Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033330.D
Acq On : 15 Mar 2019 13:00
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Quant Time: Mar 15 13:47:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 12:24:28 2019
QLast Update : Fri Mar 15 12:24:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	844814	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1946924	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2076156	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1579684	10.01	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	17669	0.116	ppbv		93
3) Chlorodifluoromethane	3.01	51	11026	0.114	ppbv		94
4) Chloromethane	3.18	50	5994	0.114	ppbv	#	84
5) Vinyl Chloride	3.30	62	5092	0.096	ppbv		97
6) Bromomethane	3.51	94	1103	0.034	ppbv		97
7) Chloroethane	3.60	64	1348	0.070	ppbv		95
8) Dichlorotetrafluoroethane	3.22	85	13247	0.102	ppbv		96
9) Propene	3.04	41	4323	0.100	ppbv		91
10) Heptane	8.25	43	6688	0.061	ppbv	#	62
11) Trichlorofluoromethane	4.01	101	16476	0.113	ppbv		90
12) 1,1,2-Trichlorotrifluoroet	4.55	101	9782	0.103	ppbv		90
13) Ethanol	3.67	45	1804	0.120	ppbv	#	25
14) Bromoethene	3.79	108	3126	0.078	ppbv	#	64
15) Acetone	3.92	43	9503	0.073	ppbv	#	50
16) 1,3-Butadiene	3.36	39	2149	0.047	ppbv	#	2
18) 1,1-Dichloroethene	4.35	96	2452	0.058	ppbv		85
20) Methylene Chloride	4.41	84	6150	0.148	ppbv	#	90
21) Allyl Chloride	4.48	41	4876	0.076	ppbv	#	31
22) trans-1,2-Dichloroethene	4.97	96	1831	0.044	ppbv	#	29
23) Vinyl Acetate	5.16	43	14682	0.097	ppbv	#	96
24) 1,1-Dichloroethane	5.10	63	11375	0.106	ppbv	#	96
25) Ethyl Acetate	5.79	43	19436	0.104	ppbv		98
26) Hexane	5.78	57	9291	0.108	ppbv		94
27) Carbon Disulfide	4.63	76	7570	0.078	ppbv	#	73
28) Methyl tert-Butyl Ether	5.13	73	4894	0.040	ppbv	#	54
29) Chloroform	5.85	83	15173	0.109	ppbv		94
30) Cyclohexane	7.25	84	5065	0.075	ppbv	#	17
31) cis-1,2-Dichloroethene	5.64	61	8227	0.097	ppbv	#	87
32) 1,1,1-Trichloroethane	6.62	97	6239	0.045	ppbv	#	18
34) 2-Butanone	5.35	43	4661	0.038	ppbv	#	54
35) Carbon Tetrachloride	7.14	117	5316	0.038	ppbv		99
36) Benzene	7.01	78	13576	0.078	ppbv	#	82
37) 1,2-Dichloroethane	6.41	62	11236	0.104	ppbv	#	93
38) Trichloroethene	7.96	130	1806	0.026	ppbv	#	33
39) 1,2-Dichloropropane	7.29	63	516449	7.799	ppbv	#	24
40) 1,4-Dioxane	8.02	88	624	0.026	ppbv	#	1
41) Tetrahydrofuran	6.18	42	2899	0.042	ppbv	#	37
42) Bromodichloromethane	7.92	83	7007	0.047	ppbv	#	78
44) 2,2,4-Trimethylpentane	7.99	57	10052	0.034	ppbv	#	43
45) t-1,3-Dichloropropene	9.42	75	2017	0.024	ppbv	#	43
46) cis-1,3-Dichloropropene	8.82	75	2412	0.025	ppbv		97

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033330.D
Acq On : 15 Mar 2019 13:00
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Quant Time: Mar 15 13:47:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 12:24:28 2019
QLast Update : Fri Mar 15 12:24:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 1,1,2-Trichloroethane	9.62	97	1860	0.026	ppbv	#	24
48) Dibromochloromethane	10.45	129	3490	0.029	ppbv	#	11
50) 4-Methyl-2-Pentanone	8.89	43	3799	0.021	ppbv	#	39
52) Tetrachloroethene	11.37	164	3737	0.053	ppbv	#	91
53) Toluene	9.94	91	5375	0.027	ppbv	#	21
54) 1,2-Dibromoethane	10.76	107	5715	0.049	ppbv		85
56) 1,1,1,2-Tetrachloroethane	12.29	131	6820	0.073	ppbv	#	60
57) Chlorobenzene	12.31	112	17606	0.107	ppbv	#	75
58) Ethyl Benzene	12.87	91	13699	0.047	ppbv		97
59) m/p-Xylene	13.12	91	13963	0.056	ppbv	#	100
60) o-Xylene	13.85	91	13517	0.055	ppbv		73
61) Styrene	13.69	104	4104	0.024	ppbv	#	27
62) Isopropylbenzene	14.83	105	18649	0.055	ppbv	#	67
63) 1,1,2,2-Tetrachloroethane	13.84	83	8113	0.044	ppbv	#	12
64) n-propylbenzene	15.74	120	2851	0.033	ppbv	#	1
65) tert-Butylbenzene	16.91	119	10279	0.033	ppbv	#	1
67) sec-Butylbenzene	17.47	105	29752	0.067	ppbv		99
69) p-Isopropyltoluene	17.82	119	10319	0.028	ppbv	#	48
70) n-Butylbenzene	18.73	91	23734	0.061	ppbv		89
71) 2-Chlorotoluene	15.62	91	5806	0.022	ppbv	#	1
72) 4-Ethyltoluene	16.00	105	15855	0.057	ppbv	#	61
73) 1,3,5-Trimethylbenzene	16.16	105	10878	0.039	ppbv		89
74) 1,2,4-Trimethylbenzene	16.93	105	5971	0.020	ppbv	#	57
75) 1,3-Dichlorobenzene	17.17	146	9338	0.055	ppbv	#	23
76) 1,4-Dichlorobenzene	17.31	146	7298	0.044	ppbv	#	24
78) Hexachloro-1,3-Butadiene	23.55	225	2535	0.026	ppbv	#	1
79) Naphthalene	22.42	128	7493	0.026	ppbv	#	79
80) Naphthalene,2-methyl-	25.12	142	6945	0.051	ppbv	#	85

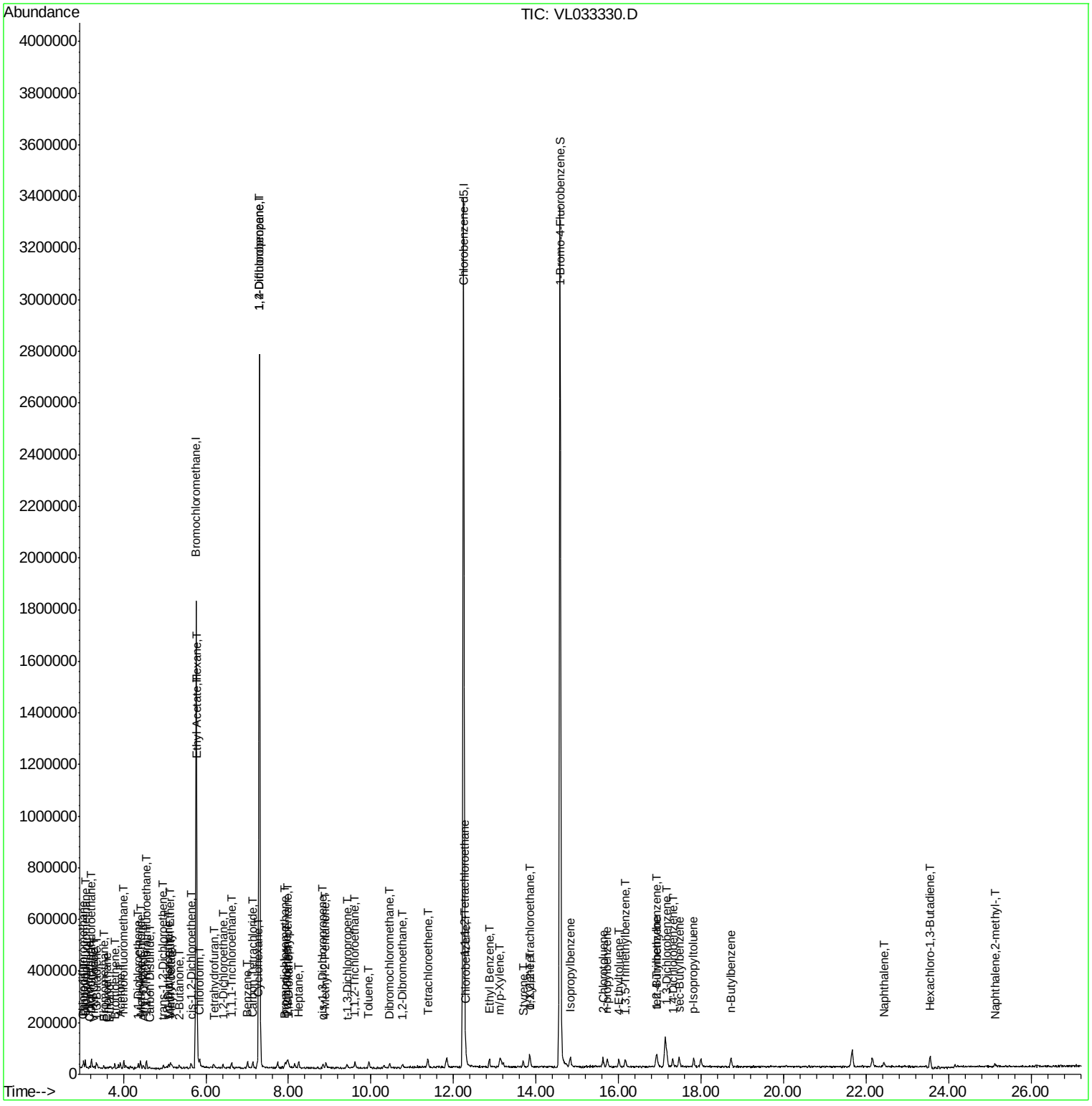
(#) = qualifier out of range (m) = manual integration (+) = signals summed

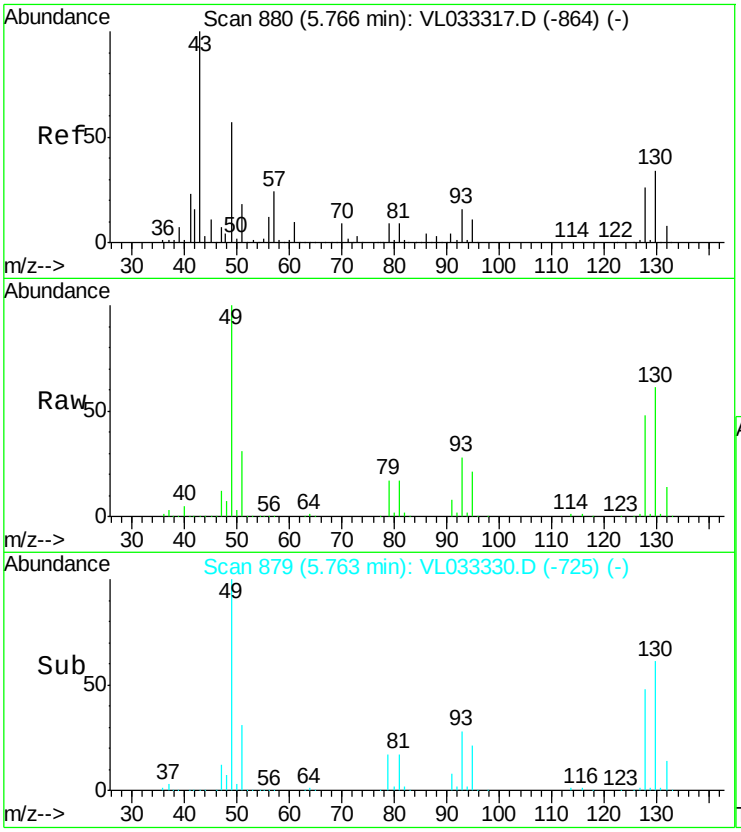
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033330.D
Acq On : 15 Mar 2019 13:00
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Quant Time: Mar 15 13:47:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 12:24:28 2019
QLast Update : Fri Mar 15 12:24:28 2019
Response via : Initial Calibration



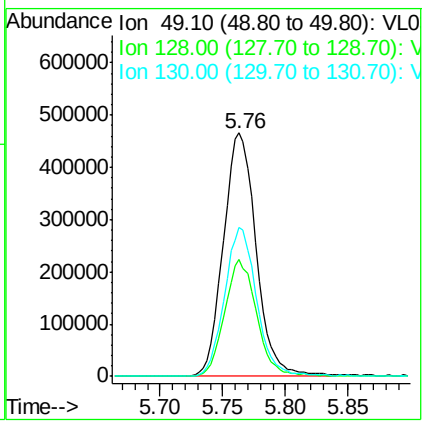


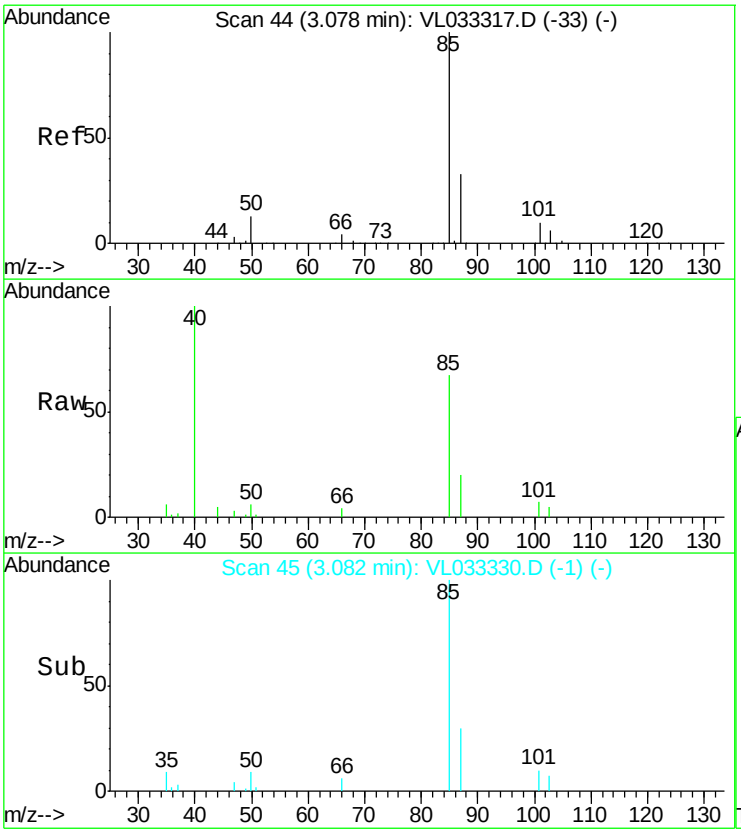
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 49 Resp: 844814

Ion	Ratio	Lower	Upper
49	100		
128	46.8	23.5	70.6
130	60.6	30.1	90.3

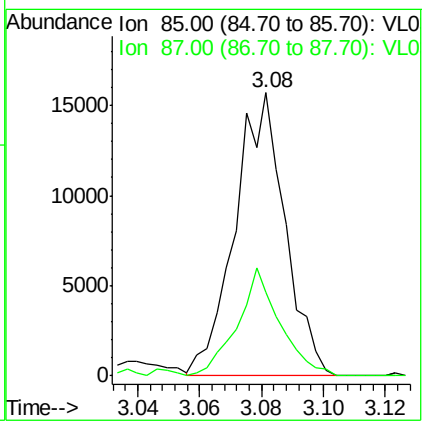


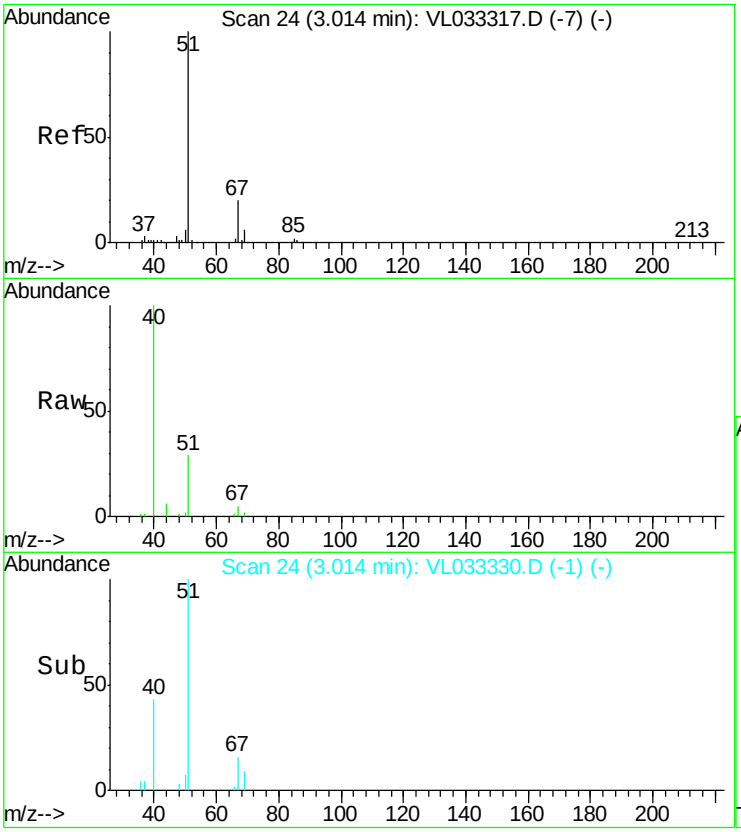


#2
Dichlorodifluoromethane
Concen: 0.116 ppbv
RT: 3.08 min Scan# 45
Delta R.T. 0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 85 Resp: 17669

Ion	Ratio	Lower	Upper
85	100		
87	29.8	26.9	40.3



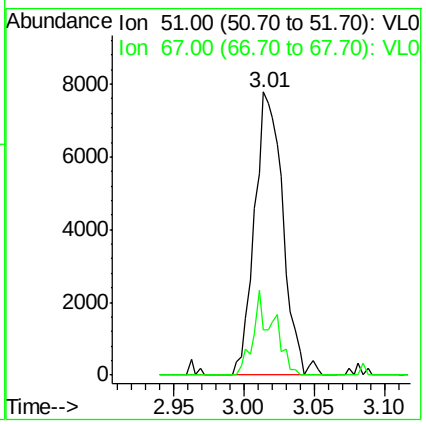


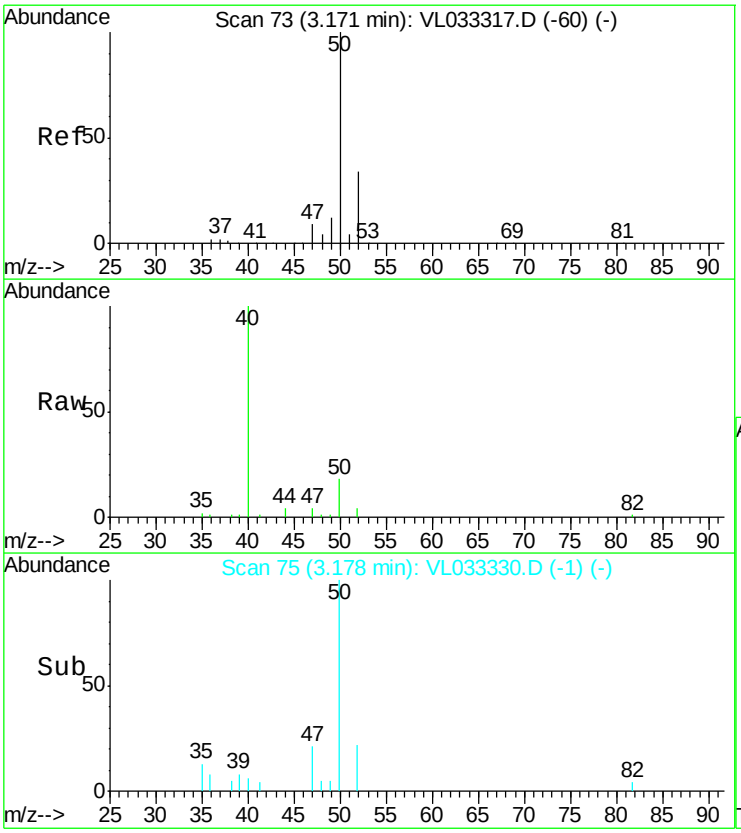
#3
Chlorodifluoromethane
Concen: 0.114 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 51 Resp: 11026

Ion	Ratio	Lower	Upper
51	100		
67	21.5	14.9	22.3

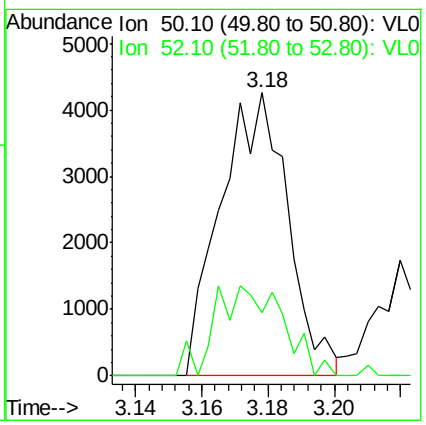


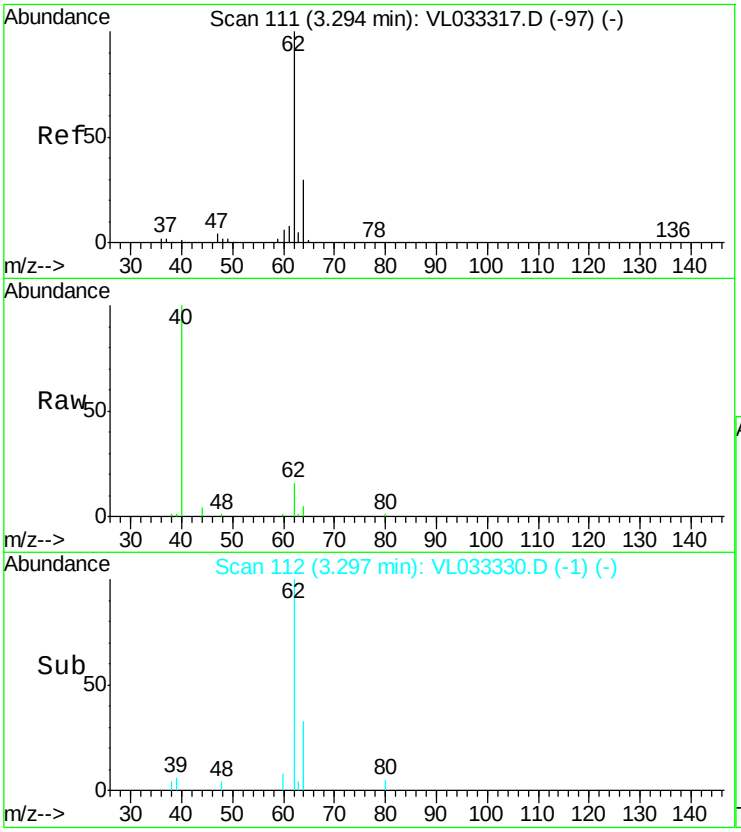


#4
Chloromethane
Concen: 0.114 ppbv
RT: 3.18 min Scan# 75
Delta R.T. 0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 50 Resp: 5994

Ion	Ratio	Lower	Upper
50	100		
52	22.3	25.0	37.6#



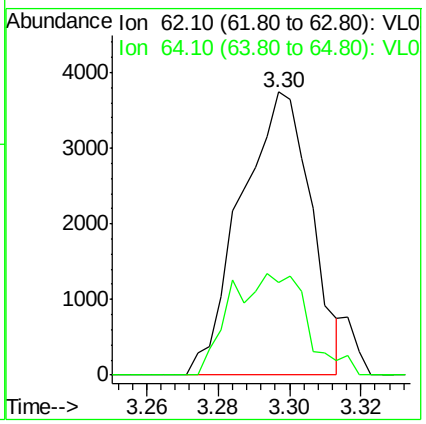


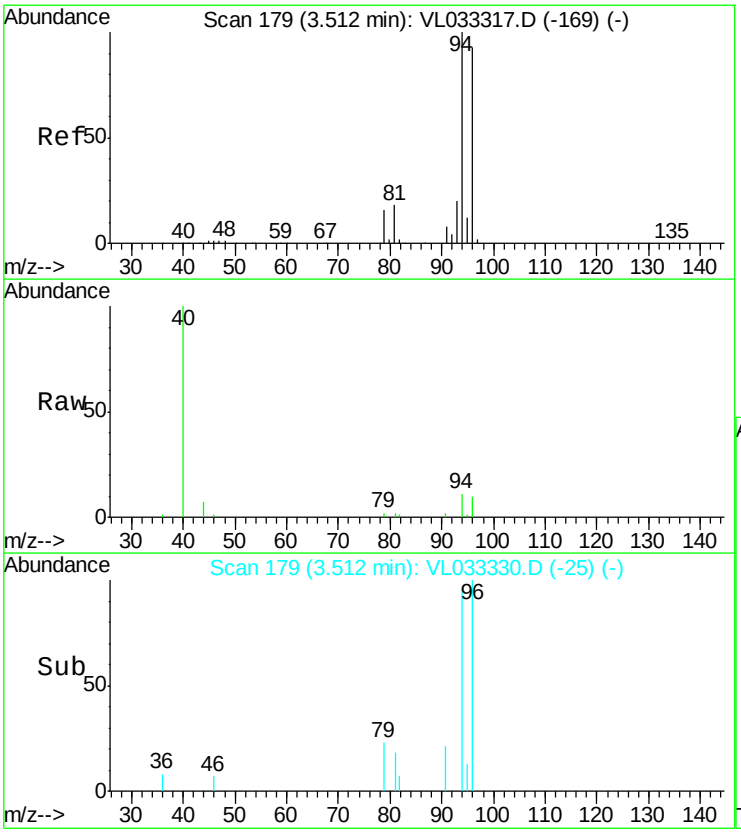
#5
Vinyl Chloride
Concen: 0.096 ppbv
RT: 3.30 min Scan# 112
Delta R.T. 0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 62 Resp: 5092

