Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051719\

Quantitation Report (Not Reviewed)

Data File : VL033719.D
Acq On : 17 May 2019 16:41
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: May 17 23:23:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	1080722	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	2580622	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	3271468	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2192112	8.27	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 82.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	2018145	8.861	ppbv		99
3) Chlorodifluoromethane	3.01	51	1239753	10.015	ppbv		100
4) Chloromethane	3.17	50	655303	9.255	ppbv		98
5) Vinyl Chloride	3.29	62	656921	9.108	ppbv		97
6) Bromomethane	3.51	94	429344	9.756	ppbv		100
7) Chloroethane	3.60	64	240217	9.372	ppbv		94
8) Dichlorotetrafluoroethane	3.22	85	1684073	9.172	ppbv		100
9) Propene	3.04	41	516274	9.805	ppbv		100
10) Heptane	8.25	43	1330527	8.923	ppbv		100
11) Trichlorofluoromethane	4.00	101	1955131	8.994	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1336016	8.801	ppbv		100
13) Ethanol	3.65	45	145742	8.564	ppbv		99
14) Bromoethene	3.79	108	541402	9.702	ppbv		99
15) Acetone	3.90	43	1265564	8.440	ppbv		100
16) 1,3-Butadiene	3.36	39	585774	9.810	ppbv		99
17) tert-Butyl alcohol	4.35	59	1150238	9.487	ppbv		99
18) 1,1-Dichloroethene	4.35	96	594351	9.277	ppbv		99
19) Isopropyl Alcohol	4.02	45	889539	9.201	ppbv		100
20) Methylene Chloride	4.41	84	506997	8.782	ppbv		94
21) Allyl Chloride	4.48	41	887354	9.488	ppbv		99
22) trans-1,2-Dichloroethene	4.97	96	635519	9.677	ppbv		98
23) Vinyl Acetate	5.16	43	2121945	10.733	ppbv		99
24) 1,1-Dichloroethane	5.09	63	1421518	9.459	ppbv		99
25) Ethyl Acetate	5.77	43	2341605	8.890	ppbv		100
26) Hexane	5.78	57	1018813	8.997	ppbv		98
27) Carbon Disulfide	4.62	76	1505477	9.691	ppbv		100
28) Methyl tert-Butyl Ether	5.11	73	1878017	10.173	ppbv		100
29) Chloroform	5.85	83	1713606	8.215	ppbv		98
30) Cyclohexane	7.25	84	892288	9.373	ppbv		100
31) cis-1,2-Dichloroethene	5.64	61	1102511	9.819	ppbv		98
32) 1,1,1-Trichloroethane	6.62	97	1814799	8.714	ppbv		99
34) 2-Butanone	5.33	43	1622721	10.145	ppbv		100
35) Carbon Tetrachloride	7.13	117	1927151	9.323	ppbv		98
36) Benzene	7.01	78	2190389	9.331	ppbv		98
37) 1,2-Dichloroethane	6.42	62	1342170	8.863	ppbv		100
38) Trichloroethene	7.96	130	871014	9.999	ppbv		98
39) 1,2-Dichloropropane	7.74	63	801039	9.153	ppbv		97
40) 1,4-Dioxane	7.96	88	324679	8.868	ppbv	#	98
41) Tetrahydrofuran	6.15	42	861165	9.609	ppbv		100
42) Bromodichloromethane	7.92	83	1909892	9.213	ppbv		97
43) Methyl Methacrylate	8.14	69	877139	10.153	ppbv		100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051719\

Quantitation Report (Not Reviewed)

Data File : VL033719.D
Acq On : 17 May 2019 16:41
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: May 17 23:23:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3587962	9.044	ppbv		100
45) t-1,3-Dichloropropene	9.42	75	1204992	11.002	ppbv		96
46) cis-1,3-Dichloropropene	8.84	75	1341078	10.457	ppbv		98
47) 1,1,2-Trichloroethane	9.61	97	911056	9.163	ppbv		97
48) Dibromochloromethane	10.45	129	1692585	9.825	ppbv		100
49) Bromoform	13.20	173	1489899	10.278	ppbv		100
50) 4-Methyl-2-Pentanone	8.87	43	2332857	9.482	ppbv		100
51) 2-Hexanone	10.27	43	1980689	10.315	ppbv	#	100
52) Tetrachloroethene	11.37	164	831663	10.078	ppbv		99
53) Toluene	9.95	91	2575701	10.173	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1439686	9.488	ppbv		93
56) 1,1,1,2-Tetrachloroethane	12.28	131	1124807	7.430	ppbv		97
57) Chlorobenzene	12.30	112	1973589	7.329	ppbv		99
58) Ethyl Benzene	12.87	91	3531380	8.151	ppbv		99
59) m/p-Xylene	13.15	91	2590681	6.841	ppbv	#	11
60) o-Xylene	13.85	91	2936943	7.693	ppbv		99
61) Styrene	13.69	104	2249268	8.751	ppbv		100
62) Isopropylbenzene	14.83	105	4009695	7.799	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	2019991	7.276	ppbv		100
64) n-propylbenzene	15.72	120	1033974	7.775	ppbv		99
65) tert-Butylbenzene	16.91	119	3552826	7.569	ppbv		99
66) Benzyl Chloride	17.16	91	2078513	9.297	ppbv		99
67) sec-Butylbenzene	17.46	105	4984278	7.586	ppbv		100
69) p-Isopropyltoluene	17.82	119	4188675	7.714	ppbv		100
70) n-Butylbenzene	18.72	91	4391622	7.542	ppbv		99
71) 2-Chlorotoluene	15.62	91	3049127	7.994	ppbv		100
72) 4-Ethyltoluene	16.00	105	3479987	7.973	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	3305552	7.762	ppbv		99
74) 1,2,4-Trimethylbenzene	16.93	105	3413587	7.365	ppbv		95
75) 1,3-Dichlorobenzene	17.17	146	1991601	7.012	ppbv		100
76) 1,4-Dichlorobenzene	17.31	146	2003208	7.421	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	1895201	7.101	ppbv		100
78) Hexachloro-1,3-Butadiene	23.54	225	1451506	7.194	ppbv		100
79) Naphthalene	22.41	128	3014040	7.001	ppbv		99
80) Naphthalene,2-methyl-	25.11	142	1133245	6.928	ppbv		100
81) 1,2,4-Trichlorobenzene	22.14	180	1650599	6.548	ppbv		99

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

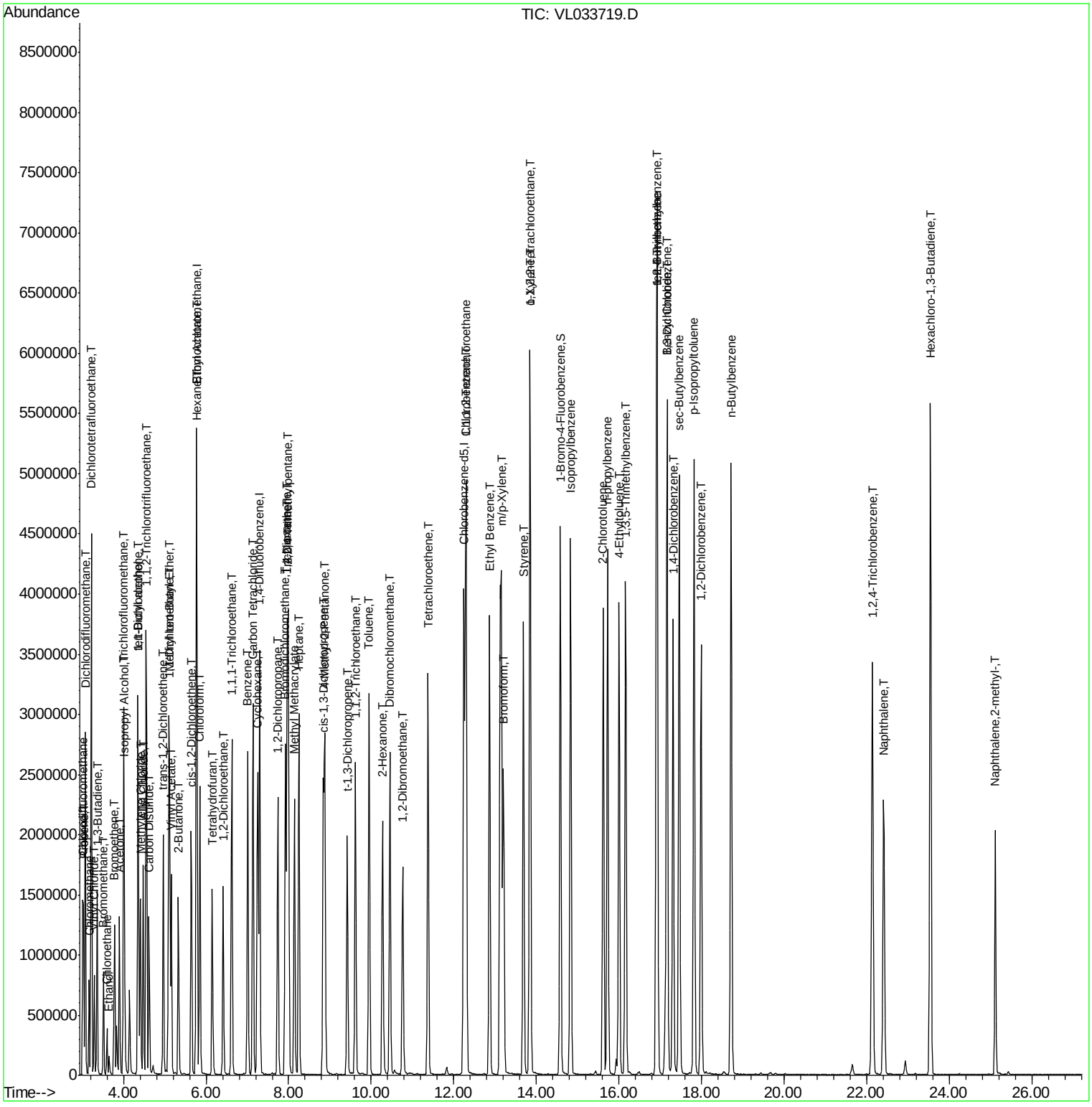
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051719\

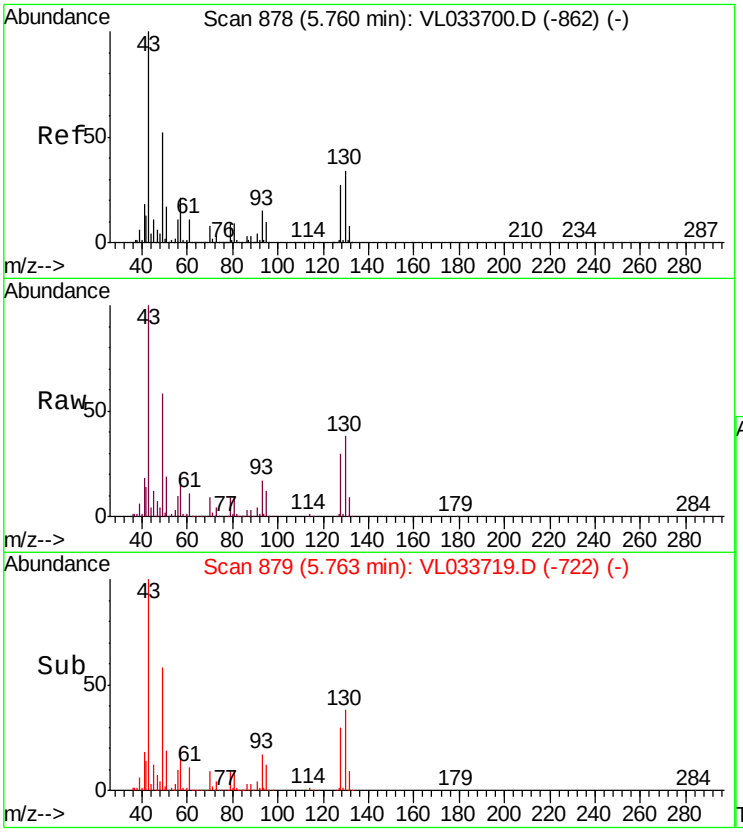
Quantitation Report (Not Reviewed)

Data File : VL033719.D
Acq On : 17 May 2019 16:41
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: May 17 23:23:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



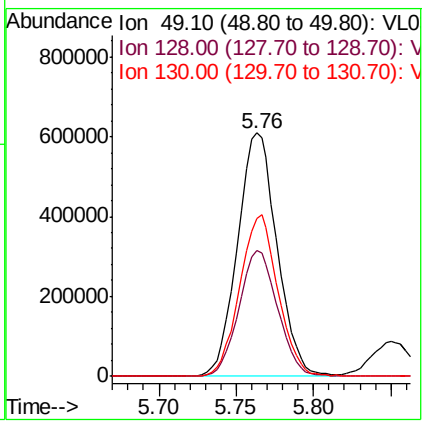


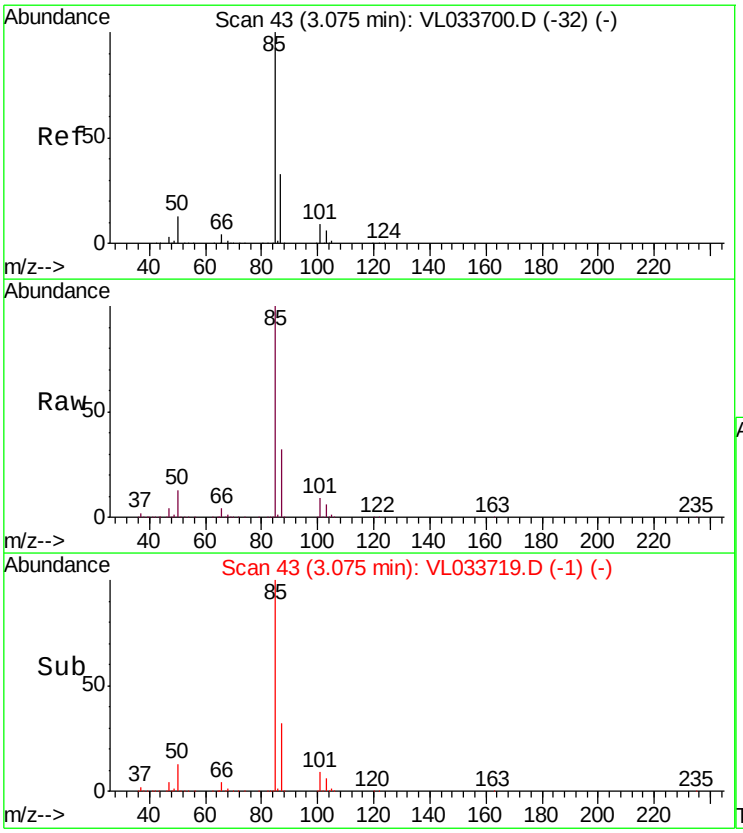
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 1080722

Ion	Ratio	Lower	Upper
49	100		
128	50.9	25.2	75.6
130	64.7	32.5	97.5

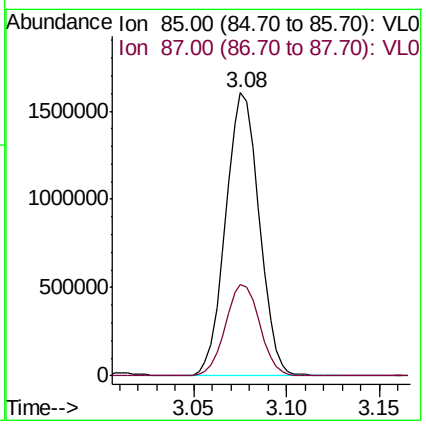


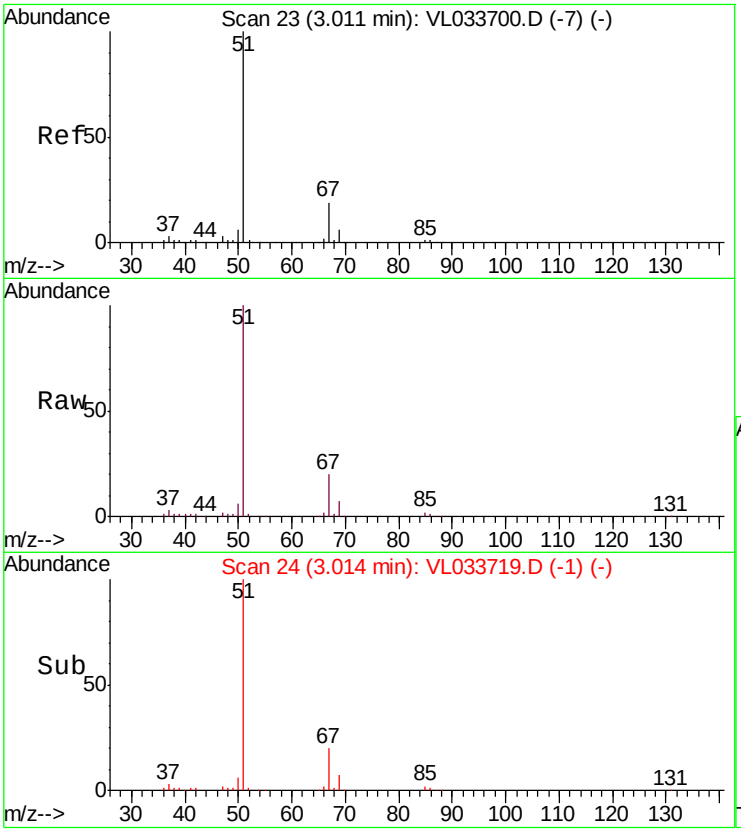


#2
Dichlorodifluoromethane
Concen: 8.861 ppbv
RT: 3.08 min Scan# 43
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 85 Resp: 2018145

Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.3	39.5



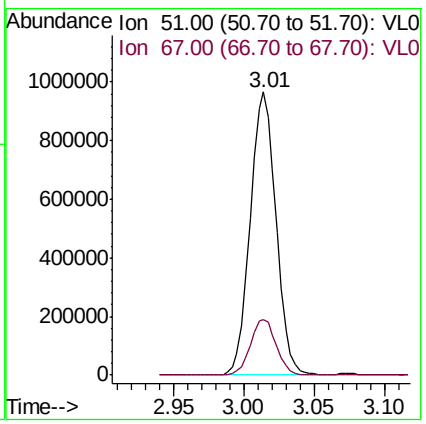


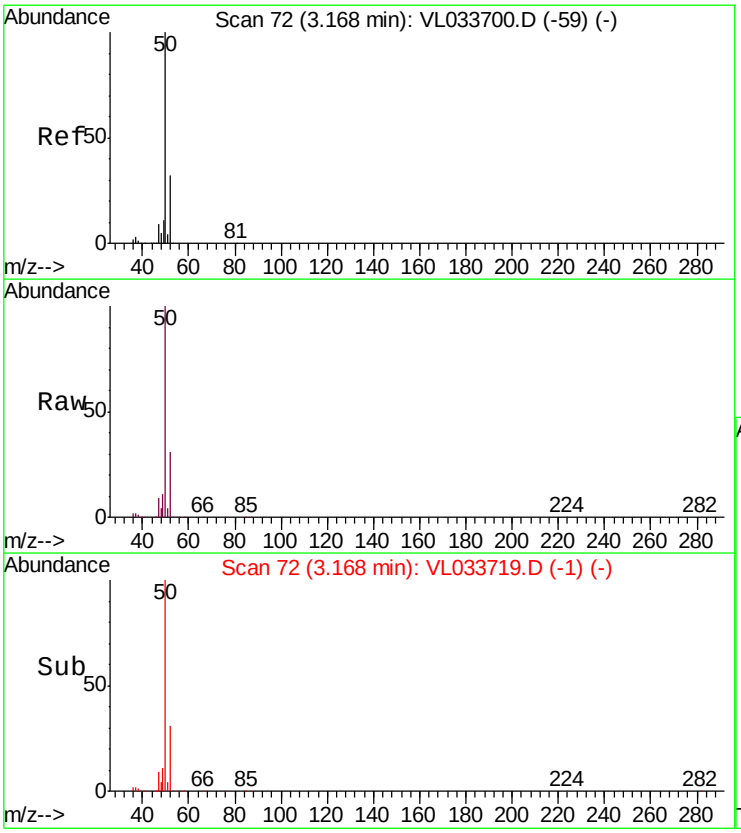
#3
Chlorodifluoromethane
Concen: 10.015 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 51 Resp: 1239753

Ion	Ratio	Lower	Upper
51	100		
67	19.6	15.6	23.4

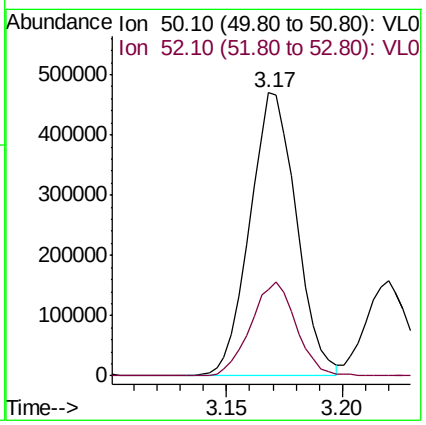


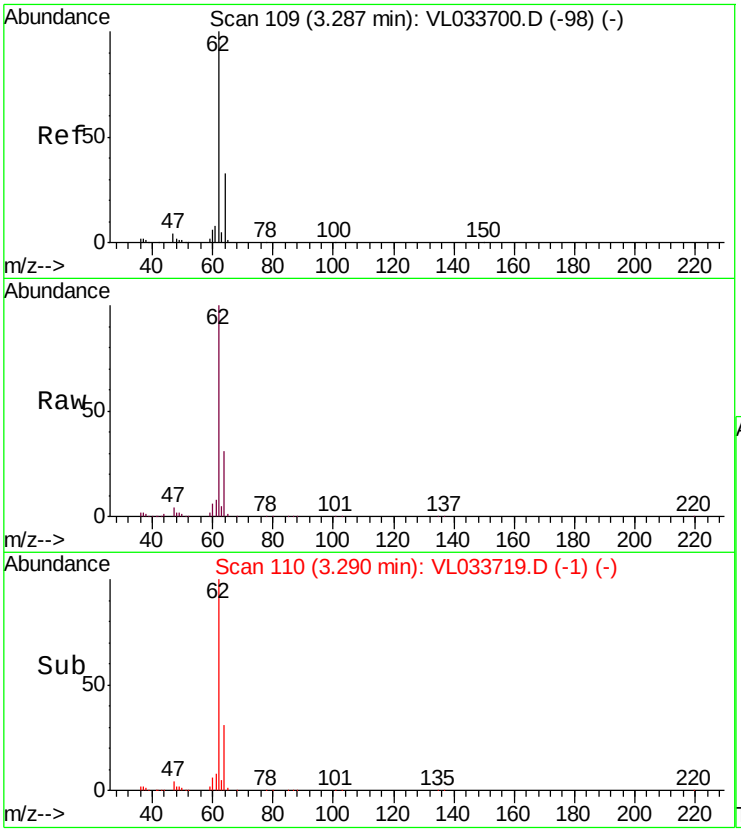


#4
Chloromethane
Concen: 9.255 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 50 Resp: 655303

Ion	Ratio	Lower	Upper
50	100		
52	30.7	25.7	38.5



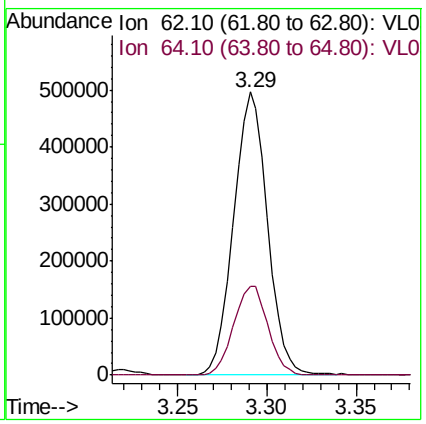


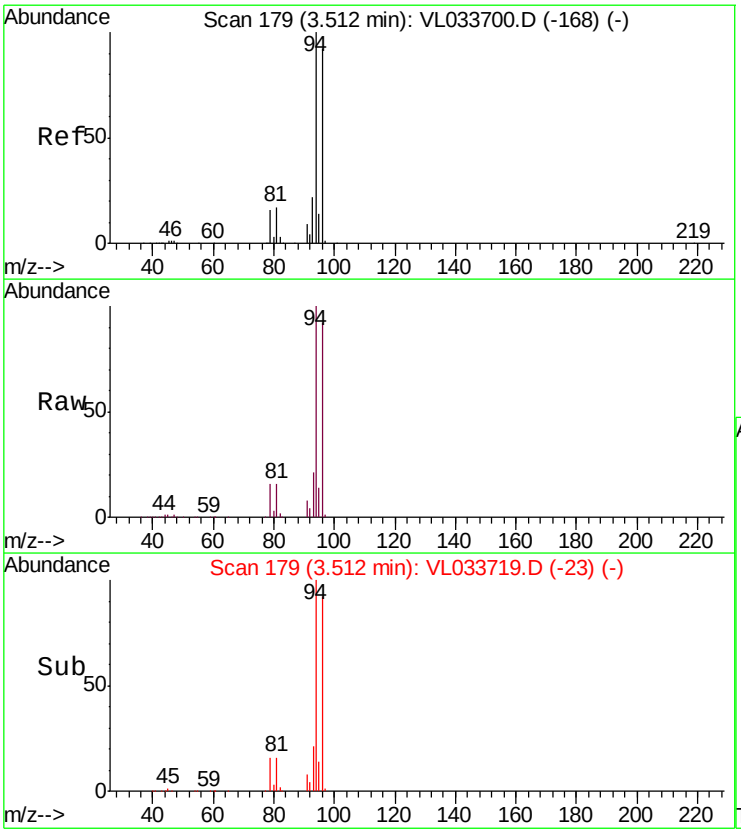
#5
Vinyl Chloride
Concen: 9.108 ppbv
RT: 3.29 min Scan# 110
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 656921

Ion	Ratio	Lower	Upper
62	100		
64	31.3	26.4	39.6

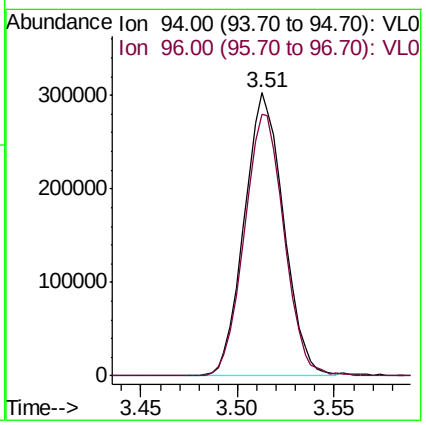


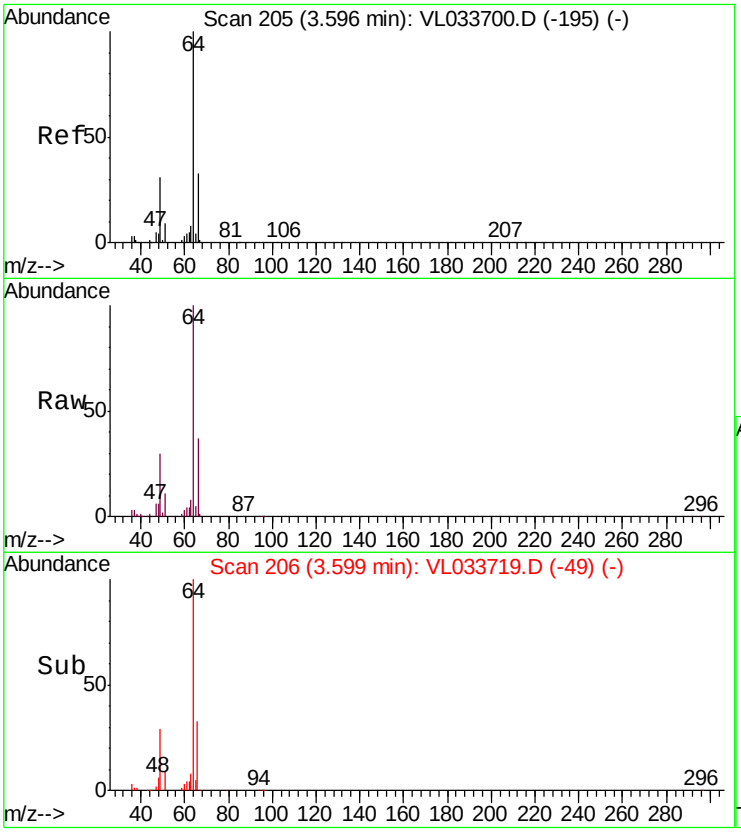


#6
Bromomethane
Concen: 9.756 ppbv
RT: 3.51 min Scan# 179
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 94 Resp: 429344

