Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010419\

Quantitation Report (Not Reviewed)

Data File : VL033063.D
Acq On : 4 Jan 2019 10:43
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Jan 04 11:52:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 03 19:04:31 2019
QLast Update : Thu Jan 03 19:04:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	1481864	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	3621550	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	3415338	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2575794	10.11	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	348147	1.054	ppbv		99
3) Chlorodifluoromethane	3.01	51	199931	1.109	ppbv		97
4) Chloromethane	3.17	50	111839	1.067	ppbv		100
5) Vinyl Chloride	3.29	62	101860	0.915	ppbv		100
6) Bromomethane	3.52	94	74607	1.101	ppbv		94
7) Chloroethane	3.60	64	43526	1.138	ppbv	#	88
8) Dichlorotetrafluoroethane	3.22	85	275339	1.046	ppbv		99
9) Propene	3.04	41	73821	1.055	ppbv		97
10) Heptane	8.25	43	183960	1.027	ppbv		99
11) Trichlorofluoromethane	4.00	101	318233	1.095	ppbv		95
12) 1,1,2-Trichlorotrifluoroet	4.55	101	221132	1.126	ppbv		100
13) Ethanol	3.65	45	29465	1.081	ppbv		72
14) Bromoethene	3.79	108	95088	1.136	ppbv		99
15) Acetone	3.91	43	224049	1.156	ppbv		99
16) 1,3-Butadiene	3.36	39	83603	0.990	ppbv		96
17) tert-Butyl alcohol	4.36	59	18757	0.433	ppbv	#	74
18) 1,1-Dichloroethene	4.35	96	97662	1.109	ppbv		96
19) Isopropyl Alcohol	4.03	45	157256	1.215	ppbv	#	95
20) Methylene Chloride	4.41	84	105301	1.228	ppbv		95
21) Allyl Chloride	4.48	41	145922	1.107	ppbv		99
22) trans-1,2-Dichloroethene	4.96	96	95970	1.116	ppbv		98
23) Vinyl Acetate	5.15	43	282743	1.056	ppbv	#	97
24) 1,1-Dichloroethane	5.09	63	245369	1.104	ppbv		99
25) Ethyl Acetate	5.77	43	371833	1.071	ppbv		99
26) Hexane	5.78	57	179504	1.091	ppbv		97
27) Carbon Disulfide	4.62	76	222302	1.081	ppbv	#	92
28) Methyl tert-Butyl Ether	5.12	73	273933	1.063	ppbv		98
29) Chloroform	5.84	83	300058	1.100	ppbv		98
30) Cyclohexane	7.25	84	125903	1.019	ppbv		92
31) cis-1,2-Dichloroethene	5.64	61	161537	1.060	ppbv		94
32) 1,1,1-Trichloroethane	6.62	97	301623	1.048	ppbv		99
34) 2-Butanone	5.34	43	224686	1.063	ppbv		98
35) Carbon Tetrachloride	7.13	117	329924	1.055	ppbv		99
36) Benzene	7.00	78	317438	1.065	ppbv		98
37) 1,2-Dichloroethane	6.41	62	225591	1.113	ppbv		99
38) Trichloroethene	7.96	130	126671	1.018	ppbv		91
39) 1,2-Dichloropropane	7.74	63	119629	1.070	ppbv		96
40) 1,4-Dioxane	7.97	88	16975	0.400	ppbv	#	1
41) Tetrahydrofuran	6.16	42	110351	1.023	ppbv		98
42) Bromodichloromethane	7.91	83	301750	1.035	ppbv		94
43) Methyl Methacrylate	8.14	69	114126	1.027	ppbv		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010419\

Quantitation Report (Not Reviewed)

Data File : VL033063.D
Acq On : 4 Jan 2019 10:43
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Jan 04 11:52:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 03 19:04:31 2019
QLast Update : Thu Jan 03 19:04:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	547678	1.038	ppbv		98
45) t-1,3-Dichloropropene	9.42	75	129318	0.842	ppbv		94
46) cis-1,3-Dichloropropene	8.83	75	157372	0.943	ppbv		96
47) 1,1,2-Trichloroethane	9.61	97	138683	1.028	ppbv		95
48) Dibromochloromethane	10.45	129	254280	1.136	ppbv		100
49) Bromoform	13.20	173	213049	1.033	ppbv		98
50) 4-Methyl-2-Pentanone	8.88	43	301161	1.059	ppbv		98
51) 2-Hexanone	10.29	43	190322	0.991	ppbv	#	100
52) Tetrachloroethene	11.37	164	51099	0.474	ppbv		89
53) Toluene	9.94	91	325956	1.063	ppbv		100
54) 1,2-Dibromoethane	10.76	107	203143	1.036	ppbv		90
56) 1,1,1,2-Tetrachloroethane	12.28	131	194048	1.123	ppbv	#	1
57) Chlorobenzene	12.30	112	315799	1.140	ppbv		99
58) Ethyl Benzene	12.87	91	441623	1.051	ppbv		100
59) m/p-Xylene	13.12	91	323571	0.829	ppbv	#	100
60) o-Xylene	13.85	91	418613	1.097	ppbv		97
61) Styrene	13.69	104	242853	0.987	ppbv		98
62) Isopropylbenzene	14.83	105	601064	1.103	ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.84	83	143562	0.481	ppbv	#	4
64) n-propylbenzene	15.72	120	148828	1.108	ppbv		91
65) tert-Butylbenzene	16.91	119	522251	1.077	ppbv		94
66) Benzyl Chloride	17.15	91	272132	0.998	ppbv		99
67) sec-Butylbenzene	17.46	105	751053	1.098	ppbv		99
69) p-Isopropyltoluene	17.82	119	607099	1.098	ppbv		97
70) n-Butylbenzene	18.71	91	309902	0.549	ppbv	#	34
71) 2-Chlorotoluene	15.62	91	410513	1.064	ppbv		97
72) 4-Ethyltoluene	16.00	105	449019	1.057	ppbv		98
73) 1,3,5-Trimethylbenzene	16.16	105	450158	1.085	ppbv		97
74) 1,2,4-Trimethylbenzene	16.93	105	508985	1.117	ppbv		96
75) 1,3-Dichlorobenzene	17.17	146	304364	1.141	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	253033	1.042	ppbv		94
77) 1,2-Dichlorobenzene	17.99	146	266974	1.093	ppbv		98
78) Hexachloro-1,3-Butadiene	23.55	225	193296	1.126	ppbv		98
79) Naphthalene	22.42	128	402991	0.973	ppbv		98
80) Naphthalene,2-methyl-	25.13	142	84389	0.735	ppbv		95
81) 1,2,4-Trichlorobenzene	22.15	180	196854	1.044	ppbv		98

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

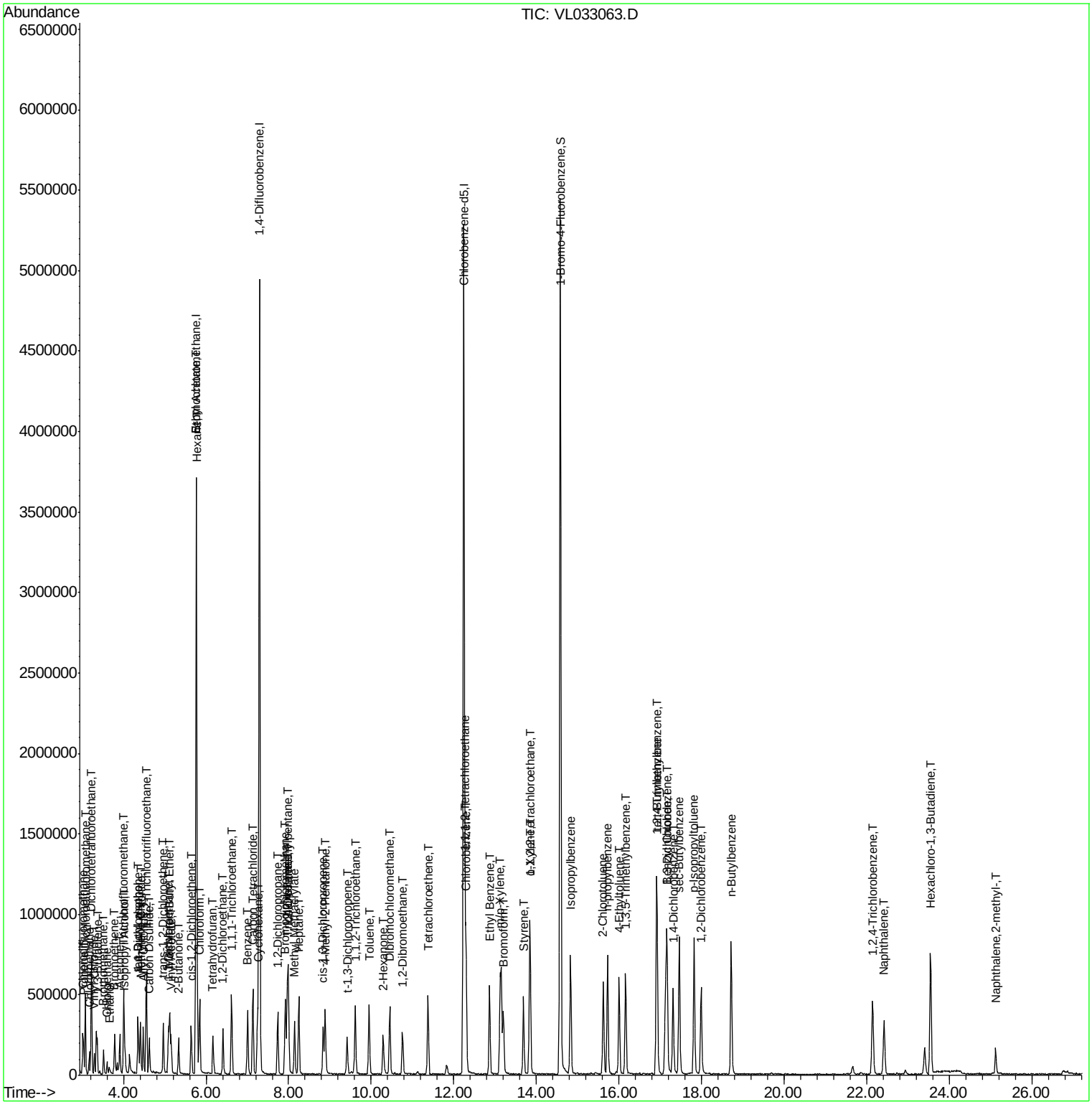
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010419\

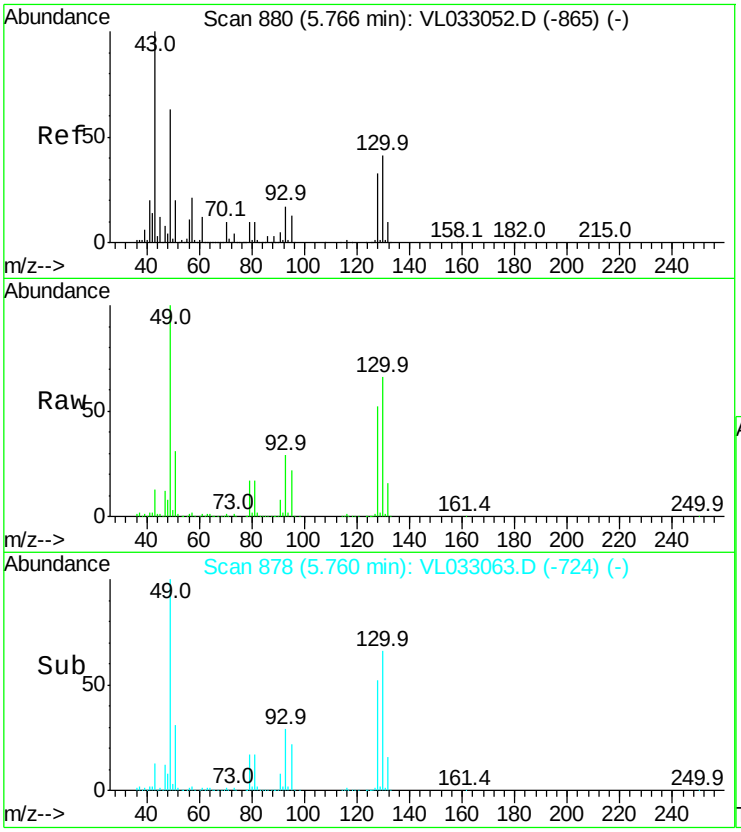
Quantitation Report (Not Reviewed)

Data File : VL033063.D
Acq On : 4 Jan 2019 10:43
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Jan 04 11:52:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 03 19:04:31 2019
QLast Update : Thu Jan 03 19:04:31 2019
Response via : Initial Calibration



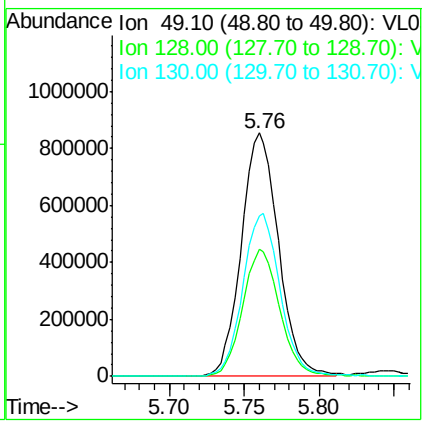


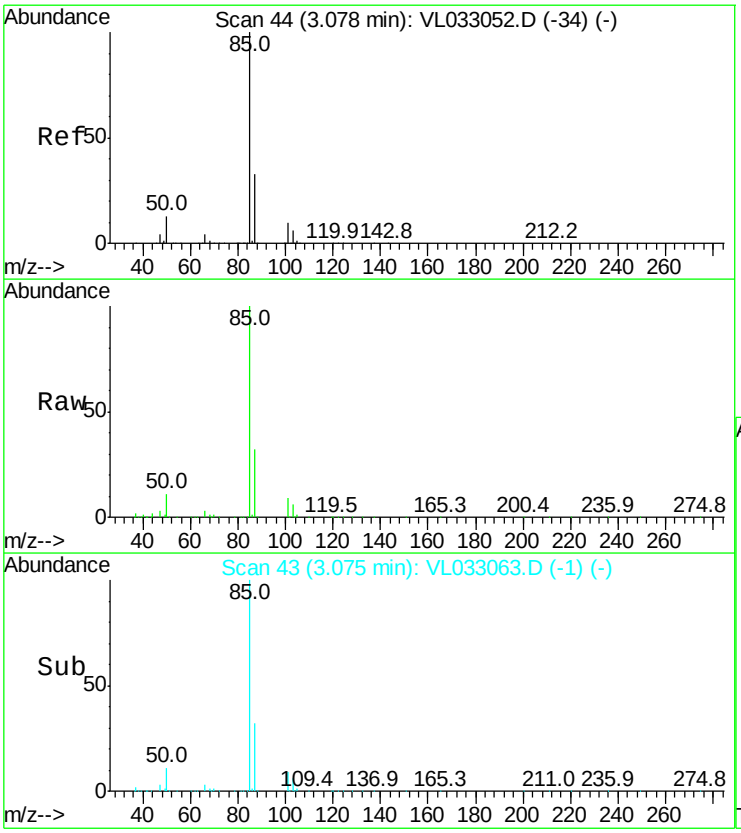
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 1481864

Ion	Ratio	Lower	Upper
49	100		
128	52.6	26.2	78.5
130	67.9	33.6	100.6

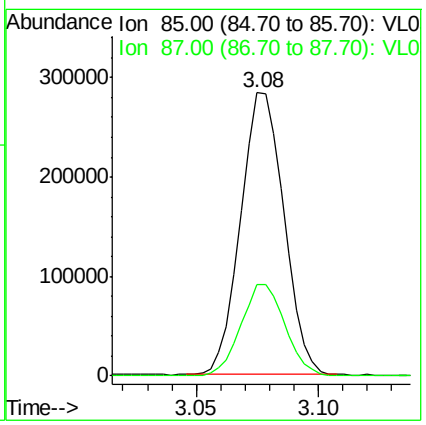


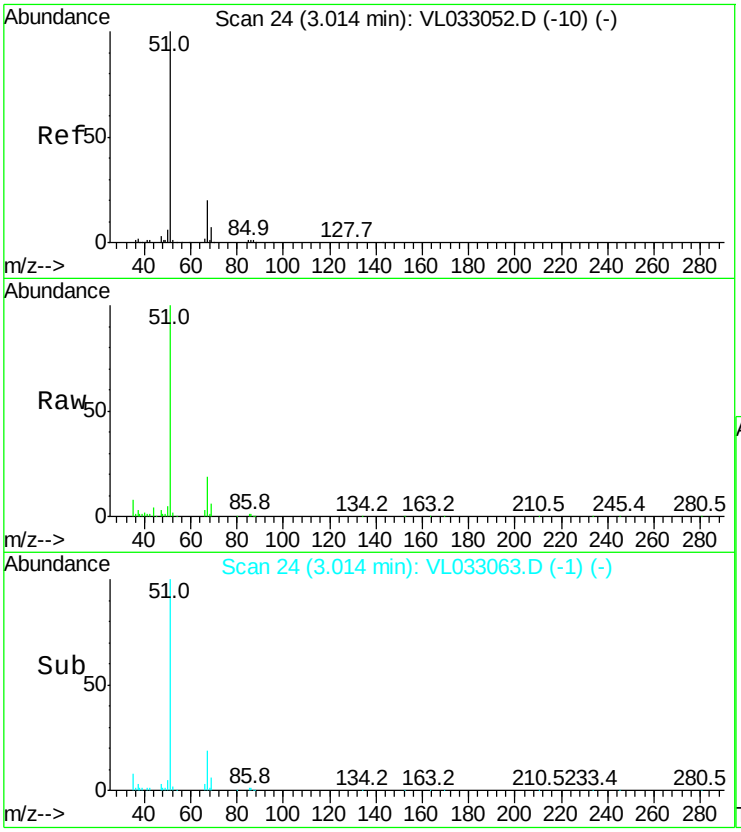


#2
Dichlorodifluoromethane
Concen: 1.054 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 85 Resp: 348147

Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.3	39.5

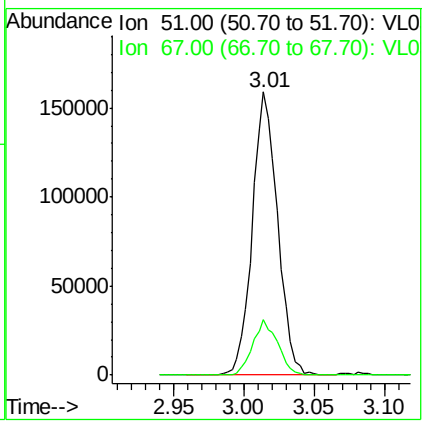




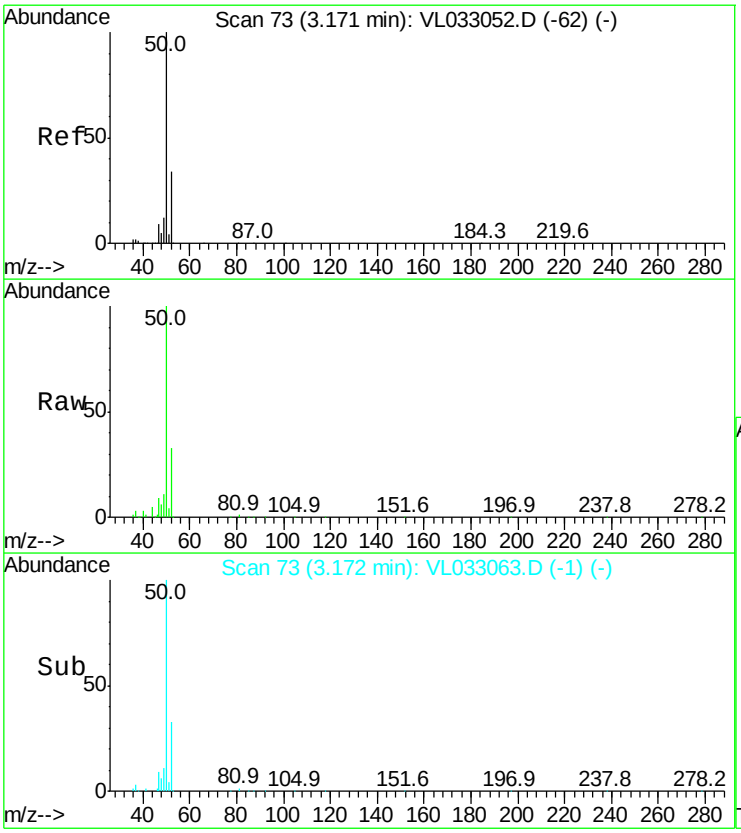
#3
Chlorodifluoromethane
Concen: 1.109 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 51 Resp: 199931

Ion	Ratio	Lower	Upper
51	100		
67	19.2	16.3	24.5



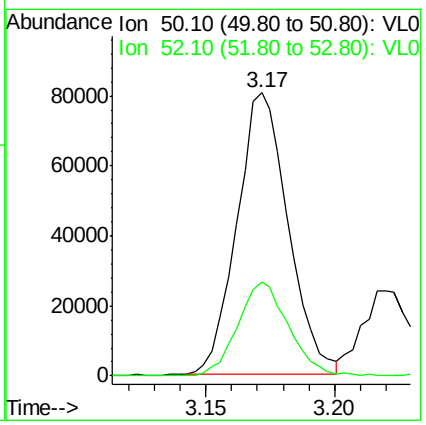
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

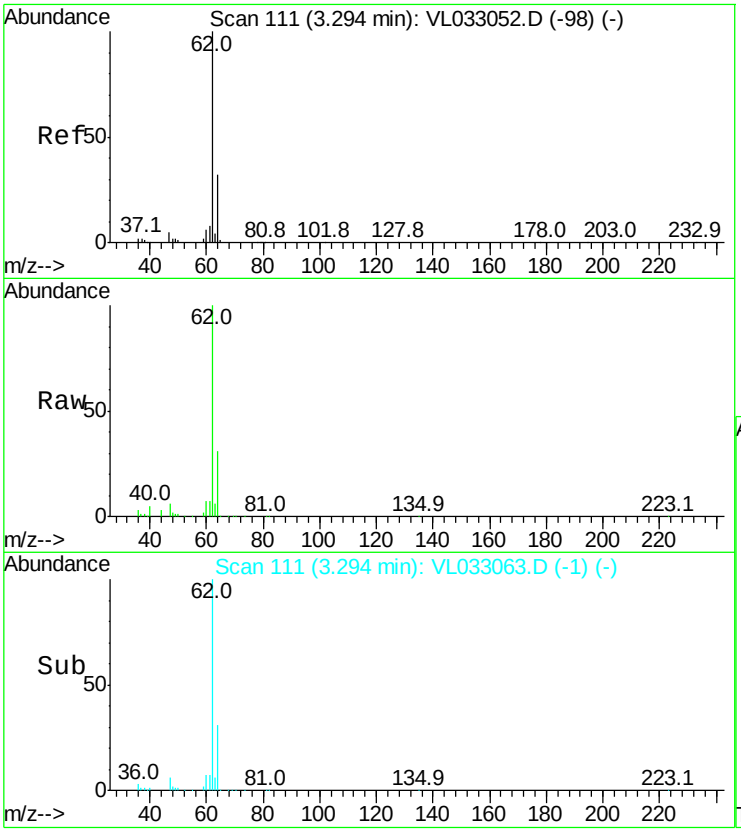


#4
Chloromethane
Concen: 1.067 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 50 Resp: 111839

Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.9	40.3



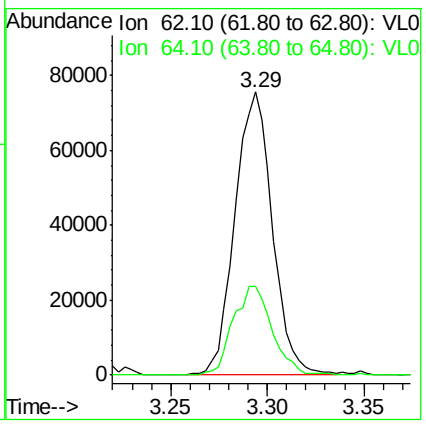


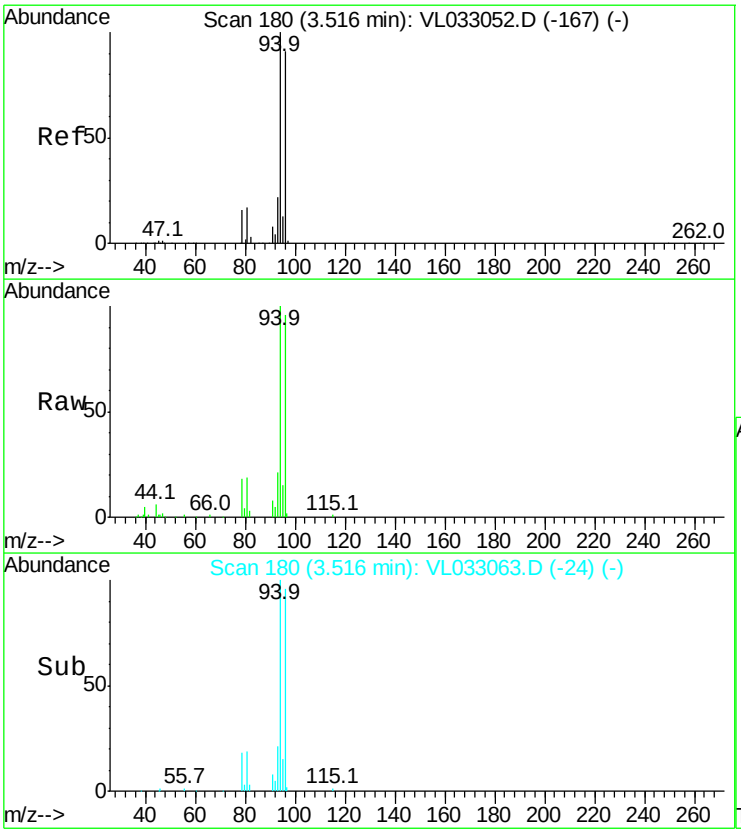
#5
Vinyl Chloride
Concen: 0.915 ppbv
RT: 3.29 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 101860

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.3	37.9

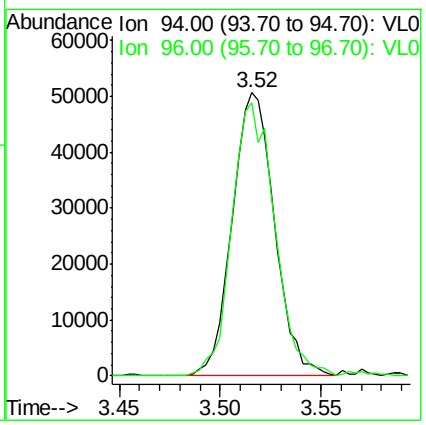


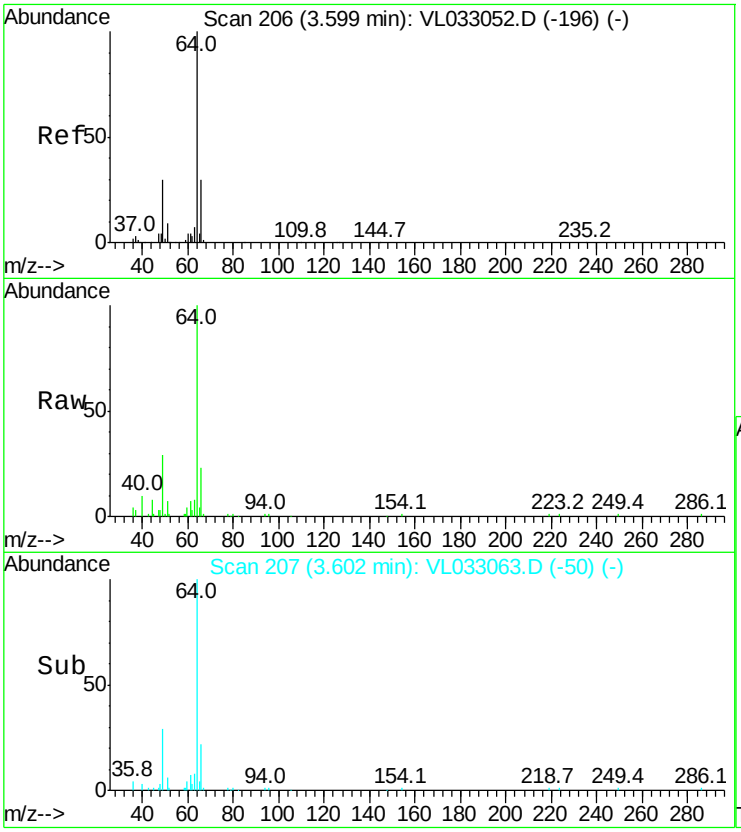


#6
Bromomethane
Concen: 1.101 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 94 Resp: 74607

