Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020419\

Quantitation Report (Not Reviewed)

Data File : VL033151.D
Acq On : 4 Feb 2019 10:42
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Feb 04 11:49:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 01 22:01:04 2019
QLast Update : Fri Feb 01 22:01:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1234436	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3460787	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3497447	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2652800	10.05	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	309708	1.673	ppbv	99
3) Chlorodifluoromethane	3.01	51	319656	1.610	ppbv	100
4) Chloromethane	3.17	50	182207	1.594	ppbv	93
5) Vinyl Chloride	3.29	62	164011	1.312	ppbv	98
6) Bromomethane	3.51	94	102529	1.861	ppbv	96
7) Chloroethane	3.60	64	61479	1.822	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	375057	1.638	ppbv	96
9) Propene	3.04	41	161283	1.590	ppbv	99
10) Heptane	8.25	43	491625	2.601	ppbv	98
11) Trichlorofluoromethane	4.00	101	404407	2.076	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	260665	2.102	ppbv	96
13) Ethanol	3.65	45	82788	2.884	ppbv	93
14) Bromoethene	3.79	108	124104	1.979	ppbv	98
15) Acetone	3.90	43	373005	2.384	ppbv	99
16) 1,3-Butadiene	3.36	39	139249	1.856	ppbv	100
17) tert-Butyl alcohol	4.35	59	30918	0.819	ppbv #	73
18) 1,1-Dichloroethene	4.35	96	118707	1.982	ppbv	96
19) Isopropyl Alcohol	4.02	45	232910	1.947	ppbv #	46
20) Methylene Chloride	4.41	84	118313	1.954	ppbv	97
21) Allyl Chloride	4.48	41	204988	2.039	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	116044	2.079	ppbv	98
23) Vinyl Acetate	5.15	43	565407	2.081	ppbv	99
24) 1,1-Dichloroethane	5.09	63	384497	2.121	ppbv	99
25) Ethyl Acetate	5.77	43	666449	1.988	ppbv	99
26) Hexane	5.78	57	316511	1.929	ppbv	97
27) Carbon Disulfide	4.62	76	273987	2.068	ppbv	97
28) Methyl tert-Butyl Ether	5.11	73	497919	2.111	ppbv	100
29) Chloroform	5.85	83	535293	2.415	ppbv	98
30) Cyclohexane	7.25	84	312178	2.454	ppbv	90
31) cis-1,2-Dichloroethene	5.64	61	303260	2.024	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	516289	2.256	ppbv #	82
34) 2-Butanone	5.33	43	468290	1.770	ppbv	99
35) Carbon Tetrachloride	7.13	117	505451	1.946	ppbv	97
36) Benzene	7.00	78	764159	1.969	ppbv	99
37) 1,2-Dichloroethane	6.41	62	402568	2.037	ppbv	99
38) Trichloroethene	7.96	130	267342	1.711	ppbv	97
39) 1,2-Dichloropropane	7.73	63	297914	2.094	ppbv	97
40) 1,4-Dioxane	7.96	88	112883	2.254	ppbv	98
41) Tetrahydrofuran	6.15	42	326741	2.056	ppbv	99
42) Bromodichloromethane	7.91	83	568437	2.018	ppbv	99
43) Methyl Methacrylate	8.13	69	308088	2.266	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020419\

Quantitation Report (Not Reviewed)

Data File : VL033151.D
Acq On : 4 Feb 2019 10:42
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Feb 04 11:49:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 01 22:01:04 2019
QLast Update : Fri Feb 01 22:01:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	1299596	2.075	ppbv		100
45) t-1,3-Dichloropropene	9.41	75	360310	2.193	ppbv		98
46) cis-1,3-Dichloropropene	8.83	75	440191	2.235	ppbv		95
47) 1,1,2-Trichloroethane	9.61	97	305588	2.355	ppbv		95
48) Dibromochloromethane	10.45	129	457480	2.115	ppbv		99
49) Bromoform	13.20	173	388233	2.164	ppbv		98
50) 4-Methyl-2-Pentanone	8.87	43	849082	2.471	ppbv		98
51) 2-Hexanone	10.27	43	740708	2.420	ppbv	#	99
52) Tetrachloroethene	11.37	164	249356	1.694	ppbv		98
53) Toluene	9.95	91	878304	1.976	ppbv		99
54) 1,2-Dibromoethane	10.76	107	455717	1.867	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.28	131	332036	2.134	ppbv	#	1
57) Chlorobenzene	12.30	112	642305	2.087	ppbv		97
58) Ethyl Benzene	12.86	91	1276987	2.226	ppbv		99
59) m/p-Xylene	13.12	91	888336	1.899	ppbv	#	15
60) o-Xylene	13.85	91	976159	2.157	ppbv		98
61) Styrene	13.68	104	755586	2.177	ppbv		98
62) Isopropylbenzene	14.83	105	1392142	2.164	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.83	83	705502	2.066	ppbv		100
64) n-propylbenzene	15.72	120	362752	2.200	ppbv		92
65) tert-Butylbenzene	16.91	119	1264204	2.335	ppbv		96
66) Benzyl Chloride	17.15	91	581906	2.399	ppbv		98
67) sec-Butylbenzene	17.46	105	1809528	2.353	ppbv		100
69) p-Isopropyltoluene	17.81	119	1499420	2.474	ppbv		98
70) n-Butylbenzene	18.71	91	1638450	2.657	ppbv		99
71) 2-Chlorotoluene	15.62	91	1096326	2.239	ppbv		98
72) 4-Ethyltoluene	16.00	105	1176374	2.319	ppbv		99
73) 1,3,5-Trimethylbenzene	16.15	105	1121950	2.453	ppbv		98
74) 1,2,4-Trimethylbenzene	16.93	105	1173507	2.605	ppbv		97
75) 1,3-Dichlorobenzene	17.16	146	641891	2.392	ppbv		100
76) 1,4-Dichlorobenzene	17.31	146	629116	2.348	ppbv		99
77) 1,2-Dichlorobenzene	17.98	146	631759	2.441	ppbv		99
78) Hexachloro-1,3-Butadiene	23.55	225	284255	2.370	ppbv		99
79) Naphthalene	22.41	128	1403599	4.752	ppbv		98
80) Naphthalene,2-methyl-	25.12	142	748922	8.596	ppbv		99
81) 1,2,4-Trichlorobenzene	22.13	180	629275	4.047	ppbv		100

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

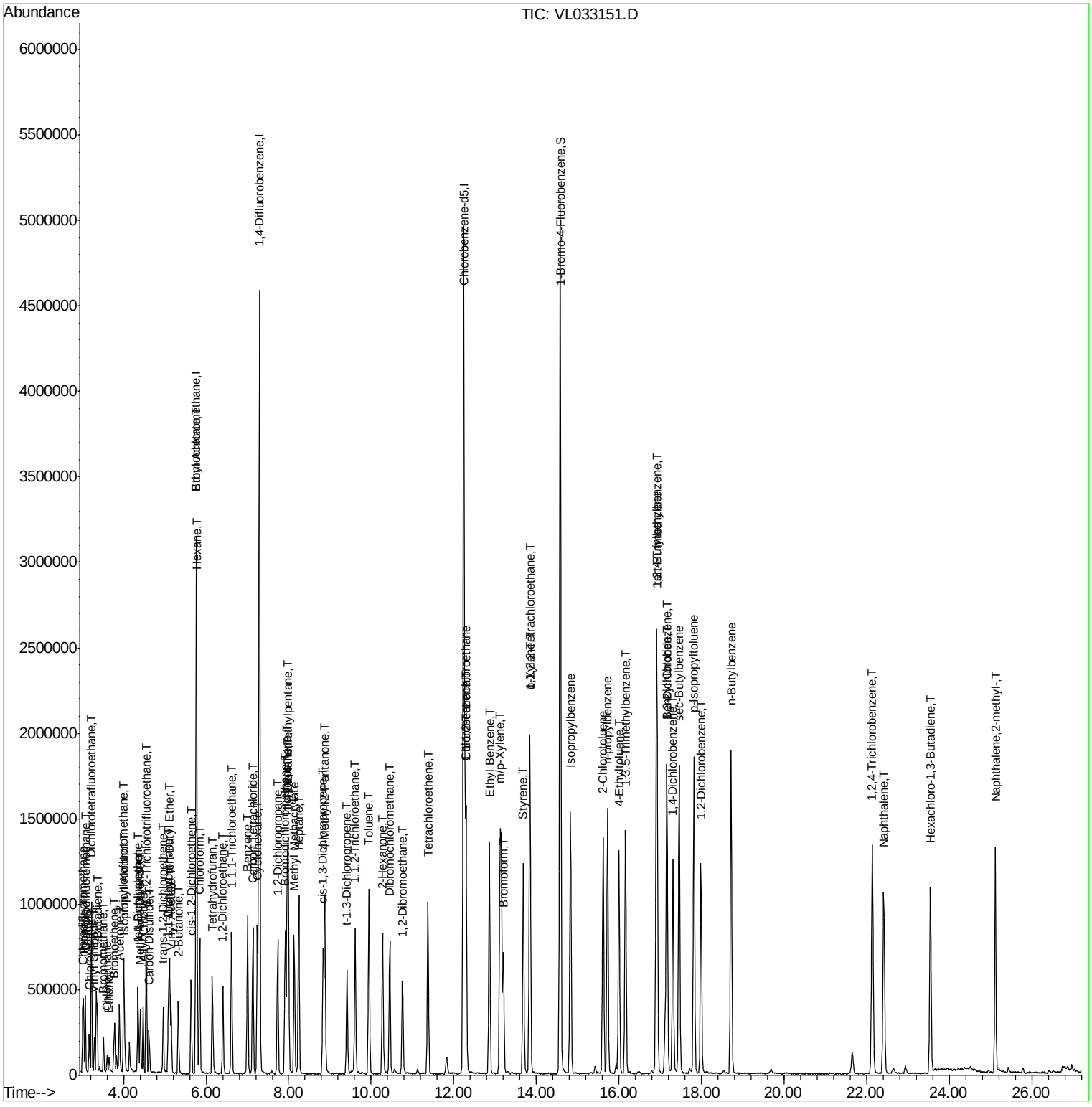
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020419\

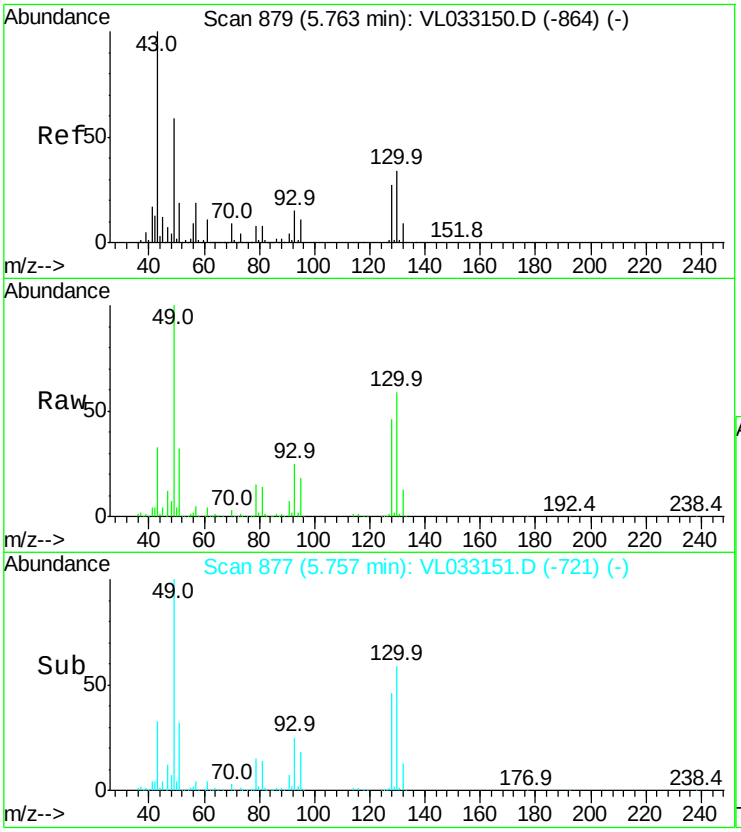
Quantitation Report (Not Reviewed)

Data File : VL033151.D
Acq On : 4 Feb 2019 10:42
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Feb 04 11:49:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 01 22:01:04 2019
QLast Update : Fri Feb 01 22:01:04 2019
Response via : Initial Calibration



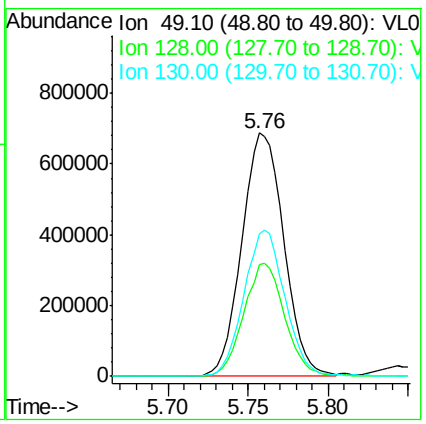


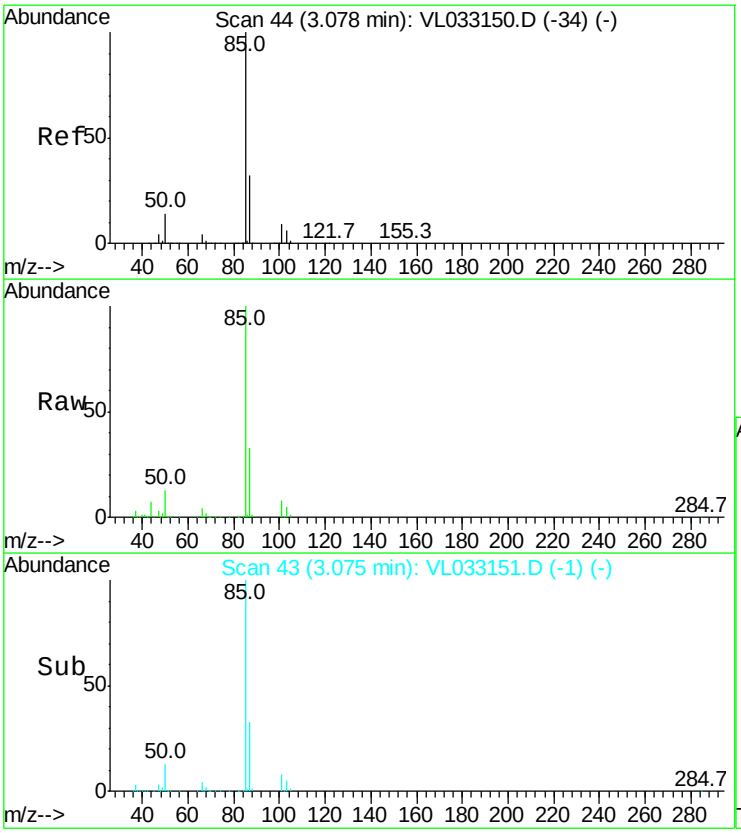
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 1234436

Ion	Ratio	Lower	Upper
49	100		
128	45.7	23.2	69.5
130	59.4	29.5	88.6

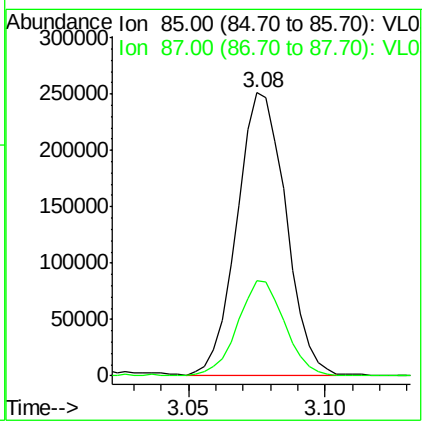


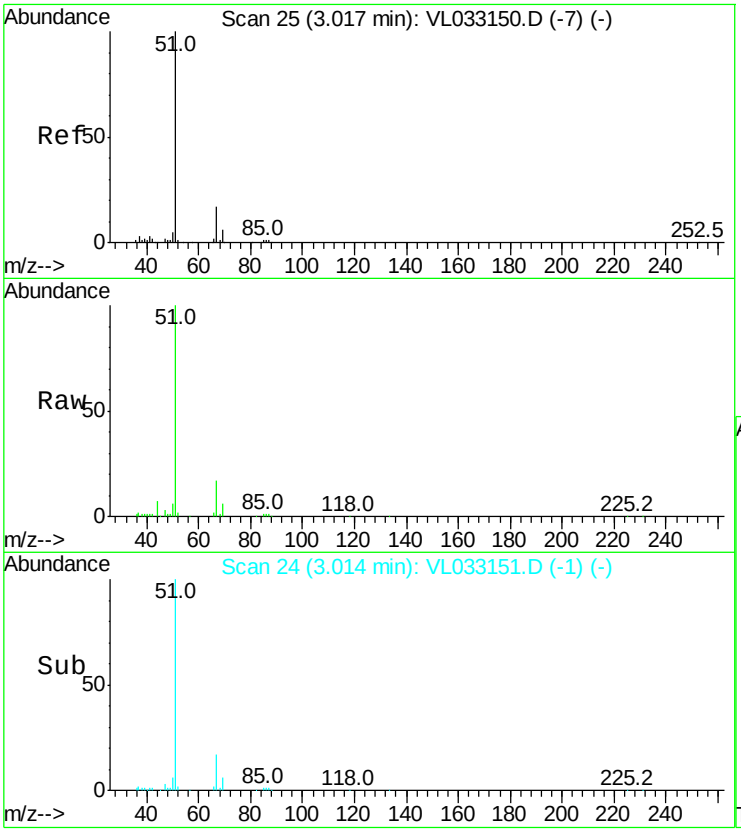


#2
Dichlorodifluoromethane
Concen: 1.673 ppbv
RT: 3.08 min Scan# 43
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 85 Resp: 309708

Ion	Ratio	Lower	Upper
85	100		
87	33.5	27.4	41.0



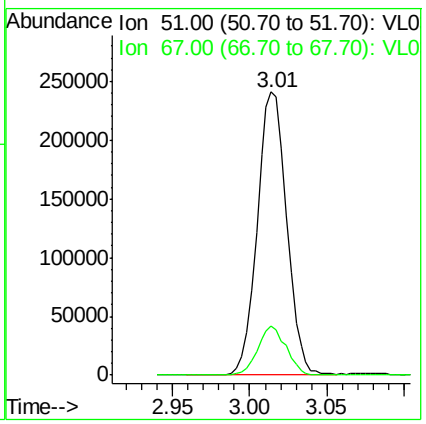


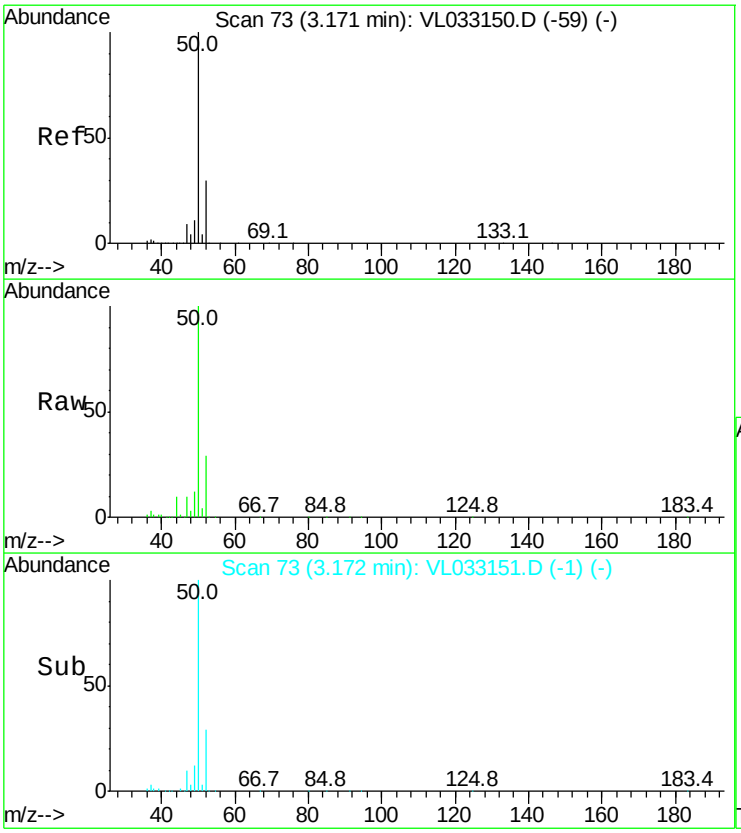
#3
Chlorodifluoromethane
Concen: 1.610 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 51 Resp: 319656

Ion	Ratio	Lower	Upper
51	100		
67	16.8	13.4	20.2

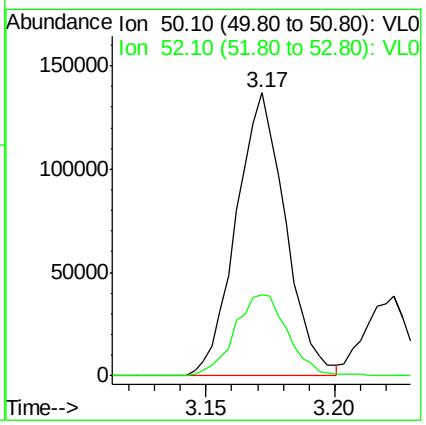


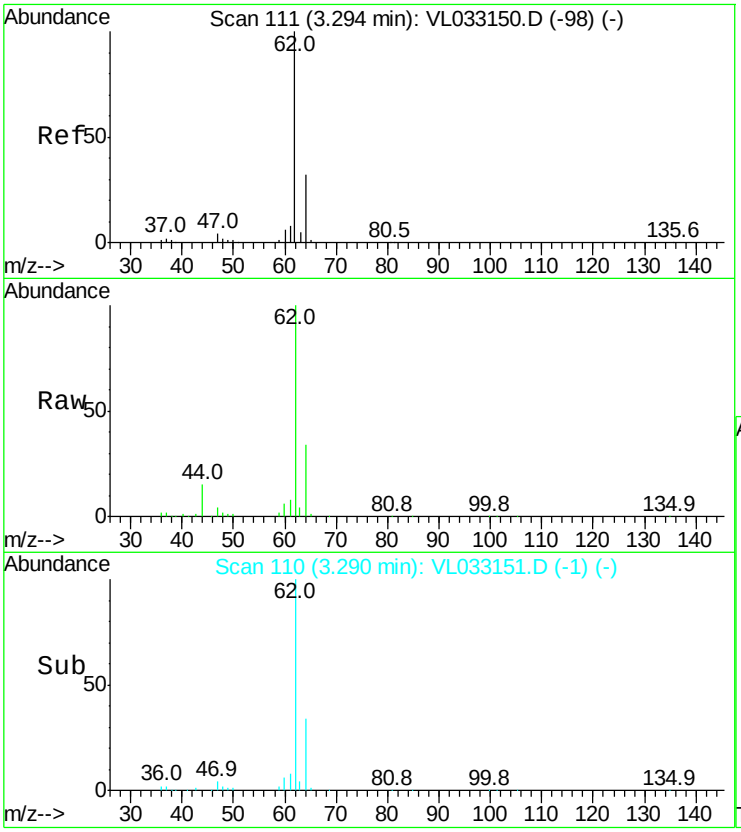


#4
Chloromethane
Concen: 1.594 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 50 Resp: 182207

Ion	Ratio	Lower	Upper
50	100		
52	28.4	25.7	38.5



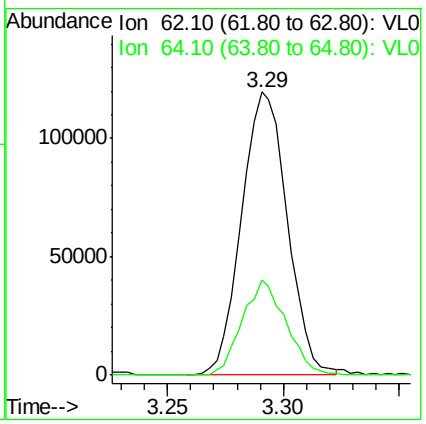


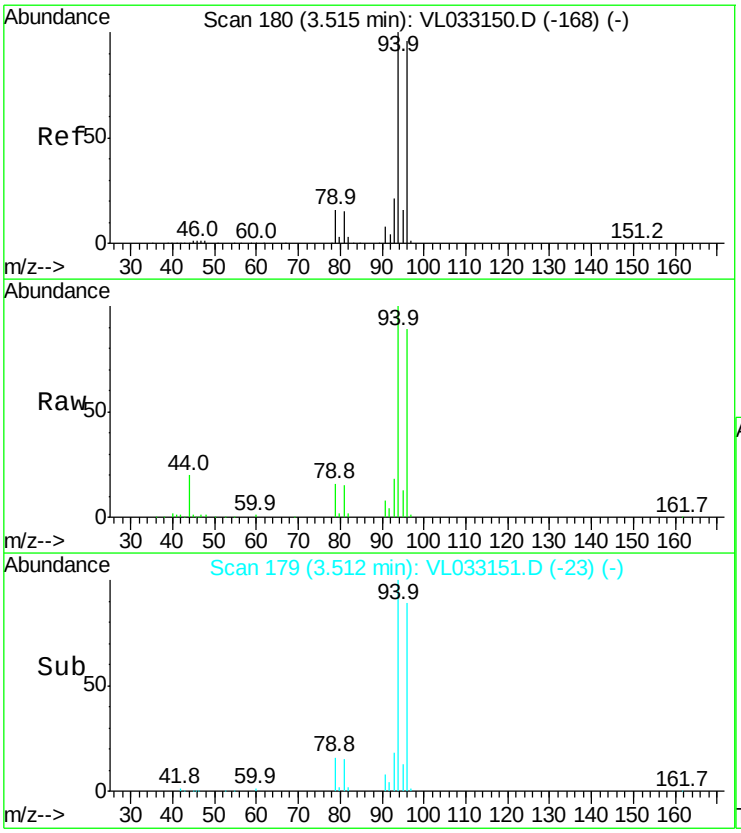
#5
Vinyl Chloride
Concen: 1.312 ppbv
RT: 3.29 min Scan# 110
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 164011

Ion	Ratio	Lower	Upper
62	100		
64	33.9	26.3	39.5

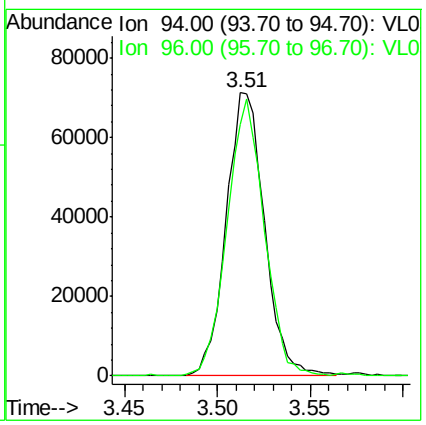


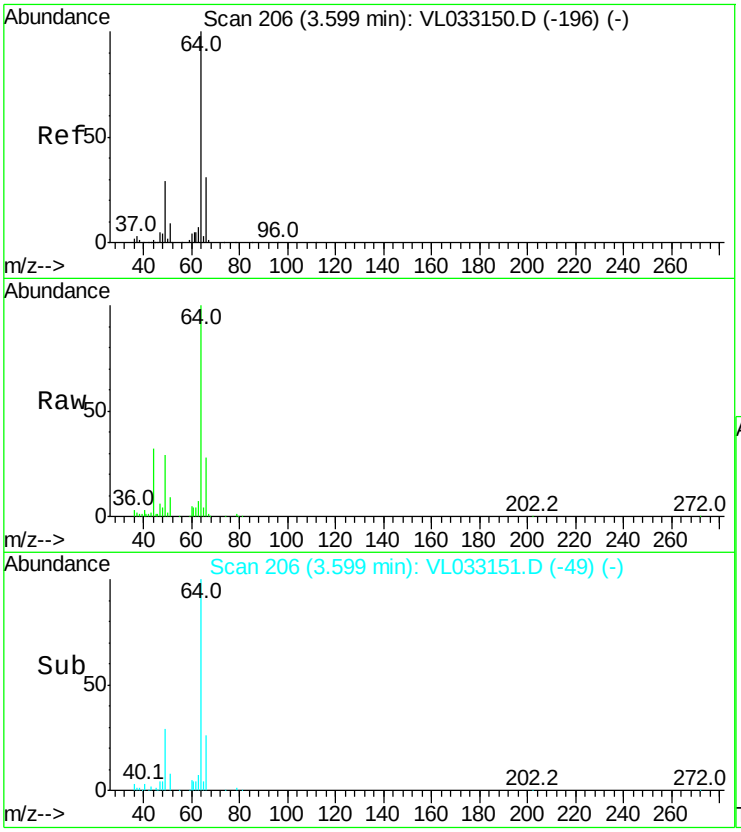


#6
Bromomethane
Concen: 1.861 ppbv
RT: 3.51 min Scan# 179
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 94 Resp: 102529