Ion	Ratio	Lower	Upper
94	100		
96	92.3	73.6	110.4



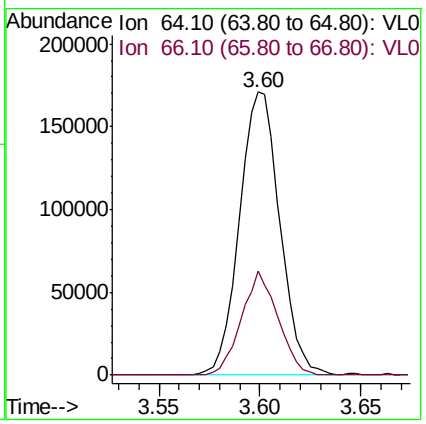


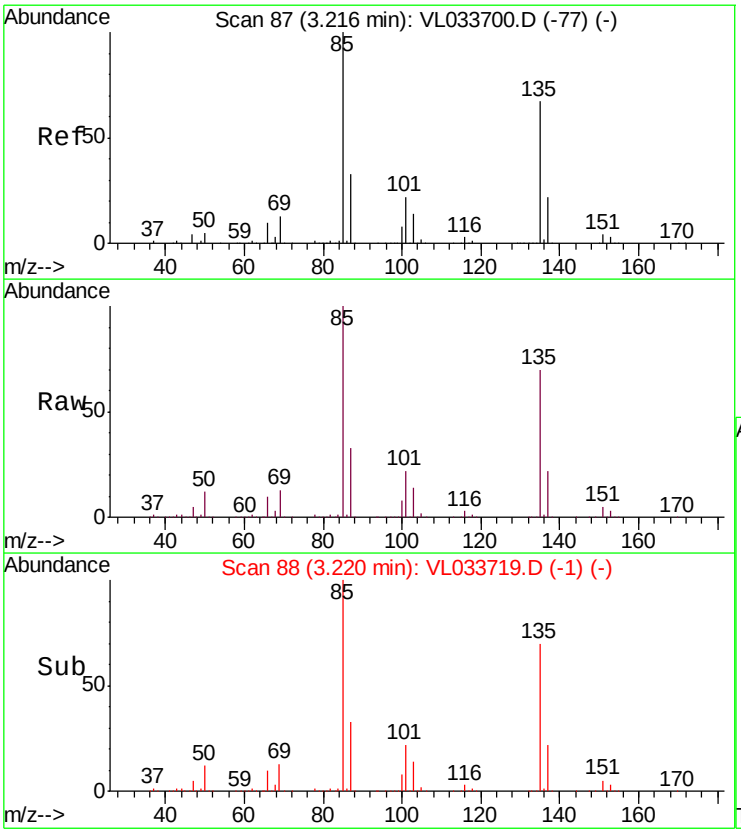
#7
Chloroethane
Concen: 9.372 ppbv
RT: 3.60 min Scan# 206
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 64 Resp: 240217

Ion	Ratio	Lower	Upper
64	100		
66	36.7	26.6	40.0

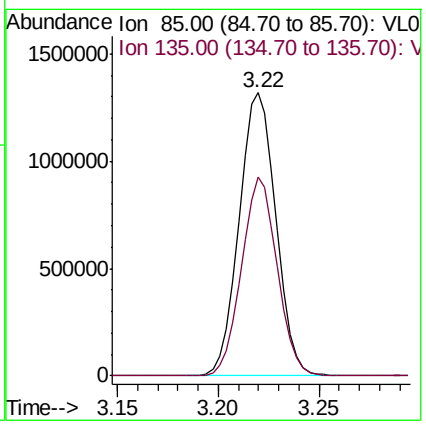


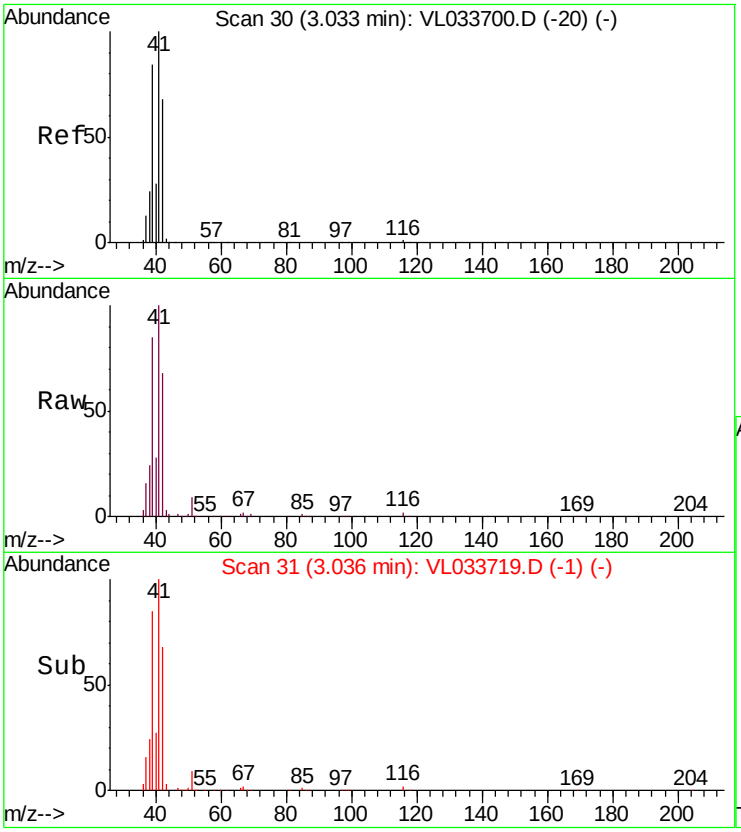


#8
Dichlorotetrafluoroethane
Concen: 9.172 ppbv
RT: 3.22 min Scan# 88
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 85 Resp: 1684073

Ion	Ratio	Lower	Upper
85	100		
135	68.3	54.5	81.7



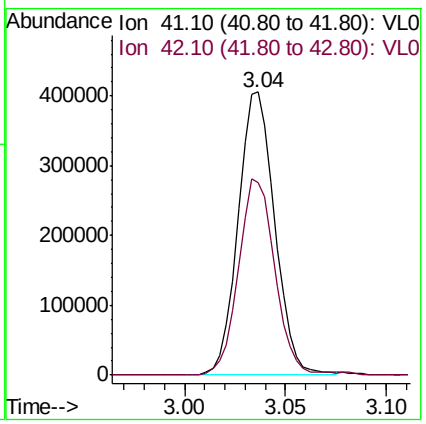


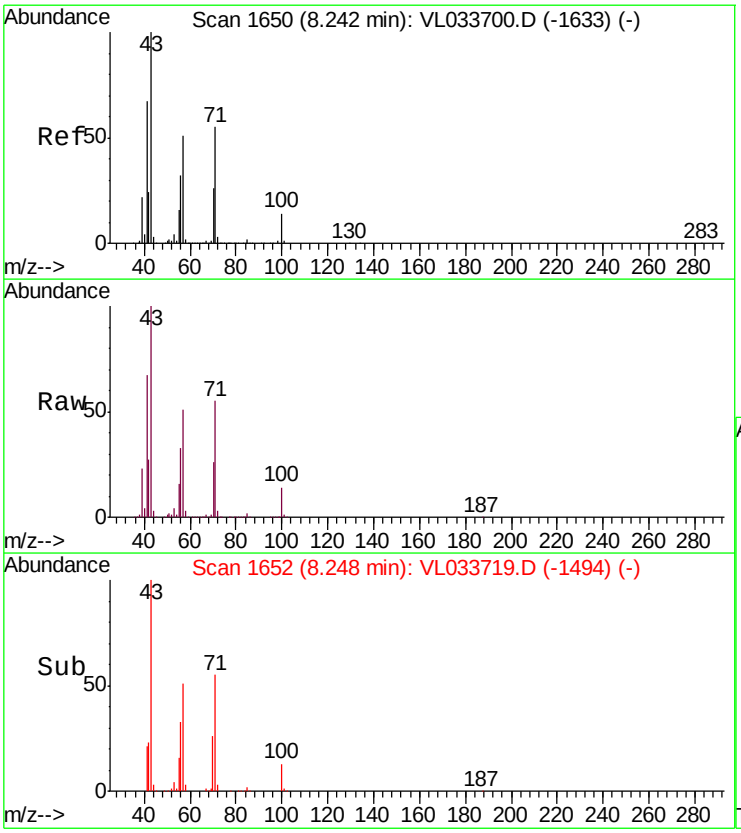
#9
Propene
Concen: 9.805 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 516274

Ion	Ratio	Lower	Upper
41	100		
42	70.0	56.1	84.1

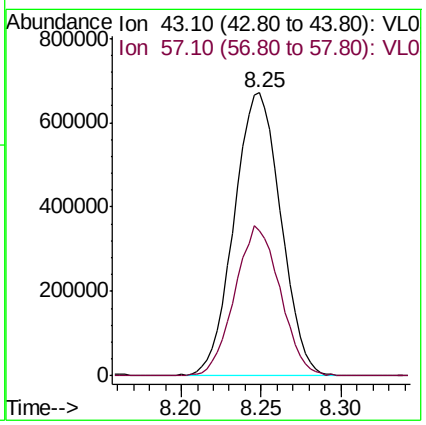


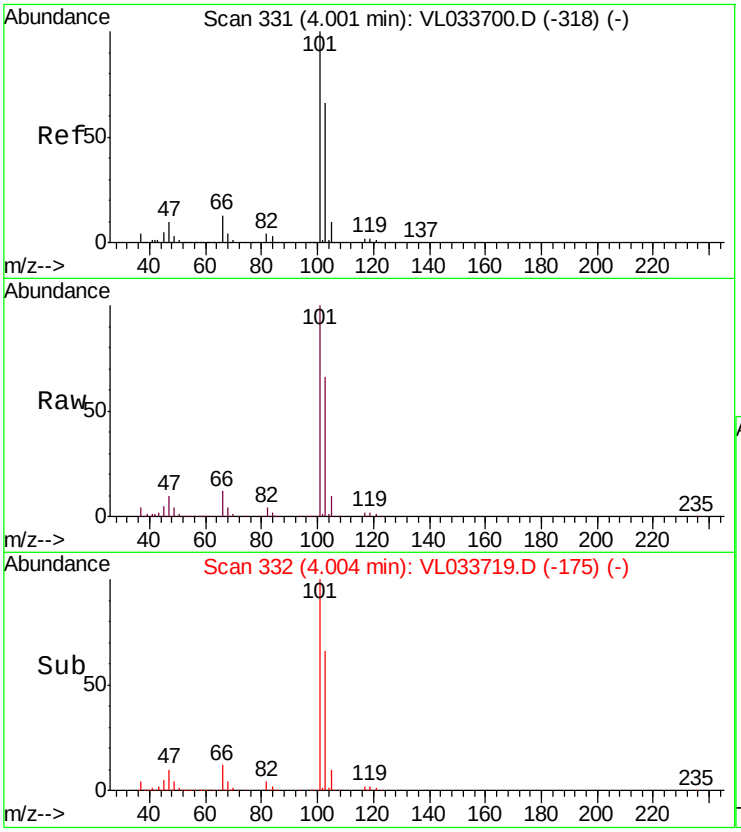


#10
Heptane
Concen: 8.923 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.01 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 43 Resp: 1330527

Ion	Ratio	Lower	Upper
43	100		
57	51.7	41.4	62.0



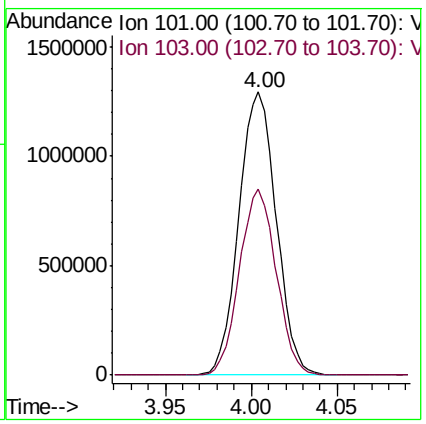


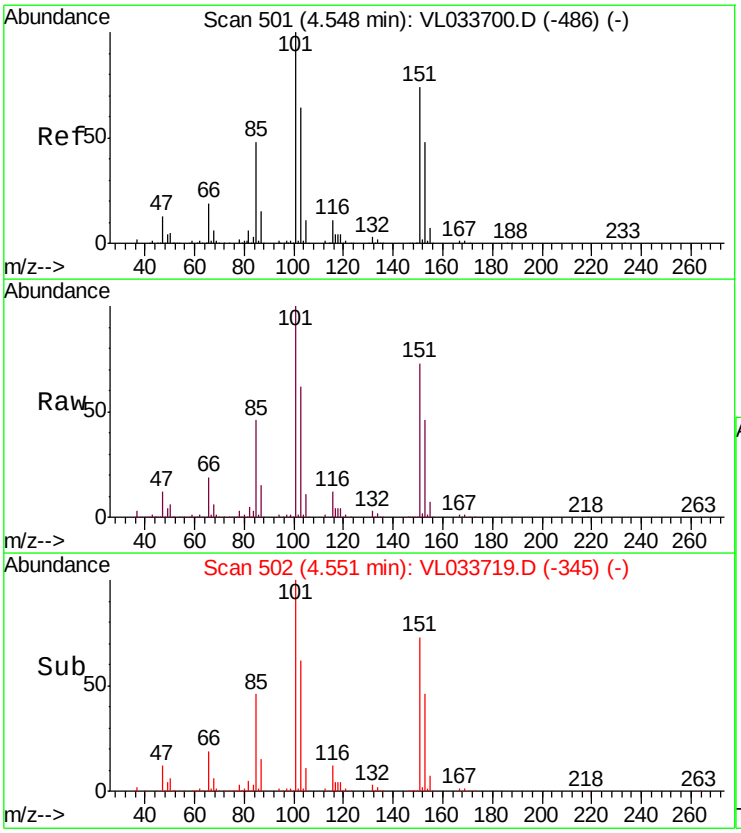
#11
Trichlorofluoromethane
Concen: 8.994 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:101 Resp: 1955131

Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.6	78.8

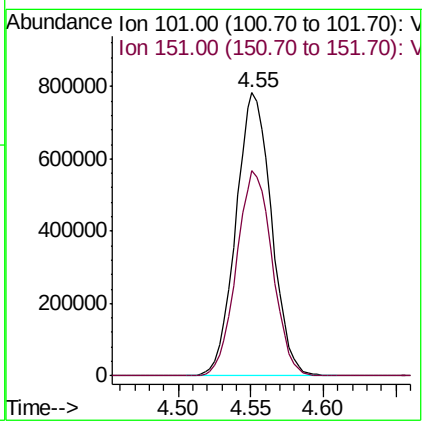


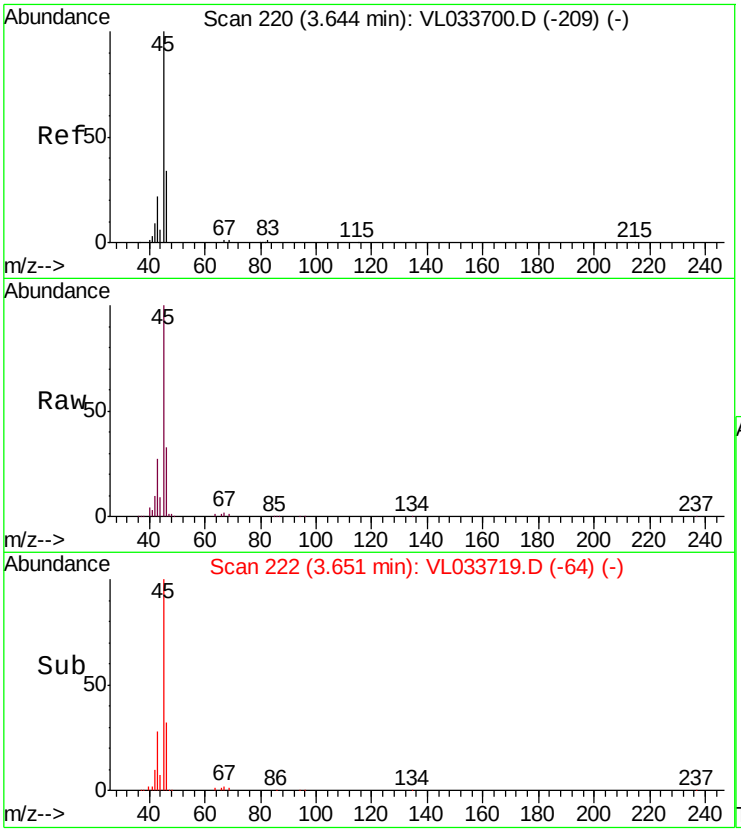


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.801 ppbv
RT: 4.55 min Scan# 502
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion:101 Resp: 1336016

Ion	Ratio	Lower	Upper
101	100		
151	73.1	58.2	87.4



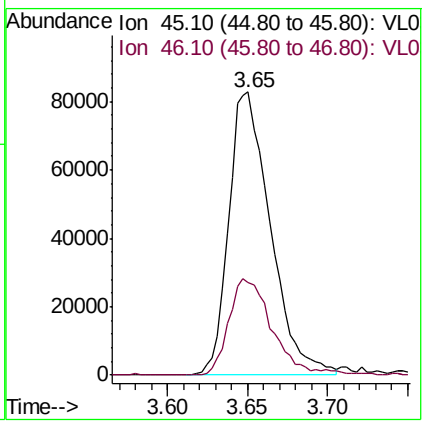


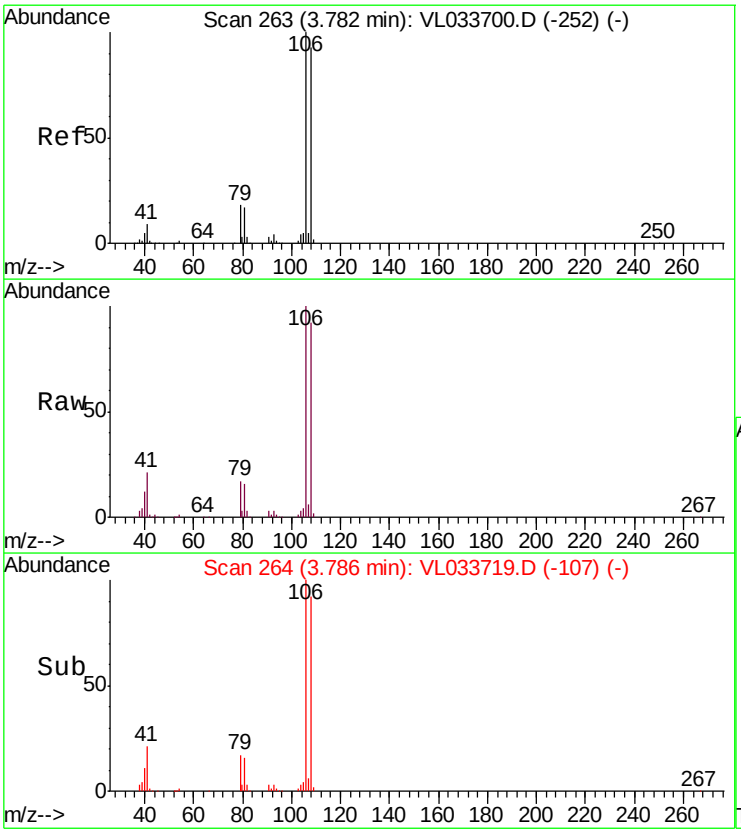
#13
Ethanol
Concen: 8.564 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.01 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 145742

Ion	Ratio	Lower	Upper
45	100		
46	36.1	14.8	59.0

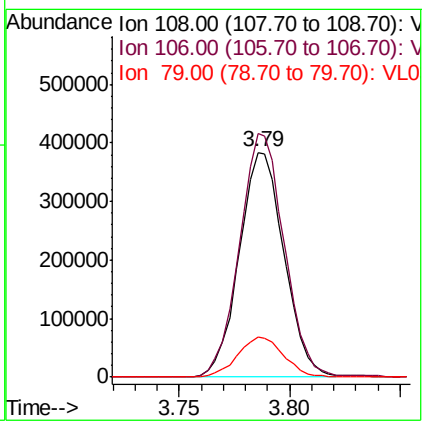


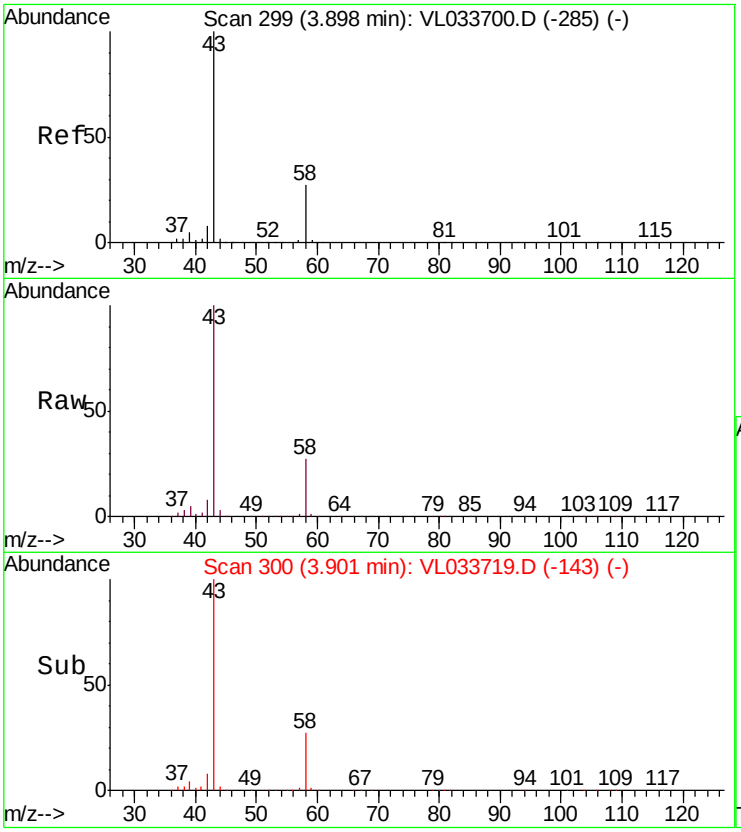


#14
Bromoethene
Concen: 9.702 ppbv
RT: 3.79 min Scan# 264
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion:108 Resp: 541402

Ion	Ratio	Lower	Upper
108	100		
106	108.7	86.5	129.7
79	18.1	15.1	22.7



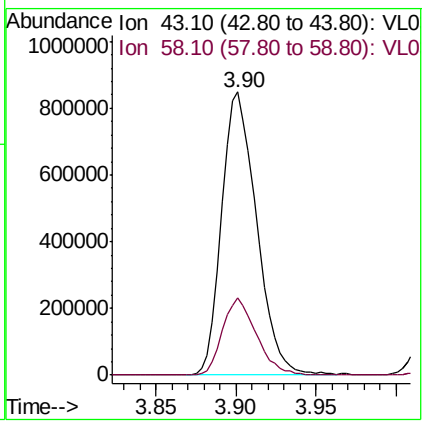


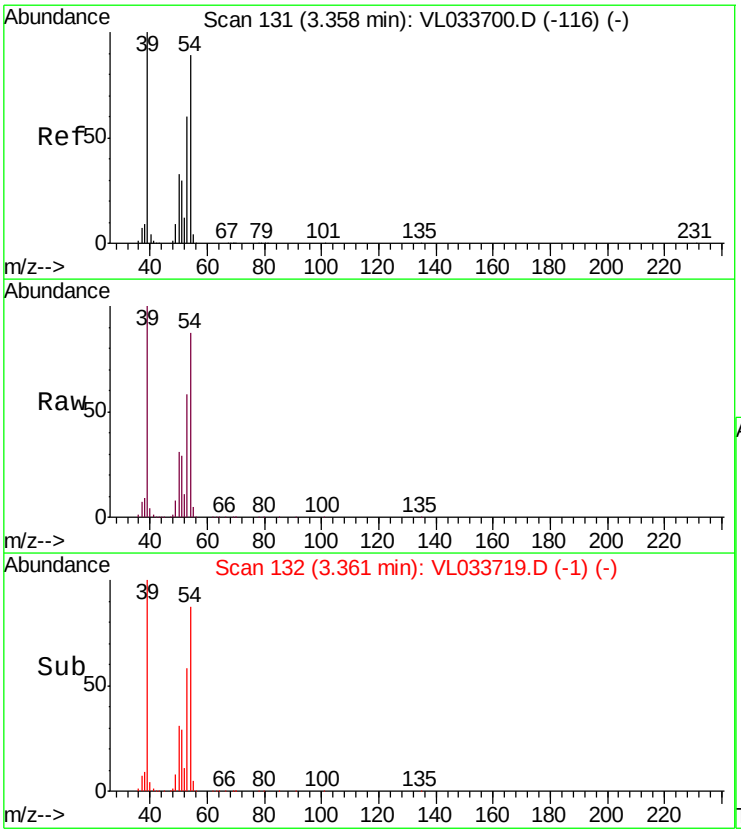
#15
Acetone
Concen: 8.440 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1265564

Ion	Ratio	Lower	Upper
43	100		
58	26.6	21.3	31.9

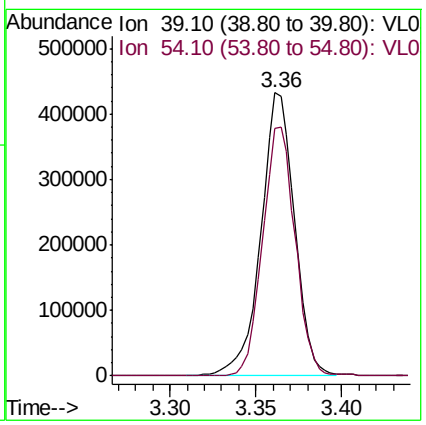


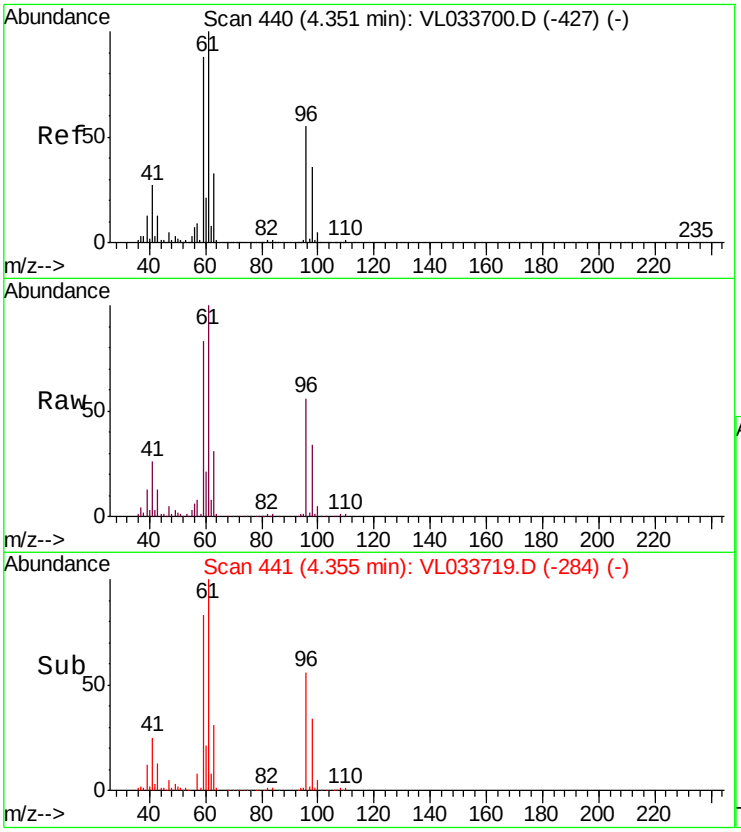


#16
1,3-Butadiene
Concen: 9.810 ppbv
RT: 3.36 min Scan# 132
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 39 Resp: 585774

Ion	Ratio	Lower	Upper
39	100		
54	85.2	69.0	103.6



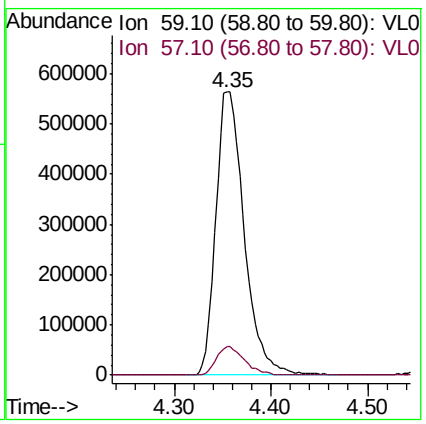


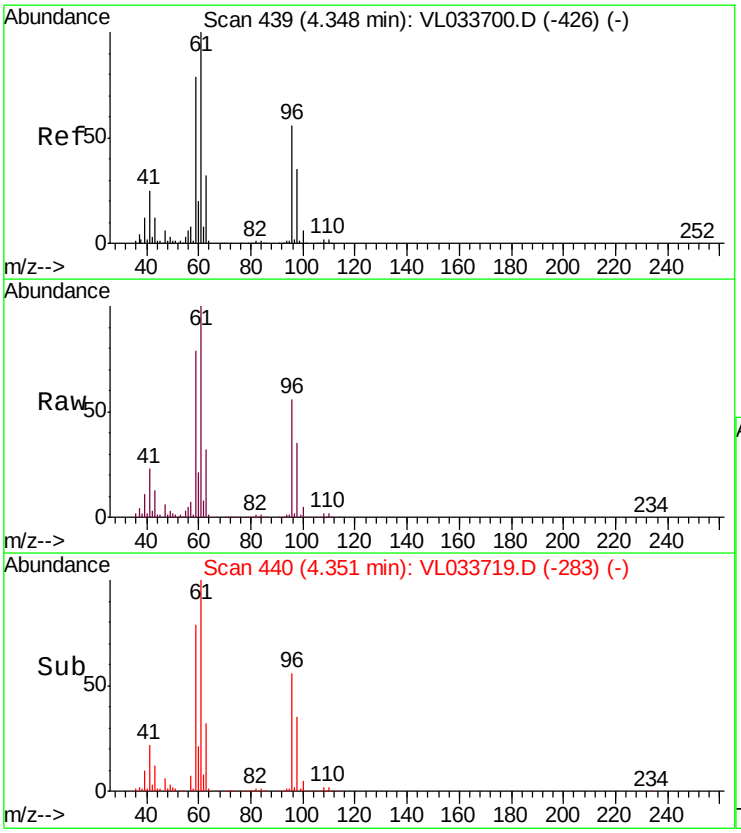
#17
tert-Butyl alcohol
Concen: 9.487 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 1150238

