Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033318.D
Acq On : 15 Mar 2019 3:36
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Mar 15 04:24:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 04:20:36 2019
QLast Update : Fri Mar 15 04:20:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	904169	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2096670	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2319090	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1664967	9.39	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	279728	1.754	ppbv	98
3) Chlorodifluoromethane	3.01	51	209844	1.824	ppbv	99
4) Chloromethane	3.17	50	113912	1.835	ppbv	92
5) Vinyl Chloride	3.29	62	108974	1.732	ppbv	99
6) Bromomethane	3.52	94	68123	1.809	ppbv	97
7) Chloroethane	3.60	64	40842	1.830	ppbv	93
8) Dichlorotetrafluoroethane	3.22	85	280132	1.872	ppbv	99
9) Propene	3.04	41	94547	1.837	ppbv	99
10) Heptane	8.25	43	242309	1.898	ppbv	99
11) Trichlorofluoromethane	4.00	101	314088	1.898	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	205590	1.842	ppbv	99
13) Ethanol	3.65	45	53895	3.339	ppbv	100
14) Bromoethene	3.79	108	87087	1.871	ppbv	98
15) Acetone	3.90	43	328162	2.664	ppbv	99
16) 1,3-Butadiene	3.36	39	94258	1.908	ppbv	95
17) tert-Butyl alcohol	4.36	59	19702	0.919	ppbv #	73
18) 1,1-Dichloroethene	4.35	96	92676	1.894	ppbv	93
19) Isopropyl Alcohol	4.03	45	127605	1.686	ppbv #	98
20) Methylene Chloride	4.41	84	94465	1.908	ppbv	90
21) Allyl Chloride	4.48	41	139540	1.896	ppbv	100
22) trans-1,2-Dichloroethene	4.97	96	88166	1.791	ppbv	93
23) Vinyl Acetate	5.16	43	332394	1.905	ppbv	98
24) 1,1-Dichloroethane	5.09	63	234239	1.858	ppbv	99
25) Ethyl Acetate	5.77	43	415463	1.870	ppbv	100
26) Hexane	5.78	57	189026	1.820	ppbv	97
27) Carbon Disulfide	4.62	76	204913	1.856	ppbv	96
28) Methyl tert-Butyl Ether	5.12	73	274903	1.885	ppbv	99
29) Chloroform	5.85	83	301184	1.858	ppbv	98
30) Cyclohexane	7.25	84	152692	1.908	ppbv	88
31) cis-1,2-Dichloroethene	5.64	61	183658	1.856	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	294242	1.859	ppbv	99
34) 2-Butanone	5.33	43	289922	2.053	ppbv	100
35) Carbon Tetrachloride	7.13	117	307871	1.917	ppbv	92
36) Benzene	7.00	78	383828	1.891	ppbv	98
37) 1,2-Dichloroethane	6.41	62	237863	1.938	ppbv	99
38) Trichloroethene	7.96	130	85061	1.050	ppbv	99
39) 1,2-Dichloropropane	7.73	63	143657	1.842	ppbv	97
40) 1,4-Dioxane	7.97	88	24122	0.862	ppbv #	1
41) Tetrahydrofuran	6.16	42	149971	1.883	ppbv	99
42) Bromodichloromethane	7.92	83	320925	1.866	ppbv	96
43) Methyl Methacrylate	8.14	69	147987	1.829	ppbv	97

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033318.D
Acq On : 15 Mar 2019 3:36
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Mar 15 04:24:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 04:20:36 2019
QLast Update : Fri Mar 15 04:20:36 2019
Response via : Initial Calibration

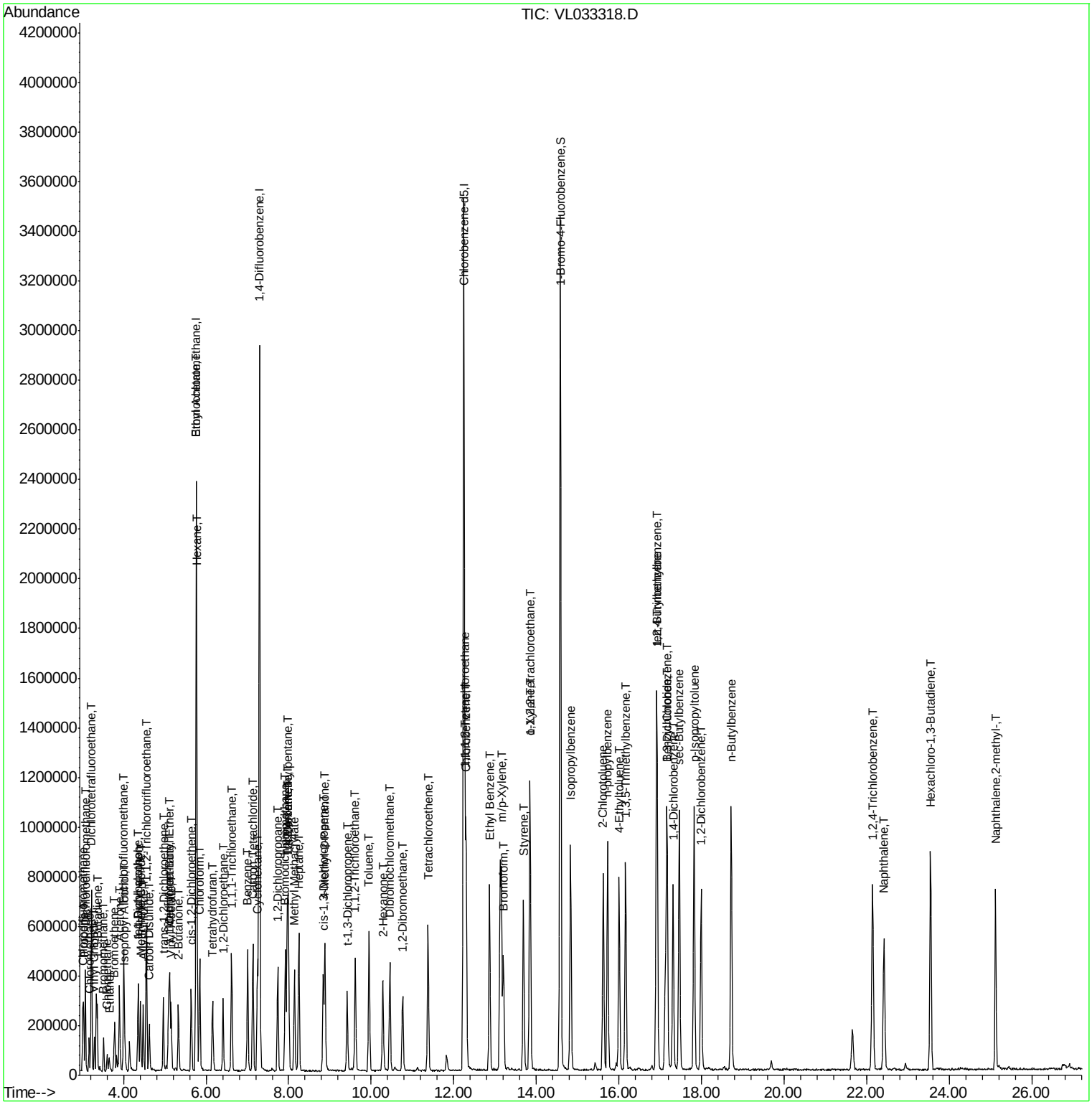
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	653148	1.876	ppbv		100
45) t-1,3-Dichloropropene	9.42	75	177139	1.866	ppbv		97
46) cis-1,3-Dichloropropene	8.84	75	210236	1.839	ppbv		97
47) 1,1,2-Trichloroethane	9.61	97	155520	1.865	ppbv		93
48) Dibromochloromethane	10.45	129	261799	1.859	ppbv		100
49) Bromoform	13.20	173	244526	2.049	ppbv		98
50) 4-Methyl-2-Pentanone	8.88	43	409216	1.967	ppbv		99
51) 2-Hexanone	10.28	43	329990	2.061	ppbv	#	98
52) Tetrachloroethene	11.37	164	141979	1.697	ppbv		90
53) Toluene	9.95	91	441098	1.900	ppbv		99
54) 1,2-Dibromoethane	10.76	107	241490	1.772	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.28	131	214325	2.045	ppbv	#	1
57) Chlorobenzene	12.30	112	378157	2.012	ppbv		98
58) Ethyl Benzene	12.87	91	674755	2.019	ppbv		100
59) m/p-Xylene	13.15	91	378942	1.348	ppbv	#	32
60) o-Xylene	13.85	91	564749	2.076	ppbv		100
61) Styrene	13.69	104	393459	2.066	ppbv		98
62) Isopropylbenzene	14.83	105	784840	2.054	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	394278	2.013	ppbv		100
64) n-propylbenzene	15.72	120	135898	1.430	ppbv	#	8
65) tert-Butylbenzene	16.91	119	716348	2.214	ppbv		99
66) Benzyl Chloride	17.16	91	257553	1.960	ppbv		99
67) sec-Butylbenzene	17.46	105	1015083	2.177	ppbv		99
69) p-Isopropyltoluene	17.82	119	833794	2.236	ppbv		99
70) n-Butylbenzene	18.71	91	538612	1.379	ppbv	#	39
71) 2-Chlorotoluene	15.62	91	609940	2.130	ppbv		99
72) 4-Ethyltoluene	16.00	105	639333	2.184	ppbv		98
73) 1,3,5-Trimethylbenzene	16.16	105	631161	2.295	ppbv		94
74) 1,2,4-Trimethylbenzene	16.93	105	664446	2.366	ppbv		94
75) 1,3-Dichlorobenzene	17.16	146	389460	2.215	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	376331	2.191	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	369252	2.150	ppbv		99
78) Hexachloro-1,3-Butadiene	23.55	225	227137	1.926	ppbv		99
79) Naphthalene	22.42	128	673738	2.951	ppbv		99
80) Naphthalene,2-methyl-	25.12	142	389247	5.894	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	345184	2.657	ppbv		99

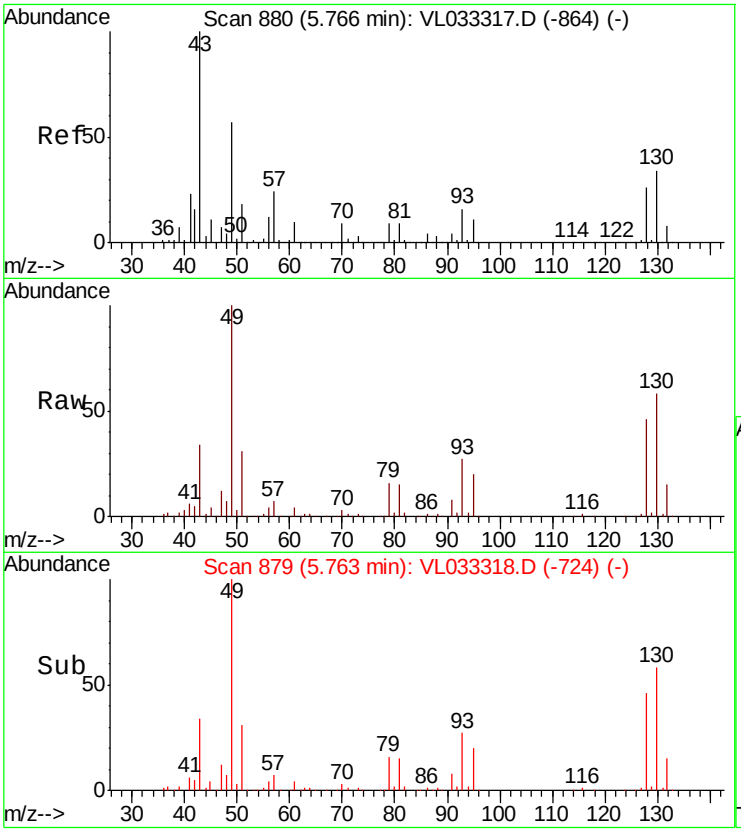
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033318.D
Acq On : 15 Mar 2019 3:36
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Mar 15 04:24:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 04:20:36 2019
QLast Update : Fri Mar 15 04:20:36 2019
Response via : Initial Calibration



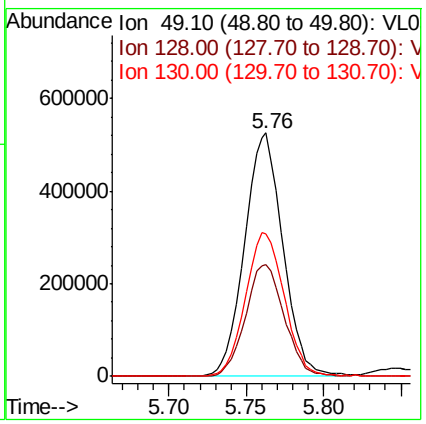


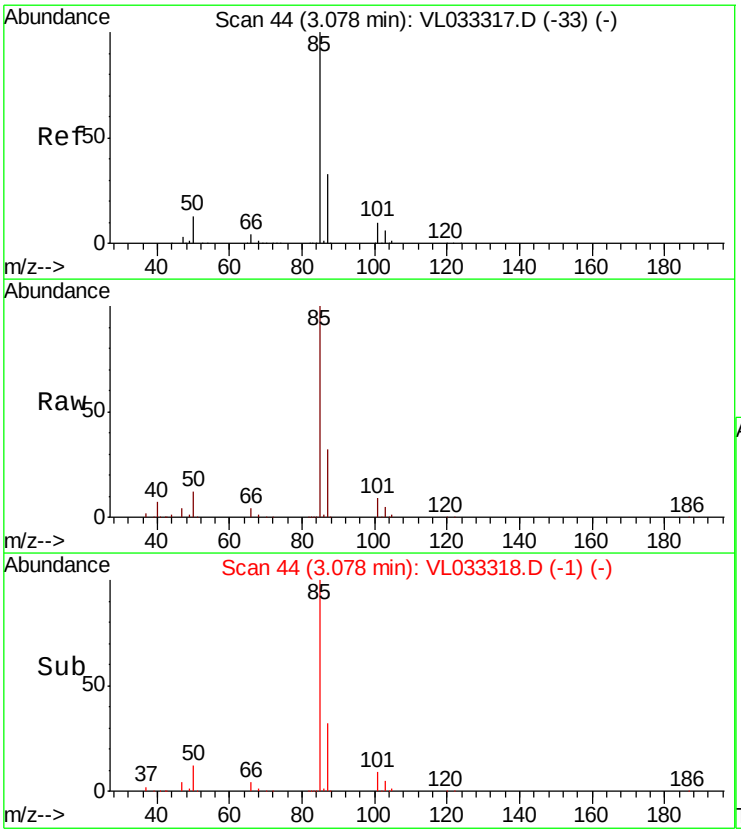
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 904169

Ion	Ratio	Lower	Upper
49	100		
128	46.8	23.2	69.6
130	60.4	30.1	90.5

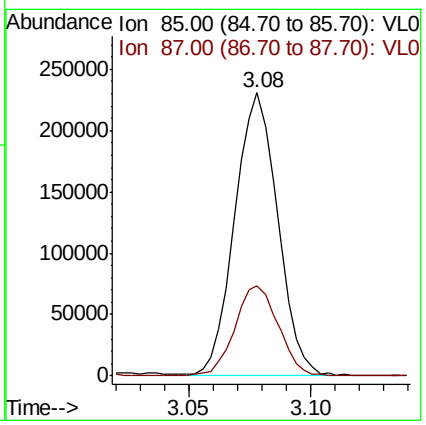


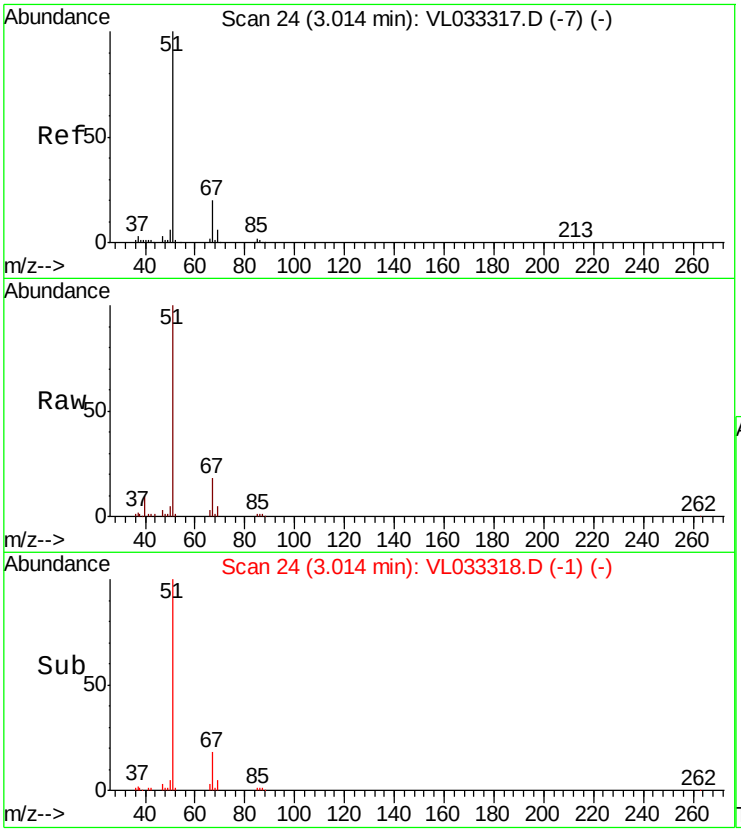


#2
Dichlorodifluoromethane
Concen: 1.754 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 85 Resp: 279728

Ion	Ratio	Lower	Upper
85	100		
87	31.8	26.4	39.6



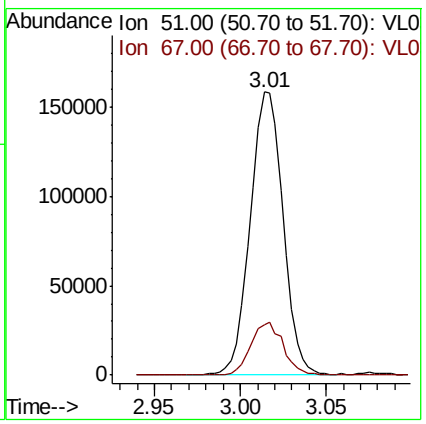


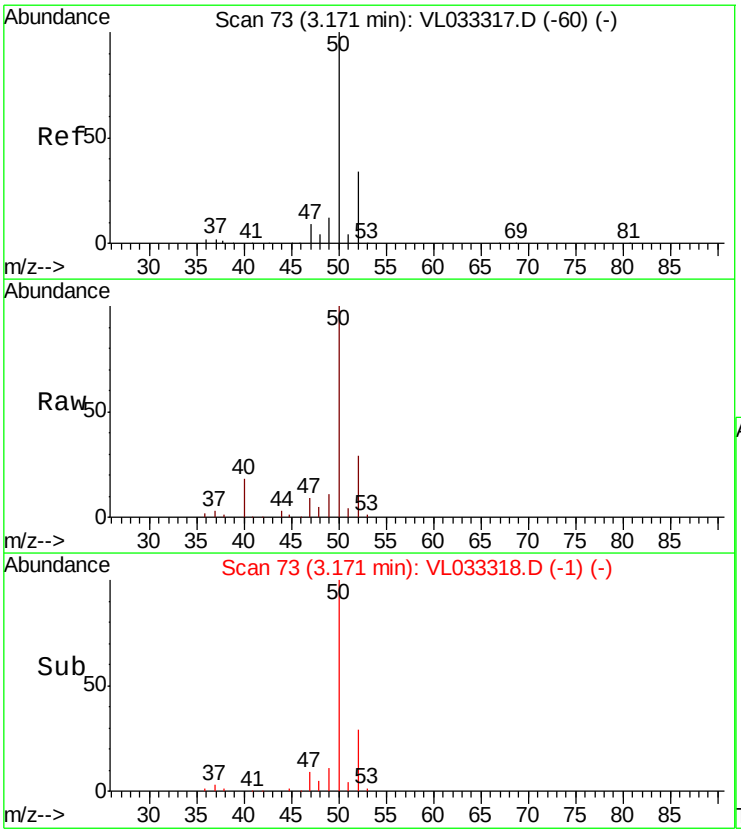
#3
Chlorodifluoromethane
Concen: 1.824 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 209844

Ion	Ratio	Lower	Upper
51	100		
67	18.3	15.1	22.7

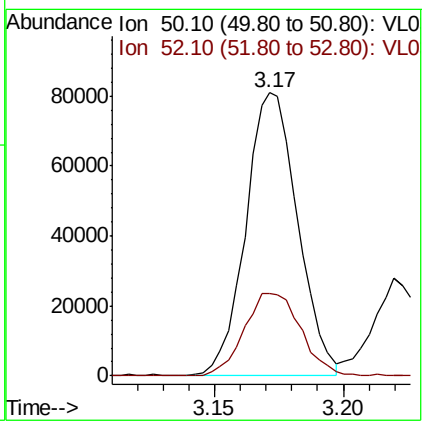


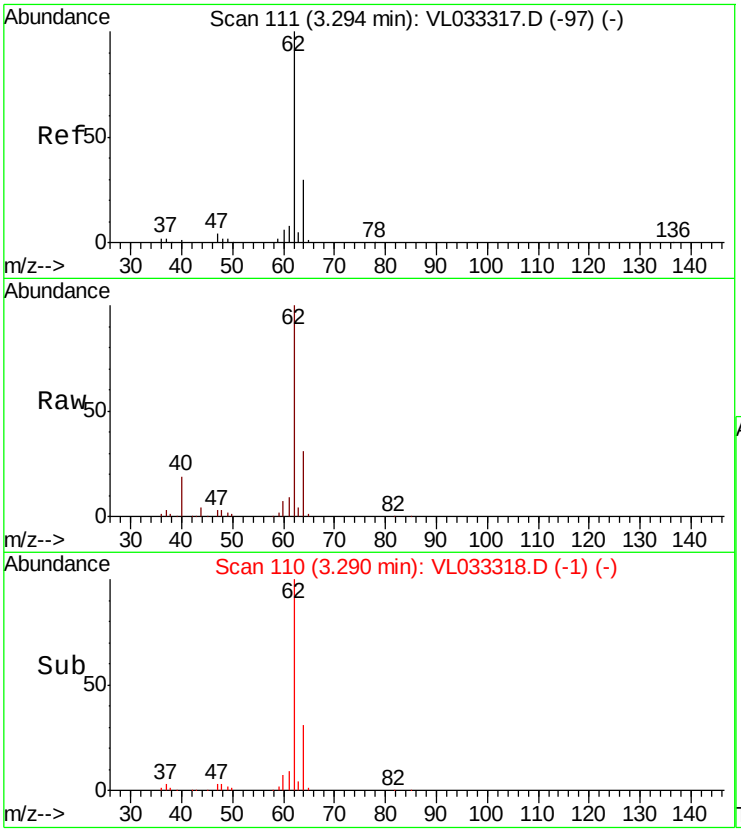


#4
Chloromethane
Concen: 1.835 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 50 Resp: 113912

Ion	Ratio	Lower	Upper
50	100		
52	29.2	26.8	40.2



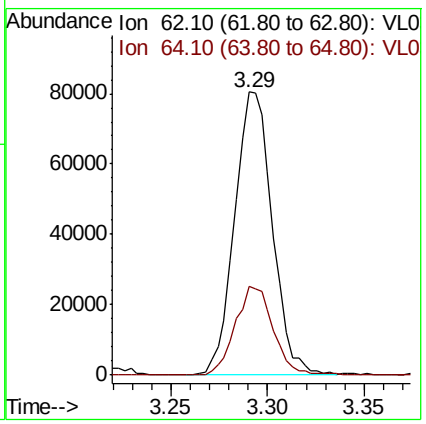


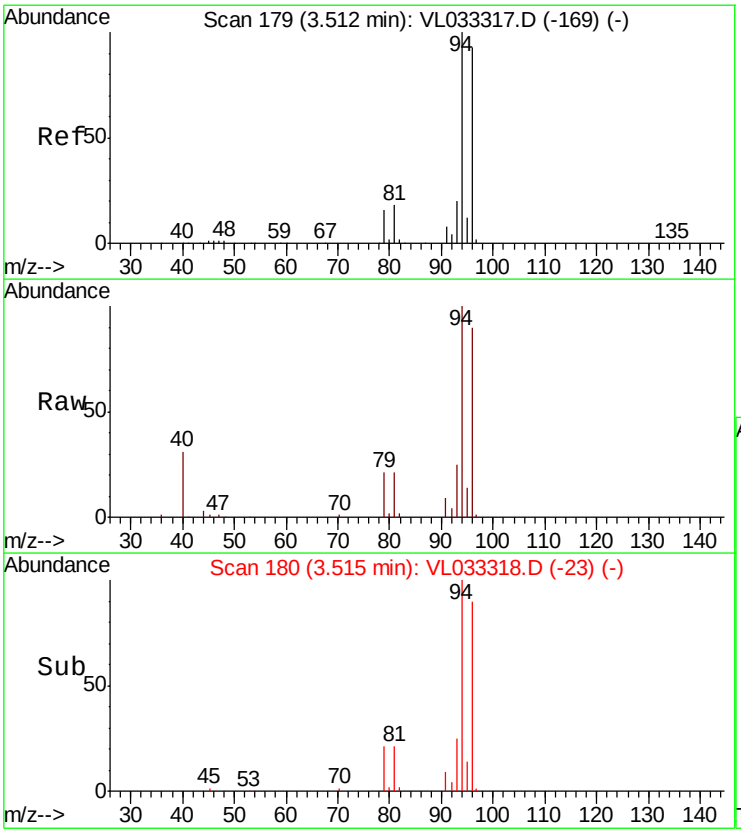
#5
Vinyl Chloride
Concen: 1.732 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 62 Resp: 108974

Ion	Ratio	Lower	Upper
62	100		
64	31.0	24.3	36.5

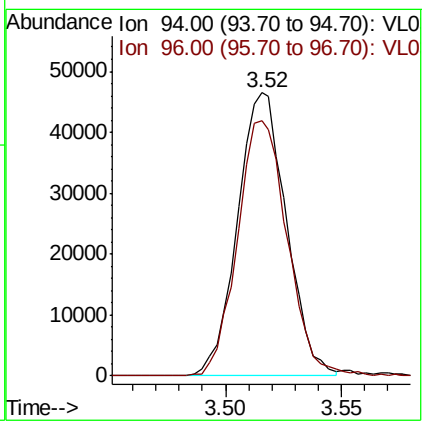


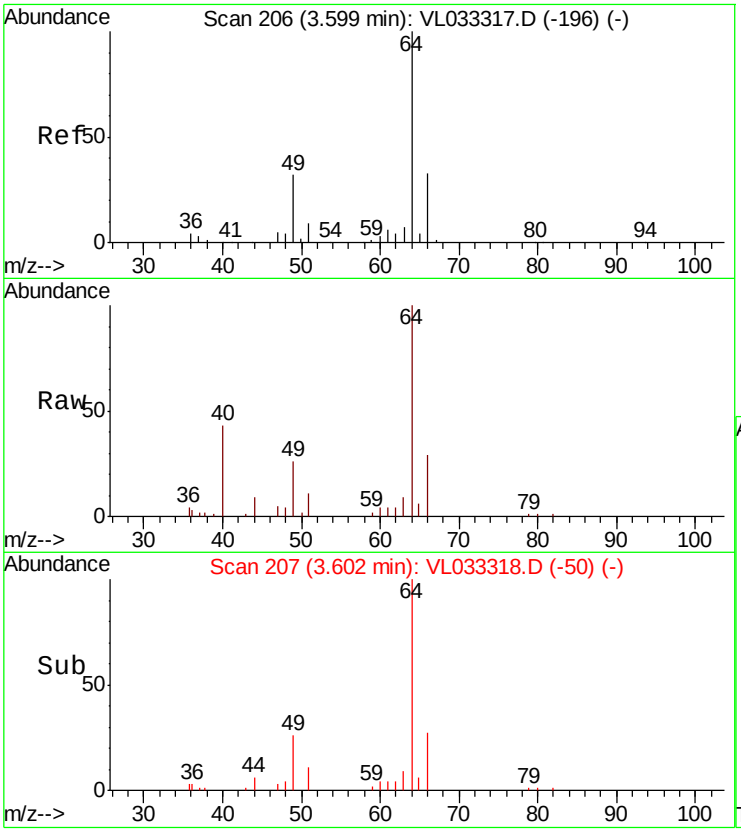


#6
Bromomethane
Concen: 1.809 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 94 Resp: 68123