Ion	Ratio	Lower	Upper
94	100		
96	96.4	72.8	109.2



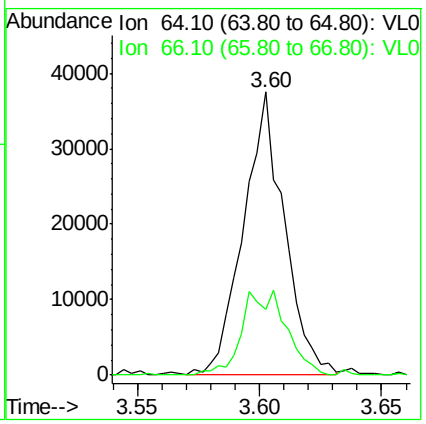


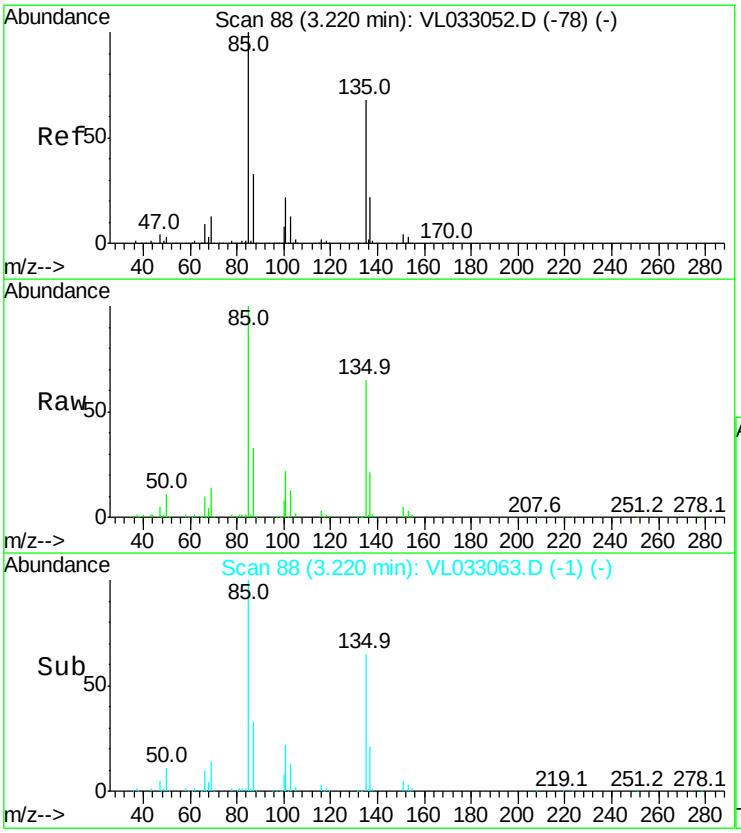
#7
Chloroethane
Concen: 1.138 ppbv
RT: 3.60 min Scan# 207
Delta R.T. 0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 43526

Ion	Ratio	Lower	Upper
64	100		
66	23.4	23.7	35.5#

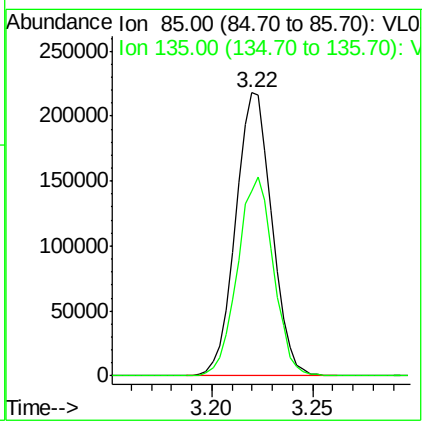


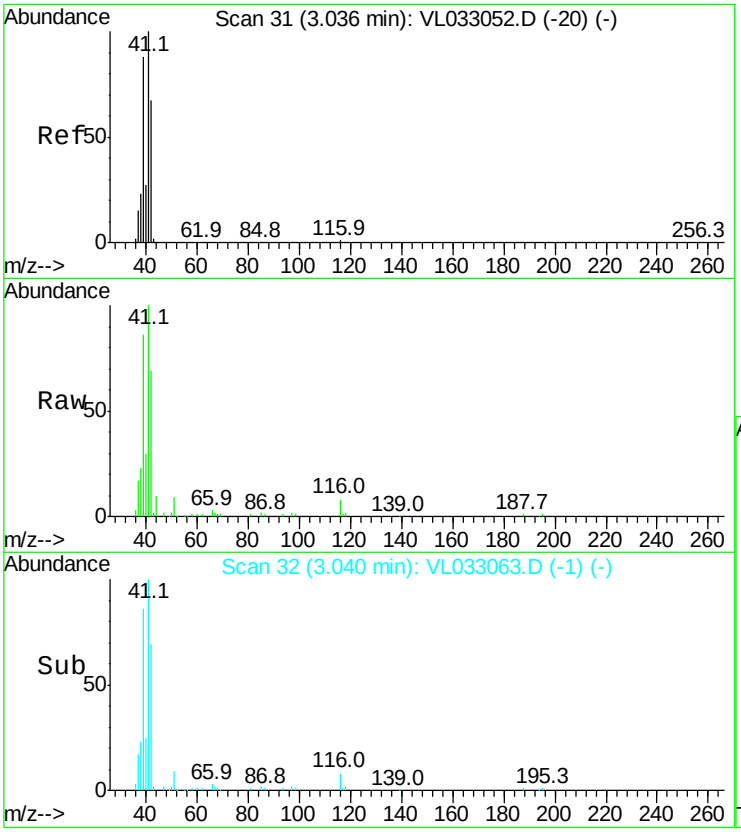


#8
Dichlorotetrafluoroethane
Concen: 1.046 ppbv
RT: 3.22 min Scan# 88
Delta R.T. 0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 85 Resp: 275339

Ion	Ratio	Lower	Upper
85	100		
135	69.6	54.9	82.3

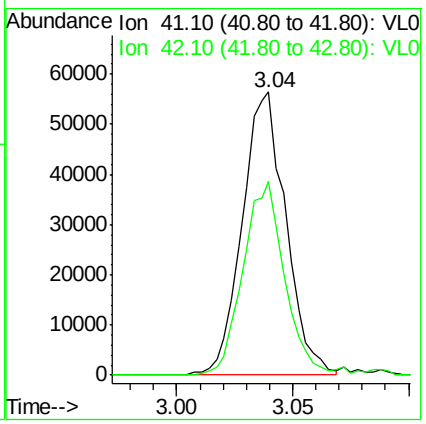




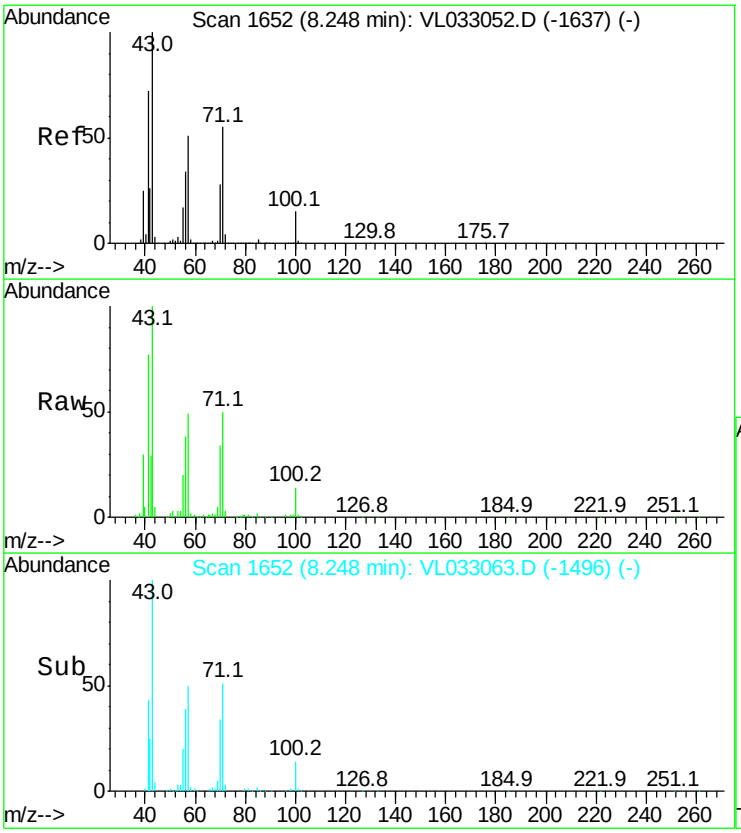
#9
Propene
Concen: 1.055 ppbv
RT: 3.04 min Scan# 32
Delta R.T. 0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 41 Resp: 73821

Ion	Ratio	Lower	Upper
41	100		
42	66.8	55.3	82.9



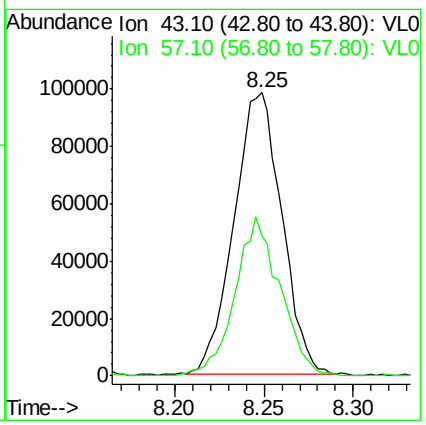
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

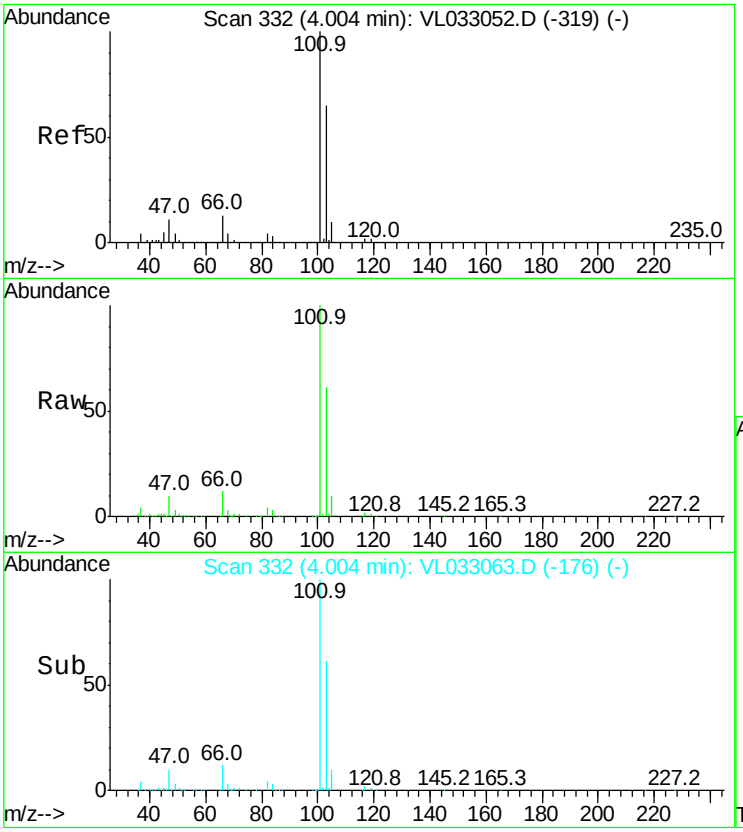


#10
Heptane
Concen: 1.027 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 43 Resp: 183960

Ion	Ratio	Lower	Upper
43	100		
57	53.3	41.9	62.9



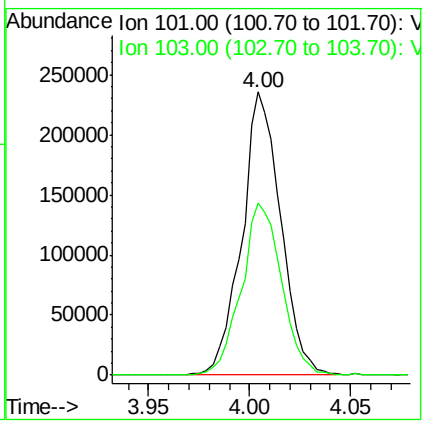


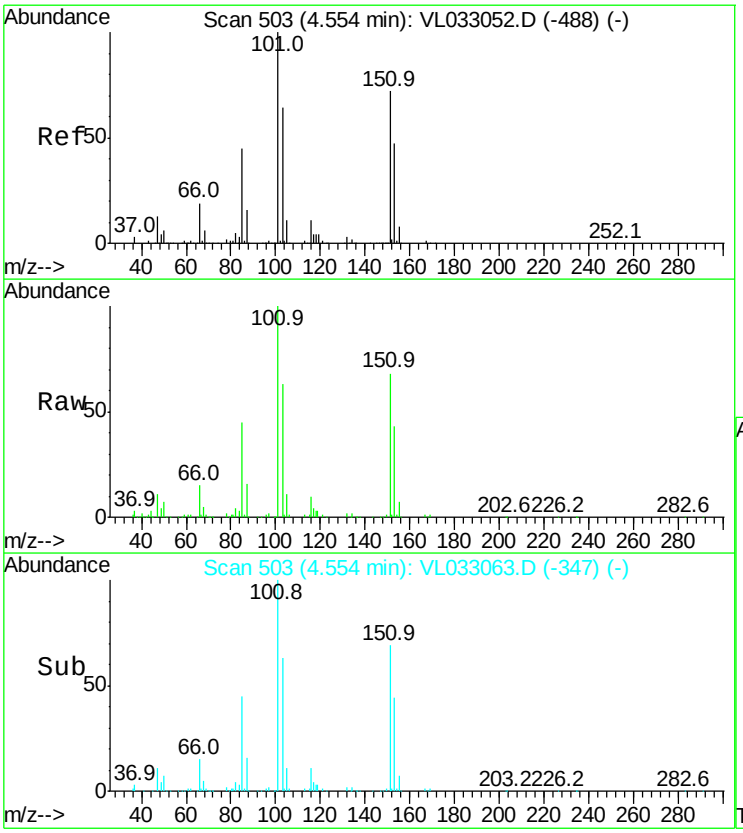
#11
Trichlorofluoromethane
Concen: 1.095 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:101 Resp: 318233

Ion	Ratio	Lower	Upper
101	100		
103	60.6	51.7	77.5

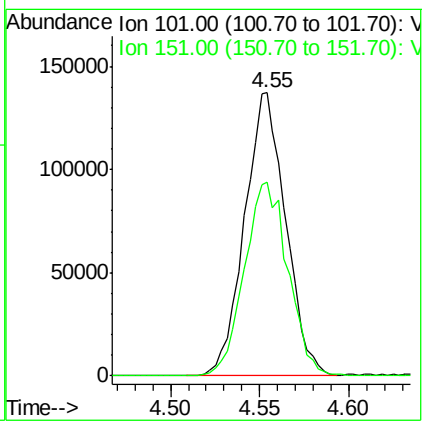


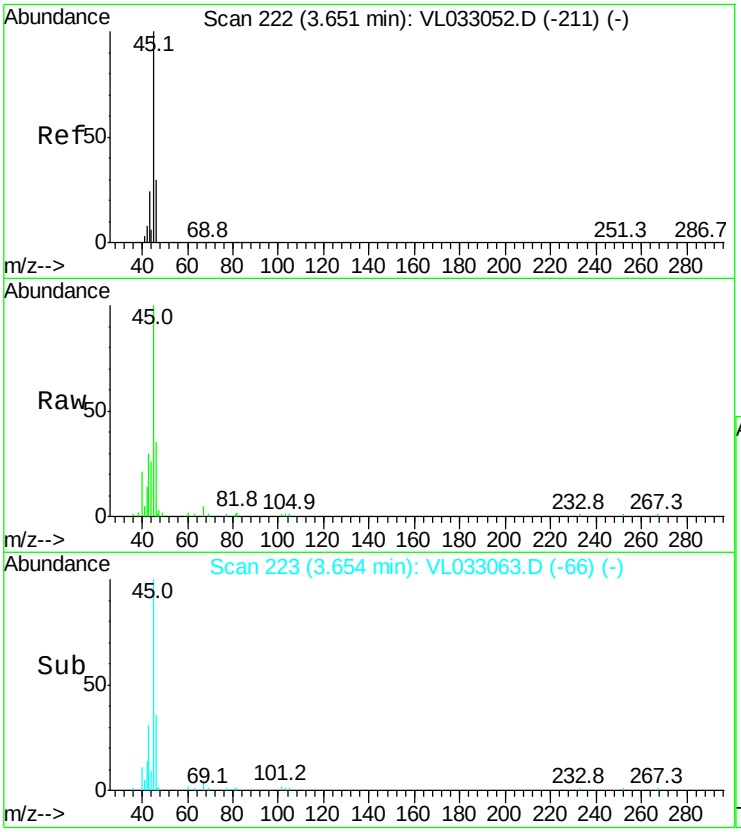


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.126 ppbv
RT: 4.55 min Scan# 503
Delta R.T. 0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion:101 Resp: 221132

Ion	Ratio	Lower	Upper
101	100		
151	72.5	58.3	87.5



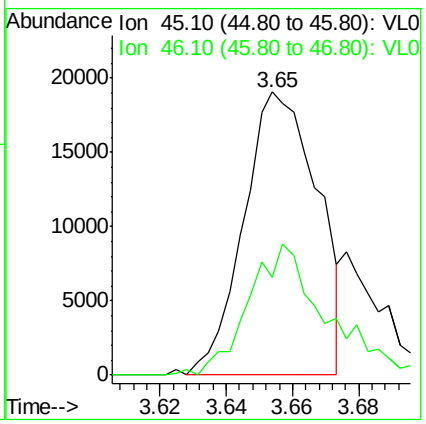


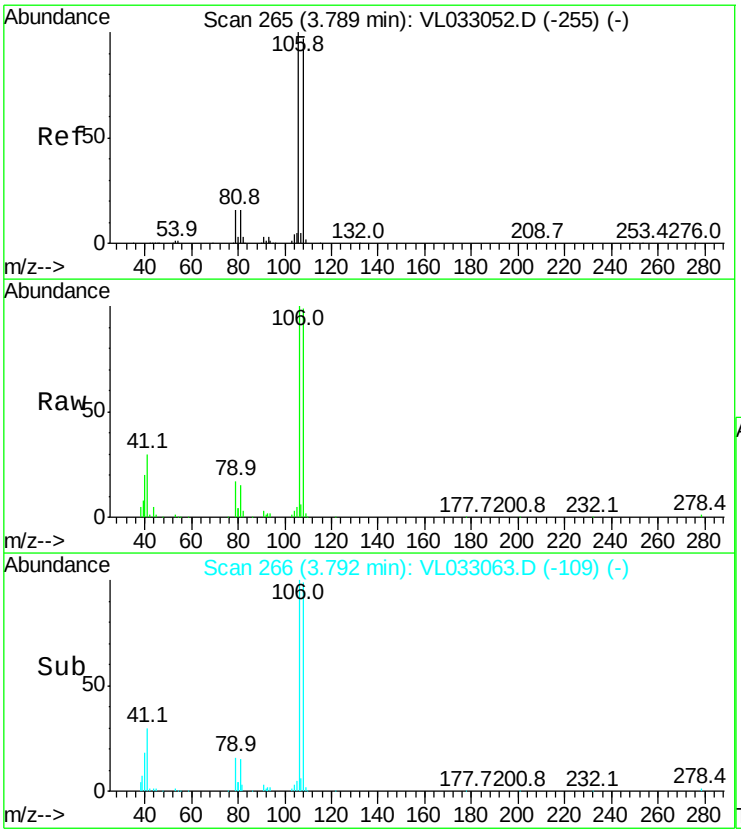
#13
Ethanol
Concen: 1.081 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 29465

Ion	Ratio	Lower	Upper
45	100		
46	50.6	13.8	55.2

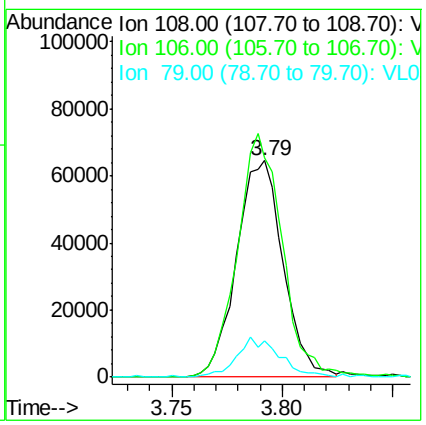


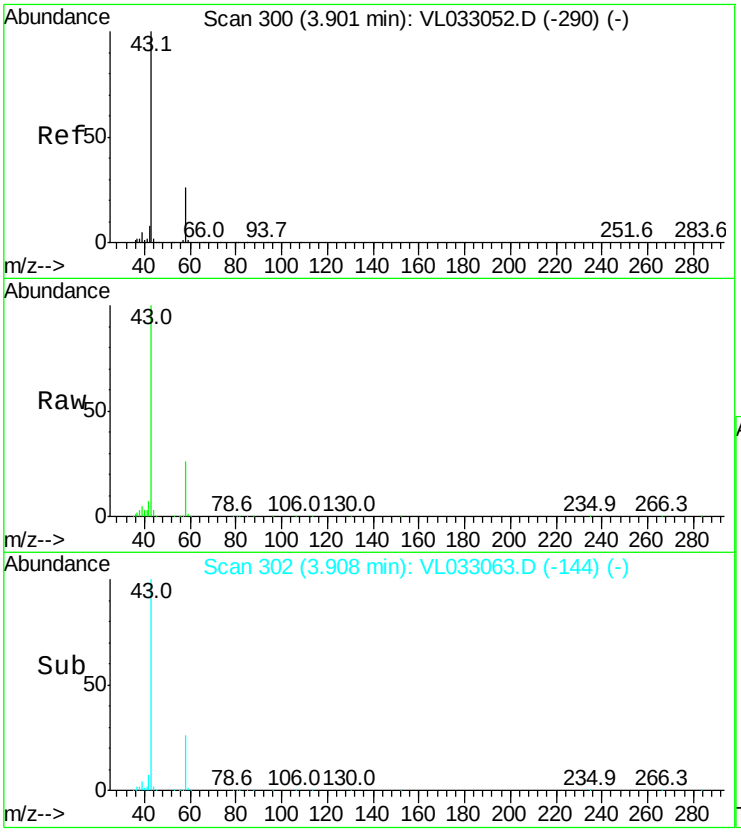


#14
Bromoethene
Concen: 1.136 ppbv
RT: 3.79 min Scan# 266
Delta R.T. 0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion:108 Resp: 95088

Ion	Ratio	Lower	Upper
108	100		
106	108.9	86.4	129.6
79	17.8	14.3	21.5



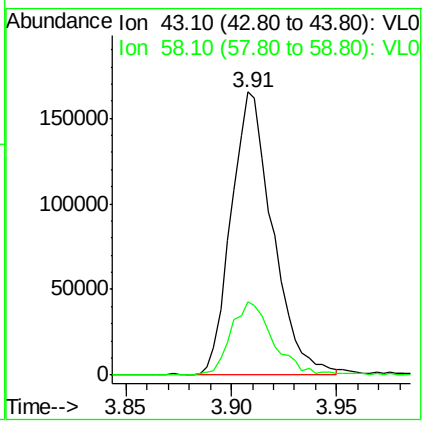


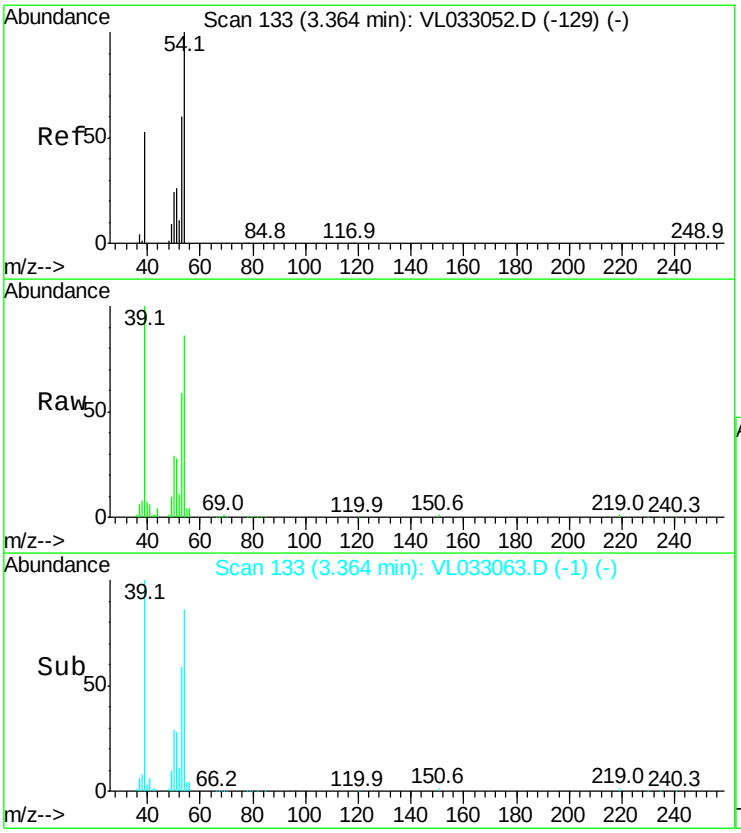
#15
Acetone
Concen: 1.156 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 224049

Ion	Ratio	Lower	Upper
43	100		
58	26.9	21.1	31.7

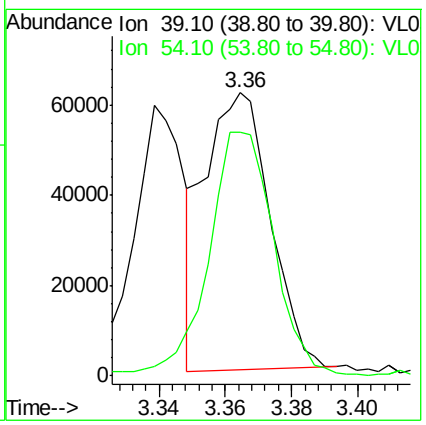


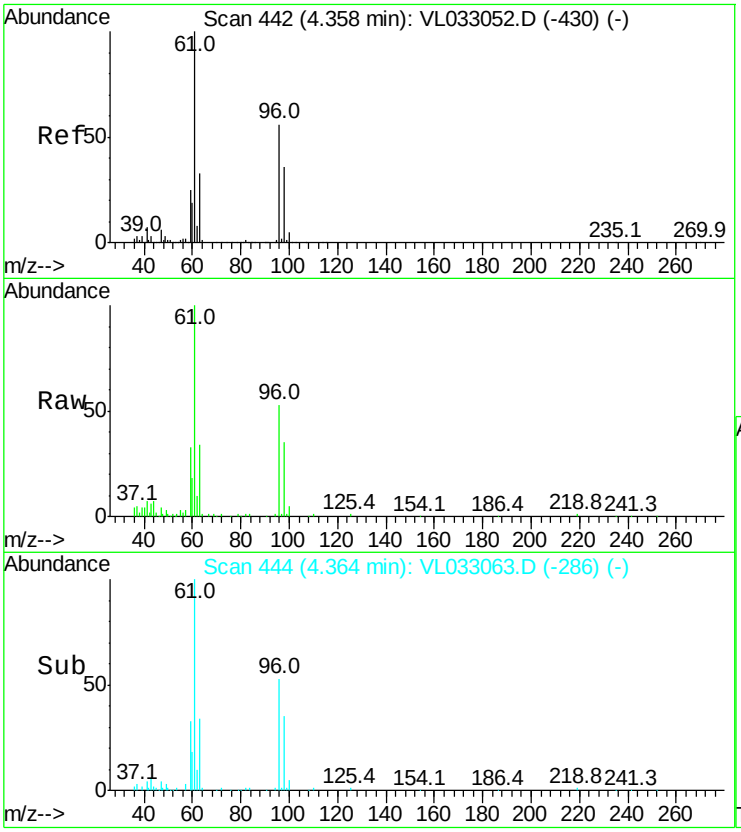


#16
1,3-Butadiene
Concen: 0.990 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 39 Resp: 83603

Ion	Ratio	Lower	Upper
39	100		
54	88.5	73.7	110.5



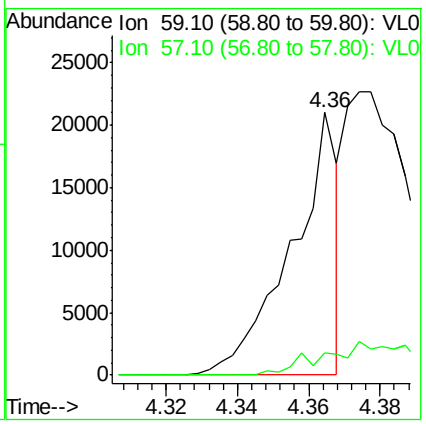


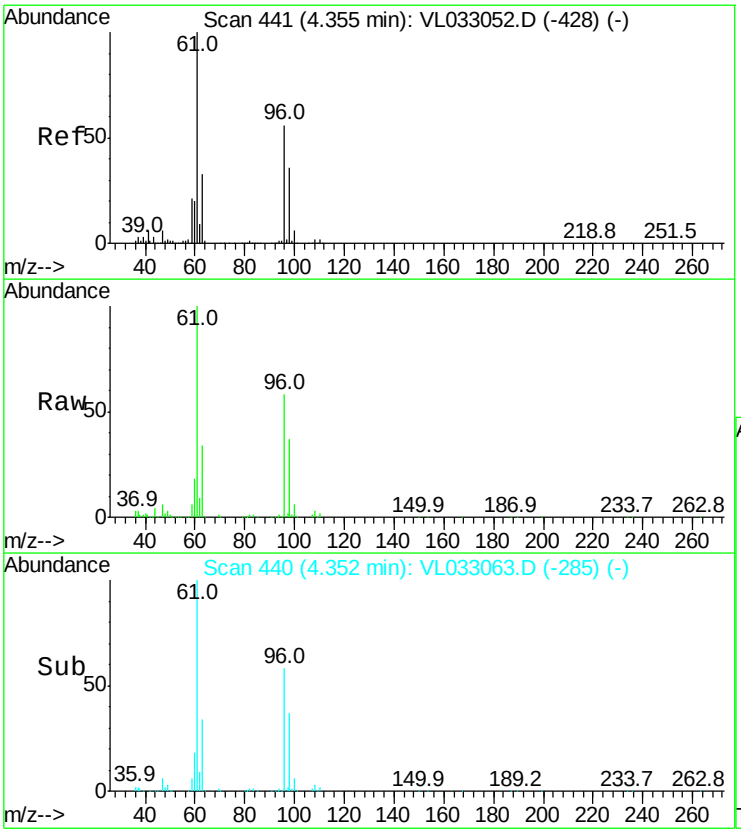
#17
tert-Butyl alcohol
Concen: 0.433 ppbv
RT: 4.36 min Scan# 444
Delta R.T. 0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 18757