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.4	12.6

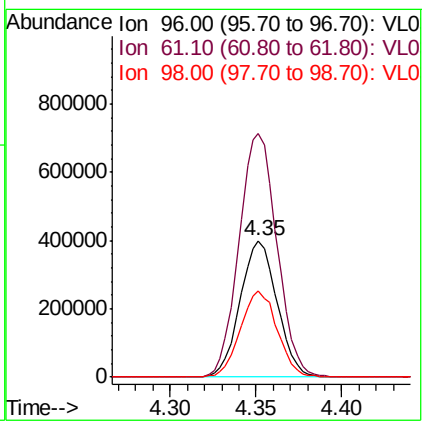


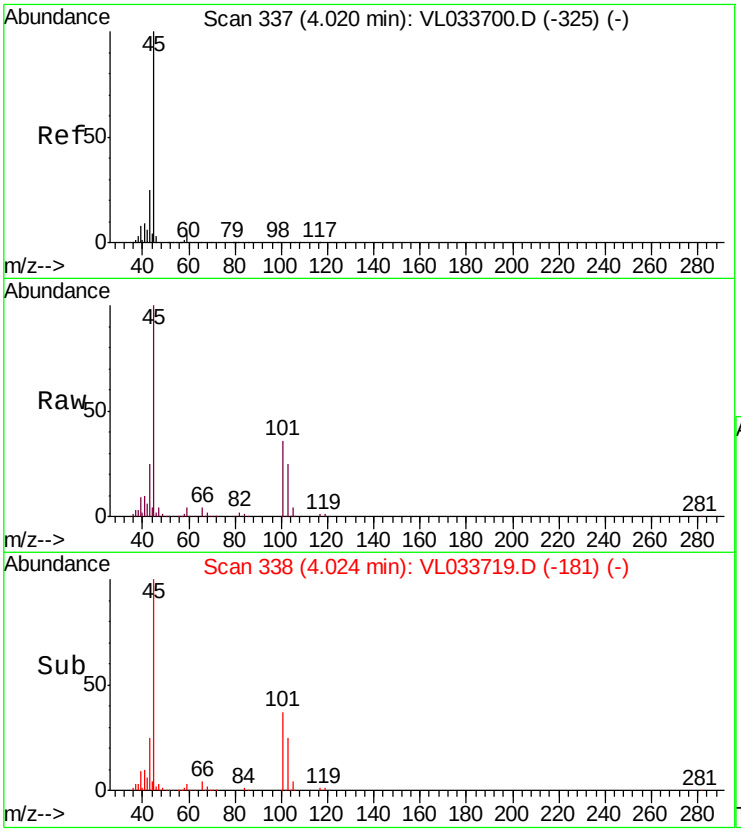


#18
1,1-Dichloroethene
Concen: 9.277 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 96 Resp: 594351

Ion	Ratio	Lower	Upper
96	100		
61	178.3	143.1	214.7
98	62.8	49.5	74.3



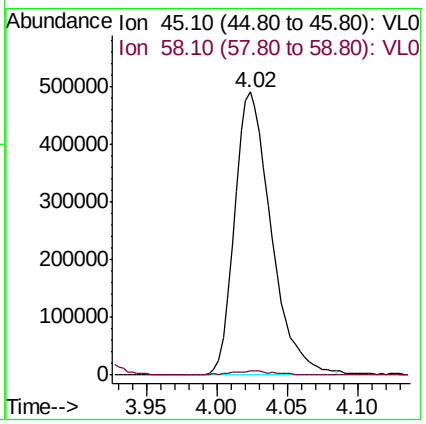


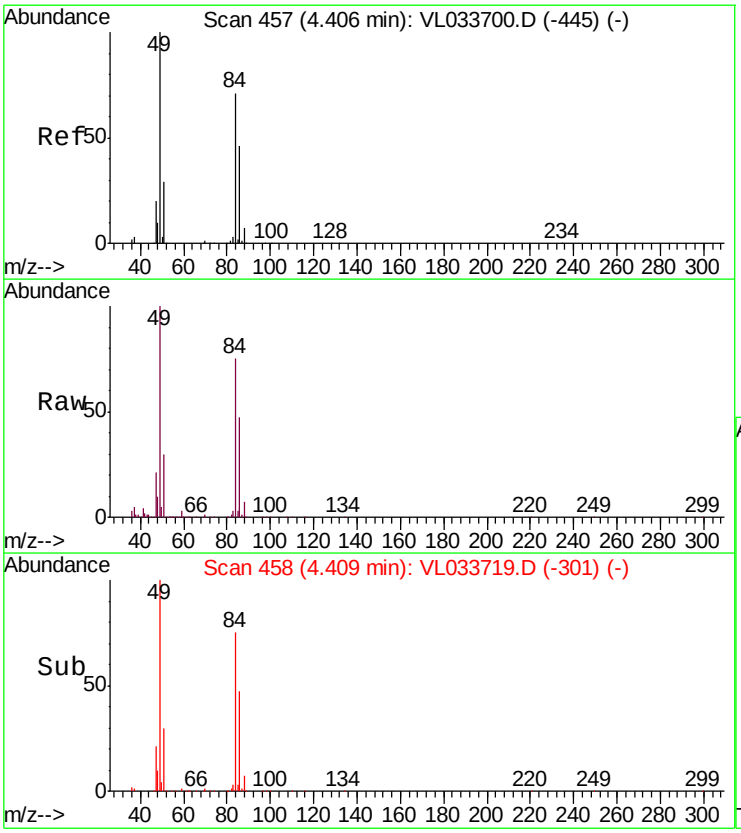
#19
Isopropyl Alcohol
Concen: 9.201 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 45 Resp: 889539

Ion	Ratio	Lower	Upper
45	100		
58	2.0	1.6	2.4

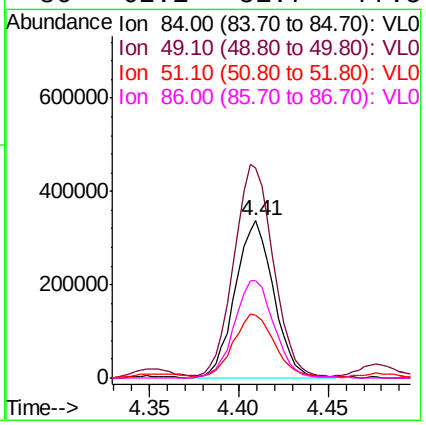


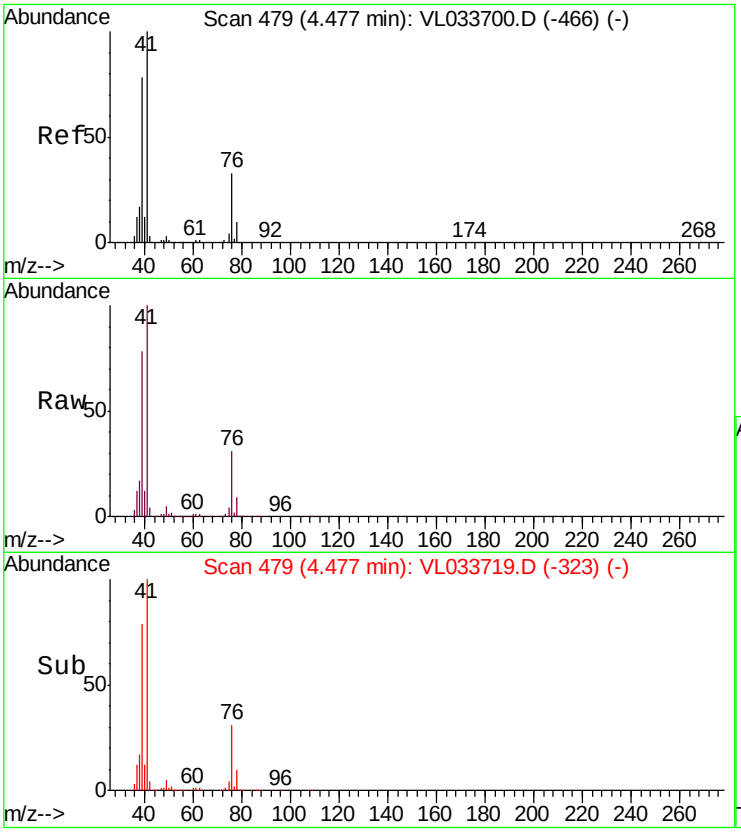


#20
Methylene Chloride
Concen: 8.782 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 84 Resp: 506997

Ion	Ratio	Lower	Upper
84	100		
49	132.2	112.8	169.2
51	38.6	33.4	50.0
86	62.1	51.7	77.5



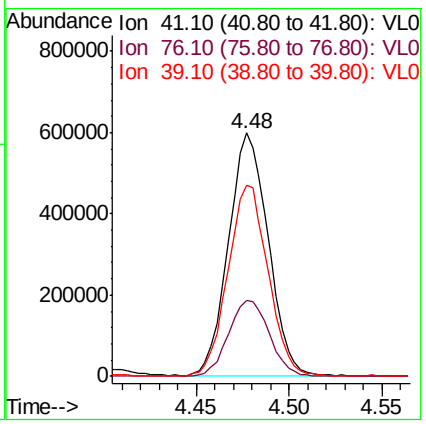


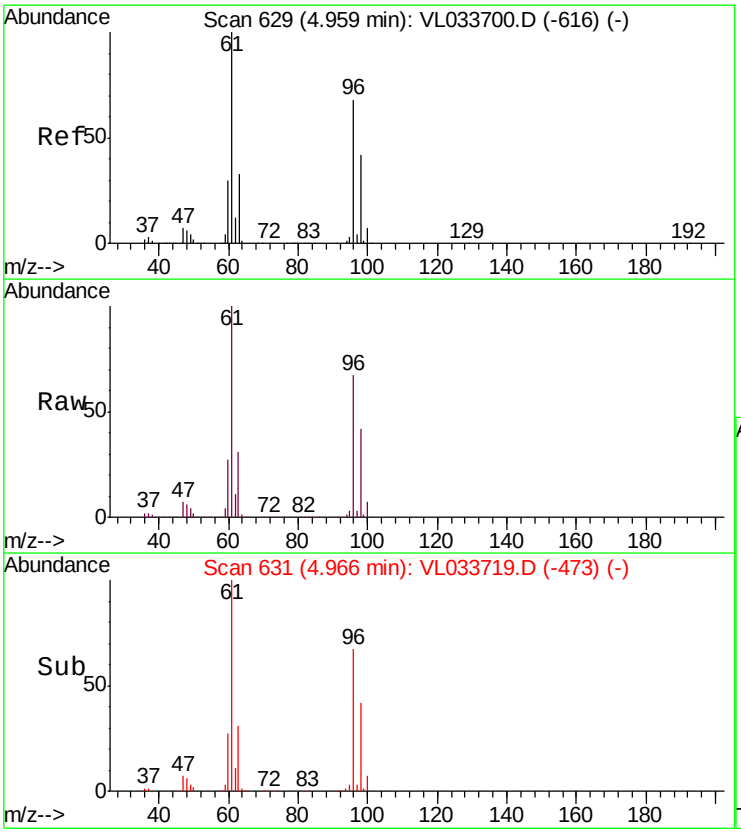
#21
Allyl Chloride
Concen: 9.488 ppbv
RT: 4.48 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 41 Resp: 887354

Ion	Ratio	Lower	Upper
41	100		
76	32.2	25.9	38.9
39	79.9	64.6	97.0

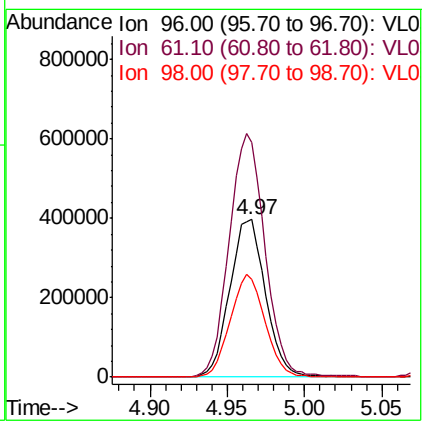


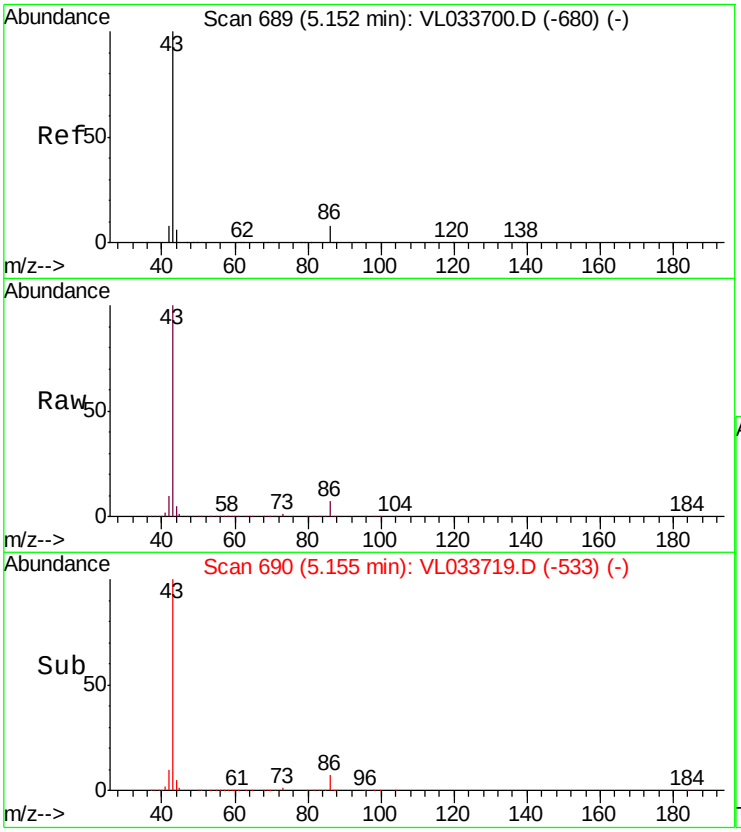


#22
trans-1,2-Dichloroethene
Concen: 9.677 ppbv
RT: 4.97 min Scan# 631
Delta R.T. 0.01 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 96 Resp: 635519

Ion	Ratio	Lower	Upper
96	100		
61	149.0	116.8	175.2
98	62.3	49.4	74.0



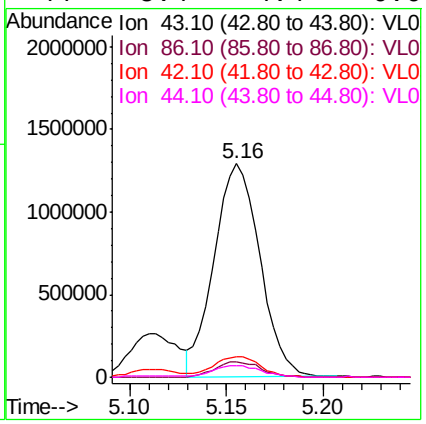


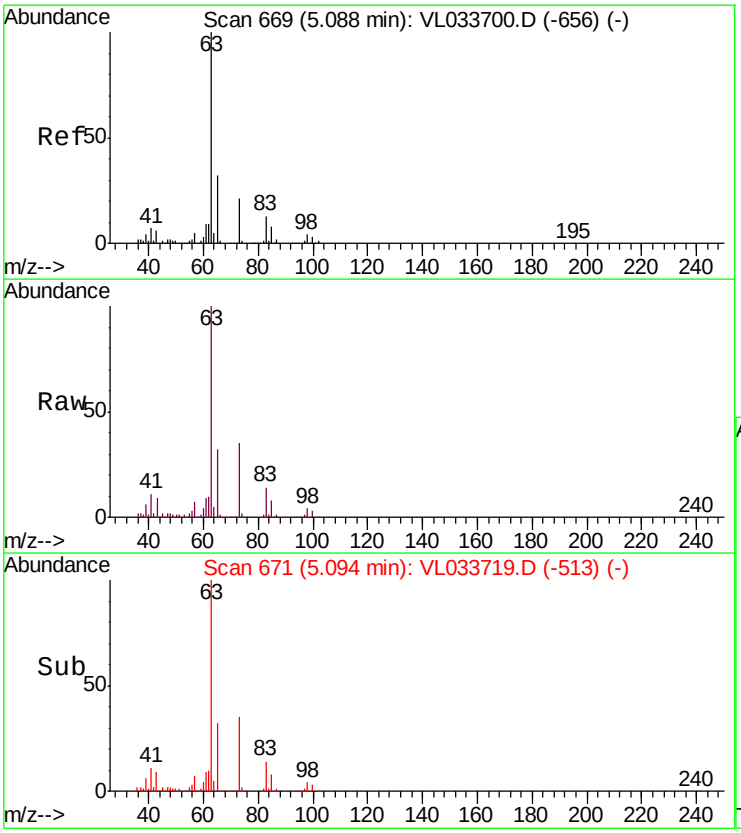
#23
Vinyl Acetate
Concen: 10.733 ppbv
RT: 5.16 min Scan# 690
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 2121945

Ion	Ratio	Lower	Upper
43	100		
86	7.3	6.0	9.0
42	9.7	7.5	11.3
44	5.4	4.4	6.6

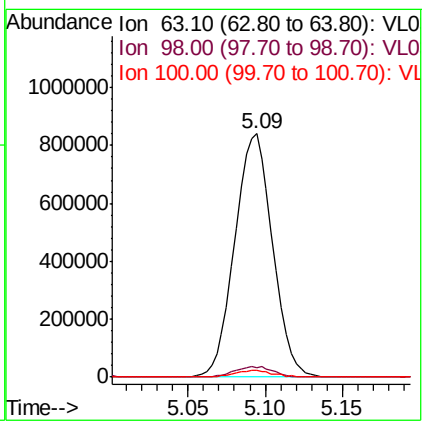


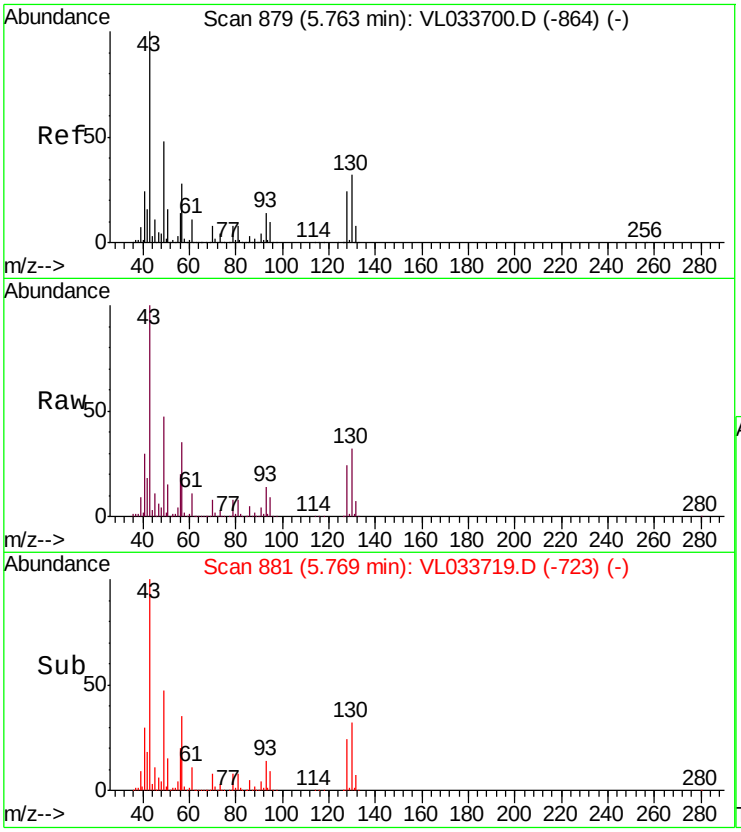


#24
1,1-Dichloroethane
Concen: 9.459 ppbv
RT: 5.09 min Scan# 671
Delta R.T. 0.01 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 63 Resp: 1421518

Ion	Ratio	Lower	Upper
63	100		
98	4.1	1.8	5.5
100	2.7	1.4	4.2



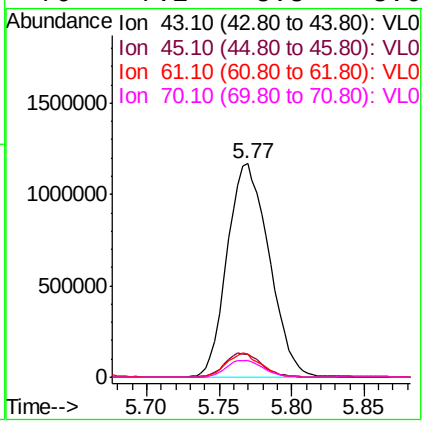


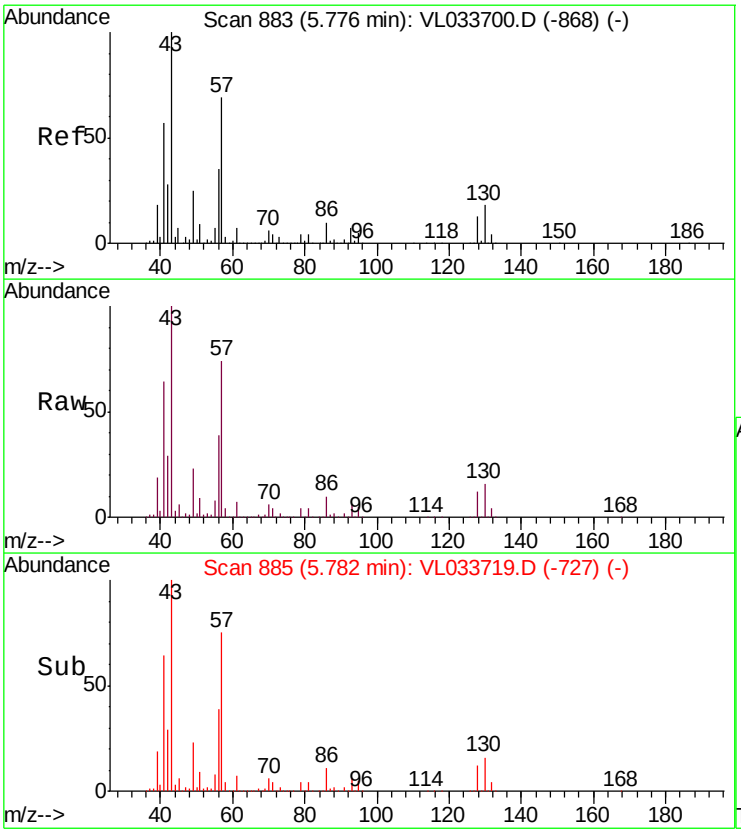
#25
Ethyl Acetate
Concen: 8.890 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.01 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 2341605

Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.9	11.9
61	9.5	7.7	11.5
70	7.2	5.8	8.6

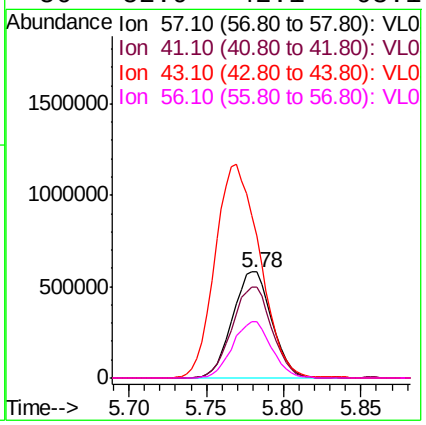


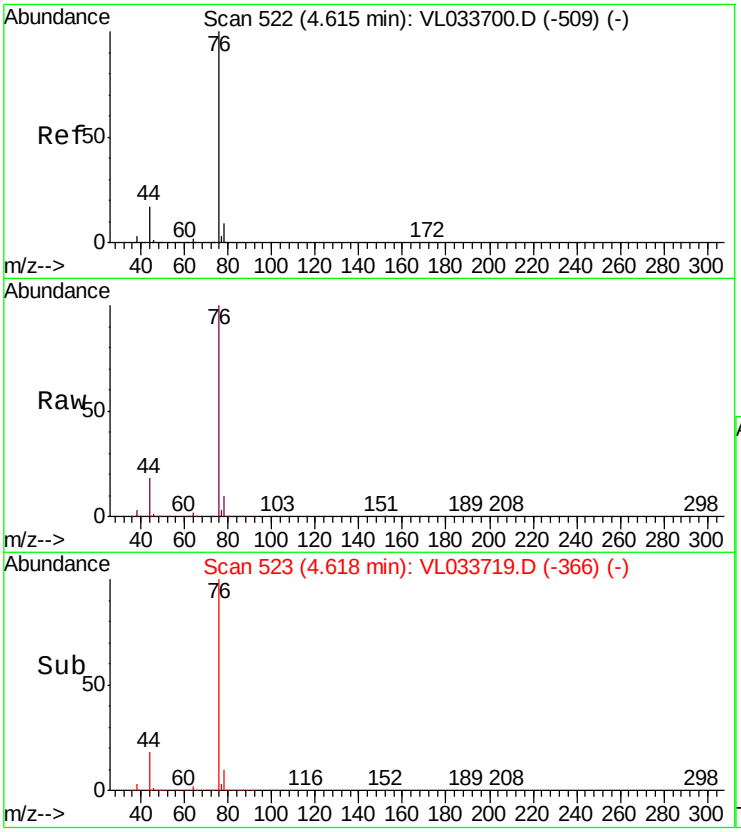


#26
Hexane
Concen: 8.997 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 57 Resp: 1018813

Ion	Ratio	Lower	Upper
57	100		
41	87.8	69.8	104.6
43	231.2	181.8	272.6
56	52.9	42.1	63.1



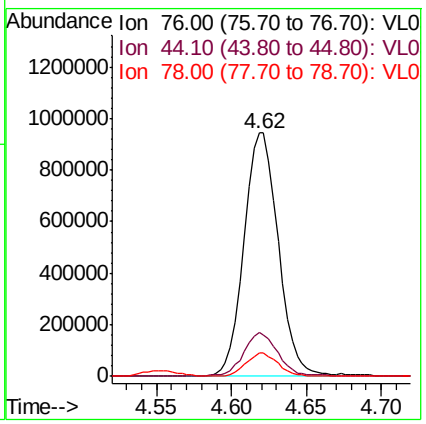


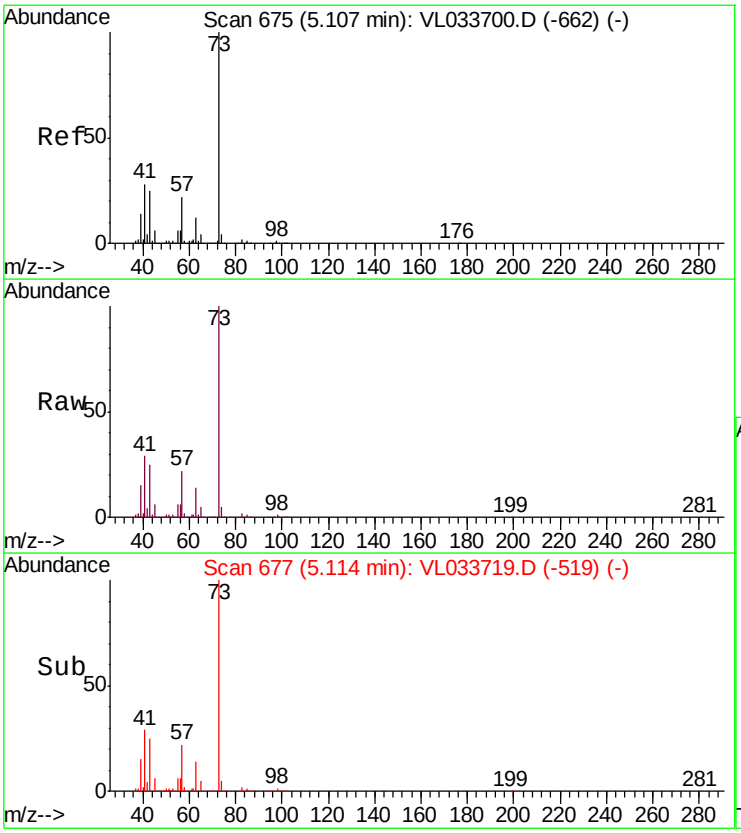
#27
Carbon Disulfide
Concen: 9.691 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 76 Resp: 1505477

