Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101818\

Quantitation Report (Not Reviewed)

Data File : VL032659.D
Acq On : 18 Oct 2018 19:58
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Oct 18 20:26:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 18 11:41:40 2018
QLast Update : Thu Oct 18 11:41:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1605920	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.32	114	4253675	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	4325221	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.60	95	3212894	9.87	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.09	85	1907821	12.045	ppbv	100
3) Chlorodifluoromethane	3.02	51	1780710	13.252	ppbv	99
4) Chloromethane	3.18	50	1044920	14.246	ppbv	100
5) Vinyl Chloride	3.30	62	1050605	14.216	ppbv	99
6) Bromomethane	3.53	94	664945	14.245	ppbv	96
7) Chloroethane	3.62	64	396895	13.720	ppbv	99
8) Dichlorotetrafluoroethane	3.23	85	2384028	13.169	ppbv	91
9) Propene	3.05	41	817140	16.588	ppbv	100
10) Heptane	8.26	43	3191893	17.303	ppbv	99
11) Trichlorofluoromethane	4.02	101	2561720	12.418	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.57	101	2418798	16.014	ppbv	92
13) Ethanol	3.66	45	199771	13.106	ppbv	97
14) Bromoethene	3.80	108	823402	14.900	ppbv	99
15) Acetone	3.91	43	1708235	11.953	ppbv	100
16) 1,3-Butadiene	3.37	39	852960	16.119	ppbv	82
17) tert-Butyl alcohol	4.37	59	542425	41.588	ppbv #	100
18) 1,1-Dichloroethene	4.36	96	976578	14.337	ppbv	96
19) Isopropyl Alcohol	4.04	45	1213980	12.028	ppbv #	98
20) Methylene Chloride	4.42	84	989507	15.456	ppbv	95
21) Allyl Chloride	4.49	41	1871335	17.448	ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	1156235	14.693	ppbv	92
23) Vinyl Acetate	5.17	43	4122171	18.131	ppbv	99
24) 1,1-Dichloroethane	5.11	63	2927918	13.891	ppbv	98
25) Ethyl Acetate	5.79	43	4691698	13.874	ppbv	100
26) Hexane	5.80	57	2223075	14.595	ppbv	99
27) Carbon Disulfide	4.63	76	2873612	15.612	ppbv	99
28) Methyl tert-Butyl Ether	5.13	73	3564686	18.623	ppbv	99
29) Chloroform	5.87	83	3505003	13.129	ppbv	100
30) Cyclohexane	7.27	84	2118315	17.635	ppbv	97
31) cis-1,2-Dichloroethene	5.66	61	2329440	15.920	ppbv	98
32) 1,1,1-Trichloroethane	6.64	97	3659578	13.741	ppbv	99
34) 2-Butanone	5.35	43	3175985	13.452	ppbv	100
35) Carbon Tetrachloride	7.16	117	3979526	12.072	ppbv	99
36) Benzene	7.03	78	4974802	14.429	ppbv	100
37) 1,2-Dichloroethane	6.43	62	2846841	12.039	ppbv	97
38) Trichloroethene	7.98	130	1913543	14.761	ppbv	98
39) 1,2-Dichloropropane	7.76	63	1919847	13.688	ppbv	99
40) 1,4-Dioxane	7.98	88	652473	13.465	ppbv #	99
41) Tetrahydrofuran	6.16	42	2016937	16.102	ppbv	99
42) Bromodichloromethane	7.94	83	4063822	12.607	ppbv	98
43) Methyl Methacrylate	8.16	69	2003683	14.988	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101818\

Quantitation Report (Not Reviewed)

Data File : VL032659.D
Acq On : 18 Oct 2018 19:58
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Oct 18 20:26:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 18 11:41:40 2018
QLast Update : Thu Oct 18 11:41:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	8208411	13.429	ppbv		99
45) t-1,3-Dichloropropene	9.43	75	2980826	17.053	ppbv		99
46) cis-1,3-Dichloropropene	8.86	75	3131311	15.735	ppbv		99
47) 1,1,2-Trichloroethane	9.64	97	2247290	13.408	ppbv		100
48) Dibromochloromethane	10.48	129	3875905	13.615	ppbv		100
49) Bromoform	13.23	173	2996071	13.928	ppbv		99
50) 4-Methyl-2-Pentanone	8.89	43	4888081	14.067	ppbv		100
51) 2-Hexanone	10.29	43	4139026	15.148	ppbv	#	99
52) Tetrachloroethene	11.39	164	1840837	16.218	ppbv		96
53) Toluene	9.97	91	6263394	15.934	ppbv		100
54) 1,2-Dibromoethane	10.79	107	3176755	13.236	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.30	131	2488020	12.527	ppbv	#	71
57) Chlorobenzene	12.33	112	4250313	12.921	ppbv		95
58) Ethyl Benzene	12.89	91	7633792	15.716	ppbv		97
59) m/p-Xylene	13.17	91	5266897	12.147	ppbv	#	1
60) o-Xylene	13.88	91	6030256	13.957	ppbv		99
61) Styrene	13.71	104	4759401	18.176	ppbv		97
62) Isopropylbenzene	14.85	105	8483779	13.783	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.86	83	4212783	11.048	ppbv		99
64) n-propylbenzene	15.75	120	2229257	14.292	ppbv		89
65) tert-Butylbenzene	16.93	119	7221049	13.826	ppbv		95
66) Benzyl Chloride	17.18	91	4423604	15.022	ppbv		98
67) sec-Butylbenzene	17.48	105	10277831	13.075	ppbv		98
69) p-Isopropyltoluene	17.84	119	8428309	14.166	ppbv		98
70) n-Butylbenzene	18.74	91	8612259	13.139	ppbv		98
71) 2-Chlorotoluene	15.64	91	6390241	14.044	ppbv		97
72) 4-Ethyltoluene	16.03	105	6951575	14.883	ppbv		99
73) 1,3,5-Trimethylbenzene	16.18	105	6578265	14.160	ppbv		96
74) 1,2,4-Trimethylbenzene	16.95	105	6498031	12.705	ppbv		97
75) 1,3-Dichlorobenzene	17.19	146	3675403	12.364	ppbv		98
76) 1,4-Dichlorobenzene	17.33	146	3701896	13.667	ppbv		99
77) 1,2-Dichlorobenzene	18.01	146	3591014	12.567	ppbv		98
78) Hexachloro-1,3-Butadiene	23.57	225	1455483	9.101	ppbv		99
79) Naphthalene	22.43	128	5307533	15.260	ppbv		99
80) Naphthalene,2-methyl-	25.13	142	1971264	29.186	ppbv		100
81) 1,2,4-Trichlorobenzene	22.16	180	2582630	14.958	ppbv		99

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

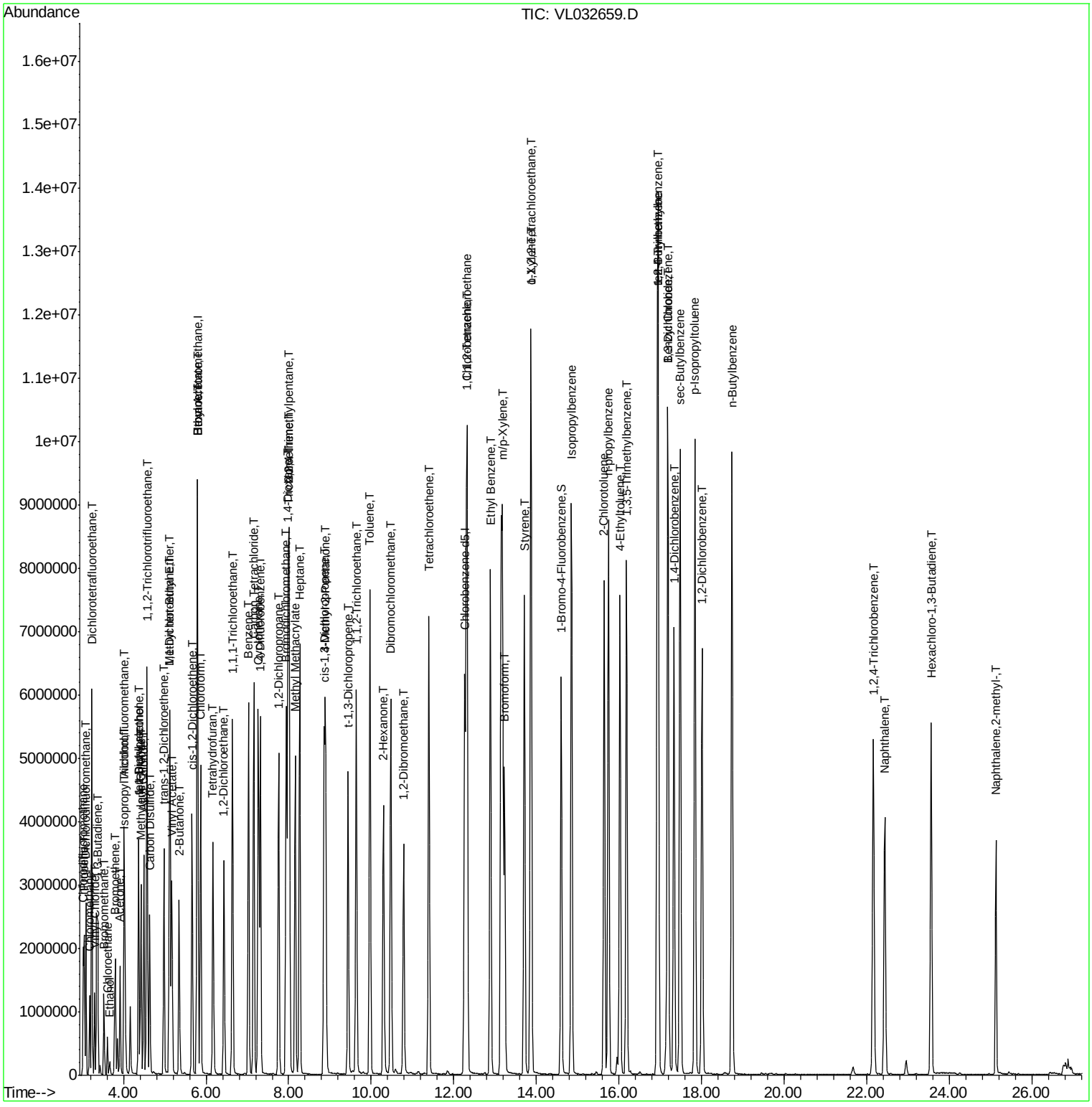
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101818\

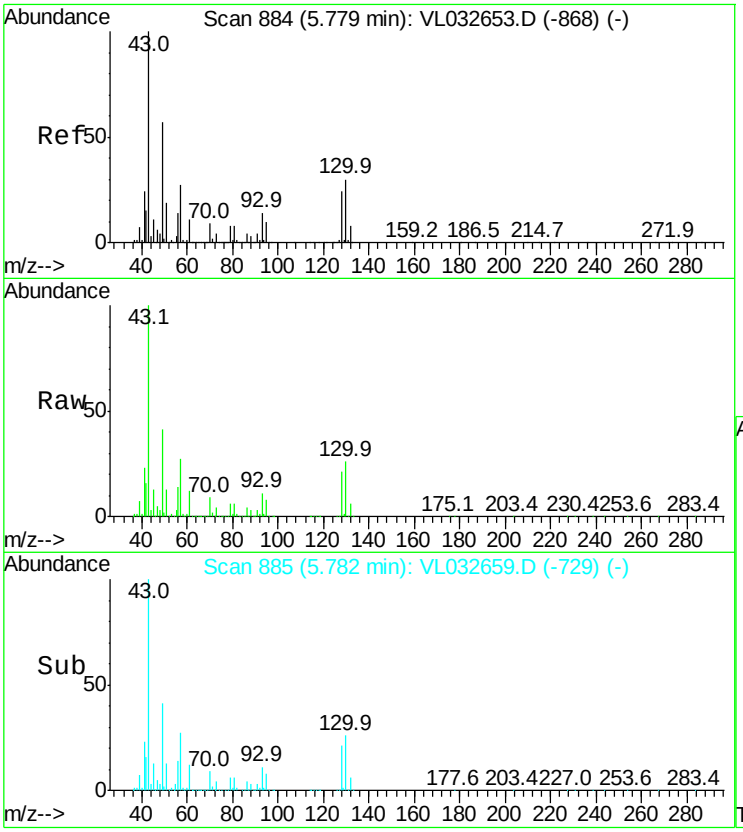
Quantitation Report (Not Reviewed)

Data File : VL032659.D
Acq On : 18 Oct 2018 19:58
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Oct 18 20:26:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 18 11:41:40 2018
QLast Update : Thu Oct 18 11:41:40 2018
Response via : Initial Calibration