Ion	Ratio	Lower	Upper
94	100		
96	90.2	74.8	112.2



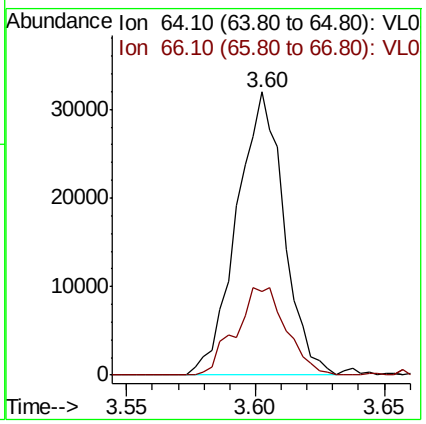


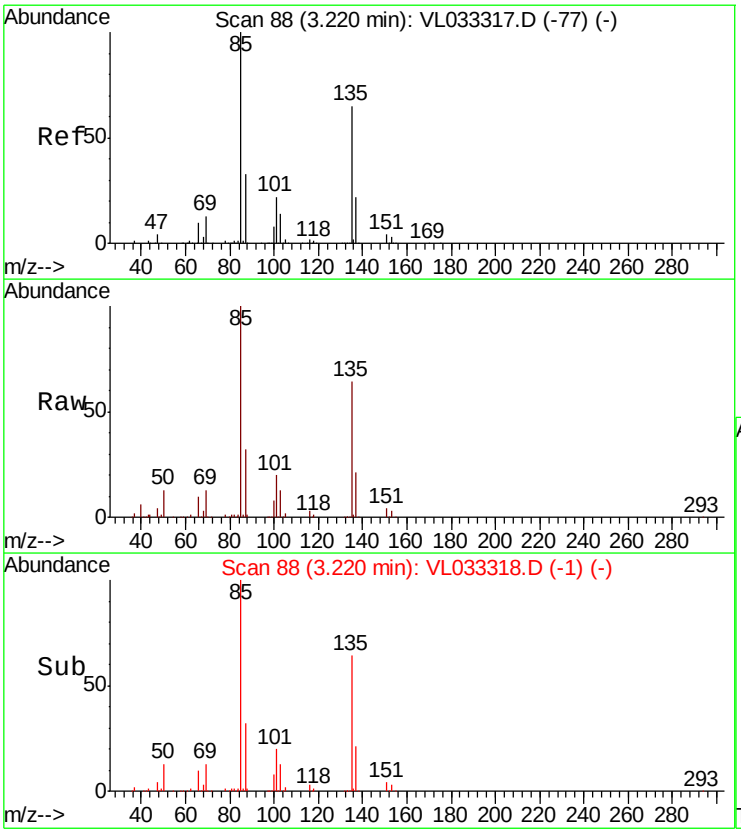
#7
Chloroethane
Concen: 1.830 ppbv
RT: 3.60 min Scan# 207
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 64 Resp: 40842

Ion	Ratio	Lower	Upper
64	100		
66	29.4	26.6	39.8

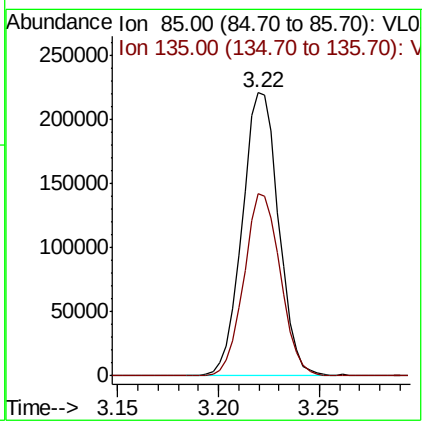


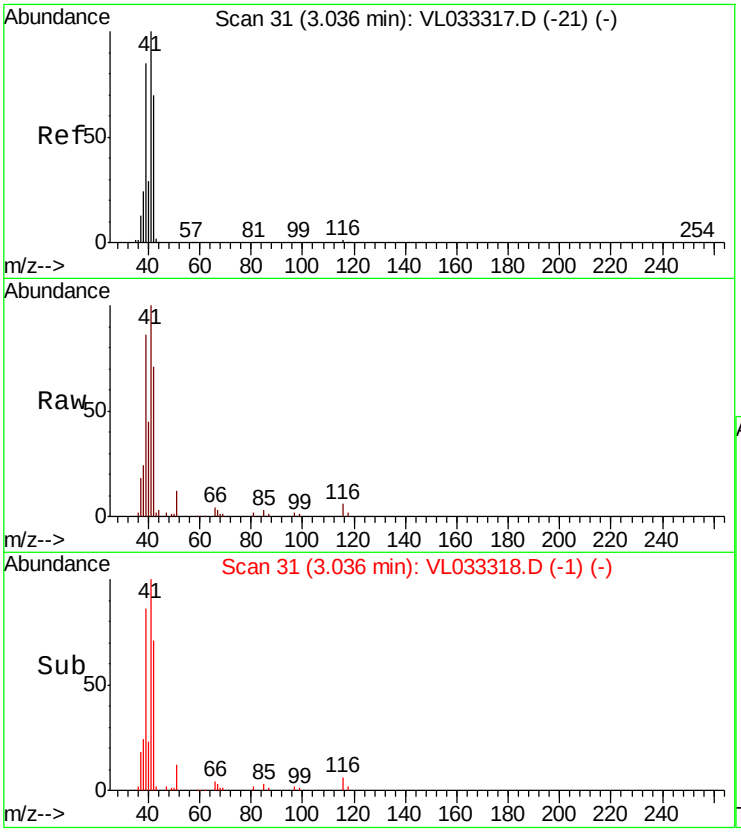


#8
Dichlorotetrafluoroethane
Concen: 1.872 ppbv
RT: 3.22 min Scan# 88
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 85 Resp: 280132

Ion	Ratio	Lower	Upper
85	100		
135	64.7	52.6	79.0



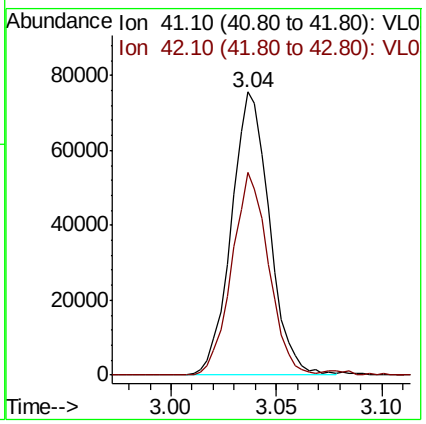


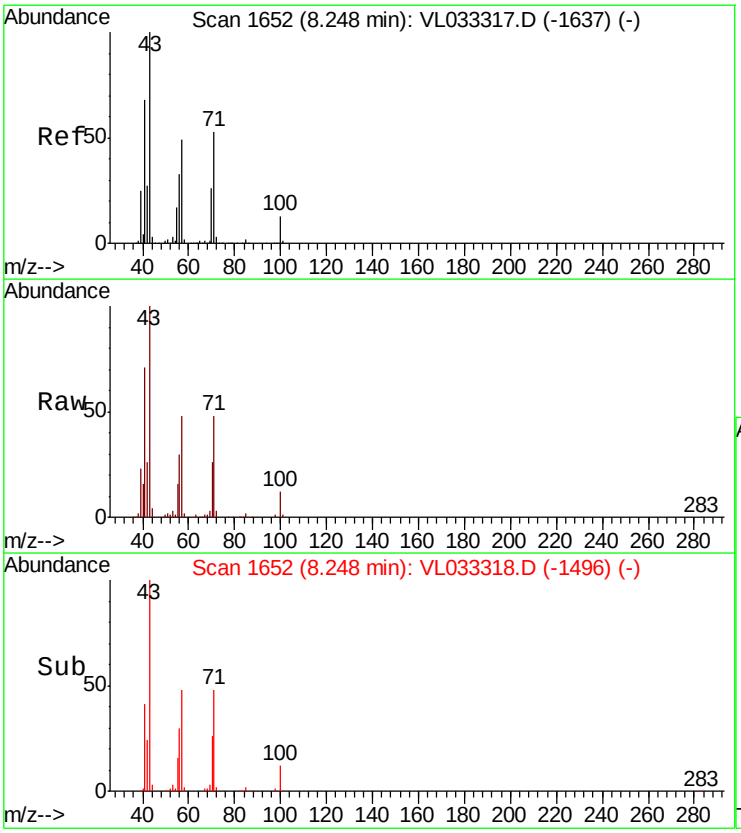
#9
Propene
Concen: 1.837 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 94547

Ion	Ratio	Lower	Upper
41	100		
42	70.5	55.5	83.3

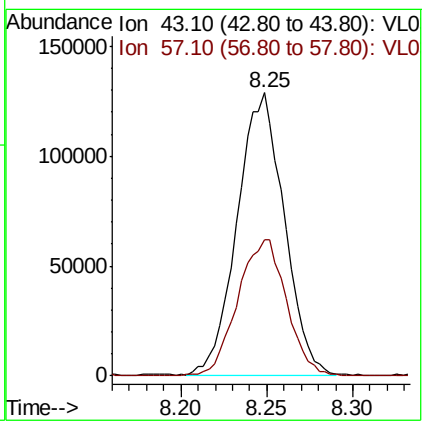


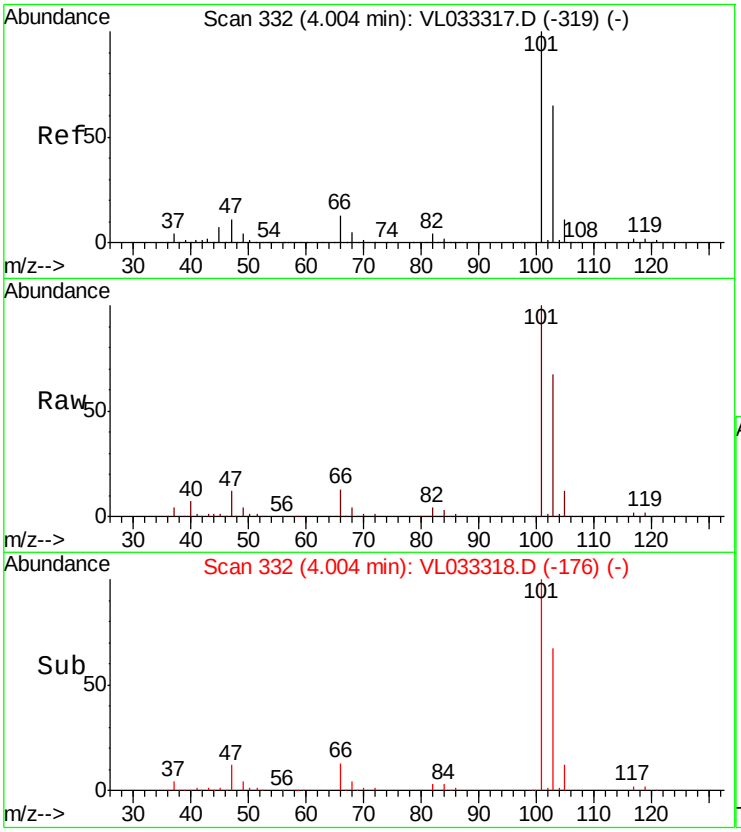


#10
Heptane
Concen: 1.898 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 43 Resp: 242309

Ion	Ratio	Lower	Upper
43	100		
57	50.2	40.6	61.0



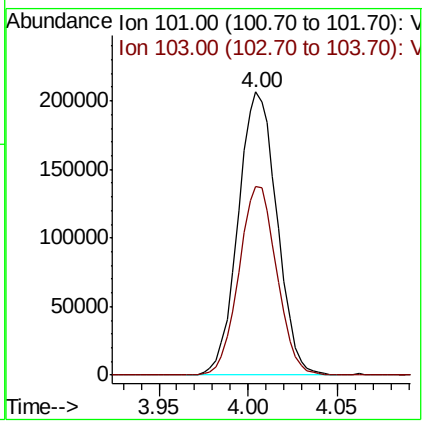


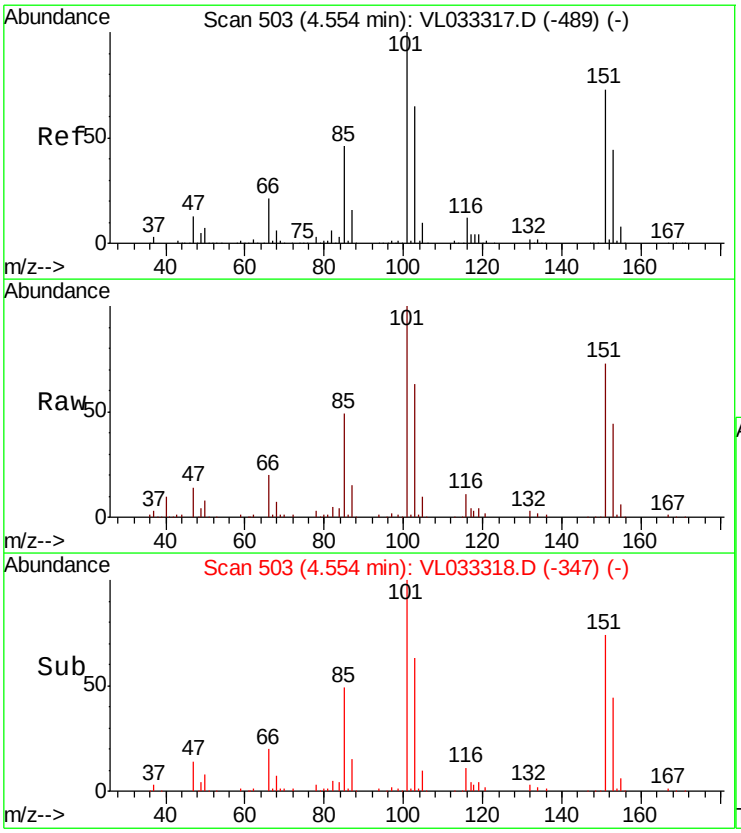
#11
Trichlorofluoromethane
Concen: 1.898 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 314088

Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.8	77.6

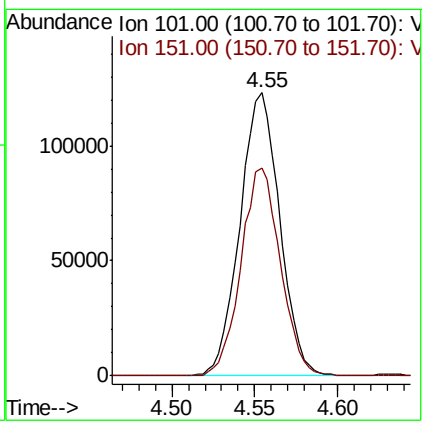


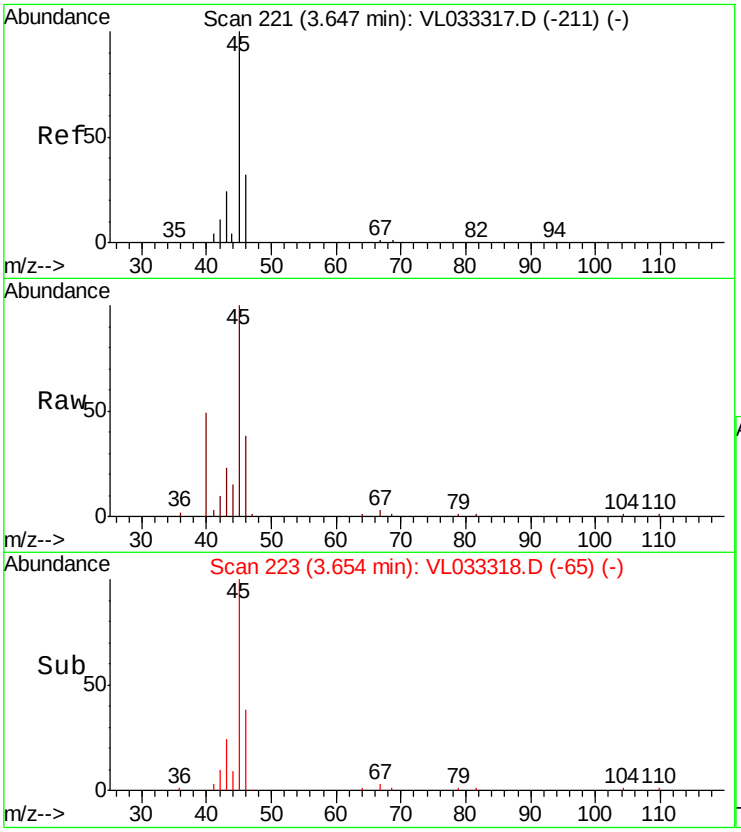


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.842 ppbv
RT: 4.55 min Scan# 503
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion:101 Resp: 205590

Ion	Ratio	Lower	Upper
101	100		
151	72.5	57.2	85.8



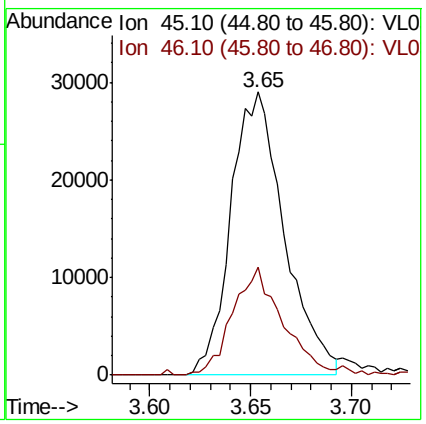


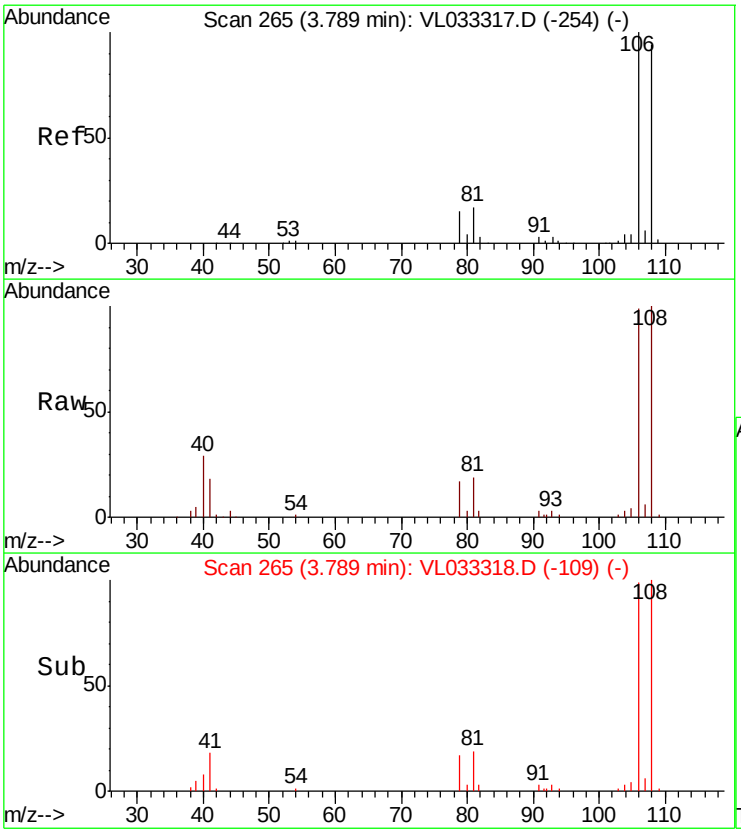
#13
Ethanol
Concen: 3.339 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 45 Resp: 53895

Ion	Ratio	Lower	Upper
45	100		
46	37.0	14.7	58.9

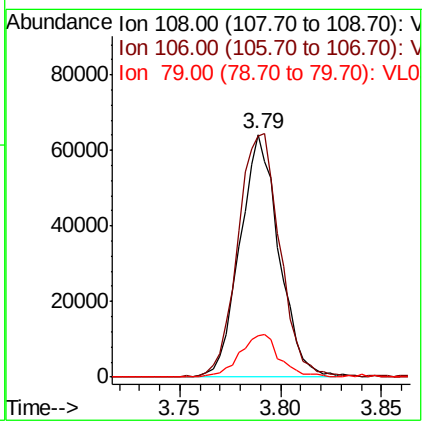


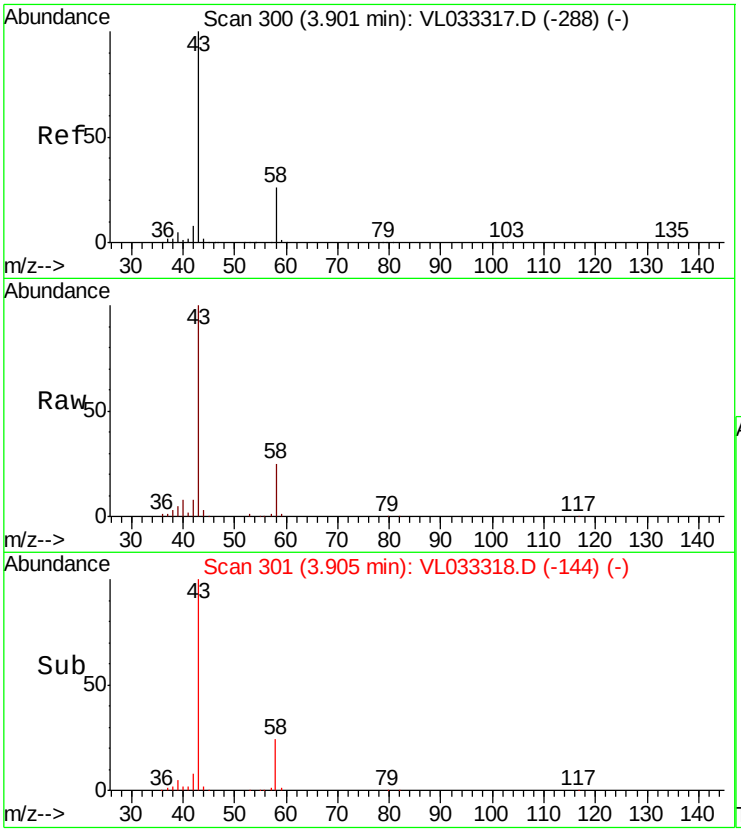


#14
Bromoethene
Concen: 1.871 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion:108 Resp: 87087

Ion	Ratio	Lower	Upper
108	100		
106	109.0	85.1	127.7
79	18.4	14.6	22.0



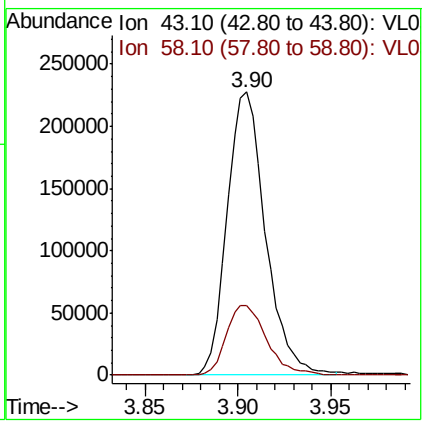


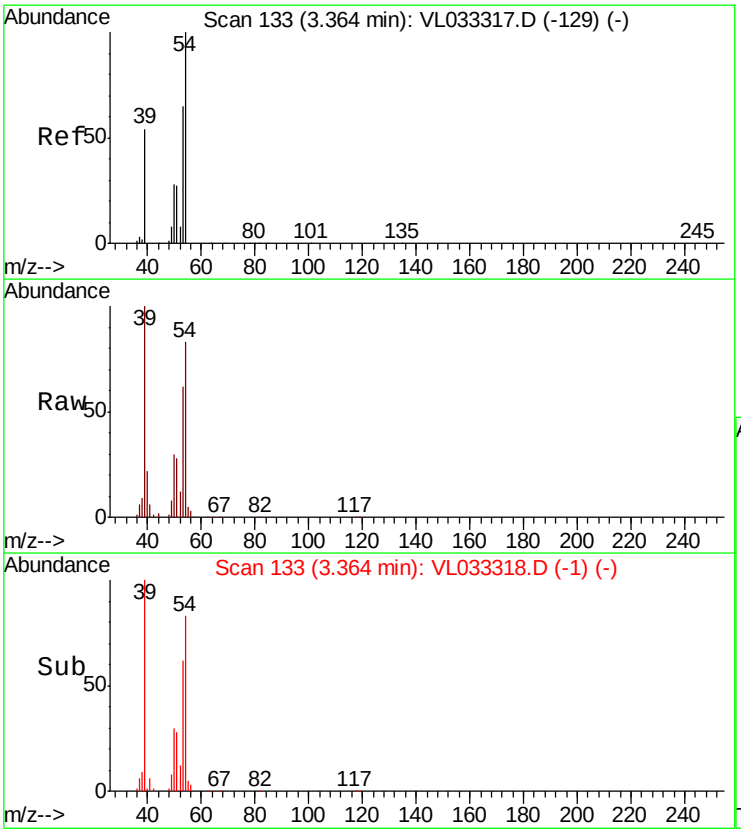
#15
Acetone
Concen: 2.664 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 328162

Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.3	30.5

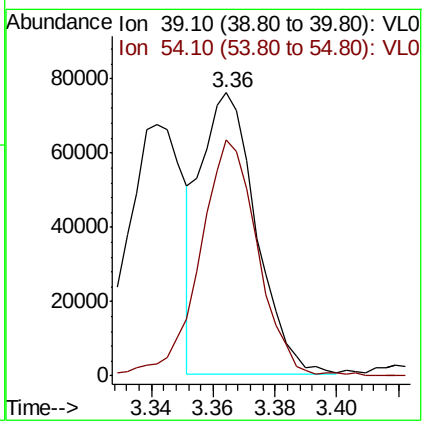


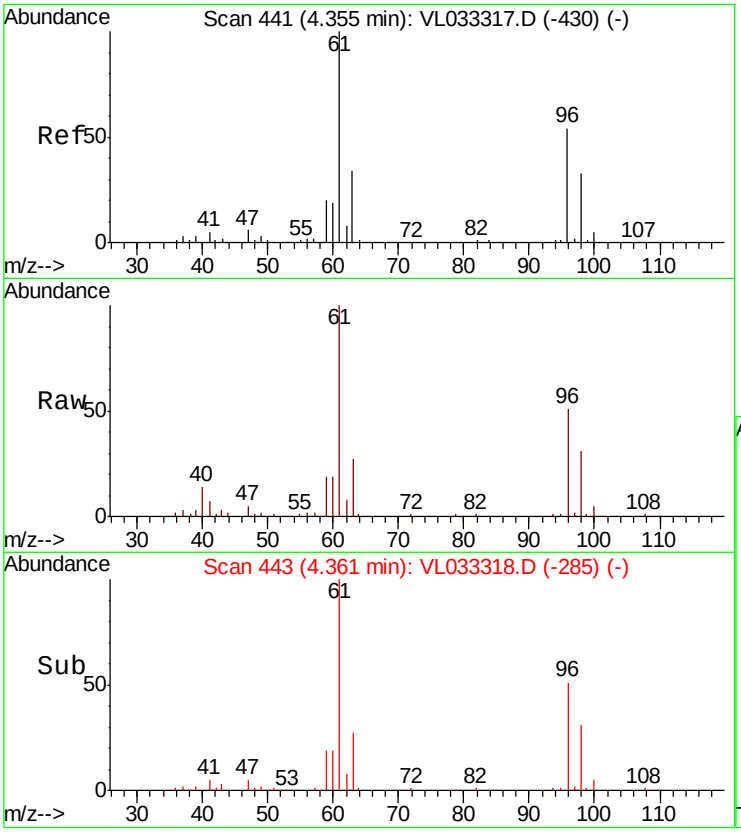


#16
1,3-Butadiene
Concen: 1.908 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 39 Resp: 94258

Ion	Ratio	Lower	Upper
39	100		
54	88.3	74.4	111.6



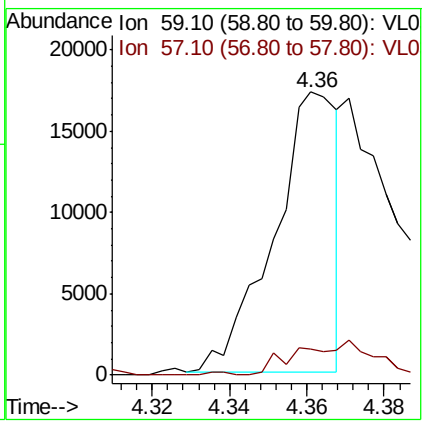


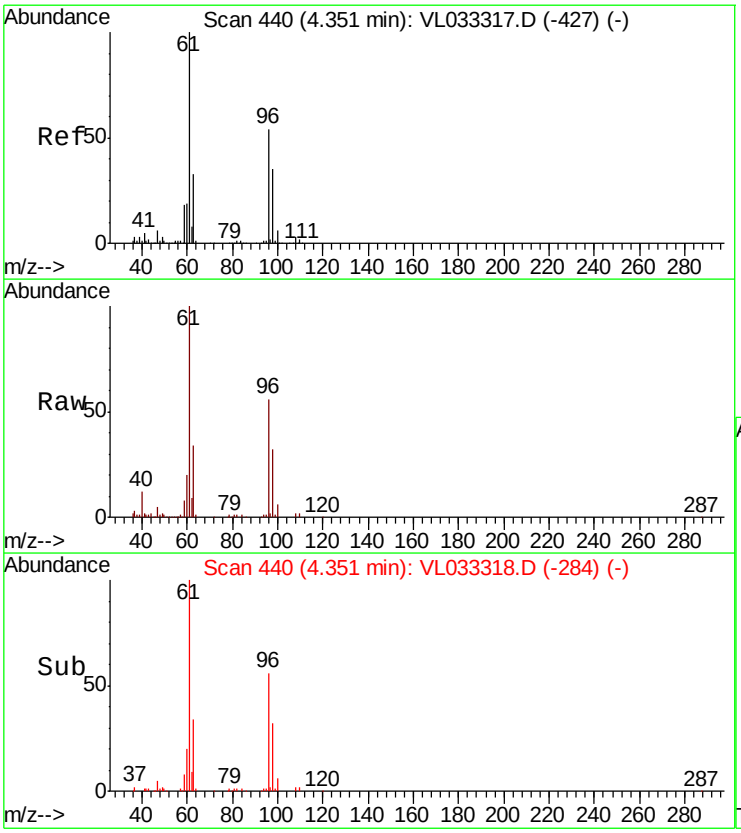
#17
tert-Butyl alcohol
Concen: 0.919 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 19702