Ion	Ratio	Lower	Upper
76	100		
44	17.4	13.8	20.8
78	9.0	7.4	11.0

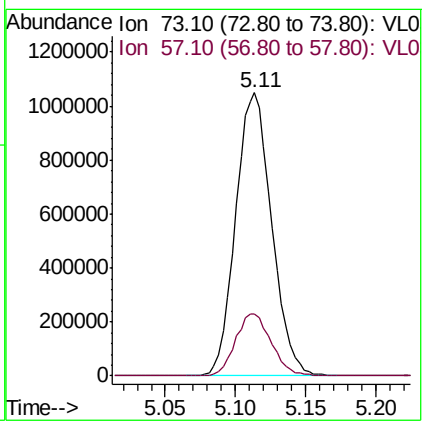


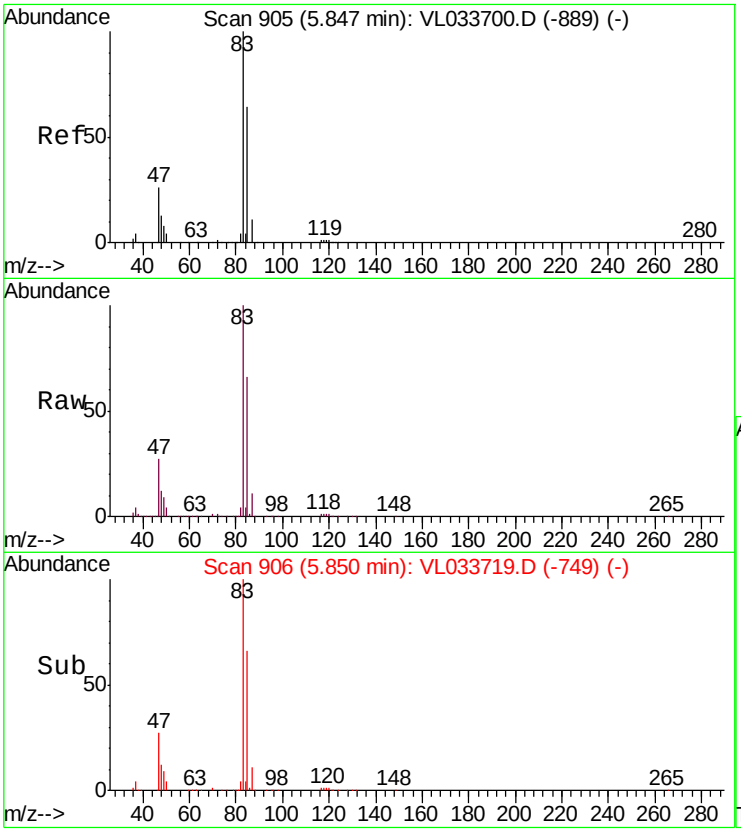


#28
Methyl tert-Butyl Ether
Concen: 10.173 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.01 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 73 Resp: 1878017

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2



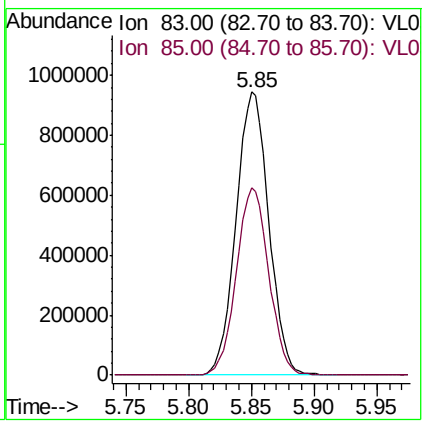


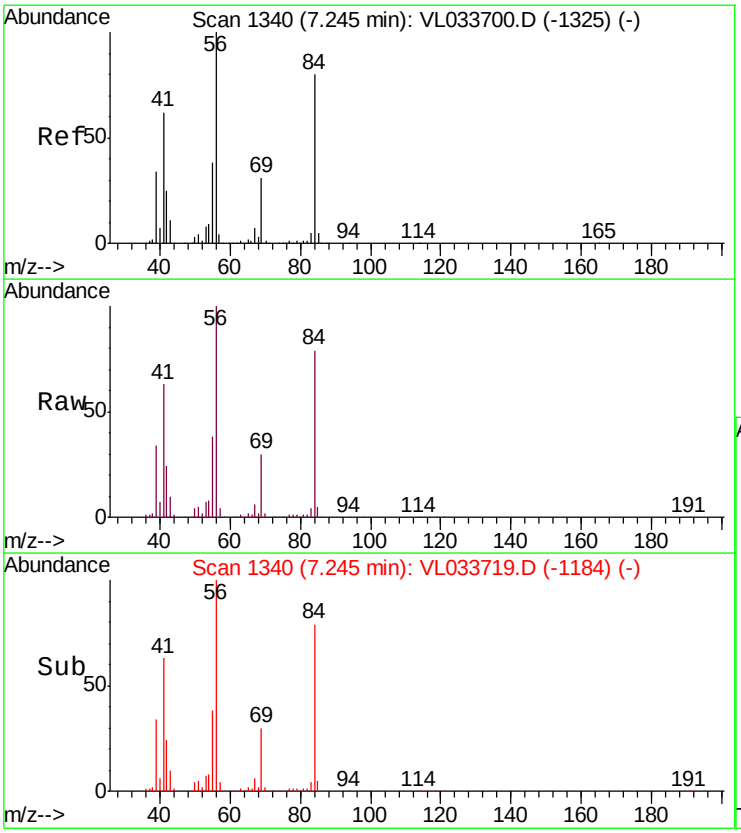
#29
Chloroform
Concen: 8.215 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1713606

Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.5	77.3

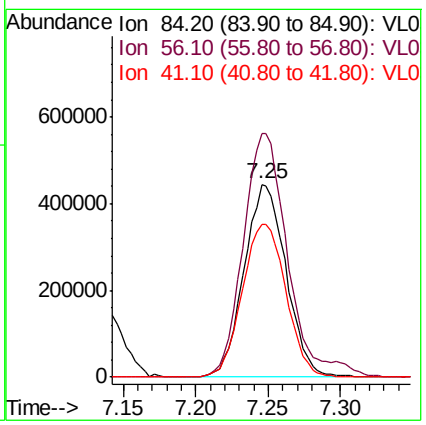


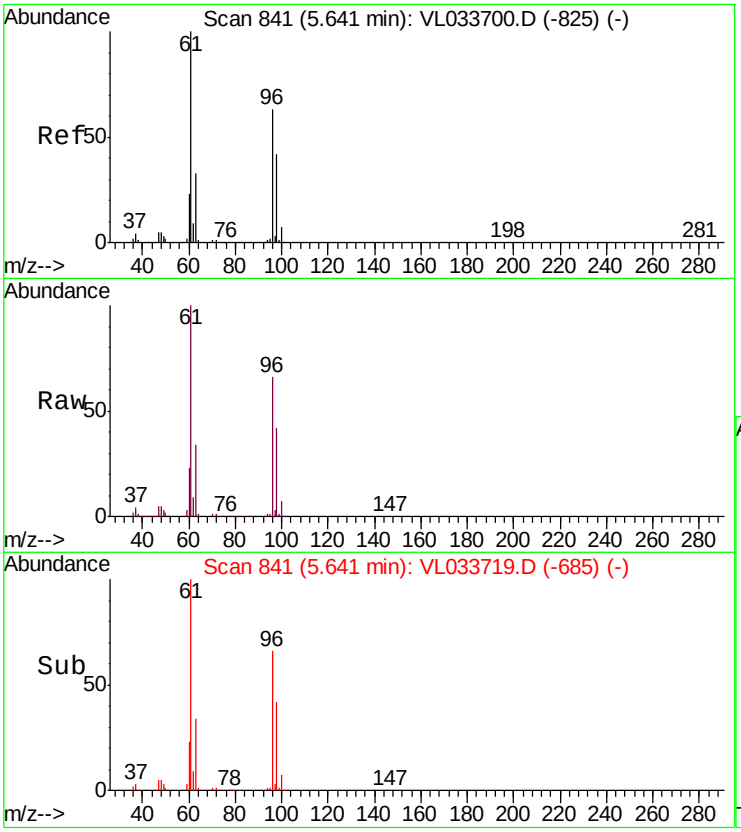


#30
Cyclohexane
Concen: 9.373 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 84 Resp: 892288

Ion	Ratio	Lower	Upper
84	100		
56	135.0	107.7	161.5
41	82.6	66.0	99.0



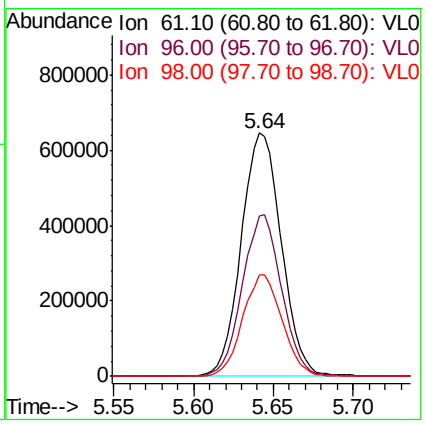


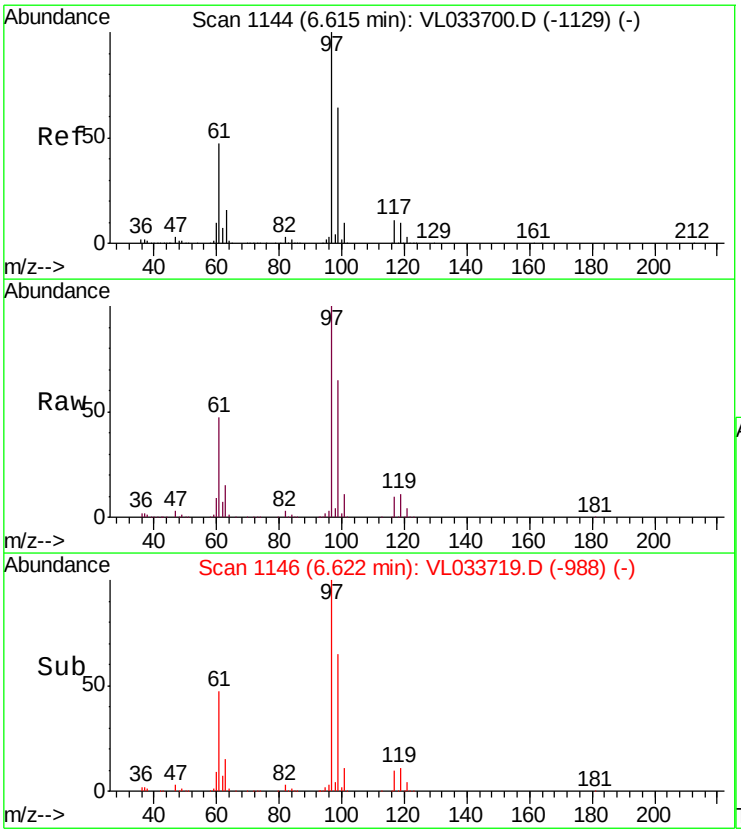
#31
cis-1,2-Dichloroethene
Concen: 9.819 ppbv
RT: 5.64 min Scan# 841
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 61 Resp: 1102511

Ion	Ratio	Lower	Upper
61	100		
96	65.8	50.8	76.2
98	41.6	33.3	49.9

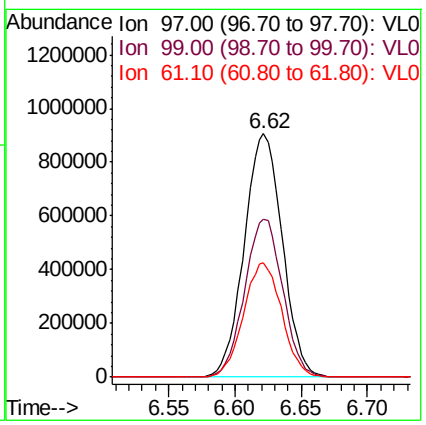


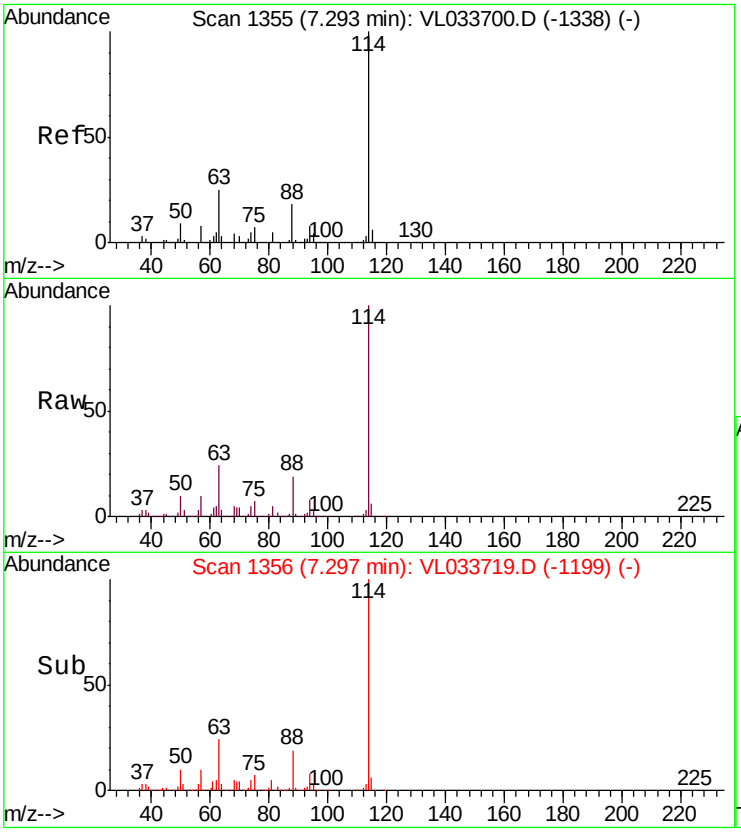


#32
1,1,1-Trichloroethane
Concen: 8.714 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 97 Resp: 1814799

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.5	77.3
61	47.4	37.8	56.8



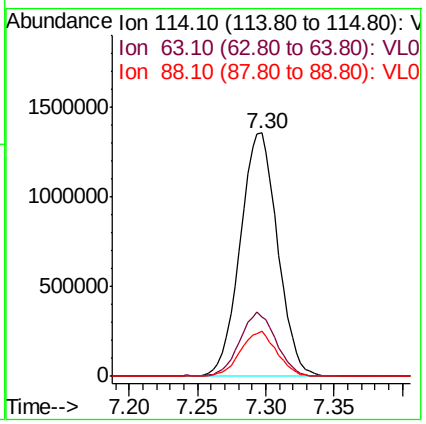


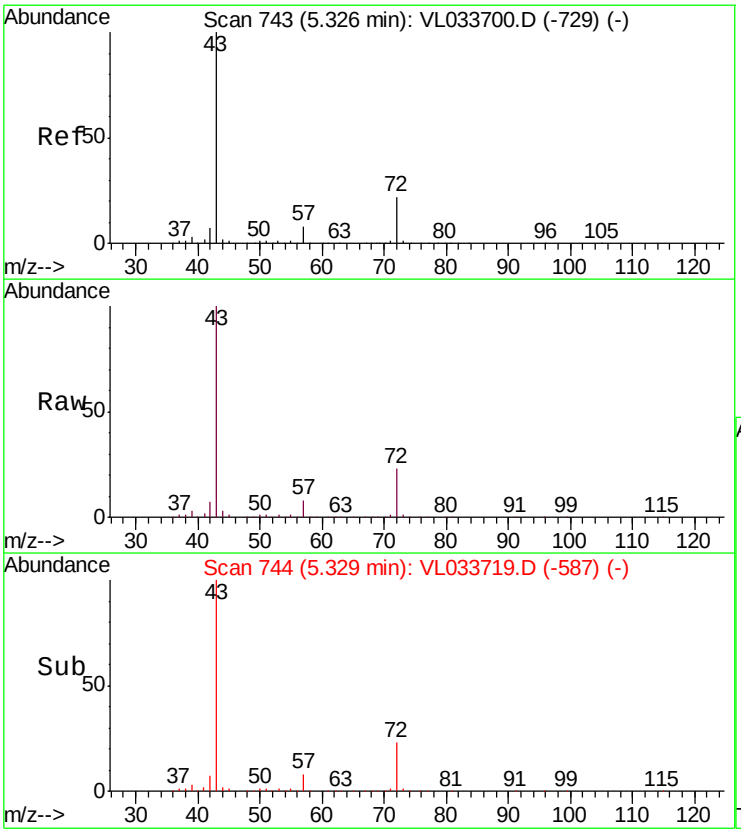
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:114 Resp: 2580622

Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.9	31.3
88	17.9	14.3	21.5

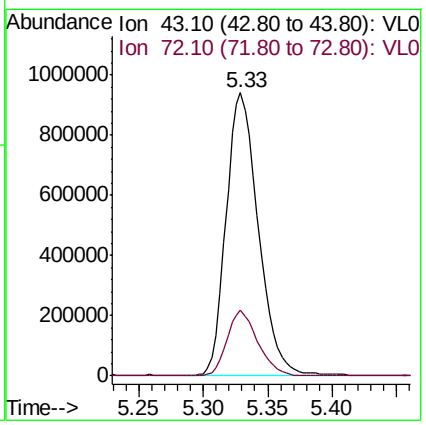


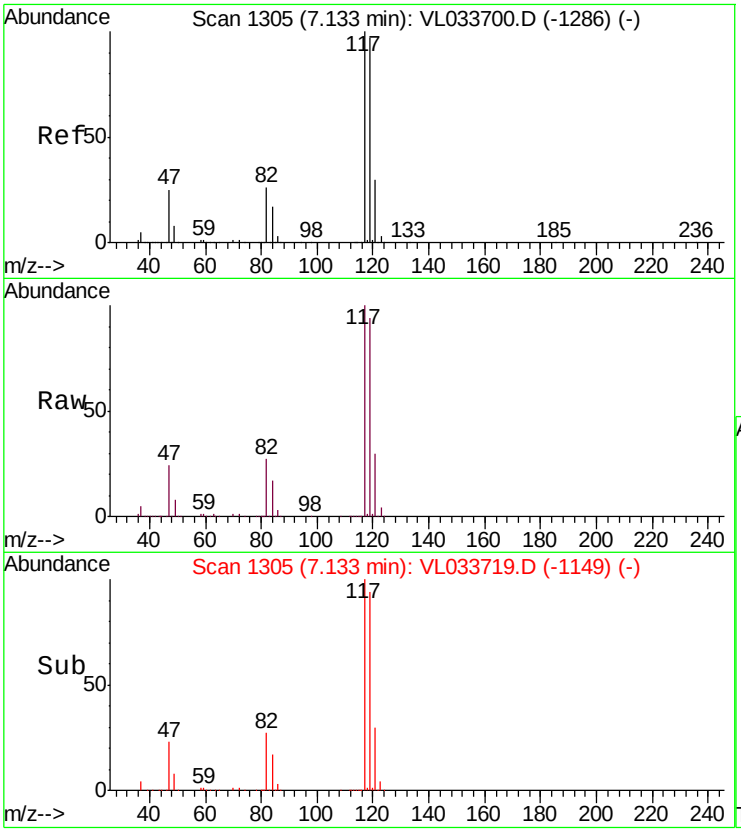


#34
2-Butanone
Concen: 10.145 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 43 Resp: 1622721

Ion	Ratio	Lower	Upper
43	100		
72	22.4	17.8	26.6



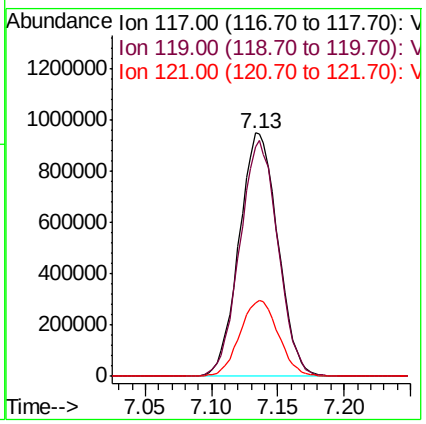


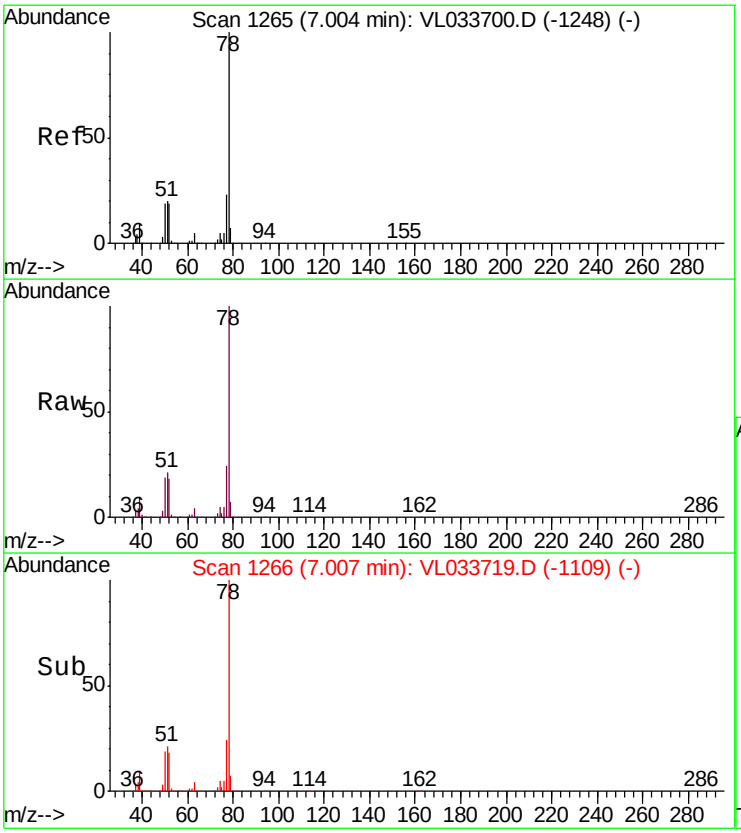
#35
Carbon Tetrachloride
Concen: 9.323 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 1927151

Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.2	115.8
121	30.0	24.1	36.1

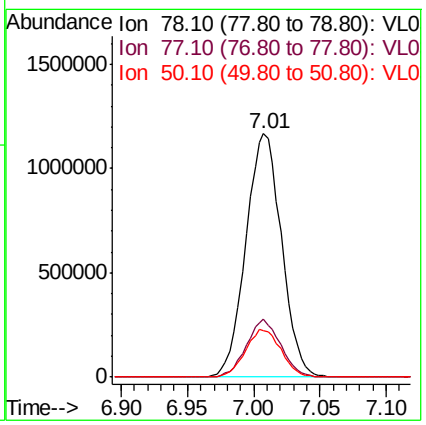


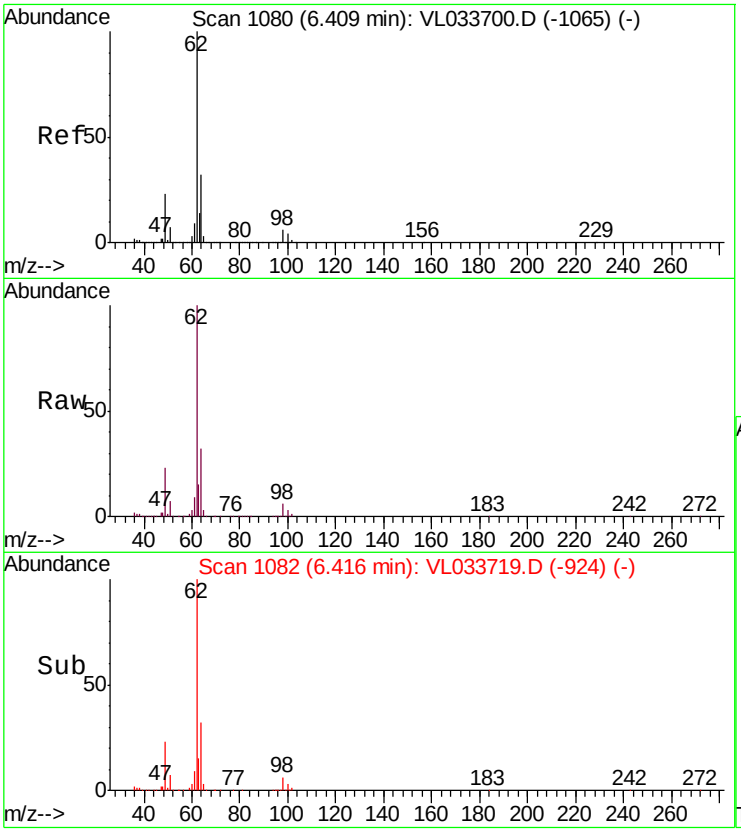


#36
Benzene
Concen: 9.331 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 78 Resp: 2190389

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.4	27.6
50	18.9	15.5	23.3



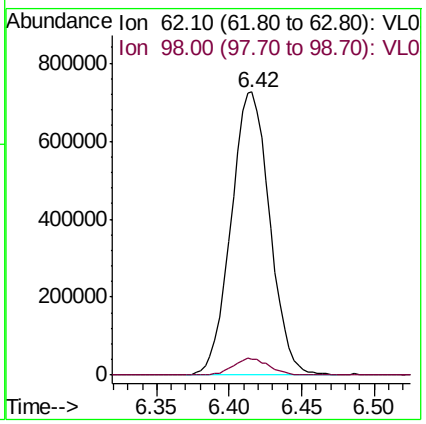


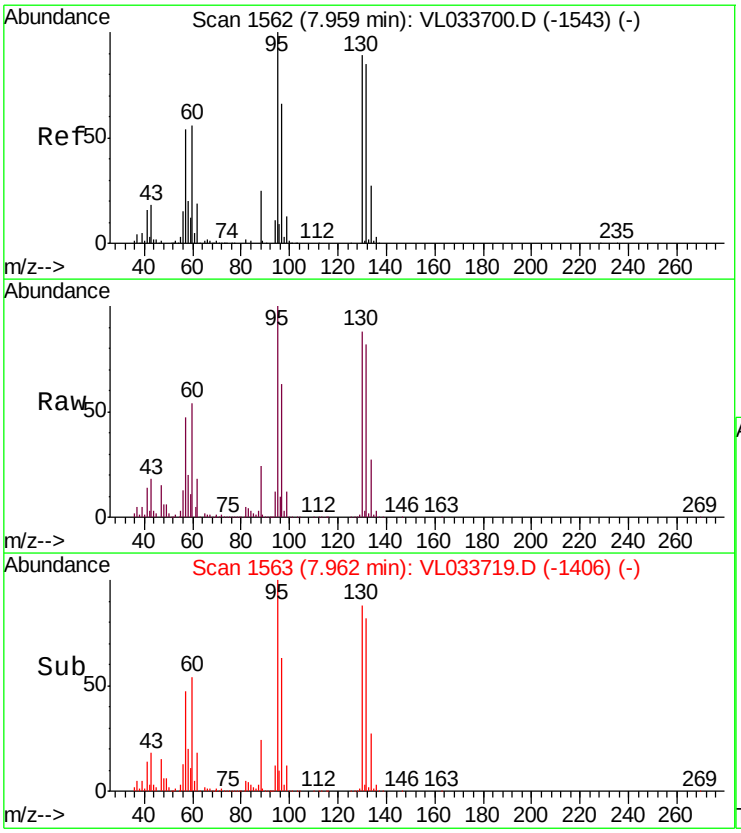
#37
1,2-Dichloroethane
Concen: 8.863 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 1342170

Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.5	6.7

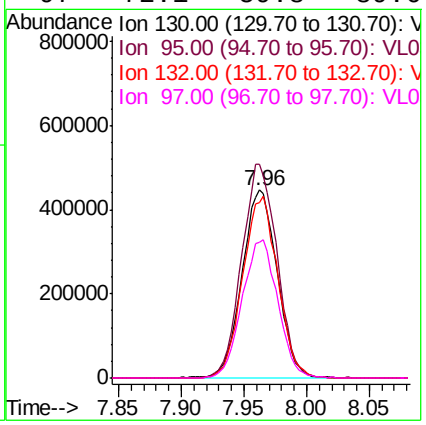


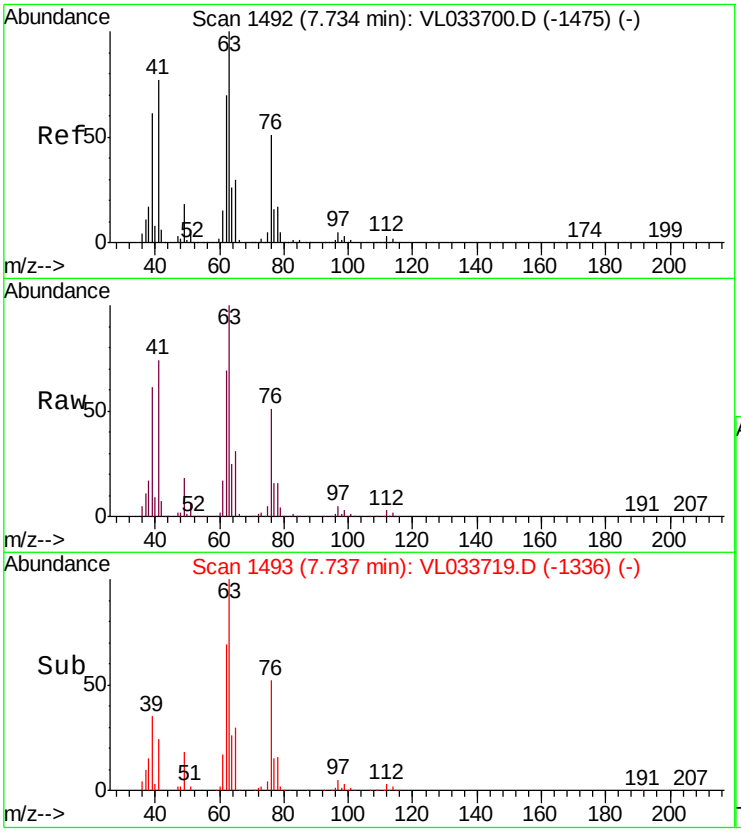


#38
Trichloroethene
Concen: 9.999 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion:130 Resp: 871014

