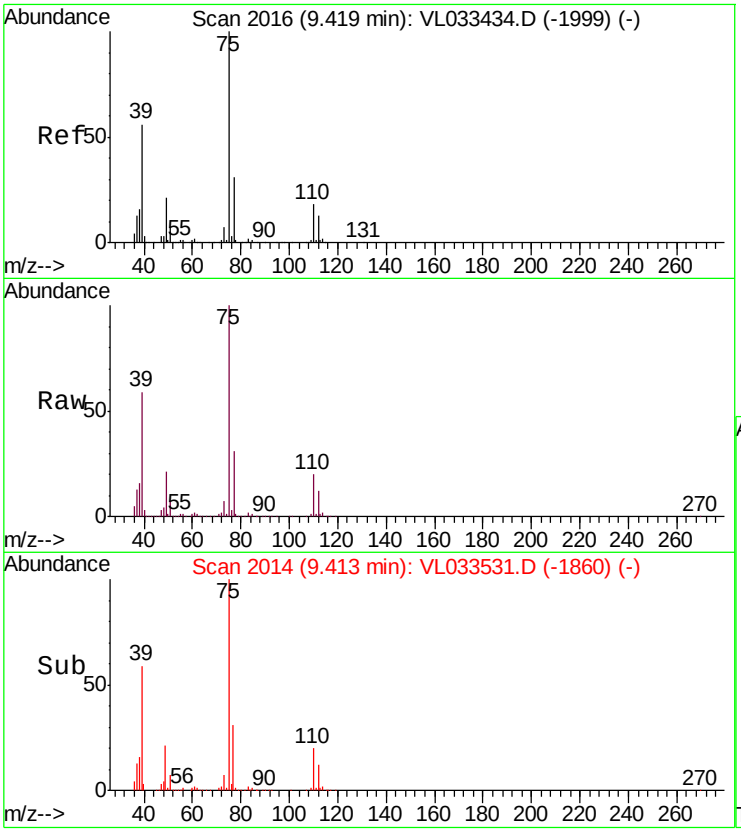


#44
2,2,4-Trimethylpentane
Concen: 8.418 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 57 Resp: 3230401

Ion	Ratio	Lower	Upper
57	100		
41	32.3	26.0	39.0
56	30.8	24.6	37.0



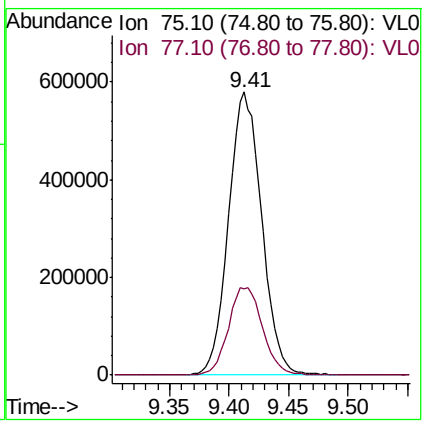


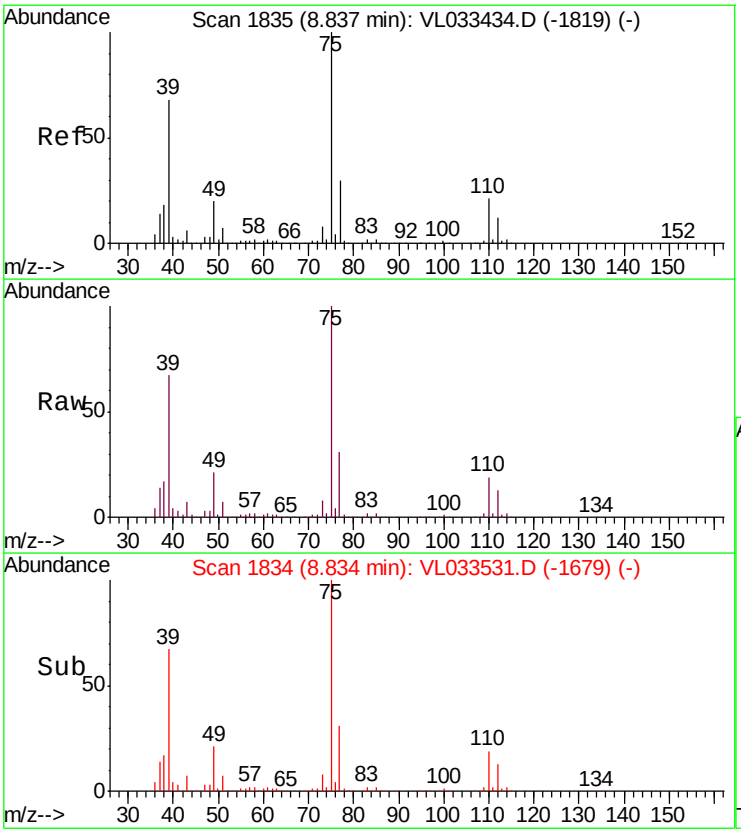
#45
t-1,3-Dichloropropene
Concen: 10.221 ppbv
RT: 9.41 min Scan# 2014
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1118947

Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.5	36.7

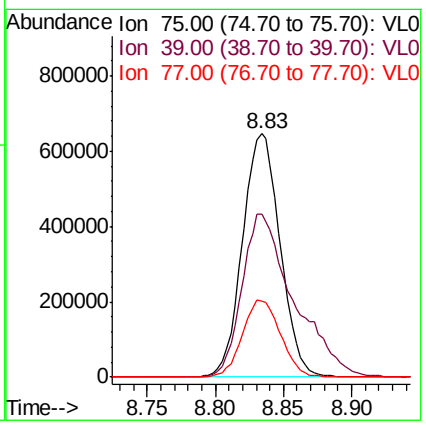


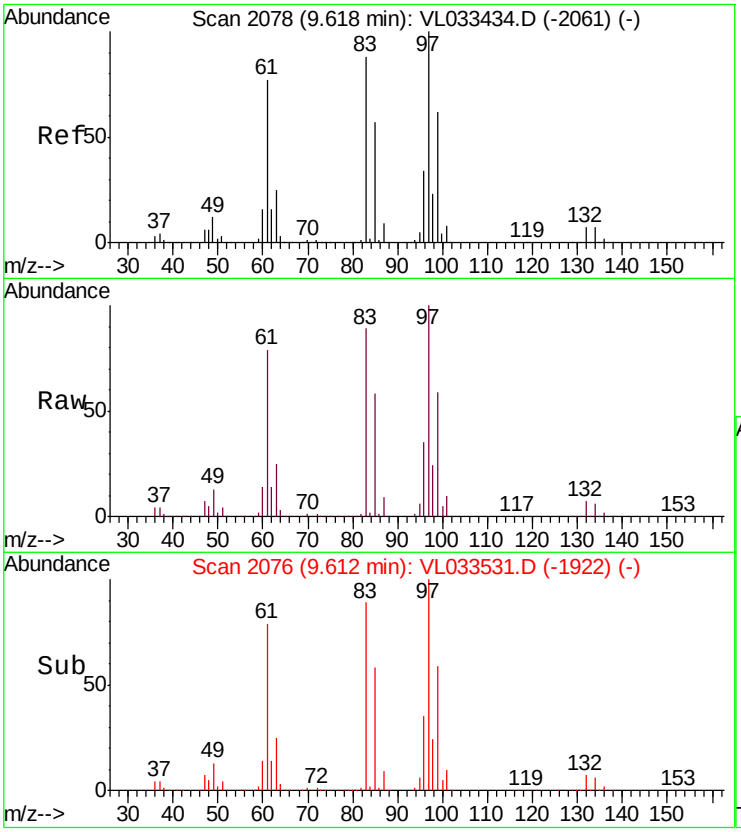


#46
cis-1,3-Dichloropropene
Concen: 9.682 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 75 Resp: 1237744

Ion	Ratio	Lower	Upper
75	100		
39	67.0	54.1	81.1
77	31.3	23.9	35.9



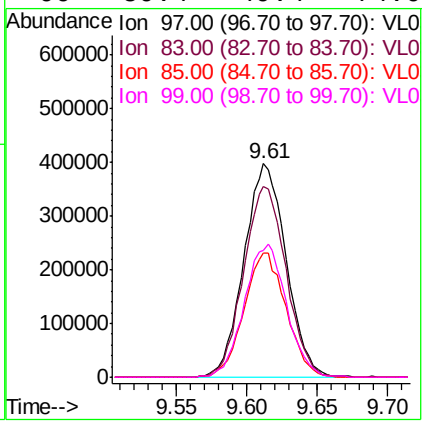


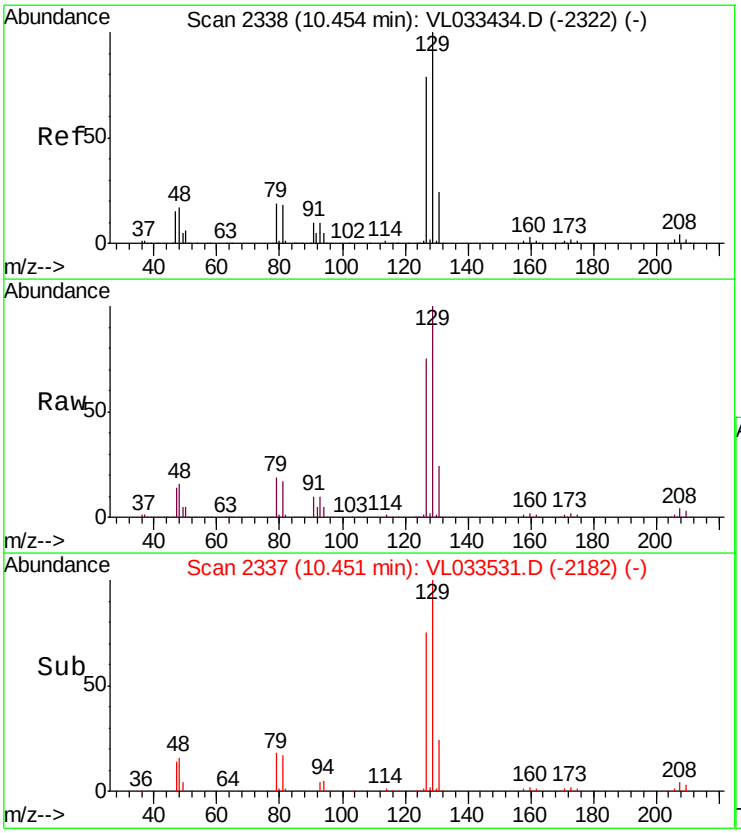
#47
1,1,2-Trichloroethane
Concen: 8.505 ppbv
RT: 9.61 min Scan# 2076
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 830737

Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.5	105.7
85	58.2	45.6	68.4
99	59.4	49.4	74.0

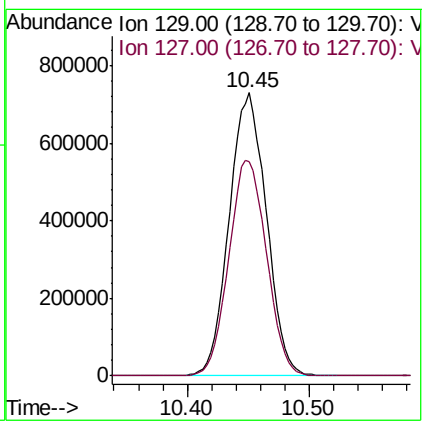


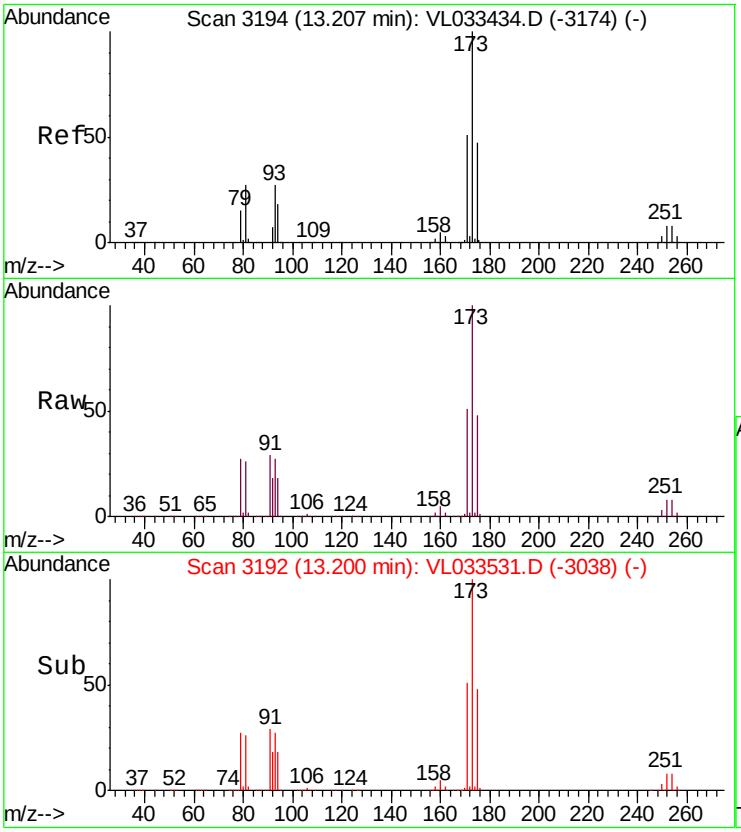


#48
Dibromochloromethane
Concen: 9.369 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion:129 Resp: 1543635