Ion	Ratio	Lower	Upper
94	100		
96	88.5	74.0	111.0



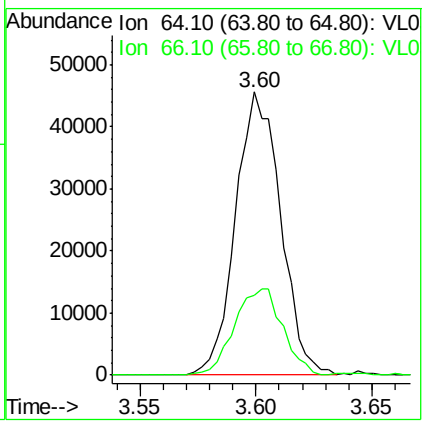


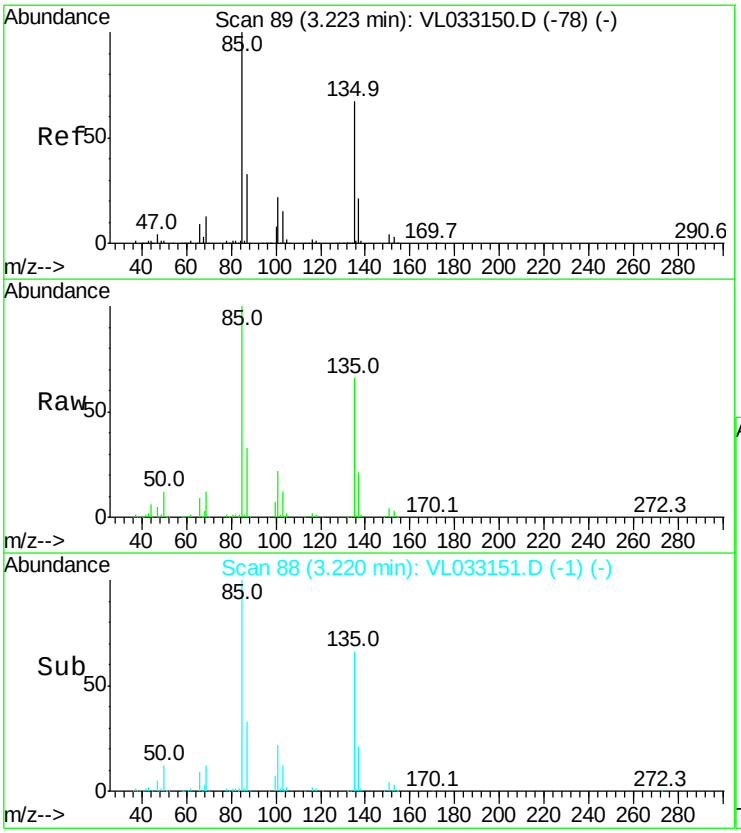
#7
Chloroethane
Concen: 1.822 ppbv
RT: 3.60 min Scan# 206
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 61479

Ion	Ratio	Lower	Upper
64	100		
66	28.4	22.3	33.5

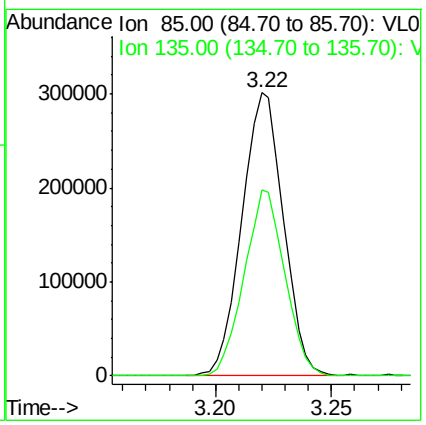


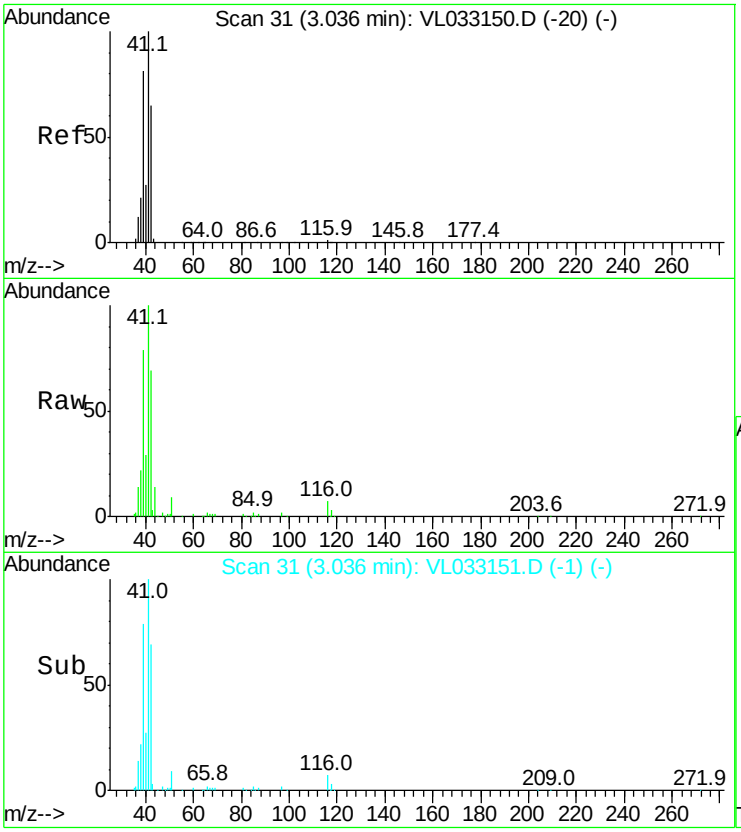


#8
Dichlorotetrafluoroethane
Concen: 1.638 ppbv
RT: 3.22 min Scan# 88
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 85 Resp: 375057

Ion	Ratio	Lower	Upper
85	100		
135	64.5	54.0	81.0



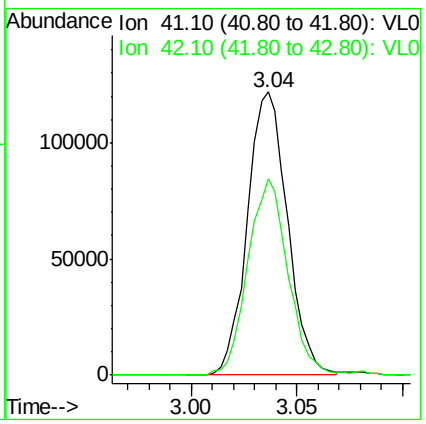


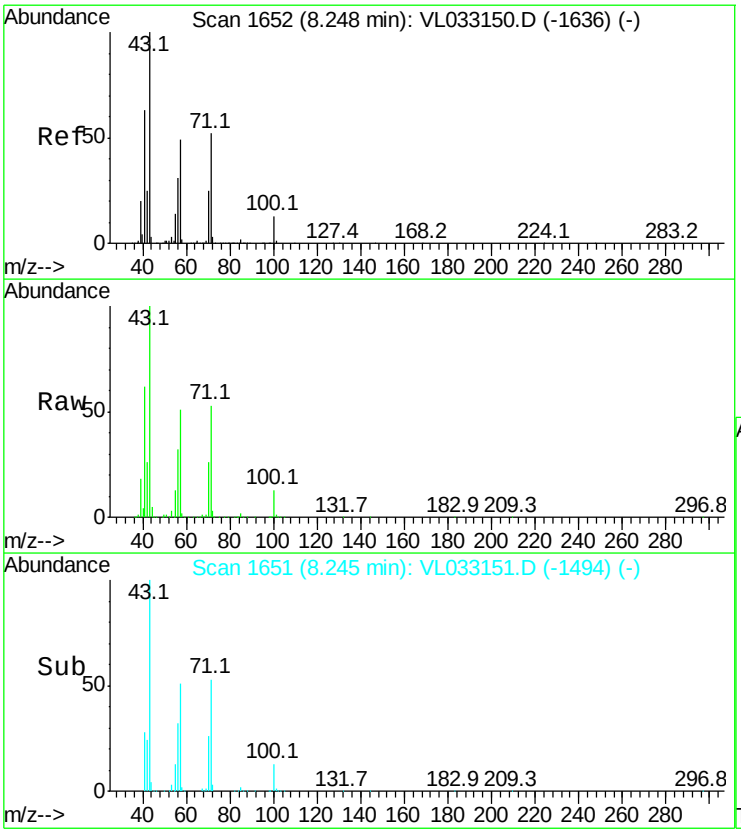
#9
Propene
Concen: 1.590 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 161283

Ion	Ratio	Lower	Upper
41	100		
42	69.9	55.1	82.7

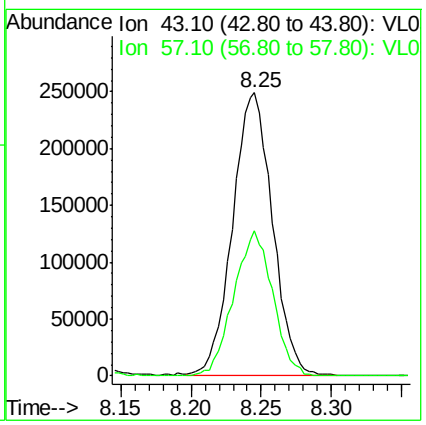


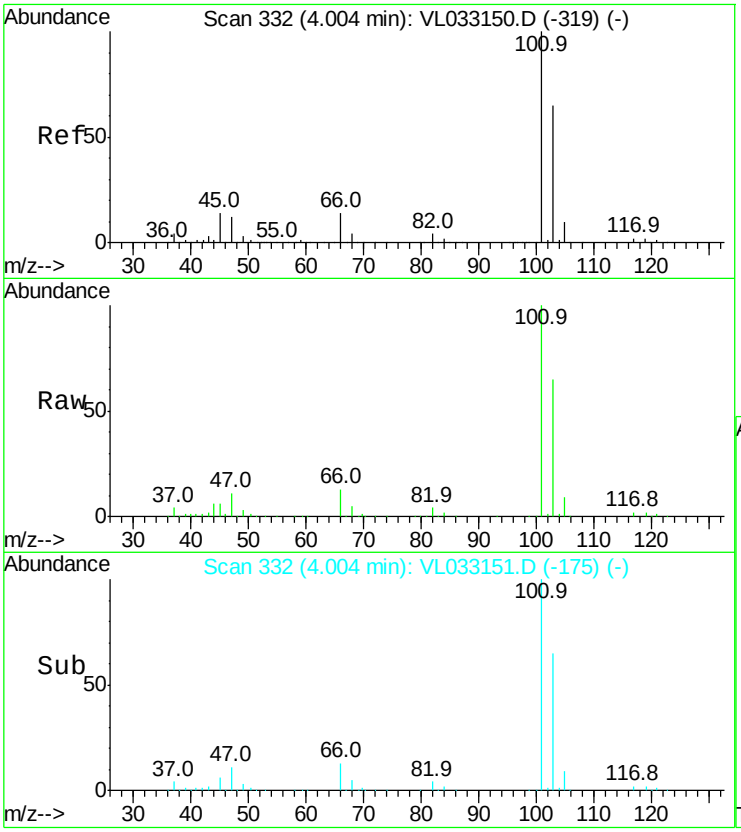


#10
Heptane
Concen: 2.601 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 43 Resp: 491625

Ion	Ratio	Lower	Upper
43	100		
57	50.3	39.3	58.9



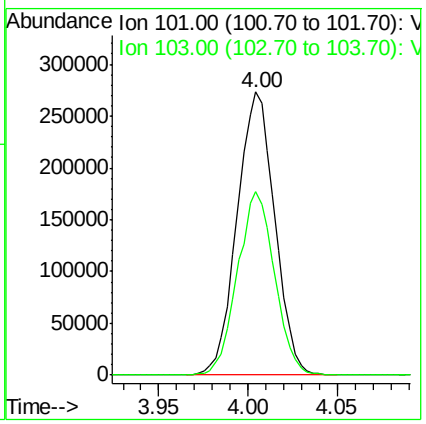


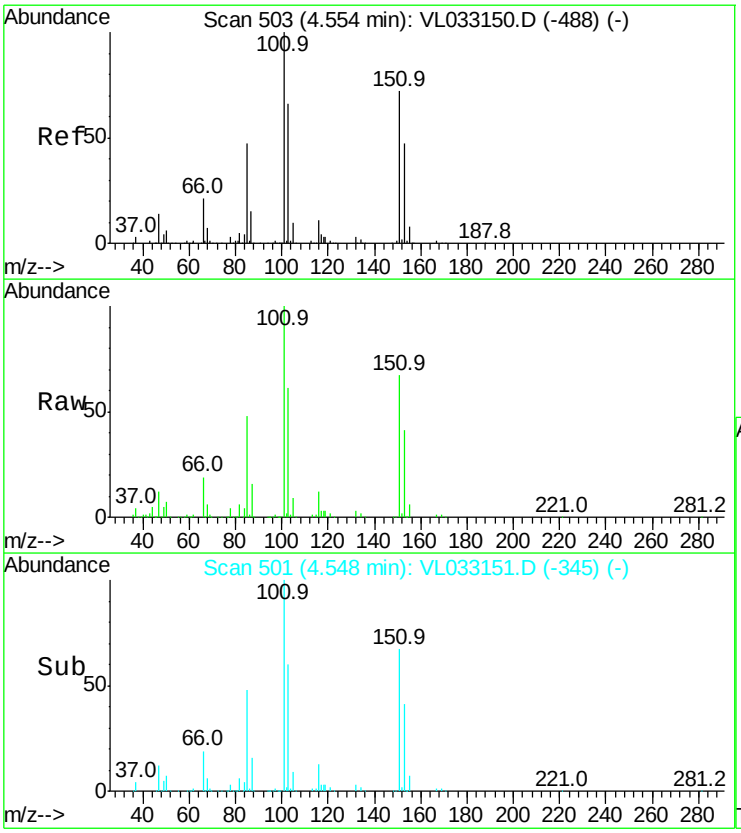
#11
Trichlorofluoromethane
Concen: 2.076 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 404407

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.3	76.9

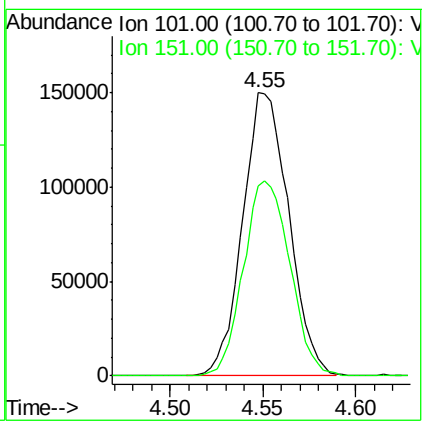


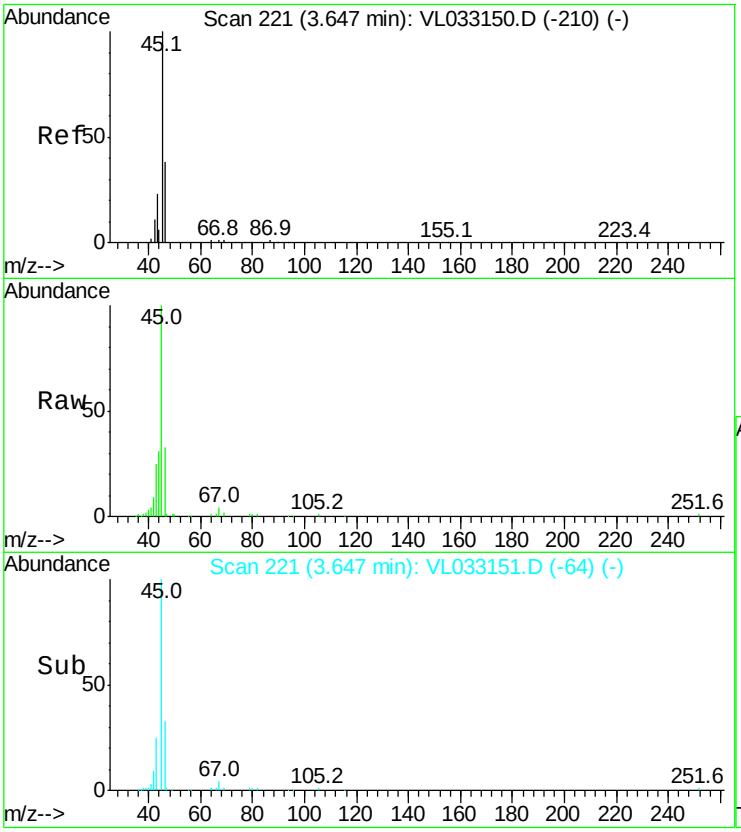


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.102 ppbv
RT: 4.55 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion:101 Resp: 260665

Ion	Ratio	Lower	Upper
101	100		
151	69.5	57.9	86.9



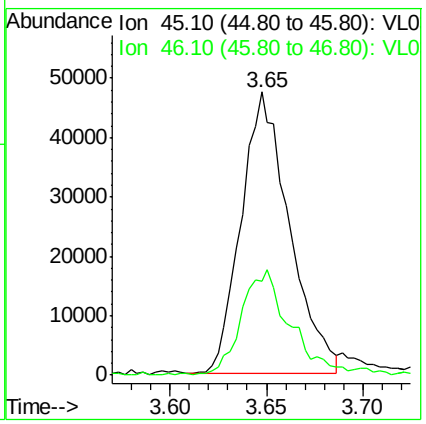


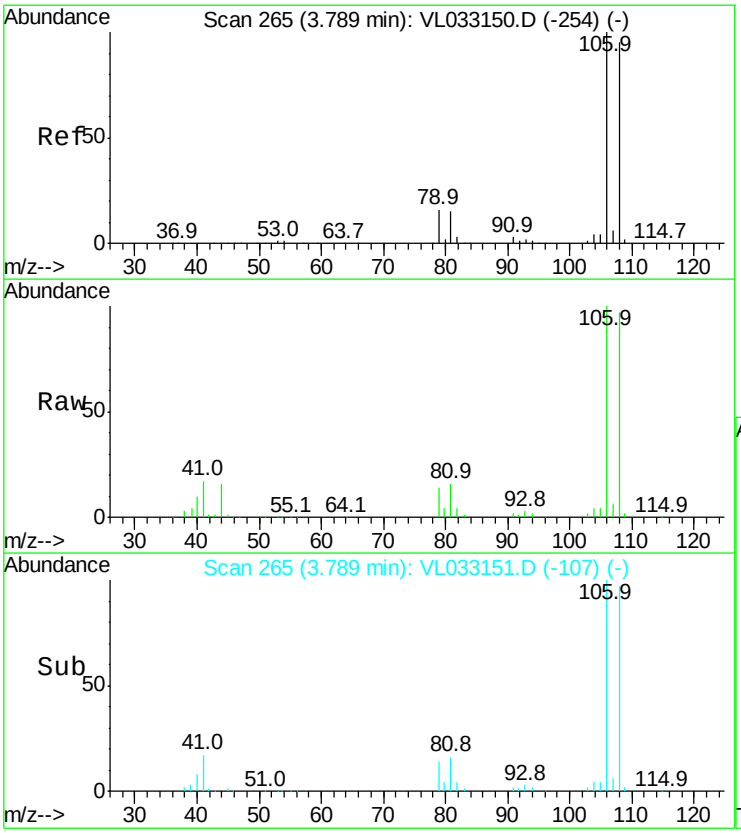
#13
Ethanol
Concen: 2.884 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 82788

Ion	Ratio	Lower	Upper
45	100		
46	39.0	14.0	56.2

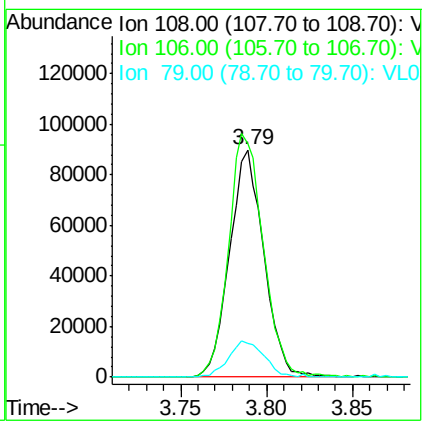


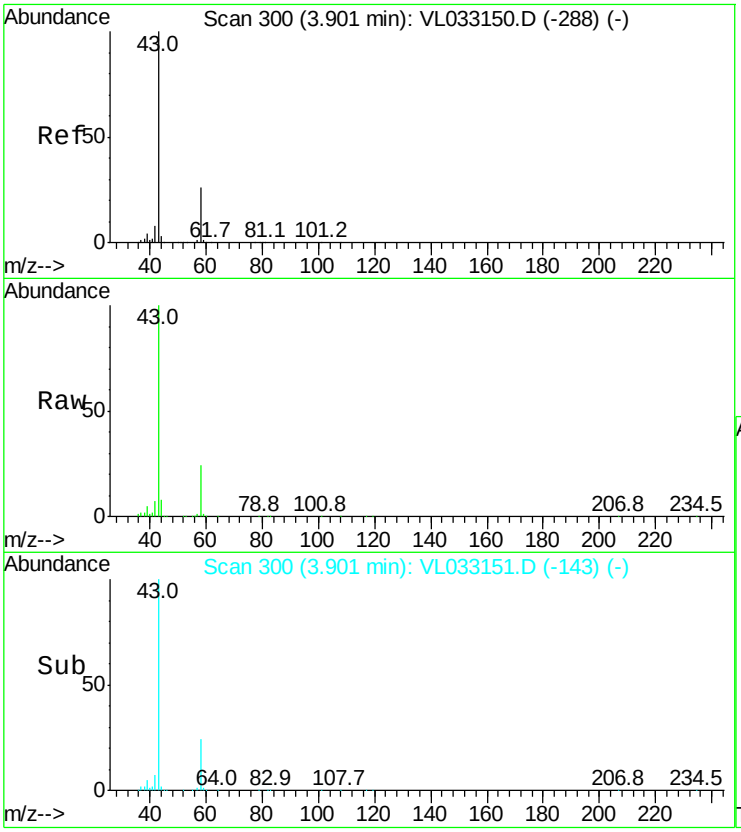


#14
Bromoethene
Concen: 1.979 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.01 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion:108 Resp: 124104

Ion	Ratio	Lower	Upper
108	100		
106	109.4	85.6	128.4
79	17.0	14.2	21.4



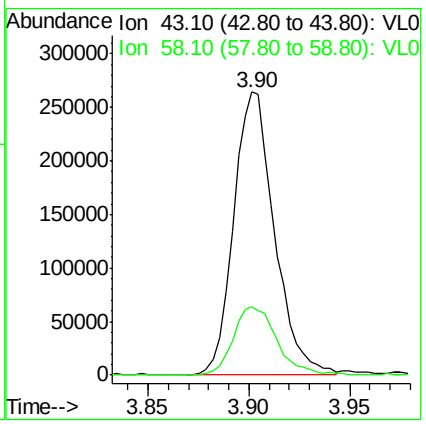


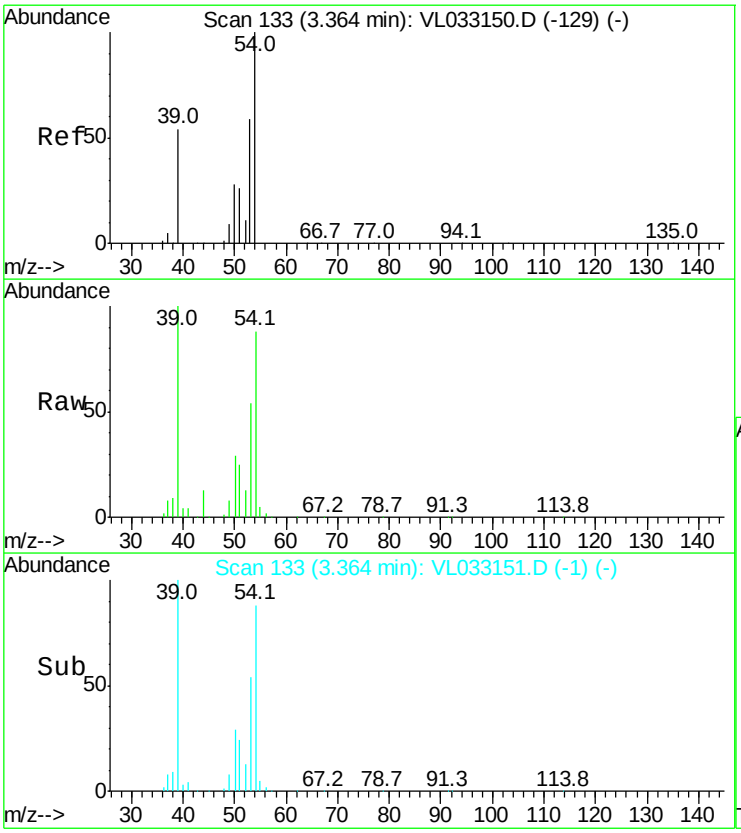
#15
Acetone
Concen: 2.384 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 373005

Ion	Ratio	Lower	Upper
43	100		
58	26.4	21.8	32.6

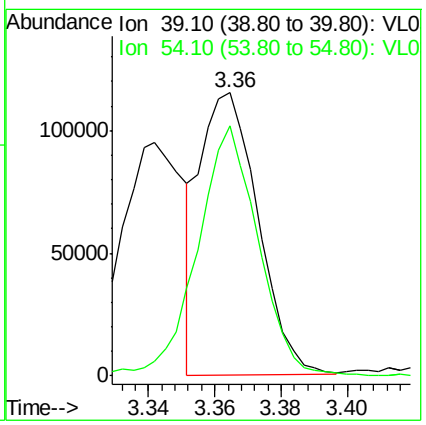


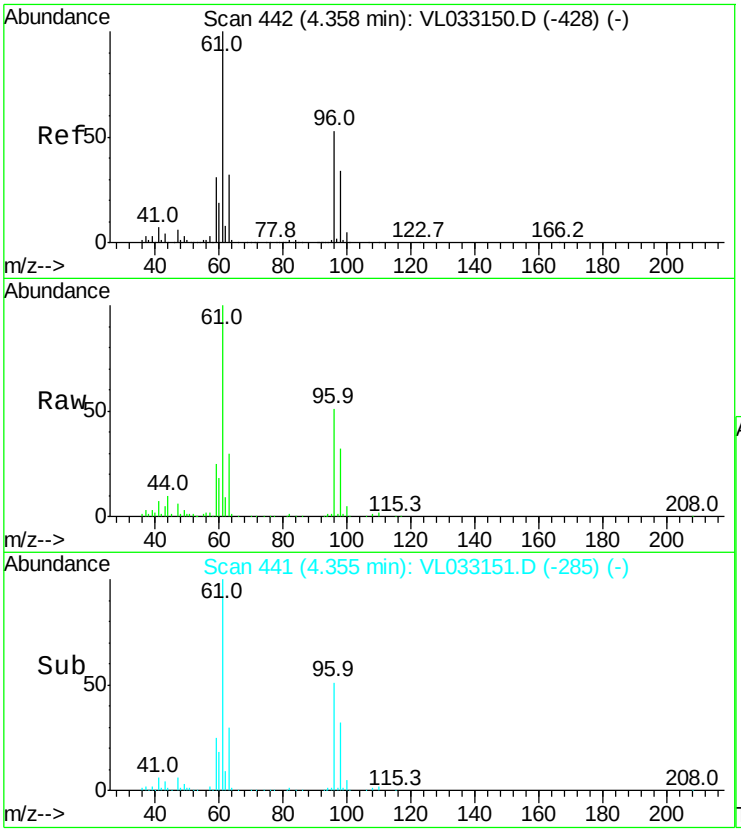


#16
1,3-Butadiene
Concen: 1.856 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 39 Resp: 139249

Ion	Ratio	Lower	Upper
39	100		
54	93.7	75.0	112.6



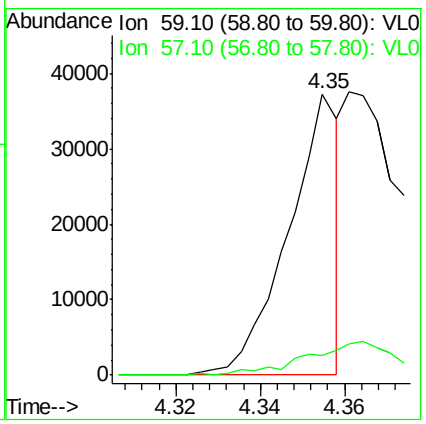


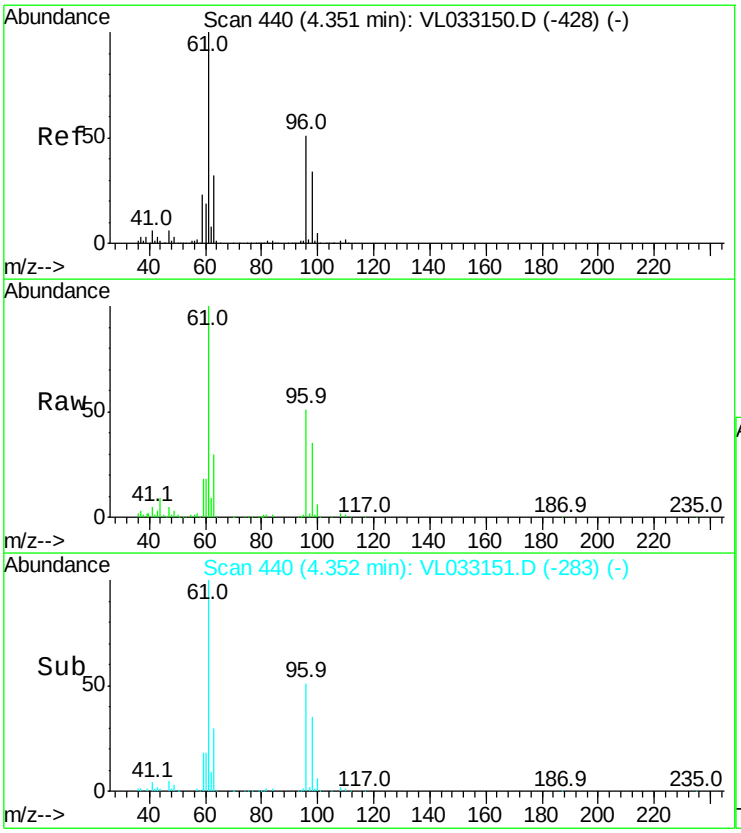
#17
tert-Butyl alcohol
Concen: 0.819 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 30918