Ion	Ratio	Lower	Upper
130	100		
95	113.9	90.2	135.4
132	93.5	76.4	114.6
97	72.1	59.8	89.6



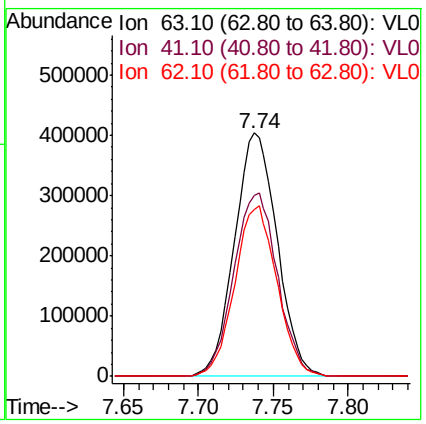


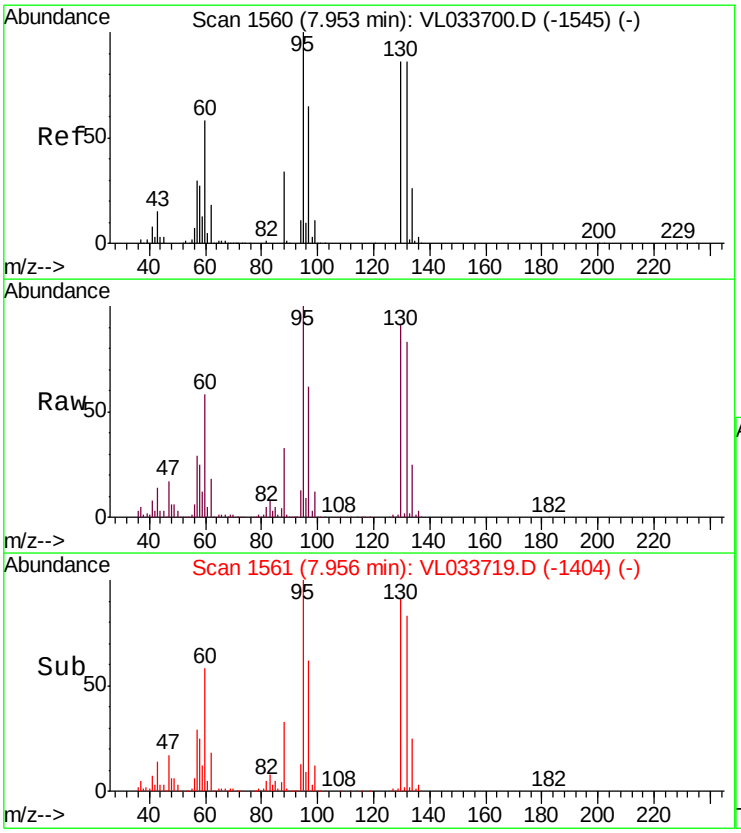
#39
1,2-Dichloropropane
Concen: 9.153 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 63 Resp: 801039

Ion	Ratio	Lower	Upper
63	100		
41	74.0	61.5	92.3
62	68.6	56.2	84.4

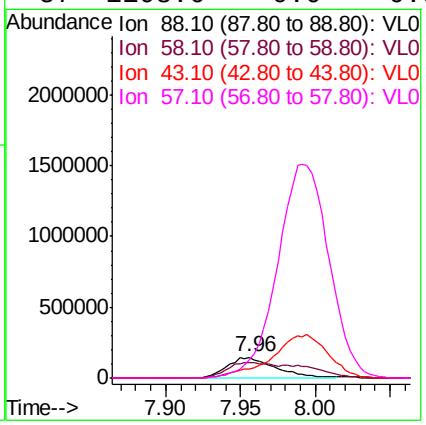


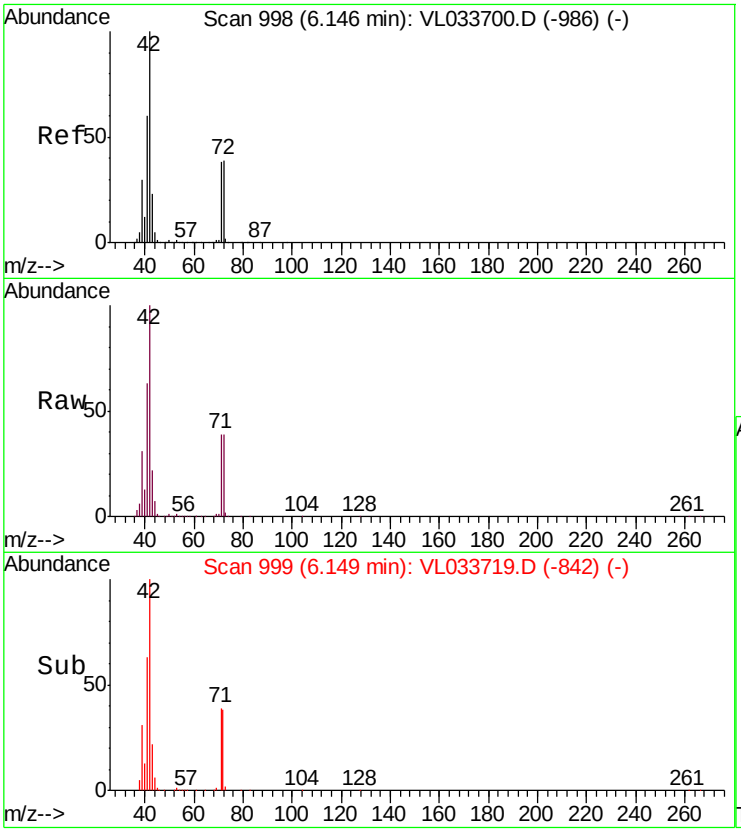


#40
1,4-Dioxane
Concen: 8.868 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 88 Resp: 324679

Ion	Ratio	Lower	Upper
88	100		
58	125.2	101.8	152.6
43	246.1	0.0	0.0#
57	1108.6	0.0	0.0#



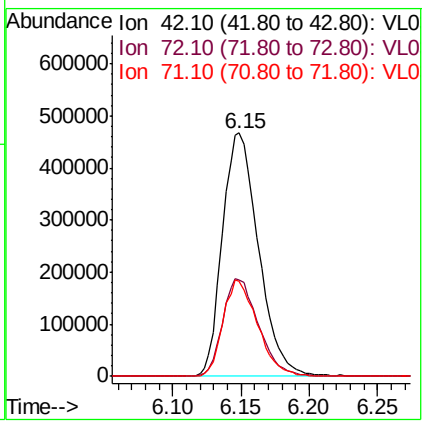


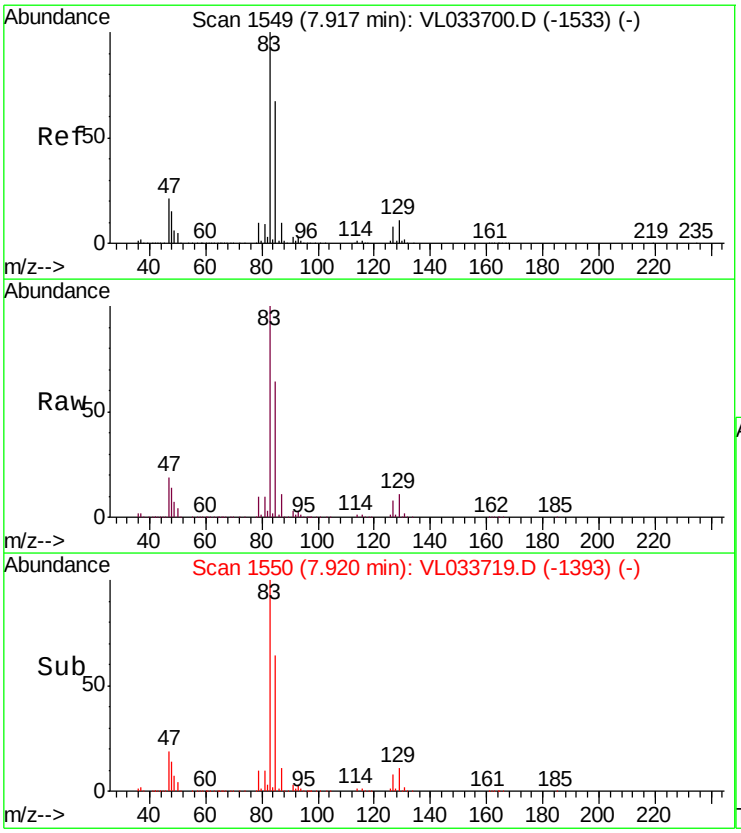
#41
Tetrahydrofuran
Concen: 9.609 ppbv
RT: 6.15 min Scan# 999
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 42 Resp: 861165

Ion	Ratio	Lower	Upper
42	100		
72	39.8	32.0	48.0
71	38.1	30.4	45.6

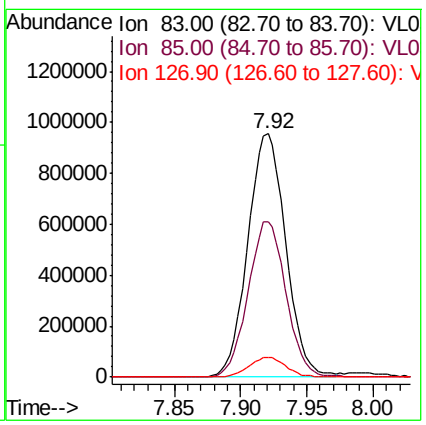


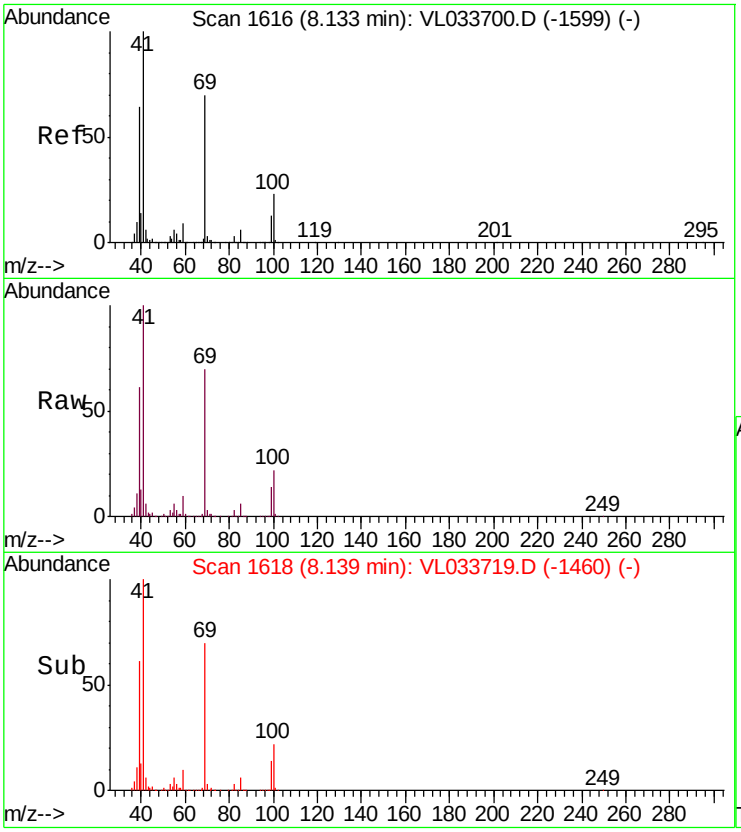


#42
Bromodichloromethane
Concen: 9.213 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 83 Resp: 1909892

Ion	Ratio	Lower	Upper
83	100		
85	63.8	53.3	79.9
127	8.1	6.5	9.7



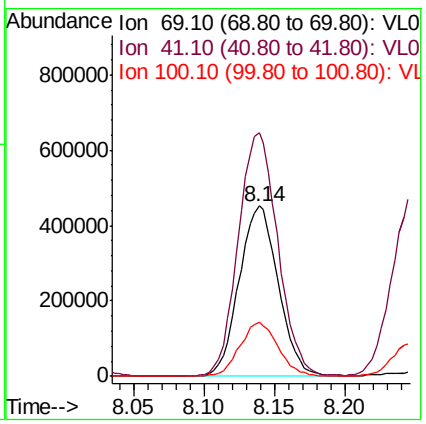


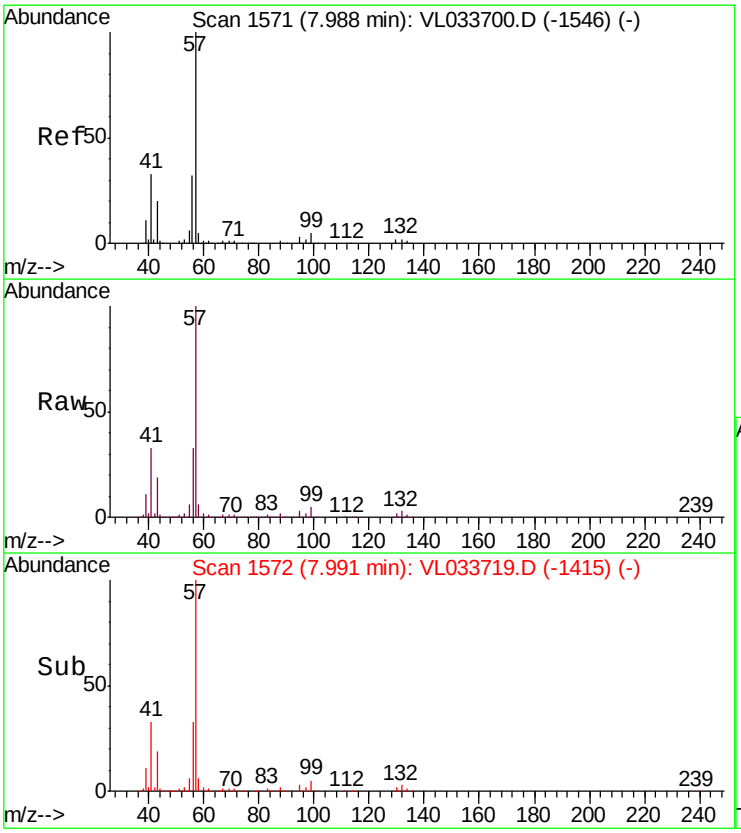
#43
Methyl Methacrylate
Concen: 10.153 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 69 Resp: 877139

Ion	Ratio	Lower	Upper
69	100		
41	145.2	116.3	174.5
100	31.1	25.3	37.9

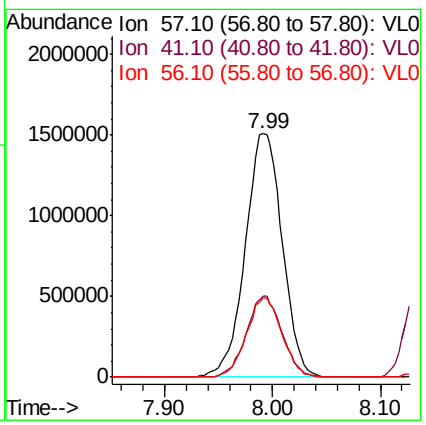


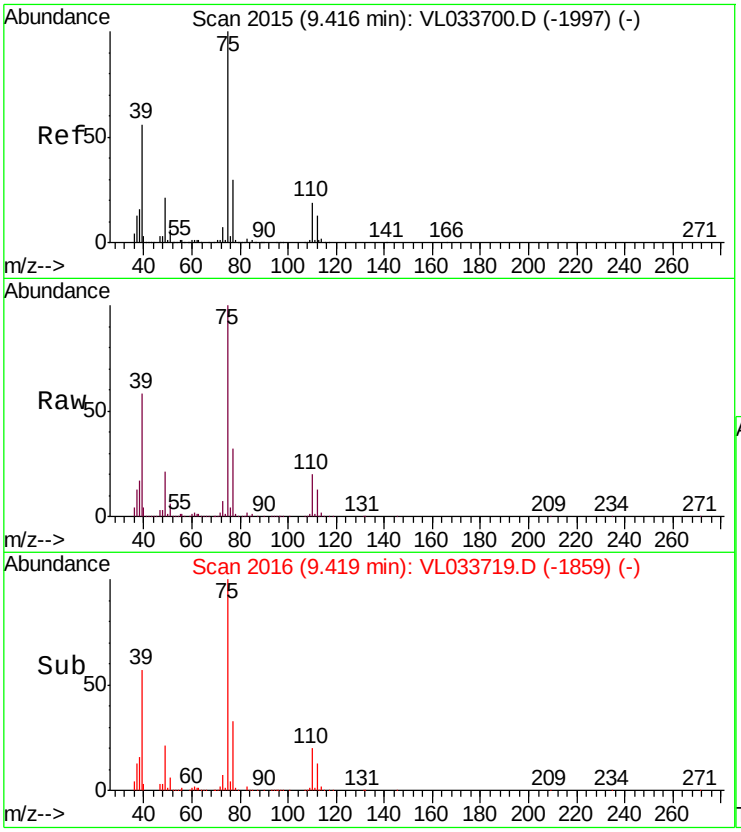


#44
2,2,4-Trimethylpentane
Concen: 9.044 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 57 Resp: 3587962

Ion	Ratio	Lower	Upper
57	100		
41	32.1	25.4	38.0
56	31.0	24.7	37.1



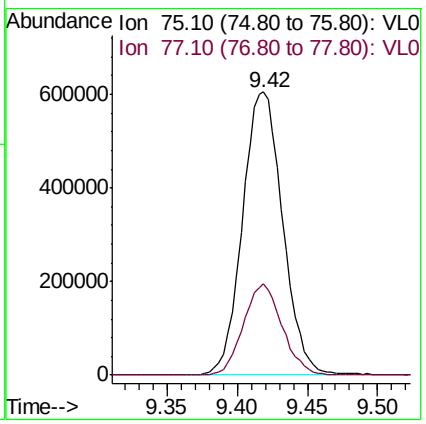


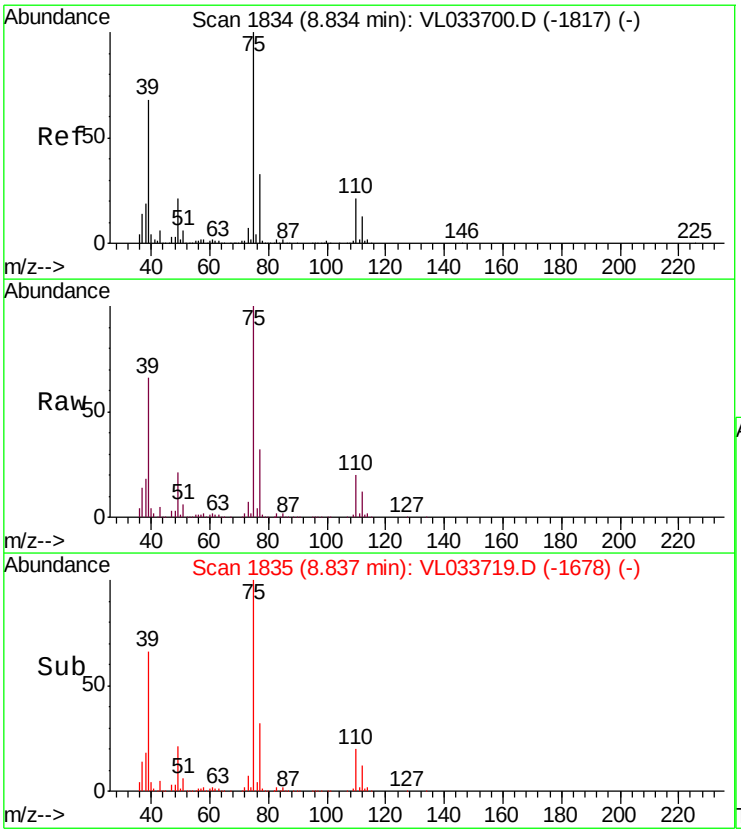
#45
t-1,3-Dichloropropene
Concen: 11.002 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 75 Resp: 1204992

Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.4	36.6

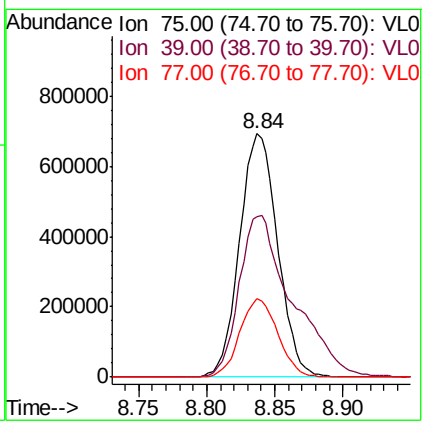


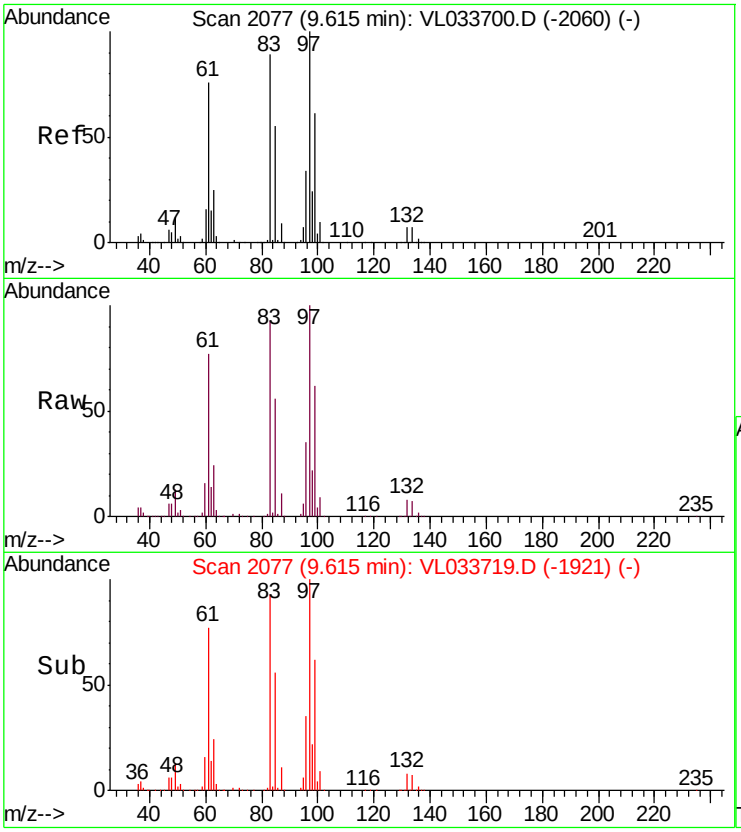


#46
cis-1,3-Dichloropropene
Concen: 10.457 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 75 Resp: 1341078

Ion	Ratio	Lower	Upper
75	100		
39	66.0	54.4	81.6
77	32.3	26.6	39.8



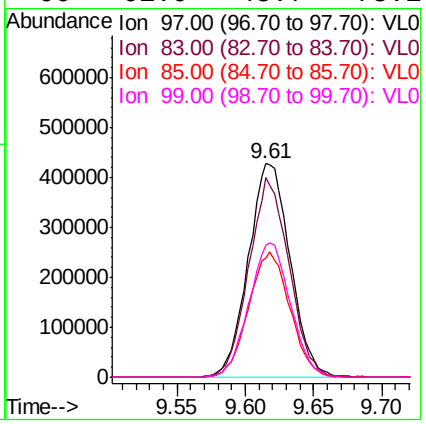


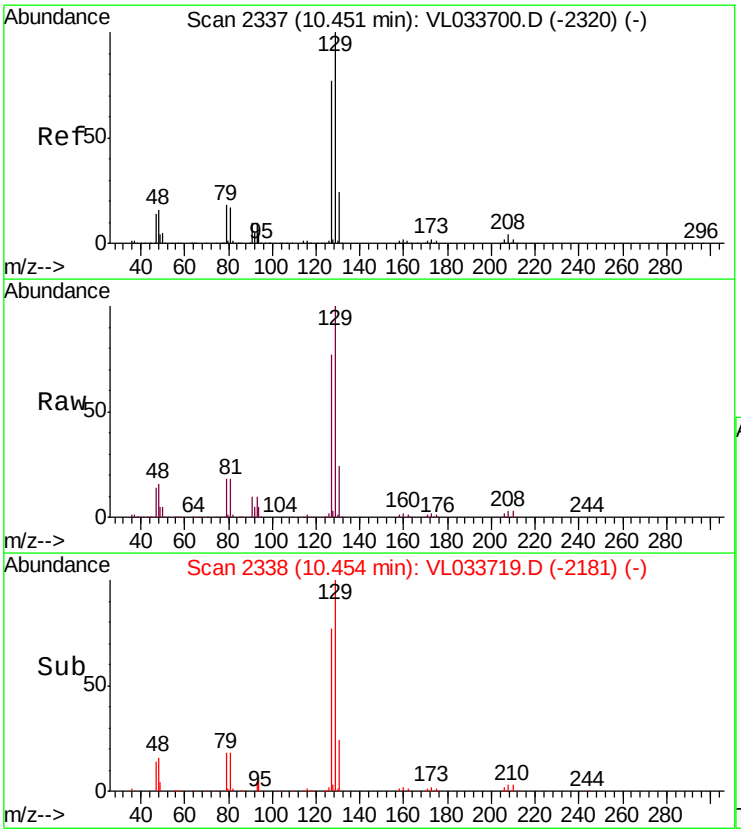
#47
1,1,2-Trichloroethane
Concen: 9.163 ppbv
RT: 9.61 min Scan# 2077
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 97 Resp: 911056

Ion	Ratio	Lower	Upper
97	100		
83	93.2	70.8	106.2
85	56.0	43.7	65.5
99	61.9	48.7	73.1

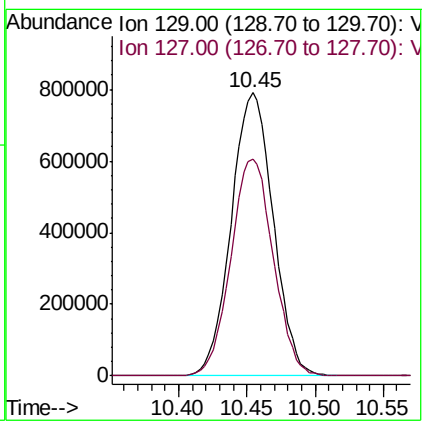


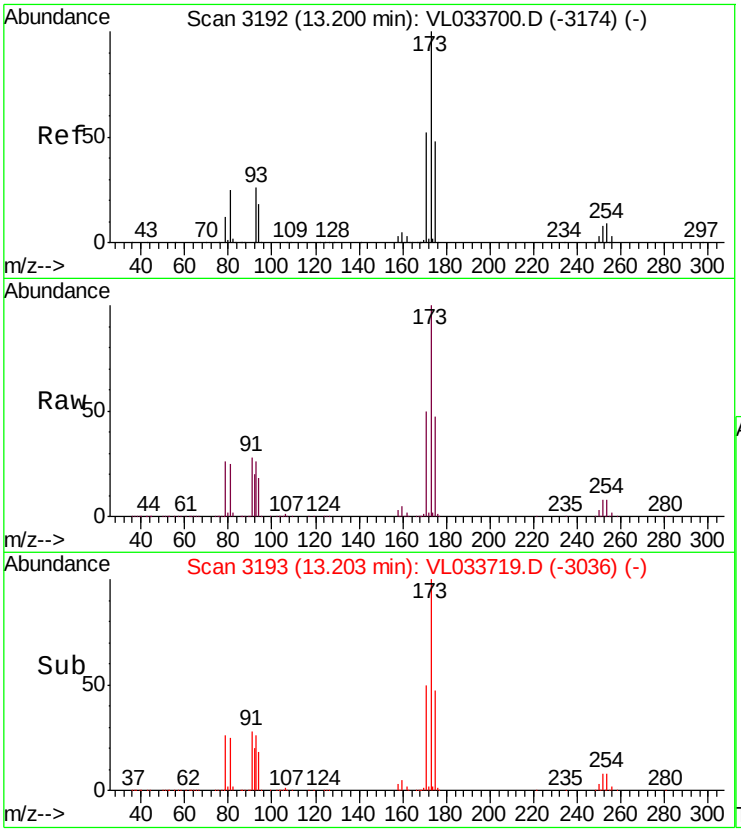


#48
Dibromochloromethane
Concen: 9.825 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion:129 Resp: 1692585