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.1	117.2



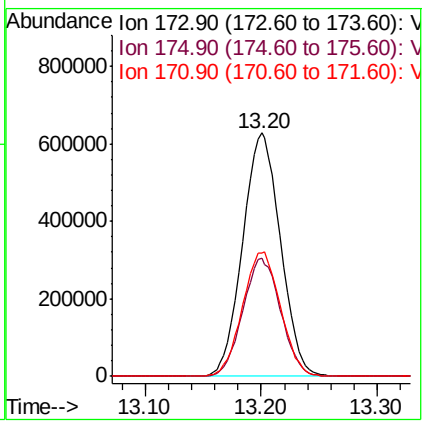


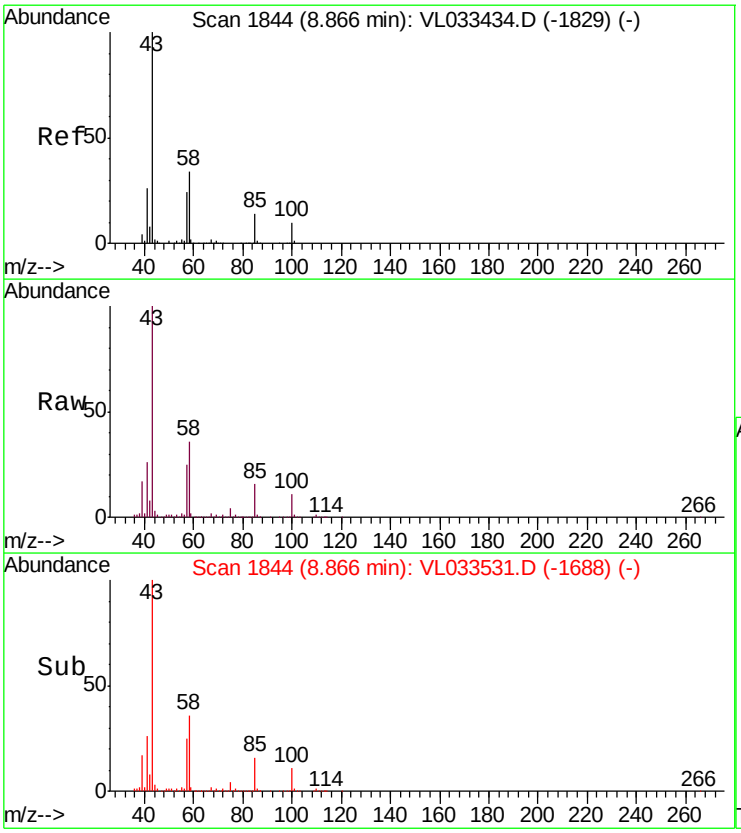
#49
Bromoform
Concen: 9.038 ppbv
RT: 13.20 min Scan# 3192
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1422552

Ion	Ratio	Lower	Upper
173	100		
175	48.5	39.3	58.9
171	51.5	41.2	61.8

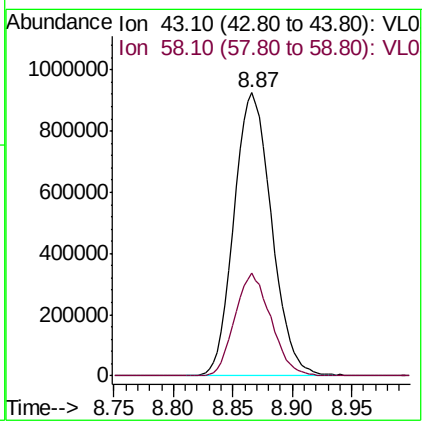


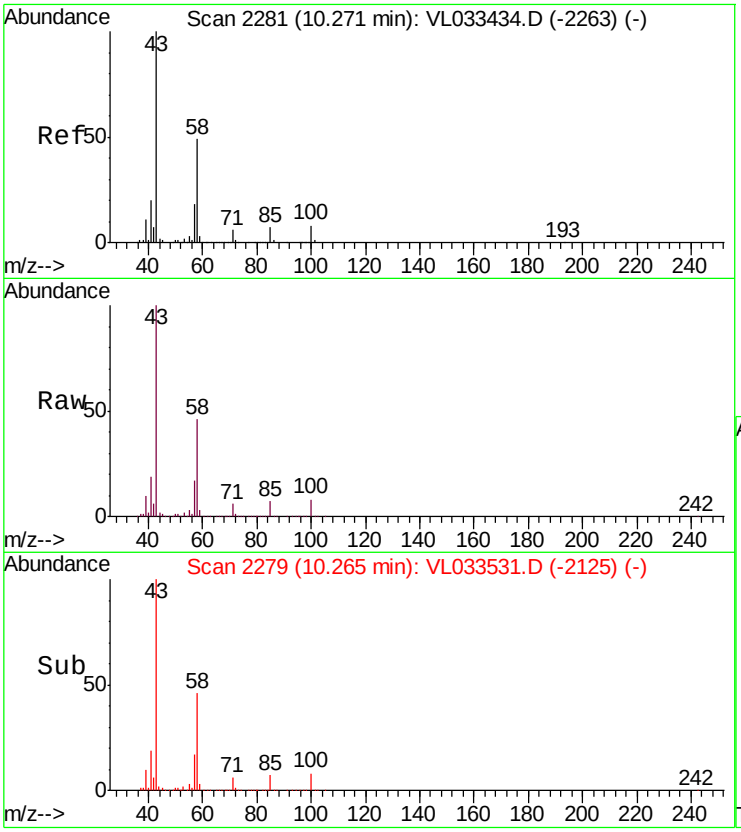


#50
4-Methyl-2-Pentanone
Concen: 8.796 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 43 Resp: 2025154

Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.0	42.0



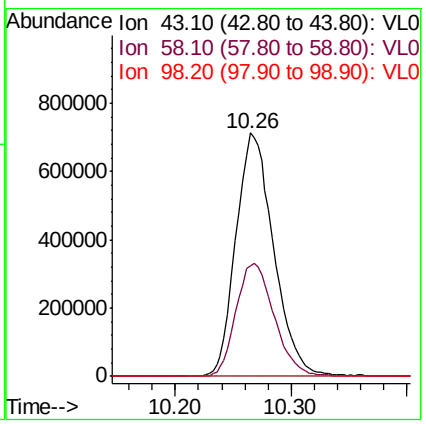


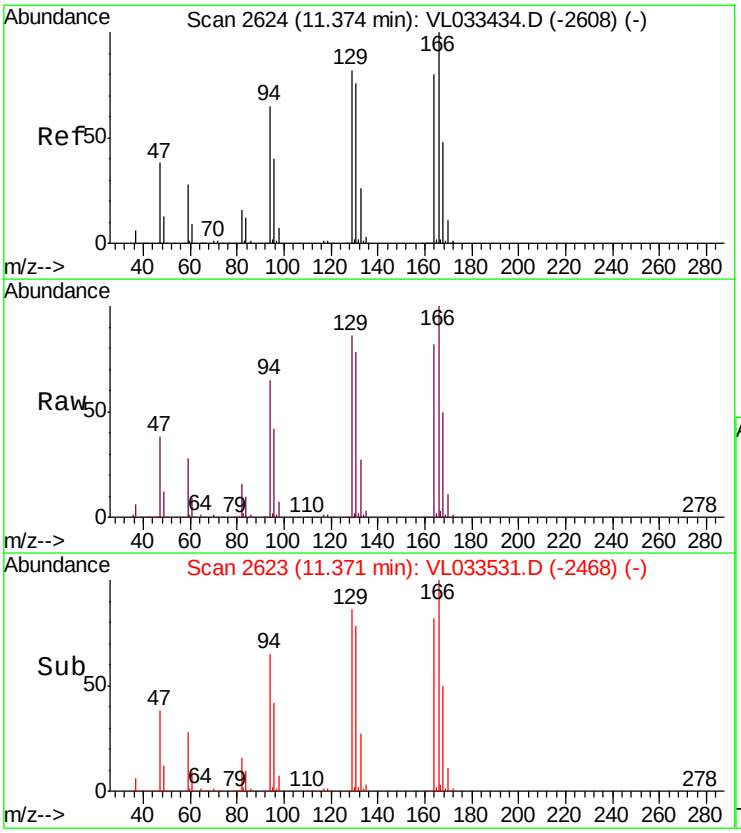
#51
2-Hexanone
Concen: 9.341 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1604234

Ion	Ratio	Lower	Upper
43	100		
58	47.4	38.2	57.2
98	0.2	0.2	0.2

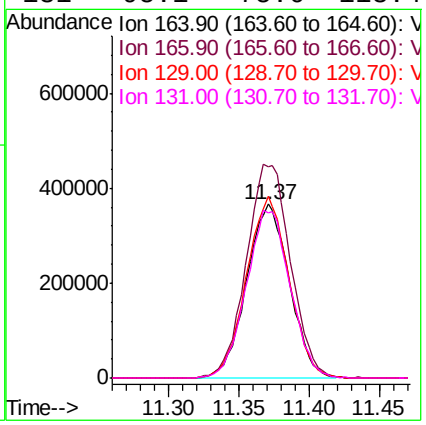


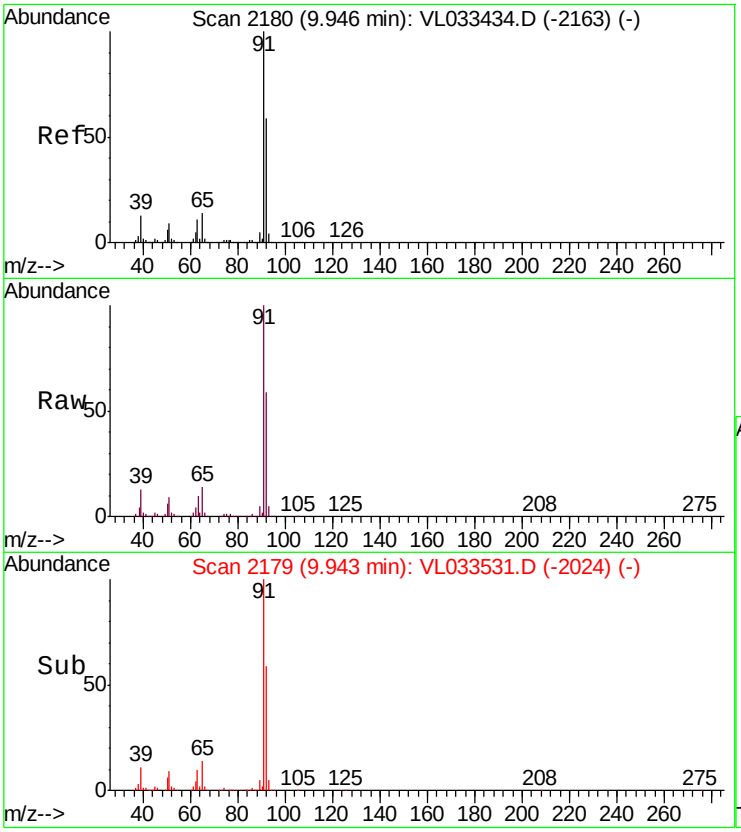


#52
Tetrachloroethene
Concen: 9.369 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion:164 Resp: 776294

Ion	Ratio	Lower	Upper
164	100		
166	121.2	99.5	149.3
129	104.6	81.4	122.2
131	95.1	75.6	113.4