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.0	12.0#

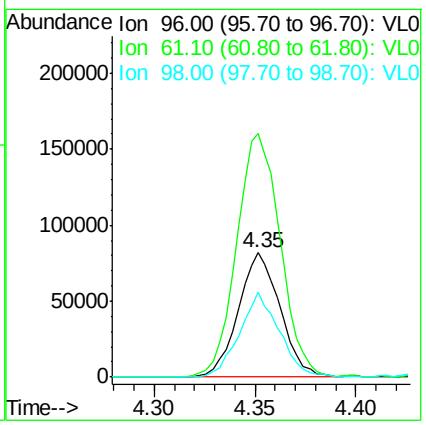


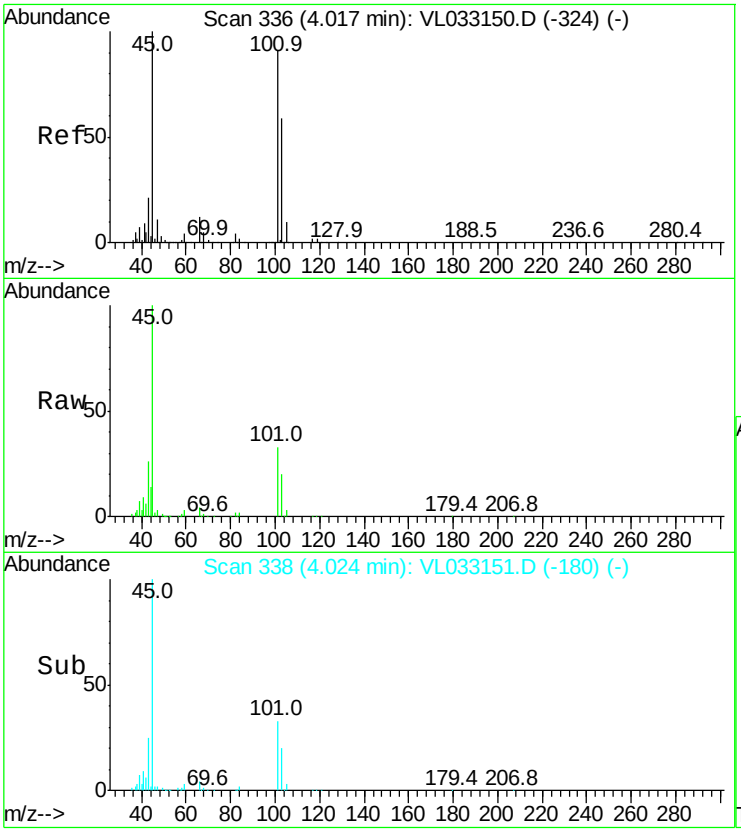


#18
1,1-Dichloroethene
Concen: 1.982 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 96 Resp: 118707

Ion	Ratio	Lower	Upper
96	100		
61	195.6	158.5	237.7
98	68.5	47.8	71.6



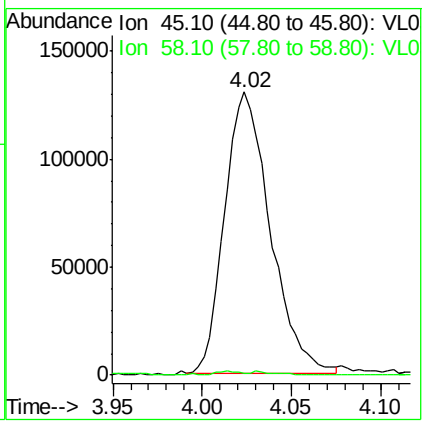


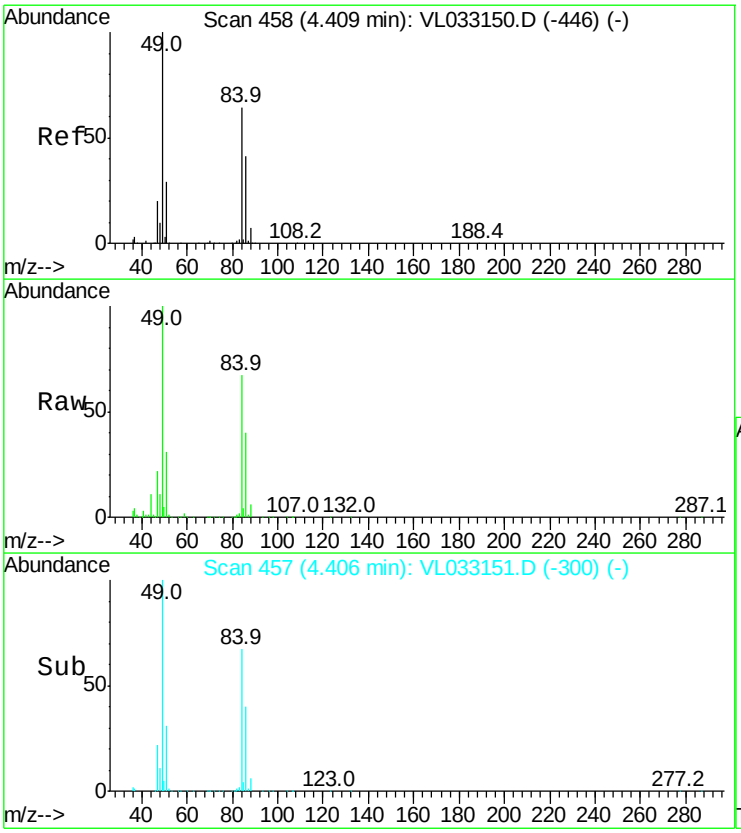
#19
Isopropyl Alcohol
Concen: 1.947 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.01 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 232910

Ion	Ratio	Lower	Upper
45	100		
58	1.7	25.1	37.7#

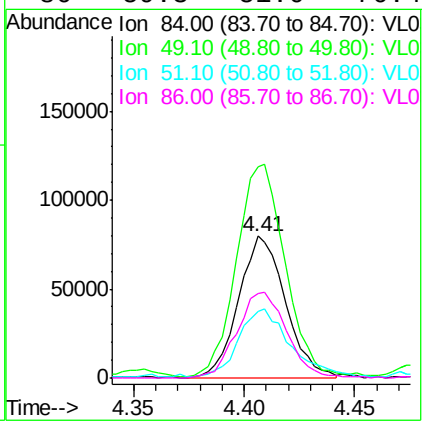


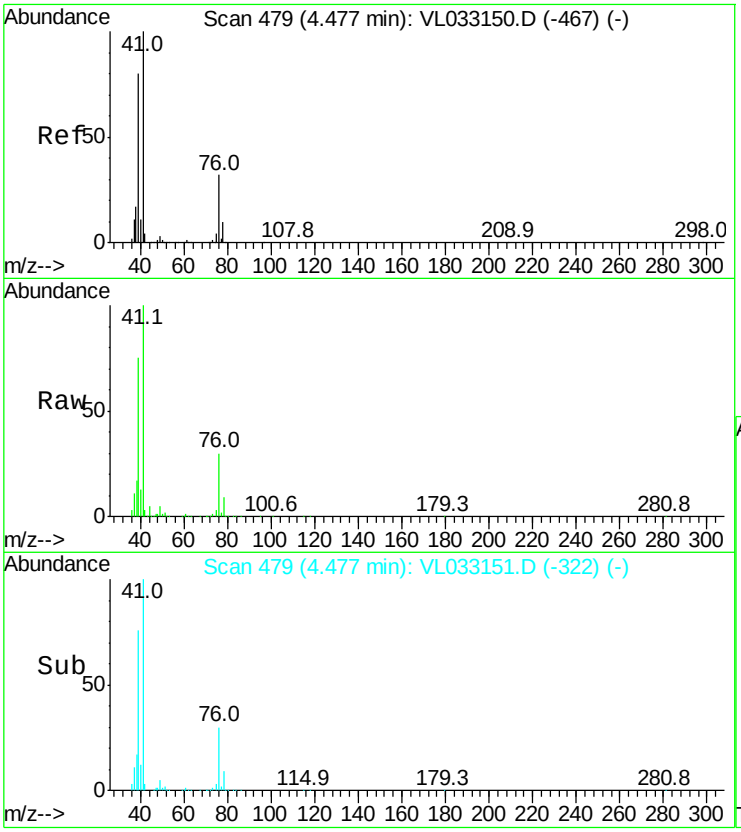


#20
Methylene Chloride
Concen: 1.954 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 84 Resp: 118313

Ion	Ratio	Lower	Upper
84	100		
49	147.8	121.1	181.7
51	47.2	37.5	56.3
86	59.3	51.0	76.4



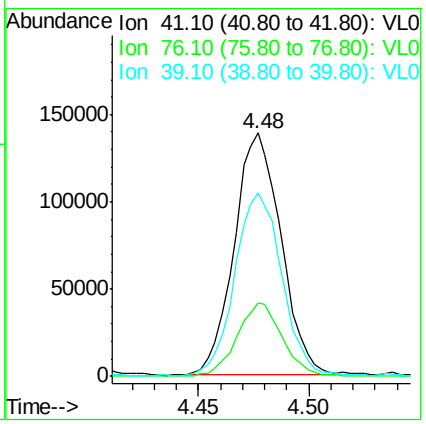


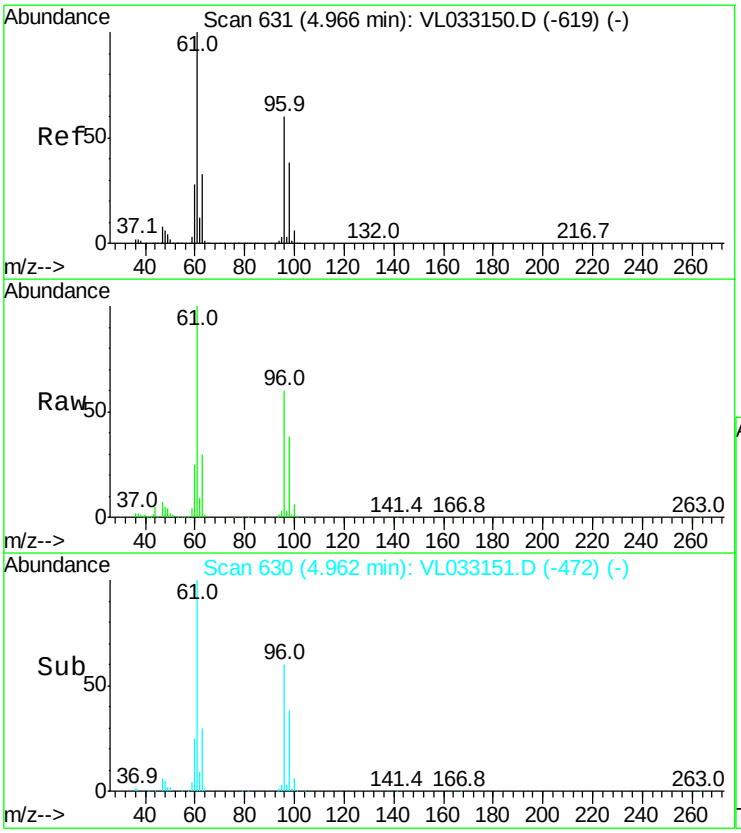
#21
Allyl Chloride
Concen: 2.039 ppbv
RT: 4.48 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 204988

Ion	Ratio	Lower	Upper
41	100		
76	29.7	23.2	34.8
39	76.6	61.8	92.6

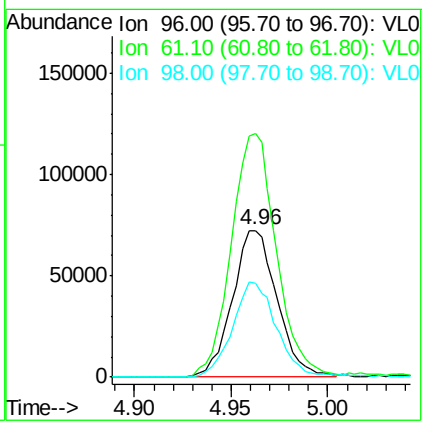


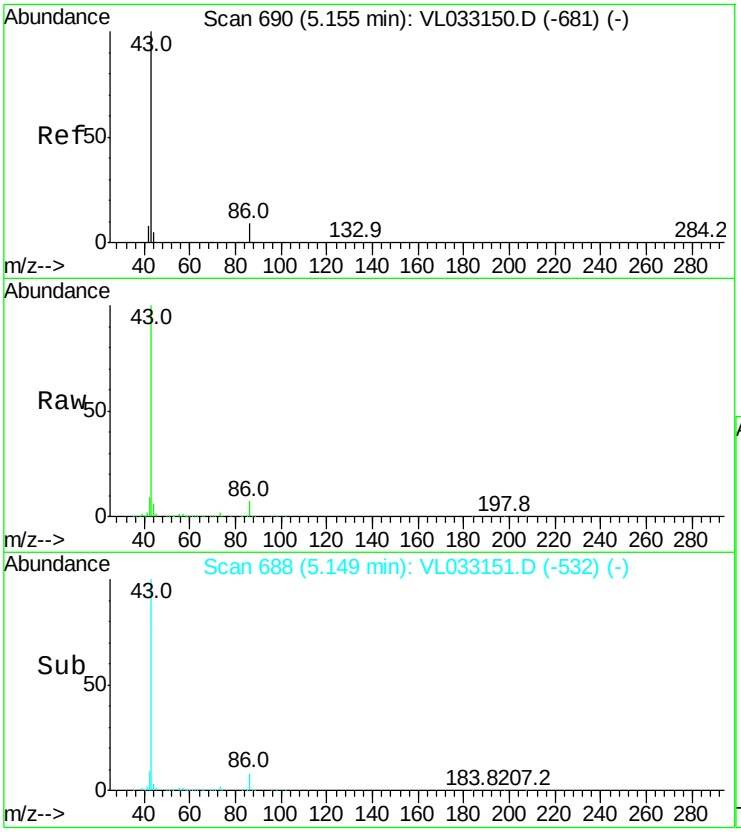


#22
trans-1,2-Dichloroethene
Concen: 2.079 ppbv
RT: 4.96 min Scan# 630
Delta R.T. 0.01 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 96 Resp: 116044

Ion	Ratio	Lower	Upper
96	100		
61	165.4	134.5	201.7
98	63.6	50.2	75.2



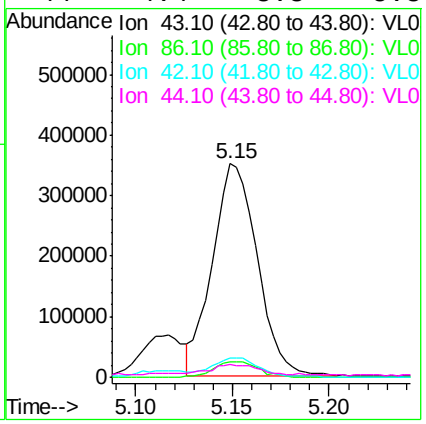


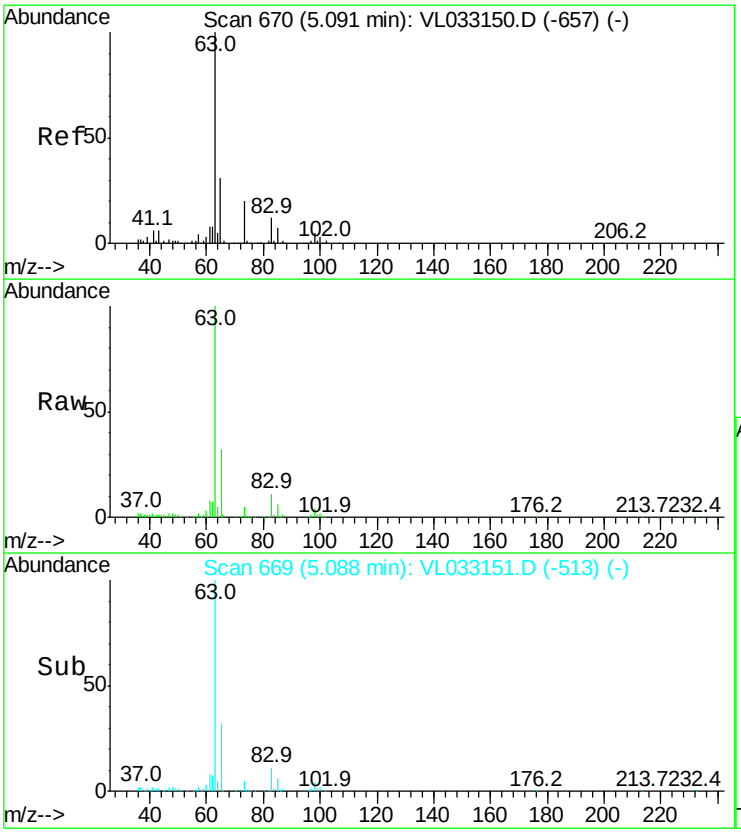
#23
Vinyl Acetate
Concen: 2.081 ppbv
RT: 5.15 min Scan# 688
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 565407

Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.2	9.4
42	9.1	7.7	11.5
44	4.4	3.8	5.8

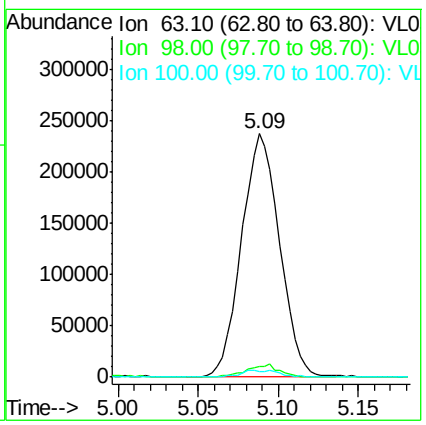


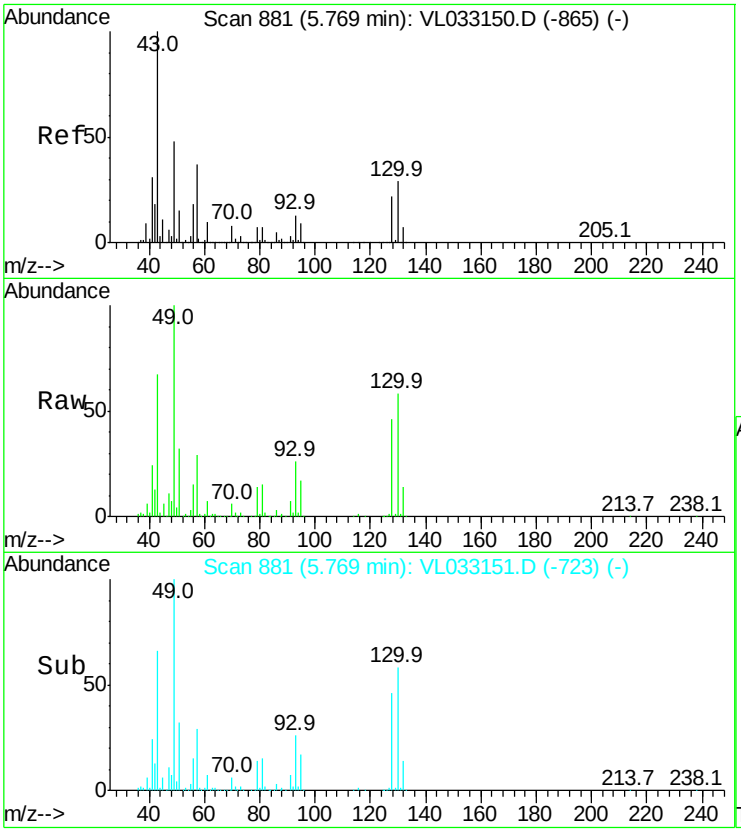


#24
1,1-Dichloroethane
Concen: 2.121 ppbv
RT: 5.09 min Scan# 669
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 63 Resp: 384497

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.9
100	2.3	1.3	3.9



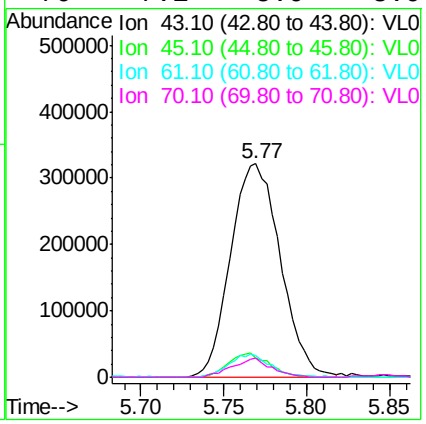


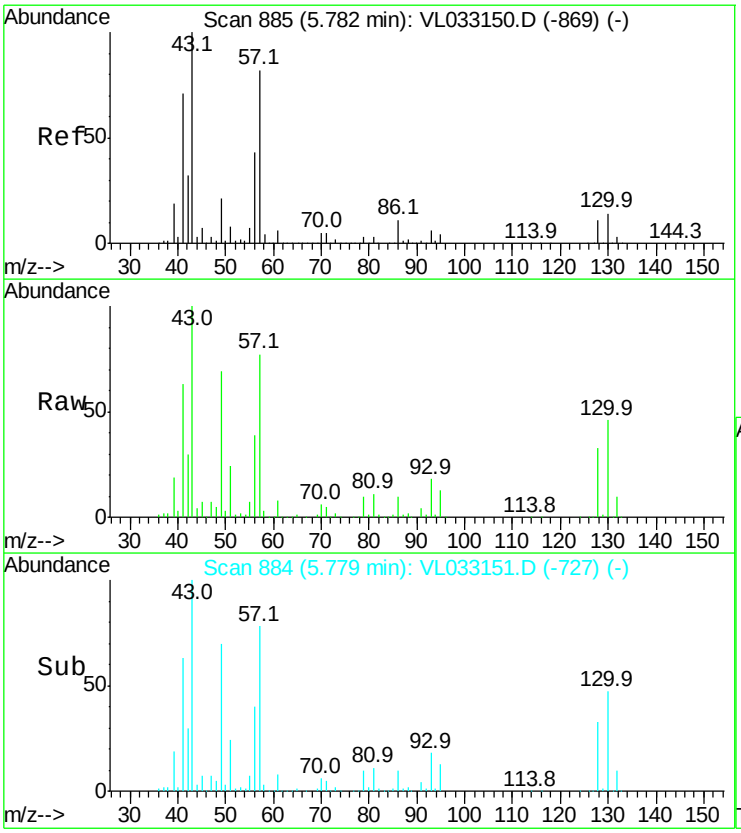
#25
Ethyl Acetate
Concen: 1.988 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.01 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 666449

Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	9.0	7.4	11.2
70	7.1	5.9	8.9

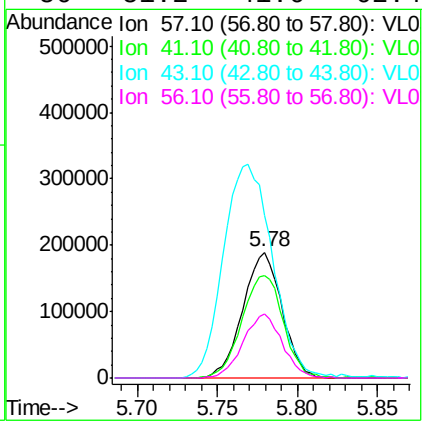


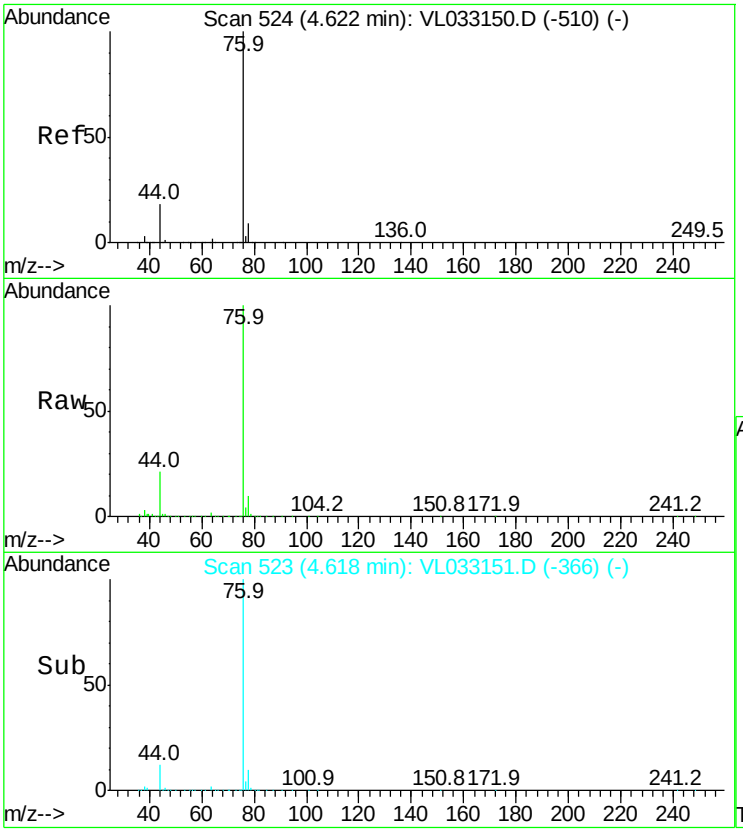


#26
Hexane
Concen: 1.929 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 57 Resp: 316511

Ion	Ratio	Lower	Upper
57	100		
41	85.8	69.5	104.3
43	213.9	175.5	263.3
56	51.2	41.6	62.4



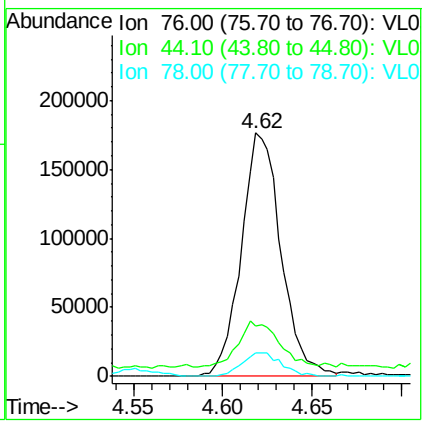


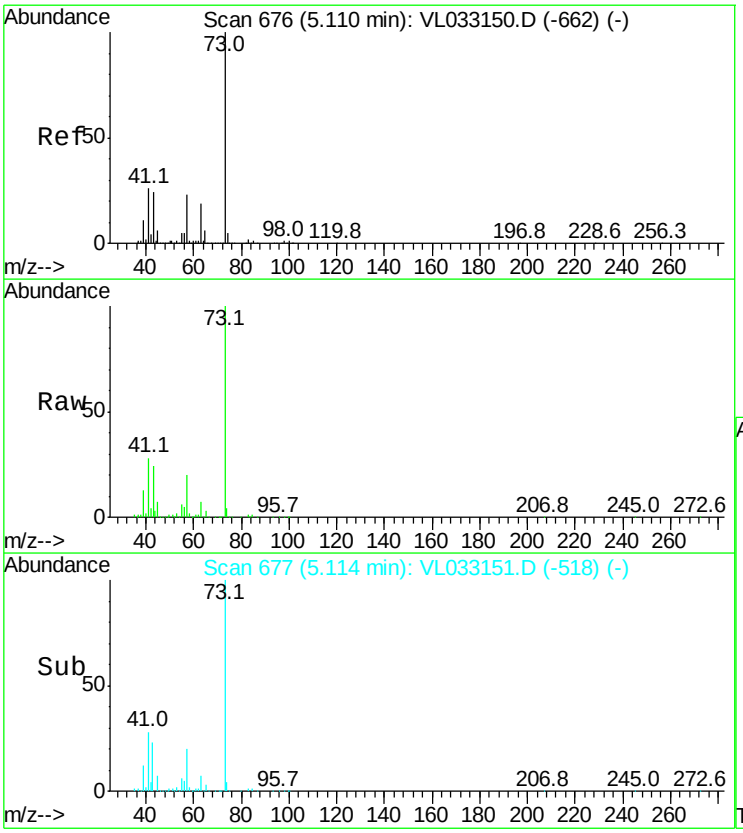
#27
Carbon Disulfide
Concen: 2.068 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 76 Resp: 273987