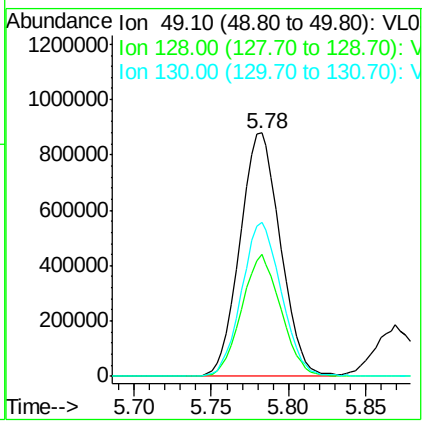


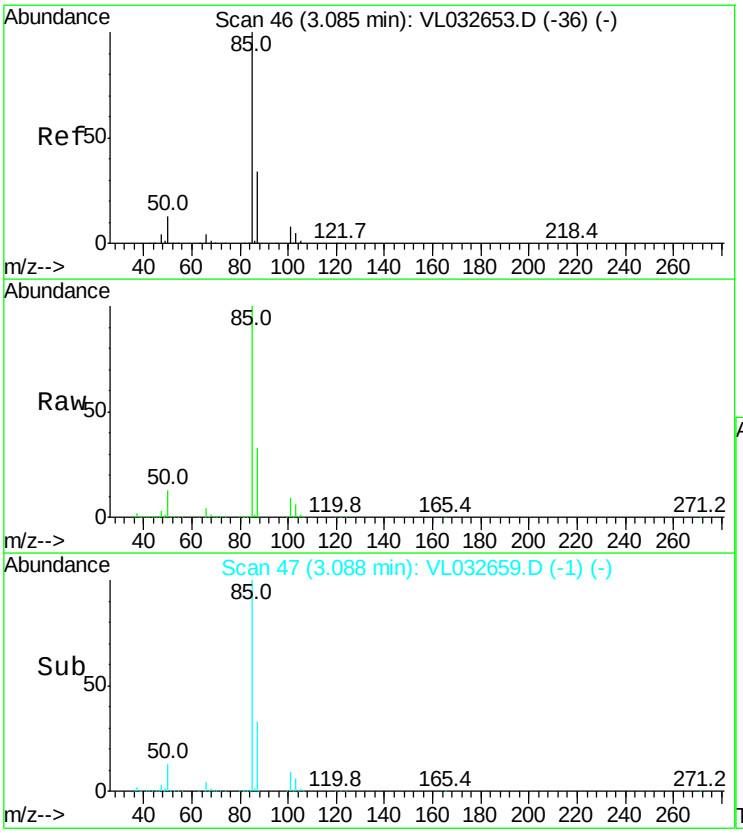
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 49 Resp: 1605920

Ion	Ratio	Lower	Upper
49	100		
128	48.5	22.3	66.8
130	62.3	28.4	85.3

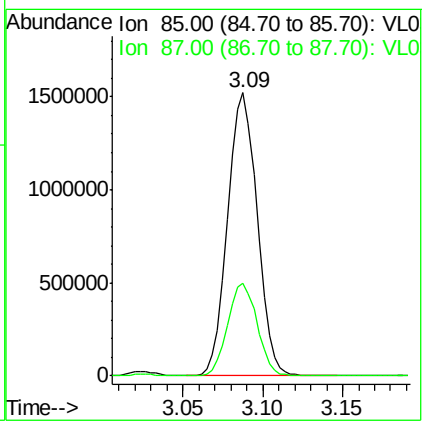


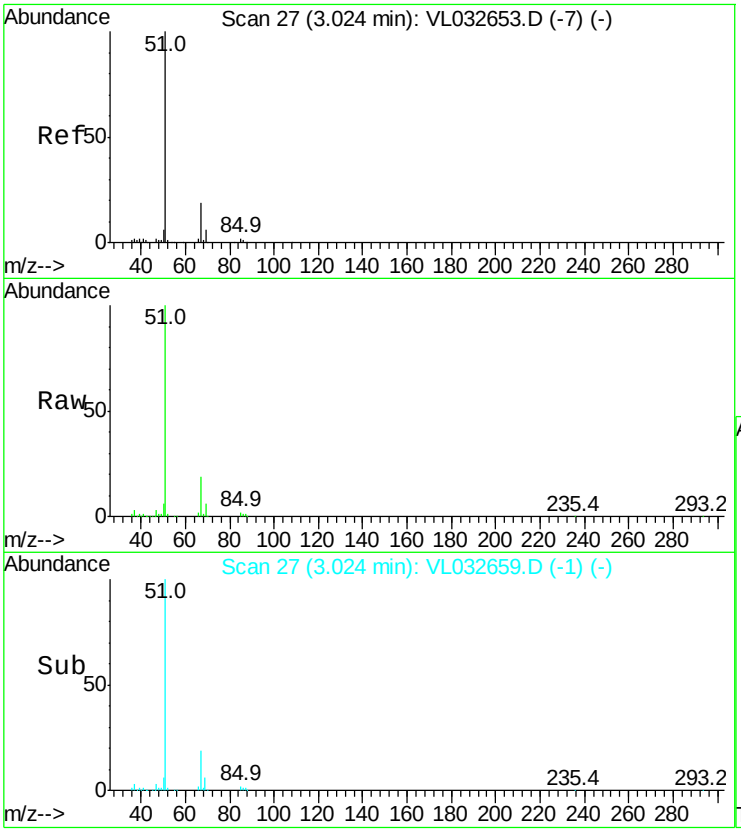


#2
Dichlorodifluoromethane
Concen: 12.045 ppbv
RT: 3.09 min Scan# 47
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 85 Resp: 1907821

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.2	39.2



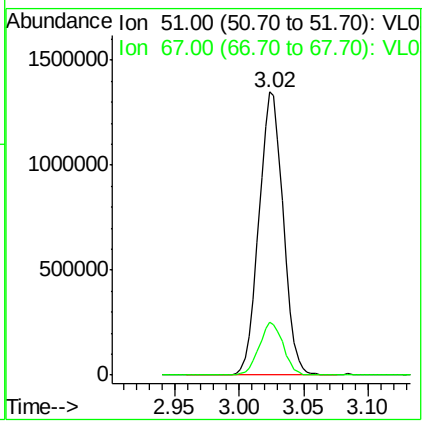


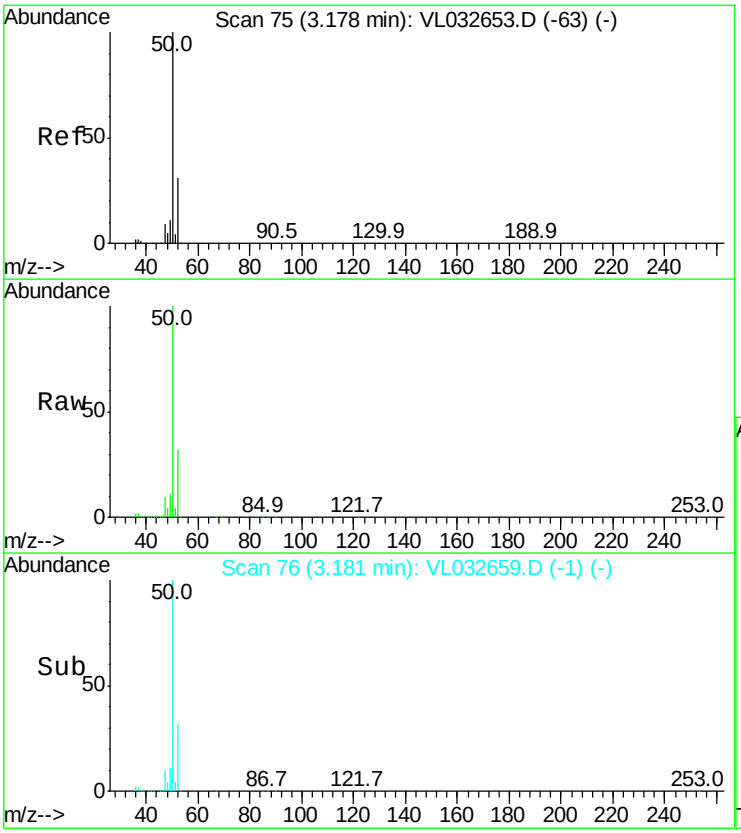
#3
Chlorodifluoromethane
Concen: 13.252 ppbv
RT: 3.02 min Scan# 27
Delta R.T. -0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 51 Resp: 1780710

Ion	Ratio	Lower	Upper
51	100		
67	18.4	15.2	22.8

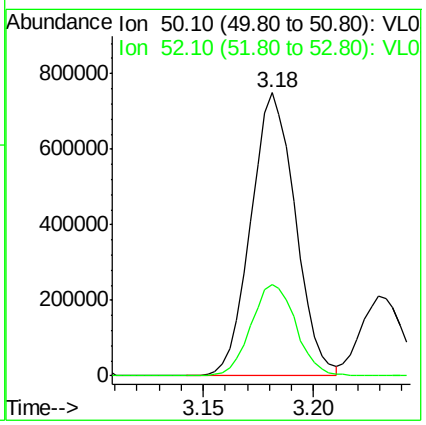


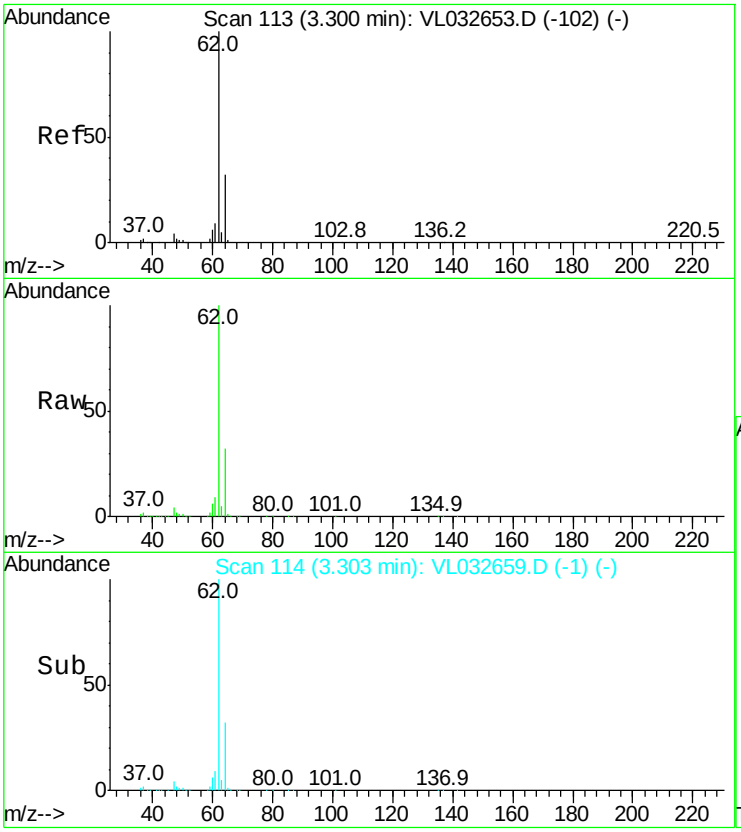


#4
Chloromethane
Concen: 14.246 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 50 Resp: 1044920

Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.9	38.9



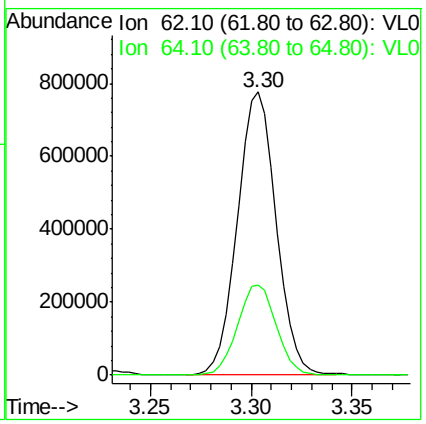


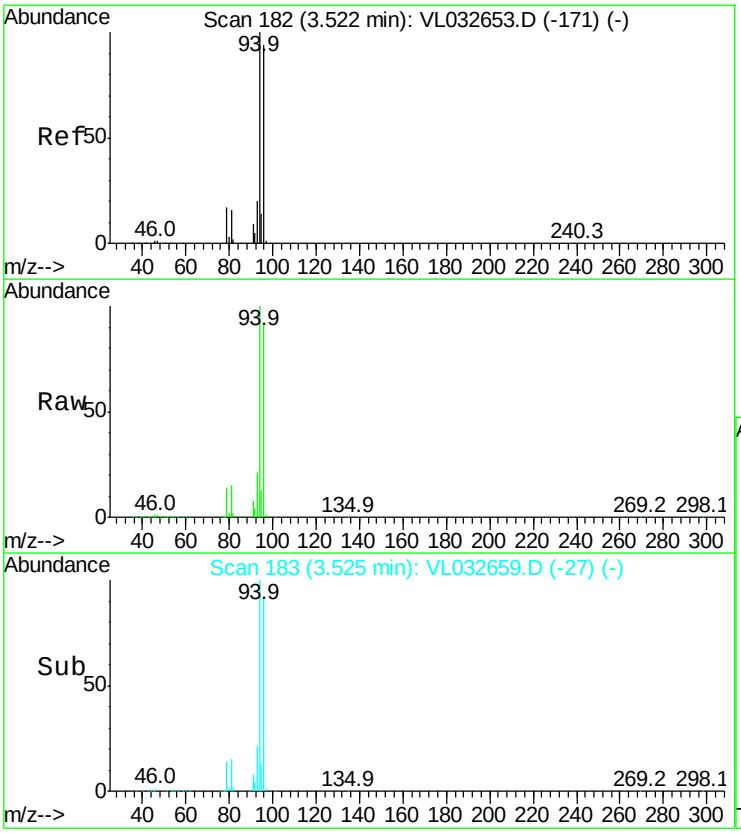
#5
Vinyl Chloride
Concen: 14.216 ppbv
RT: 3.30 min Scan# 114
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 1050605