Ion	Ratio	Lower	Upper
62	100		
64	32.9	25.0	37.6

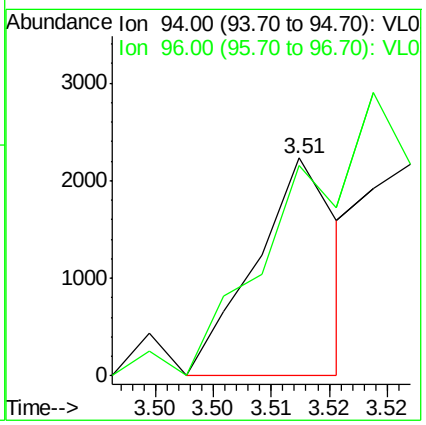


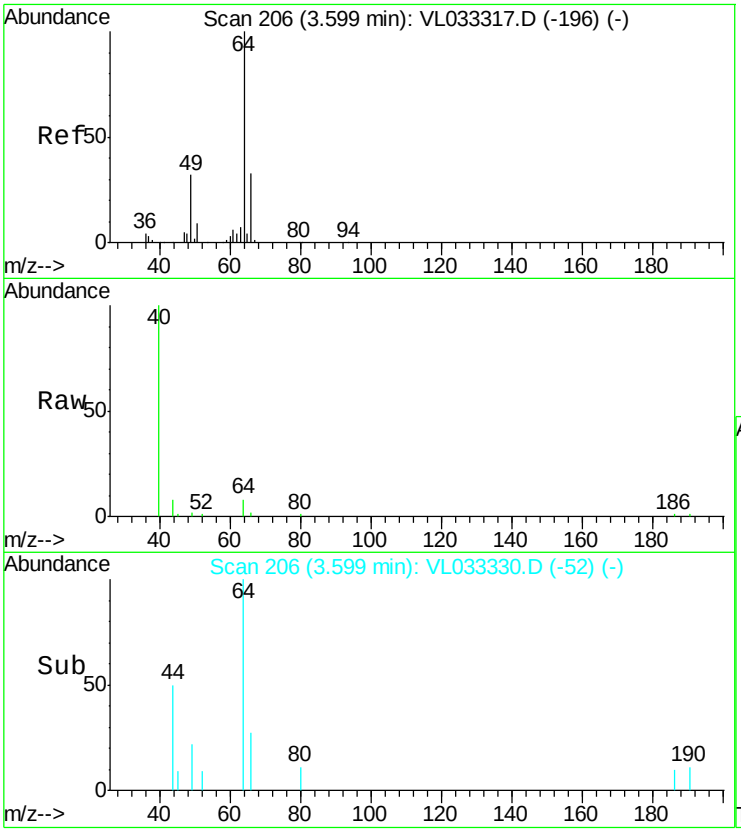


#6
Bromomethane
Concen: 0.034 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 94 Resp: 1103

Ion	Ratio	Lower	Upper
94	100		
96	96.5	74.6	111.8



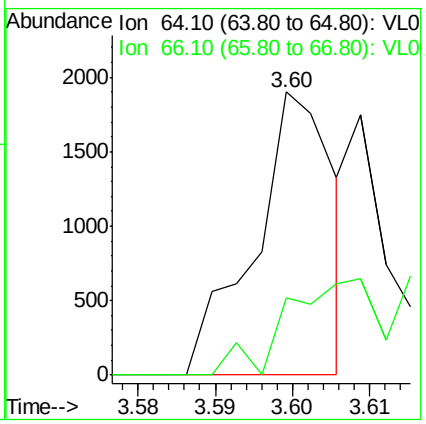


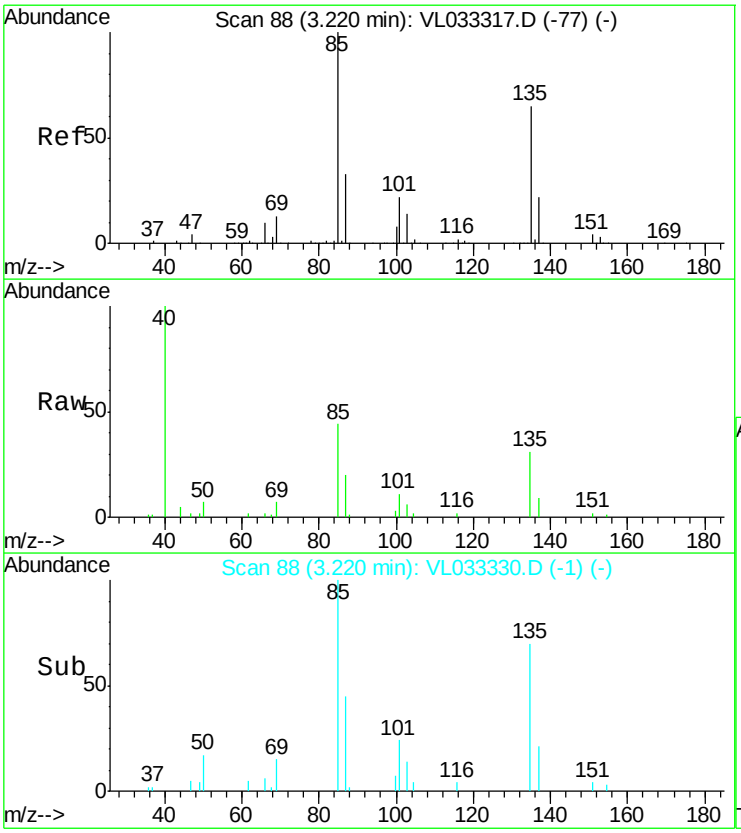
#7
Chloroethane
Concen: 0.070 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 64 Resp: 1348

Ion	Ratio	Lower	Upper
64	100		
66	27.5	24.0	36.0

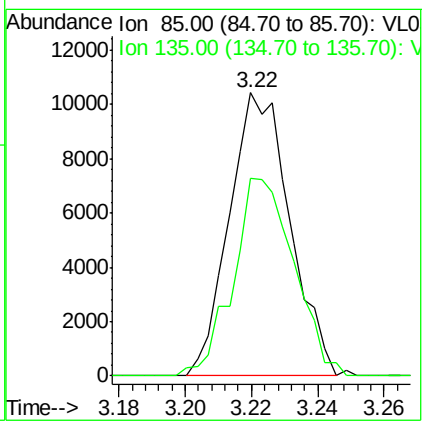


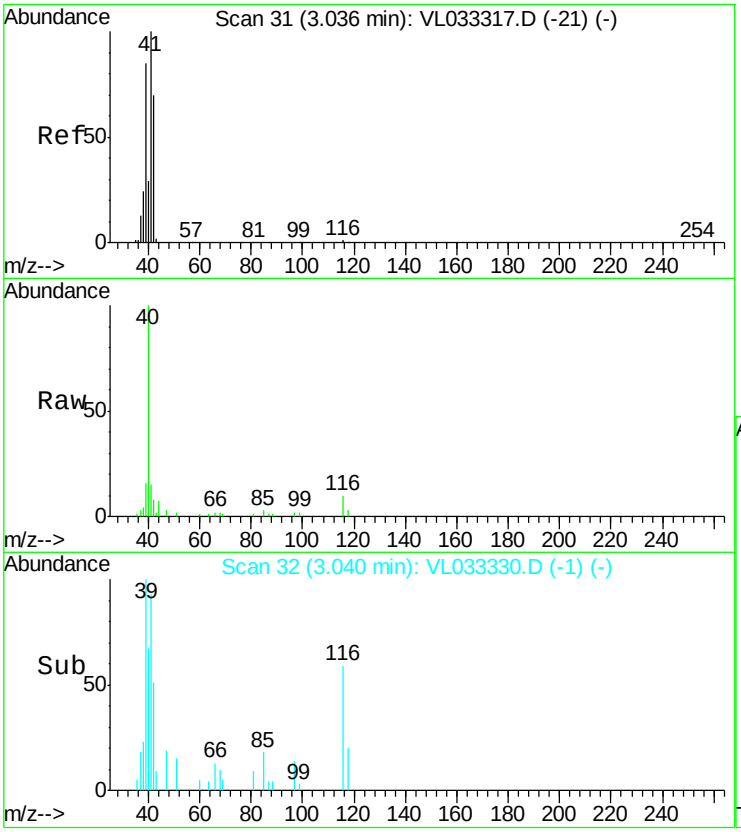


#8
Dichlorotetrafluoroethane
Concen: 0.102 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 85 Resp: 13247

Ion	Ratio	Lower	Upper
85	100		
135	69.9	53.4	80.2



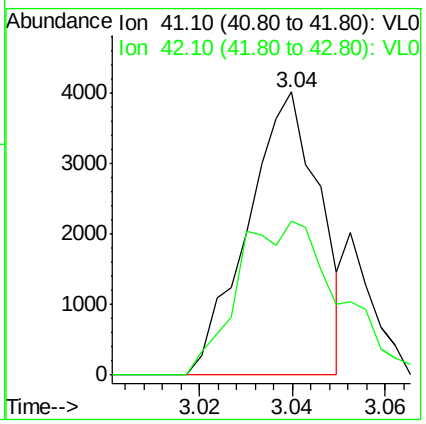


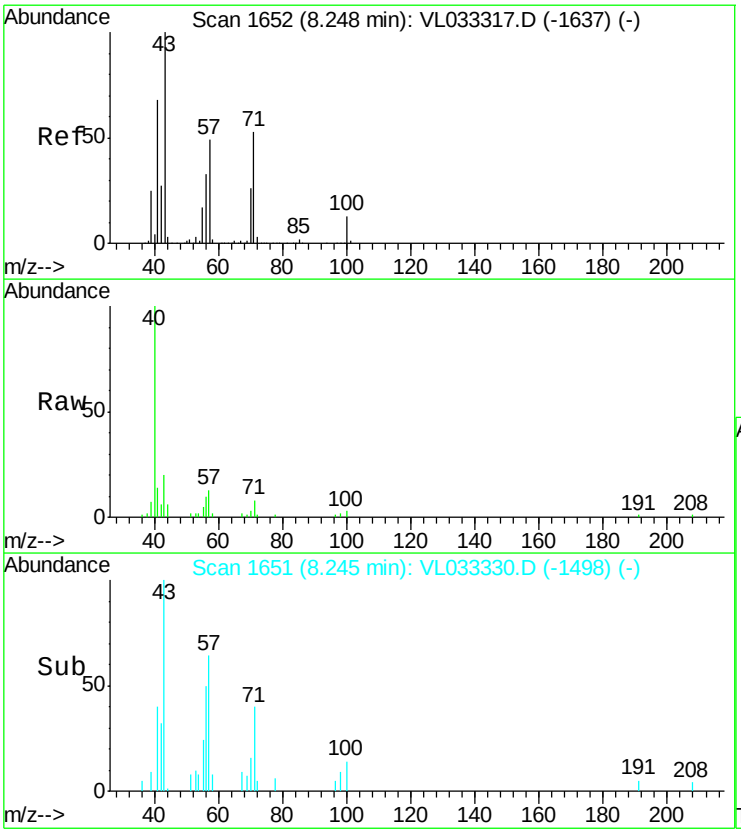
#9
Propene
Concen: 0.100 ppbv
RT: 3.04 min Scan# 32
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 4323

Ion	Ratio	Lower	Upper
41	100		
42	76.5	55.2	82.8

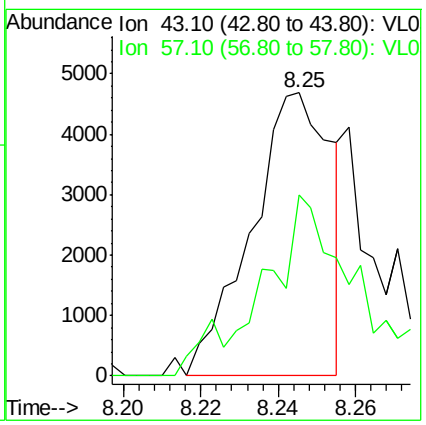


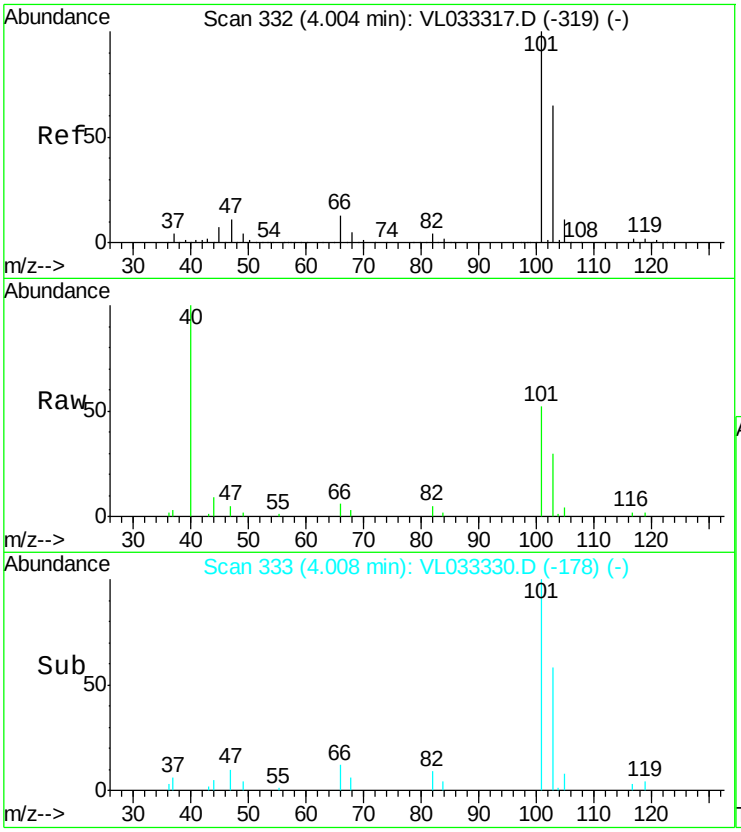


#10
Heptane
Concen: 0.061 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.01 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 43 Resp: 6688

Ion	Ratio	Lower	Upper
43	100		
57	76.9	40.4	60.6#



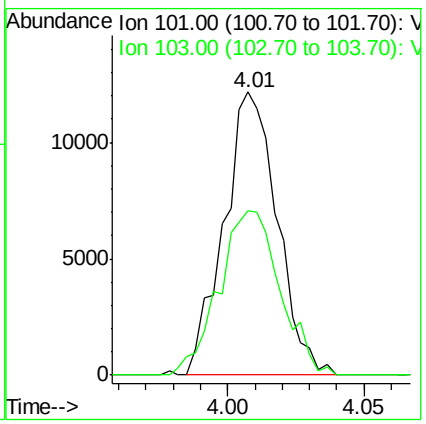


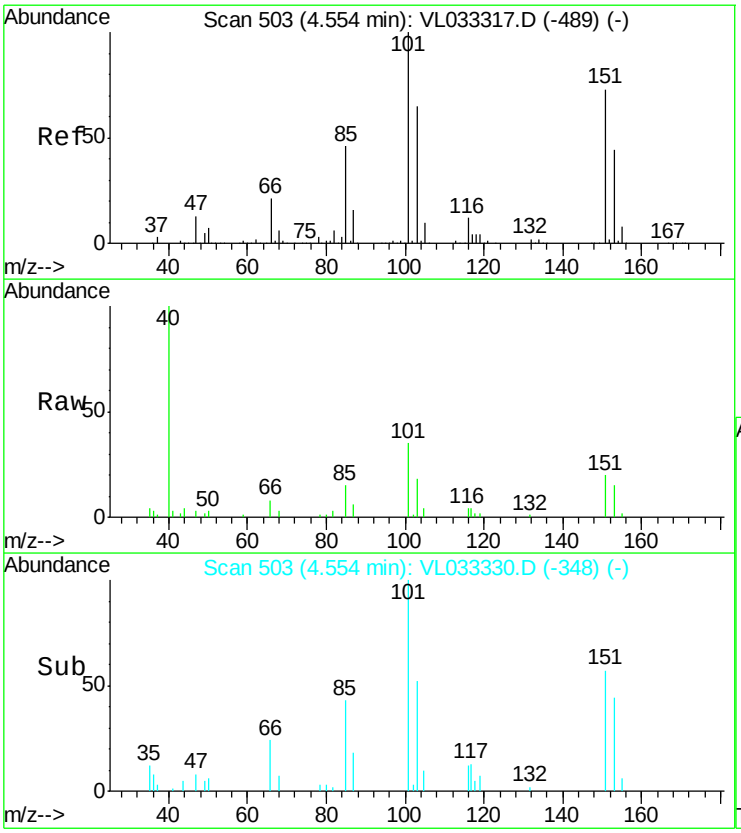
#11
Trichlorofluoromethane
Concen: 0.113 ppbv
RT: 4.01 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:101 Resp: 16476

Ion	Ratio	Lower	Upper
101	100		
103	58.1	52.9	79.3

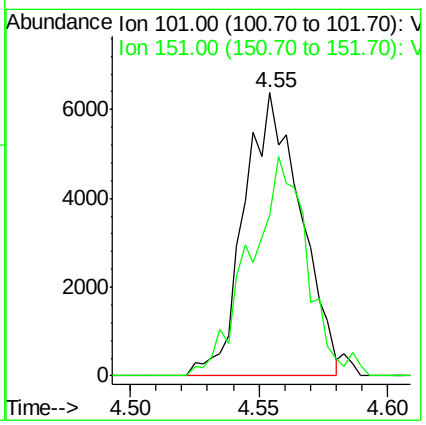


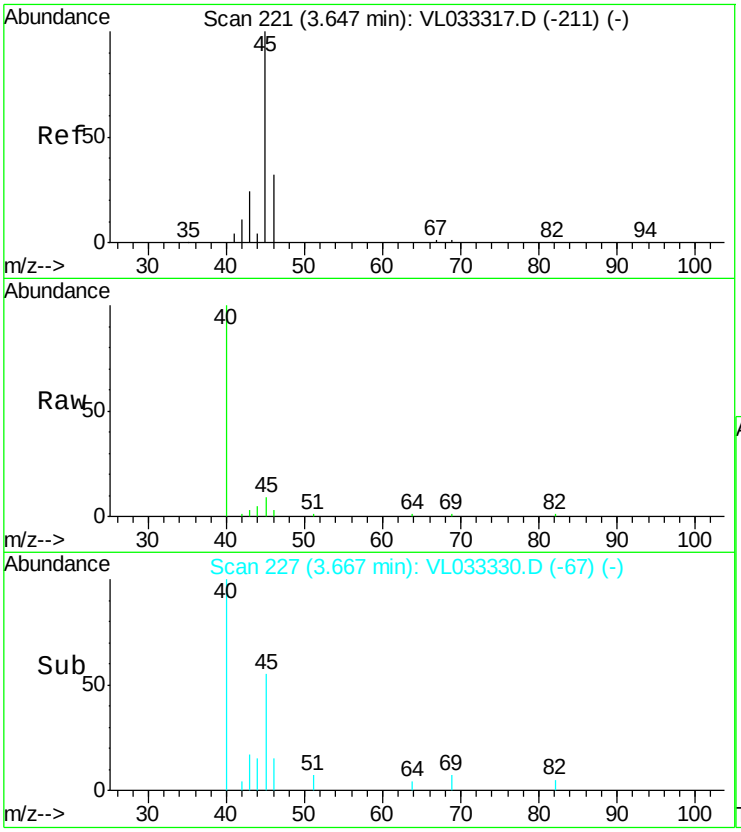


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.103 ppbv
RT: 4.55 min Scan# 503
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion:101 Resp: 9782

Ion	Ratio	Lower	Upper
101	100		
151	78.3	56.3	84.5



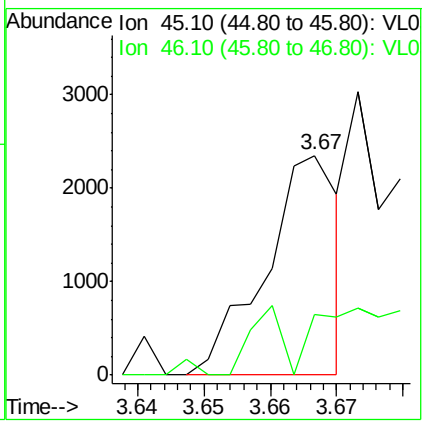


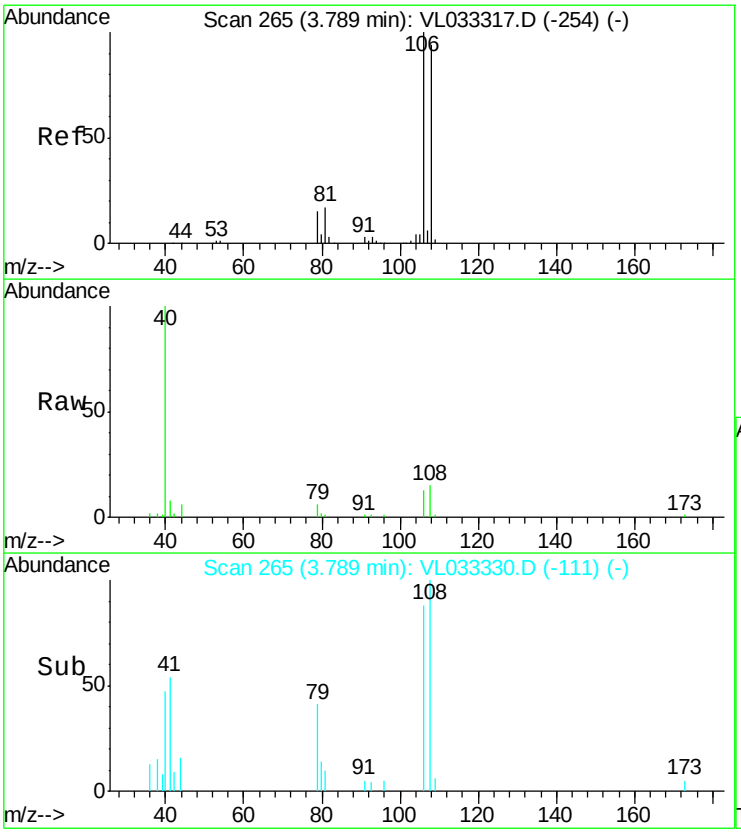
#13
Ethanol
Concen: 0.120 ppbv
RT: 3.67 min Scan# 227
Delta R.T. 0.02 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 45 Resp: 1804

Ion	Ratio	Lower	Upper
45	100		
46	81.9	14.9	59.7#

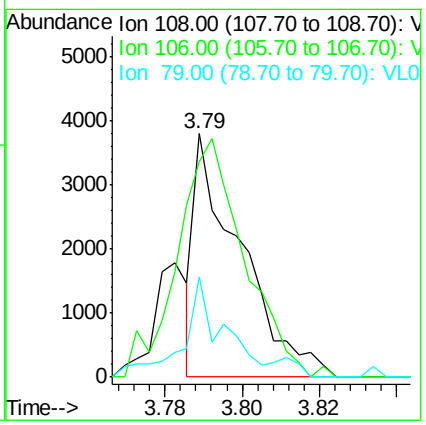


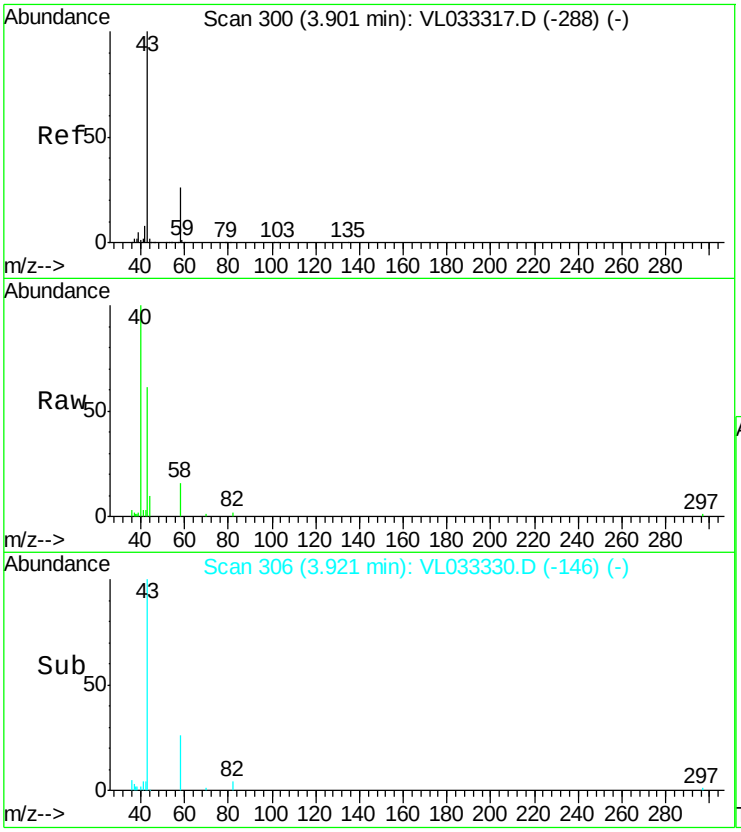


#14
Bromoethene
Concen: 0.078 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion:108 Resp: 3126

Ion	Ratio	Lower	Upper
108	100		
106	143.4	86.2	129.2#
79	40.0	15.4	23.2#



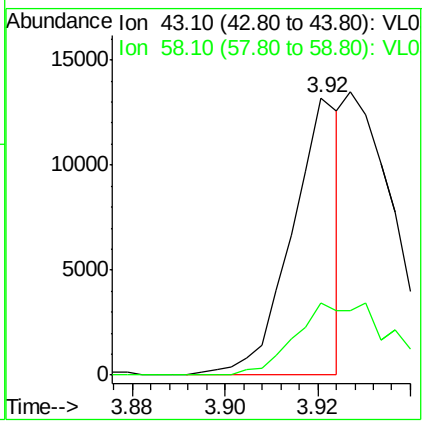


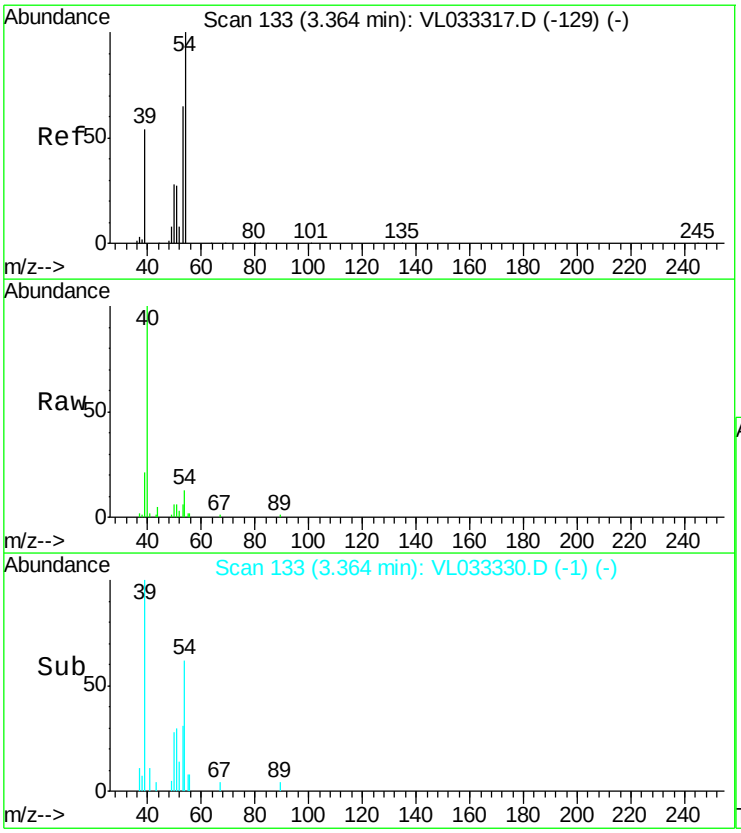
#15
Acetone
Concen: 0.073 ppbv
RT: 3.92 min Scan# 306
Delta R.T. 0.02 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 43 Resp: 9503