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

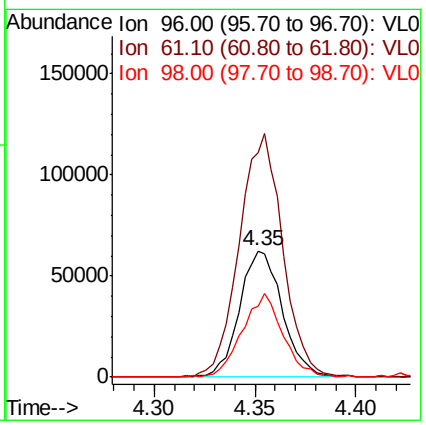


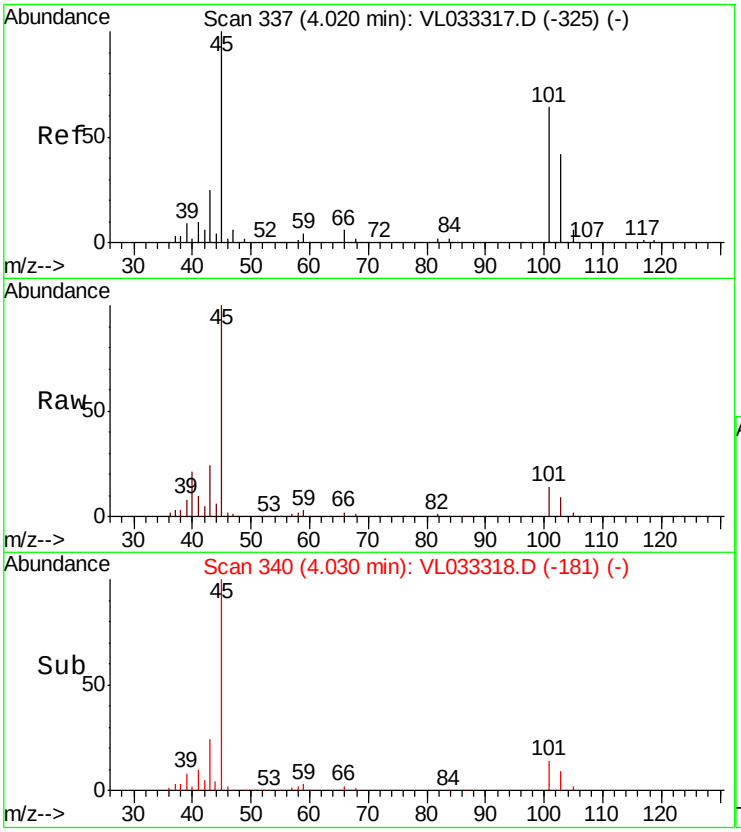


#18
1,1-Dichloroethene
Concen: 1.894 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 96 Resp: 92676

Ion	Ratio	Lower	Upper
96	100		
61	176.9	148.9	223.3
98	56.1	51.4	77.0



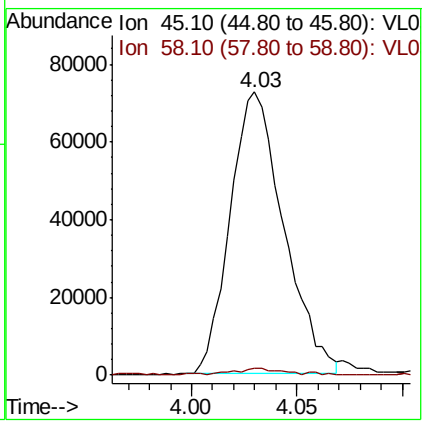


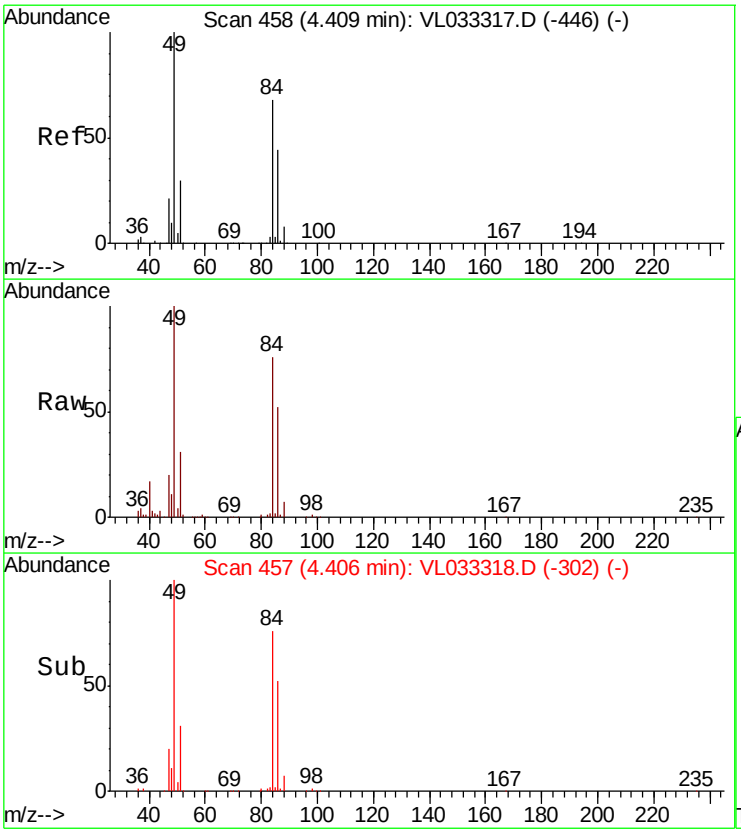
#19
Isopropyl Alcohol
Concen: 1.686 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 45 Resp: 127605

Ion	Ratio	Lower	Upper
45	100		
58	2.6	1.6	2.4#

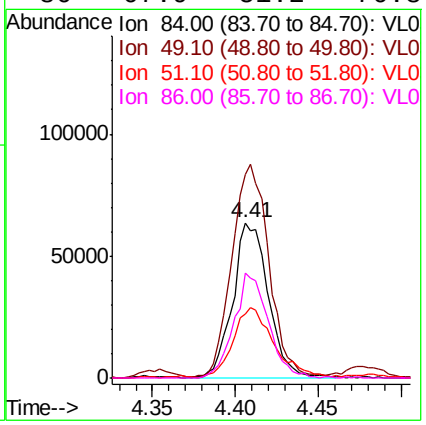


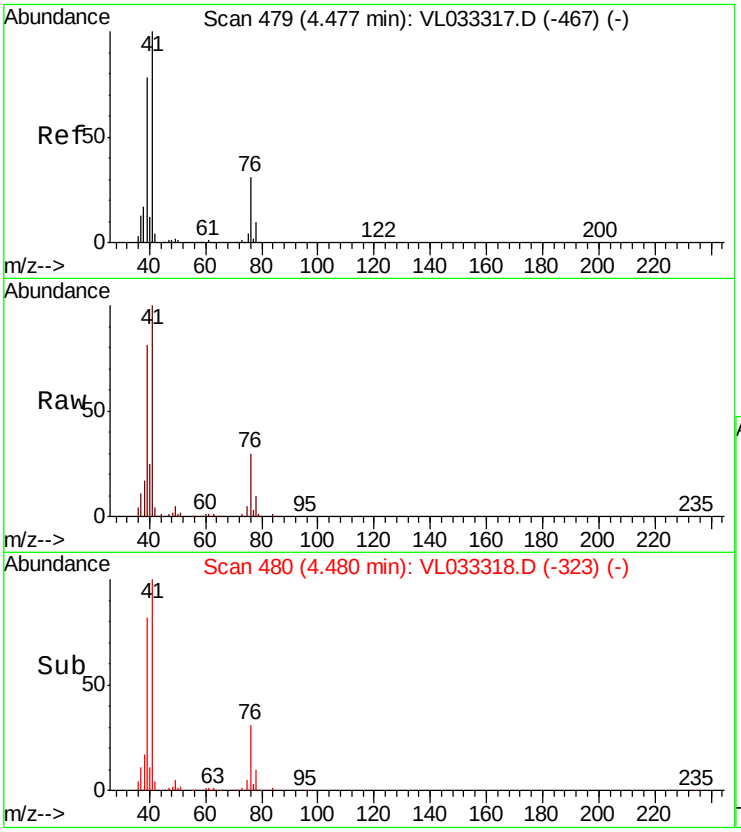


#20
Methylene Chloride
Concen: 1.908 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 84 Resp: 94465

Ion	Ratio	Lower	Upper
84	100		
49	130.4	117.0	175.6
51	40.3	35.3	52.9
86	67.9	51.2	76.8



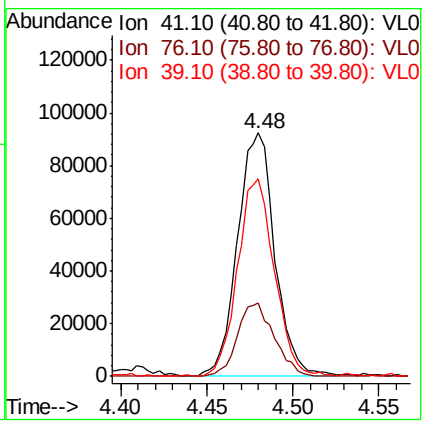


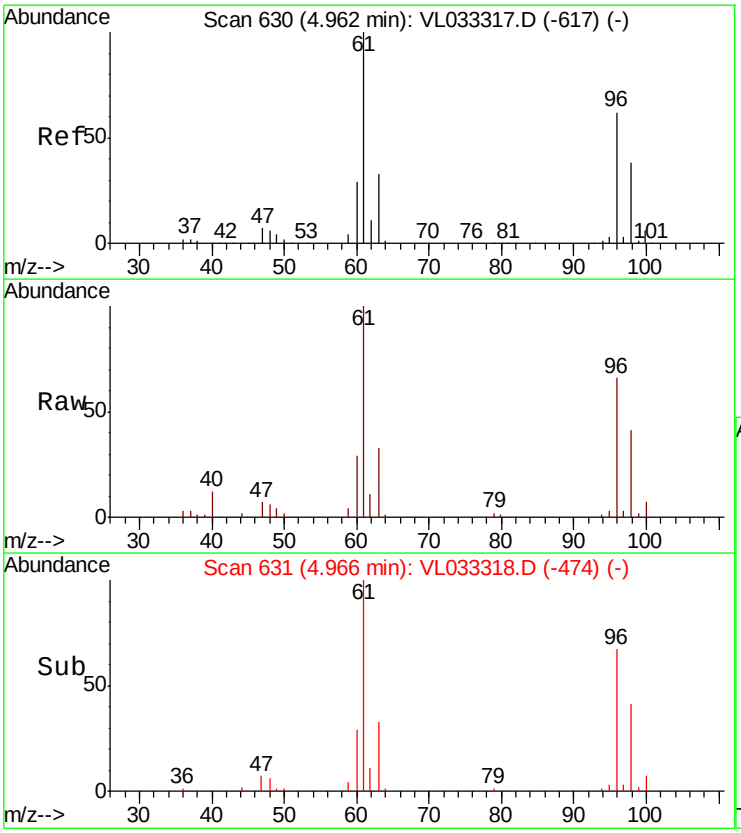
#21
Allyl Chloride
Concen: 1.896 ppbv
RT: 4.48 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 41 Resp: 139540

Ion	Ratio	Lower	Upper
41	100		
76	29.7	24.1	36.1
39	81.0	65.0	97.4

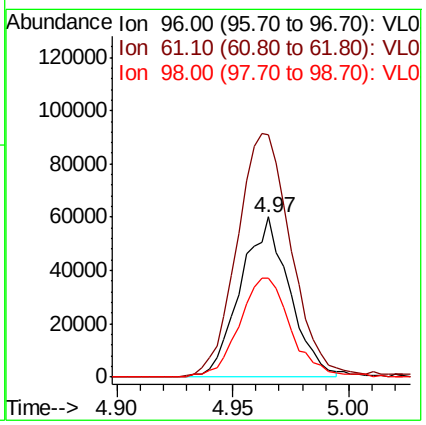


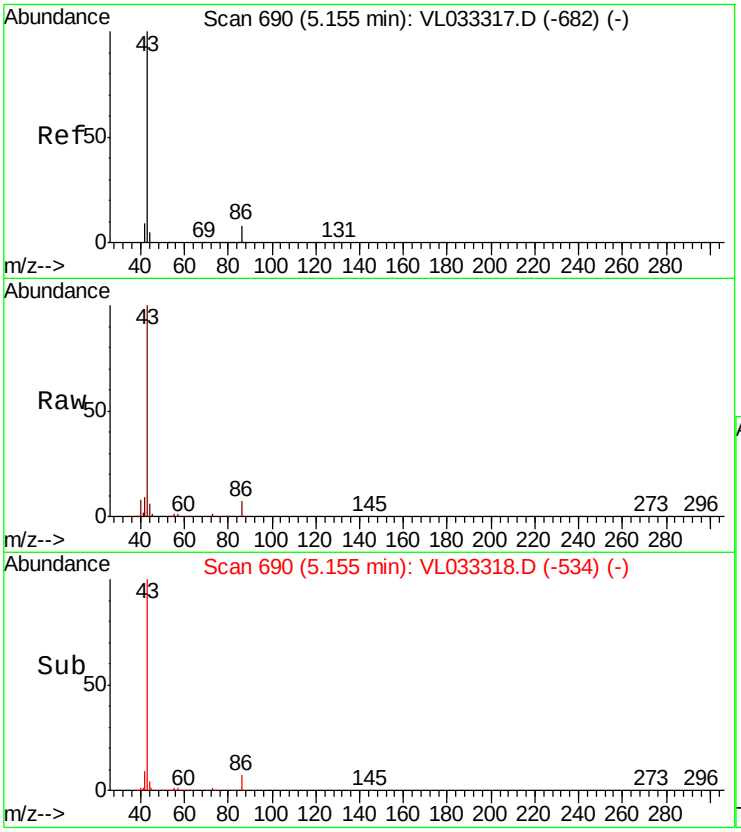


#22
trans-1,2-Dichloroethene
Concen: 1.791 ppbv
RT: 4.97 min Scan# 631
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 96 Resp: 88166

Ion	Ratio	Lower	Upper
96	100		
61	150.0	129.8	194.8
98	61.6	49.2	73.8



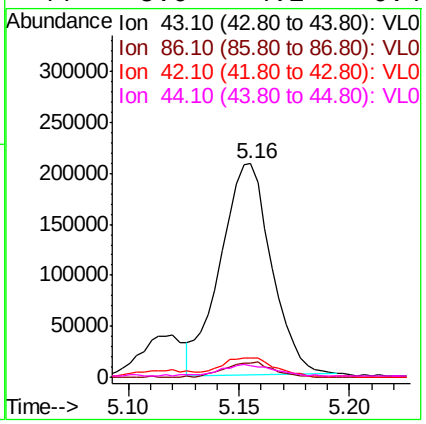


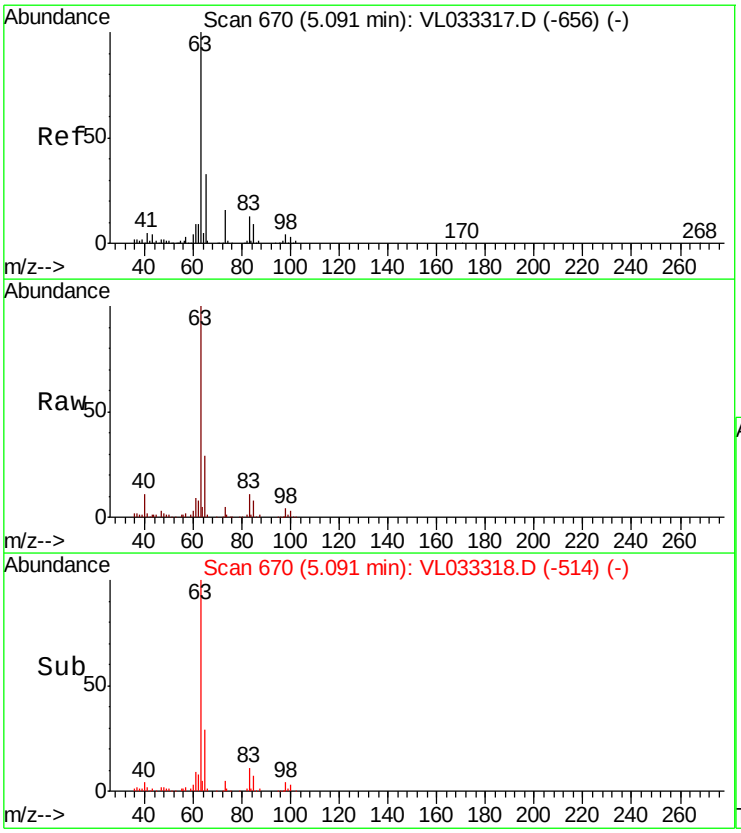
#23
Vinyl Acetate
Concen: 1.905 ppbv
RT: 5.16 min Scan# 690
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 332394

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.6	8.4
42	8.5	7.8	11.6
44	5.0	4.2	6.4

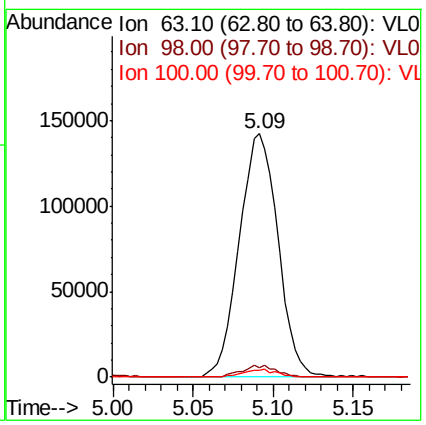


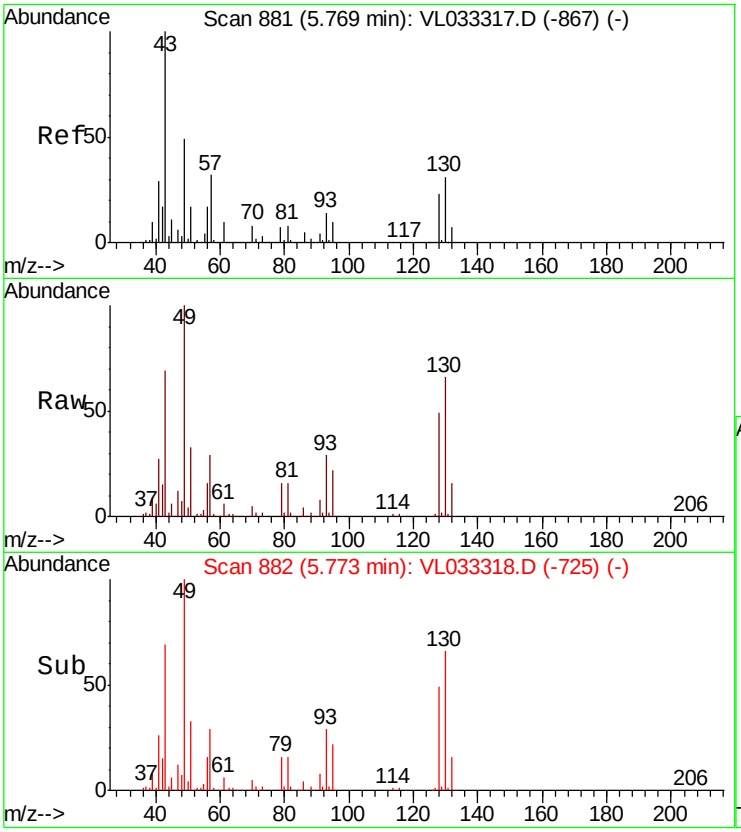


#24
1,1-Dichloroethane
Concen: 1.858 ppbv
RT: 5.09 min Scan# 670
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 63 Resp: 234239

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.2
100	2.8	1.3	3.9



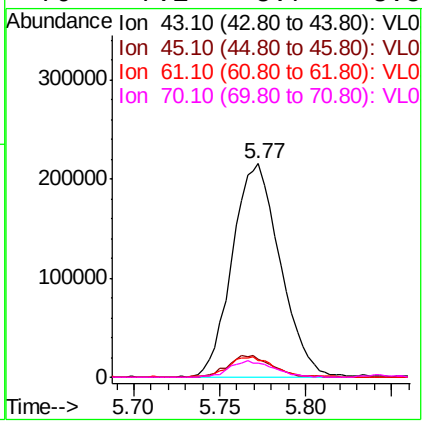


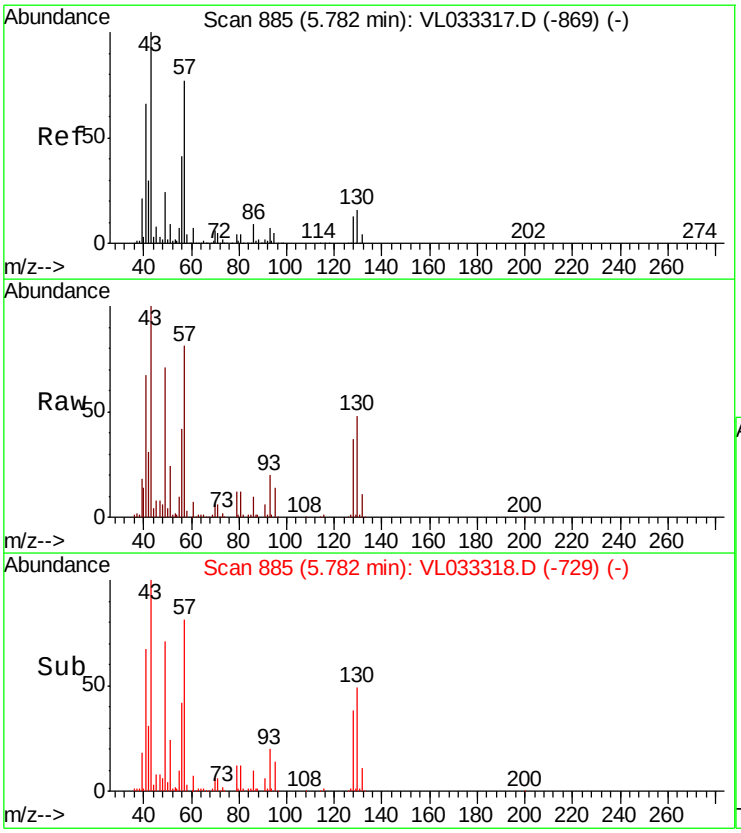
#25
Ethyl Acetate
Concen: 1.870 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 415463

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.8
61	9.1	7.1	10.7
70	7.1	5.7	8.5

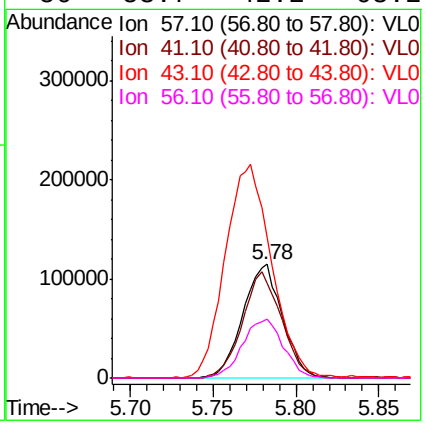


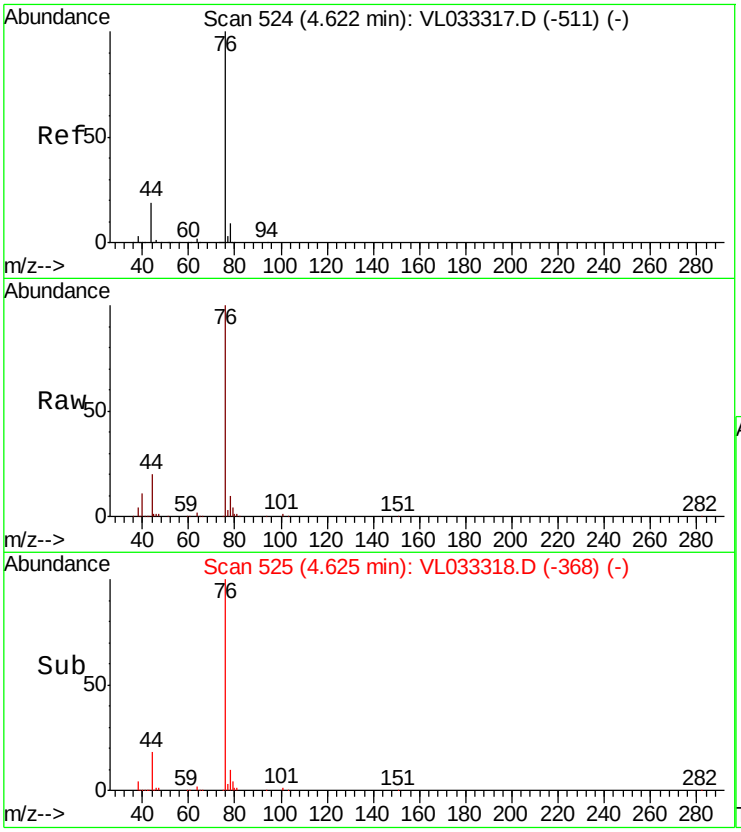


#26
Hexane
Concen: 1.820 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 57 Resp: 189026

Ion	Ratio	Lower	Upper
57	100		
41	92.2	71.8	107.6
43	222.7	182.1	273.1
56	53.7	42.2	63.2



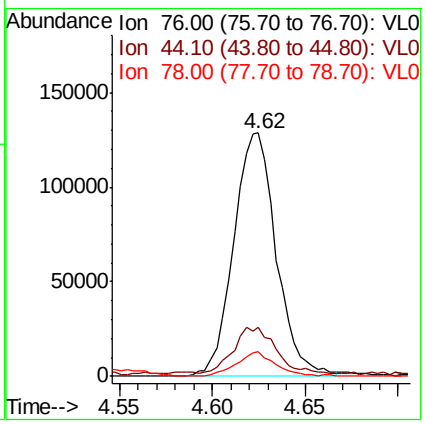


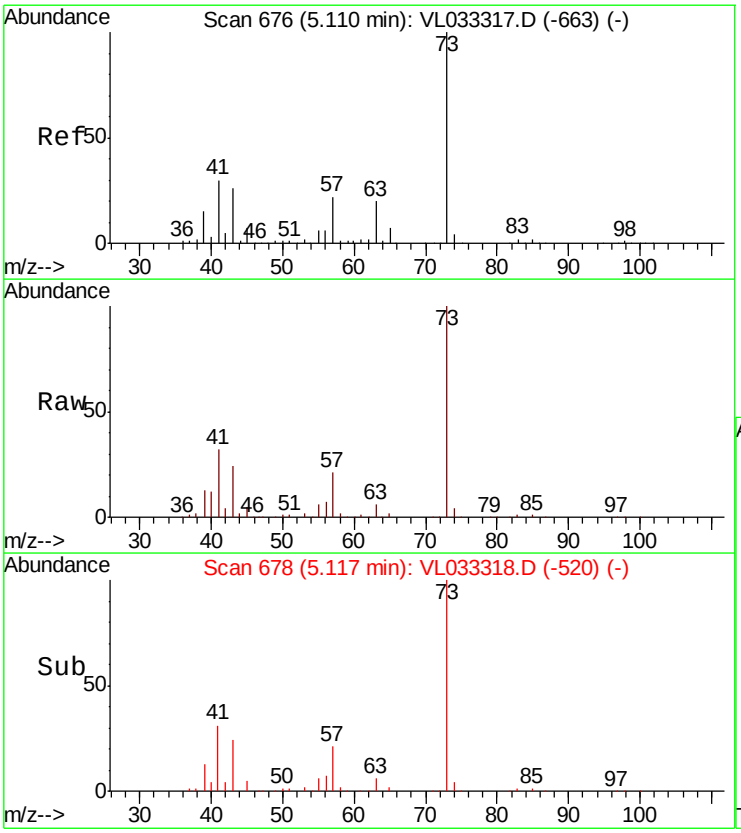
#27
Carbon Disulfide
Concen: 1.856 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 76 Resp: 204913