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.5	38.3

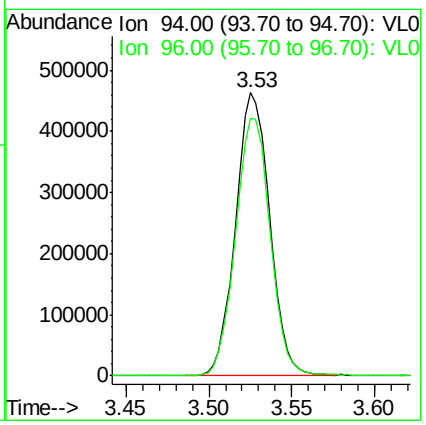


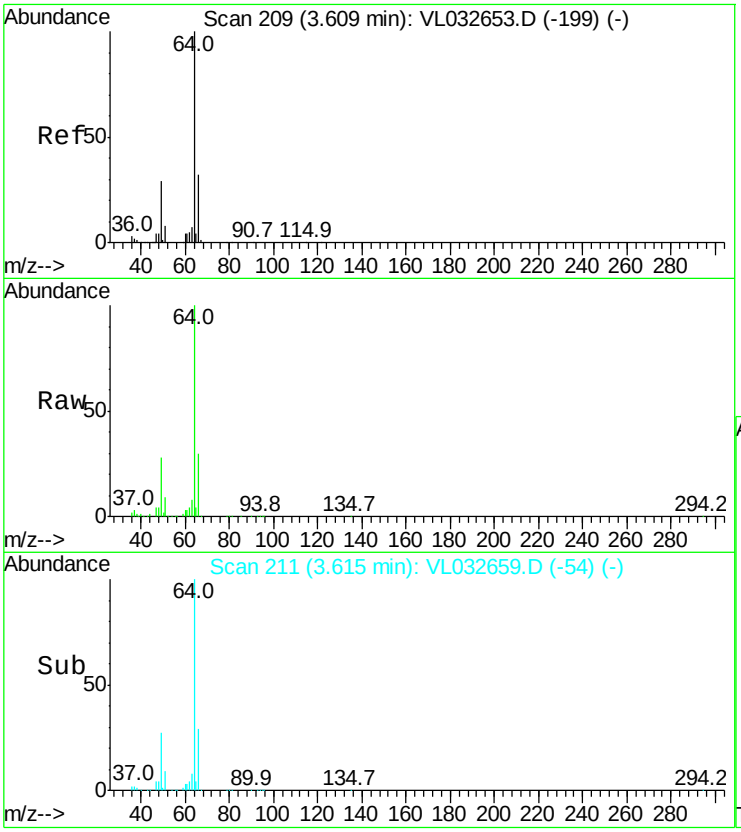


#6
Bromomethane
Concen: 14.245 ppbv
RT: 3.53 min Scan# 183
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 94 Resp: 664945

Ion	Ratio	Lower	Upper
94	100		
96	91.2	69.8	104.8



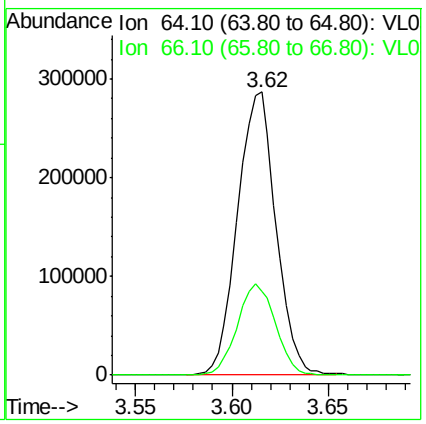


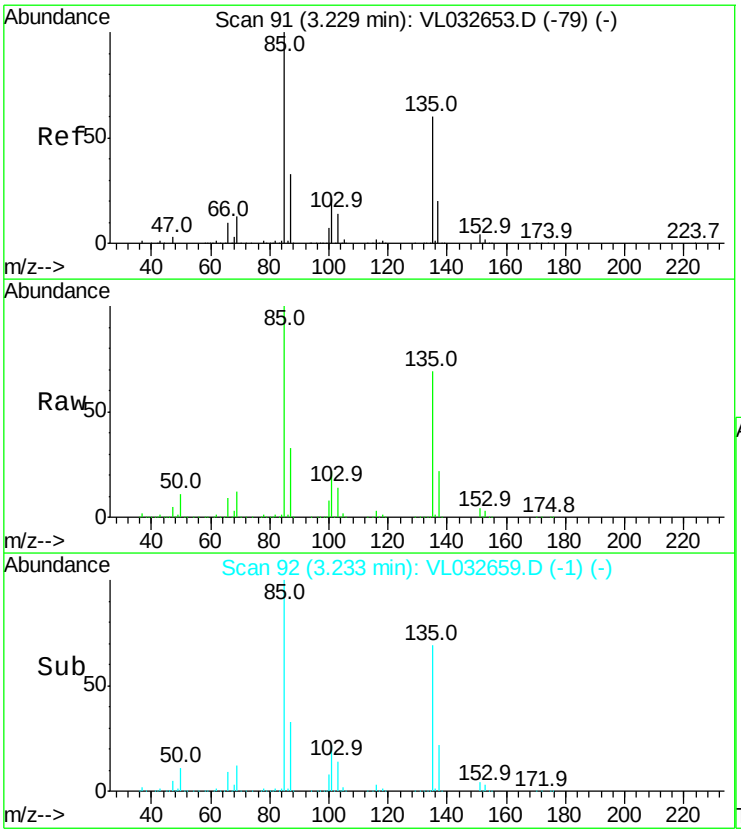
#7
Chloroethane
Concen: 13.720 ppbv
RT: 3.62 min Scan# 211
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 64 Resp: 396895

Ion	Ratio	Lower	Upper
64	100		
66	29.8	24.4	36.6

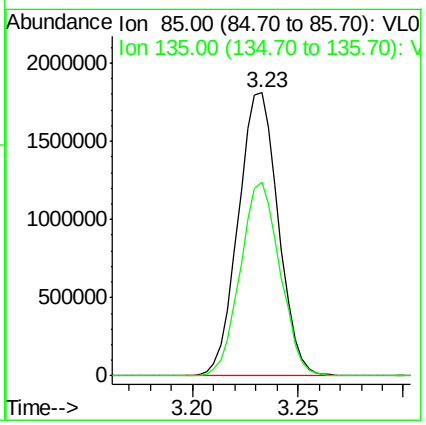


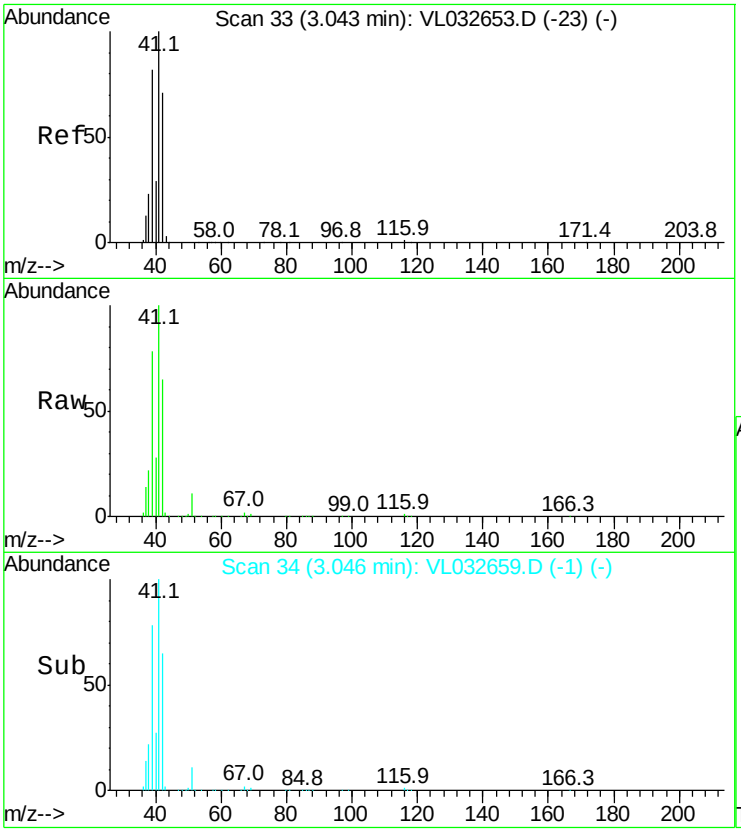


#8
Dichlorotetrafluoroethane
Concen: 13.169 ppbv
RT: 3.23 min Scan# 92
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 85 Resp: 2384028

Ion	Ratio	Lower	Upper
85	100		
135	68.2	49.0	73.4



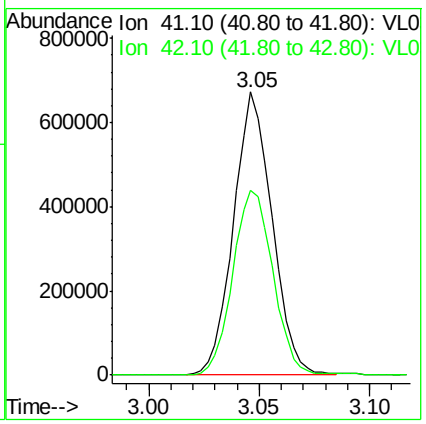


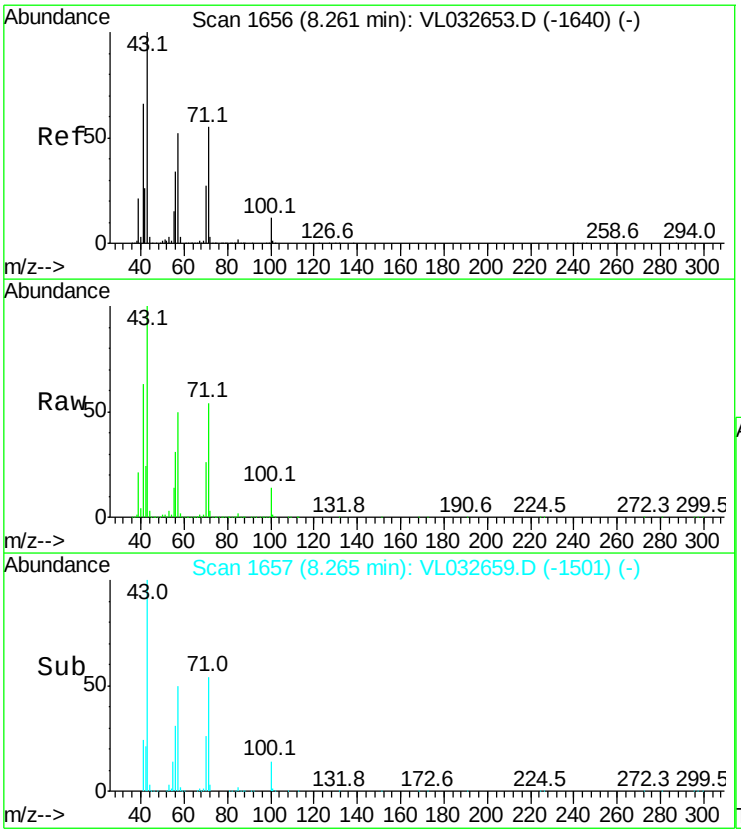
#9
Propene
Concen: 16.588 ppbv
RT: 3.05 min Scan# 34
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 817140

Ion	Ratio	Lower	Upper
41	100		
42	68.8	55.4	83.0

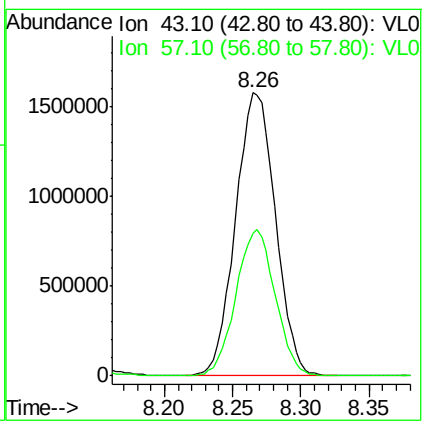


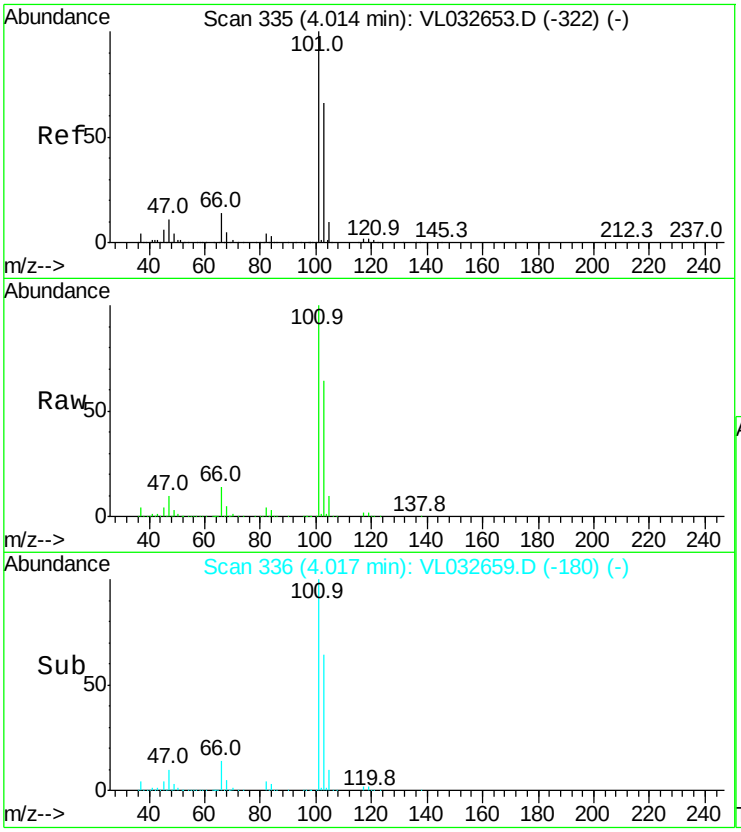


#10
Heptane
Concen: 17.303 ppbv
RT: 8.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 43 Resp: 3191893