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.6	116.0



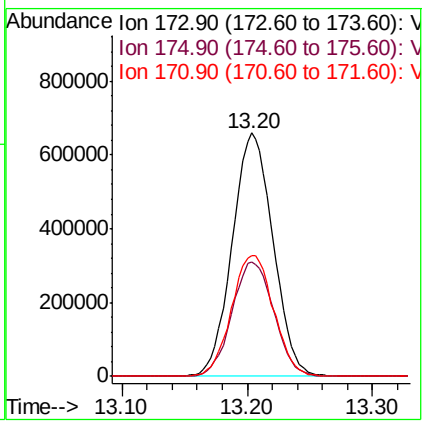


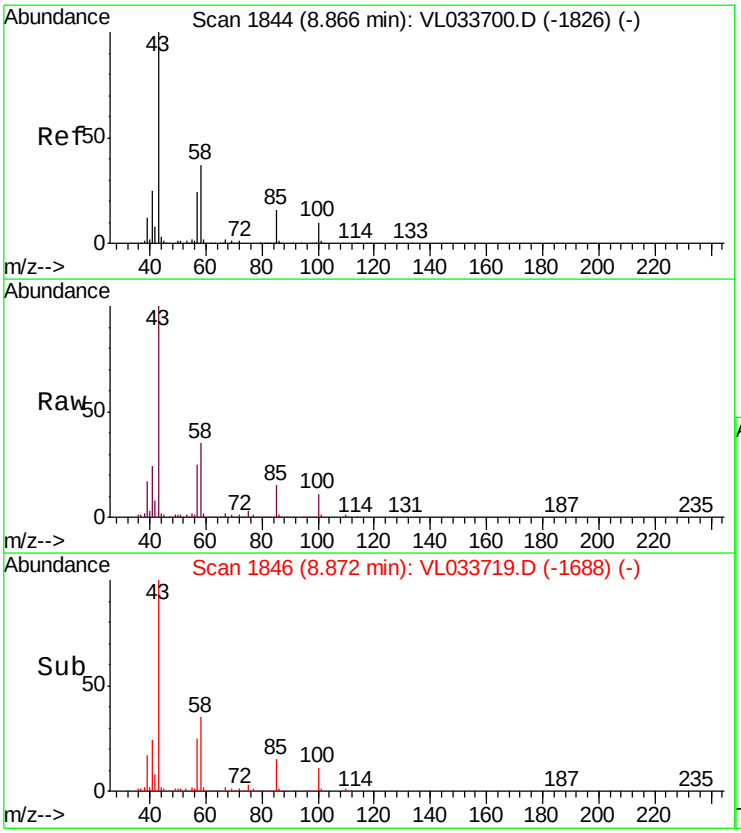
#49
Bromoform
Concen: 10.278 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:173 Resp: 1489899

Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.6	58.0
171	51.3	41.5	62.3

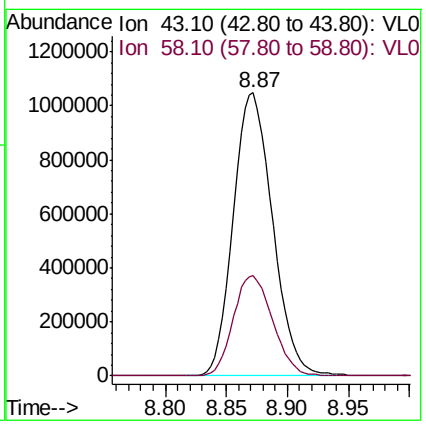


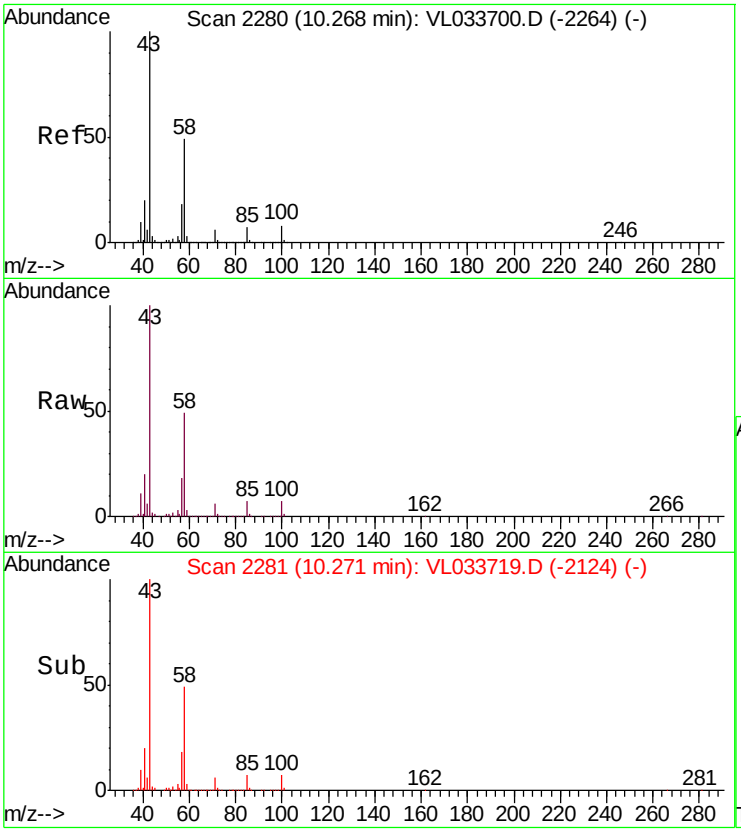


#50
4-Methyl-2-Pentanone
Concen: 9.482 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. 0.01 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 43 Resp: 2332857

Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.6	43.0



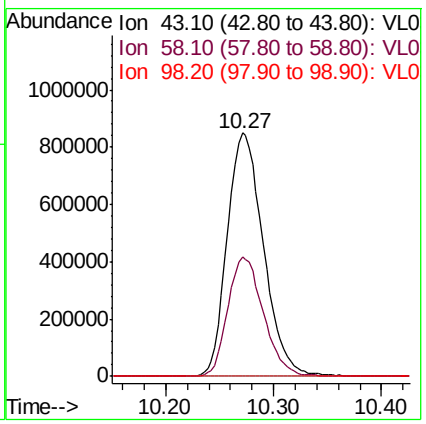


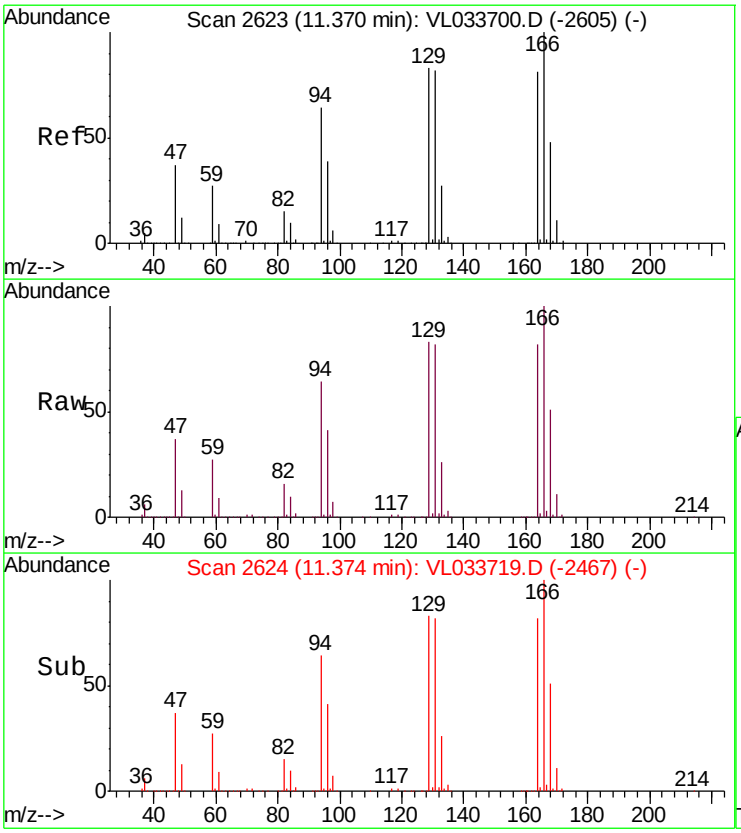
#51
2-Hexanone
Concen: 10.315 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1980689

Ion	Ratio	Lower	Upper
43	100		
58	48.2	38.7	58.1
98	0.2	0.2	0.4#

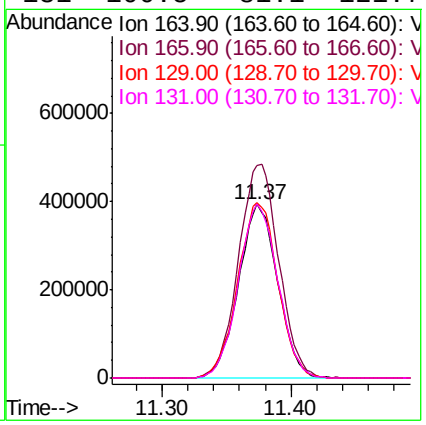


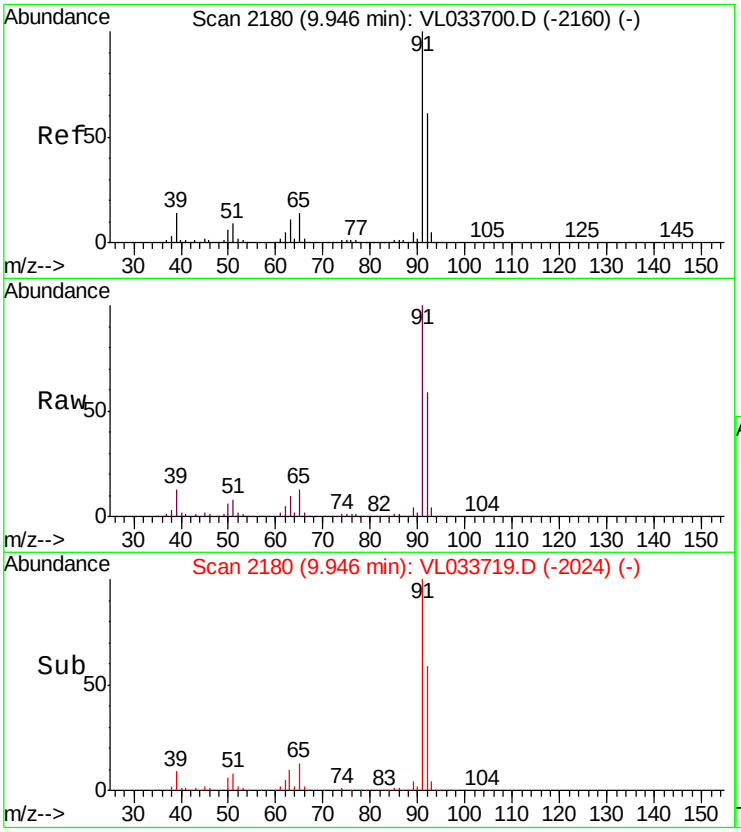


#52
Tetrachloroethene
Concen: 10.078 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion:164 Resp: 831663

Ion	Ratio	Lower	Upper
164	100		
166	122.2	98.9	148.3
129	101.1	81.8	122.6
131	100.5	81.1	121.7



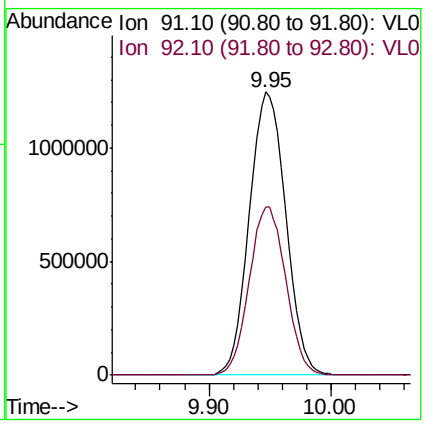


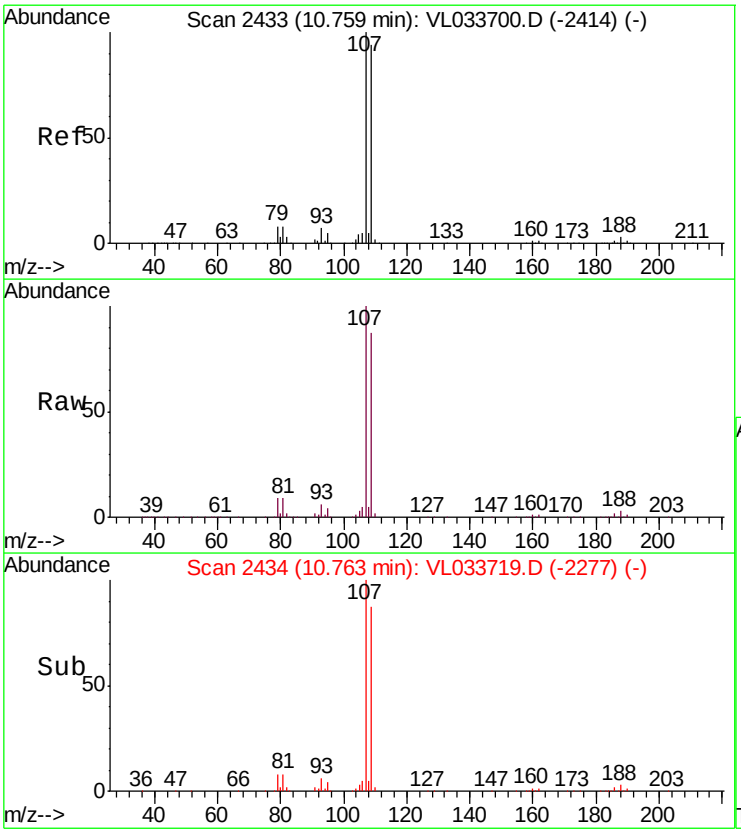
#53
Toluene
Concen: 10.173 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2575701

Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.6	71.4

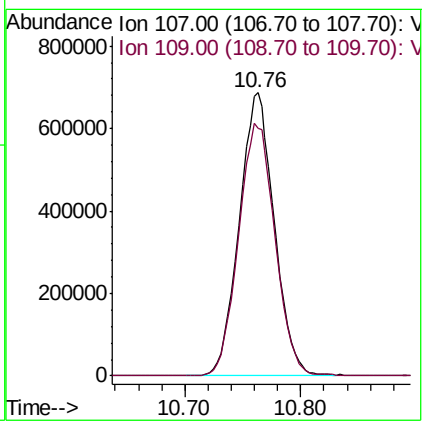


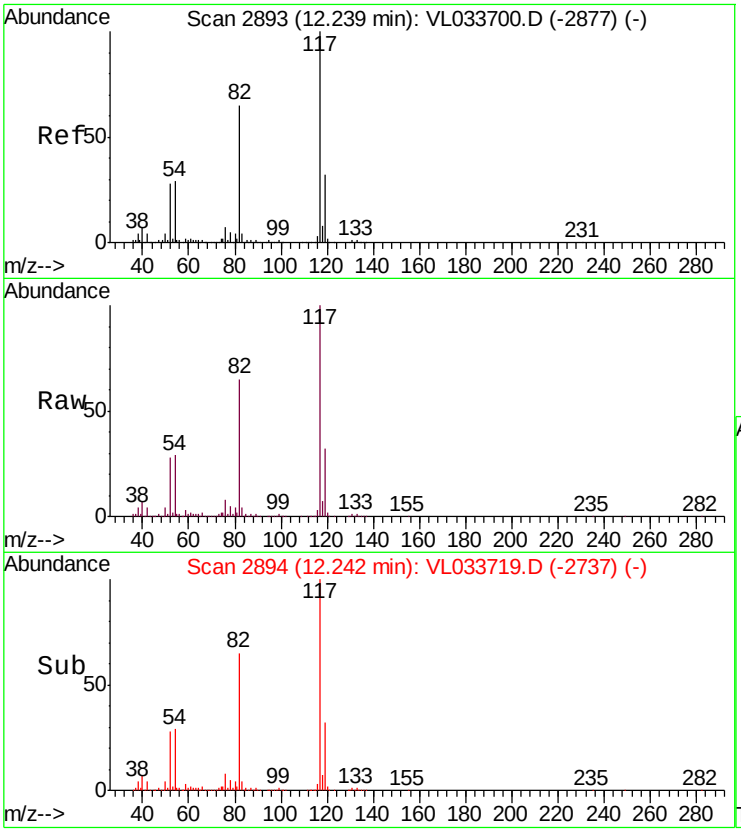


#54
1,2-Dibromoethane
Concen: 9.488 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion:107 Resp: 1439686

Ion	Ratio	Lower	Upper
107	100		
109	87.4	75.2	112.8



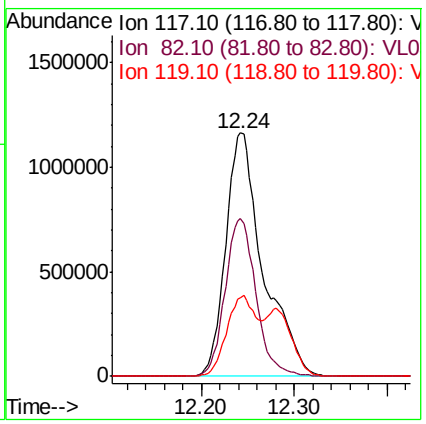


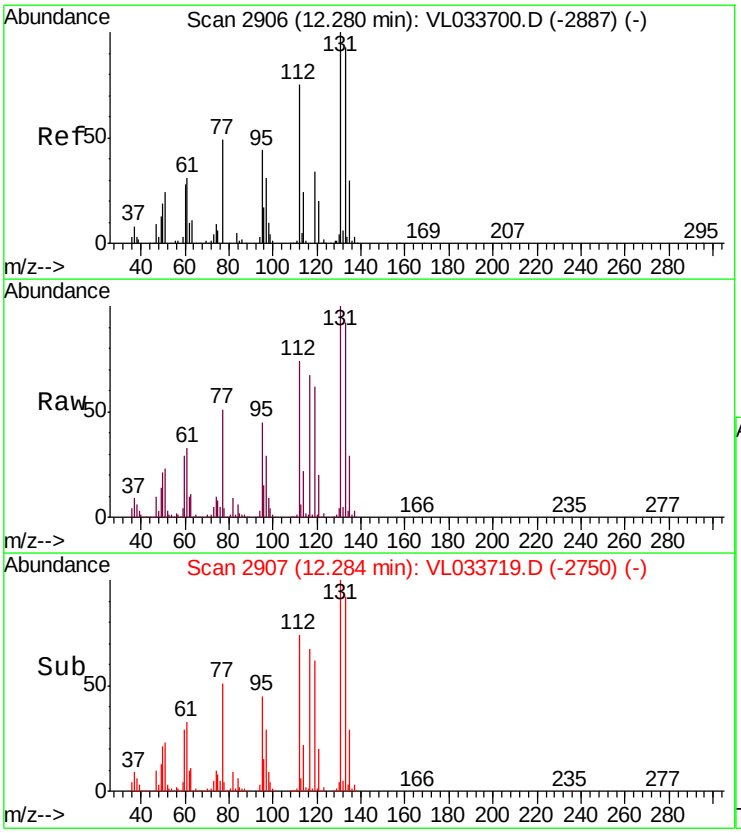
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 3271468

Ion	Ratio	Lower	Upper
117	100		
82	53.4	49.4	74.0
119	26.6	24.9	37.3

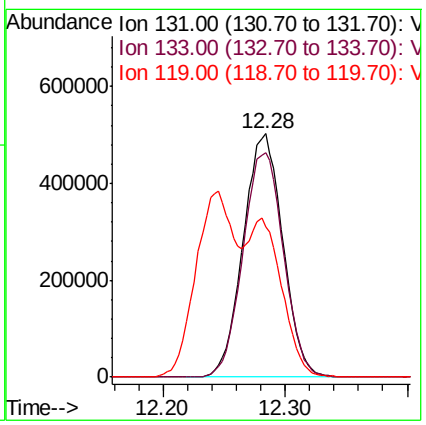


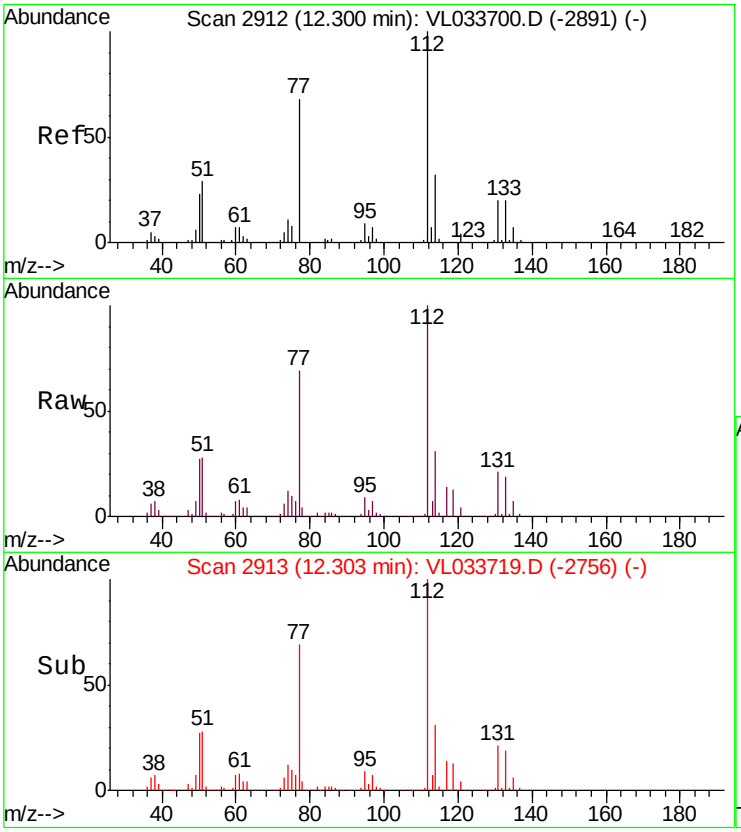


#56
1,1,1,2-Tetrachloroethane
Concen: 7.430 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion:131 Resp: 1124807

Ion	Ratio	Lower	Upper
131	100		
133	94.7	76.6	114.8
119	57.2	49.0	73.4



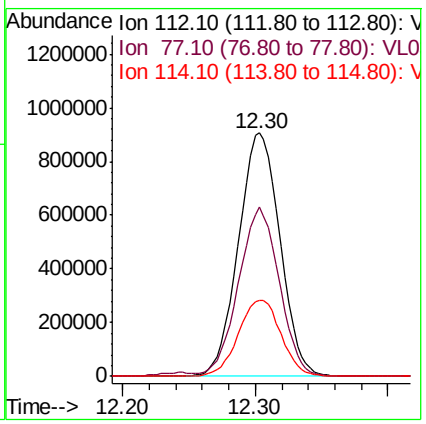


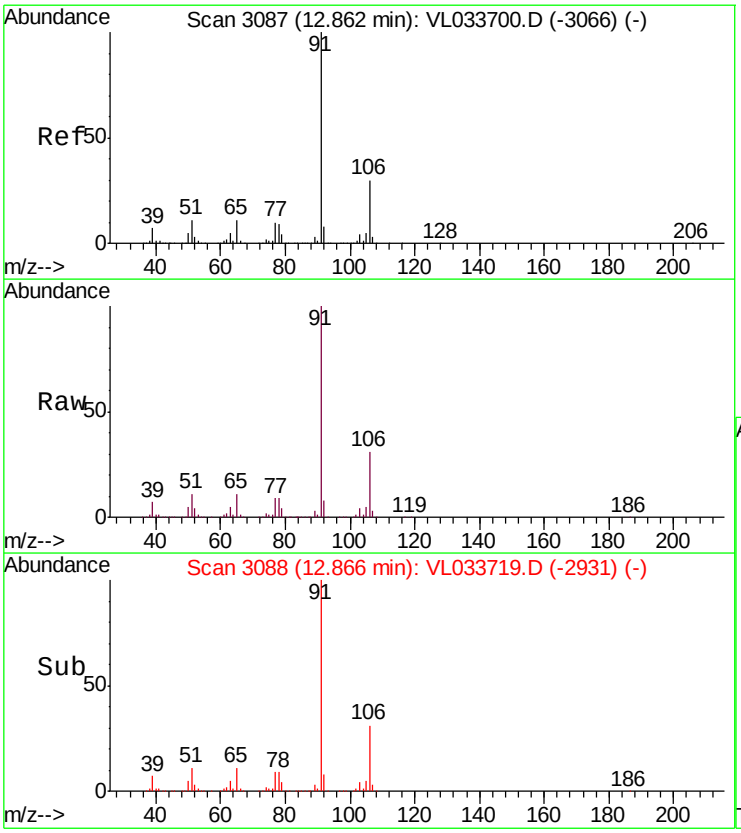
#57
Chlorobenzene
Concen: 7.329 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:112 Resp: 1973589

Ion	Ratio	Lower	Upper
112	100		
77	69.2	55.4	83.0
114	31.1	29.3	35.8

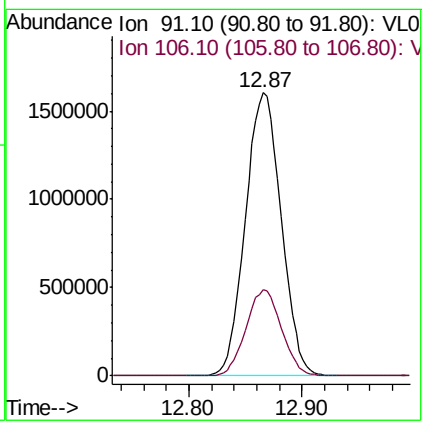


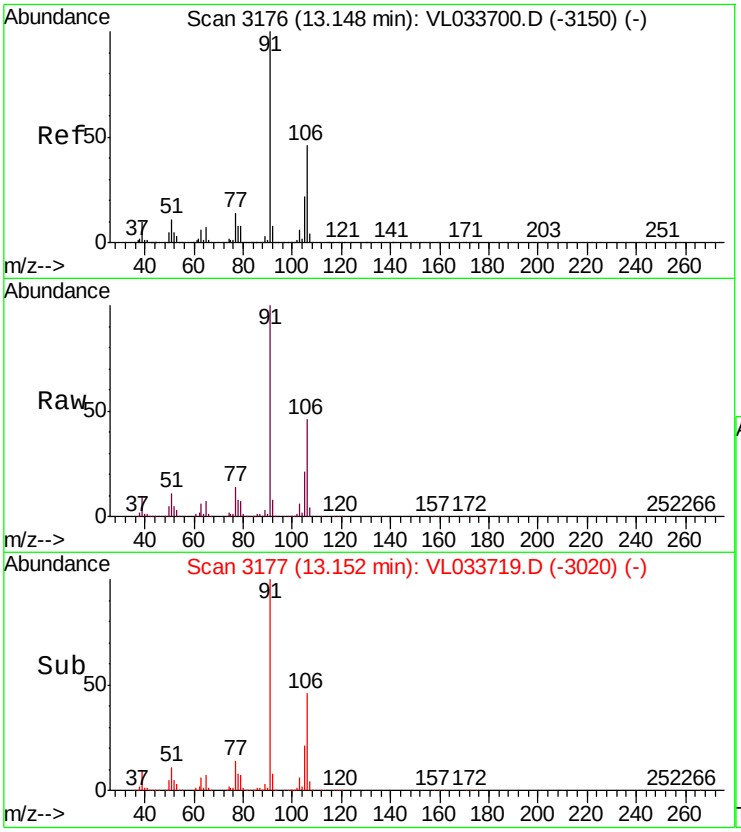


#58
Ethyl Benzene
Concen: 8.151 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 91 Resp: 3531380

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.9	35.9



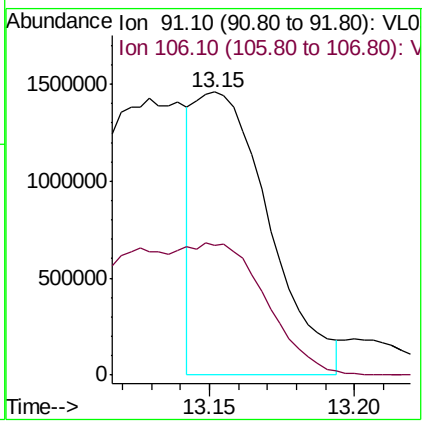


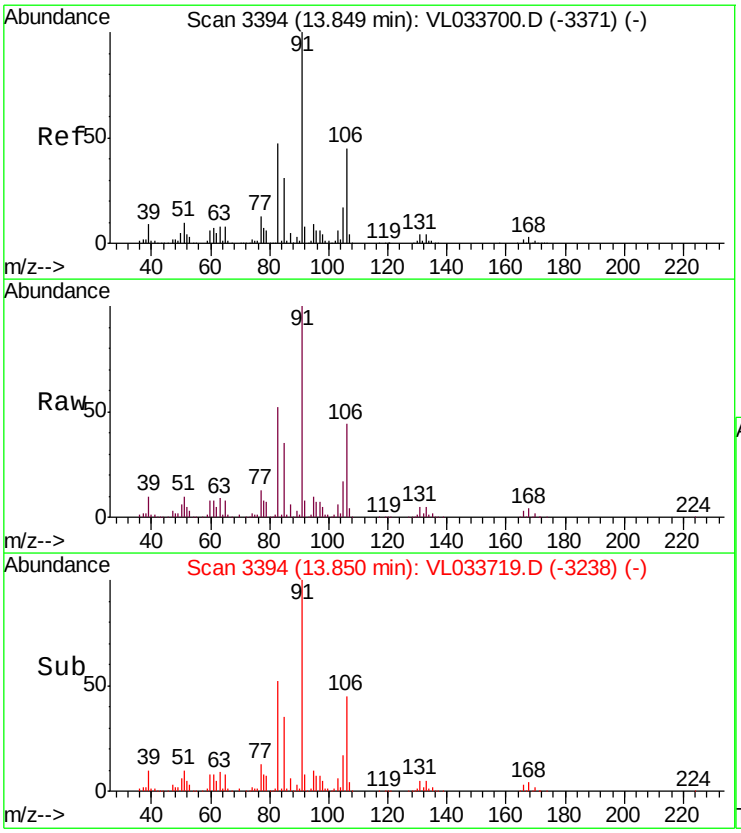
#59
m/p-Xylene
Concen: 6.841 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2590681