Ion	Ratio	Lower	Upper
76	100		
44	19.9	17.1	25.7
78	10.0	7.2	10.8

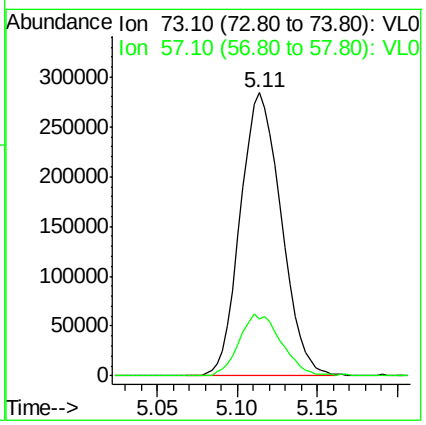


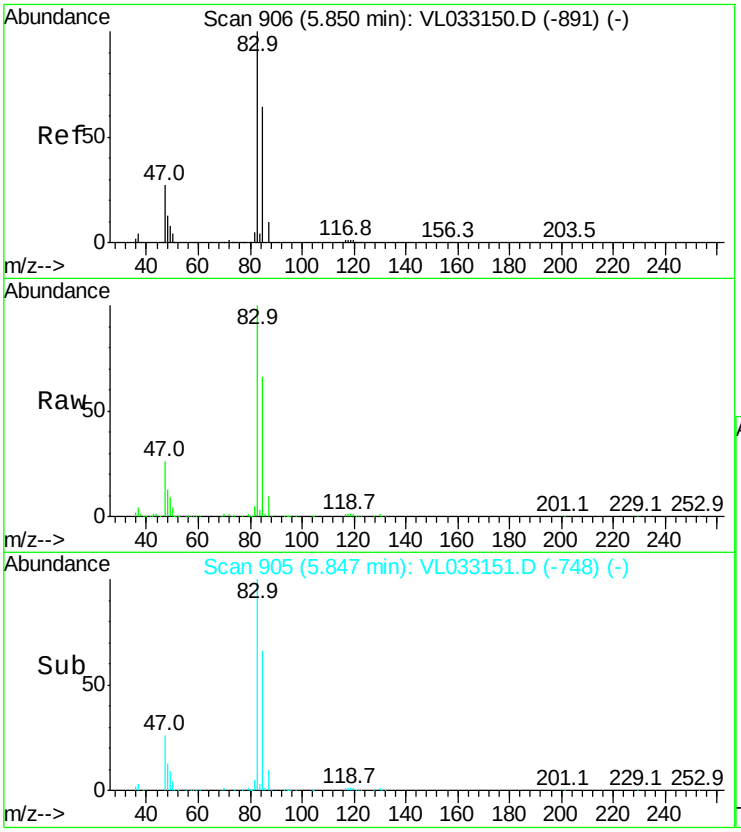


#28
Methyl tert-Butyl Ether
Concen: 2.111 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.01 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 73 Resp: 497919

Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.3	27.5



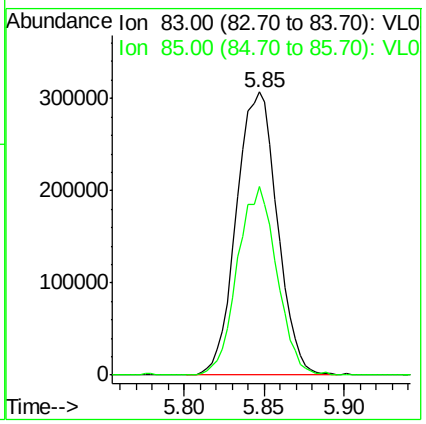


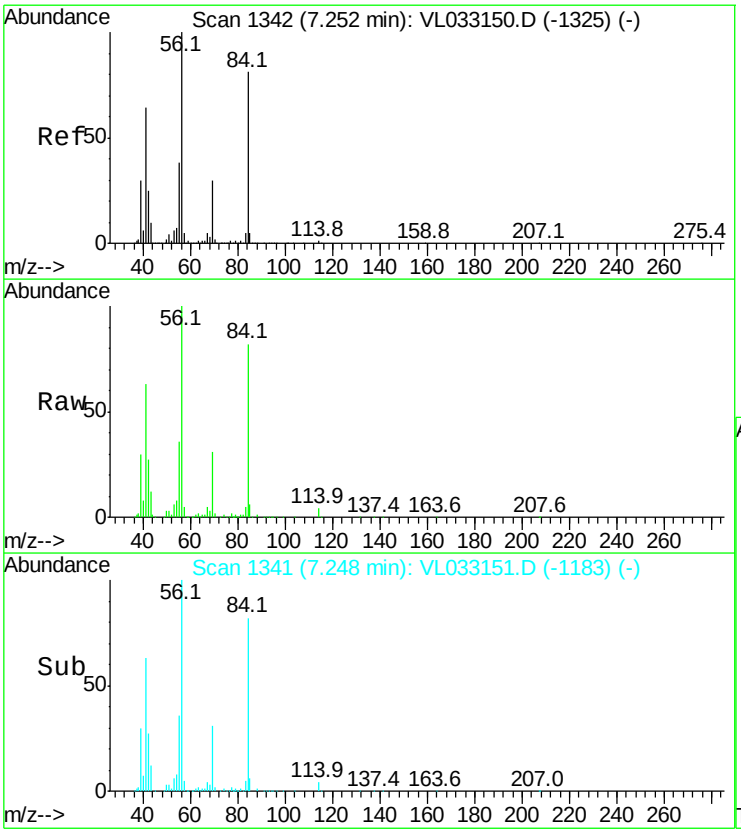
#29
Chloroform
Concen: 2.415 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 535293

Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.6	77.4

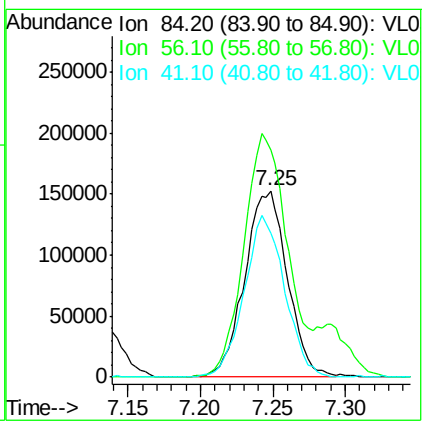


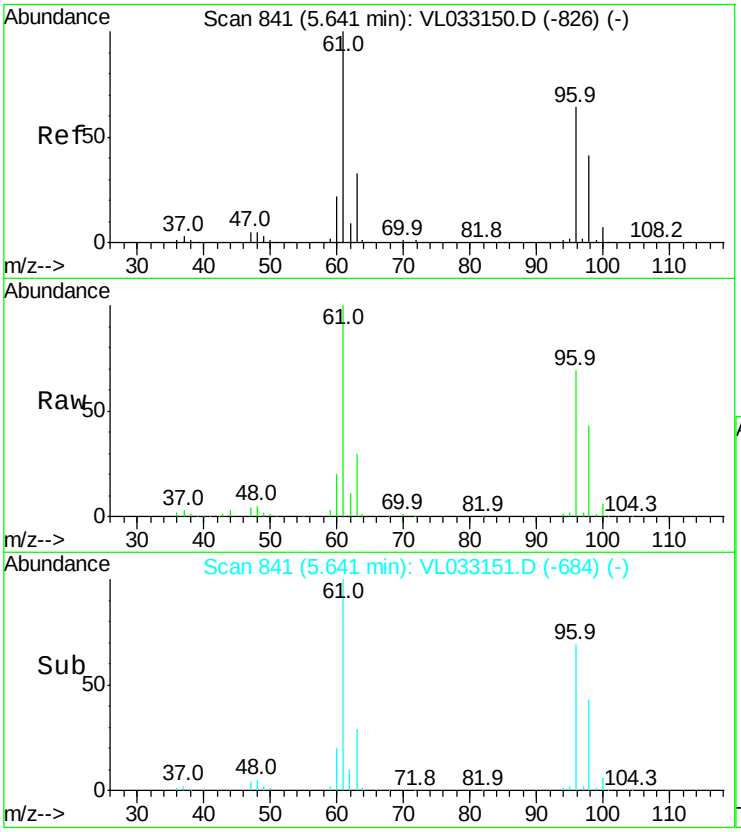


#30
Cyclohexane
Concen: 2.454 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.01 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 84 Resp: 312178

Ion	Ratio	Lower	Upper
84	100		
56	155.0	109.0	163.4
41	83.0	65.3	97.9



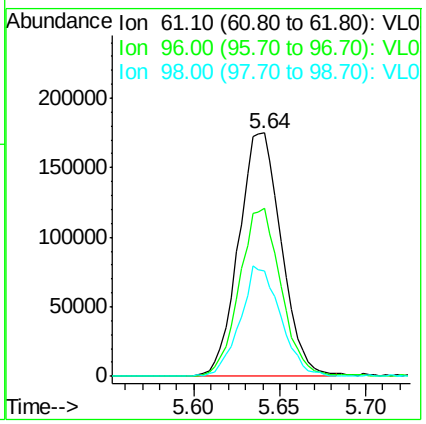


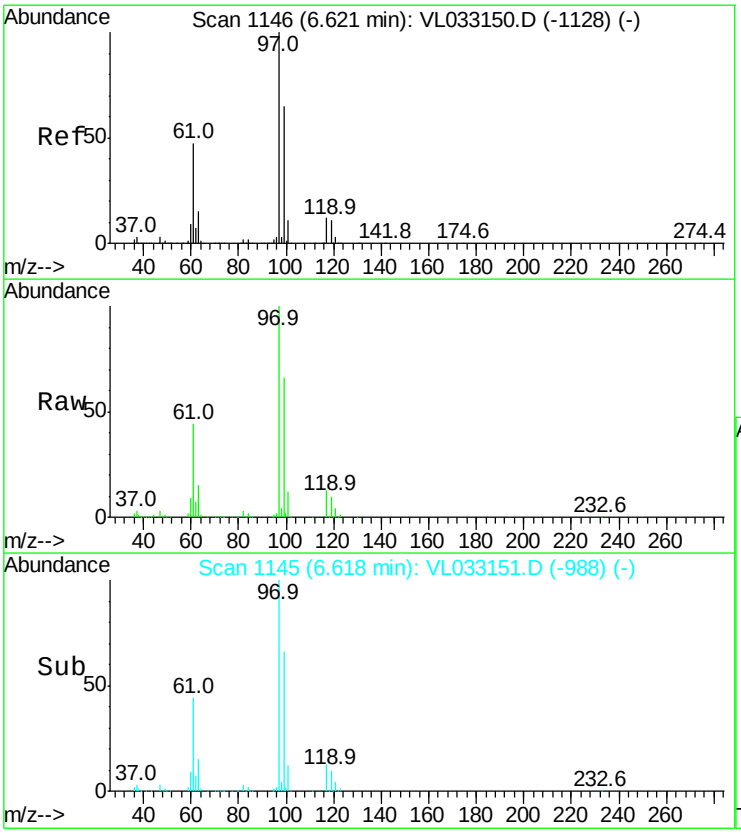
#31
cis-1,2-Dichloroethene
Concen: 2.024 ppbv
RT: 5.64 min Scan# 841
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 303260

Ion	Ratio	Lower	Upper
61	100		
96	68.8	53.3	79.9
98	43.3	33.7	50.5

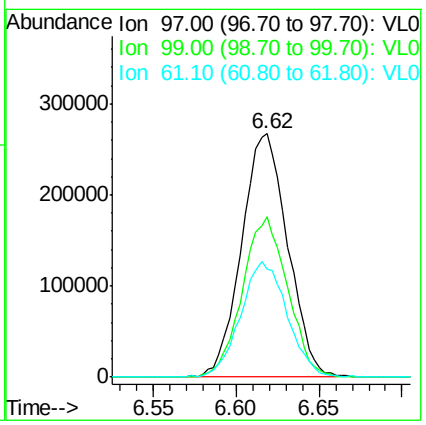


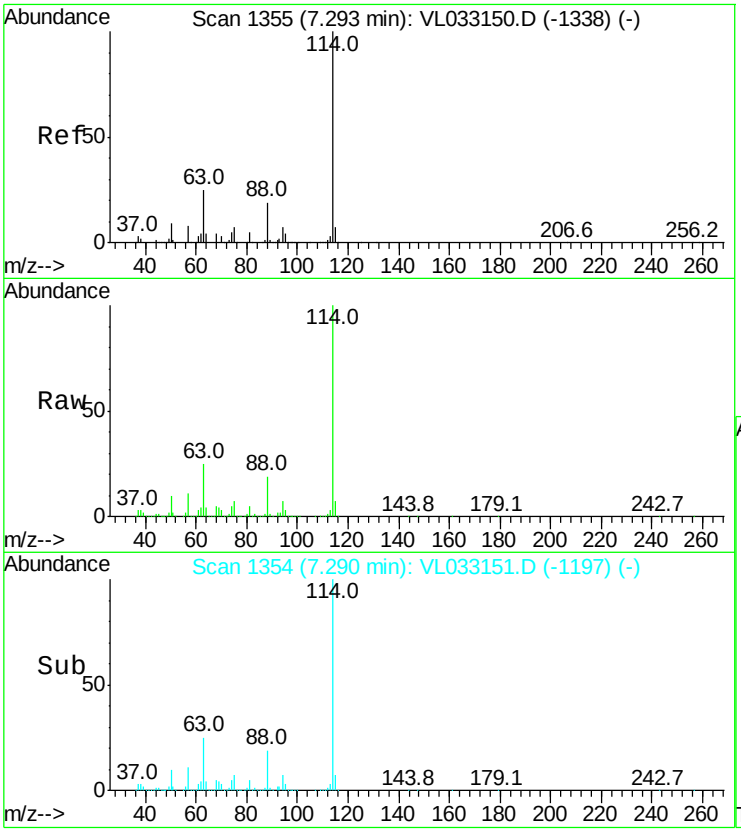


#32
1,1,1-Trichloroethane
Concen: 2.256 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 97 Resp: 516289

Ion	Ratio	Lower	Upper
97	100		
99	64.4	65.1	97.7#
61	47.8	47.7	71.5



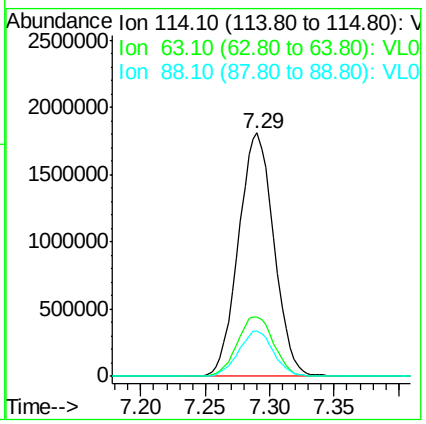


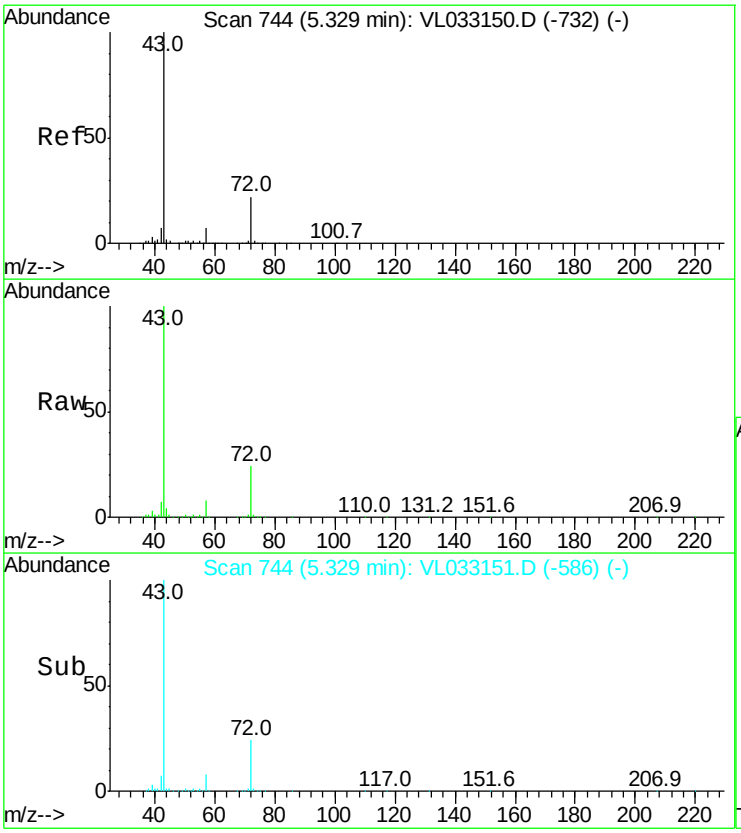
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 3460787

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.0	30.0
88	18.5	14.4	21.6

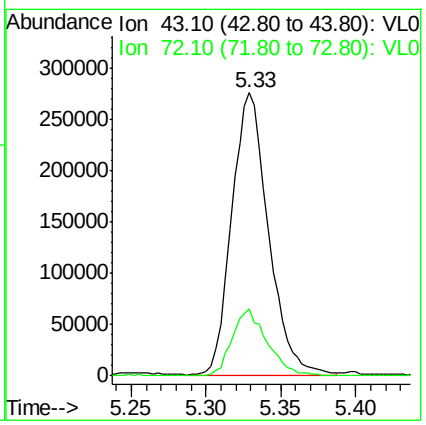


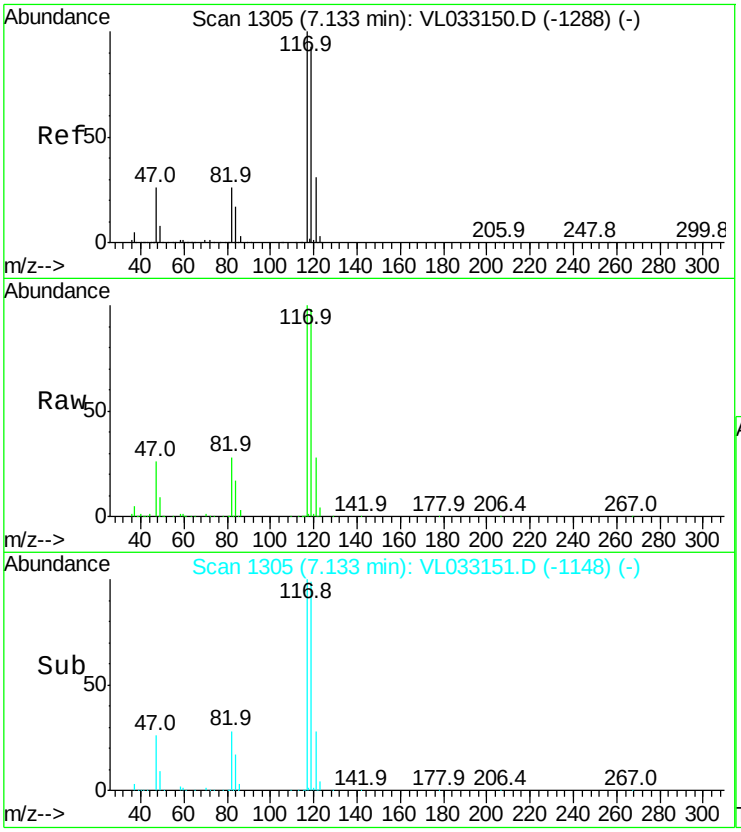


#34
2-Butanone
Concen: 1.770 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.01 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 43 Resp: 468290

Ion	Ratio	Lower	Upper
43	100		
72	22.9	17.9	26.9



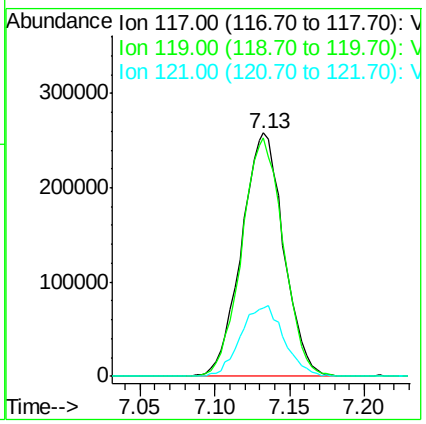


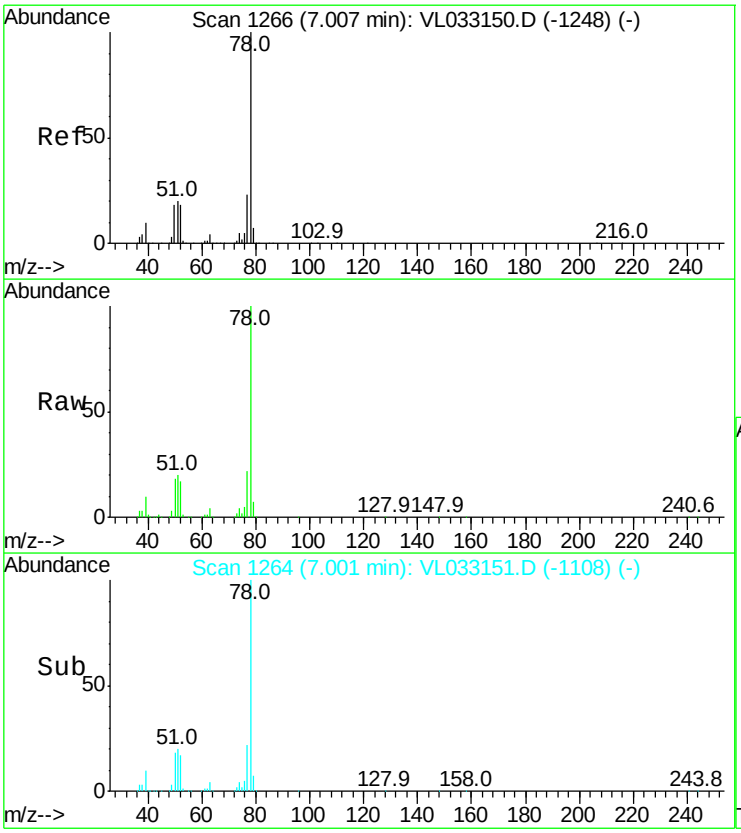
#35
Carbon Tetrachloride
Concen: 1.946 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 505451

Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.6	114.8
121	28.3	25.0	37.4

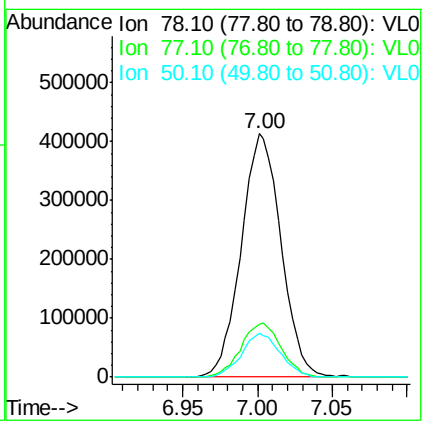


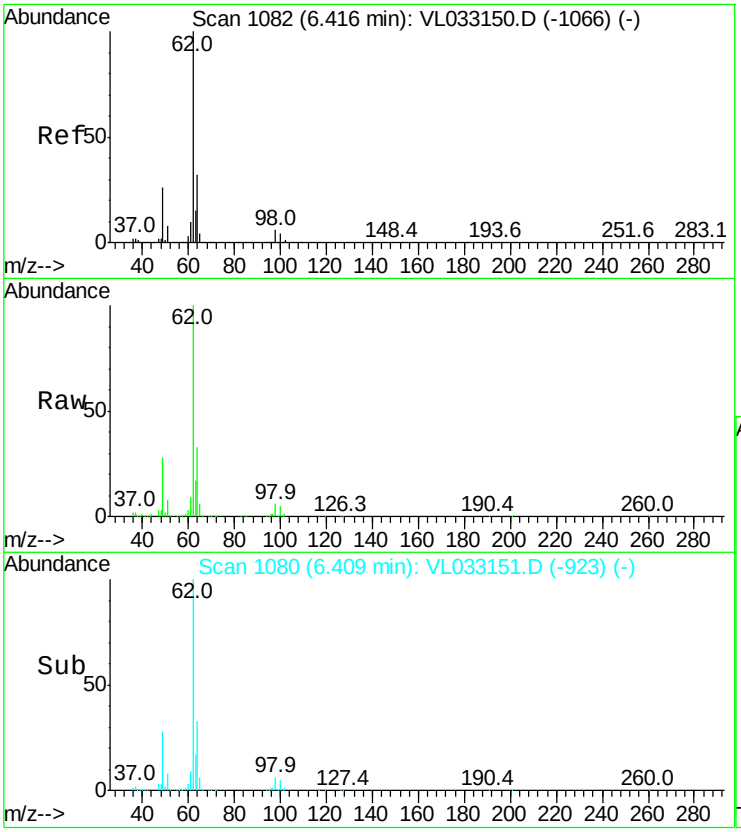


#36
Benzene
Concen: 1.969 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 78 Resp: 764159

Ion	Ratio	Lower	Upper
78	100		
77	21.6	17.8	26.6
50	17.8	14.7	22.1



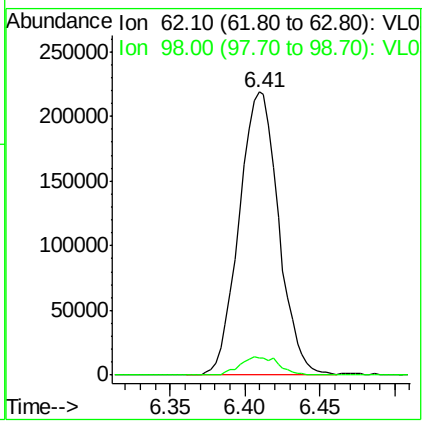


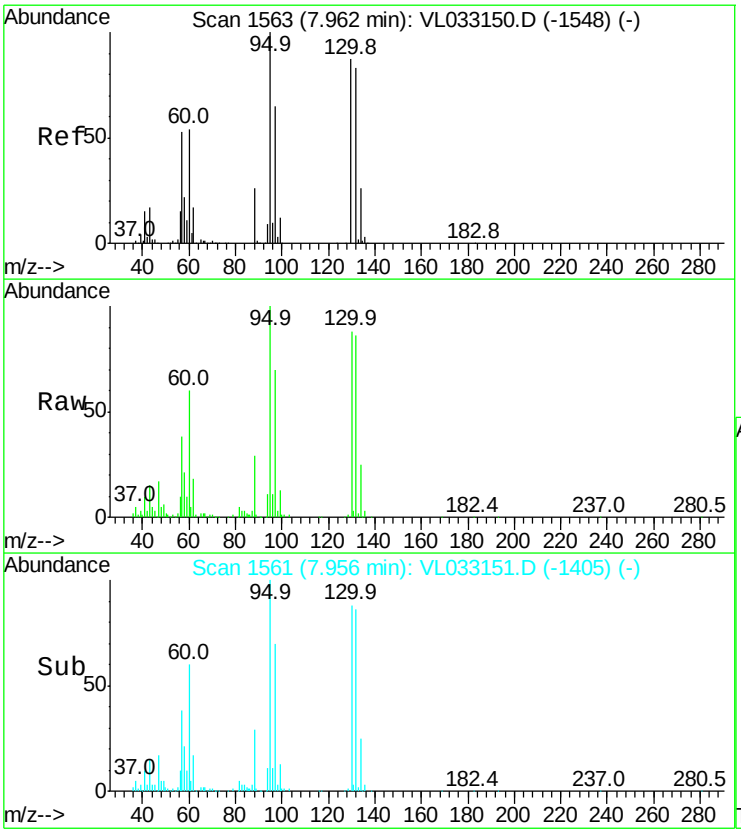
#37
1,2-Dichloroethane
Concen: 2.037 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 402568

Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.3	7.9

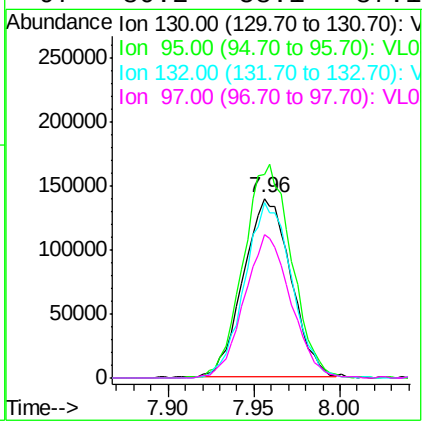


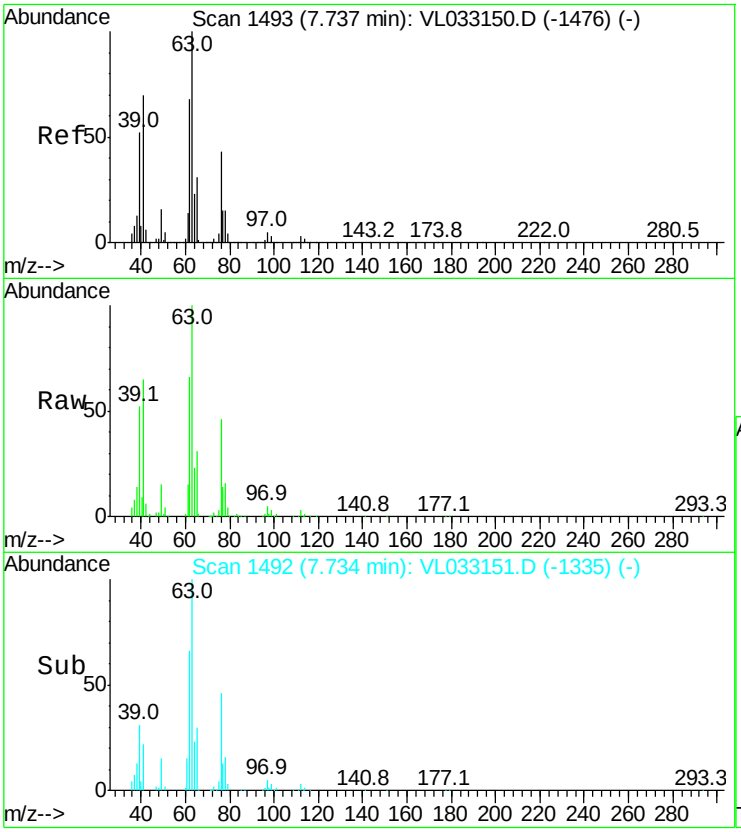


#38
Trichloroethene
Concen: 1.711 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion:130 Resp: 267342

Ion	Ratio	Lower	Upper
130	100		
95	113.9	91.6	137.4
132	98.0	79.0	118.4
97	80.2	58.1	87.1