Ion	Ratio	Lower	Upper
43	100		
57	50.9	41.5	62.3



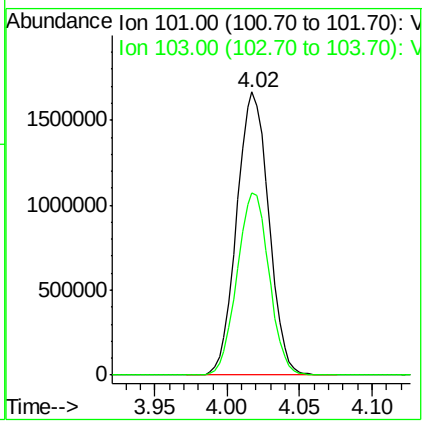


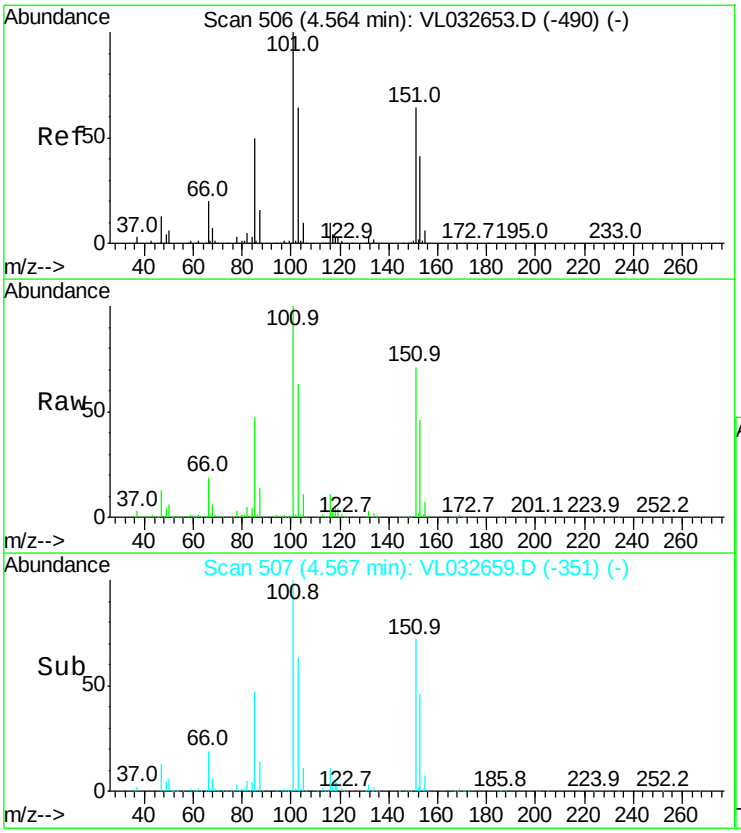
#11
Trichlorofluoromethane
Concen: 12.418 ppbv
RT: 4.02 min Scan# 336
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:101 Resp: 2561720

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.4	77.2

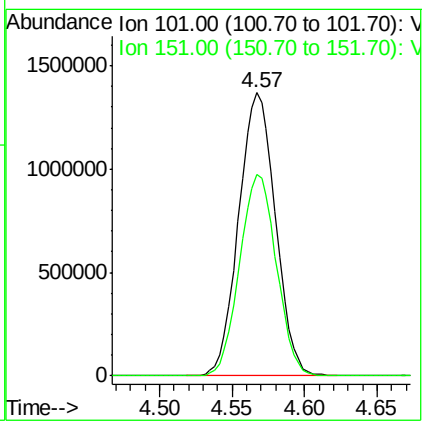


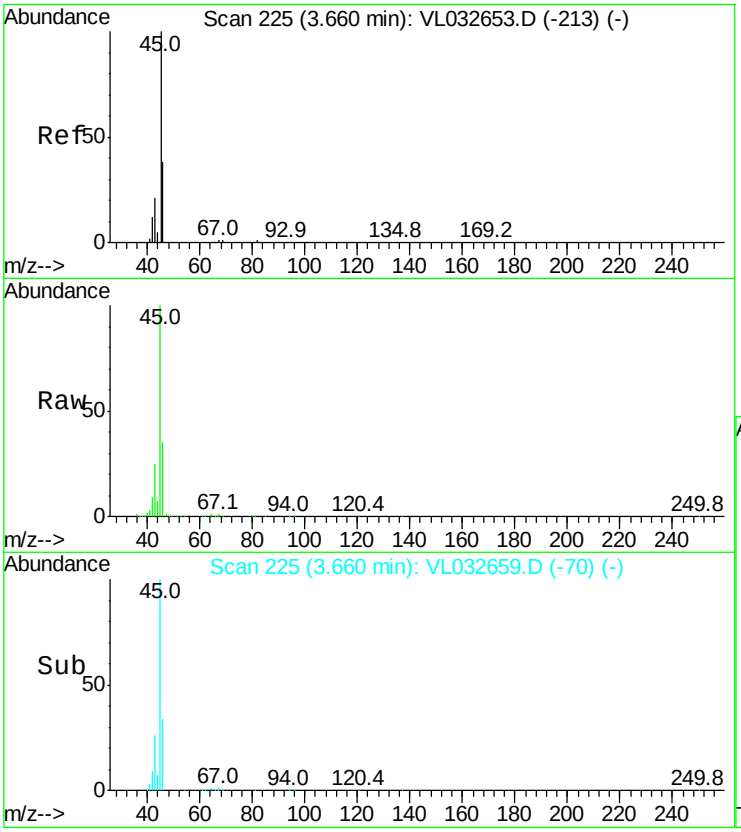


#12
1,1,2-Trichlorotrifluoroethane
Concen: 16.014 ppbv
RT: 4.57 min Scan# 507
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion:101 Resp: 2418798

Ion	Ratio	Lower	Upper
101	100		
151	71.4	52.3	78.5



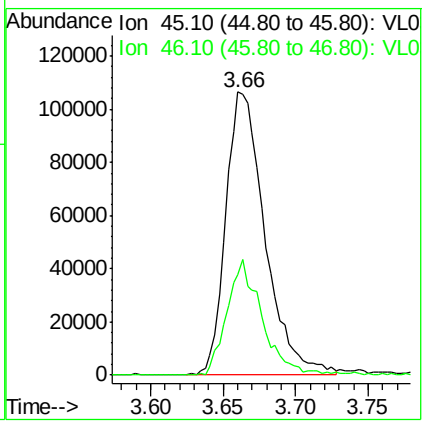


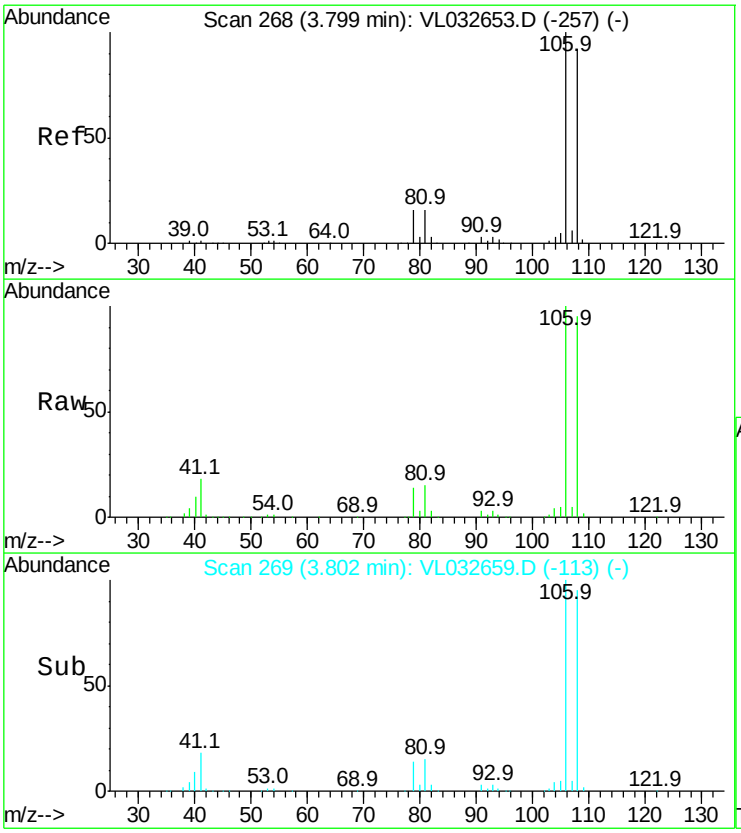
#13
Ethanol
Concen: 13.106 ppbv
RT: 3.66 min Scan# 225
Delta R.T. -0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 199771

Ion	Ratio	Lower	Upper
45	100		
46	36.9	15.4	61.8

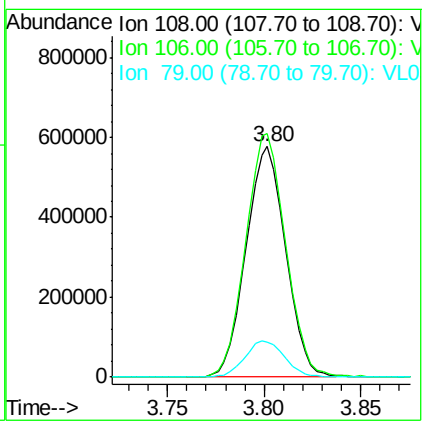


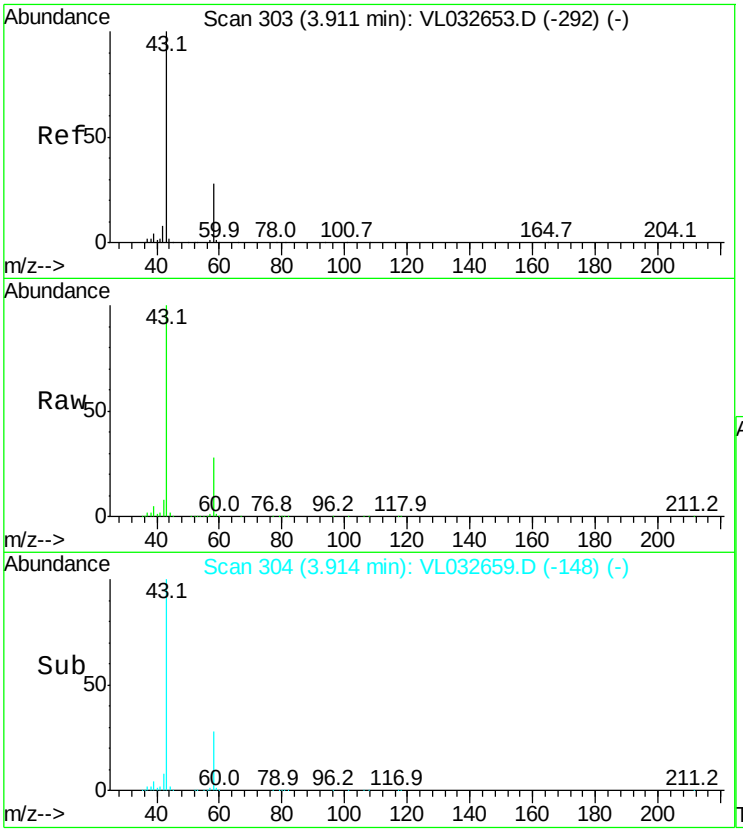


#14
Bromoethene
Concen: 14.900 ppbv
RT: 3.80 min Scan# 269
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion:108 Resp: 823402

Ion	Ratio	Lower	Upper
108	100		
106	106.9	85.0	127.4
79	16.0	13.7	20.5



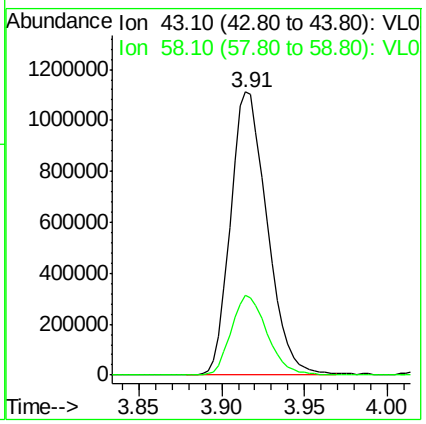


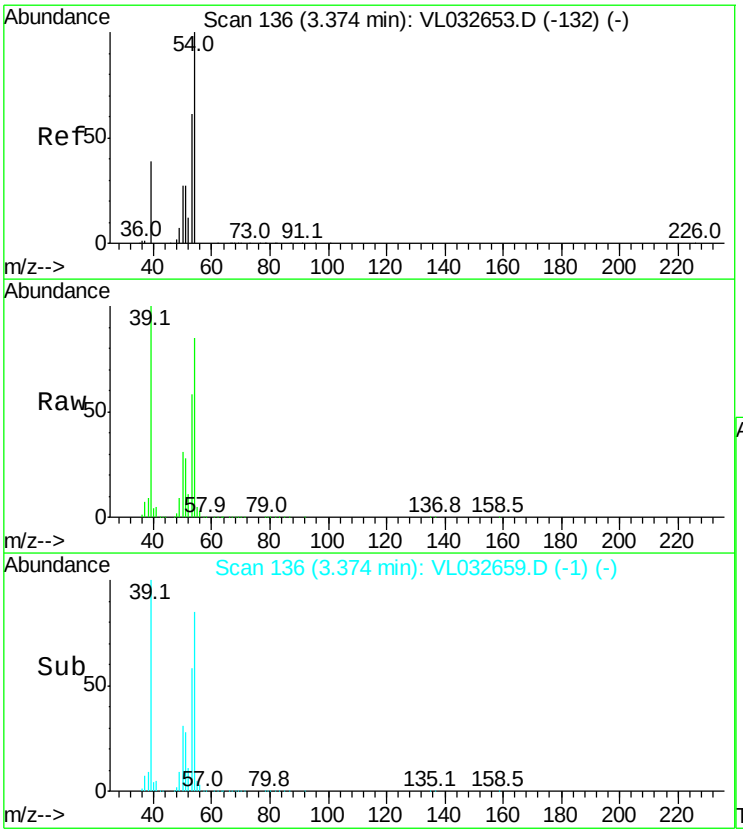
#15
Acetone
Concen: 11.953 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 1708235

Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.1	33.1

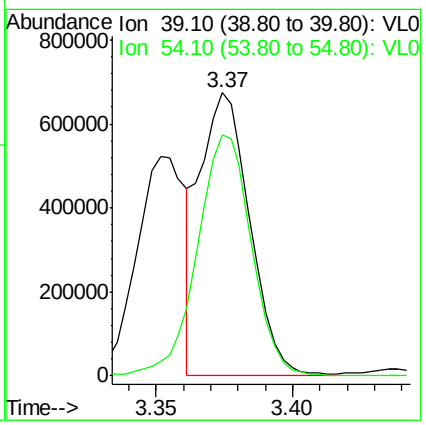


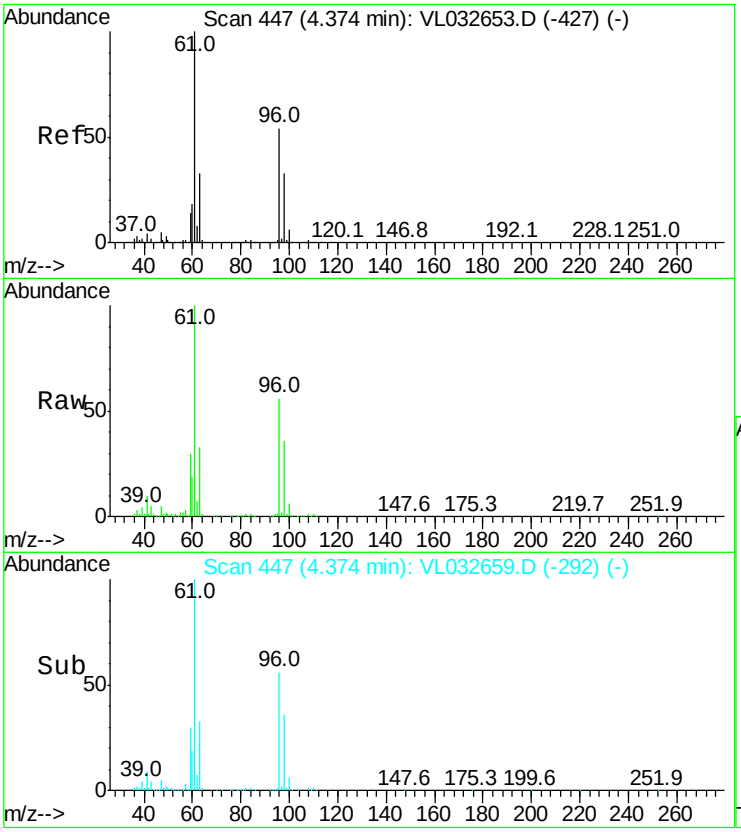


#16
1,3-Butadiene
Concen: 16.119 ppbv
RT: 3.37 min Scan# 136
Delta R.T. -0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 39 Resp: 852960

Ion	Ratio	Lower	Upper
39	100		
54	93.4	90.4	135.6



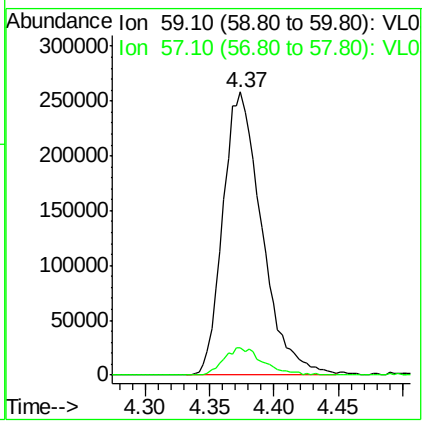


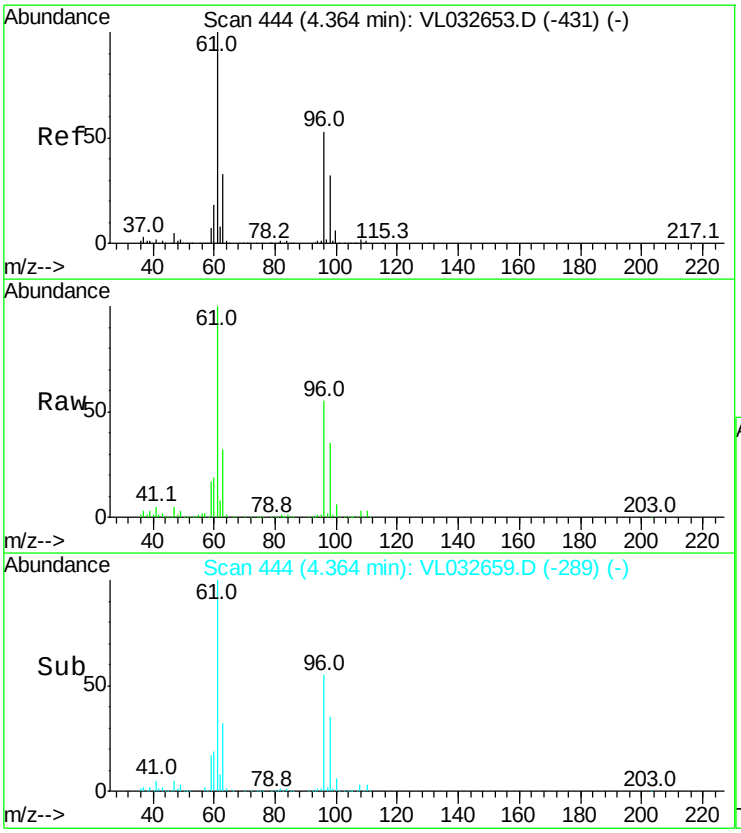
#17
tert-Butyl alcohol
Concen: 41.588 ppbv
RT: 4.37 min Scan# 447
Delta R.T. -0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 59 Resp: 542425

Ion	Ratio	Lower	Upper
59	100		
57	9.8	0.0	0.0#

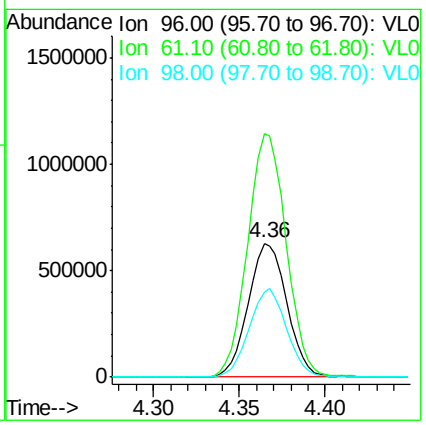


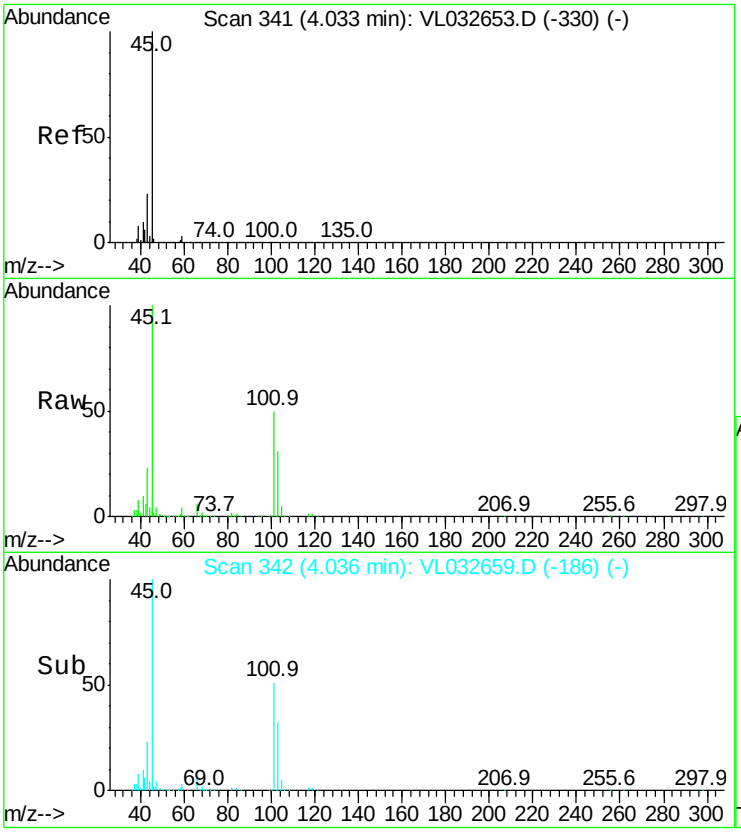


#18
1,1-Dichloroethene
Concen: 14.337 ppbv
RT: 4.36 min Scan# 444
Delta R.T. -0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 96 Resp: 976578

Ion	Ratio	Lower	Upper
96	100		
61	182.3	151.6	227.4
98	64.0	50.6	75.8



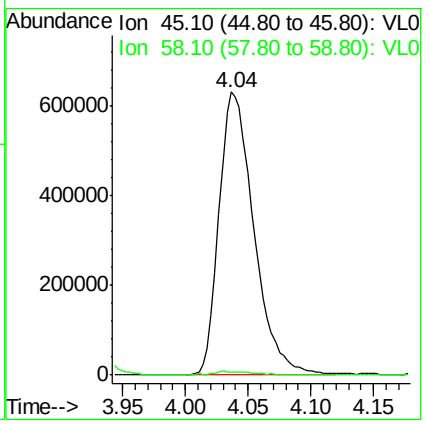


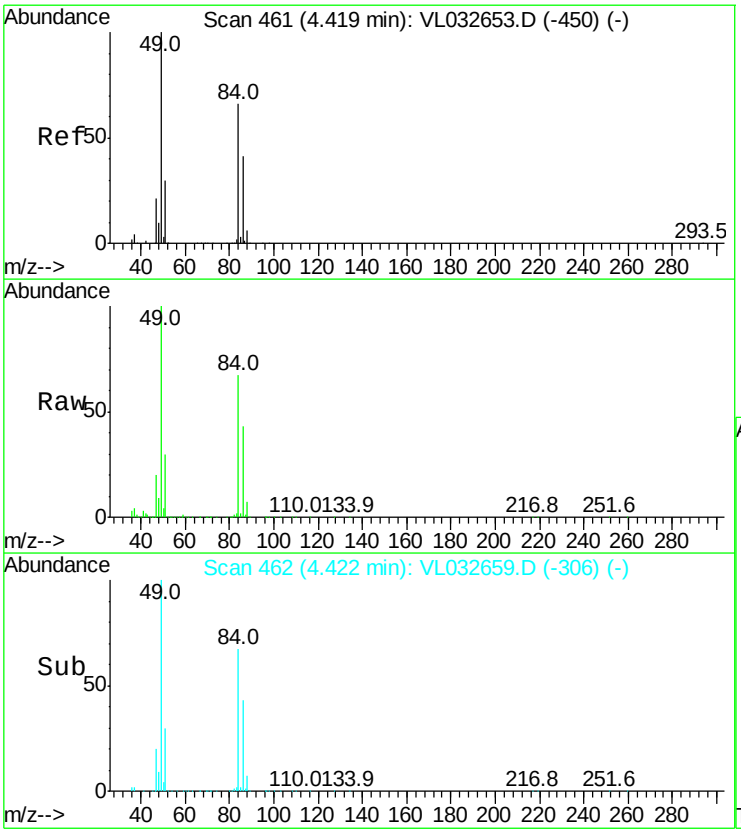
#19
Isopropyl Alcohol
Concen: 12.028 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 1213980

Ion	Ratio	Lower	Upper
45	100		
58	1.7	2.0	3.0#

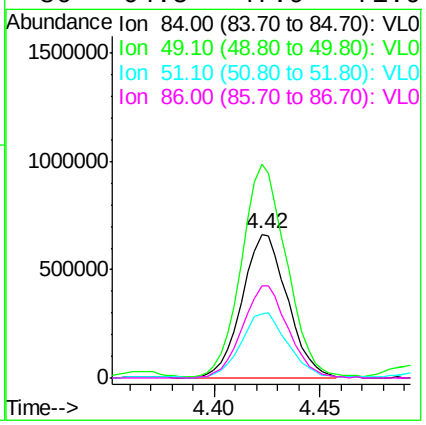


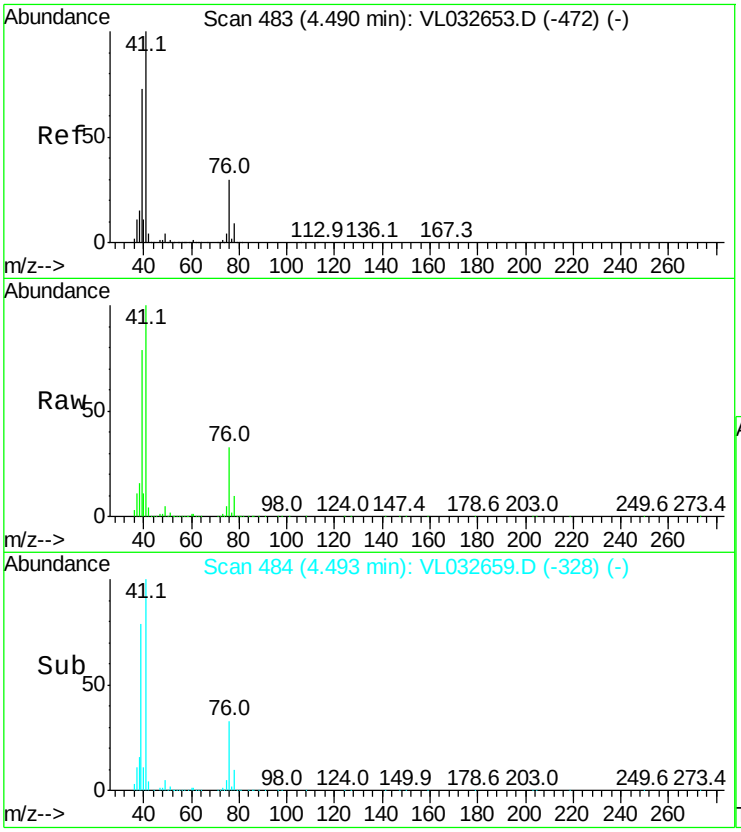


#20
Methylene Chloride
Concen: 15.456 ppbv
RT: 4.42 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 84 Resp: 989507

Ion	Ratio	Lower	Upper
84	100		
49	148.5	113.5	170.3
51	44.0	34.8	52.2
86	64.5	47.9	71.9