Ion	Ratio	Lower	Upper
76	100		
44	21.2	15.0	22.6
78	9.4	7.4	11.2

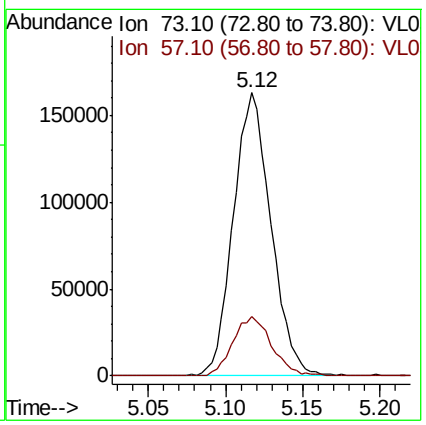


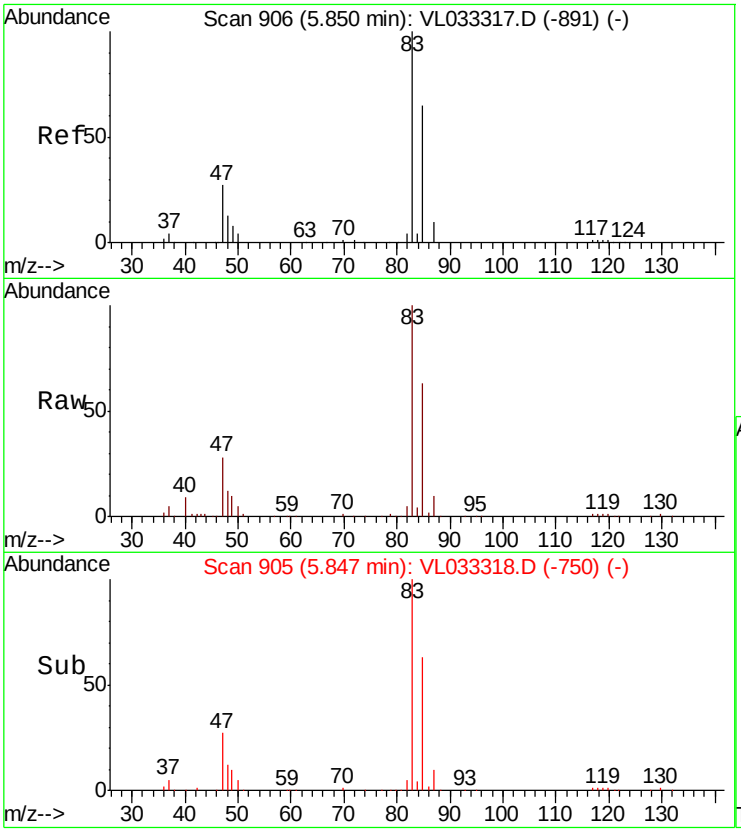


#28
Methyl tert-Butyl Ether
Concen: 1.885 ppbv
RT: 5.12 min Scan# 678
Delta R.T. 0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 73 Resp: 274903

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.8	26.6



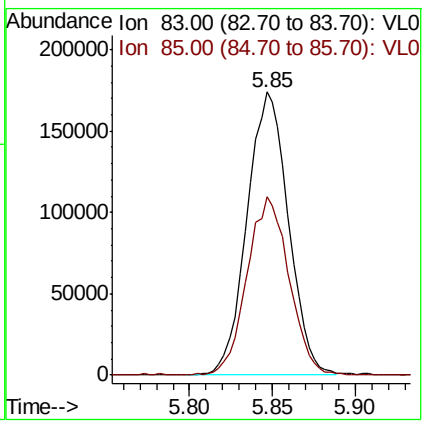


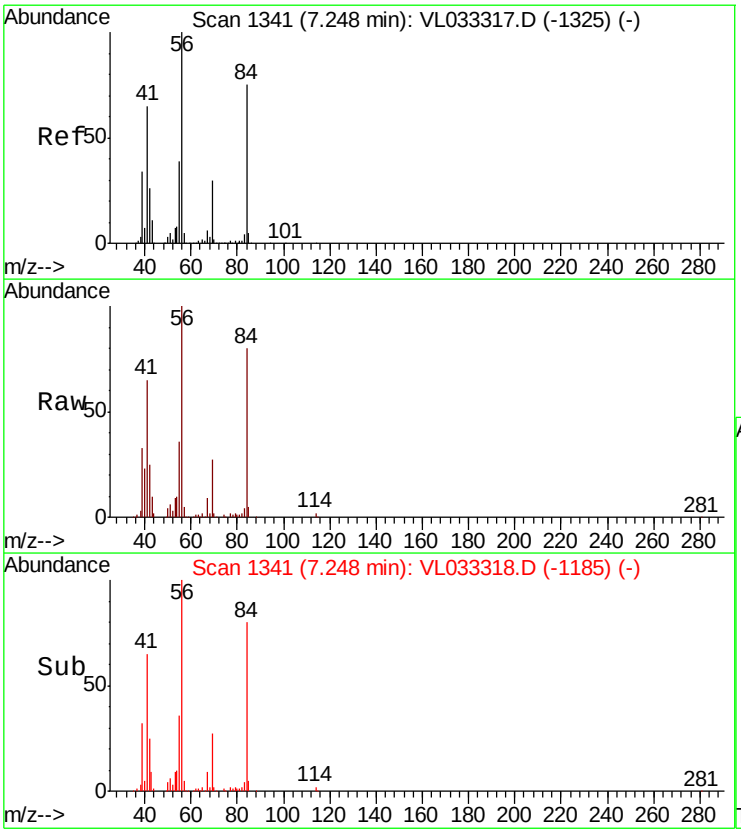
#29
Chloroform
Concen: 1.858 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 301184

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.8

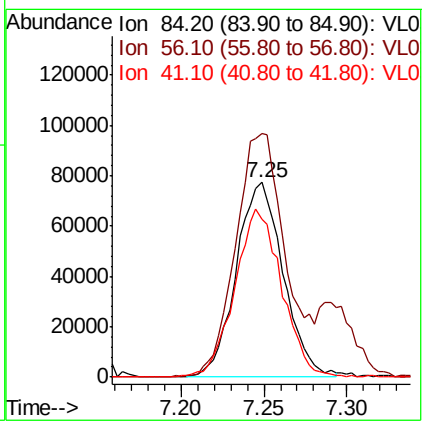


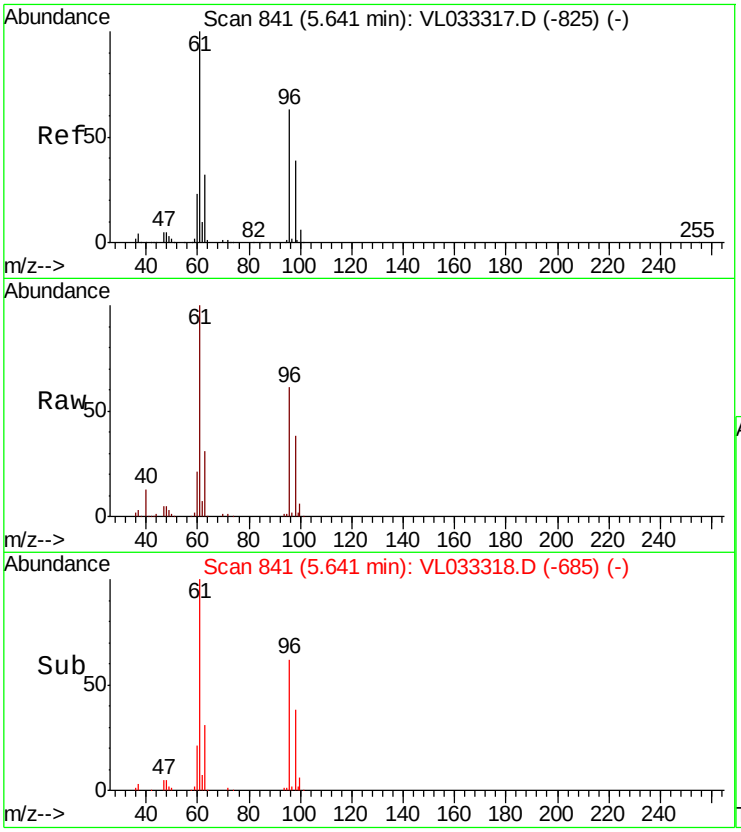


#30
Cyclohexane
Concen: 1.908 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 84 Resp: 152692

Ion	Ratio	Lower	Upper
84	100		
56	163.0	111.0	166.6
41	86.3	69.1	103.7



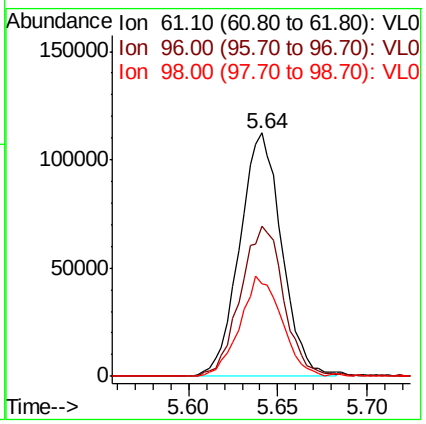


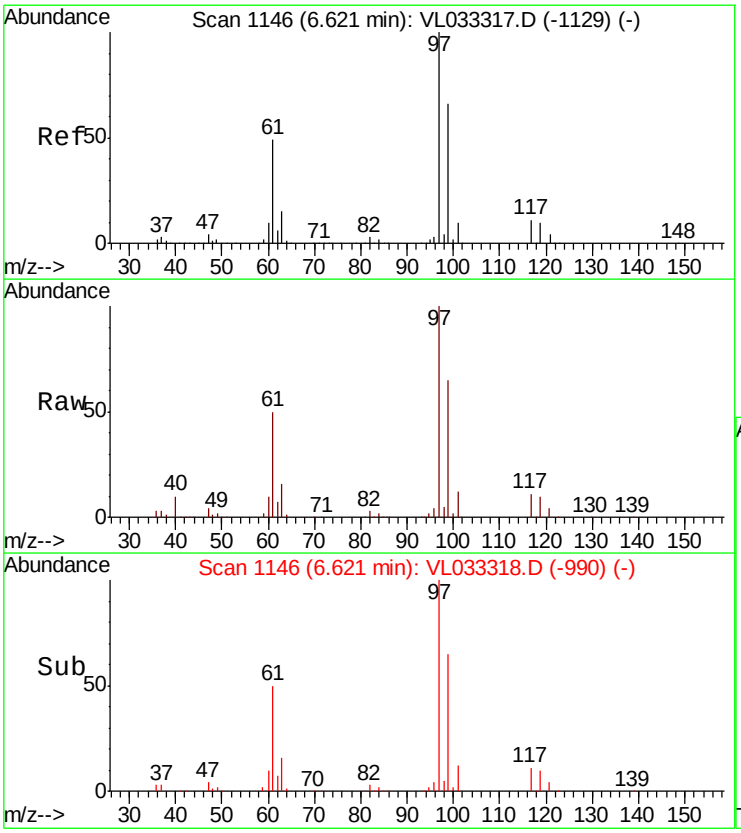
#31
cis-1,2-Dichloroethene
Concen: 1.856 ppbv
RT: 5.64 min Scan# 841
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 183658

Ion	Ratio	Lower	Upper
61	100		
96	61.4	50.5	75.7
98	37.8	31.1	46.7

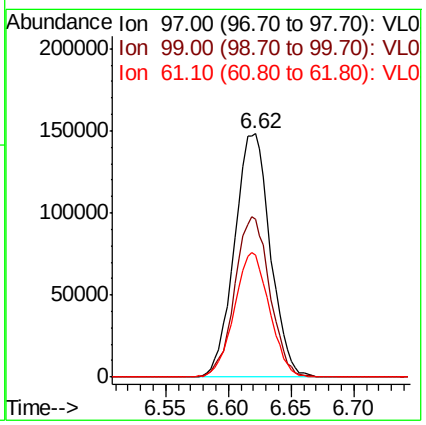


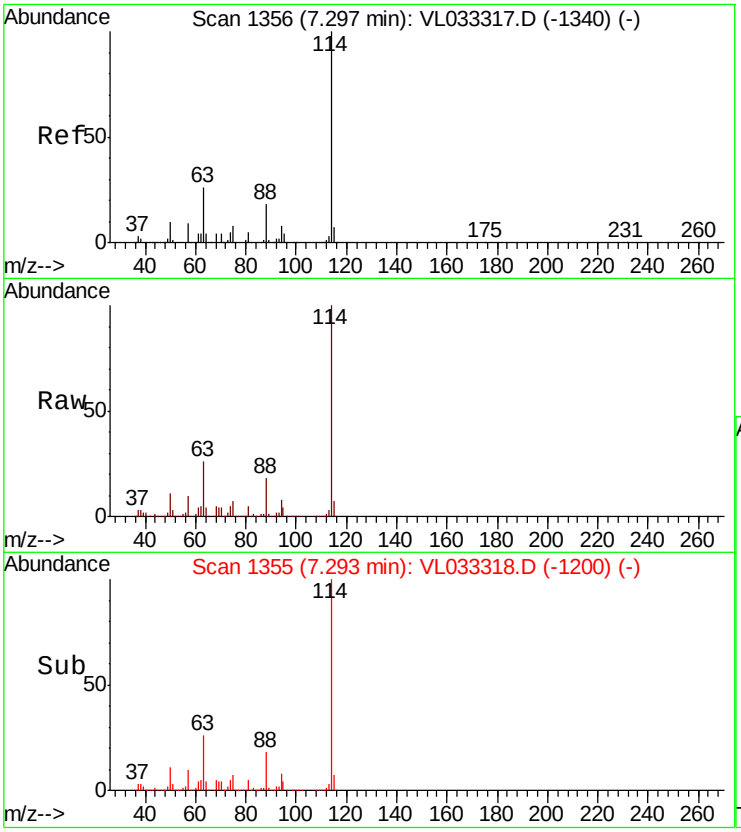


#32
1,1,1-Trichloroethane
Concen: 1.859 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 97 Resp: 294242

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.8
61	50.5	39.6	59.4



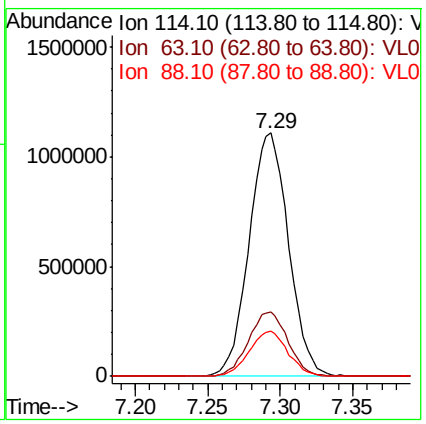


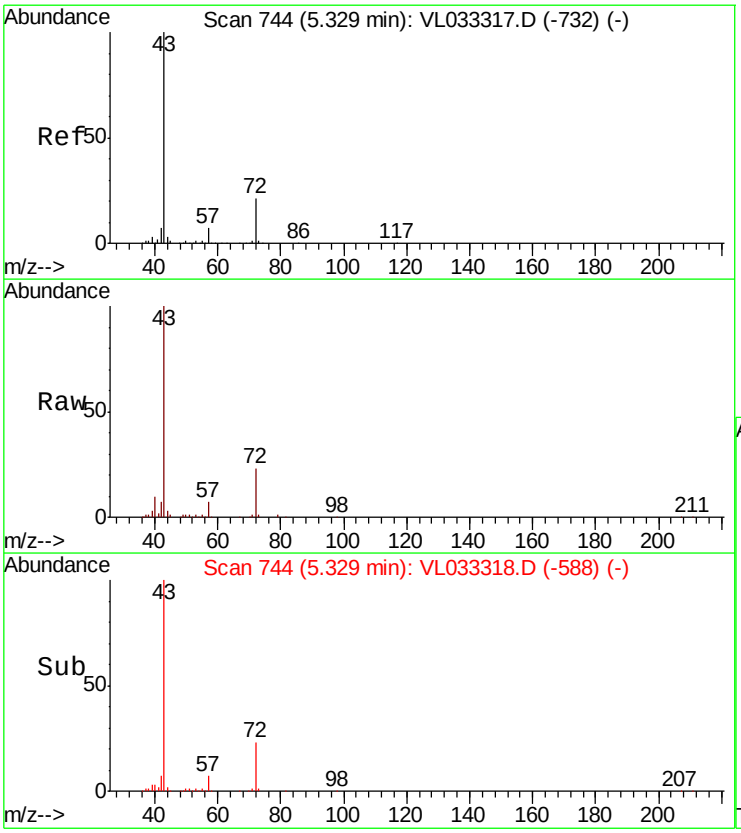
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 2096670

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.5	32.3
88	18.2	14.6	22.0

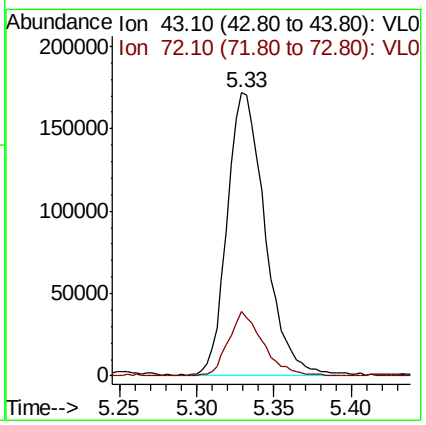


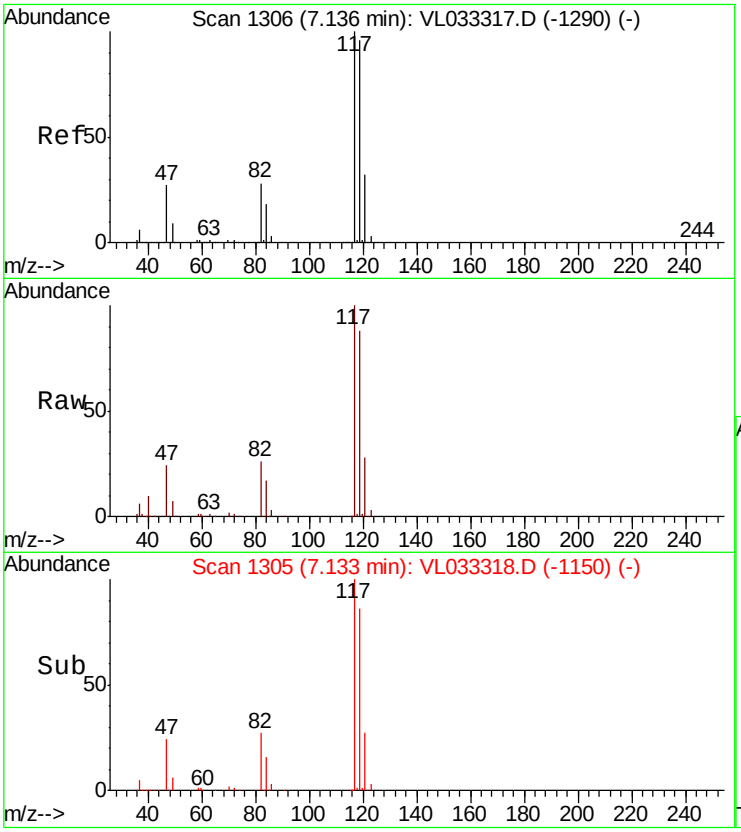


#34
2-Butanone
Concen: 2.053 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 43 Resp: 289922

Ion	Ratio	Lower	Upper
43	100		
72	21.4	17.1	25.7



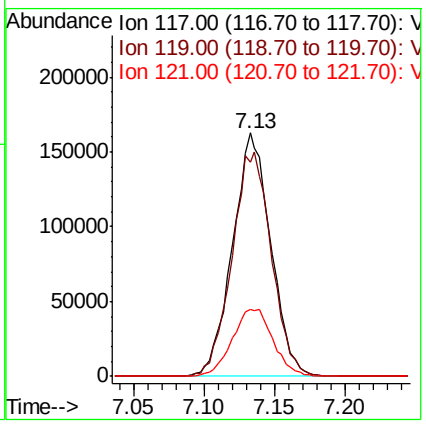


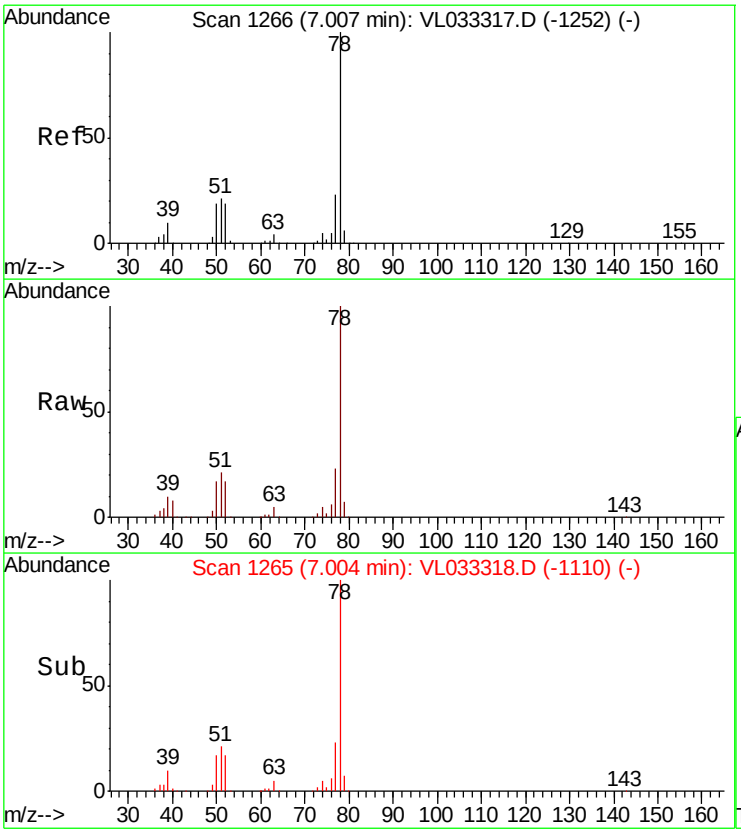
#35
Carbon Tetrachloride
Concen: 1.917 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:117 Resp: 307871

Ion	Ratio	Lower	Upper
117	100		
119	87.5	76.8	115.2
121	27.7	25.2	37.8

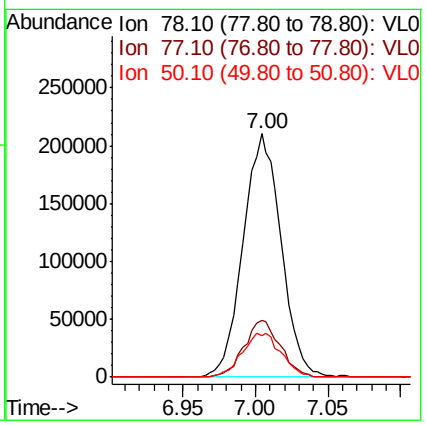


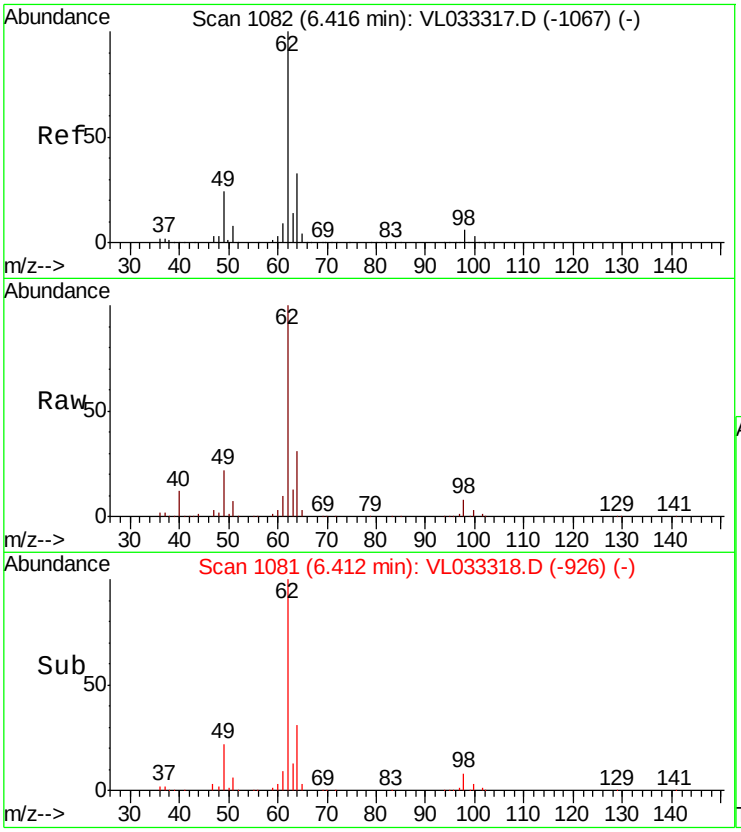


#36
Benzene
Concen: 1.891 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 78 Resp: 383828

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.0	27.0
50	17.2	15.0	22.4



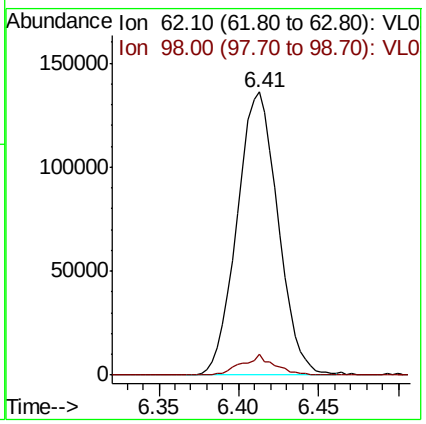


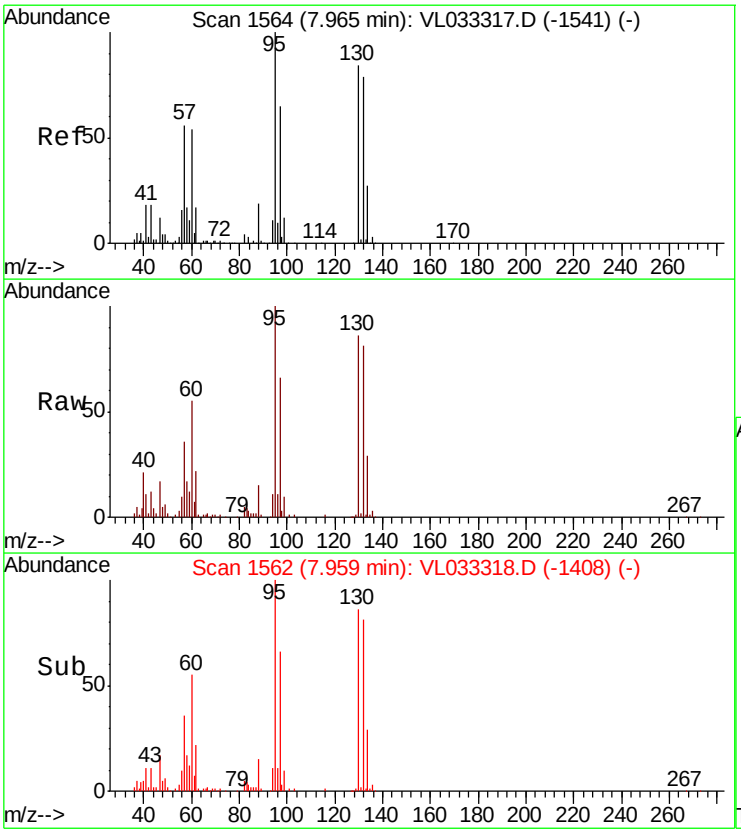
#37
1,2-Dichloroethane
Concen: 1.938 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 62 Resp: 237863

Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.6	6.8

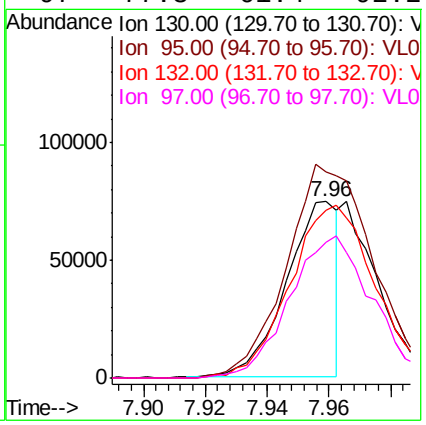


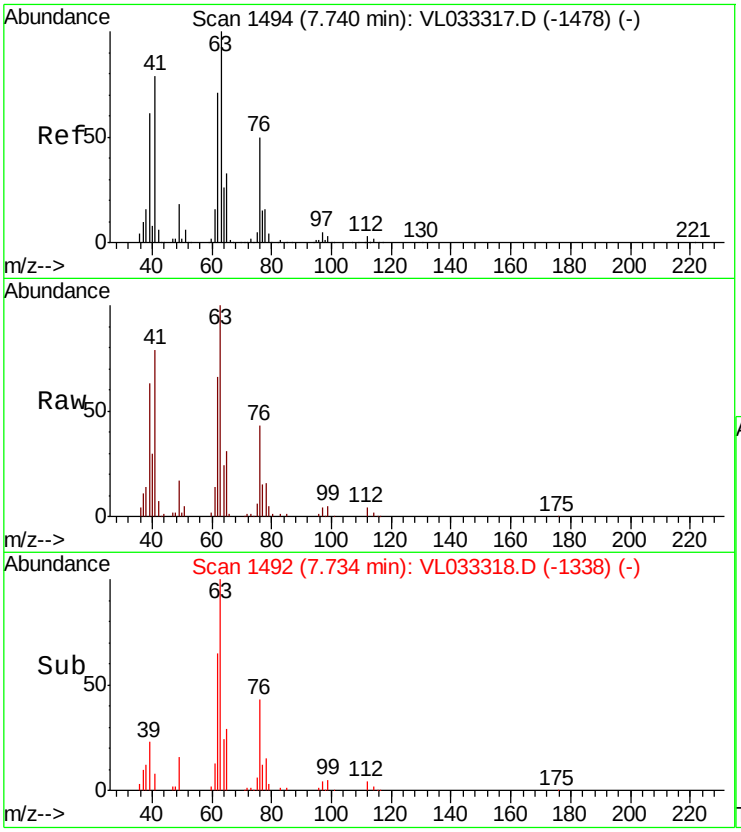


#38
Trichloroethene
Concen: 1.050 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion:130 Resp: 85061

Ion	Ratio	Lower	Upper
130	100		
95	117.8	94.9	142.3
132	95.5	75.4	113.0
97	77.3	61.4	92.2