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.7	11.5#

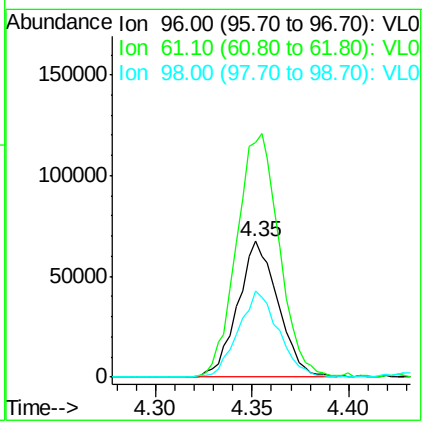


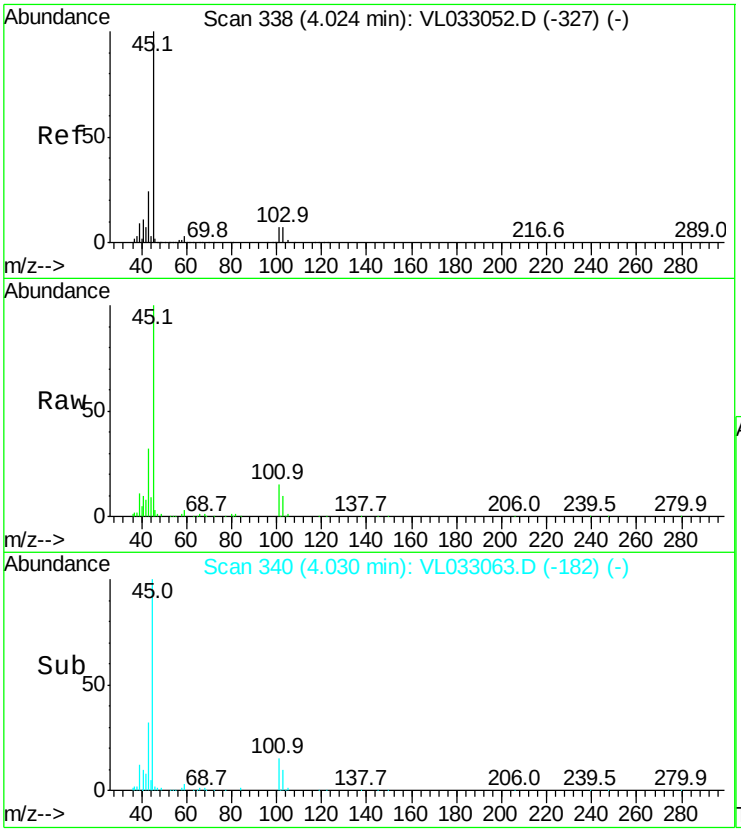


#18
1,1-Dichloroethene
Concen: 1.109 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 96 Resp: 97662

Ion	Ratio	Lower	Upper
96	100		
61	172.1	143.7	215.5
98	63.7	52.1	78.1



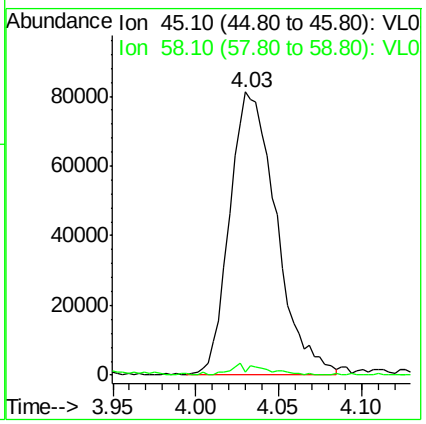


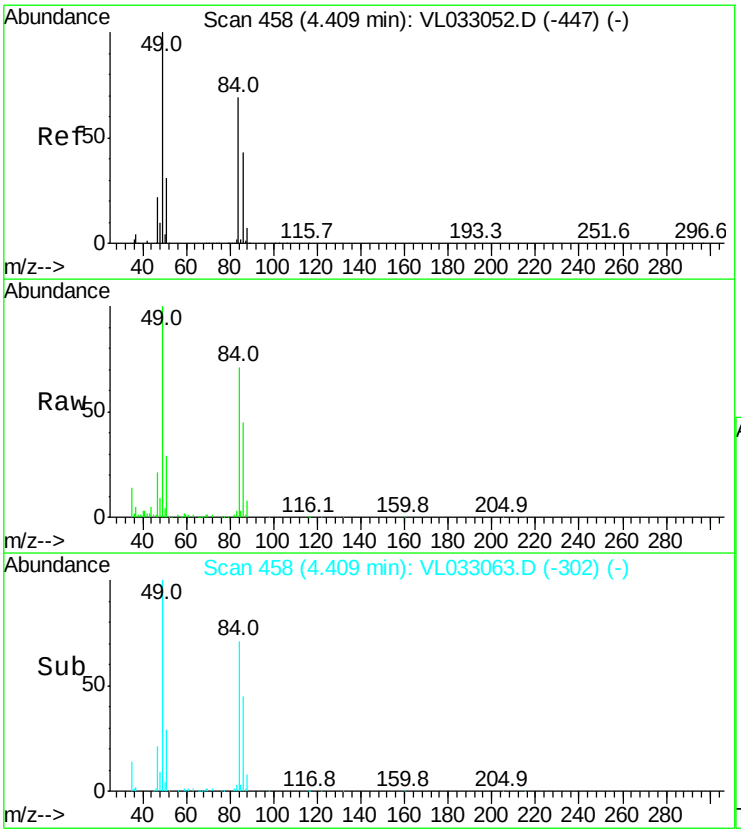
#19
Isopropyl Alcohol
Concen: 1.215 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 157256

Ion	Ratio	Lower	Upper
45	100		
58	3.6	1.4	2.2#

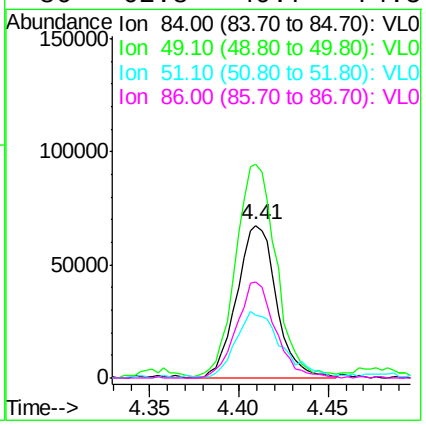


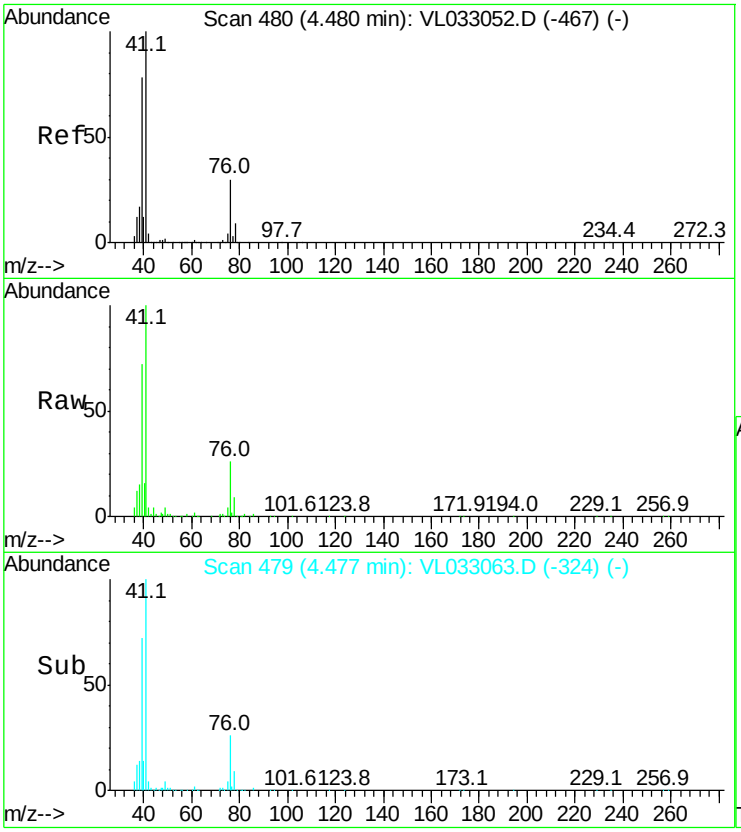


#20
Methylene Chloride
Concen: 1.228 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 84 Resp: 105301

Ion	Ratio	Lower	Upper
84	100		
49	138.1	115.8	173.6
51	39.5	35.7	53.5
86	62.8	49.7	74.5



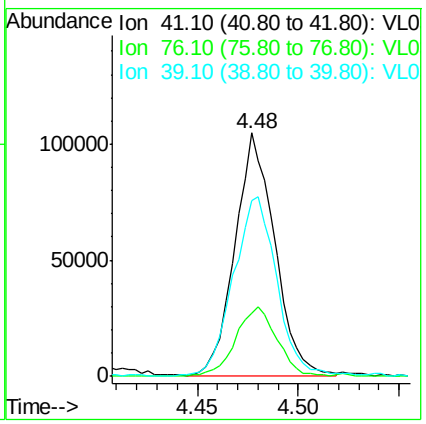


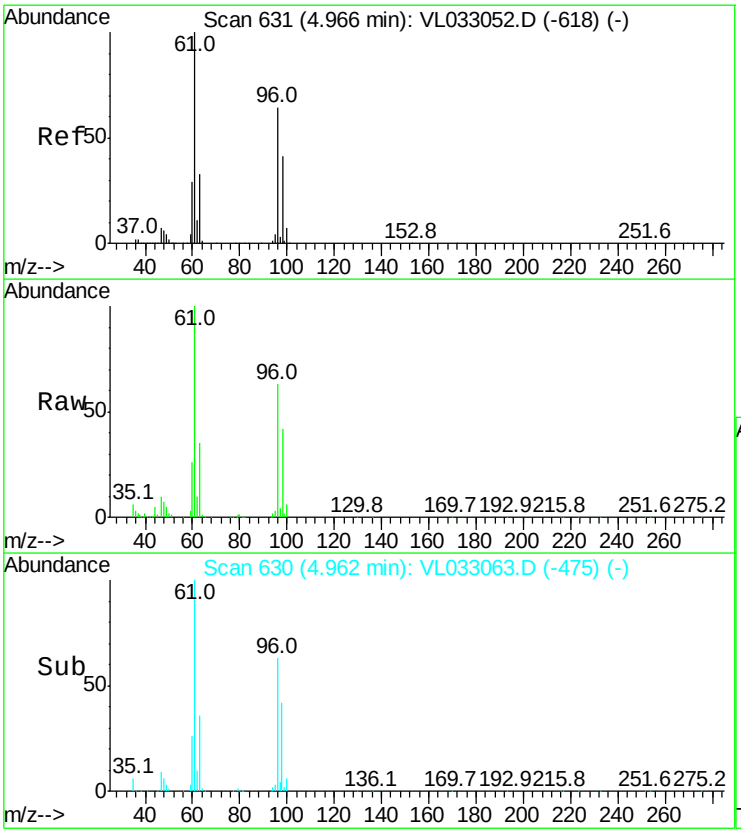
#21
Allyl Chloride
Concen: 1.107 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 145922

Ion	Ratio	Lower	Upper
41	100		
76	29.9	24.6	36.8
39	79.4	62.8	94.2

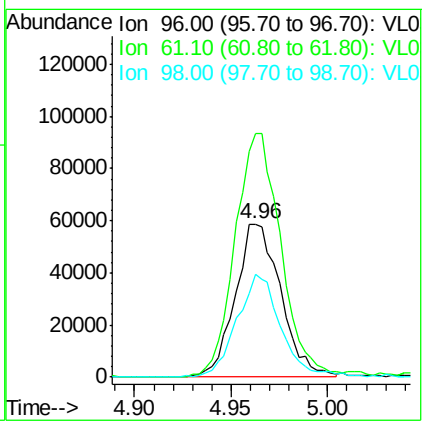


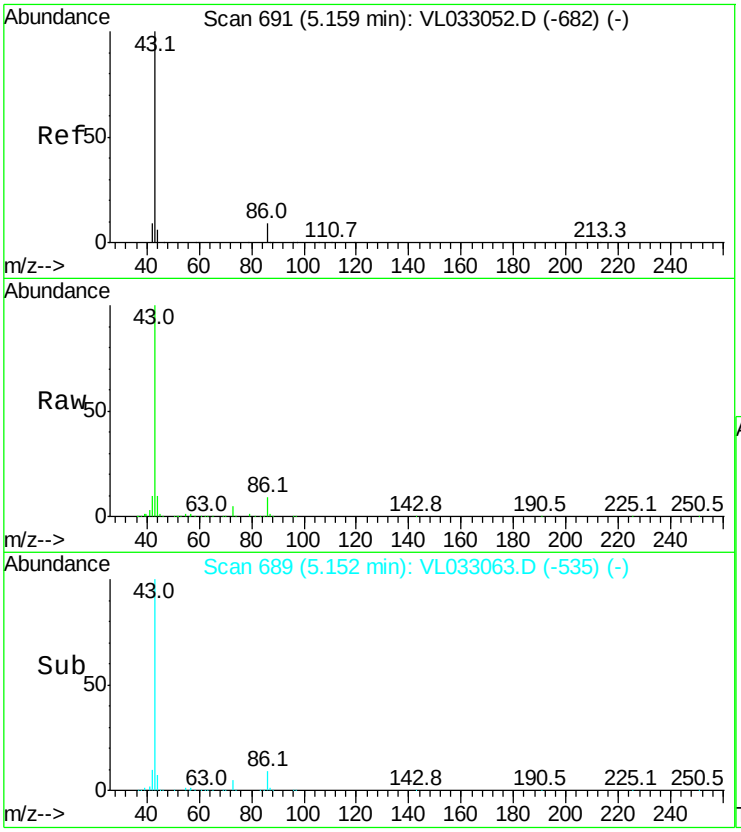


#22
trans-1,2-Dichloroethene
Concen: 1.116 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 96 Resp: 95970

Ion	Ratio	Lower	Upper
96	100		
61	158.7	125.2	187.8
98	65.9	50.9	76.3



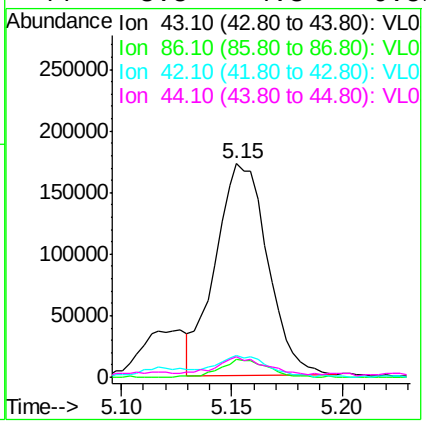


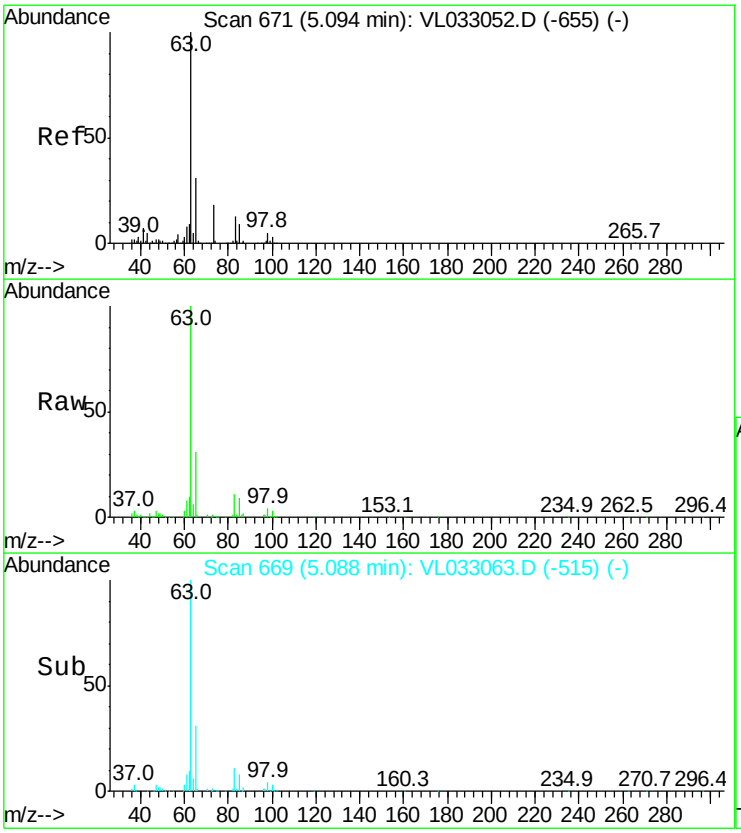
#23
Vinyl Acetate
Concen: 1.056 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 282743

Ion	Ratio	Lower	Upper
43	100		
86	8.7	6.2	9.4
42	9.9	8.1	12.1
44	8.5	4.3	6.5#

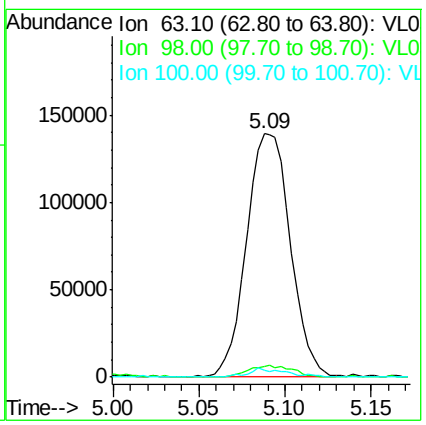


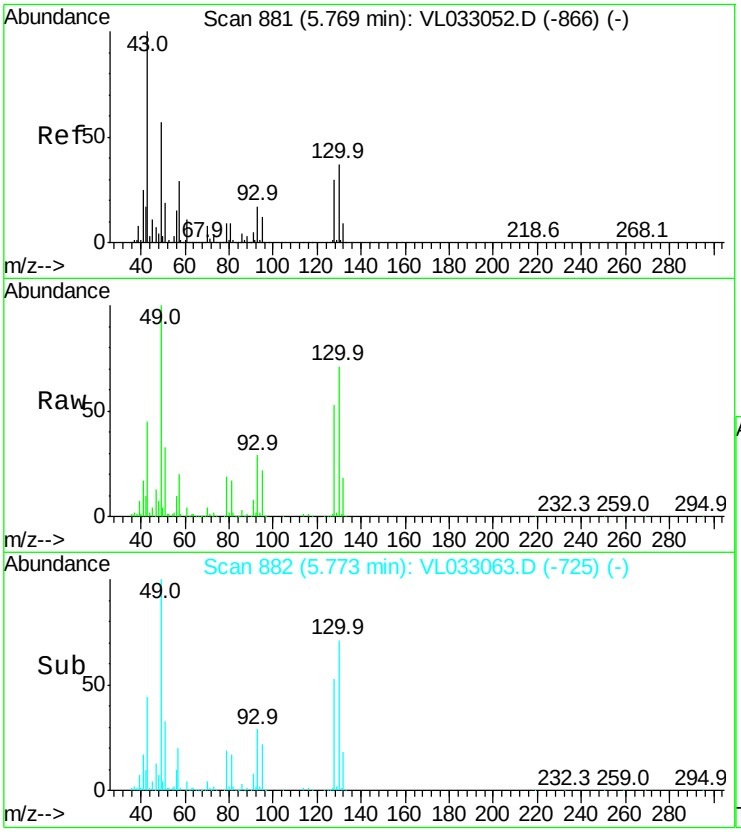


#24
1,1-Dichloroethane
Concen: 1.104 ppbv
RT: 5.09 min Scan# 669
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 63 Resp: 245369

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.4	7.2
100	2.9	1.4	4.0



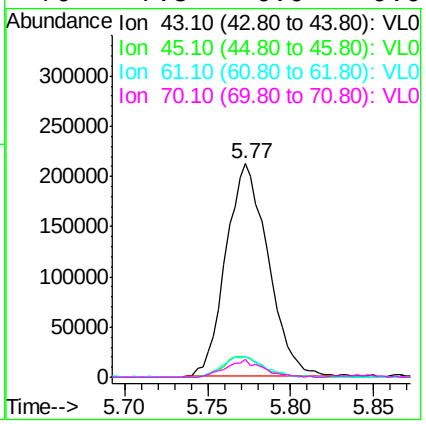


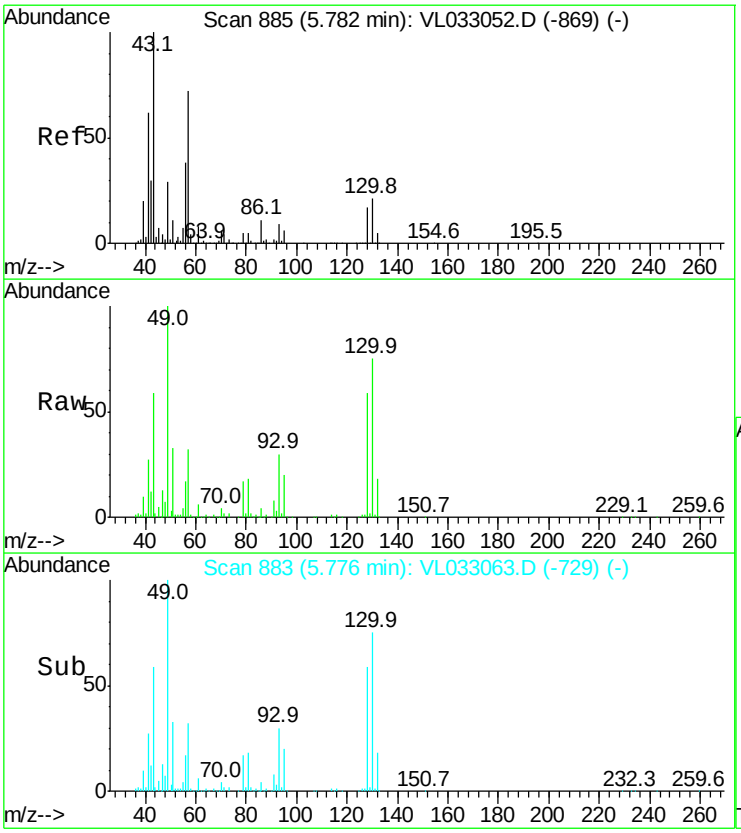
#25
Ethyl Acetate
Concen: 1.071 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 371833

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	9.6	7.8	11.8
70	7.3	6.0	9.0

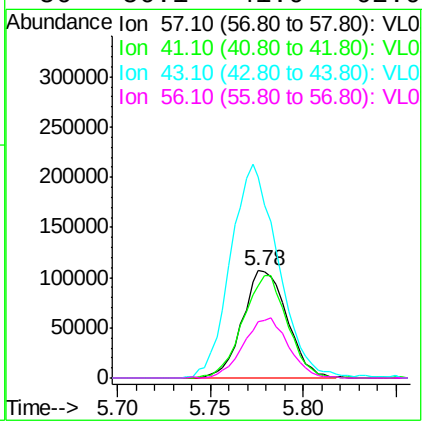


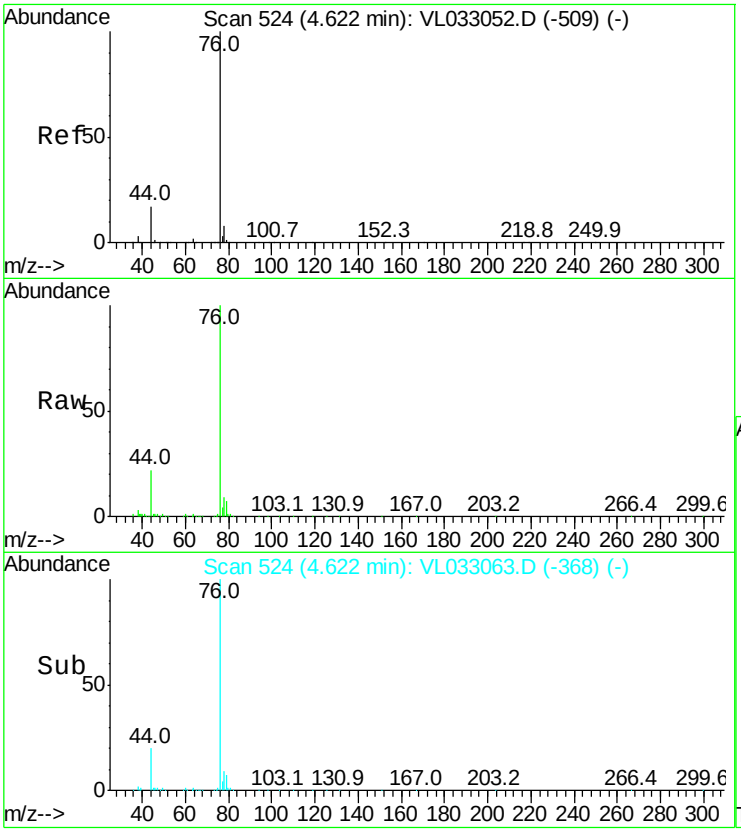


#26
Hexane
Concen: 1.091 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 57 Resp: 179504

Ion	Ratio	Lower	Upper
57	100		
41	95.7	70.8	106.2
43	212.8	171.8	257.6
56	56.1	41.9	62.9



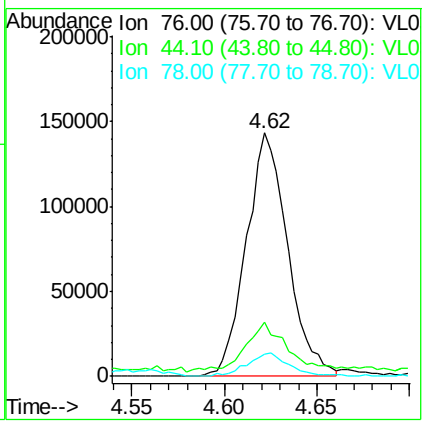


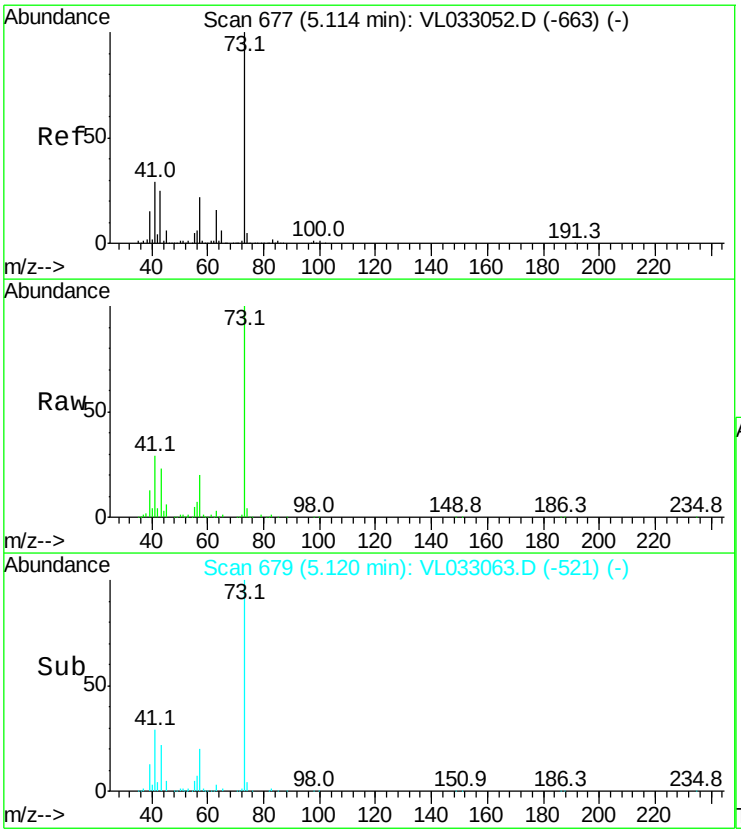
#27
Carbon Disulfide
Concen: 1.081 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 222302