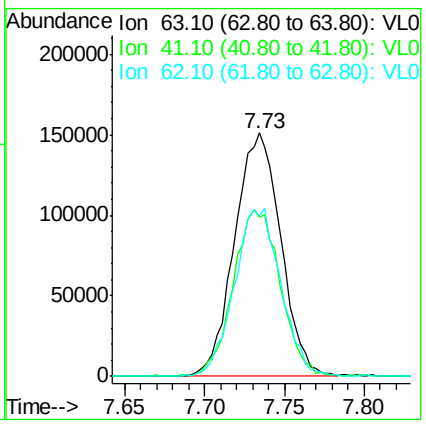


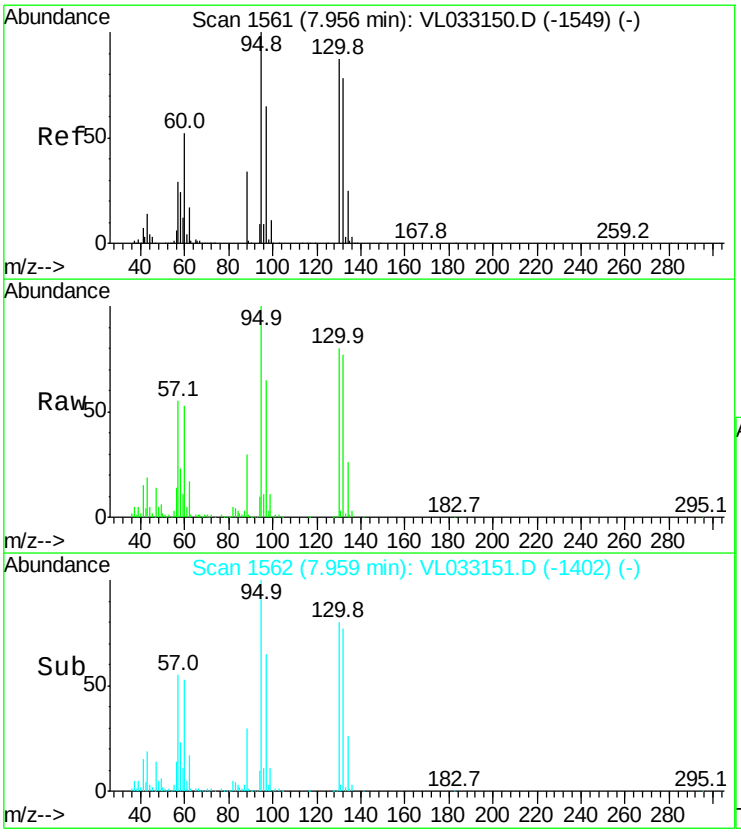
#39
1,2-Dichloropropane
Concen: 2.094 ppbv
RT: 7.73 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 63 Resp: 297914

Ion	Ratio	Lower	Upper
63	100		
41	64.7	53.2	79.8
62	65.0	54.4	81.6

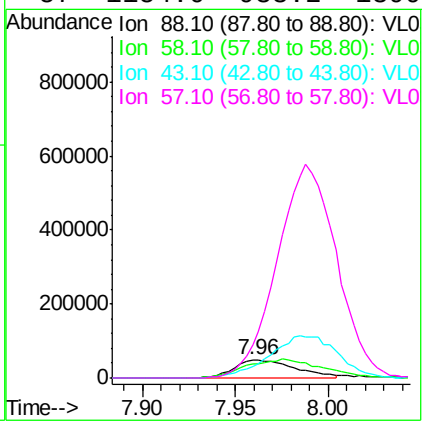


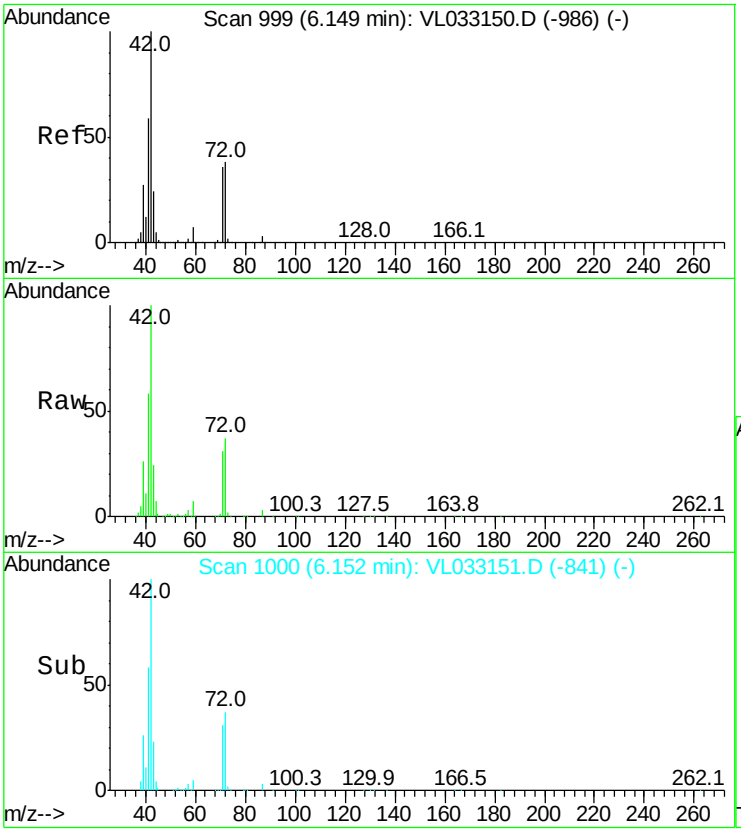


#40
1,4-Dioxane
Concen: 2.254 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 88 Resp: 112883

Ion	Ratio	Lower	Upper
88	100		
58	132.2	103.4	155.2
43	262.6	210.8	316.2
57	1154.0	933.2	1399.8



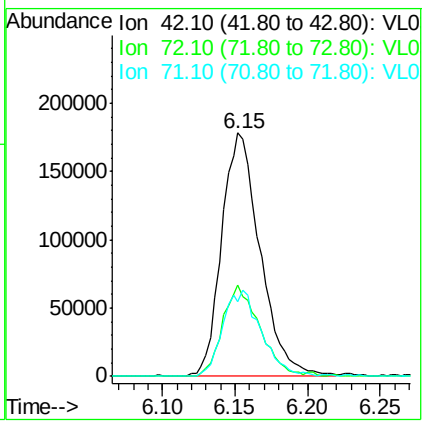


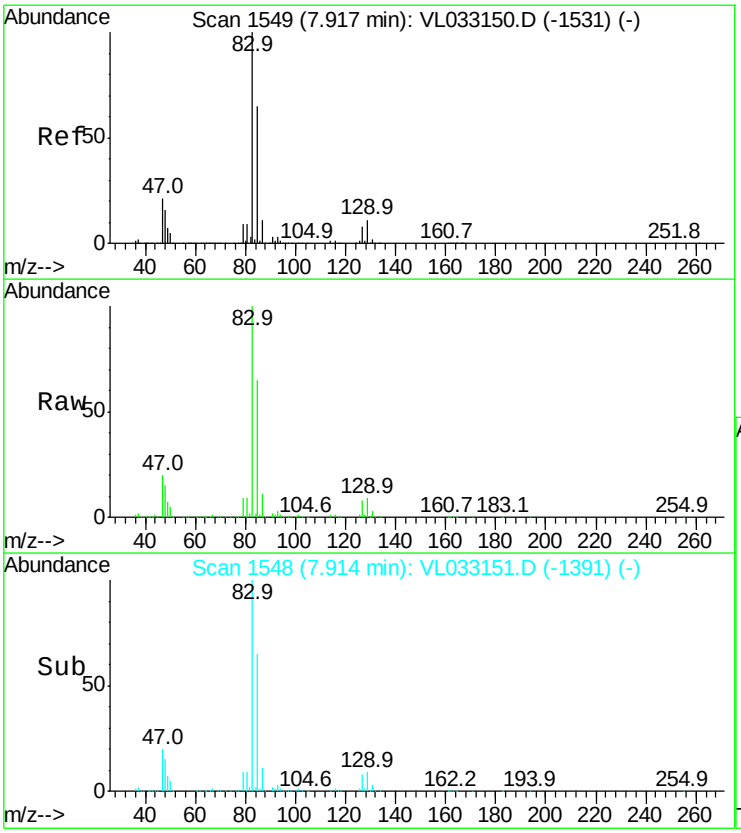
#41
Tetrahydrofuran
Concen: 2.056 ppbv
RT: 6.15 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 42 Resp: 326741

Ion	Ratio	Lower	Upper
42	100		
72	36.9	30.2	45.4
71	36.1	28.8	43.2

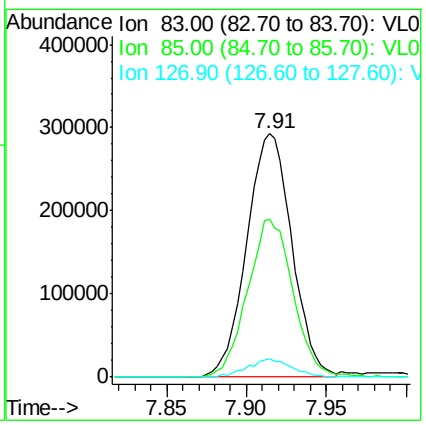


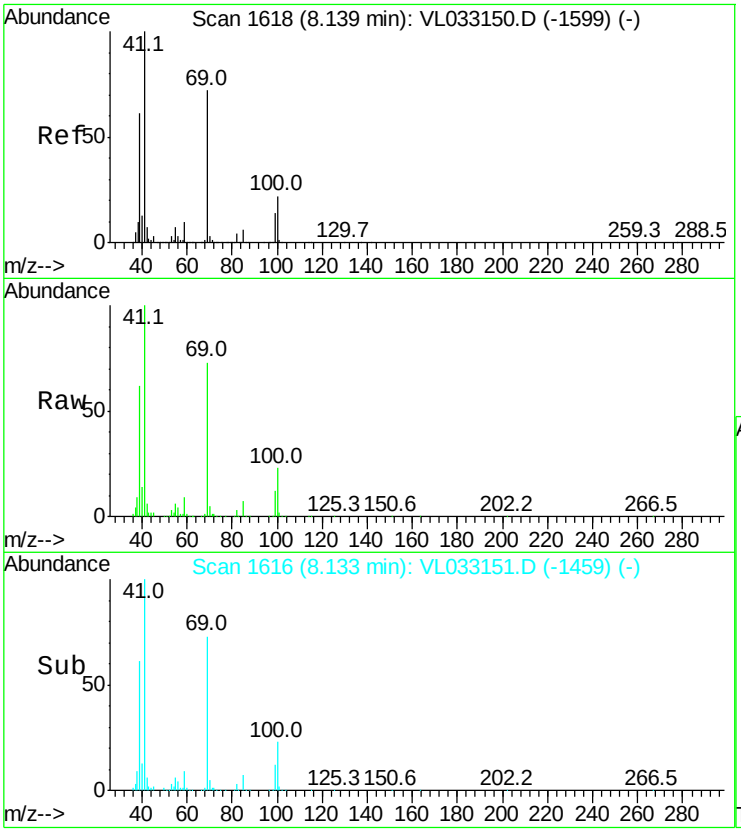


#42
Bromodichloromethane
Concen: 2.018 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 83 Resp: 568437

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.3	76.9
127	7.7	6.1	9.1



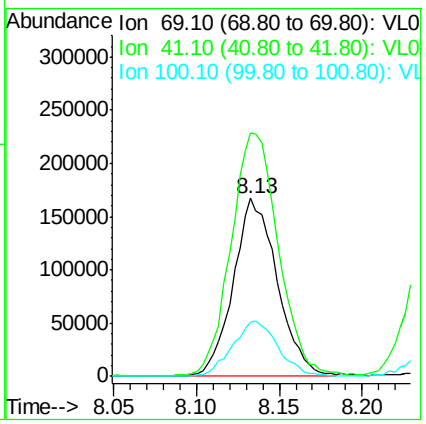


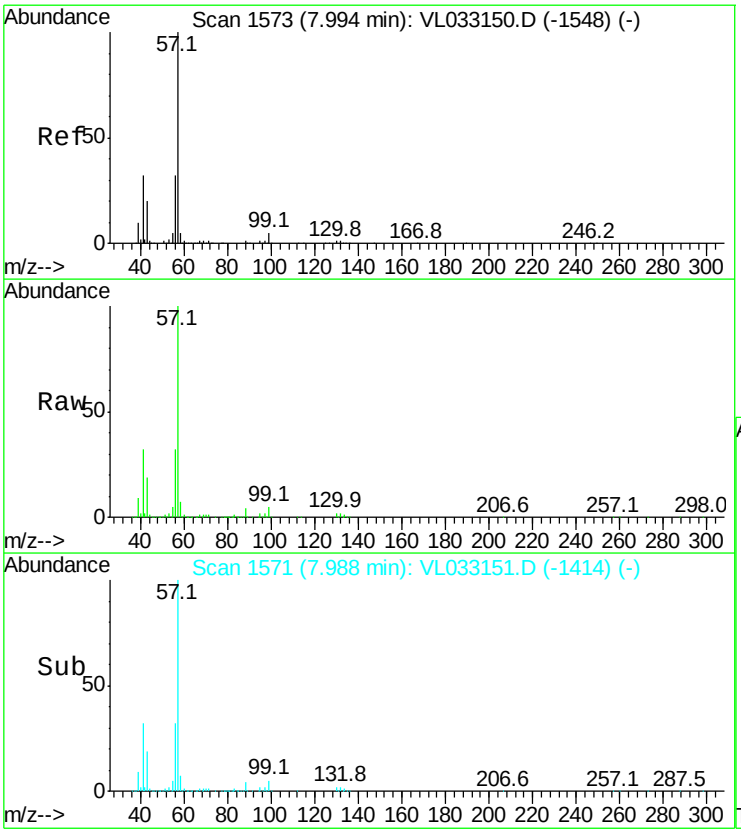
#43
Methyl Methacrylate
Concen: 2.266 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 69 Resp: 308088

Ion	Ratio	Lower	Upper
69	100		
41	147.5	118.4	177.6
100	32.4	26.5	39.7

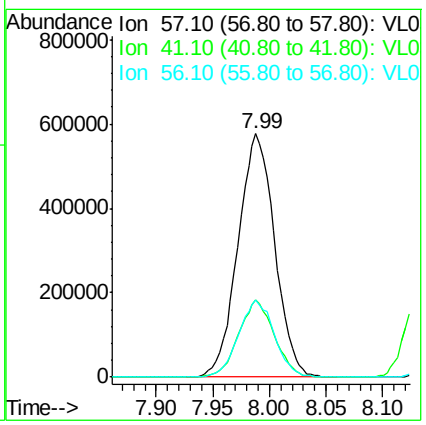


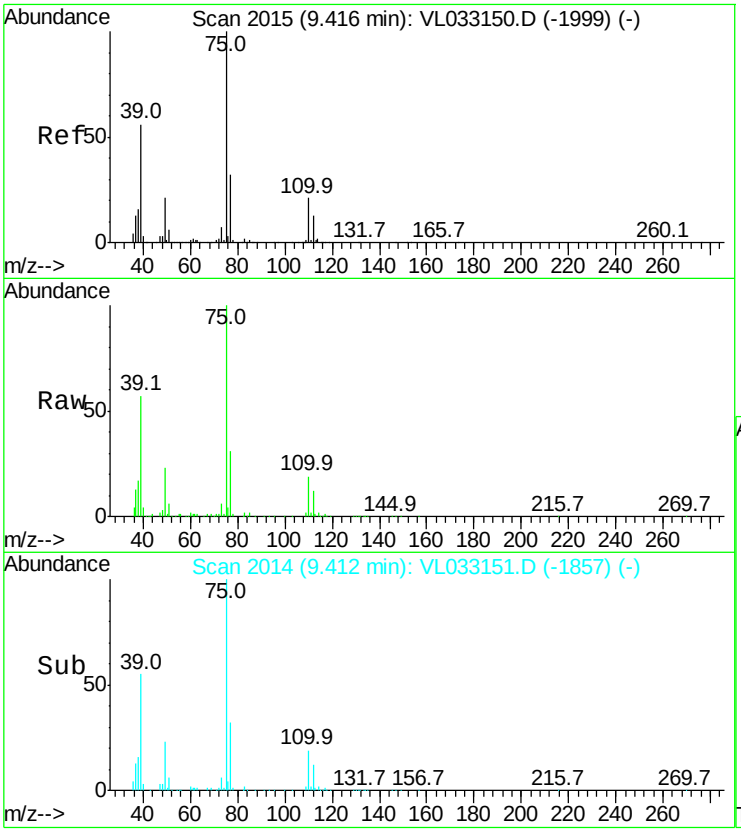


#44
2,2,4-Trimethylpentane
Concen: 2.075 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 57 Resp: 1299596

Ion	Ratio	Lower	Upper
57	100		
41	30.9	24.6	36.8
56	31.0	24.9	37.3



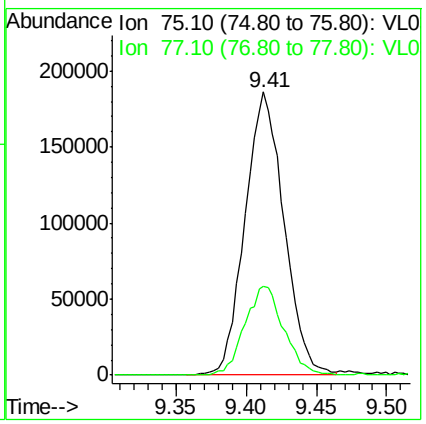


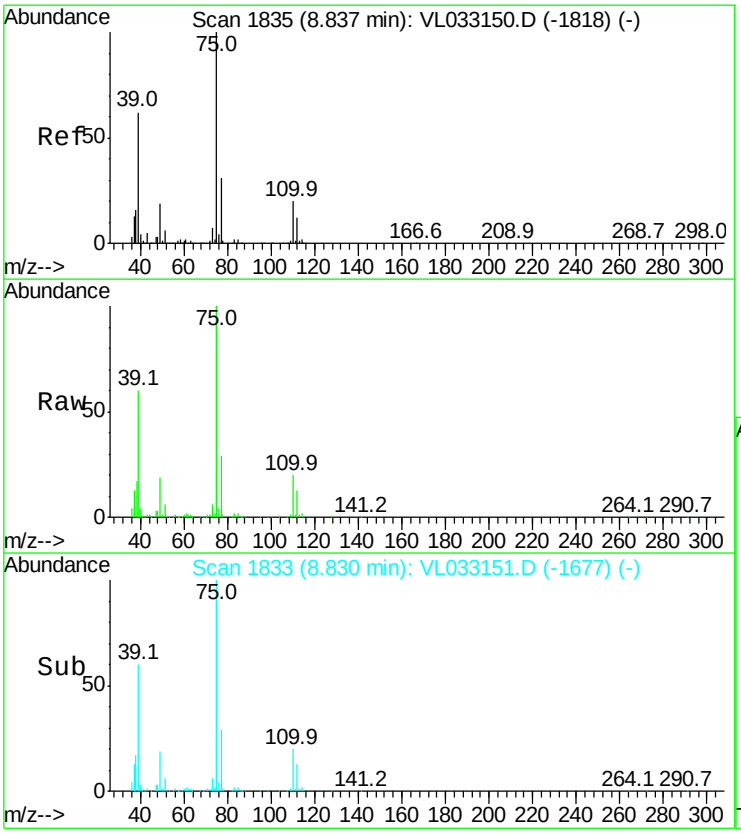
#45
t-1,3-Dichloropropene
Concen: 2.193 ppbv
RT: 9.41 min Scan# 2014
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 360310

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.4	36.6

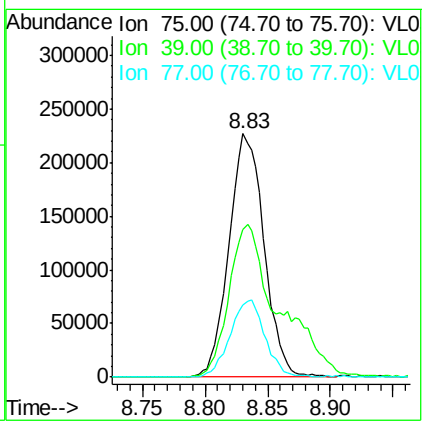


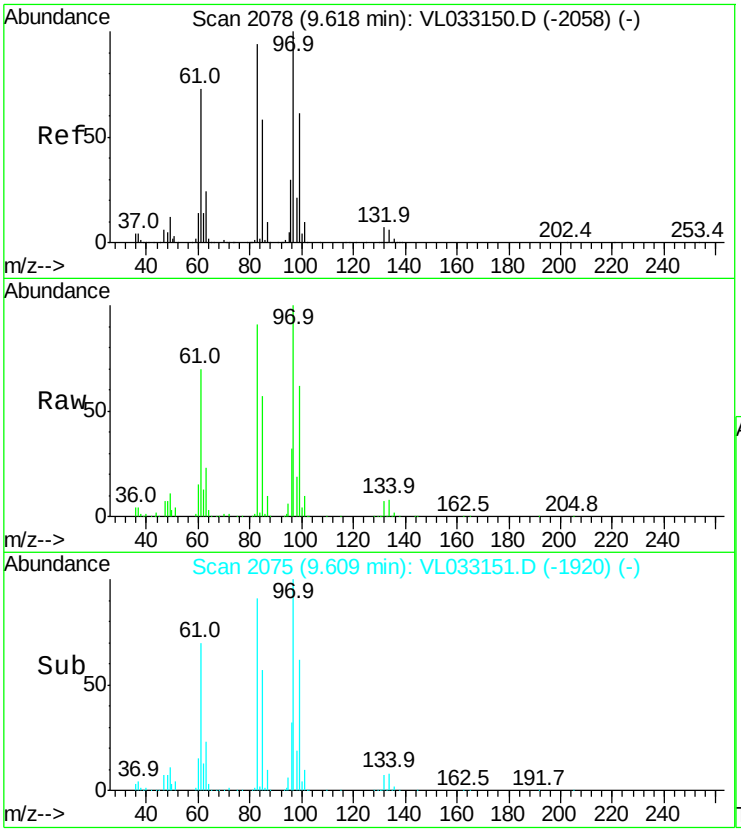


#46
cis-1,3-Dichloropropene
Concen: 2.235 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 75 Resp: 440191

Ion	Ratio	Lower	Upper
75	100		
39	60.2	51.4	77.2
77	29.4	25.4	38.0



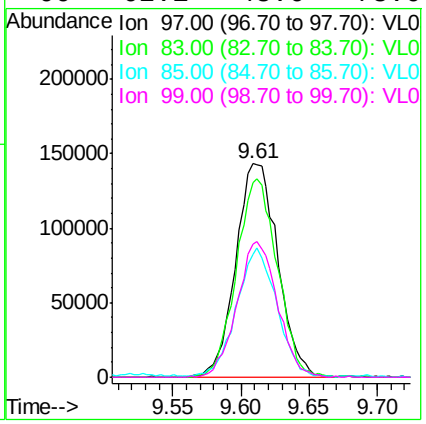


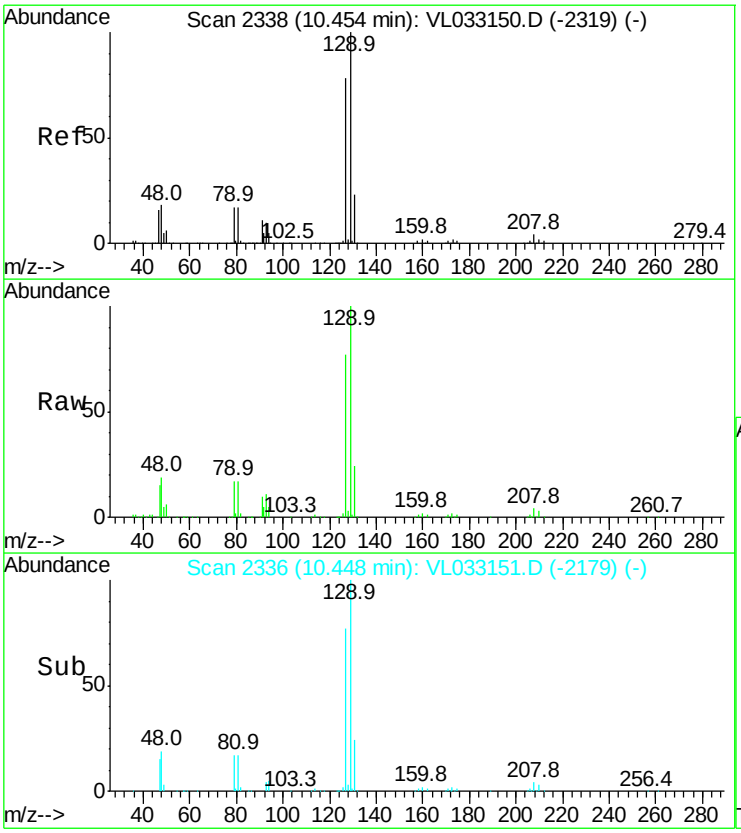
#47
1,1,2-Trichloroethane
Concen: 2.355 ppbv
RT: 9.61 min Scan# 2075
Delta R.T. -0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 97 Resp: 305588

Ion	Ratio	Lower	Upper
97	100		
83	90.9	65.8	98.8
85	57.3	44.7	67.1
99	62.1	48.6	73.0

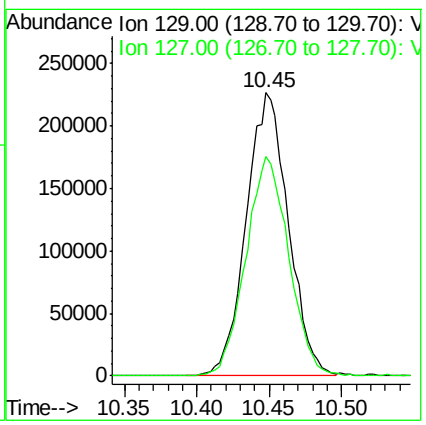


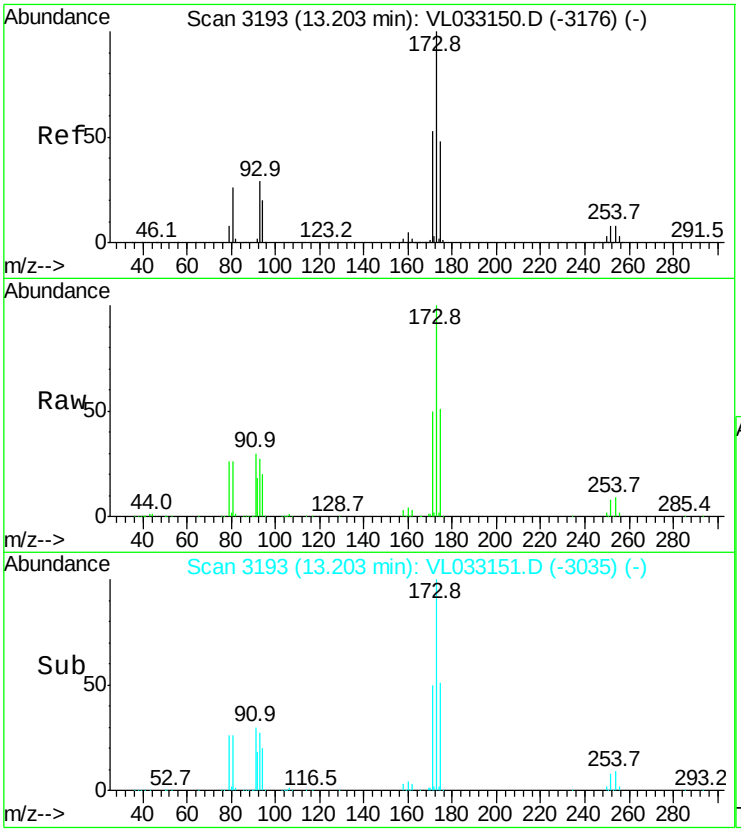


#48
Dibromochloromethane
Concen: 2.115 ppbv
RT: 10.45 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion:129 Resp: 457480

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.3	117.9



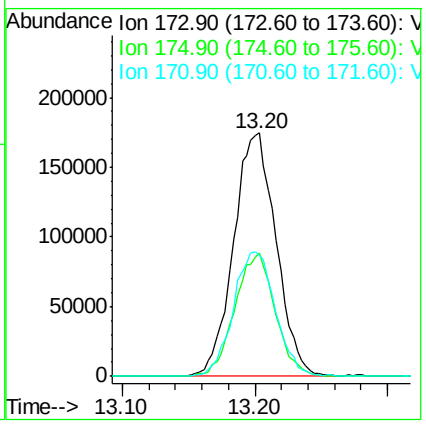


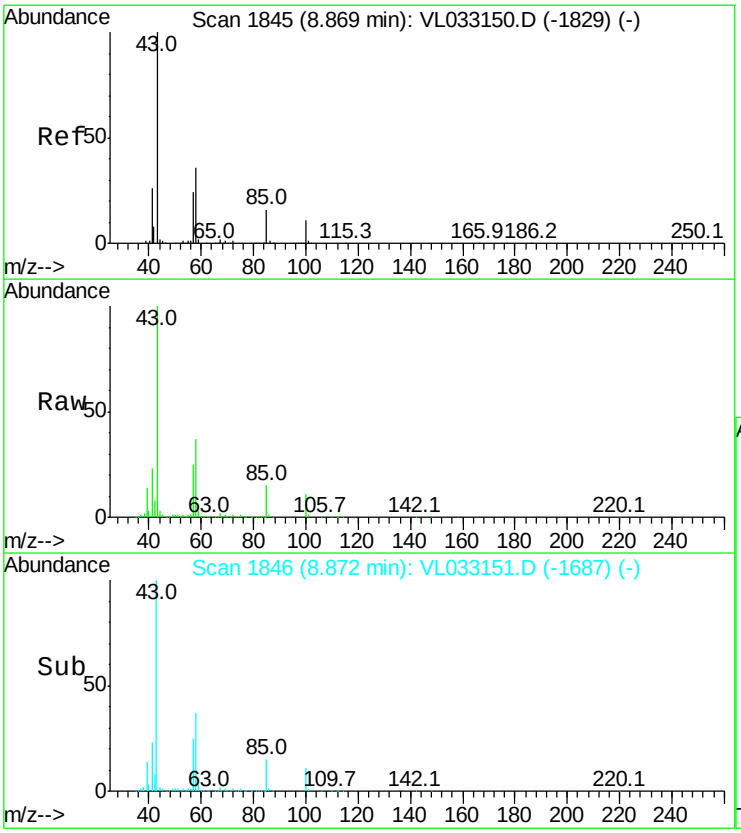
#49
Bromoform
Concen: 2.164 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. 0.01 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:173 Resp: 388233

