Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070518\
Data File : VL032203.D
Acq On : 5 Jul 2018 12:17
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Jul 06 04:27:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 29 22:27:58 2018
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1499825	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	4109981	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	5112588	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.67	95	3059364	7.83	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 78.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.13	85	1612852	8.167	ppbv	98
3) Chlorodifluoromethane	3.07	51	1515511	8.270	ppbv	97
4) Chloromethane	3.22	50	868916	8.881	ppbv	100
5) Vinyl Chloride	3.35	62	839680	8.498	ppbv	98
6) Bromomethane	3.58	94	487362	8.659	ppbv	100
7) Chloroethane	3.66	64	308546	8.830	ppbv	99
8) Dichlorotetrafluoroethane	3.28	85	1828953	8.298	ppbv	93
9) Propene	3.09	41	723424	8.470	ppbv	98
10) Heptane	8.34	43	2552735	10.252	ppbv	99
11) Trichlorofluoromethane	4.07	101	1806733	8.456	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.63	101	1200629	8.437	ppbv	92
13) Ethanol	3.71	45	195184	7.538	ppbv	95
14) Bromoethene	3.85	108	552328	8.158	ppbv	98
15) Acetone	3.97	43	1378486	7.860	ppbv	99
16) 1,3-Butadiene	3.42	39	880800	10.525	ppbv #	78
17) tert-Butyl alcohol	4.43	59	1164470	10.428	ppbv	99
18) 1,1-Dichloroethene	4.42	96	556313	8.173	ppbv	99
19) Isopropyl Alcohol	4.09	45	1166576	8.006	ppbv #	41
20) Methylene Chloride	4.48	84	477973	7.458	ppbv	94
21) Allyl Chloride	4.55	41	1000583	8.355	ppbv	98
22) trans-1,2-Dichloroethene	5.04	96	802007	11.270	ppbv	99
23) Vinyl Acetate	5.23	43	3049321	9.588	ppbv	98
24) 1,1-Dichloroethane	5.17	63	2354169	11.555	ppbv	99
25) Ethyl Acetate	5.85	43	3338906	9.202	ppbv	99
26) Hexane	5.86	57	1508896	9.031	ppbv	95
27) Carbon Disulfide	4.69	76	1455385	8.762	ppbv	99
28) Methyl tert-Butyl Ether	5.19	73	3274738	11.089	ppbv	100
29) Chloroform	5.93	83	2297970	9.448	ppbv	98
30) Cyclohexane	7.34	84	1636053	10.388	ppbv	99
31) cis-1,2-Dichloroethene	5.72	61	1598258	9.571	ppbv	96
32) 1,1,1-Trichloroethane	6.71	97	2731659	10.714	ppbv	98
34) 2-Butanone	5.41	43	2334777	8.950	ppbv	100
35) Carbon Tetrachloride	7.22	117	2673345	9.502	ppbv	98
36) Benzene	7.10	78	3779952	9.502	ppbv	98
37) 1,2-Dichloroethane	6.50	62	2125253	10.723	ppbv	97
38) Trichloroethene	8.05	130	1246219	8.019	ppbv	96
39) 1,2-Dichloropropane	7.83	63	1536458	9.793	ppbv	98
40) 1,4-Dioxane	8.05	88	306148	4.976	ppbv #	1
41) Tetrahydrofuran	6.23	42	1598833	10.224	ppbv	99
42) Bromodichloromethane	8.01	83	2914338	9.382	ppbv	97
43) Methyl Methacrylate	8.23	69	1598758	9.696	ppbv	98

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070518\
Data File : VL032203.D
Acq On : 5 Jul 2018 12:17
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Jul 06 04:27:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 29 22:27:58 2018
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	6345165	9.116	ppbv		100
45) t-1,3-Dichloropropene	9.51	75	2088899	10.224	ppbv		99
46) cis-1,3-Dichloropropene	8.93	75	2436221	9.987	ppbv		98
47) 1,1,2-Trichloroethane	9.71	97	1509888	9.259	ppbv		98
48) Dibromochloromethane	10.55	129	2400989	9.511	ppbv		99
49) Bromoform	13.30	173	1979203	9.362	ppbv		100
50) 4-Methyl-2-Pentanone	8.96	43	3927100	9.190	ppbv		99
51) 2-Hexanone	10.37	43	3528222	9.960	ppbv		99
52) Tetrachloroethene	11.47	164	1175467	8.126	ppbv		98
53) Toluene	10.04	91	4508685	9.378	ppbv		99
54) 1,2-Dibromoethane	10.86	107	2318905	9.459	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.38	131	1739069	7.619	ppbv		95
57) Chlorobenzene	12.40	112	3227585	7.290	ppbv		95
58) Ethyl Benzene	12.96	91	6186645	7.509	ppbv		96
59) m/p-Xylene	13.25	91	4960692	7.511	ppbv	#	29
60) o-Xylene	13.95	91	4719615	7.165	ppbv		96
61) Styrene	13.78	104	4042411	7.488	ppbv		95
62) Isopropylbenzene	14.93	105	6852656	6.765	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.94	83	3327037	6.523	ppbv		100
64) n-propylbenzene	15.82	120	1771607	6.758	ppbv		86
65) tert-Butylbenzene	17.01	119	5593589	6.284	ppbv		93
66) Benzyl Chloride	17.26	91	3748154	6.819	ppbv		95
67) sec-Butylbenzene	17.56	105	8324467	6.388	ppbv		98
69) p-Isopropyltoluene	17.91	119	6653894	6.365	ppbv		96
70) n-Butylbenzene	18.81	91	7378591	6.760	ppbv		98
71) 2-Chlorotoluene	15.72	91	5469661	7.013	ppbv		95
72) 4-Ethyltoluene	16.10	105	5729241	6.734	ppbv		97
73) 1,3,5-Trimethylbenzene	16.26	105	5415723	6.758	ppbv		95
74) 1,2,4-Trimethylbenzene	17.02	105	5256220	6.499	ppbv		93
75) 1,3-Dichlorobenzene	17.27	146	2846822	6.188	ppbv		97
76) 1,4-Dichlorobenzene	17.41	146	2946422	6.316	ppbv		97
77) 1,2-Dichlorobenzene	18.09	146	2854372	6.208	ppbv		97
78) Hexachloro-1,3-Butadiene	23.64	225	905184	5.654	ppbv		100
79) Naphthalene	22.53	128	5211762	7.089	ppbv		99
80) Naphthalene,2-methyl-	25.19	142	3007264	11.333	ppbv		98
81) 1,2,4-Trichlorobenzene	22.25	180	2408189	7.254	ppbv		100

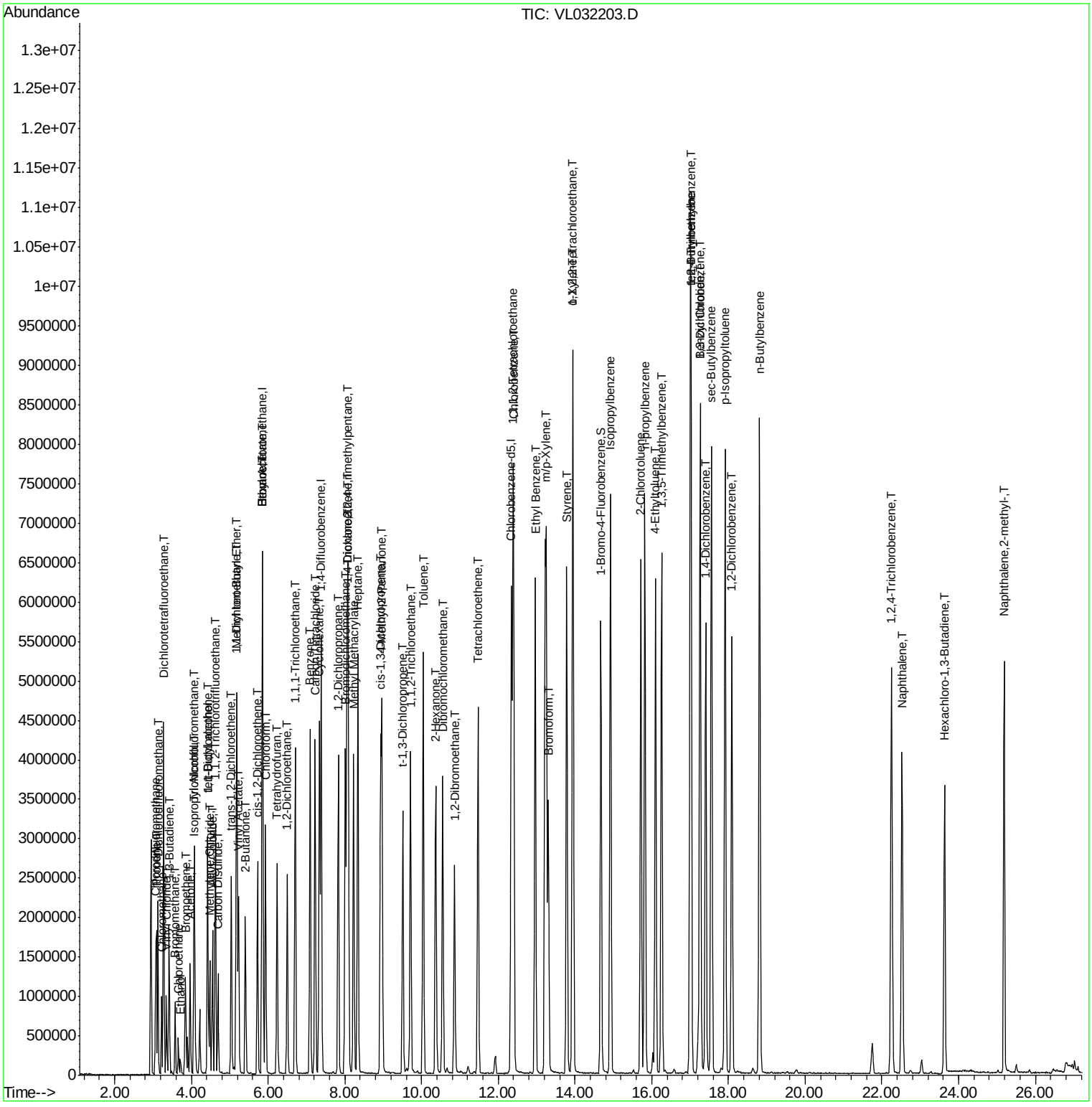
(#) = qualifier out of range (m) = manual integration (+) = signals summed

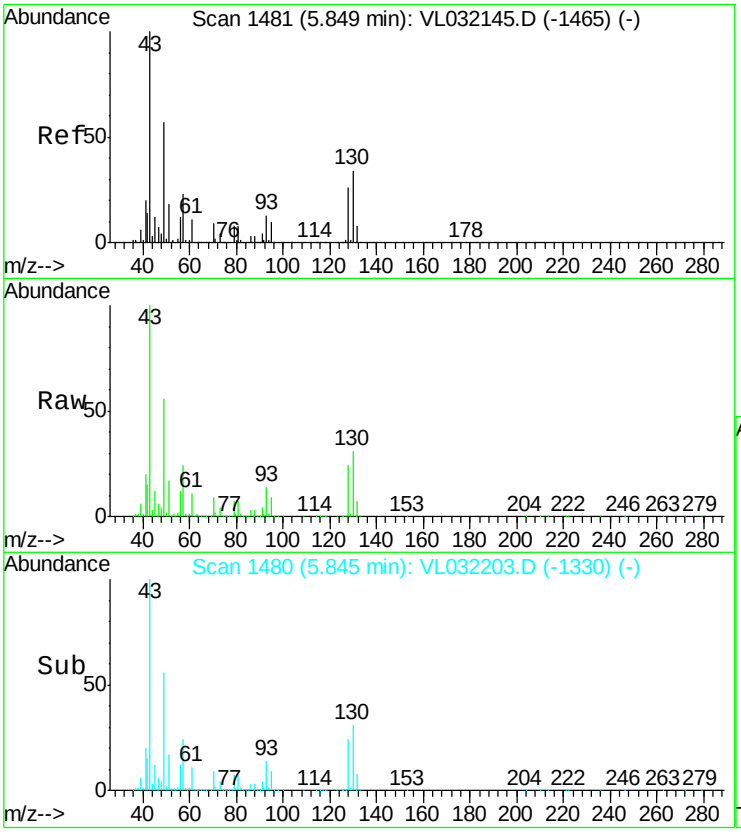
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070518\
Data File : VL032203.D
Acq On : 5 Jul 2018 12:17
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Jul 06 04:27:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 29 22:27:58 2018
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration



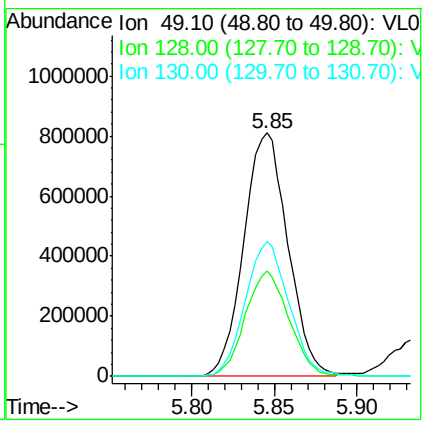


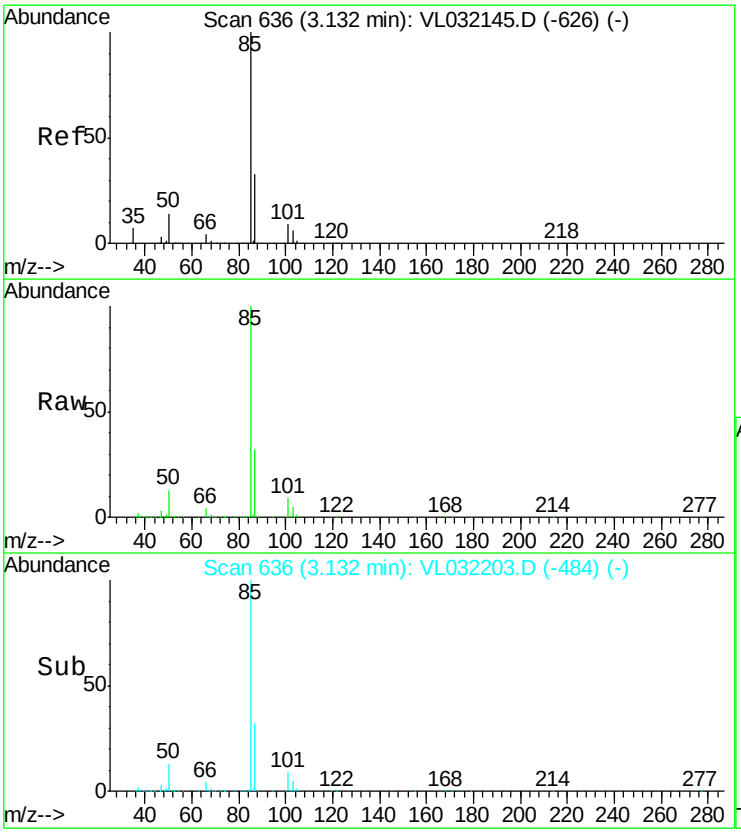
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.85 min Scan# 1480
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1499825

Ion	Ratio	Lower	Upper
49	100		
128	43.2	23.4	70.0
130	55.0	30.3	90.9

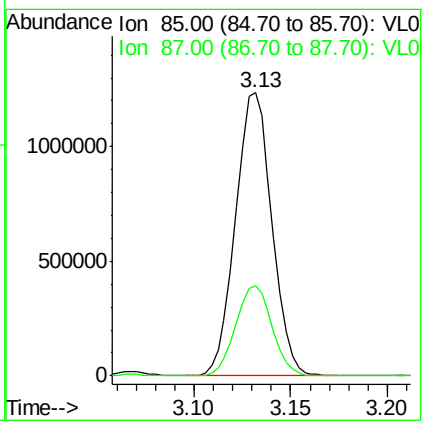


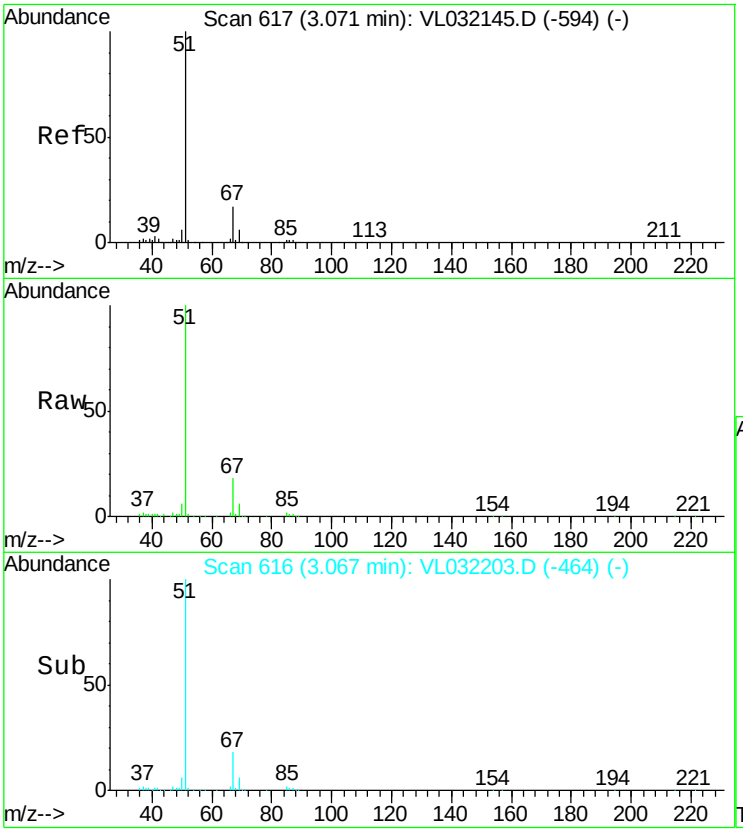


#2
Dichlorodifluoromethane
Concen: 8.167 ppbv
RT: 3.13 min Scan# 636
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 85 Resp: 1612852

Ion	Ratio	Lower	Upper
85	100		
87	32.0	26.7	40.1



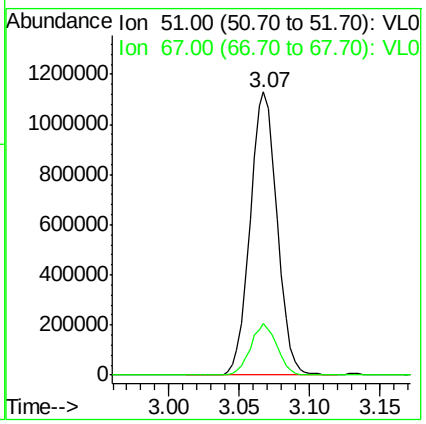


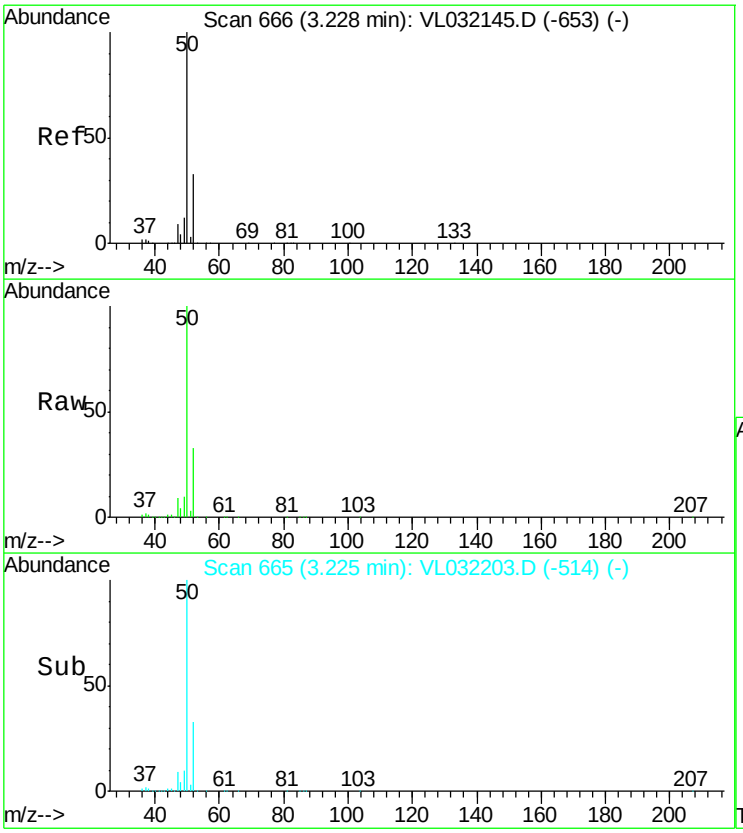
#3
Chlorodifluoromethane
Concen: 8.270 ppbv
RT: 3.07 min Scan# 616
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 51 Resp: 1515511

Ion	Ratio	Lower	Upper
51	100		
67	18.0	13.2	19.8

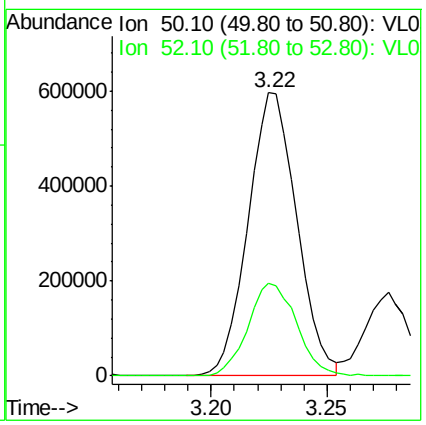


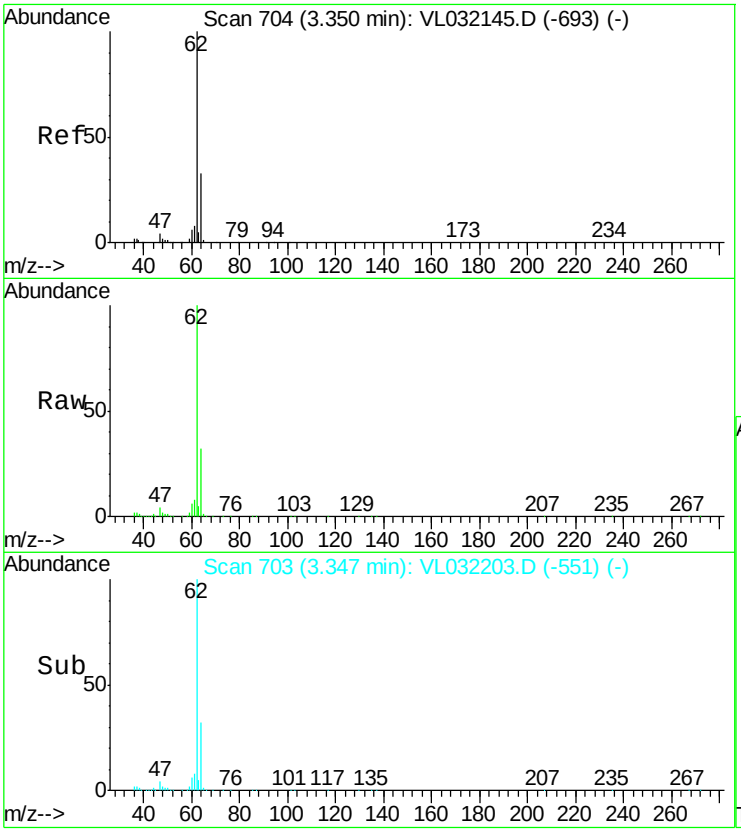


#4
Chloromethane
Concen: 8.881 ppbv
RT: 3.22 min Scan# 665
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 50 Resp: 868916

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.0	39.0



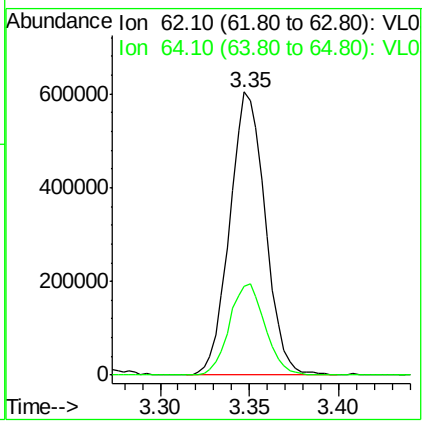


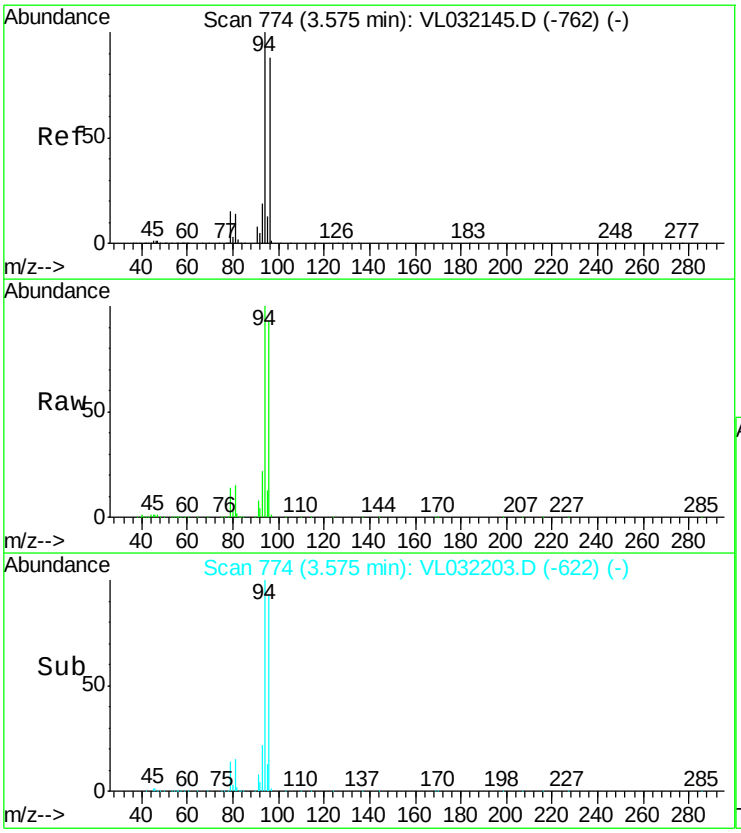
#5
Vinyl Chloride
Concen: 8.498 ppbv
RT: 3.35 min Scan# 703
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 839680

Ion	Ratio	Lower	Upper
62	100		
64	31.6	26.1	39.1

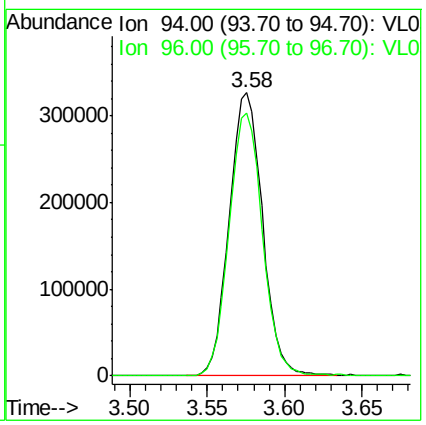


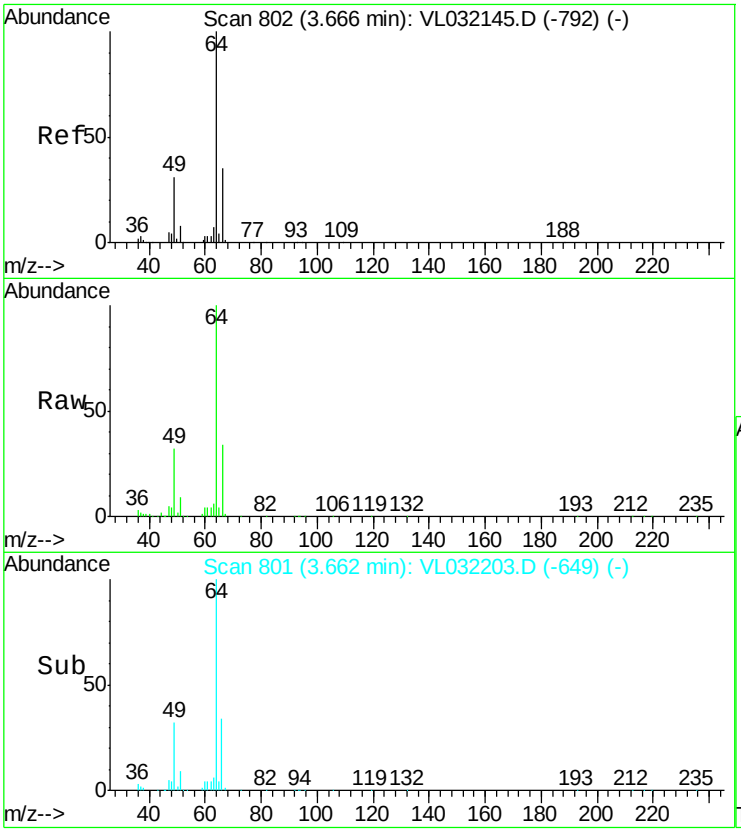


#6
Bromomethane
Concen: 8.659 ppbv
RT: 3.58 min Scan# 774
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 94 Resp: 487362