Ion	Ratio	Lower	Upper
76	100		
44	22.5	13.9	20.9#
78	9.8	7.3	10.9

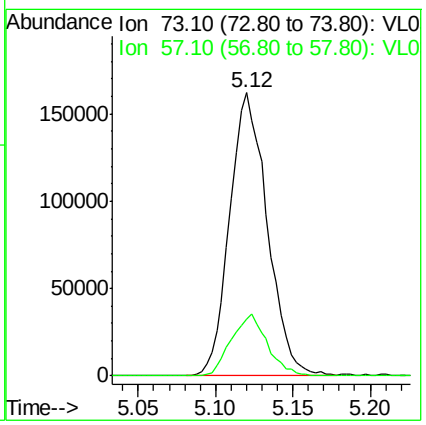


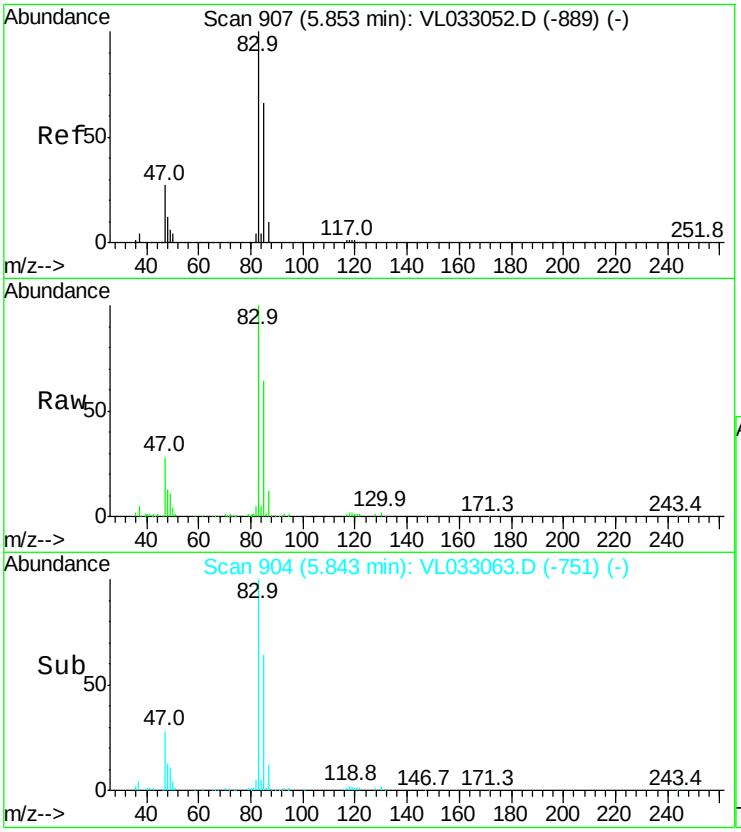


#28
Methyl tert-Butyl Ether
Concen: 1.063 ppbv
RT: 5.12 min Scan# 679
Delta R.T. 0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 73 Resp: 273933

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.5	26.3



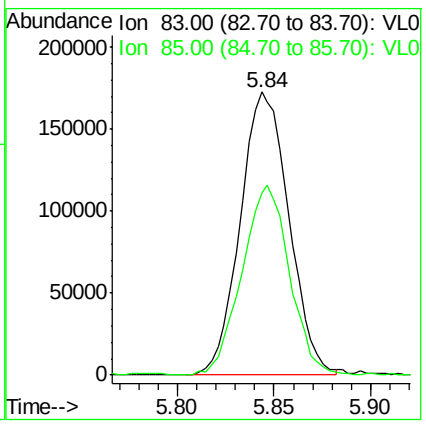


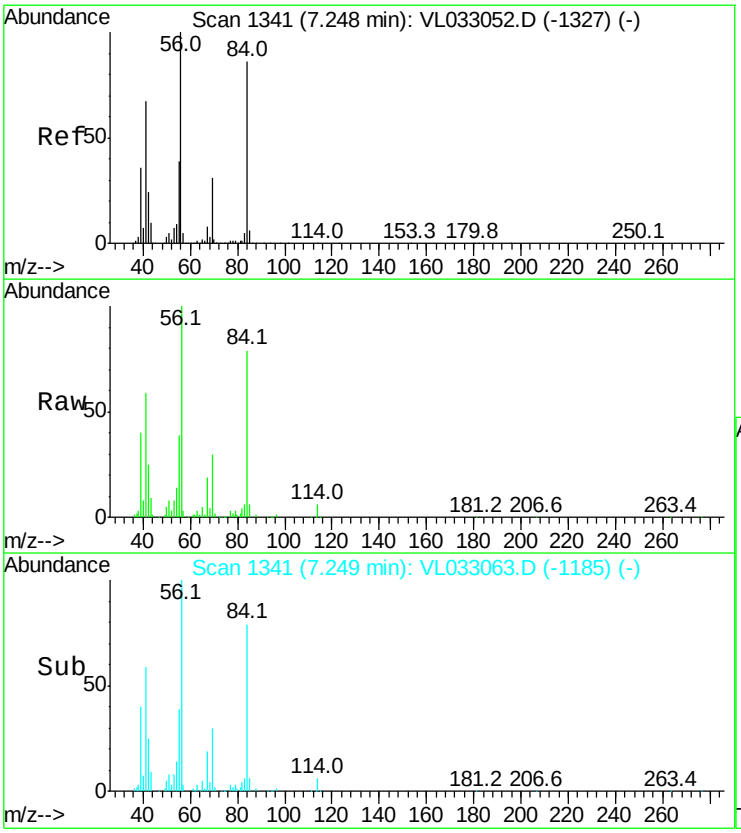
#29
Chloroform
Concen: 1.100 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 300058

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.5	78.7

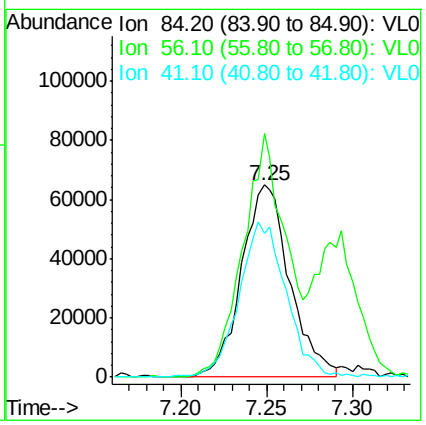


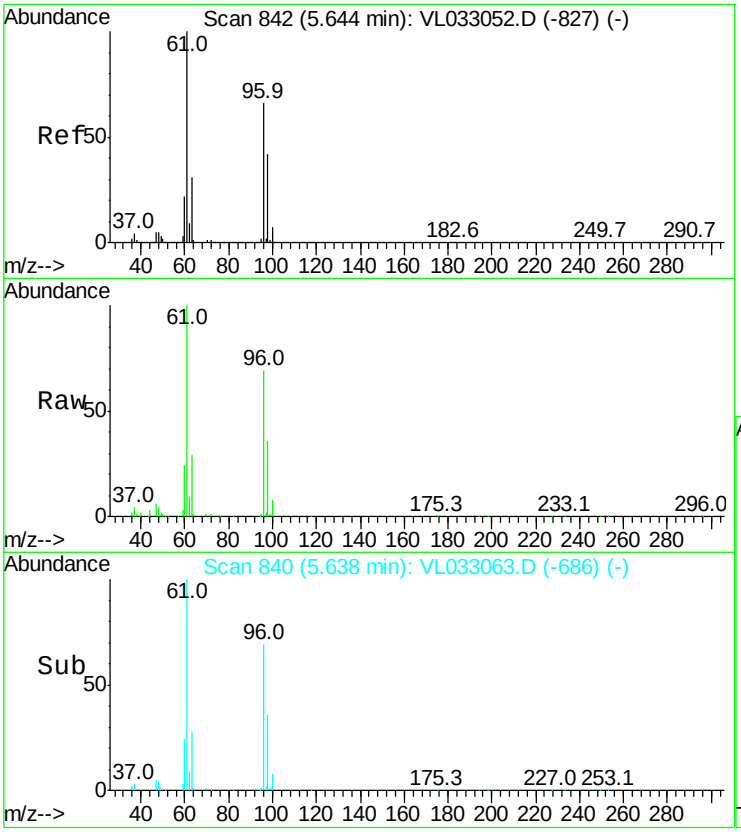


#30
Cyclohexane
Concen: 1.019 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 84 Resp: 125903

Ion	Ratio	Lower	Upper
84	100		
56	112.7	101.8	152.6
41	80.2	63.2	94.8



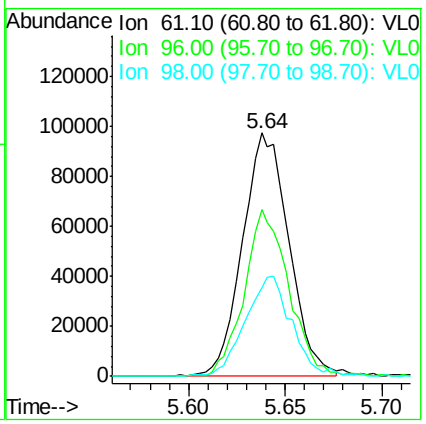


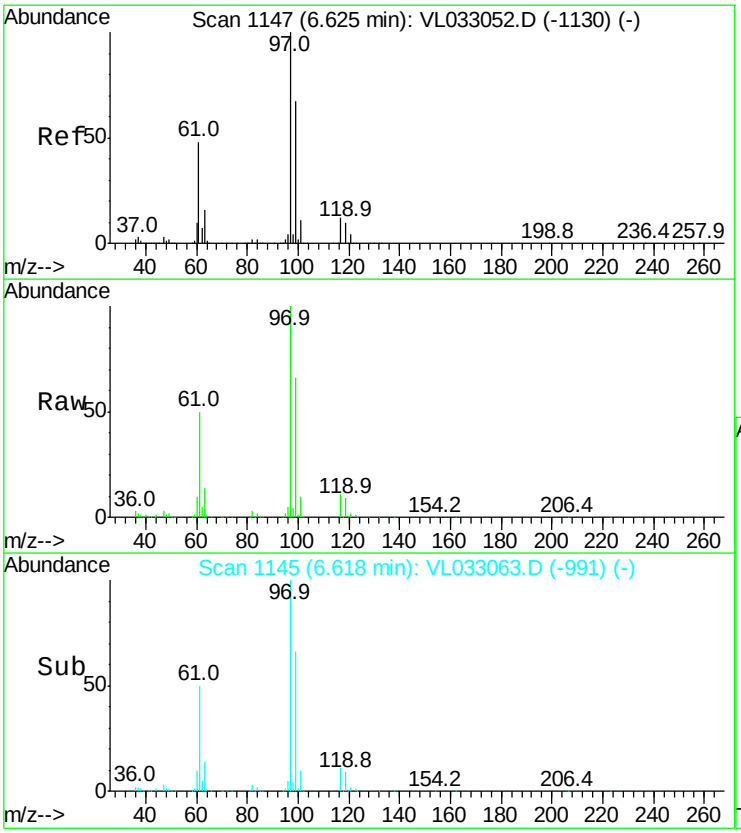
#31
cis-1,2-Dichloroethene
Concen: 1.060 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 161537

Ion	Ratio	Lower	Upper
61	100		
96	68.7	52.8	79.2
98	36.3	33.8	50.6

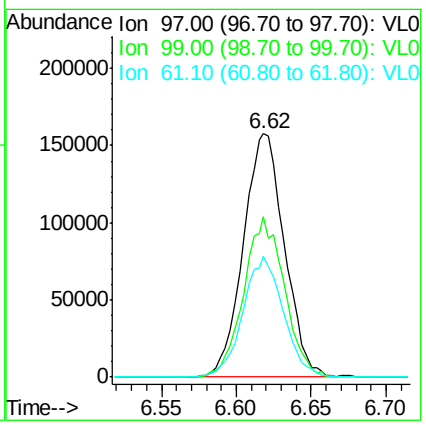


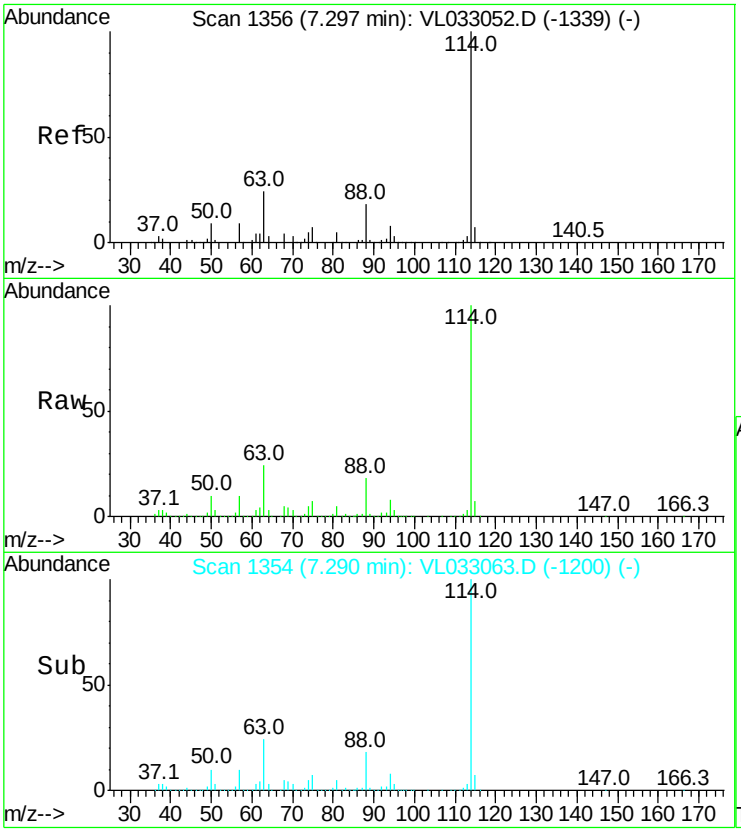


#32
1,1,1-Trichloroethane
Concen: 1.048 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 97 Resp: 301623

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.1	76.7
61	48.8	38.3	57.5



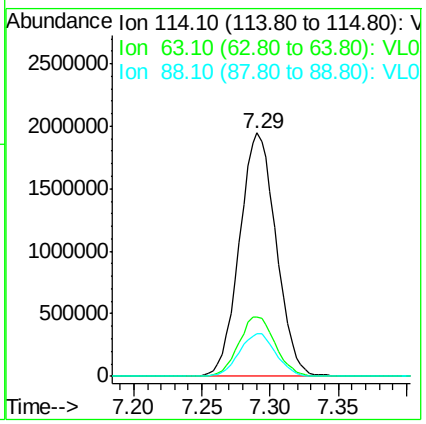


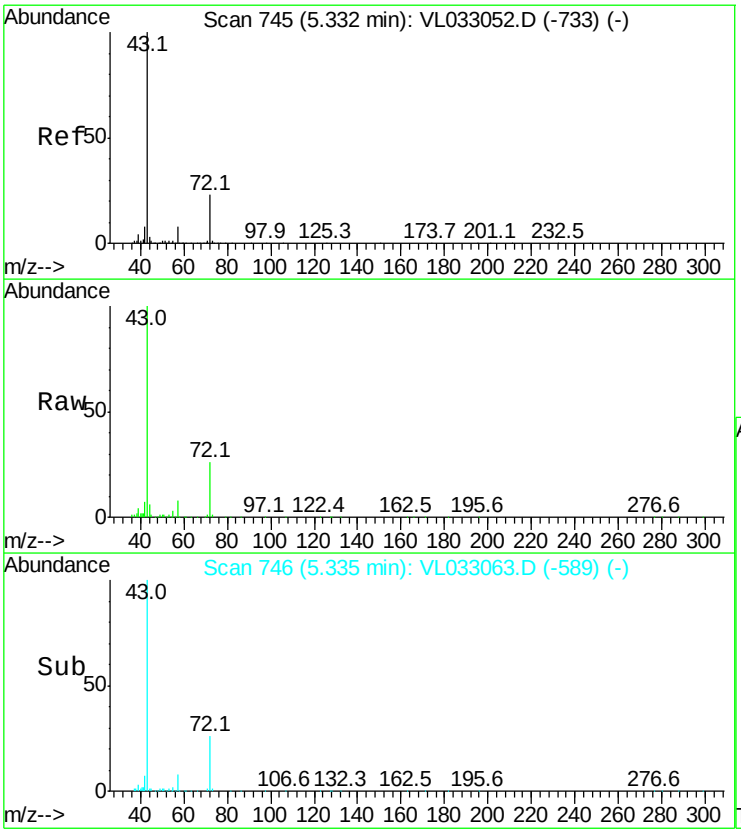
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 3621550

Ion	Ratio	Lower	Upper
114	100		
63	24.6	20.1	30.1
88	17.5	14.0	21.0

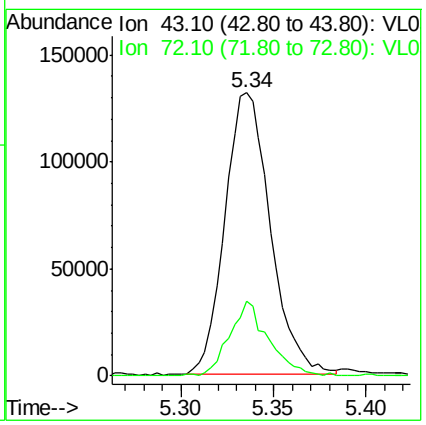


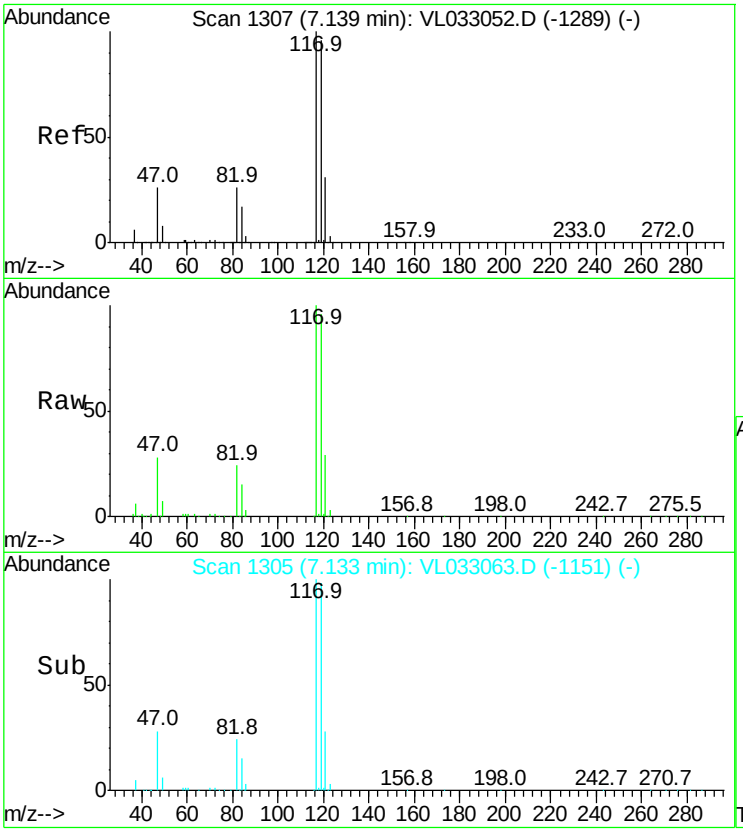


#34
2-Butanone
Concen: 1.063 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 43 Resp: 224686

Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.9	28.3



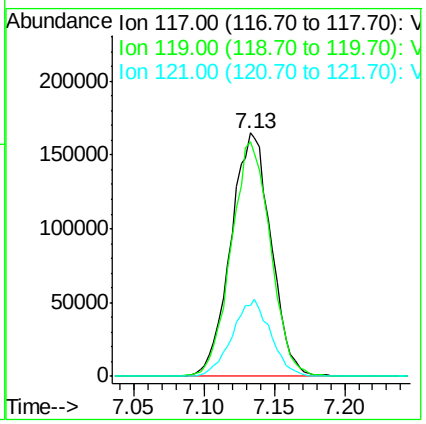


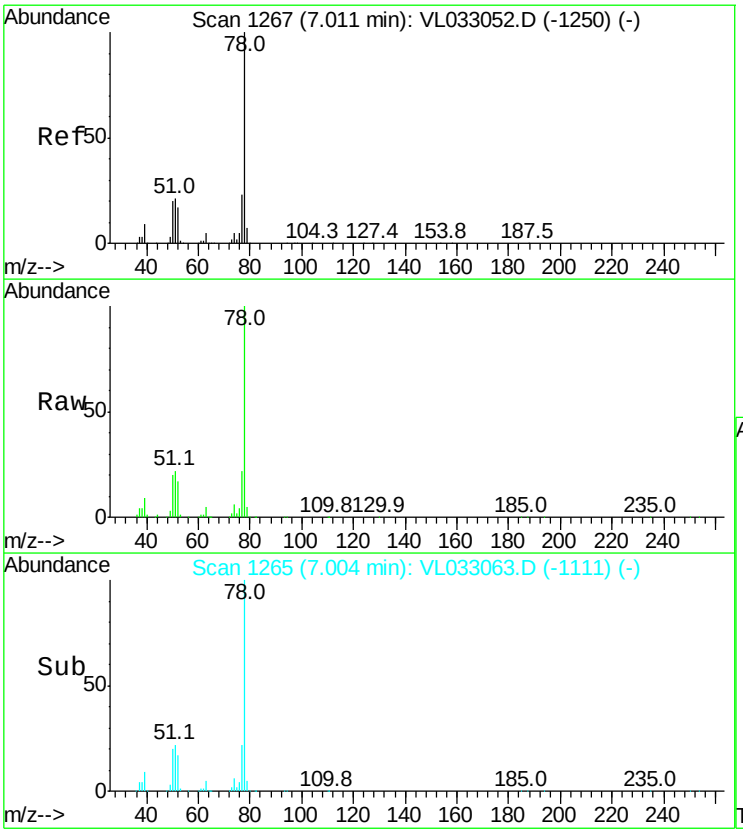
#35
Carbon Tetrachloride
Concen: 1.055 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 329924

Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.5	114.7
121	29.2	25.2	37.8

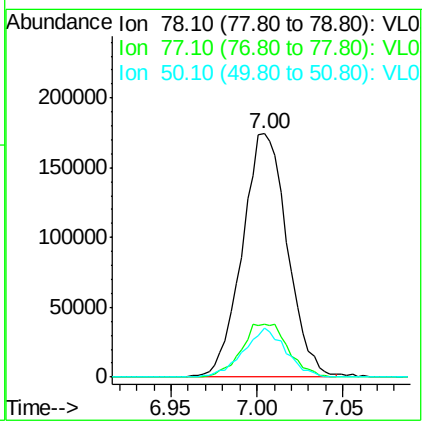


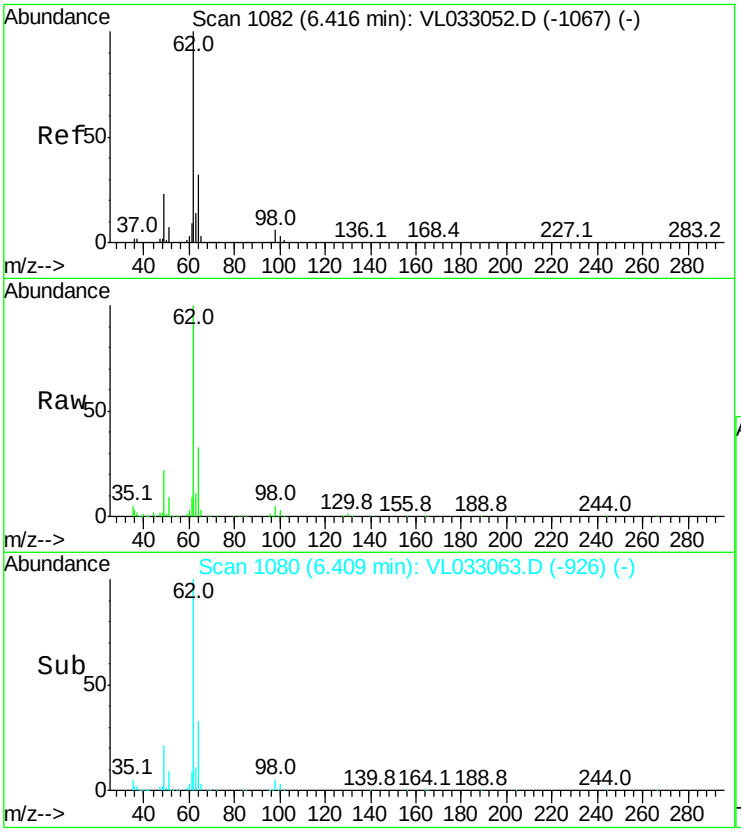


#36
Benzene
Concen: 1.065 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 78 Resp: 317438

Ion	Ratio	Lower	Upper
78	100		
77	21.8	18.5	27.7
50	20.3	15.7	23.5



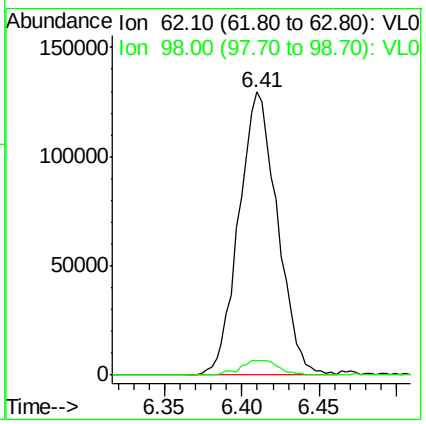


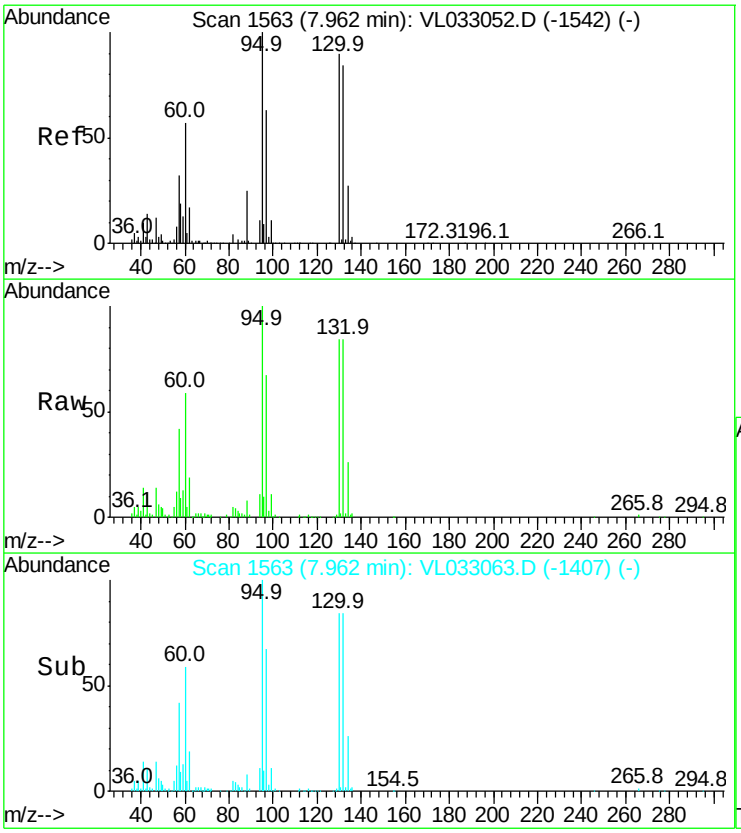
#37
1,2-Dichloroethane
Concen: 1.113 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 225591

Ion	Ratio	Lower	Upper
62	100		
98	5.3	4.6	7.0

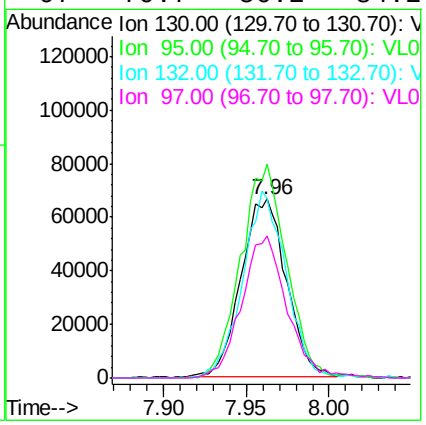


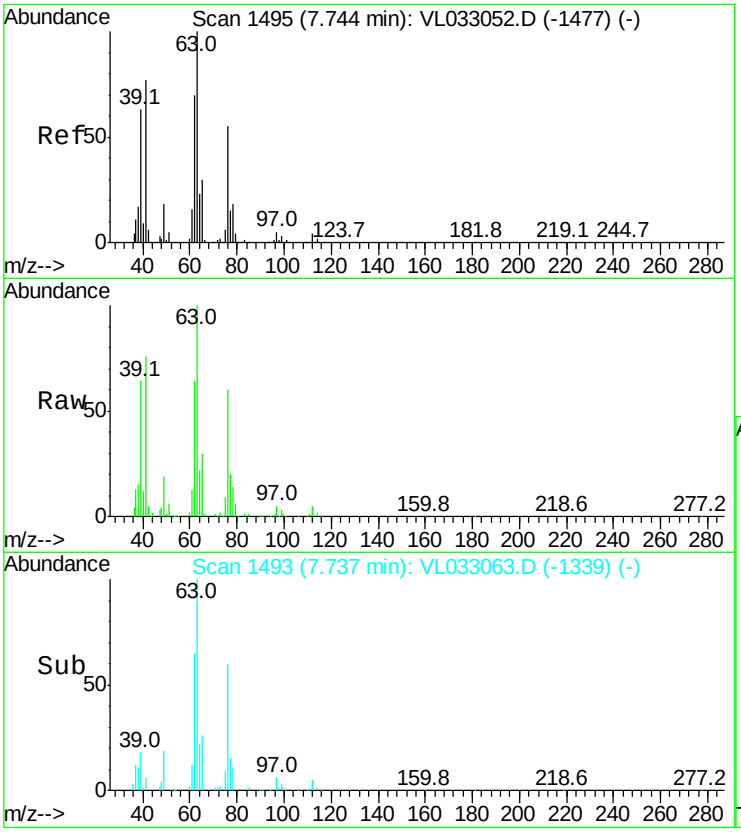


#38
Trichloroethene
Concen: 1.018 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion:130 Resp: 126671

Ion	Ratio	Lower	Upper
130	100		
95	119.8	88.6	132.8
132	100.7	74.2	111.2
97	79.7	56.2	84.2