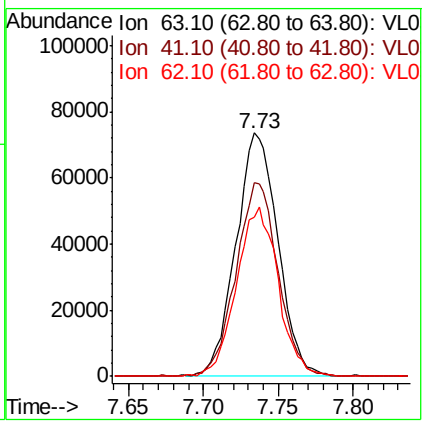


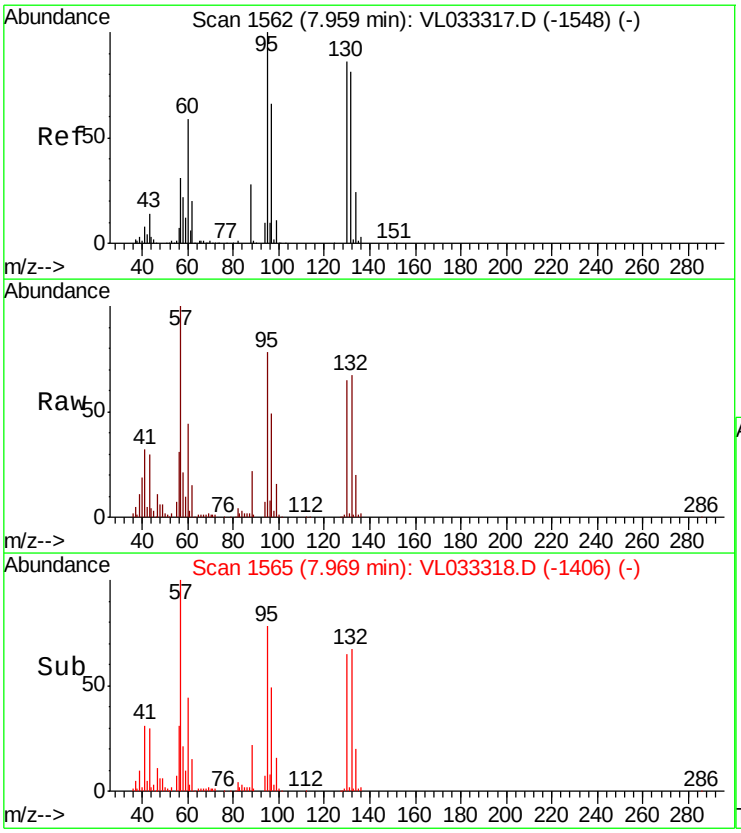
#39
1,2-Dichloropropane
Concen: 1.842 ppbv
RT: 7.73 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 63 Resp: 143657

Ion	Ratio	Lower	Upper
63	100		
41	79.0	63.5	95.3
62	65.4	56.5	84.7

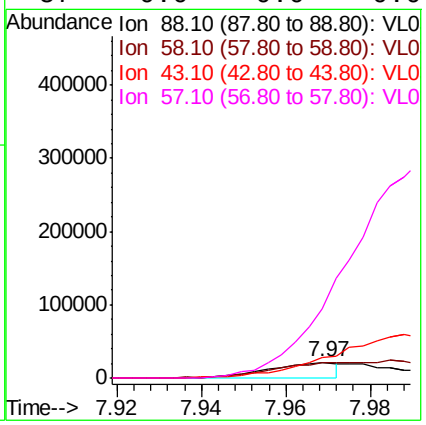


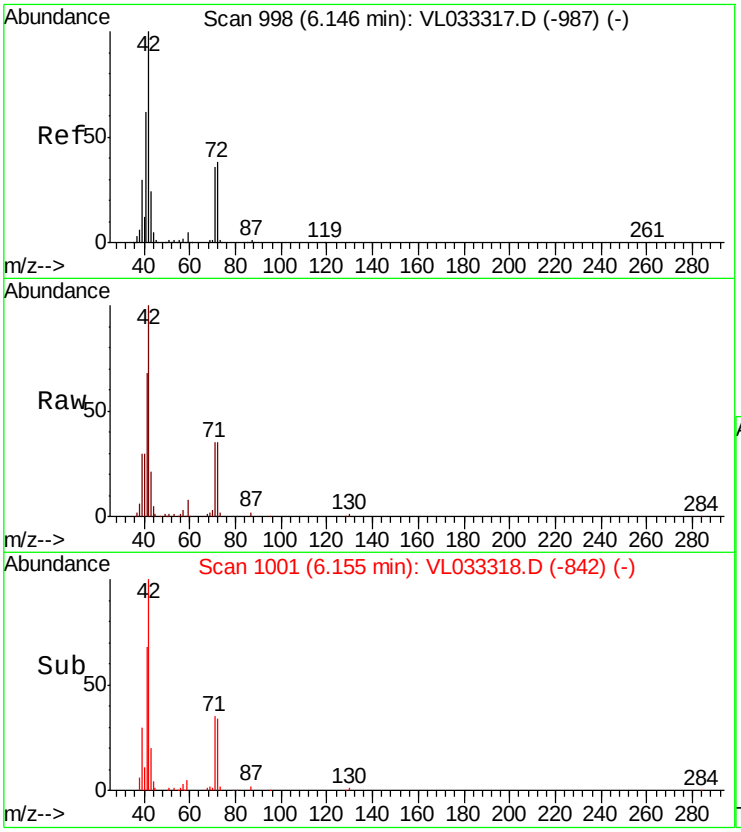


#40
1,4-Dioxane
Concen: 0.862 ppbv
RT: 7.97 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 88 Resp: 24122

Ion	Ratio	Lower	Upper
88	100		
58	0.0	108.7	163.1#
43	0.0	0.0	0.0
57	0.0	0.0	0.0



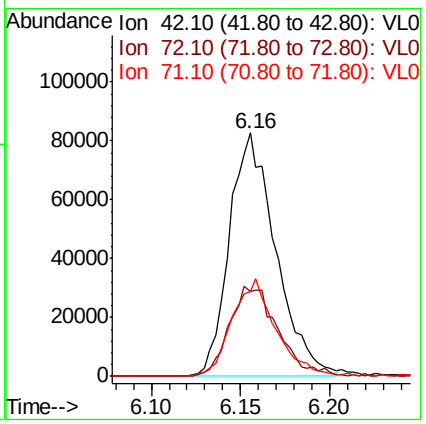


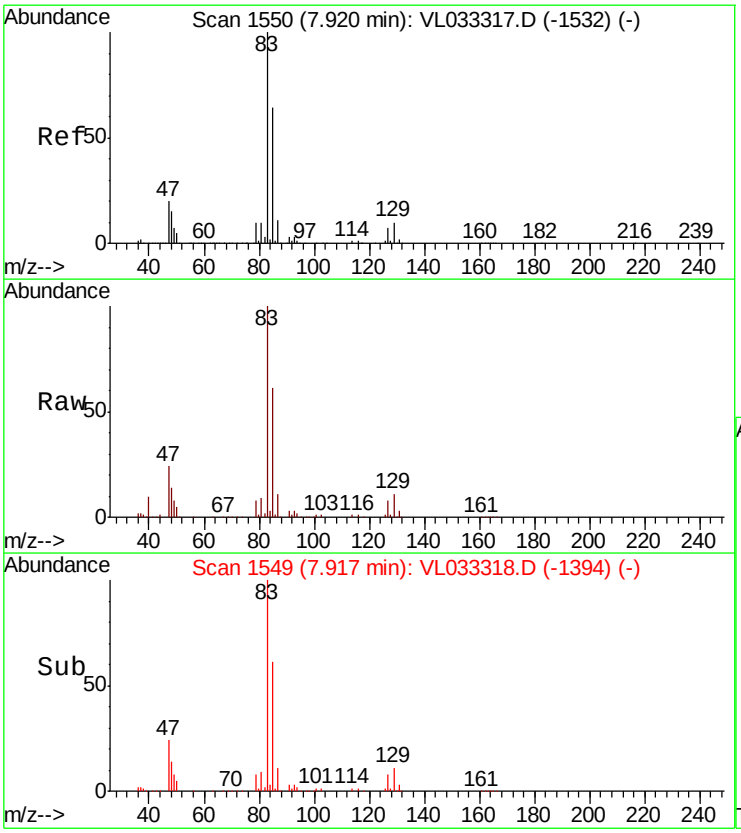
#41
Tetrahydrofuran
Concen: 1.883 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 42 Resp: 149971

Ion	Ratio	Lower	Upper
42	100		
72	39.0	31.2	46.8
71	38.3	29.9	44.9

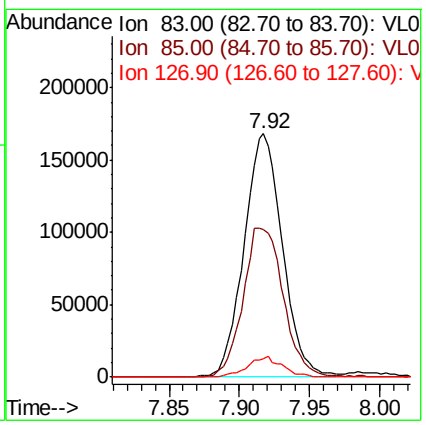


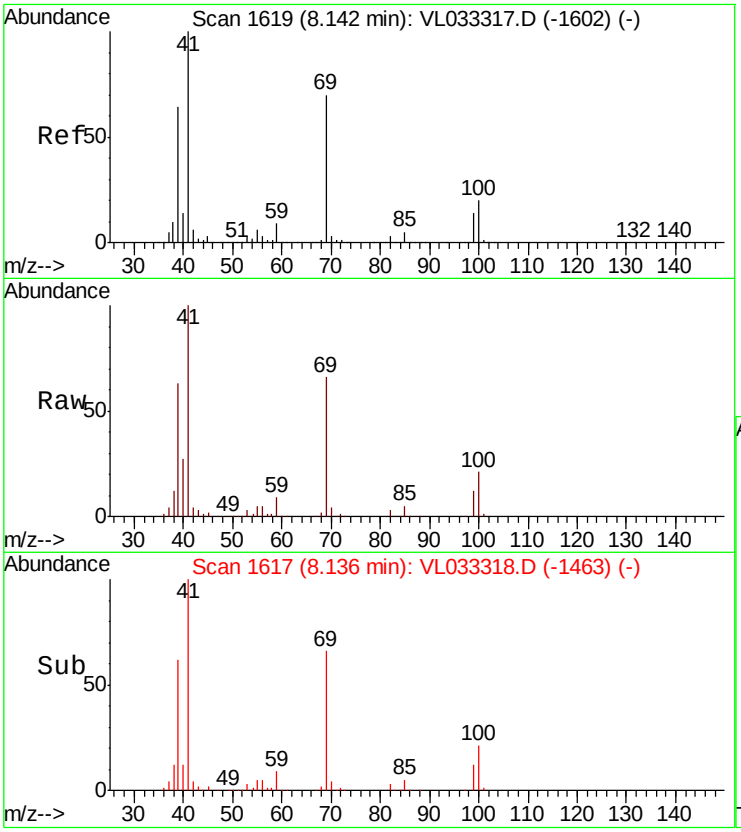


#42
Bromodichloromethane
Concen: 1.866 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 83 Resp: 320925

Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.1	76.7
127	7.7	6.0	9.0



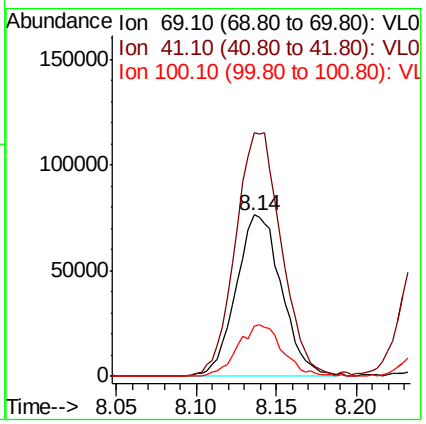


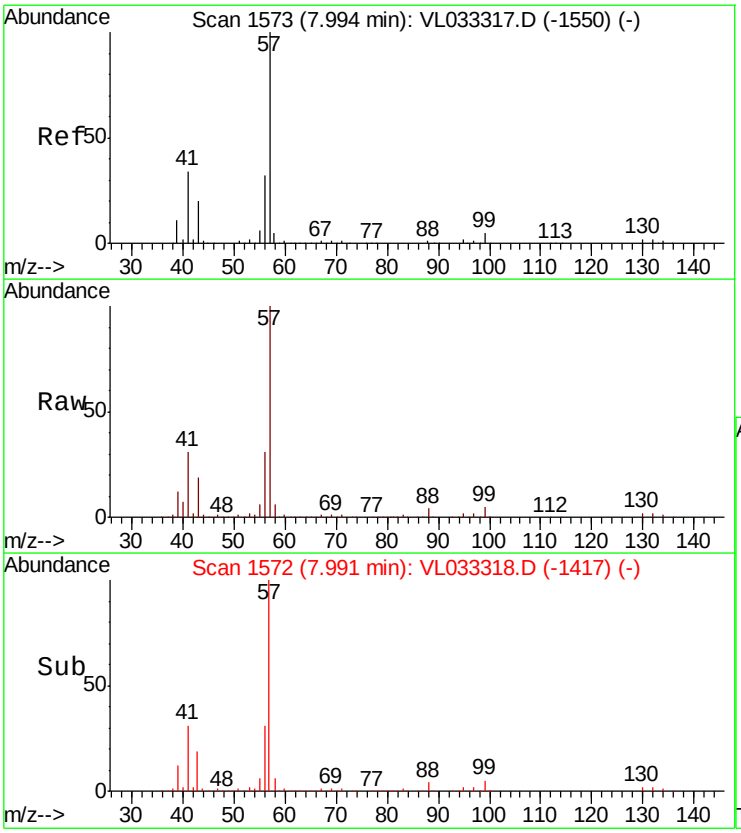
#43
Methyl Methacrylate
Concen: 1.829 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 69 Resp: 147987

Ion	Ratio	Lower	Upper
69	100		
41	152.9	119.0	178.4
100	31.4	24.3	36.5

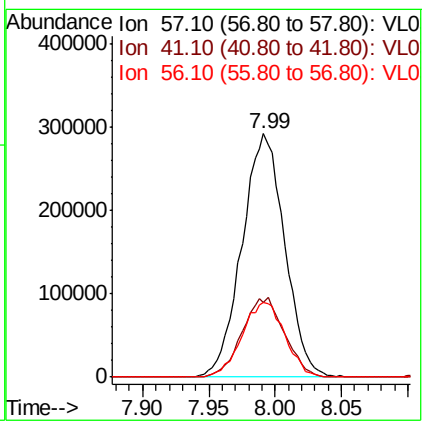


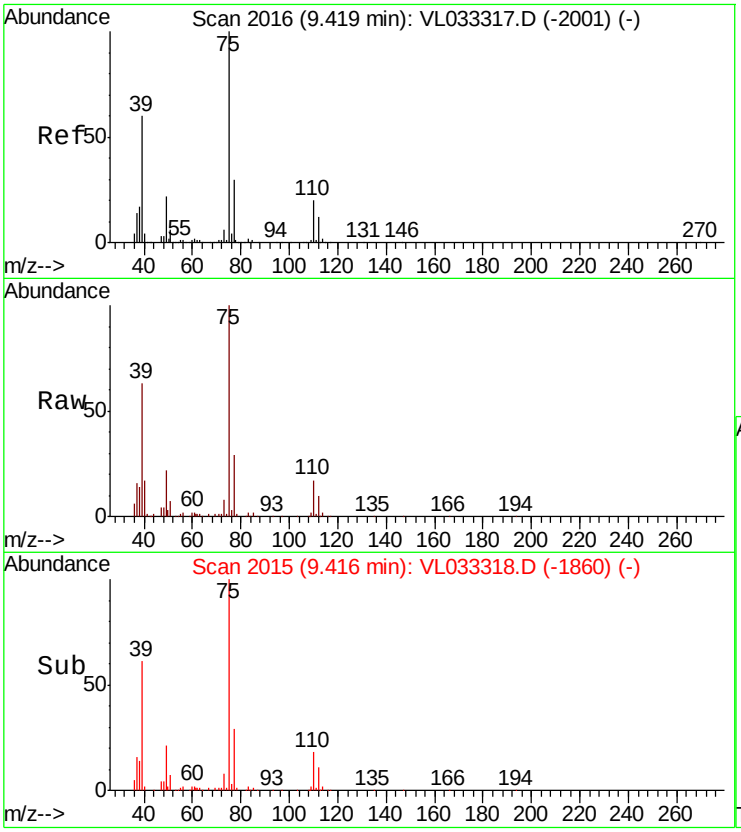


#44
2,2,4-Trimethylpentane
Concen: 1.876 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 57 Resp: 653148

Ion	Ratio	Lower	Upper
57	100		
41	32.4	26.1	39.1
56	31.1	24.7	37.1



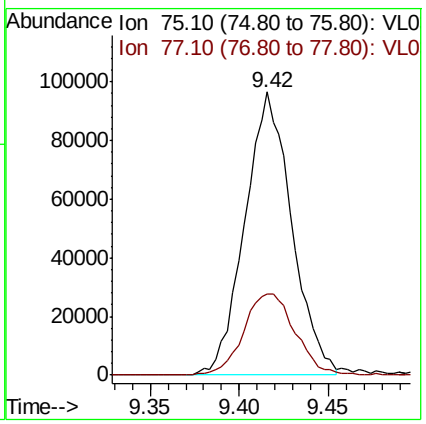


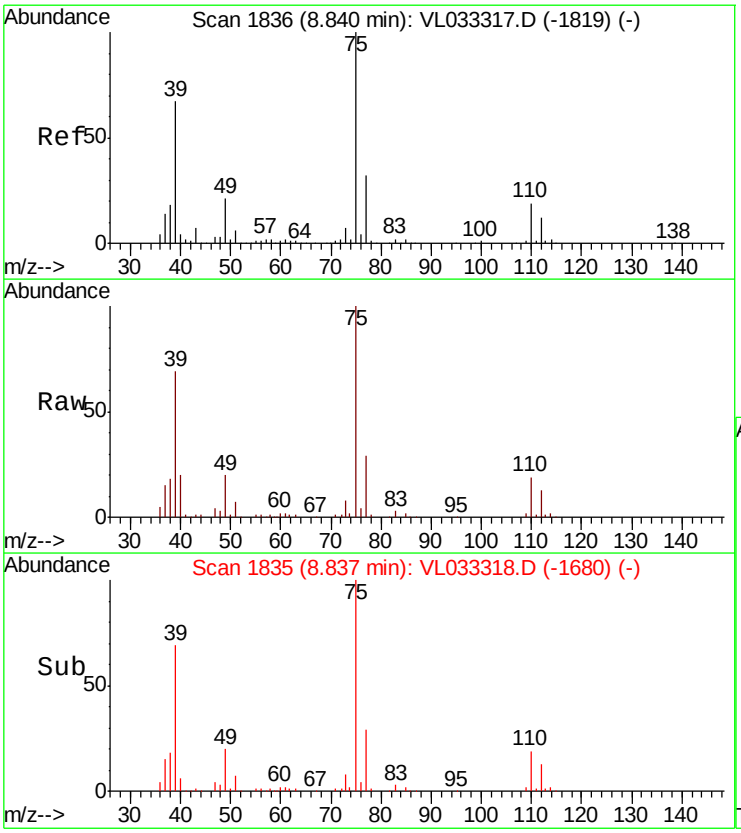
#45
t-1,3-Dichloropropene
Concen: 1.866 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 177139

Ion	Ratio	Lower	Upper
75	100		
77	28.6	24.2	36.4

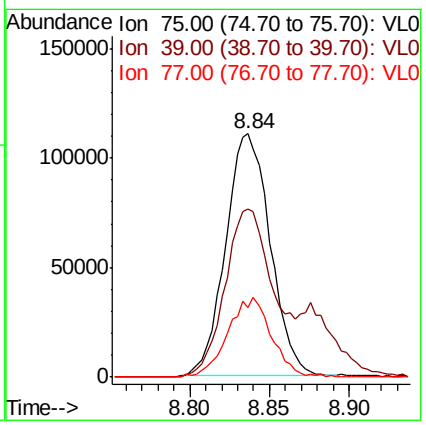


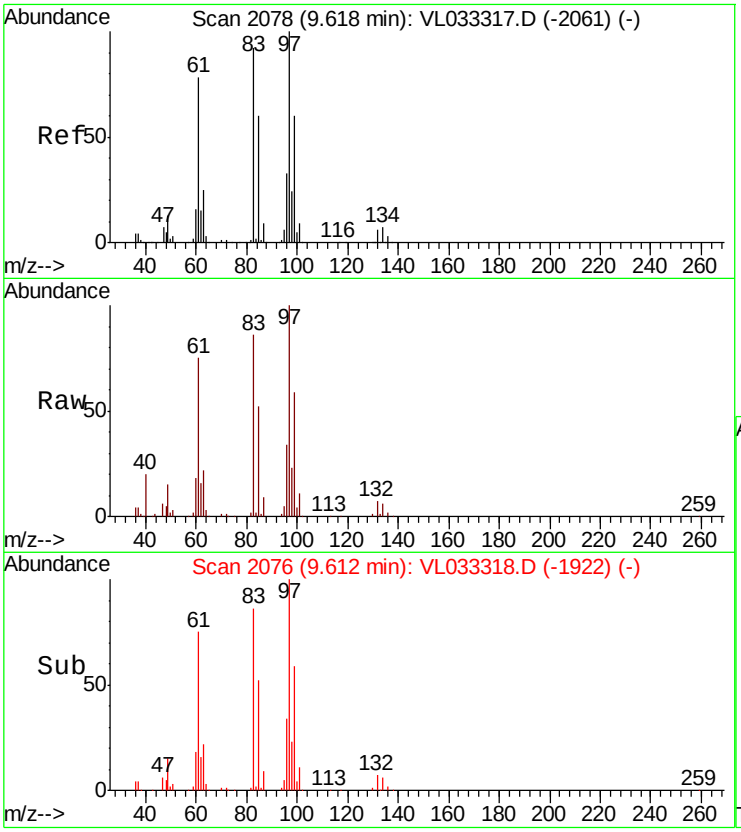


#46
cis-1,3-Dichloropropene
Concen: 1.839 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 75 Resp: 210236

Ion	Ratio	Lower	Upper
75	100		
39	68.4	53.7	80.5
77	28.6	25.5	38.3



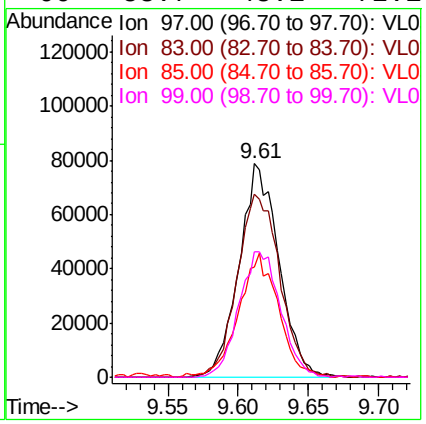


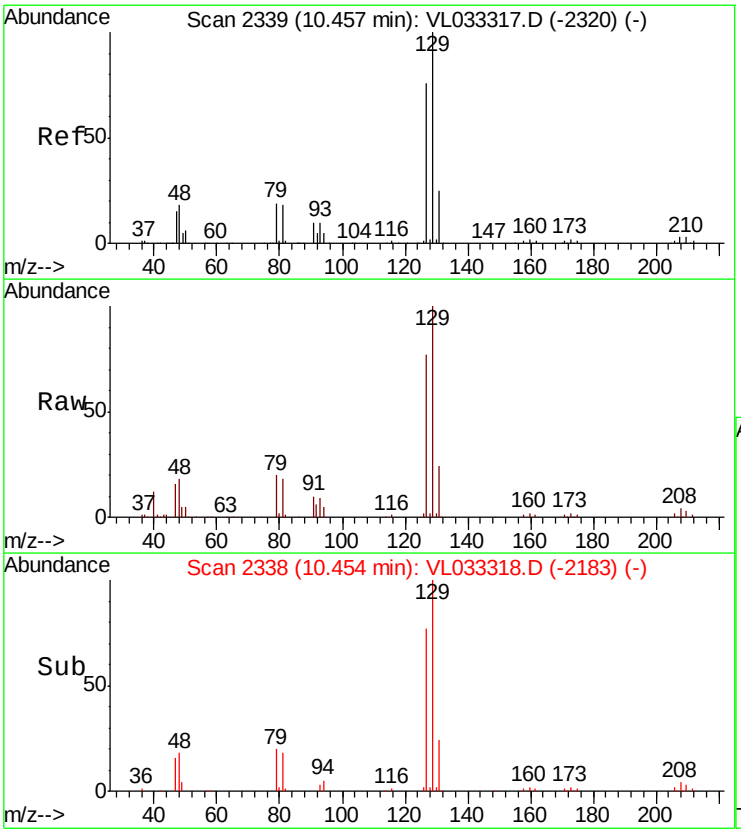
#47
1,1,2-Trichloroethane
Concen: 1.865 ppbv
RT: 9.61 min Scan# 2076
Delta R.T. -0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 97 Resp: 155520

Ion	Ratio	Lower	Upper
97	100		
83	85.8	73.6	110.4
85	51.5	48.0	72.0
99	58.7	48.1	72.1

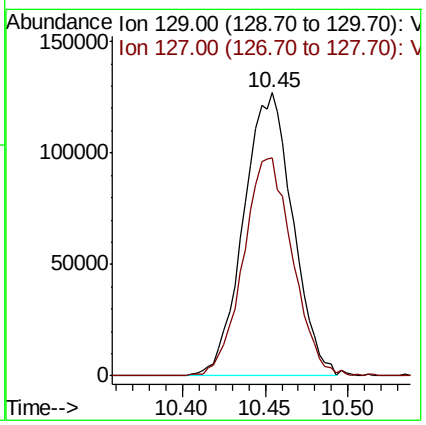


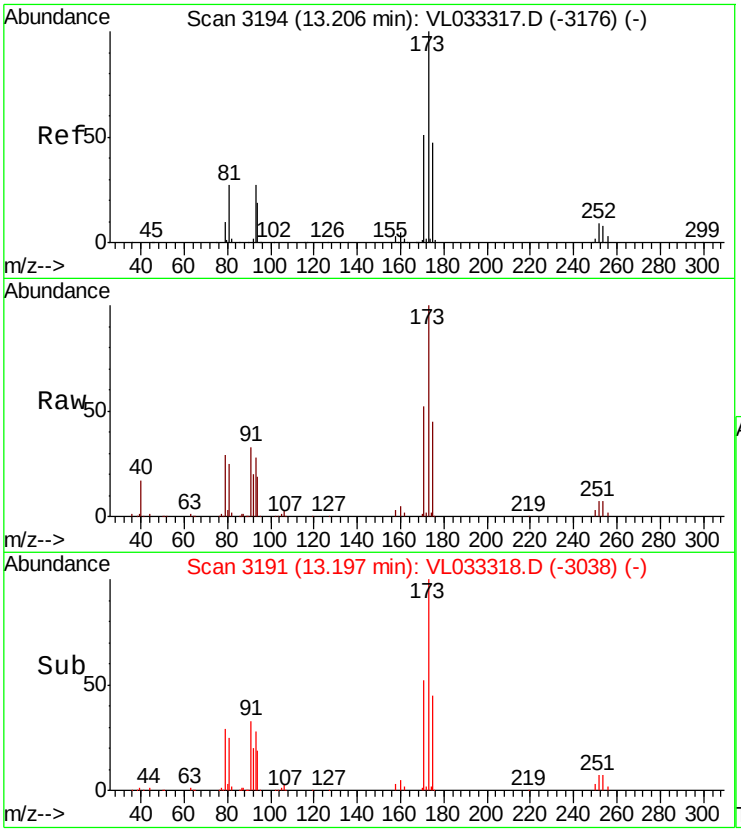


#48
Dibromochloromethane
Concen: 1.859 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion:129 Resp: 261799

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.7	116.1



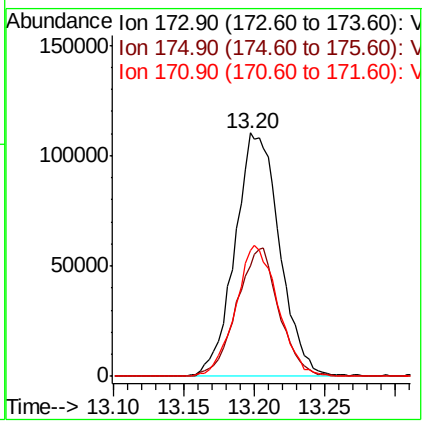


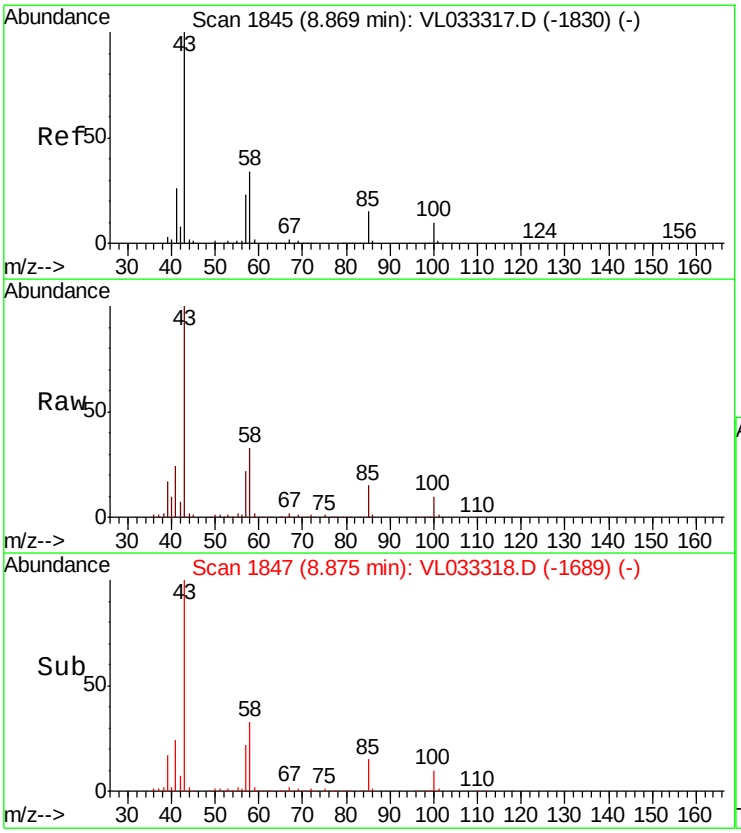
#49
Bromoform
Concen: 2.049 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:173 Resp: 244526