Ion	Ratio	Lower	Upper
91	100		
106	102.8	35.8	53.6#

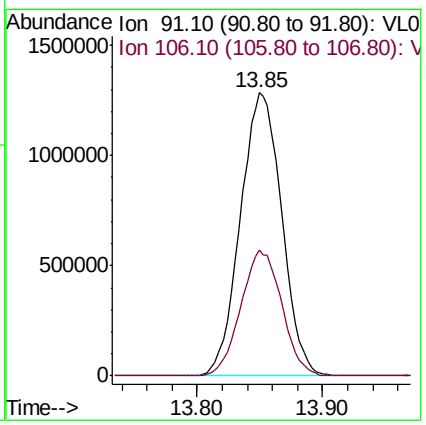


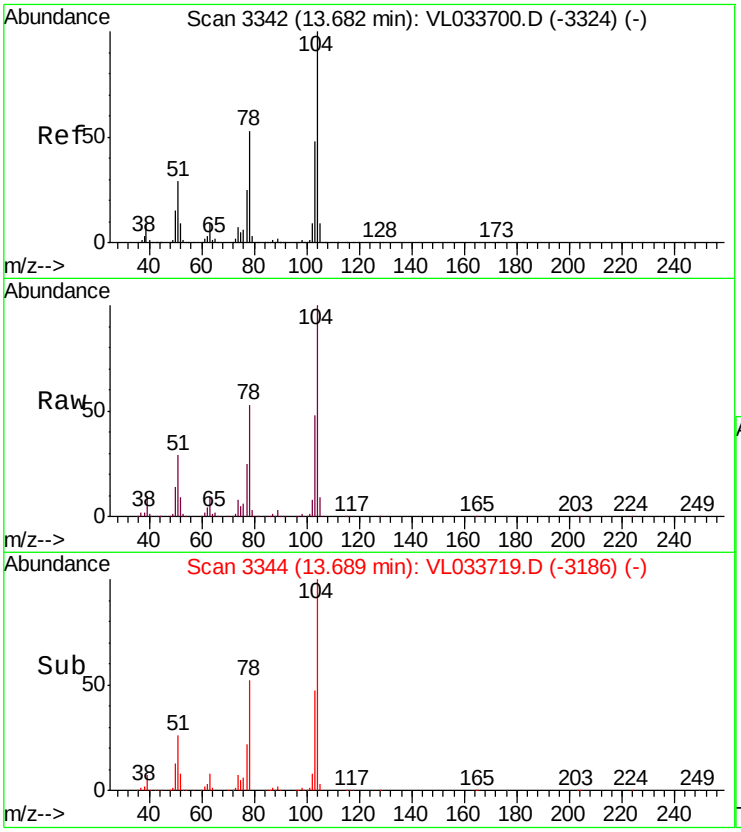


#60
o-Xylene
Concen: 7.693 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 91 Resp: 2936943

Ion	Ratio	Lower	Upper
91	100		
106	43.9	21.6	64.8



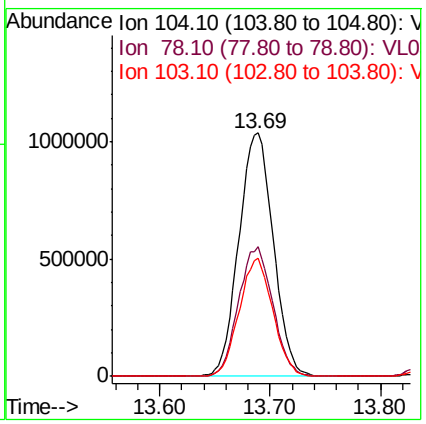


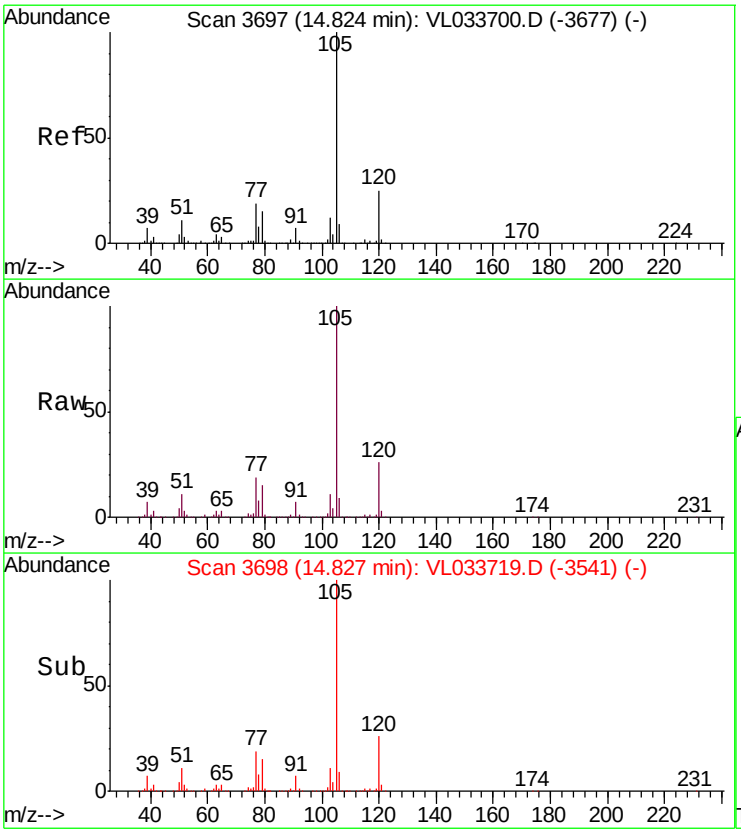
#61
Styrene
Concen: 8.751 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. 0.01 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:104 Resp: 2249268

Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.6	64.0
103	47.2	37.8	56.6

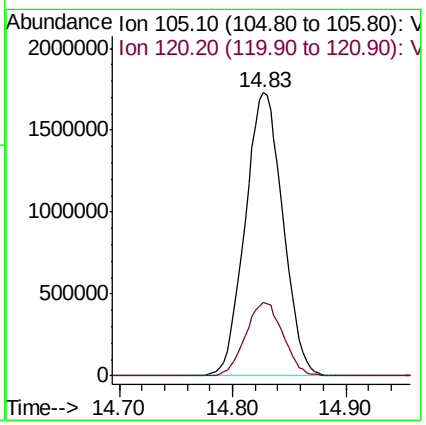


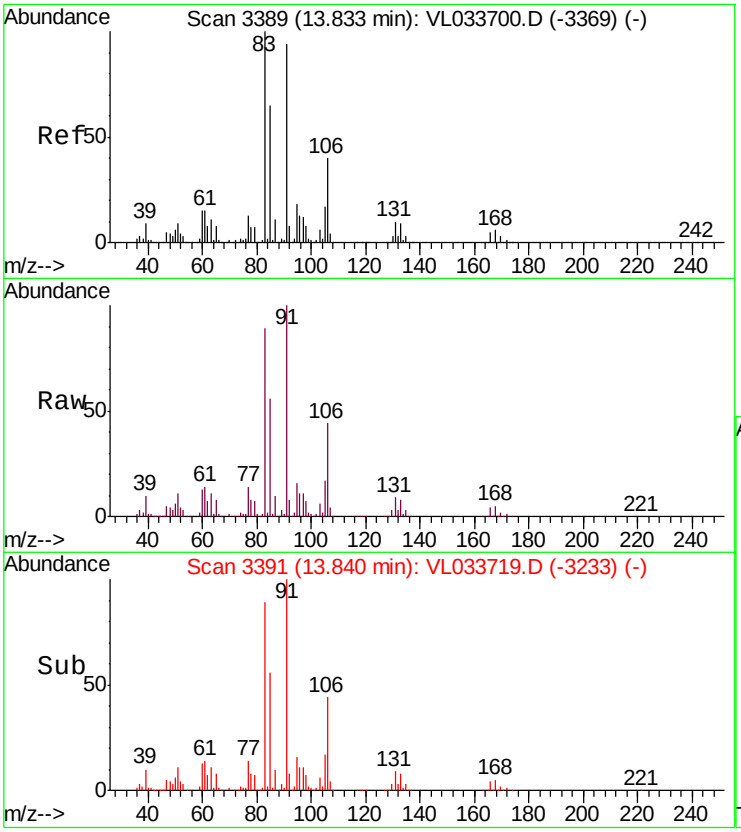


#62
Isopropylbenzene
Concen: 7.799 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion:105 Resp: 4009695

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.1	30.1



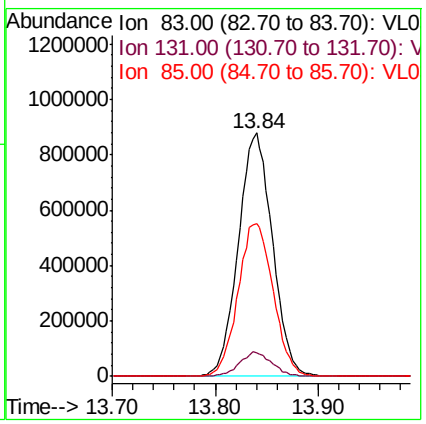


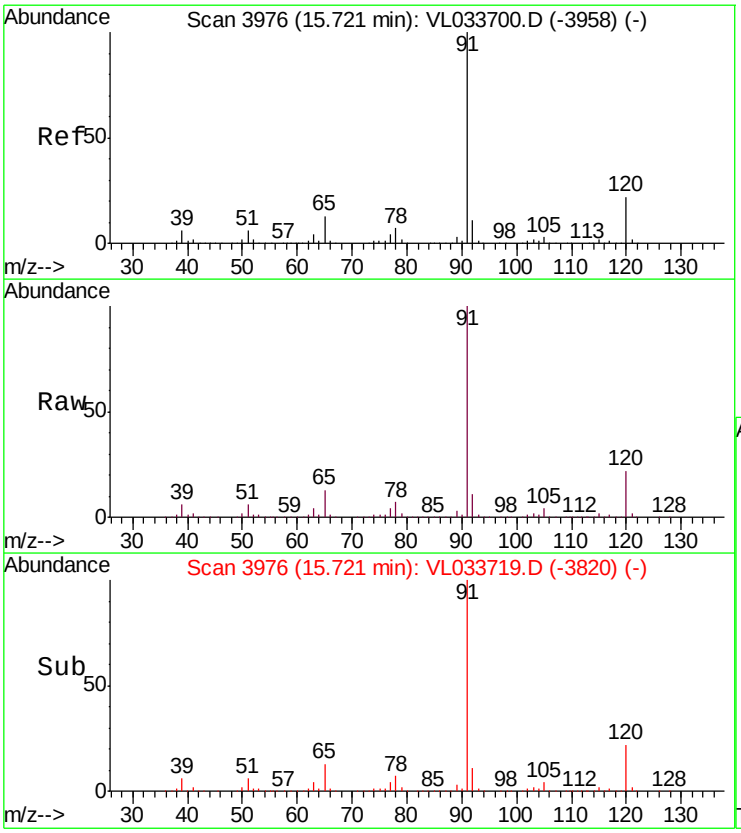
#63
1,1,2,2-Tetrachloroethane
Concen: 7.276 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. 0.01 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 2019991

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.3
85	64.7	32.3	96.9

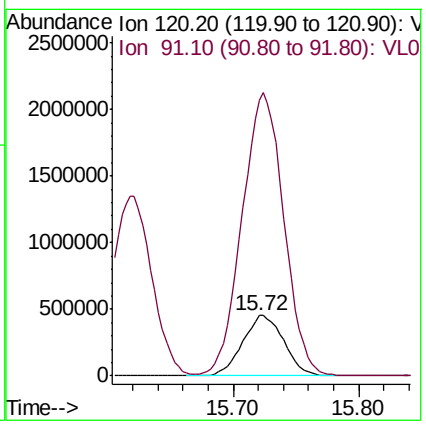


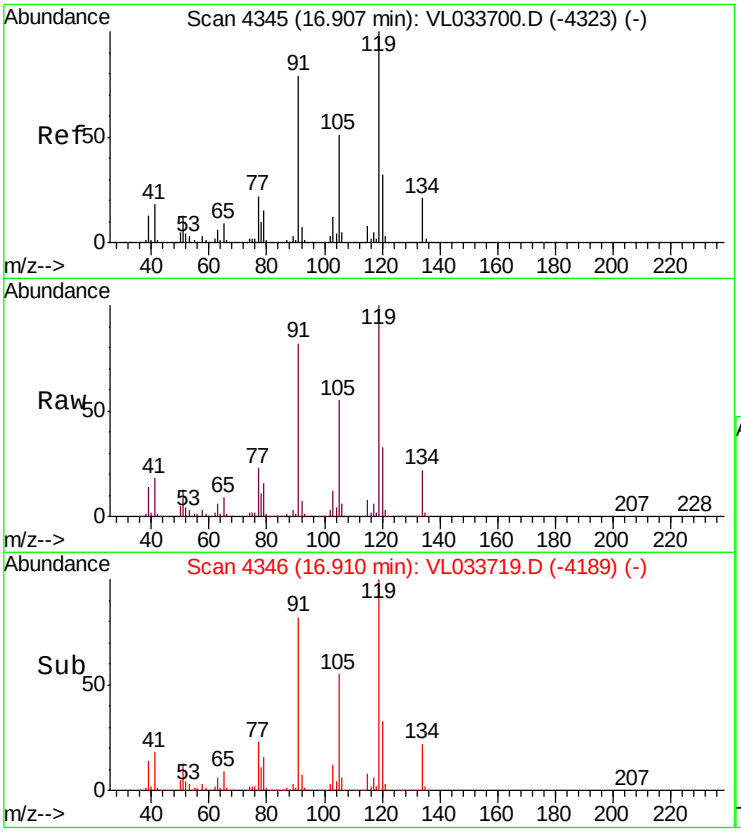


#64
n-propylbenzene
Concen: 7.775 ppbv
RT: 15.72 min Scan# 3976
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion:120 Resp: 1033974

Ion	Ratio	Lower	Upper
120	100		
91	476.5	379.1	568.7



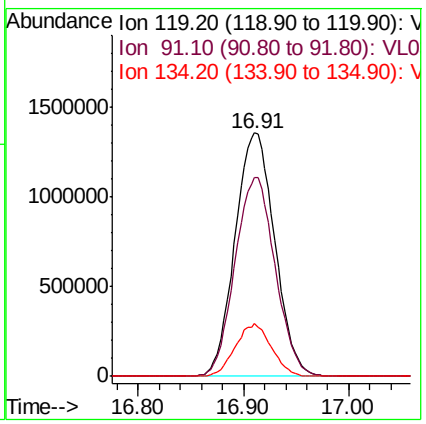


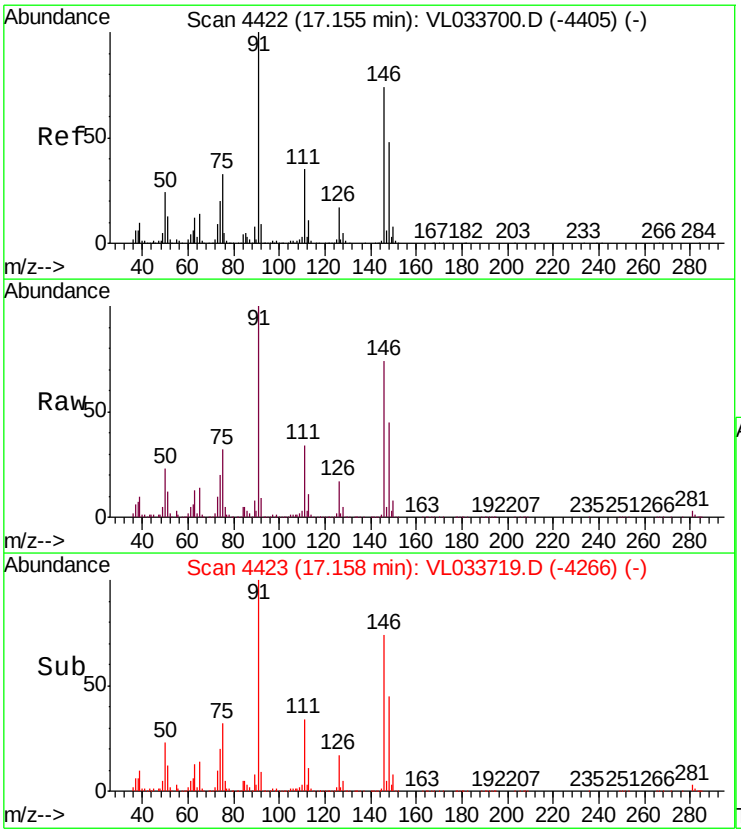
#65
tert-Butylbenzene
Concen: 7.569 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 3552826

Ion	Ratio	Lower	Upper
119	100		
91	82.9	65.3	97.9
134	19.6	15.7	23.5

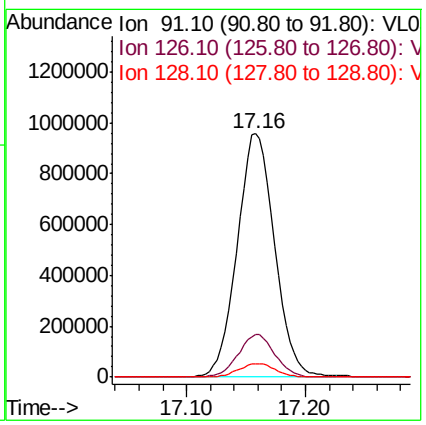


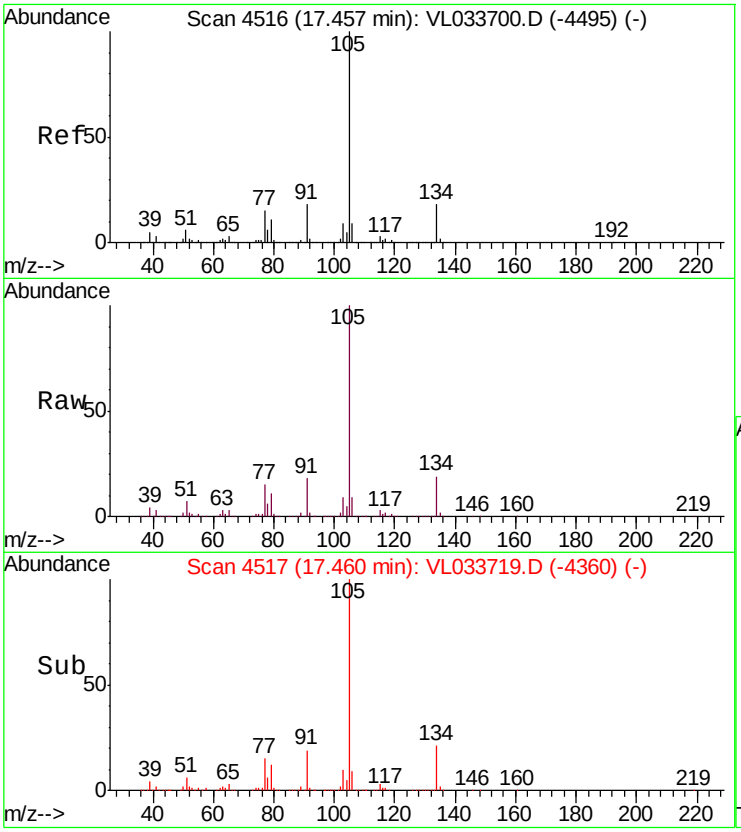


#66
Benzyl Chloride
Concen: 9.297 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 91 Resp: 2078513

Ion	Ratio	Lower	Upper
91	100		
126	17.2	13.5	20.3
128	5.4	4.3	6.5



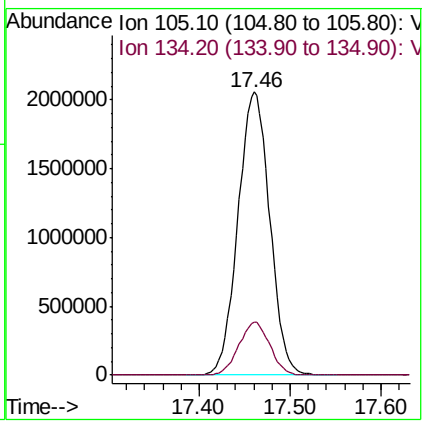


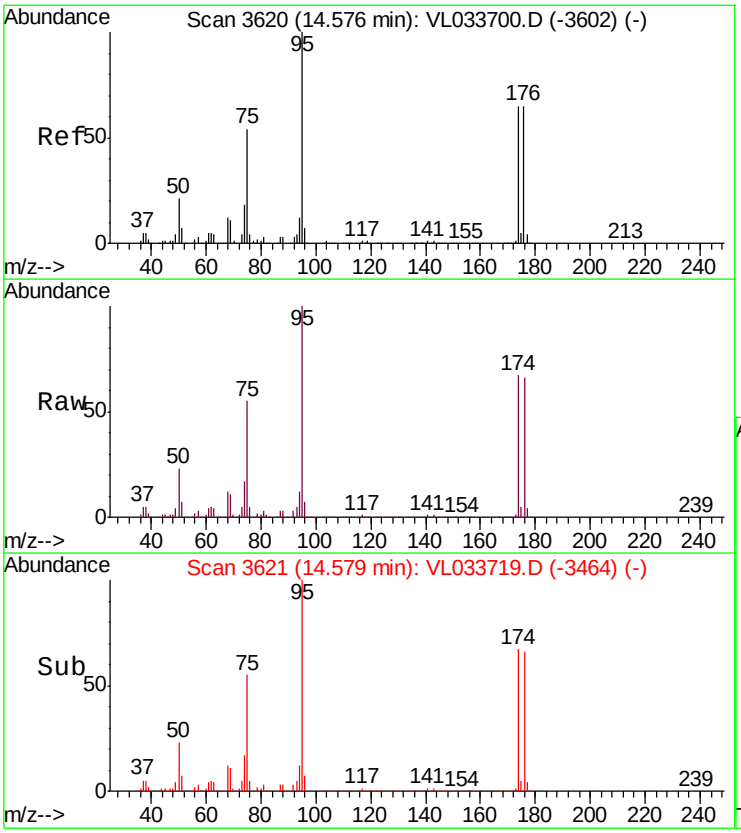
#67
sec-Butylbenzene
Concen: 7.586 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:105 Resp: 4984278

Ion	Ratio	Lower	Upper
105	100		
134	18.3	14.6	22.0

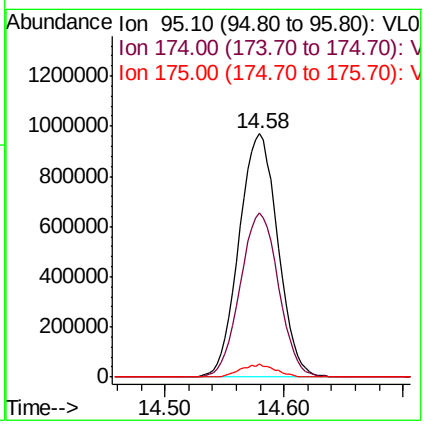


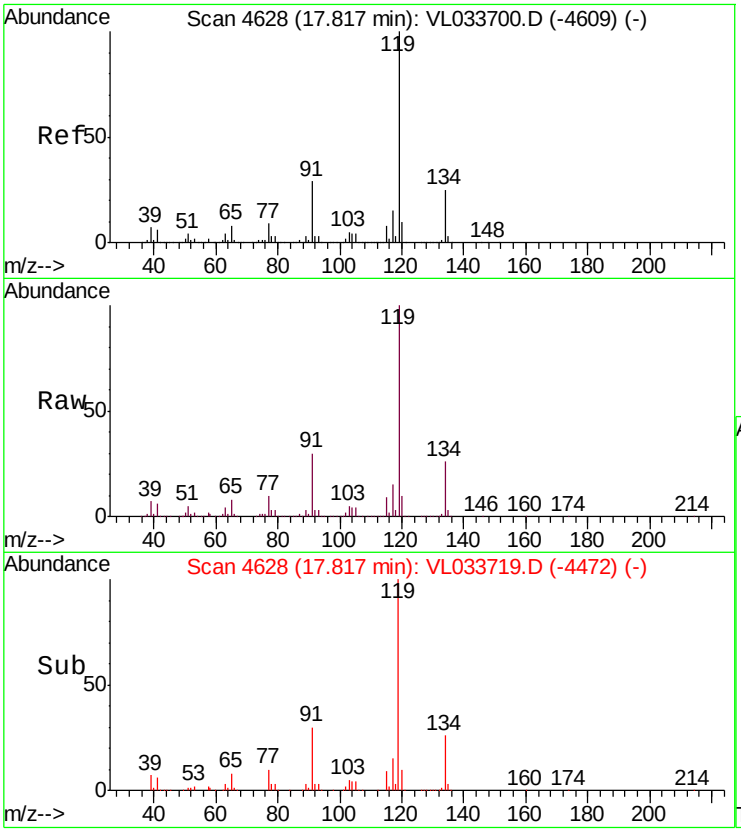


#68
1-Bromo-4-Fluorobenzene
Concen: 8.266 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 95 Resp: 2192112

Ion	Ratio	Lower	Upper
95	100		
174	66.9	53.9	80.9
175	4.8	3.8	5.8



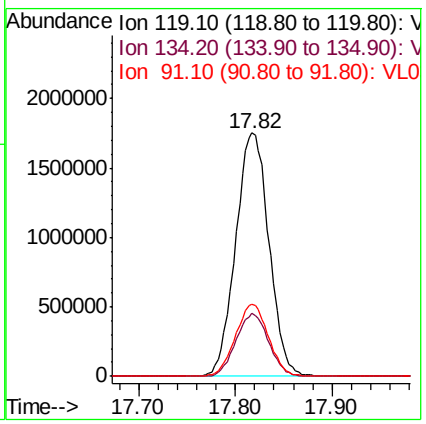


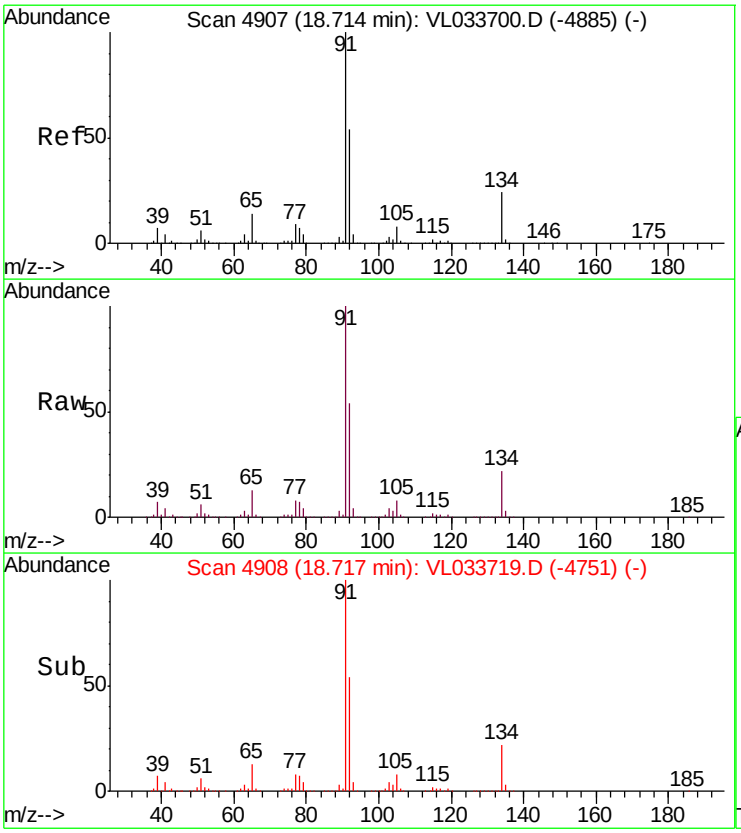
#69
p-Isopropyltoluene
Concen: 7.714 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 4188675

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.3	30.5
91	29.3	23.1	34.7

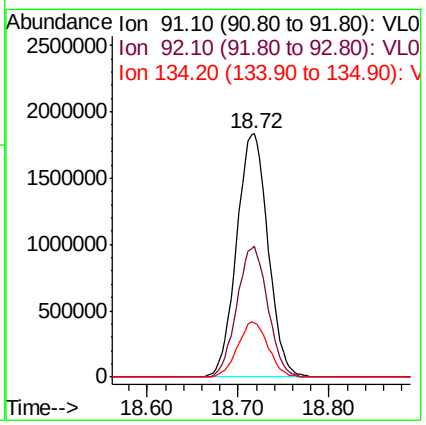


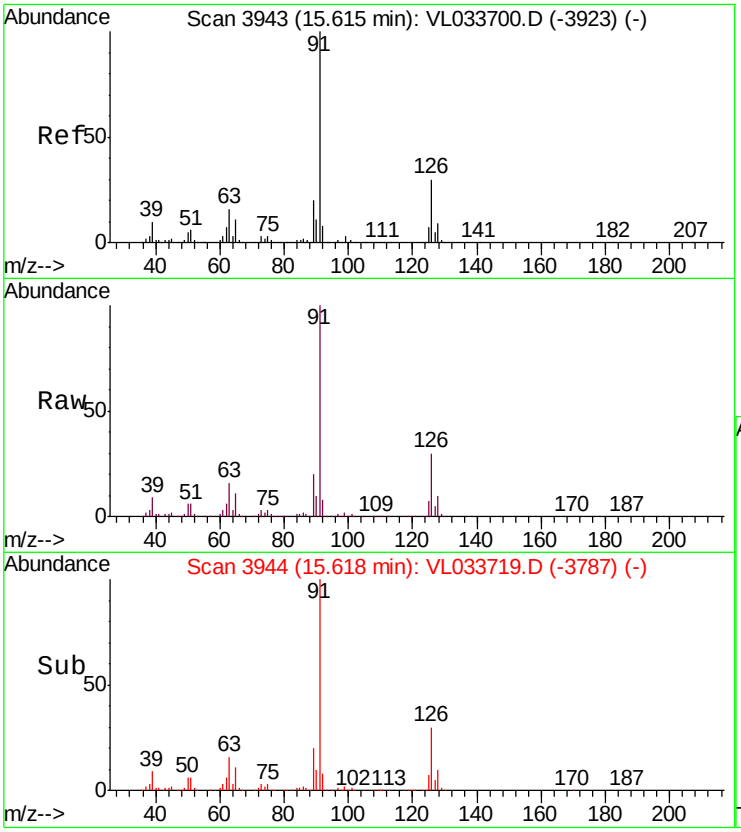


#70
n-Butylbenzene
Concen: 7.542 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion: 91 Resp: 4391622