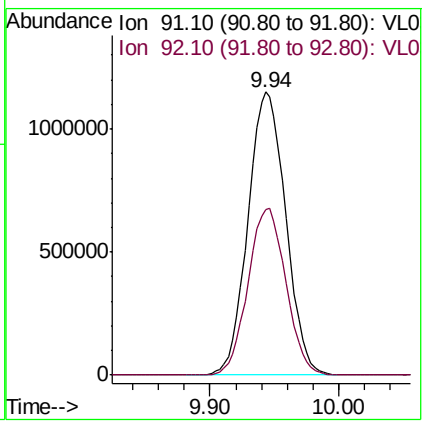


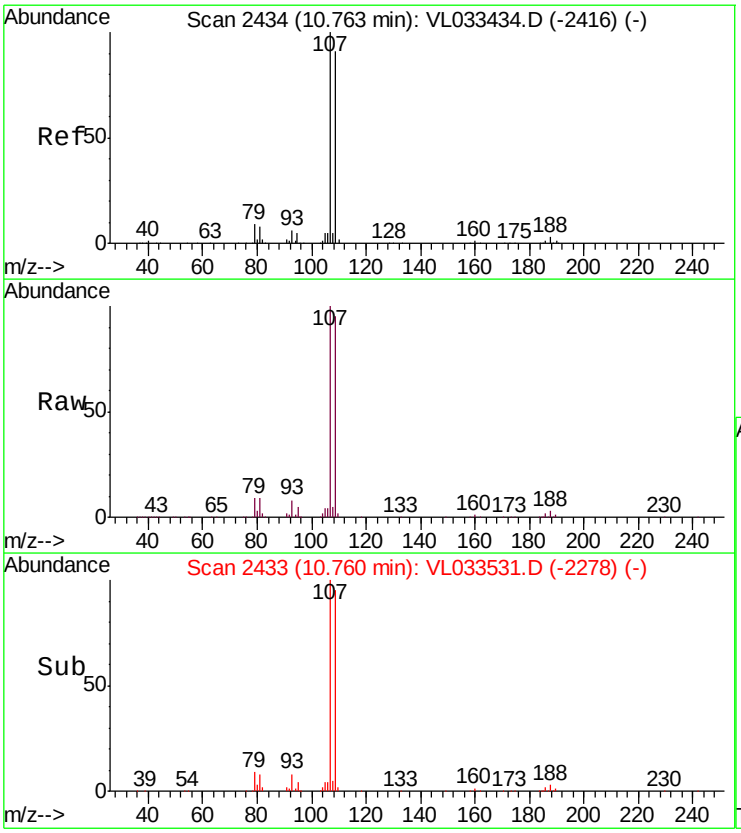
#53
Toluene
Concen: 9.212 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2350678

Ion	Ratio	Lower	Upper
91	100		
92	59.1	47.4	71.0

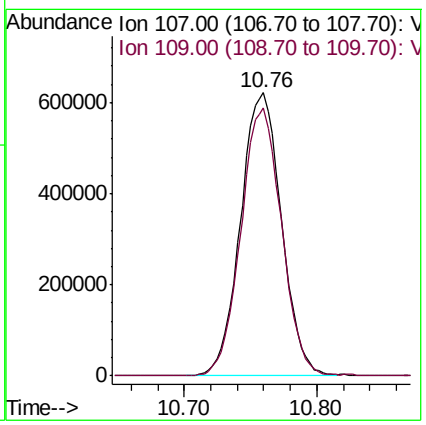


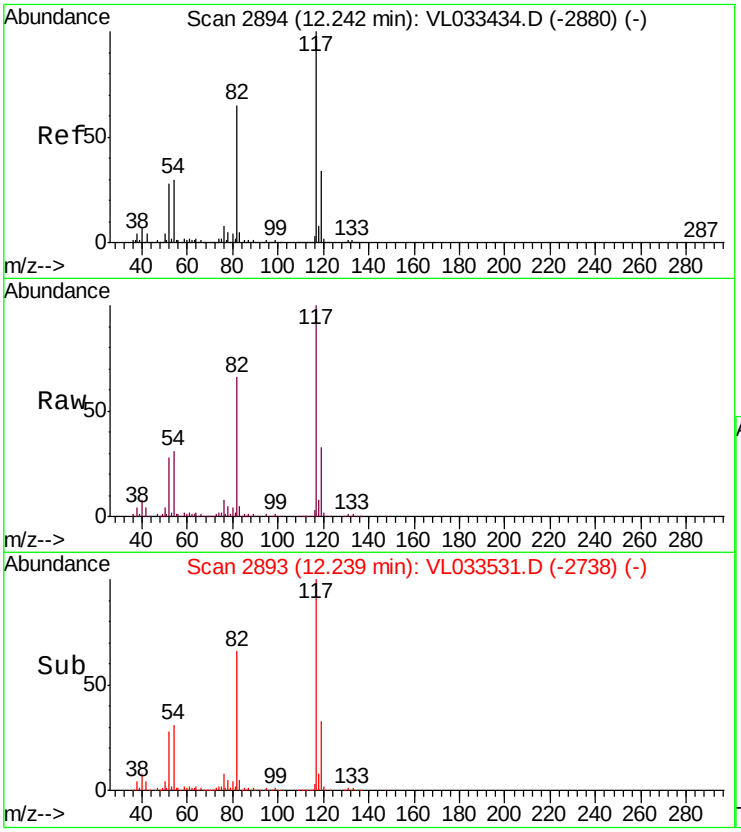


#54
1,2-Dibromoethane
Concen: 8.721 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion:107 Resp: 1332405

Ion	Ratio	Lower	Upper
107	100		
109	94.5	72.7	109.1



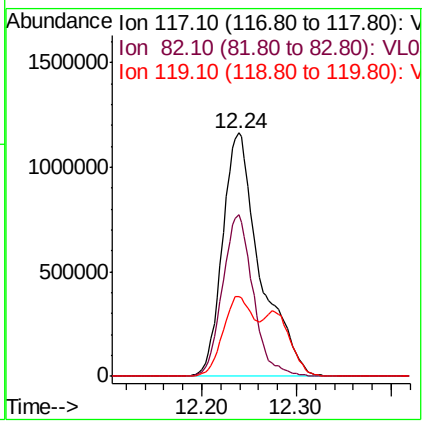


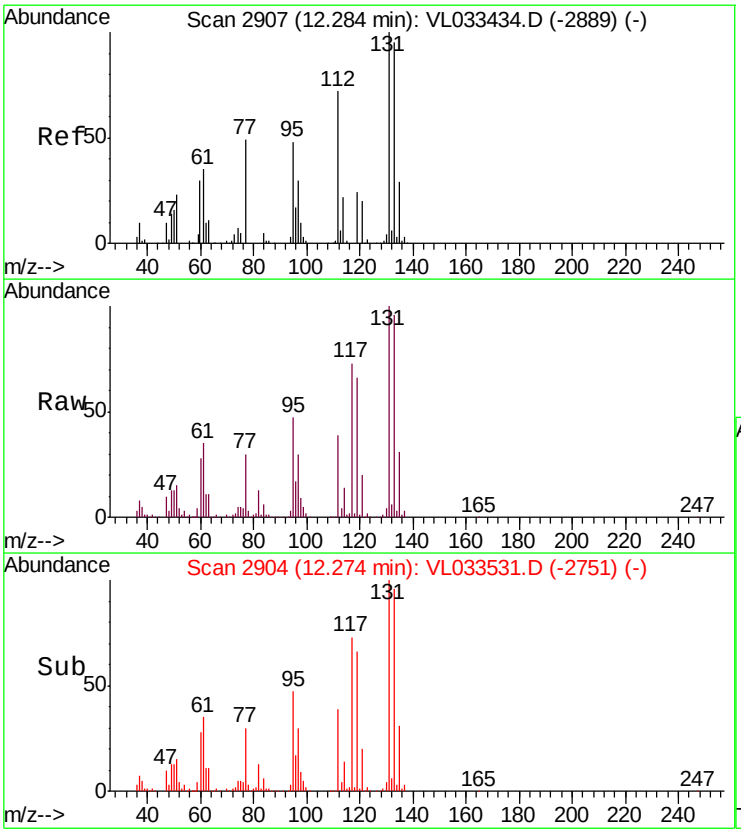
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 3223268

Ion	Ratio	Lower	Upper
117	100		
82	54.2	51.5	77.3
119	46.3	25.5	38.3#

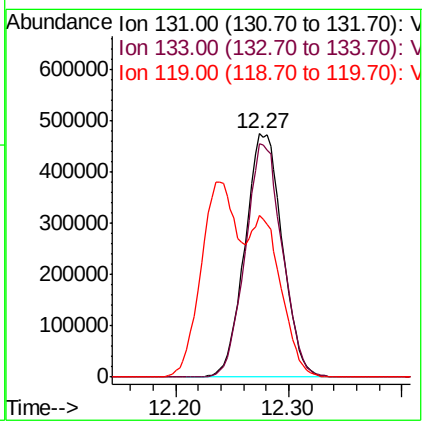


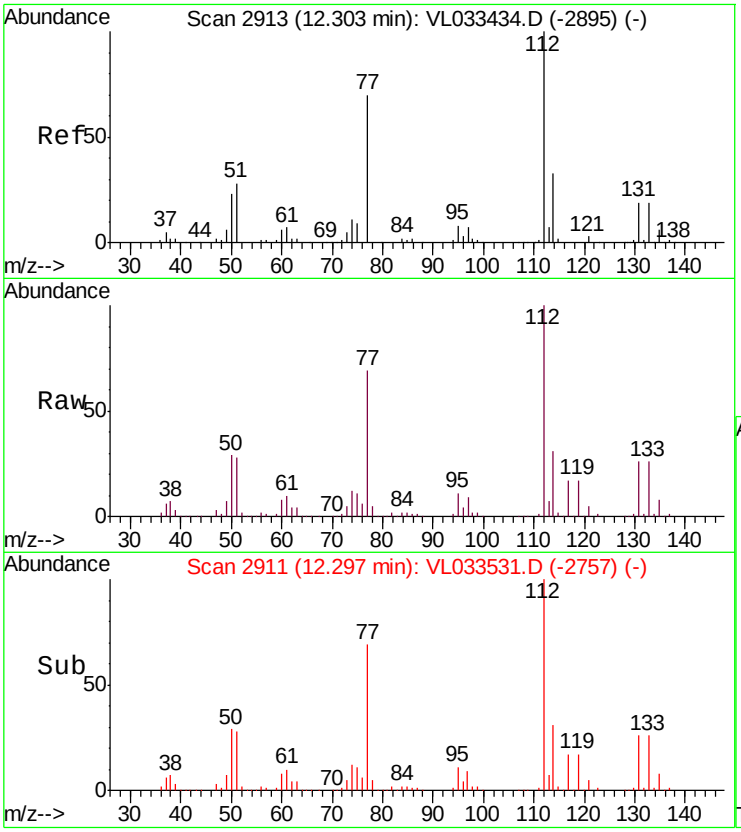


#56
1,1,1,2-Tetrachloroethane
Concen: 7.365 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion:131 Resp: 1088007

Ion	Ratio	Lower	Upper
131	100		
133	94.8	76.2	114.4
119	86.0	45.0	67.6#



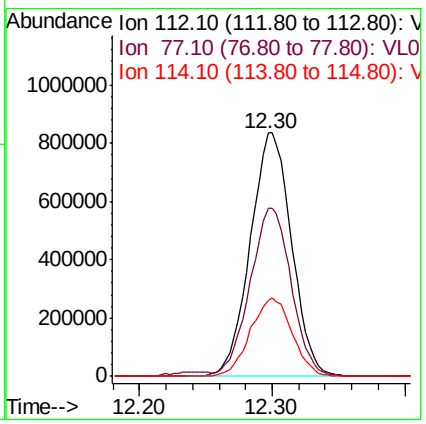


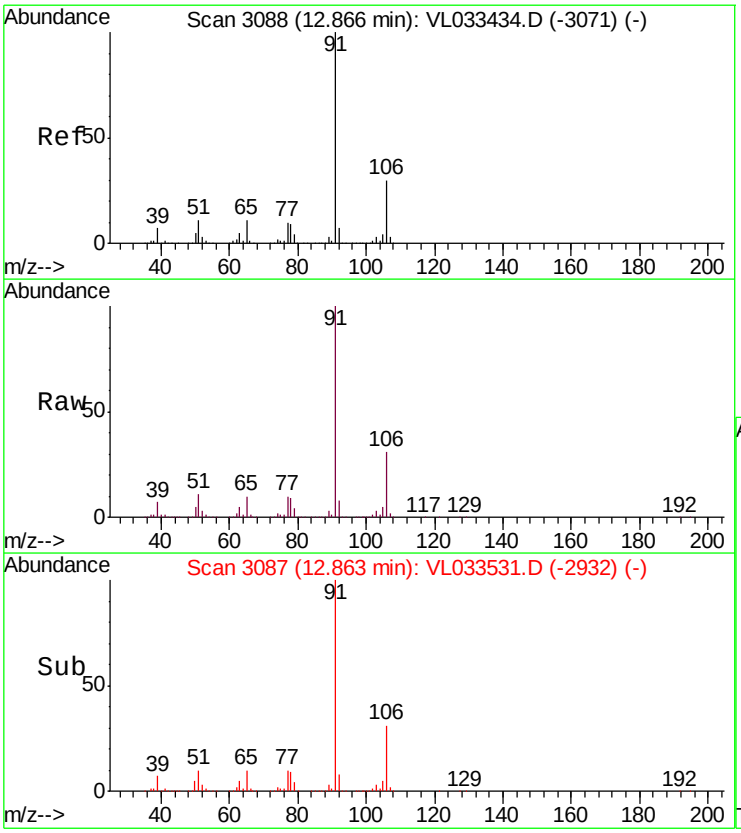
#57
Chlorobenzene
Concen: 7.243 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 1812805

