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

Quantitation Report (Not Reviewed)

Data File : VL033062.D
Acq On : 4 Jan 2019 9:55
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Jan 04 11:48:00 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	1509415	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3682830	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3507744	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2626909	10.04	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	368607	1.095	ppbv	97
3) Chlorodifluoromethane	3.01	51	319648	1.740	ppbv	100
4) Chloromethane	3.17	50	187613	1.757	ppbv	93
5) Vinyl Chloride	3.29	62	180160	1.589	ppbv	99
6) Bromomethane	3.52	94	122768	1.779	ppbv	94
7) Chloroethane	3.60	64	69244	1.777	ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	472170	1.761	ppbv	99
9) Propene	3.04	41	118688	1.665	ppbv	97
10) Heptane	8.25	43	401802	2.203	ppbv	99
11) Trichlorofluoromethane	4.01	101	763185	2.578	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	346479	1.731	ppbv	99
13) Ethanol	3.65	45	49964	1.799	ppbv	95
14) Bromoethene	3.79	108	166347	1.952	ppbv	99
15) Acetone	3.90	43	523688	2.653	ppbv	100
16) 1,3-Butadiene	3.36	39	166800	1.939	ppbv	90
17) tert-Butyl alcohol	4.36	59	49362	1.119	ppbv #	81
18) 1,1-Dichloroethene	4.35	96	166972	1.862	ppbv	97
19) Isopropyl Alcohol	4.03	45	348868	2.645	ppbv #	97
20) Methylene Chloride	4.41	84	151388	1.733	ppbv	93
21) Allyl Chloride	4.48	41	220282	1.641	ppbv	94
22) trans-1,2-Dichloroethene	4.96	96	190168	2.172	ppbv	95
23) Vinyl Acetate	5.15	43	576936	2.115	ppbv #	99
24) 1,1-Dichloroethane	5.09	63	489783	2.163	ppbv	99
25) Ethyl Acetate	5.77	43	777239	2.199	ppbv	100
26) Hexane	5.78	57	378028	2.256	ppbv	97
27) Carbon Disulfide	4.62	76	367587	1.755	ppbv	97
28) Methyl tert-Butyl Ether	5.12	73	571296	2.177	ppbv	99
29) Chloroform	5.85	83	628957	2.264	ppbv	97
30) Cyclohexane	7.25	84	275822	2.192	ppbv	87
31) cis-1,2-Dichloroethene	5.64	61	339755	2.189	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	613304	2.092	ppbv	98
34) 2-Butanone	5.33	43	481553	2.240	ppbv	100
35) Carbon Tetrachloride	7.13	117	678470	2.134	ppbv	96
36) Benzene	7.01	78	668184	2.205	ppbv	96
37) 1,2-Dichloroethane	6.41	62	456982	2.217	ppbv	99
38) Trichloroethene	7.96	130	289459	2.287	ppbv	99
39) 1,2-Dichloropropane	7.74	63	242381	2.132	ppbv	99
40) 1,4-Dioxane	7.97	88	55296	1.282	ppbv #	1
41) Tetrahydrofuran	6.15	42	243052	2.217	ppbv	99
42) Bromodichloromethane	7.92	83	641646	2.163	ppbv	95
43) Methyl Methacrylate	8.14	69	253266	2.242	ppbv	95

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

Quantitation Report (Not Reviewed)

Data File : VL033062.D
Acq On : 4 Jan 2019 9:55
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Jan 04 11:48:00 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	1167088	2.175	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	301916	1.934	ppbv		99
46) cis-1,3-Dichloropropene	8.84	75	302819	1.784	ppbv		97
47) 1,1,2-Trichloroethane	9.61	97	279445	2.036	ppbv		98
48) Dibromochloromethane	10.45	129	521194	2.290	ppbv		99
49) Bromoform	13.20	173	458891	2.188	ppbv		98
50) 4-Methyl-2-Pentanone	8.87	43	511021	1.768	ppbv		100
51) 2-Hexanone	10.28	43	454735	2.328	ppbv	#	98
52) Tetrachloroethene	11.37	164	237998	2.170	ppbv		93
53) Toluene	9.95	91	726700	2.330	ppbv		100
54) 1,2-Dibromoethane	10.76	107	430551	2.160	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.28	131	392821	2.213	ppbv	#	1
57) Chlorobenzene	12.30	112	630423	2.217	ppbv		98
58) Ethyl Benzene	12.87	91	1022753	2.370	ppbv		95
59) m/p-Xylene	13.12	91	891641	2.225	ppbv	#	100
60) o-Xylene	13.85	91	911721	2.327	ppbv		99
61) Styrene	13.69	104	599037	2.371	ppbv		98
62) Isopropylbenzene	14.83	105	1295095	2.315	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.84	83	663077	2.162	ppbv		99
64) n-propylbenzene	15.72	120	332050	2.407	ppbv		94
65) tert-Butylbenzene	16.91	119	1193704	2.397	ppbv		96
66) Benzyl Chloride	17.16	91	643601	2.299	ppbv		100
67) sec-Butylbenzene	17.46	105	1687190	2.403	ppbv		100
69) p-Isopropyltoluene	17.82	119	1397956	2.461	ppbv		99
70) n-Butylbenzene	18.72	91	1433225	2.472	ppbv		99
71) 2-Chlorotoluene	15.62	91	957376	2.415	ppbv		97
72) 4-Ethyltoluene	16.00	105	1030942	2.362	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	1015137	2.383	ppbv		99
74) 1,2,4-Trimethylbenzene	16.93	105	1113600	2.380	ppbv		94
75) 1,3-Dichlorobenzene	17.16	146	639267	2.333	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	307127	1.232	ppbv	#	23
77) 1,2-Dichlorobenzene	17.99	146	598053	2.384	ppbv		99
78) Hexachloro-1,3-Butadiene	23.55	225	535153	3.035	ppbv		99
79) Naphthalene	22.42	128	1000607	2.353	ppbv		97
80) Naphthalene,2-methyl-	25.12	142	325004	2.757	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	227297	1.174	ppbv	#	12

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

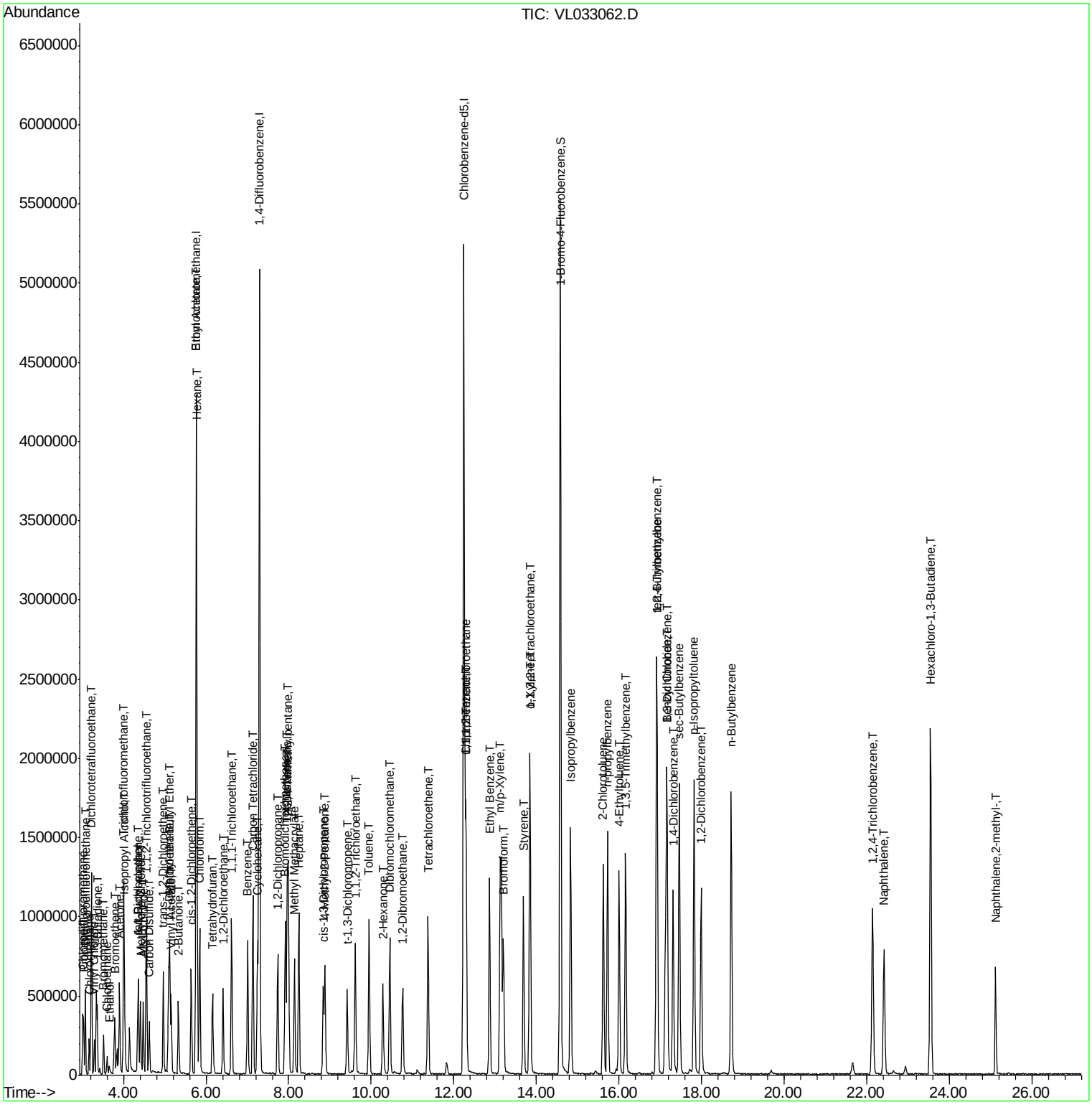
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010419\

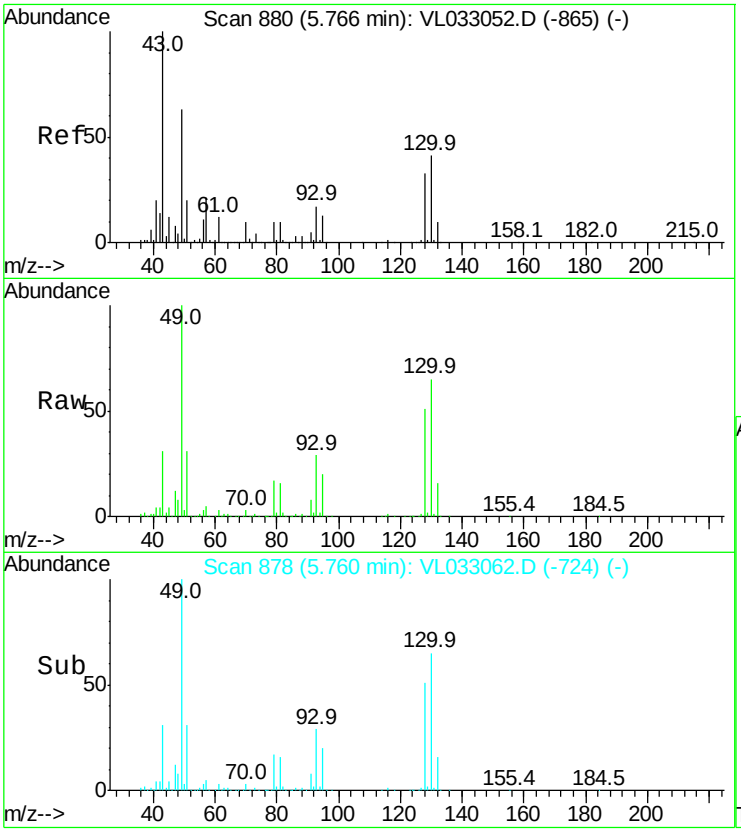
Quantitation Report (Not Reviewed)

Data File : VL033062.D
Acq On : 4 Jan 2019 9:55
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Jan 04 11:48:00 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



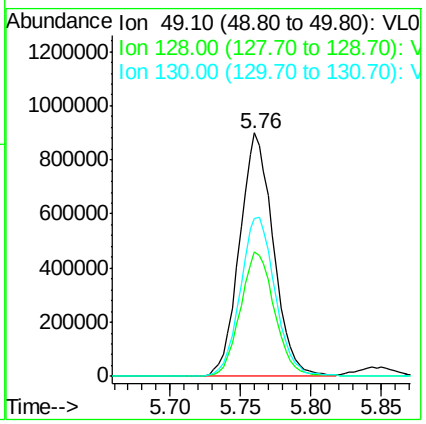


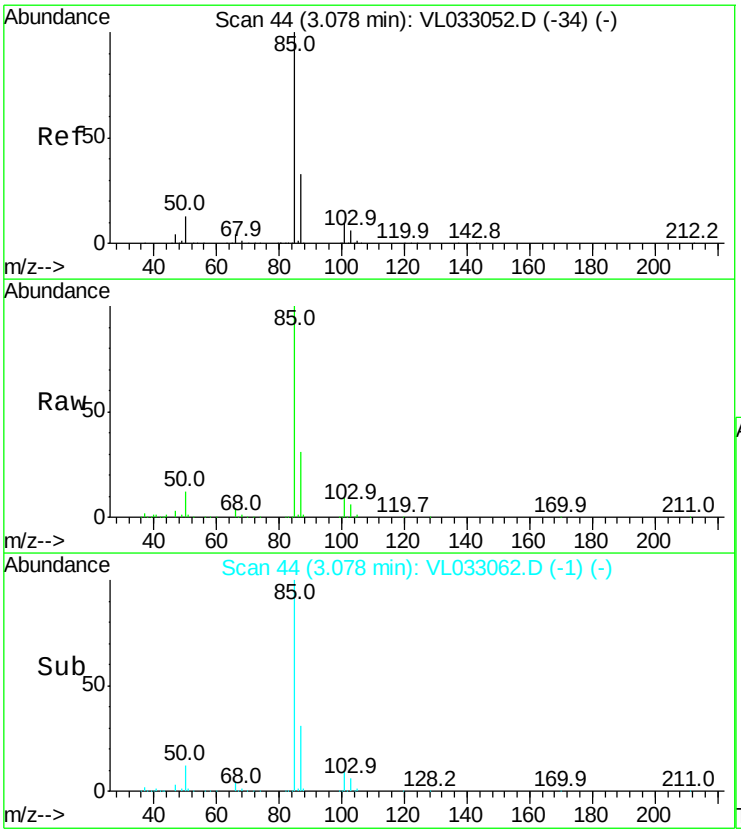
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 1509415

Ion	Ratio	Lower	Upper
49	100		
128	52.0	26.2	78.5
130	67.7	33.6	100.6

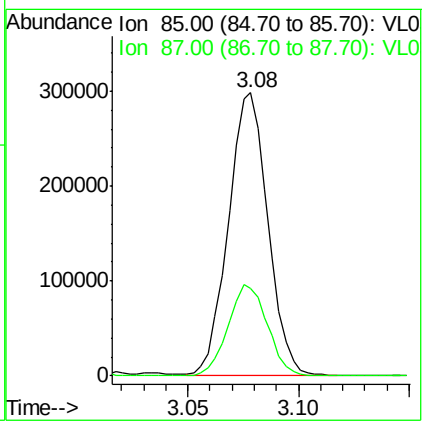


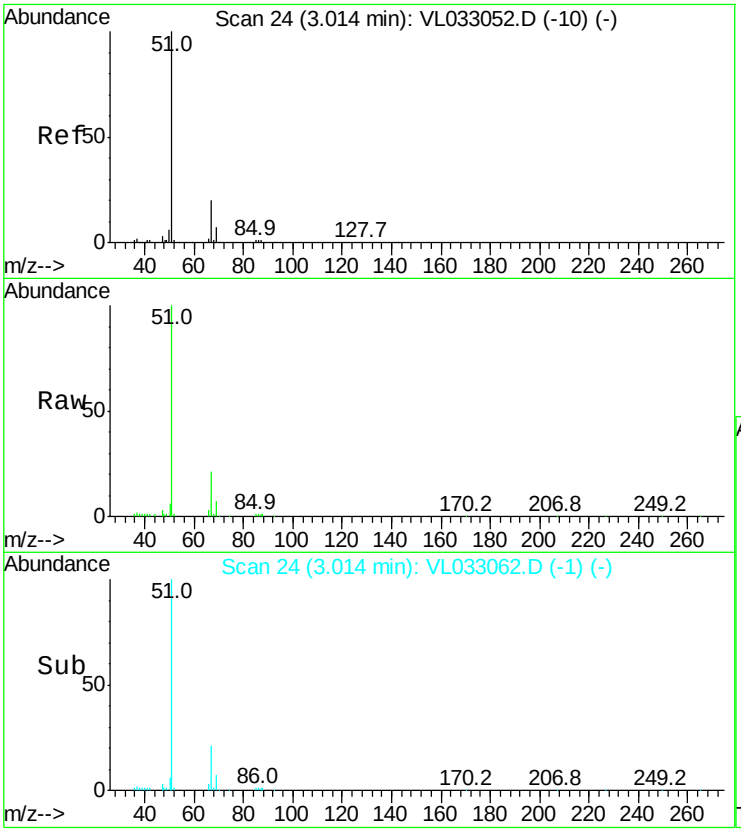


#2
Dichlorodifluoromethane
Concen: 1.095 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 85 Resp: 368607

Ion	Ratio	Lower	Upper
85	100		
87	31.2	26.3	39.5



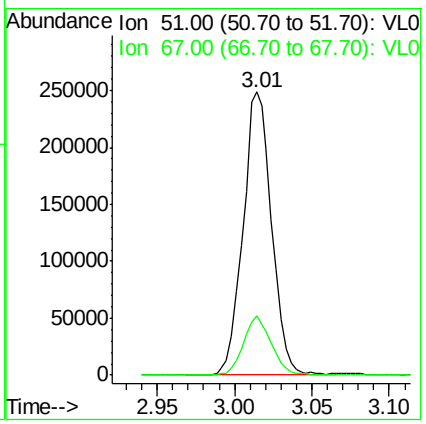


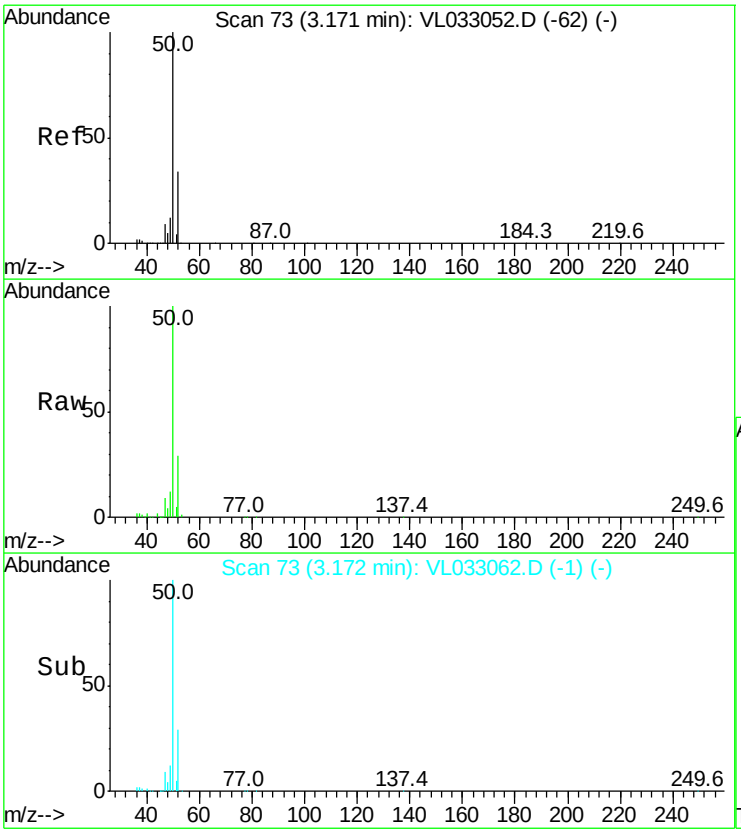
#3
Chlorodifluoromethane
Concen: 1.740 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 319648

Ion	Ratio	Lower	Upper
51	100		
67	20.3	16.3	24.5

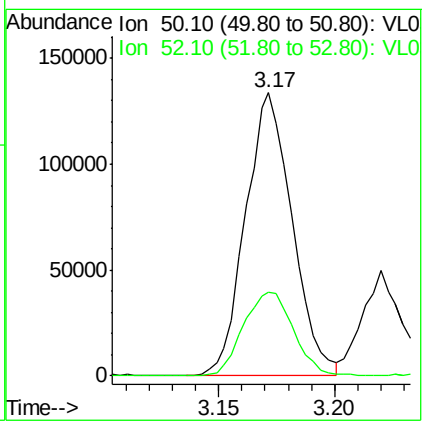


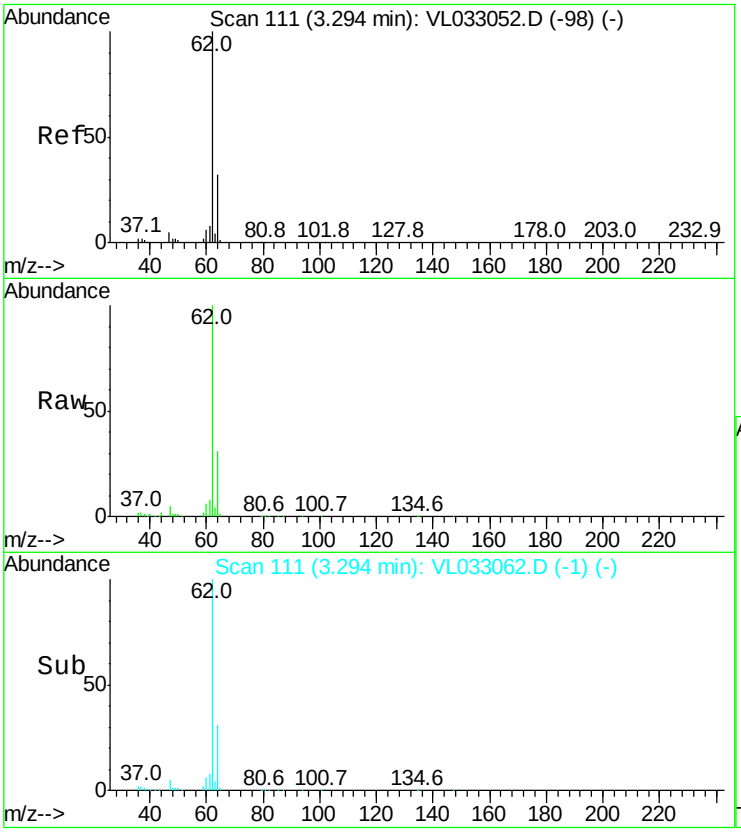


#4
Chloromethane
Concen: 1.757 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 50 Resp: 187613

Ion	Ratio	Lower	Upper
50	100		
52	29.5	26.9	40.3



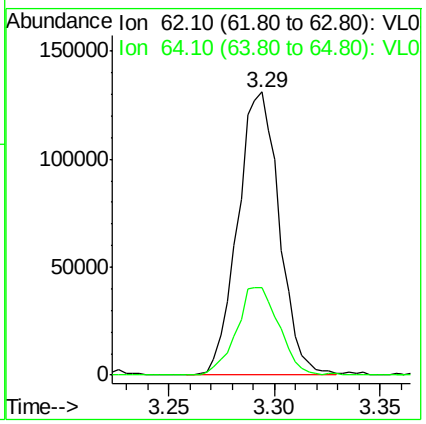


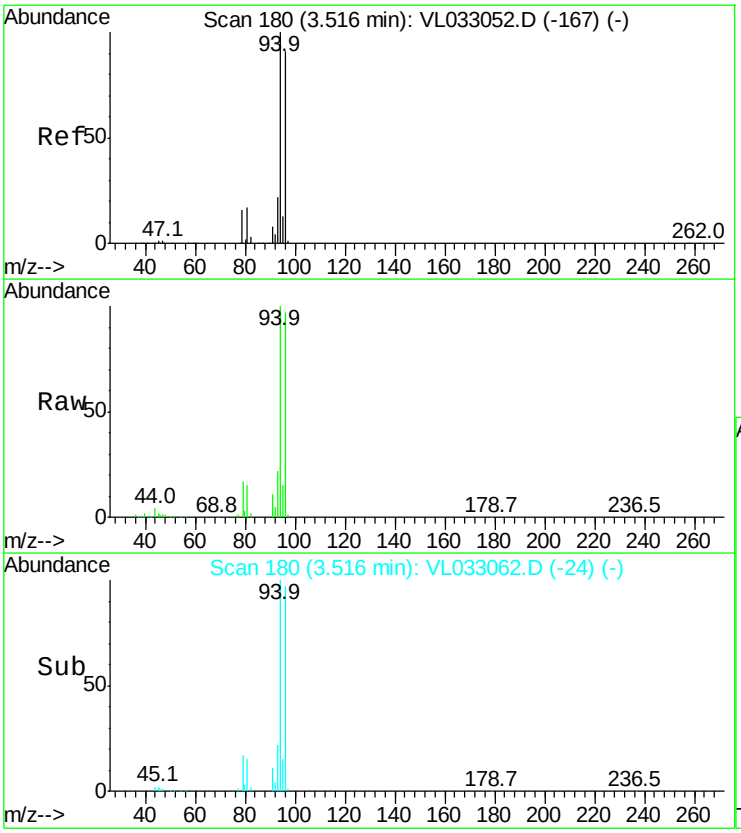
#5
Vinyl Chloride
Concen: 1.589 ppbv
RT: 3.29 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 62 Resp: 180160

Ion	Ratio	Lower	Upper
62	100		
64	31.0	25.3	37.9

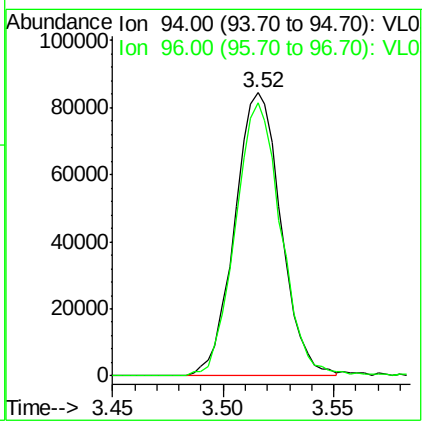


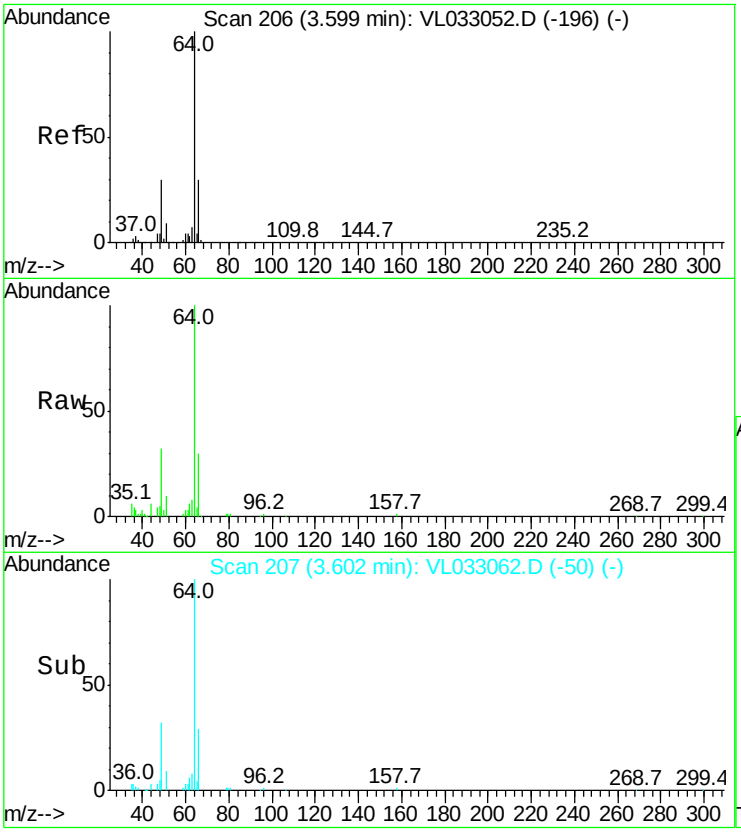


#6
Bromomethane
Concen: 1.779 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 94 Resp: 122768