Ion	Ratio	Lower	Upper
173	100		
175	50.0	38.6	58.0
171	51.4	41.5	62.3

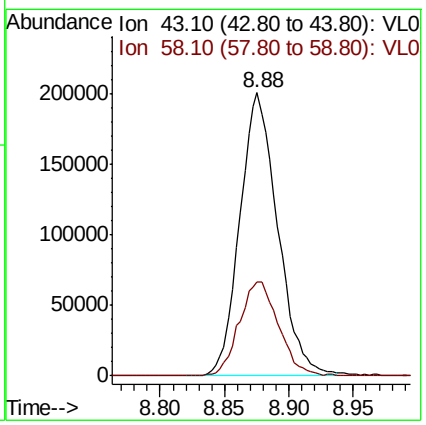


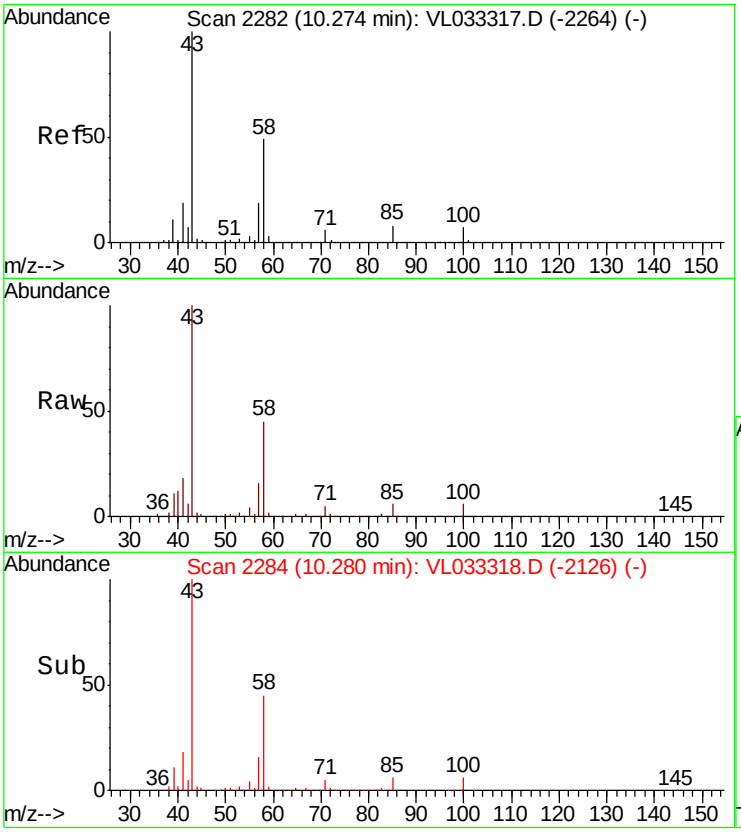


#50
4-Methyl-2-Pentanone
Concen: 1.967 ppbv
RT: 8.88 min Scan# 1847
Delta R.T. 0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 43 Resp: 409216

Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.2	42.2



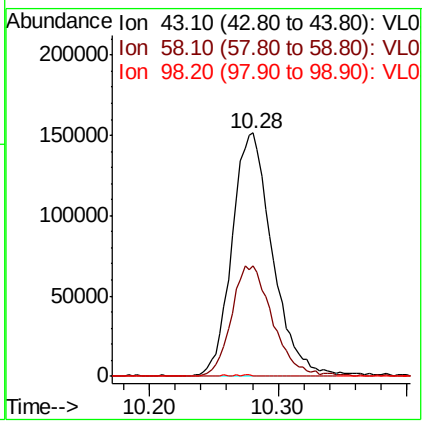


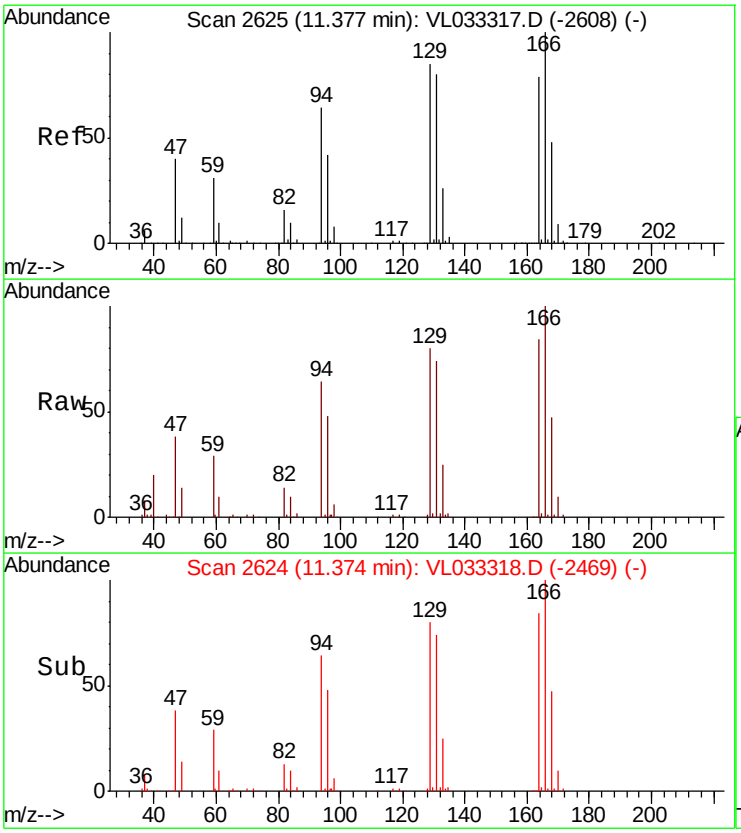
#51
2-Hexanone
Concen: 2.061 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. 0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 329990

Ion	Ratio	Lower	Upper
43	100		
58	46.3	38.0	57.0
98	0.2	0.1	0.1#

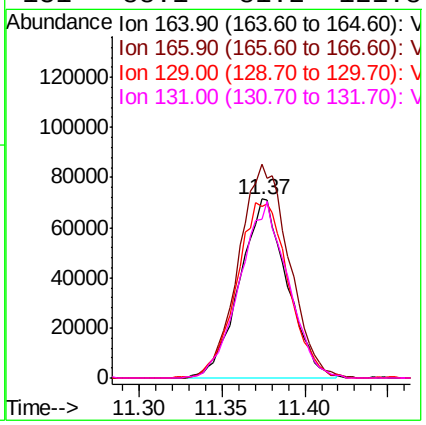


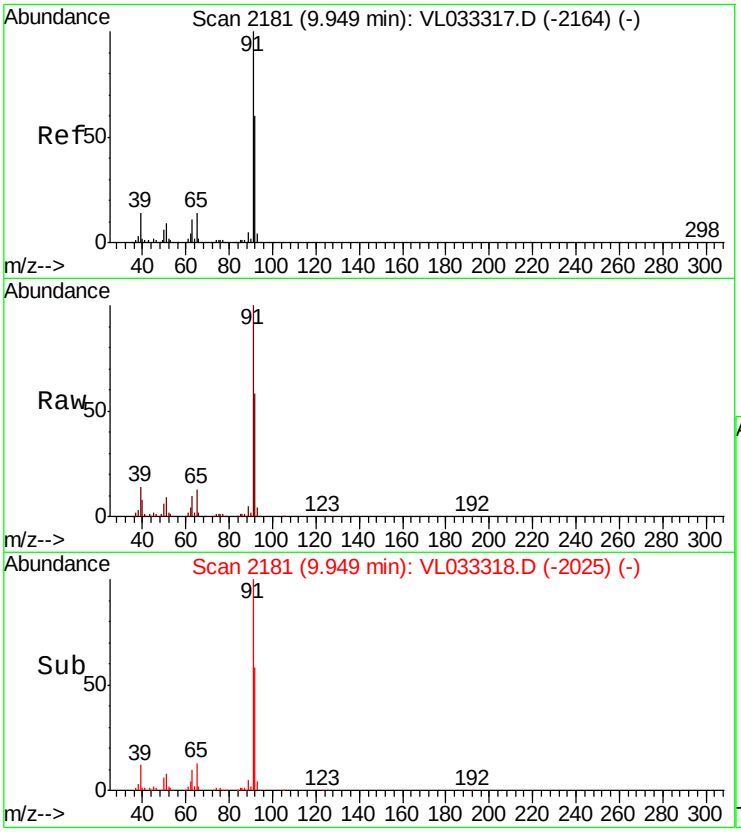


#52
Tetrachloroethene
Concen: 1.697 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion:164 Resp: 141979

Ion	Ratio	Lower	Upper
164	100		
166	119.0	100.9	151.3
129	96.7	86.0	129.0
131	88.1	81.2	121.8



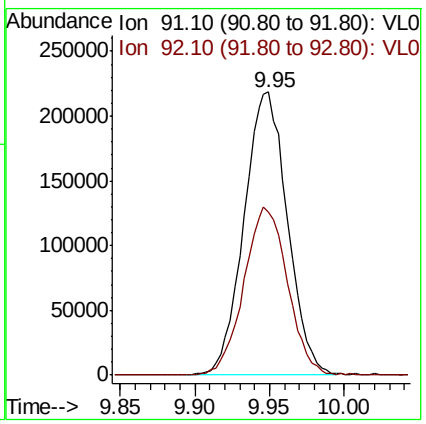


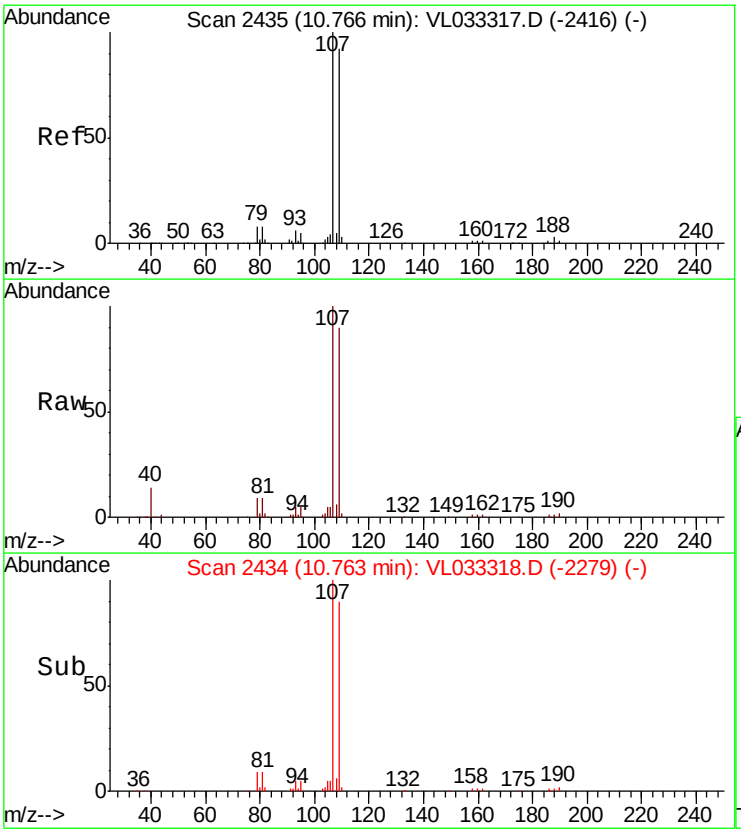
#53
Toluene
Concen: 1.900 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 441098

Ion	Ratio	Lower	Upper
91	100		
92	59.9	47.5	71.3

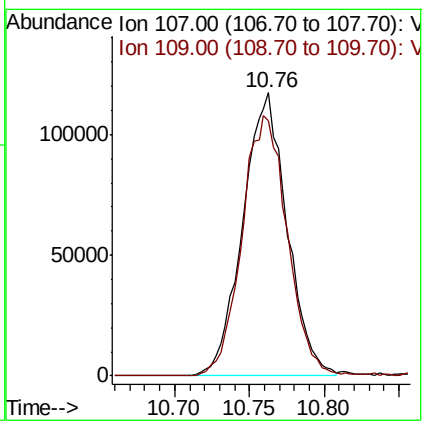


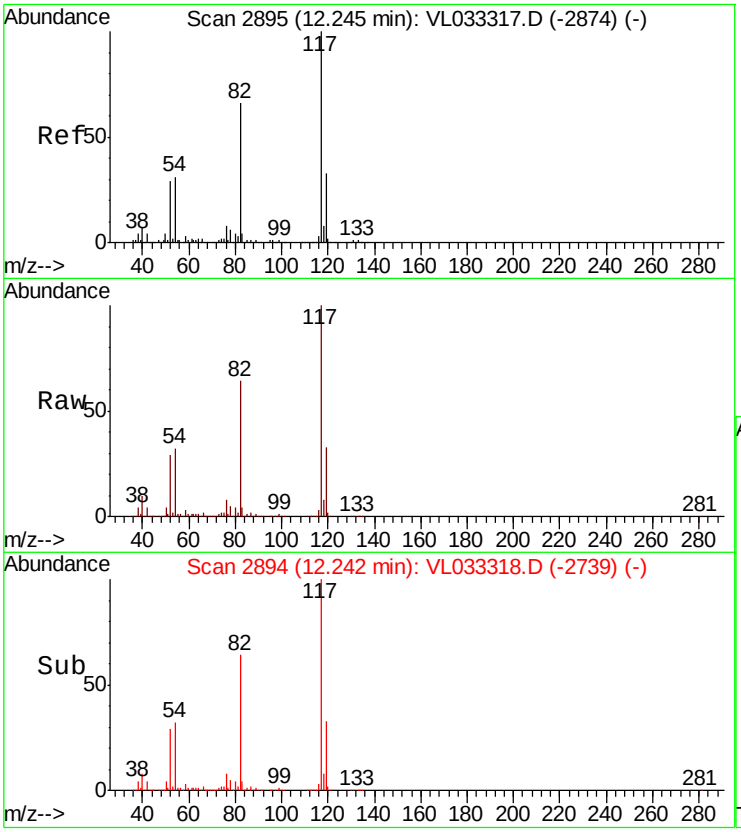


#54
1,2-Dibromoethane
Concen: 1.772 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion:107 Resp: 241490

Ion	Ratio	Lower	Upper
107	100		
109	90.3	73.6	110.4



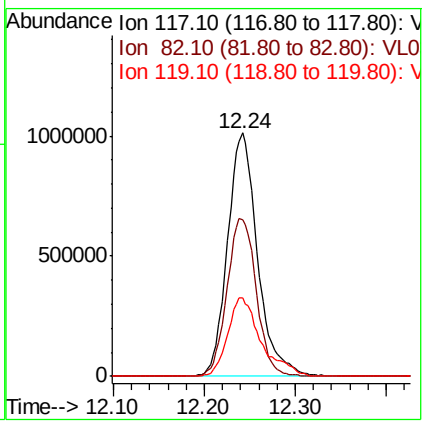


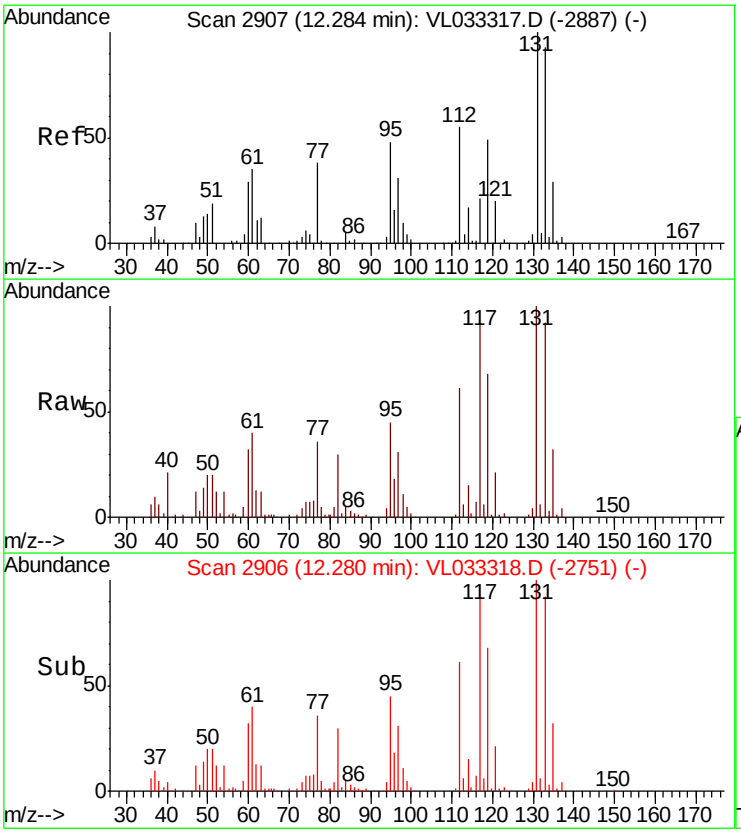
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:117 Resp: 2319090

Ion	Ratio	Lower	Upper
117	100		
82	63.6	53.3	79.9
119	35.9	27.7	41.5

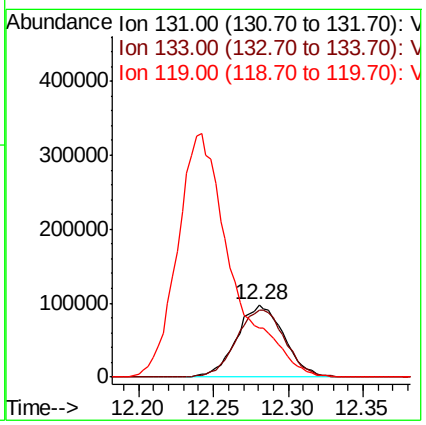


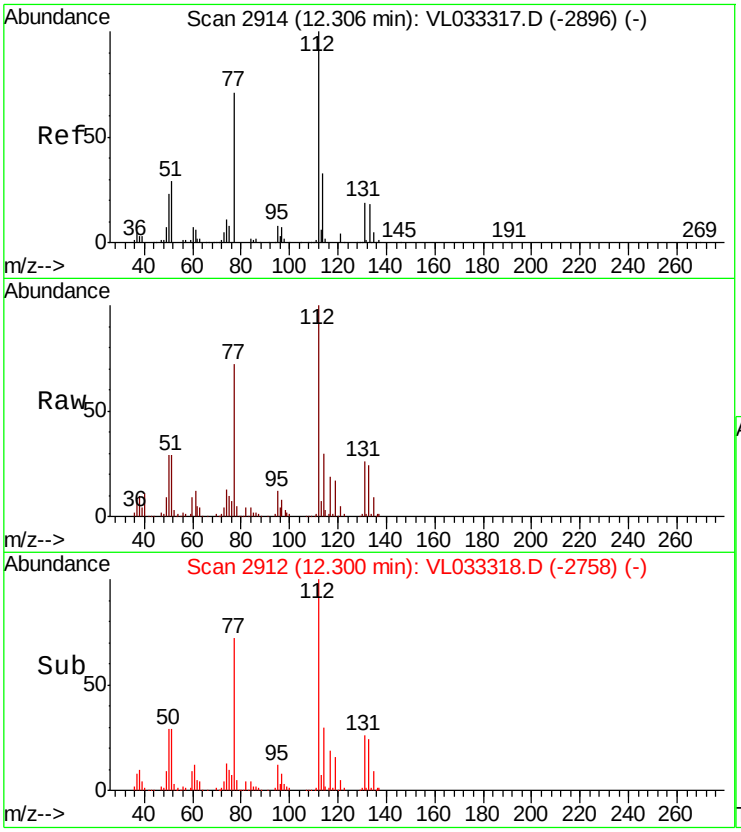


#56
1,1,1,2-Tetrachloroethane
Concen: 2.045 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion:131 Resp: 214325

Ion	Ratio	Lower	Upper
131	100		
133	95.7	76.2	114.2
119	389.5	48.5	72.7#



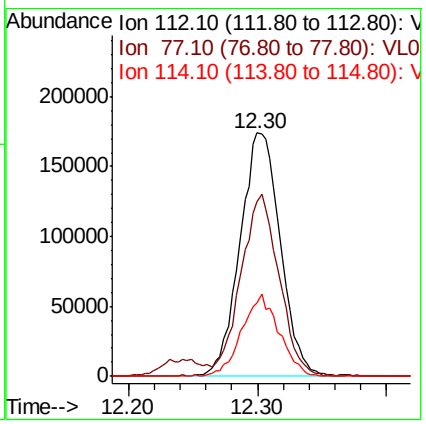


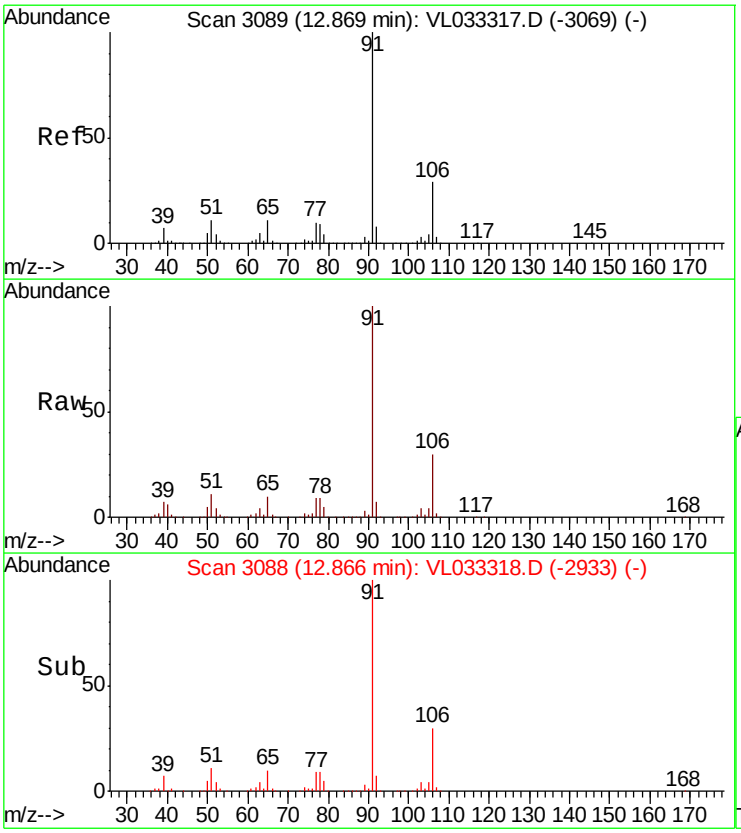
#57
Chlorobenzene
Concen: 2.012 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:112 Resp: 378157

Ion	Ratio	Lower	Upper
112	100		
77	71.7	57.5	86.3
114	30.4	29.7	36.3

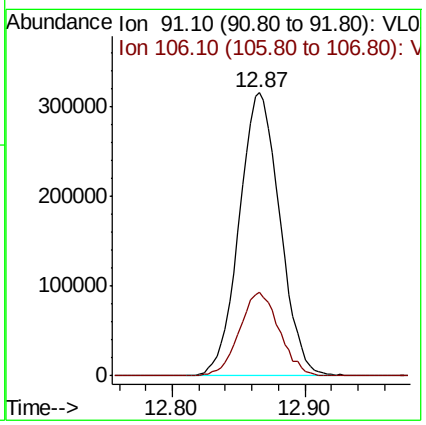


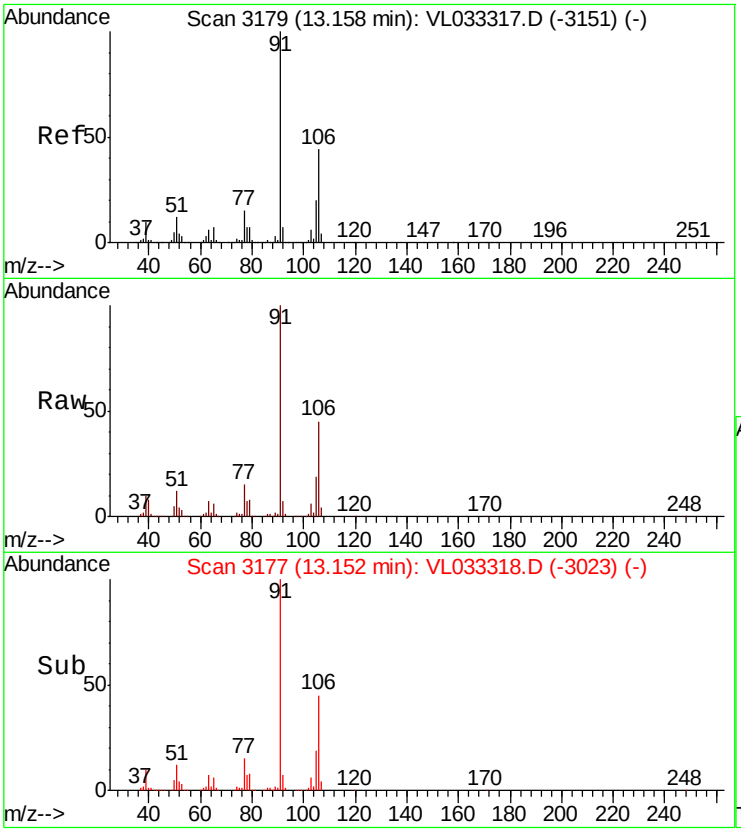


#58
Ethyl Benzene
Concen: 2.019 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 91 Resp: 674755

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.6	35.4



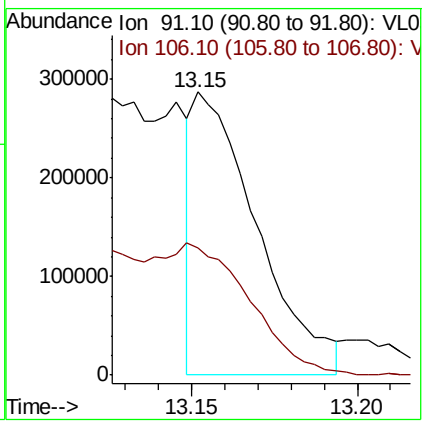


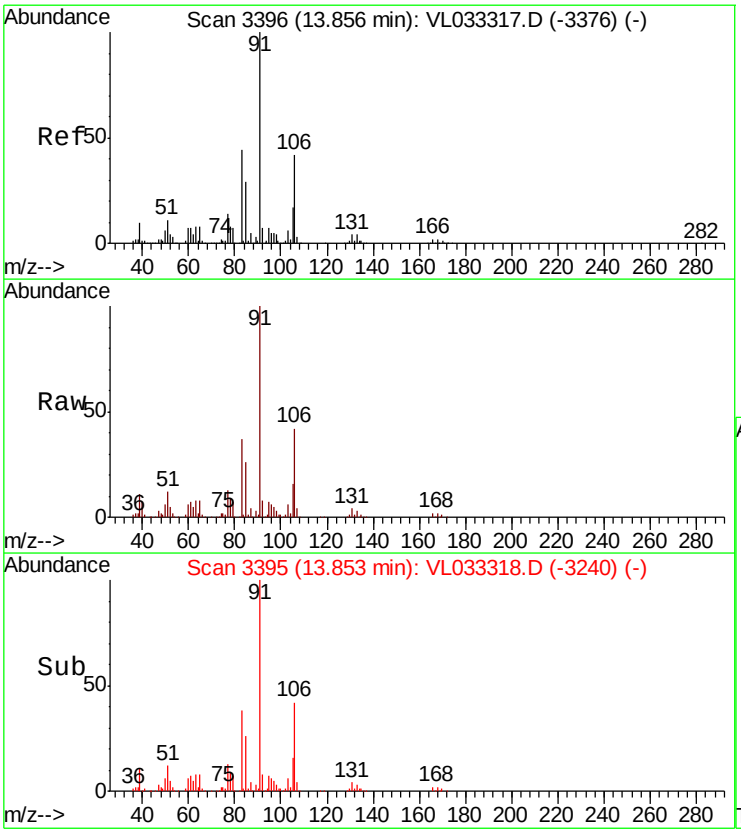
#59
m/p-Xylene
Concen: 1.348 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. -0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 378942