Ion	Ratio	Lower	Upper
43	100		
58	0.0	20.4	30.6#

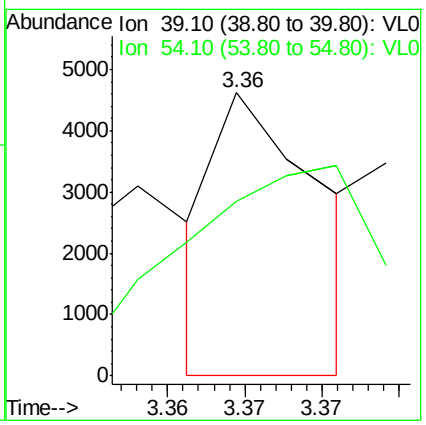


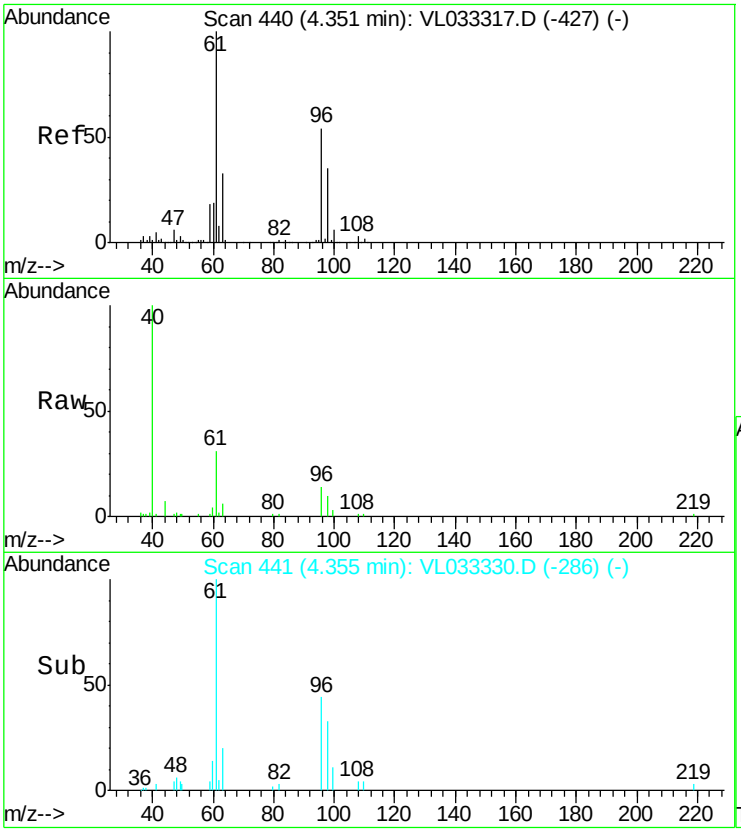


#16
1,3-Butadiene
Concen: 0.047 ppbv
RT: 3.36 min Scan# 133
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 39 Resp: 2149

Ion	Ratio	Lower	Upper
39	100		
54	0.0	76.8	115.2#



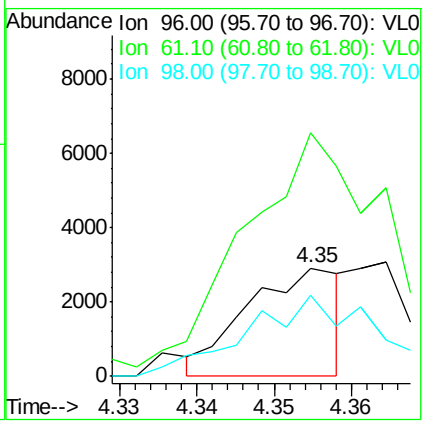


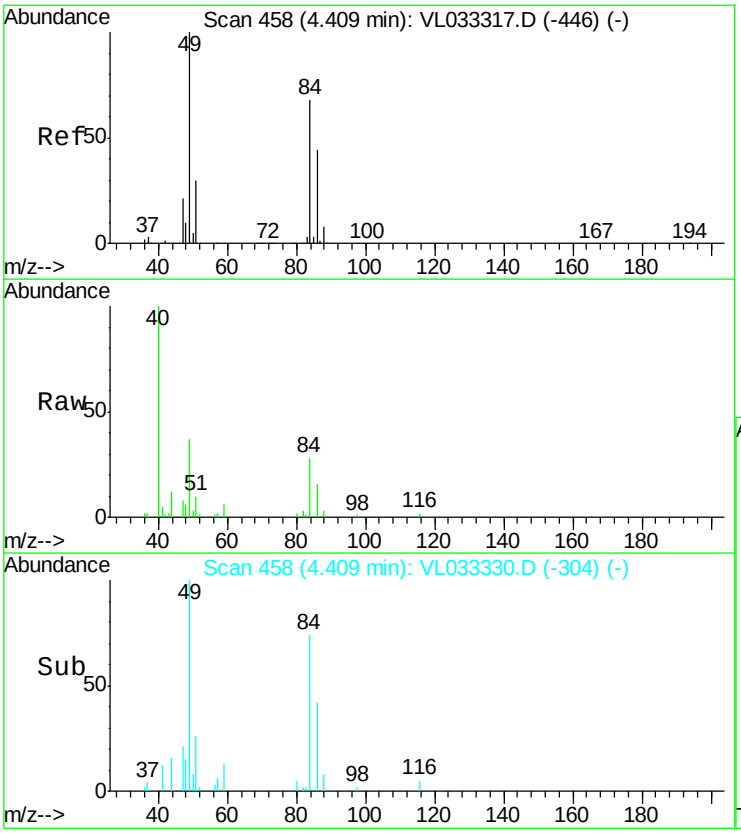
#18
1,1-Dichloroethene
Concen: 0.058 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 96 Resp: 2452

Ion	Ratio	Lower	Upper
96	100		
61	212.1	148.6	222.8
98	67.7	50.3	75.5

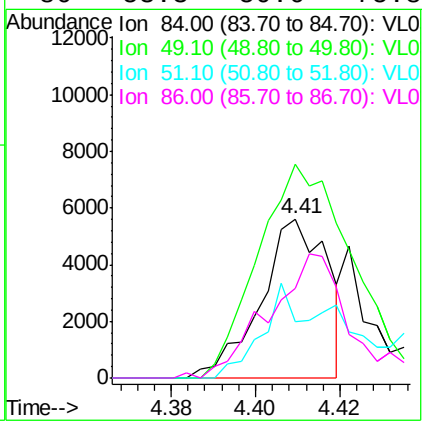


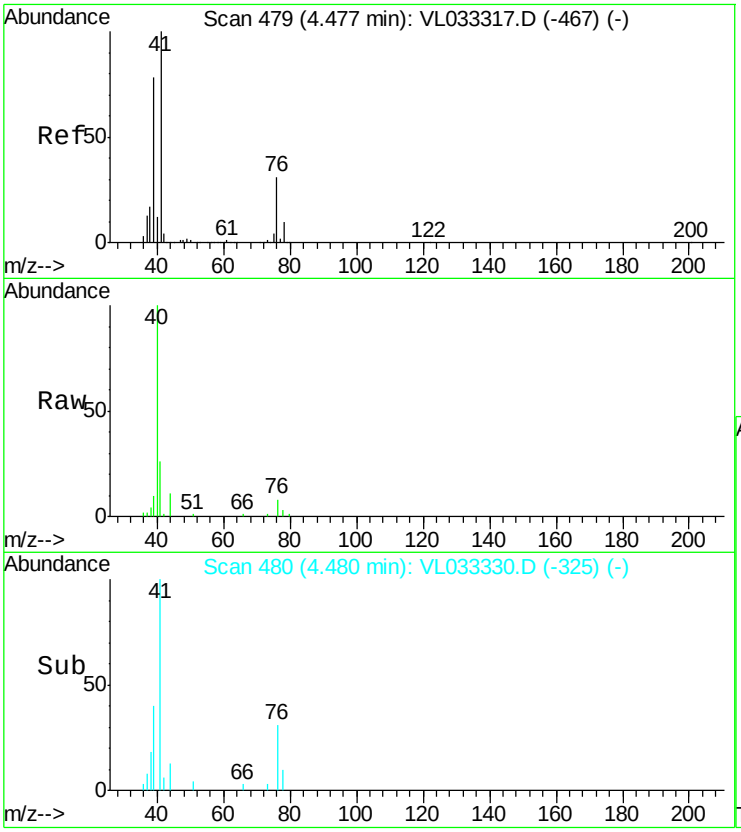


#20
Methylene Chloride
Concen: 0.148 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 84 Resp: 6150

Ion	Ratio	Lower	Upper
84	100		
49	134.4	115.4	173.0
51	35.5	35.8	53.6#
86	53.3	50.6	75.8



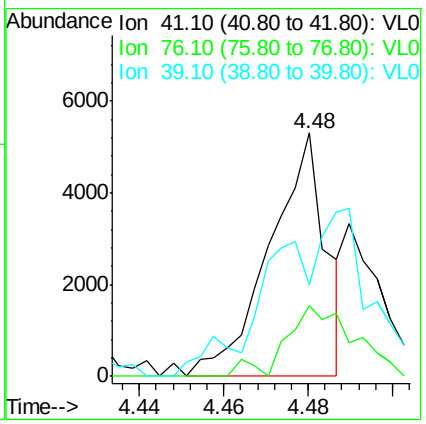


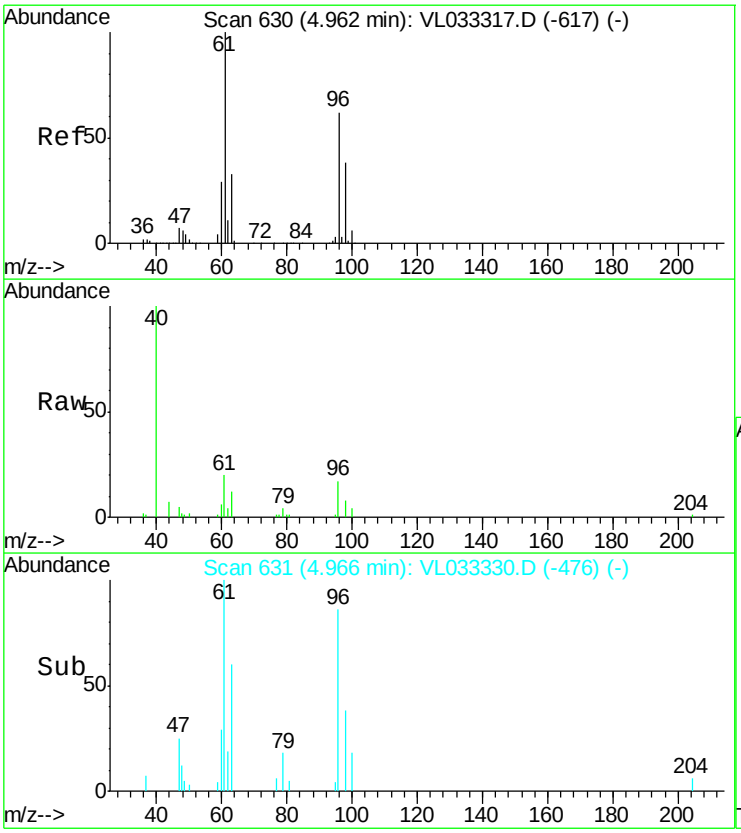
#21
Allyl Chloride
Concen: 0.076 ppbv
RT: 4.48 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 41 Resp: 4876

Ion	Ratio	Lower	Upper
41	100		
76	35.4	25.0	37.4
39	0.0	65.9	98.9#

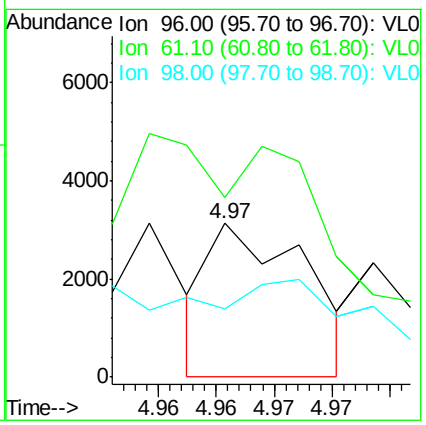


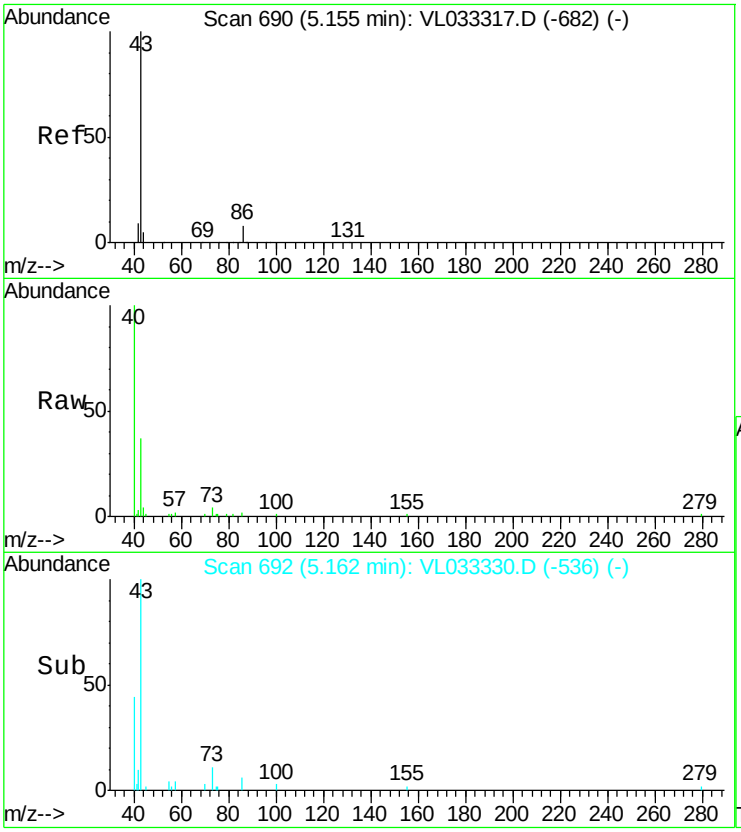


#22
trans-1,2-Dichloroethene
Concen: 0.044 ppbv
RT: 4.97 min Scan# 631
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 96 Resp: 1831

Ion	Ratio	Lower	Upper
96	100		
61	66.7	130.0	195.0#
98	9.5	50.0	75.0#



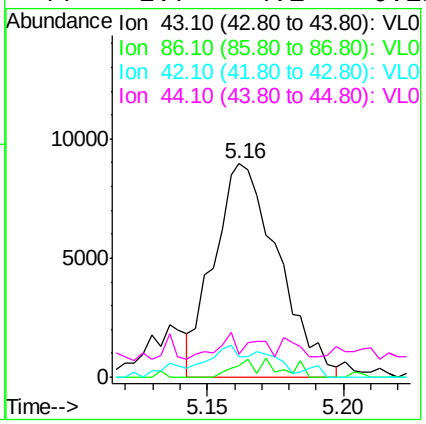


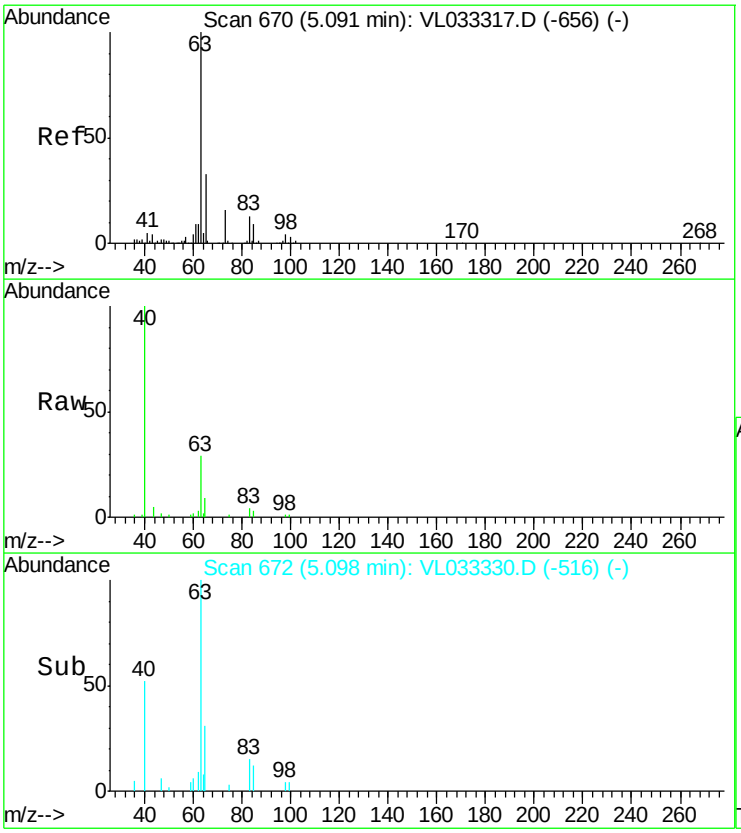
#23
Vinyl Acetate
Concen: 0.097 ppbv
RT: 5.16 min Scan# 692
Delta R.T. 0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 43 Resp: 14682

Ion	Ratio	Lower	Upper
43	100		
86	6.0	6.2	9.2#
42	9.9	8.1	12.1
44	2.7	4.1	6.1#

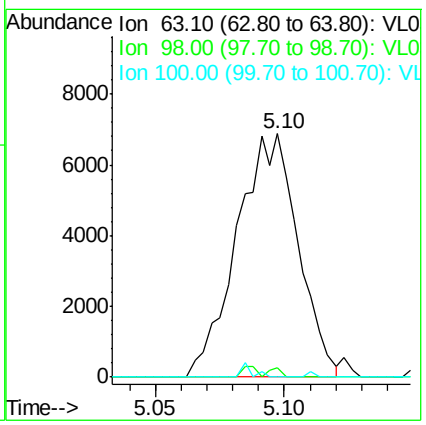


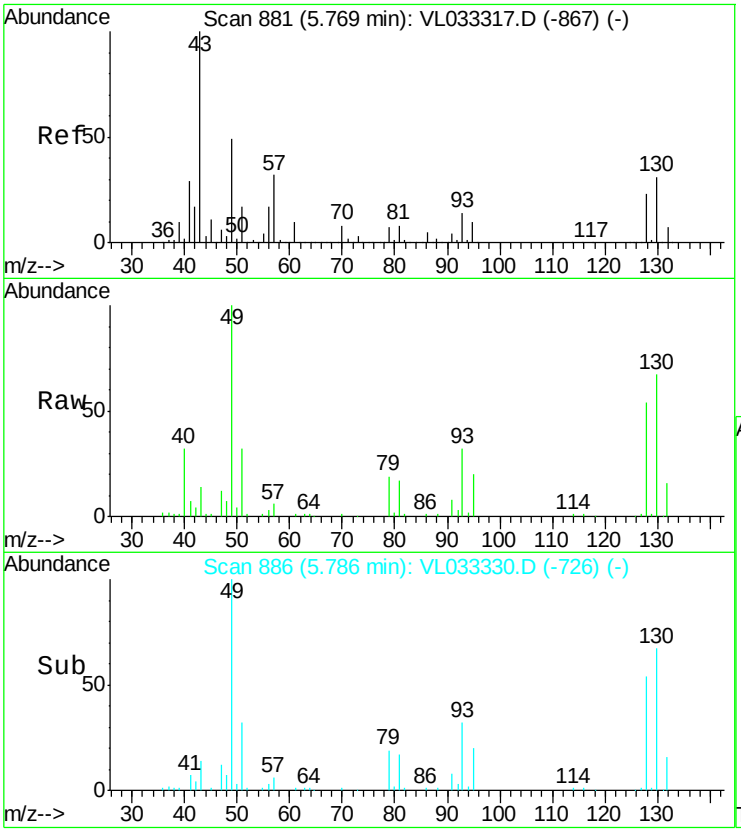


#24
1,1-Dichloroethane
Concen: 0.106 ppbv
RT: 5.10 min Scan# 672
Delta R.T. 0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 63 Resp: 11375

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.4	7.1
100	0.0	1.3	3.8#



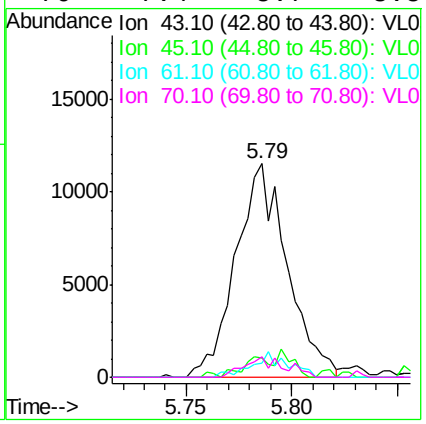


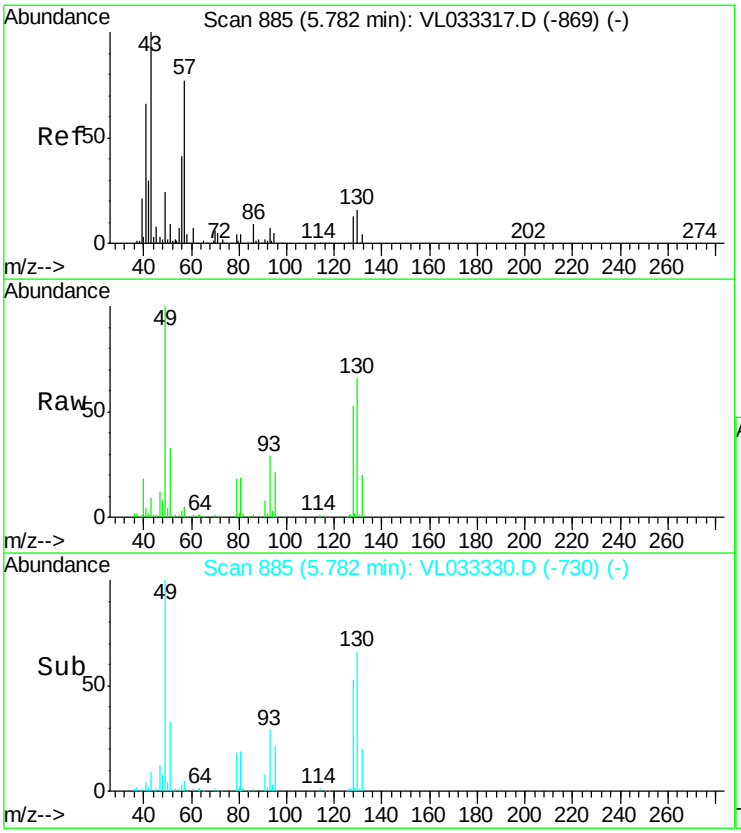
#25
Ethyl Acetate
Concen: 0.104 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.02 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 43 Resp: 19436

Ion	Ratio	Lower	Upper
43	100		
45	10.4	7.9	11.9
61	8.1	7.4	11.2
70	7.4	5.7	8.5

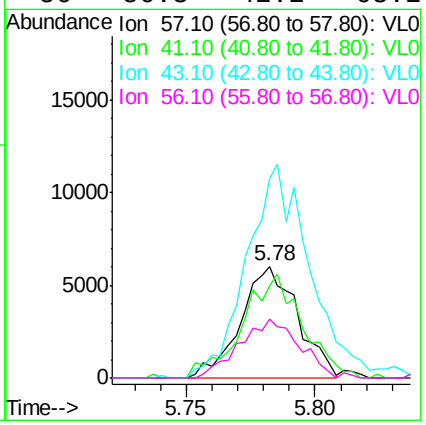


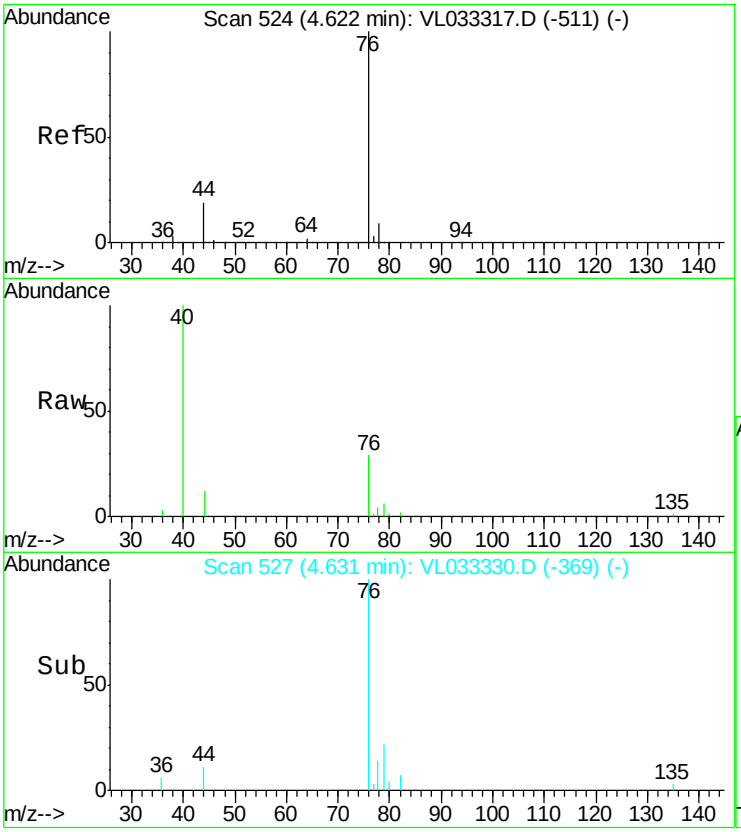


#26
Hexane
Concen: 0.108 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 57 Resp: 9291

Ion	Ratio	Lower	Upper
57	100		
41	98.3	70.5	105.7
43	220.1	181.8	272.8
56	56.3	42.2	63.2