Ion	Ratio	Lower	Upper
173	100		
175	48.0	39.3	58.9
171	51.0	41.8	62.6

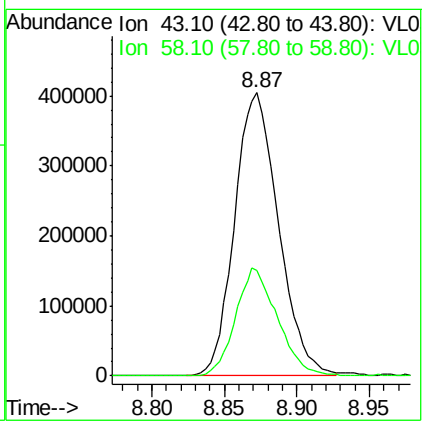


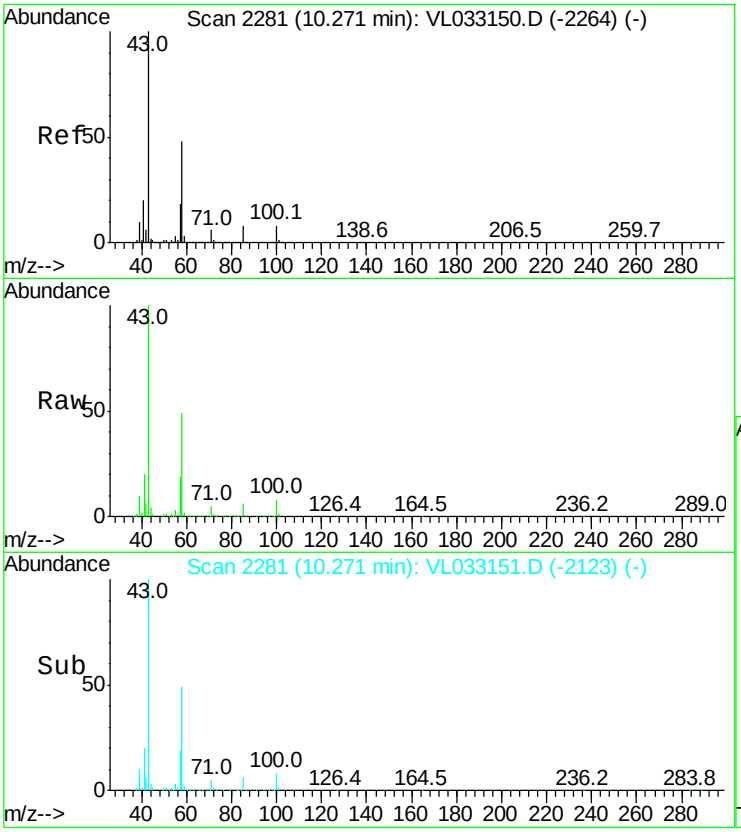


#50
4-Methyl-2-Pentanone
Concen: 2.471 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. 0.01 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 43 Resp: 849082

Ion	Ratio	Lower	Upper
43	100		
58	36.9	28.7	43.1



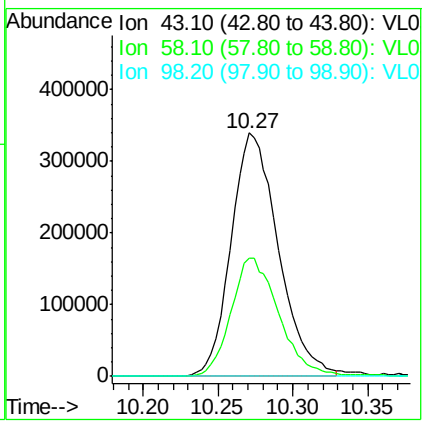


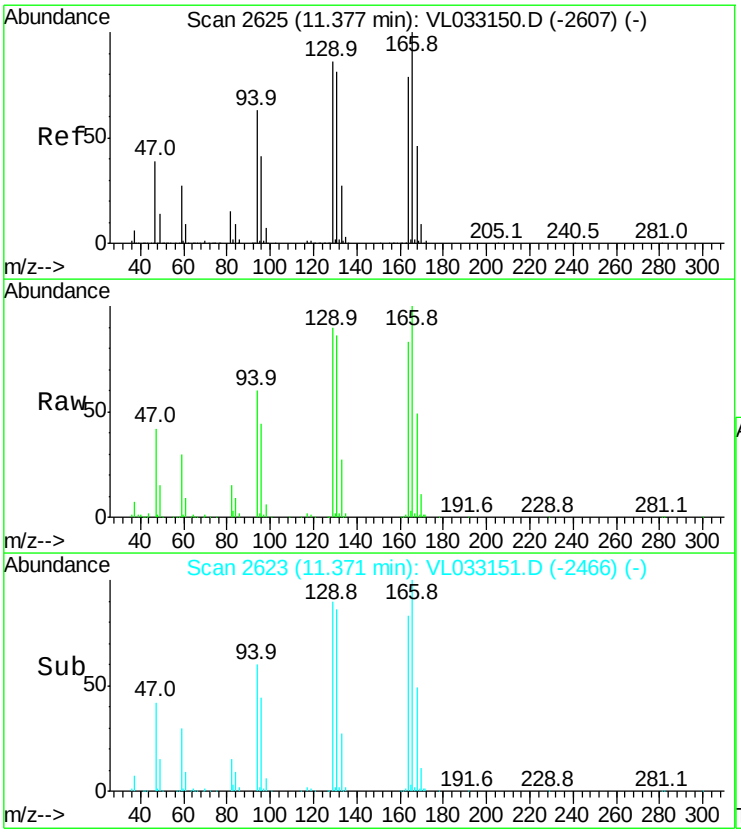
#51
2-Hexanone
Concen: 2.420 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. 0.01 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 740708

Ion	Ratio	Lower	Upper
43	100		
58	49.9	39.4	59.2
98	0.2	0.1	0.1#

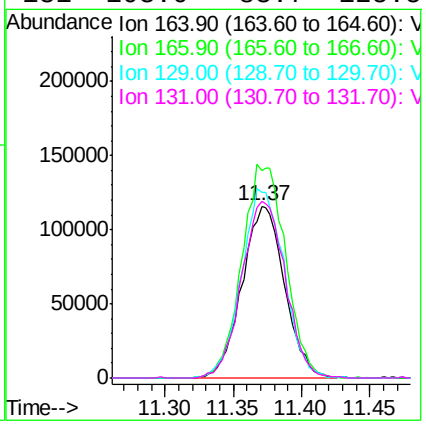


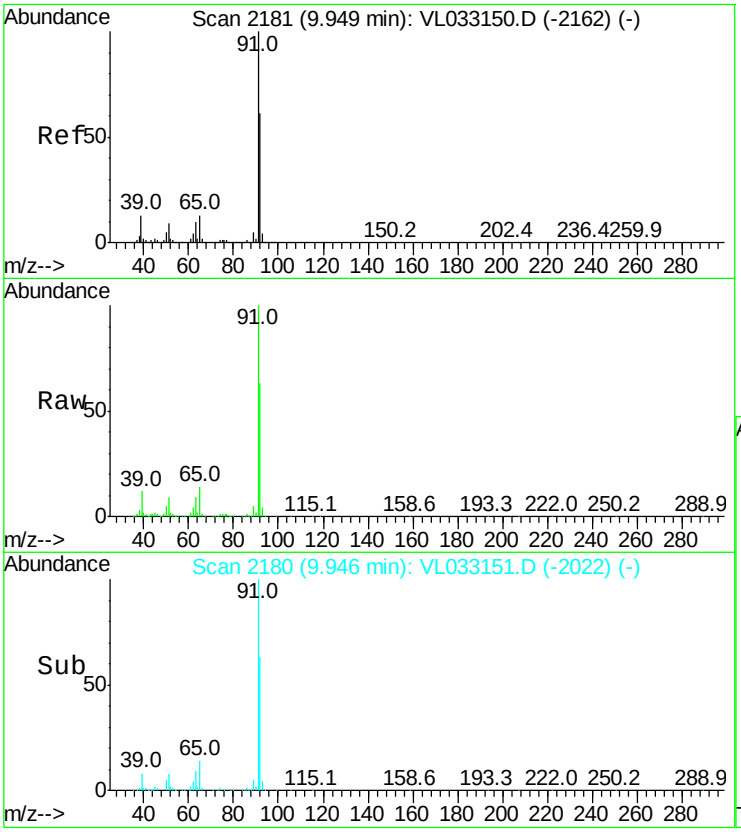


#52
Tetrachloroethene
Concen: 1.694 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion:164 Resp: 249356

Ion	Ratio	Lower	Upper
164	100		
166	120.5	98.6	148.0
129	108.4	86.3	129.5
131	103.0	83.7	125.5



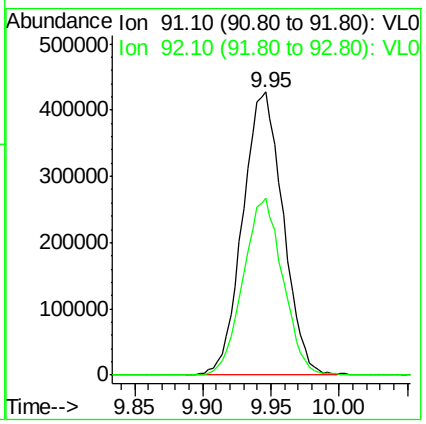


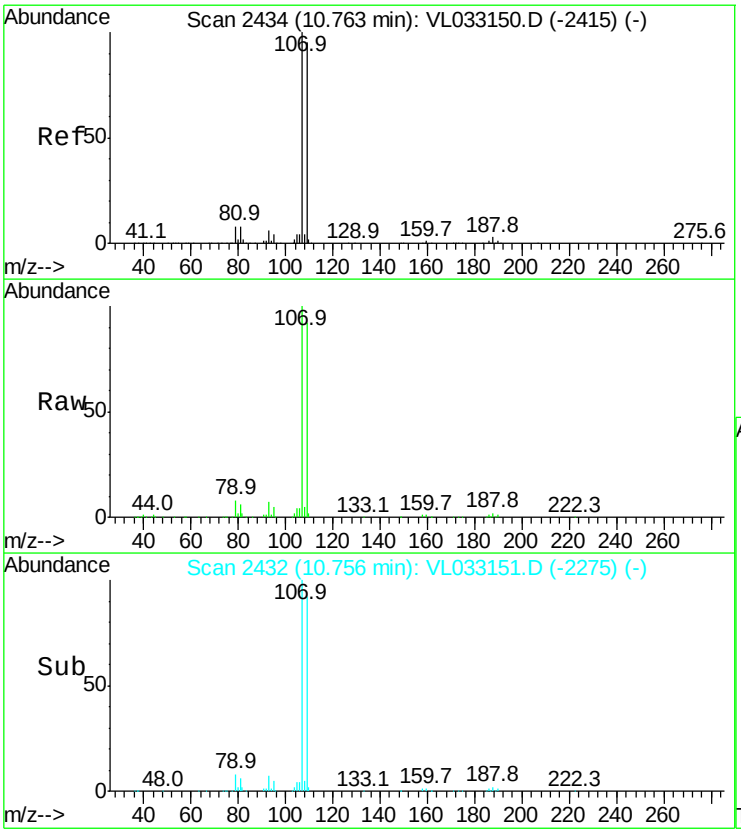
#53
Toluene
Concen: 1.976 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. 0.01 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 878304

Ion	Ratio	Lower	Upper
91	100		
92	61.5	48.9	73.3

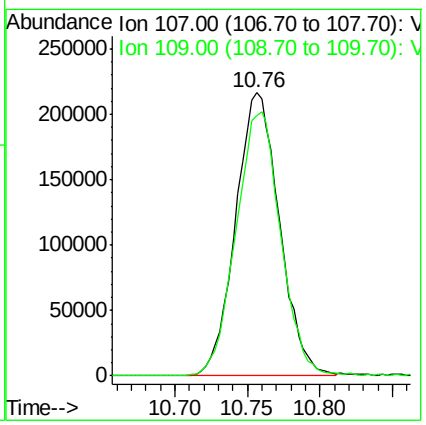


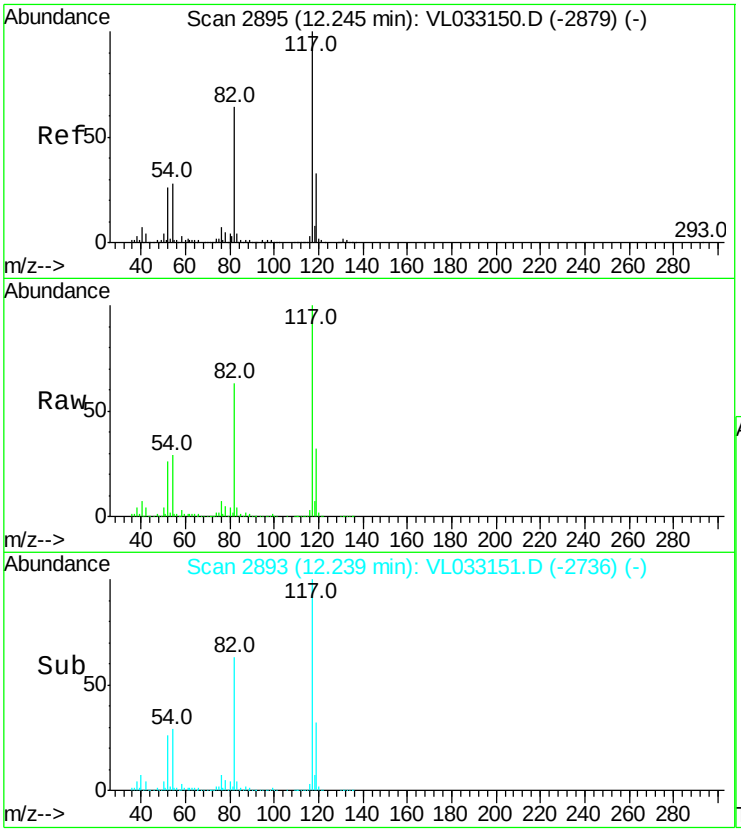


#54
1,2-Dibromoethane
Concen: 1.867 ppbv
RT: 10.76 min Scan# 2432
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion:107 Resp: 455717

Ion	Ratio	Lower	Upper
107	100		
109	91.5	74.7	112.1



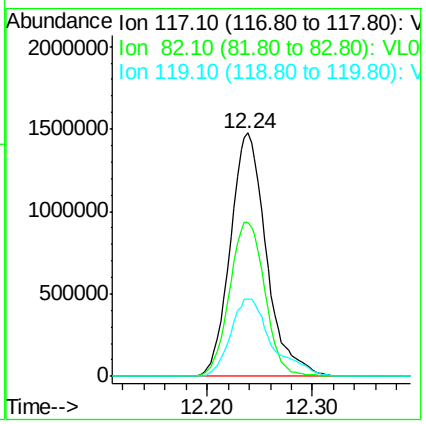


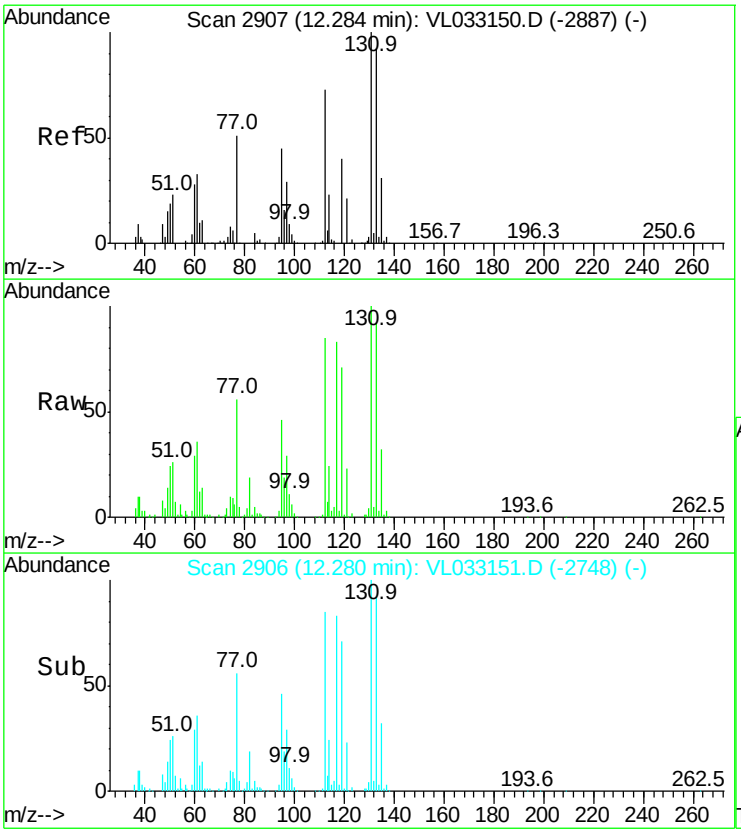
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 3497447

Ion	Ratio	Lower	Upper
117	100		
82	62.2	49.3	73.9
119	36.5	27.1	40.7

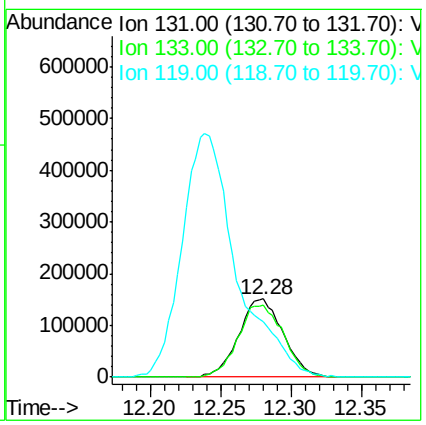


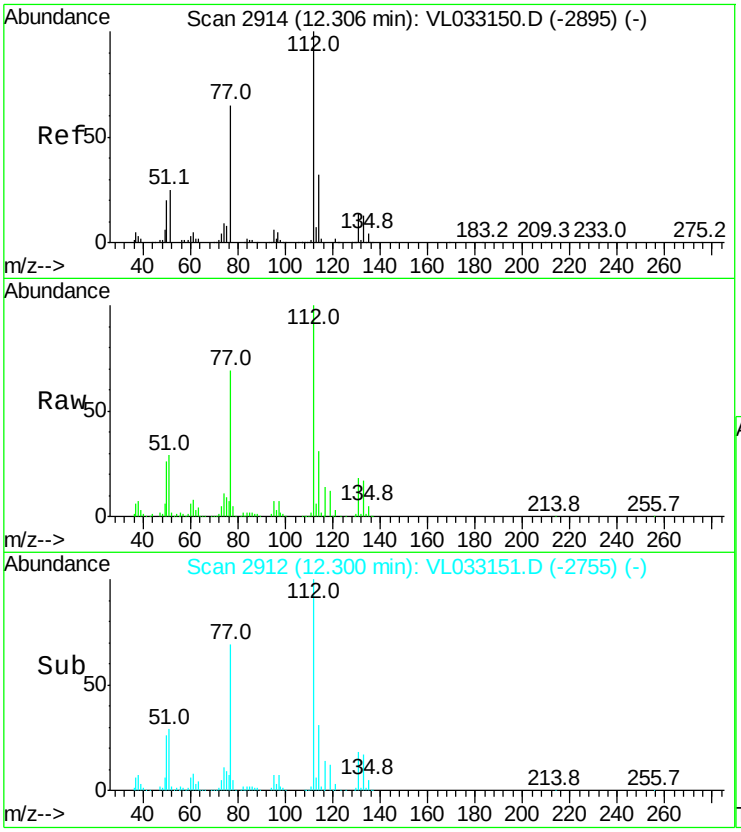


#56
1,1,1,2-Tetrachloroethane
Concen: 2.134 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. 0.01 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion:131 Resp: 332036

Ion	Ratio	Lower	Upper
131	100		
133	95.2	76.2	114.4
119	384.5	46.9	70.3#



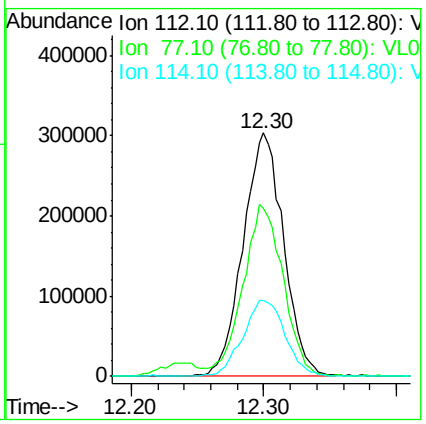


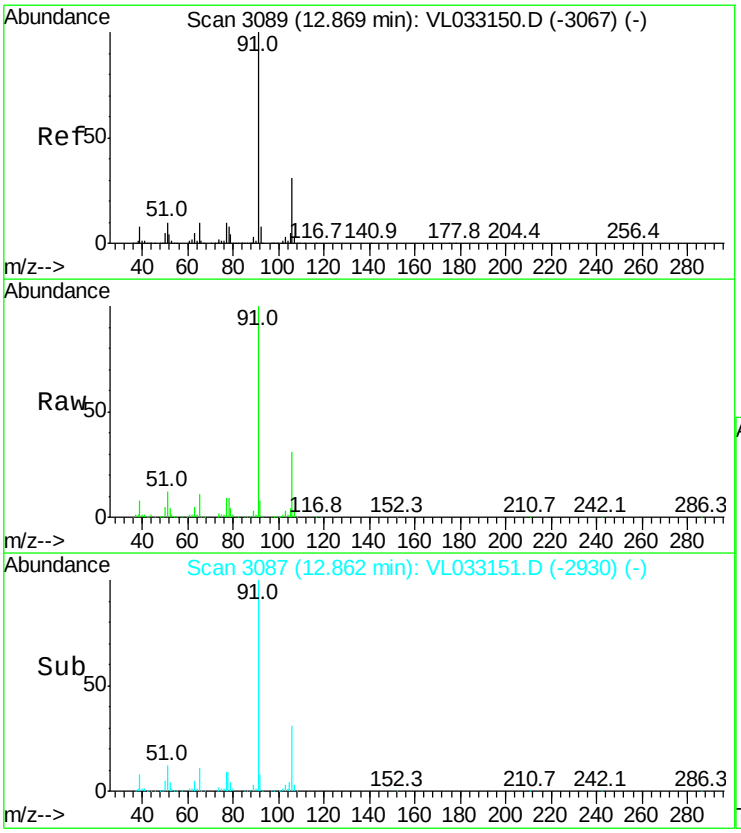
#57
Chlorobenzene
Concen: 2.087 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:112 Resp: 642305

Ion	Ratio	Lower	Upper
112	100		
77	68.6	52.8	79.2
114	31.0	29.7	36.3

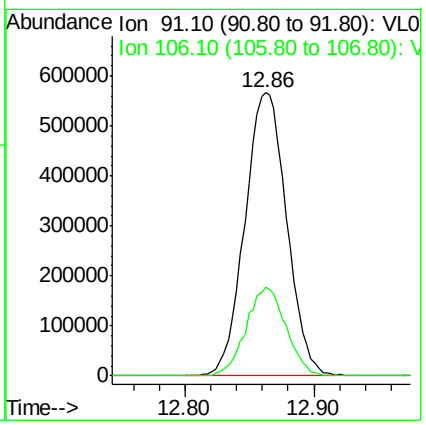


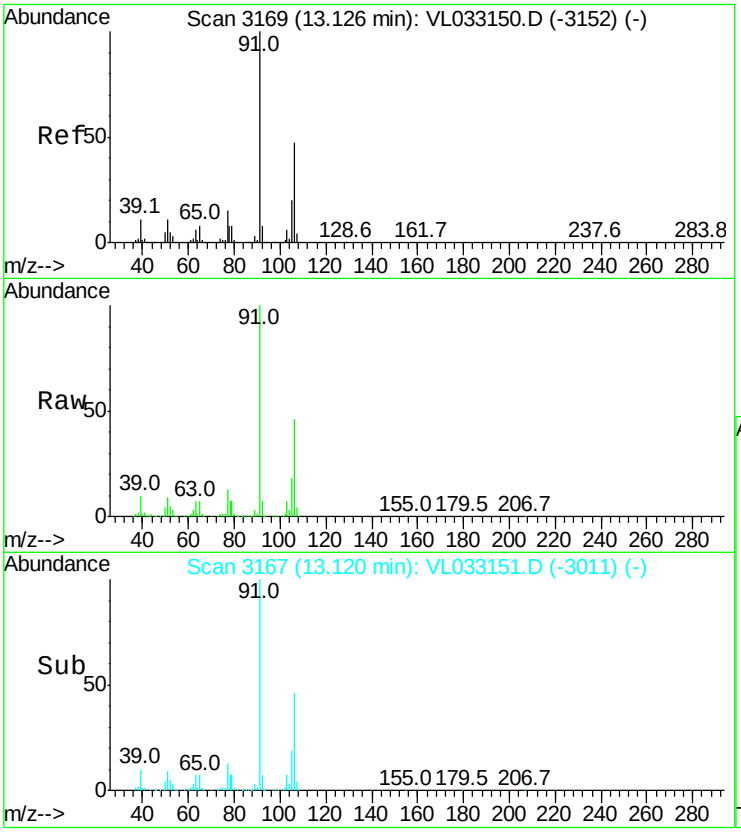


#58
Ethyl Benzene
Concen: 2.226 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 91 Resp: 1276987

Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.7	37.1



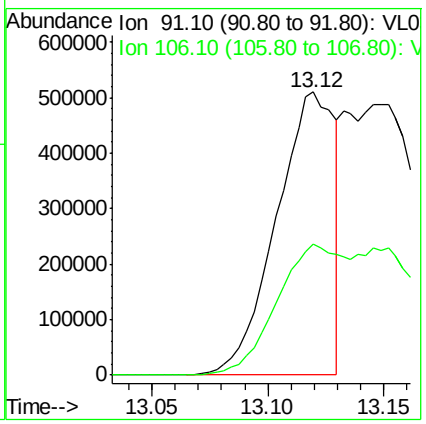


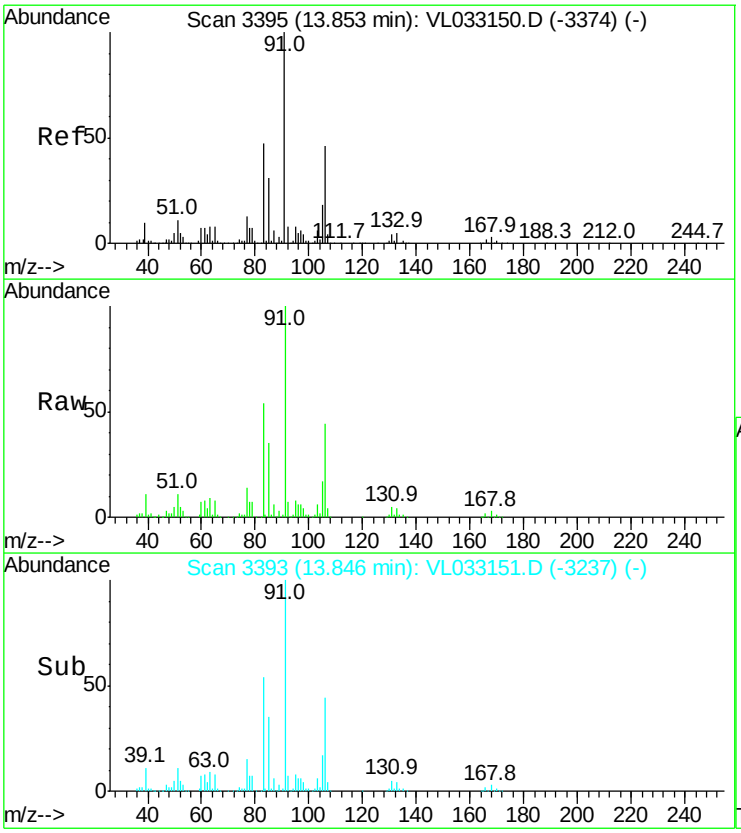
#59
m/p-Xylene
Concen: 1.899 ppbv
RT: 13.12 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 888336