Ion	Ratio	Lower	Upper
94	100		
96	96.4	72.8	109.2



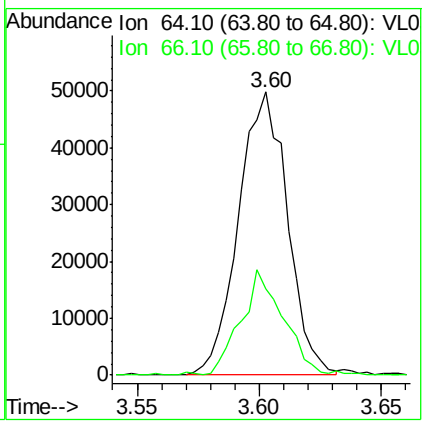


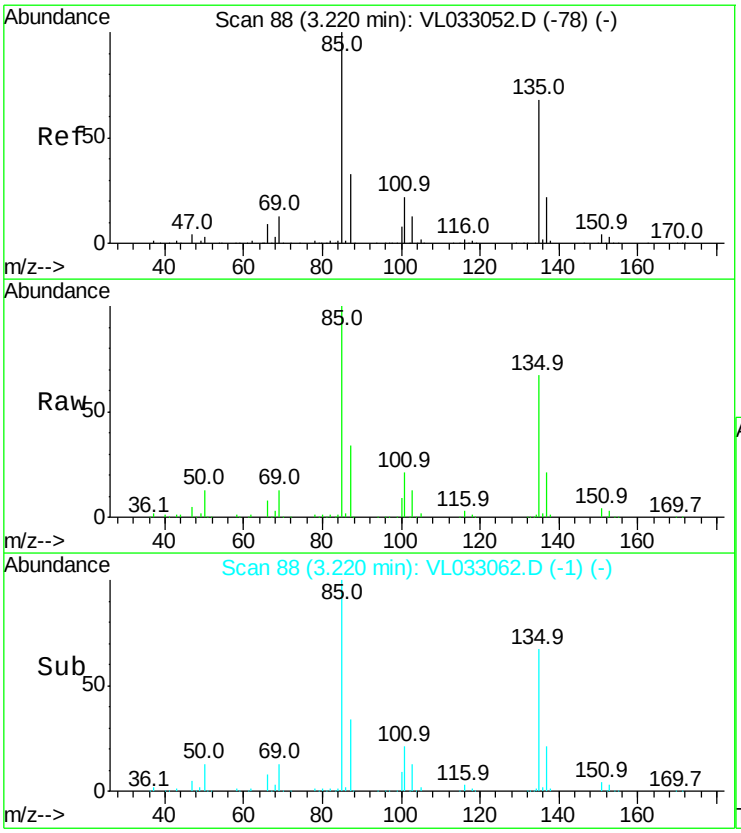
#7
Chloroethane
Concen: 1.777 ppbv
RT: 3.60 min Scan# 207
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 69244

Ion	Ratio	Lower	Upper
64	100		
66	30.7	23.7	35.5

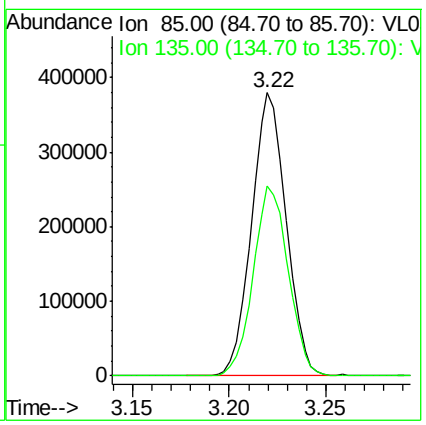


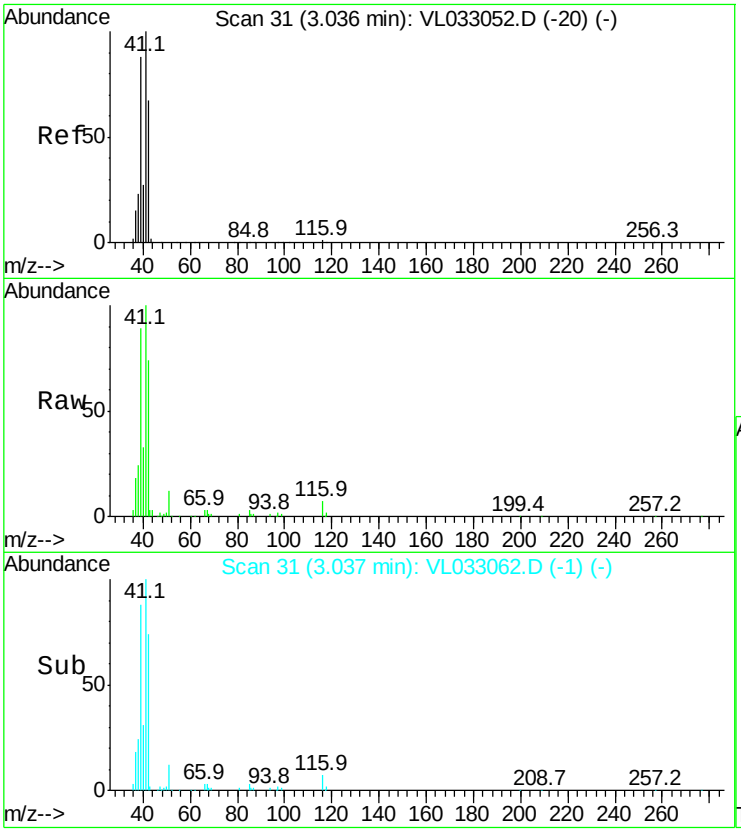


#8
Dichlorotetrafluoroethane
Concen: 1.761 ppbv
RT: 3.22 min Scan# 88
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 85 Resp: 472170

Ion	Ratio	Lower	Upper
85	100		
135	68.2	54.9	82.3

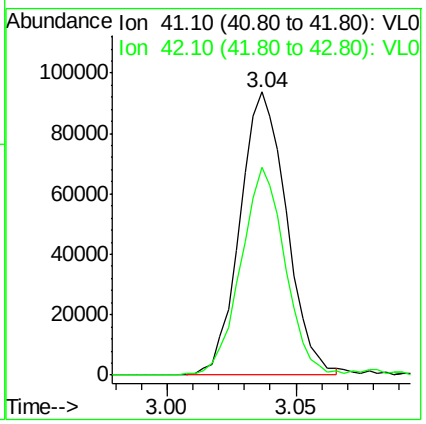




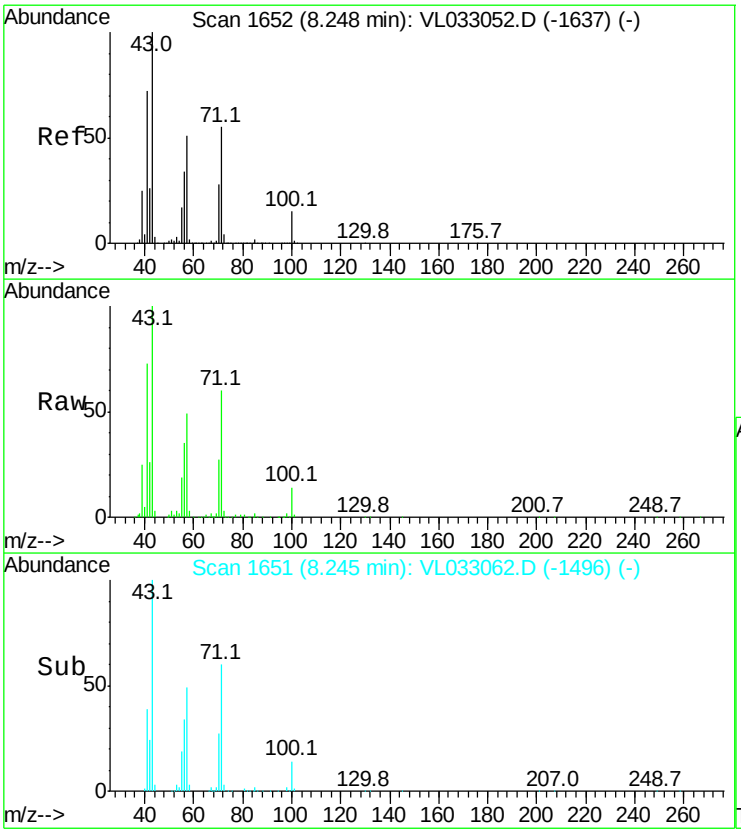
#9
Propene
Concen: 1.665 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 41 Resp: 118688

Ion	Ratio	Lower	Upper
41	100		
42	71.4	55.3	82.9



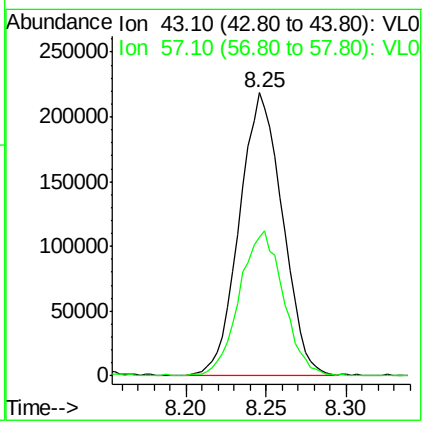
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

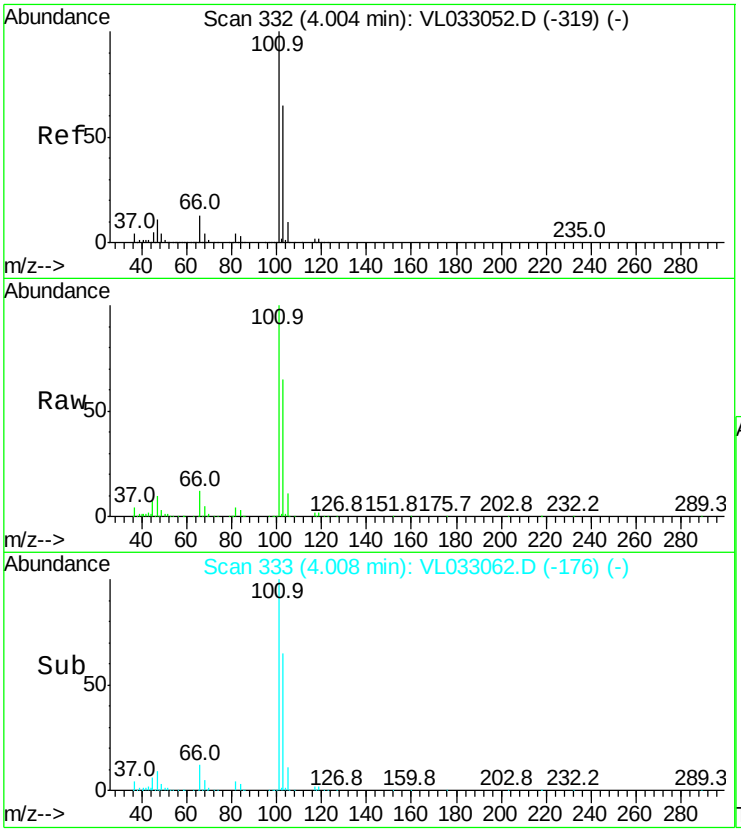


#10
Heptane
Concen: 2.203 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 43 Resp: 401802

Ion	Ratio	Lower	Upper
43	100		
57	52.0	41.9	62.9



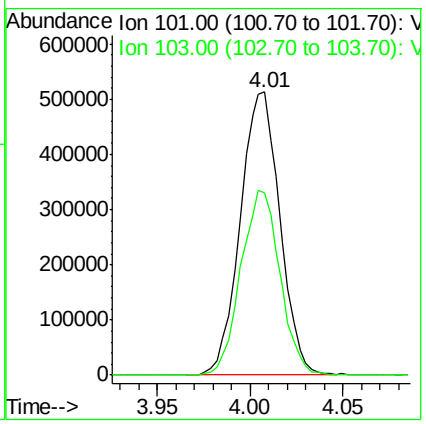


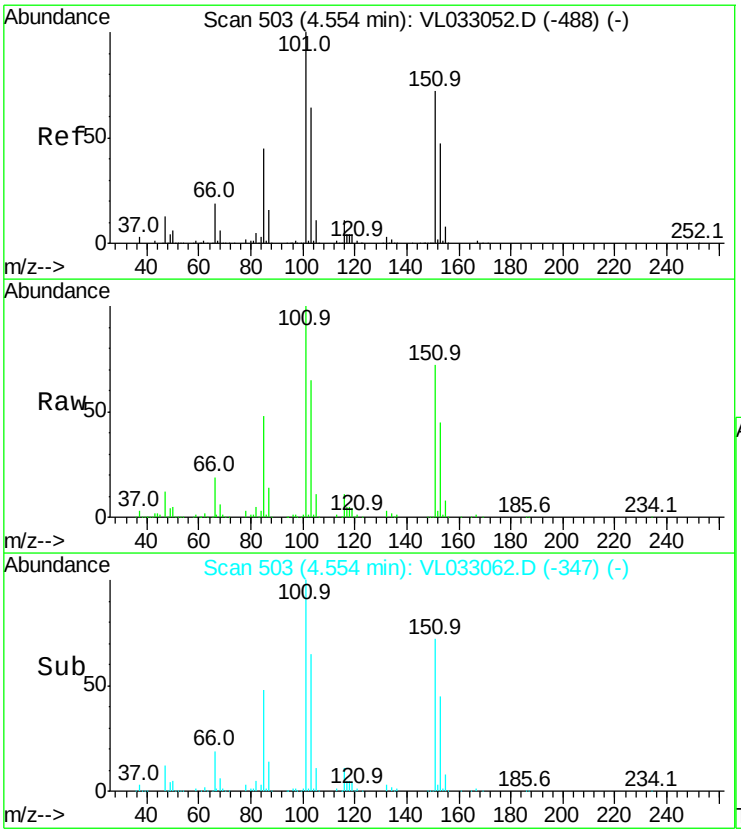
#11
Trichlorofluoromethane
Concen: 2.578 ppbv
RT: 4.01 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:101 Resp: 763185

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.7	77.5

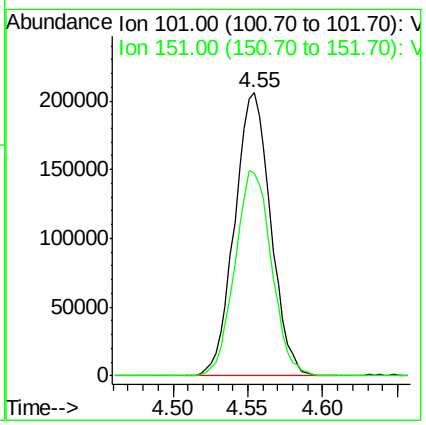


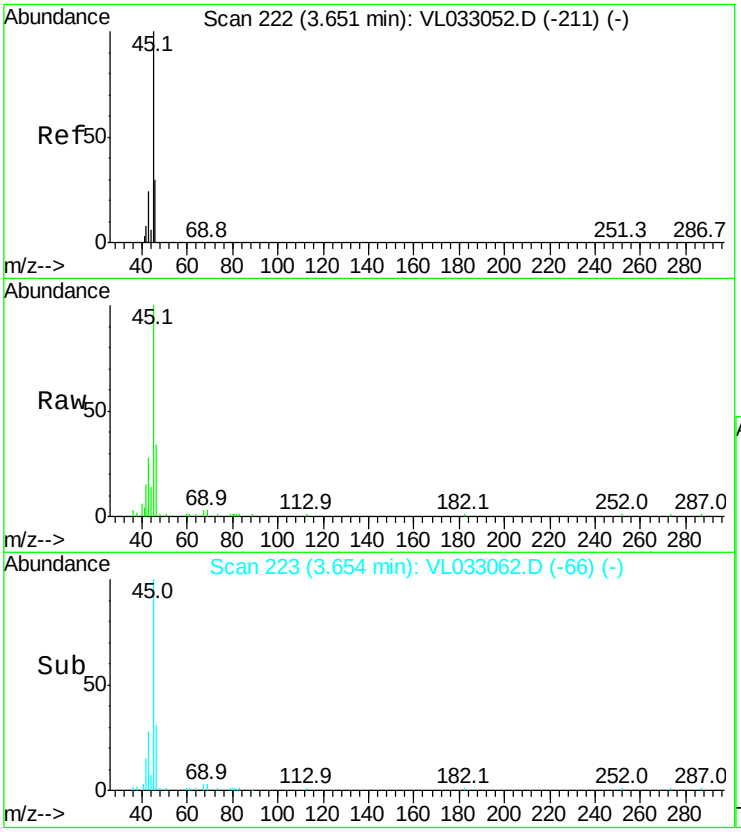


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.731 ppbv
RT: 4.55 min Scan# 503
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion:101 Resp: 346479

Ion	Ratio	Lower	Upper
101	100		
151	73.5	58.3	87.5



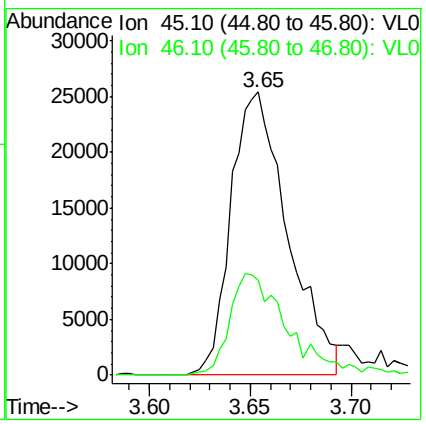


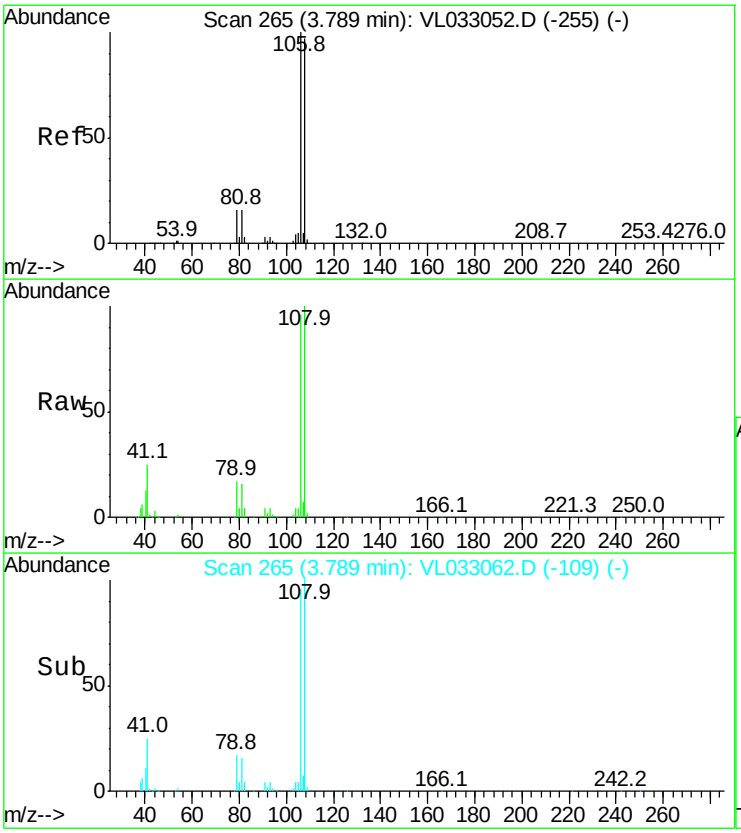
#13
Ethanol
Concen: 1.799 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 45 Resp: 49964

Ion	Ratio	Lower	Upper
45	100		
46	37.4	13.8	55.2

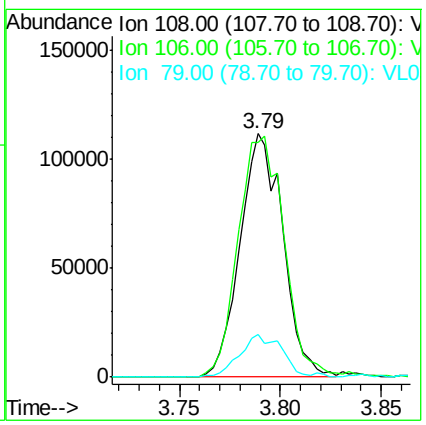


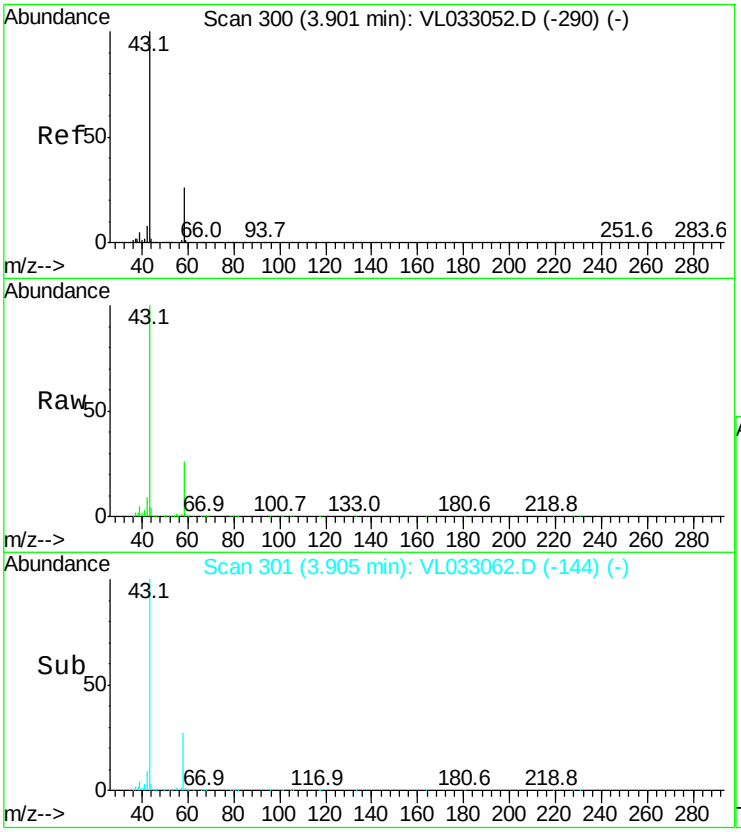


#14
Bromoethene
Concen: 1.952 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion:108 Resp: 166347

Ion	Ratio	Lower	Upper
108	100		
106	107.4	86.4	129.6
79	16.9	14.3	21.5



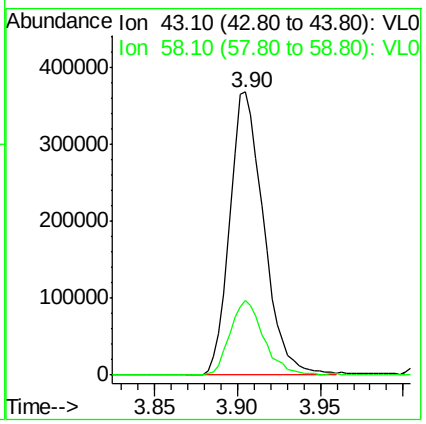


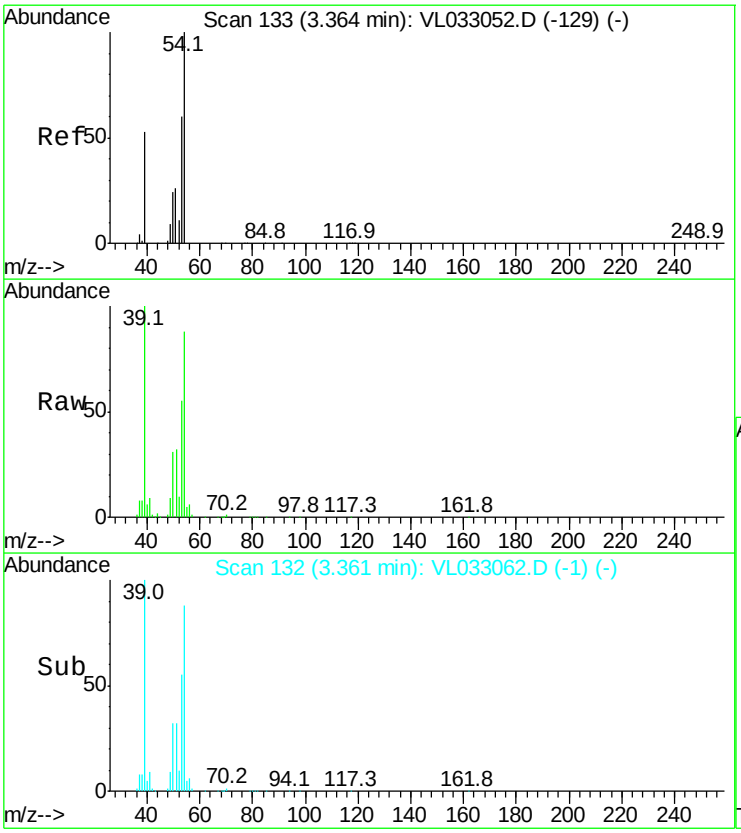
#15
Acetone
Concen: 2.653 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 523688

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.1	31.7

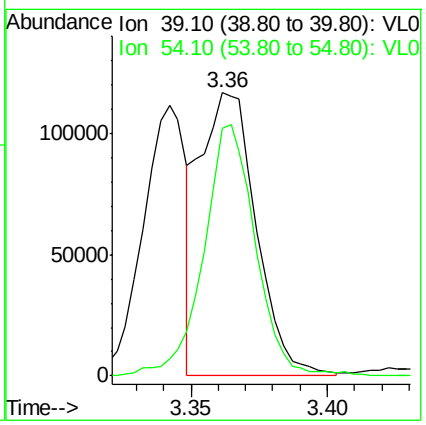


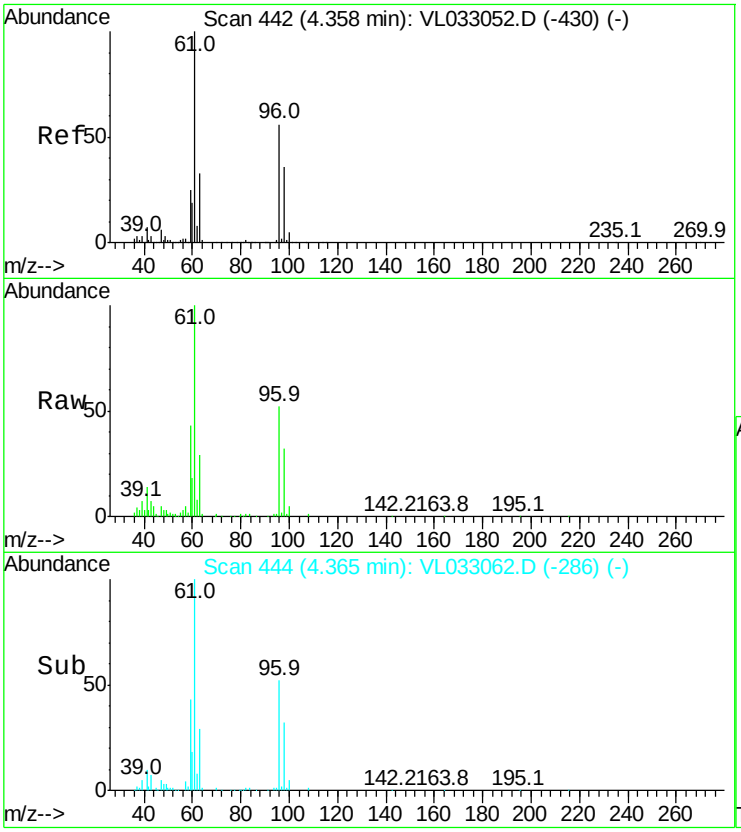


#16
1,3-Butadiene
Concen: 1.939 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 39 Resp: 166800

Ion	Ratio	Lower	Upper
39	100		
54	82.6	73.7	110.5



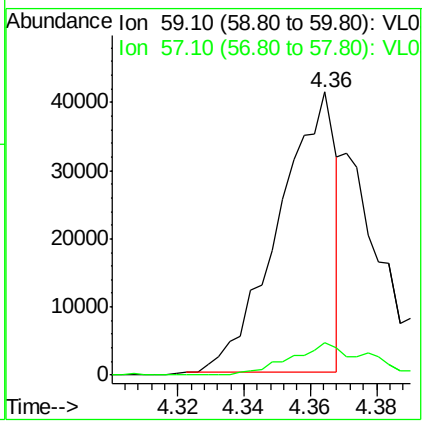


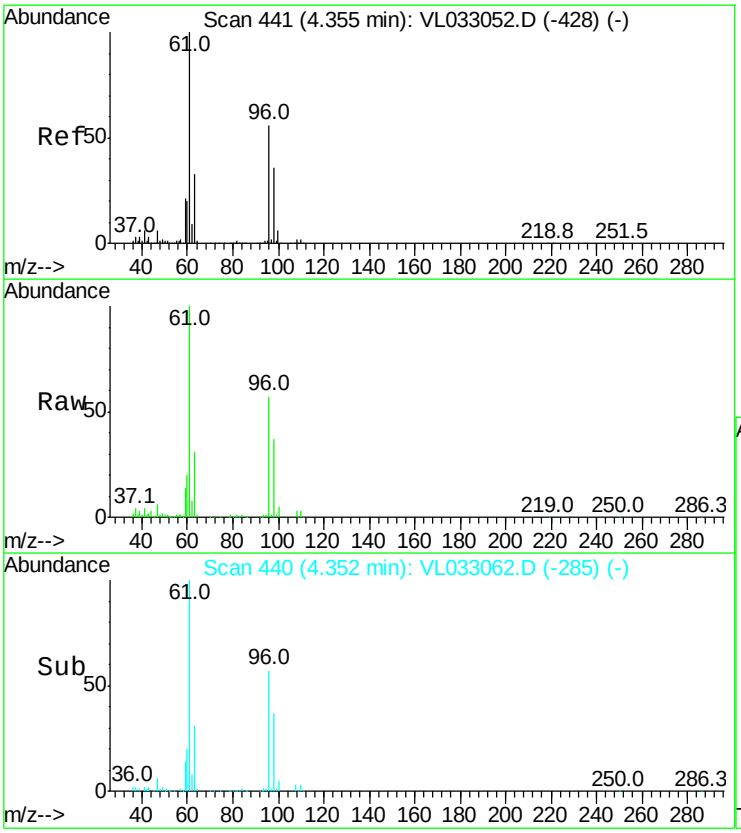
#17
tert-Butyl alcohol
Concen: 1.119 ppbv
RT: 4.36 min Scan# 444
Delta R.T. 0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 49362