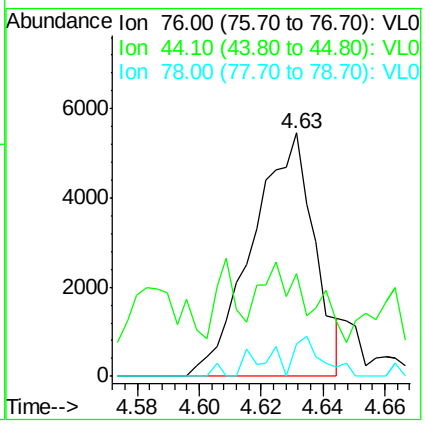


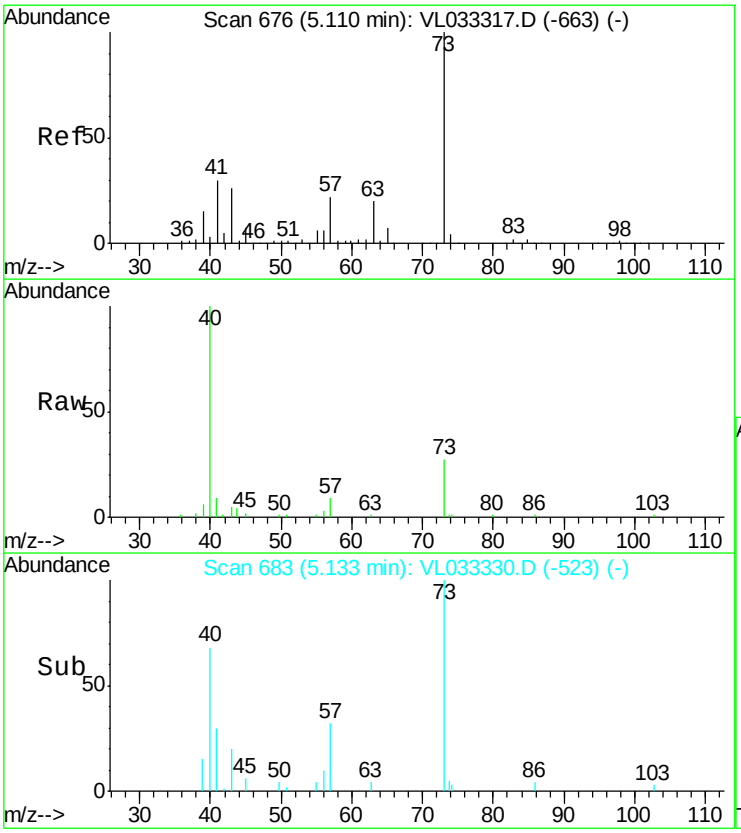
#27
Carbon Disulfide
Concen: 0.078 ppbv
RT: 4.63 min Scan# 527
Delta R.T. 0.01 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 76 Resp: 7570

Ion	Ratio	Lower	Upper
76	100		
44	34.4	15.2	22.8#
78	12.9	7.2	10.8#

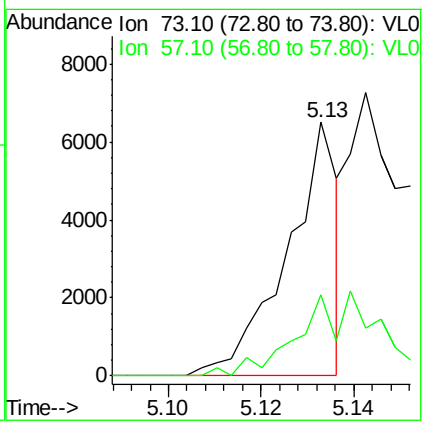


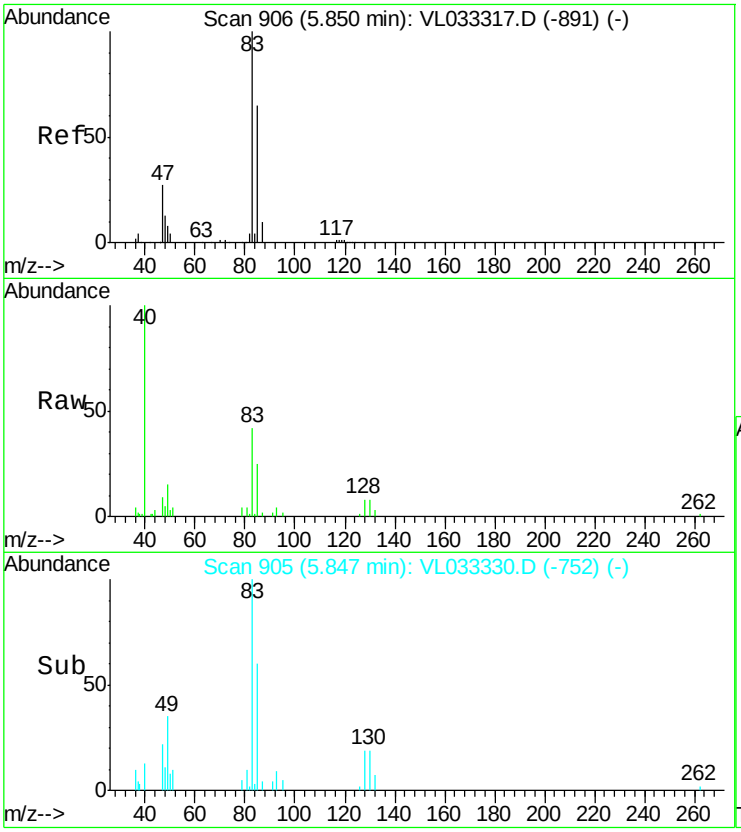


#28
Methyl tert-Butyl Ether
Concen: 0.040 ppbv
RT: 5.13 min Scan# 683
Delta R.T. 0.02 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 73 Resp: 4894

Ion	Ratio	Lower	Upper
73	100		
57	0.0	17.4	26.0#



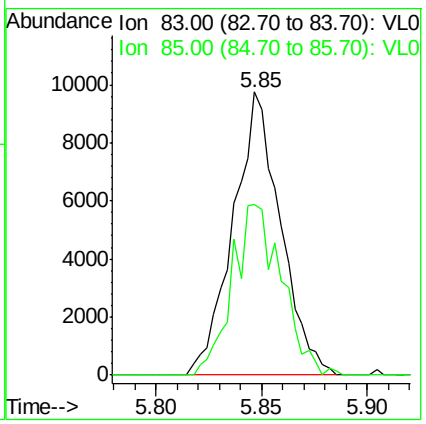


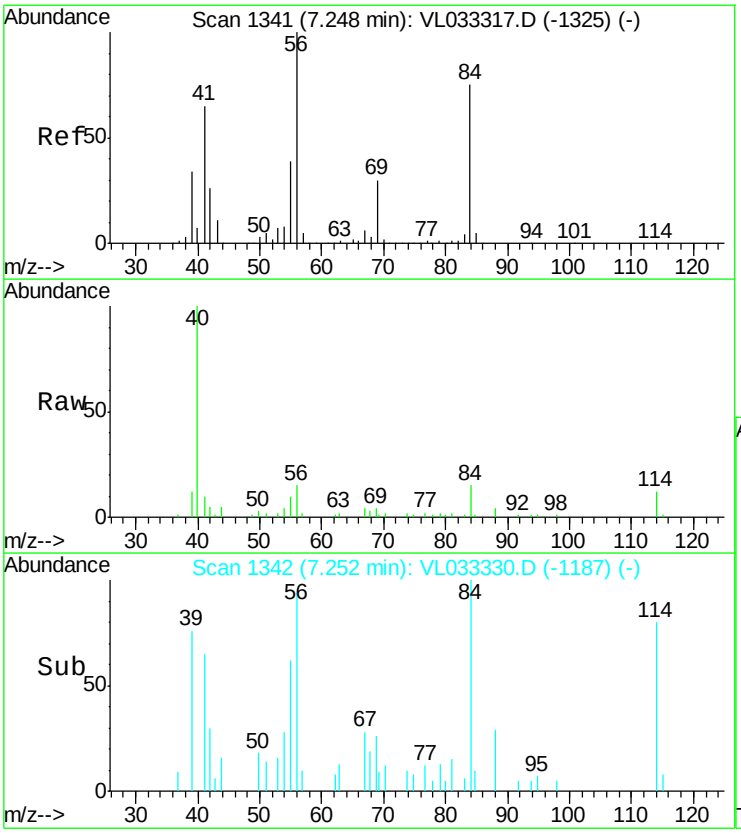
#29
Chloroform
Concen: 0.109 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 83 Resp: 15173

Ion	Ratio	Lower	Upper
83	100		
85	60.4	52.0	78.0

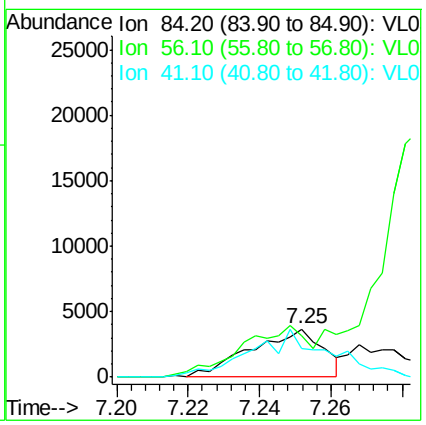


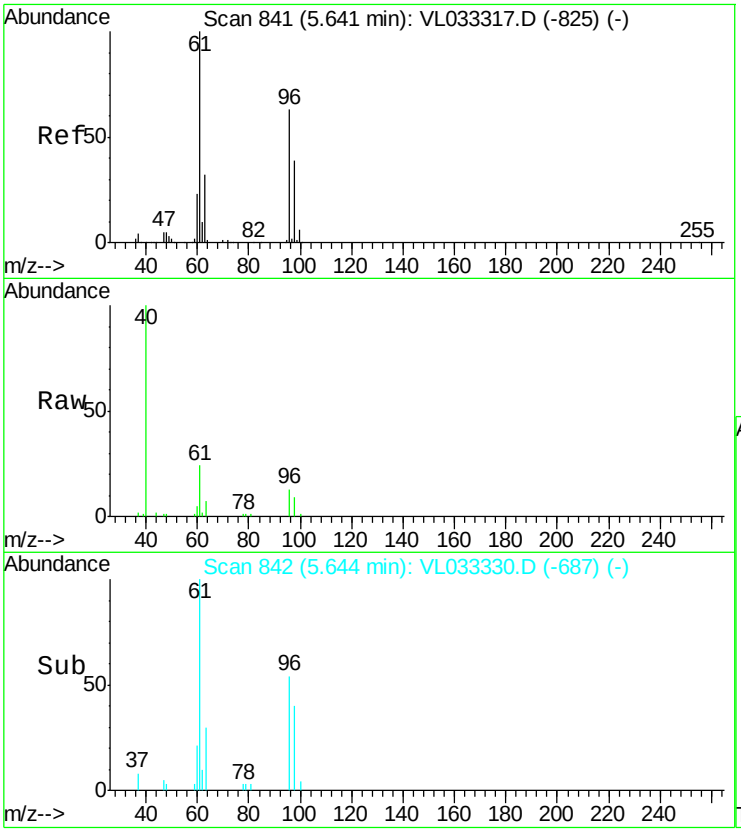


#30
Cyclohexane
Concen: 0.075 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 84 Resp: 5065

Ion	Ratio	Lower	Upper
84	100		
56	0.0	111.3	166.9#
41	116.2	69.6	104.4#



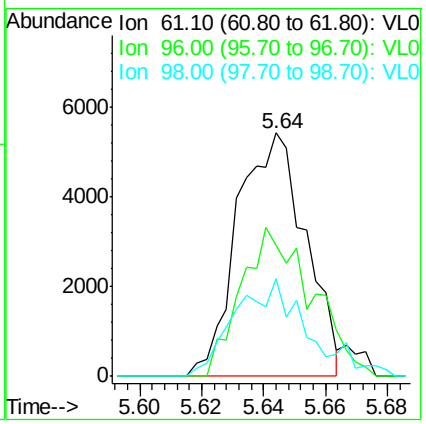


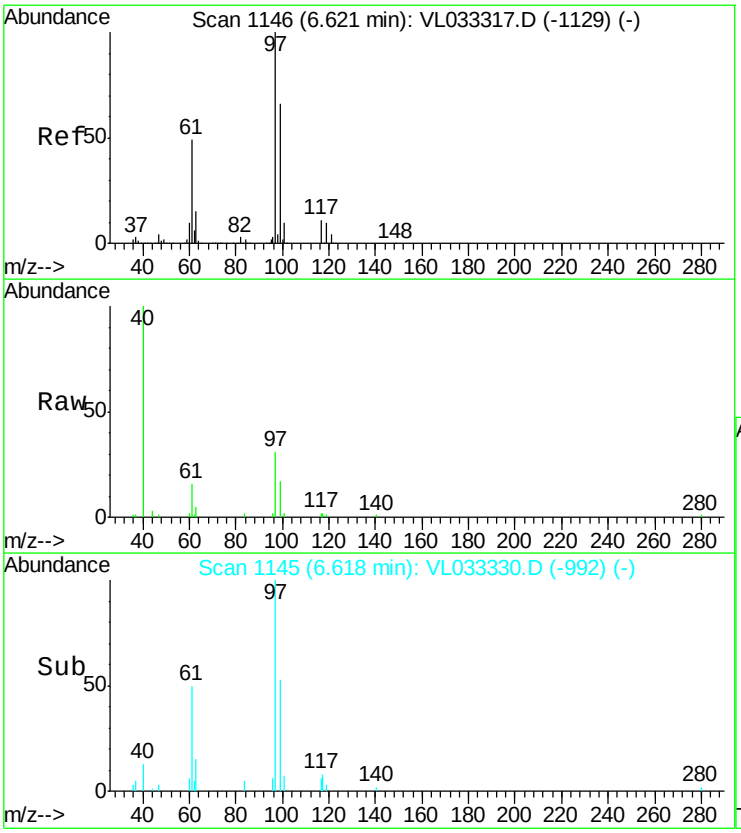
#31
cis-1,2-Dichloroethene
Concen: 0.097 ppbv
RT: 5.64 min Scan# 842
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 61 Resp: 8227

Ion	Ratio	Lower	Upper
61	100		
96	49.0	50.3	75.5#
98	36.2	31.5	47.3

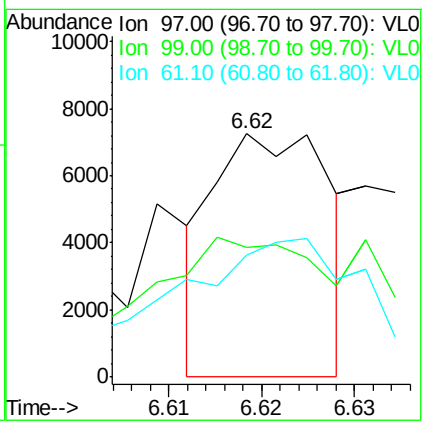


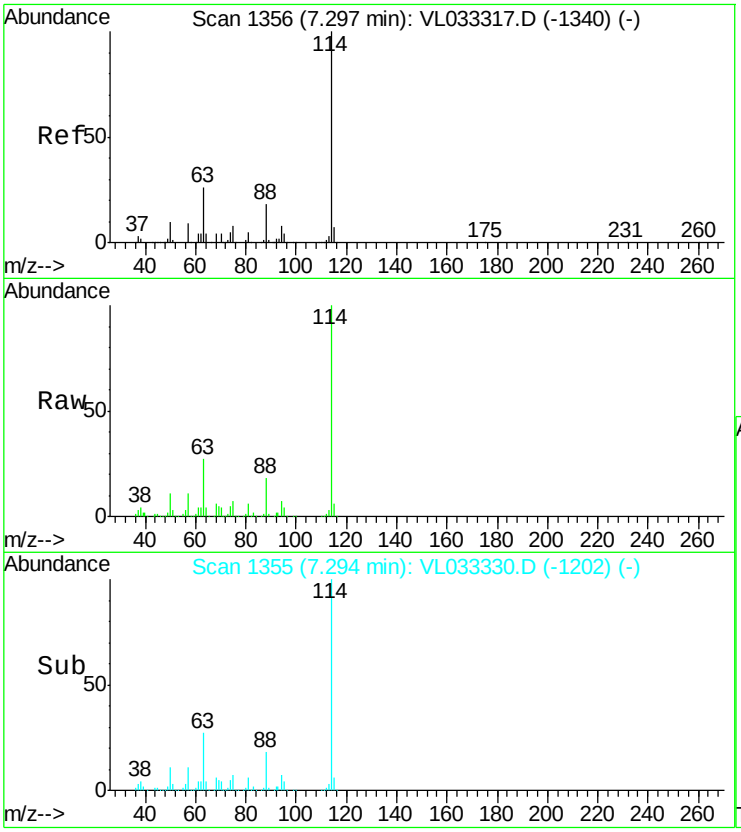


#32
1,1,1-Trichloroethane
Concen: 0.045 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 97 Resp: 6239

Ion	Ratio	Lower	Upper
97	100		
99	134.1	51.0	76.6#
61	0.0	39.3	58.9#



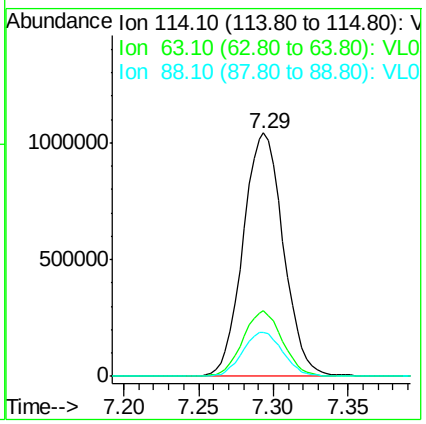


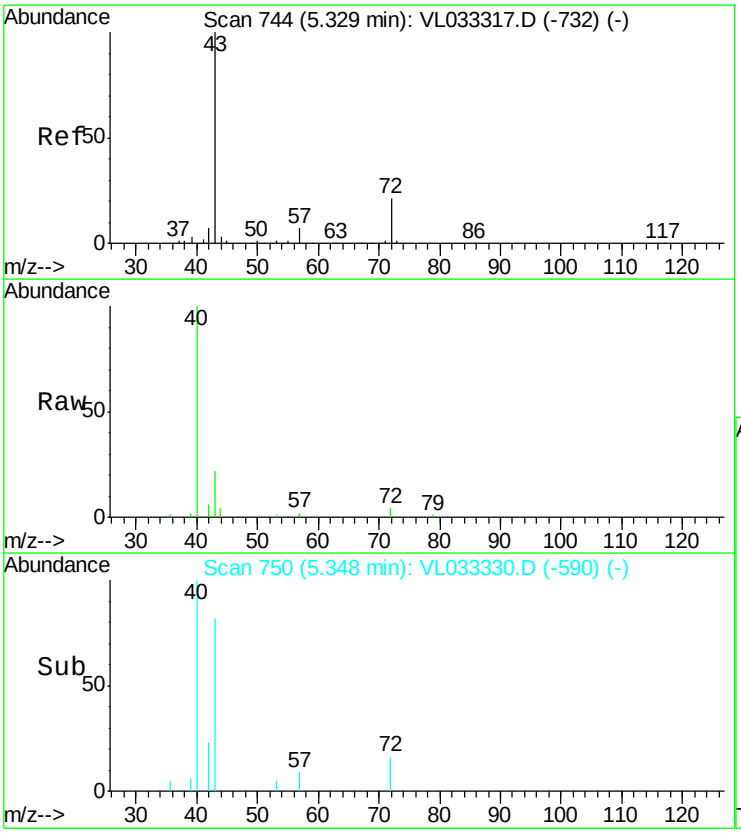
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:114 Resp: 1946924

Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.4	32.2
88	18.3	14.5	21.7

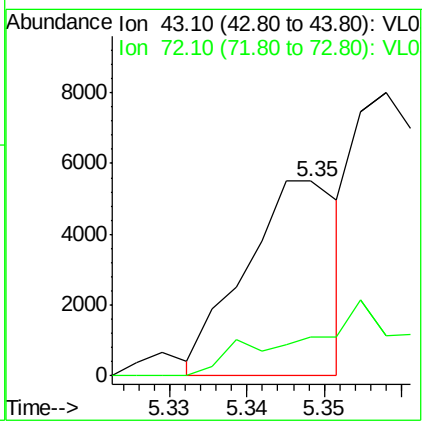


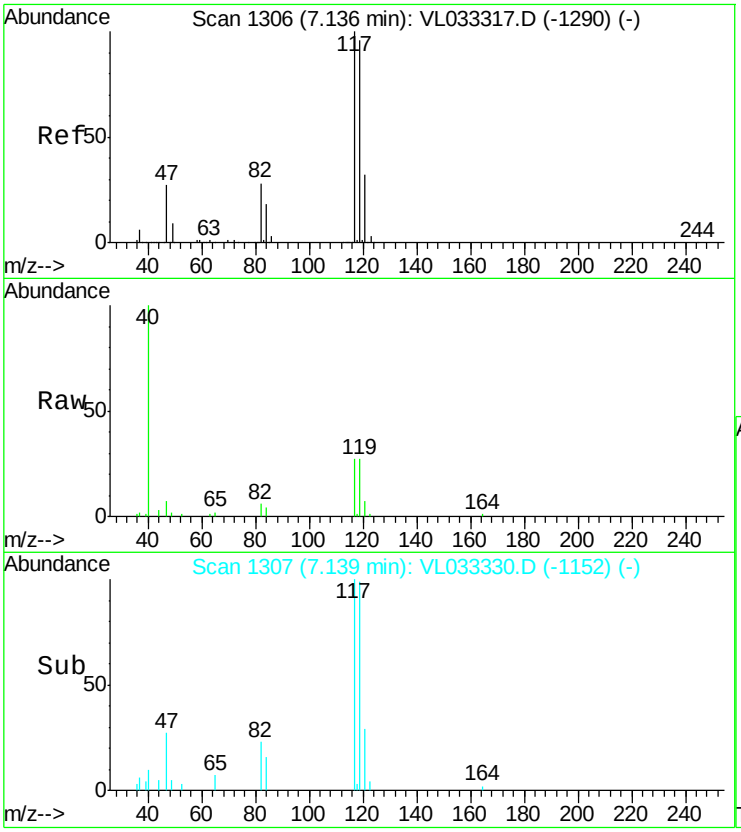


#34
2-Butanone
Concen: 0.038 ppbv
RT: 5.35 min Scan# 750
Delta R.T. 0.02 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 43 Resp: 4661

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#



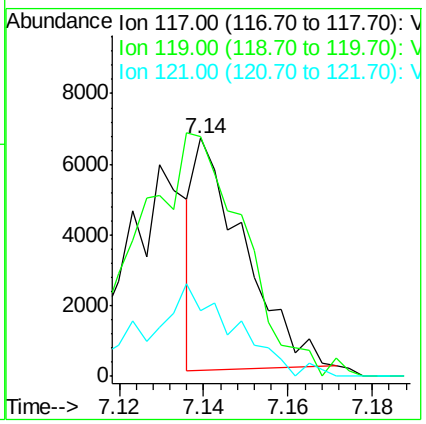


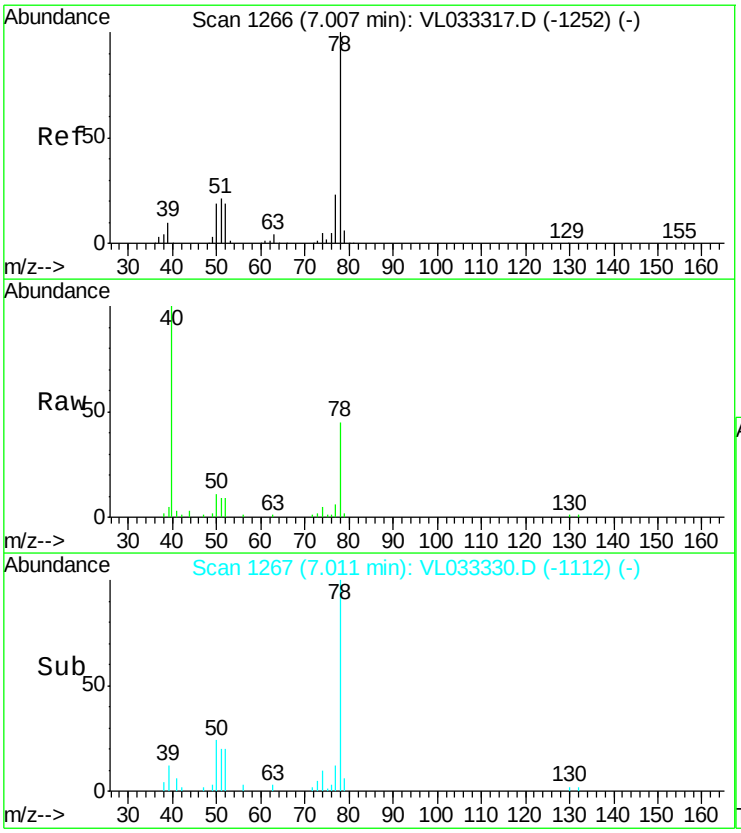
#35
Carbon Tetrachloride
Concen: 0.038 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:117 Resp: 5316

Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.4	116.0
121	28.9	24.9	37.3

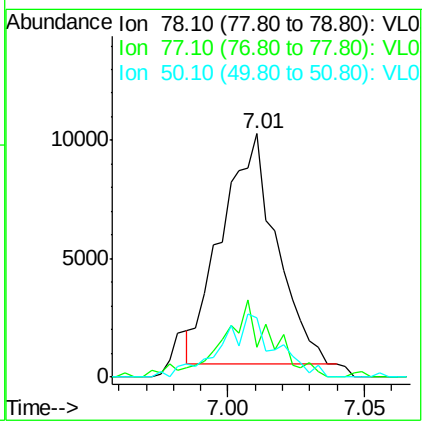


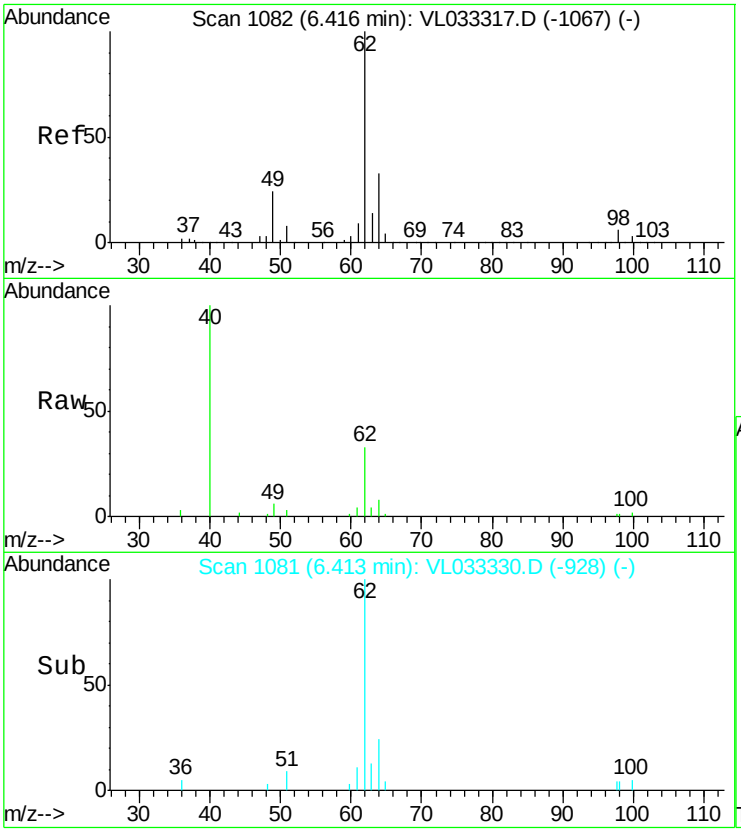


#36
Benzene
Concen: 0.078 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 78 Resp: 13576