Ion	Ratio	Lower	Upper
112	100		
77	68.4	57.3	85.9
114	31.3	29.8	36.4

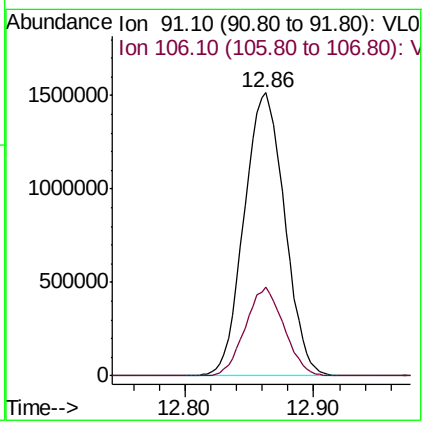


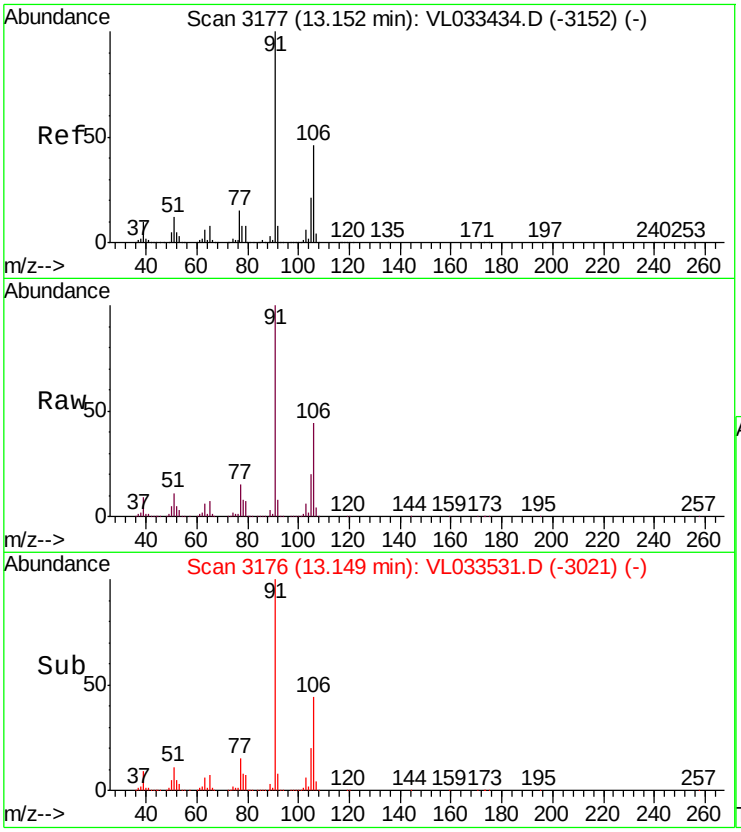


#58
Ethyl Benzene
Concen: 7.725 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 91 Resp: 3325373

Ion	Ratio	Lower	Upper
91	100		
106	31.4	23.8	35.6



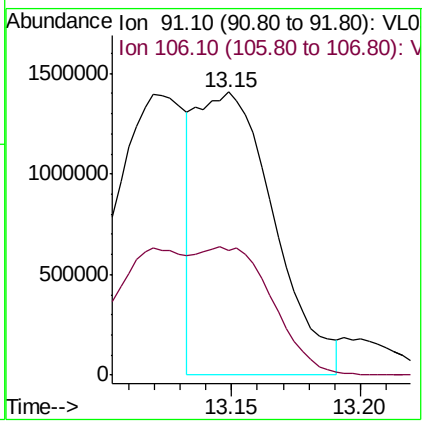


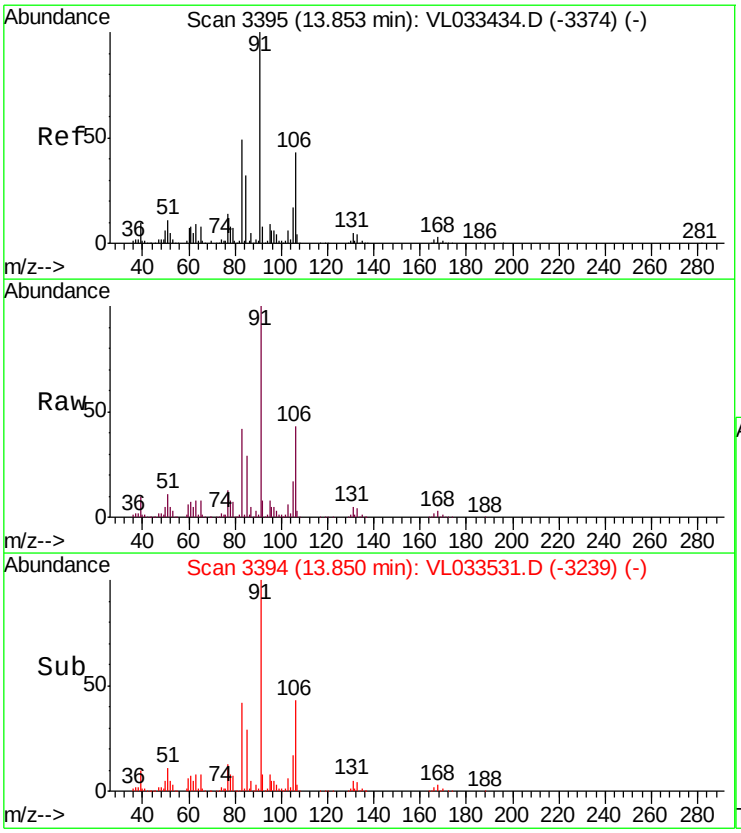
#59
m/p-Xylene
Concen: 7.661 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2945606

Ion	Ratio	Lower	Upper
91	100		
106	86.3	0.0	0.0#

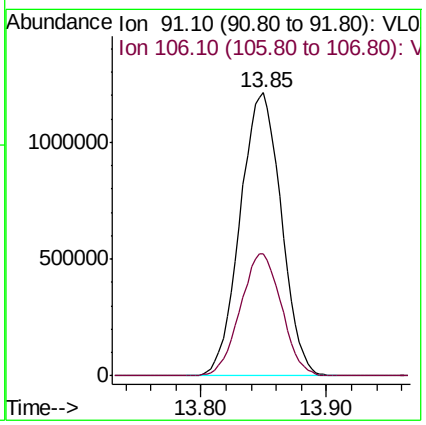


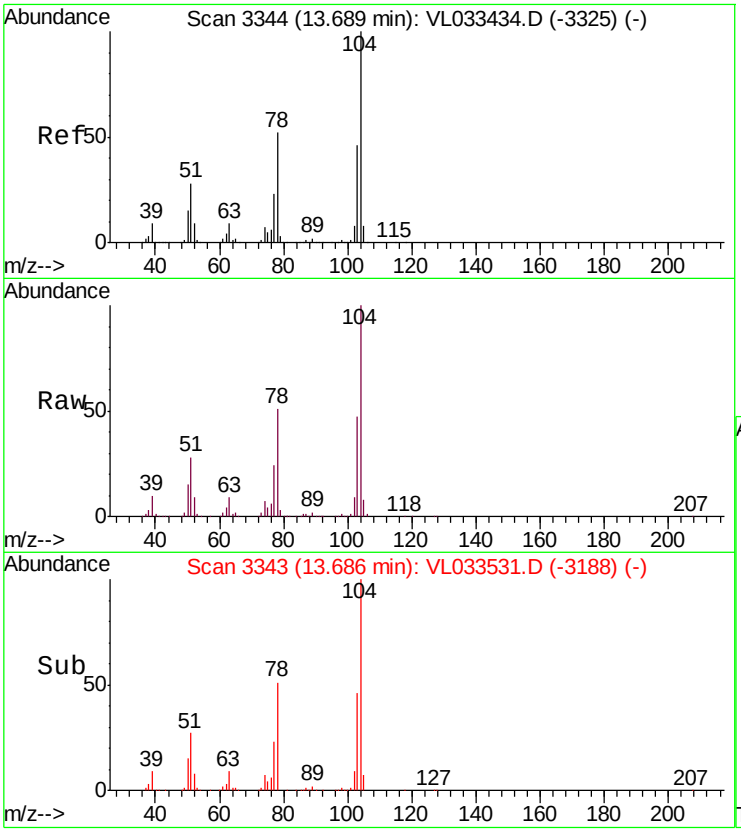


#60
o-Xylene
Concen: 7.423 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 91 Resp: 2759904

Ion	Ratio	Lower	Upper
91	100		
106	43.4	21.4	64.3



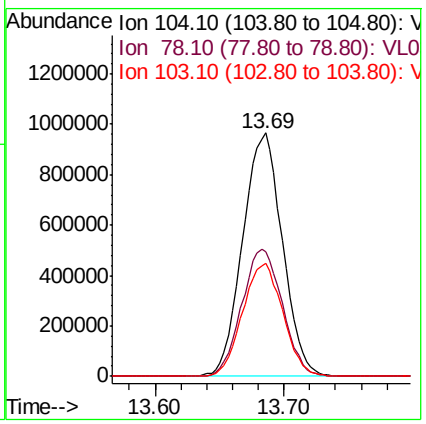


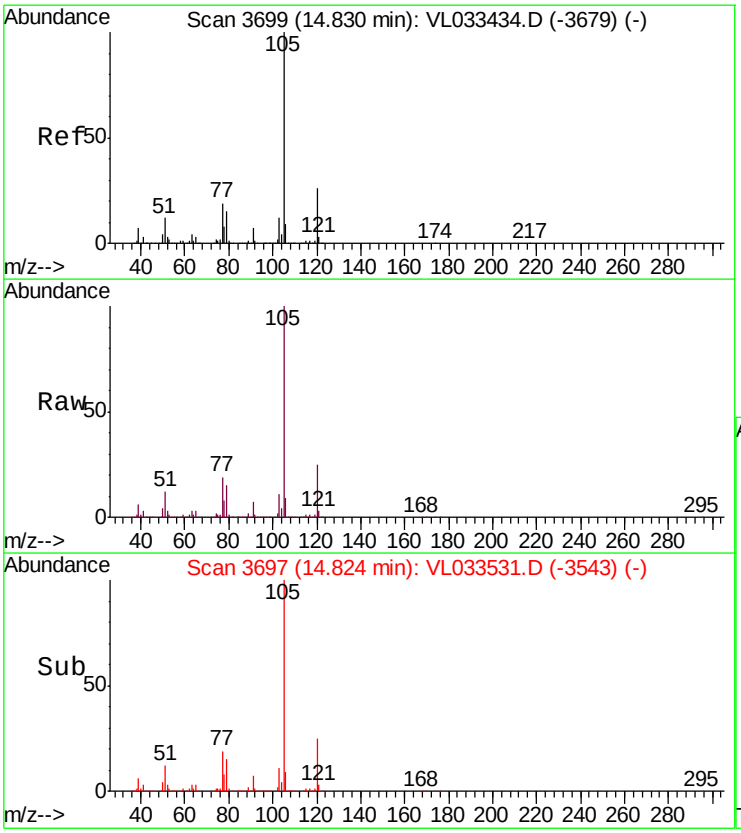
#61
Styrene
Concen: 8.115 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:104 Resp: 2070752

Ion	Ratio	Lower	Upper
104	100		
78	53.5	43.2	64.8
103	47.3	37.8	56.8

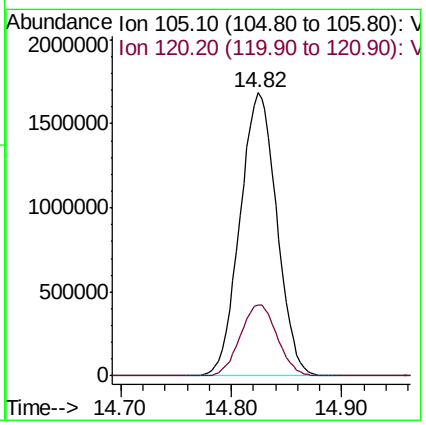


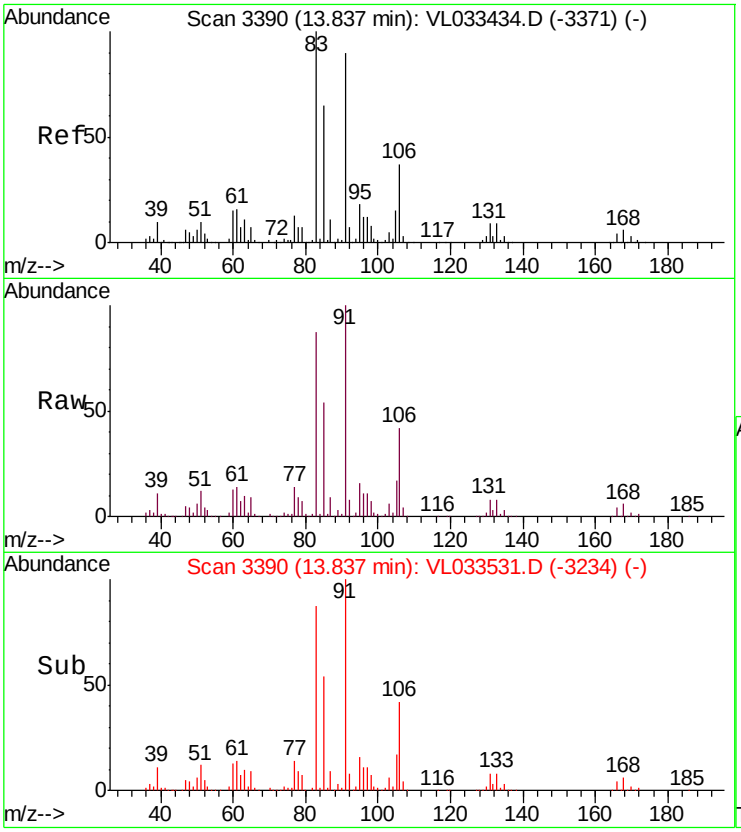


#62
Isopropylbenzene
Concen: 7.383 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion:105 Resp: 3887069