Ion	Ratio	Lower	Upper
59	100		
57	16.5	7.7	11.5#

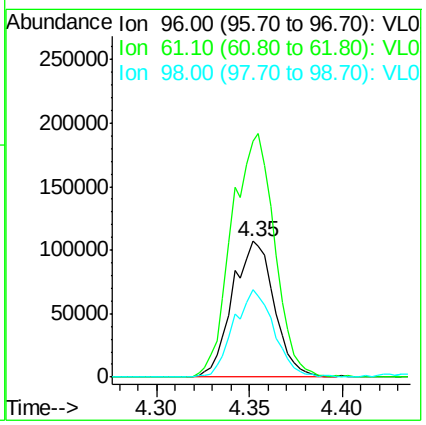


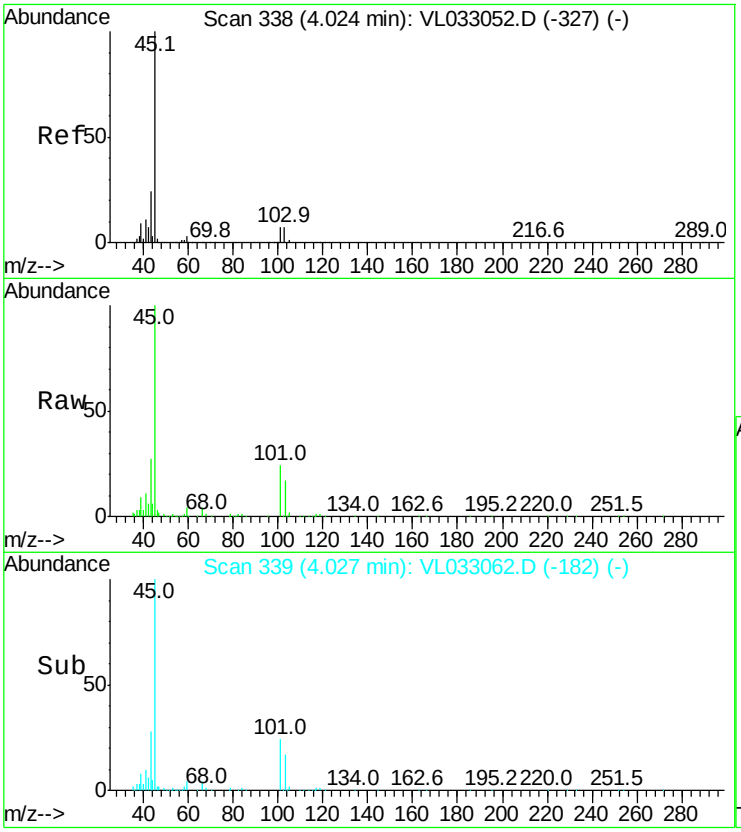


#18
1,1-Dichloroethene
Concen: 1.862 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 96 Resp: 166972

Ion	Ratio	Lower	Upper
96	100		
61	173.9	143.7	215.5
98	64.4	52.1	78.1



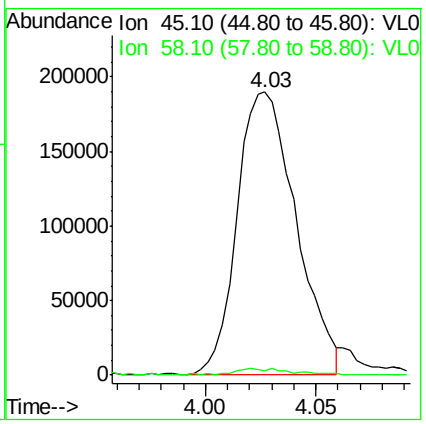


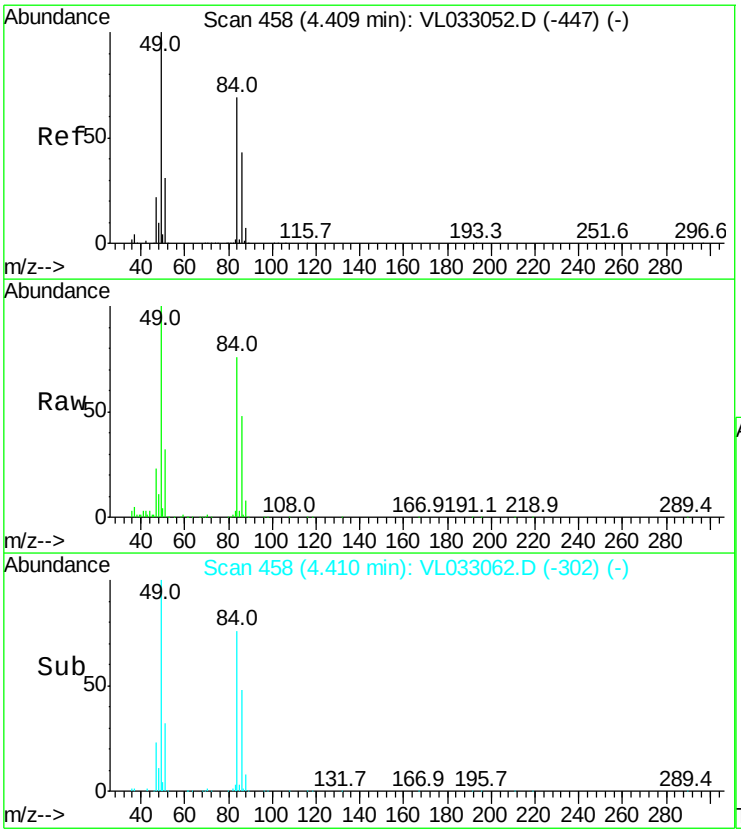
#19
Isopropyl Alcohol
Concen: 2.645 ppbv
RT: 4.03 min Scan# 339
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 348868

Ion	Ratio	Lower	Upper
45	100		
58	2.8	1.4	2.2#

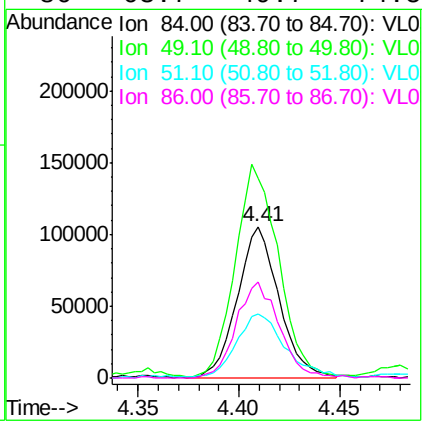


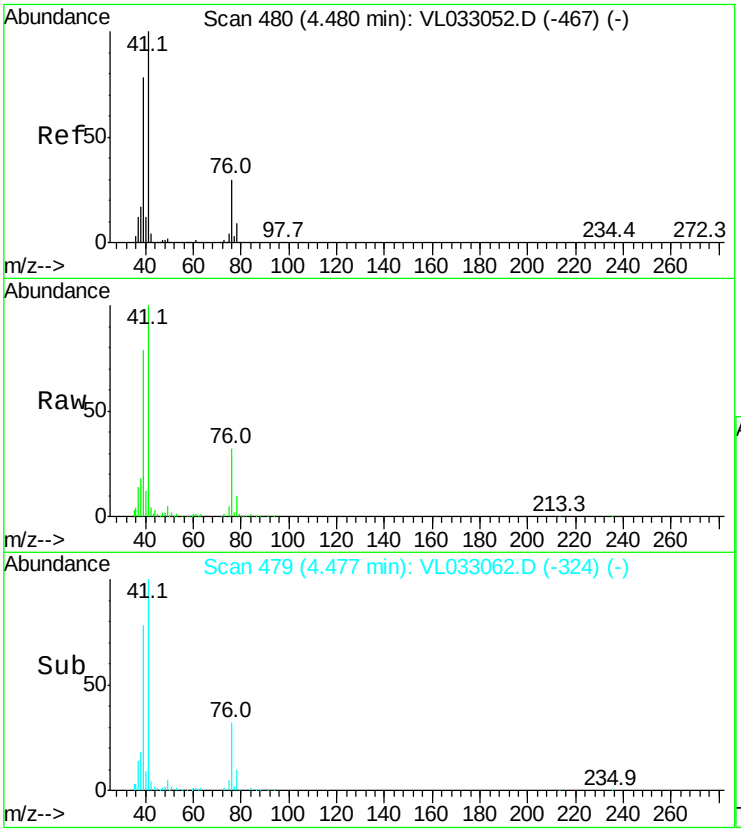


#20
Methylene Chloride
Concen: 1.733 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 84 Resp: 151388

Ion	Ratio	Lower	Upper
84	100		
49	131.6	115.8	173.6
51	41.5	35.7	53.5
86	63.7	49.7	74.5



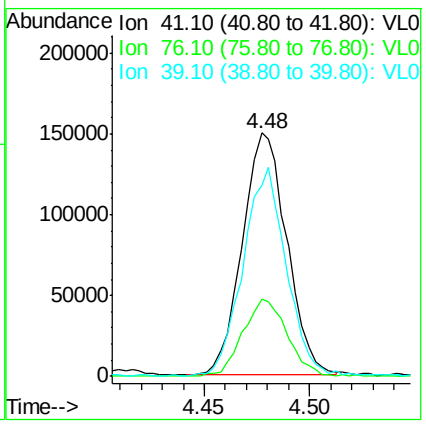


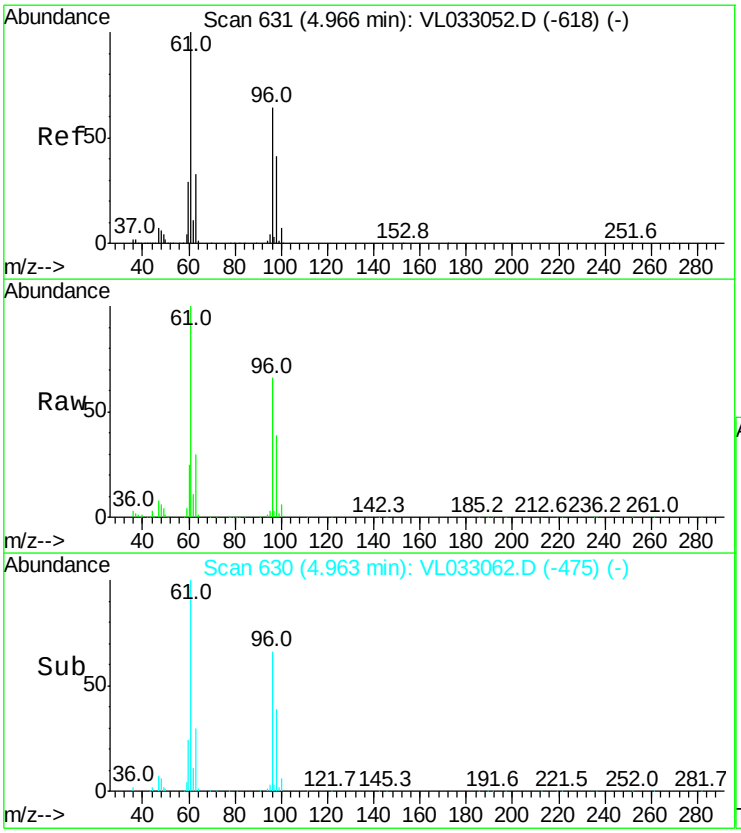
#21
Allyl Chloride
Concen: 1.641 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 41 Resp: 220282

Ion	Ratio	Lower	Upper
41	100		
76	32.1	24.6	36.8
39	84.7	62.8	94.2

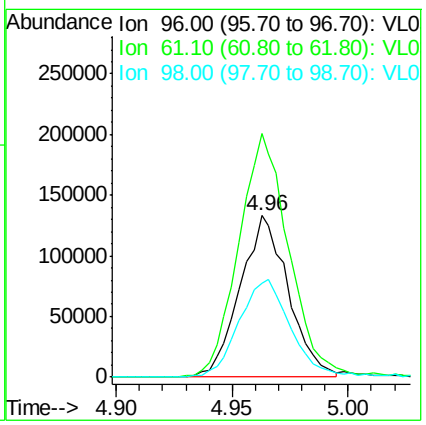


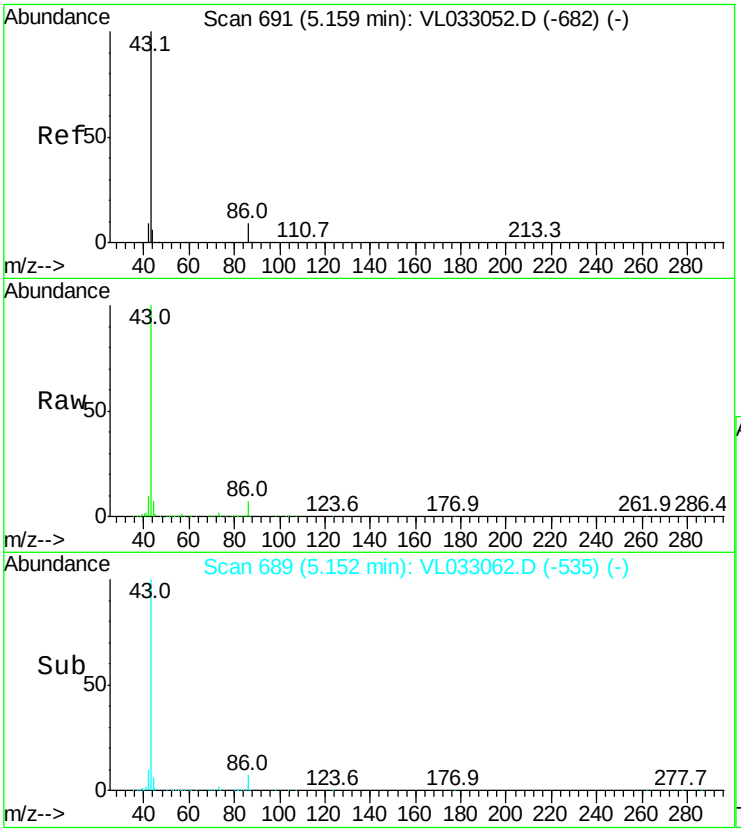


#22
trans-1,2-Dichloroethene
Concen: 2.172 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 96 Resp: 190168

Ion	Ratio	Lower	Upper
96	100		
61	150.6	125.2	187.8
98	58.7	50.9	76.3



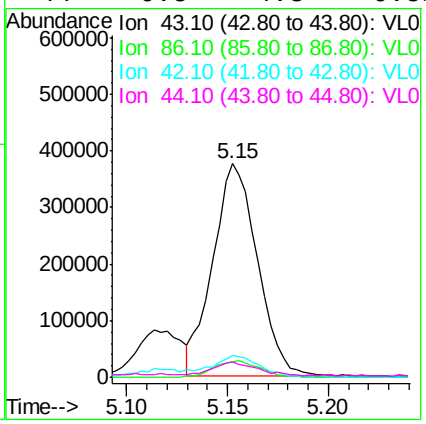


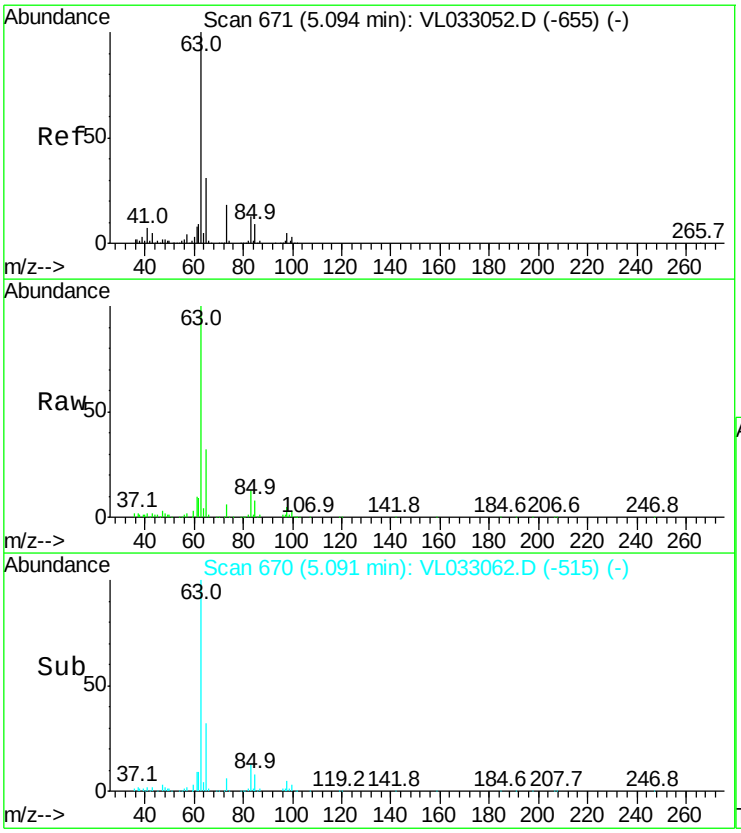
#23
Vinyl Acetate
Concen: 2.115 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 576936

Ion	Ratio	Lower	Upper
43	100		
86	7.3	6.2	9.4
42	10.0	8.1	12.1
44	6.5	4.3	6.5#

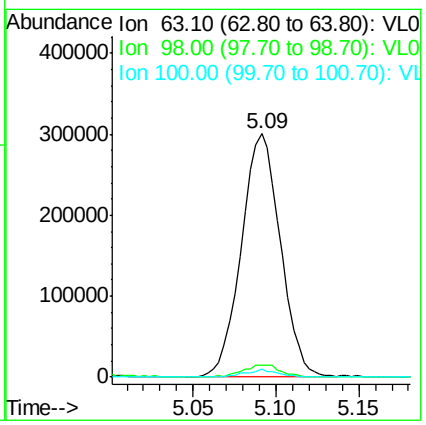


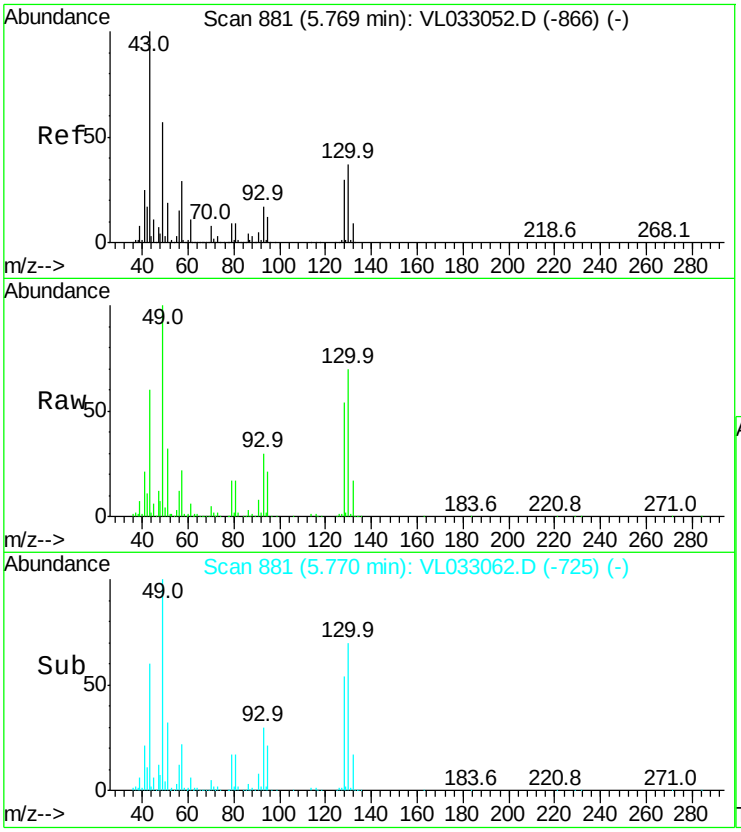


#24
1,1-Dichloroethane
Concen: 2.163 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 63 Resp: 489783

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.4	7.2
100	3.1	1.4	4.0



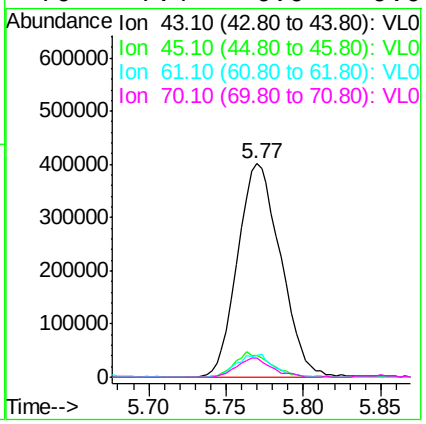


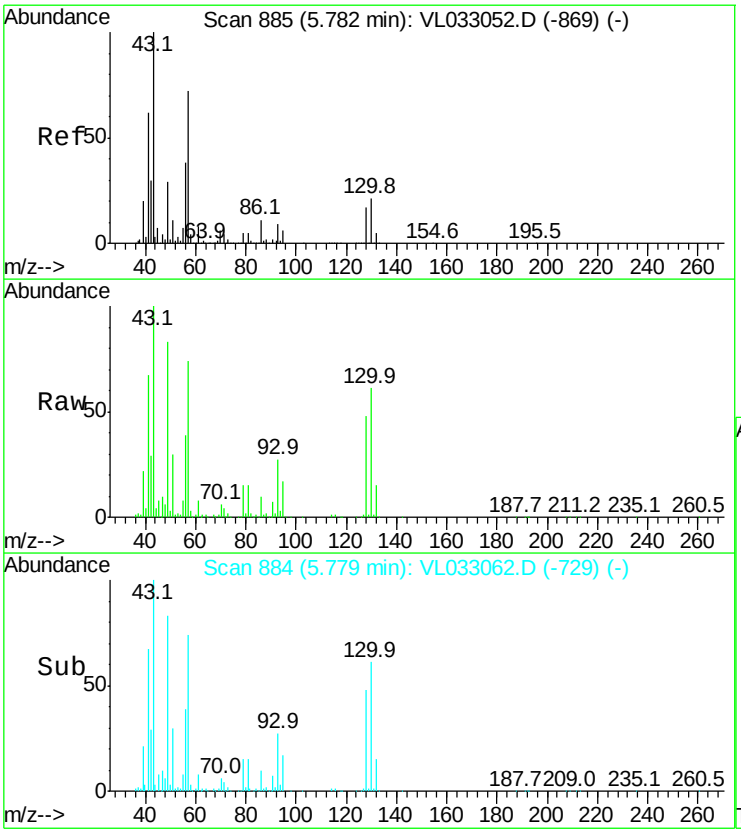
#25
Ethyl Acetate
Concen: 2.199 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 777239

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.8	7.8	11.8
70	7.4	6.0	9.0

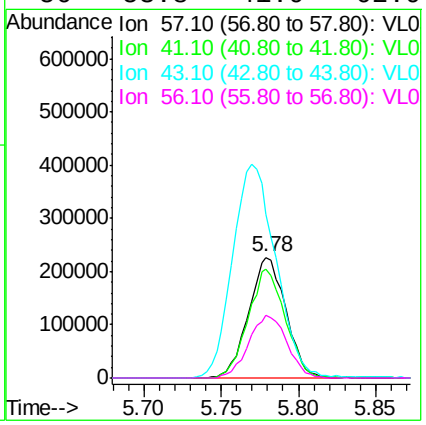


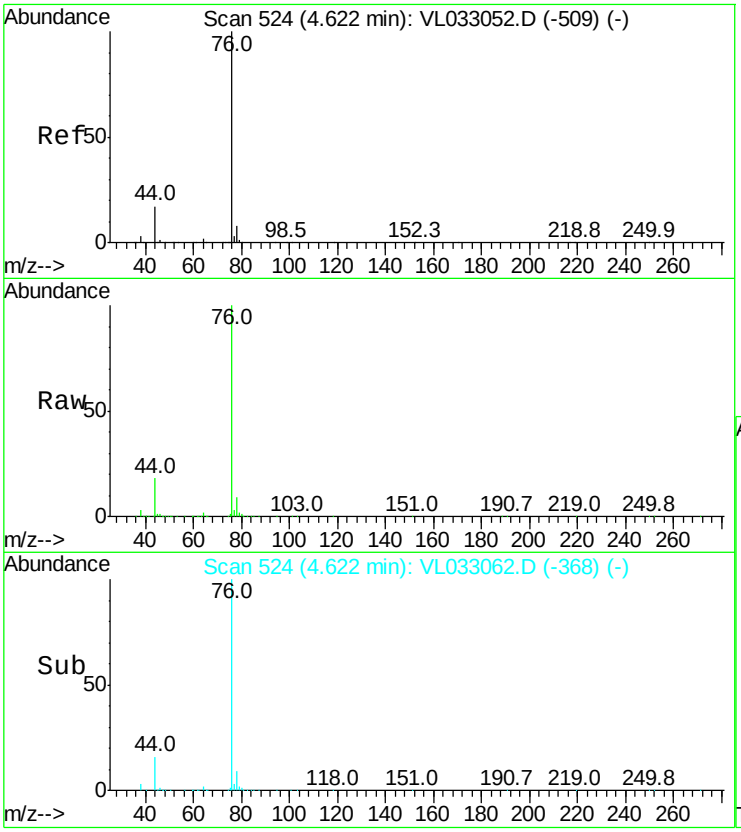


#26
Hexane
Concen: 2.256 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 57 Resp: 378028

Ion	Ratio	Lower	Upper
57	100		
41	90.8	70.8	106.2
43	208.1	171.8	257.6
56	53.8	41.9	62.9



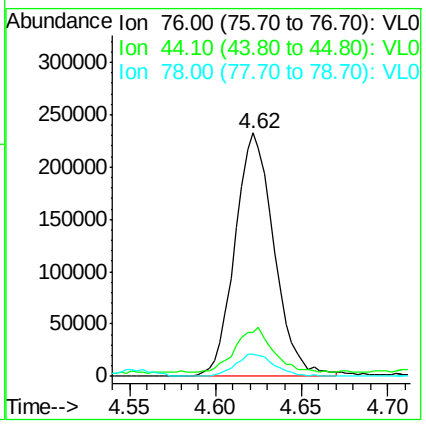


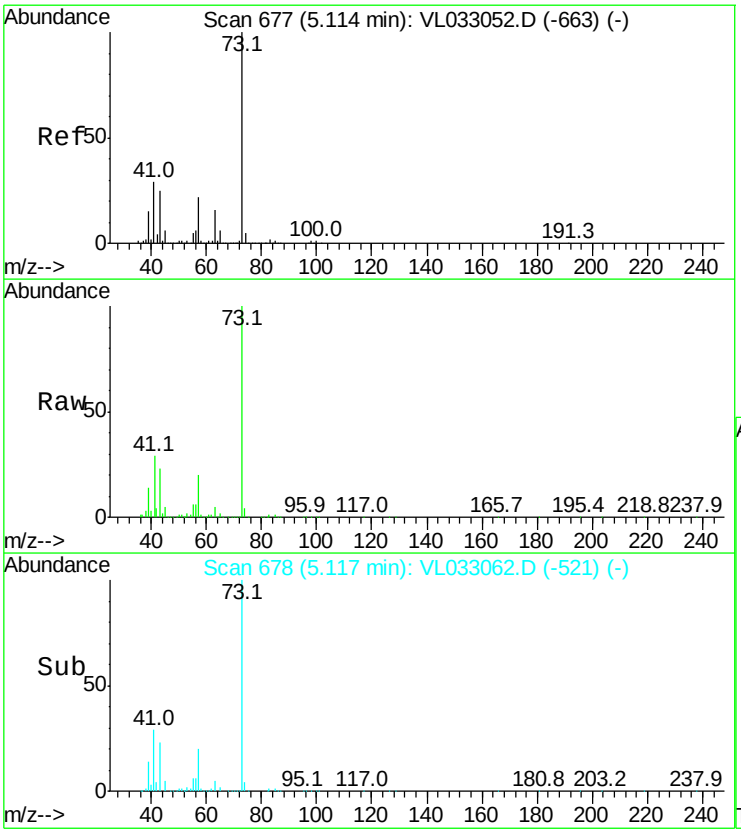
#27
Carbon Disulfide
Concen: 1.755 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 76 Resp: 367587