Ion	Ratio	Lower	Upper
78	100		
77	13.2	18.1	27.1#
50	25.8	15.2	22.8#



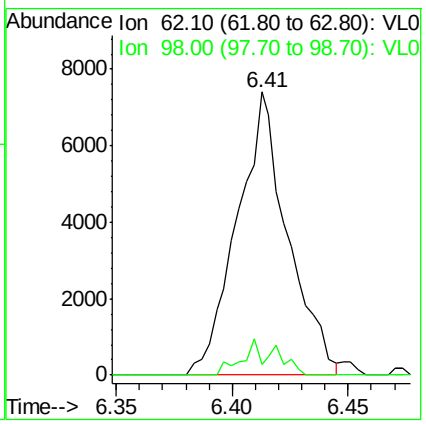


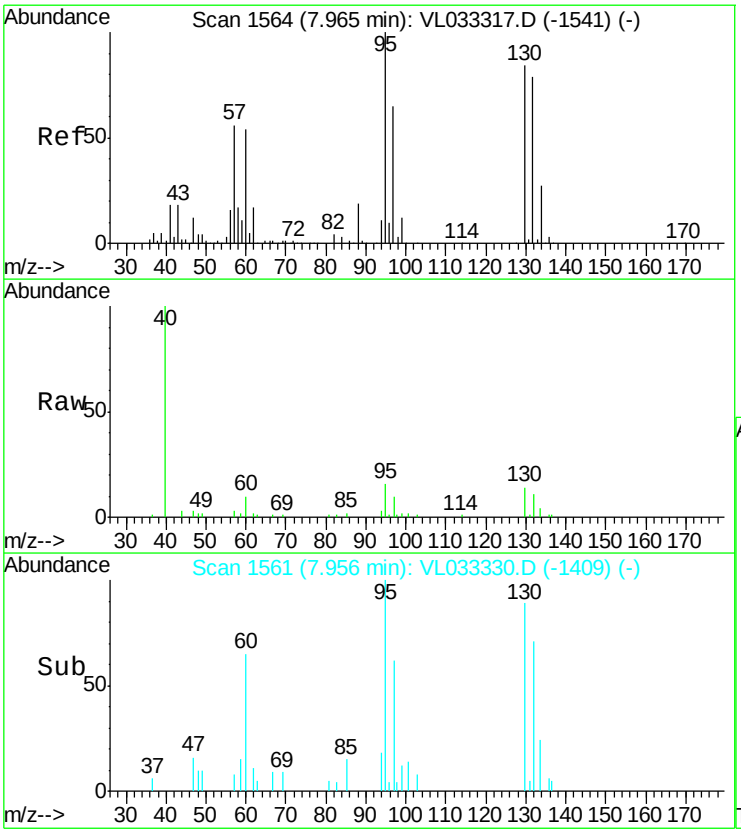
#37
1,2-Dichloroethane
Concen: 0.104 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 62 Resp: 11236

Ion	Ratio	Lower	Upper
62	100		
98	8.0	4.5	6.7#

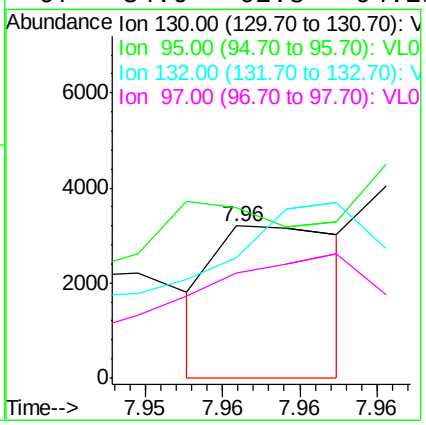


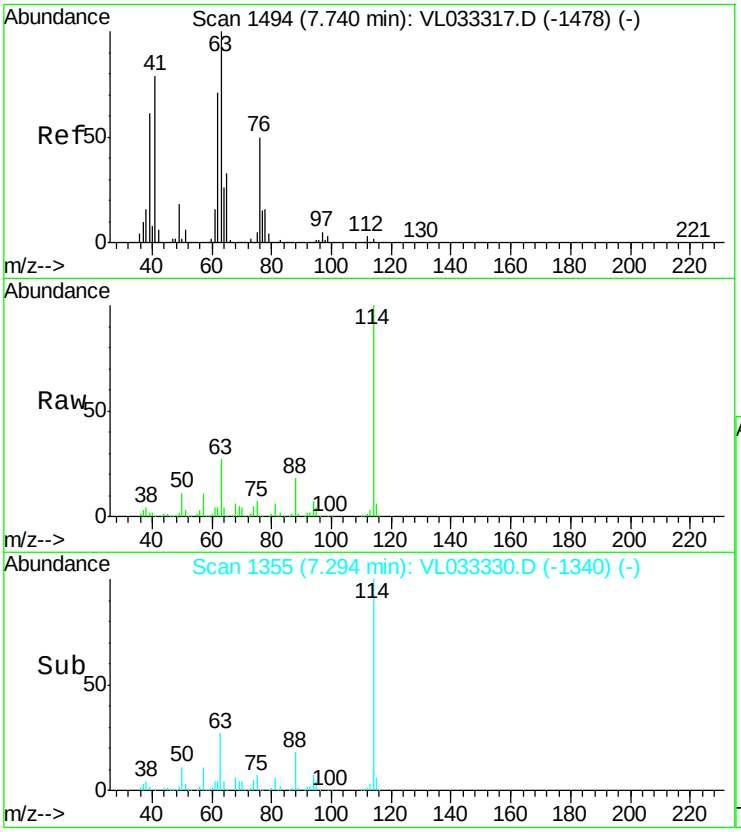


#38
Trichloroethene
Concen: 0.026 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion:130 Resp: 1806

Ion	Ratio	Lower	Upper
130	100		
95	32.5	95.2	142.8#
132	32.6	77.7	116.5#
97	34.0	62.8	94.2#



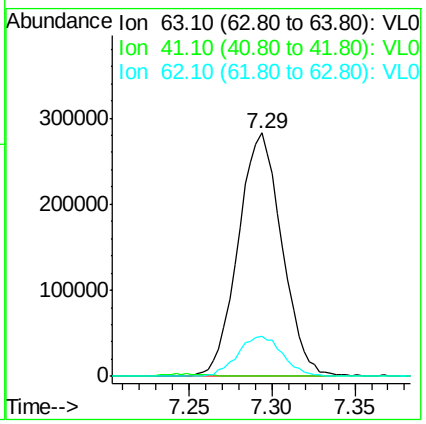


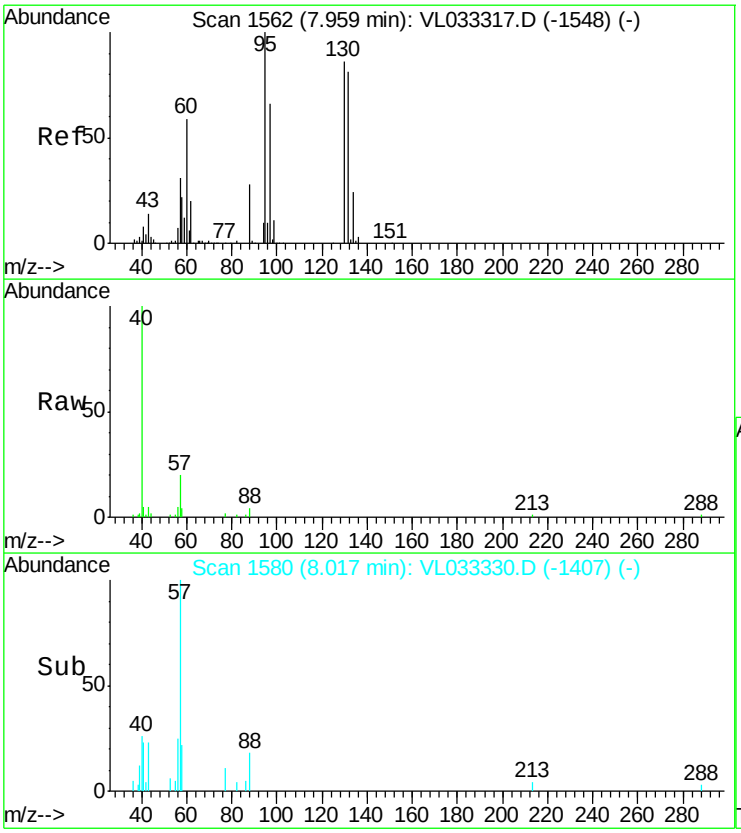
#39
1,2-Dichloropropane
Concen: 7.799 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.45 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 63 Resp: 516449

Ion	Ratio	Lower	Upper
63	100		
41	0.1	59.5	89.3#
62	16.2	54.7	82.1#

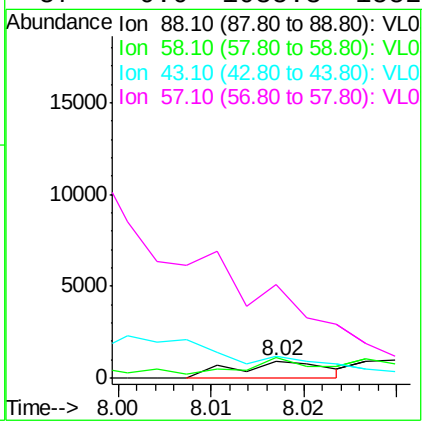


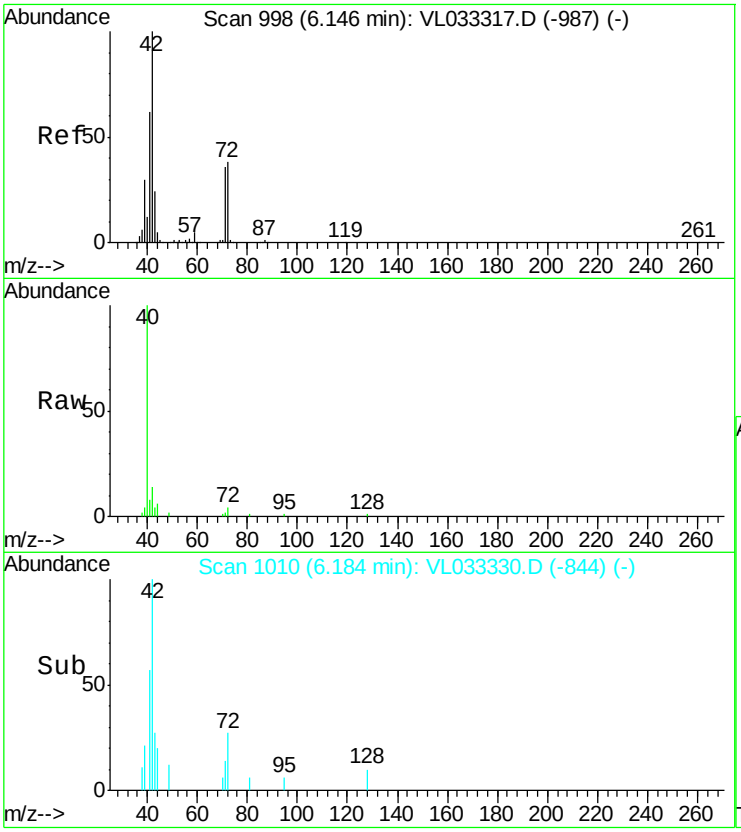


#40
1,4-Dioxane
Concen: 0.026 ppbv
RT: 8.02 min Scan# 1580
Delta R.T. 0.06 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 88 Resp: 624

Ion	Ratio	Lower	Upper
88	100		
58	323.2	107.9	161.9#
43	0.0	230.8	346.2#
57	0.0	1035.3	1552.9#



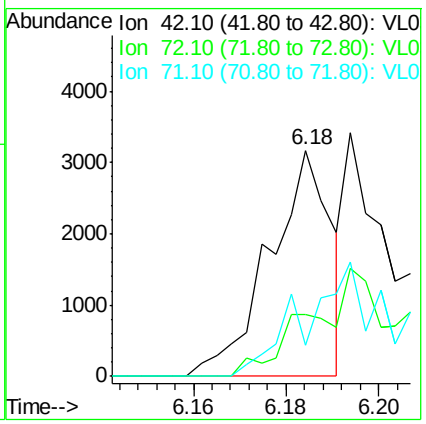


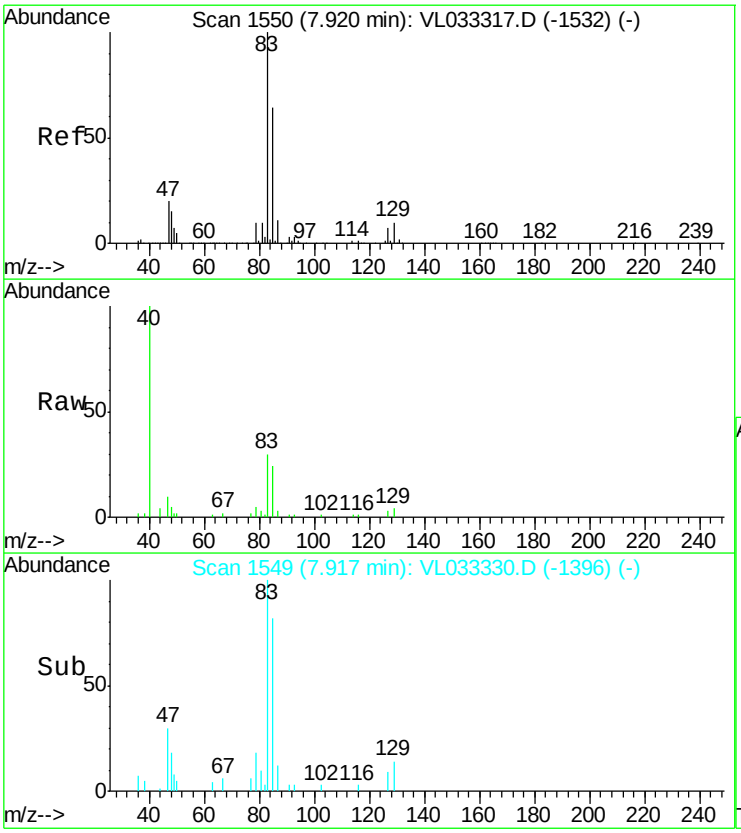
#41
Tetrahydrofuran
Concen: 0.042 ppbv
RT: 6.18 min Scan# 1010
Delta R.T. 0.04 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 42 Resp: 2899

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.6	47.4#
71	0.0	29.9	44.9#

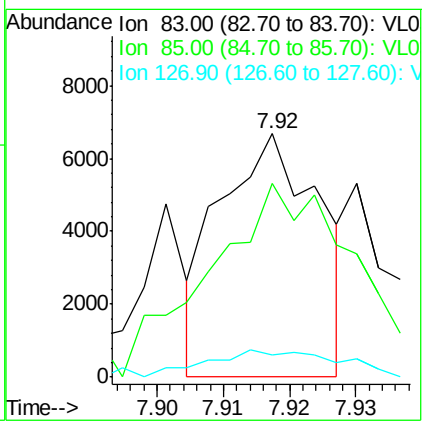


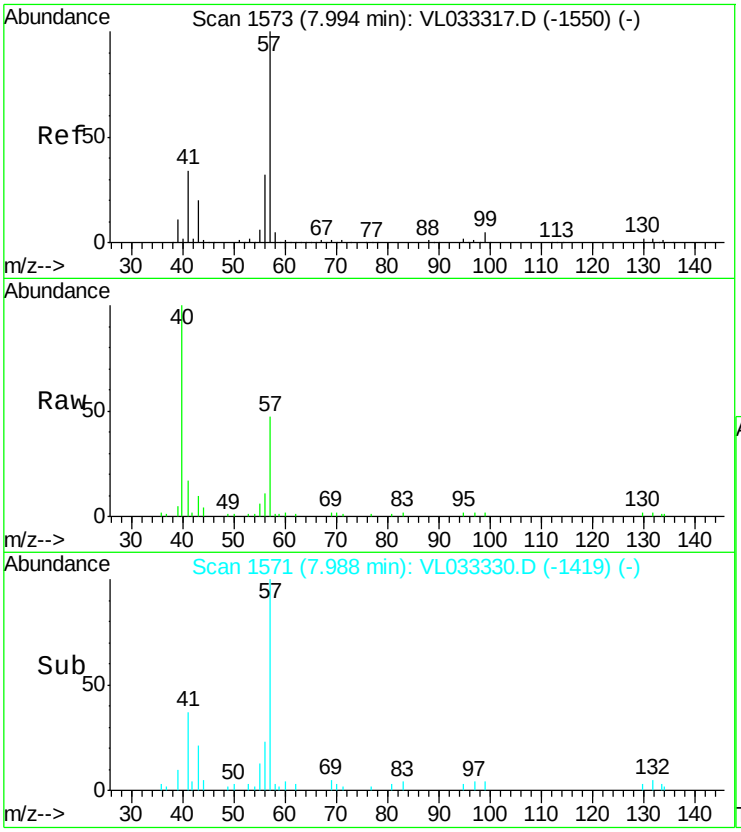


#42
Bromodichloromethane
Concen: 0.047 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.01 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 83 Resp: 7007

Ion	Ratio	Lower	Upper
83	100		
85	84.0	51.8	77.6#
127	8.4	6.2	9.2



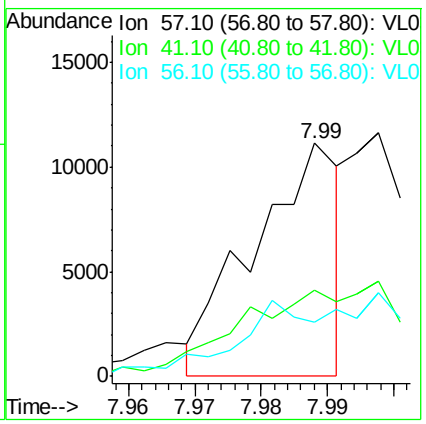


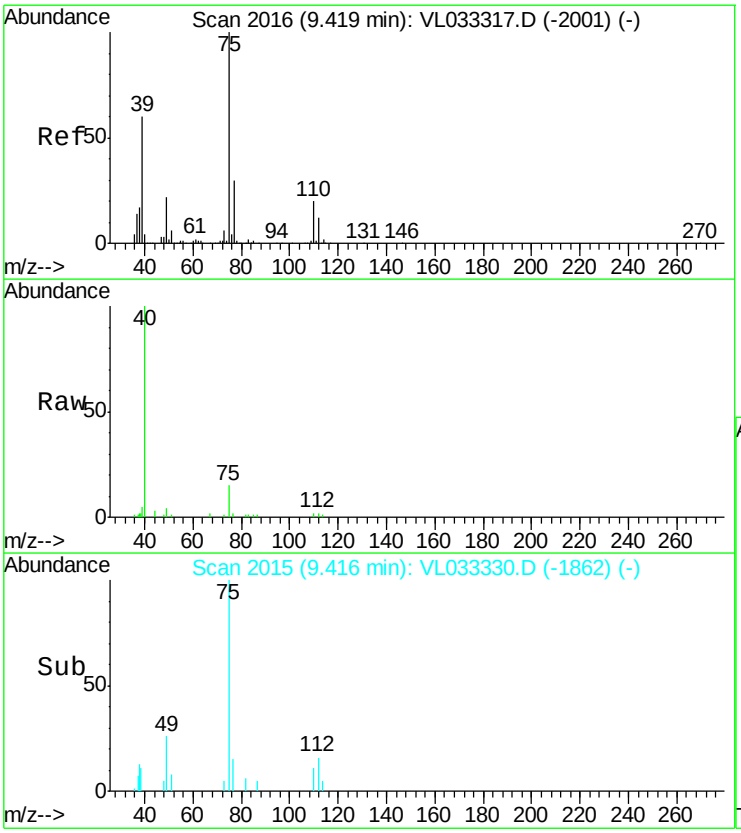
#44
2,2,4-Trimethylpentane
Concen: 0.034 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 57 Resp: 10052

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.0	39.0#
56	0.0	24.6	36.8#

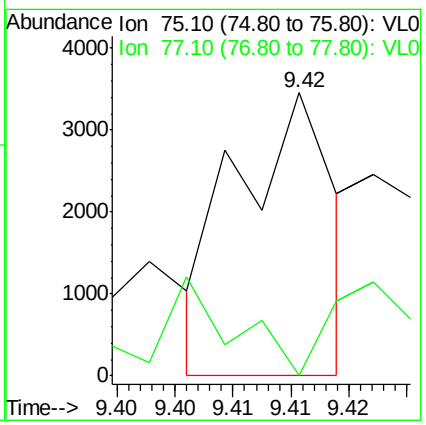


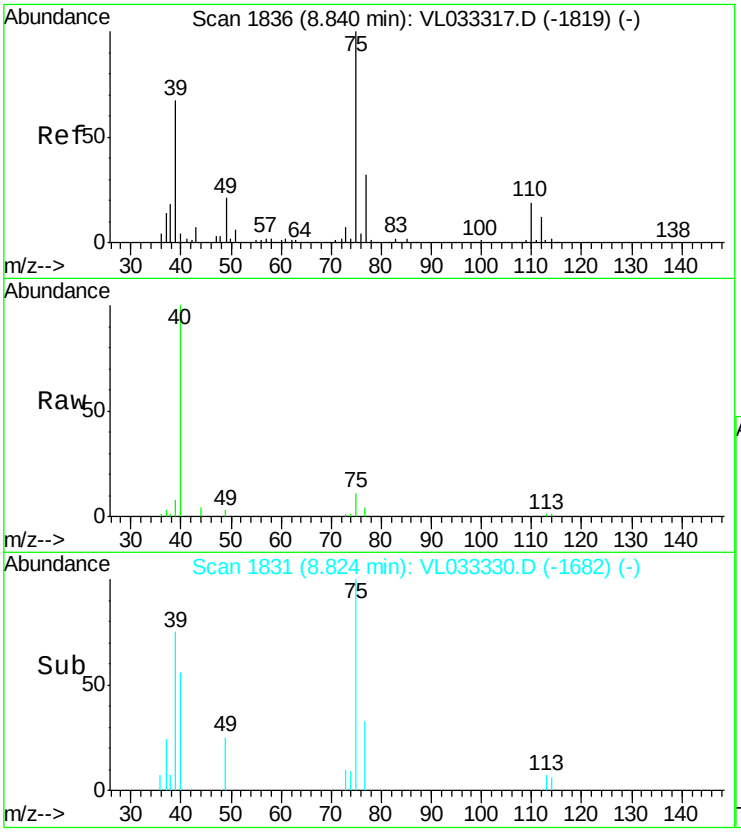


#45
t-1,3-Dichloropropene
Concen: 0.024 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.01 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 75 Resp: 2017

Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.5	38.3#



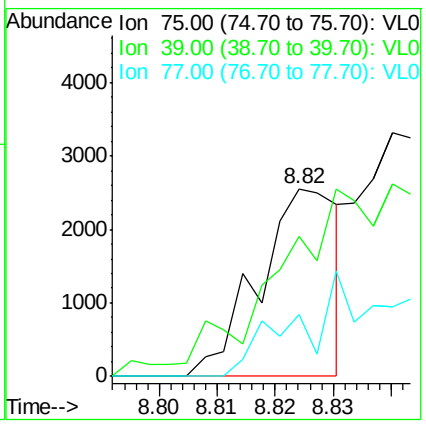


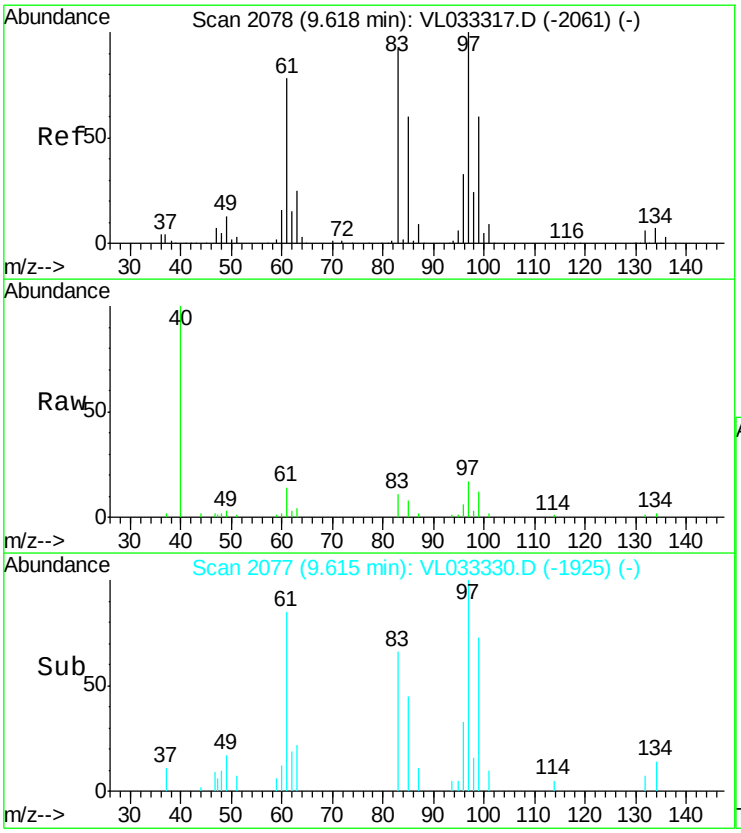
#46
cis-1,3-Dichloropropene
Concen: 0.025 ppbv
RT: 8.82 min Scan# 1831
Delta R.T. -0.02 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 75 Resp: 2412