Ion	Ratio	Lower	Upper
94	100		
96	93.1	74.7	112.1



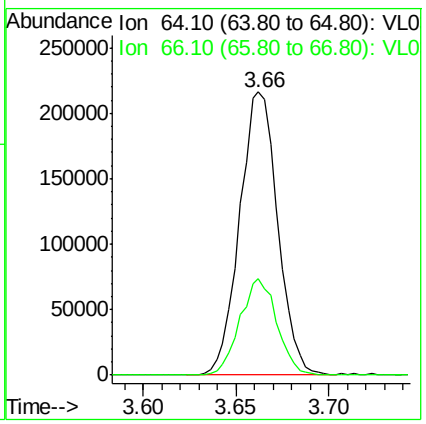


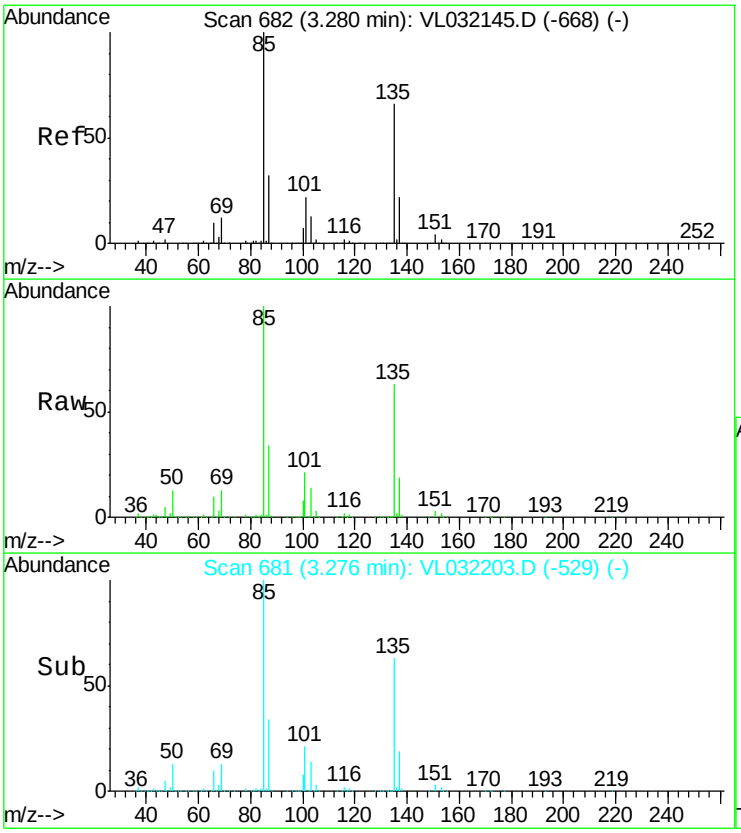
#7
Chloroethane
Concen: 8.830 ppbv
RT: 3.66 min Scan# 801
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 308546

Ion	Ratio	Lower	Upper
64	100		
66	34.1	26.9	40.3

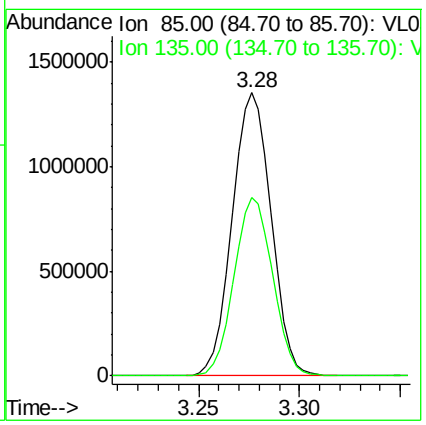


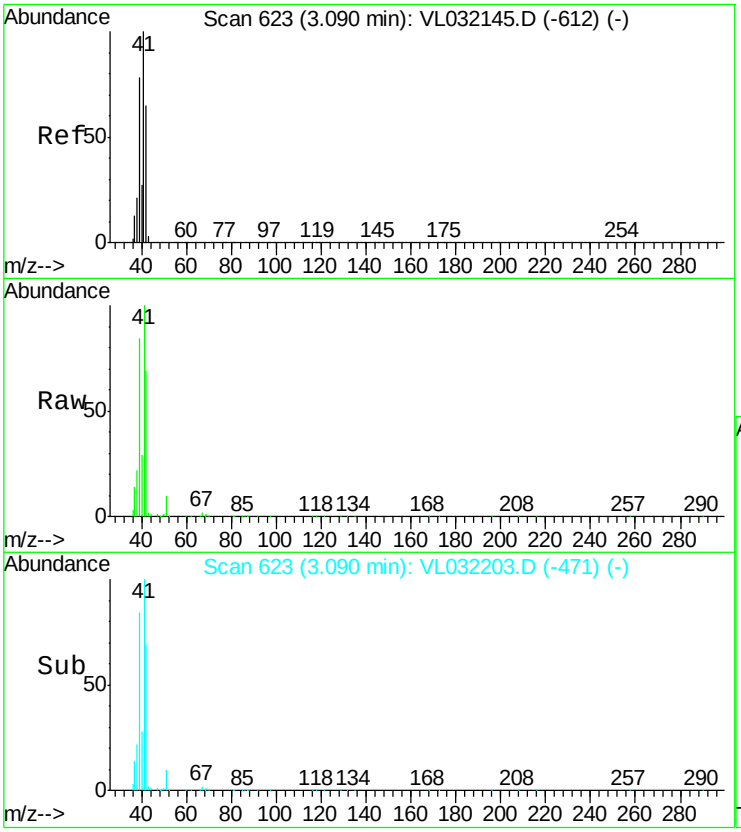


#8
Dichlorotetrafluoroethane
Concen: 8.298 ppbv
RT: 3.28 min Scan# 681
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 85 Resp: 1828953

Ion	Ratio	Lower	Upper
85	100		
135	62.8	54.6	82.0



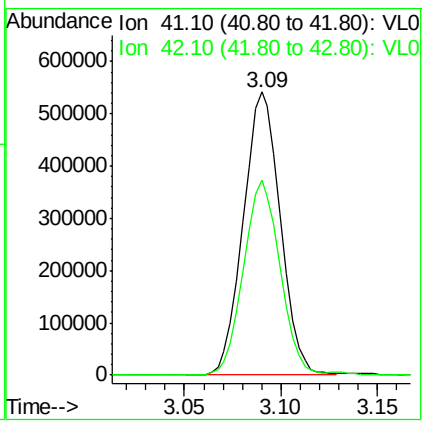


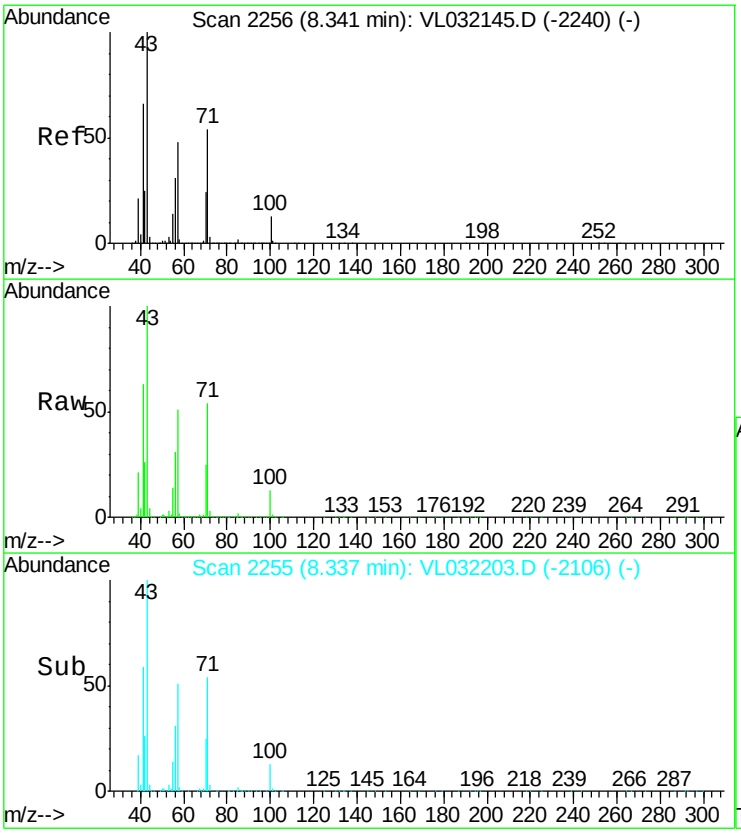
#9
Propene
Concen: 8.470 ppbv
RT: 3.09 min Scan# 623
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 723424

Ion	Ratio	Lower	Upper
41	100		
42	68.6	56.2	84.4

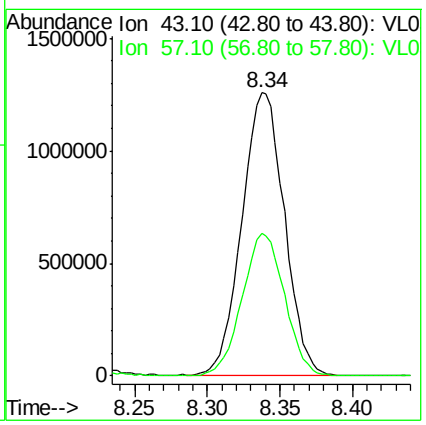


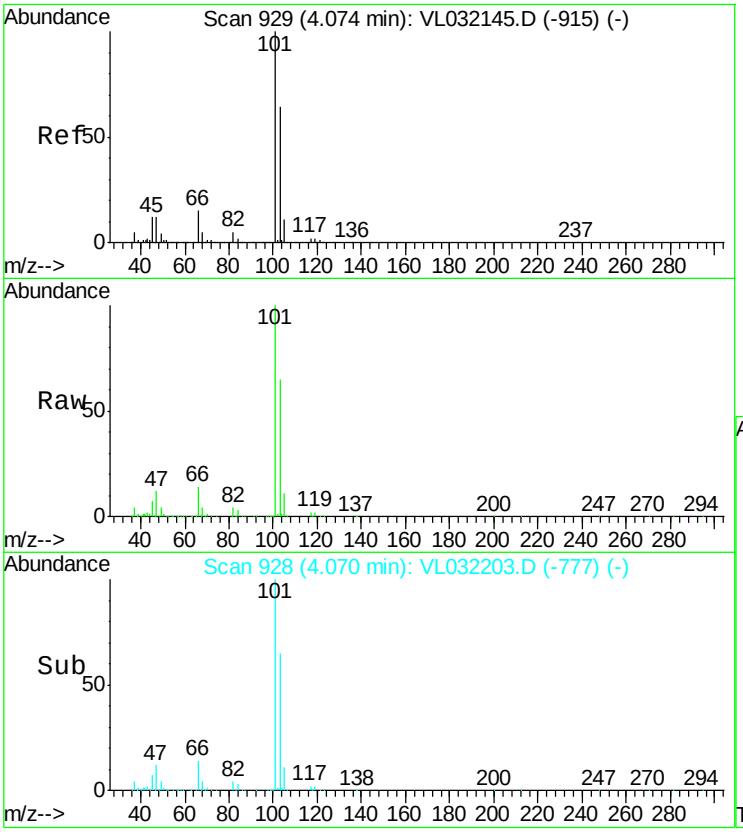


#10
Heptane
Concen: 10.252 ppbv
RT: 8.34 min Scan# 2255
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 43 Resp: 2552735

Ion	Ratio	Lower	Upper
43	100		
57	50.6	39.8	59.8



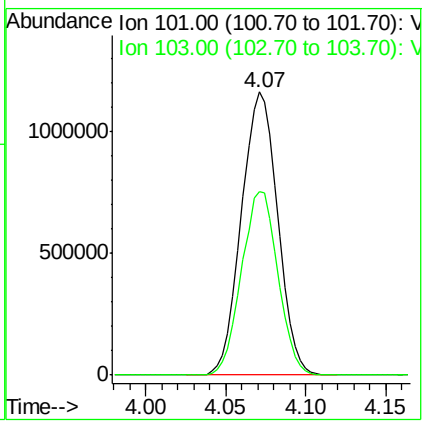


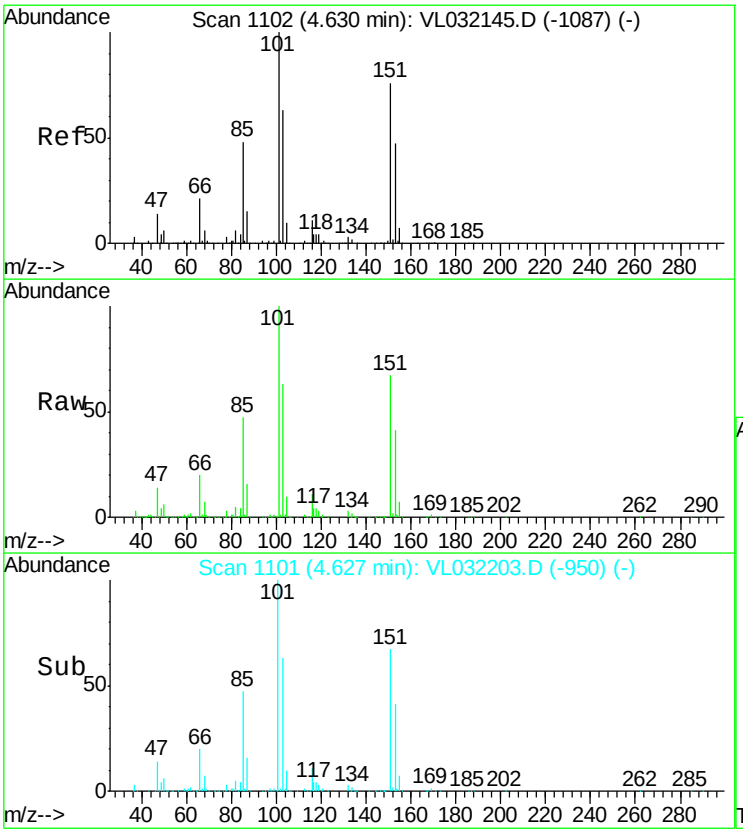
#11
Trichlorofluoromethane
Concen: 8.456 ppbv
RT: 4.07 min Scan# 928
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1806733

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.4	77.0

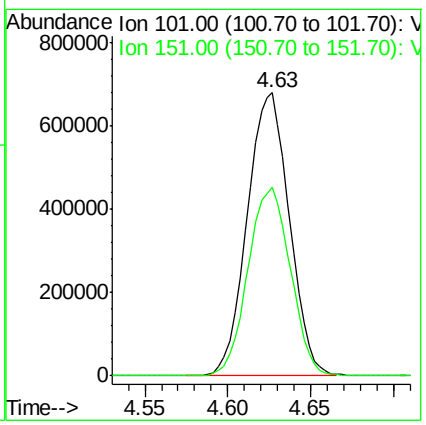


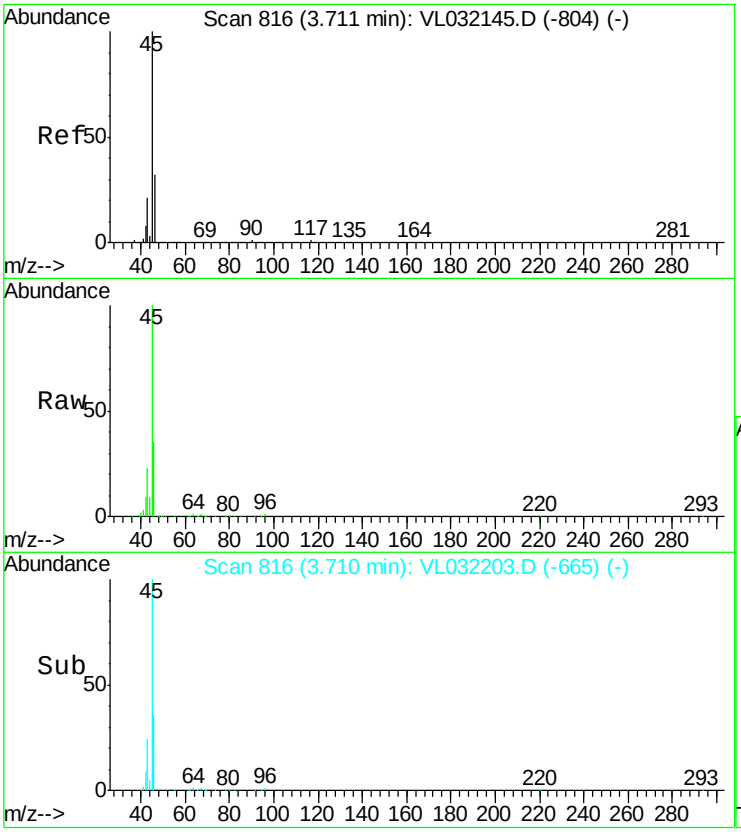


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.437 ppbv
RT: 4.63 min Scan# 1101
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion:101 Resp: 1200629

Ion	Ratio	Lower	Upper
101	100		
151	67.1	58.8	88.2



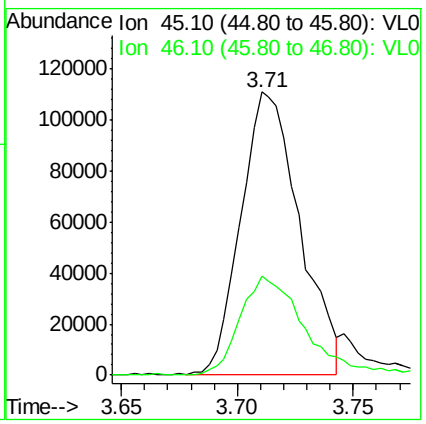


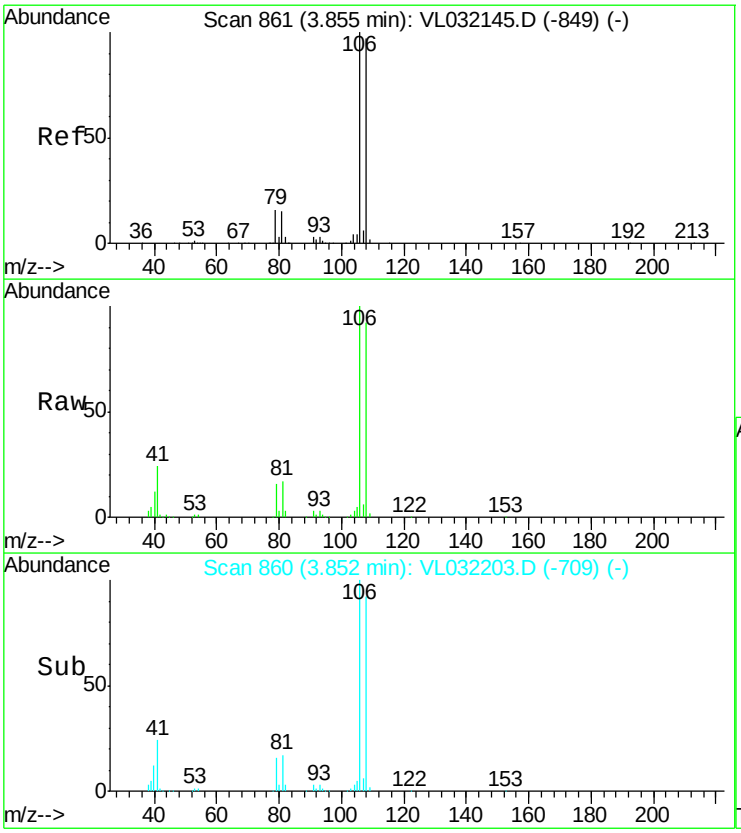
#13
Ethanol
Concen: 7.538 ppbv
RT: 3.71 min Scan# 816
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 195184

Ion	Ratio	Lower	Upper
45	100		
46	39.3	14.6	58.4

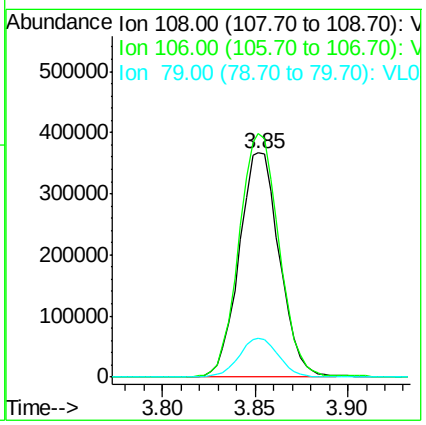


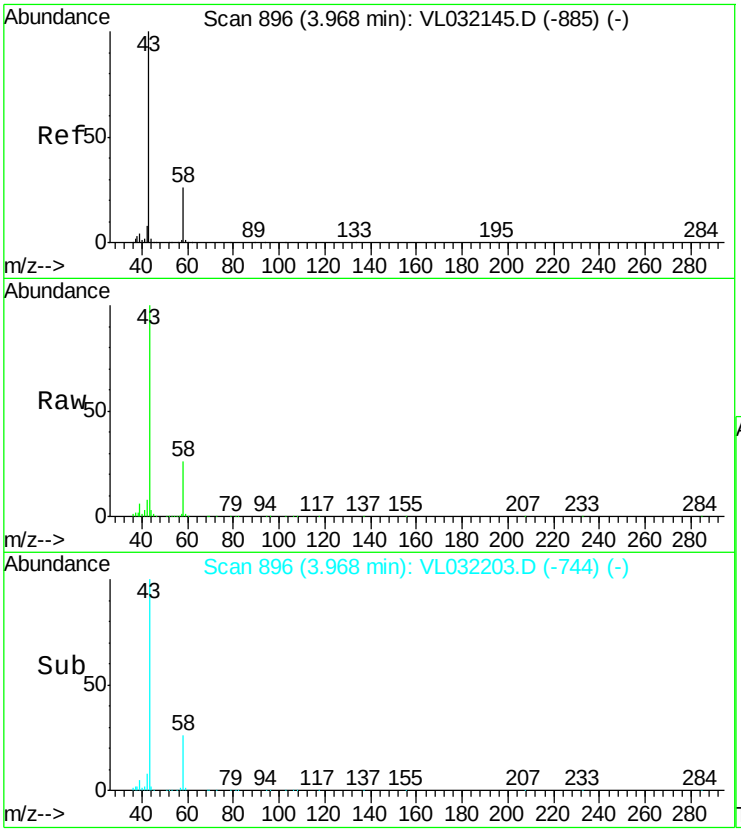


#14
Bromoethene
Concen: 8.158 ppbv
RT: 3.85 min Scan# 860
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion:108 Resp: 552328

Ion	Ratio	Lower	Upper
108	100		
106	109.2	86.3	129.5
79	17.2	12.7	19.1



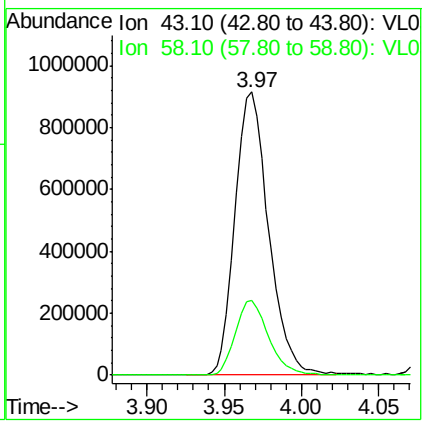


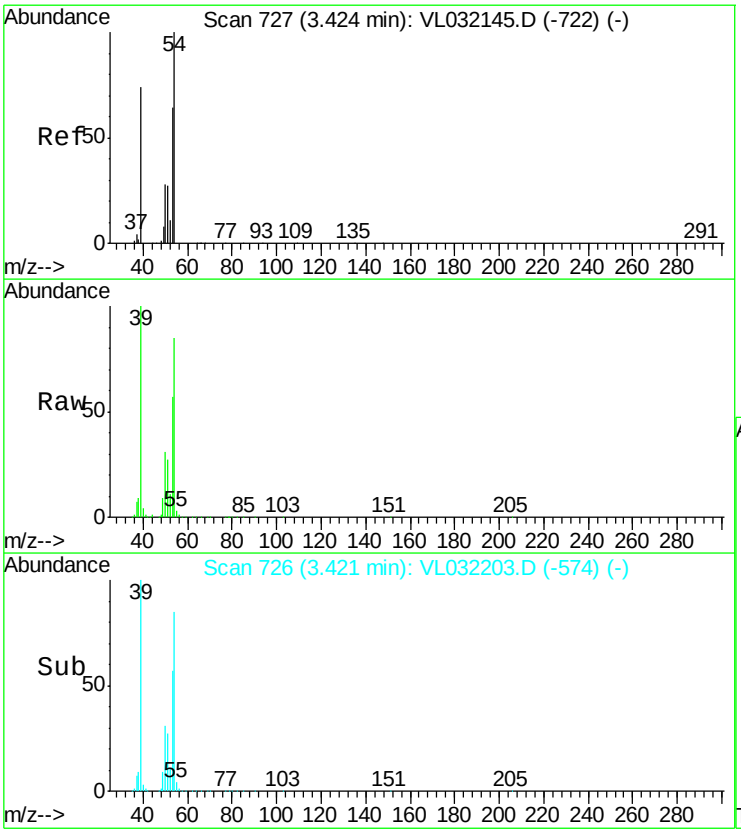
#15
Acetone
Concen: 7.860 ppbv
RT: 3.97 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1378486

Ion	Ratio	Lower	Upper
43	100		
58	26.2	21.4	32.0

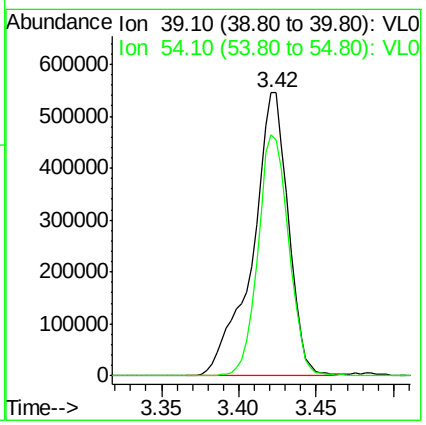


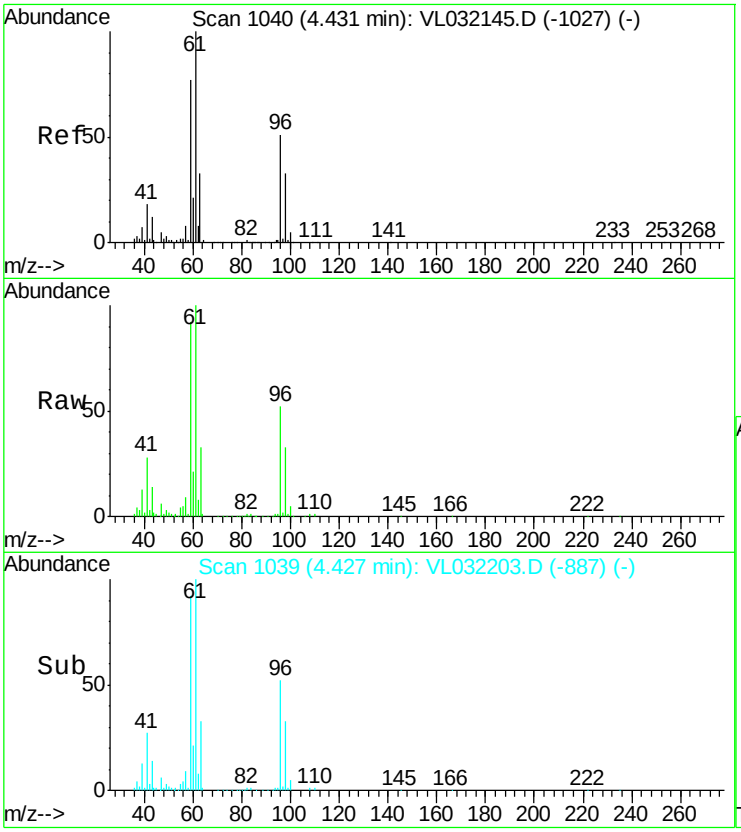


#16
1,3-Butadiene
Concen: 10.525 ppbv
RT: 3.42 min Scan# 726
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 39 Resp: 880800

Ion	Ratio	Lower	Upper
39	100		
54	73.6	75.8	113.6#



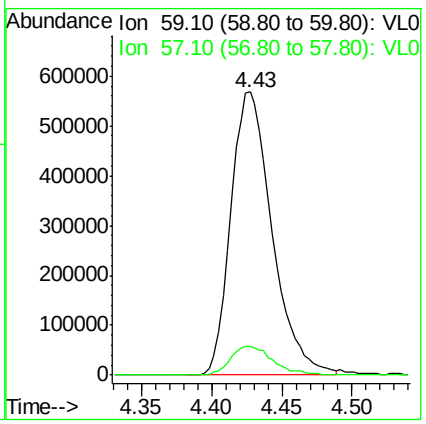


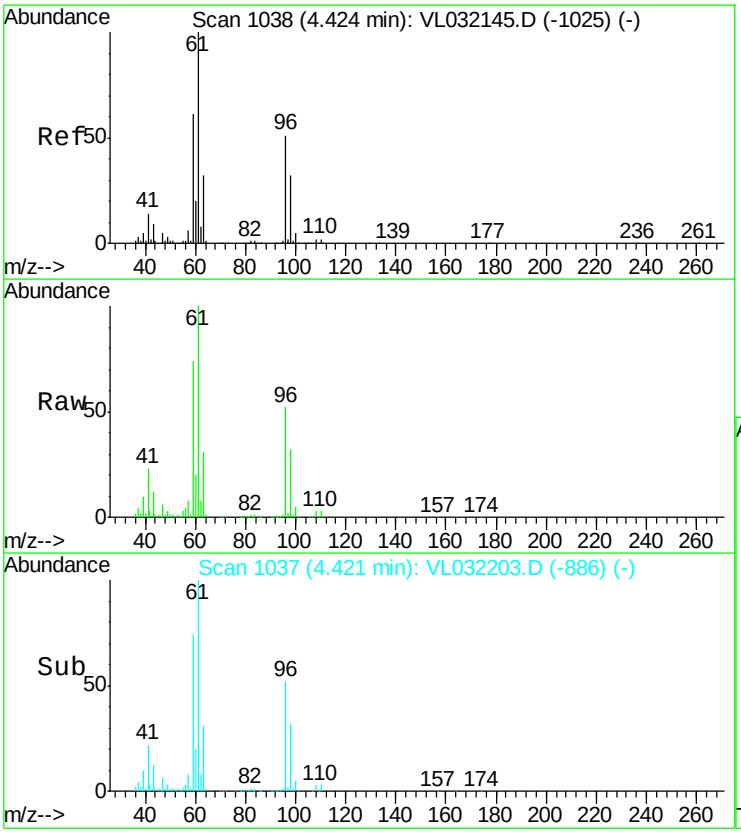
#17
tert-Butyl alcohol
Concen: 10.428 ppbv
RT: 4.43 min Scan# 1039
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 59 Resp: 1164470