Ion	Ratio	Lower	Upper
76	100		
44	19.3	13.9	20.9
78	9.1	7.3	10.9

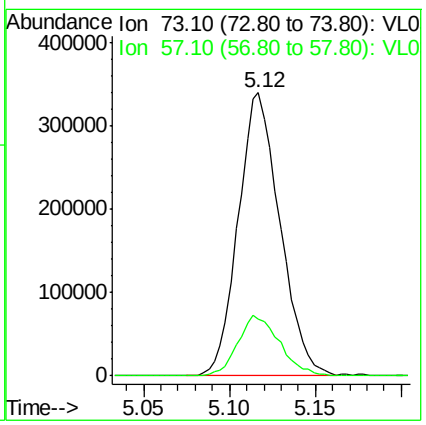


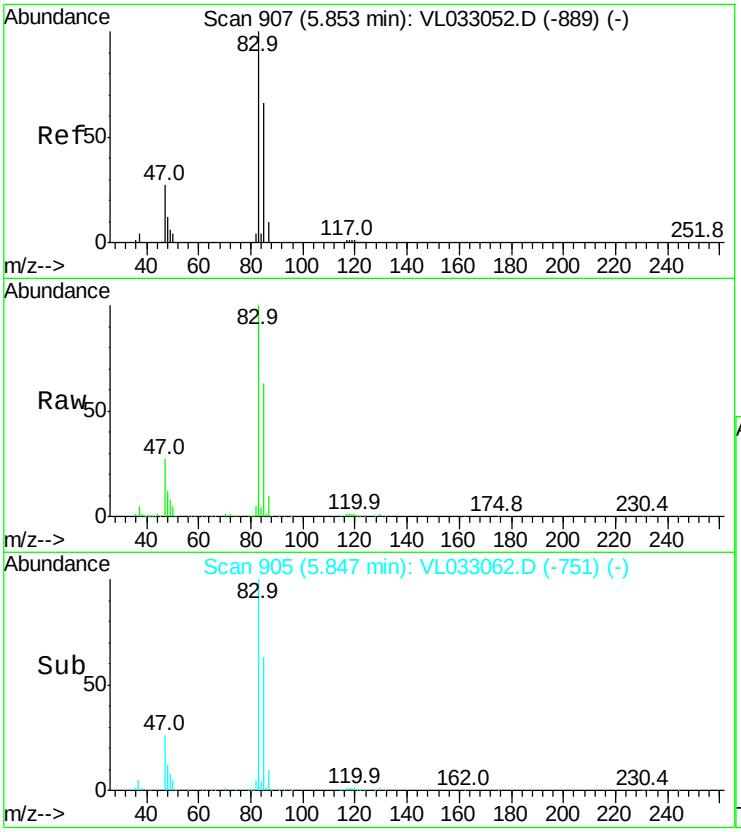


#28
Methyl tert-Butyl Ether
Concen: 2.177 ppbv
RT: 5.12 min Scan# 678
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 73 Resp: 571296

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.5	26.3



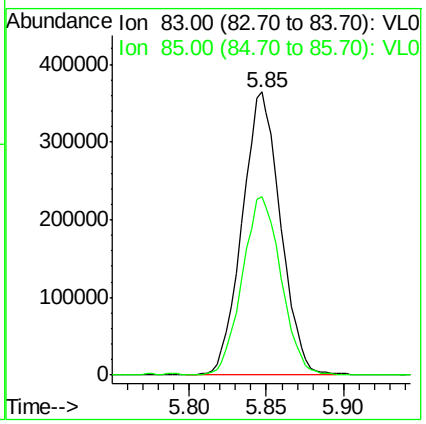


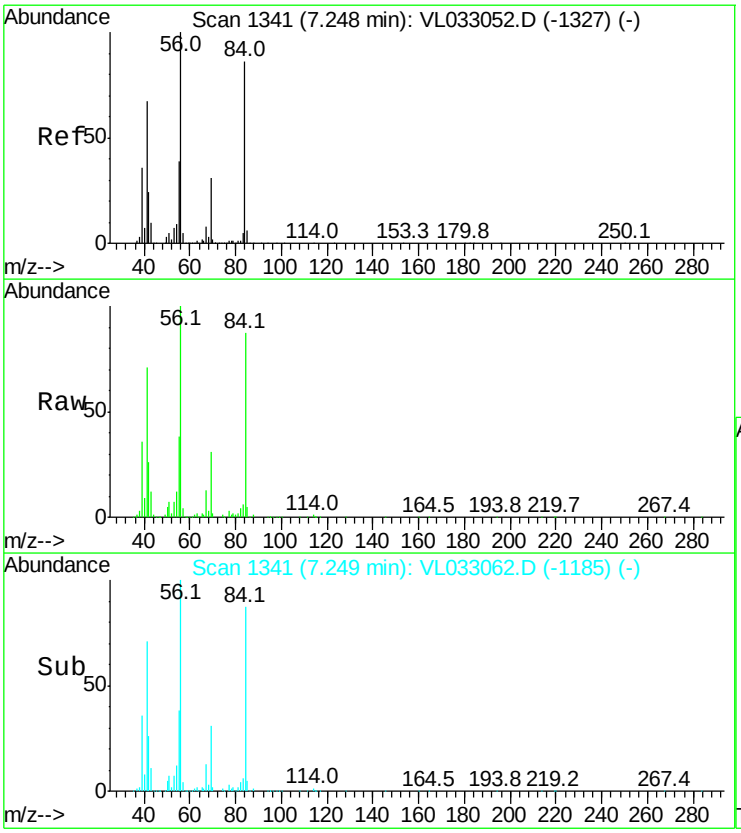
#29
Chloroform
Concen: 2.264 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 628957

Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.5	78.7

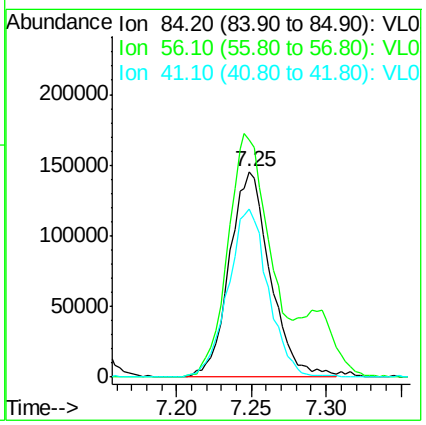


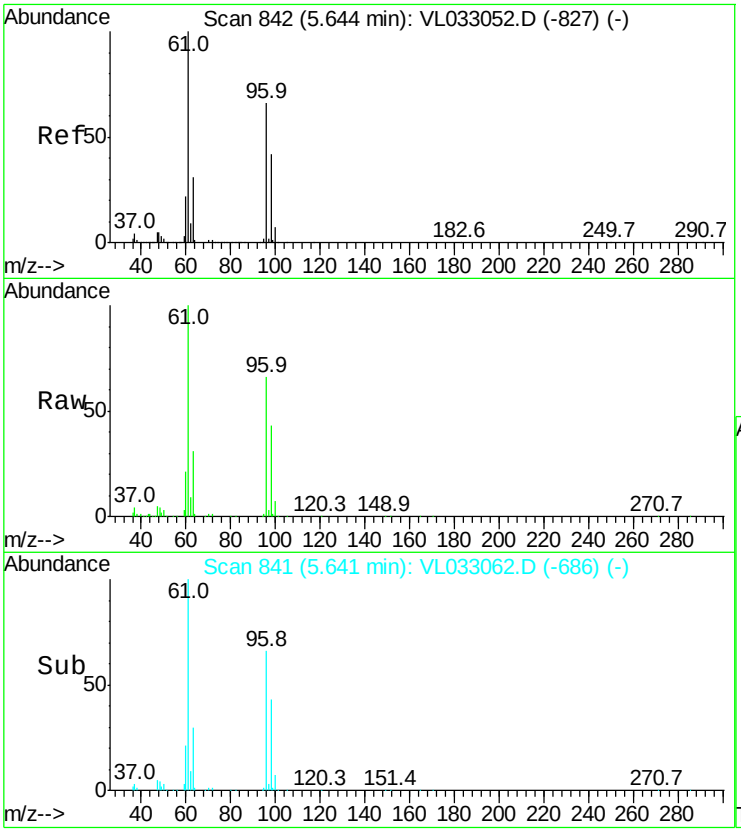


#30
Cyclohexane
Concen: 2.192 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 84 Resp: 275822

Ion	Ratio	Lower	Upper
84	100		
56	150.3	101.8	152.6
41	80.5	63.2	94.8



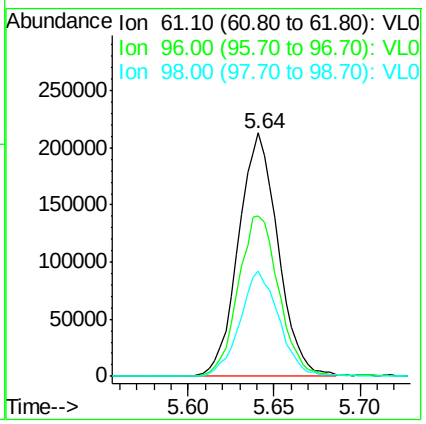


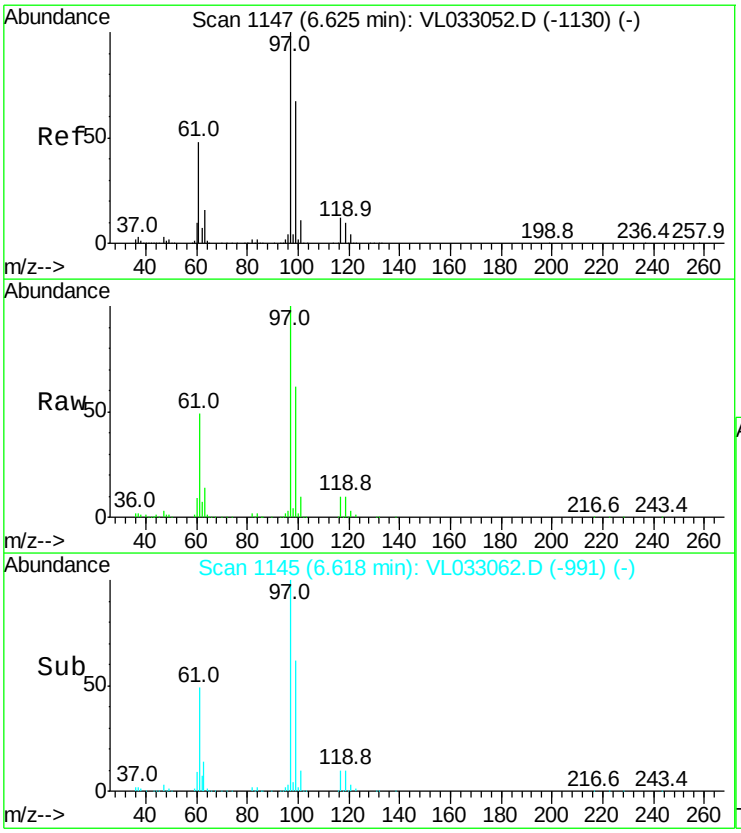
#31
cis-1,2-Dichloroethene
Concen: 2.189 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 339755

Ion	Ratio	Lower	Upper
61	100		
96	66.1	52.8	79.2
98	43.4	33.8	50.6

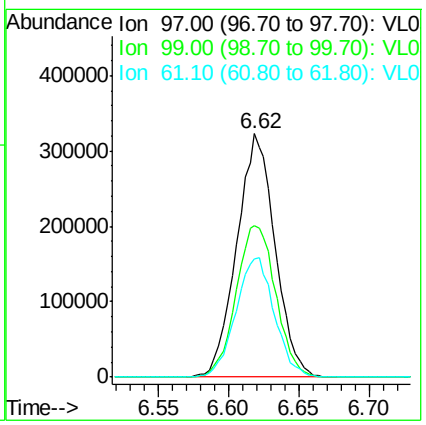


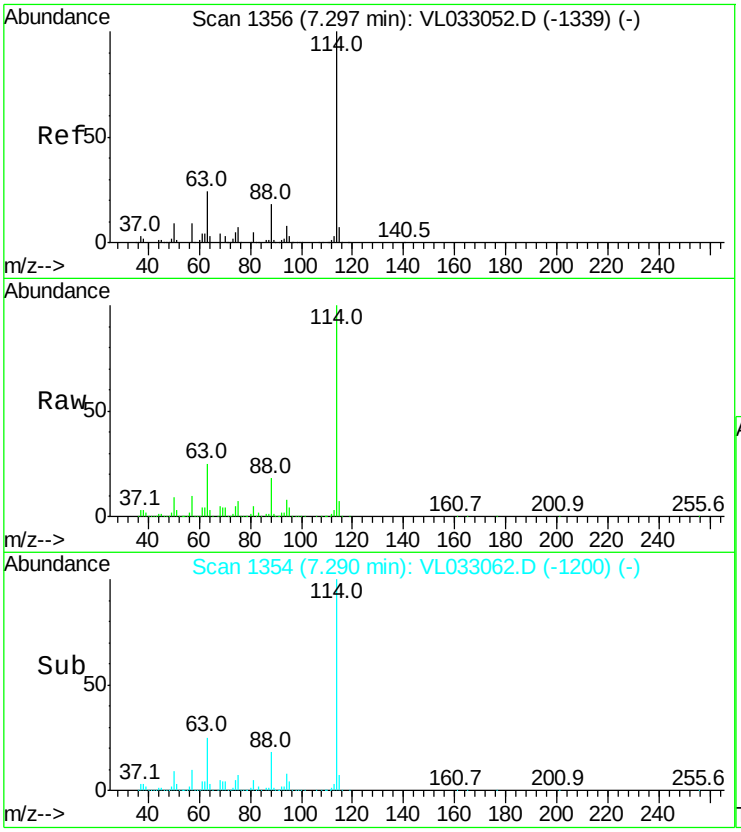


#32
1,1,1-Trichloroethane
Concen: 2.092 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 97 Resp: 613304

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.1	76.7
61	49.8	38.3	57.5



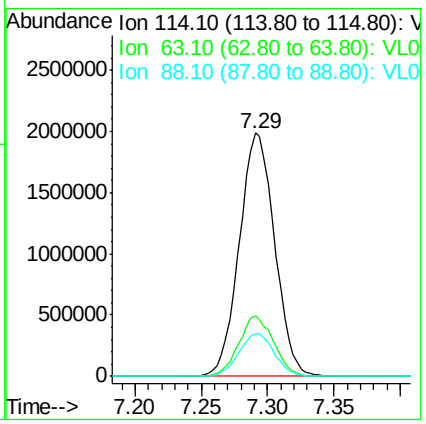


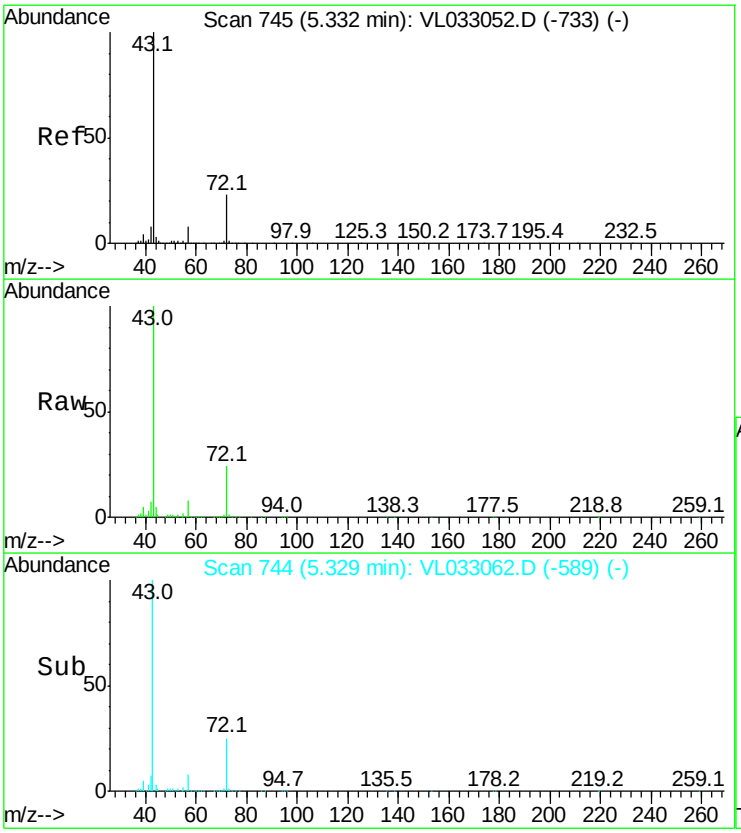
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 3682830

Ion	Ratio	Lower	Upper
114	100		
63	24.8	20.1	30.1
88	17.6	14.0	21.0

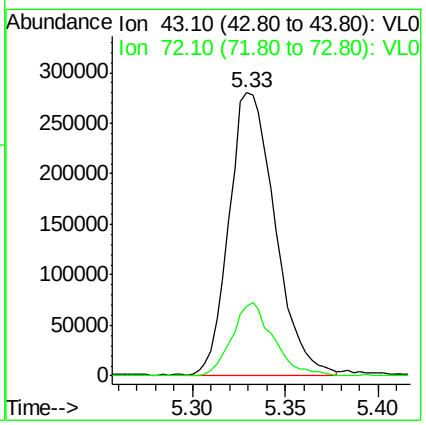


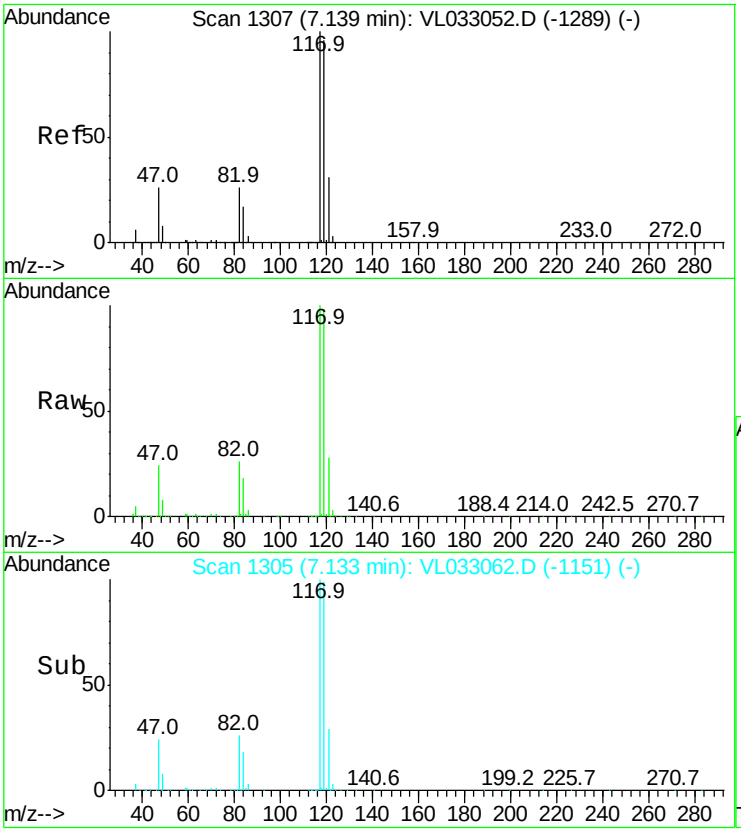


#34
2-Butanone
Concen: 2.240 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 43 Resp: 481553

Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.9	28.3



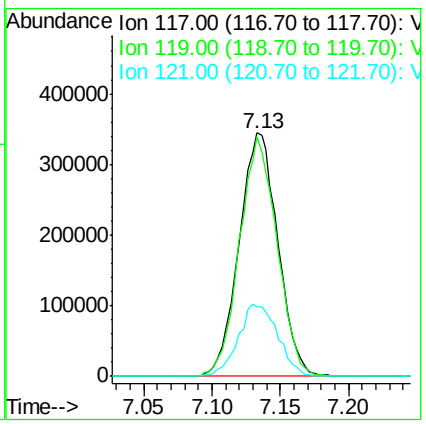


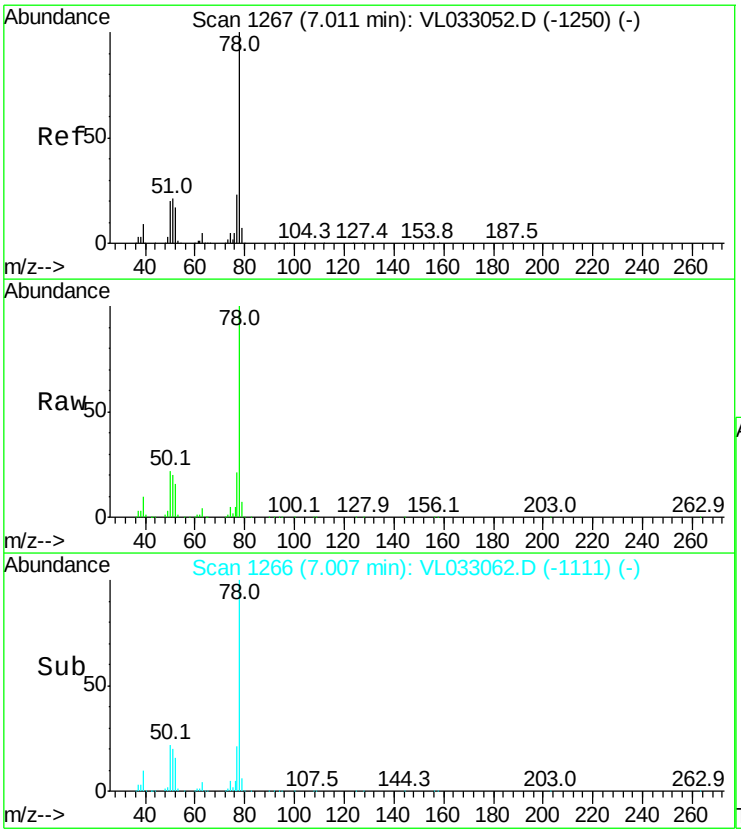
#35
Carbon Tetrachloride
Concen: 2.134 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:117 Resp: 678470

Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.5	114.7
121	28.4	25.2	37.8

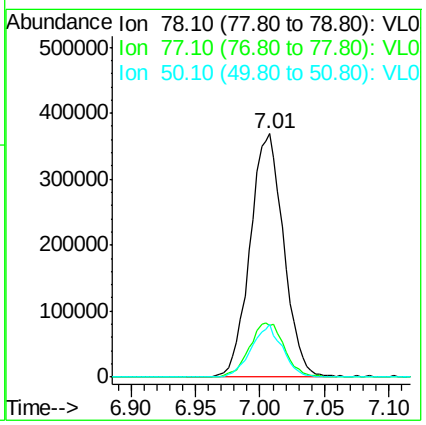


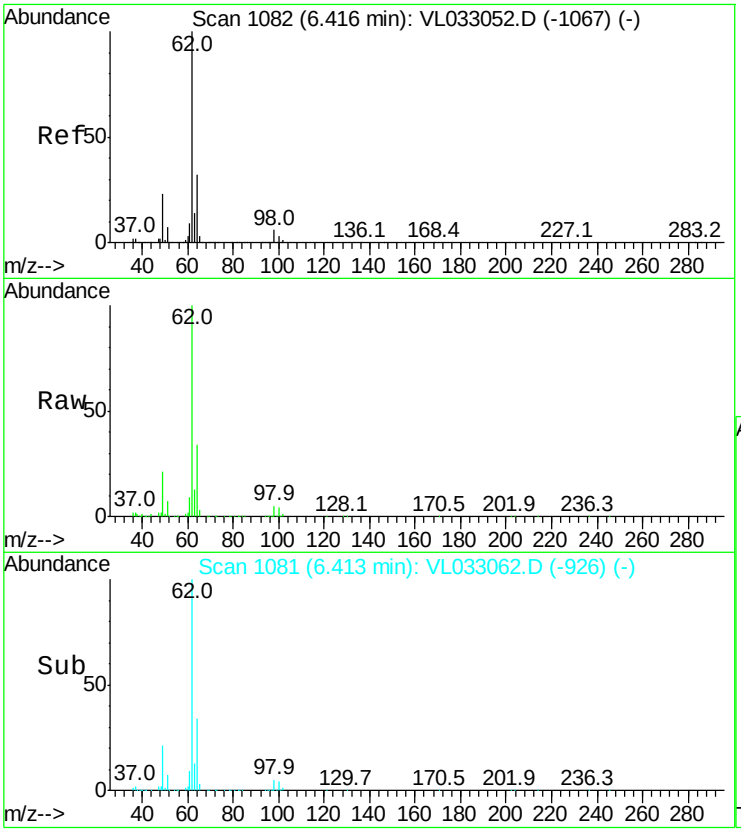


#36
Benzene
Concen: 2.205 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 78 Resp: 668184

Ion	Ratio	Lower	Upper
78	100		
77	21.3	18.5	27.7
50	21.9	15.7	23.5



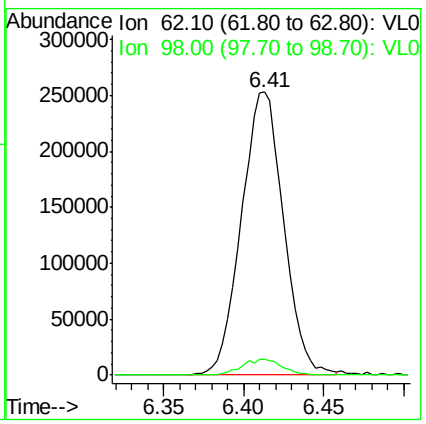


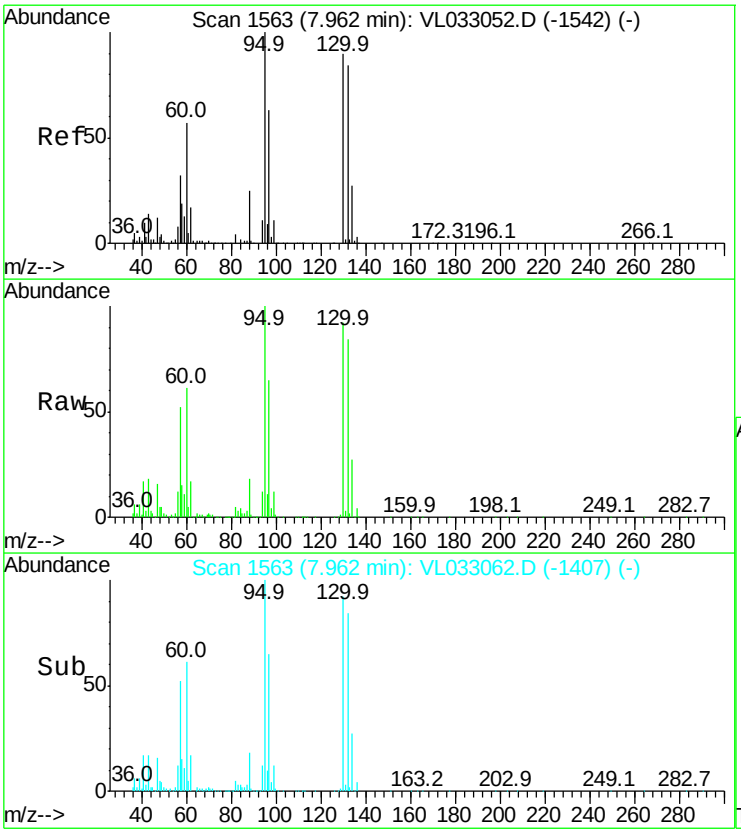
#37
1,2-Dichloroethane
Concen: 2.217 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. -0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 62 Resp: 456982

Ion	Ratio	Lower	Upper
62	100		
98	5.4	4.6	7.0

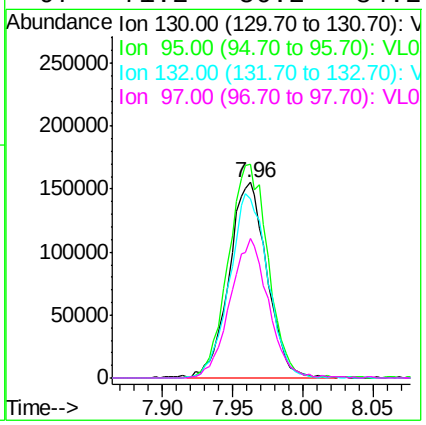


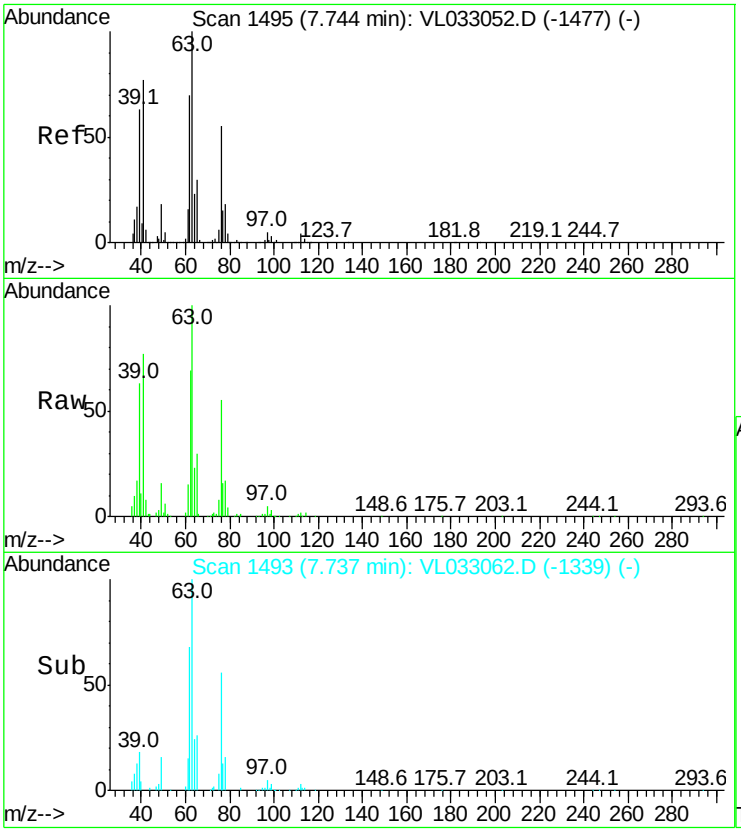


#38
Trichloroethene
Concen: 2.287 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion:130 Resp: 289459

Ion	Ratio	Lower	Upper
130	100		
95	108.7	88.6	132.8
132	91.6	74.2	111.2
97	71.2	56.2	84.2