Ion	Ratio	Lower	Upper
75	100		
39	67.2	55.0	82.6
77	33.2	24.5	36.7

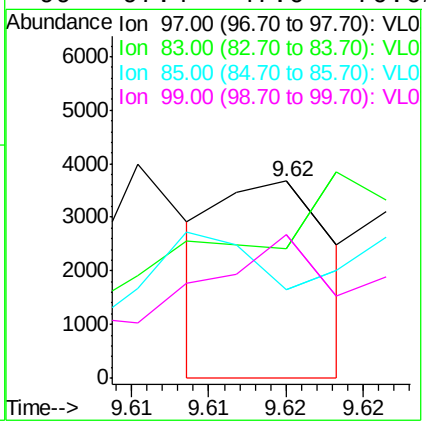


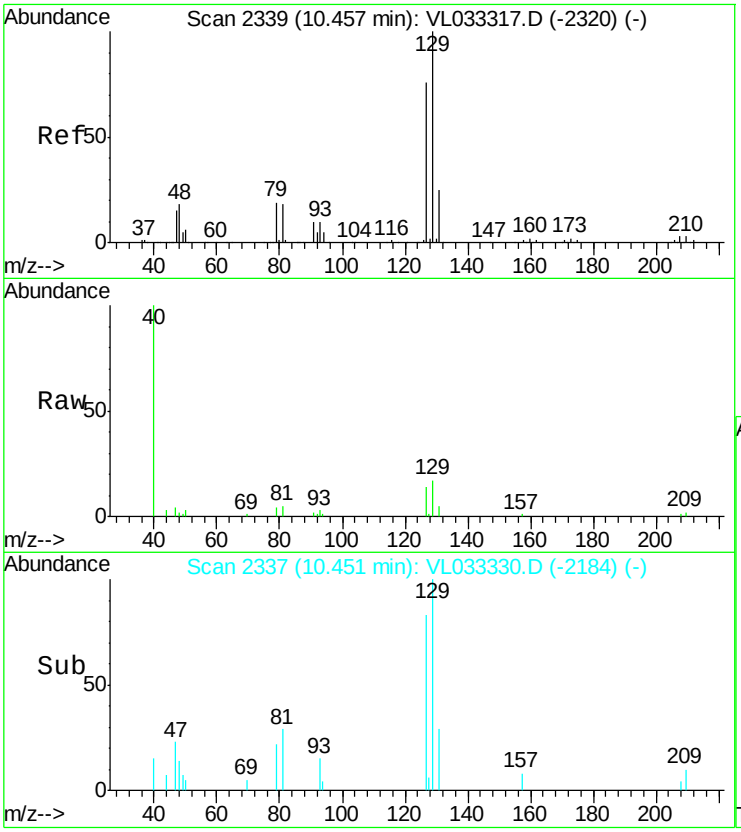


#47
1,1,2-Trichloroethane
Concen: 0.026 ppbv
RT: 9.62 min Scan# 2077
Delta R.T. -0.01 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 97 Resp: 1860

Ion	Ratio	Lower	Upper
97	100		
83	0.0	67.4	101.0#
85	0.0	43.0	64.4#
99	97.4	47.0	70.6#



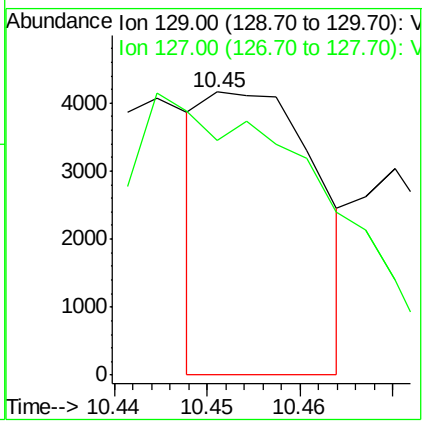


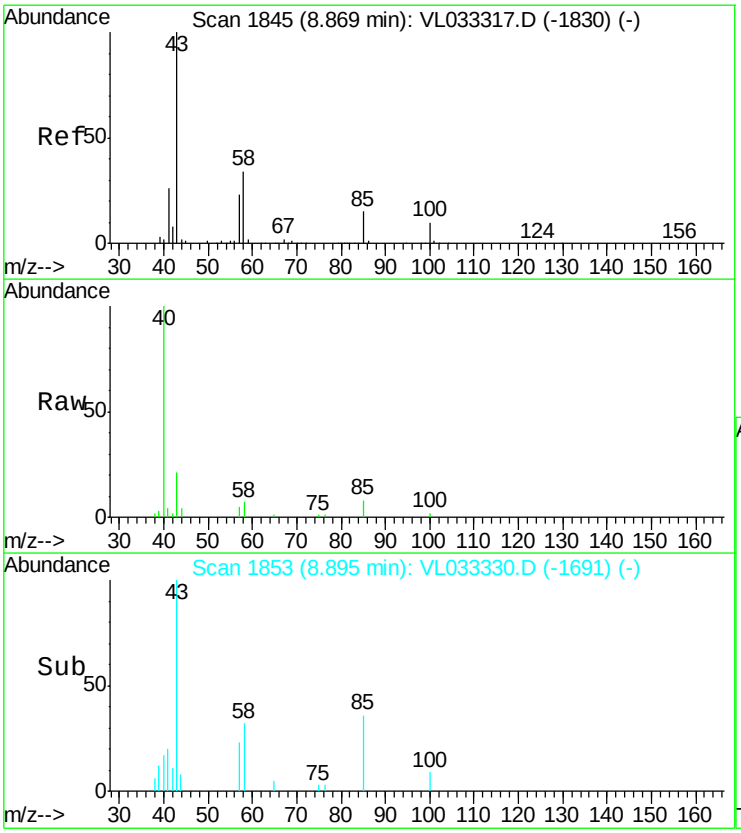
#48
Dibromochloromethane
Concen: 0.029 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. -0.01 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:129 Resp: 3490

Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.9	116.6#

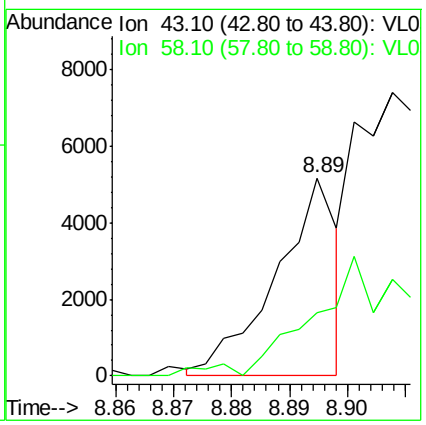


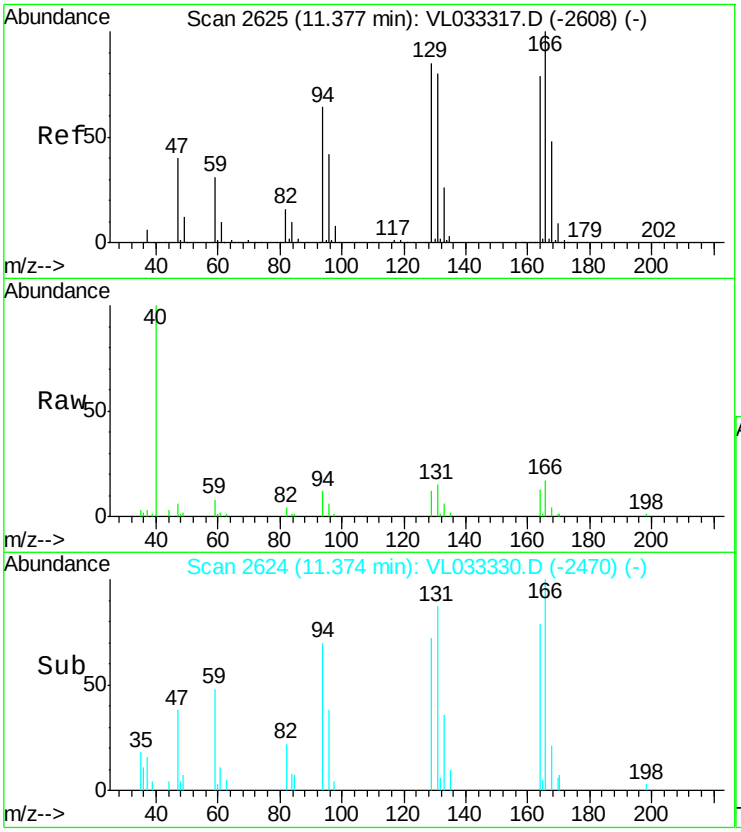


#50
4-Methyl-2-Pentanone
Concen: 0.021 ppbv
RT: 8.89 min Scan# 1853
Delta R.T. 0.02 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 43 Resp: 3799

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.4	42.6#



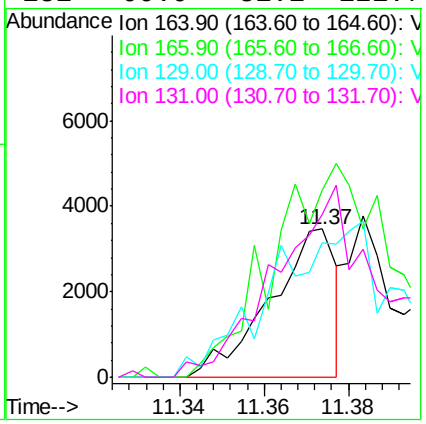


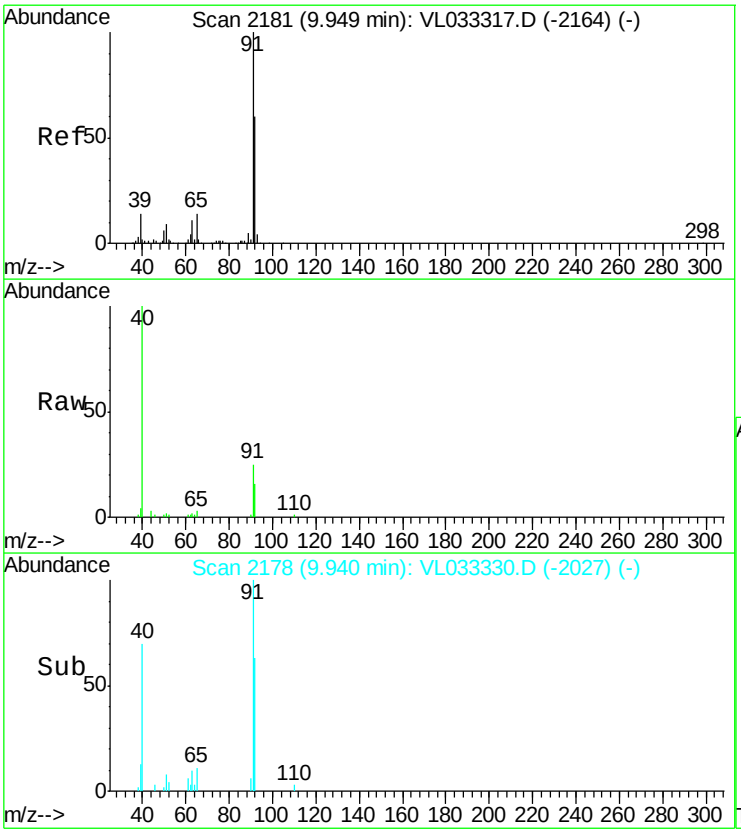
#52
Tetrachloroethene
Concen: 0.053 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:164 Resp: 3737

Ion	Ratio	Lower	Upper
164	100		
166	126.2	101.5	152.3
129	76.4	82.2	123.2#
131	99.9	81.1	121.7

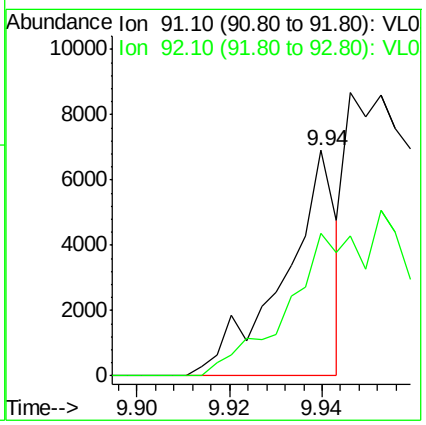


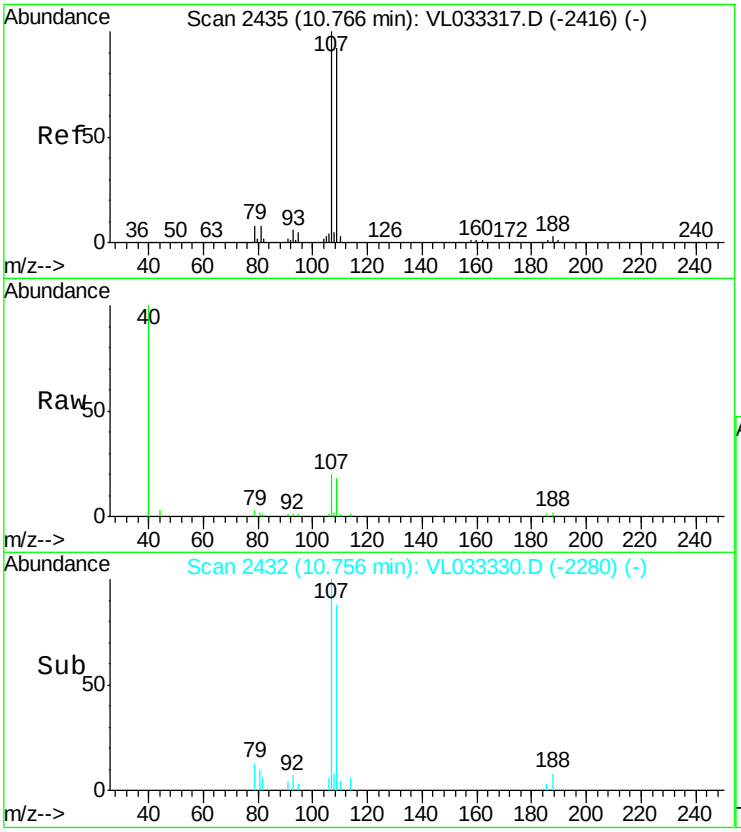


#53
Toluene
Concen: 0.027 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 91 Resp: 5375

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.4	71.0#



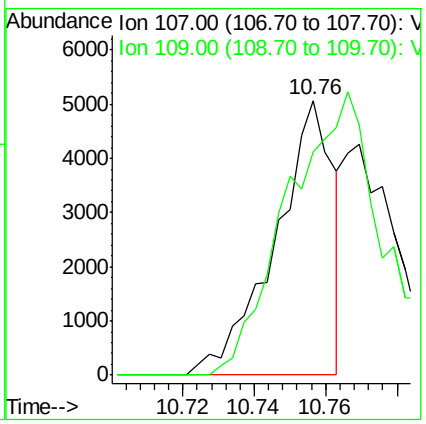


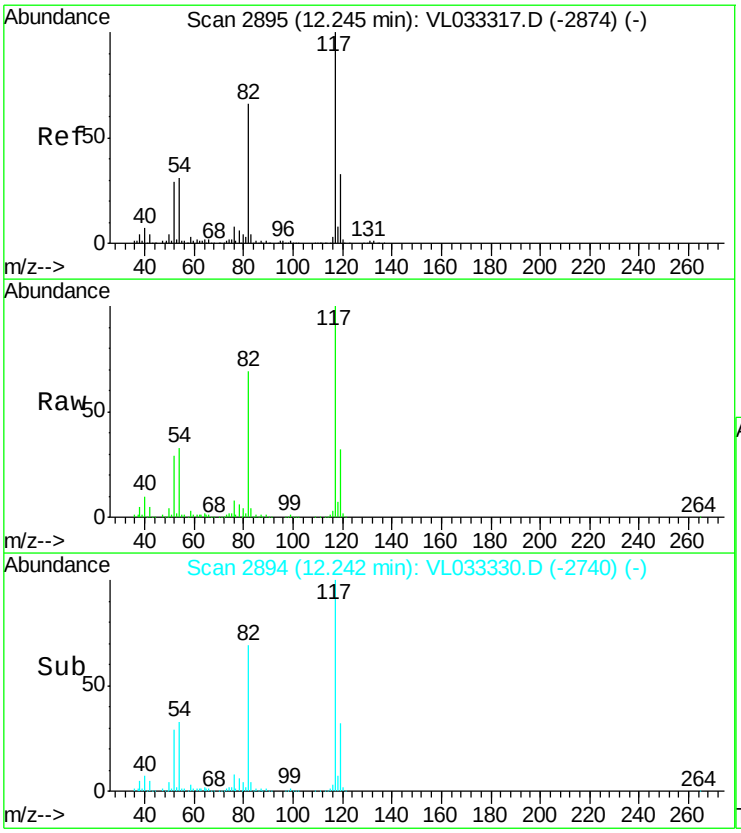
#54
1,2-Dibromoethane
Concen: 0.049 ppbv
RT: 10.76 min Scan# 2432
Delta R.T. -0.01 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:107 Resp: 5715

Ion	Ratio	Lower	Upper
107	100		
109	81.5	77.2	115.8

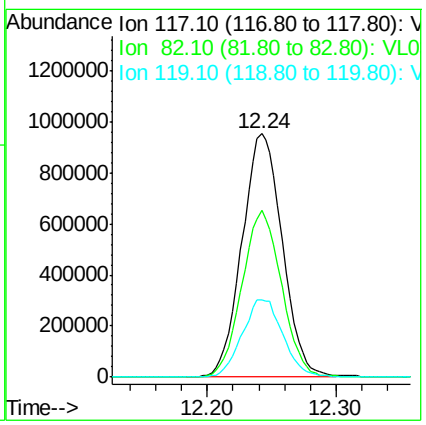


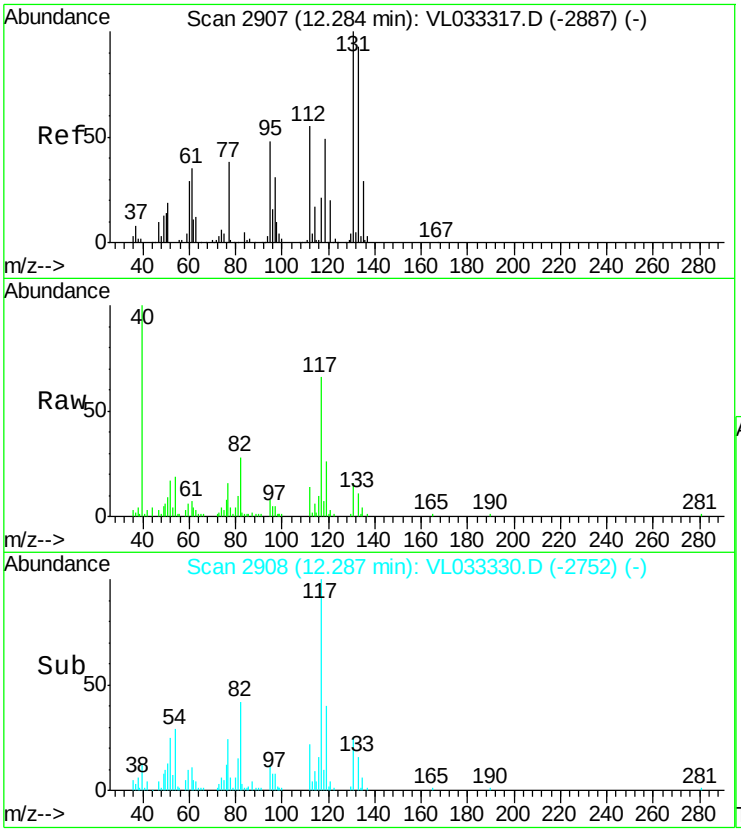


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion:117 Resp: 2076156

Ion	Ratio	Lower	Upper
117	100		
82	67.5	53.4	80.2
119	32.3	27.3	40.9



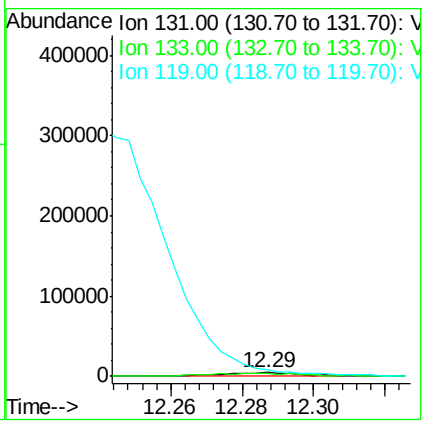


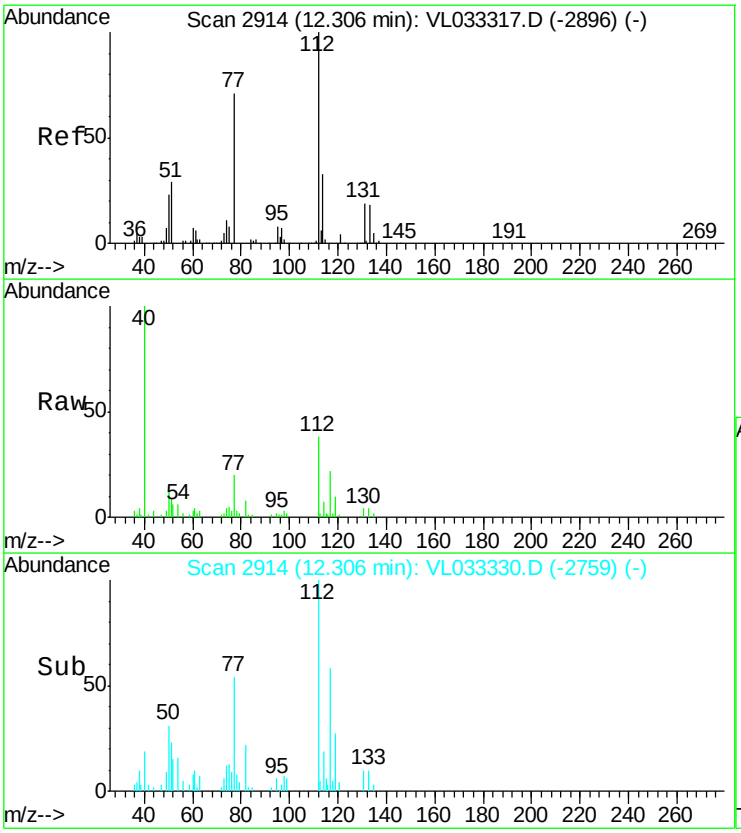
#56
1,1,1,2-Tetrachloroethane
Concen: 0.073 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:131 Resp: 6820

Ion	Ratio	Lower	Upper
131	100		
133	118.5	76.7	115.1#
119	0.0	40.3	60.5#

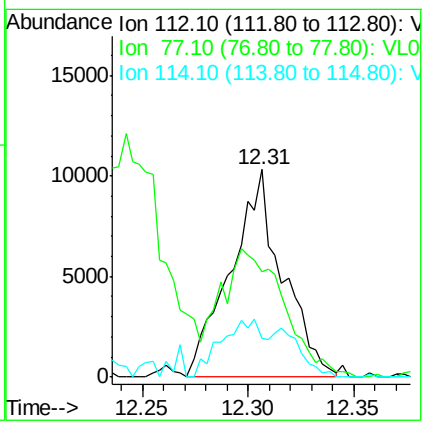


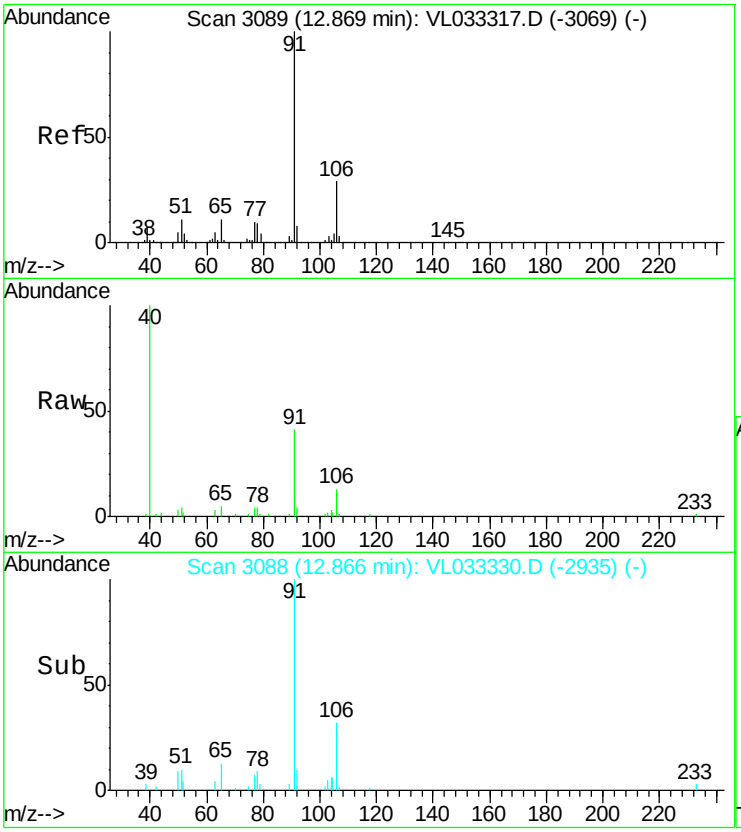


#57
Chlorobenzene
Concen: 0.107 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion:112 Resp: 17606

Ion	Ratio	Lower	Upper
112	100		
77	48.4	55.8	83.6#
114	18.5	28.6	35.0#



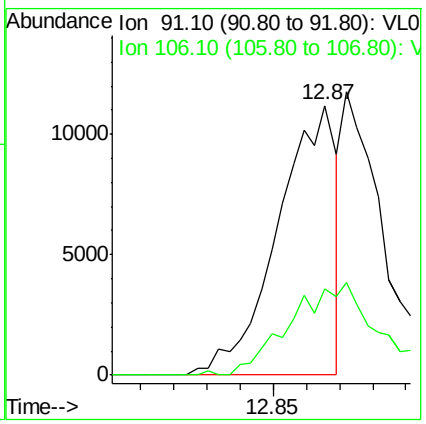


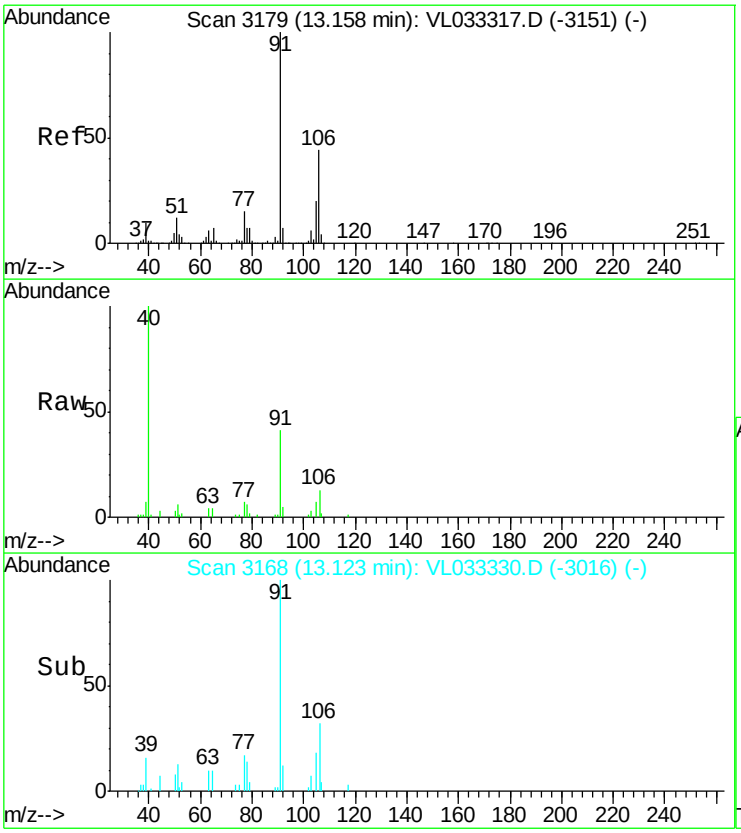
#58
Ethyl Benzene
Concen: 0.047 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 13699