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.6	53.4#

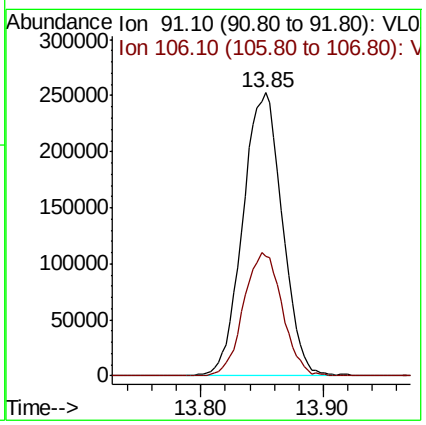


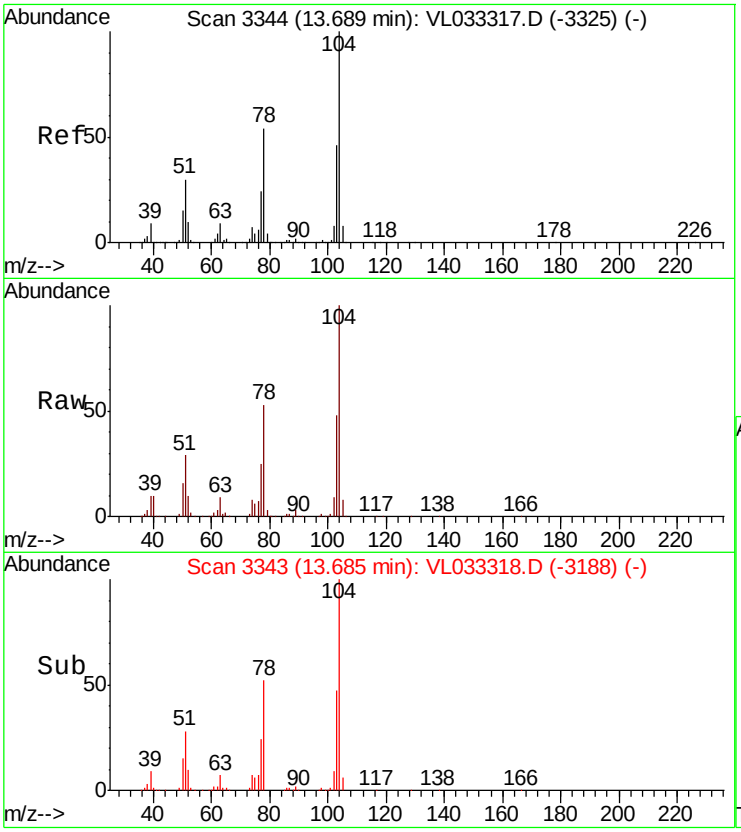


#60
o-Xylene
Concen: 2.076 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 91 Resp: 564749

Ion	Ratio	Lower	Upper
91	100		
106	42.8	21.5	64.5



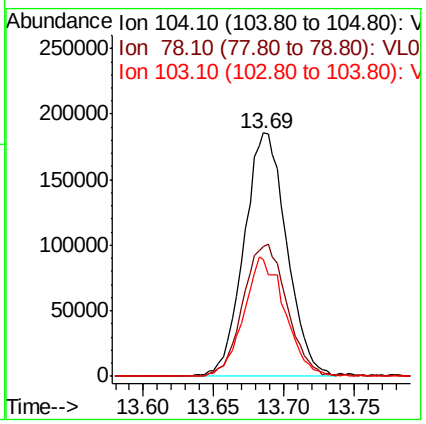


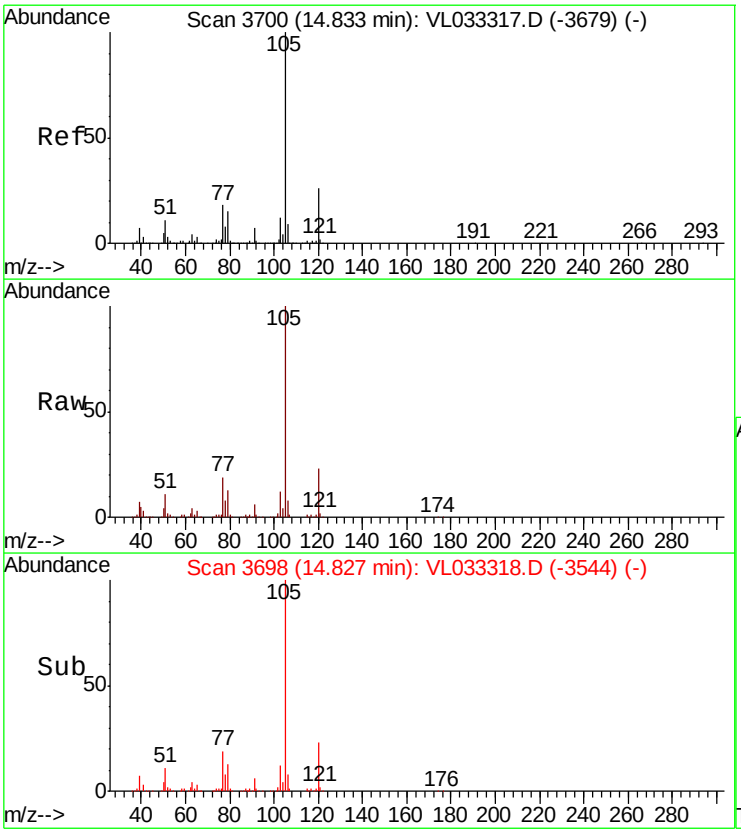
#61
Styrene
Concen: 2.066 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:104 Resp: 393459

Ion	Ratio	Lower	Upper
104	100		
78	55.8	43.4	65.0
103	47.3	38.2	57.4

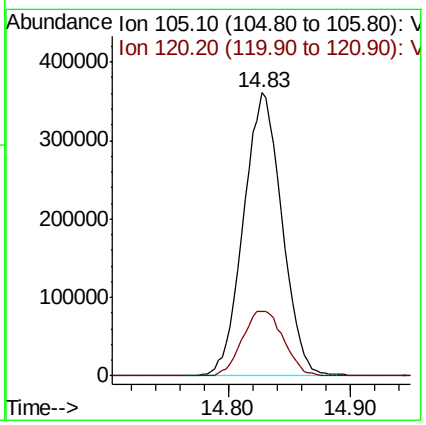


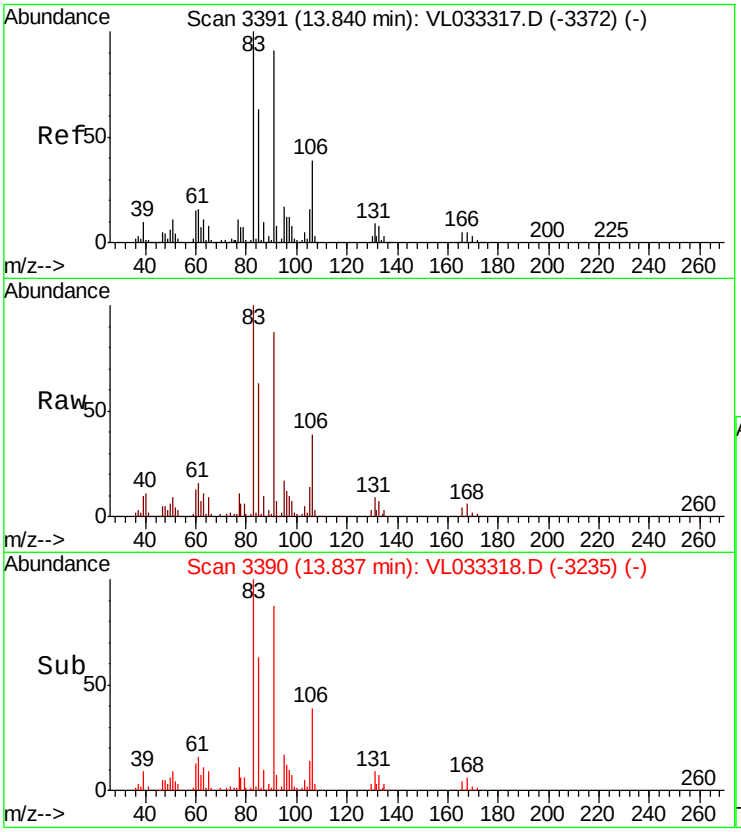


#62
Isopropylbenzene
Concen: 2.054 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion:105 Resp: 784840

Ion	Ratio	Lower	Upper
105	100		
120	24.6	20.1	30.1



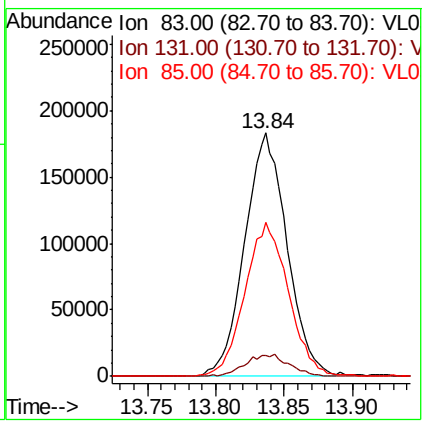


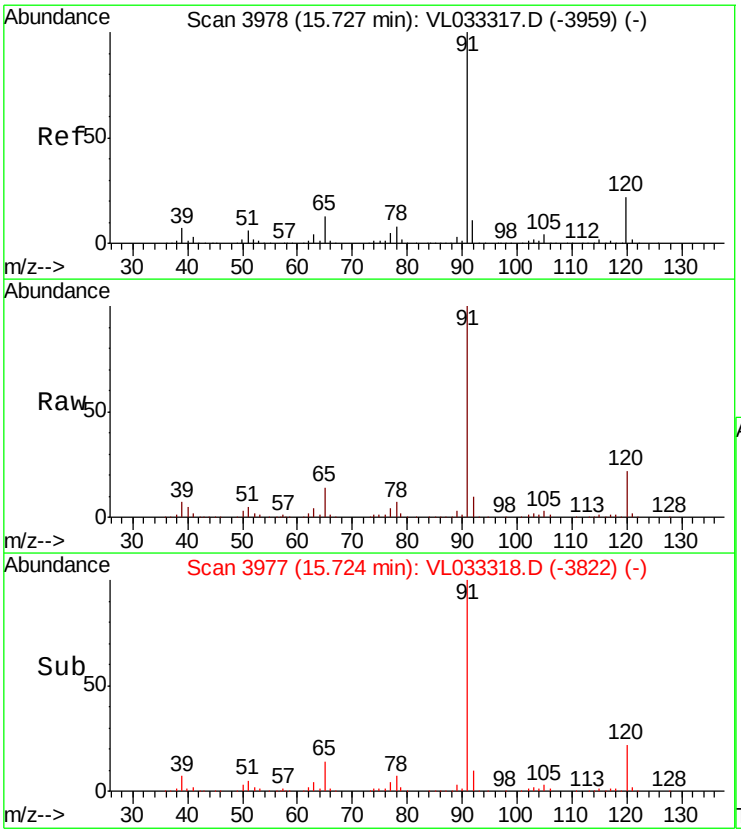
#63
1,1,2,2-Tetrachloroethane
Concen: 2.013 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 83 Resp: 394278

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.5
85	65.2	32.5	97.5

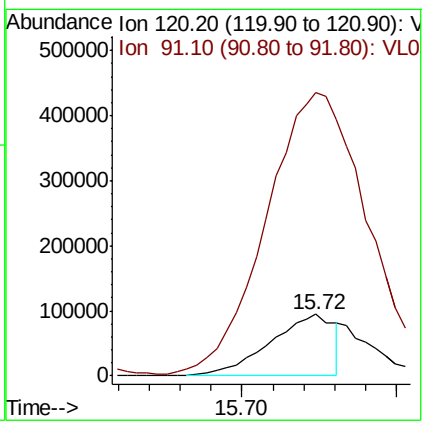


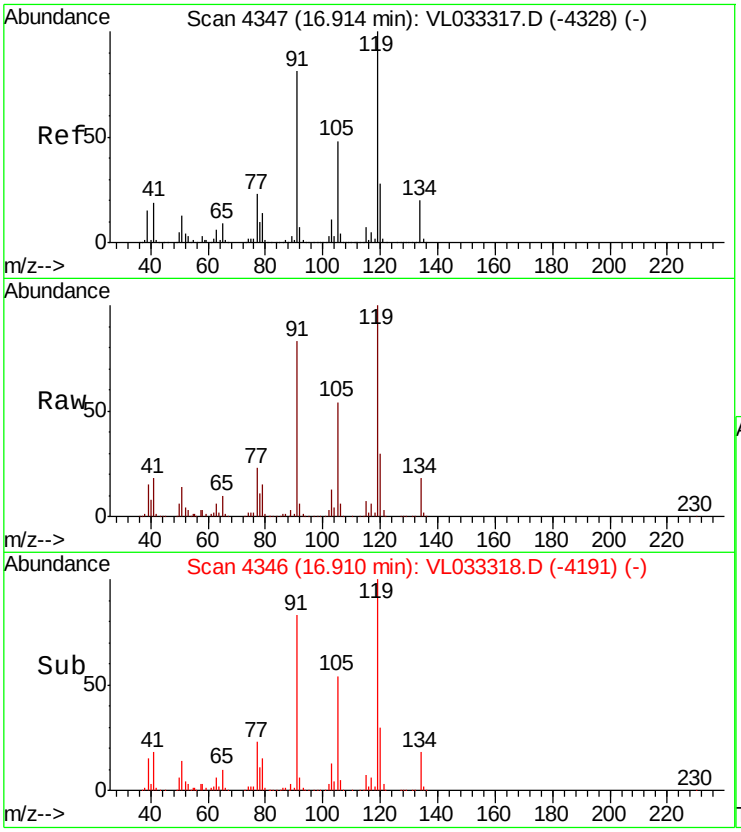


#64
n-propylbenzene
Concen: 1.430 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion:120 Resp: 135898

Ion	Ratio	Lower	Upper
120	100		
91	732.6	387.4	581.0#



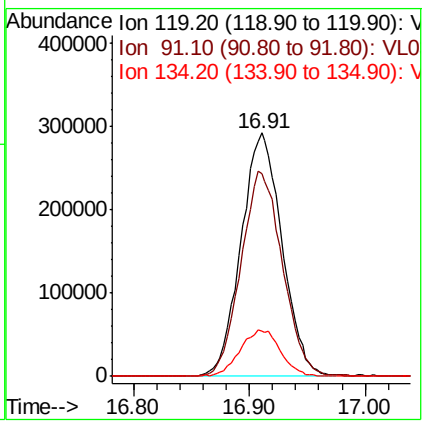


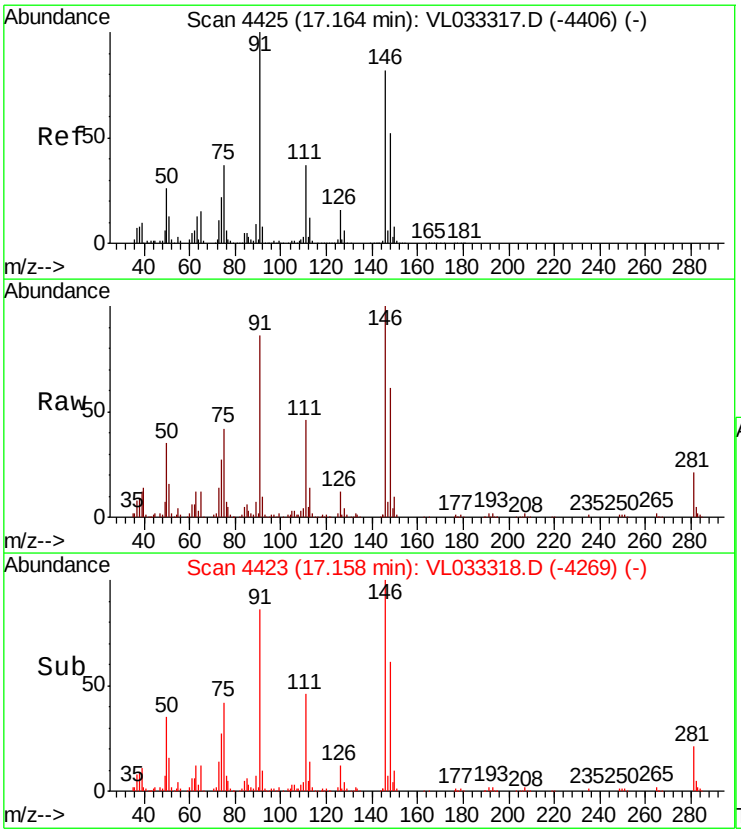
#65
tert-Butylbenzene
Concen: 2.214 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:119 Resp: 716348

Ion	Ratio	Lower	Upper
119	100		
91	85.4	67.5	101.3
134	18.7	15.5	23.3

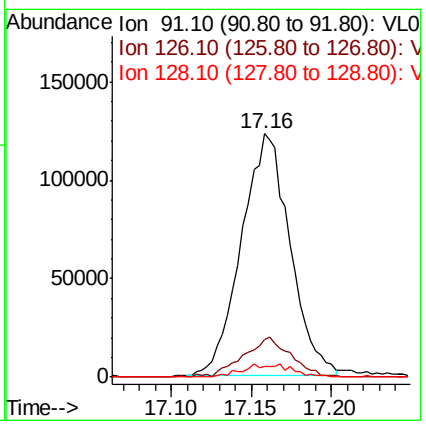


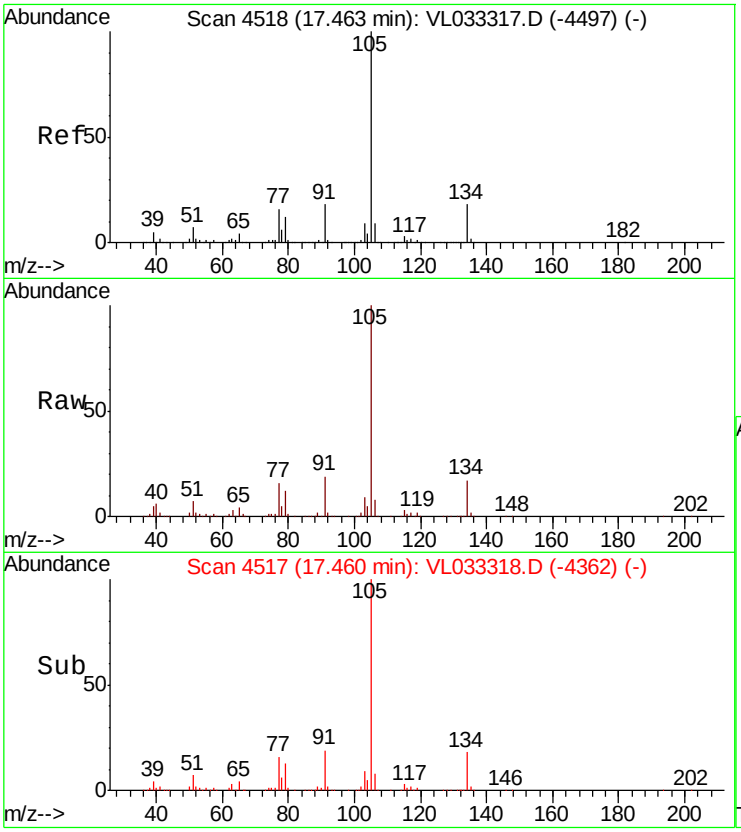


#66
Benzyl Chloride
Concen: 1.960 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 91 Resp: 257553

Ion	Ratio	Lower	Upper
91	100		
126	16.4	13.4	20.0
128	5.4	4.3	6.5



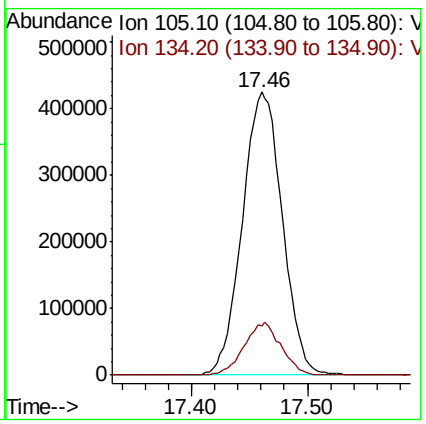


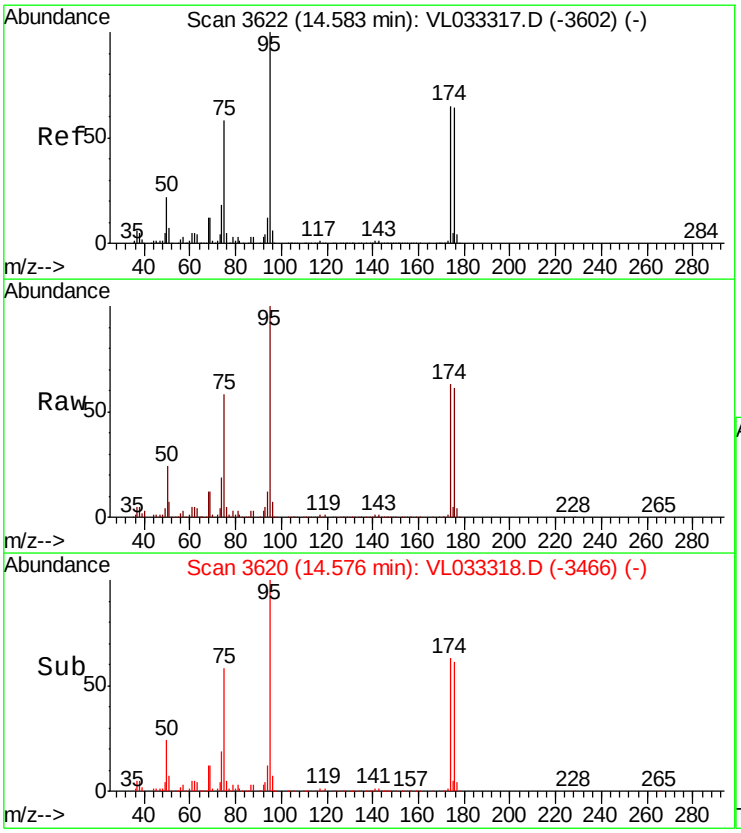
#67
sec-Butylbenzene
Concen: 2.177 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:105 Resp: 1015083

Ion	Ratio	Lower	Upper
105	100		
134	17.5	14.2	21.4

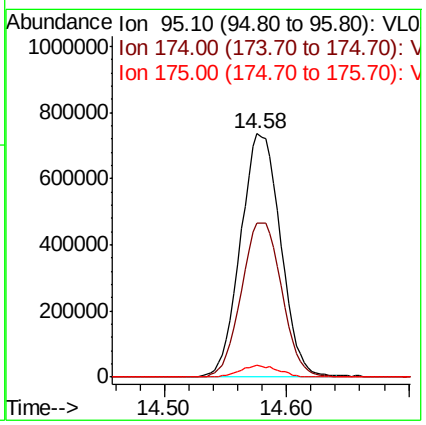


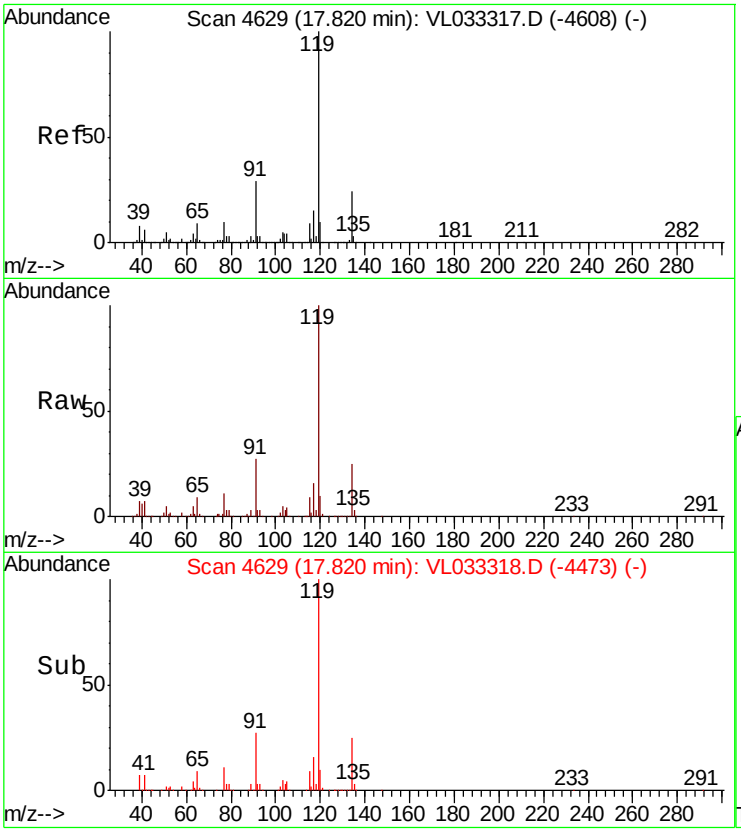


#68
1-Bromo-4-Fluorobenzene
Concen: 9.389 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 95 Resp: 1664967

Ion	Ratio	Lower	Upper
95	100		
174	64.6	52.2	78.4
175	4.7	3.8	5.6



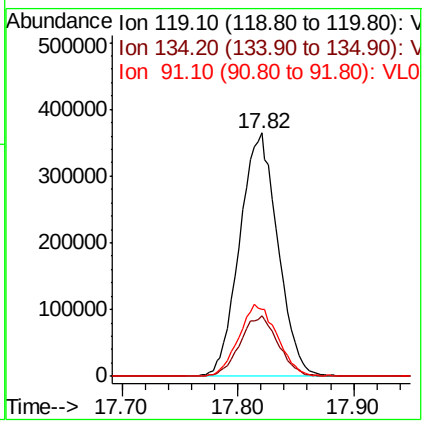


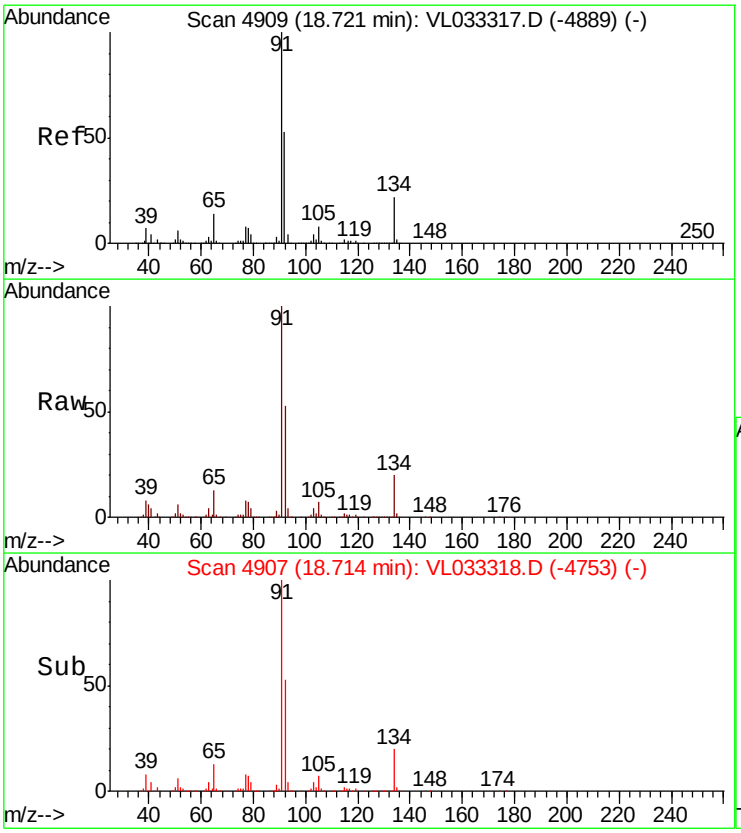
#69
p-Isopropyltoluene
Concen: 2.236 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:119 Resp: 833794

Ion	Ratio	Lower	Upper
119	100		
134	24.8	19.9	29.9
91	30.0	23.7	35.5

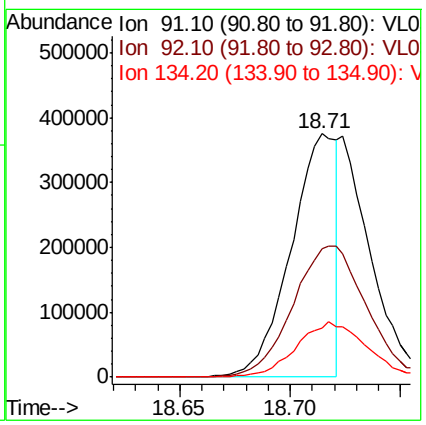


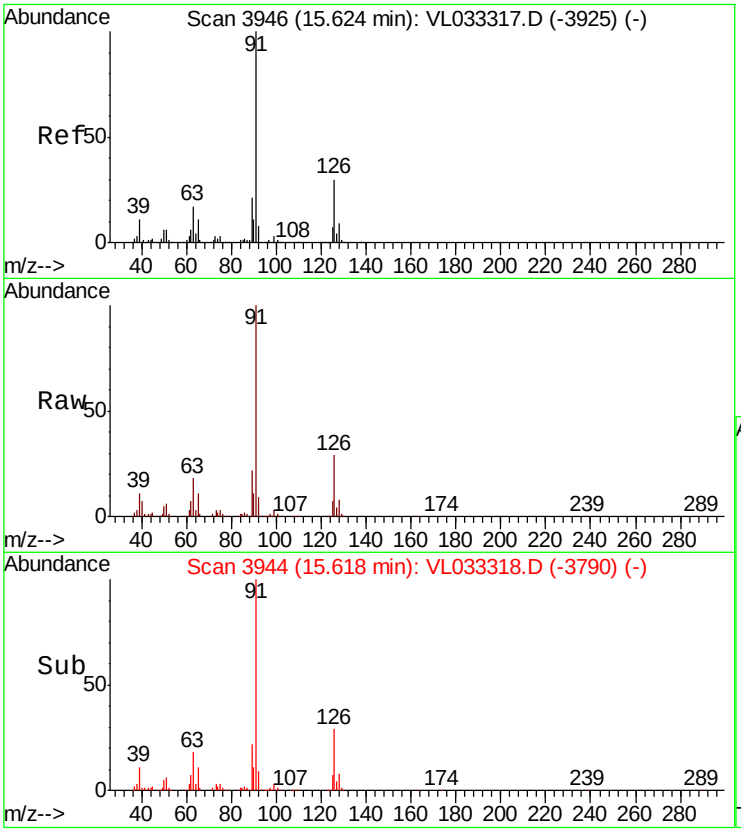


#70
n-Butylbenzene
Concen: 1.379 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. -0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion: 91 Resp: 538612