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.2

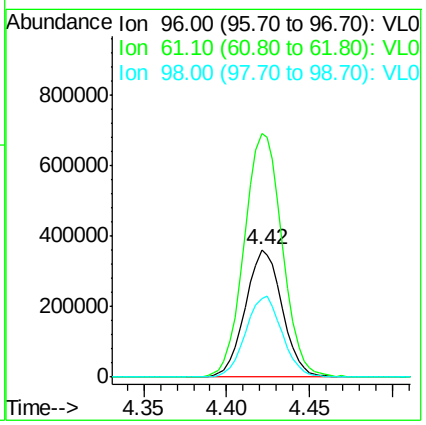


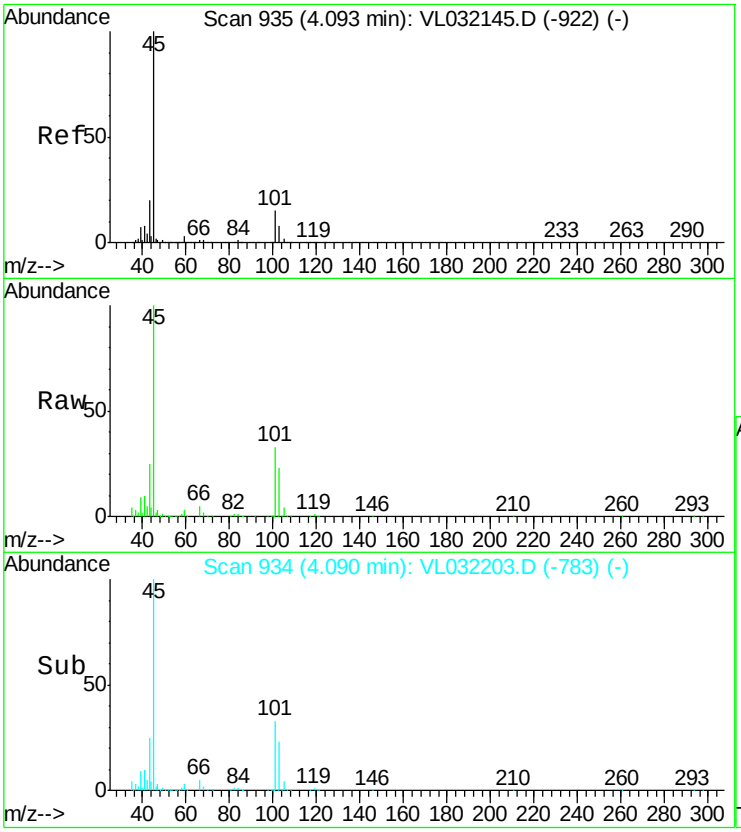


#18
1,1-Dichloroethene
Concen: 8.173 ppbv
RT: 4.42 min Scan# 1037
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 96 Resp: 556313

Ion	Ratio	Lower	Upper
96	100		
61	191.4	154.1	231.1
98	61.5	50.3	75.5



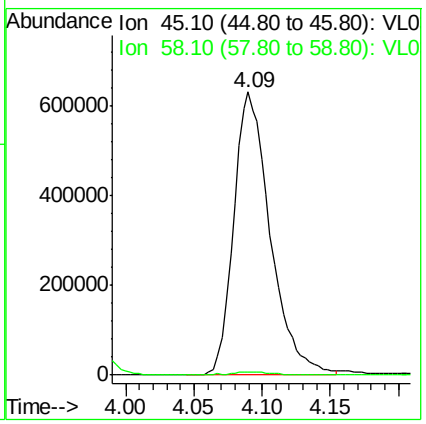


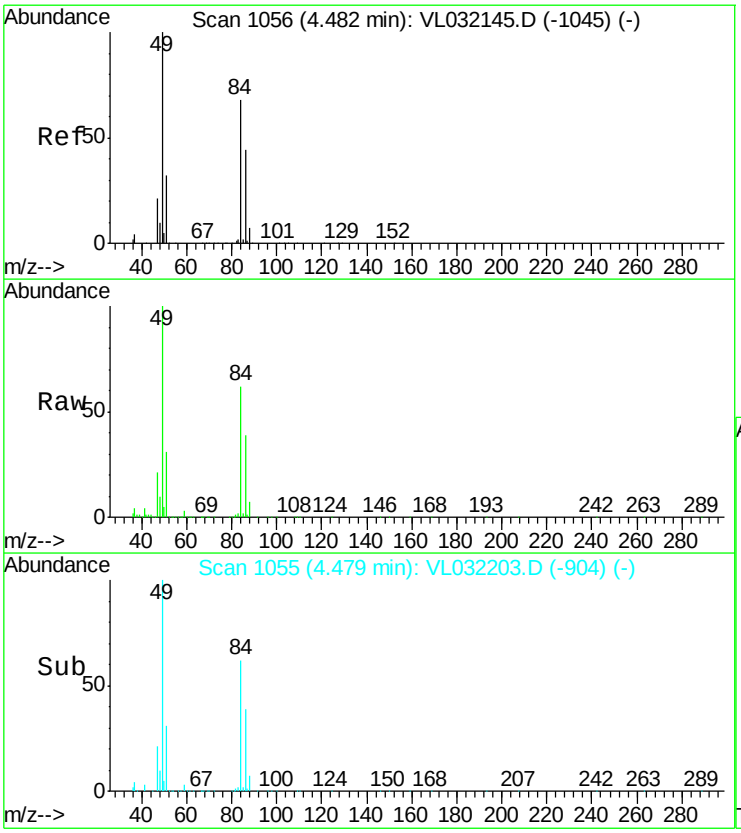
#19
Isopropyl Alcohol
Concen: 8.006 ppbv
RT: 4.09 min Scan# 934
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 1166576

Ion	Ratio	Lower	Upper
45	100		
58	1.5	29.4	44.0#

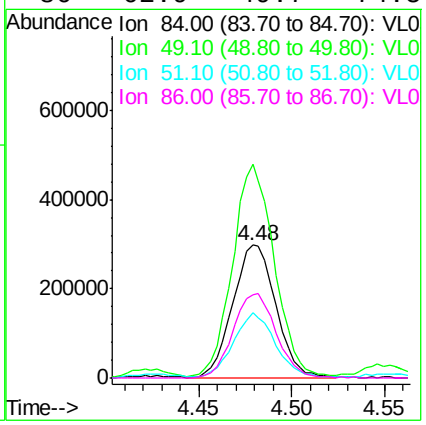


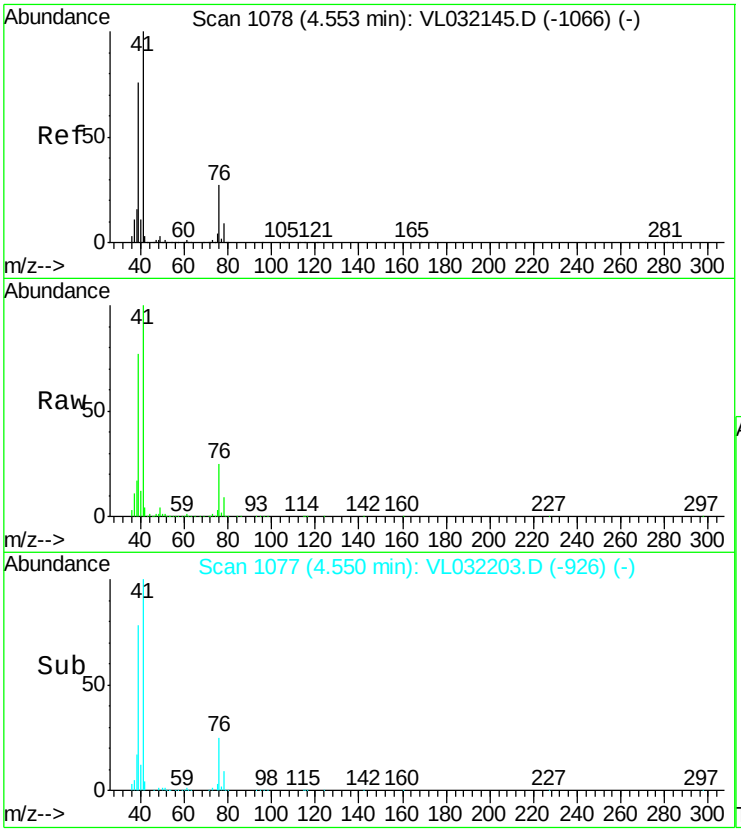


#20
Methylene Chloride
Concen: 7.458 ppbv
RT: 4.48 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 84 Resp: 477973

Ion	Ratio	Lower	Upper
84	100		
49	160.2	119.6	179.4
51	48.7	36.3	54.5
86	62.9	49.7	74.5



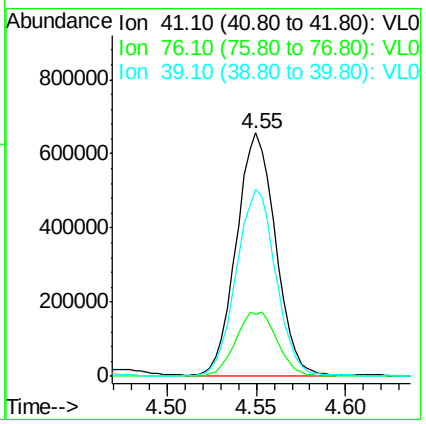


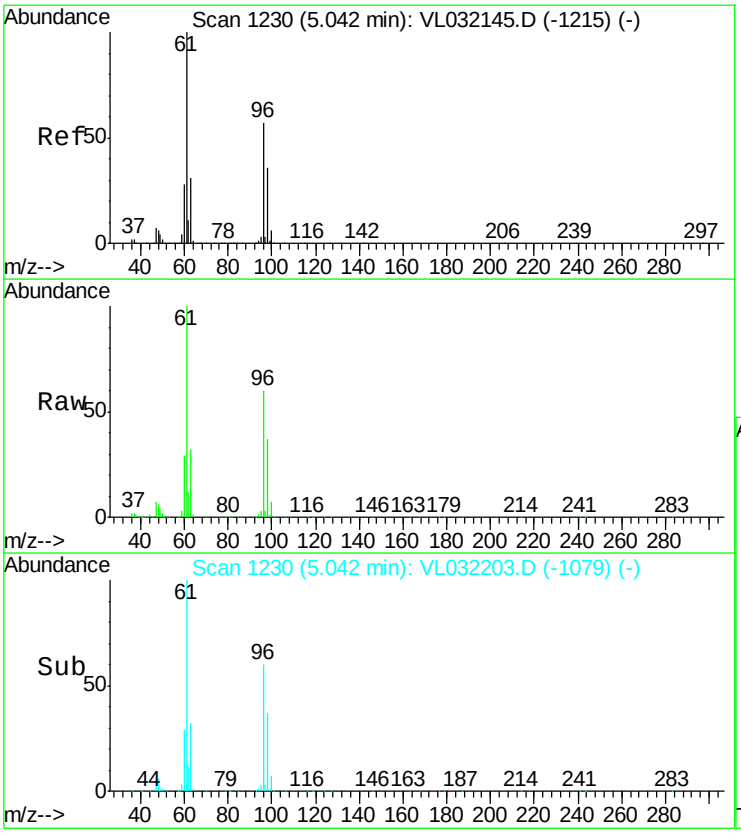
#21
Allyl Chloride
Concen: 8.355 ppbv
RT: 4.55 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 1000583

Ion	Ratio	Lower	Upper
41	100		
76	28.2	22.5	33.7
39	77.7	60.5	90.7

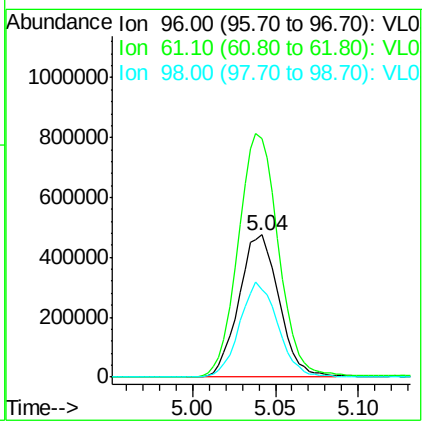


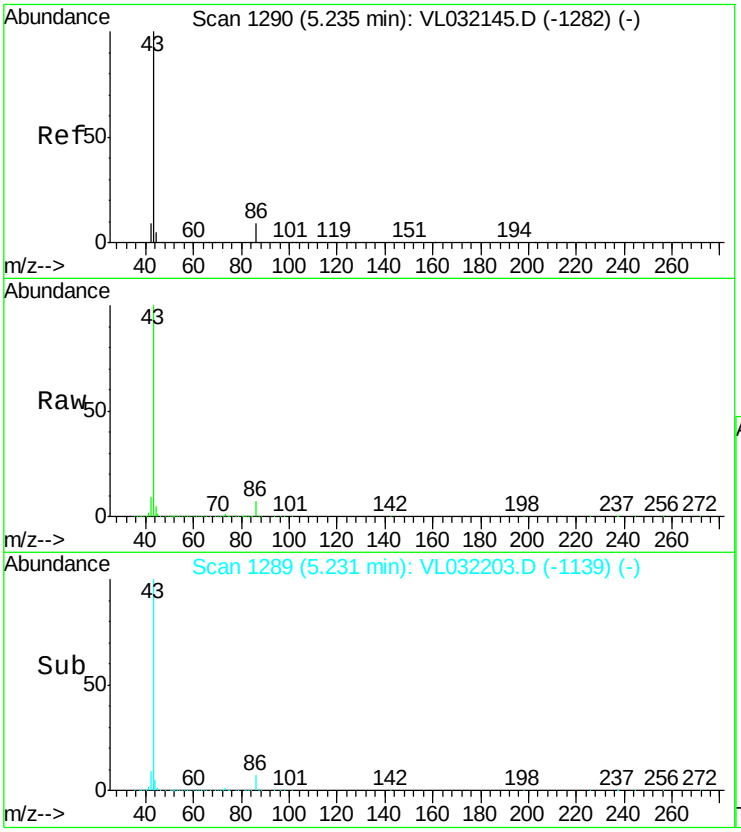


#22
trans-1,2-Dichloroethene
Concen: 11.270 ppbv
RT: 5.04 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 96 Resp: 802007

Ion	Ratio	Lower	Upper
96	100		
61	167.9	135.2	202.8
98	61.7	49.7	74.5



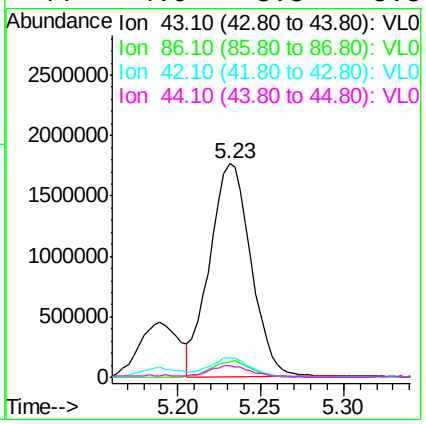


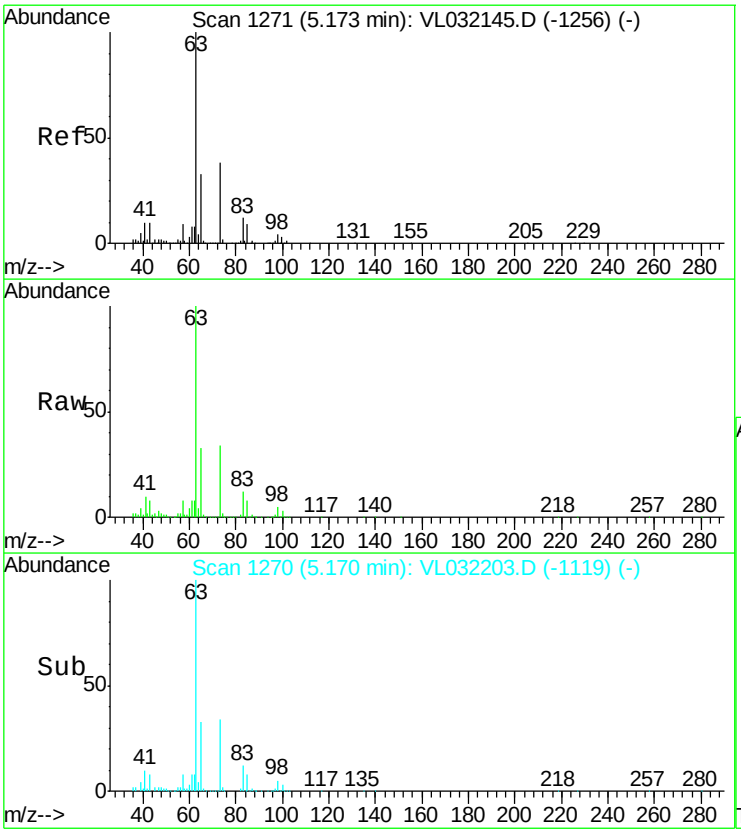
#23
Vinyl Acetate
Concen: 9.588 ppbv
RT: 5.23 min Scan# 1289
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 3049321

Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.2	9.4
42	9.2	6.9	10.3
44	4.9	3.8	5.8

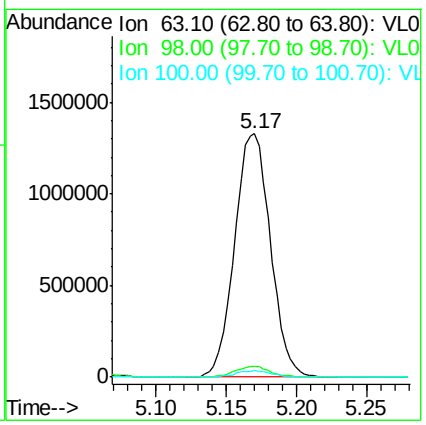


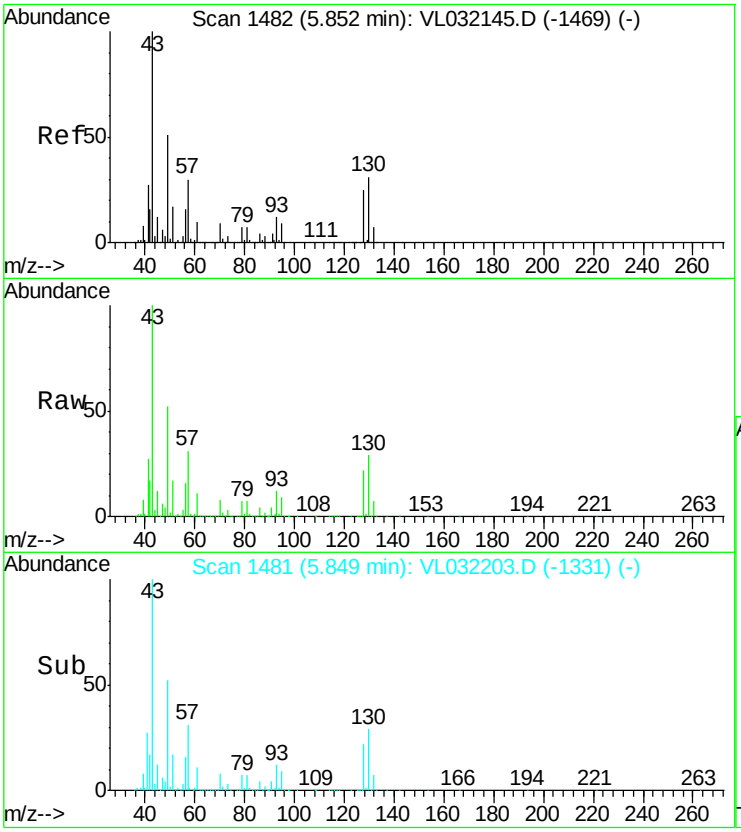


#24
1,1-Dichloroethane
Concen: 11.555 ppbv
RT: 5.17 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 63 Resp: 2354169

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.4	7.2
100	2.6	1.7	5.0



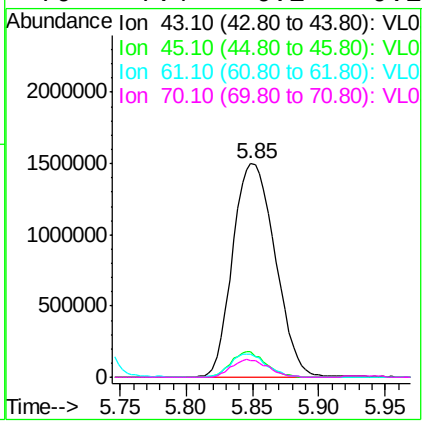


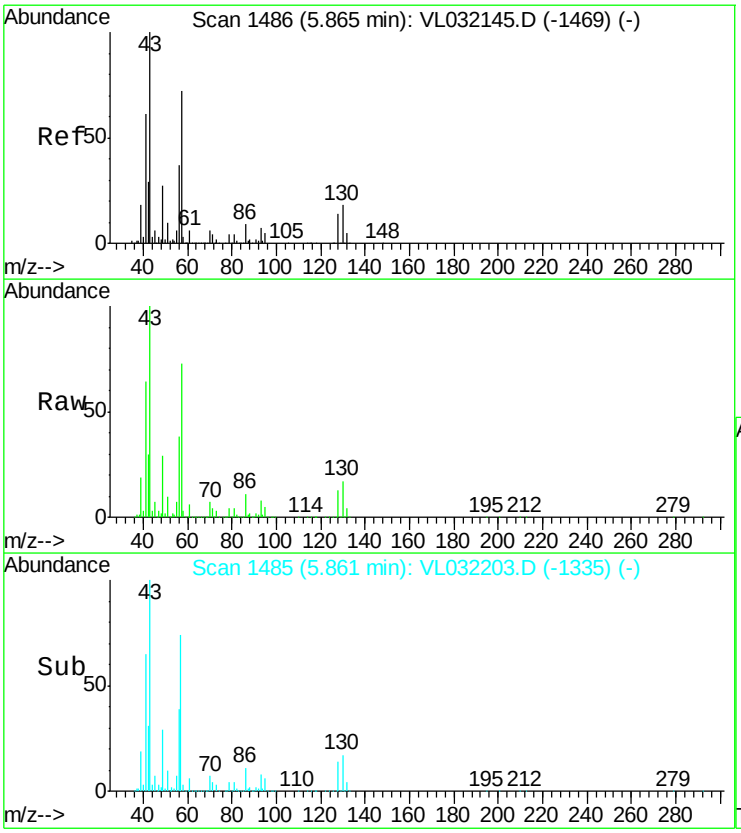
#25
Ethyl Acetate
Concen: 9.202 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 3338906

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.8
61	9.4	7.4	11.0
70	7.4	6.1	9.1

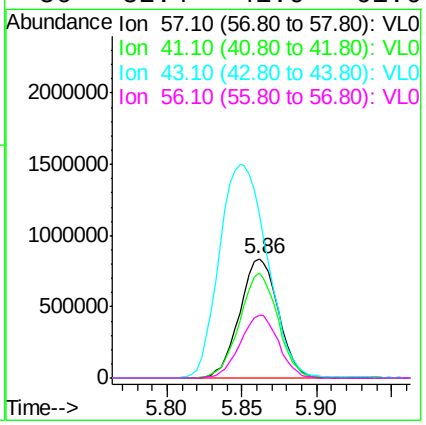


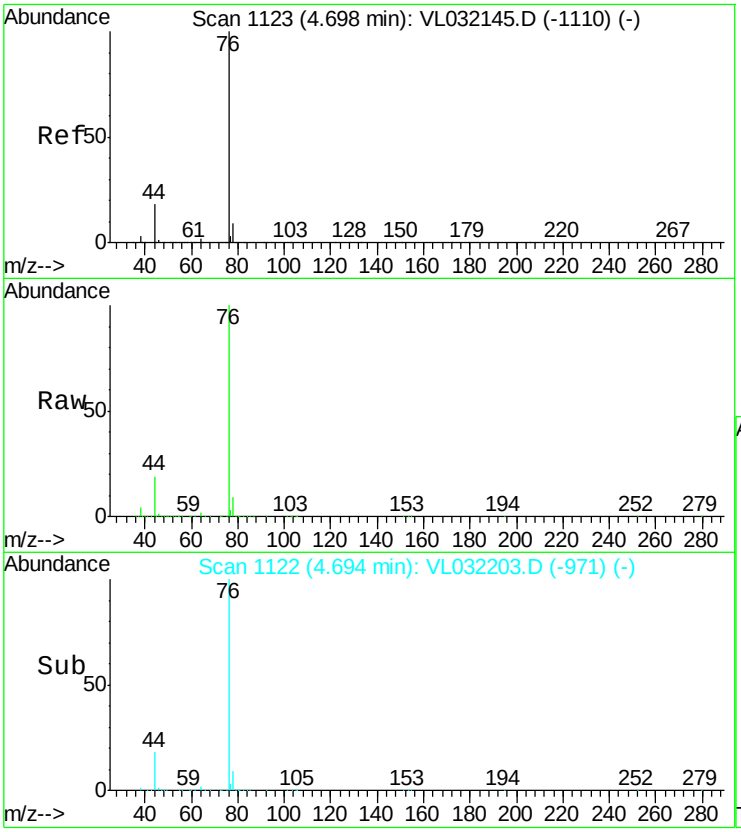


#26
Hexane
Concen: 9.031 ppbv
RT: 5.86 min Scan# 1485
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 57 Resp: 1508896

Ion	Ratio	Lower	Upper
57	100		
41	86.8	68.6	103.0
43	222.7	168.6	252.8
56	52.4	41.0	61.6



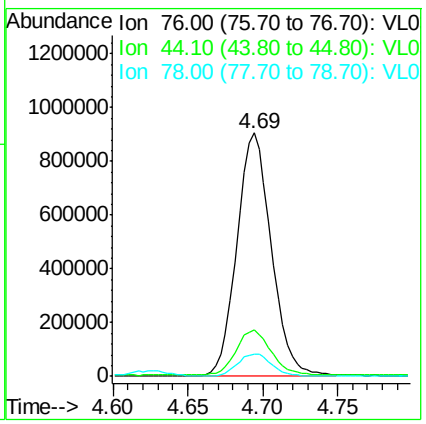


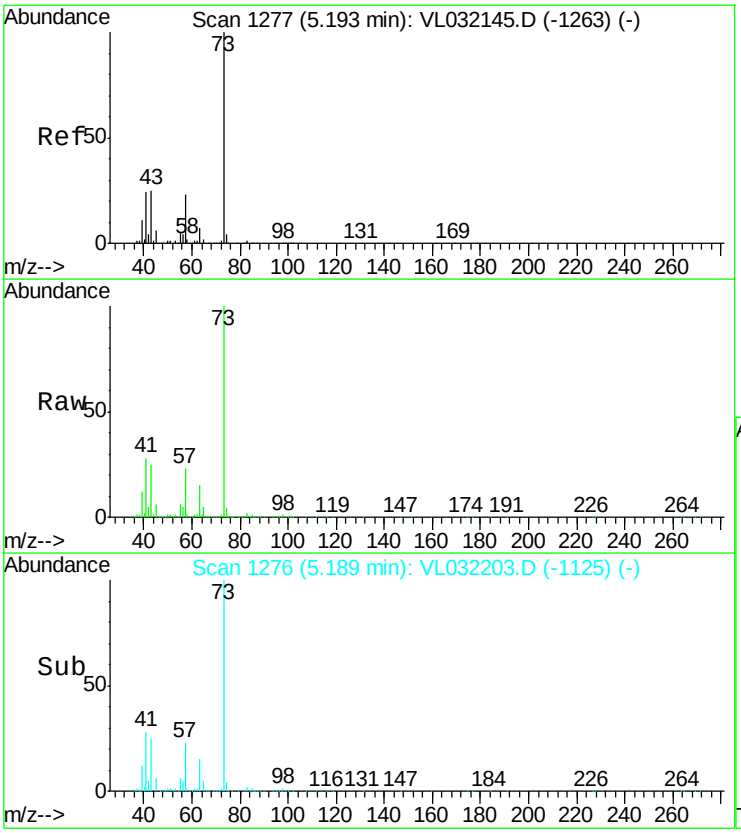
#27
Carbon Disulfide
Concen: 8.762 ppbv
RT: 4.69 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1455385