Ion	Ratio	Lower	Upper
91	100		
106	32.0	24.2	36.2

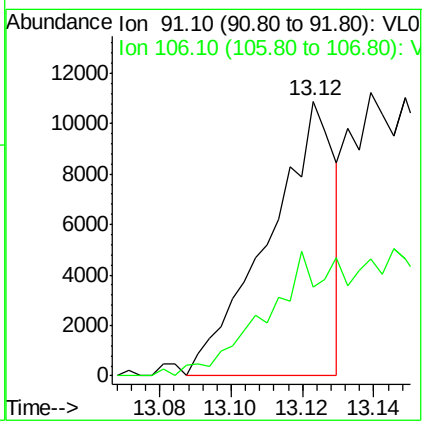


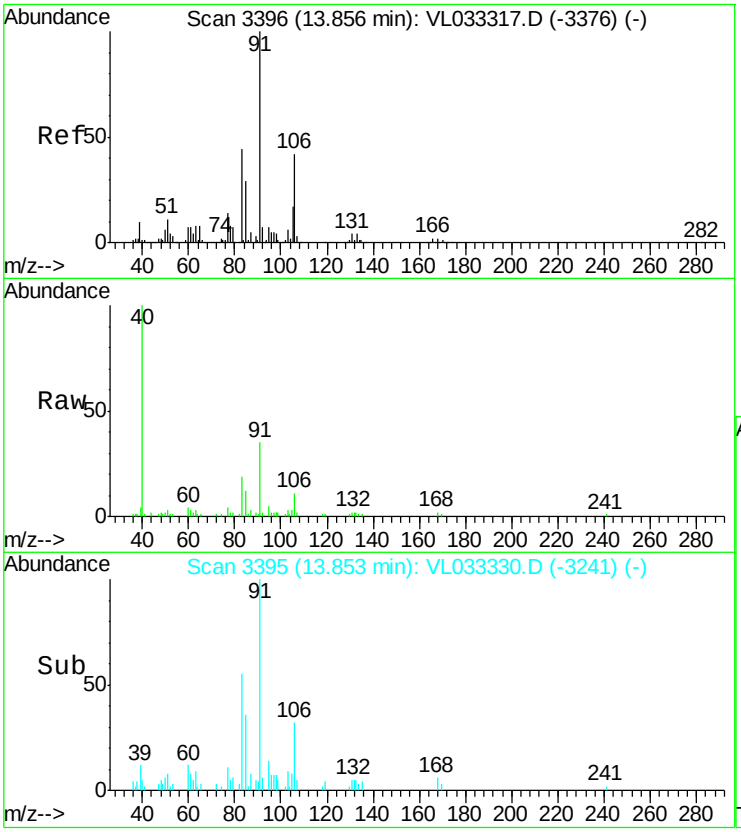


#59
m/p-Xylene
Concen: 0.056 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 91 Resp: 13963

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



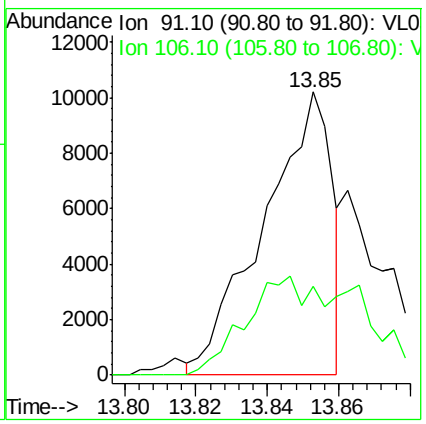


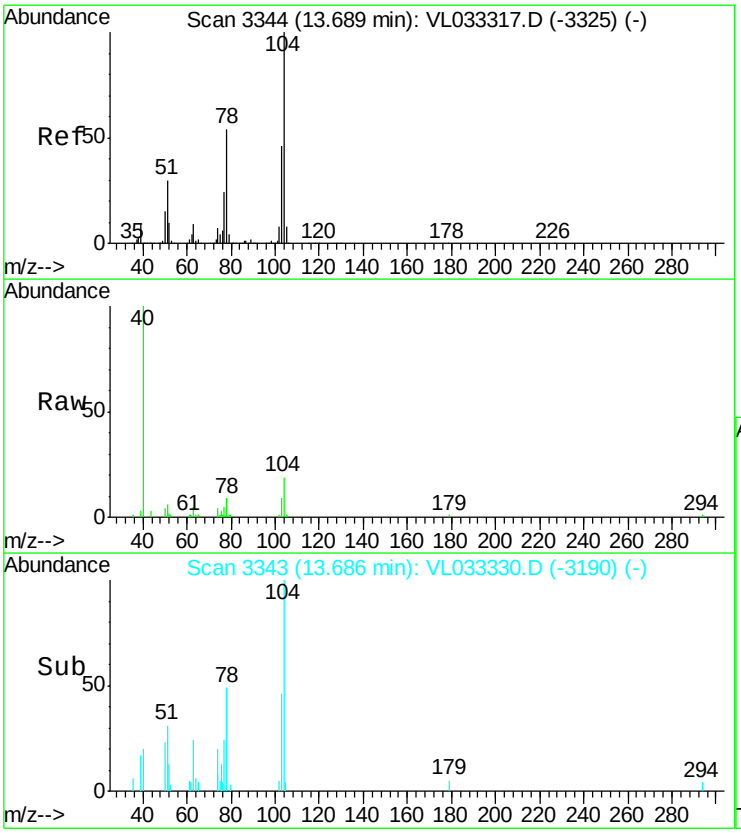
#60
o-Xylene
Concen: 0.055 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 91 Resp: 13517

Ion	Ratio	Lower	Upper
91	100		
106	60.0	21.3	63.9

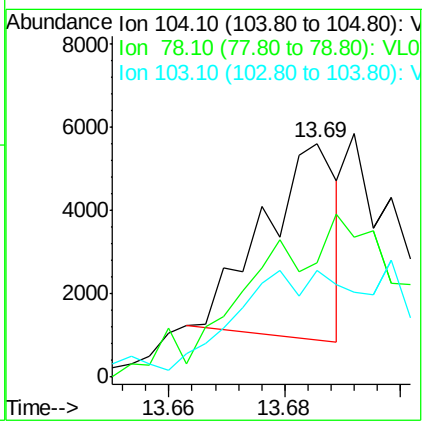


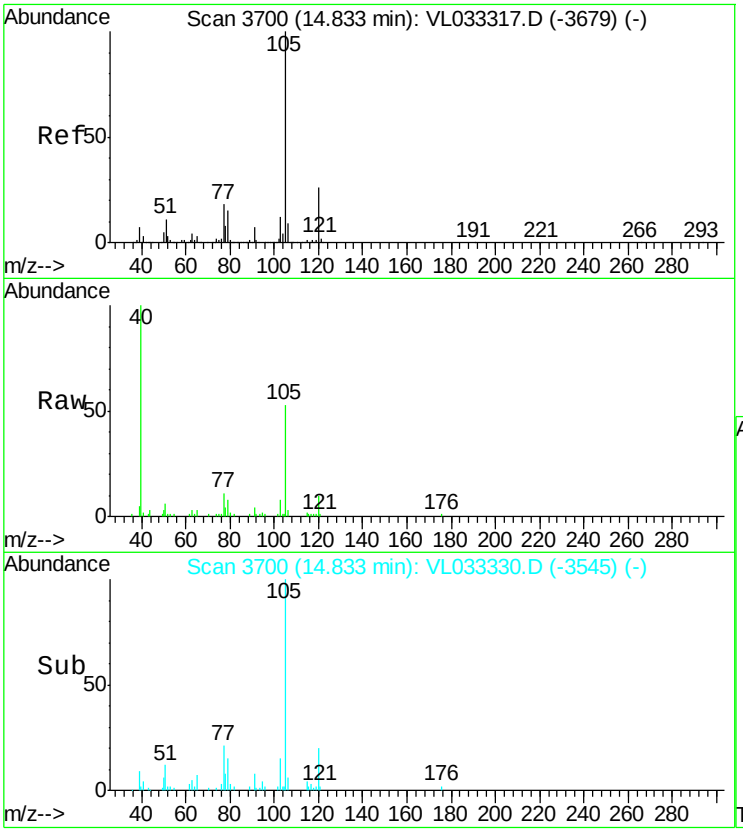


#61
Styrene
Concen: 0.024 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion:104 Resp: 4104

Ion	Ratio	Lower	Upper
104	100		
78	0.0	42.7	64.1#
103	0.0	38.0	57.0#



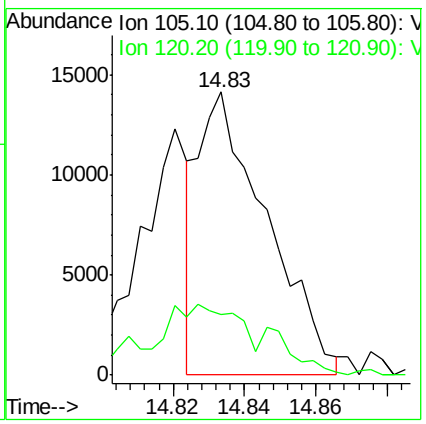


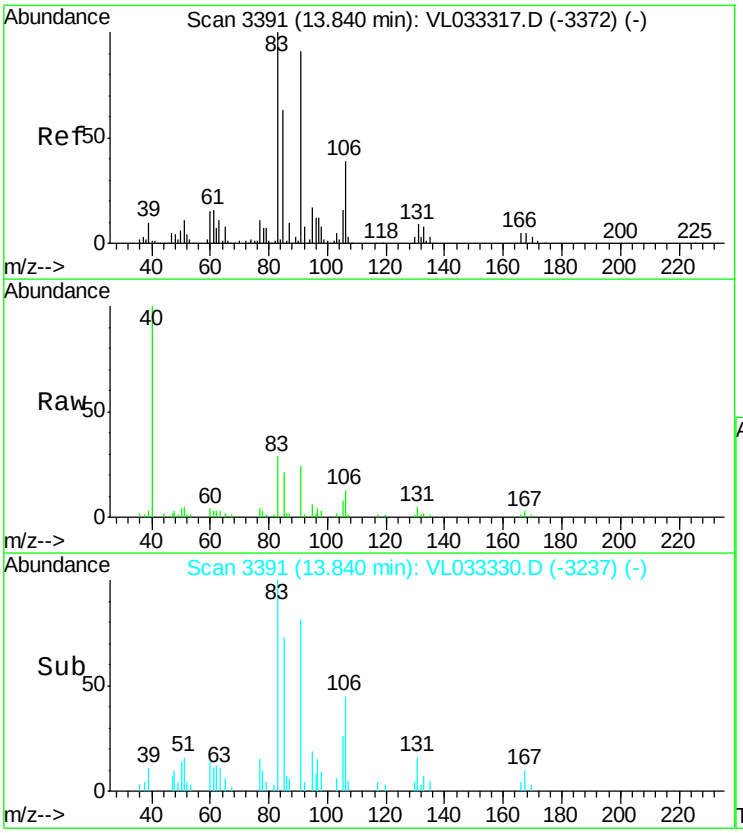
#62
Isopropylbenzene
Concen: 0.055 ppbv
RT: 14.83 min Scan# 3700
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 18649

Ion	Ratio	Lower	Upper
105	100		
120	41.3	19.9	29.9#

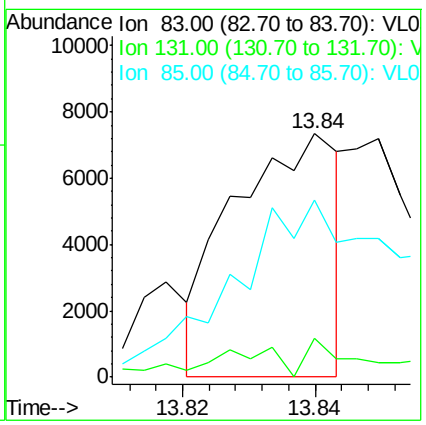


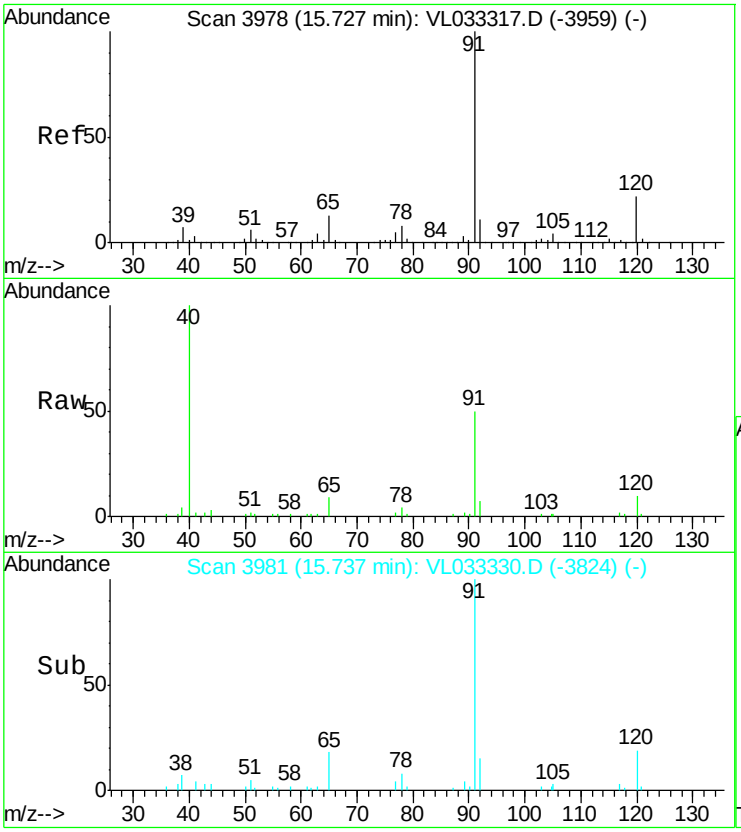


#63
1,1,2,2-Tetrachloroethane
Concen: 0.044 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 83 Resp: 8113

Ion	Ratio	Lower	Upper
83	100		
131	20.9	4.7	14.0#
85	140.5	32.5	97.4#



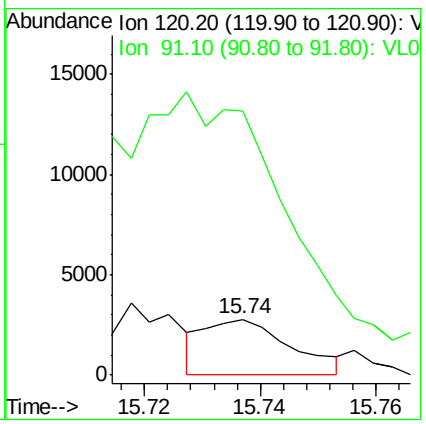


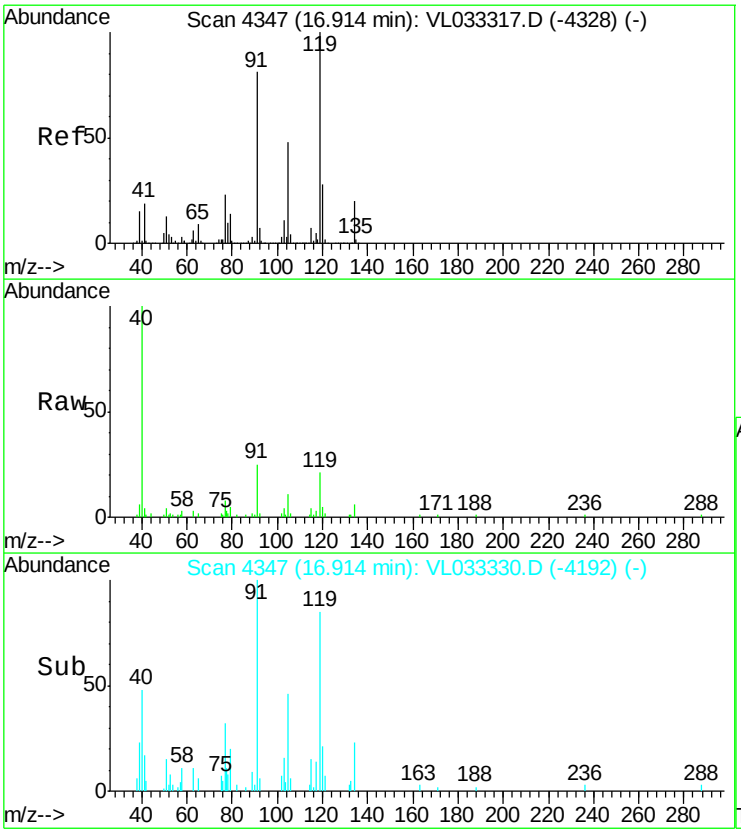
#64
n-propylbenzene
Concen: 0.033 ppbv
RT: 15.74 min Scan# 3981
Delta R.T. 0.01 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion:120 Resp: 2851

Ion	Ratio	Lower	Upper
120	100		
91	1245.8	389.8	584.6#

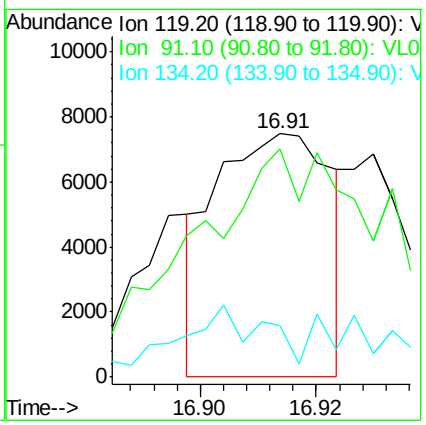


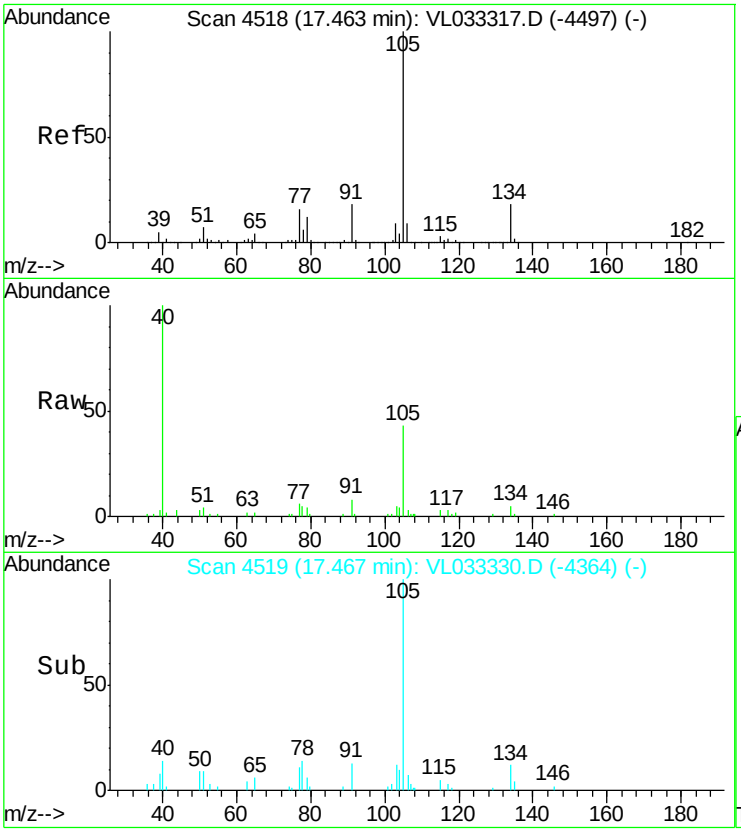


#65
tert-Butylbenzene
Concen: 0.033 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion:119 Resp: 10279

Ion	Ratio	Lower	Upper
119	100		
91	189.4	67.2	100.8#
134	43.7	15.4	23.2#



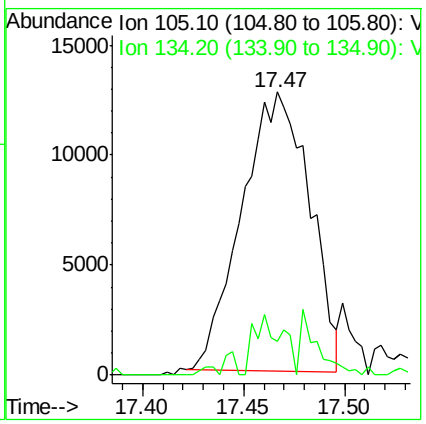


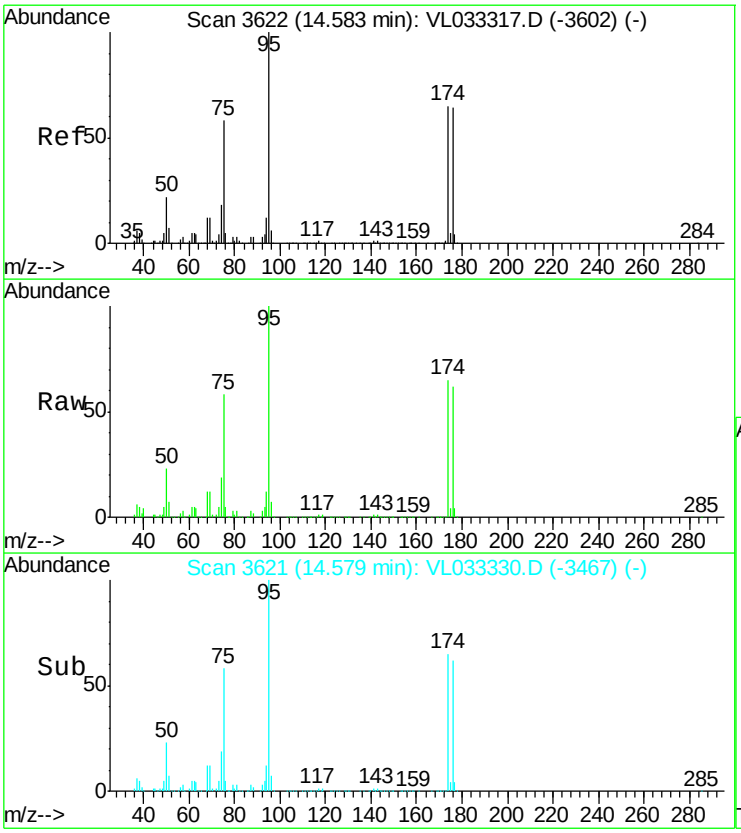
#67
sec-Butylbenzene
Concen: 0.067 ppbv
RT: 17.47 min Scan# 4519
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion:105 Resp: 29752

Ion	Ratio	Lower	Upper
105	100		
134	17.3	14.2	21.4

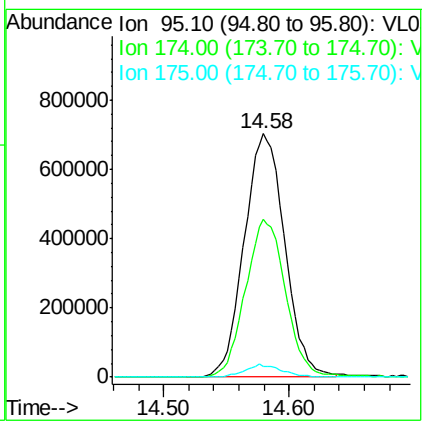


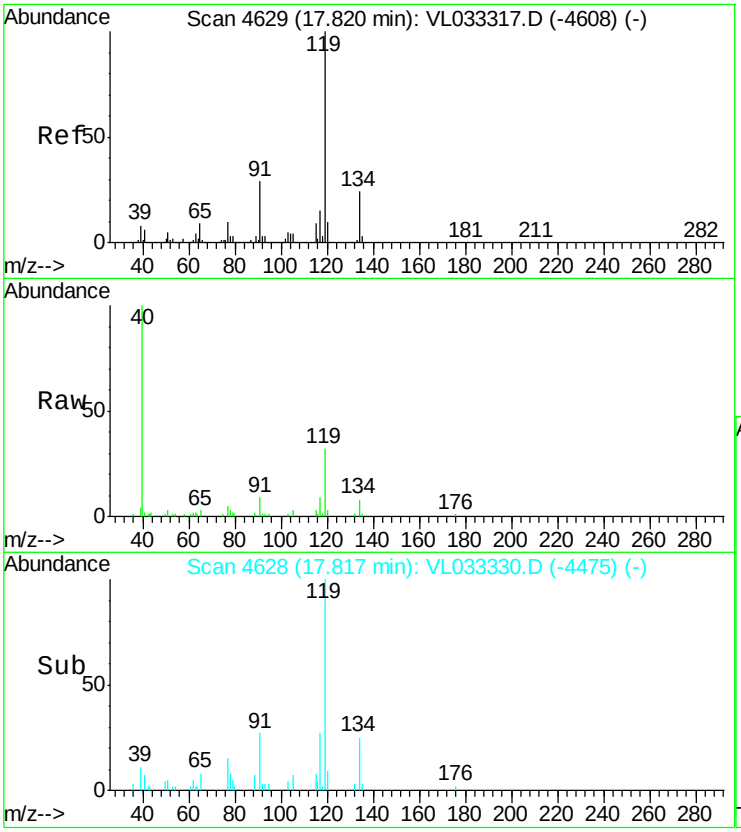


#68
1-Bromo-4-Fluorobenzene
Concen: 10.011 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 95 Resp: 1579684

Ion	Ratio	Lower	Upper
95	100		
174	64.5	51.5	77.3
175	4.7	3.8	5.6



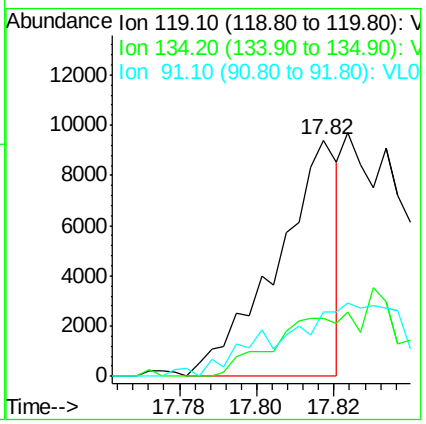


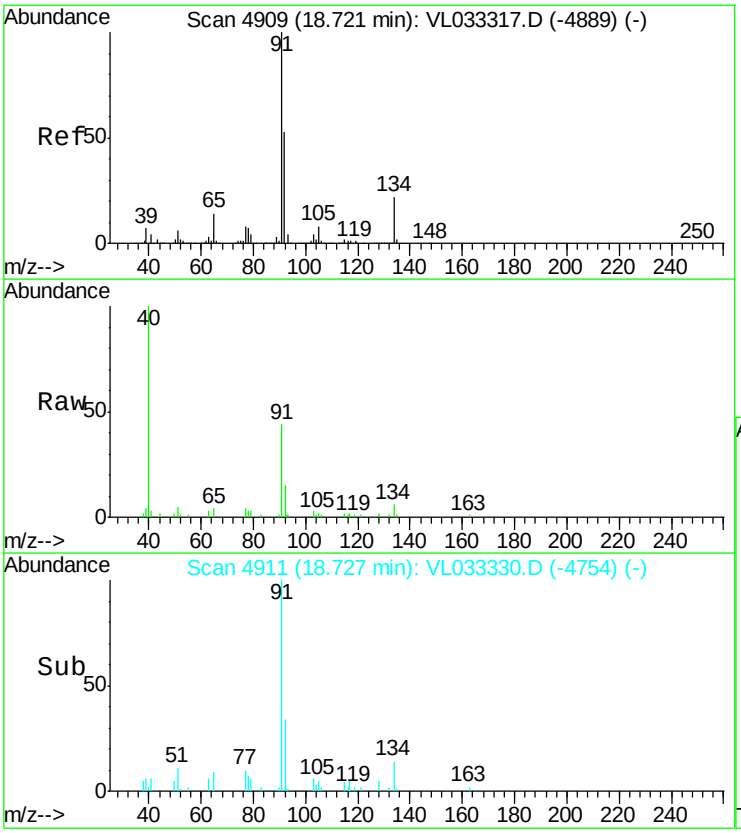
#69
p-Isopropyltoluene
Concen: 0.028 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.01 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion:119 Resp: 10319