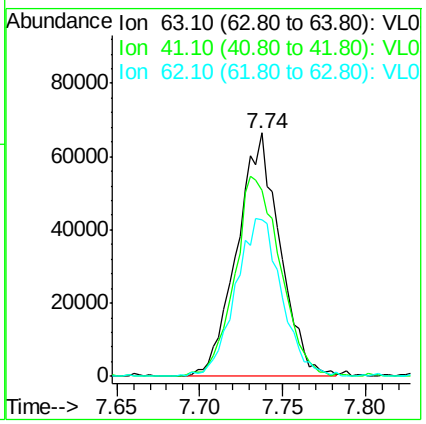


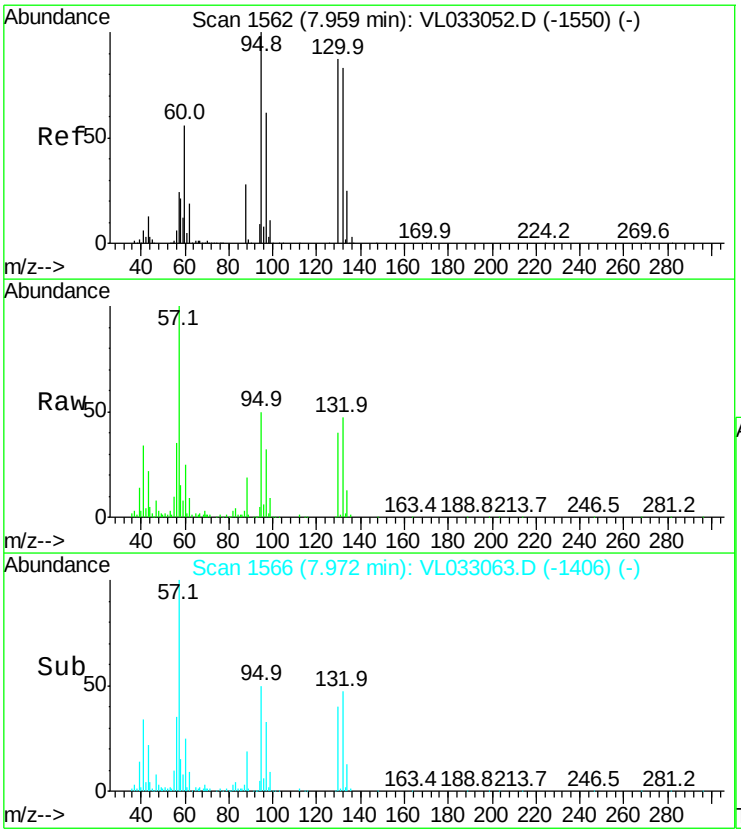
#39
1,2-Dichloropropane
Concen: 1.070 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 119629

Ion	Ratio	Lower	Upper
63	100		
41	76.0	61.9	92.9
62	63.9	55.8	83.6

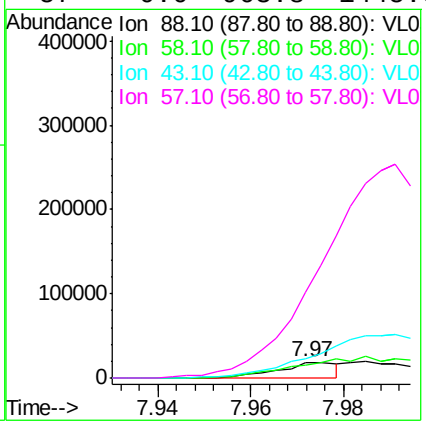


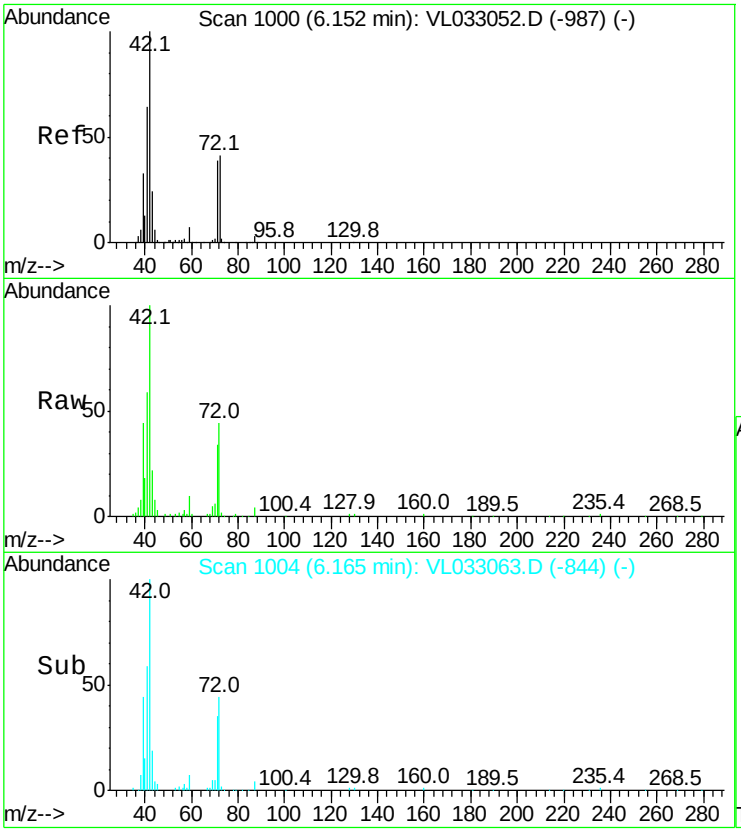


#40
1,4-Dioxane
Concen: 0.400 ppbv
RT: 7.97 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 88 Resp: 16975

Ion	Ratio	Lower	Upper
88	100		
58	0.0	101.9	152.9#
43	0.0	212.6	319.0#
57	0.0	963.8	1445.6#



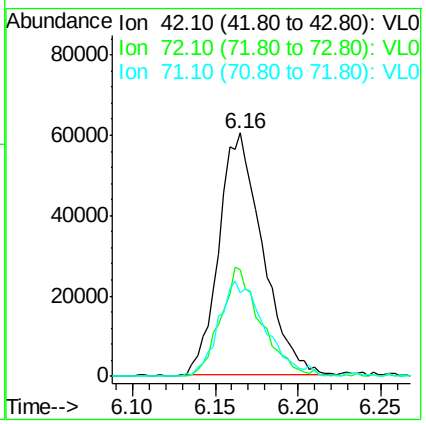


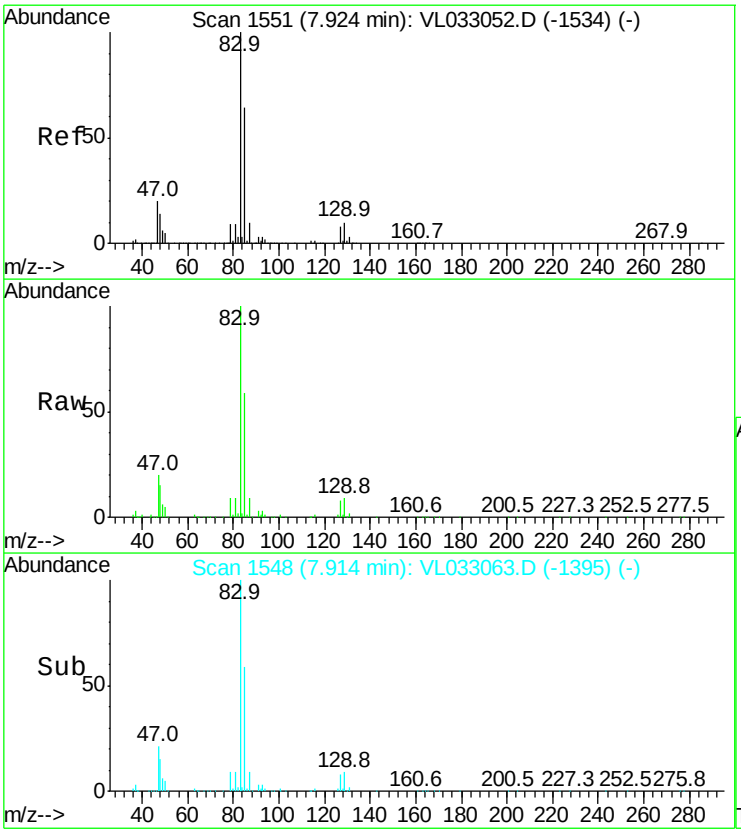
#41
Tetrahydrofuran
Concen: 1.023 ppbv
RT: 6.16 min Scan# 1004
Delta R.T. 0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 110351

Ion	Ratio	Lower	Upper
42	100		
72	41.9	32.9	49.3
71	42.0	31.8	47.6

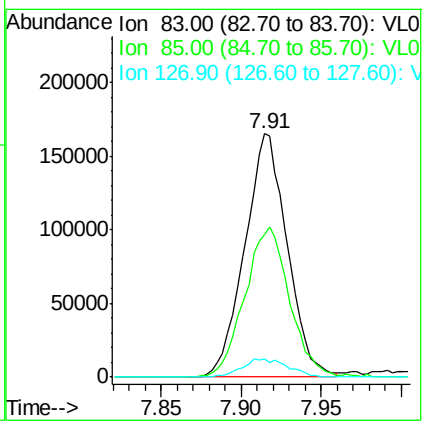


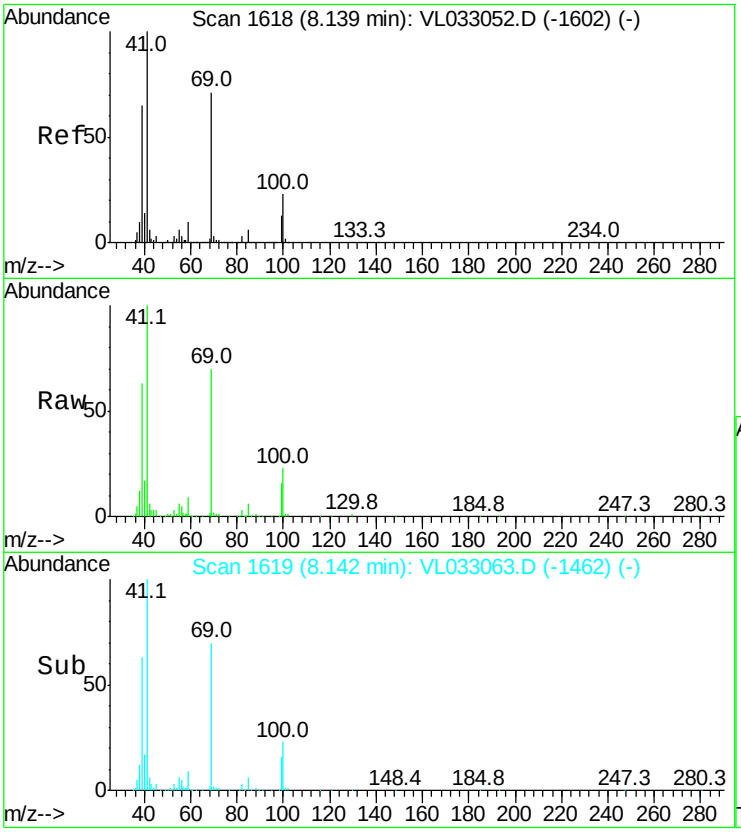


#42
Bromodichloromethane
Concen: 1.035 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 83 Resp: 301750

Ion	Ratio	Lower	Upper
83	100		
85	58.7	51.0	76.4
127	7.8	6.5	9.7



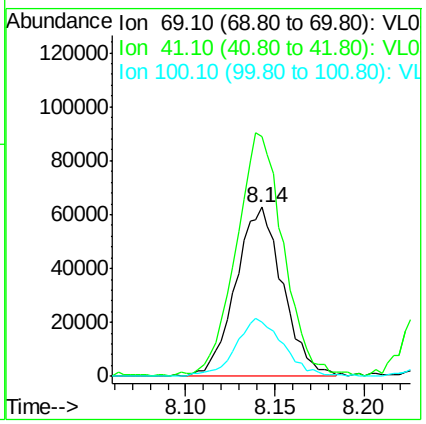


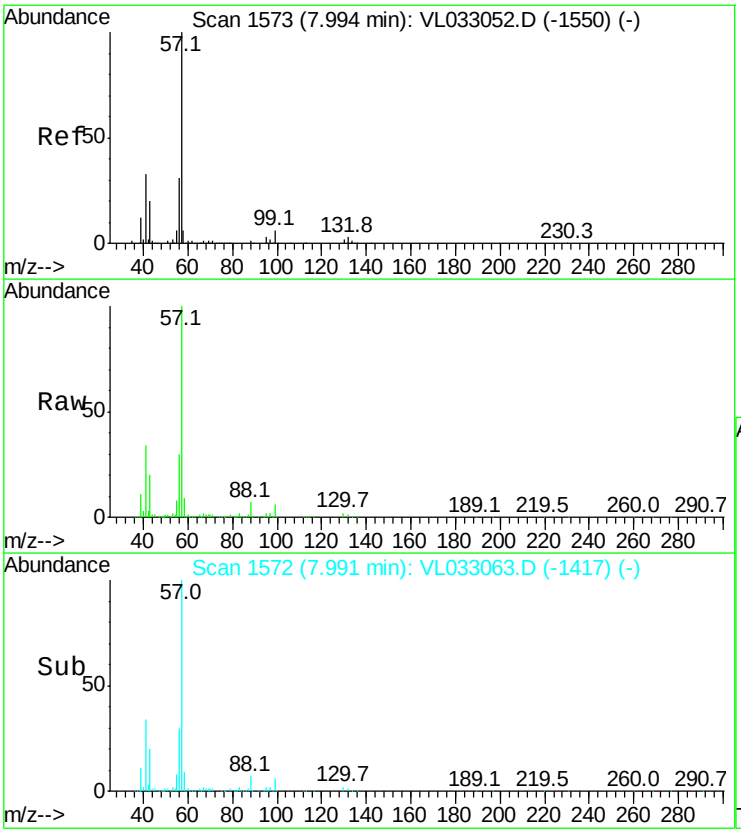
#43
Methyl Methacrylate
Concen: 1.027 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. 0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 114126

Ion	Ratio	Lower	Upper
69	100		
41	147.3	114.0	171.0
100	35.0	26.3	39.5

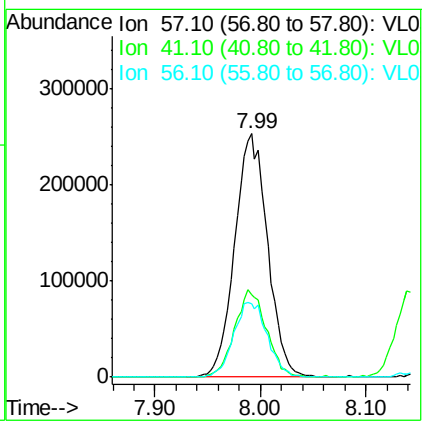


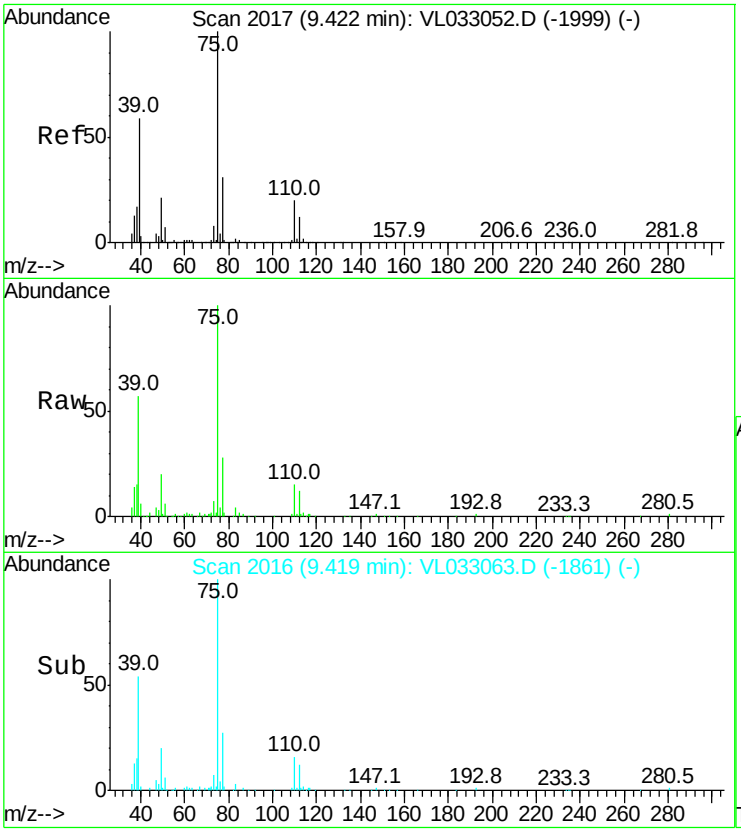


#44
2,2,4-Trimethylpentane
Concen: 1.038 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 57 Resp: 547678

Ion	Ratio	Lower	Upper
57	100		
41	34.9	26.2	39.2
56	31.5	24.9	37.3



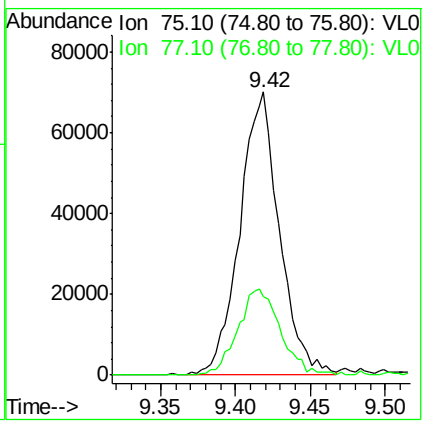


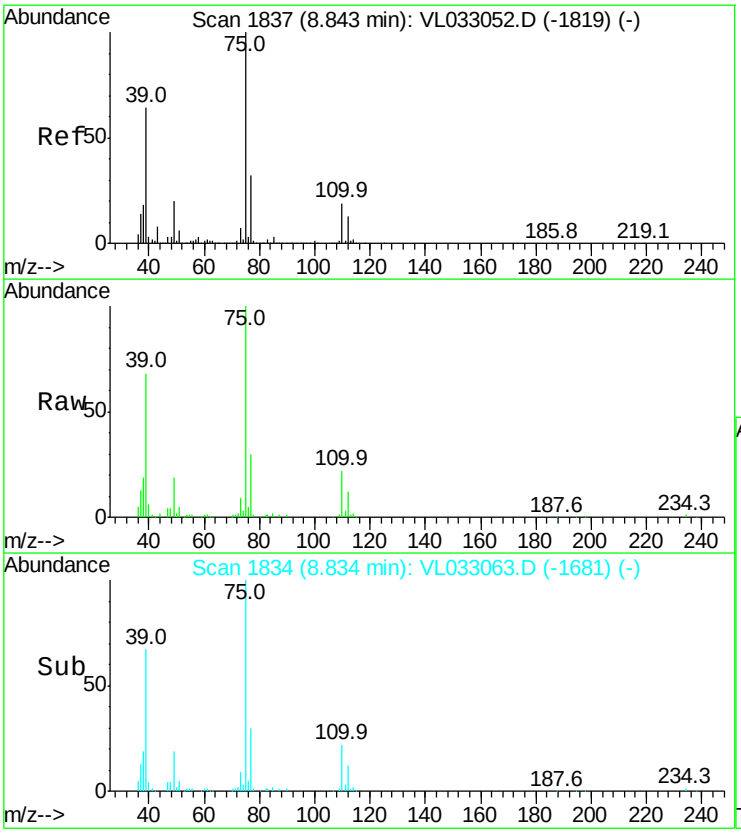
#45
t-1,3-Dichloropropene
Concen: 0.842 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 129318

Ion	Ratio	Lower	Upper
75	100		
77	27.9	24.8	37.2

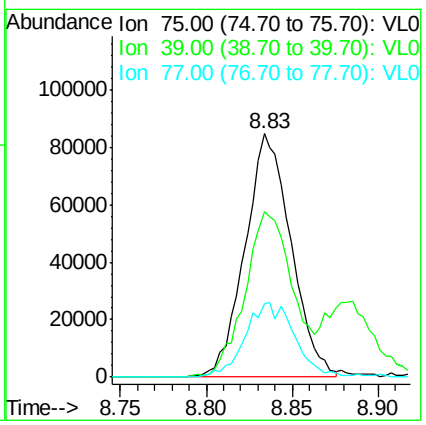


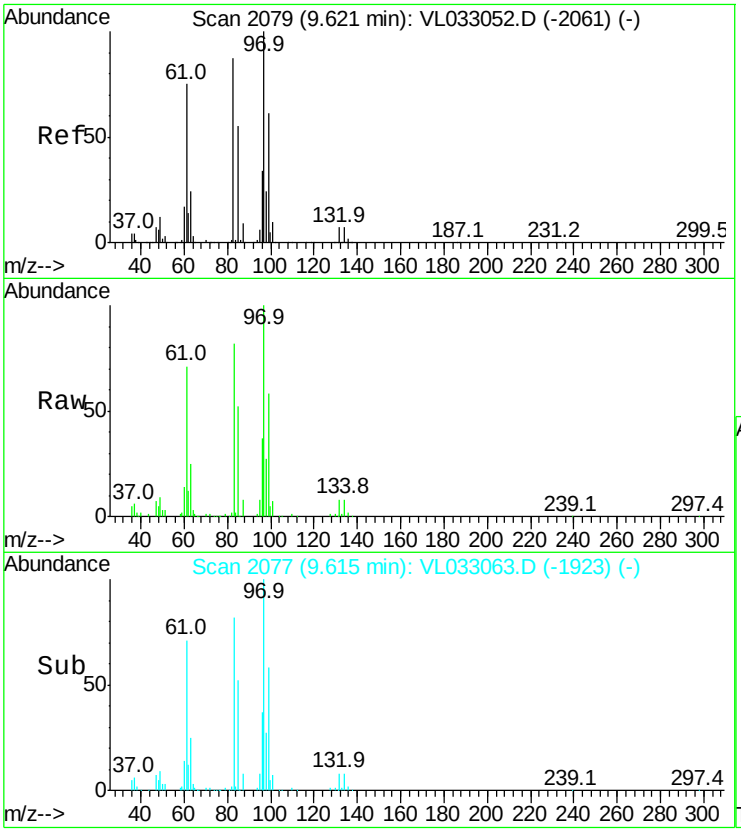


#46
cis-1,3-Dichloropropene
Concen: 0.943 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 75 Resp: 157372

Ion	Ratio	Lower	Upper
75	100		
39	67.9	51.3	76.9
77	30.2	25.5	38.3



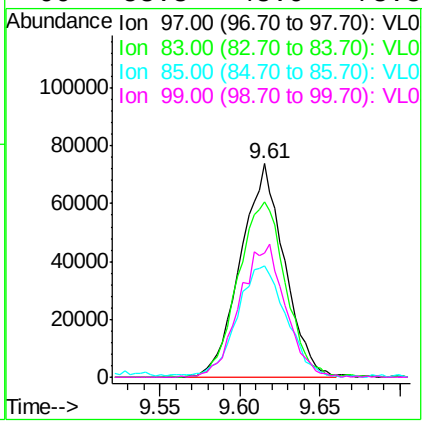


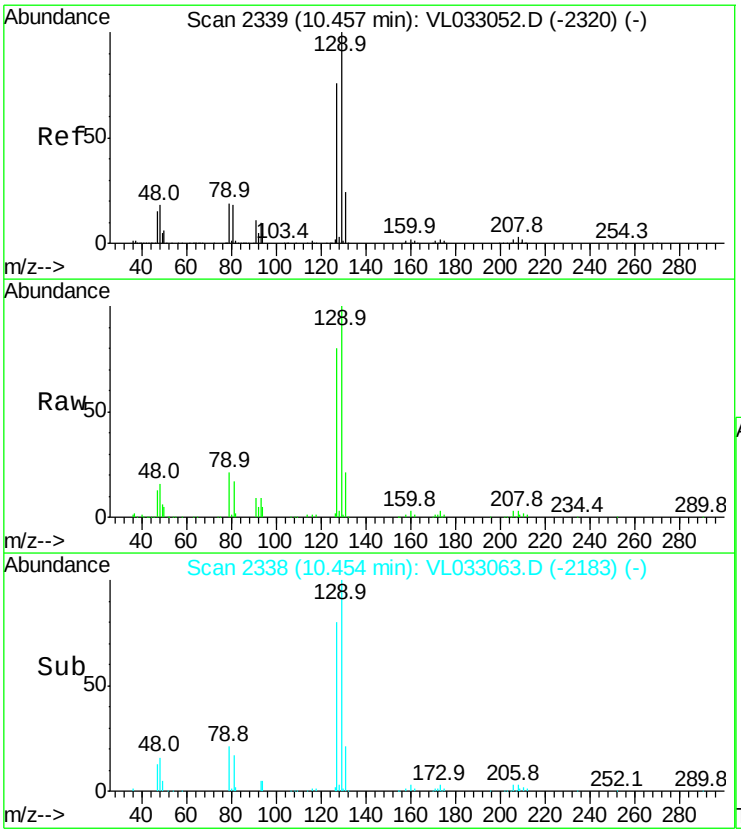
#47
1,1,2-Trichloroethane
Concen: 1.028 ppbv
RT: 9.61 min Scan# 2077
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 97 Resp: 138683

Ion	Ratio	Lower	Upper
97	100		
83	81.4	69.4	104.2
85	51.9	44.2	66.2
99	58.3	48.9	73.3

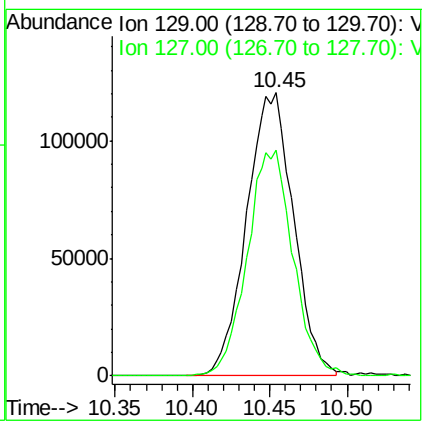


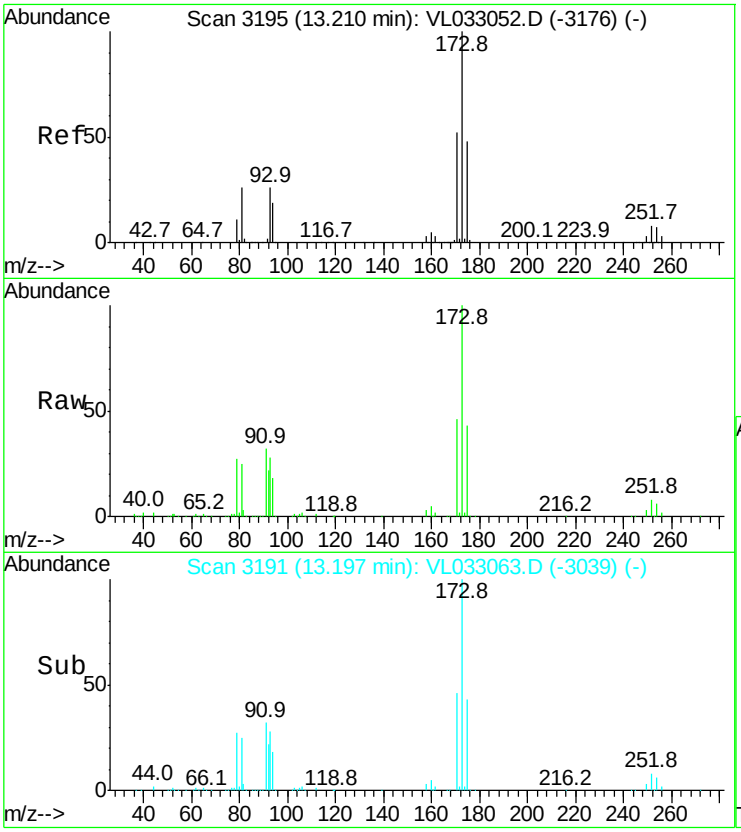


#48
Dibromochloromethane
Concen: 1.136 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. -0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion:129 Resp: 254280

Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.1	117.3



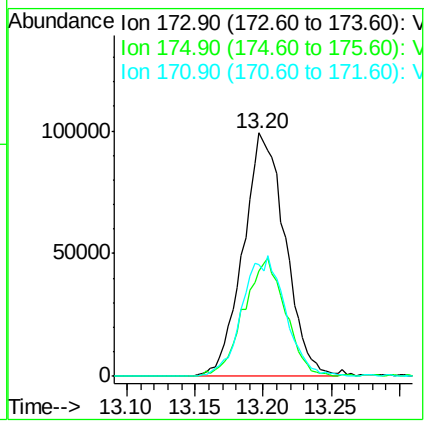


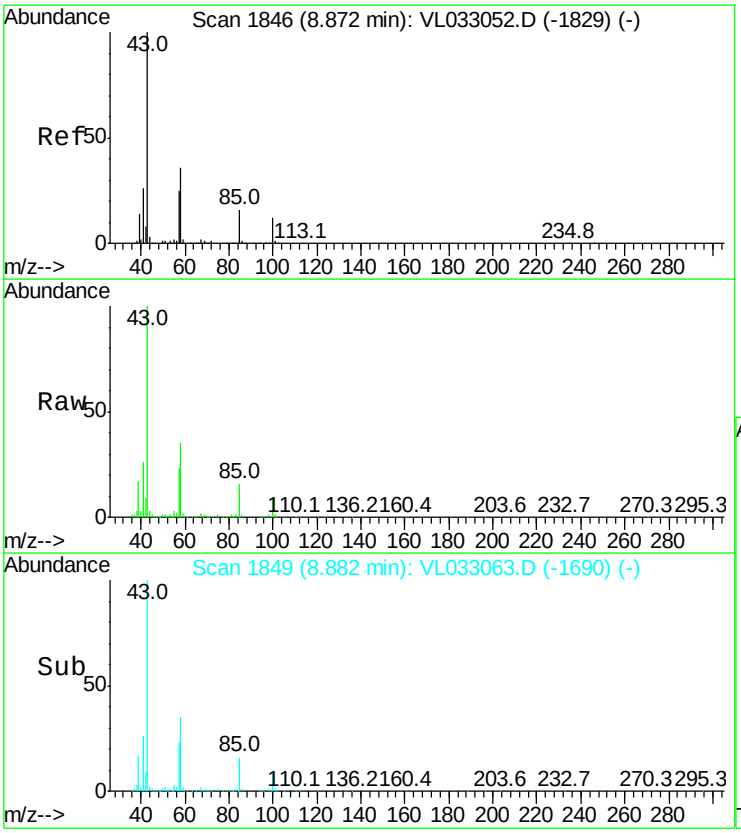
#49
Bromoform
Concen: 1.033 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 213049