Ion	Ratio	Lower	Upper
76	100		
44	18.5	15.1	22.7
78	9.2	7.2	10.8

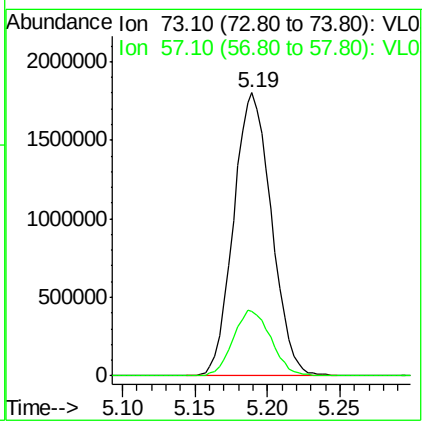


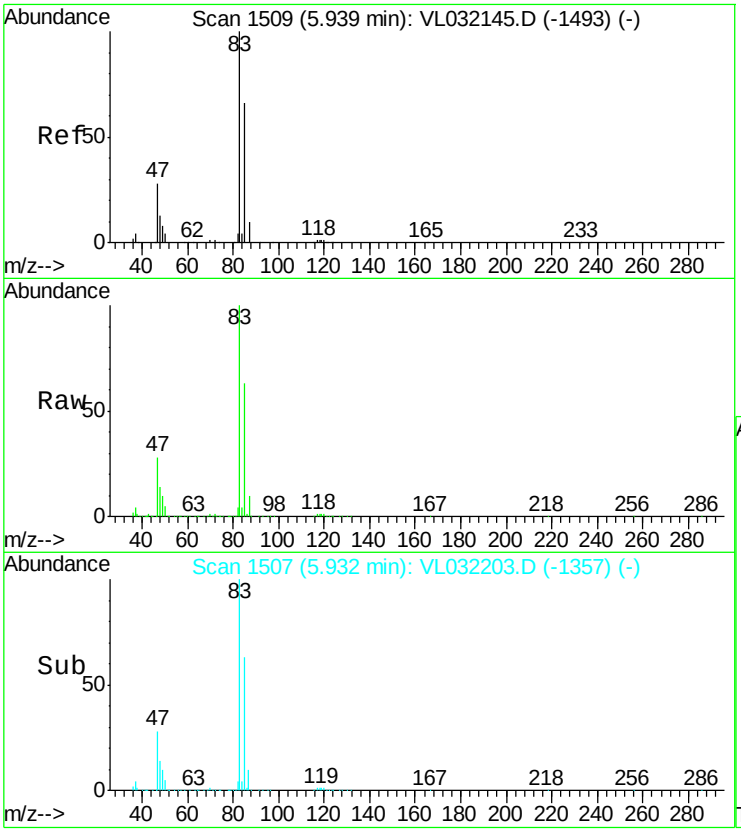


#28
Methyl tert-Butyl Ether
Concen: 11.089 ppbv
RT: 5.19 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 73 Resp: 3274738

Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.6	27.8



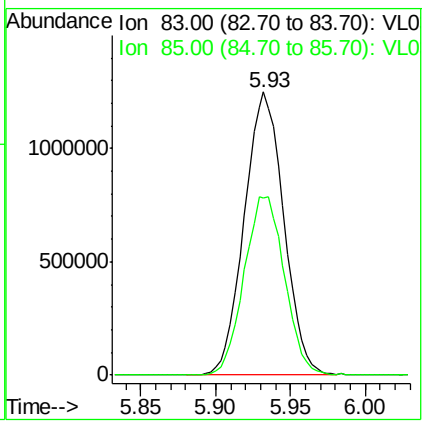


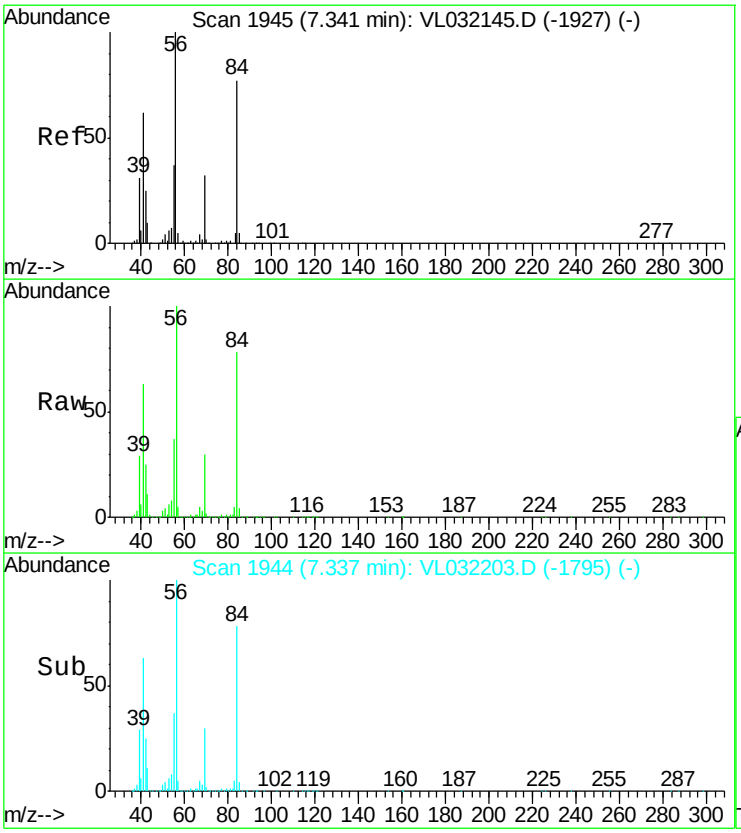
#29
Chloroform
Concen: 9.448 ppbv
RT: 5.93 min Scan# 1507
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2297970

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.6	77.4

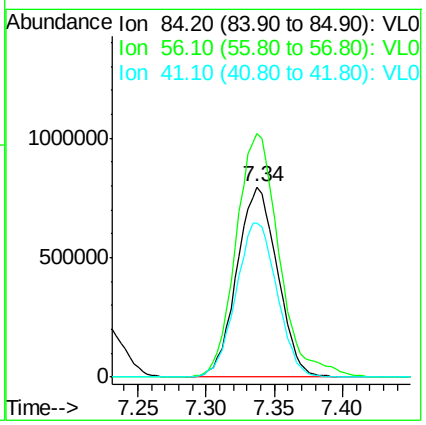


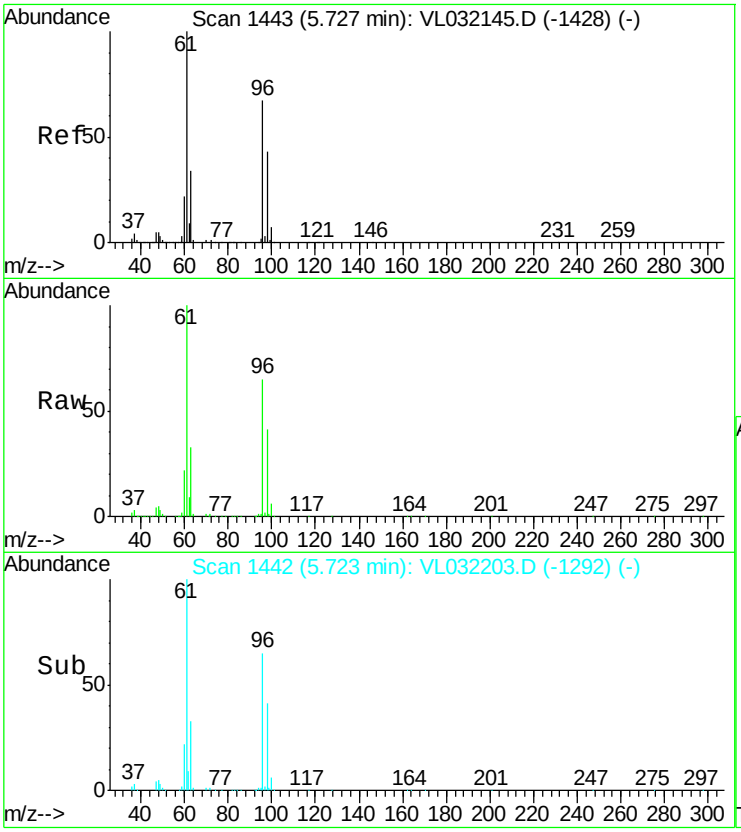


#30
Cyclohexane
Concen: 10.388 ppbv
RT: 7.34 min Scan# 1944
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 84 Resp: 1636053

Ion	Ratio	Lower	Upper
84	100		
56	136.7	109.1	163.7
41	82.6	64.6	96.8



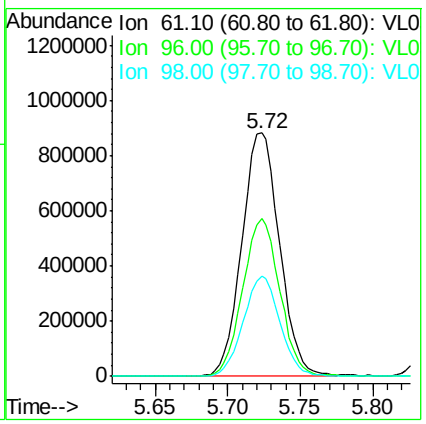


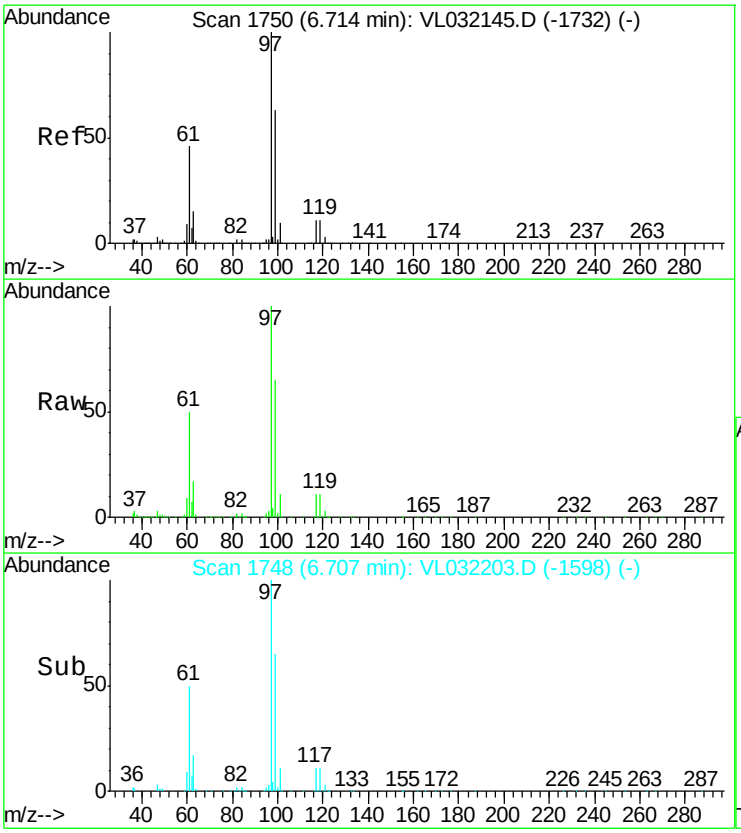
#31
cis-1,2-Dichloroethene
Concen: 9.571 ppbv
RT: 5.72 min Scan# 1442
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1598258

Ion	Ratio	Lower	Upper
61	100		
96	64.7	54.2	81.4
98	41.1	34.6	52.0

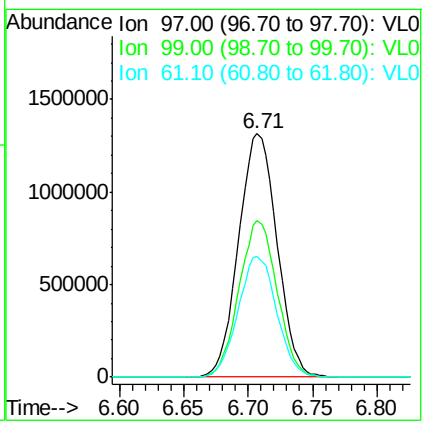


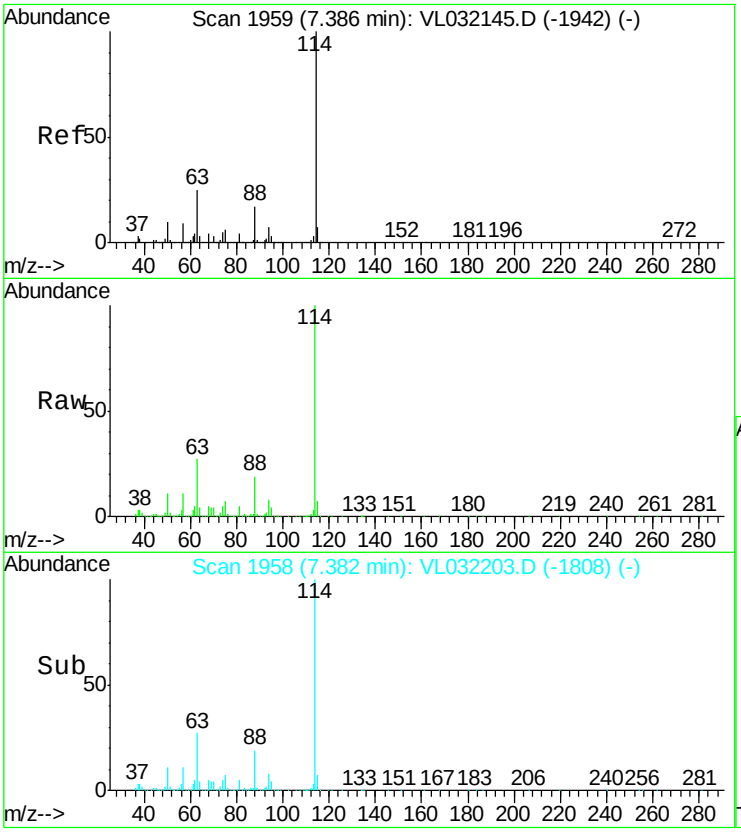


#32
1,1,1-Trichloroethane
Concen: 10.714 ppbv
RT: 6.71 min Scan# 1748
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 97 Resp: 2731659

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.3	76.9
61	50.0	38.4	57.6



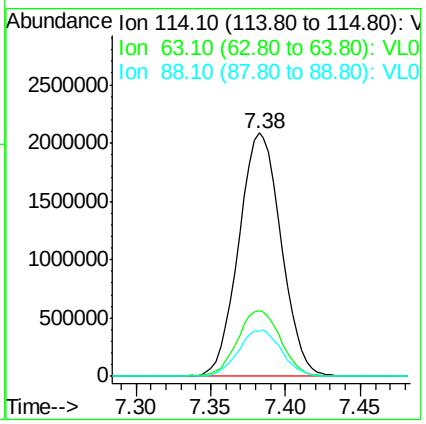


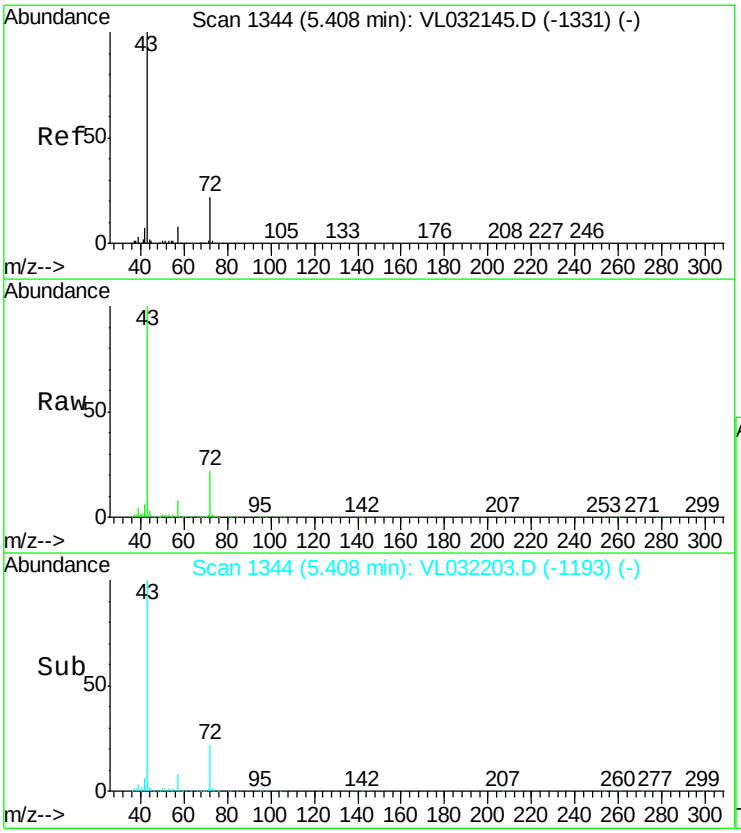
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.38 min Scan# 1958
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 4109981

Ion	Ratio	Lower	Upper
114	100		
63	27.8	19.1	28.7
88	19.3	13.9	20.9

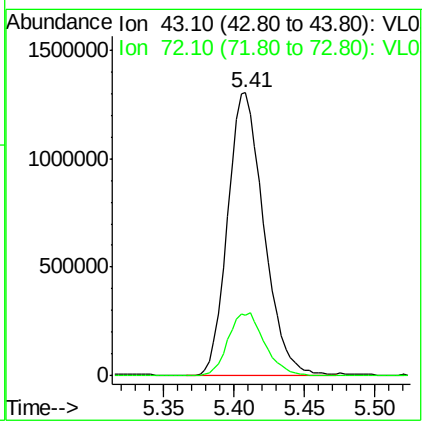


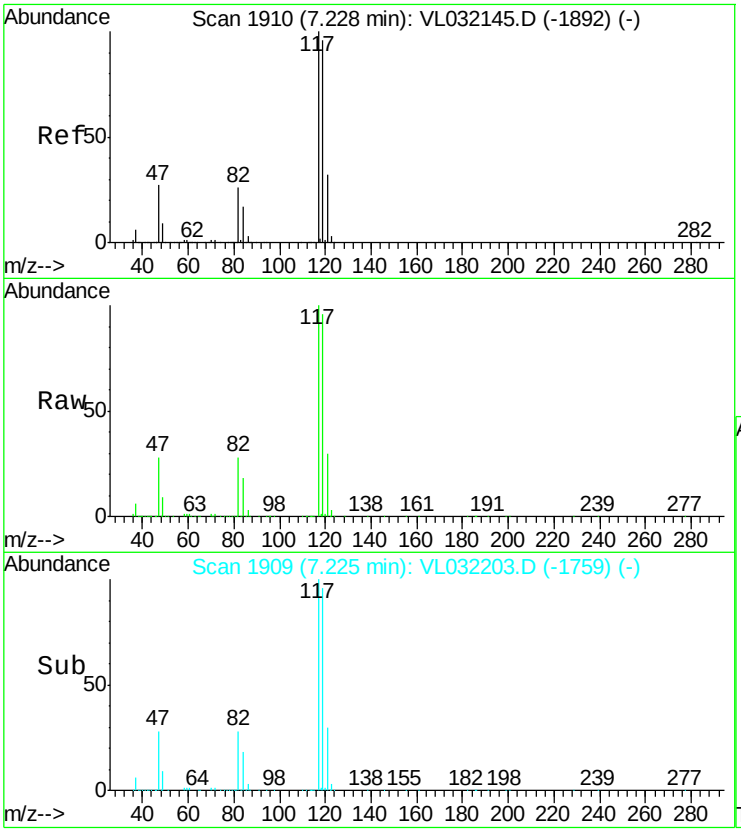


#34
2-Butanone
Concen: 8.950 ppbv
RT: 5.41 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 43 Resp: 2334777

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.4	27.6



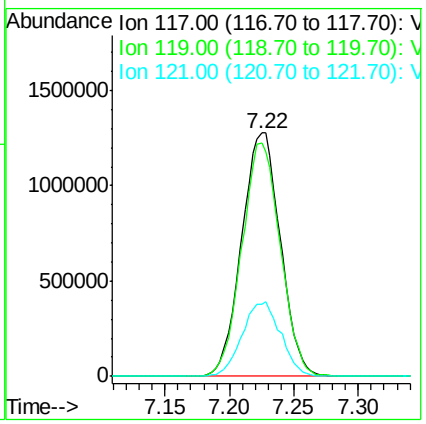


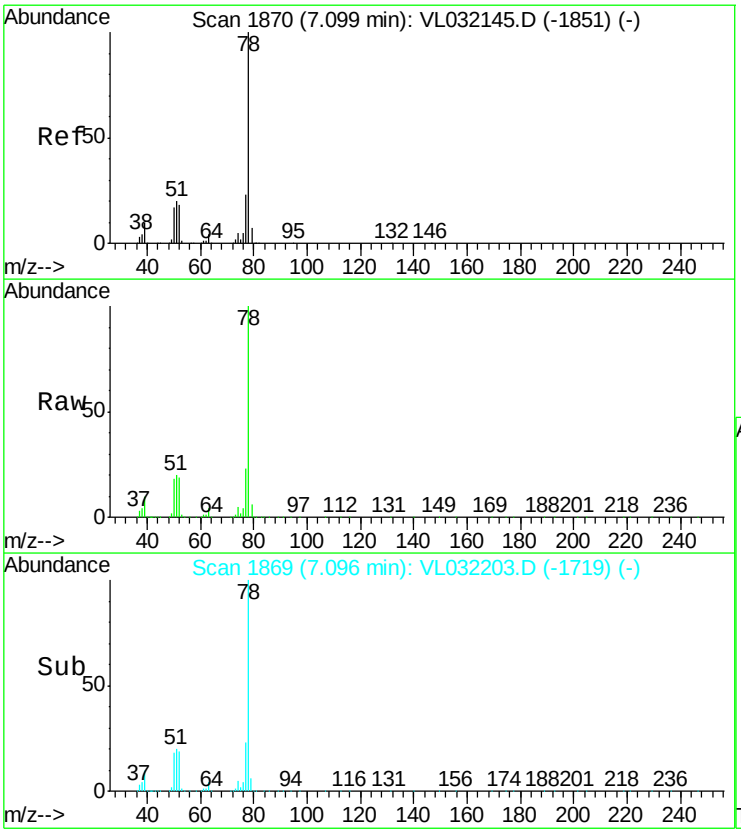
#35
Carbon Tetrachloride
Concen: 9.502 ppbv
RT: 7.22 min Scan# 1909
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 2673345

Ion	Ratio	Lower	Upper
117	100		
119	95.8	74.8	112.2
121	29.8	24.0	36.0

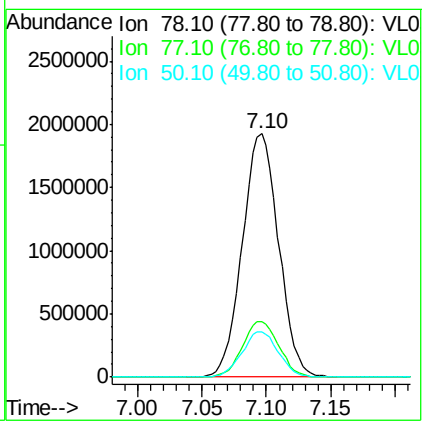


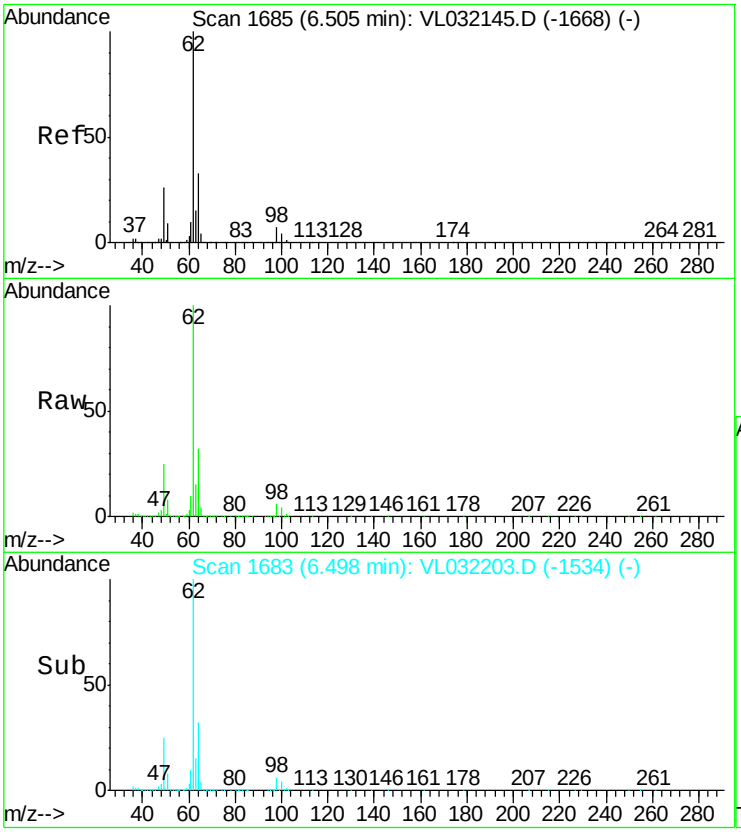


#36
Benzene
Concen: 9.502 ppbv
RT: 7.10 min Scan# 1869
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 78 Resp: 3779952

Ion	Ratio	Lower	Upper
78	100		
77	22.9	17.7	26.5
50	18.5	14.0	21.0



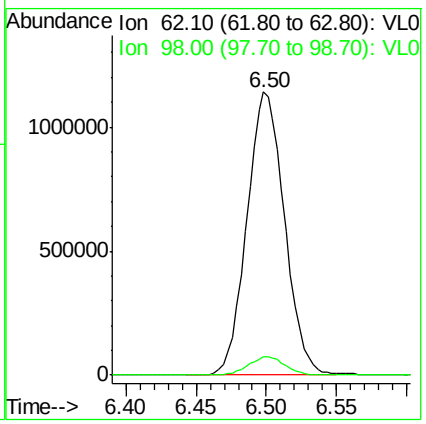


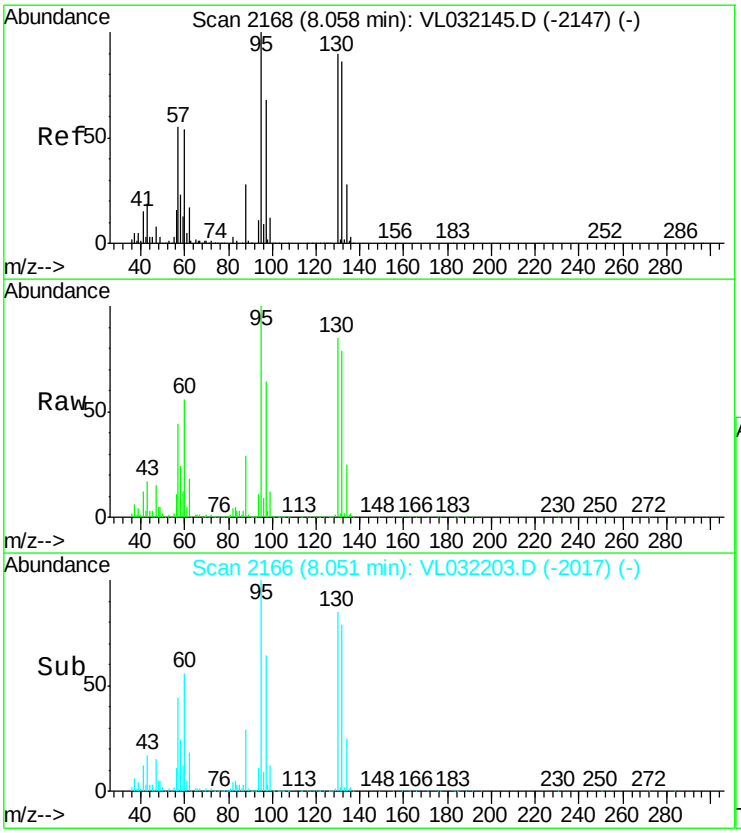
#37
1,2-Dichloroethane
Concen: 10.723 ppbv
RT: 6.50 min Scan# 1683
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 2125253

Ion	Ratio	Lower	Upper
62	100		
98	6.3	5.8	8.6

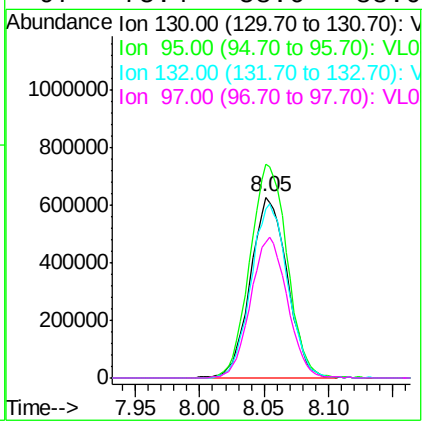


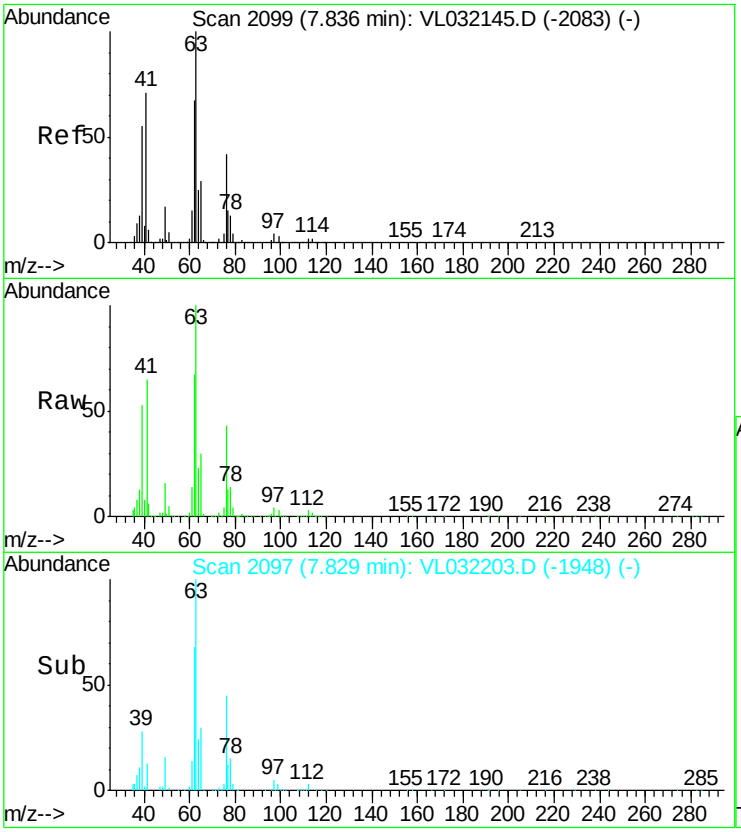


#38
Trichloroethene
Concen: 8.019 ppbv
RT: 8.05 min Scan# 2166
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion:130 Resp: 1246219

Ion	Ratio	Lower	Upper
130	100		
95	118.4	88.1	132.1
132	93.7	74.6	112.0
97	75.4	58.6	88.0