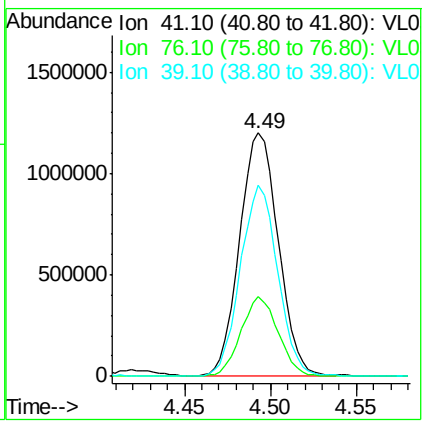


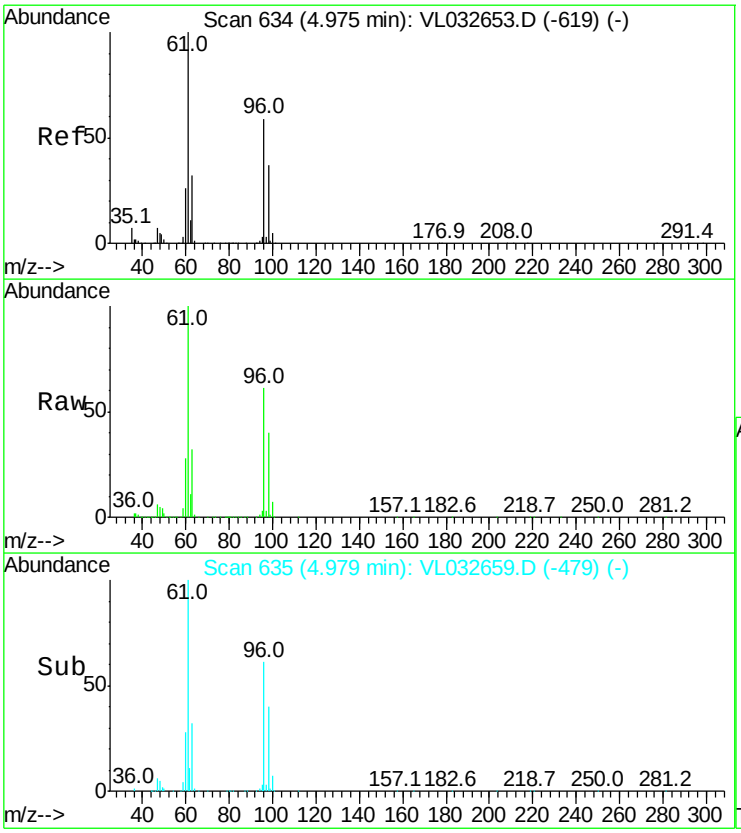
#21
Allyl Chloride
Concen: 17.448 ppbv
RT: 4.49 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 1871335

Ion	Ratio	Lower	Upper
41	100		
76	31.4	24.3	36.5
39	75.8	60.3	90.5

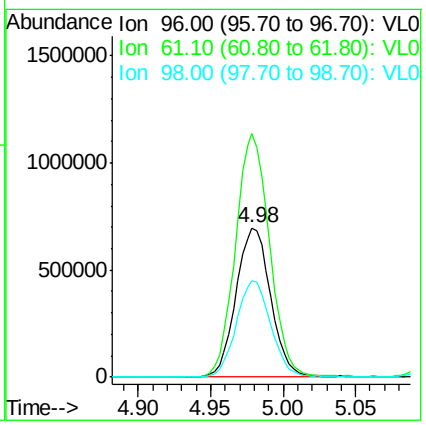


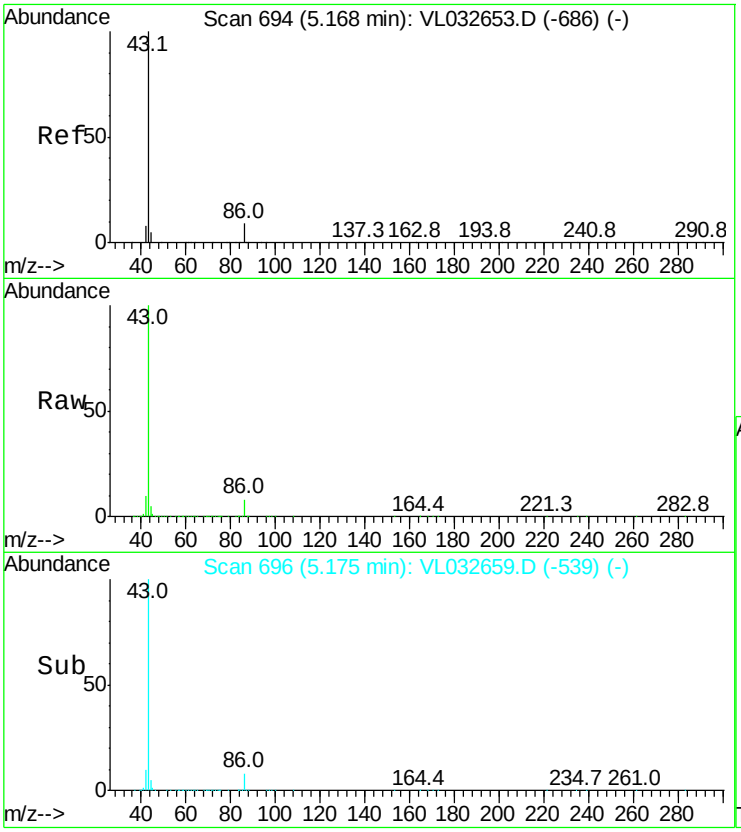


#22
trans-1,2-Dichloroethene
Concen: 14.693 ppbv
RT: 4.98 min Scan# 635
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 96 Resp: 1156235

Ion	Ratio	Lower	Upper
96	100		
61	163.4	140.4	210.6
98	64.6	55.0	82.6



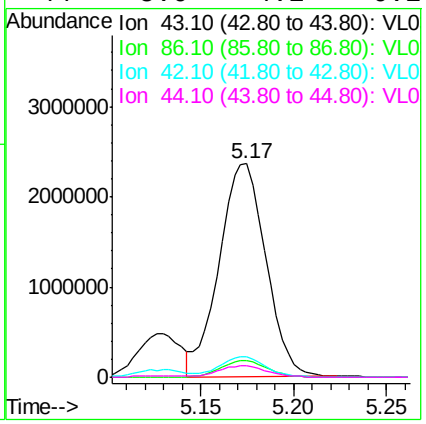


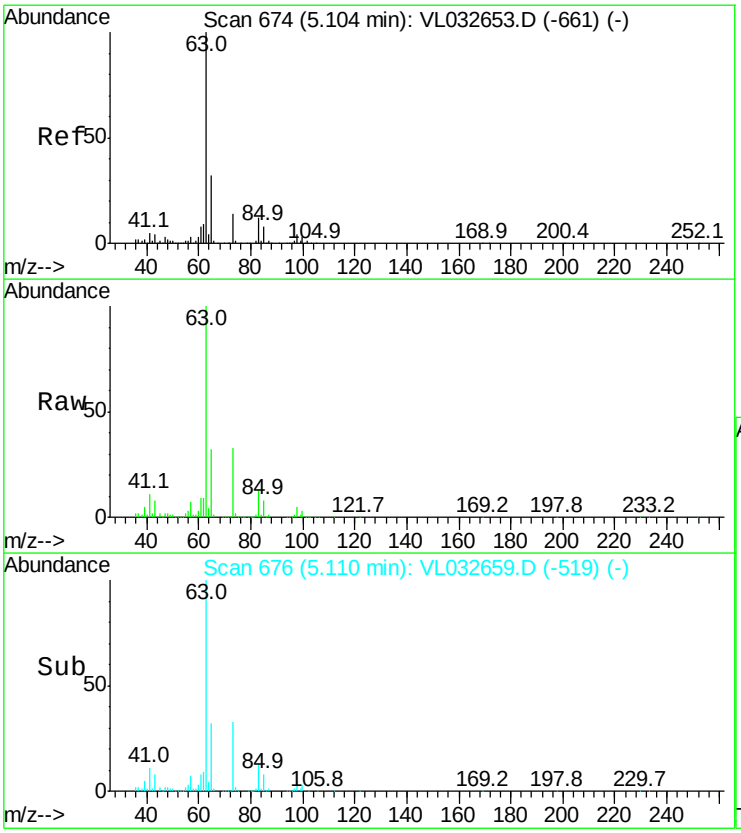
#23
Vinyl Acetate
Concen: 18.131 ppbv
RT: 5.17 min Scan# 696
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 4122171

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.1	9.1
42	9.8	7.4	11.2
44	5.0	4.2	6.2

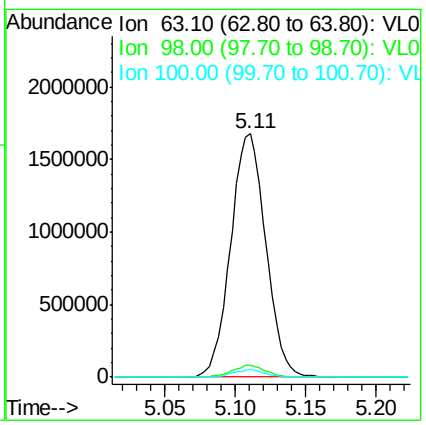


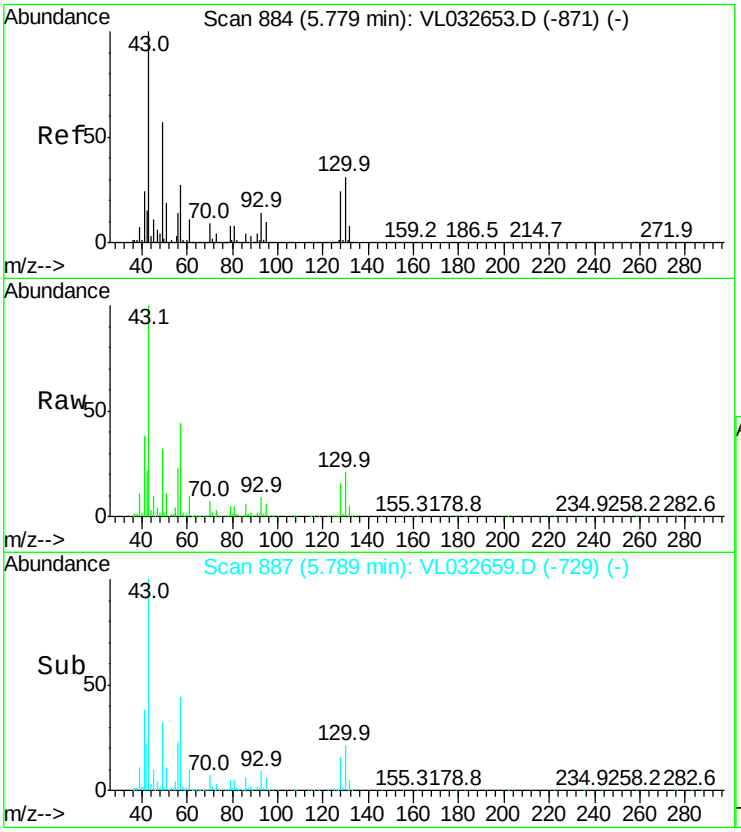


#24
1,1-Dichloroethane
Concen: 13.891 ppbv
RT: 5.11 min Scan# 676
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 63 Resp: 2927918

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.3
100	3.1	1.2	3.6



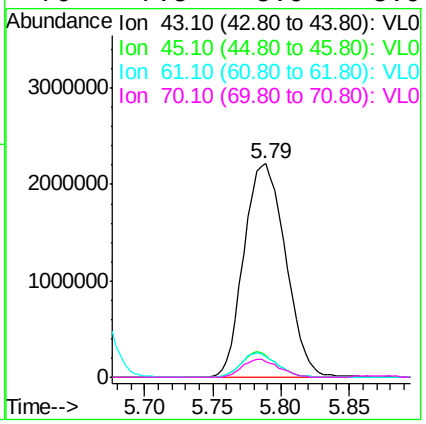


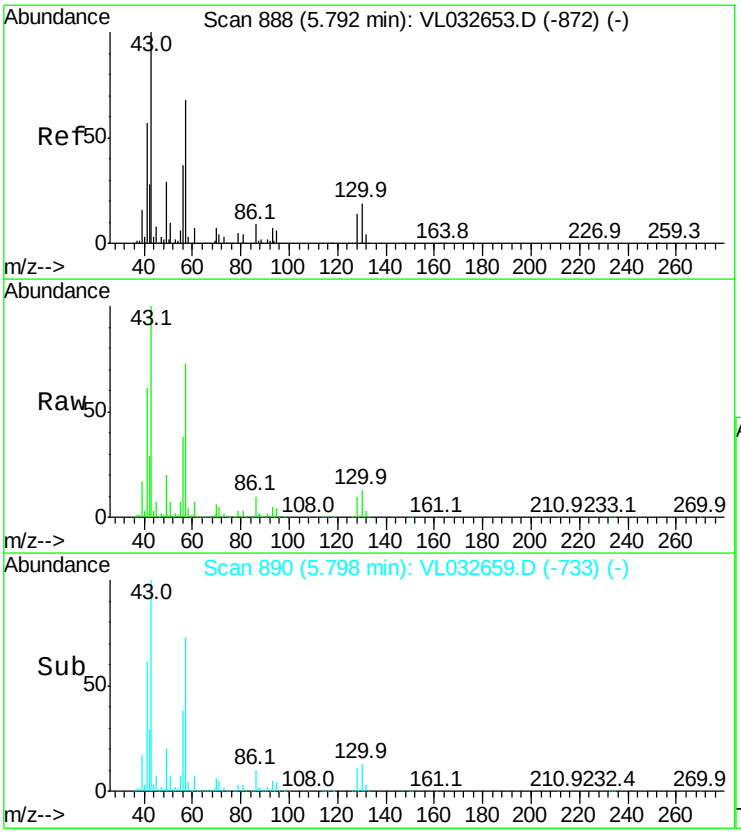
#25
Ethyl Acetate
Concen: 13.874 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 43 Resp: 4691698

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	9.8	8.0	12.0
70	7.5	5.9	8.9