Ion	Ratio	Lower	Upper
91	100		
92	52.9	42.6	63.8
134	22.2	18.1	27.1



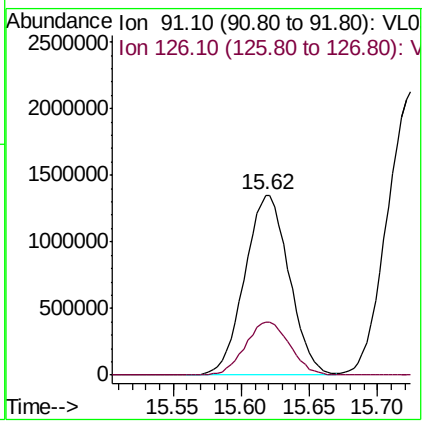


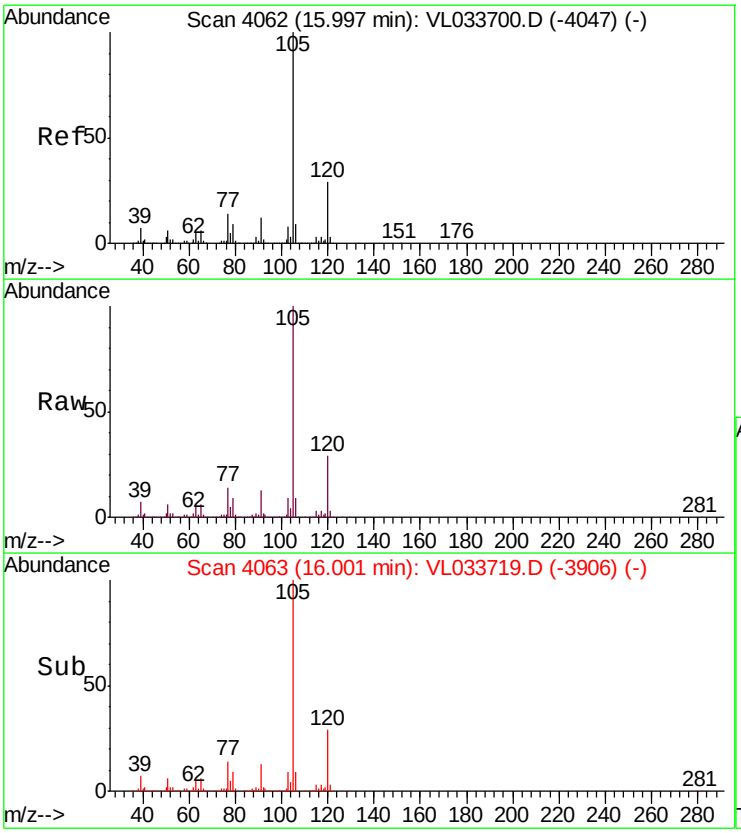
#71
2-Chlorotoluene
Concen: 7.994 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 3049127

Ion	Ratio	Lower	Upper
91	100		
126	29.9	12.0	47.8

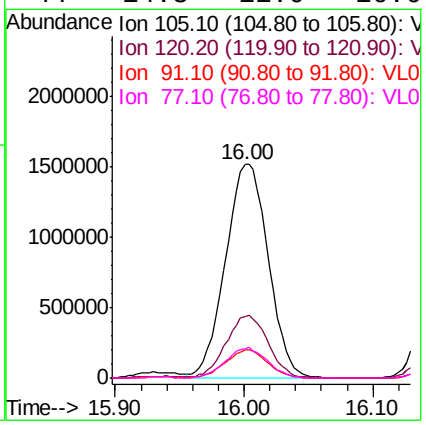


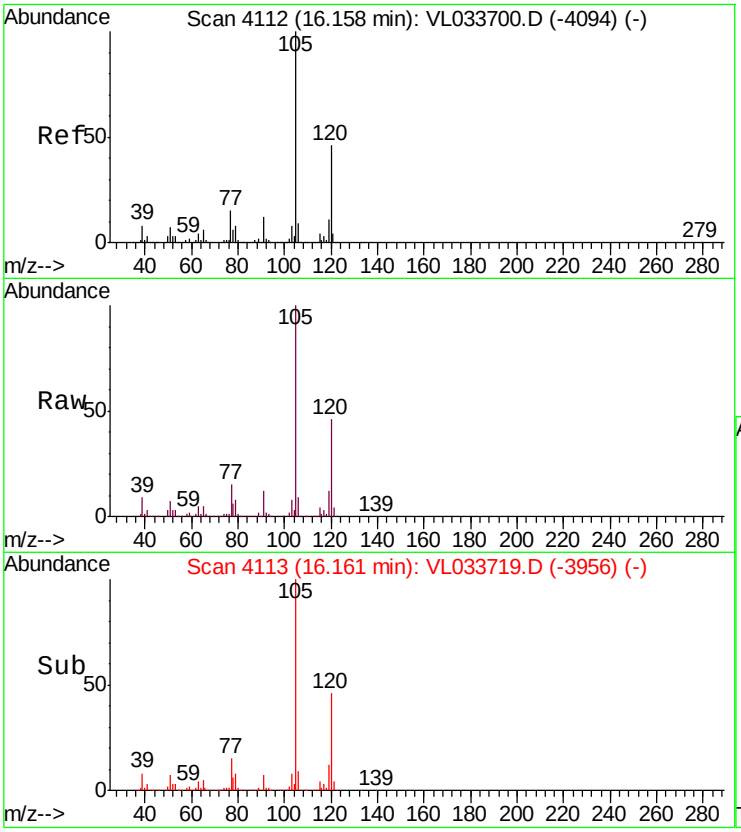


#72
4-Ethyltoluene
Concen: 7.973 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion:105 Resp: 3479987

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.1	34.7
91	13.0	10.4	15.6
77	14.3	11.0	16.6



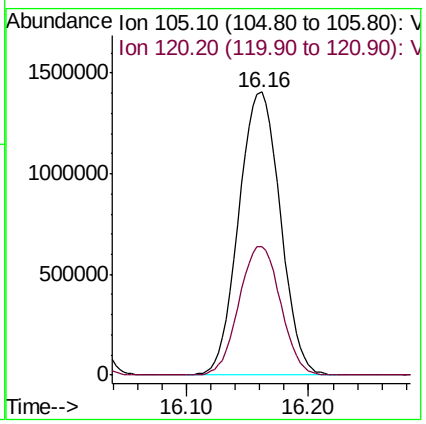


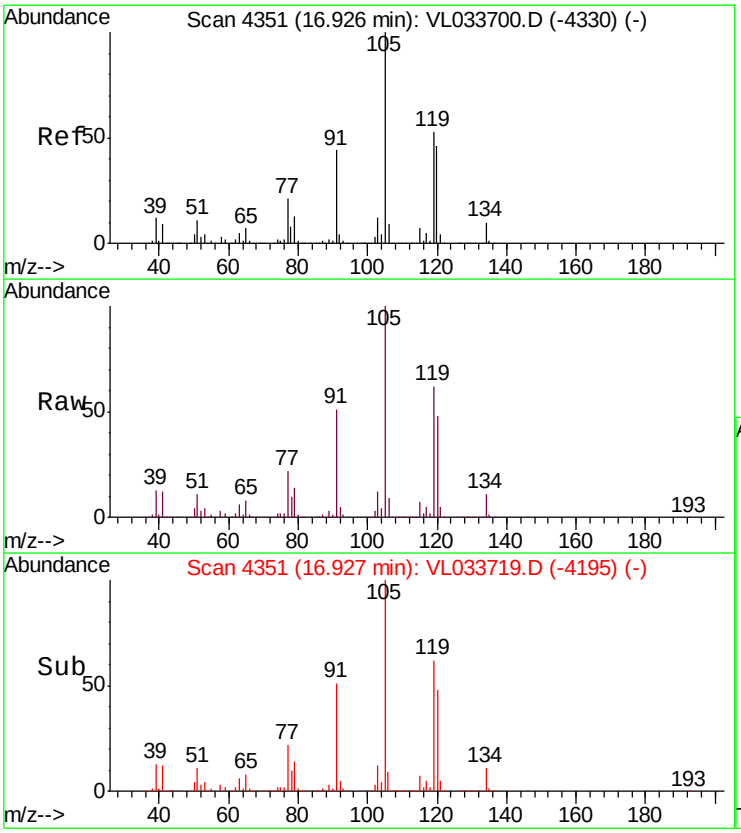
#73
1,3,5-Trimethylbenzene
Concen: 7.762 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 3305552

Ion	Ratio	Lower	Upper
105	100		
120	45.6	37.0	55.4

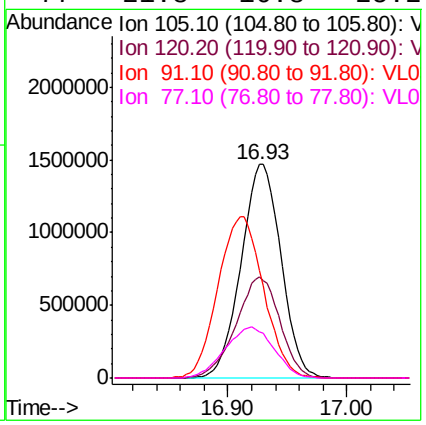


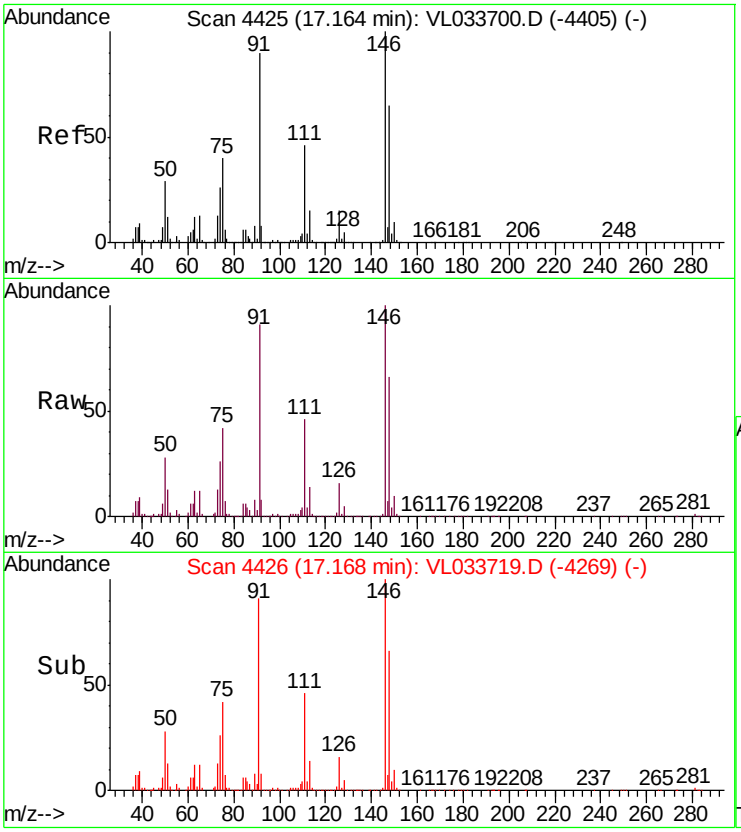


#74
1,2,4-Trimethylbenzene
Concen: 7.365 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion:105 Resp: 3413587

Ion	Ratio	Lower	Upper
105	100		
120	47.5	36.8	55.2
91	50.4	35.4	53.0
77	21.8	16.8	25.2



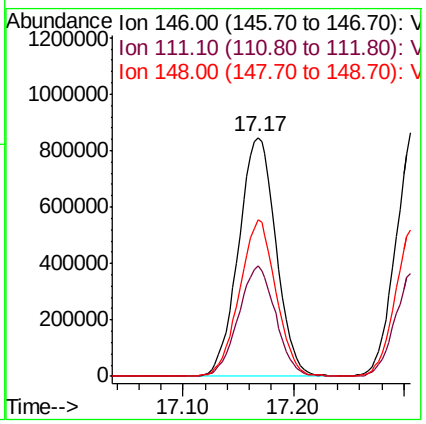


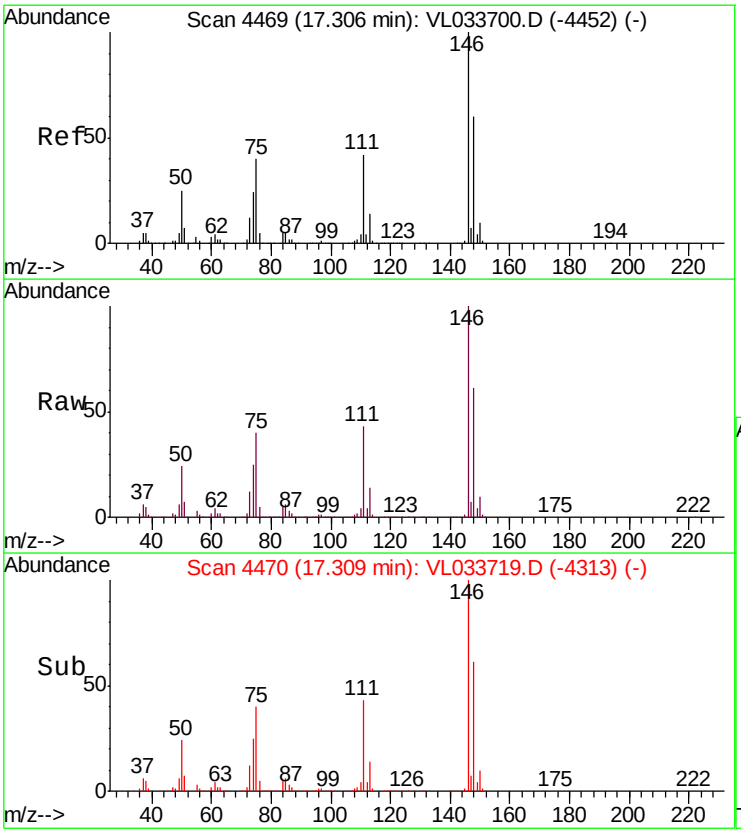
#75
1,3-Dichlorobenzene
Concen: 7.012 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 1991601

Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.9	68.8
148	63.7	32.0	96.2

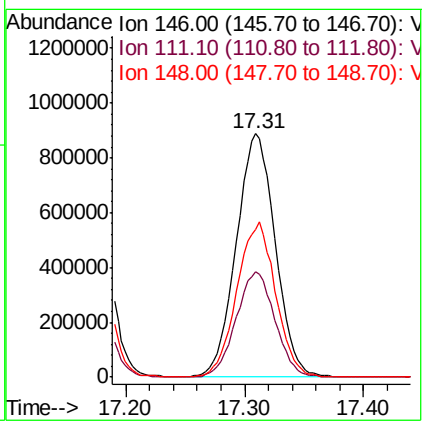


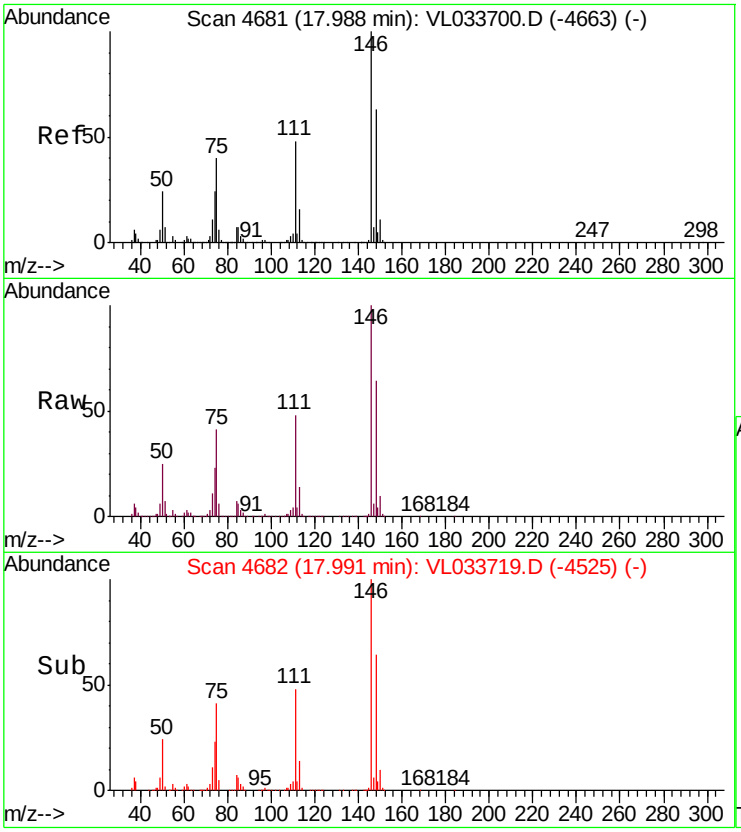


#76
1,4-Dichlorobenzene
Concen: 7.421 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion:146 Resp: 2003208

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.9	65.8
148	64.0	32.1	96.3



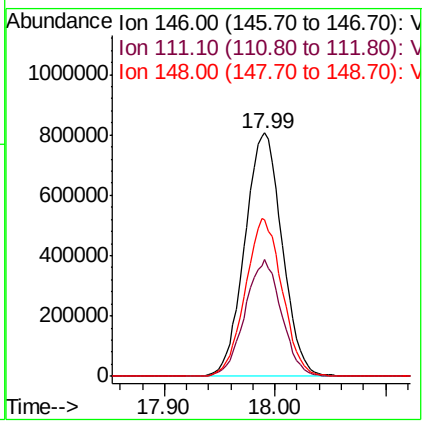


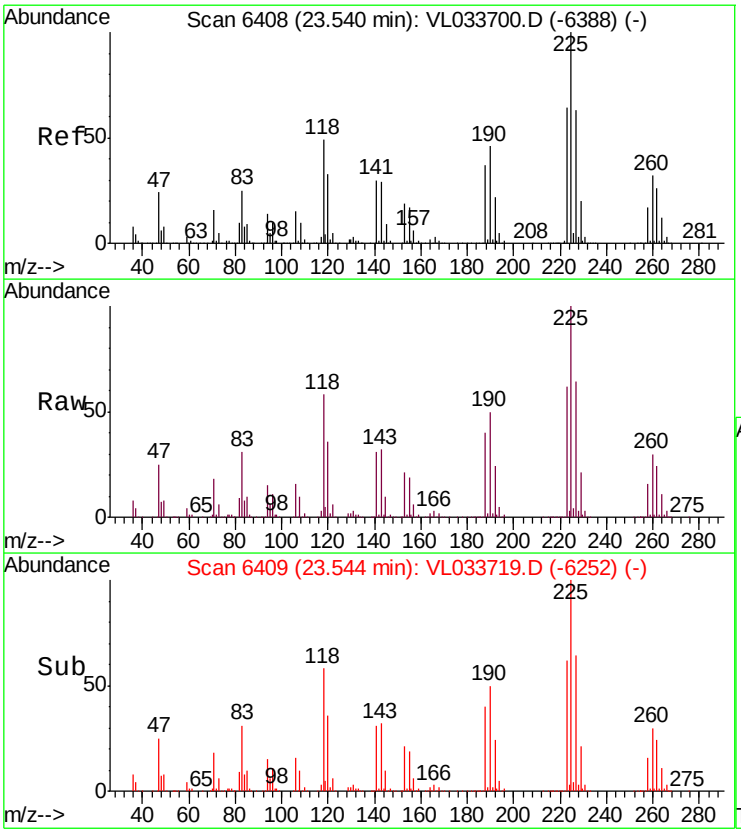
#77
1,2-Dichlorobenzene
Concen: 7.101 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:146 Resp: 1895201

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.5	70.5
148	64.0	32.1	96.3

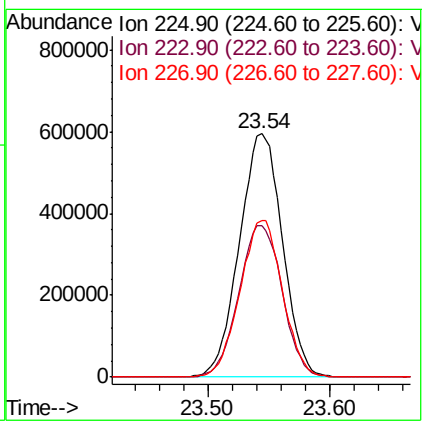


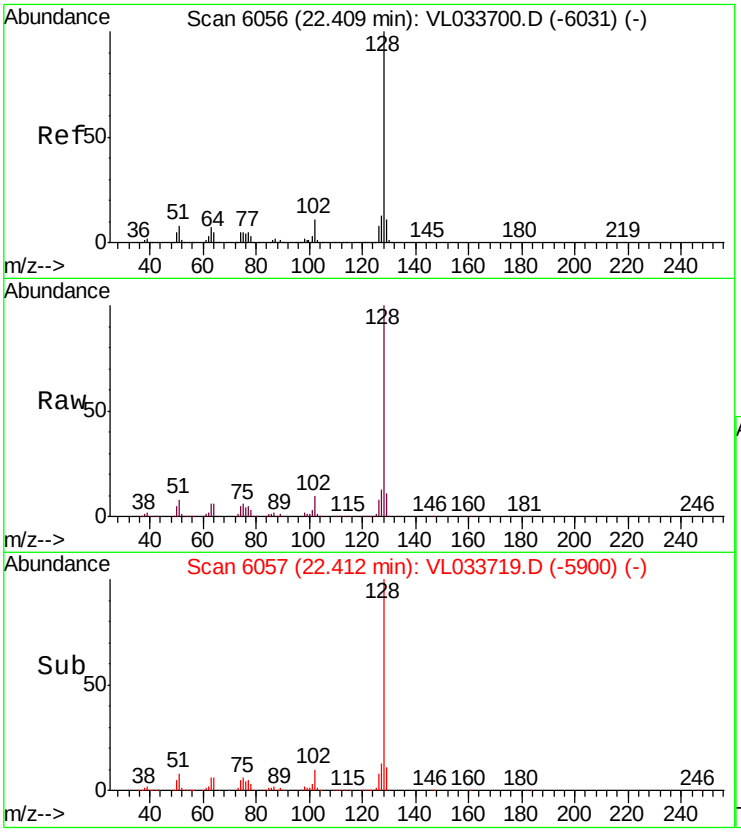


#78
Hexachloro-1,3-Butadiene
Concen: 7.194 ppbv
RT: 23.54 min Scan# 6409
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion:225 Resp: 1451506

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.4
227	63.5	50.7	76.1



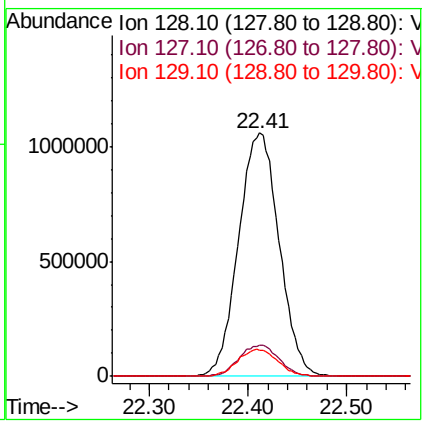


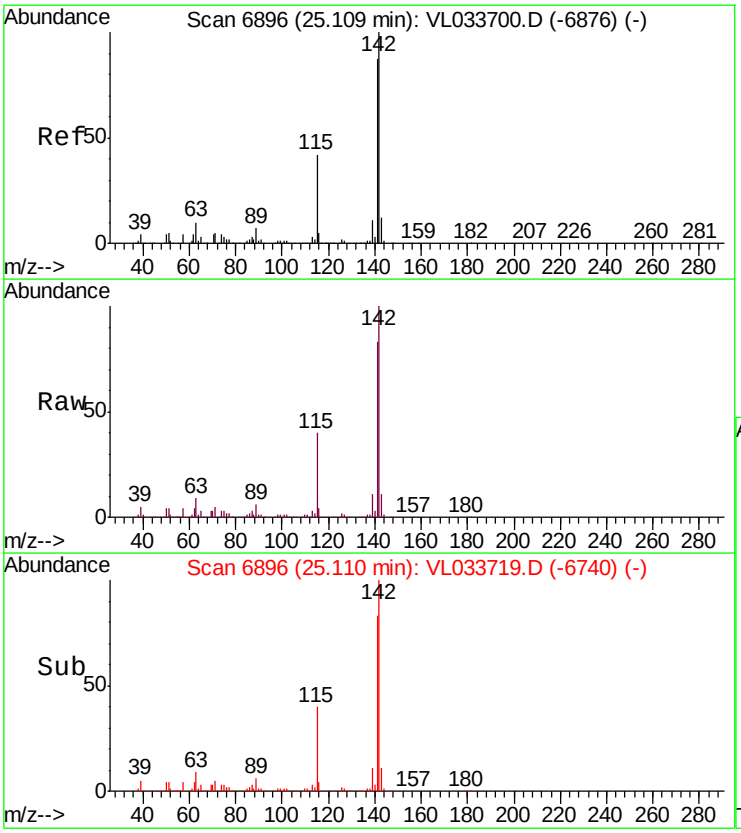
#79
Naphthalene
Concen: 7.001 ppbv
RT: 22.41 min Scan# 6057
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 3014040

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	10.9	8.9	13.3

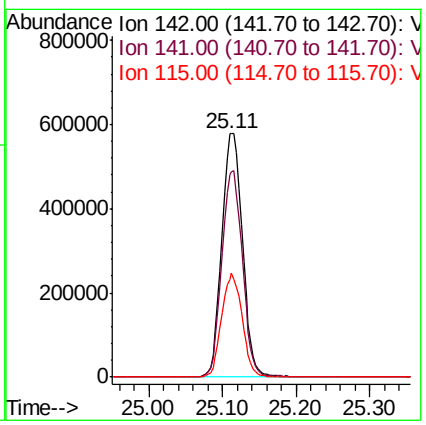


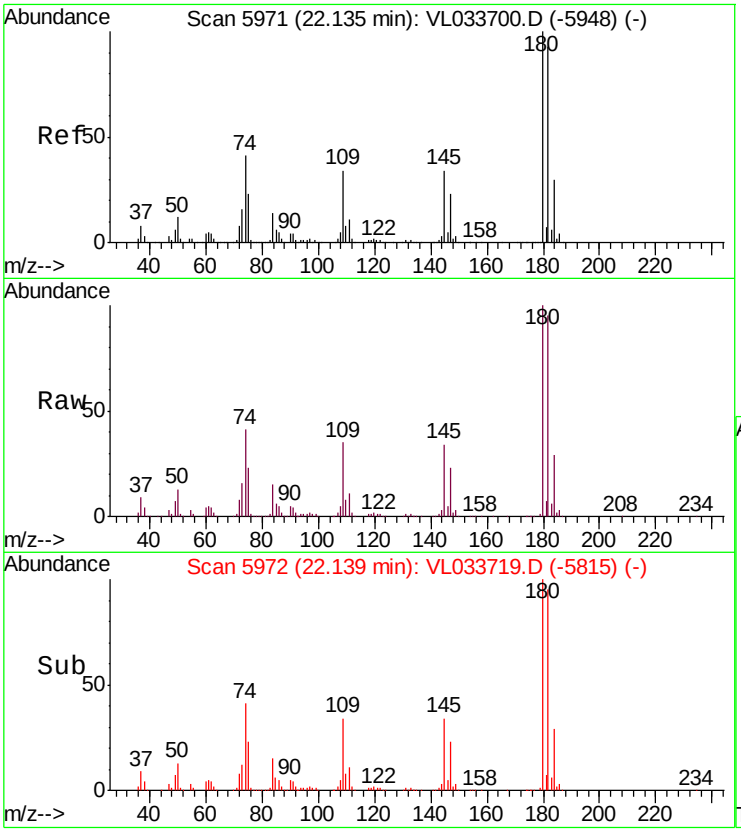


#80
Naphthalene,2-methyl-
Concen: 6.928 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Tgt Ion:142 Resp: 1133245

Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.2	100.8
115	42.2	34.1	51.1





#81
1,2,4-Trichlorobenzene
Concen: 6.548 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. 0.00 min
Lab File: VL033719.D
Acq: 17 May 2019 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:180 Resp: 1650599

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.1	114.1
184	30.5	24.6	37.0