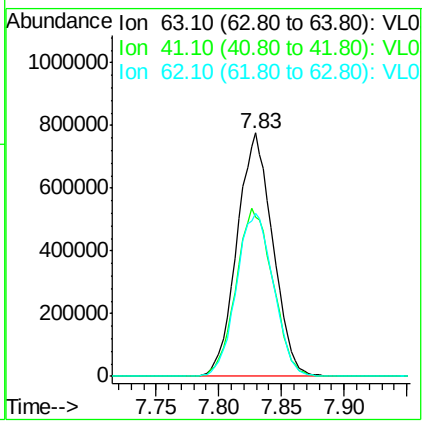


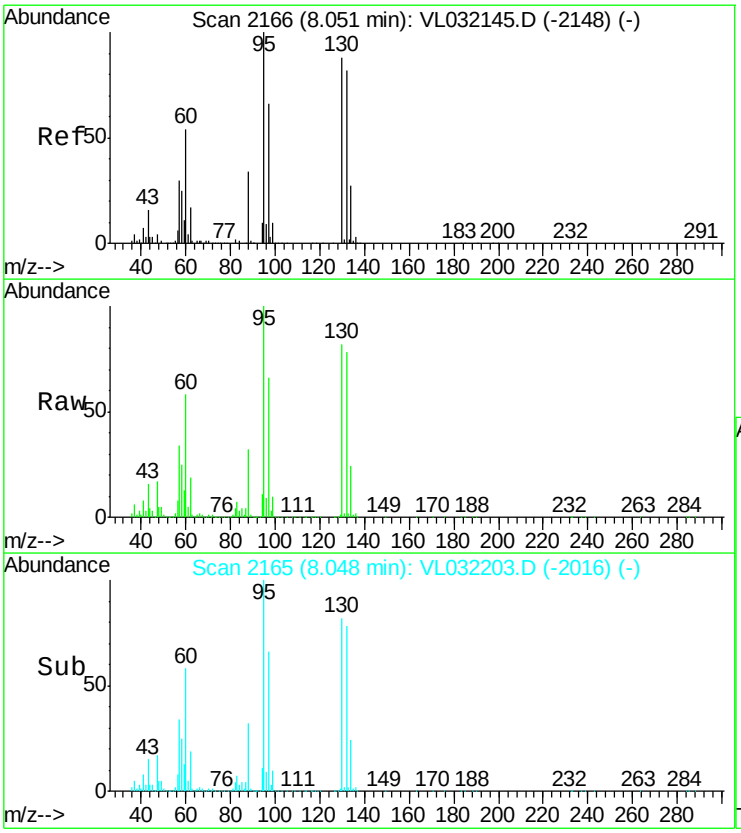
#39
1,2-Dichloropropane
Concen: 9.793 ppbv
RT: 7.83 min Scan# 2097
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 1536458

Ion	Ratio	Lower	Upper
63	100		
41	65.5	53.3	79.9
62	67.0	54.8	82.2

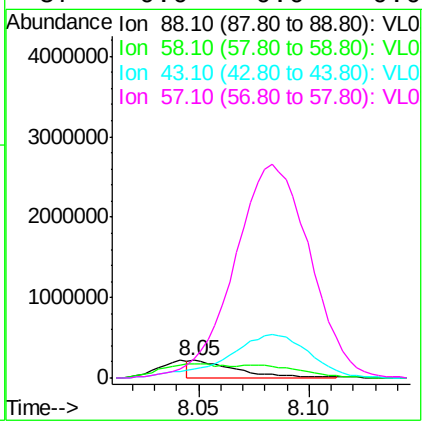


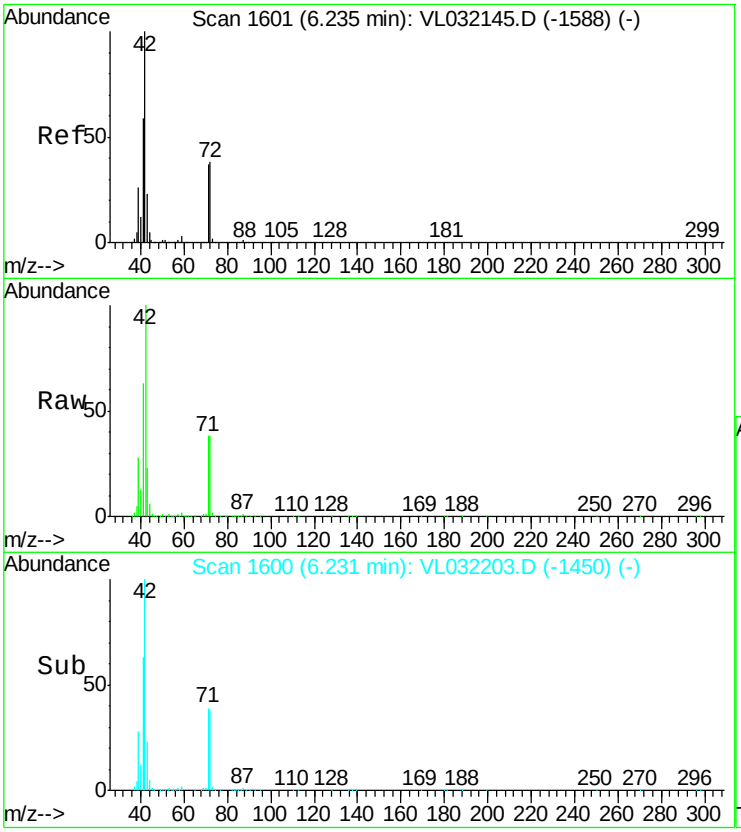


#40
1,4-Dioxane
Concen: 4.976 ppbv
RT: 8.05 min Scan# 2165
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 88 Resp: 306148

Ion	Ratio	Lower	Upper
88	100		
58	232.6	47.4	71.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0



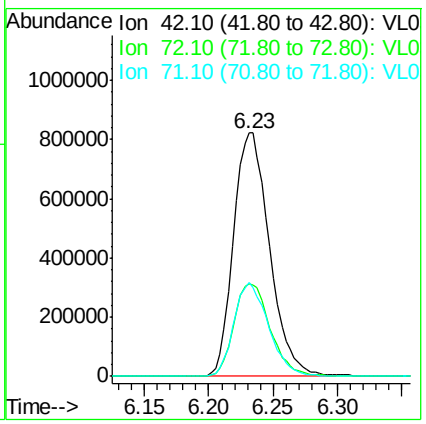


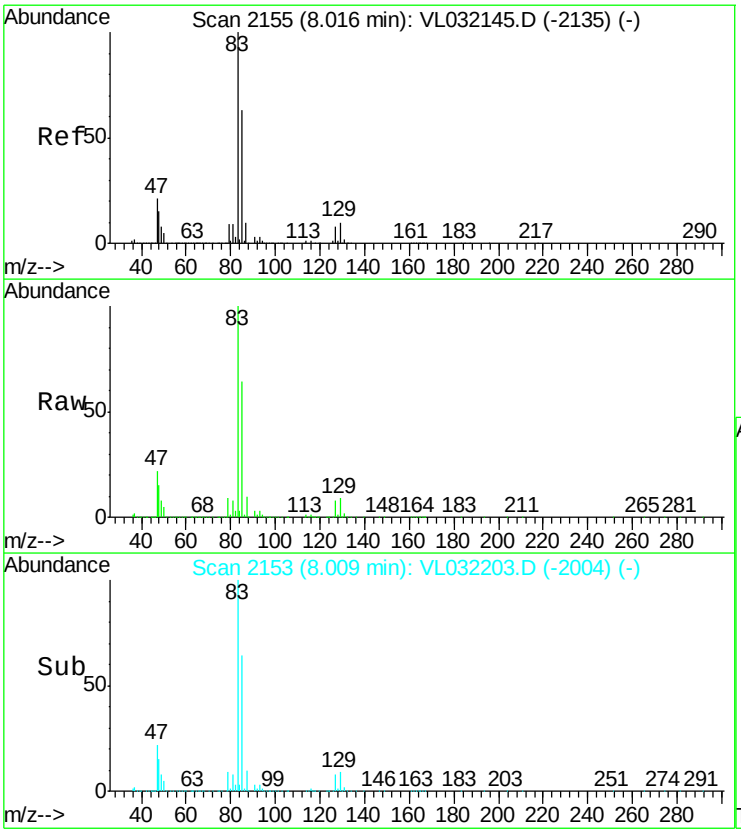
#41
Tetrahydrofuran
Concen: 10.224 ppbv
RT: 6.23 min Scan# 1600
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 1598833

Ion	Ratio	Lower	Upper
42	100		
72	38.5	31.1	46.7
71	37.2	29.5	44.3

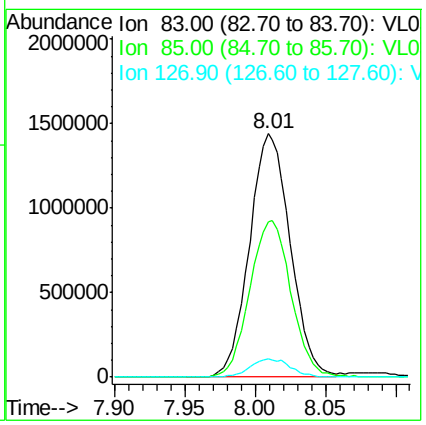


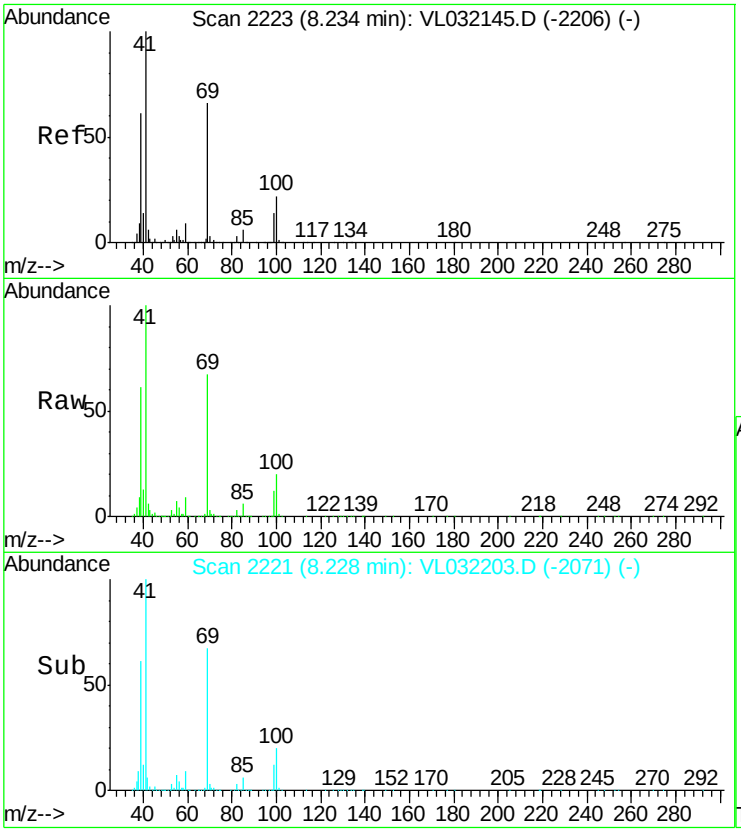


#42
Bromodichloromethane
Concen: 9.382 ppbv
RT: 8.01 min Scan# 2153
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 83 Resp: 2914338

Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.6	79.0
127	7.7	6.5	9.7



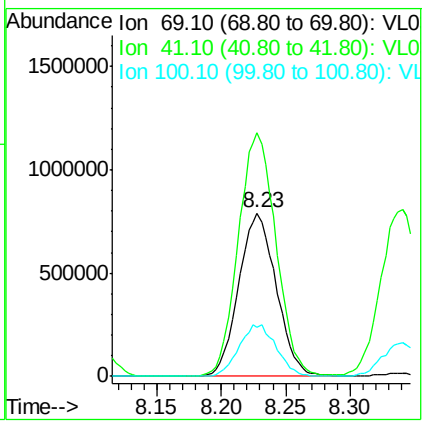


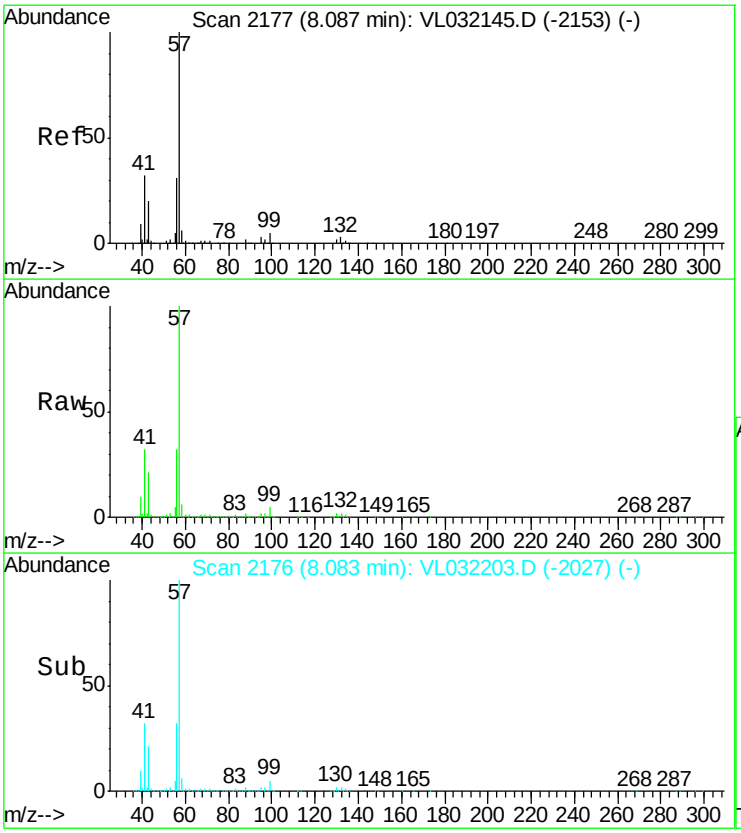
#43
Methyl Methacrylate
Concen: 9.696 ppbv
RT: 8.23 min Scan# 2221
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 1598758

Ion	Ratio	Lower	Upper
69	100		
41	149.8	118.2	177.4
100	31.5	27.4	41.2

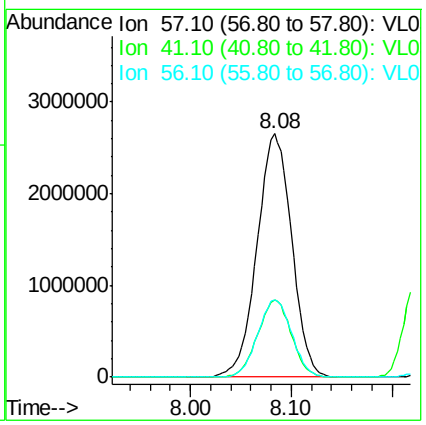


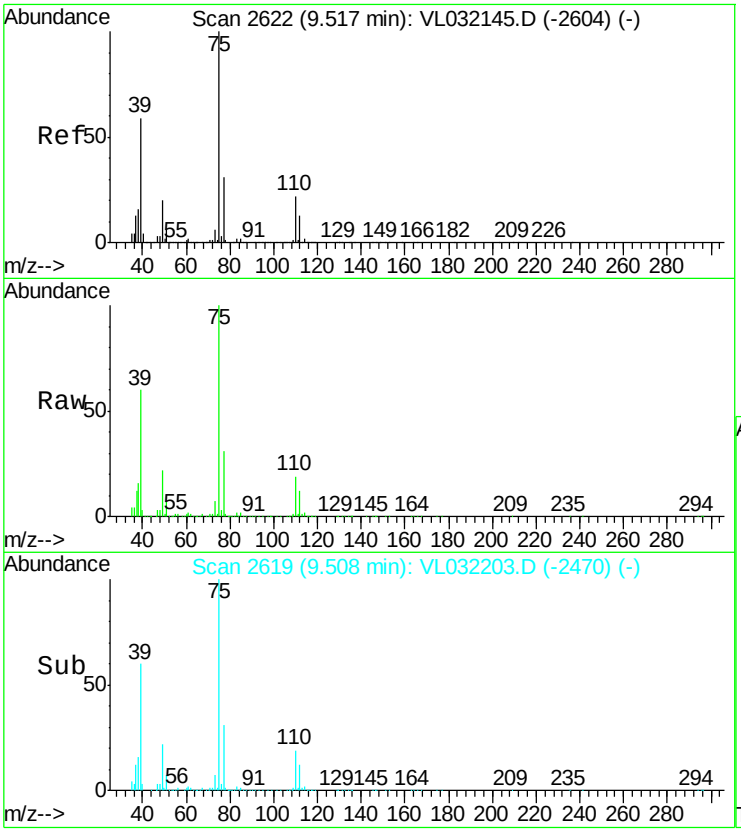


#44
2,2,4-Trimethylpentane
Concen: 9.116 ppbv
RT: 8.08 min Scan# 2176
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 57 Resp: 6345165

Ion	Ratio	Lower	Upper
57	100		
41	30.7	24.3	36.5
56	31.2	25.1	37.7



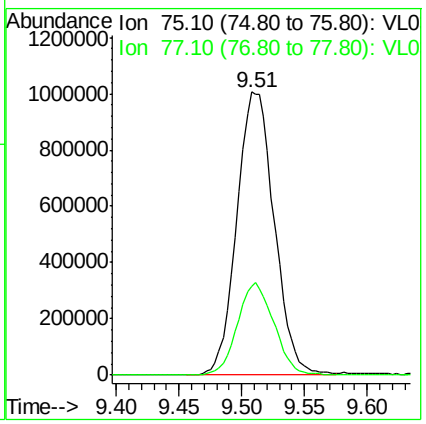


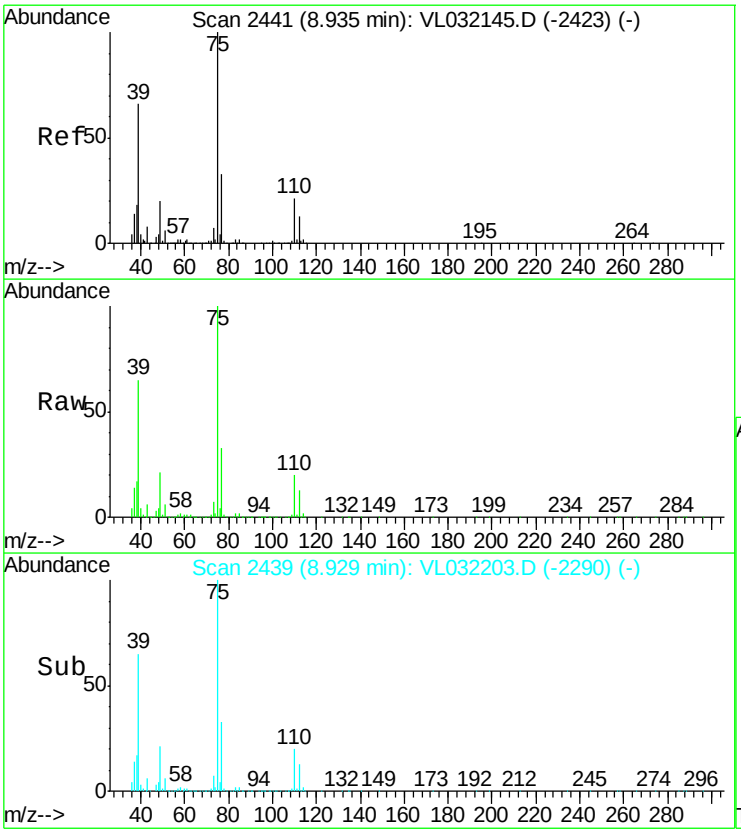
#45
t-1,3-Dichloropropene
Concen: 10.224 ppbv
RT: 9.51 min Scan# 2619
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 2088899

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.6	38.4

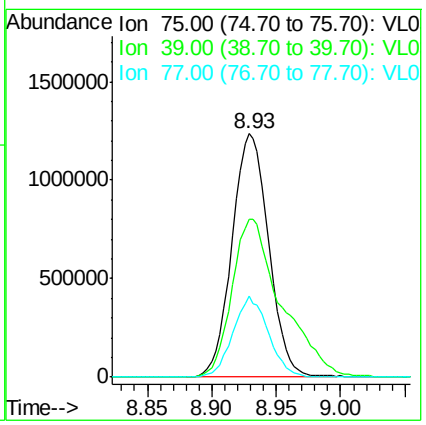


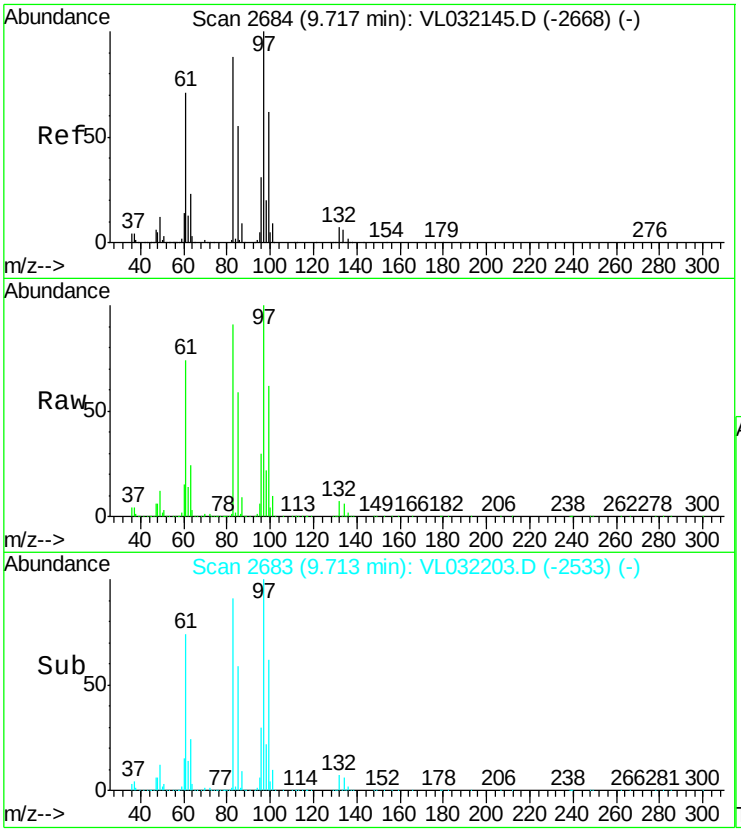


#46
cis-1,3-Dichloropropene
Concen: 9.987 ppbv
RT: 8.93 min Scan# 2439
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 75 Resp: 2436221

Ion	Ratio	Lower	Upper
75	100		
39	64.9	51.9	77.9
77	33.3	24.3	36.5



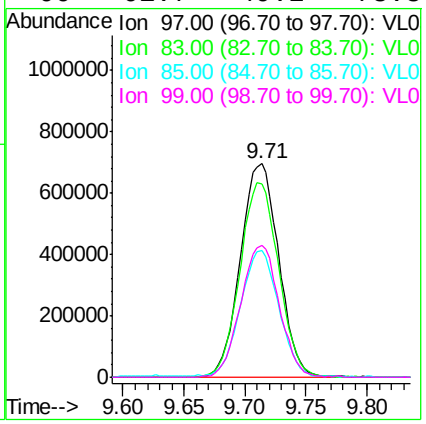


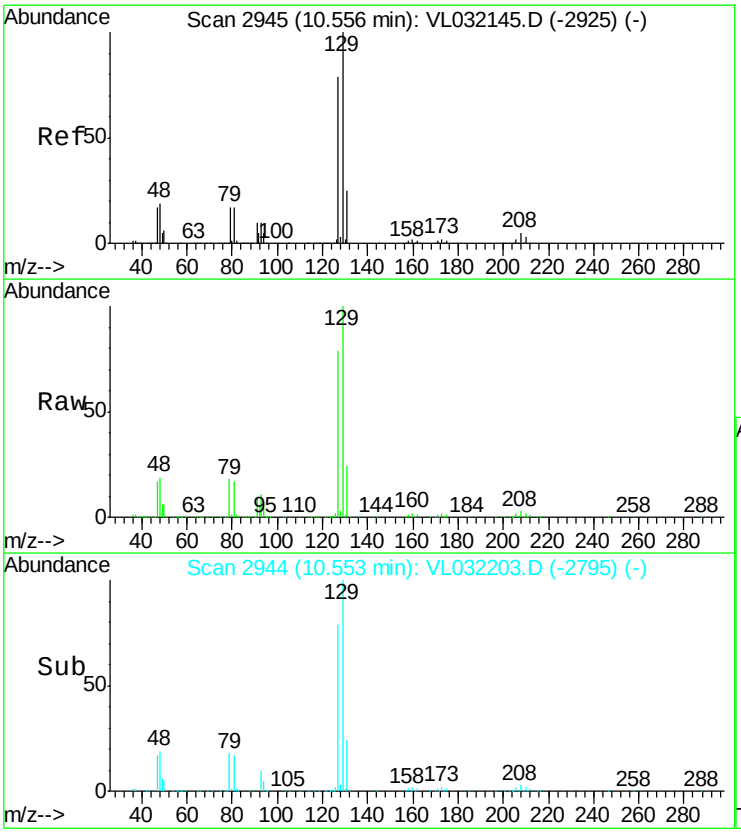
#47
1,1,2-Trichloroethane
Concen: 9.259 ppbv
RT: 9.71 min Scan# 2683
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 1509888

Ion	Ratio	Lower	Upper
97	100		
83	90.8	71.0	106.4
85	59.0	44.2	66.4
99	61.7	49.2	73.8

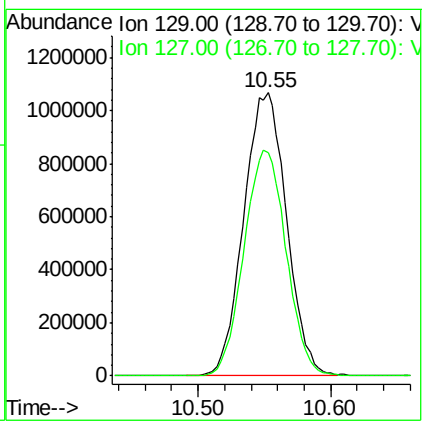


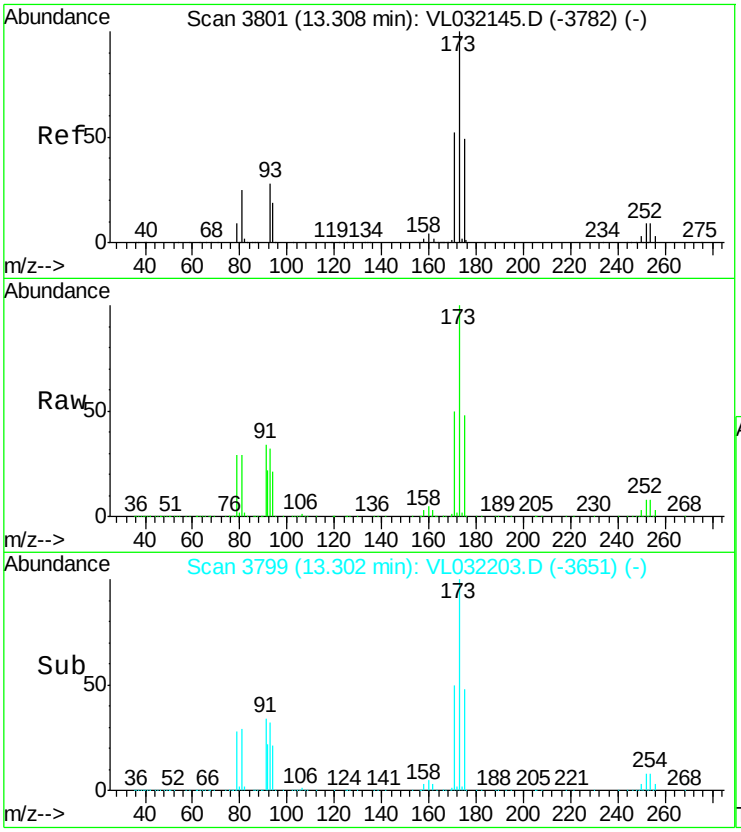


#48
Dibromochloromethane
Concen: 9.511 ppbv
RT: 10.55 min Scan# 2944
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion:129 Resp: 2400989

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.1	117.5



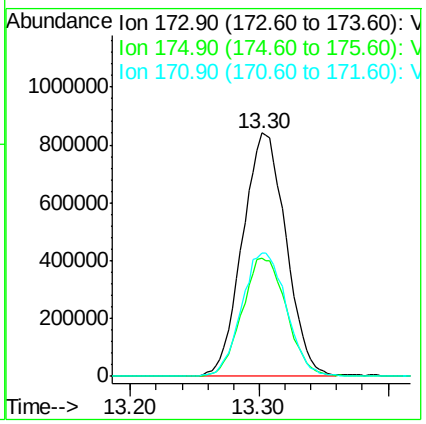


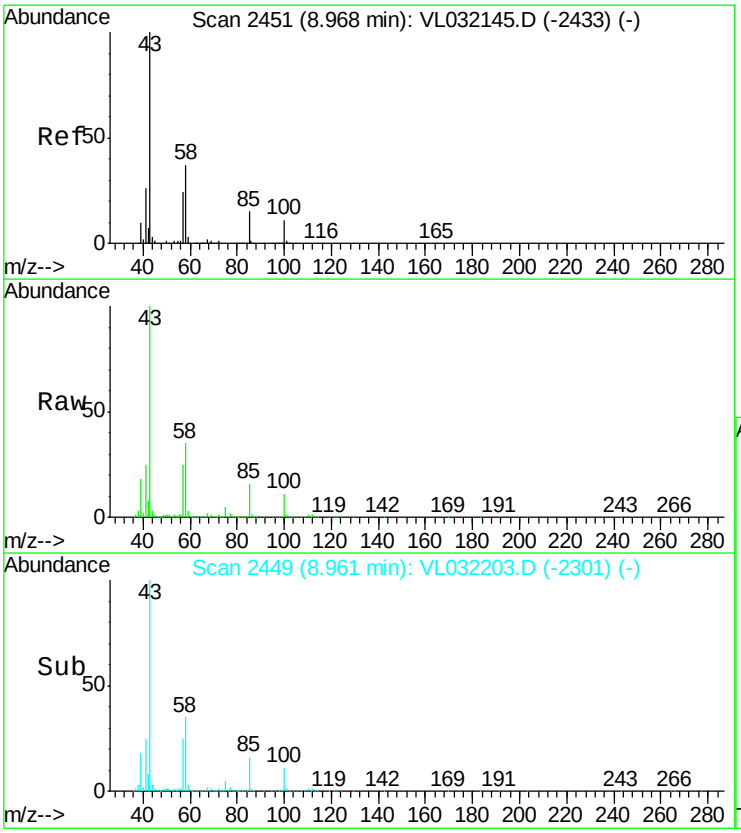
#49
Bromoform
Concen: 9.362 ppbv
RT: 13.30 min Scan# 3799
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1979203