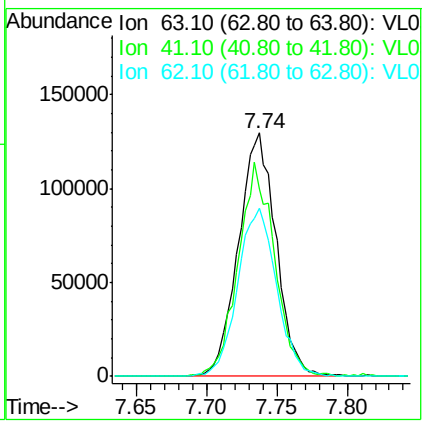


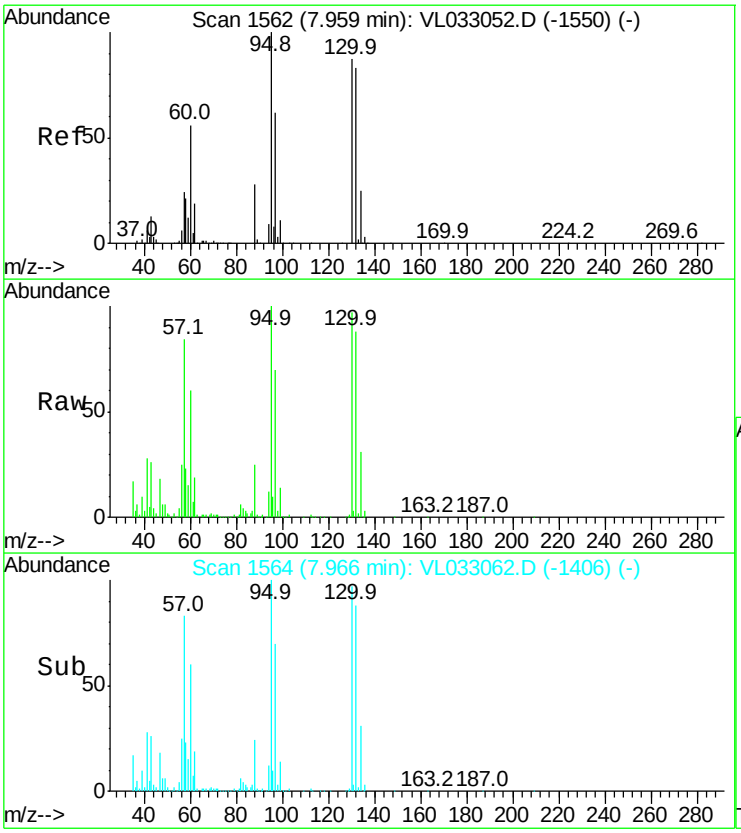
#39
1,2-Dichloropropane
Concen: 2.132 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 63 Resp: 242381

Ion	Ratio	Lower	Upper
63	100		
41	77.1	61.9	92.9
62	68.8	55.8	83.6

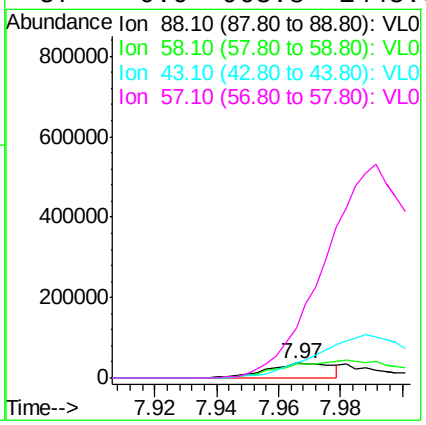


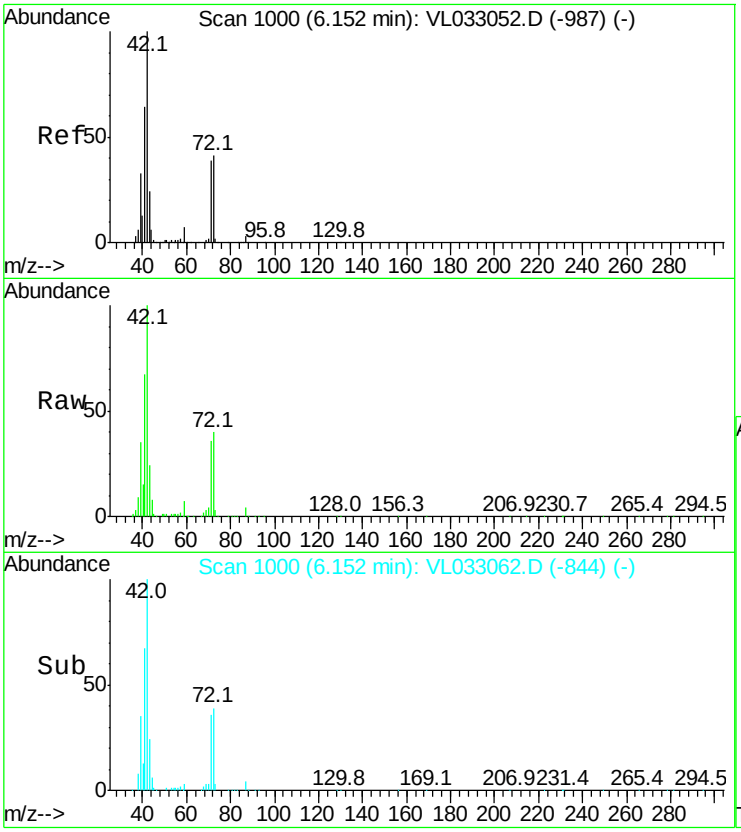


#40
1,4-Dioxane
Concen: 1.282 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 88 Resp: 55296

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#



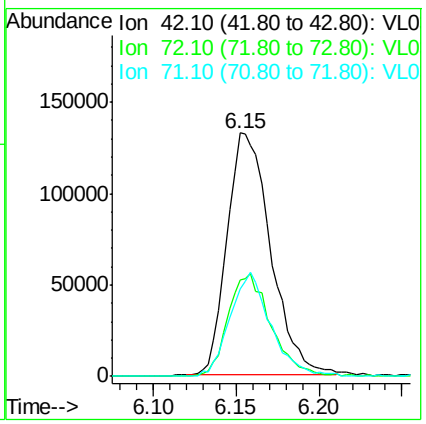


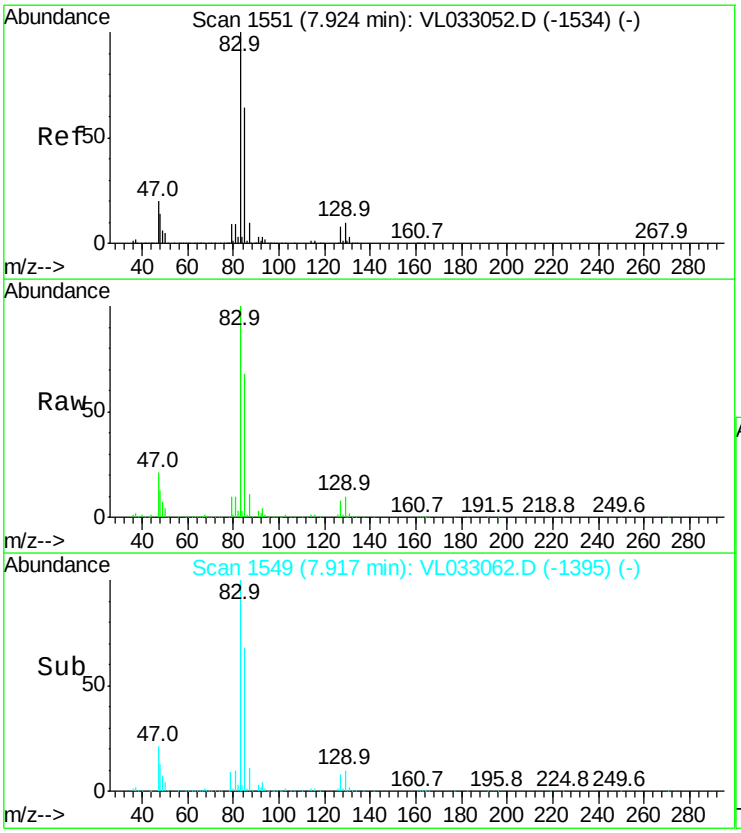
#41
Tetrahydrofuran
Concen: 2.217 ppbv
RT: 6.15 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 42 Resp: 243052

Ion	Ratio	Lower	Upper
42	100		
72	41.8	32.9	49.3
71	40.0	31.8	47.6

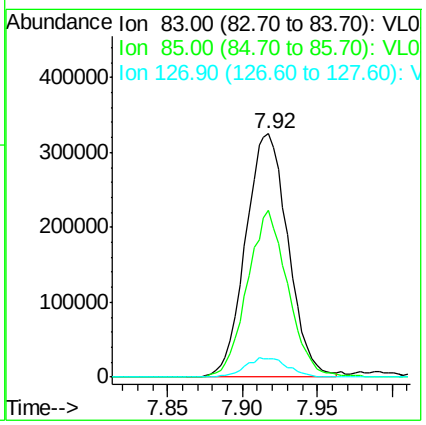


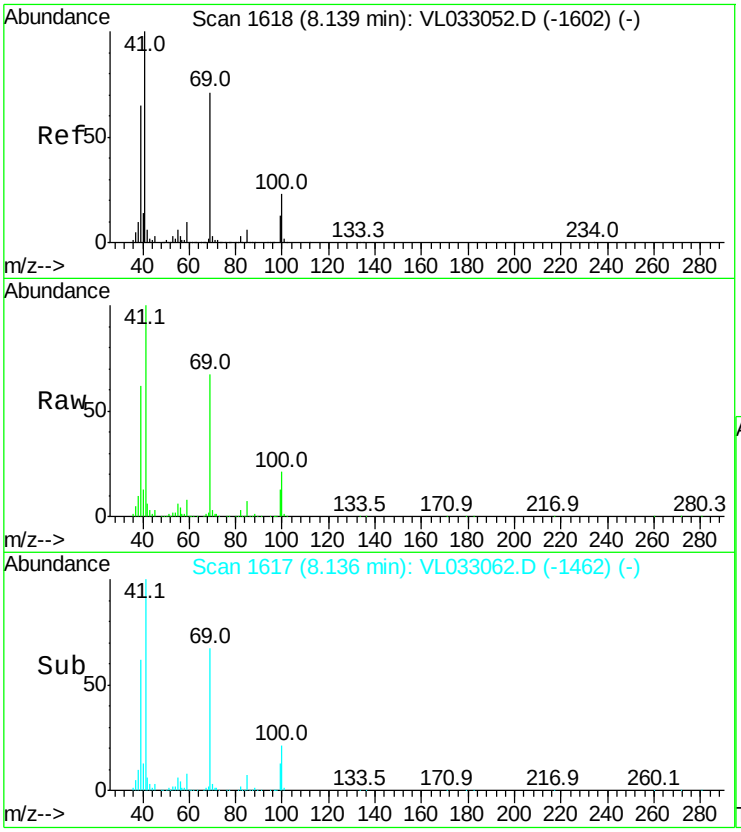


#42
Bromodichloromethane
Concen: 2.163 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 83 Resp: 641646

Ion	Ratio	Lower	Upper
83	100		
85	68.3	51.0	76.4
127	7.5	6.5	9.7



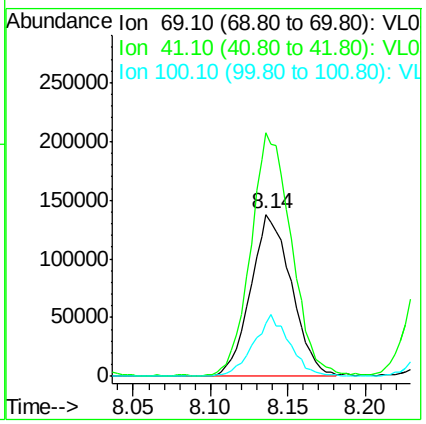


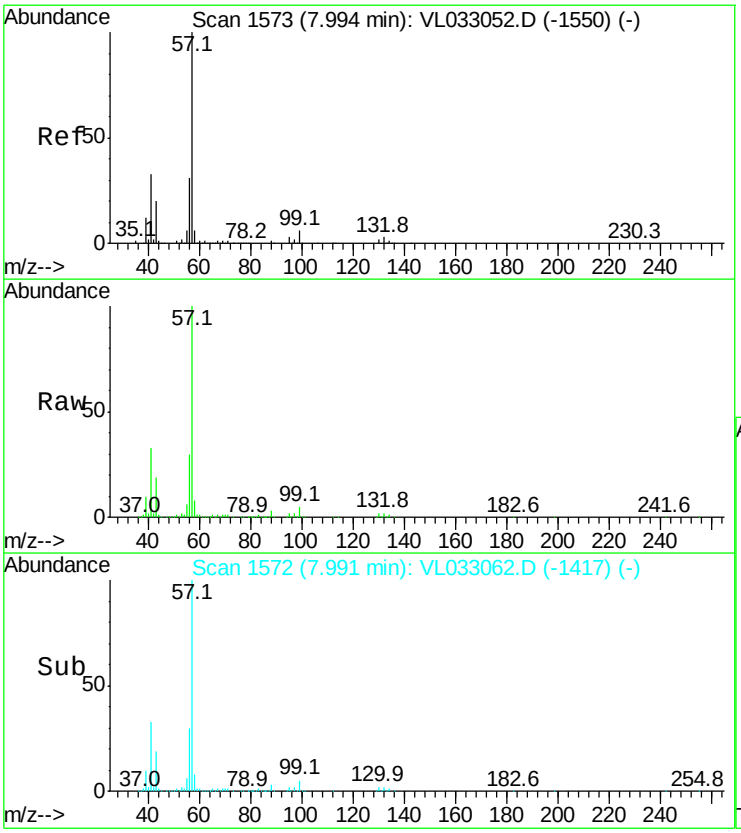
#43
Methyl Methacrylate
Concen: 2.242 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 69 Resp: 253266

Ion	Ratio	Lower	Upper
69	100		
41	149.5	114.0	171.0
100	33.5	26.3	39.5

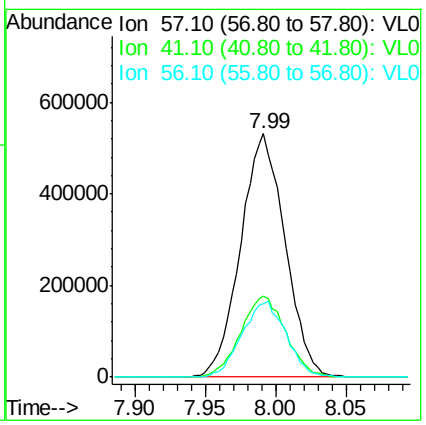


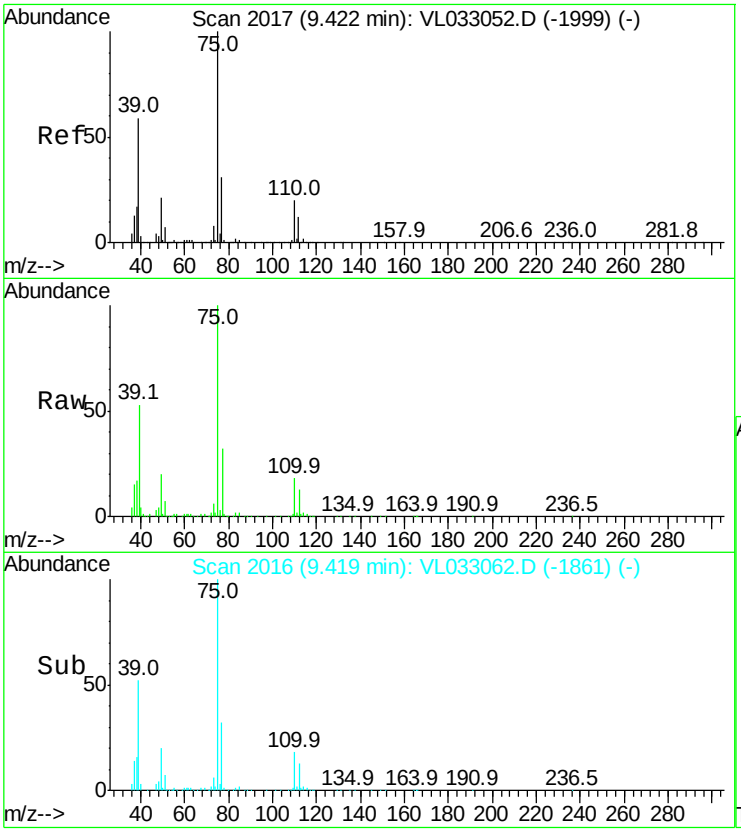


#44
2,2,4-Trimethylpentane
Concen: 2.175 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 57 Resp: 1167088

Ion	Ratio	Lower	Upper
57	100		
41	33.6	26.2	39.2
56	31.0	24.9	37.3



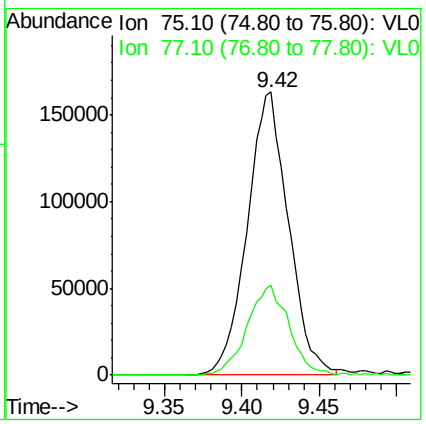


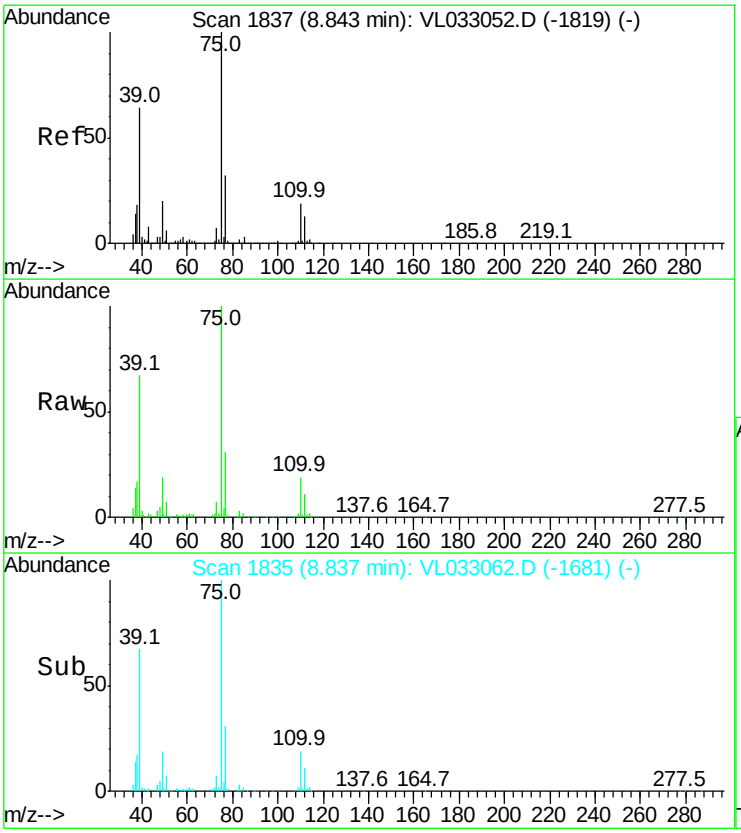
#45
t-1,3-Dichloropropene
Concen: 1.934 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 75 Resp: 301916

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.8	37.2

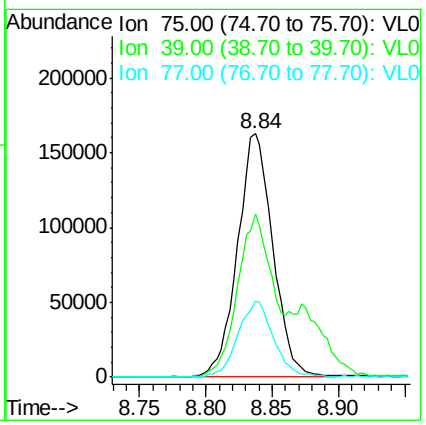


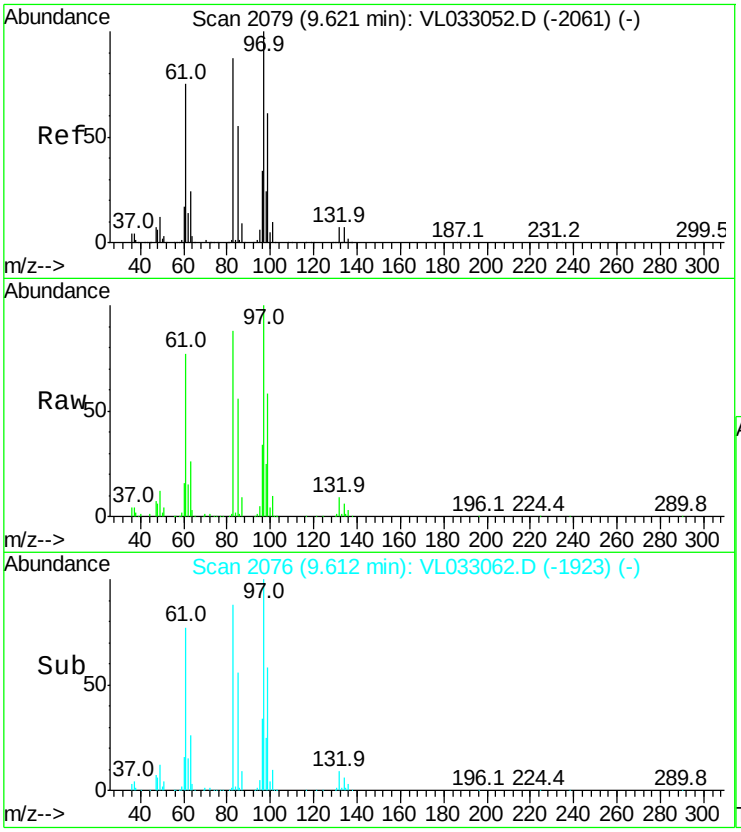


#46
cis-1,3-Dichloropropene
Concen: 1.784 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 75 Resp: 302819

Ion	Ratio	Lower	Upper
75	100		
39	66.7	51.3	76.9
77	31.3	25.5	38.3



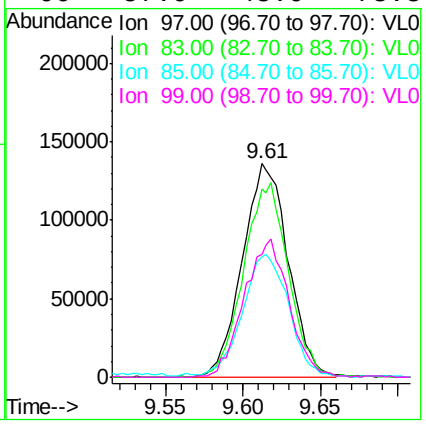


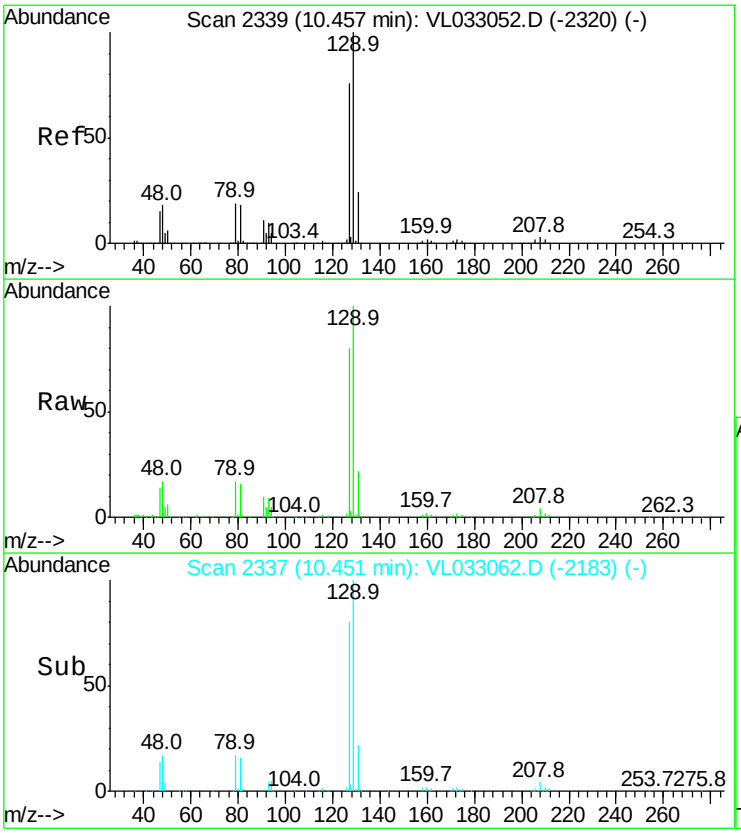
#47
1,1,2-Trichloroethane
Concen: 2.036 ppbv
RT: 9.61 min Scan# 2076
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 97 Resp: 279445

Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.4	104.2
85	55.6	44.2	66.2
99	57.9	48.9	73.3

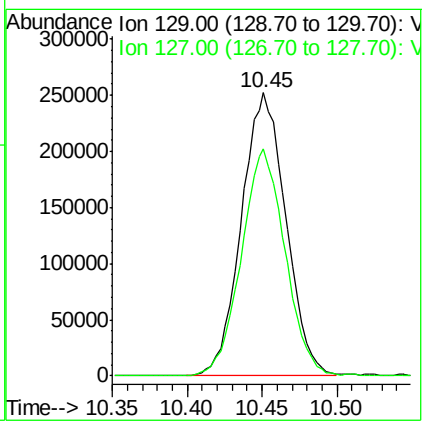


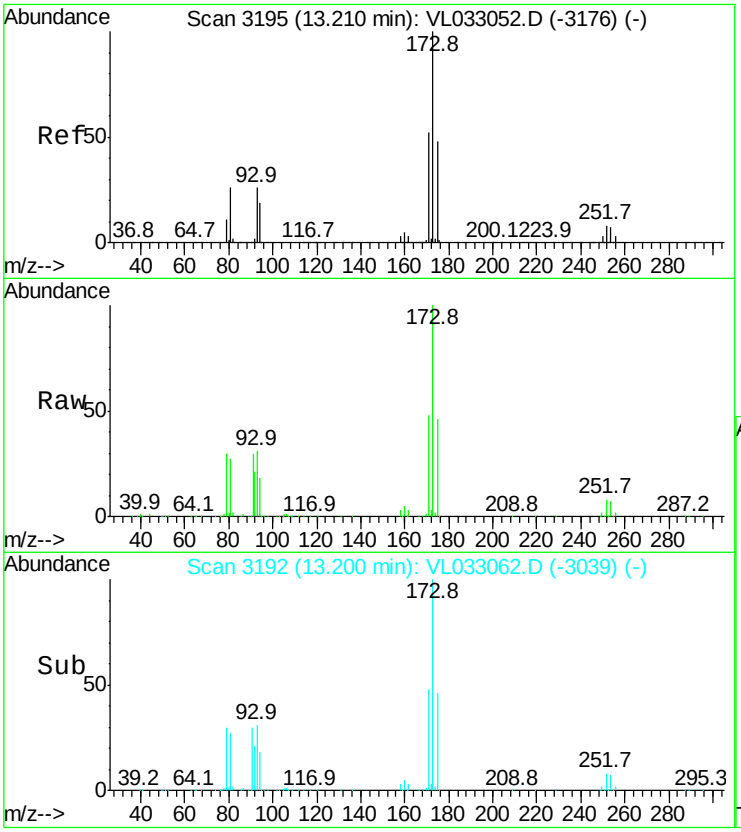


#48
Dibromochloromethane
Concen: 2.290 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion:129 Resp: 521194

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.1	117.3



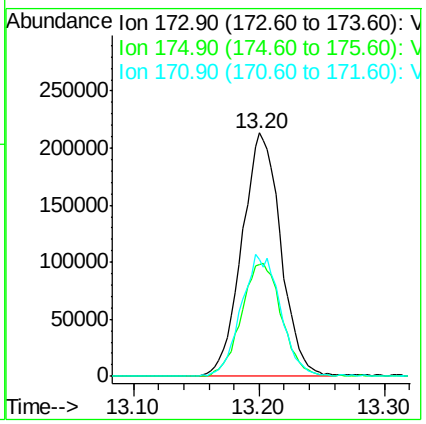


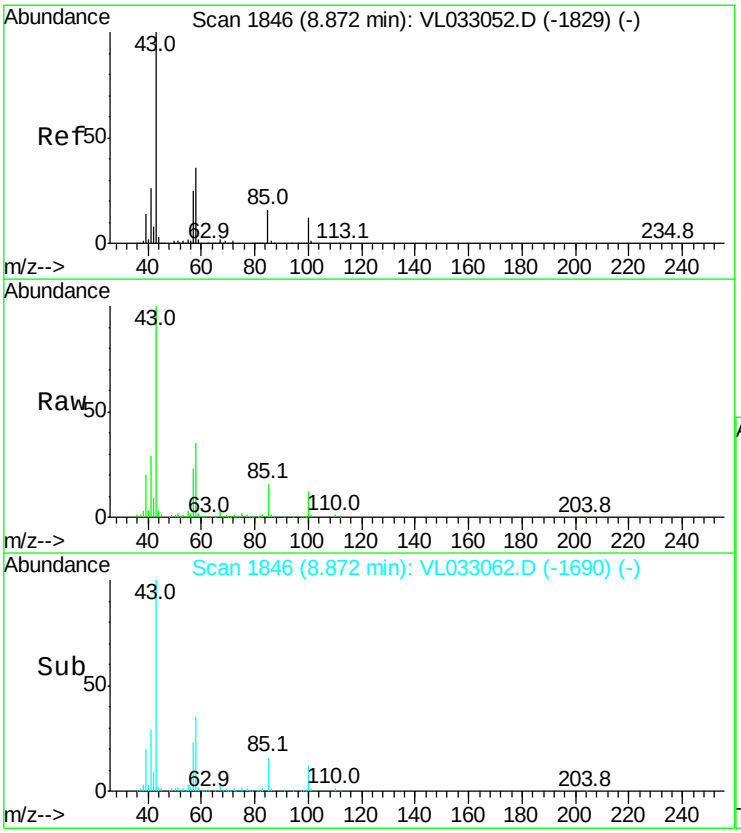
#49
Bromoform
Concen: 2.188 ppbv
RT: 13.20 min Scan# 3192
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:173 Resp: 458891