Ion	Ratio	Lower	Upper
173	100		
175	48.4	39.4	59.2
171	50.7	42.1	63.1

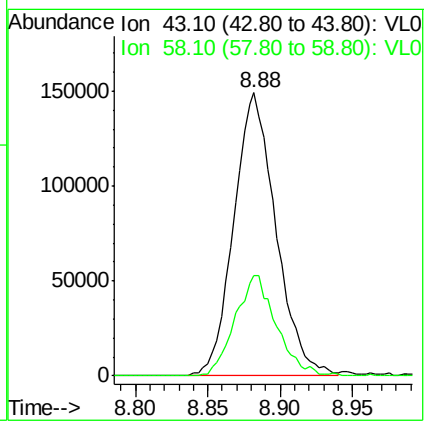


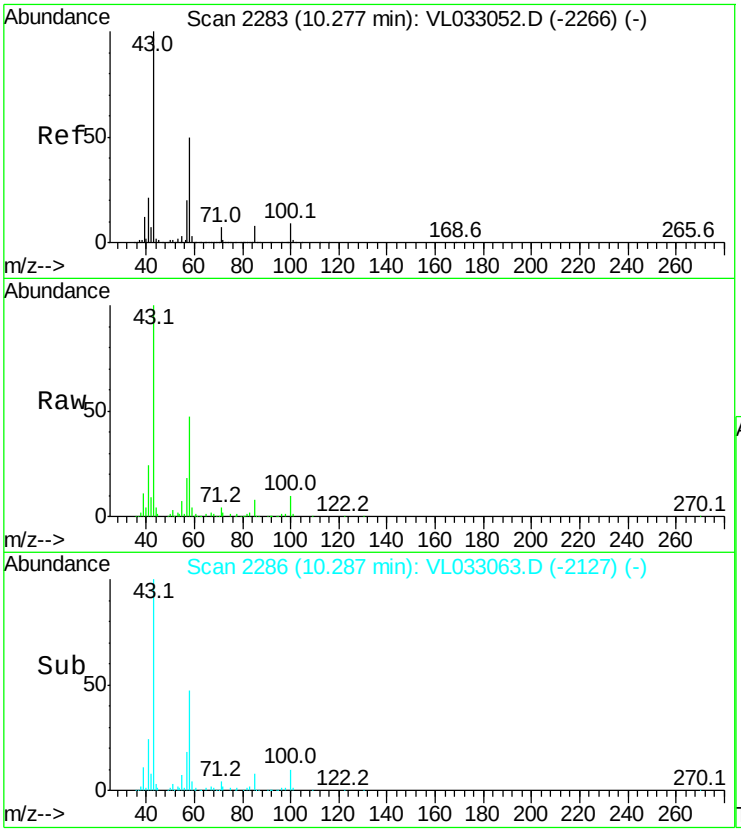


#50
4-Methyl-2-Pentanone
Concen: 1.059 ppbv
RT: 8.88 min Scan# 1849
Delta R.T. 0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 43 Resp: 301161

Ion	Ratio	Lower	Upper
43	100		
58	34.9	28.9	43.3



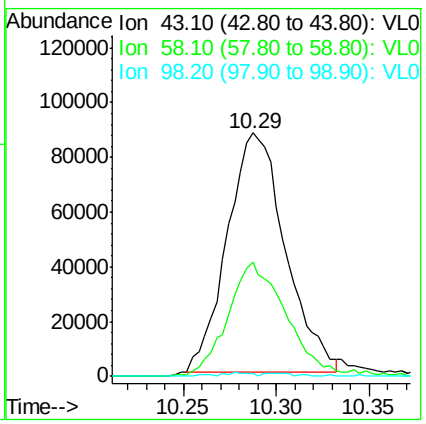


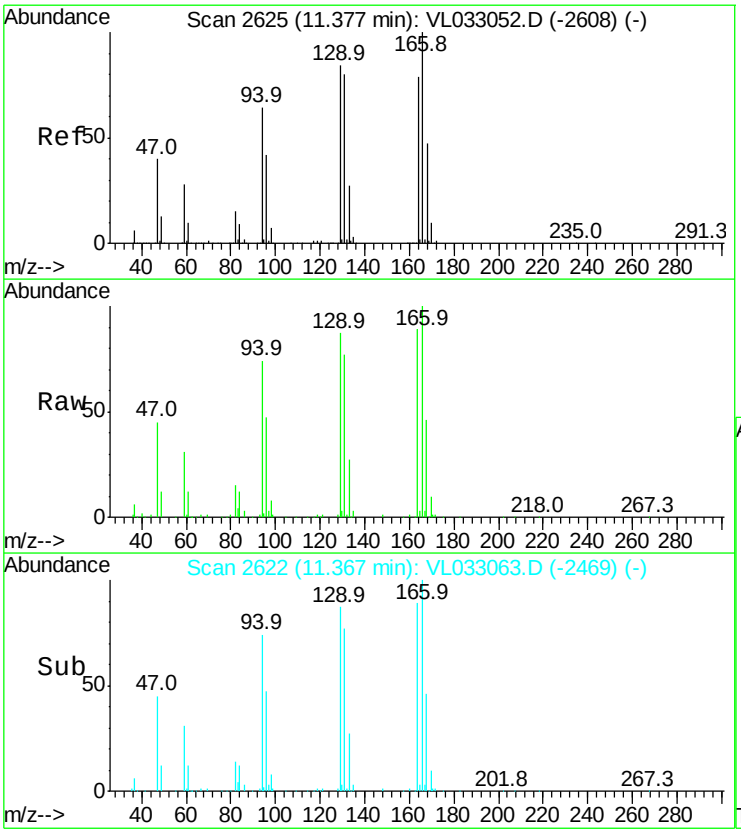
#51
2-Hexanone
Concen: 0.991 ppbv
RT: 10.29 min Scan# 2286
Delta R.T. 0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 190322

Ion	Ratio	Lower	Upper
43	100		
58	48.9	39.0	58.6
98	1.6	0.4	0.6#

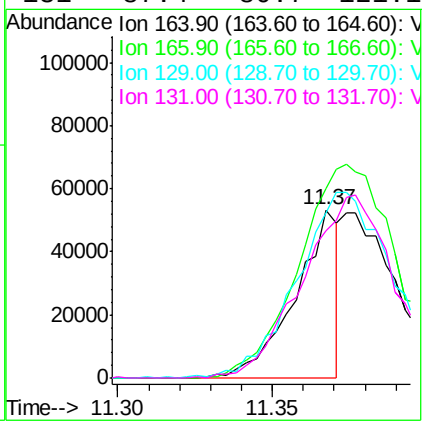


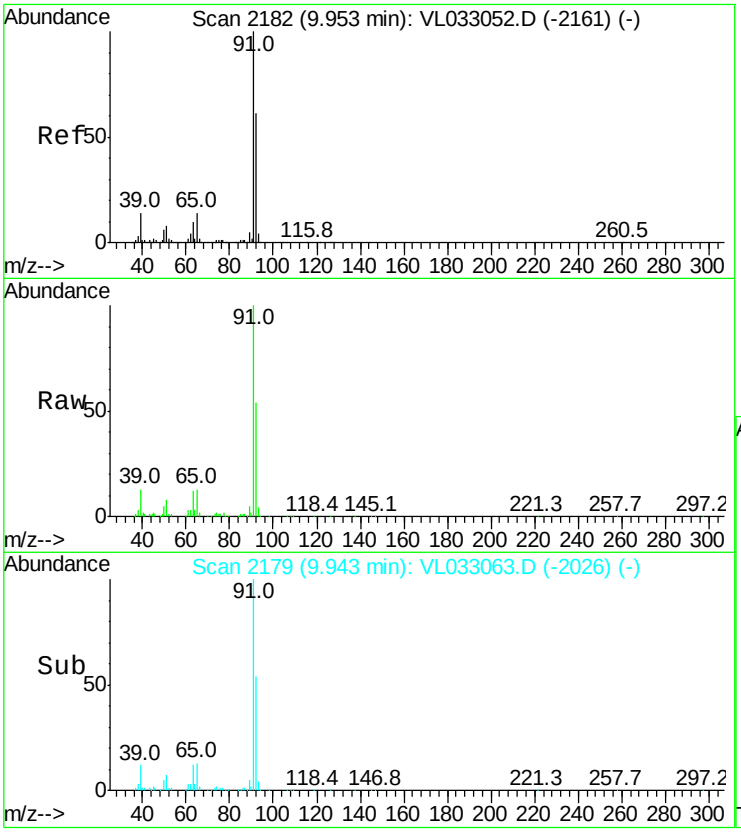


#52
Tetrachloroethene
Concen: 0.474 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion:164 Resp: 51099

Ion	Ratio	Lower	Upper
164	100		
166	113.0	100.8	151.2
129	98.2	84.6	126.8
131	87.4	80.7	121.1



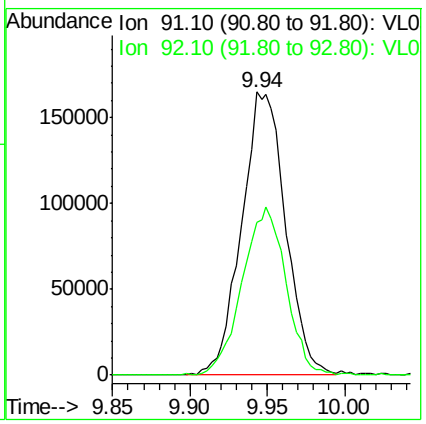


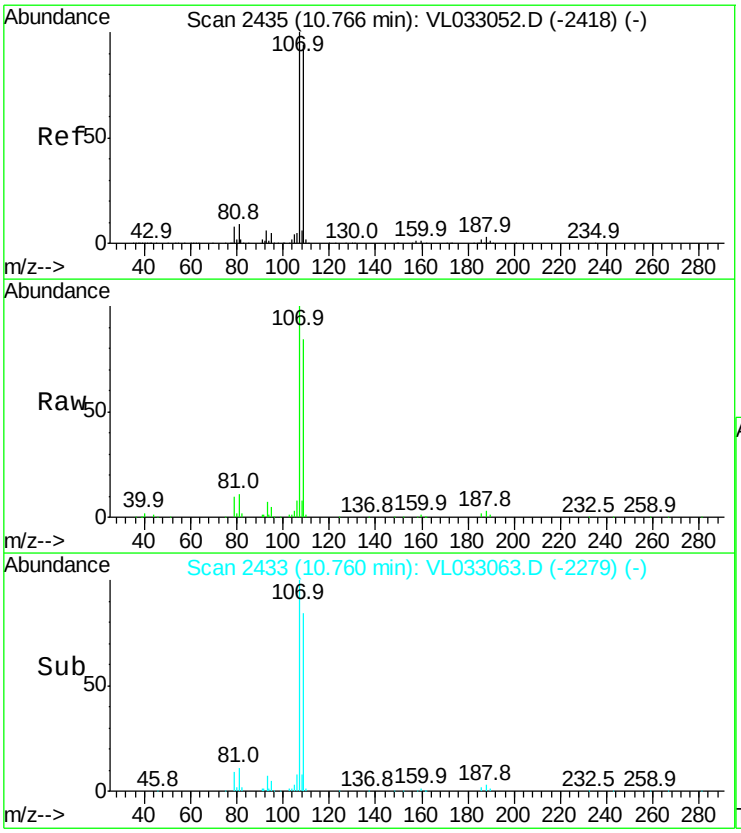
#53
Toluene
Concen: 1.063 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 325956

Ion	Ratio	Lower	Upper
91	100		
92	59.3	47.7	71.5

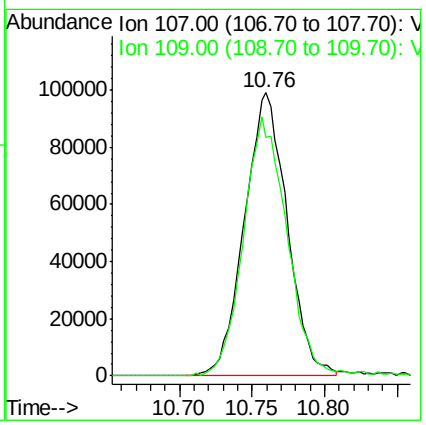


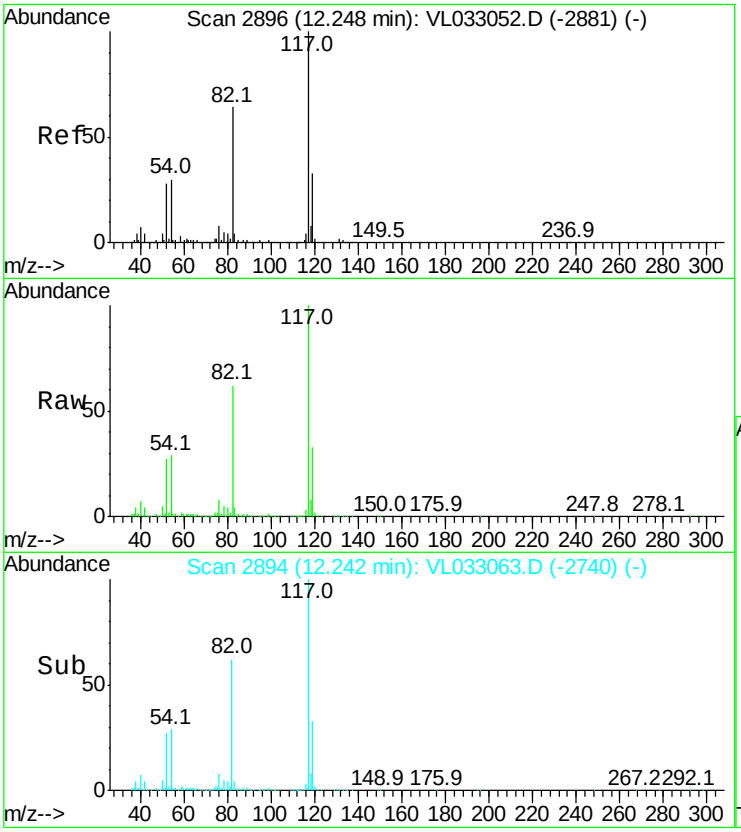


#54
1,2-Dibromoethane
Concen: 1.036 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion:107 Resp: 203143

Ion	Ratio	Lower	Upper
107	100		
109	84.1	74.9	112.3



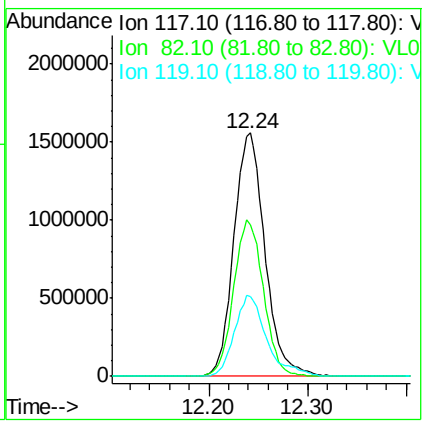


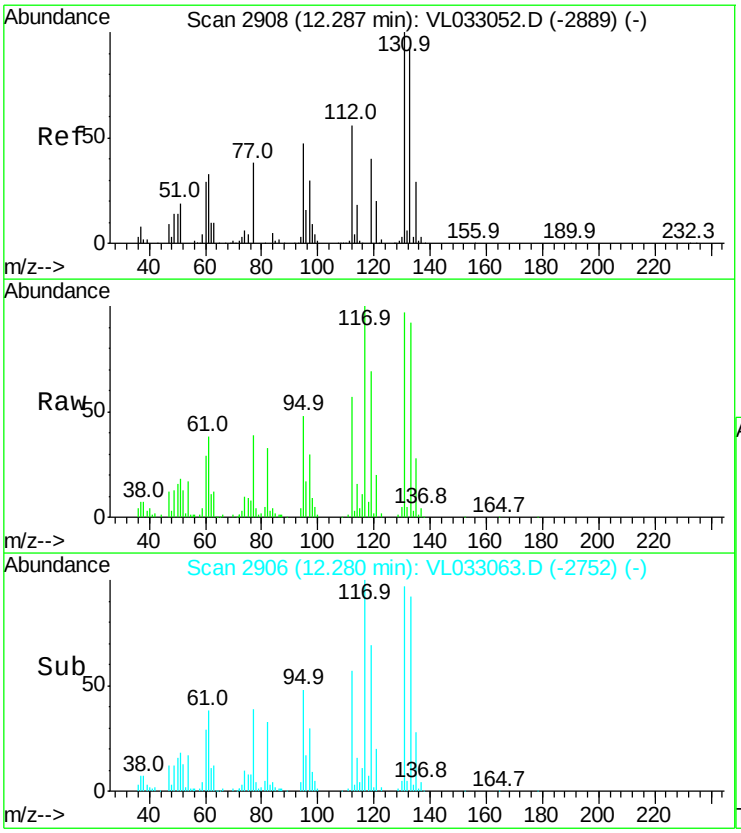
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 3415338

Ion	Ratio	Lower	Upper
117	100		
82	62.0	48.9	73.3
119	34.7	24.6	37.0

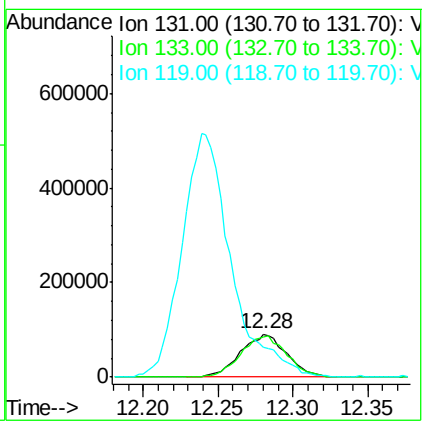


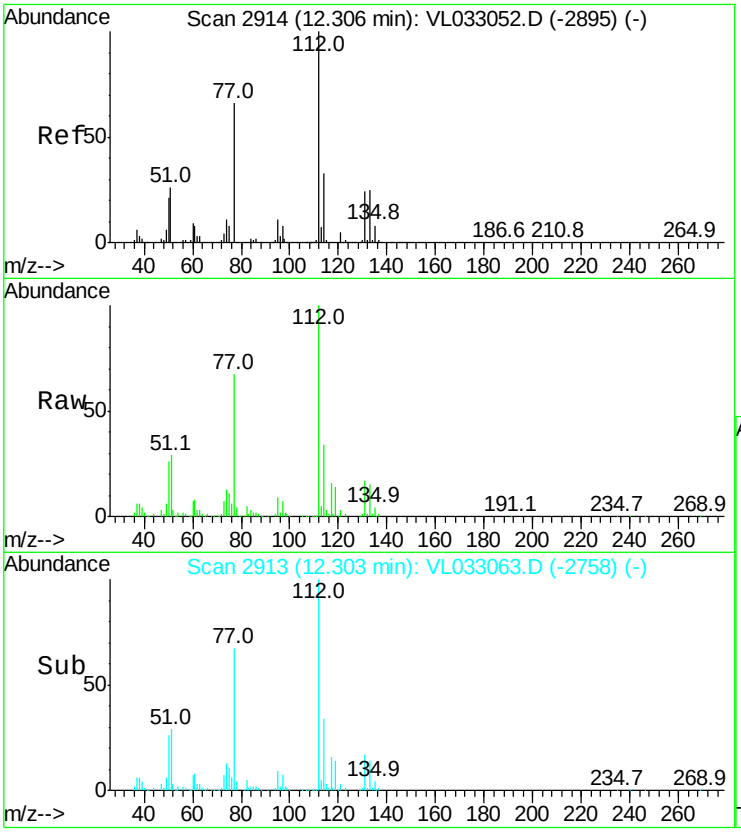


#56
1,1,1,2-Tetrachloroethane
Concen: 1.123 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion:131 Resp: 194048

Ion	Ratio	Lower	Upper
131	100		
133	97.2	76.0	114.0
119	609.2	44.2	66.2#



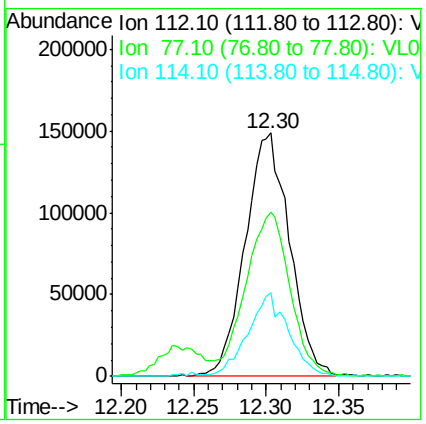


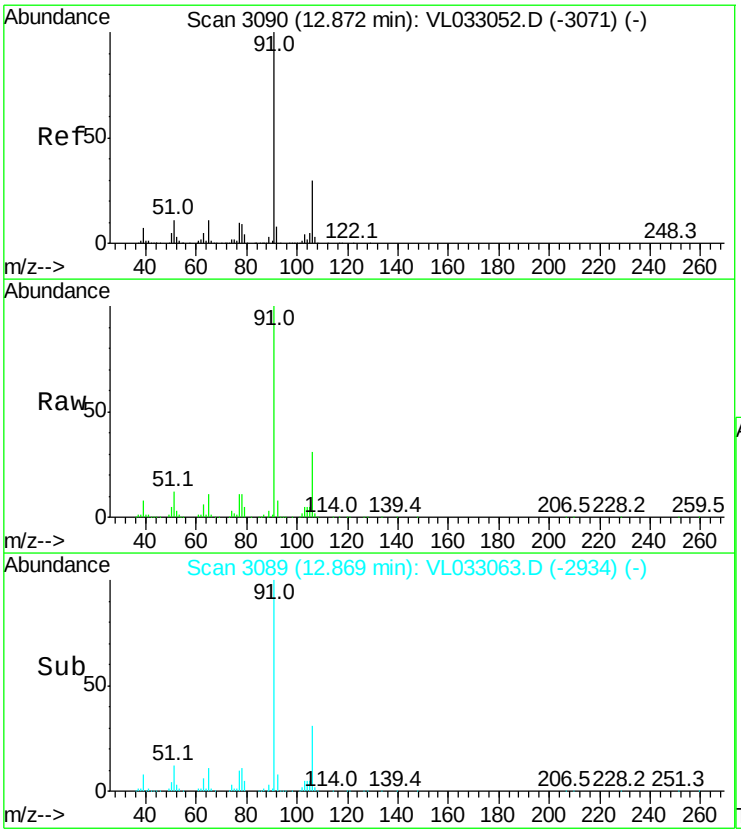
#57
Chlorobenzene
Concen: 1.140 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 315799

Ion	Ratio	Lower	Upper
112	100		
77	66.7	53.4	80.0
114	34.7	30.0	36.6

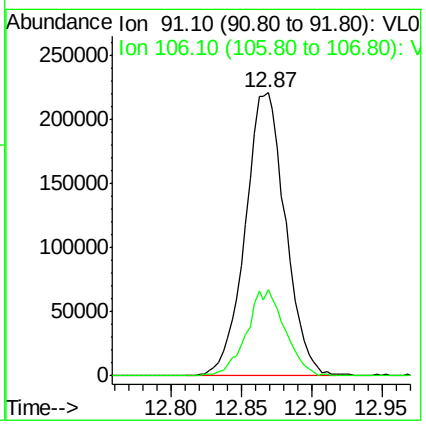


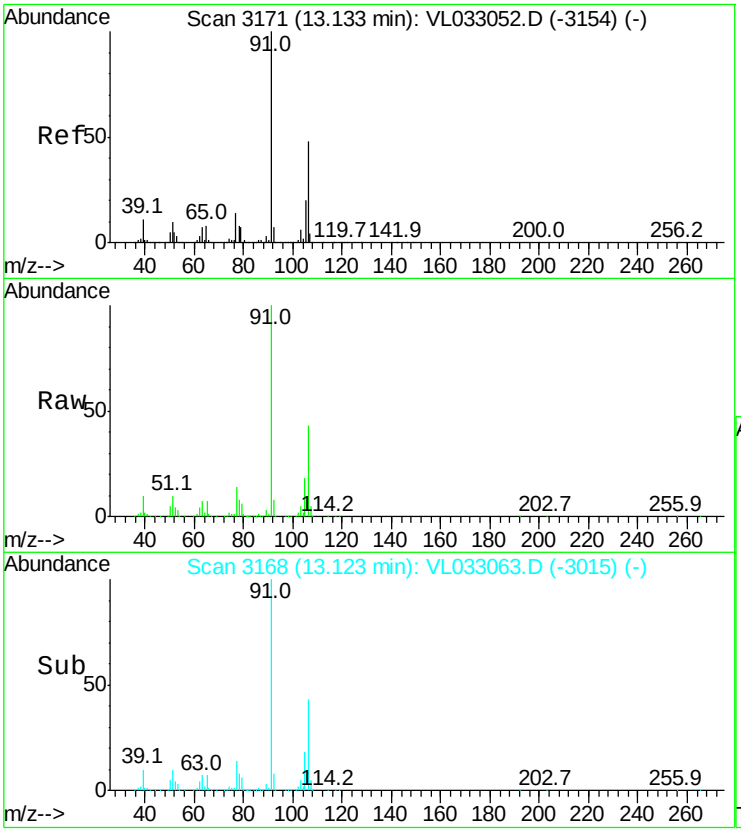


#58
Ethyl Benzene
Concen: 1.051 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 91 Resp: 441623

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5



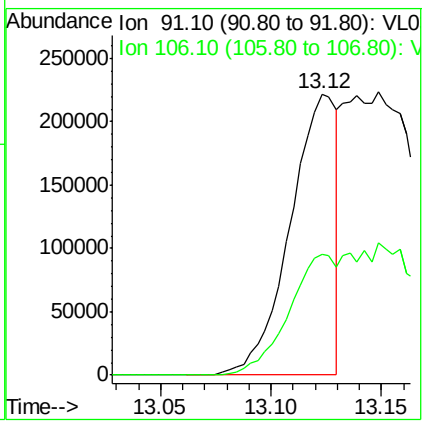


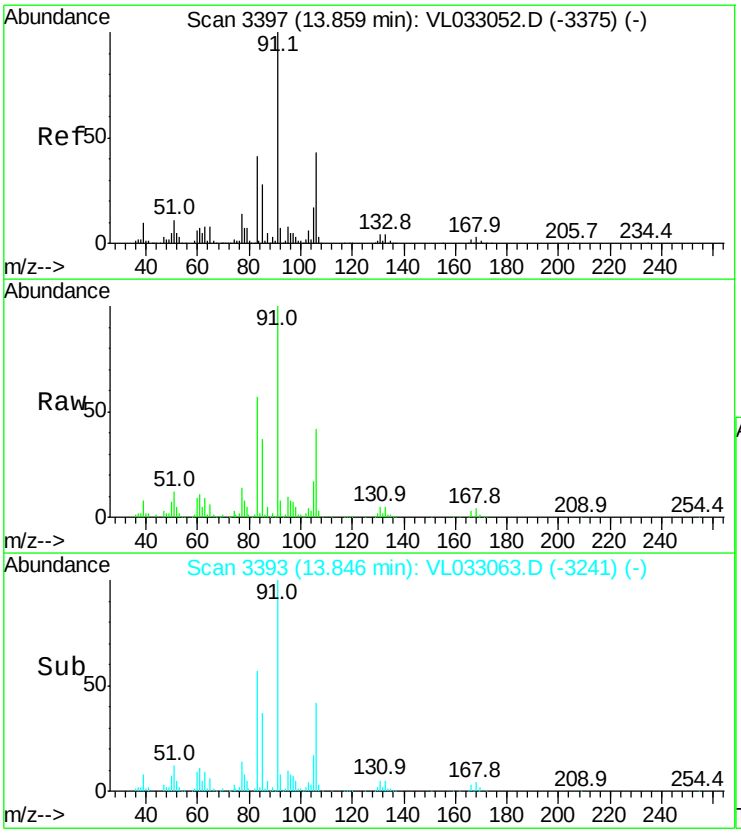
#59
m/p-Xylene
Concen: 0.829 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 323571