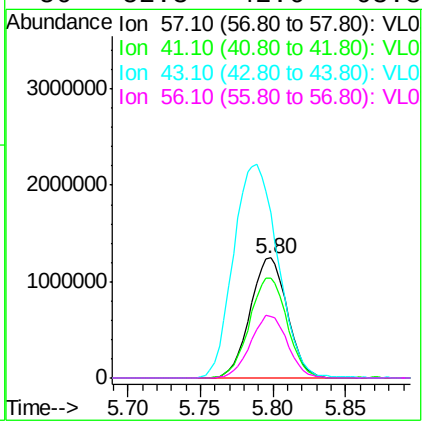


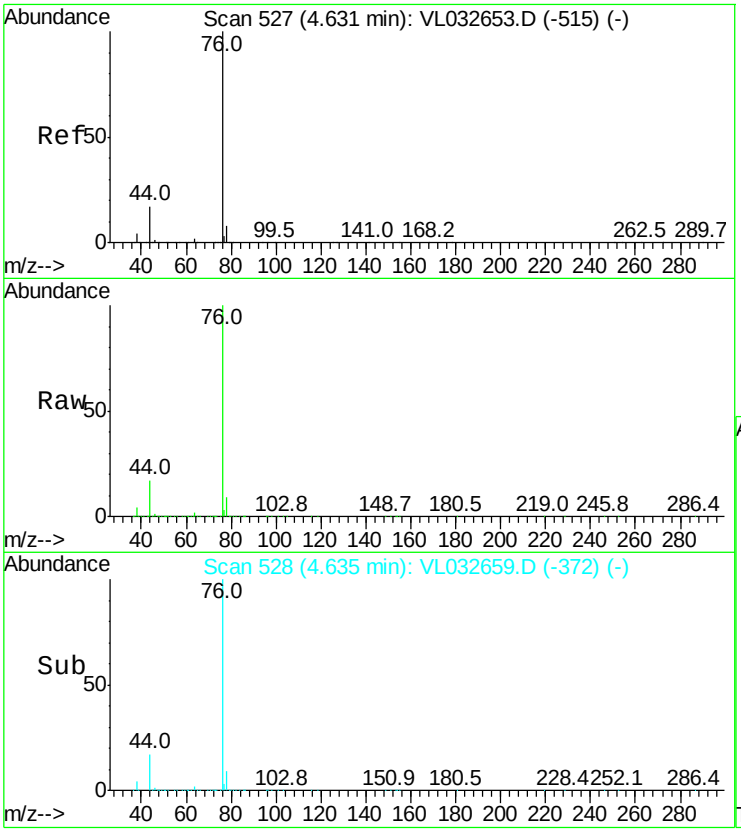


#26
Hexane
Concen: 14.595 ppbv
RT: 5.80 min Scan# 890
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 57 Resp: 2223075

Ion	Ratio	Lower	Upper
57	100		
41	84.7	67.4	101.0
43	212.3	171.9	257.9
56	52.3	42.6	63.8



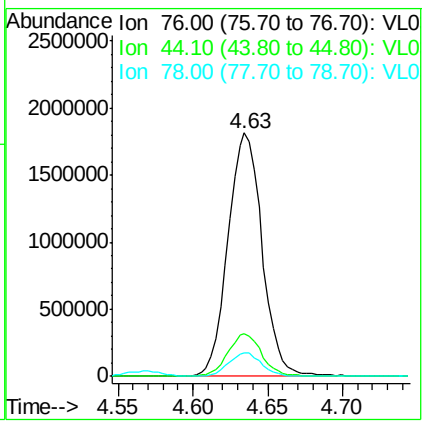


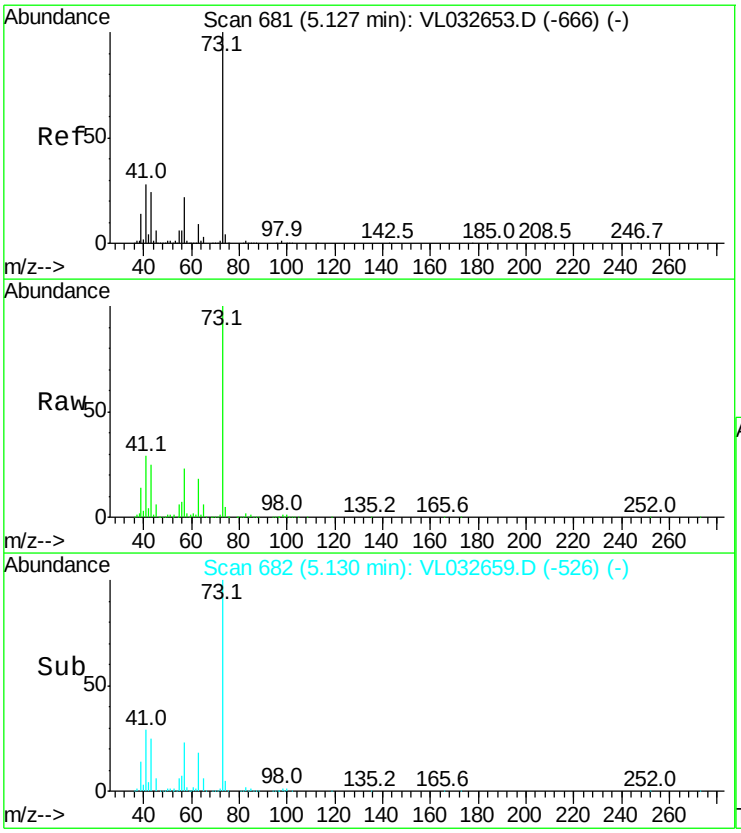
#27
Carbon Disulfide
Concen: 15.612 ppbv
RT: 4.63 min Scan# 528
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 76 Resp: 2873612

Ion	Ratio	Lower	Upper
76	100		
44	17.3	13.7	20.5
78	9.5	7.4	11.2

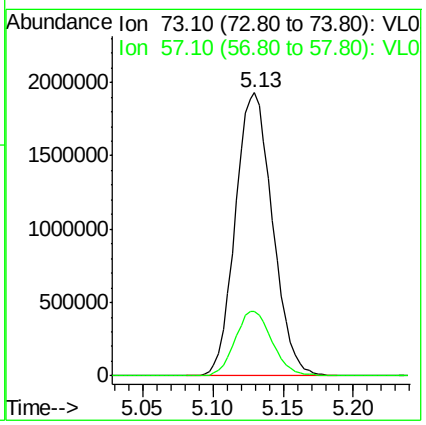


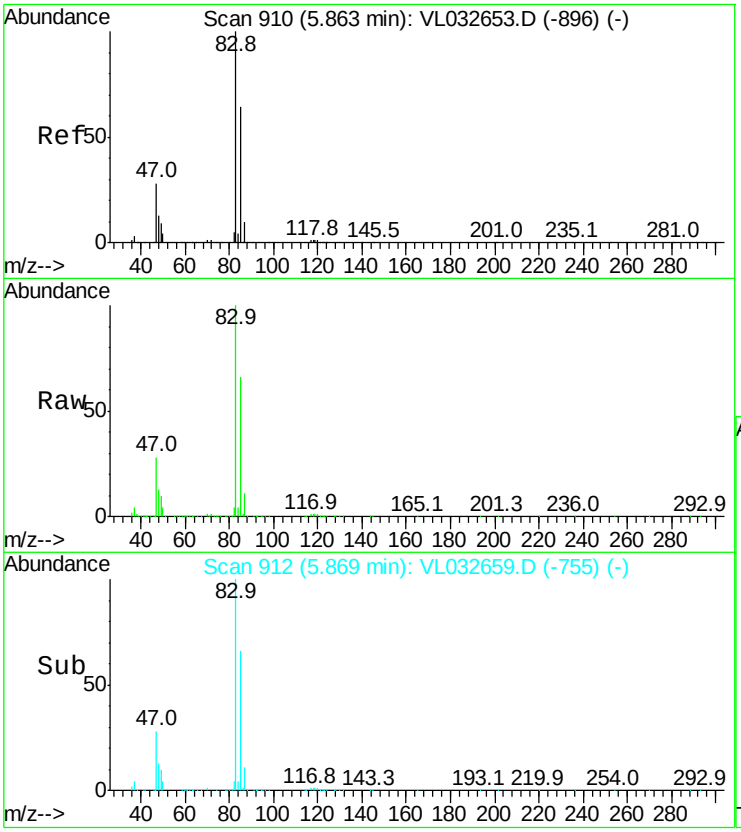


#28
Methyl tert-Butyl Ether
Concen: 18.623 ppbv
RT: 5.13 min Scan# 682
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 73 Resp: 3564686

Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.0	27.0



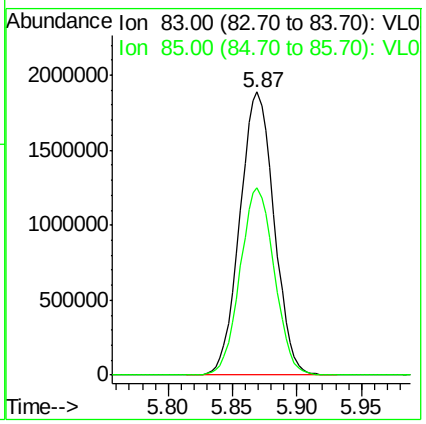


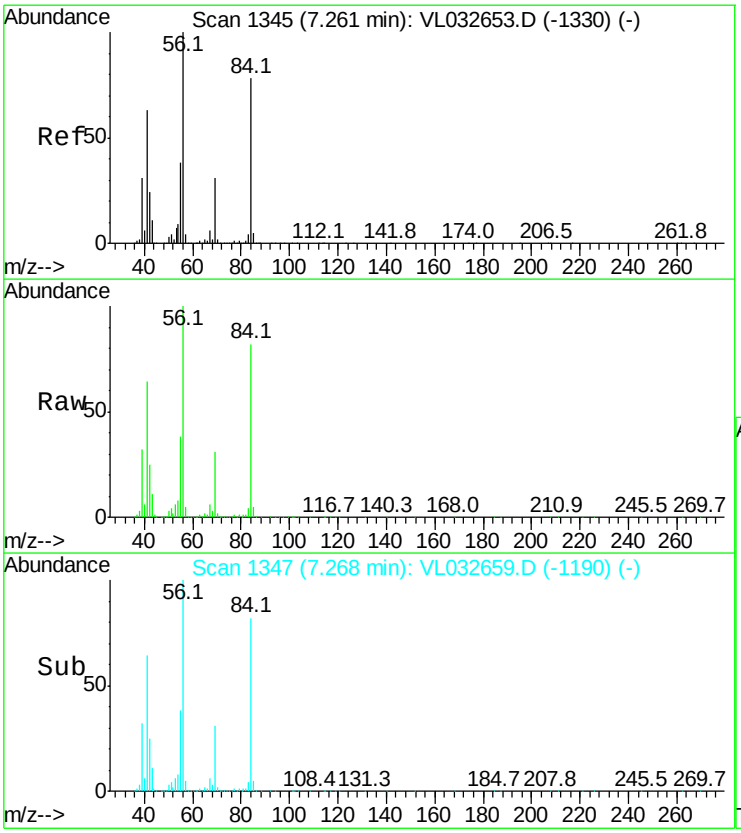
#29
Chloroform
Concen: 13.129 ppbv
RT: 5.87 min Scan# 912
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 3505003

Ion	Ratio	Lower	Upper
83	100		
85	66.2	53.0	79.6

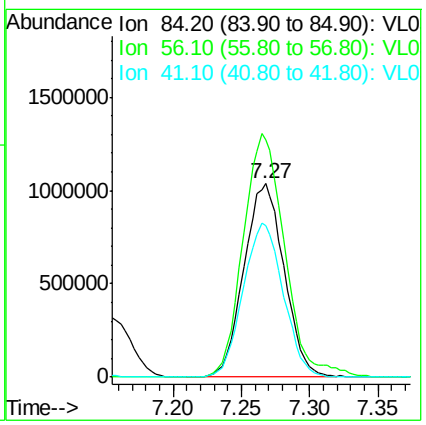


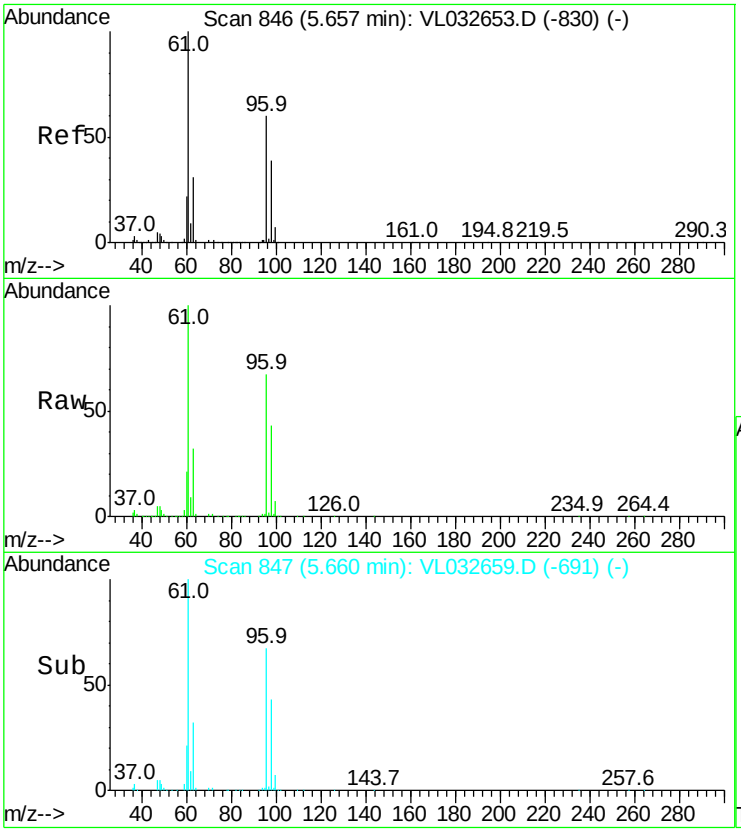


#30
Cyclohexane
Concen: 17.635 ppbv
RT: 7.27 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 84 Resp: 2118315