Ion	Ratio	Lower	Upper
119	100		
134	0.0	19.8	29.6#
91	0.0	23.4	35.2#

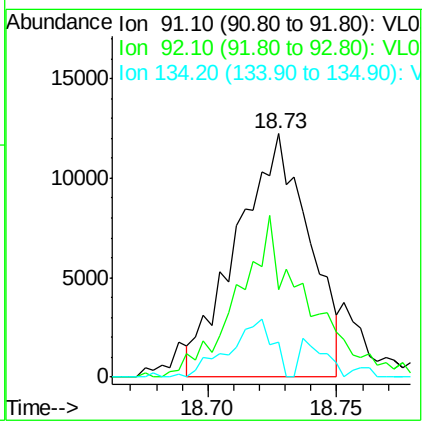


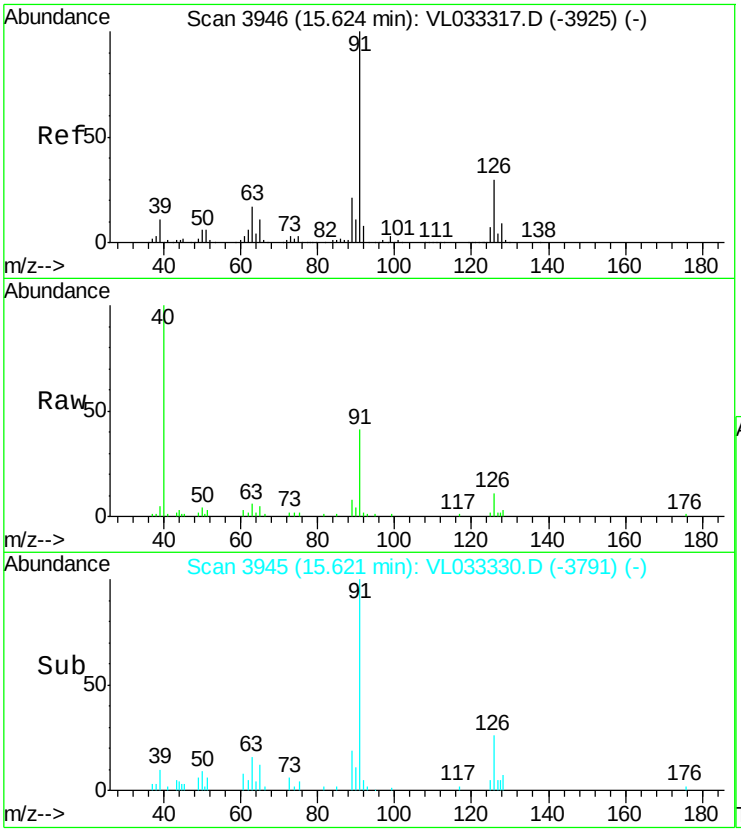


#70
n-Butylbenzene
Concen: 0.061 ppbv
RT: 18.73 min Scan# 4911
Delta R.T. 0.01 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion: 91 Resp: 23734

Ion	Ratio	Lower	Upper
91	100		
92	63.7	42.8	64.2
134	20.7	17.4	26.0



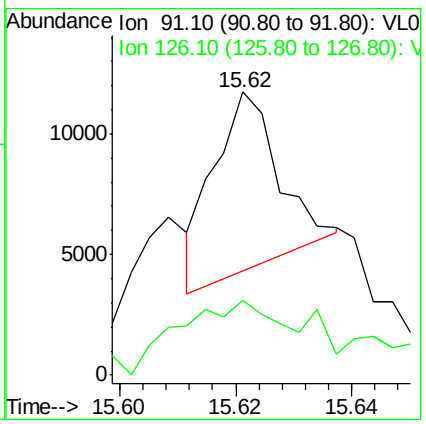


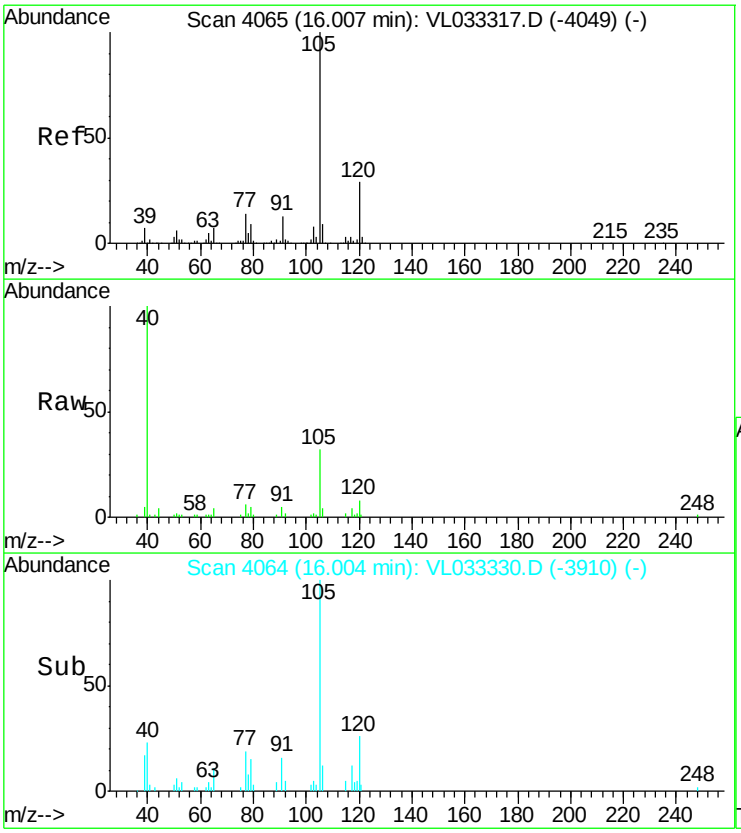
#71
2-Chlorotoluene
Concen: 0.022 ppbv
RT: 15.62 min Scan# 3945
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 5806

Ion	Ratio	Lower	Upper
91	100		
126	107.8	11.6	46.6#

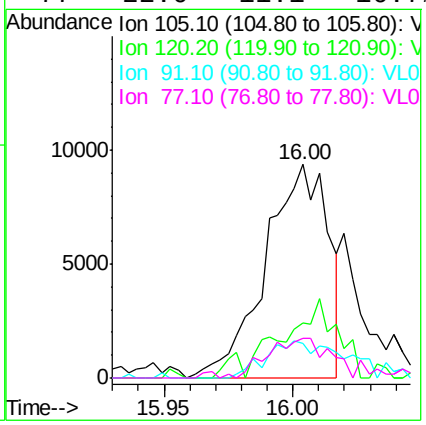


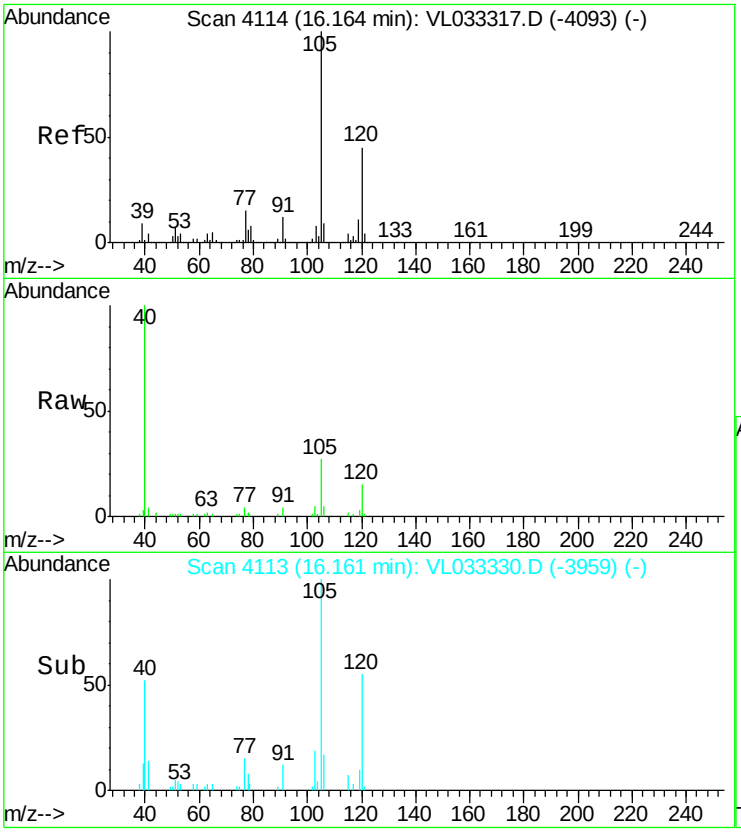


#72
4-Ethyltoluene
Concen: 0.057 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion:105 Resp: 15855

Ion	Ratio	Lower	Upper
105	100		
120	0.0	22.9	34.3#
91	22.6	10.2	15.2#
77	22.0	11.1	16.7#



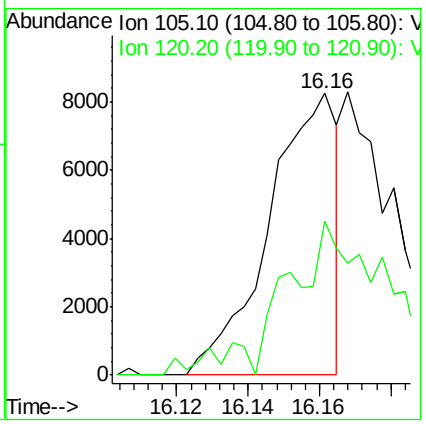


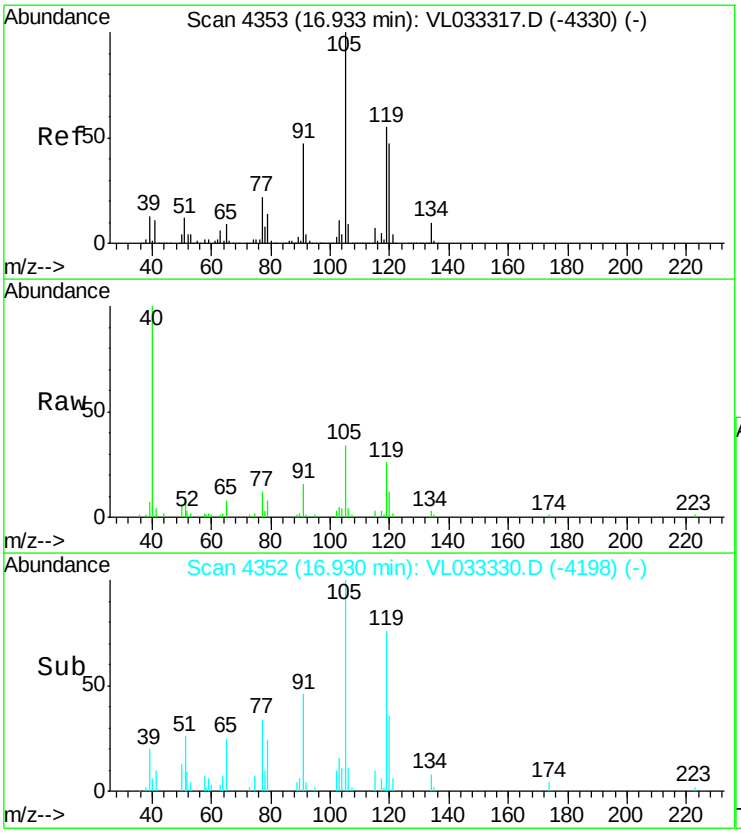
#73
1,3,5-Trimethylbenzene
Concen: 0.039 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 10878

Ion	Ratio	Lower	Upper
105	100		
120	52.8	36.2	54.4

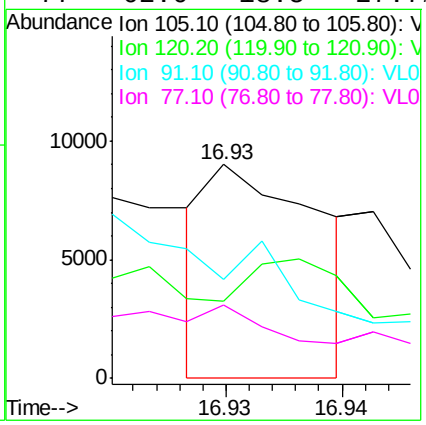


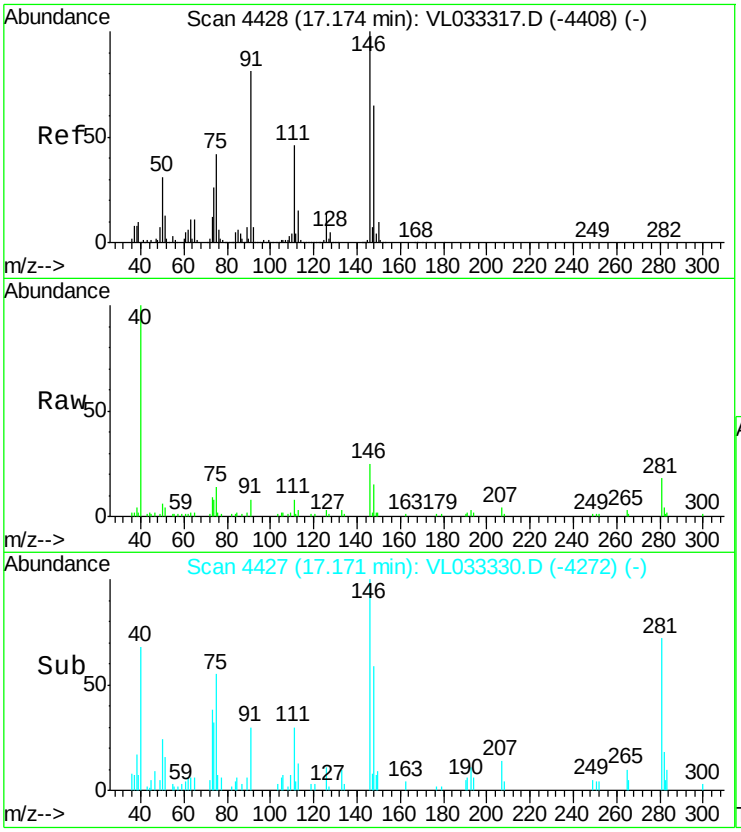


#74
1,2,4-Trimethylbenzene
Concen: 0.020 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion:105 Resp: 5971

Ion	Ratio	Lower	Upper
105	100		
120	0.0	37.4	56.2#
91	49.6	41.0	61.4
77	62.0	18.5	27.7#



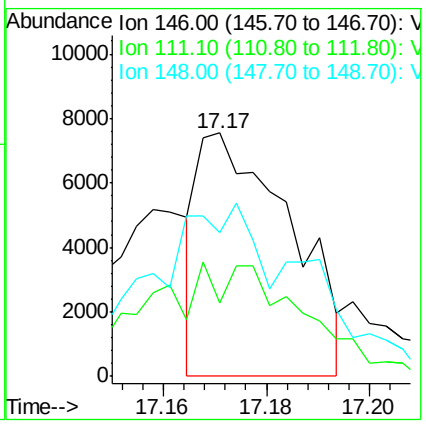


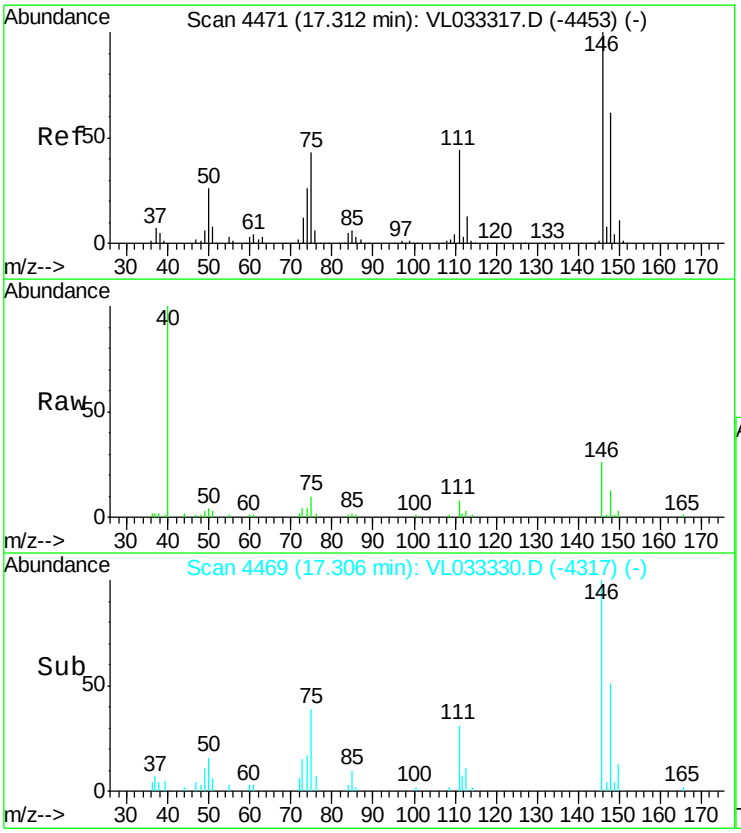
#75
1,3-Dichlorobenzene
Concen: 0.055 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion:146 Resp: 9338

Ion	Ratio	Lower	Upper
146	100		
111	85.7	22.8	68.3#
148	132.4	31.9	95.7#

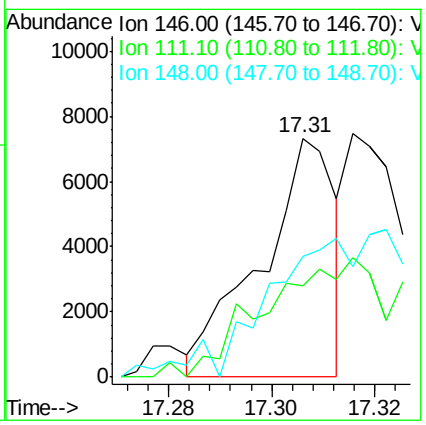


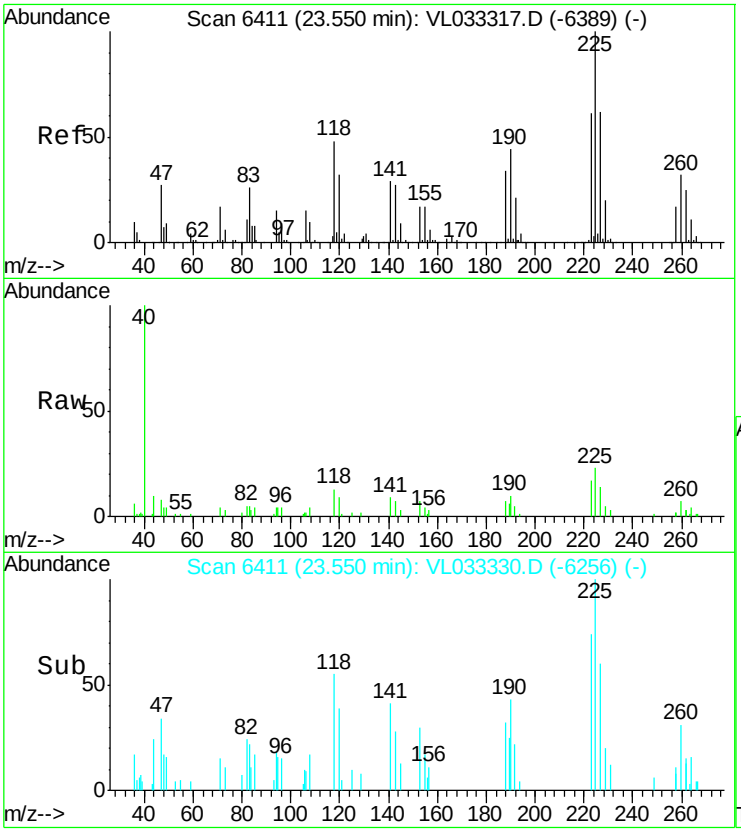


#76
1,4-Dichlorobenzene
Concen: 0.044 ppbv
RT: 17.31 min Scan# 4469
Delta R.T. -0.01 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion:146 Resp: 7298

Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.9	65.7#
148	0.0	32.1	96.5#



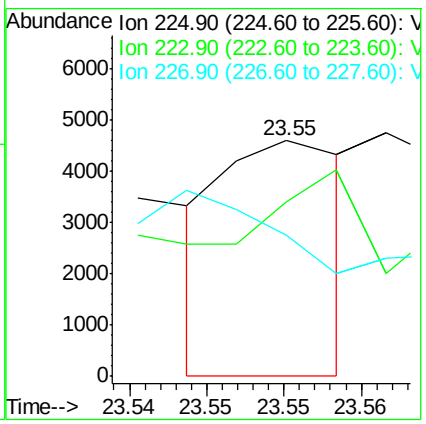


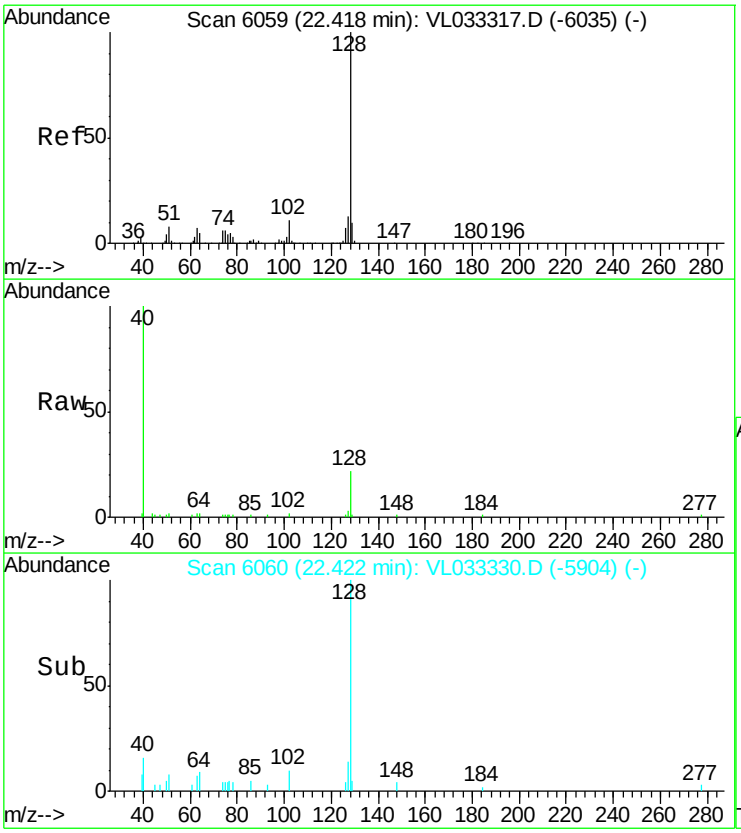
#78
Hexachloro-1,3-Butadiene
Concen: 0.026 ppbv
RT: 23.55 min Scan# 6411
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:225 Resp: 2535

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.4	75.6#
227	300.8	50.5	75.7#

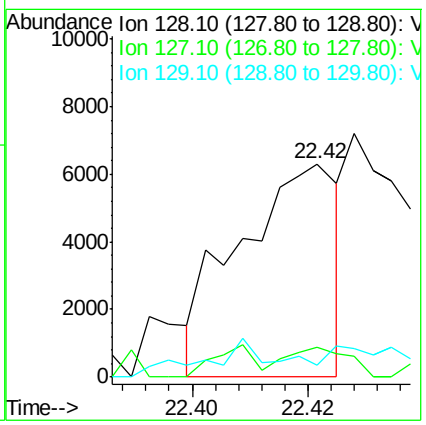


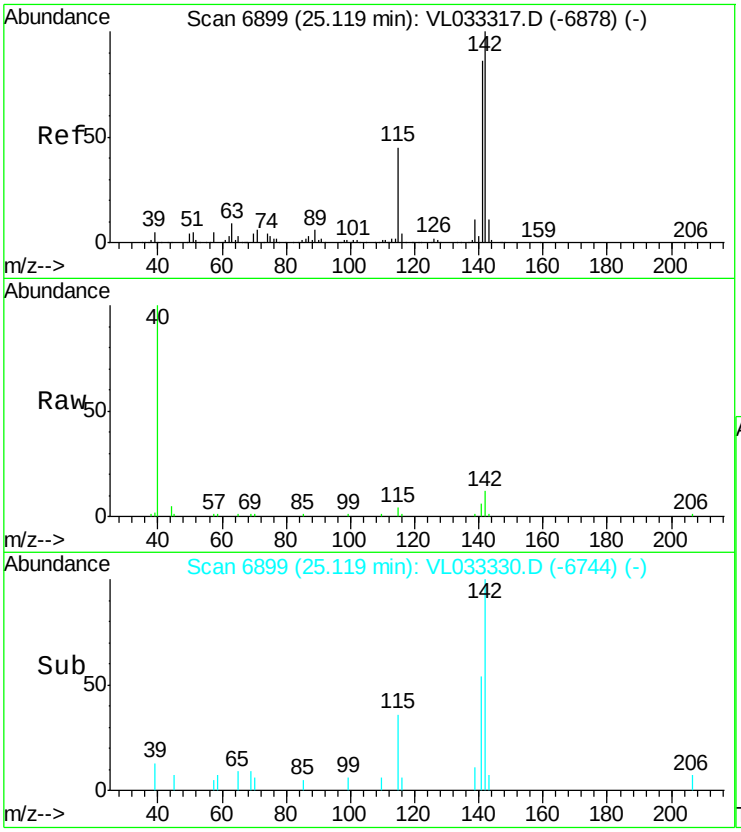


#79
Naphthalene
Concen: 0.026 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Tgt Ion:128 Resp: 7493

Ion	Ratio	Lower	Upper
128	100		
127	18.7	10.1	15.1#
129	0.0	8.2	12.2#





#80
Naphthalene,2-methyl-
Concen: 0.051 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. -0.00 min
Lab File: VL033330.D
Acq: 15 Mar 2019 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:142 Resp: 6945

Ion	Ratio	Lower	Upper
142	100		
141	65.0	67.1	100.7#
115	39.9	33.8	50.6