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

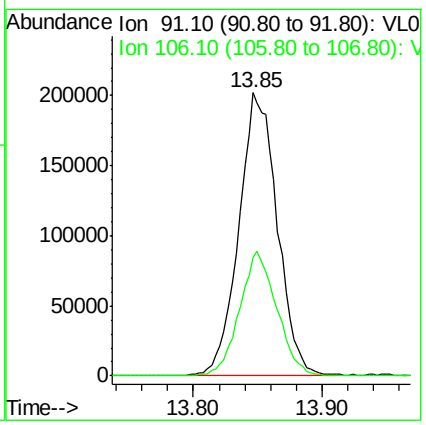


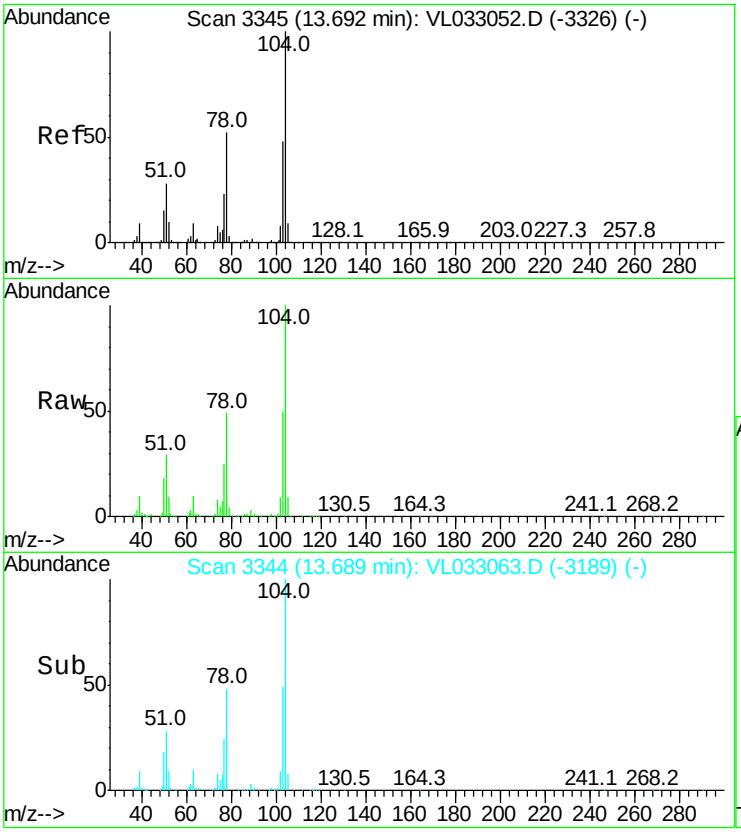


#60
o-Xylene
Concen: 1.097 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 91 Resp: 418613

Ion	Ratio	Lower	Upper
91	100		
106	42.5	22.1	66.5



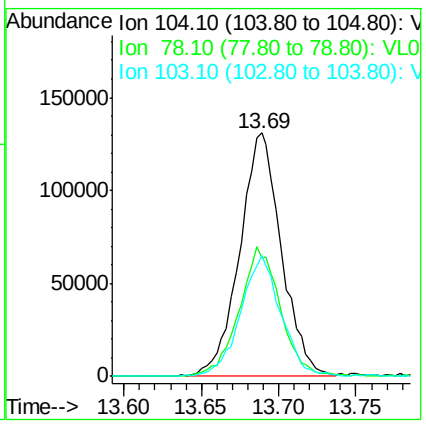


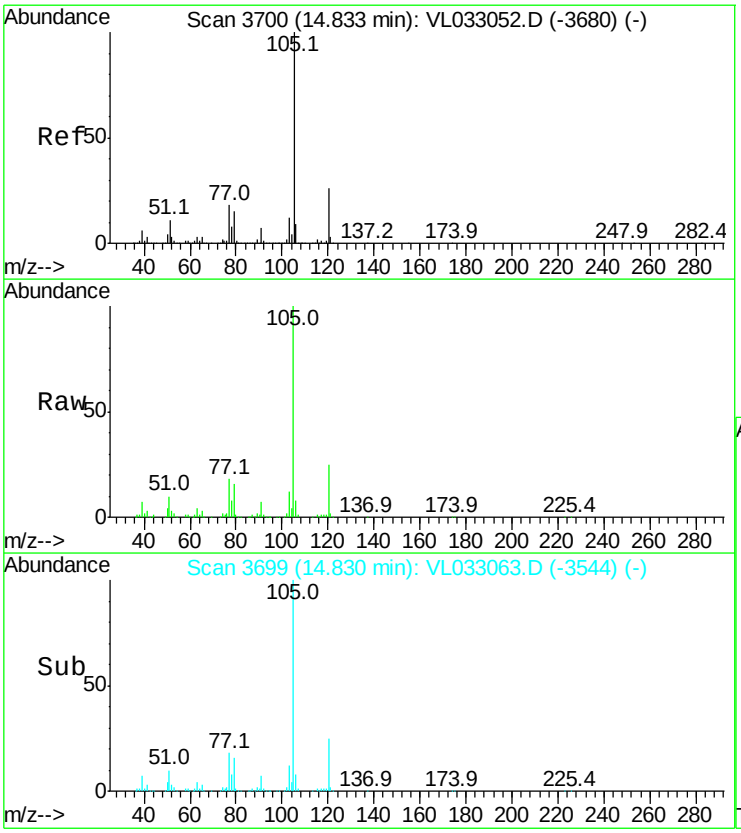
#61
Styrene
Concen: 0.987 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 242853

Ion	Ratio	Lower	Upper
104	100		
78	53.3	41.6	62.4
103	48.7	38.1	57.1

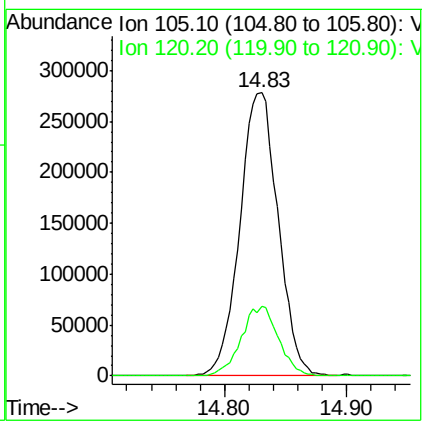


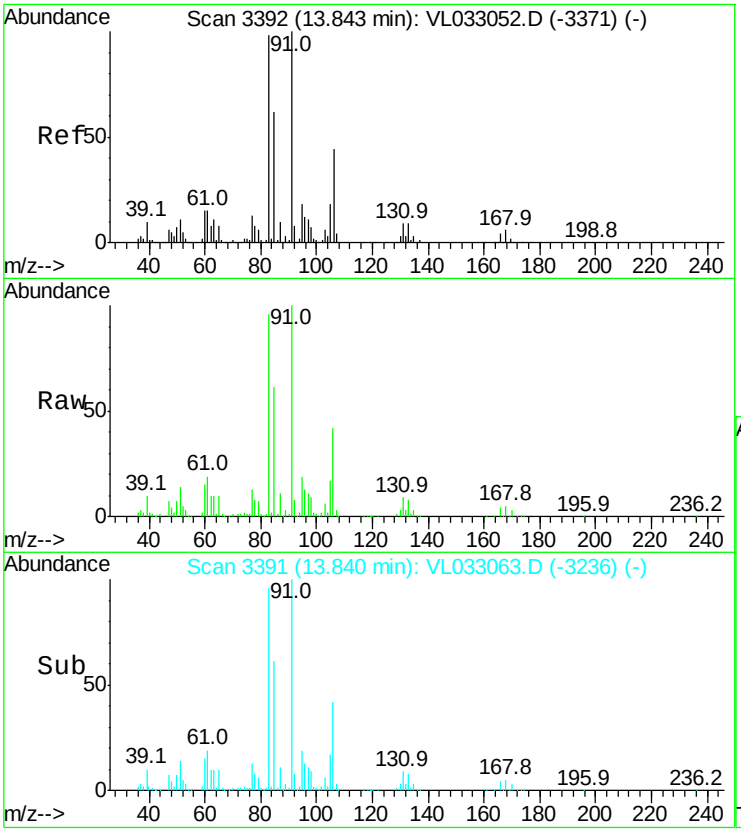


#62
Isopropylbenzene
Concen: 1.103 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion:105 Resp: 601064

Ion	Ratio	Lower	Upper
105	100		
120	24.0	20.4	30.6



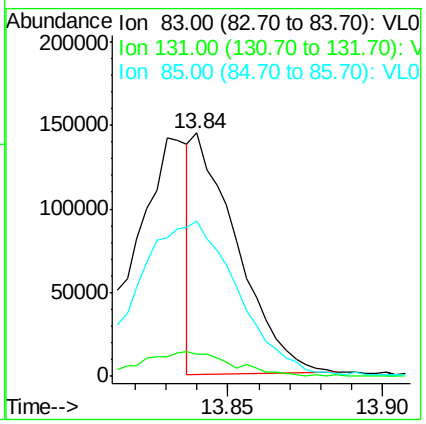


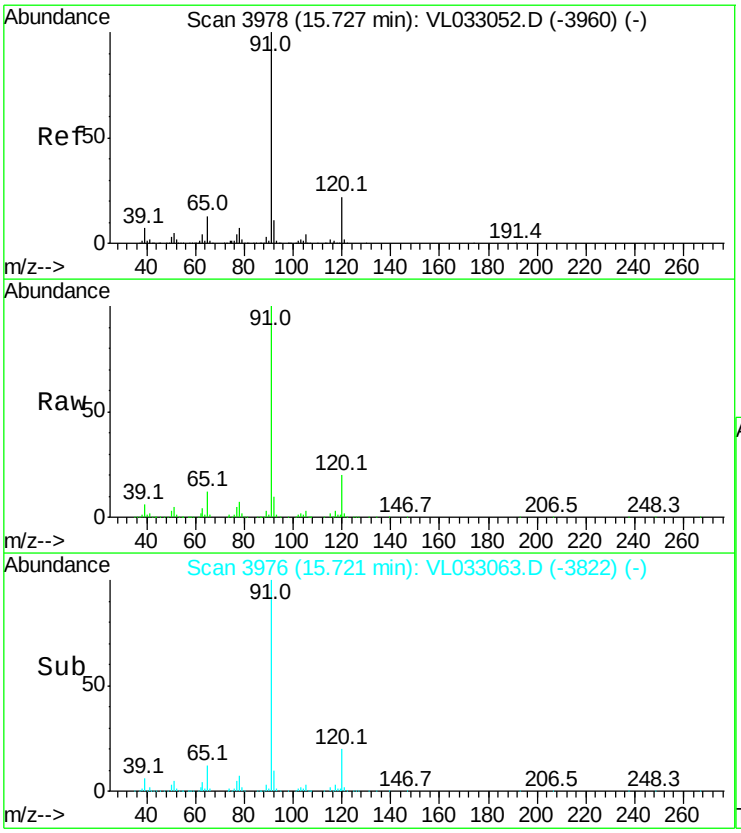
#63
1,1,2,2-Tetrachloroethane
Concen: 0.481 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 143562

Ion	Ratio	Lower	Upper
83	100		
131	22.4	4.8	14.4#
85	148.3	32.6	97.8#

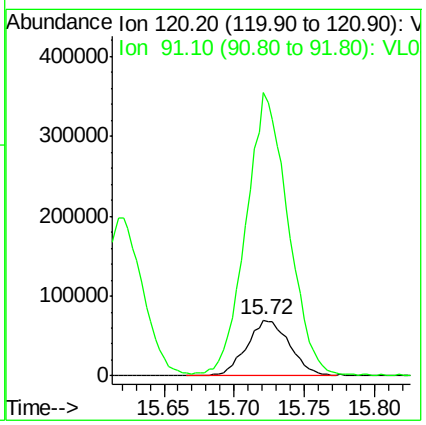


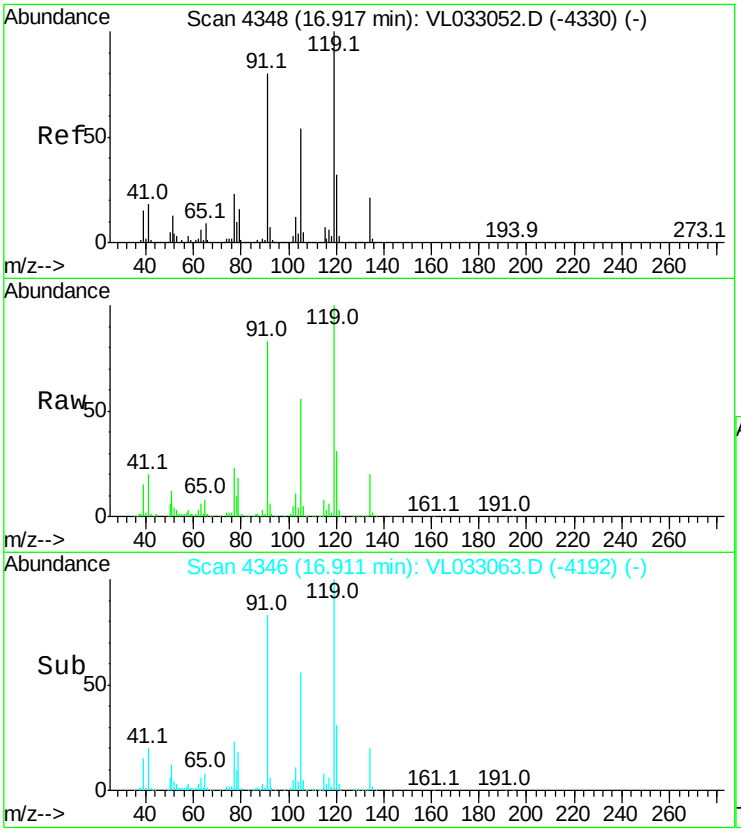


#64
n-propylbenzene
Concen: 1.108 ppbv
RT: 15.72 min Scan# 3976
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion:120 Resp: 148828

Ion	Ratio	Lower	Upper
120	100		
91	496.5	378.7	568.1



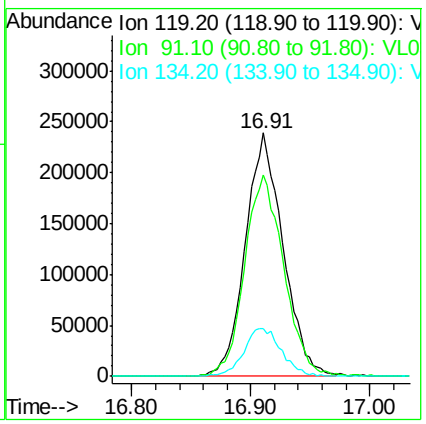


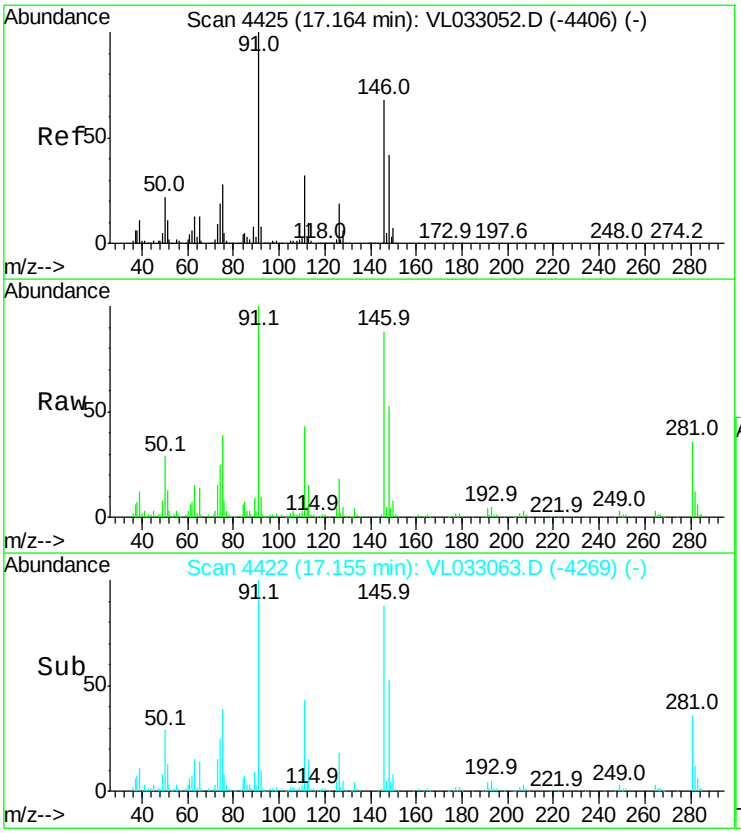
#65
tert-Butylbenzene
Concen: 1.077 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 522251

Ion	Ratio	Lower	Upper
119	100		
91	86.9	64.6	97.0
134	19.8	15.8	23.8

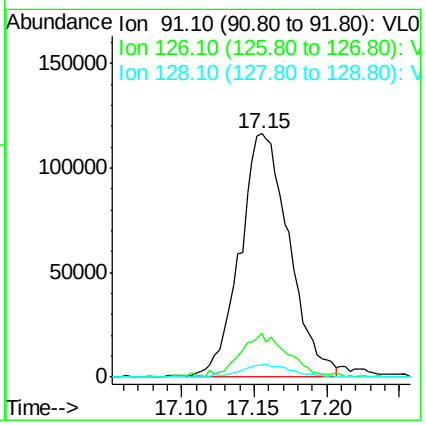


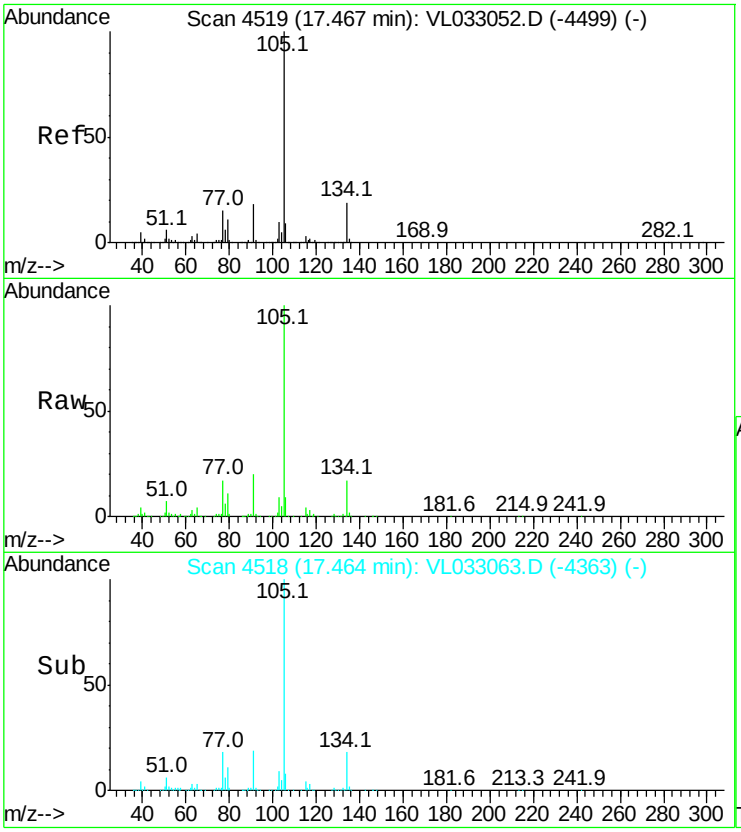


#66
Benzyl Chloride
Concen: 0.998 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 91 Resp: 272132

Ion	Ratio	Lower	Upper
91	100		
126	18.5	14.4	21.6
128	5.5	4.5	6.7



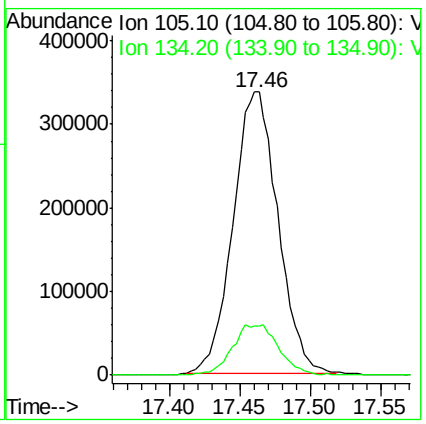


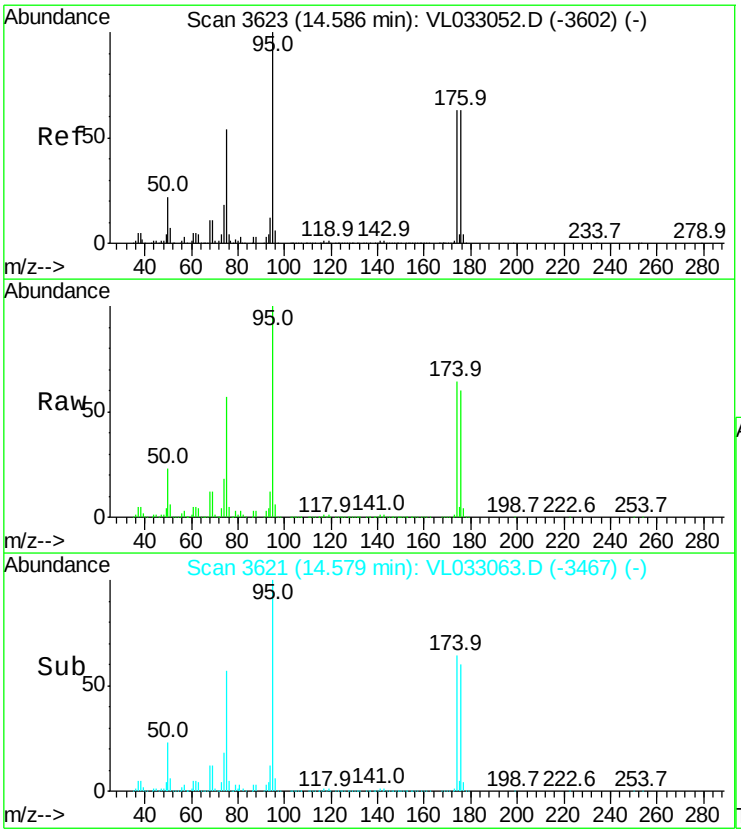
#67
sec-Butylbenzene
Concen: 1.098 ppbv
RT: 17.46 min Scan# 4518
Delta R.T. -0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 751053

Ion	Ratio	Lower	Upper
105	100		
134	18.6	14.6	21.8

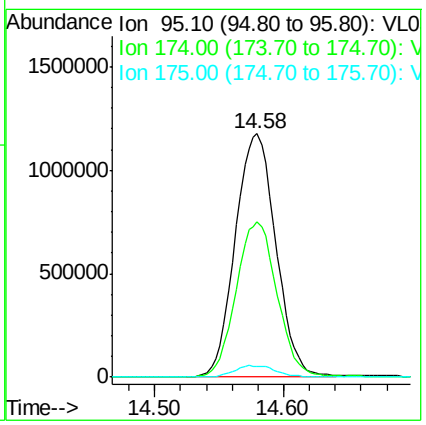


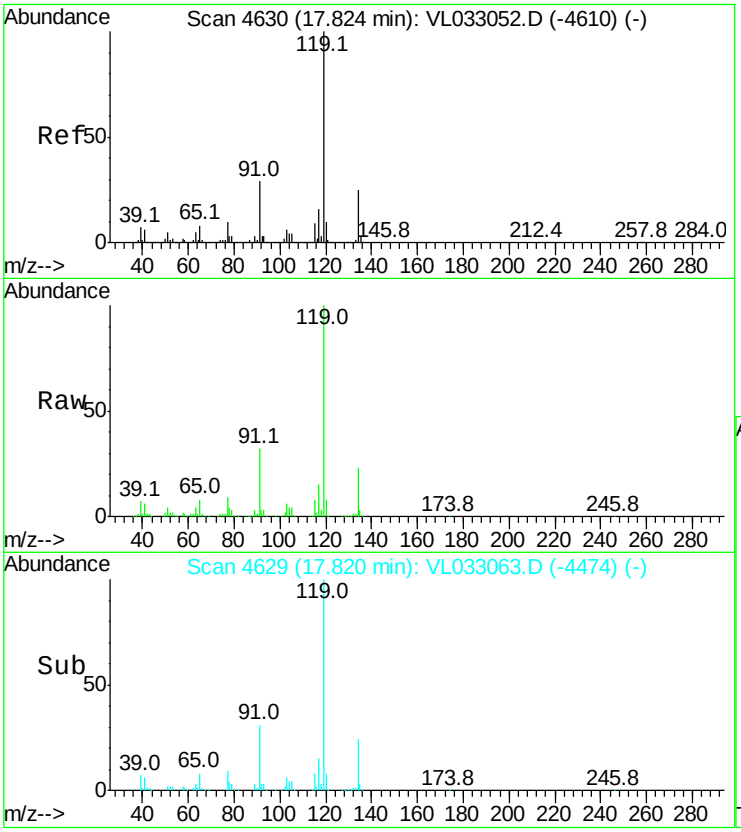


#68
1-Bromo-4-Fluorobenzene
Concen: 10.112 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 95 Resp: 2575794

Ion	Ratio	Lower	Upper
95	100		
174	65.1	51.9	77.9
175	4.8	3.9	5.9



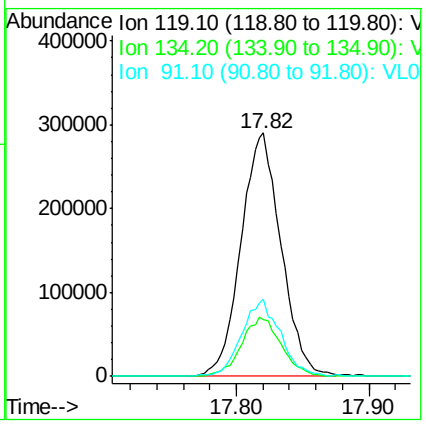


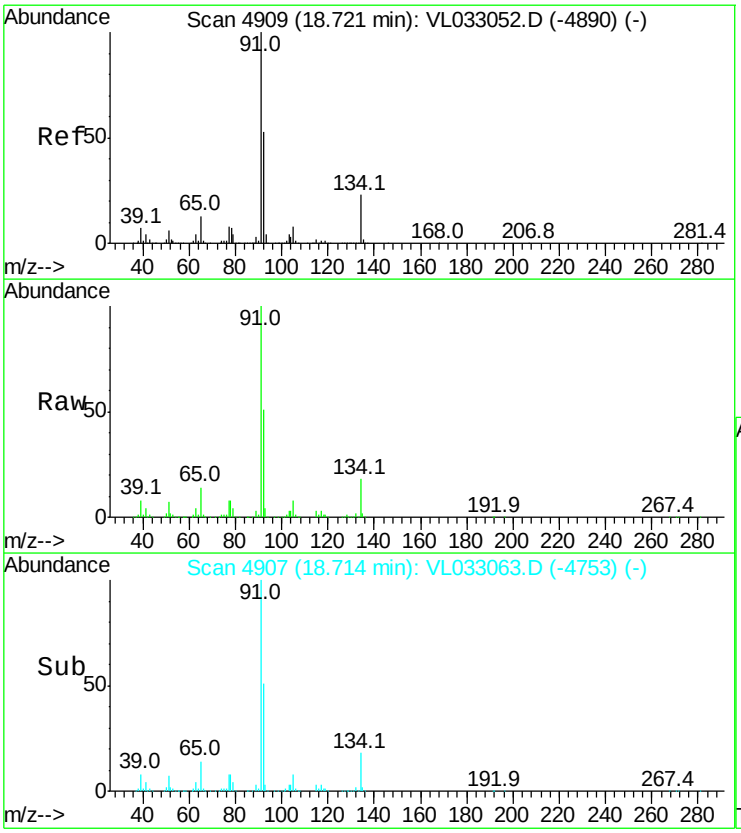
#69
p-Isopropyltoluene
Concen: 1.098 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. -0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 607099

Ion	Ratio	Lower	Upper
119	100		
134	24.4	20.1	30.1
91	30.8	23.0	34.4

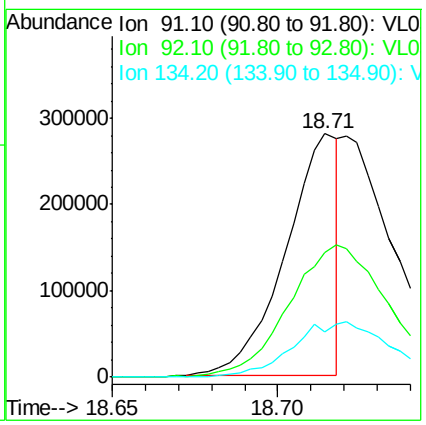


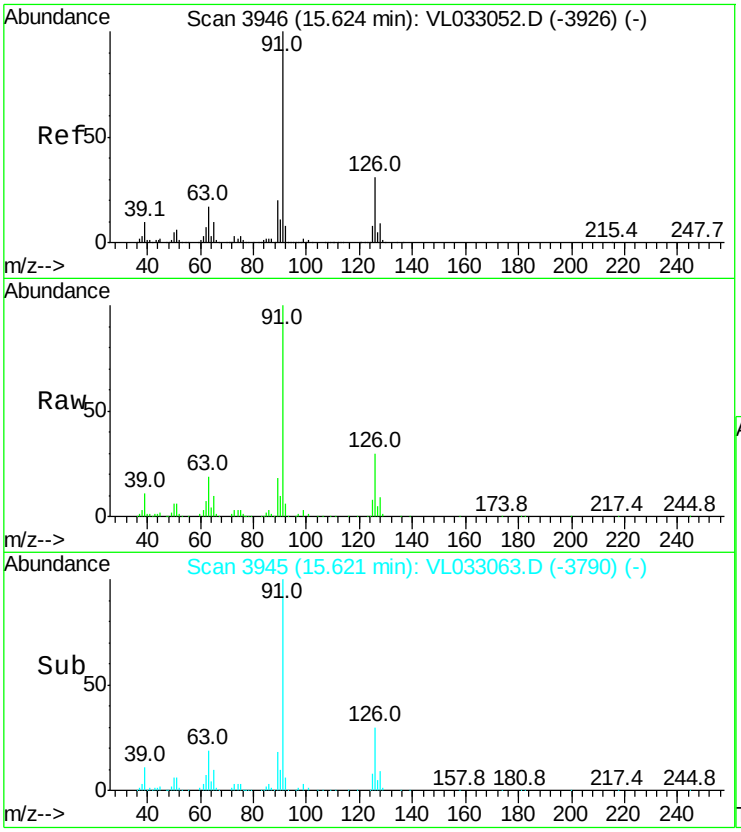


#70
n-Butylbenzene
Concen: 0.549 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion: 91 Resp: 309902