Ion	Ratio	Lower	Upper
173	100		
175	49.7	39.4	59.0
171	52.3	41.8	62.8

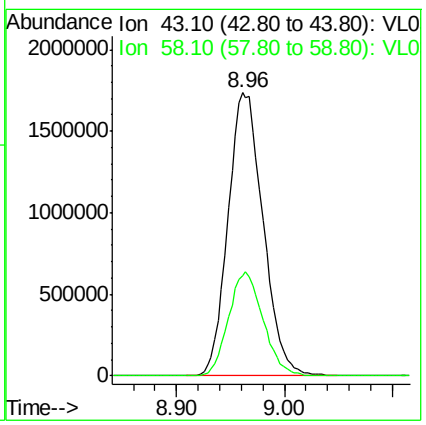


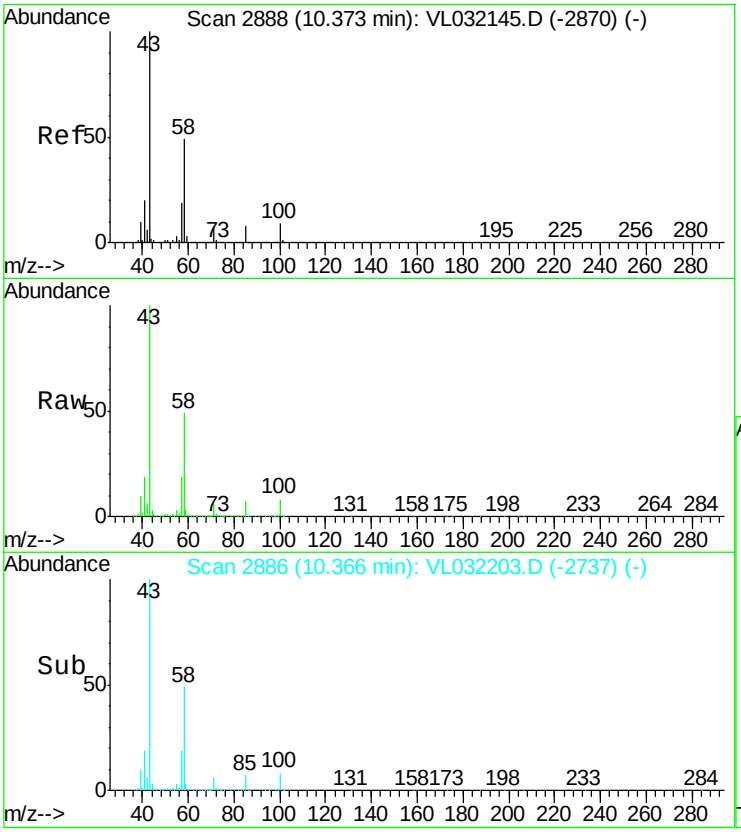


#50
4-Methyl-2-Pentanone
Concen: 9.190 ppbv
RT: 8.96 min Scan# 2449
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 43 Resp: 3927100

Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.8	44.6



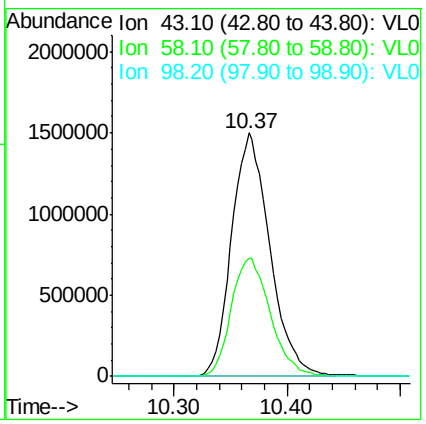


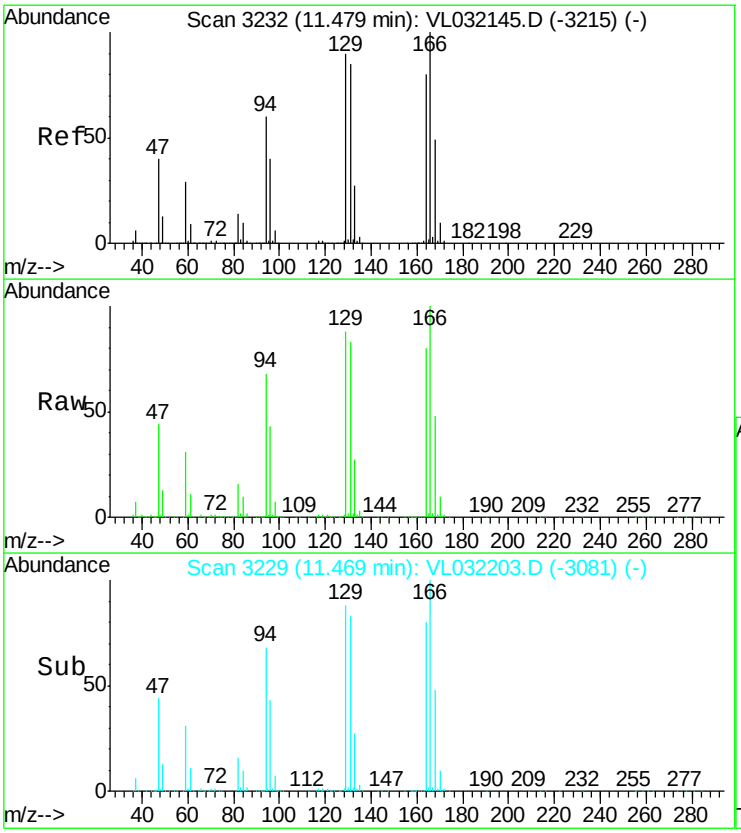
#51
2-Hexanone
Concen: 9.960 ppbv
RT: 10.37 min Scan# 2886
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 3528222

Ion	Ratio	Lower	Upper
43	100		
58	50.0	40.6	60.8
98	0.1	0.1	0.1

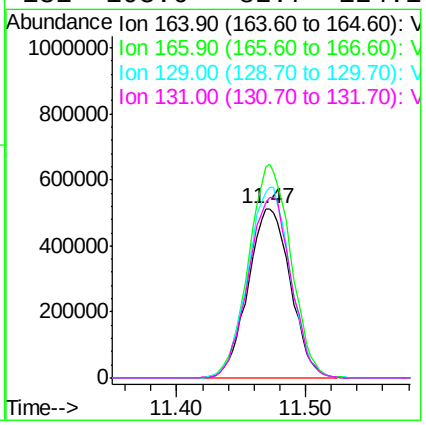


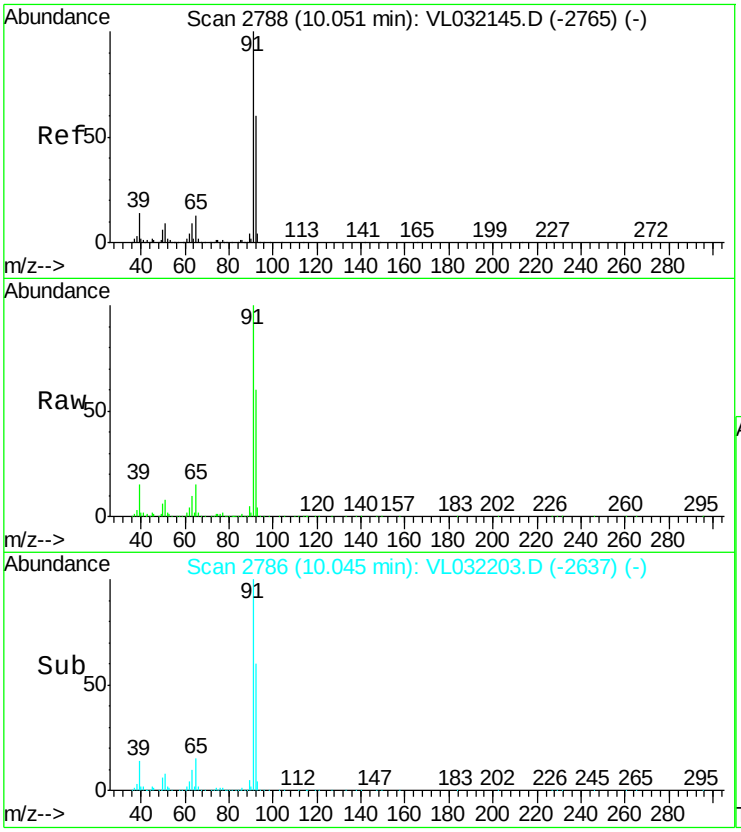


#52
Tetrachloroethene
Concen: 8.126 ppbv
RT: 11.47 min Scan# 3229
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion:164 Resp: 1175467

Ion	Ratio	Lower	Upper
164	100		
166	124.7	100.6	151.0
129	109.7	84.0	126.0
131	103.6	82.7	124.1



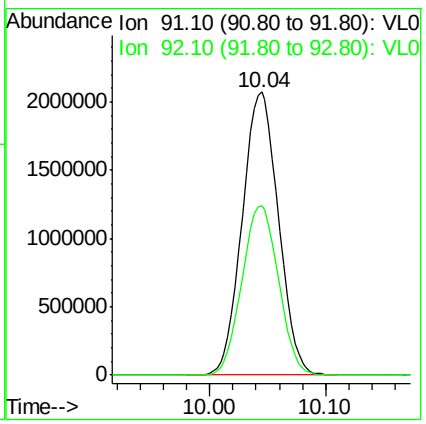


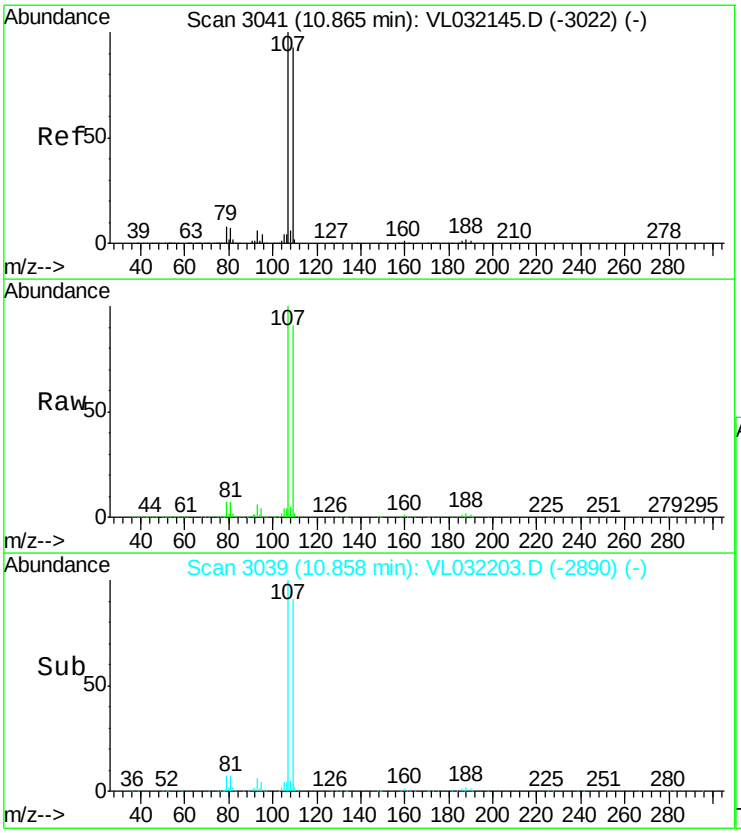
#53
Toluene
Concen: 9.378 ppbv
RT: 10.04 min Scan# 2786
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 4508685

Ion	Ratio	Lower	Upper
91	100		
92	60.8	49.2	73.8

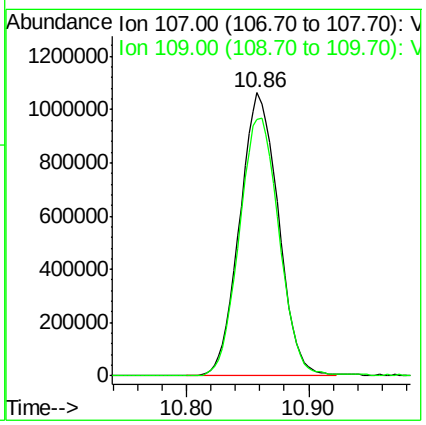


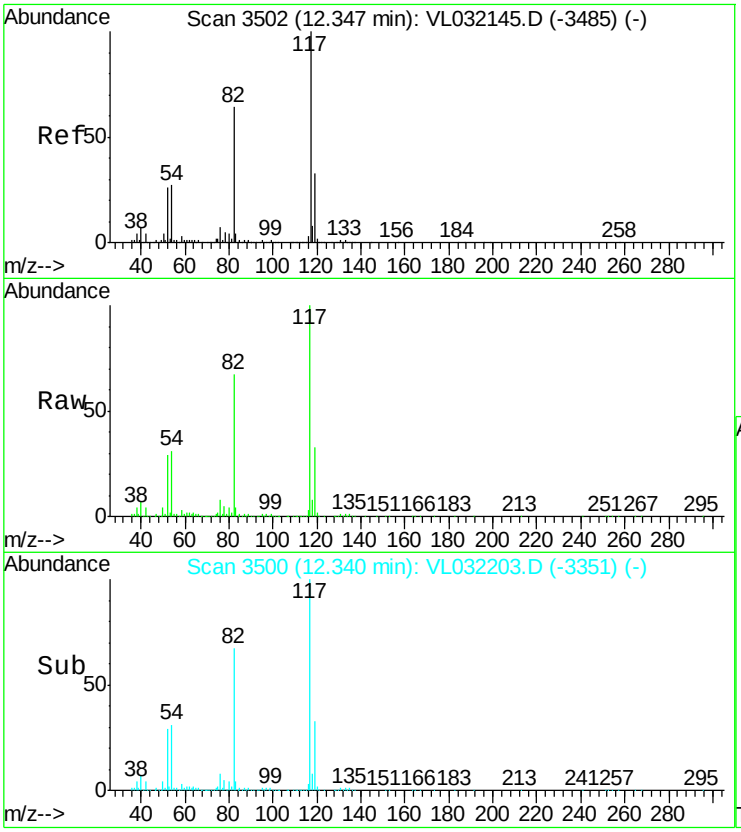


#54
1,2-Dibromoethane
Concen: 9.459 ppbv
RT: 10.86 min Scan# 3039
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion:107 Resp: 2318905

Ion	Ratio	Lower	Upper
107	100		
109	90.7	75.0	112.4



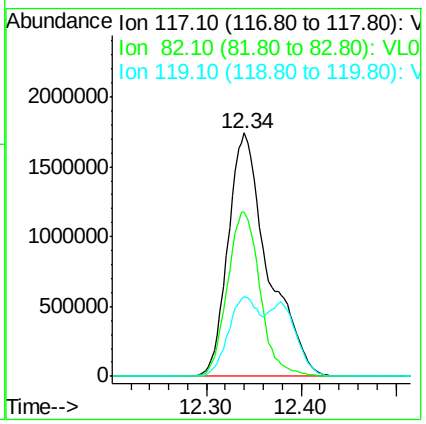


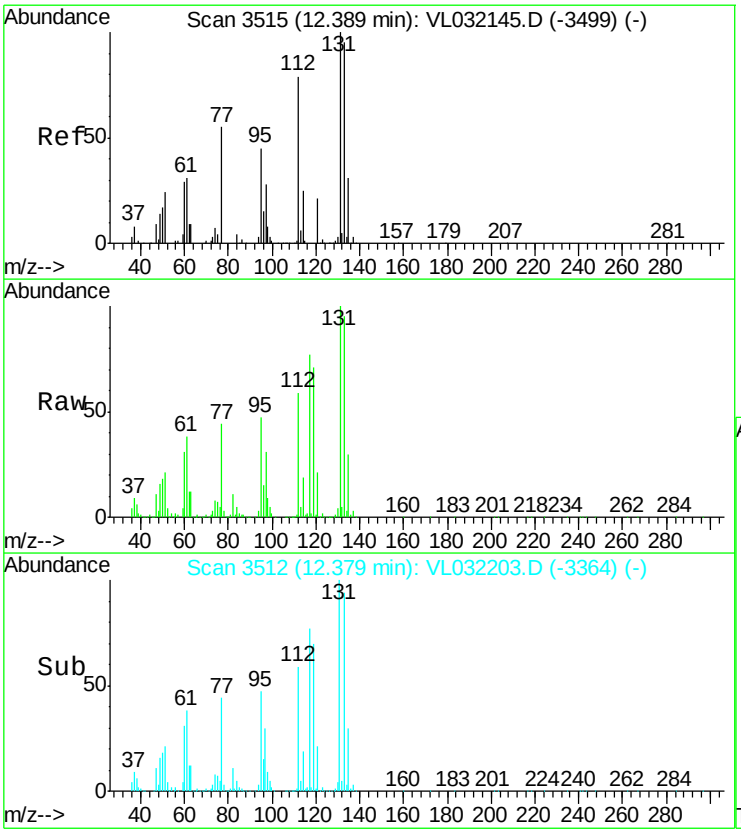
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.34 min Scan# 3500
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 5112588

Ion	Ratio	Lower	Upper
117	100		
82	55.4	47.8	71.8
119	27.0	43.3	64.9#

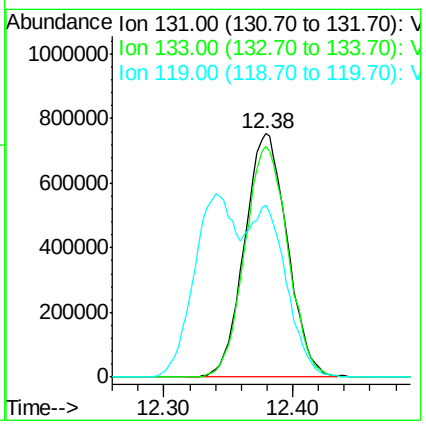


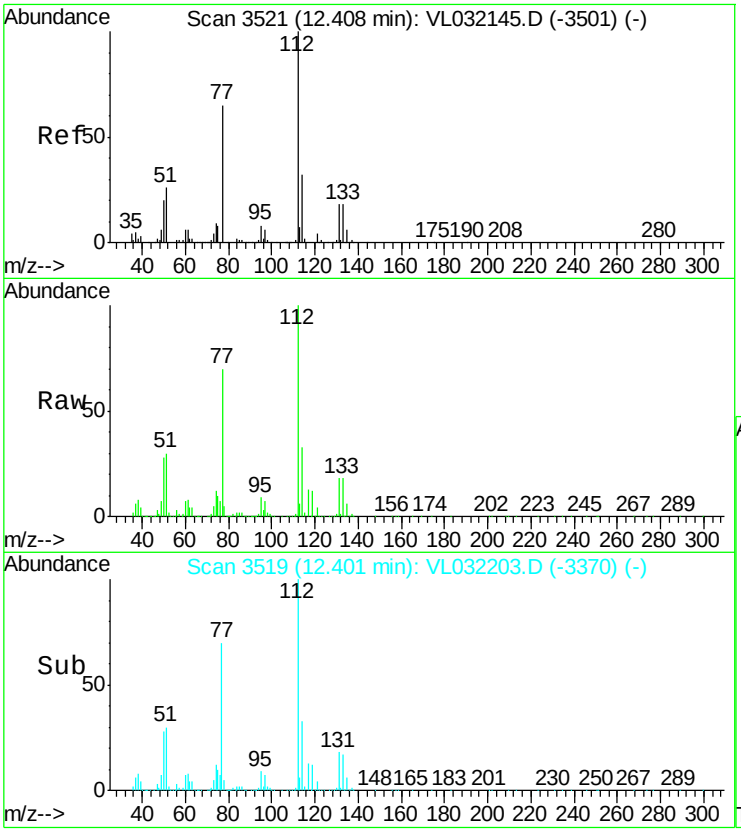


#56
1,1,1,2-Tetrachloroethane
Concen: 7.619 ppbv
RT: 12.38 min Scan# 3512
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion:131 Resp: 1739069

Ion	Ratio	Lower	Upper
131	100		
133	95.4	75.5	113.3
119	139.5	118.4	177.6



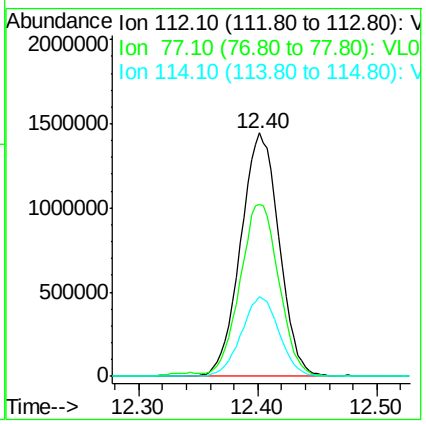


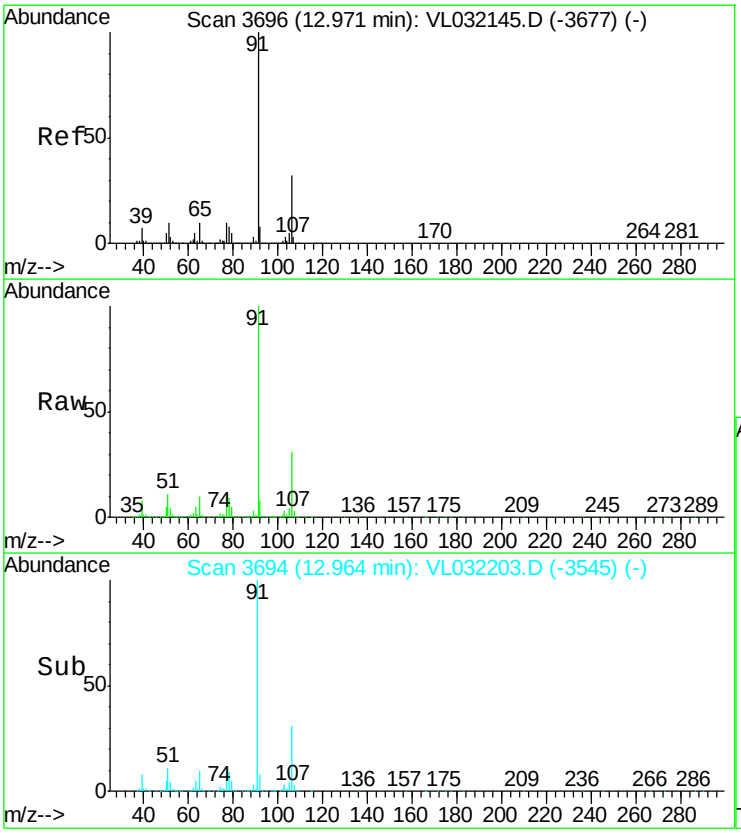
#57
Chlorobenzene
Concen: 7.290 ppbv
RT: 12.40 min Scan# 3519
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 3227585

Ion	Ratio	Lower	Upper
112	100		
77	70.2	52.6	78.8
114	32.9	27.9	34.1

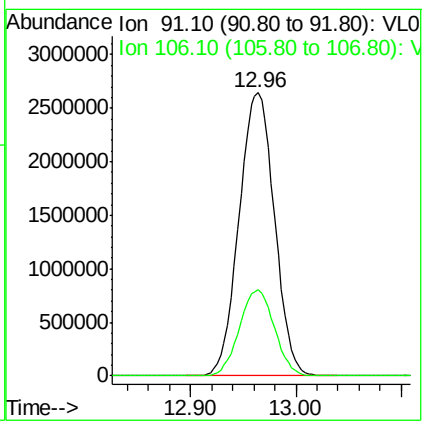


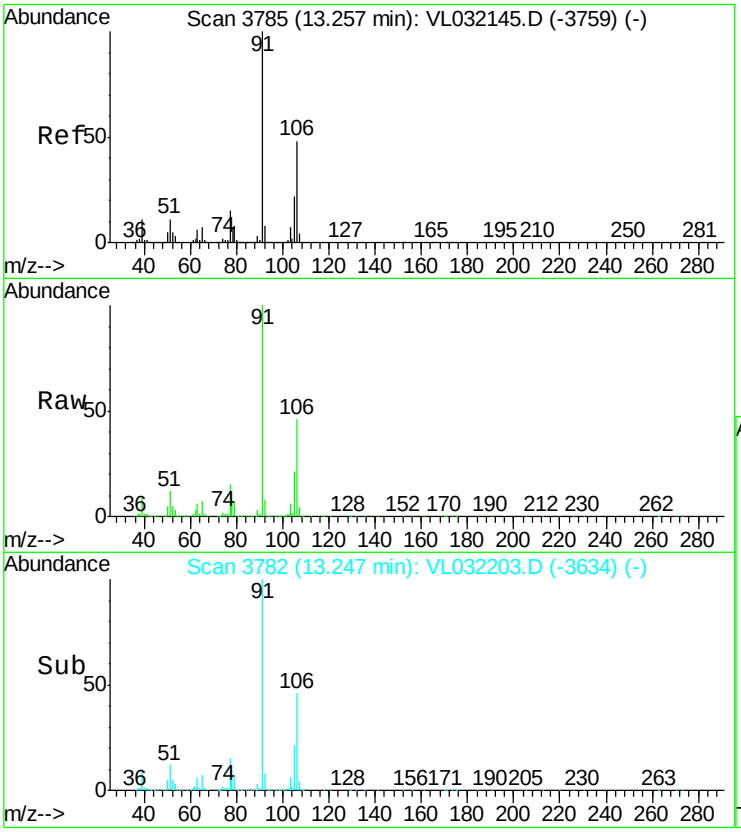


#58
Ethyl Benzene
Concen: 7.509 ppbv
RT: 12.96 min Scan# 3694
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 91 Resp: 6186645

Ion	Ratio	Lower	Upper
91	100		
106	30.6	26.5	39.7



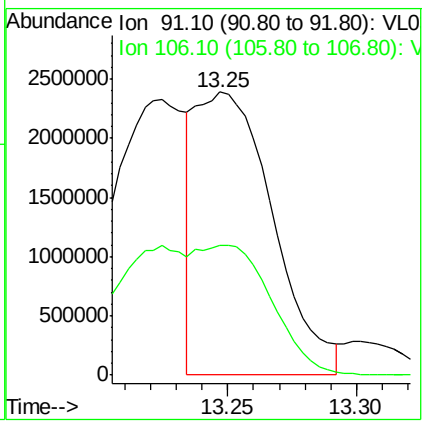


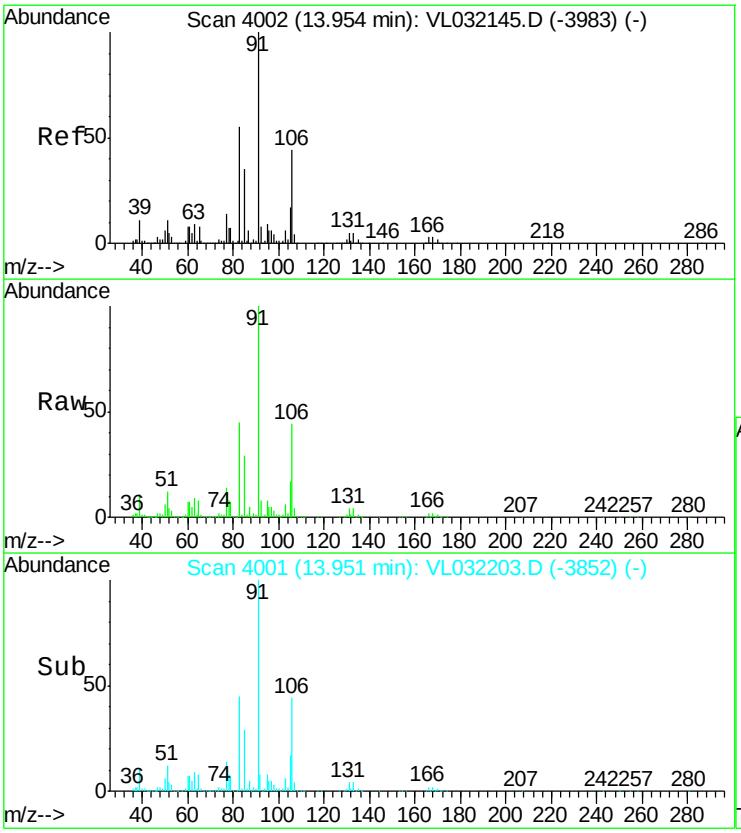
#59
m/p-Xylene
Concen: 7.511 ppbv
RT: 13.25 min Scan# 3782
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 4960692