Ion	Ratio	Lower	Upper
173	100		
175	48.0	39.4	59.2
171	51.2	42.1	63.1

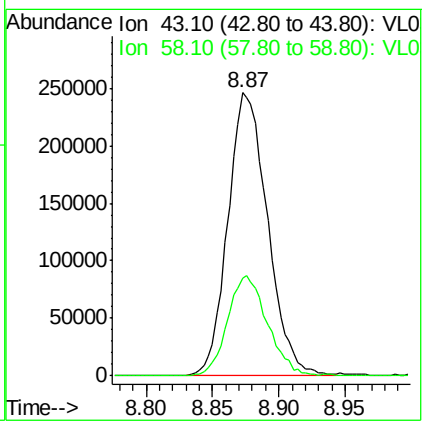


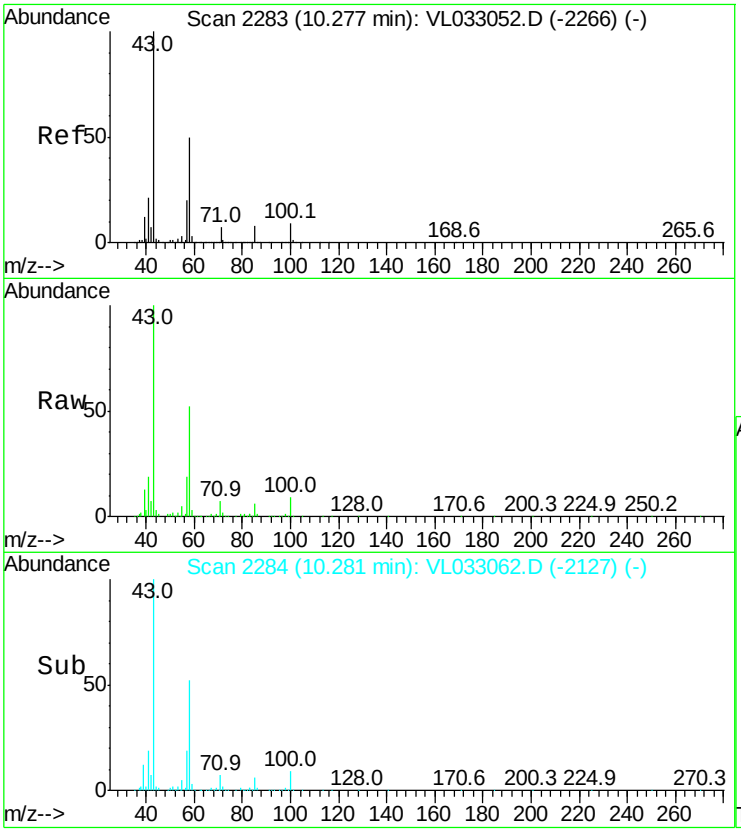


#50
4-Methyl-2-Pentanone
Concen: 1.768 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 43 Resp: 511021

Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.9	43.3



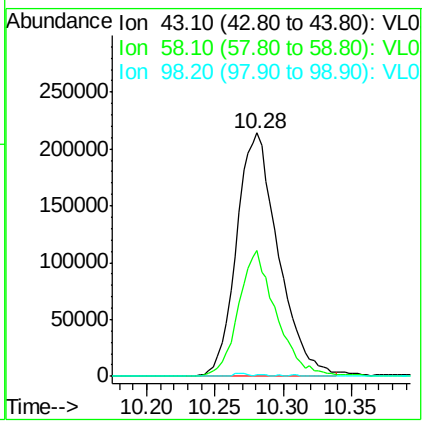


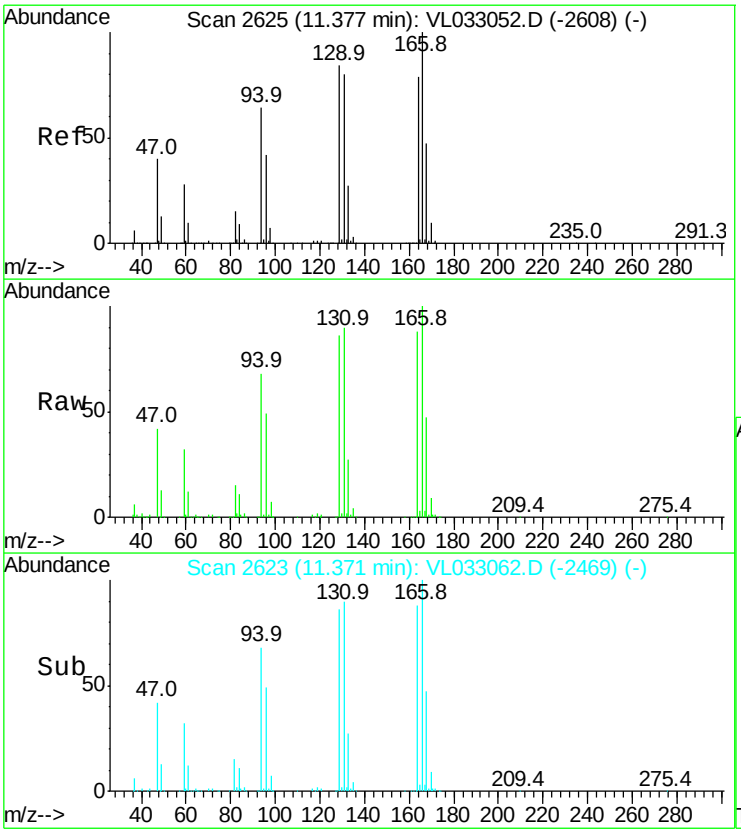
#51
2-Hexanone
Concen: 2.328 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 454735

Ion	Ratio	Lower	Upper
43	100		
58	47.3	39.0	58.6
98	0.9	0.4	0.6#

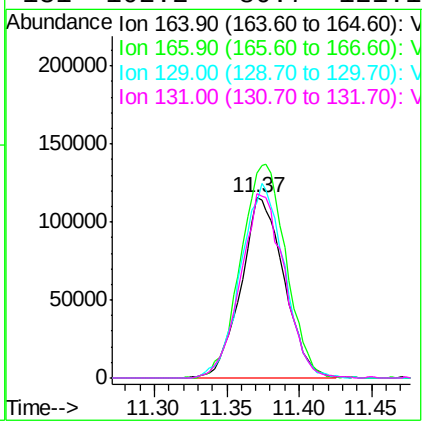


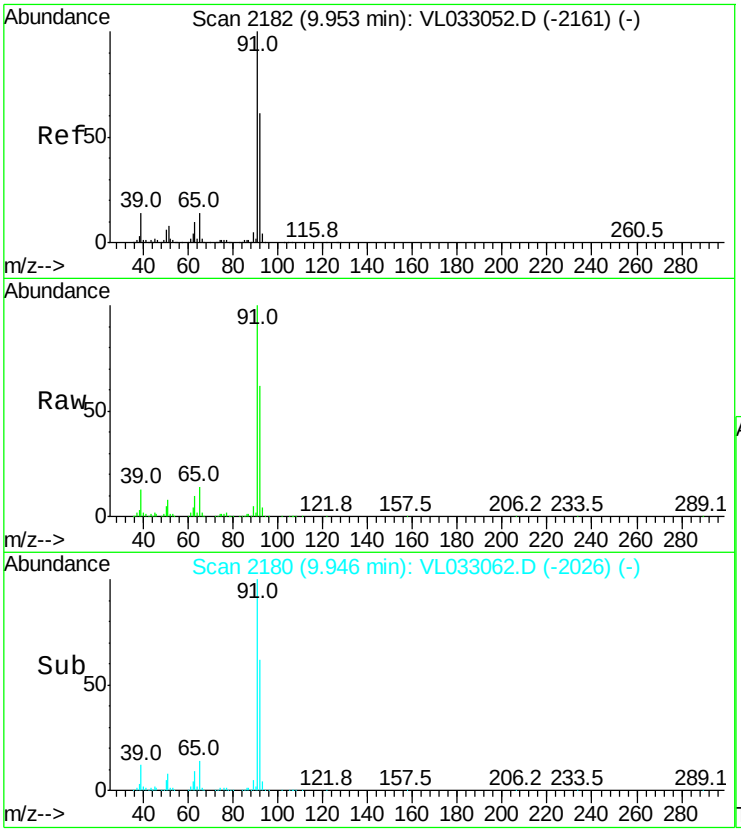


#52
Tetrachloroethene
Concen: 2.170 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion:164 Resp: 237998

Ion	Ratio	Lower	Upper
164	100		
166	113.1	100.8	151.2
129	97.0	84.6	126.8
131	102.2	80.7	121.1



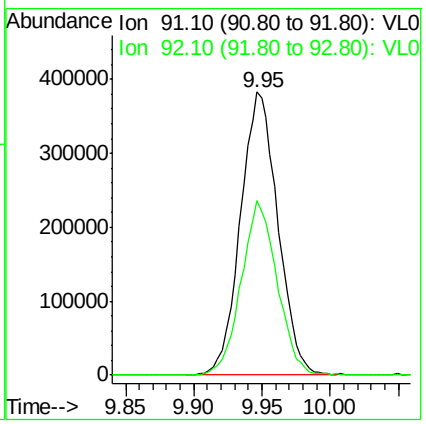


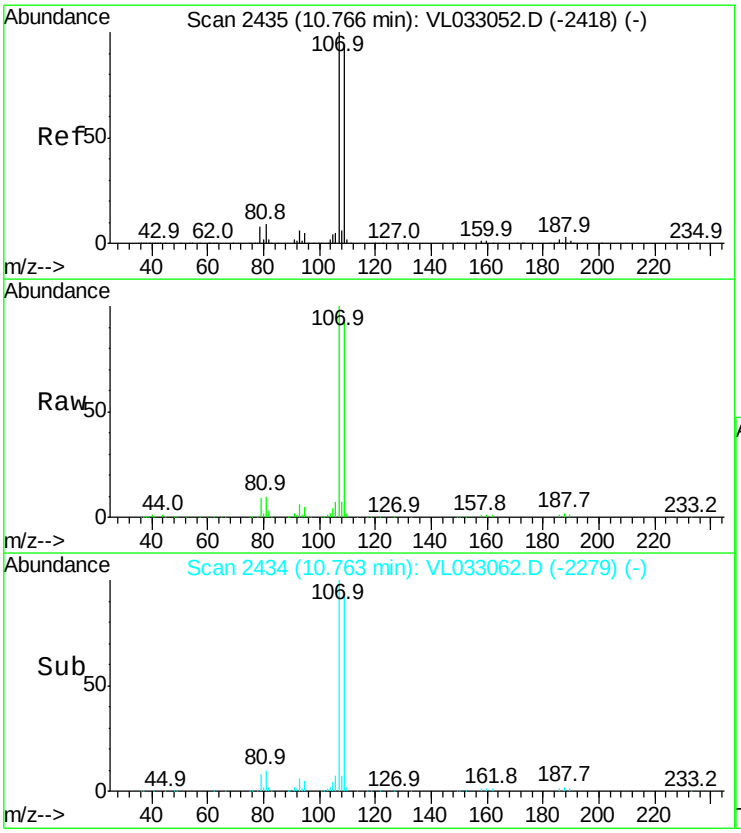
#53
Toluene
Concen: 2.330 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 726700

Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.7	71.5

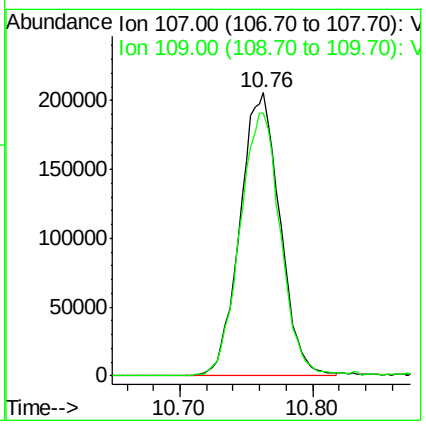


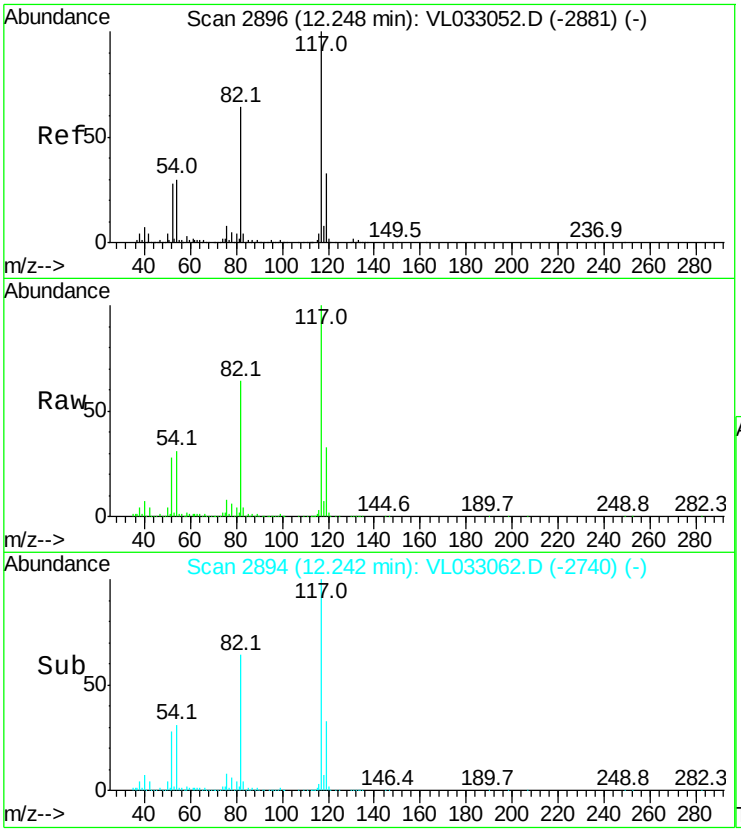


#54
1,2-Dibromoethane
Concen: 2.160 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. -0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion:107 Resp: 430551

Ion	Ratio	Lower	Upper
107	100		
109	92.7	74.9	112.3



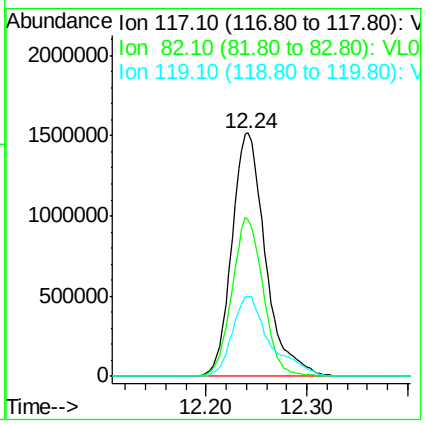


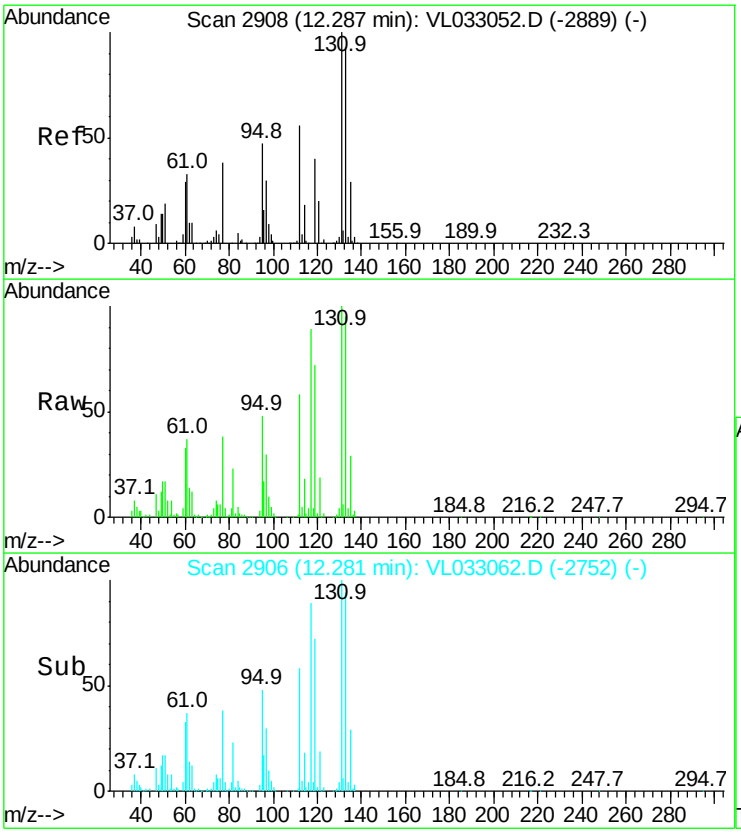
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 3507744

Ion	Ratio	Lower	Upper
117	100		
82	60.7	48.9	73.3
119	37.0	24.6	37.0#

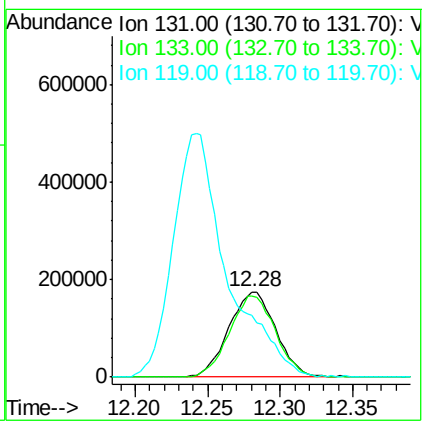


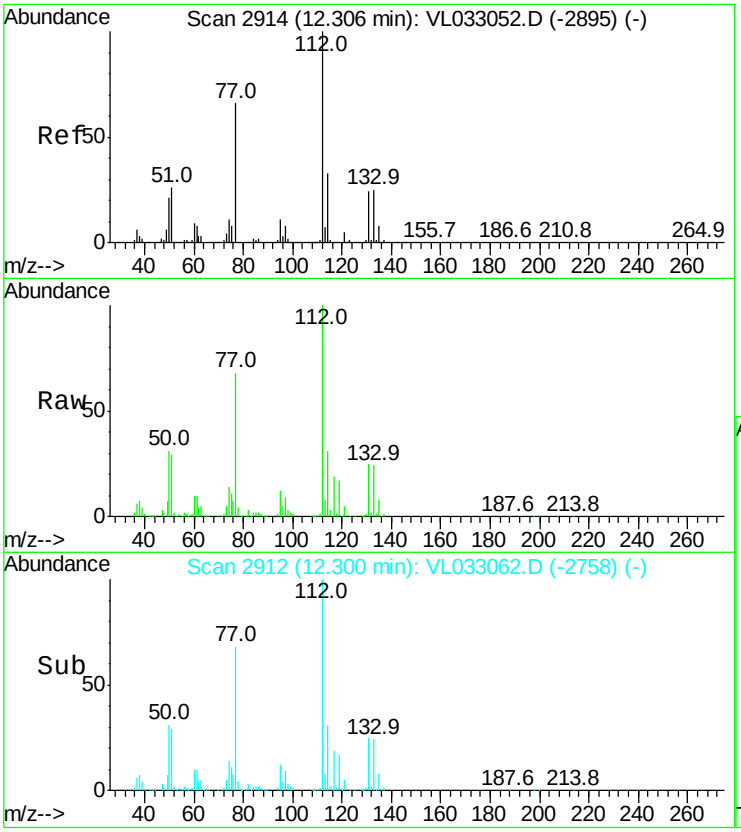


#56
1,1,1,2-Tetrachloroethane
Concen: 2.213 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion:131 Resp: 392821

Ion	Ratio	Lower	Upper
131	100		
133	94.0	76.0	114.0
119	330.9	44.2	66.2#



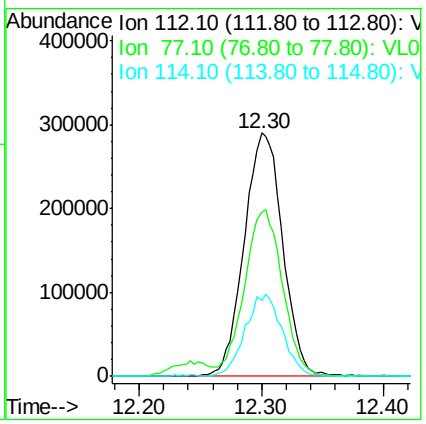


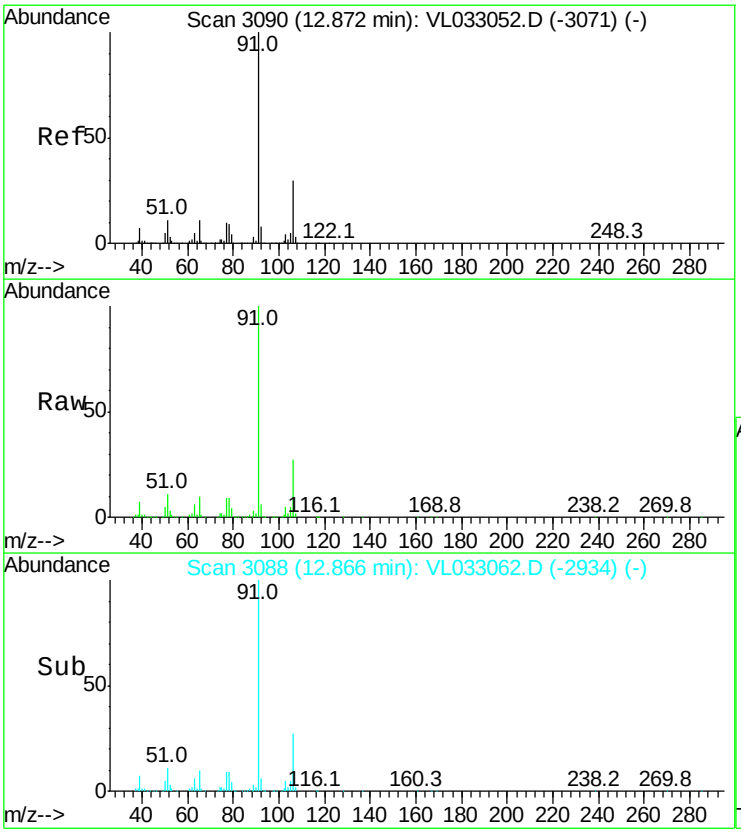
#57
Chlorobenzene
Concen: 2.217 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:112 Resp: 630423

Ion	Ratio	Lower	Upper
112	100		
77	67.2	53.4	80.0
114	31.4	30.0	36.6

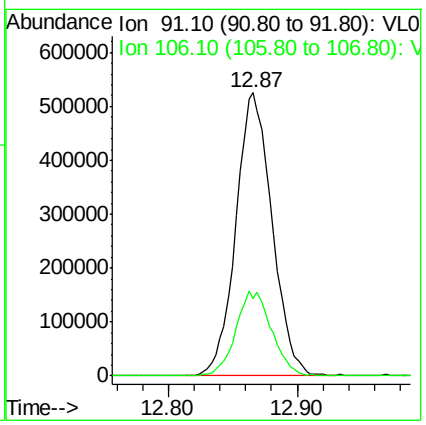


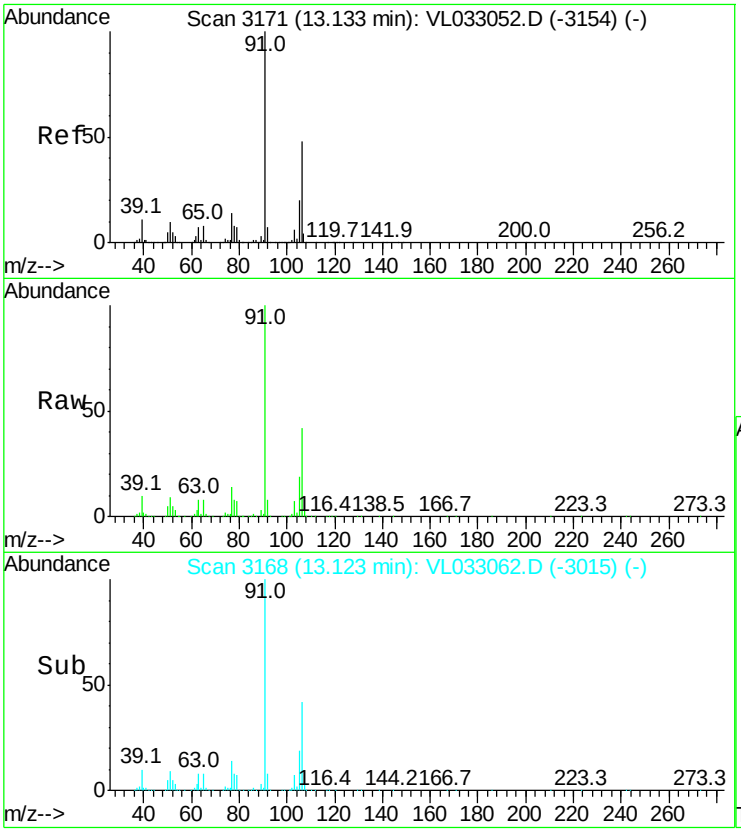


#58
Ethyl Benzene
Concen: 2.370 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 91 Resp: 1022753

Ion	Ratio	Lower	Upper
91	100		
106	27.4	24.3	36.5



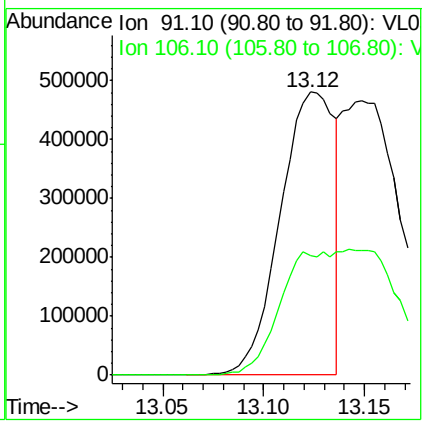


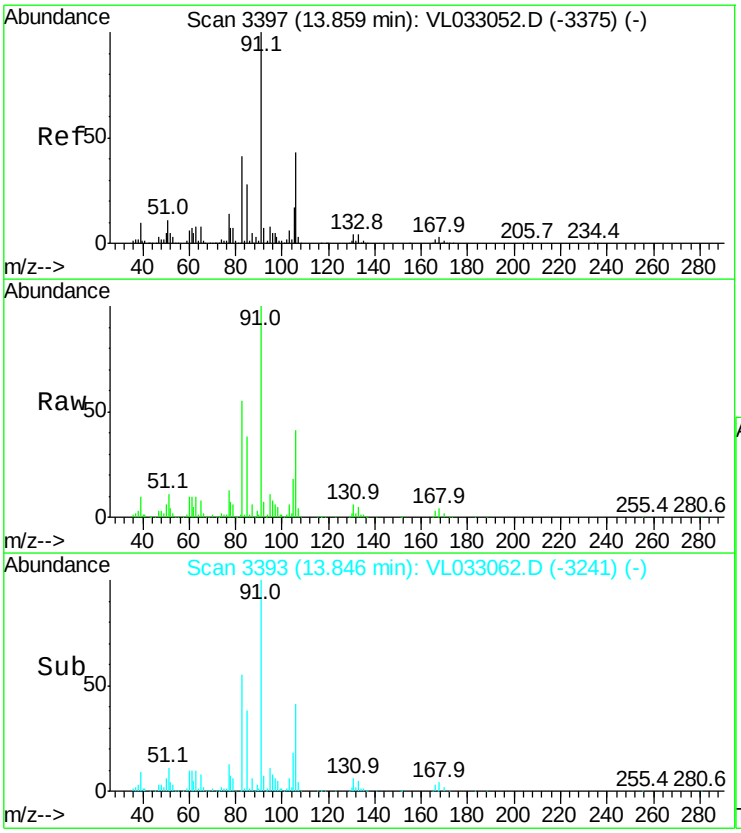
#59
m/p-Xylene
Concen: 2.225 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 891641