Ion	Ratio	Lower	Upper
91	100		
92	0.0	42.4	63.6#
134	0.0	18.0	27.0#



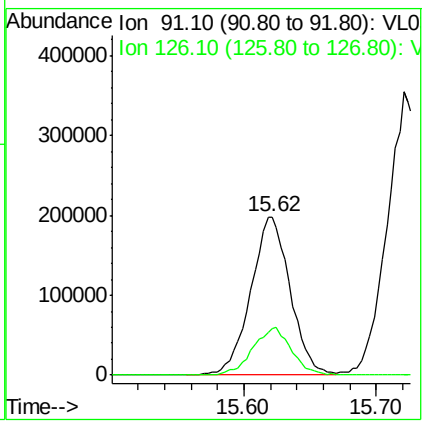


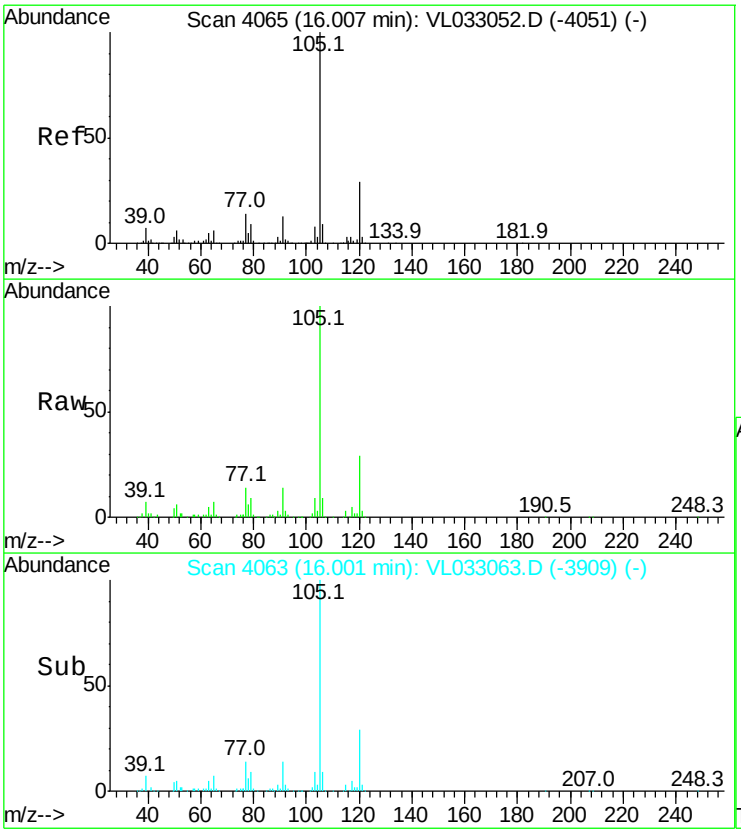
#71
2-Chlorotoluene
Concen: 1.064 ppbv
RT: 15.62 min Scan# 3945
Delta R.T. -0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 410513

Ion	Ratio	Lower	Upper
91	100		
126	29.6	12.4	49.6

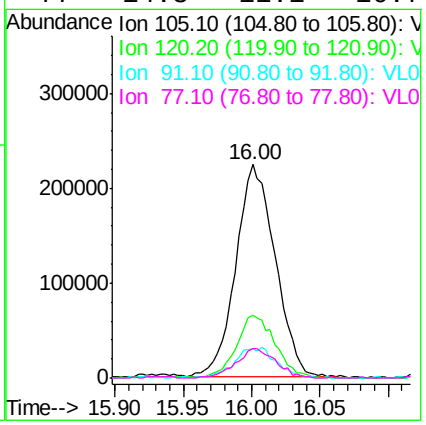


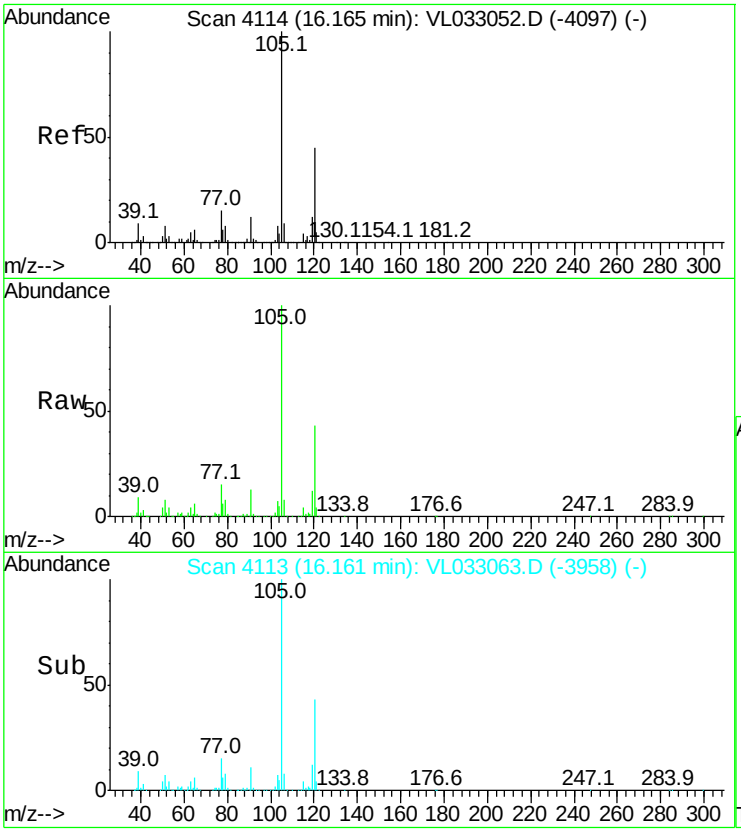


#72
4-Ethyltoluene
Concen: 1.057 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion:105 Resp: 449019

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.0	34.6
91	15.4	10.3	15.5
77	14.3	11.1	16.7



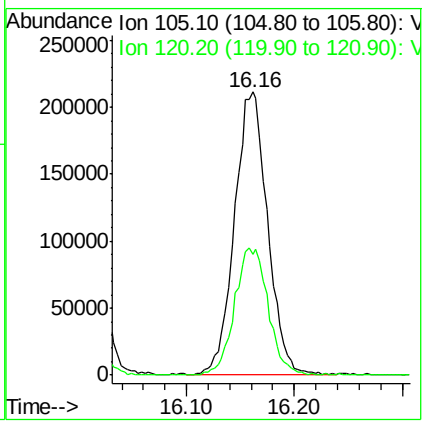


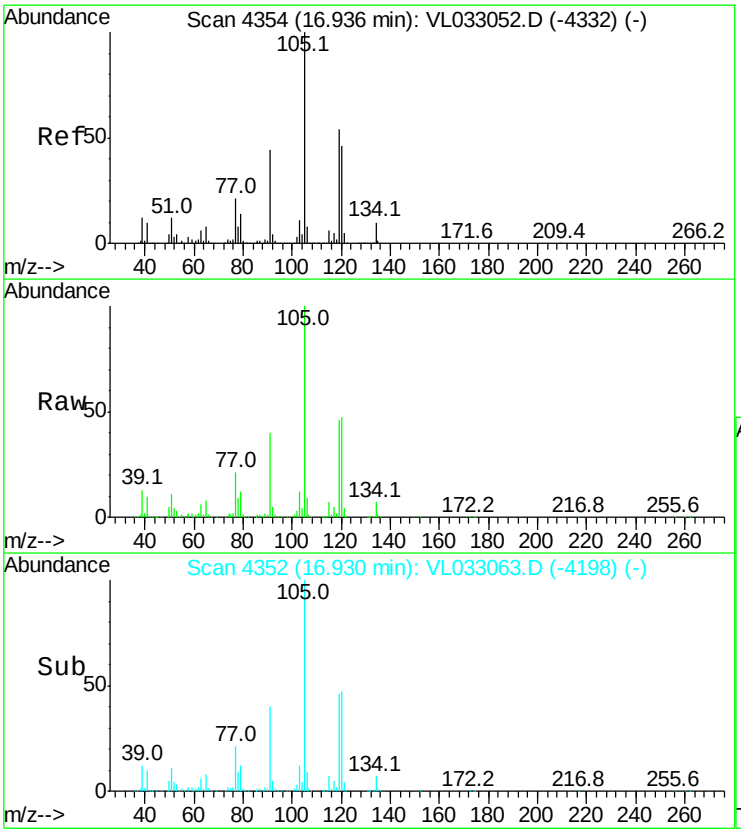
#73
1,3,5-Trimethylbenzene
Concen: 1.085 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. -0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 450158

Ion	Ratio	Lower	Upper
105	100		
120	42.9	36.1	54.1

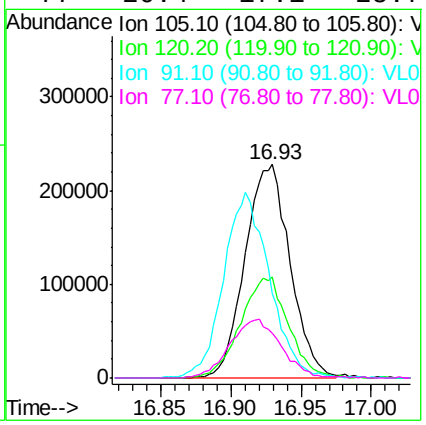


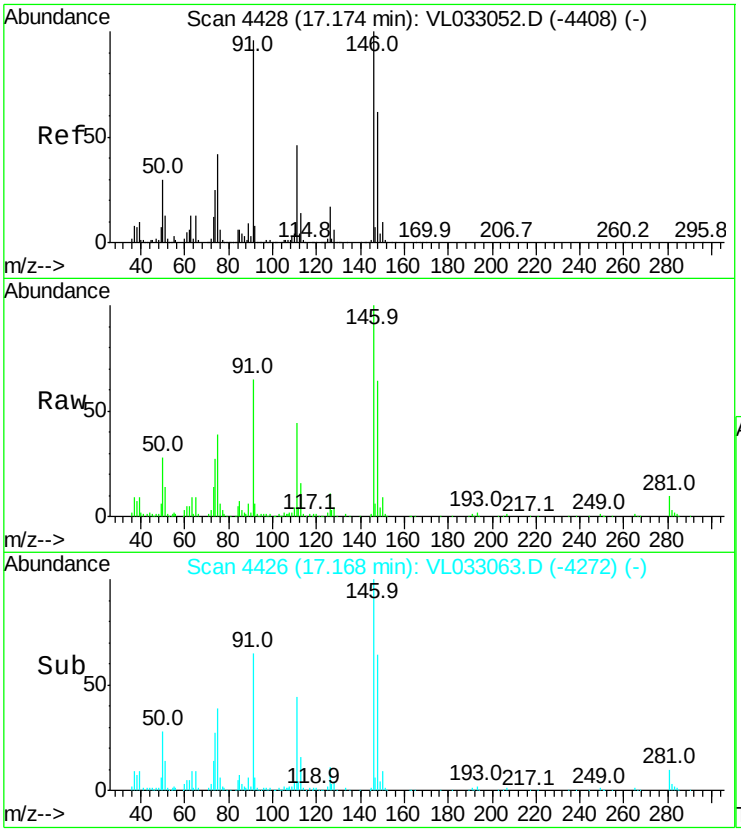


#74
1,2,4-Trimethylbenzene
Concen: 1.117 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion:105 Resp: 508985

Ion	Ratio	Lower	Upper
105	100		
120	46.9	37.0	55.4
91	39.3	35.4	53.0
77	20.4	17.1	25.7



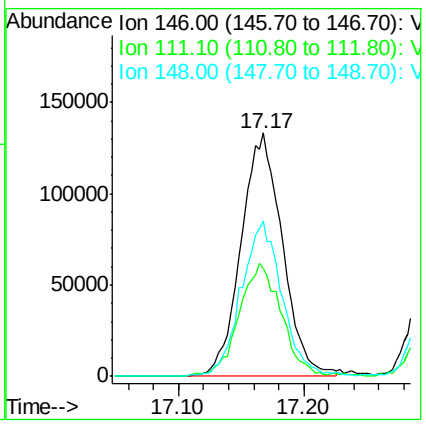


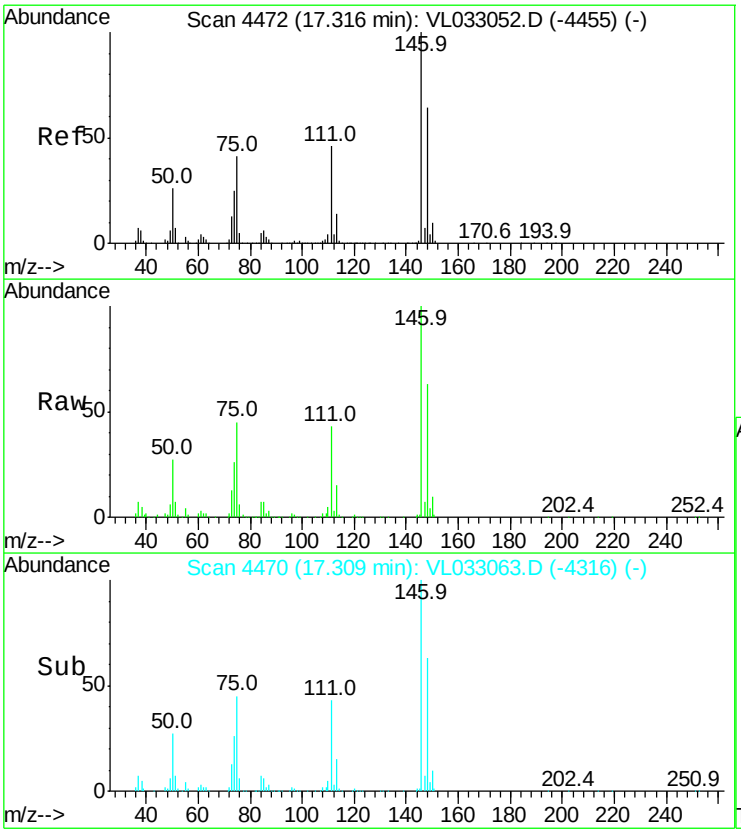
#75
1,3-Dichlorobenzene
Concen: 1.141 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 304364

Ion	Ratio	Lower	Upper
146	100		
111	48.1	23.4	70.2
148	63.4	32.1	96.3

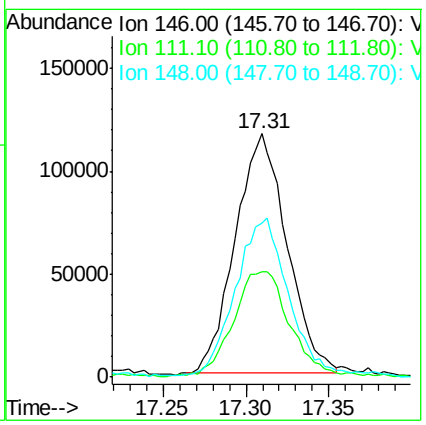


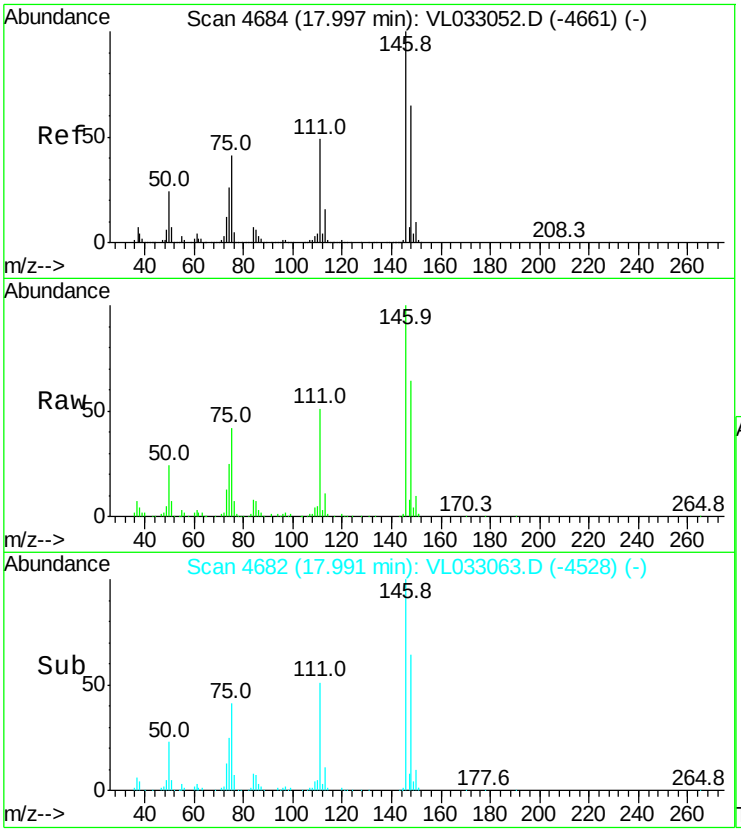


#76
1,4-Dichlorobenzene
Concen: 1.042 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion:146 Resp: 253033

Ion	Ratio	Lower	Upper
146	100		
111	49.2	22.7	68.1
148	70.1	32.4	97.2



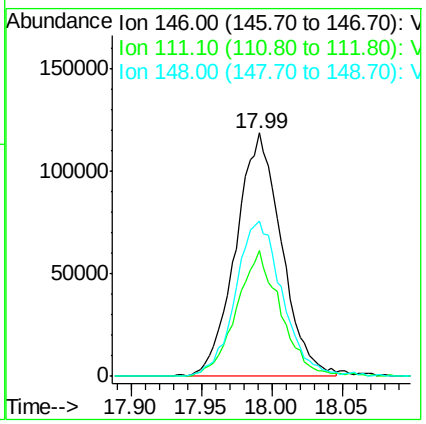


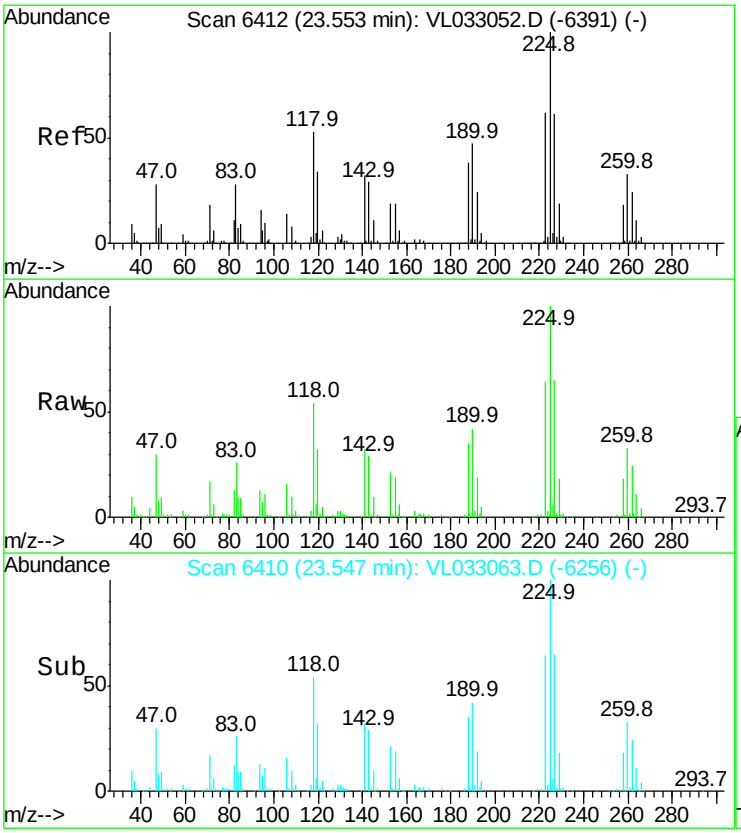
#77
1,2-Dichlorobenzene
Concen: 1.093 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 266974

Ion	Ratio	Lower	Upper
146	100		
111	50.3	24.4	73.2
148	66.5	32.3	96.9

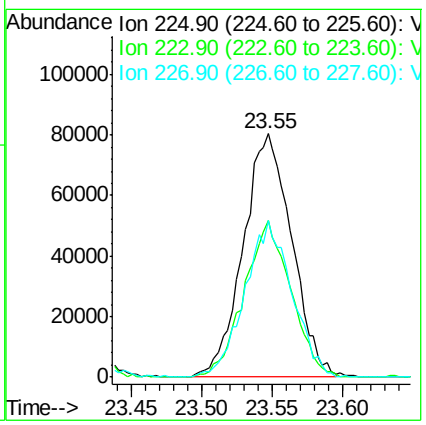


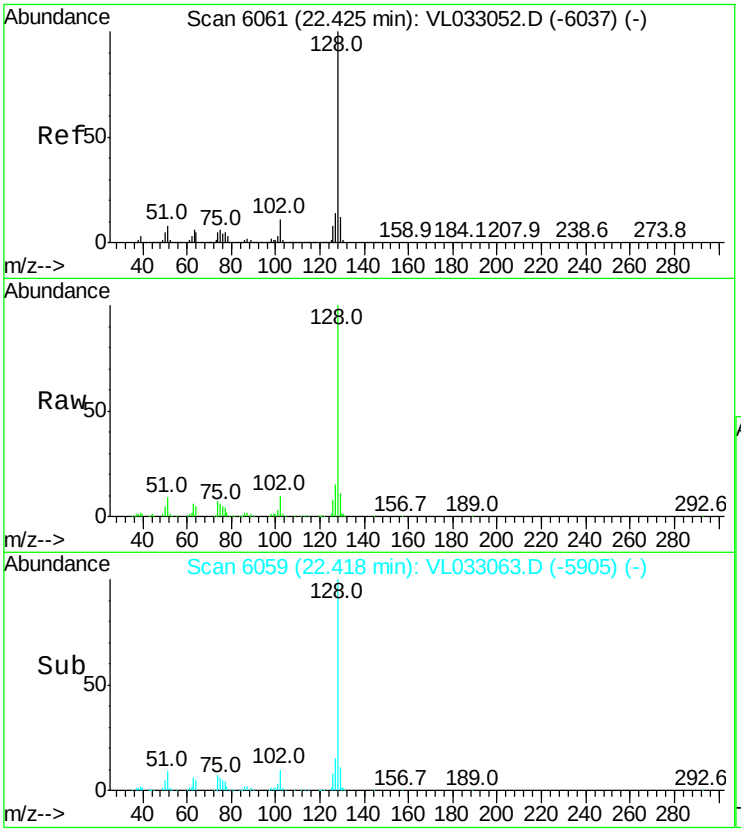


#78
Hexachloro-1,3-Butadiene
Concen: 1.126 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion:225 Resp: 193296

Ion	Ratio	Lower	Upper
225	100		
223	62.0	51.0	76.6
227	62.4	51.0	76.4



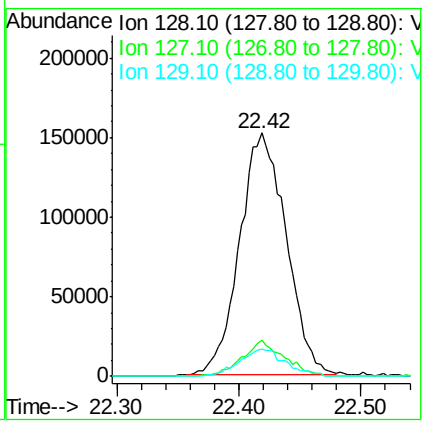


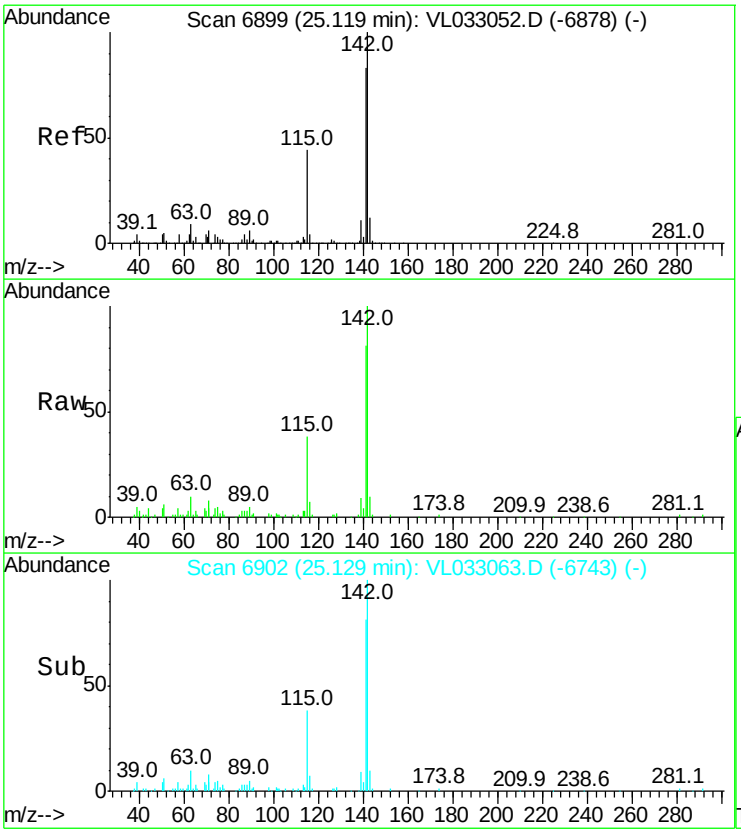
#79
Naphthalene
Concen: 0.973 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. -0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 402991

Ion	Ratio	Lower	Upper
128	100		
127	15.0	11.0	16.6
129	11.1	9.4	14.0

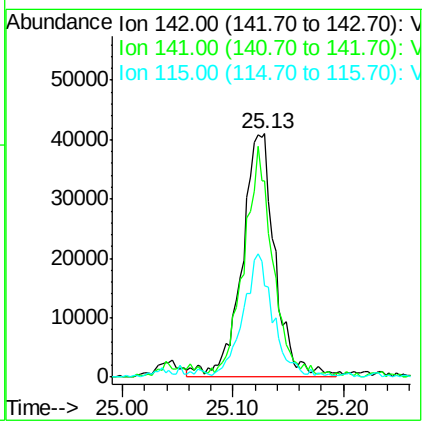


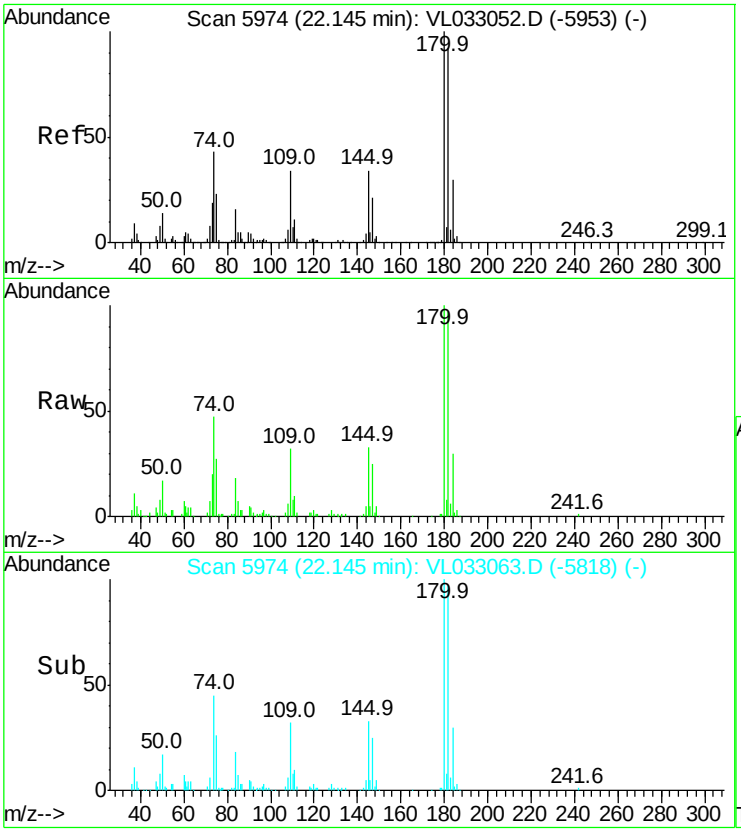


#80
Naphthalene,2-methyl-
Concen: 0.735 ppbv
RT: 25.13 min Scan# 6902
Delta R.T. 0.01 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Tgt Ion:142 Resp: 84389

Ion	Ratio	Lower	Upper
142	100		
141	81.6	68.6	103.0
115	49.1	35.6	53.4





#81
1,2,4-Trichlorobenzene
Concen: 1.044 ppbv
RT: 22.15 min Scan# 5974
Delta R.T. 0.00 min
Lab File: VL033063.D
Acq: 4 Jan 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 196854

Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.1	114.1
184	31.4	24.6	37.0