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.6	58.0#

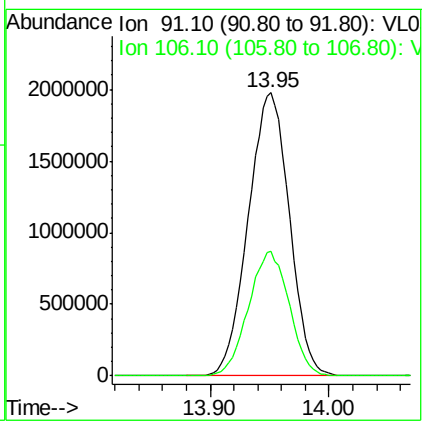


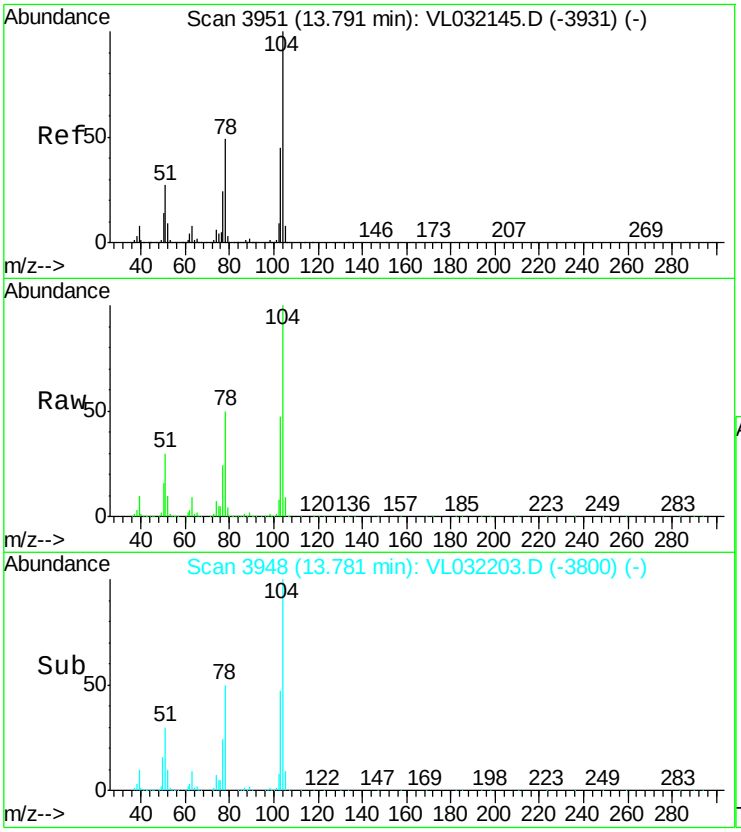


#60
o-Xylene
Concen: 7.165 ppbv
RT: 13.95 min Scan# 4001
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 91 Resp: 4719615

Ion	Ratio	Lower	Upper
91	100		
106	43.6	23.3	69.8



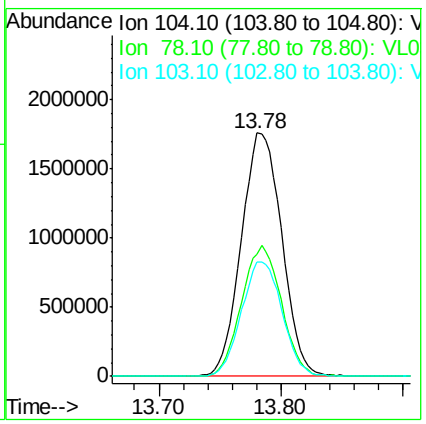


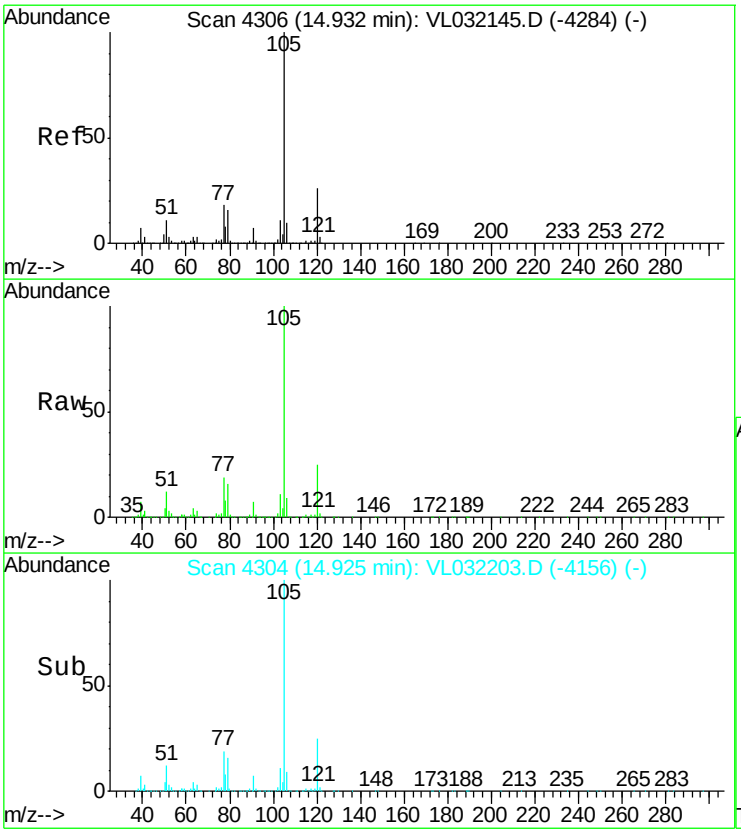
#61
Styrene
Concen: 7.488 ppbv
RT: 13.78 min Scan# 3948
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 4042411

Ion	Ratio	Lower	Upper
104	100		
78	53.0	37.9	56.9
103	47.3	36.6	55.0

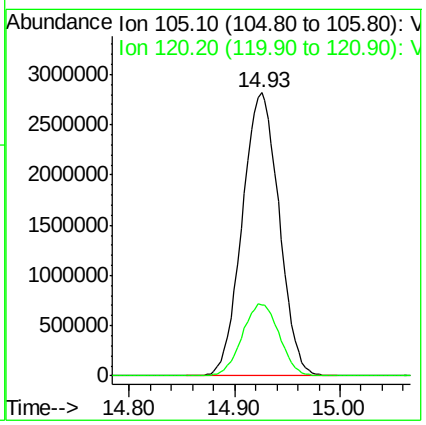


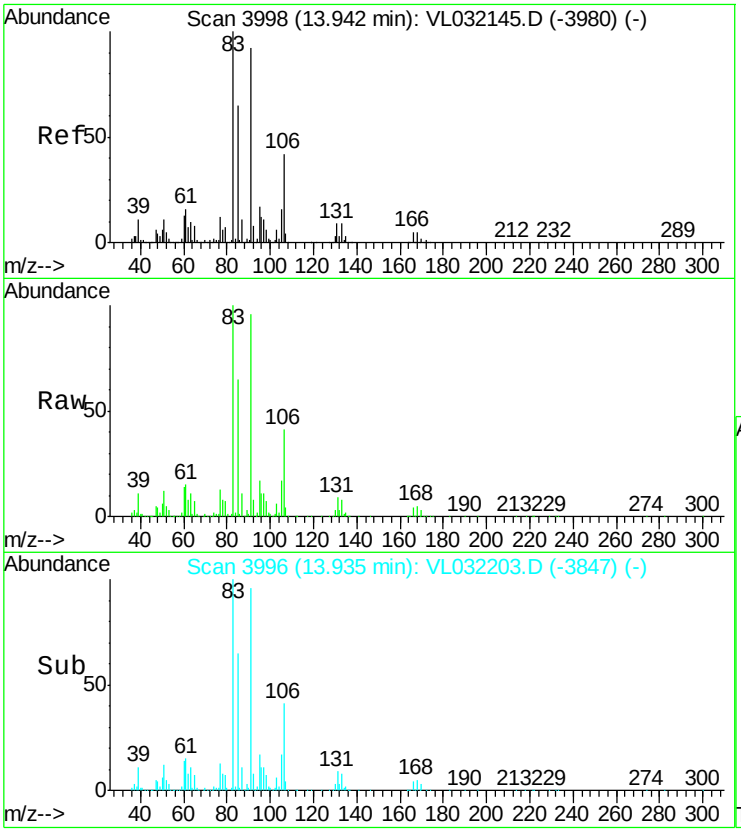


#62
Isopropylbenzene
Concen: 6.765 ppbv
RT: 14.93 min Scan# 4304
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion:105 Resp: 6852656

Ion	Ratio	Lower	Upper
105	100		
120	25.6	21.0	31.4



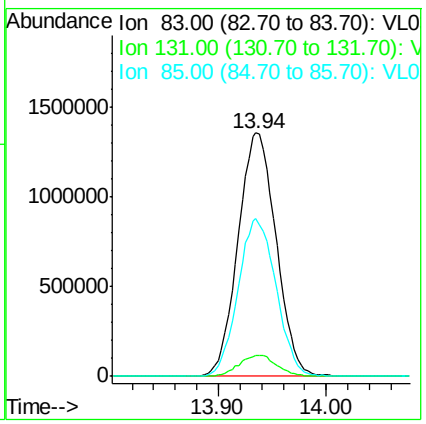


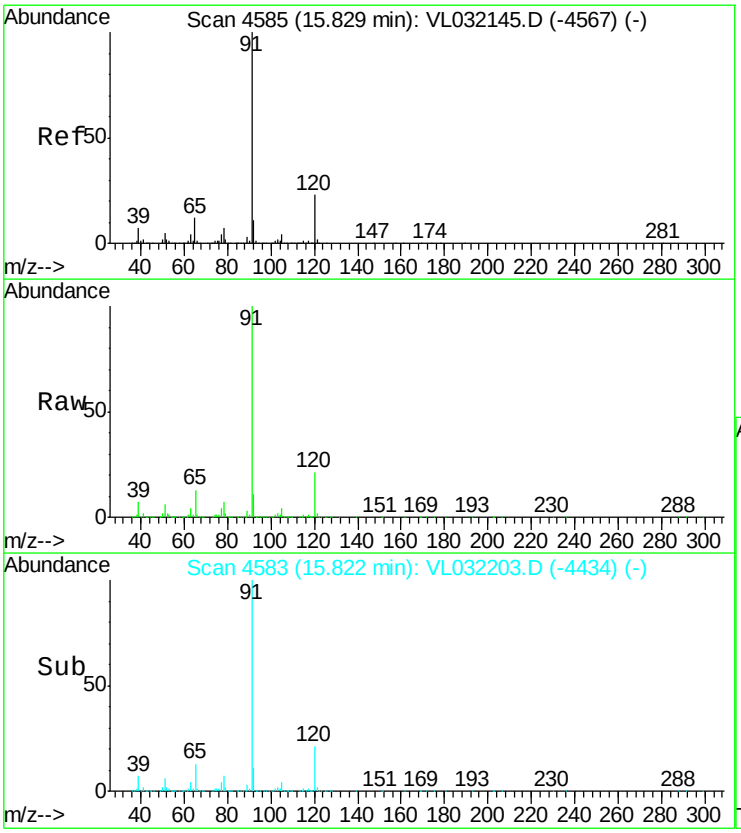
#63
1,1,2,2-Tetrachloroethane
Concen: 6.523 ppbv
RT: 13.94 min Scan# 3996
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 3327037

Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.6	13.8
85	65.0	32.4	97.2

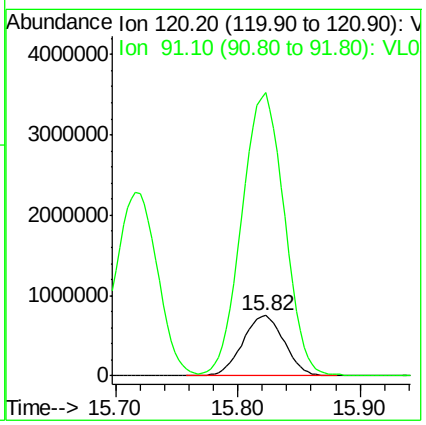


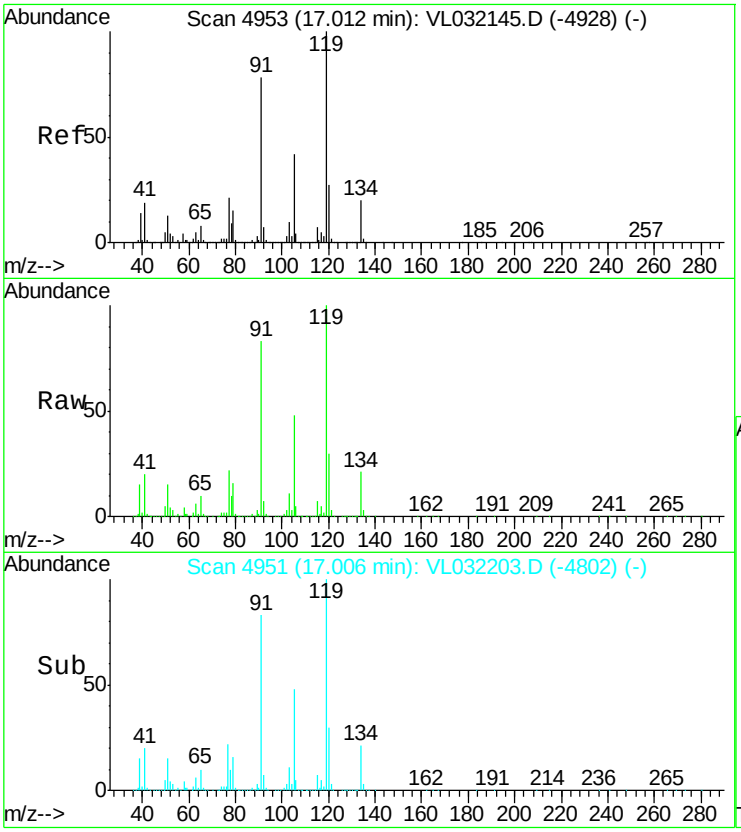


#64
n-propylbenzene
Concen: 6.758 ppbv
RT: 15.82 min Scan# 4583
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion:120 Resp: 1771607

Ion	Ratio	Lower	Upper
120	100		
91	481.7	357.4	536.0



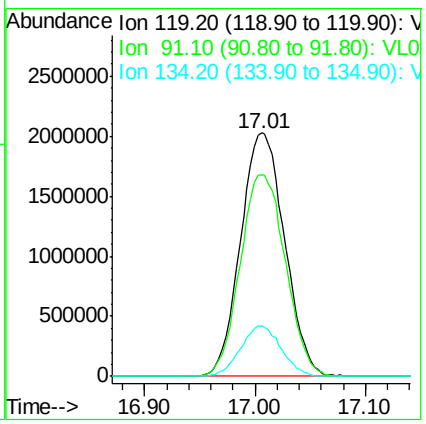


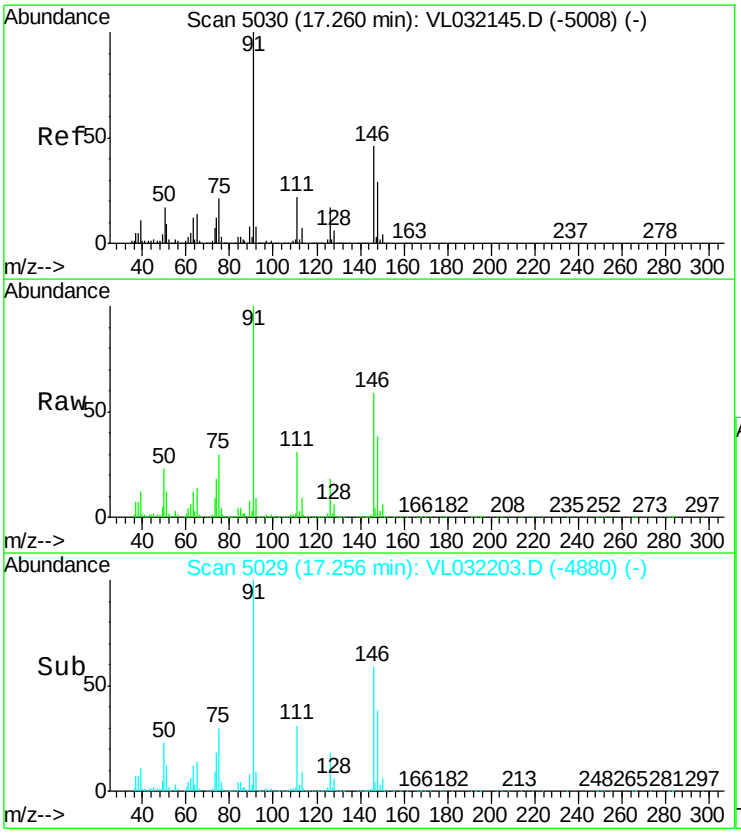
#65
tert-Butylbenzene
Concen: 6.284 ppbv
RT: 17.01 min Scan# 4951
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 5593589

Ion	Ratio	Lower	Upper
119	100		
91	85.2	62.2	93.2
134	19.1	16.2	24.2

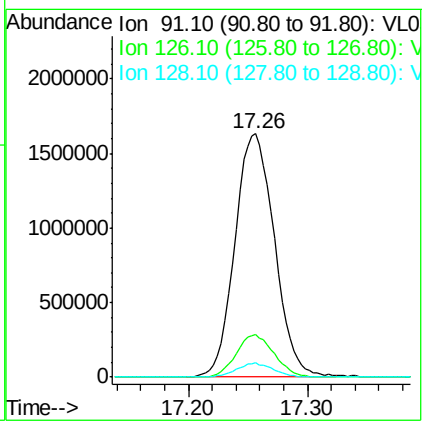


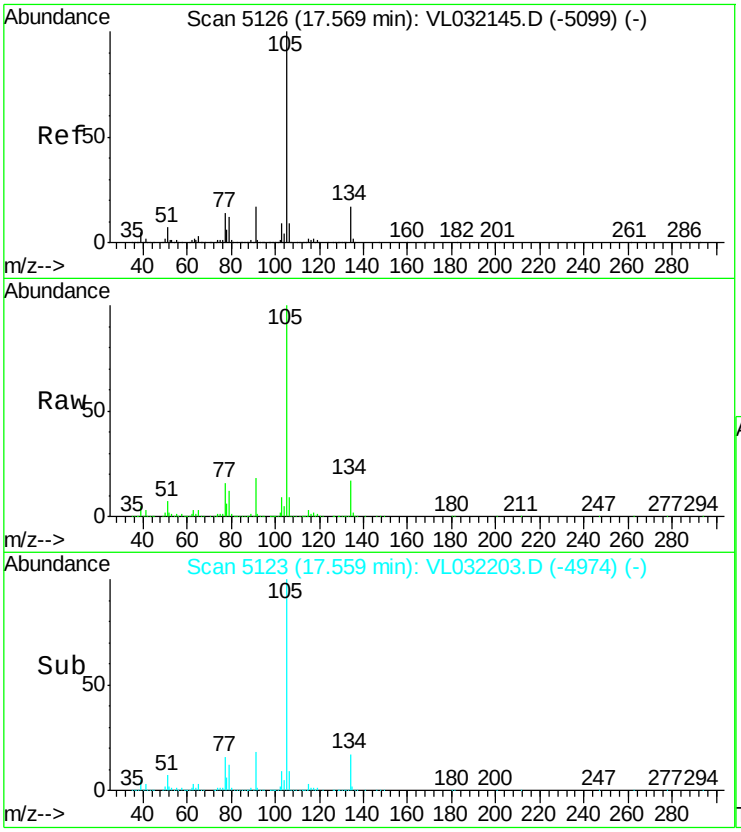


#66
Benzyl Chloride
Concen: 6.819 ppbv
RT: 17.26 min Scan# 5029
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 91 Resp: 3748154

Ion	Ratio	Lower	Upper
91	100		
126	16.9	15.7	23.5
128	5.5	5.2	7.8



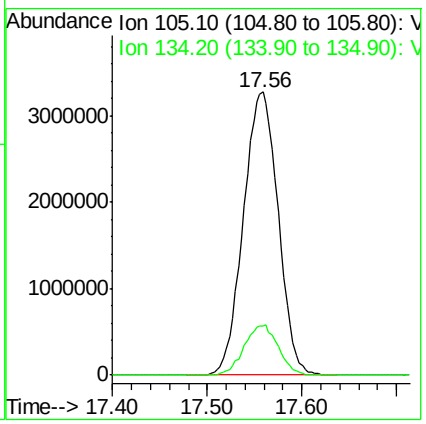


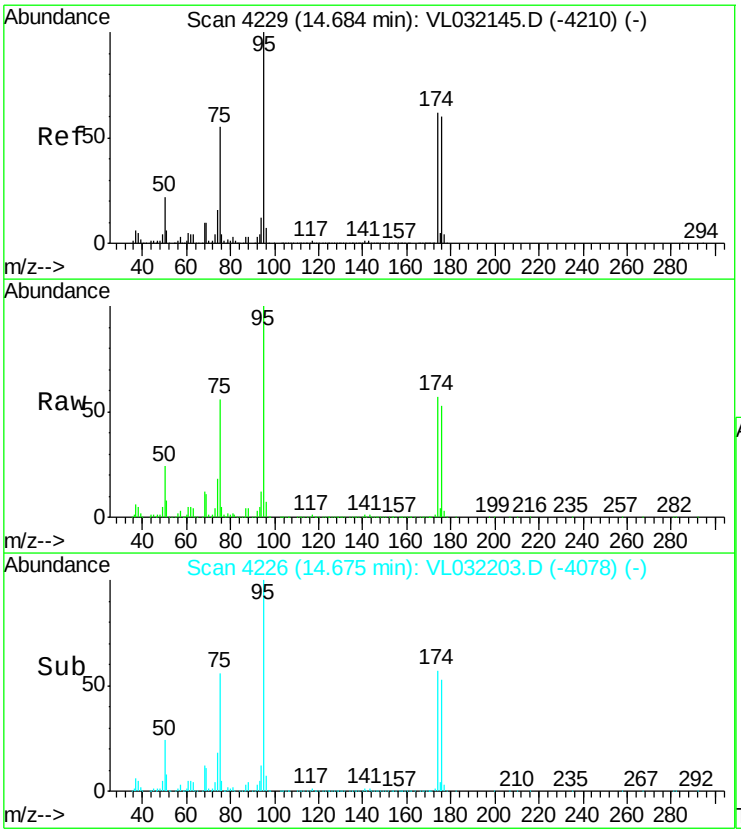
#67
sec-Butylbenzene
Concen: 6.388 ppbv
RT: 17.56 min Scan# 5123
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 8324467

Ion	Ratio	Lower	Upper
105	100		
134	17.5	14.7	22.1

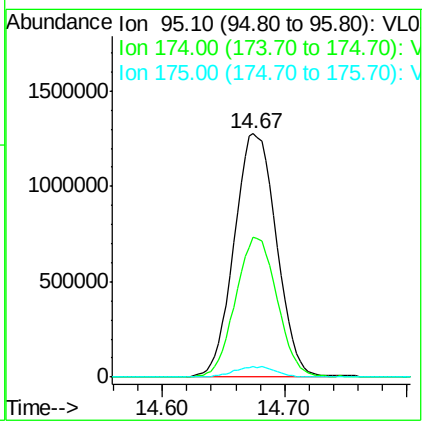


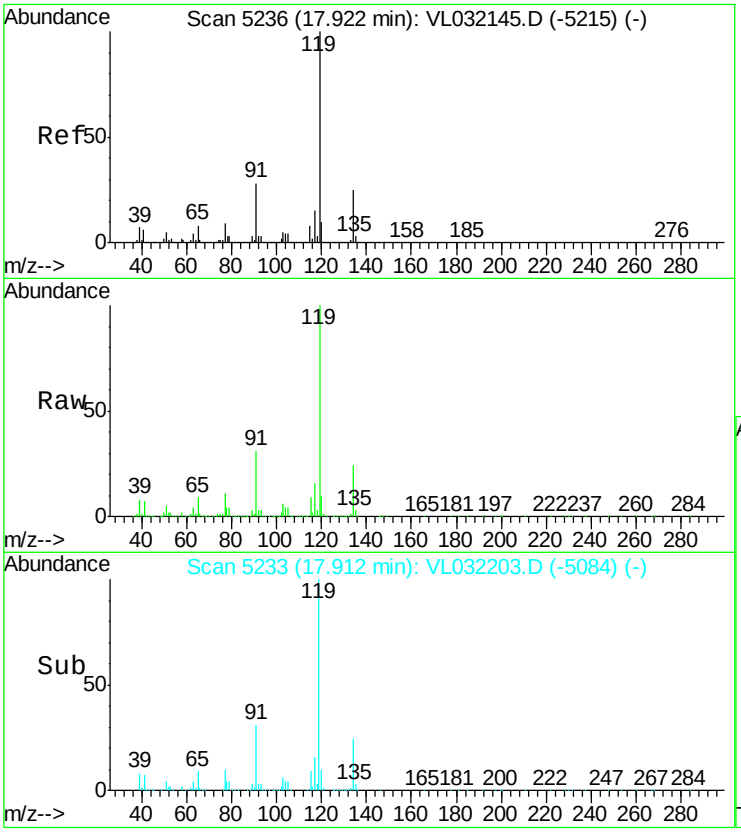


#68
1-Bromo-4-Fluorobenzene
Concen: 7.828 ppbv
RT: 14.67 min Scan# 4226
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 95 Resp: 3059364

Ion	Ratio	Lower	Upper
95	100		
174	56.8	52.1	78.1
175	4.2	4.0	6.0



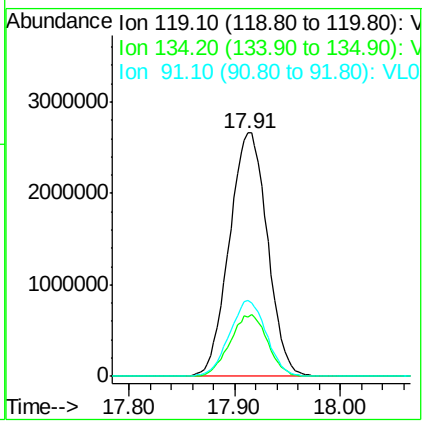


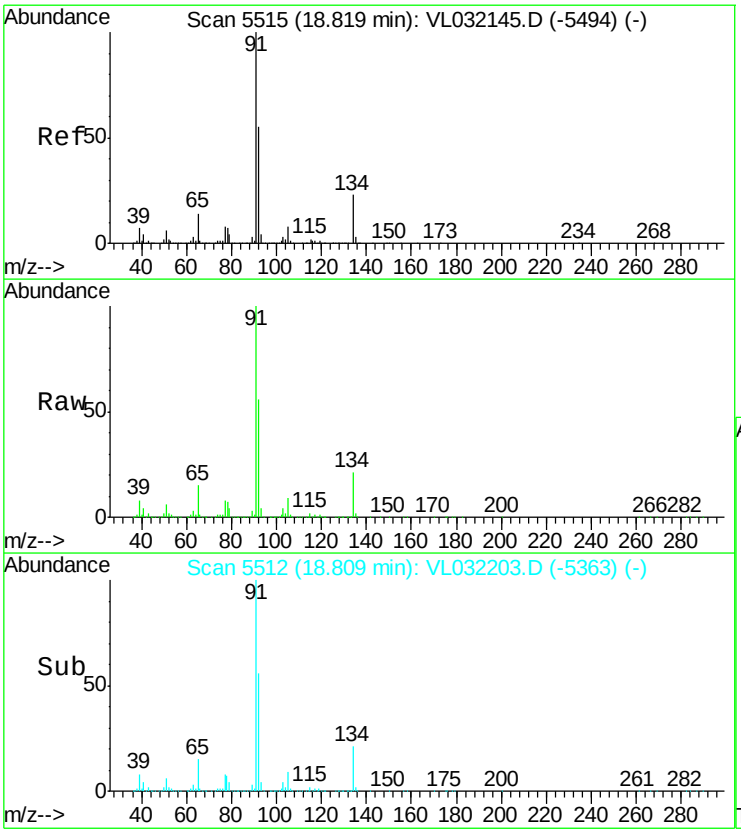
#69
p-Isopropyltoluene
Concen: 6.365 ppbv
RT: 17.91 min Scan# 5233
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 6653894

Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.7	31.1
91	30.3	21.8	32.8

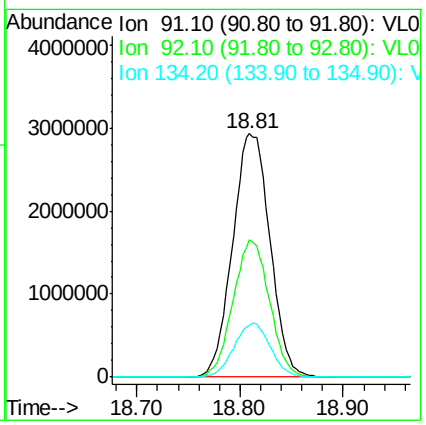


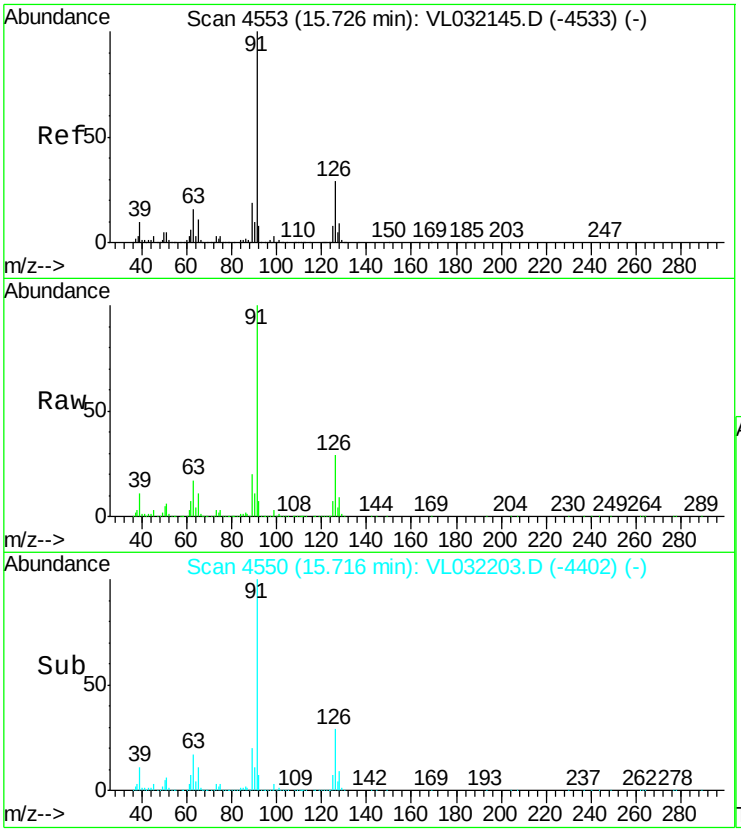


#70
n-Butylbenzene
Concen: 6.760 ppbv
RT: 18.81 min Scan# 5512
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion: 91 Resp: 7378591