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

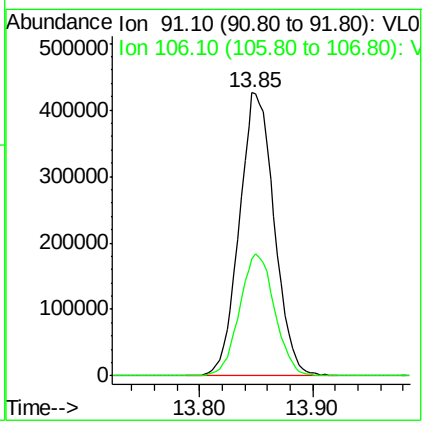


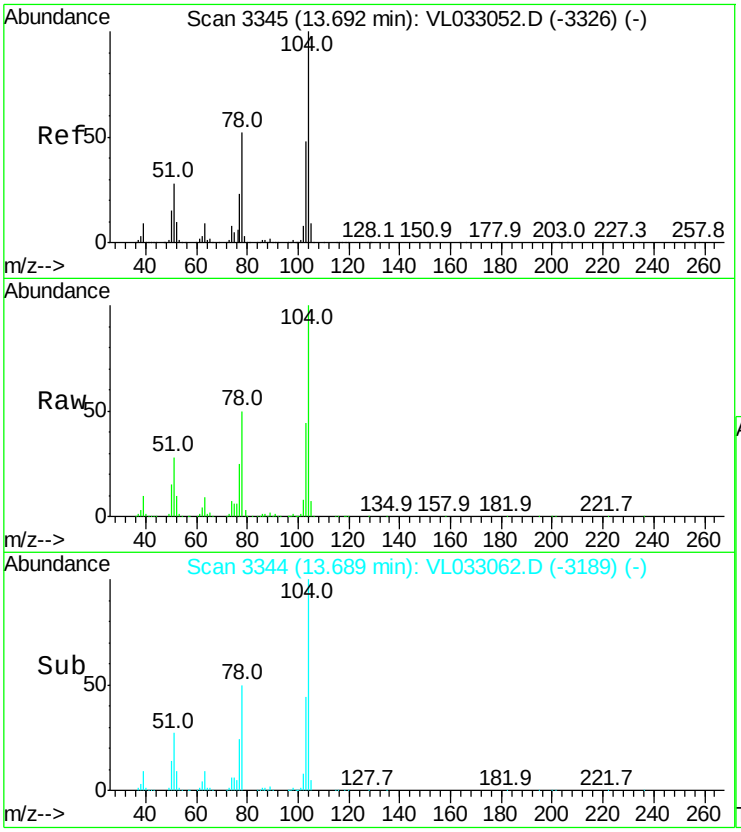


#60
o-Xylene
Concen: 2.327 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 91 Resp: 911721

Ion	Ratio	Lower	Upper
91	100		
106	43.5	22.1	66.5



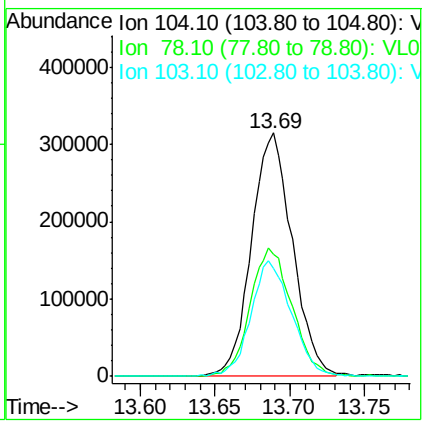


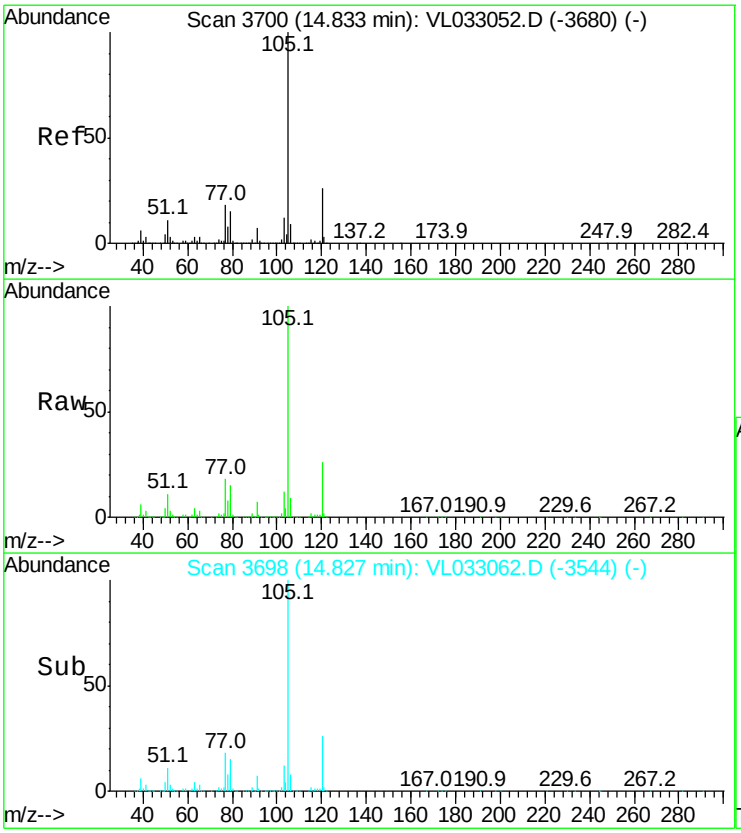
#61
Styrene
Concen: 2.371 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:104 Resp: 599037

Ion	Ratio	Lower	Upper
104	100		
78	53.9	41.6	62.4
103	47.4	38.1	57.1

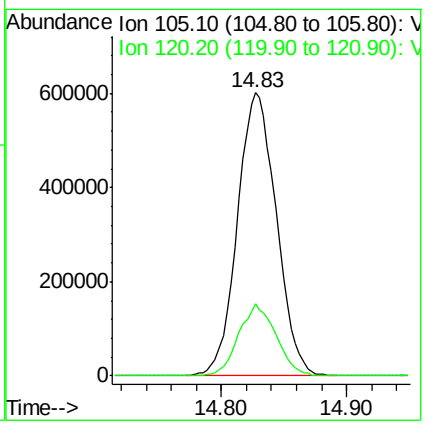


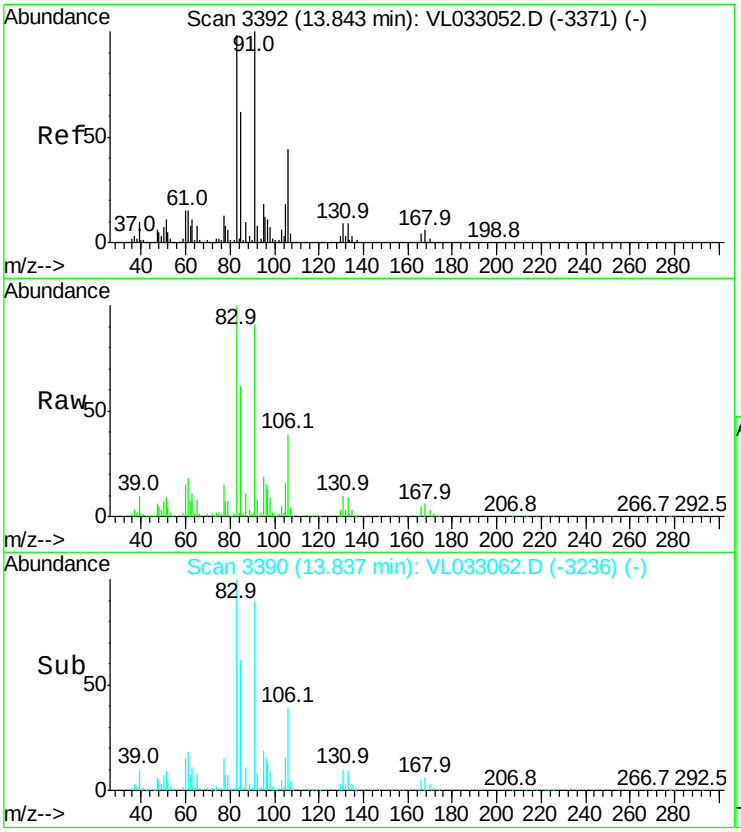


#62
Isopropylbenzene
Concen: 2.315 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion:105 Resp: 1295095

Ion	Ratio	Lower	Upper
105	100		
120	24.4	20.4	30.6



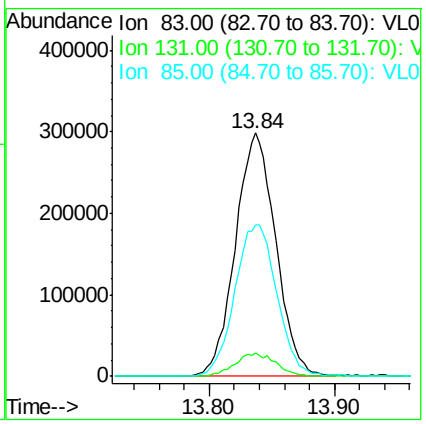


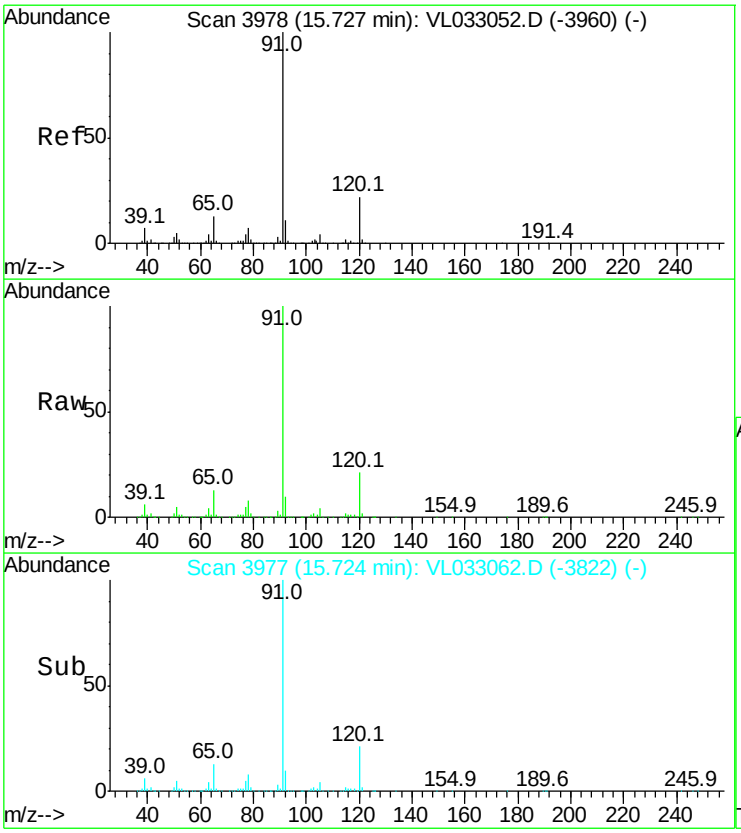
#63
1,1,2,2-Tetrachloroethane
Concen: 2.162 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 663077

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.4
85	65.8	32.6	97.8

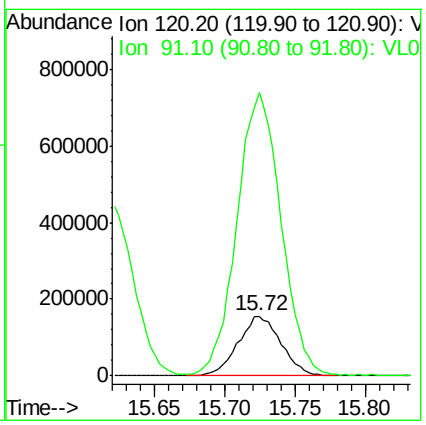


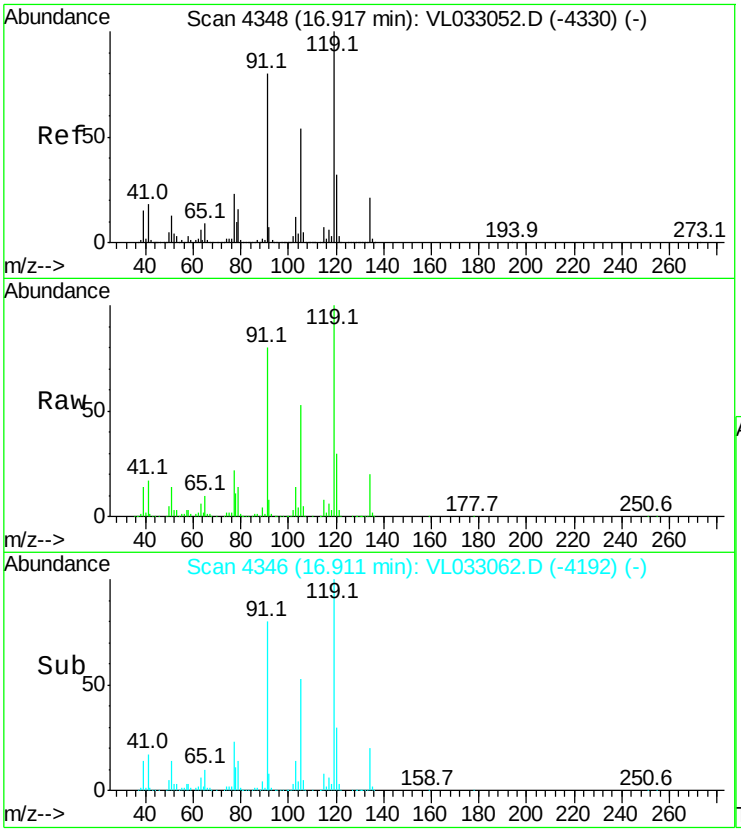


#64
n-propylbenzene
Concen: 2.407 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. -0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion:120 Resp: 332050

Ion	Ratio	Lower	Upper
120	100		
91	489.3	378.7	568.1



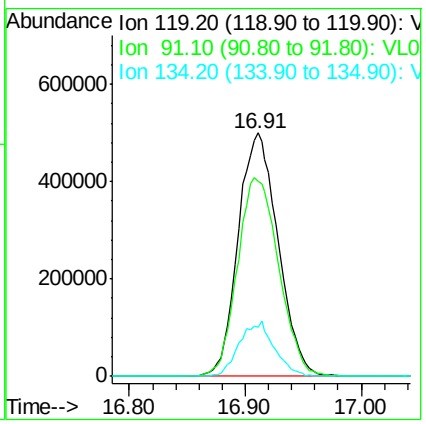


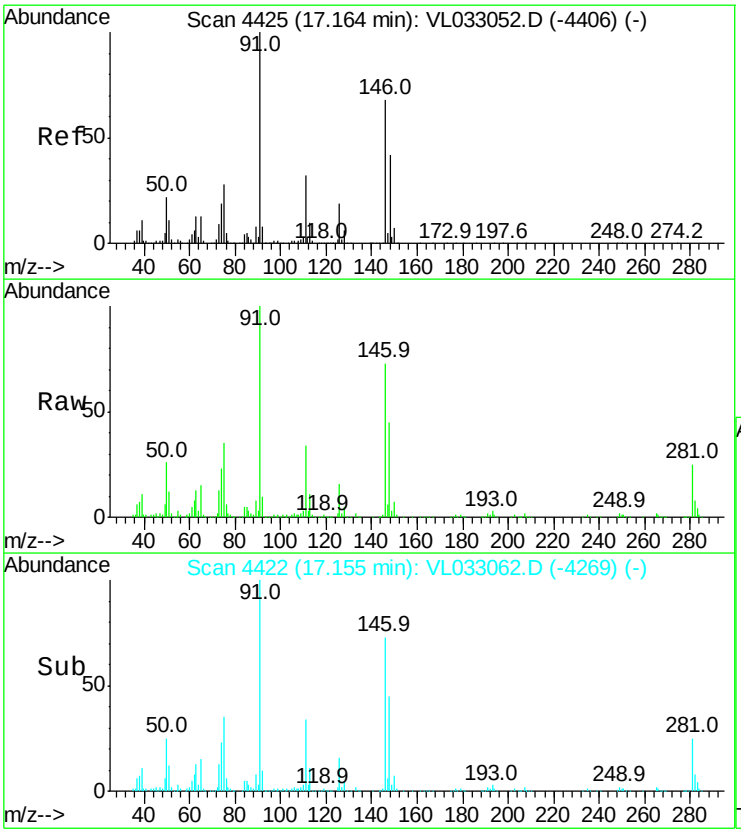
#65
tert-Butylbenzene
Concen: 2.397 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 1193704

Ion	Ratio	Lower	Upper
119	100		
91	84.9	64.6	97.0
134	20.0	15.8	23.8

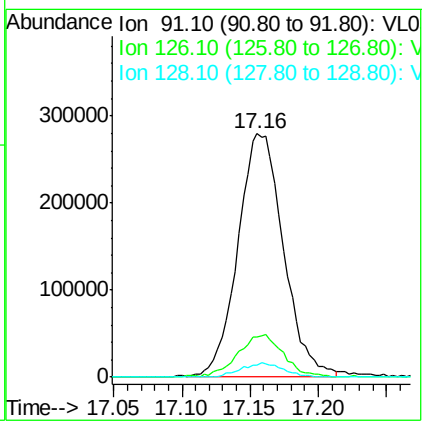


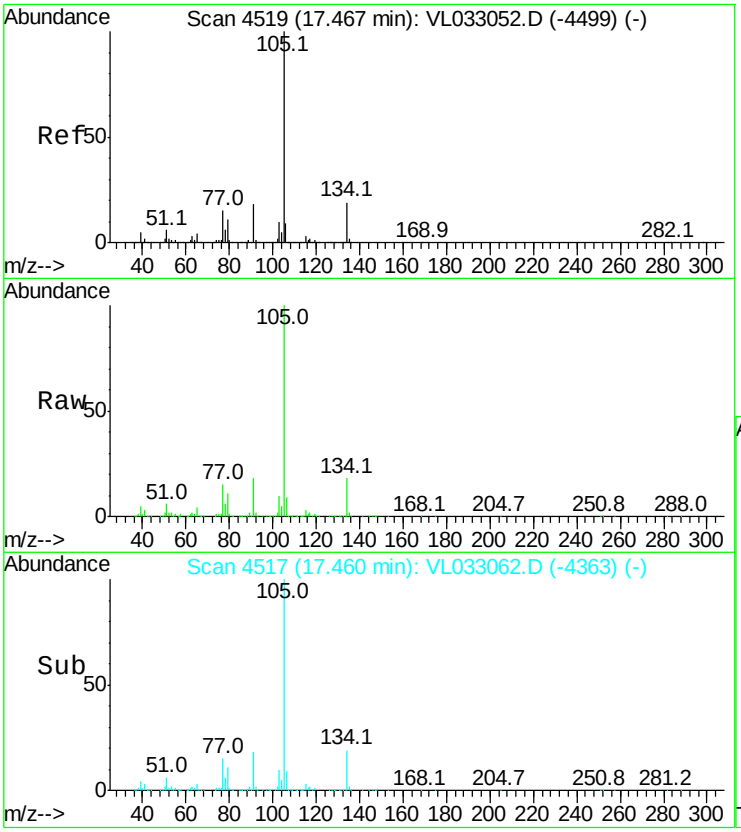


#66
Benzyl Chloride
Concen: 2.299 ppbv
RT: 17.16 min Scan# 4422
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 91 Resp: 643601

Ion	Ratio	Lower	Upper
91	100		
126	17.9	14.4	21.6
128	5.6	4.5	6.7



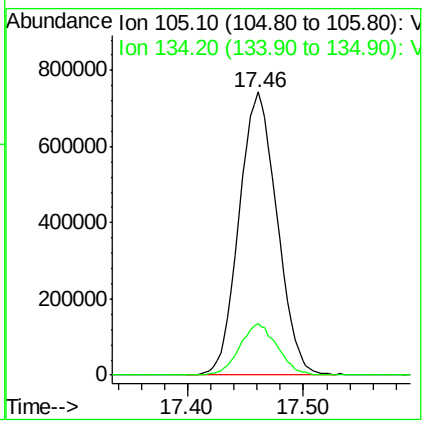


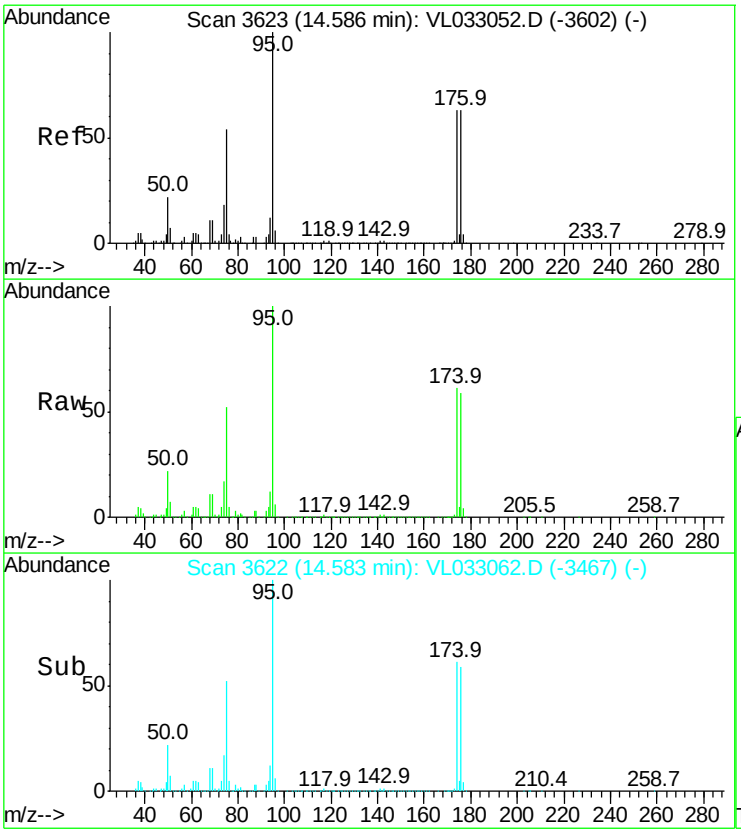
#67
sec-Butylbenzene
Concen: 2.403 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 1687190

Ion	Ratio	Lower	Upper
105	100		
134	18.0	14.6	21.8

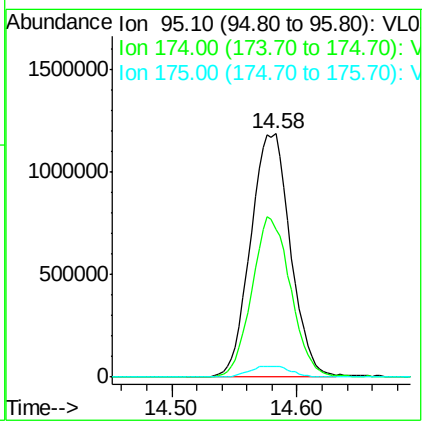


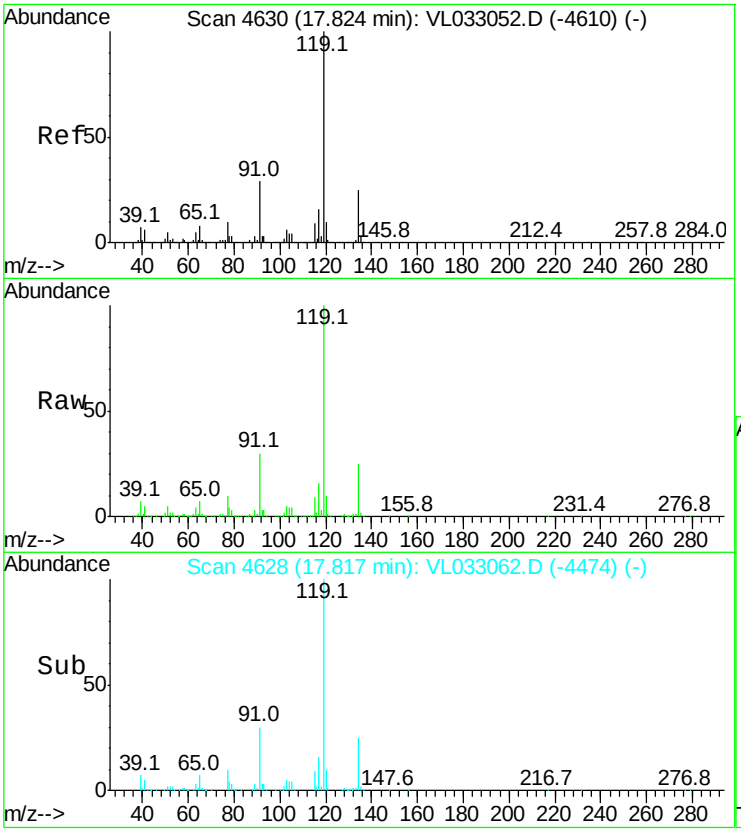


#68
1-Bromo-4-Fluorobenzene
Concen: 10.041 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 95 Resp: 2626909

Ion	Ratio	Lower	Upper
95	100		
174	64.4	51.9	77.9
175	4.8	3.9	5.9



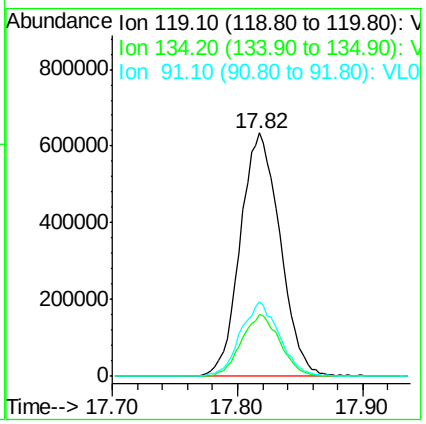


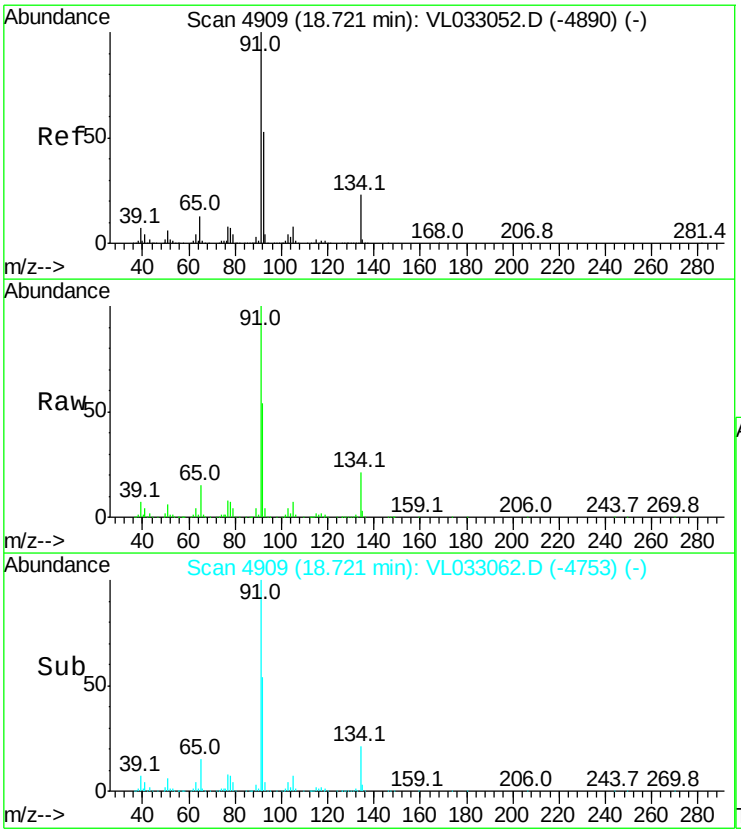
#69
p-Isopropyltoluene
Concen: 2.461 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 1397956

Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.1	30.1
91	29.8	23.0	34.4

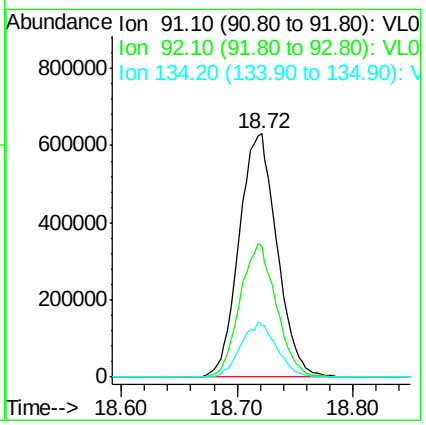


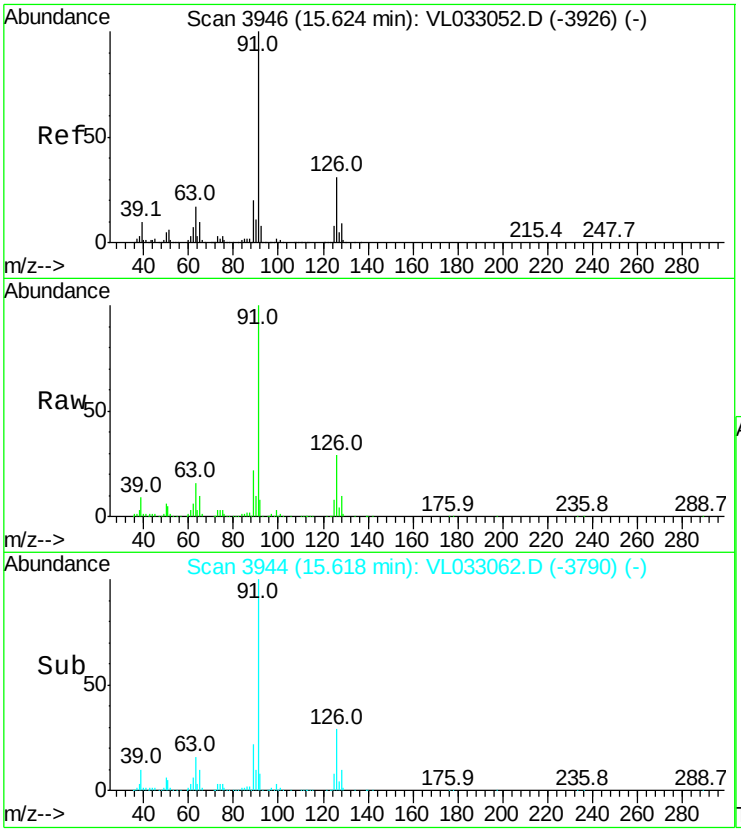


#70
n-Butylbenzene
Concen: 2.472 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion: 91 Resp: 1433225