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.2	30.2



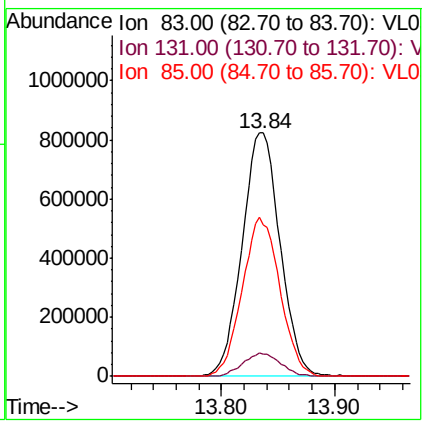


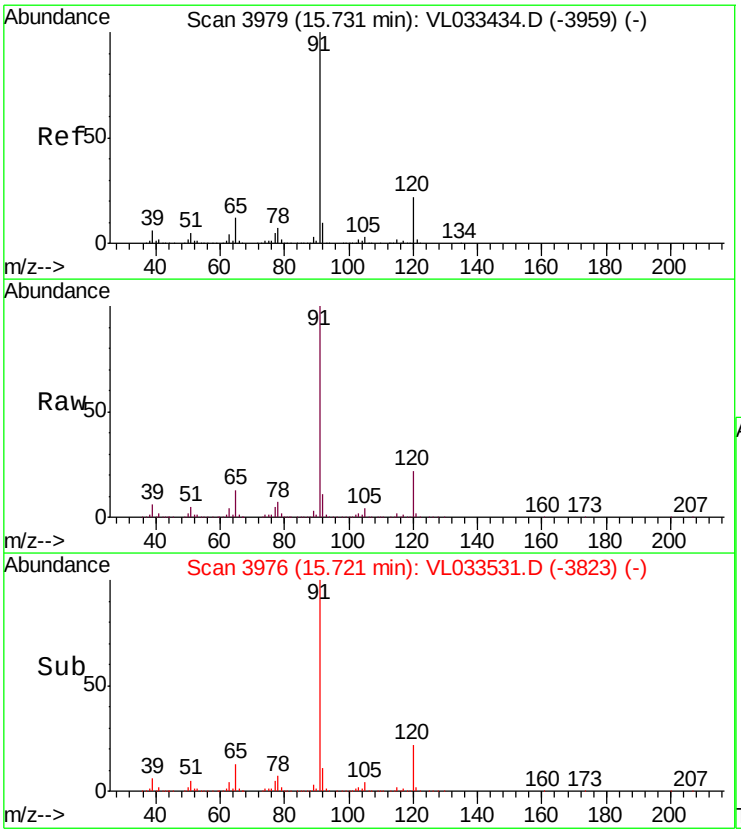
#63
1,1,2,2-Tetrachloroethane
Concen: 7.029 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1924221

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.0
85	64.8	32.7	98.1

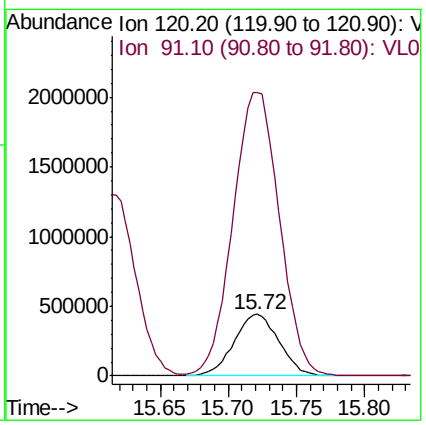


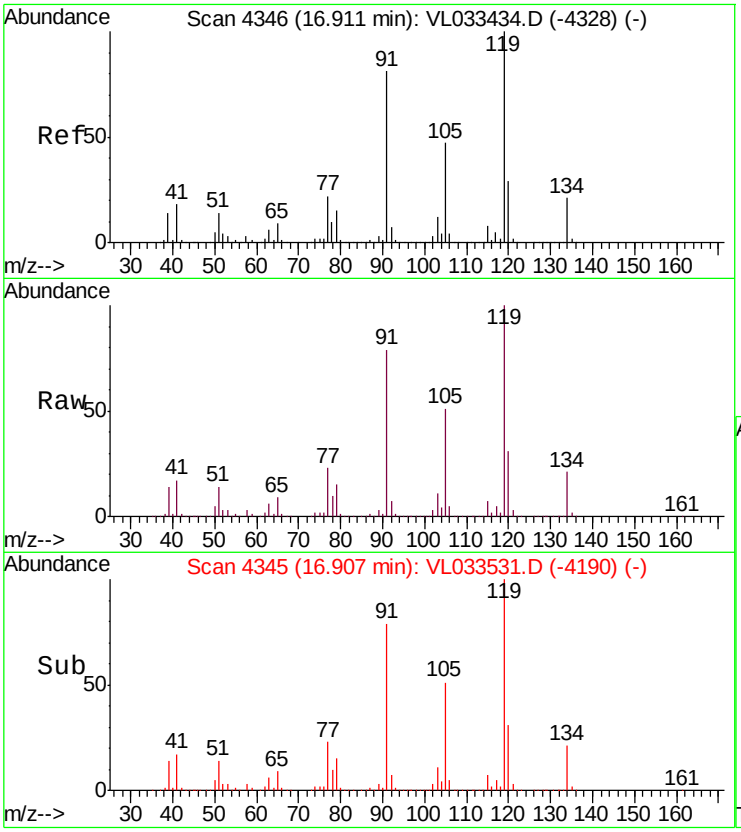


#64
n-propylbenzene
Concen: 7.596 ppbv
RT: 15.72 min Scan# 3976
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion:120 Resp: 1014742

Ion	Ratio	Lower	Upper
120	100		
91	475.4	387.4	581.2



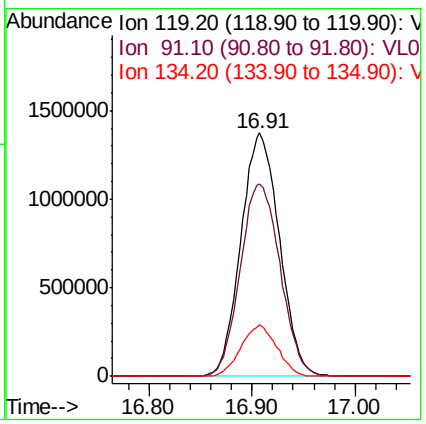


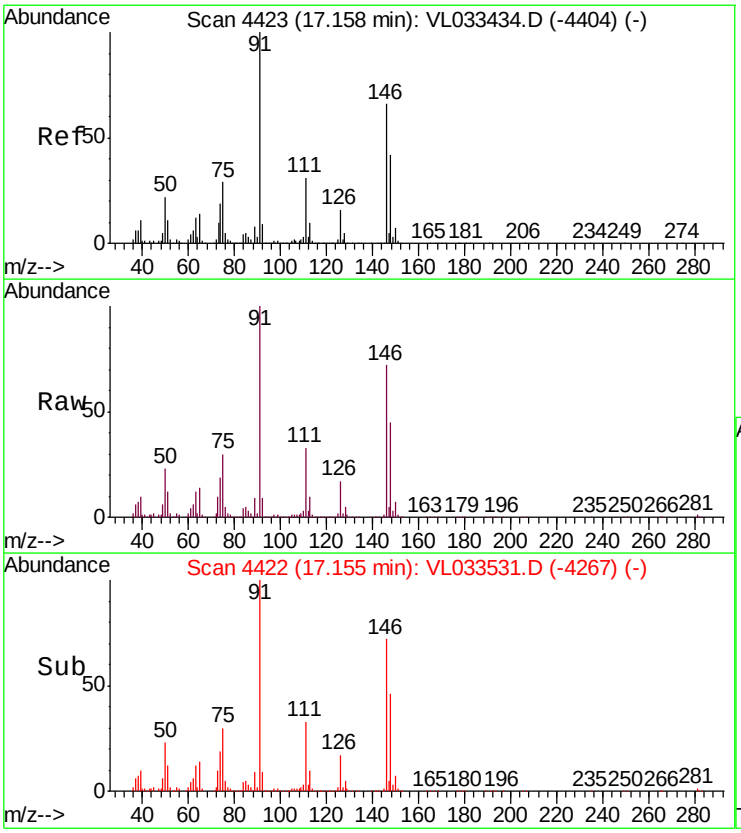
#65
tert-Butylbenzene
Concen: 7.685 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 3565536

Ion	Ratio	Lower	Upper
119	100		
91	82.0	66.4	99.6
134	19.7	15.5	23.3

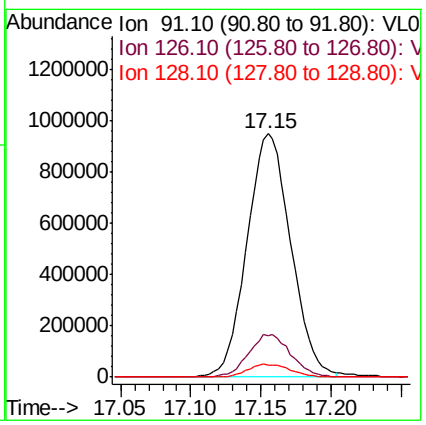


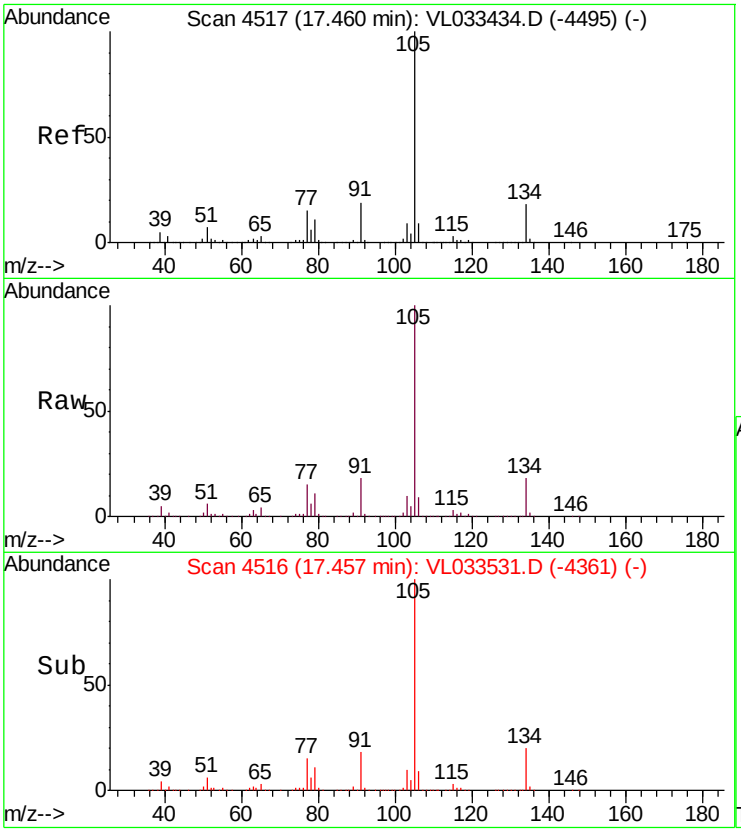


#66
Benzyl Chloride
Concen: 9.509 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 91 Resp: 2051397