Ion	Ratio	Lower	Upper
91	100		
106	103.8	37.6	56.4#

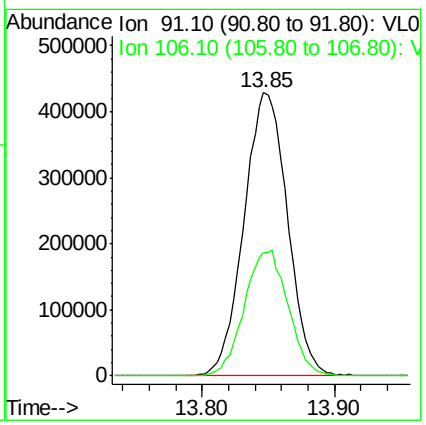


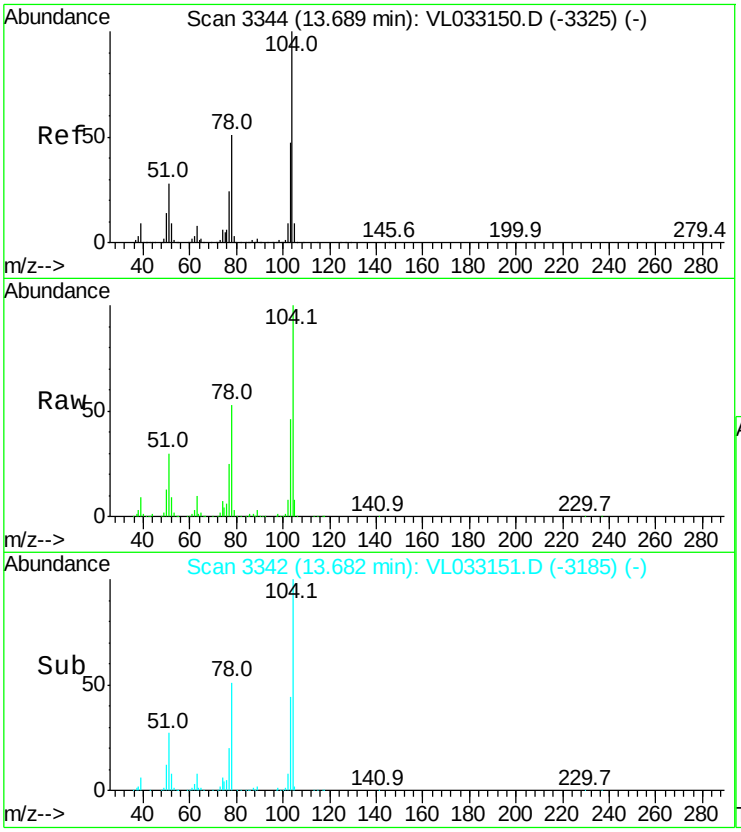


#60
o-Xylene
Concen: 2.157 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 91 Resp: 976159

Ion	Ratio	Lower	Upper
91	100		
106	44.8	23.2	69.5



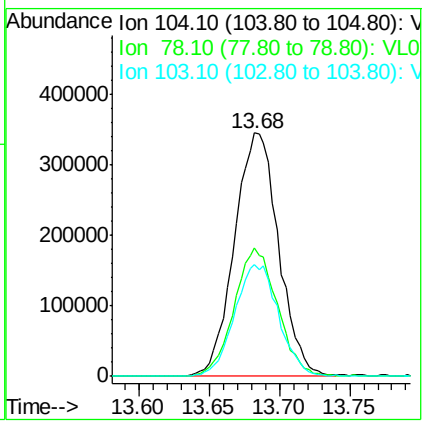


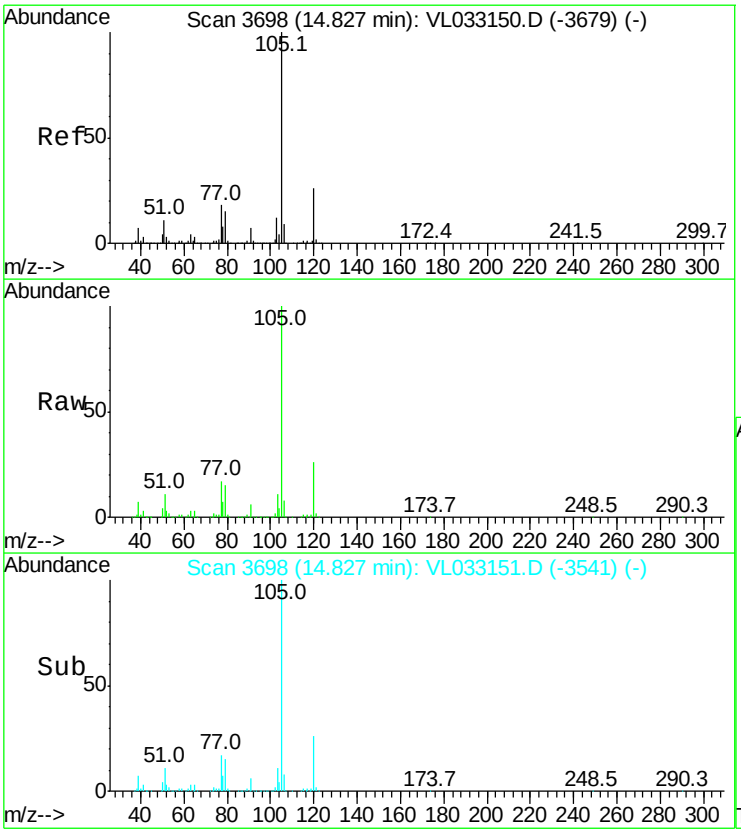
#61
Styrene
Concen: 2.177 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:104 Resp: 755586

Ion	Ratio	Lower	Upper
104	100		
78	51.8	39.7	59.5
103	46.1	37.7	56.5

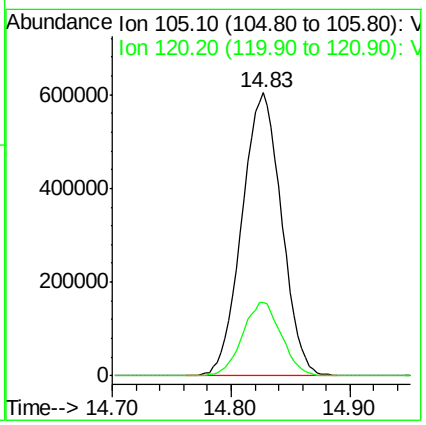


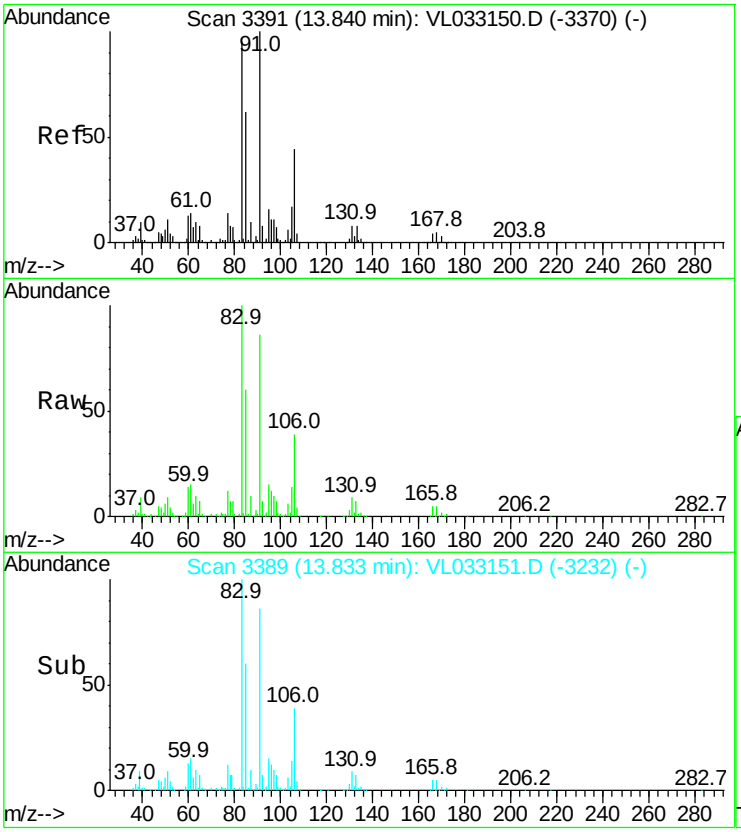


#62
Isopropylbenzene
Concen: 2.164 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion:105 Resp: 1392142

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.8	31.2



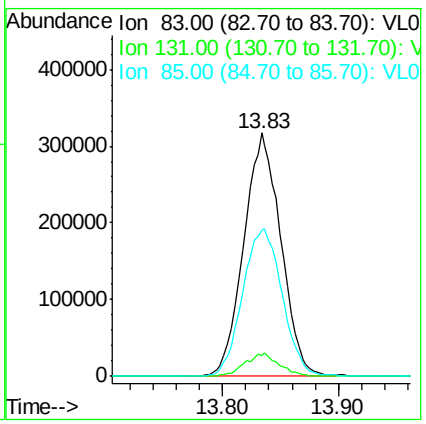


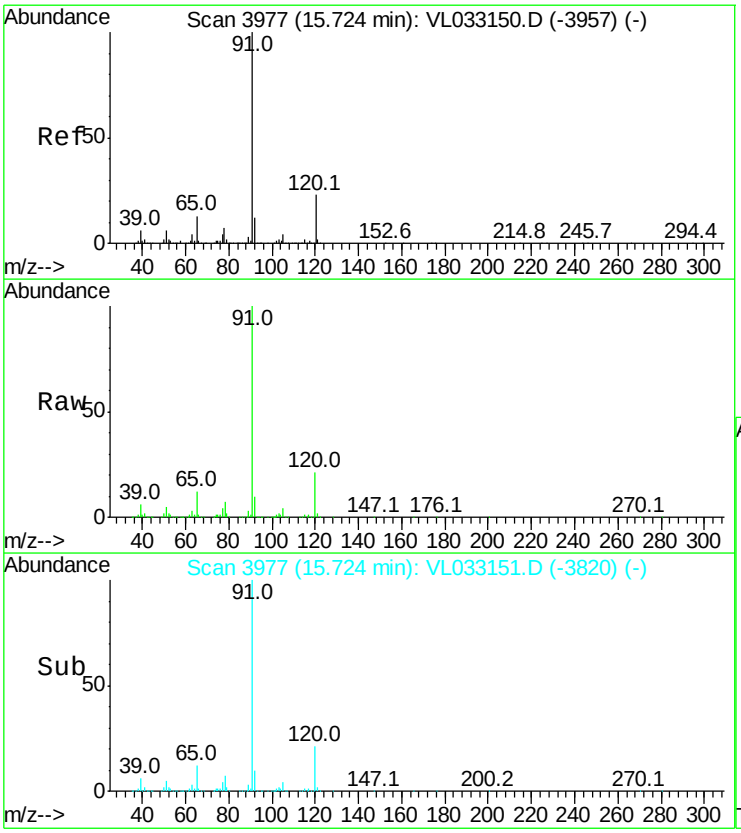
#63
1,1,2,2-Tetrachloroethane
Concen: 2.066 ppbv
RT: 13.83 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 83 Resp: 705502

Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.5	13.7
85	64.7	32.5	97.4

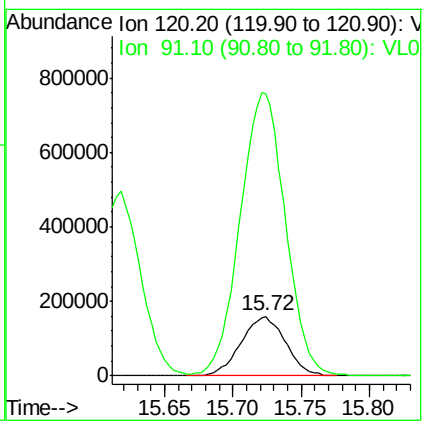


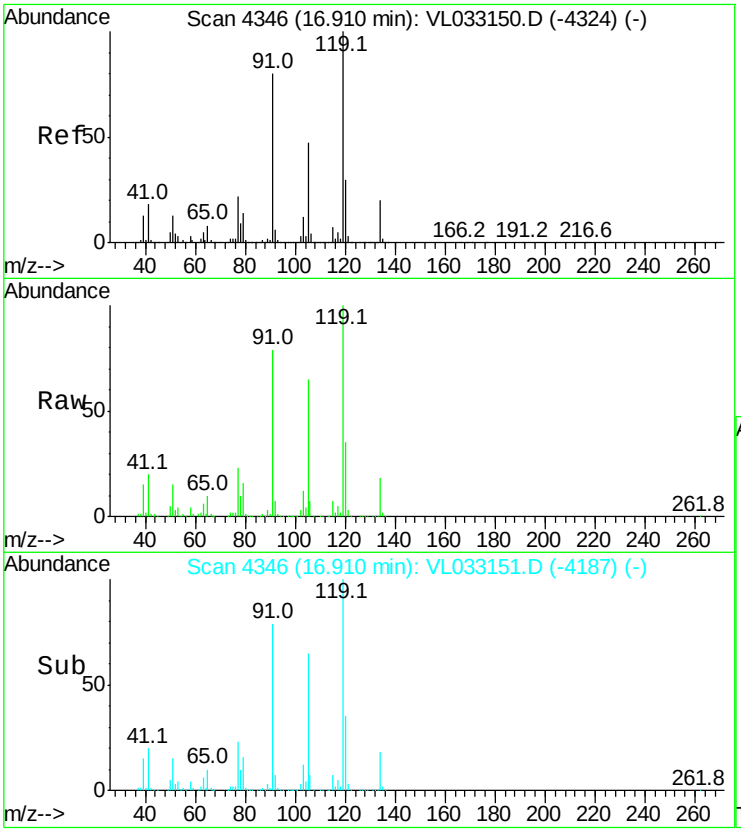


#64
n-propylbenzene
Concen: 2.200 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion:120 Resp: 362752

Ion	Ratio	Lower	Upper
120	100		
91	482.8	370.2	555.2



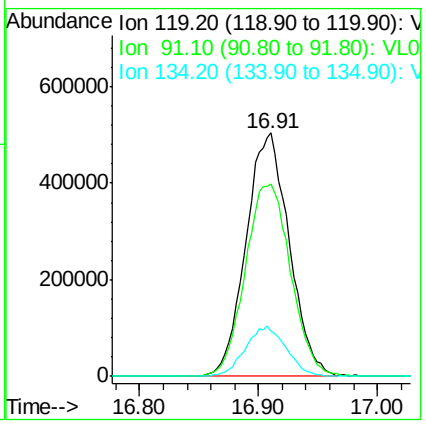


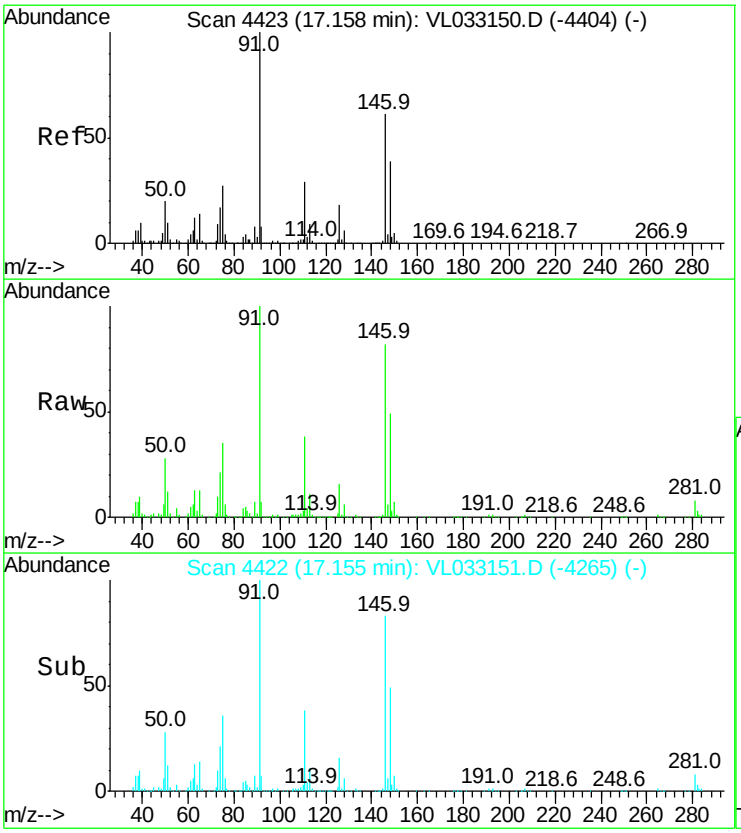
#65
tert-Butylbenzene
Concen: 2.335 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. 0.01 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 1264204

Ion	Ratio	Lower	Upper
119	100		
91	83.3	63.0	94.6
134	19.5	15.5	23.3

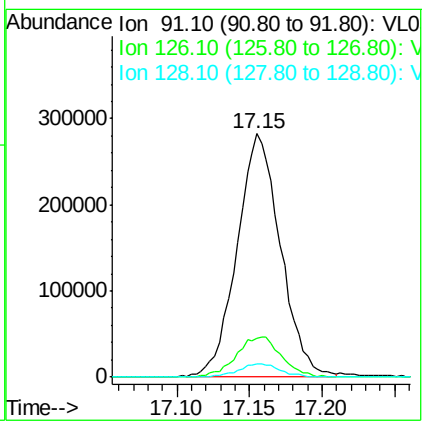


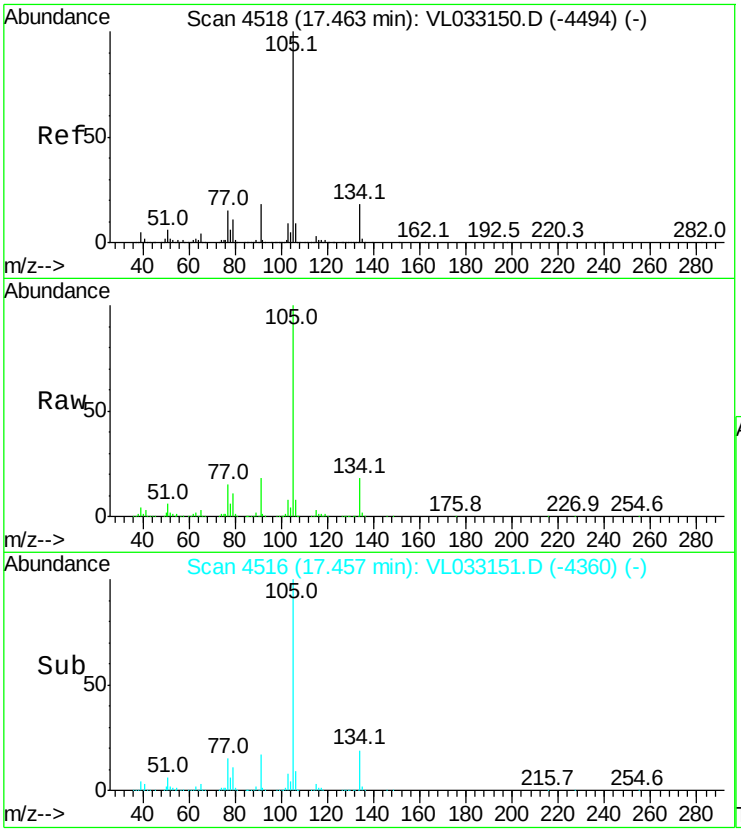


#66
Benzyl Chloride
Concen: 2.399 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 91 Resp: 581906

Ion	Ratio	Lower	Upper
91	100		
126	17.6	14.9	22.3
128	5.6	4.7	7.1



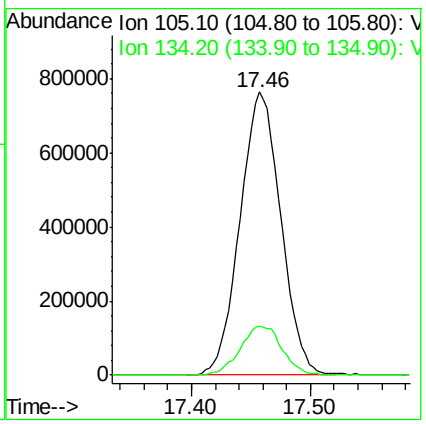


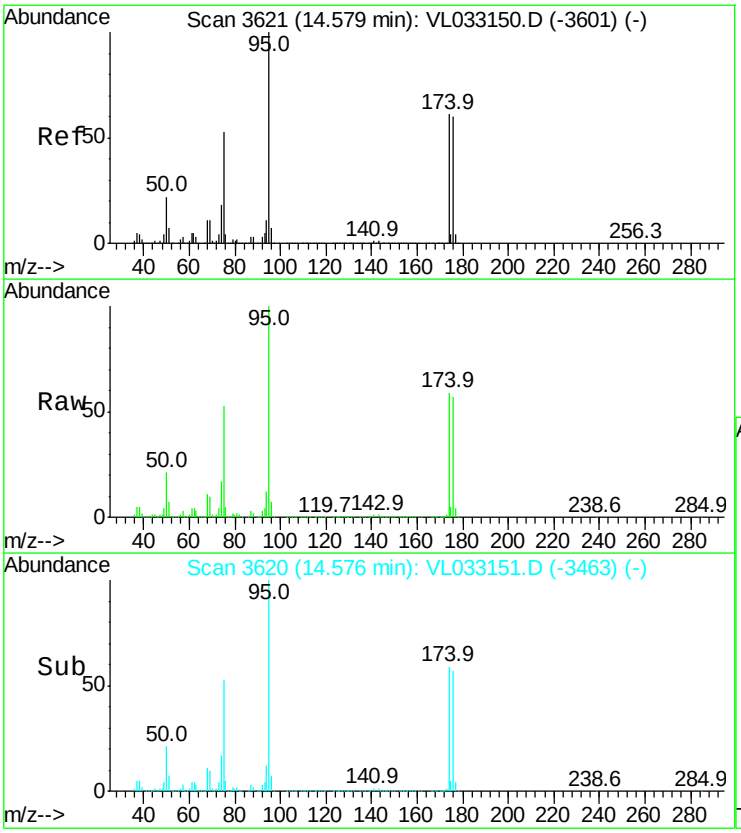
#67
sec-Butylbenzene
Concen: 2.353 ppbv
RT: 17.46 min Scan# 4516
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:105 Resp: 1809528

Ion	Ratio	Lower	Upper
105	100		
134	17.8	14.4	21.6

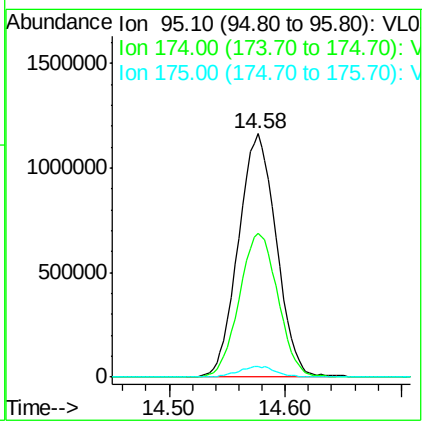


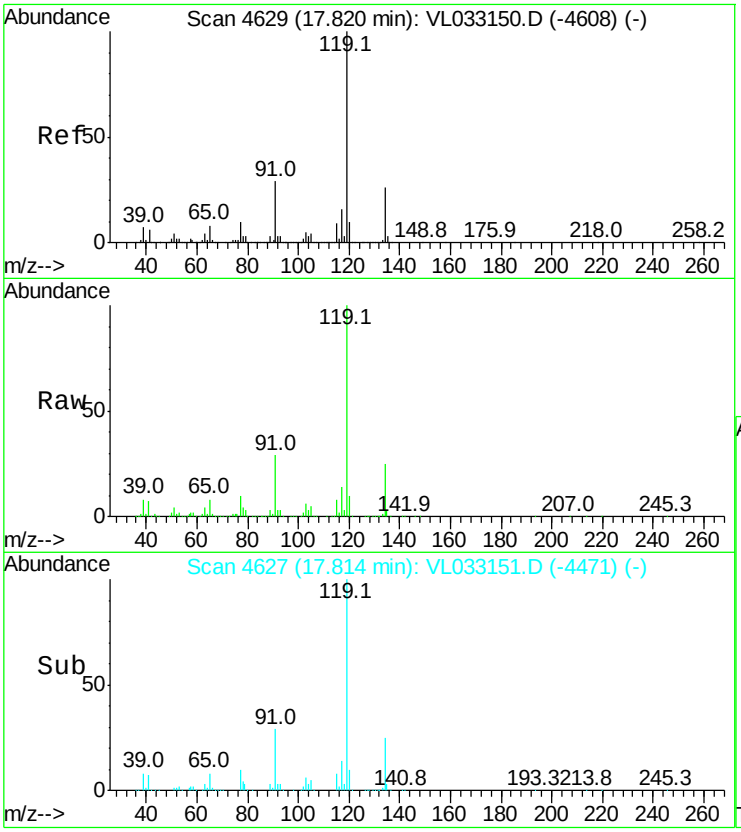


#68
1-Bromo-4-Fluorobenzene
Concen: 10.046 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 95 Resp: 2652800

Ion	Ratio	Lower	Upper
95	100		
174	60.5	49.2	73.8
175	4.4	3.7	5.5



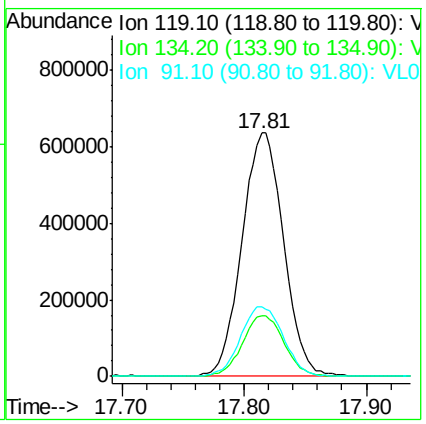


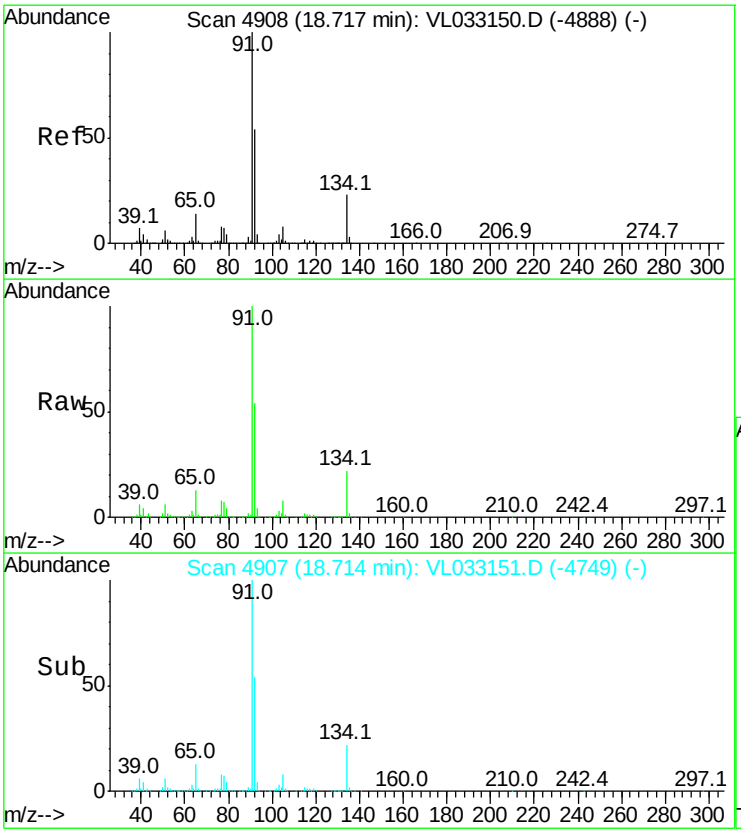
#69
p-Isopropyltoluene
Concen: 2.474 ppbv
RT: 17.81 min Scan# 4627
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:119 Resp: 1499420

Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.3	30.5
91	29.5	22.6	33.8

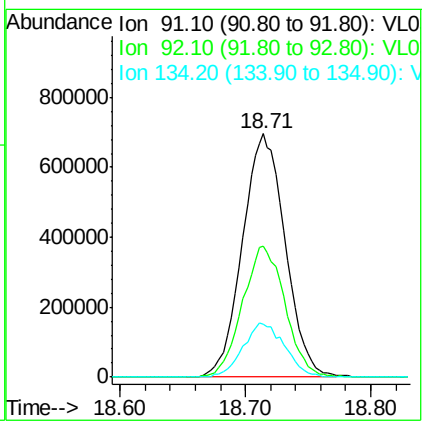


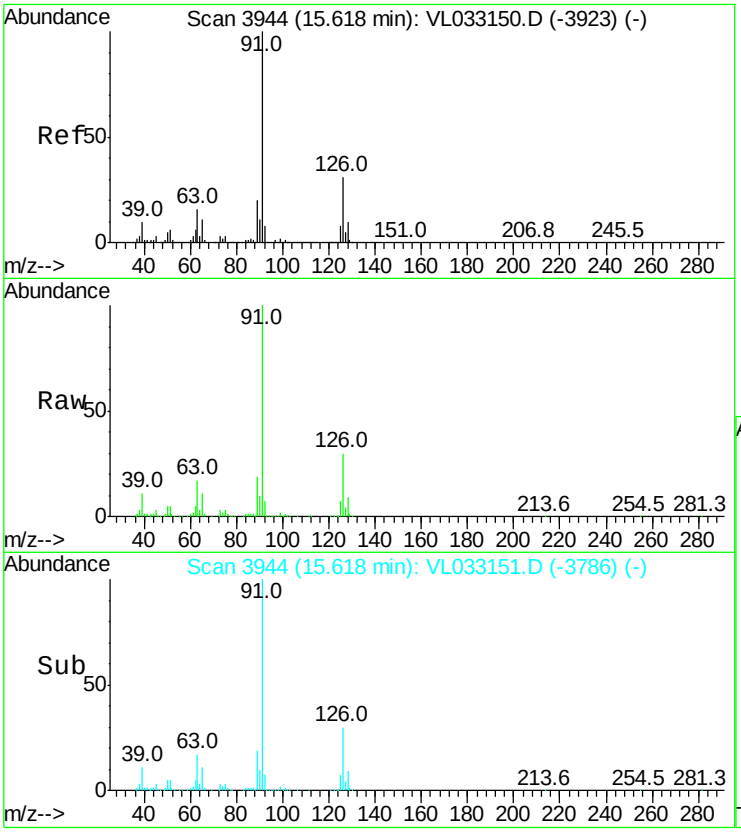


#70
n-Butylbenzene
Concen: 2.657 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. 0.01 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion: 91 Resp: 1638450

Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.7	65.5
134	21.9	18.4	27.6



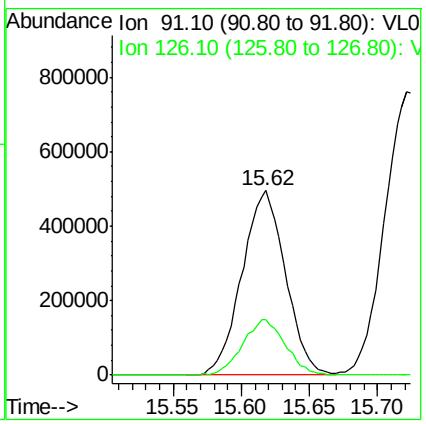


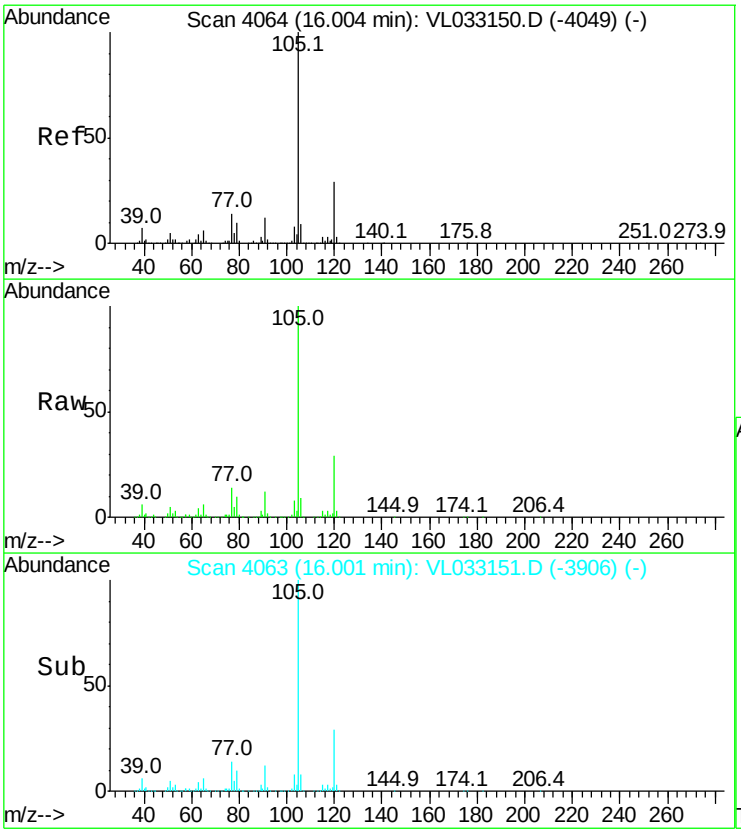
#71
2-Chlorotoluene
Concen: 2.239 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. 0.01 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 1096326

Ion	Ratio	Lower	Upper
91	100		
126	29.8	12.3	49.1

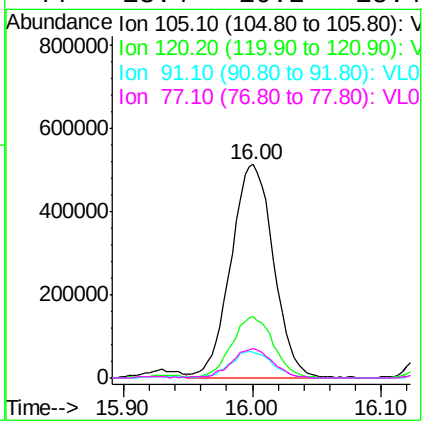


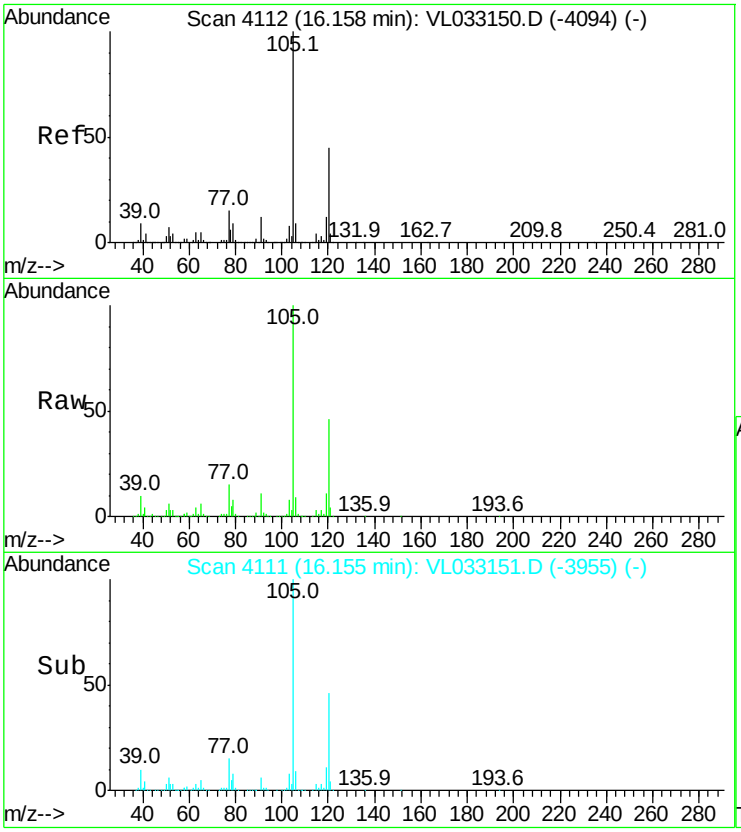


#72
4-Ethyltoluene
Concen: 2.319 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion:105 Resp: 1176374

Ion	Ratio	Lower	Upper
105	100		
120	28.4	23.2	34.8
91	12.3	9.5	14.3
77	13.4	10.2	15.4



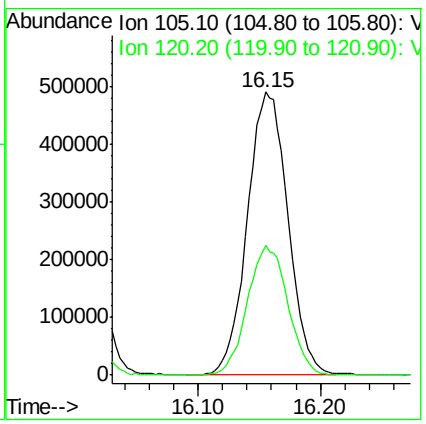


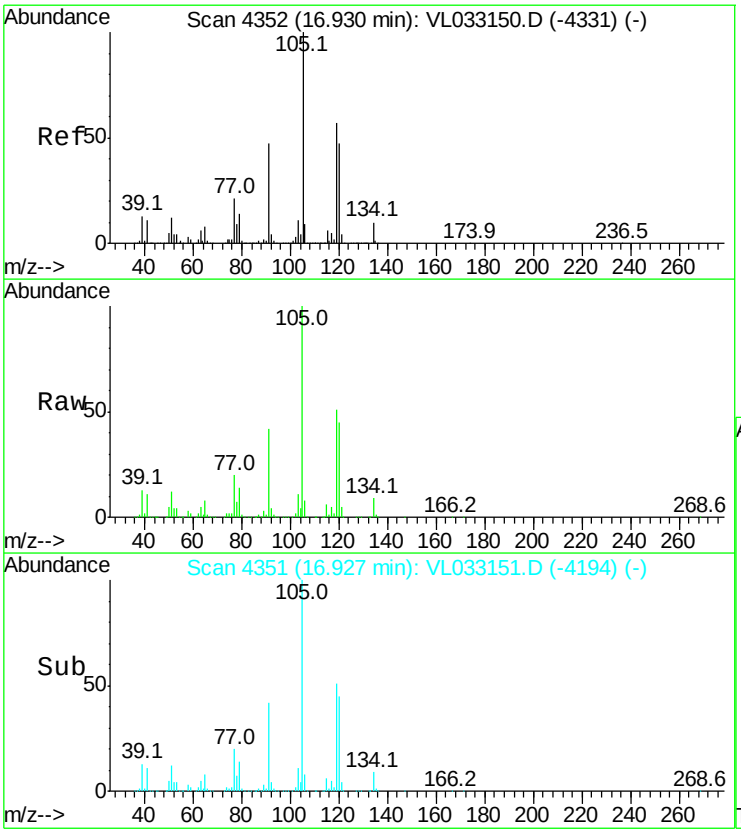
#73
1,3,5-Trimethylbenzene
Concen: 2.453 ppbv
RT: 16.15 min Scan# 4111
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 1121950

Ion	Ratio	Lower	Upper
105	100		
120	45.8	38.0	57.0

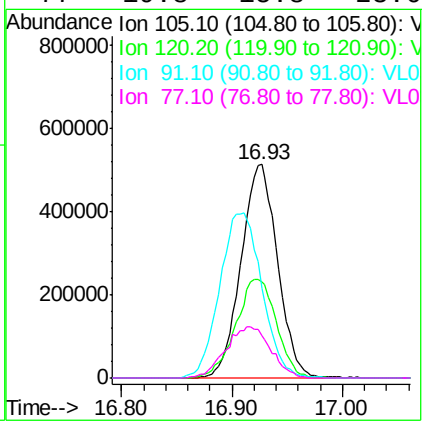


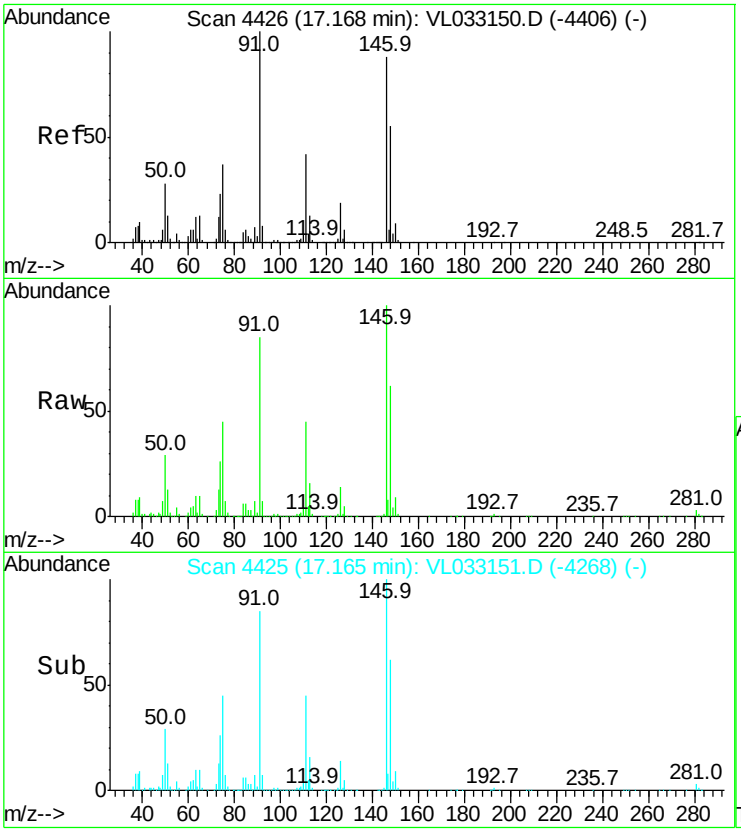


#74
1,2,4-Trimethylbenzene
Concen: 2.605 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion:105 Resp: 1173507

Ion	Ratio	Lower	Upper
105	100		
120	44.9	38.2	57.4
91	41.9	35.0	52.4
77	19.8	15.8	23.6



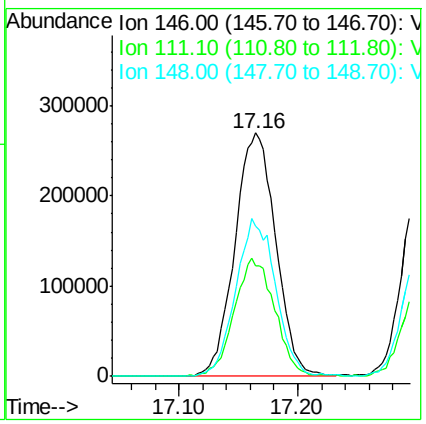


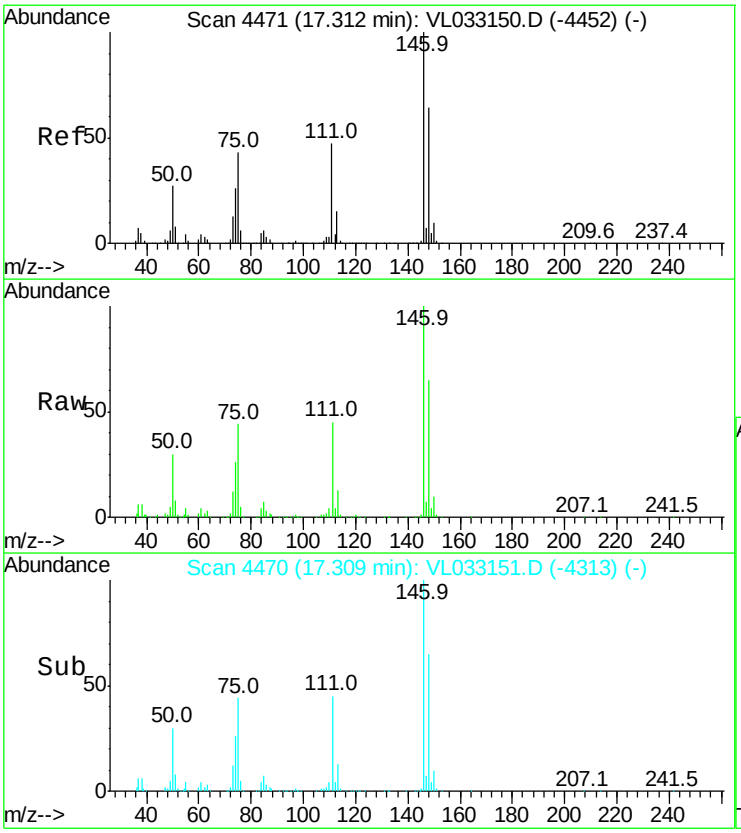
#75
1,3-Dichlorobenzene
Concen: 2.392 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 641891

Ion	Ratio	Lower	Upper
146	100		
111	48.2	24.0	72.0
148	63.4	31.9	95.7

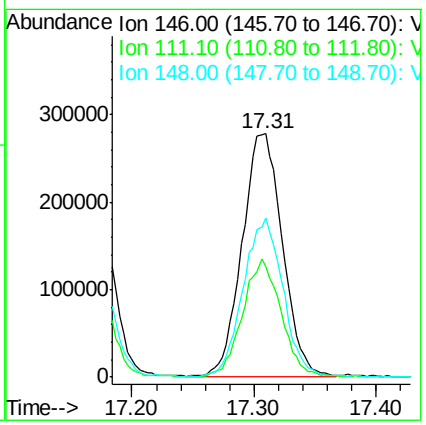


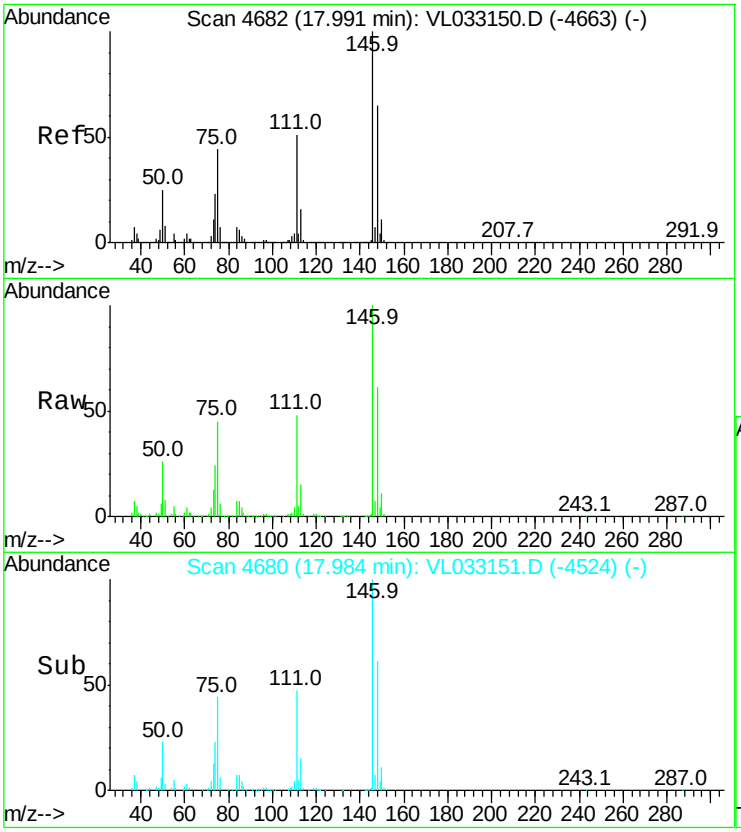


#76
1,4-Dichlorobenzene
Concen: 2.348 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion:146 Resp: 629116

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.4	70.0
148	65.6	31.9	95.9



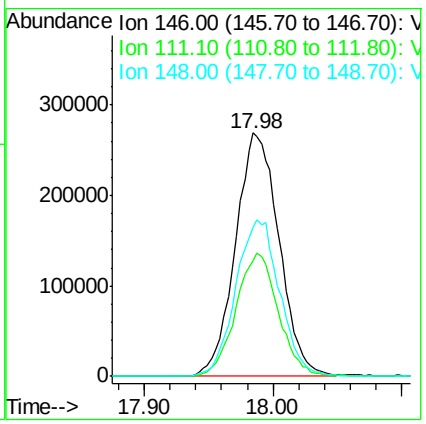


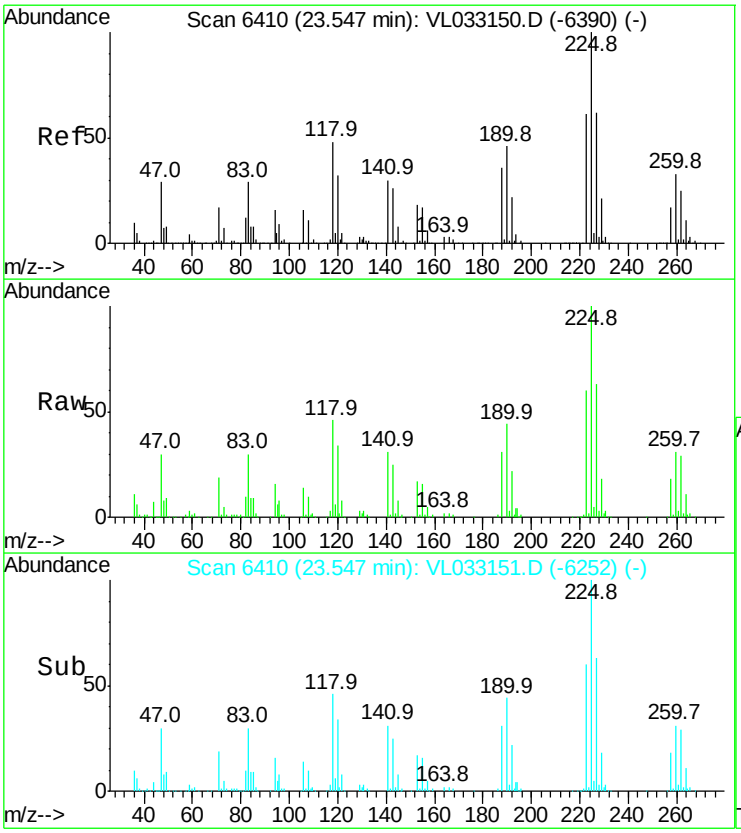
#77
1,2-Dichlorobenzene
Concen: 2.441 ppbv
RT: 17.98 min Scan# 4680
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 631759

Ion	Ratio	Lower	Upper
146	100		
111	49.3	25.1	75.3
148	65.1	32.0	96.2

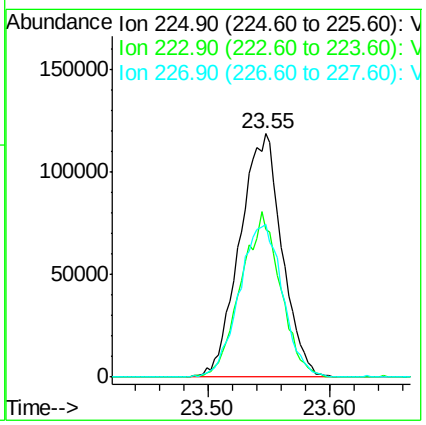


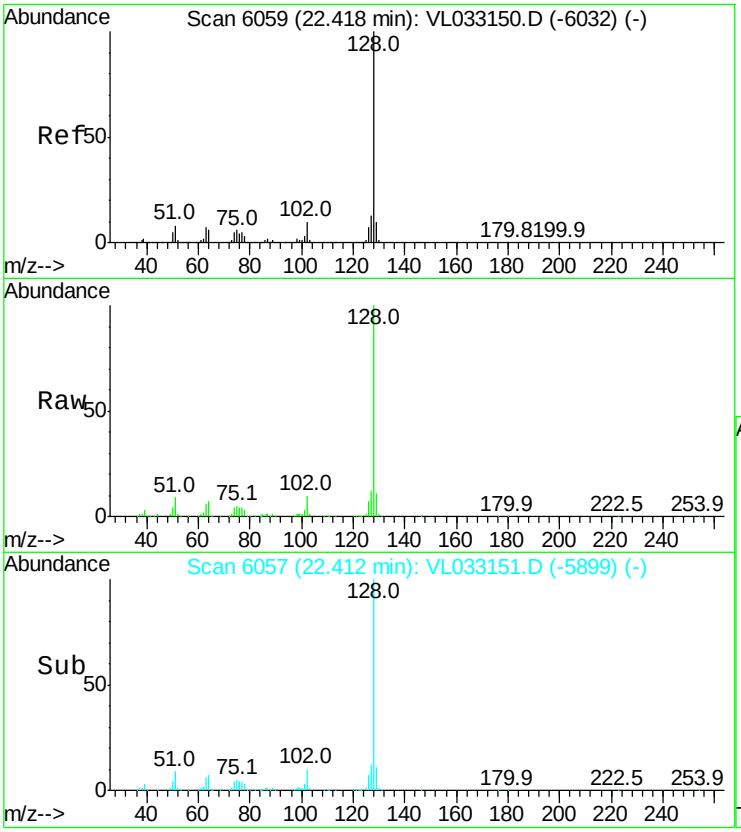


#78
Hexachloro-1,3-Butadiene
Concen: 2.370 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. 0.01 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion:225 Resp: 284255

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.2	75.4
227	64.3	51.1	76.7



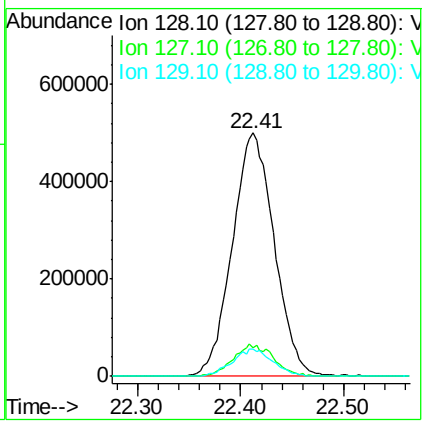


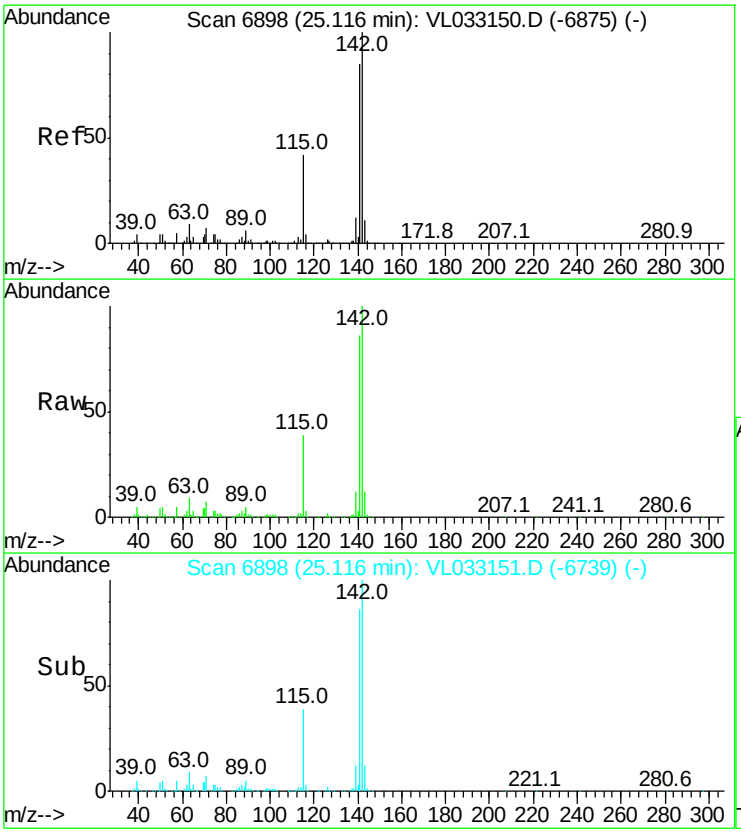
#79
Naphthalene
Concen: 4.752 ppbv
RT: 22.41 min Scan# 6057
Delta R.T. 0.01 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 1403599

Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.6	16.0
129	11.0	9.0	13.4

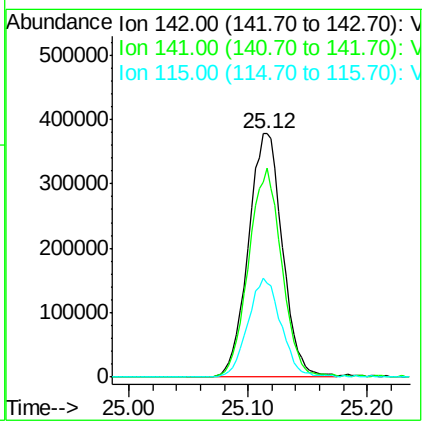


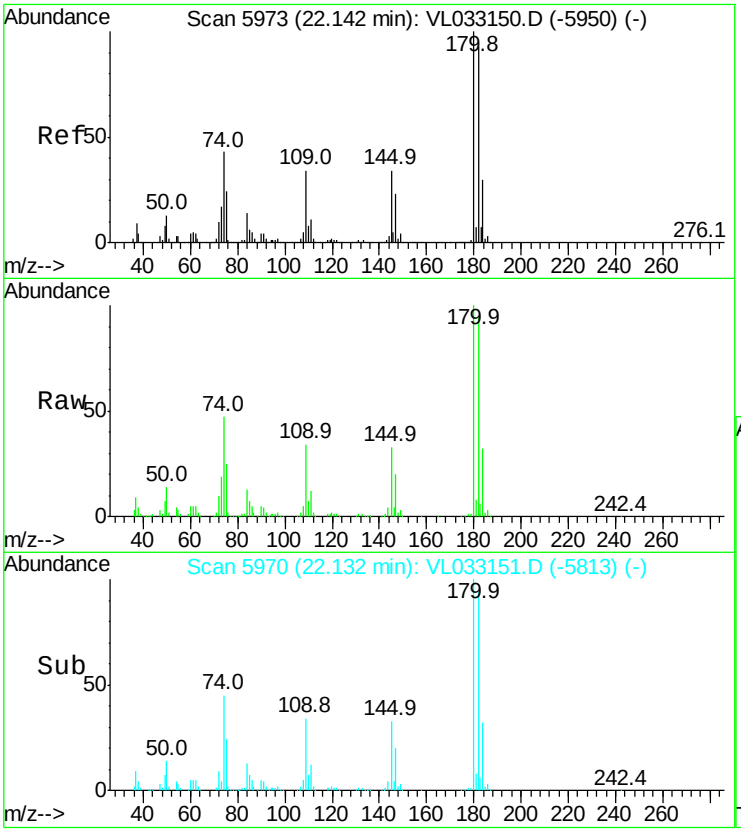


#80
Naphthalene,2-methyl-
Concen: 8.596 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. 0.01 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Tgt Ion:142 Resp: 748922

Ion	Ratio	Lower	Upper
142	100		
141	83.7	66.5	99.7
115	39.5	31.3	46.9





#81
1,2,4-Trichlorobenzene
Concen: 4.047 ppbv
RT: 22.13 min Scan# 5970
Delta R.T. 0.00 min
Lab File: VL033151.D
Acq: 4 Feb 2019 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 629275

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.2	114.4
184	30.5	24.6	36.8