Ion	Ratio	Lower	Upper
91	100		
92	52.8	42.4	63.6
134	21.5	18.0	27.0



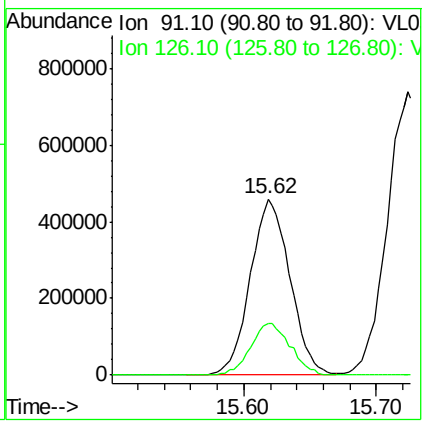


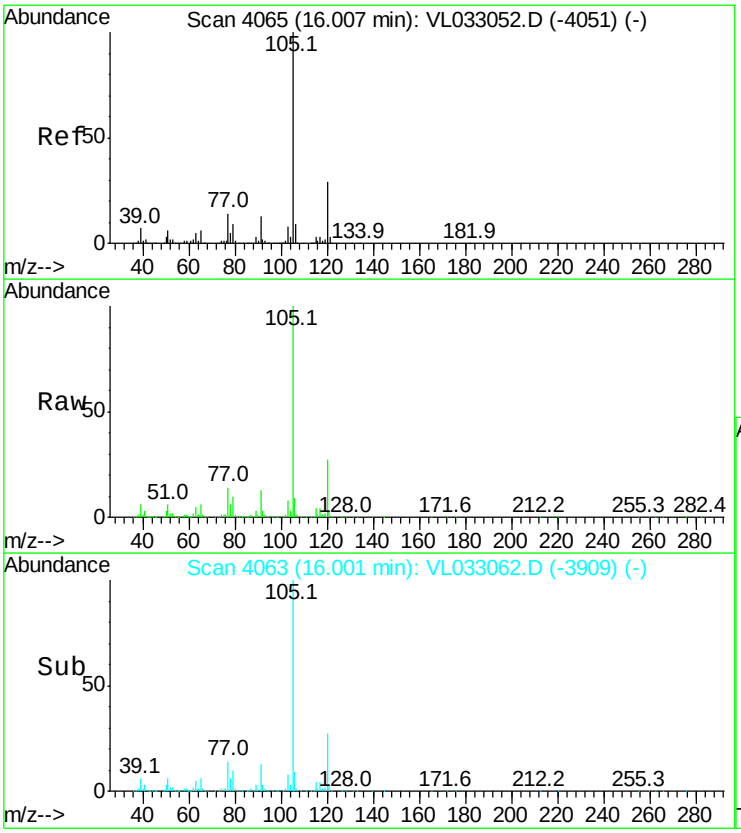
#71
2-Chlorotoluene
Concen: 2.415 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 957376

Ion	Ratio	Lower	Upper
91	100		
126	29.6	12.4	49.6

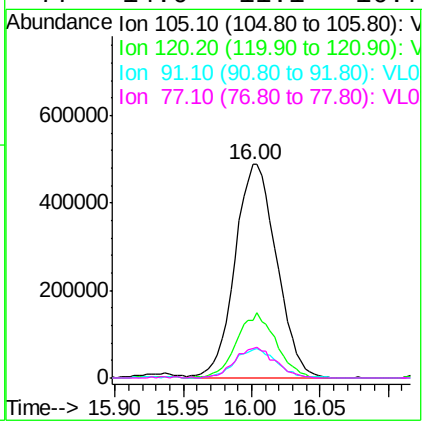


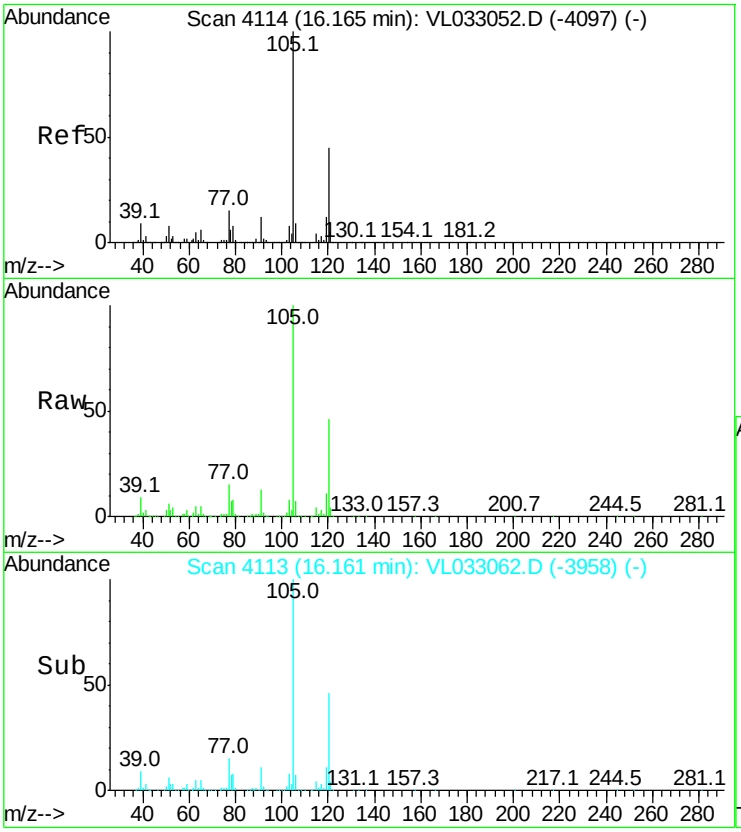


#72
4-Ethyltoluene
Concen: 2.362 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion:105 Resp: 1030942

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.0	34.6
91	14.1	10.3	15.5
77	14.0	11.1	16.7



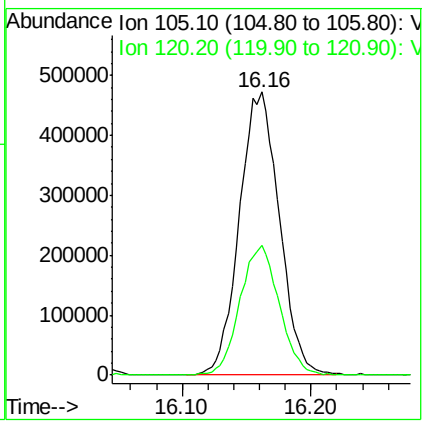


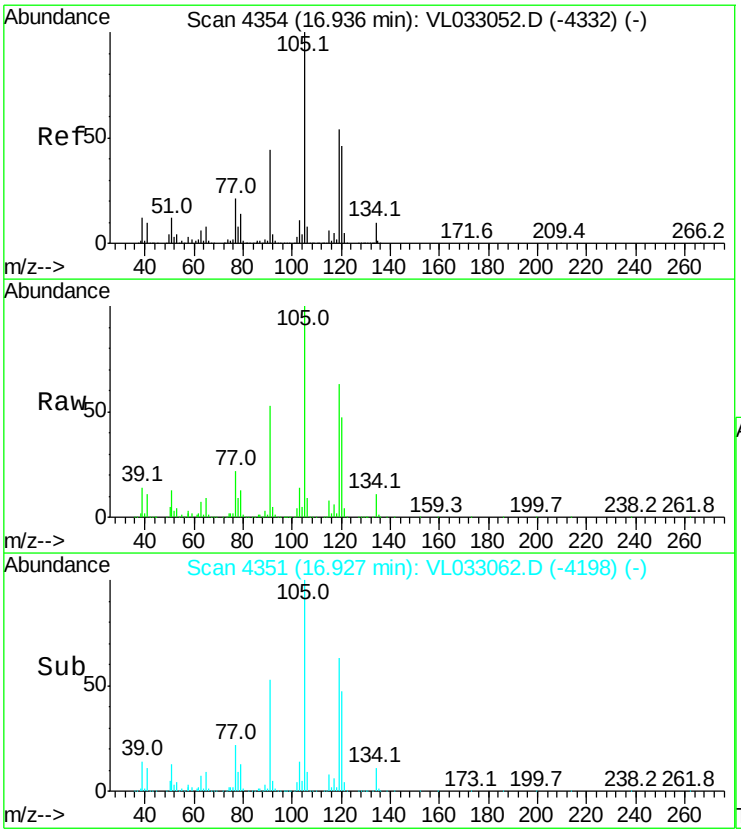
#73
1,3,5-Trimethylbenzene
Concen: 2.383 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. -0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:105 Resp: 1015137

Ion	Ratio	Lower	Upper
105	100		
120	45.8	36.1	54.1

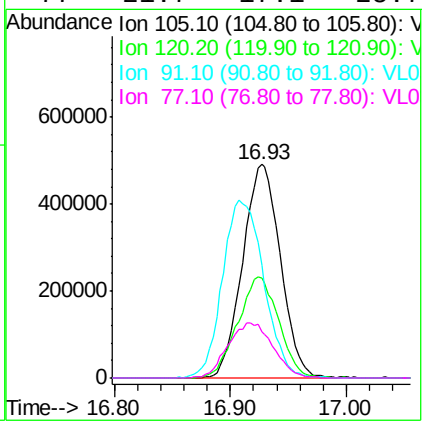


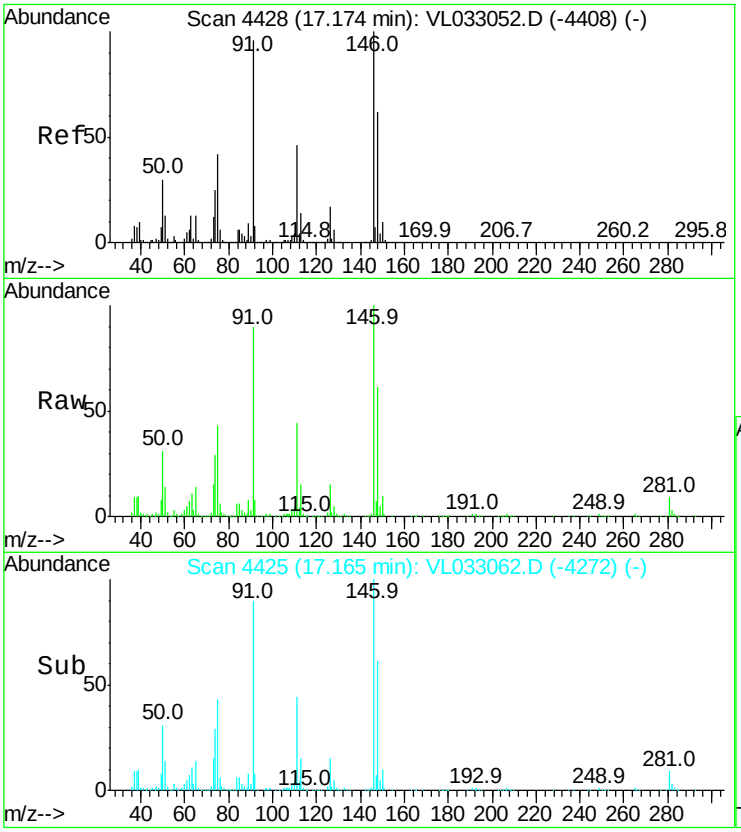


#74
1,2,4-Trimethylbenzene
Concen: 2.380 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion:105 Resp: 1113600

Ion	Ratio	Lower	Upper
105	100		
120	46.6	37.0	55.4
91	52.6	35.4	53.0
77	21.7	17.1	25.7



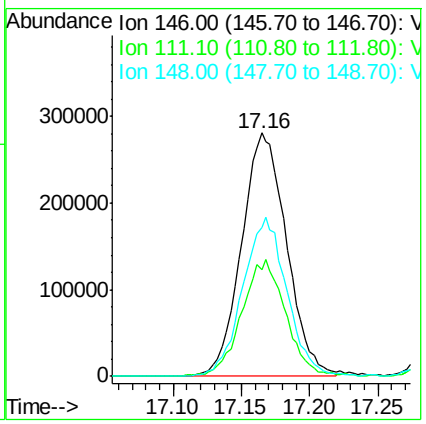


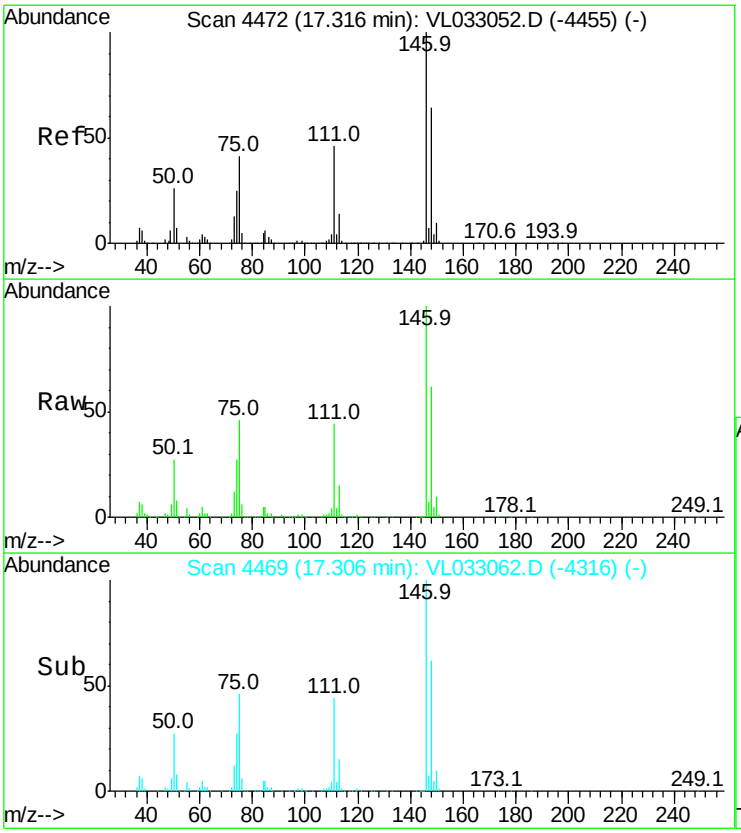
#75
1,3-Dichlorobenzene
Concen: 2.333 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 639267

Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.4	70.2
148	64.7	32.1	96.3

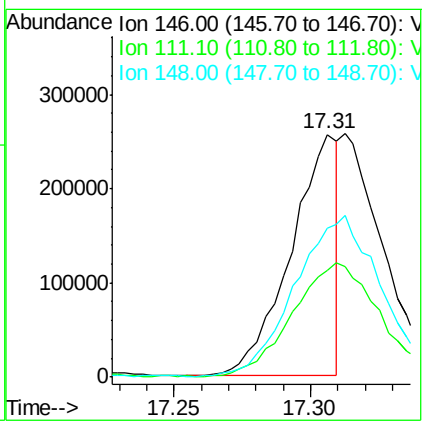


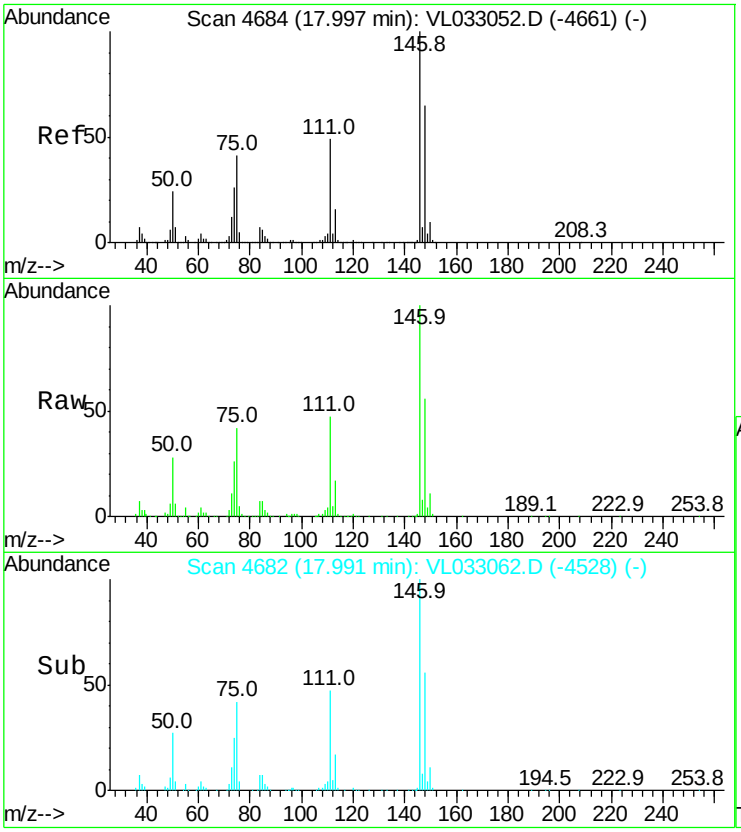


#76
1,4-Dichlorobenzene
Concen: 1.232 ppbv
RT: 17.31 min Scan# 4469
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion:146 Resp: 307127

Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.7	68.1#
148	0.0	32.4	97.2#



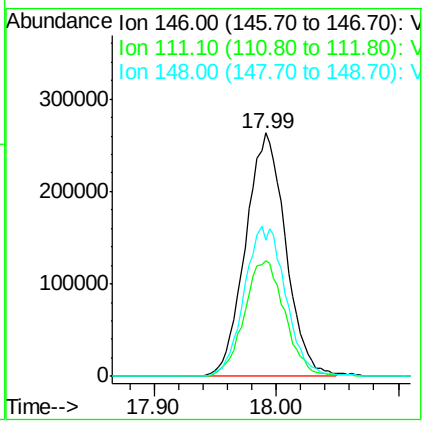


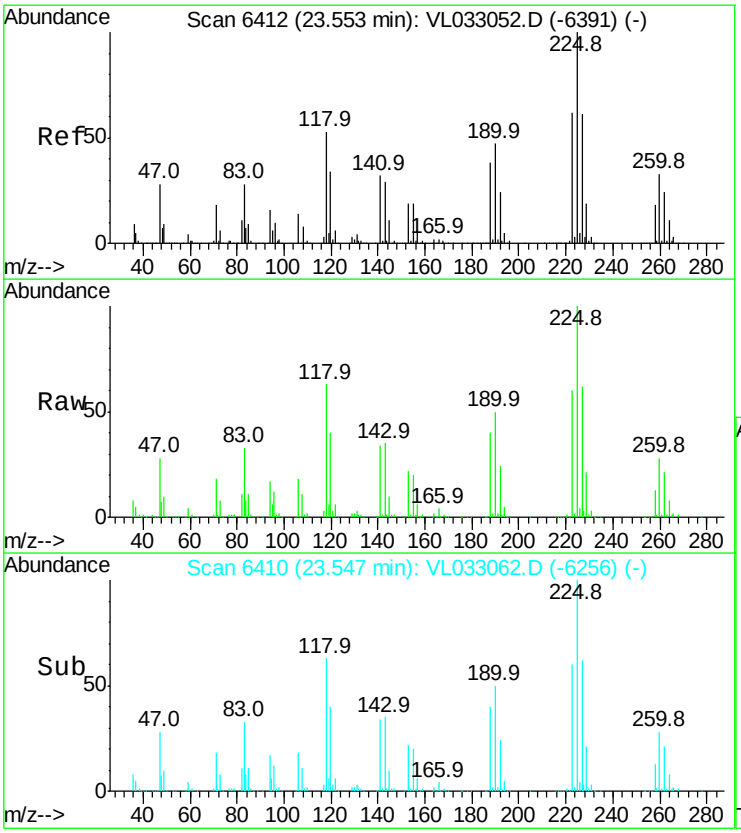
#77
1,2-Dichlorobenzene
Concen: 2.384 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 598053

Ion	Ratio	Lower	Upper
146	100		
111	48.1	24.4	73.2
148	63.8	32.3	96.9

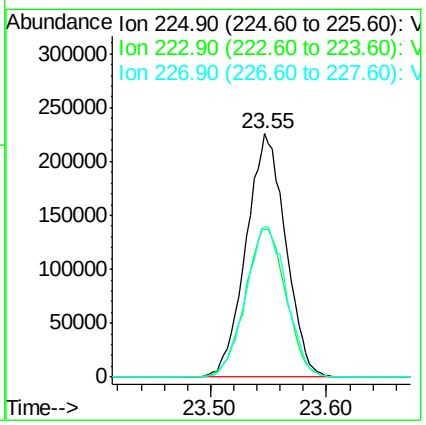


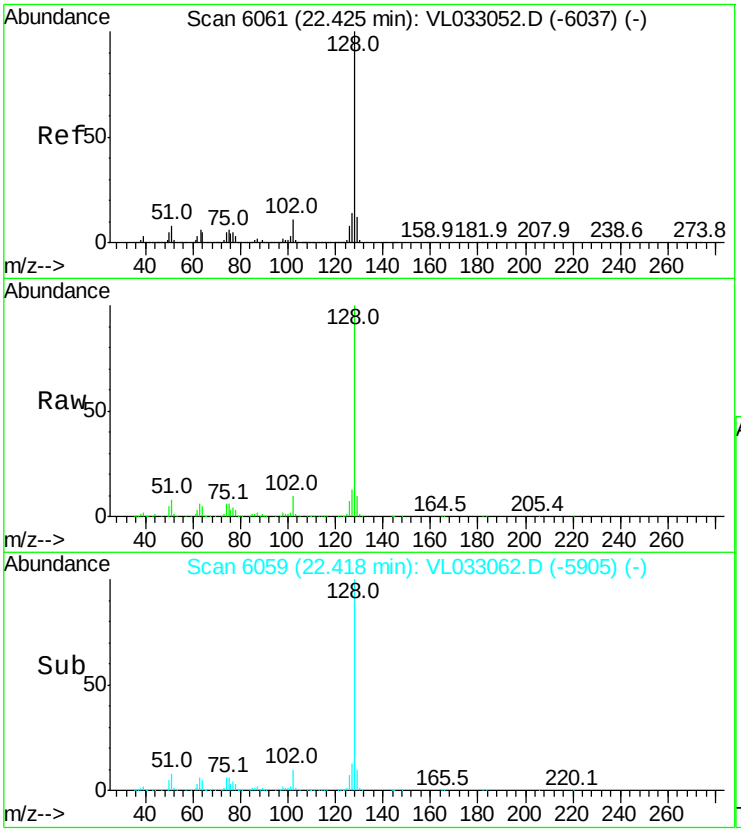


#78
Hexachloro-1,3-Butadiene
Concen: 3.035 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion:225 Resp: 535153

Ion	Ratio	Lower	Upper
225	100		
223	62.8	51.0	76.6
227	63.7	51.0	76.4



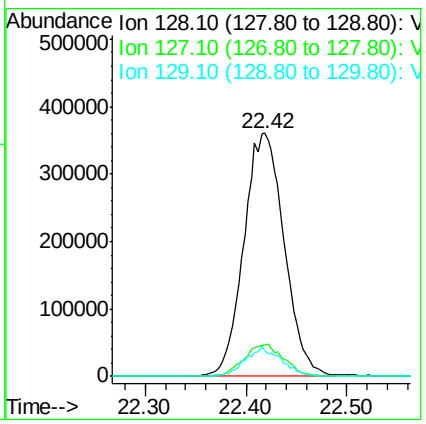


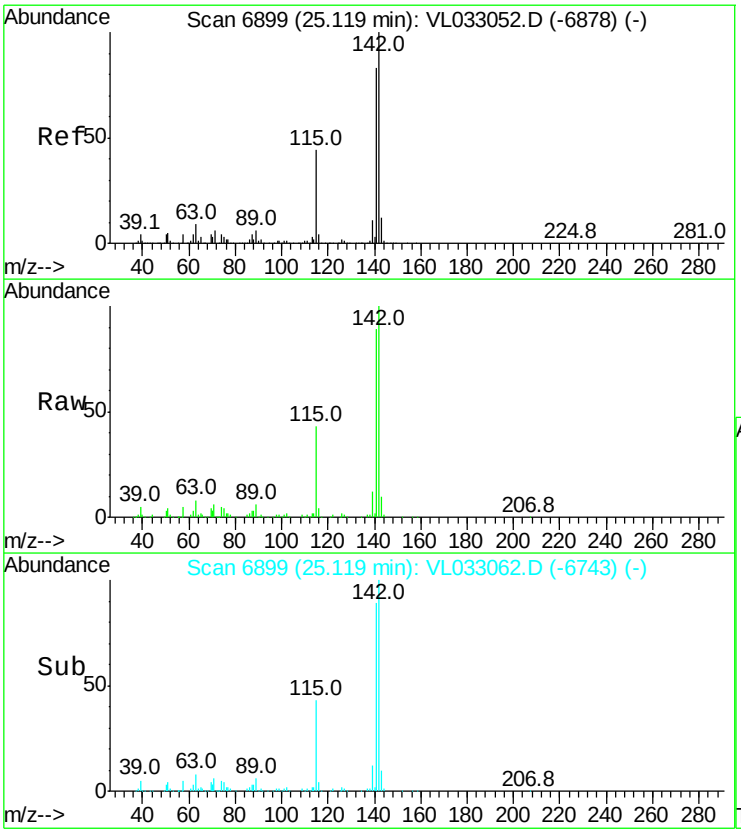
#79
Naphthalene
Concen: 2.353 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 1000607

Ion	Ratio	Lower	Upper
128	100		
127	12.7	11.0	16.6
129	10.5	9.4	14.0

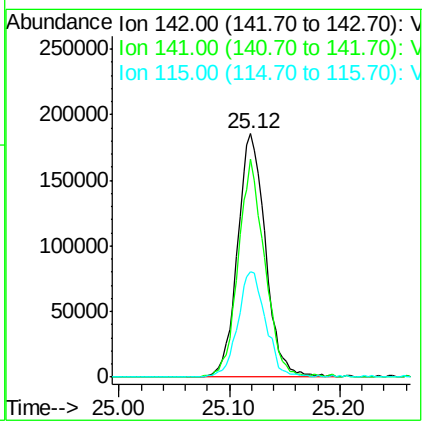


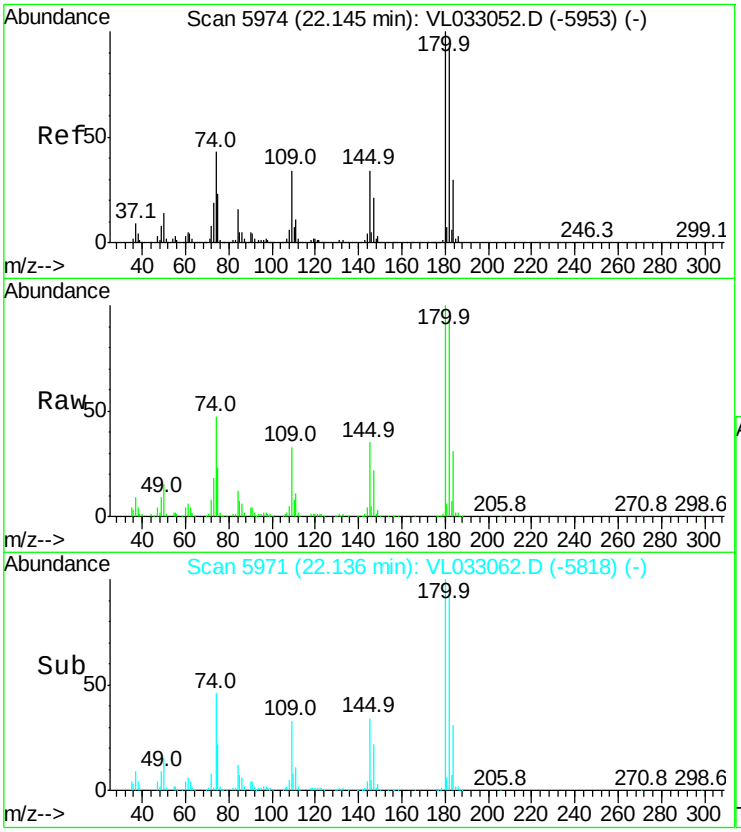


#80
Naphthalene,2-methyl-
Concen: 2.757 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. 0.00 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Tgt Ion:142 Resp: 325004

Ion	Ratio	Lower	Upper
142	100		
141	85.4	68.6	103.0
115	43.3	35.6	53.4





#81
1,2,4-Trichlorobenzene
Concen: 1.174 ppbv
RT: 22.14 min Scan# 5971
Delta R.T. -0.01 min
Lab File: VL033062.D
Acq: 4 Jan 2019 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 227297

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.1	114.1#
184	0.0	24.6	37.0#