Ion	Ratio	Lower	Upper
91	100		
92	54.9	43.7	65.5
134	21.5	18.9	28.3



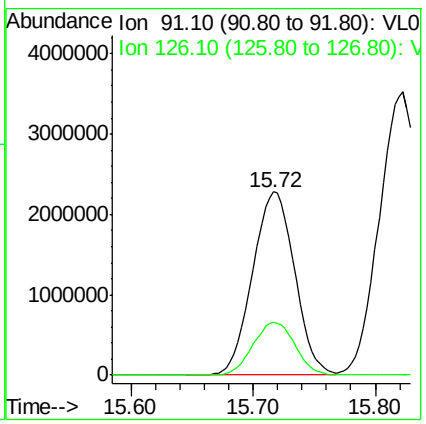


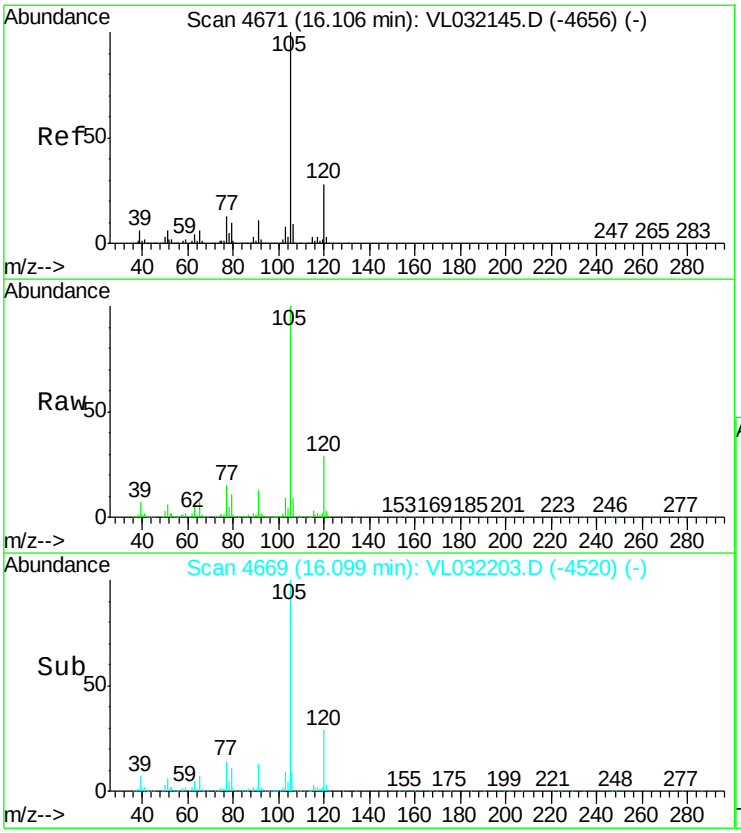
#71
2-Chlorotoluene
Concen: 7.013 ppbv
RT: 15.72 min Scan# 4550
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 5469661

Ion	Ratio	Lower	Upper
91	100		
126	29.0	12.8	51.0

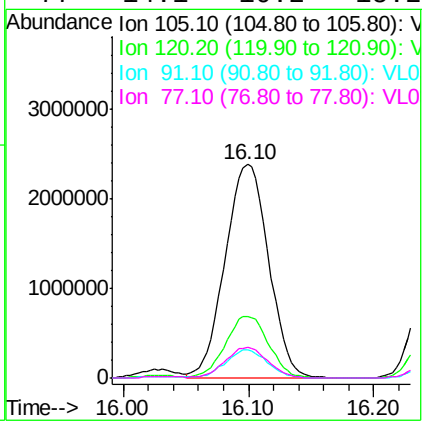


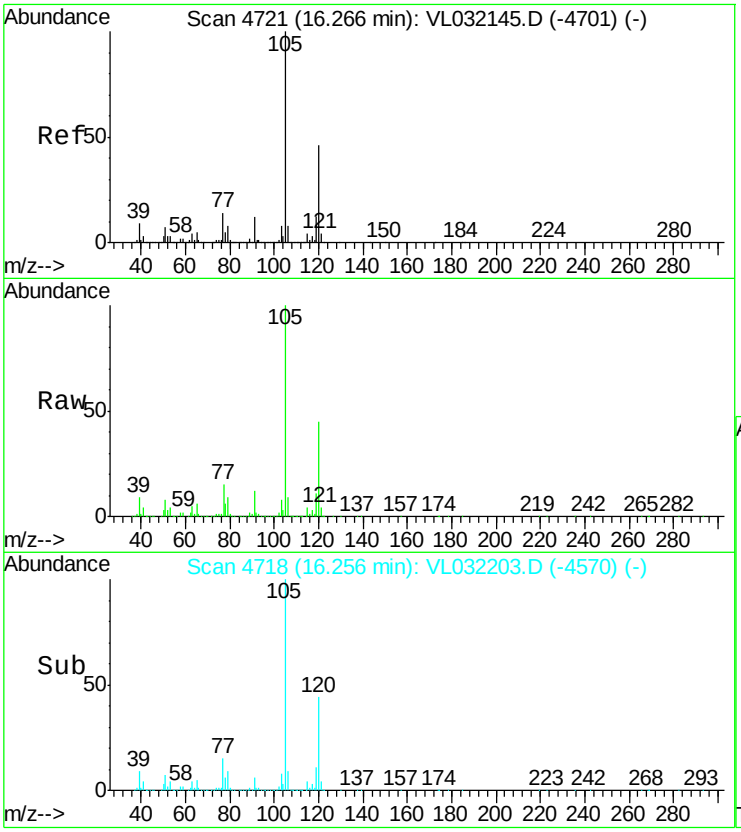


#72
4-Ethyltoluene
Concen: 6.734 ppbv
RT: 16.10 min Scan# 4669
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion:105 Resp: 5729241

Ion	Ratio	Lower	Upper
105	100		
120	28.9	24.3	36.5
91	12.8	9.4	14.0
77	14.1	10.2	15.2



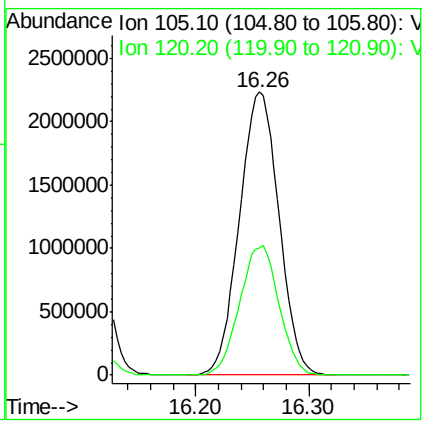


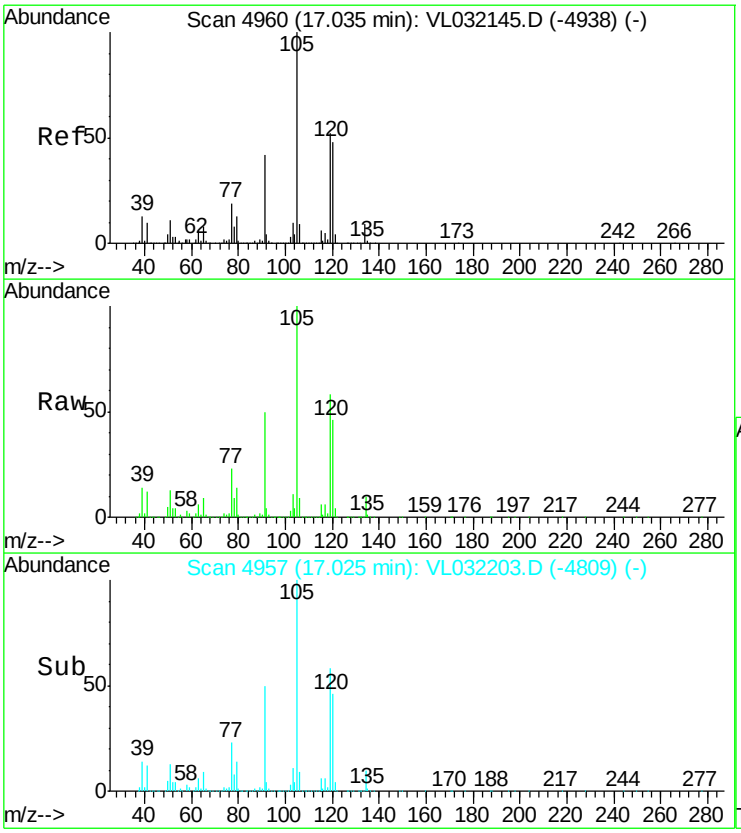
#73
1,3,5-Trimethylbenzene
Concen: 6.758 ppbv
RT: 16.26 min Scan# 4718
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 5415723

Ion	Ratio	Lower	Upper
105	100		
120	44.7	38.6	57.8

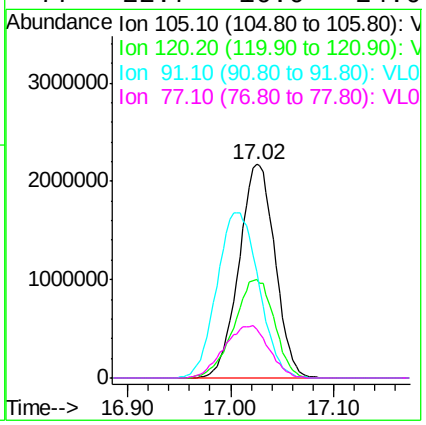


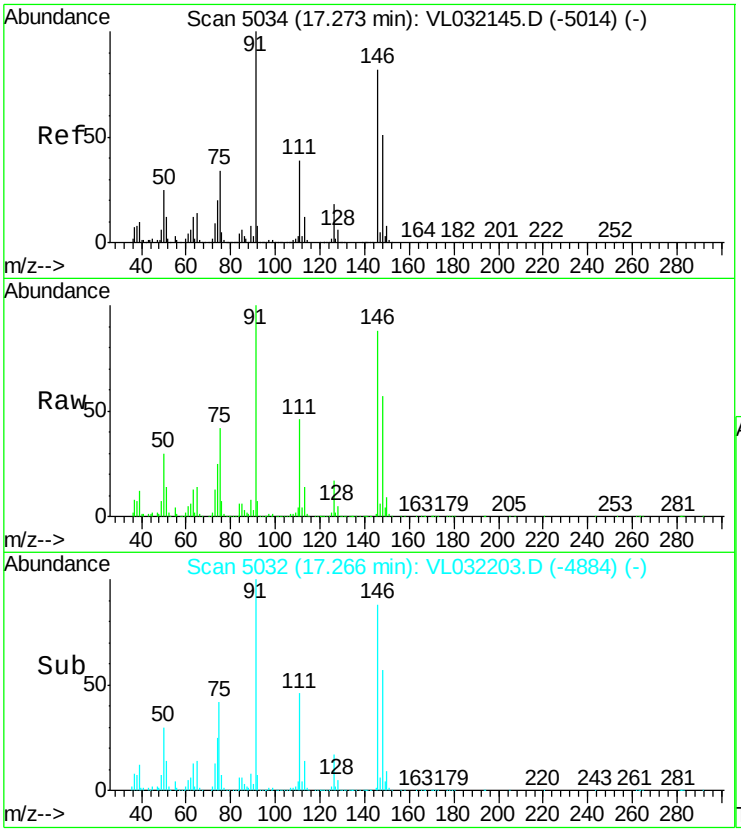


#74
1,2,4-Trimethylbenzene
Concen: 6.499 ppbv
RT: 17.02 min Scan# 4957
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion:105 Resp: 5256220

Ion	Ratio	Lower	Upper
105	100		
120	46.1	38.8	58.2
91	49.7	33.6	50.4
77	22.7	16.0	24.0



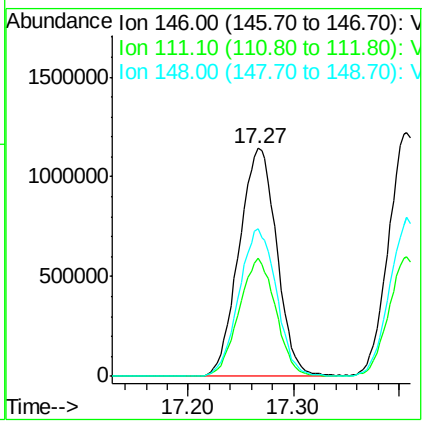


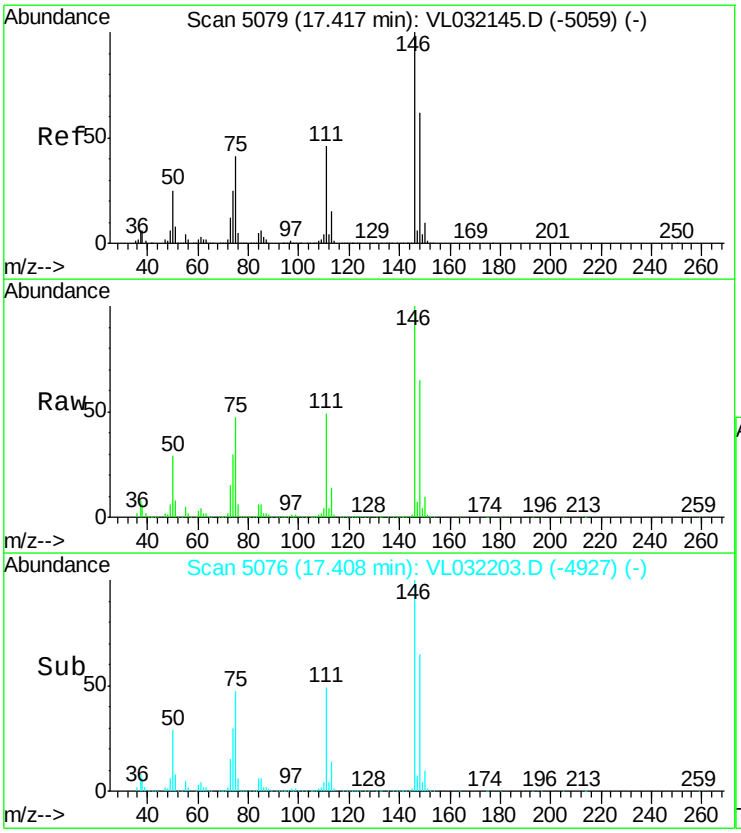
#75
1,3-Dichlorobenzene
Concen: 6.188 ppbv
RT: 17.27 min Scan# 5032
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 2846822

Ion	Ratio	Lower	Upper
146	100		
111	50.4	22.9	68.8
148	64.2	31.7	95.1

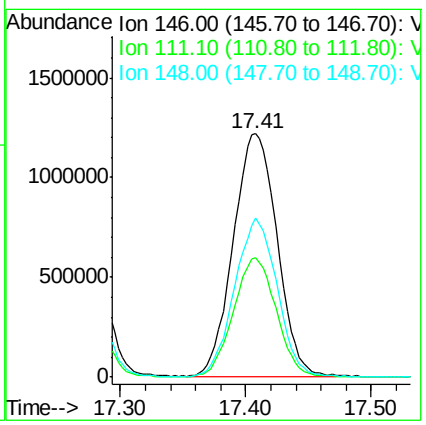


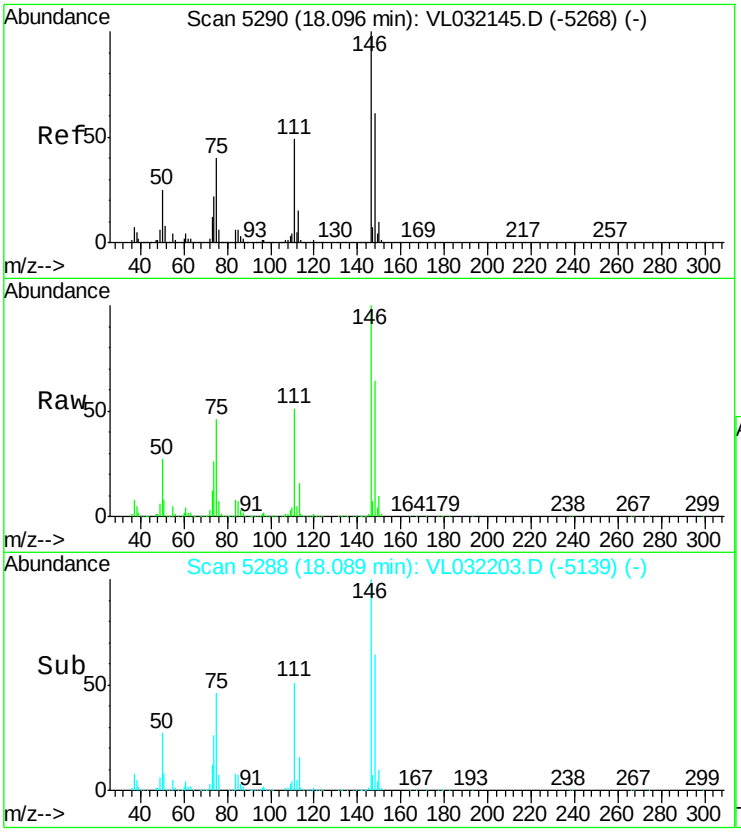


#76
1,4-Dichlorobenzene
Concen: 6.316 ppbv
RT: 17.41 min Scan# 5076
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion:146 Resp: 2946422

Ion	Ratio	Lower	Upper
146	100		
111	48.3	21.9	65.8
148	64.2	32.1	96.5



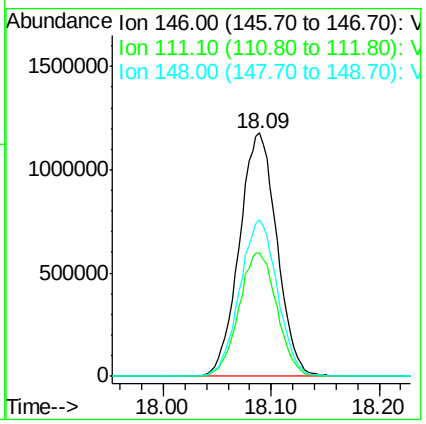


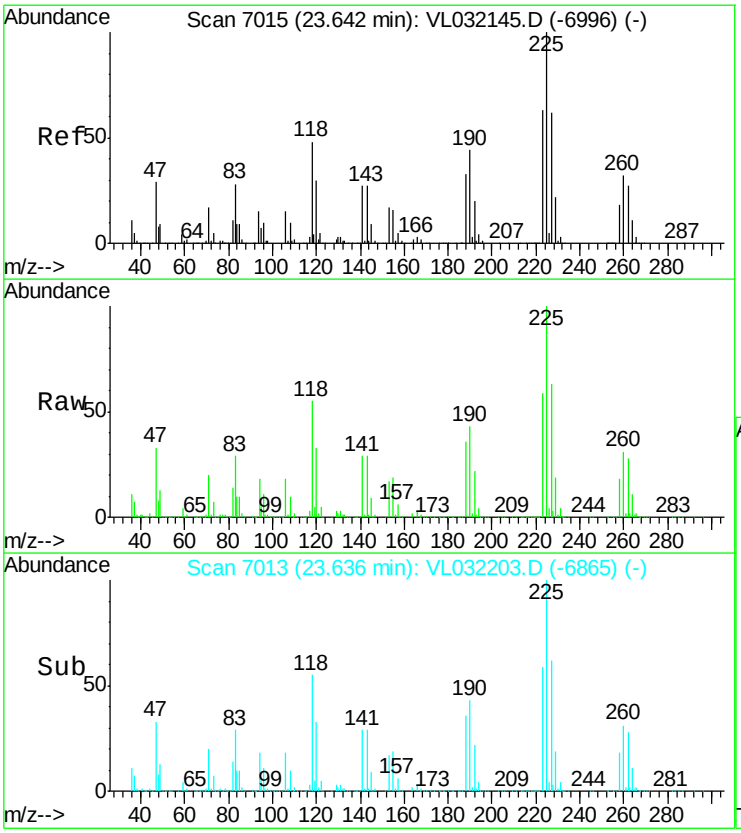
#77
1,2-Dichlorobenzene
Concen: 6.208 ppbv
RT: 18.09 min Scan# 5288
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 2854372

Ion	Ratio	Lower	Upper
146	100		
111	51.4	23.4	70.3
148	64.5	32.0	96.0

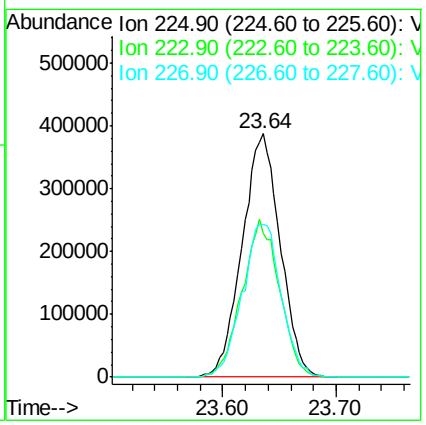


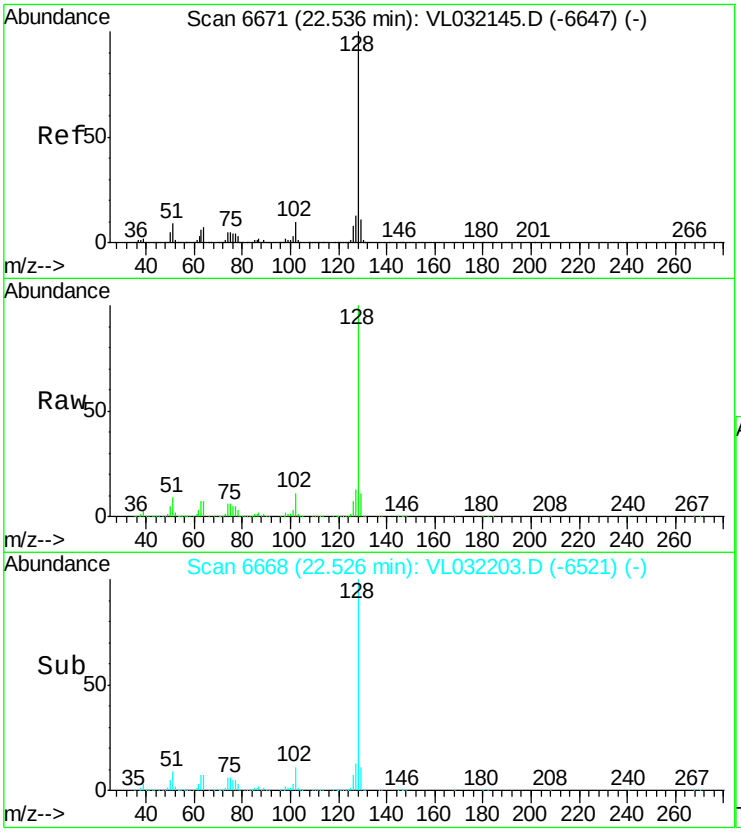


#78
Hexachloro-1,3-Butadiene
Concen: 5.654 ppbv
RT: 23.64 min Scan# 7013
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion:225 Resp: 905184

Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.0	76.4
227	64.4	51.4	77.0



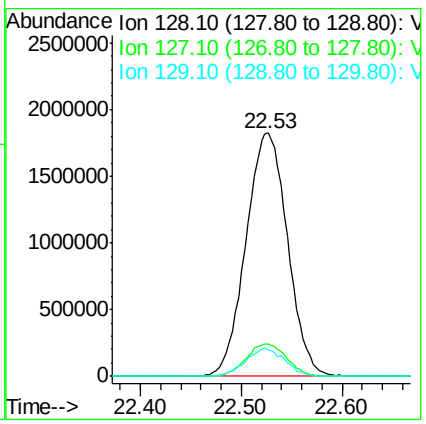


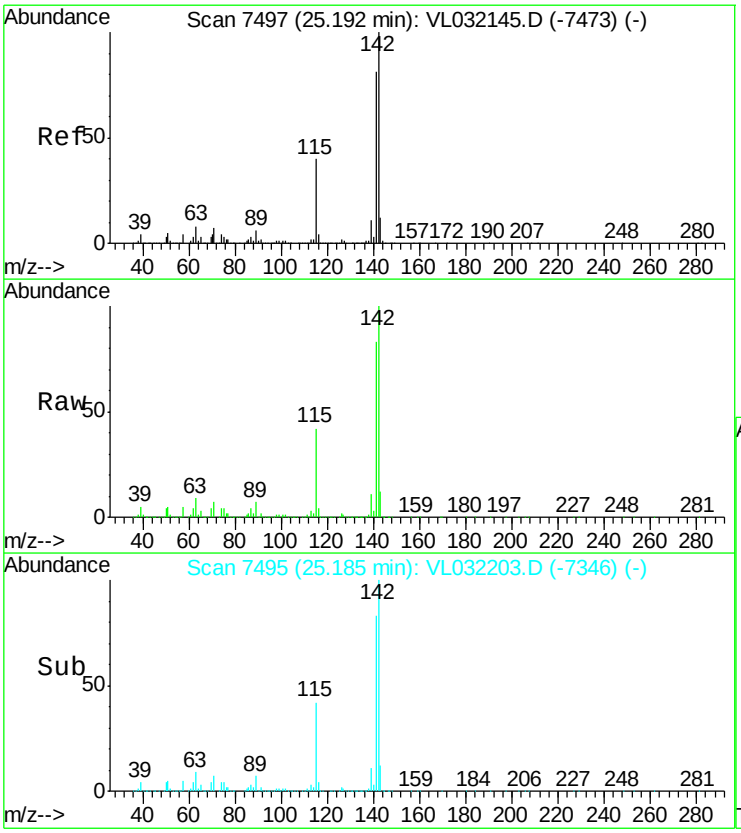
#79
Naphthalene
Concen: 7.089 ppbv
RT: 22.53 min Scan# 6668
Delta R.T. -0.03 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 5211762

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.8	9.0	13.6

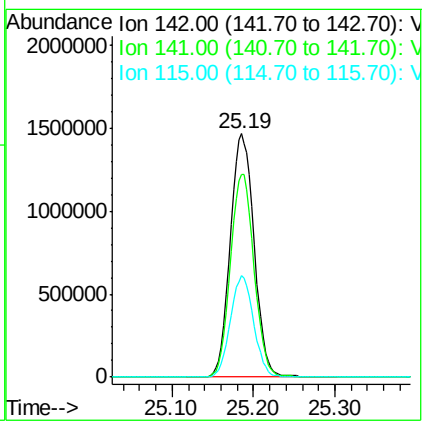


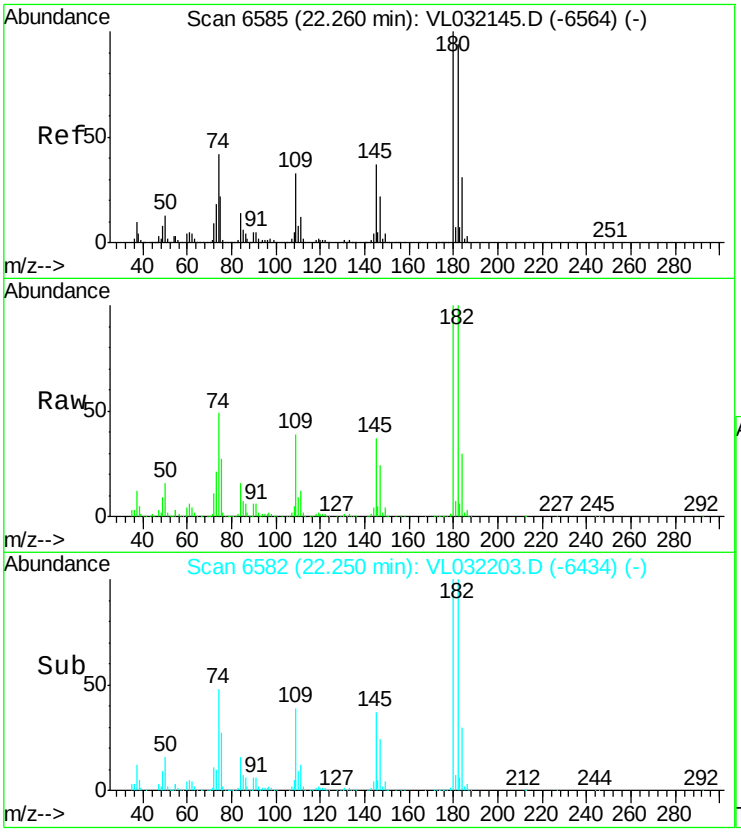


#80
Naphthalene,2-methyl-
Concen: 11.333 ppbv
RT: 25.19 min Scan# 7495
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Tgt Ion:142 Resp: 3007264

Ion	Ratio	Lower	Upper
142	100		
141	82.5	65.8	98.6
115	40.8	29.4	44.0





#81
1,2,4-Trichlorobenzene
Concen: 7.254 ppbv
RT: 22.25 min Scan# 6582
Delta R.T. -0.02 min
Lab File: VL032203.D
Acq: 5 Jul 2018 12:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 2408189

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.4
184	30.5	24.4	36.6