Ion	Ratio	Lower	Upper
91	100		
126	17.2	13.0	19.6
128	5.4	4.2	6.2



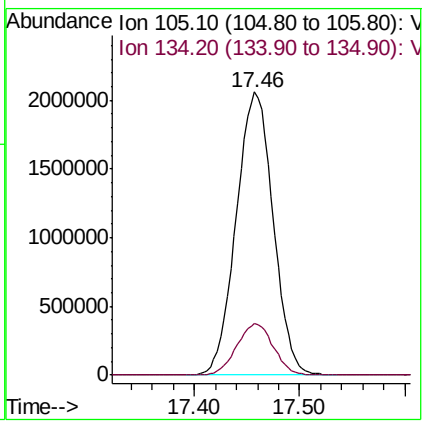


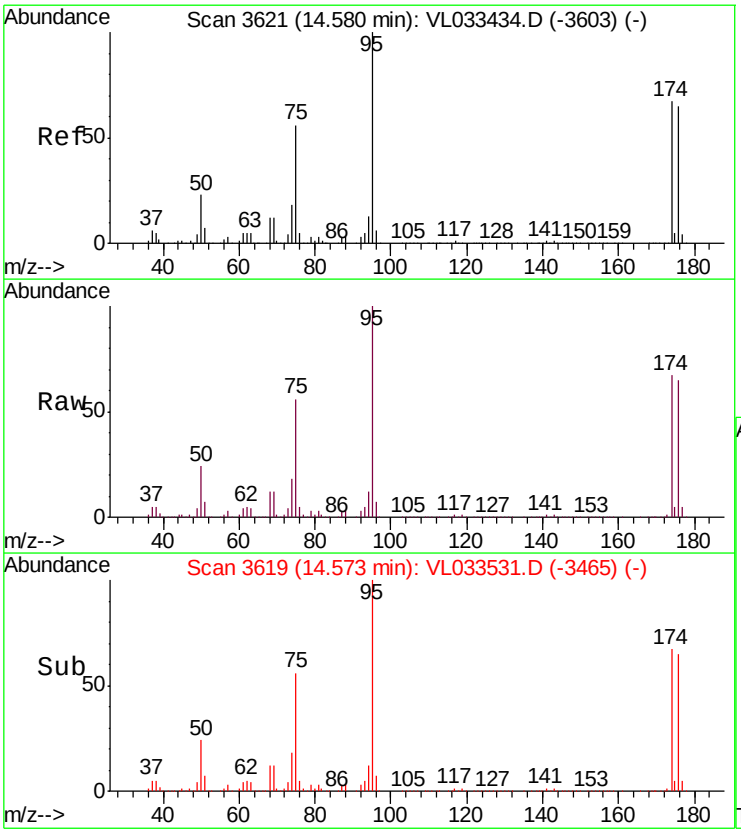
#67
sec-Butylbenzene
Concen: 7.602 ppbv
RT: 17.46 min Scan# 4516
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:105 Resp: 5015383

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.6	21.8

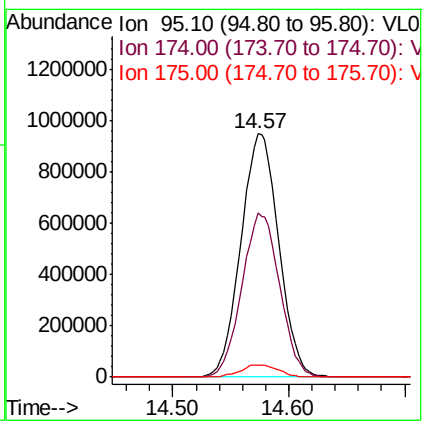


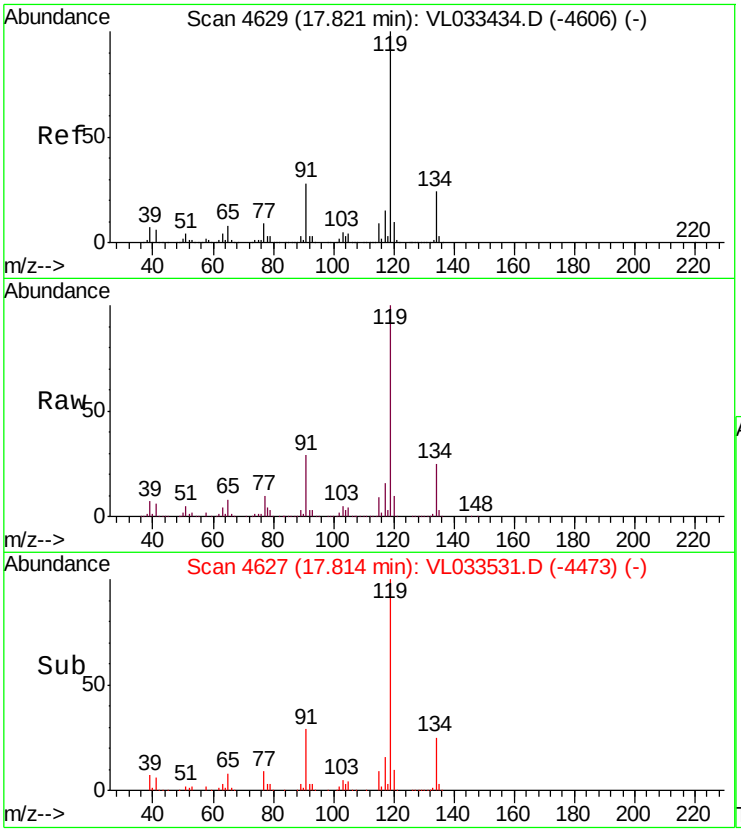


#68
1-Bromo-4-Fluorobenzene
Concen: 8.525 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 95 Resp: 2154088

Ion	Ratio	Lower	Upper
95	100		
174	67.3	52.9	79.3
175	5.0	3.8	5.6



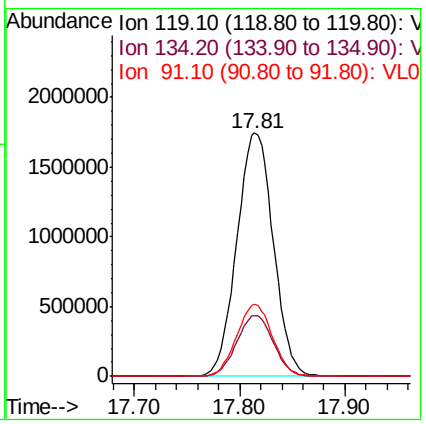


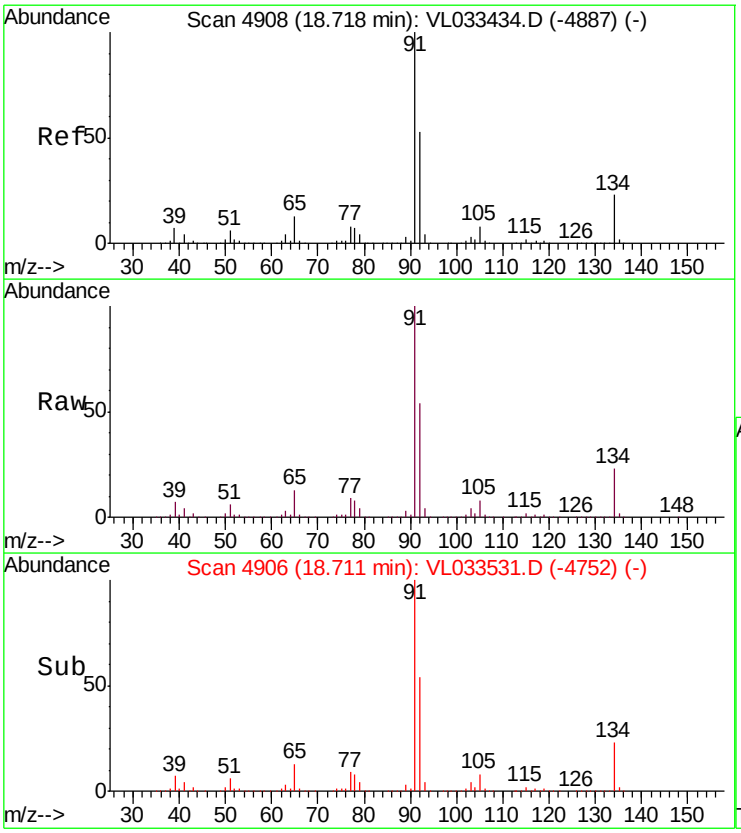
#69
p-Isopropyltoluene
Concen: 7.812 ppbv
RT: 17.81 min Scan# 4627
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 4196780

Ion	Ratio	Lower	Upper
119	100		
134	25.0	19.9	29.9
91	29.1	23.4	35.0

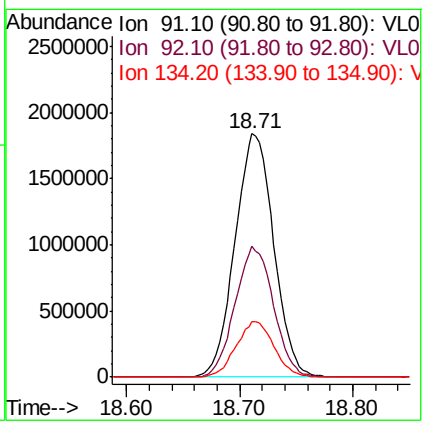


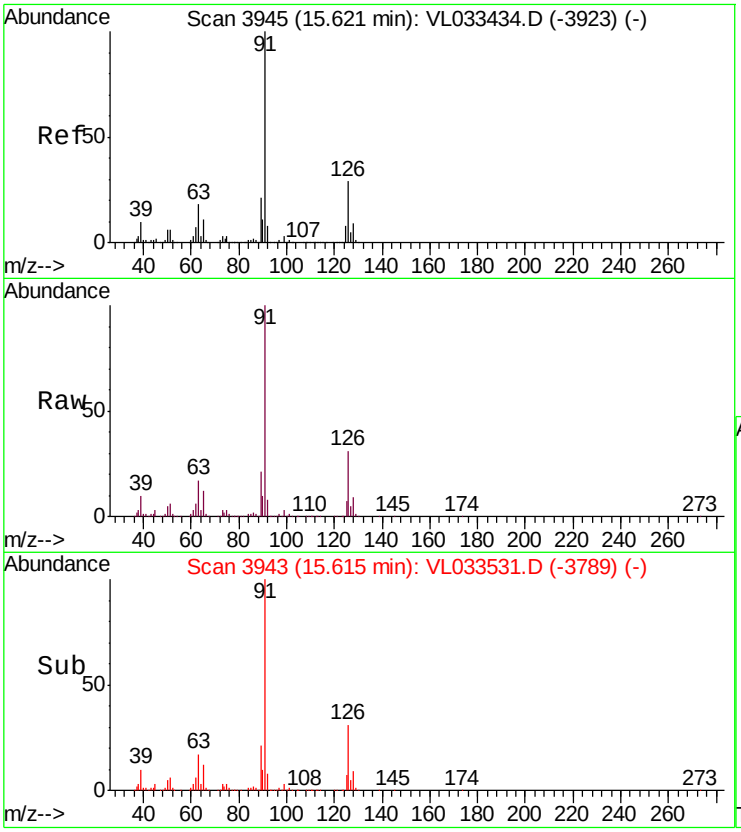


#70
n-Butylbenzene
Concen: 7.671 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion: 91 Resp: 4366258

Ion	Ratio	Lower	Upper
91	100		
92	53.5	42.6	64.0
134	22.4	17.5	26.3



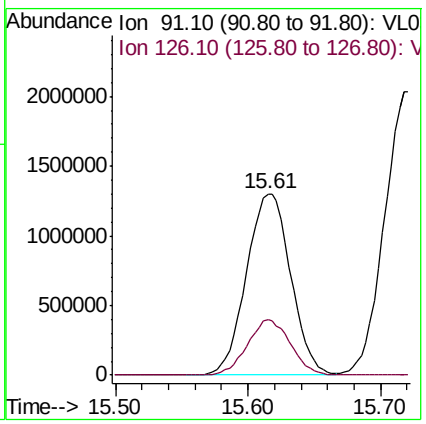


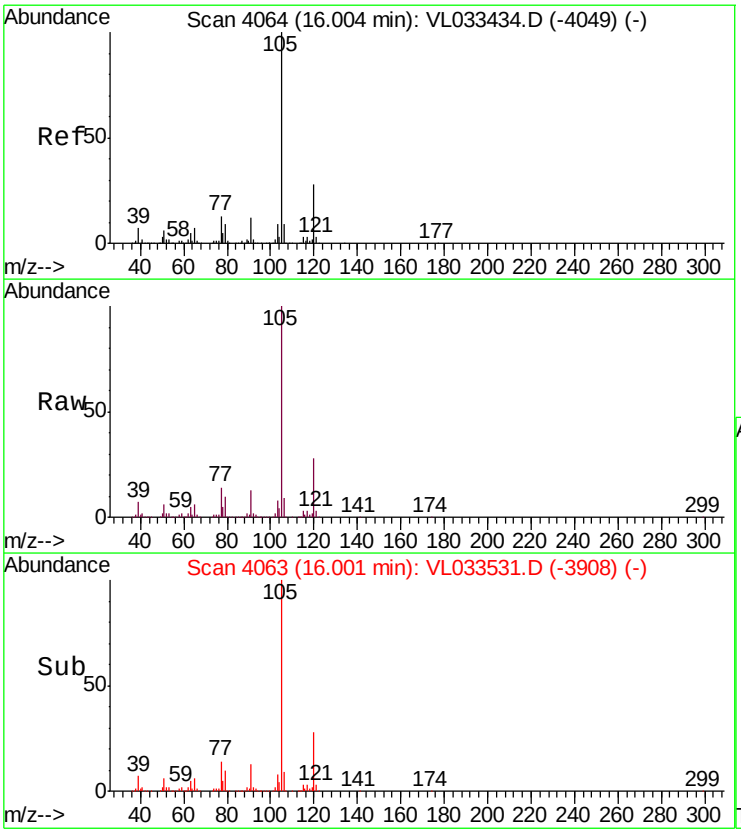
#71
2-Chlorotoluene
Concen: 7.532 ppbv
RT: 15.61 min Scan# 3943
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 3015392