Ion	Ratio	Lower	Upper
91	100		
92	0.0	42.7	64.1#
134	35.1	17.4	26.0#



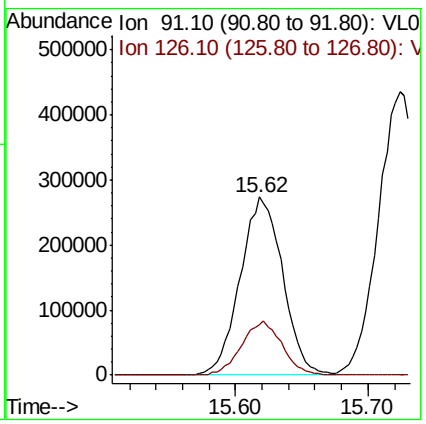


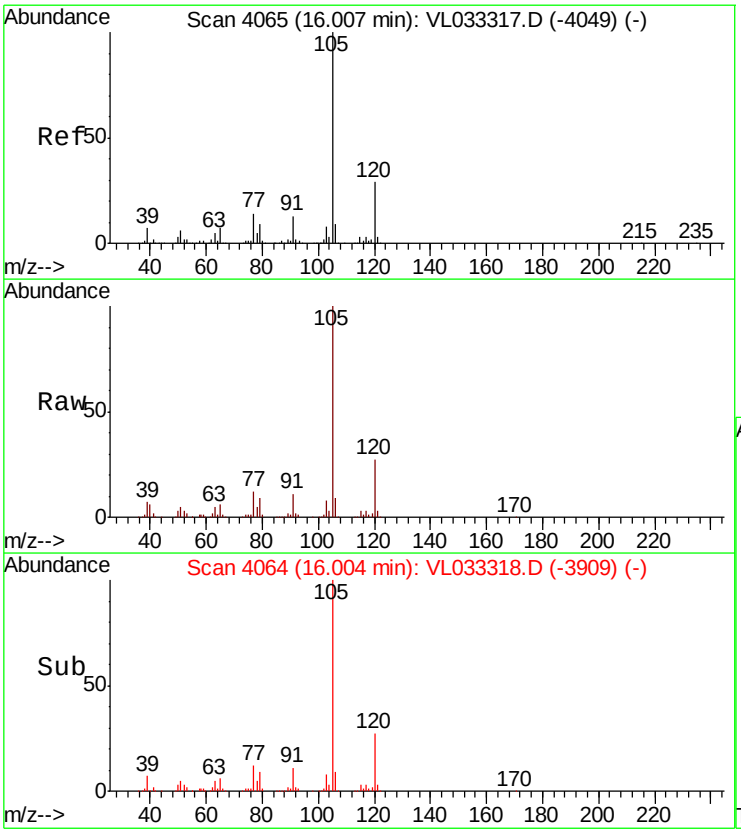
#71
2-Chlorotoluene
Concen: 2.130 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. -0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 609940

Ion	Ratio	Lower	Upper
91	100		
126	29.0	11.8	47.2

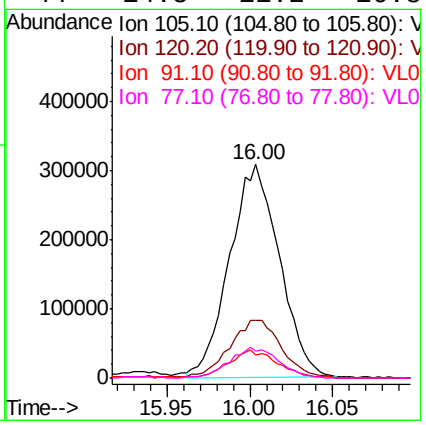


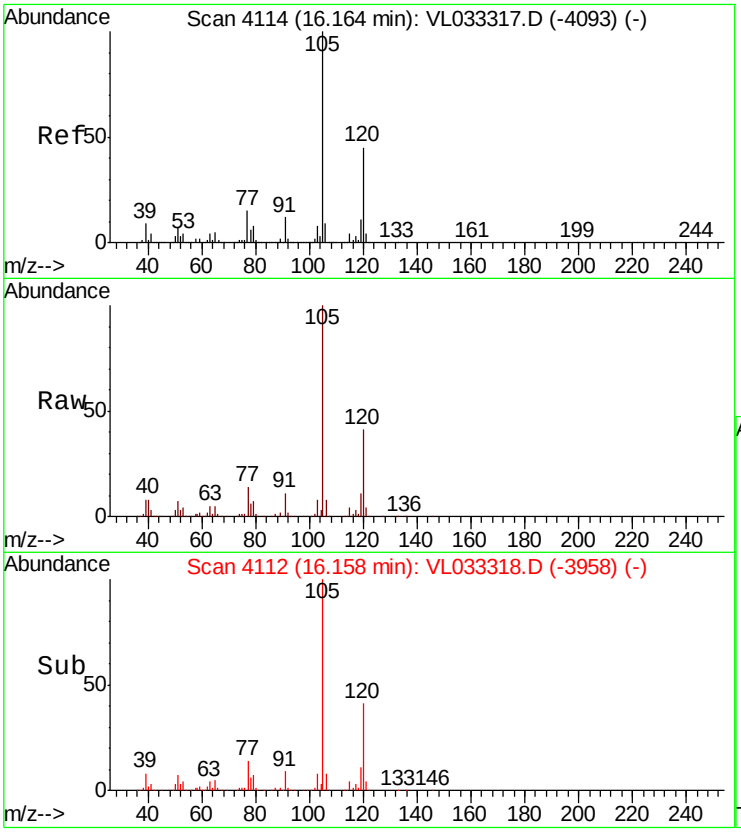


#72
4-Ethyltoluene
Concen: 2.184 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion:105 Resp: 639333

Ion	Ratio	Lower	Upper
105	100		
120	29.3	22.6	33.8
91	12.7	10.4	15.6
77	14.5	11.2	16.8



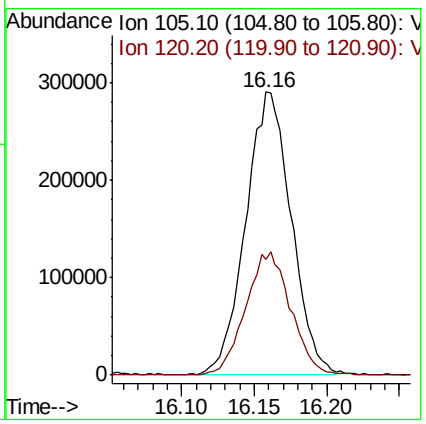


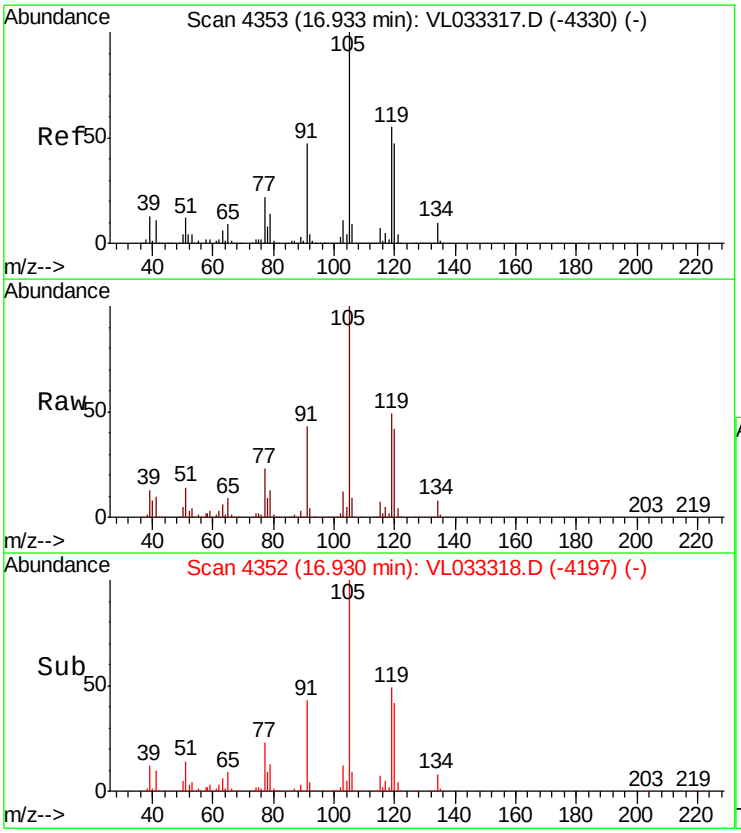
#73
1,3,5-Trimethylbenzene
Concen: 2.295 ppbv
RT: 16.16 min Scan# 4112
Delta R.T. -0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 631161

Ion	Ratio	Lower	Upper
105	100		
120	41.0	36.2	54.2

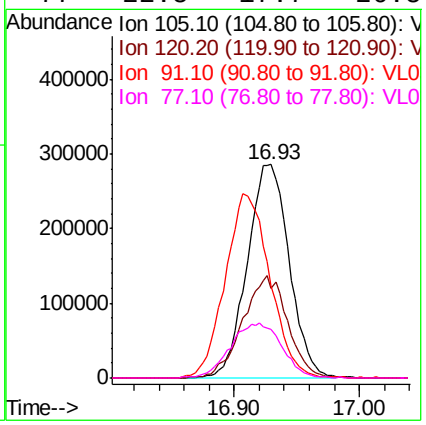


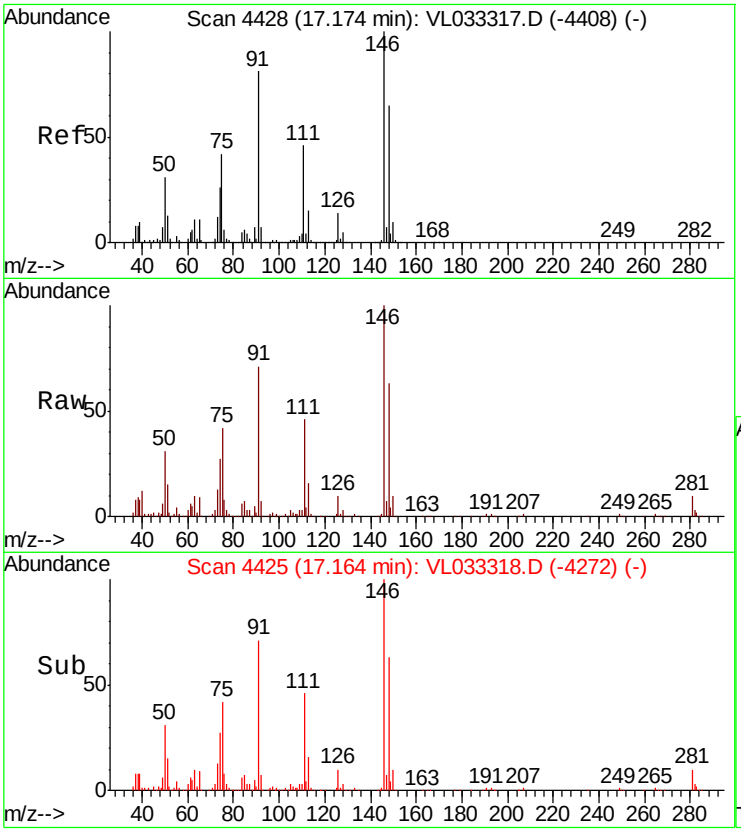


#74
1,2,4-Trimethylbenzene
Concen: 2.366 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion:105 Resp: 664446

Ion	Ratio	Lower	Upper
105	100		
120	41.9	37.2	55.8
91	42.6	38.1	57.1
77	22.5	17.7	26.5



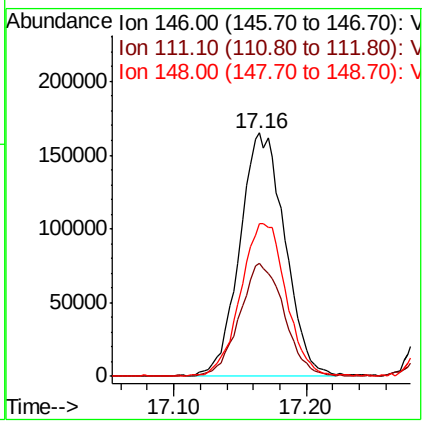


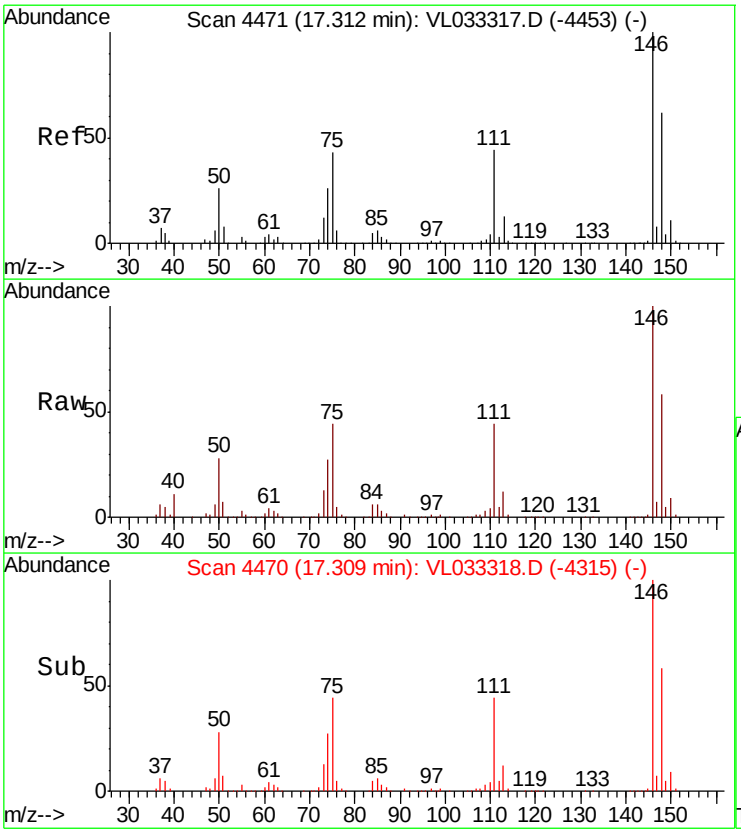
#75
1,3-Dichlorobenzene
Concen: 2.215 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.01 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 389460

Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.9	68.7
148	63.5	32.2	96.6

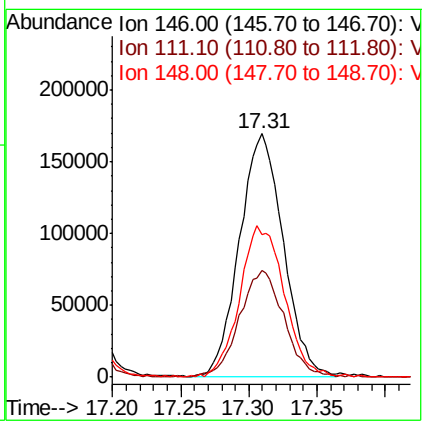


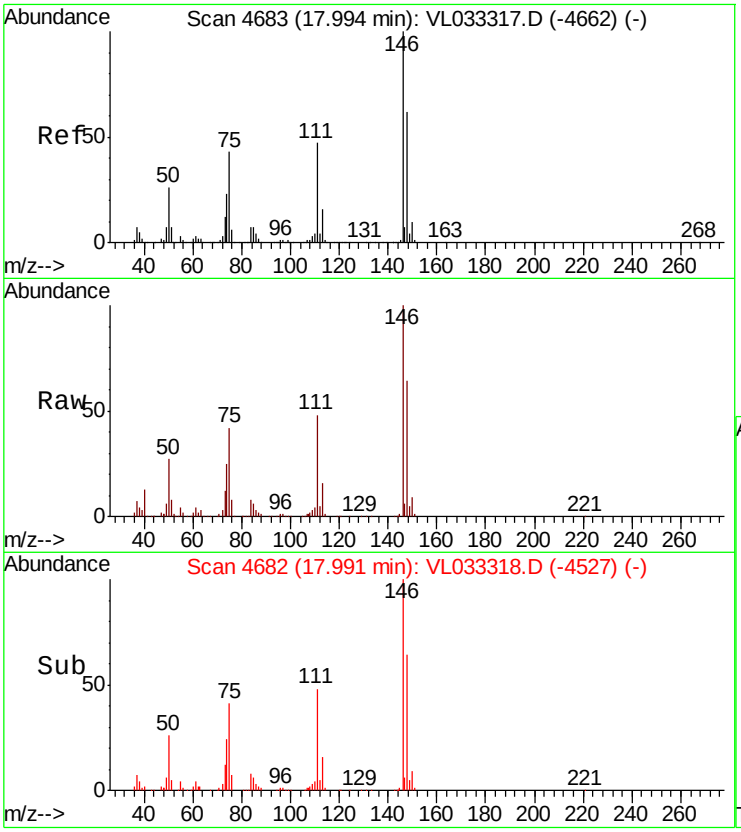


#76
1,4-Dichlorobenzene
Concen: 2.191 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion:146 Resp: 376331

Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.5	67.5
148	63.9	32.3	96.8



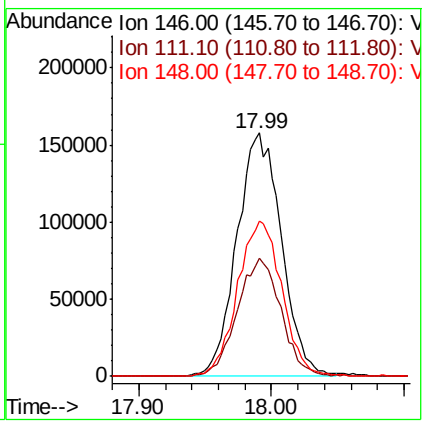


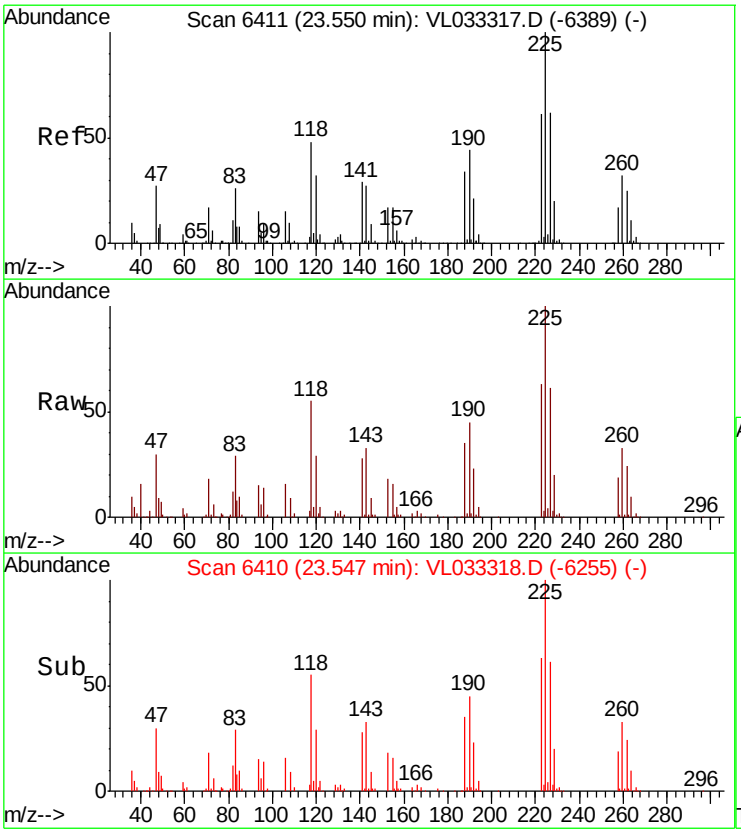
#77
1,2-Dichlorobenzene
Concen: 2.150 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:146 Resp: 369252

Ion	Ratio	Lower	Upper
146	100		
111	47.7	23.6	71.0
148	63.7	31.6	95.0

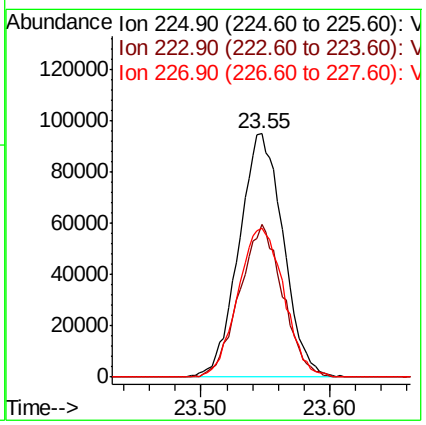


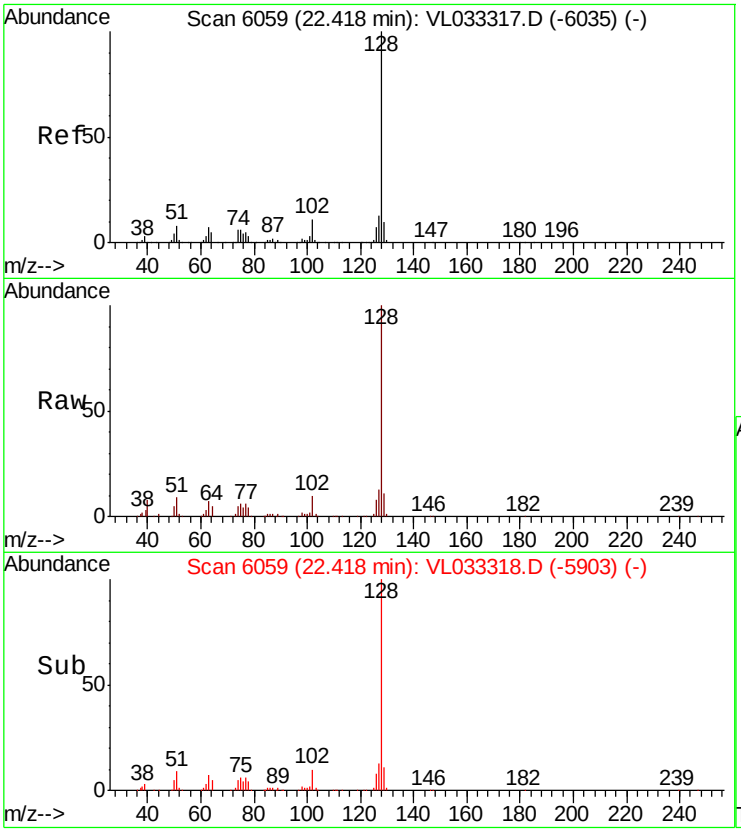


#78
Hexachloro-1,3-Butadiene
Concen: 1.926 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion:225 Resp: 227137

Ion	Ratio	Lower	Upper
225	100		
223	61.2	50.5	75.7
227	63.5	50.9	76.3



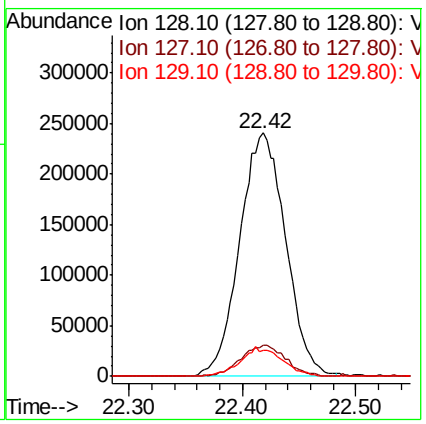


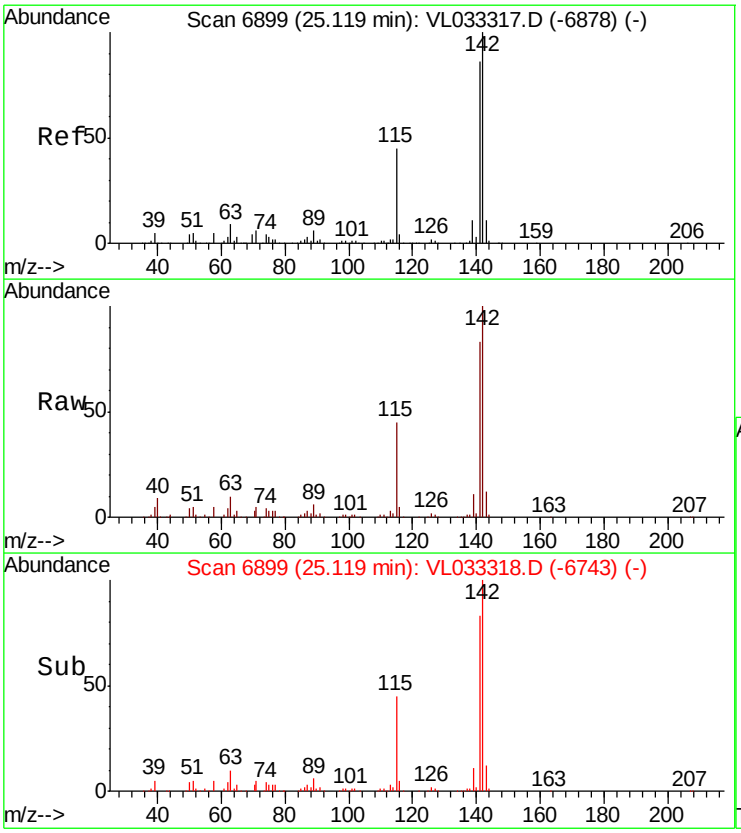
#79
Naphthalene
Concen: 2.951 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 673738

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.5	15.7
129	10.7	8.3	12.5

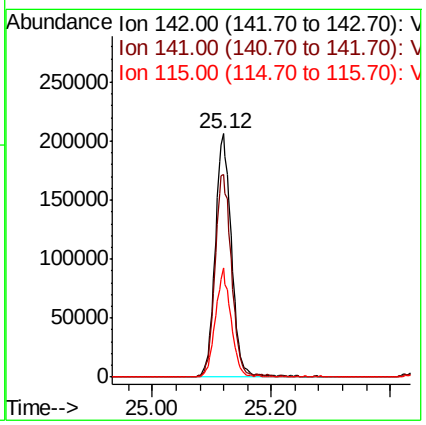


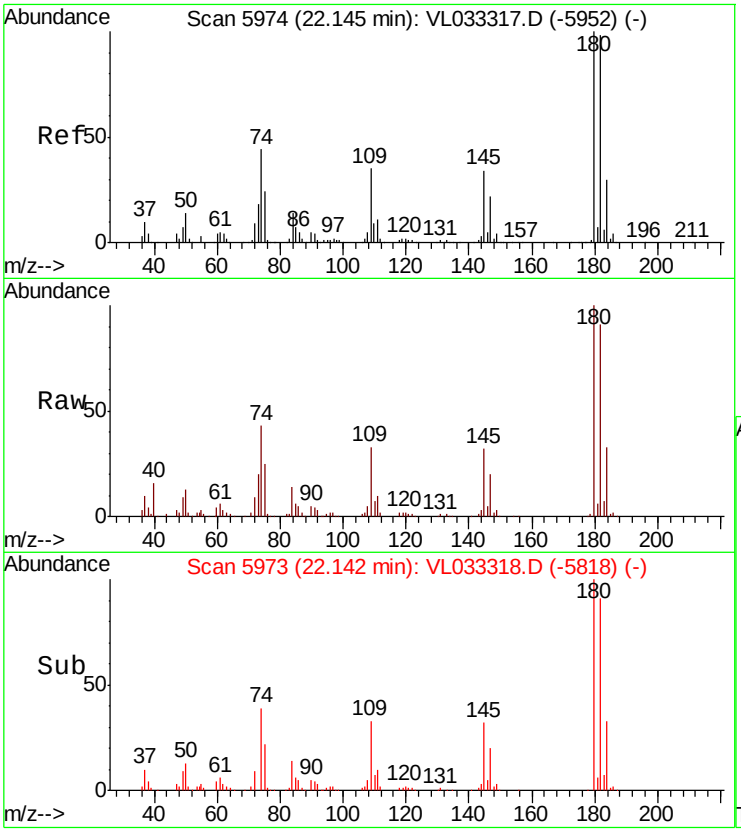


#80
Naphthalene,2-methyl-
Concen: 5.894 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. 0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Tgt Ion:142 Resp: 389247

Ion	Ratio	Lower	Upper
142	100		
141	85.0	67.4	101.0
115	42.6	33.8	50.8





#81
1,2,4-Trichlorobenzene
Concen: 2.657 ppbv
RT: 22.14 min Scan# 5973
Delta R.T. -0.00 min
Lab File: VL033318.D
Acq: 15 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 345184

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.6	114.8
184	29.9	24.3	36.5