Ion	Ratio	Lower	Upper
91	100		
126	29.7	11.7	46.9

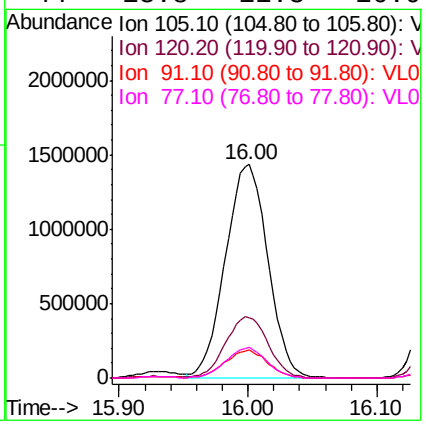


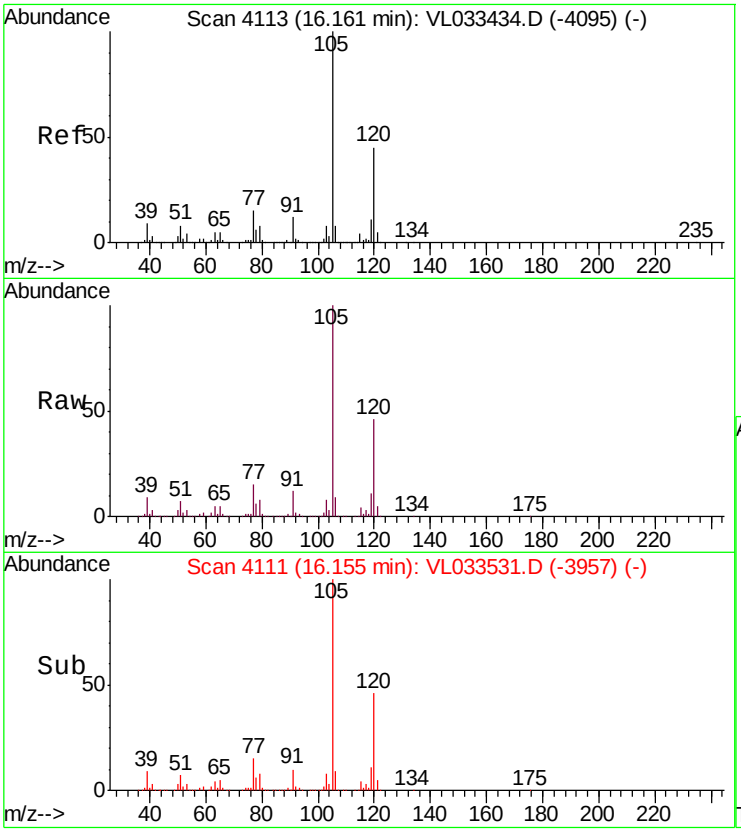


#72
4-Ethyltoluene
Concen: 7.842 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion:105 Resp: 3277365

Ion	Ratio	Lower	Upper
105	100		
120	29.8	23.2	34.8
91	12.9	10.4	15.6
77	13.8	11.3	16.9



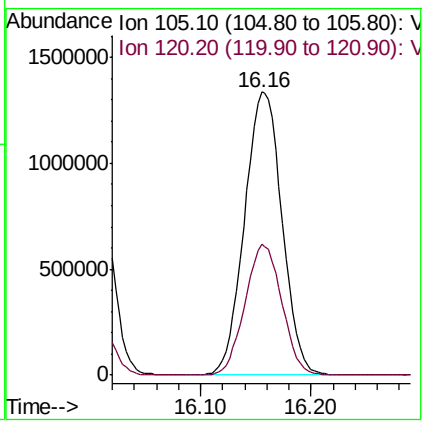


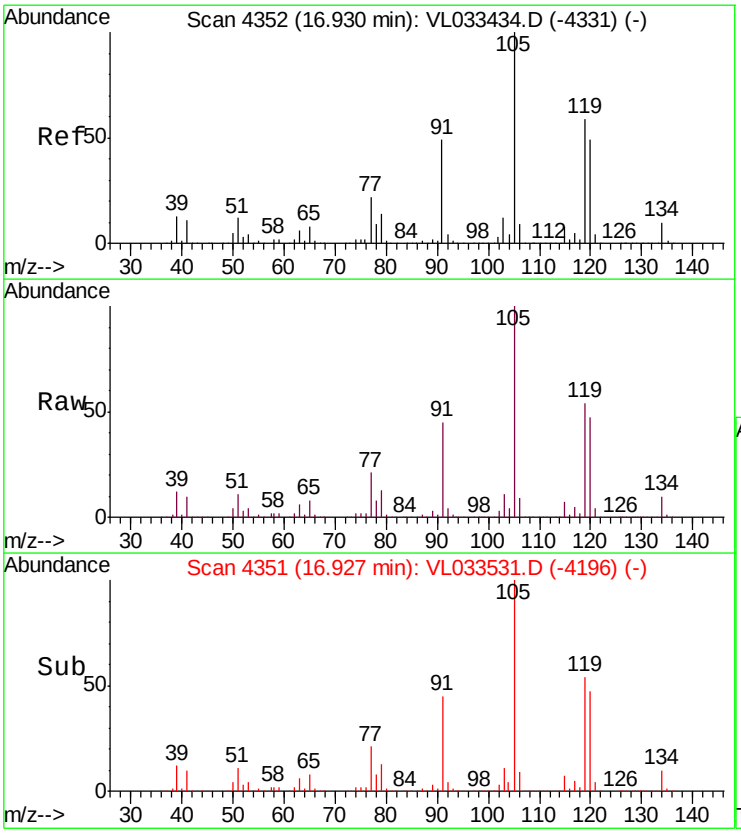
#73
1,3,5-Trimethylbenzene
Concen: 7.858 ppbv
RT: 16.16 min Scan# 4111
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 3142515

Ion	Ratio	Lower	Upper
105	100		
120	46.2	35.7	53.5

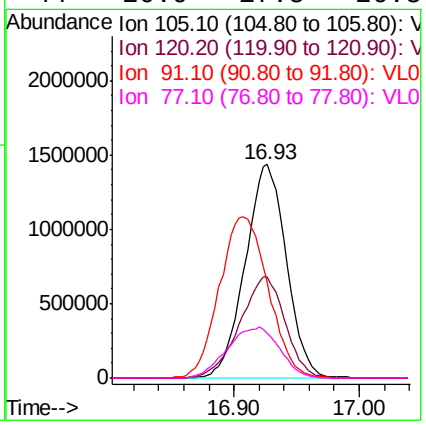


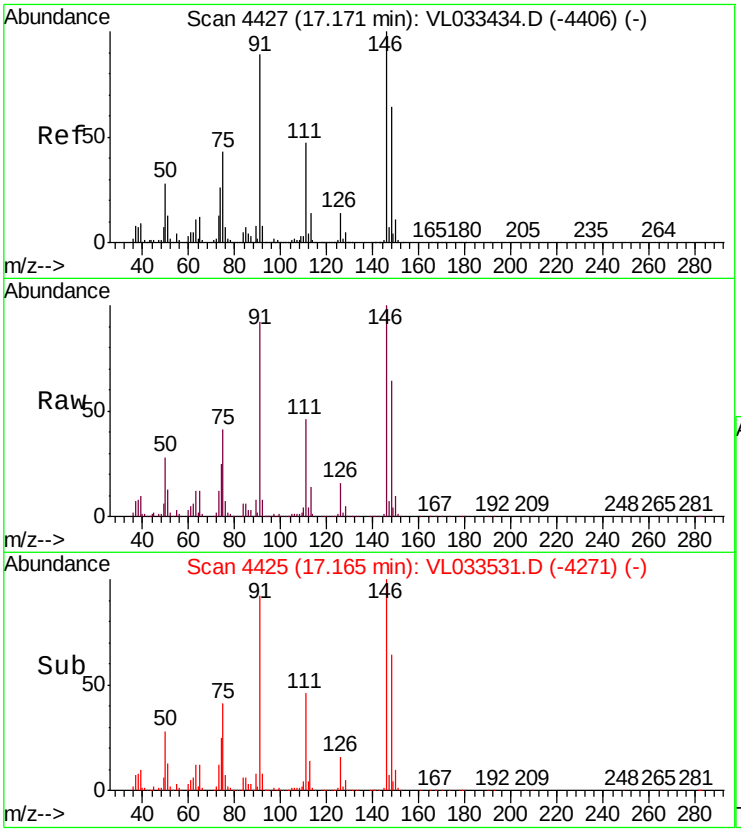


#74
1,2,4-Trimethylbenzene
Concen: 7.652 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion:105 Resp: 3279922

Ion	Ratio	Lower	Upper
105	100		
120	47.0	39.0	58.6
91	44.6	40.0	60.0
77	20.9	17.5	26.3



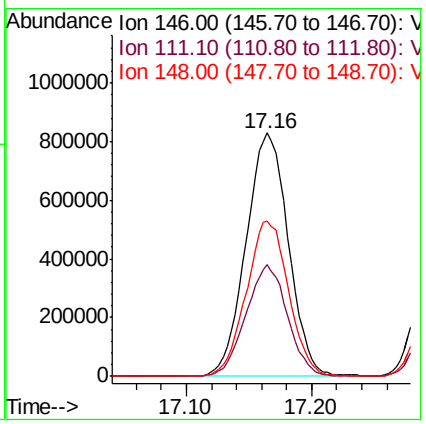


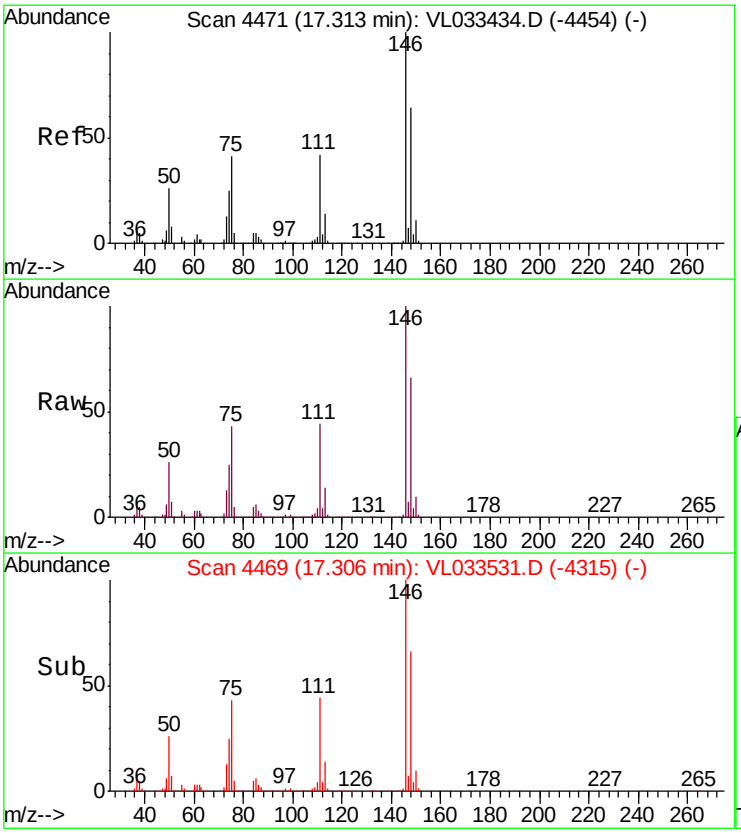
#75
1,3-Dichlorobenzene
Concen: 7.340 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1944515

Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.9	68.8
148	63.9	32.0	96.2

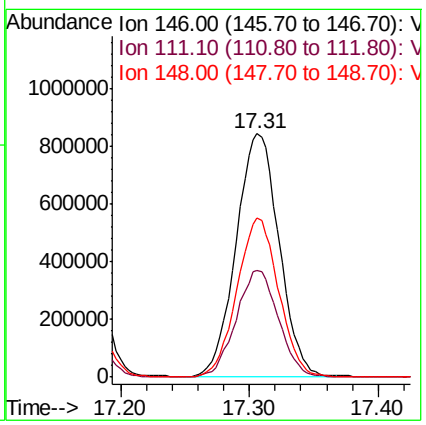


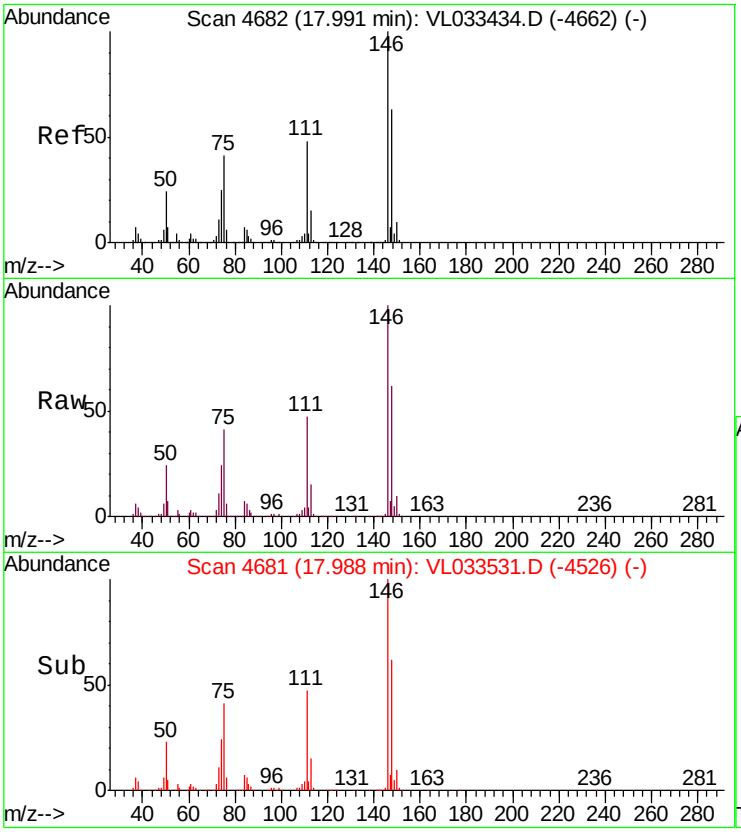


#76
1,4-Dichlorobenzene
Concen: 7.507 ppbv
RT: 17.31 min Scan# 4469
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion:146 Resp: 1937858

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.7	65.1
148	64.3	32.0	96.2



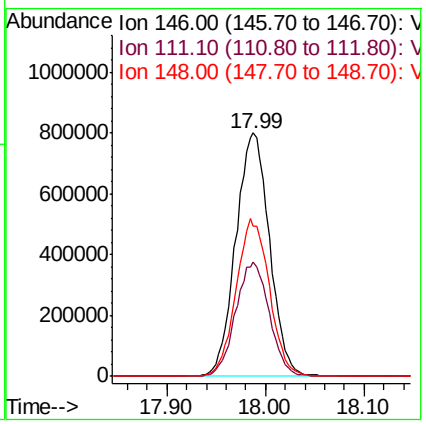


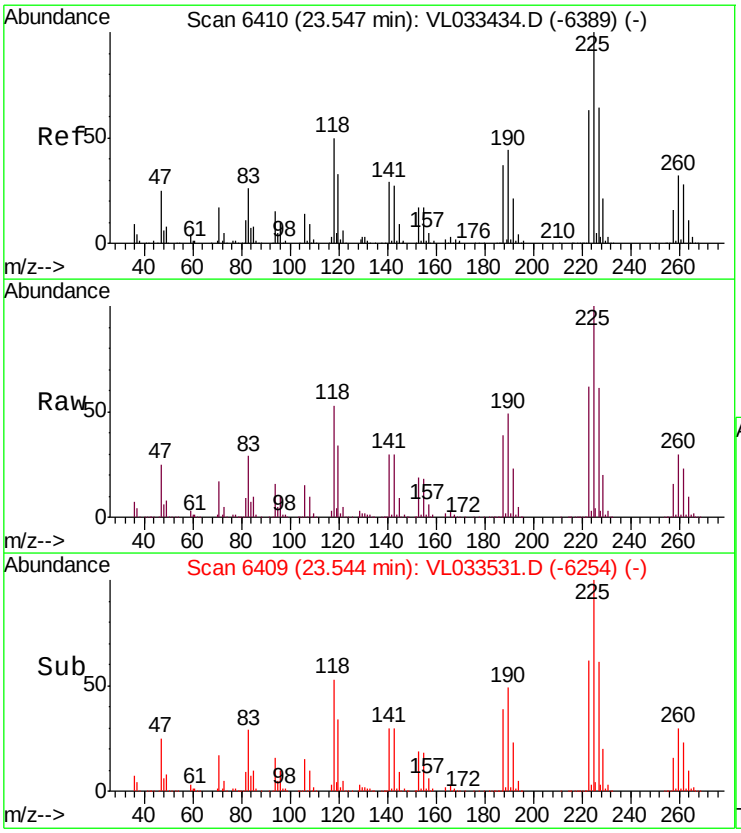
#77
1,2-Dichlorobenzene
Concen: 7.542 ppbv
RT: 17.99 min Scan# 4681
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1896002

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.5	70.5
148	63.9	32.0	96.0

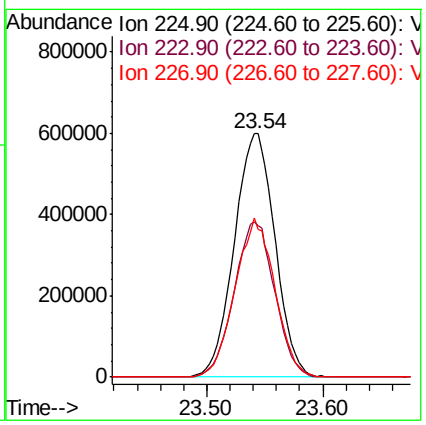


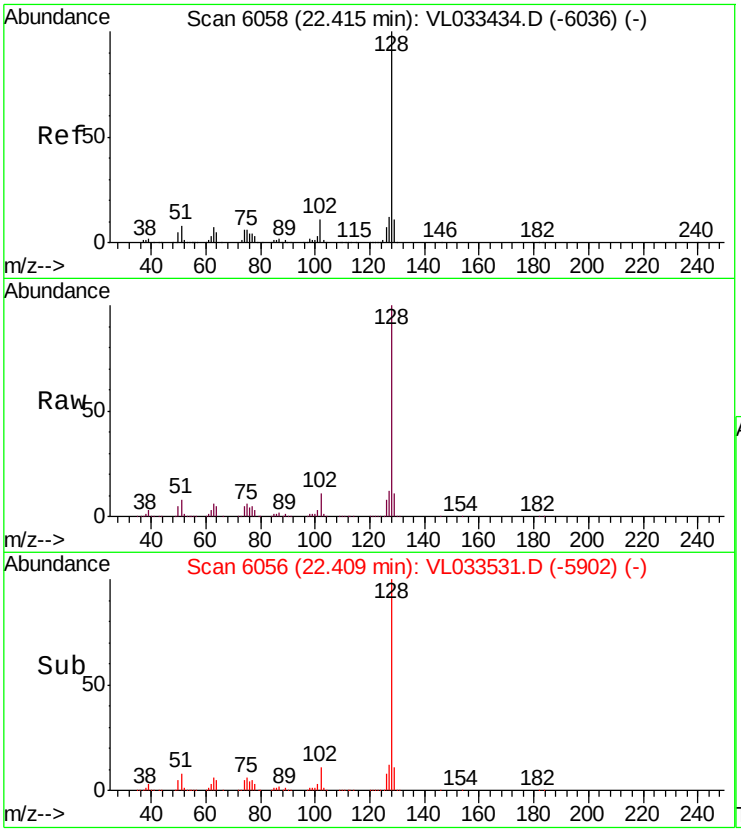


#78
Hexachloro-1,3-Butadiene
Concen: 8.780 ppbv
RT: 23.54 min Scan# 6409
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion:225 Resp: 1460921

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.0	75.0
227	63.8	51.1	76.7



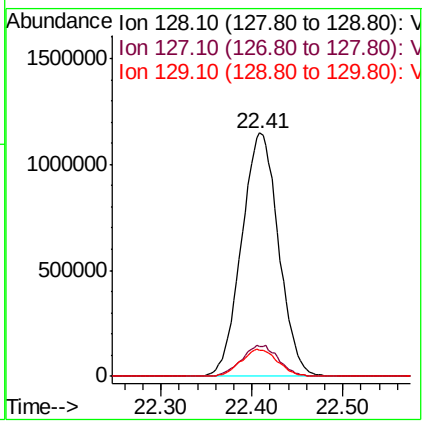


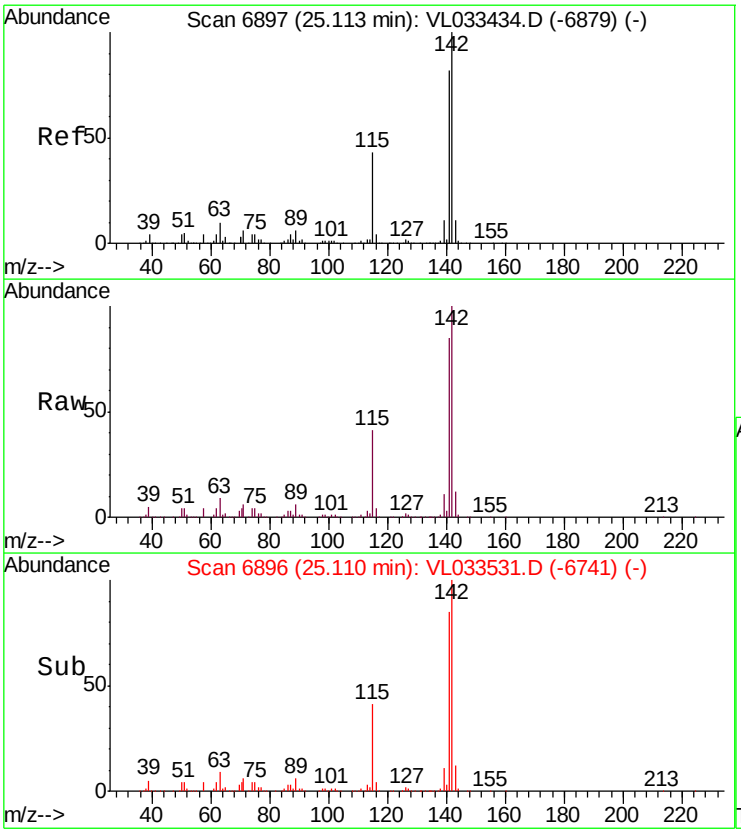
#79
Naphthalene
Concen: 8.811 ppbv
RT: 22.41 min Scan# 6056
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 3233088

Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.8	14.8
129	10.8	8.6	12.8

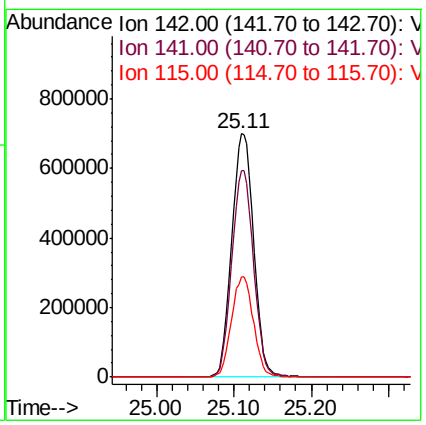


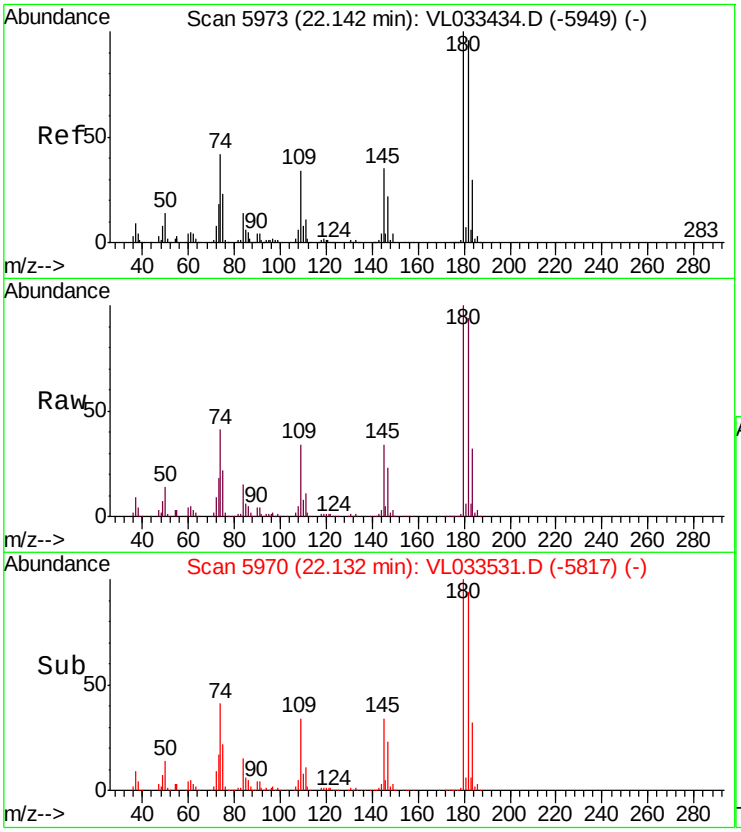


#80
Naphthalene,2-methyl-
Concen: 11.014 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. -0.00 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Tgt Ion:142 Resp: 1356303

Ion	Ratio	Lower	Upper
142	100		
141	84.4	66.6	99.8
115	41.3	34.4	51.6





#81
1,2,4-Trichlorobenzene
Concen: 8.220 ppbv
RT: 22.13 min Scan# 5970
Delta R.T. -0.01 min
Lab File: VL033531.D
Acq: 4 Apr 2019 12:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1673155

Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.0	115.4
184	30.8	24.6	36.8