Ion	Ratio	Lower	Upper
84	100		
56	130.5	108.3	162.5
41	79.4	64.8	97.2



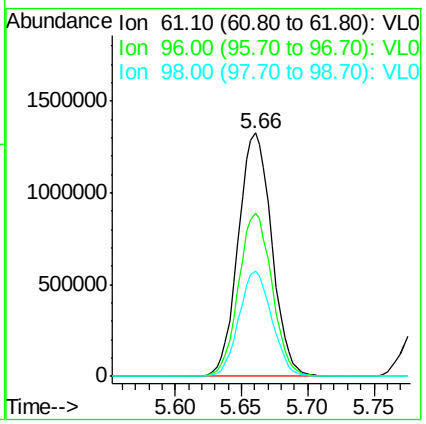


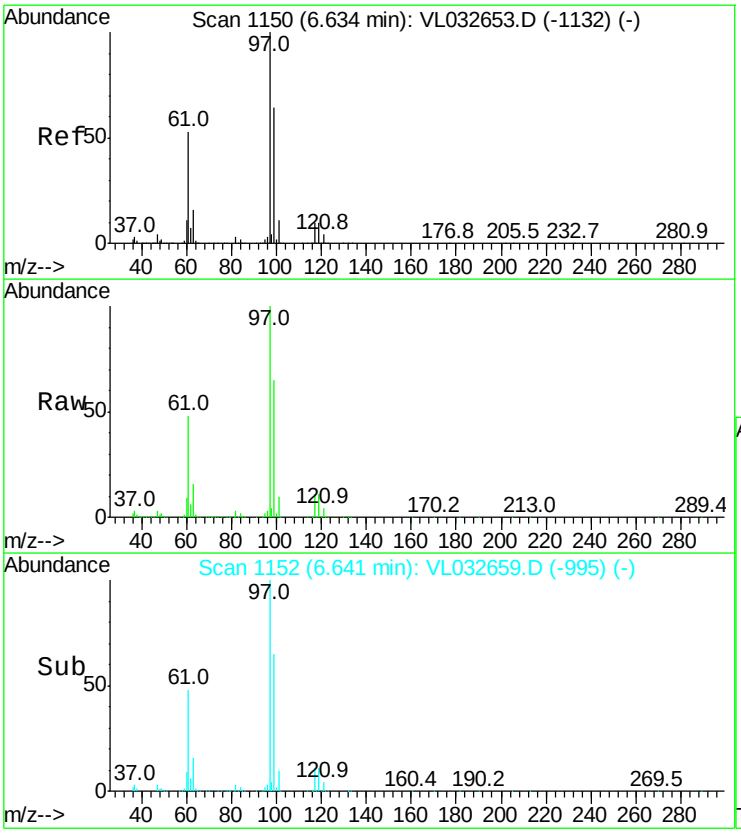
#31
cis-1,2-Dichloroethene
Concen: 15.920 ppbv
RT: 5.66 min Scan# 847
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 61 Resp: 2329440

Ion	Ratio	Lower	Upper
61	100		
96	66.7	51.8	77.6
98	43.3	33.8	50.6

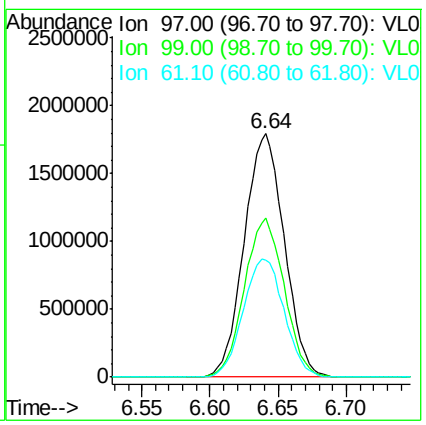


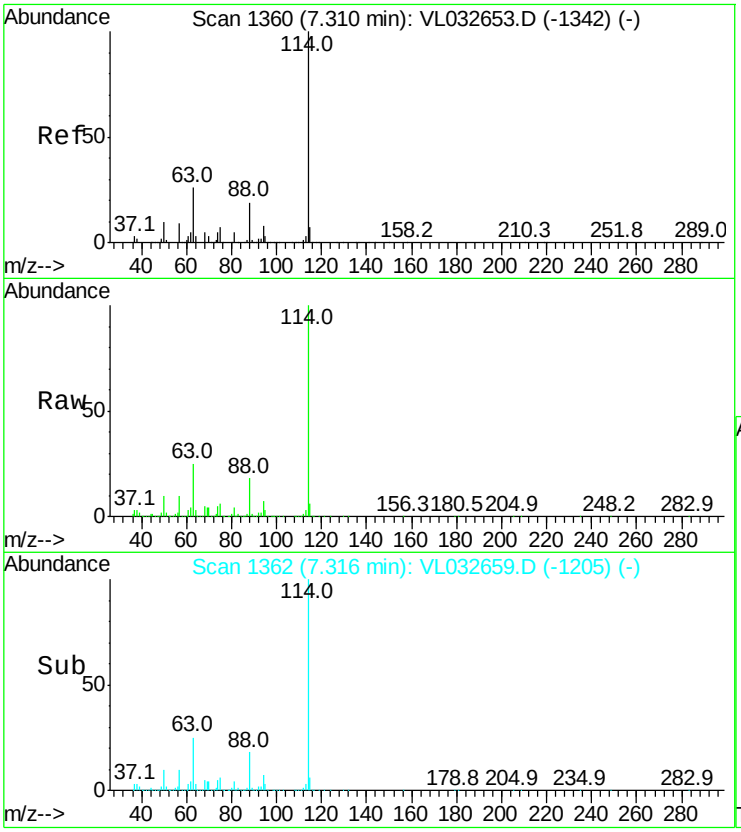


#32
1,1,1-Trichloroethane
Concen: 13.741 ppbv
RT: 6.64 min Scan# 1152
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 97 Resp: 3659578

Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	49.8	40.7	61.1



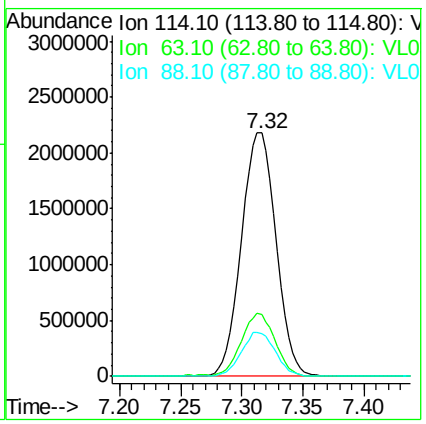


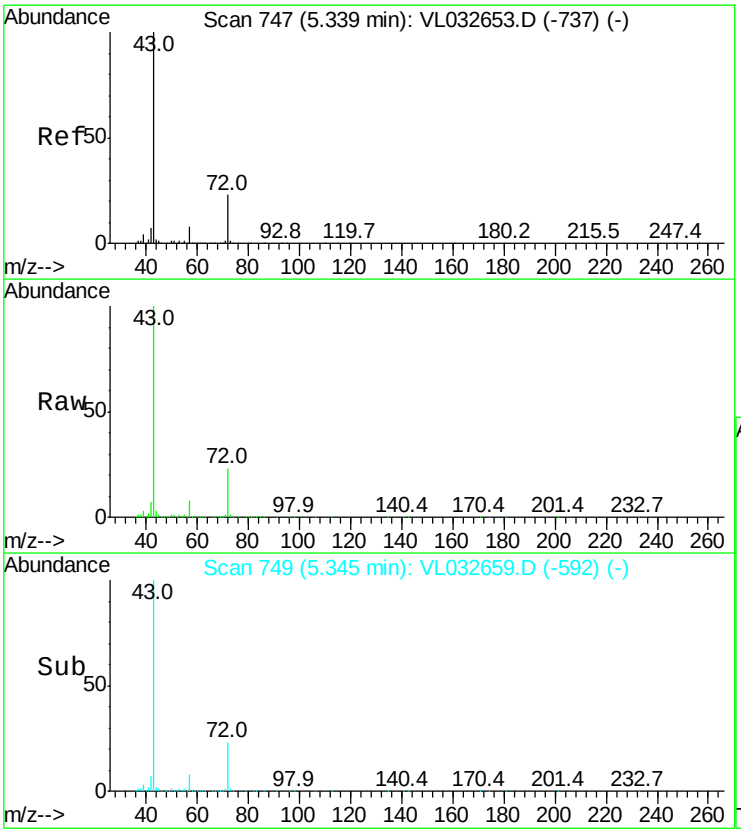
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1362
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:114 Resp: 4253675

Ion	Ratio	Lower	Upper
114	100		
63	25.7	21.7	32.5
88	17.7	14.9	22.3

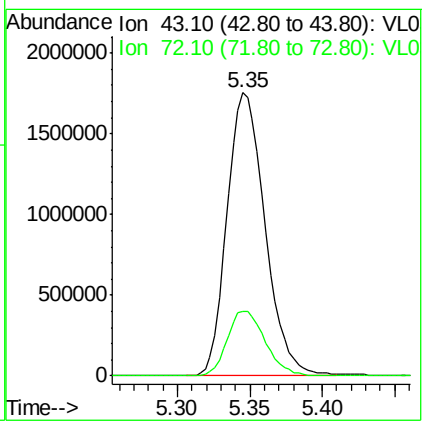


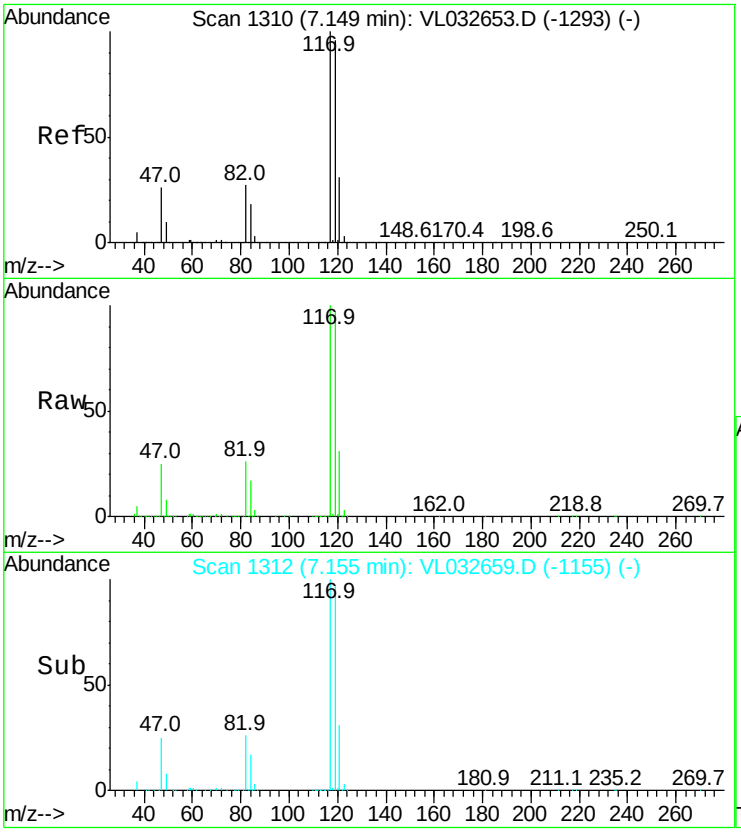


#34
2-Butanone
Concen: 13.452 ppbv
RT: 5.35 min Scan# 749
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 43 Resp: 3175985

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.6	27.8



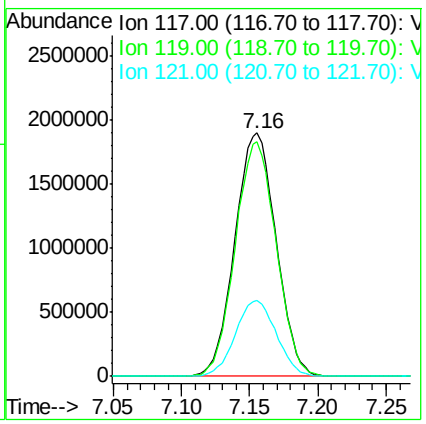


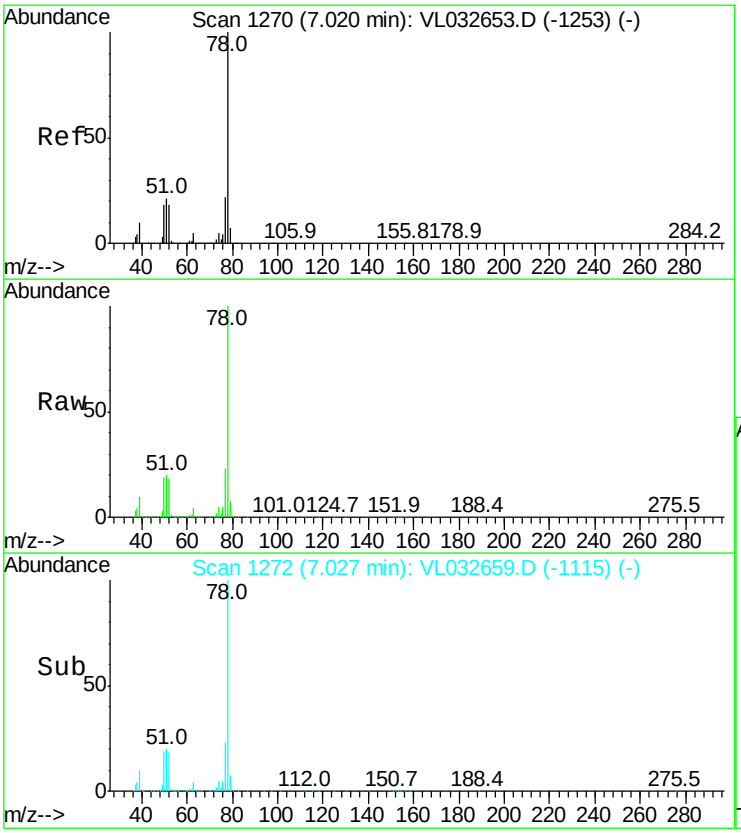
#35
Carbon Tetrachloride
Concen: 12.072 ppbv
RT: 7.16 min Scan# 1312
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion:117 Resp: 3979526

Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.7	113.5
121	31.0	24.7	37.1

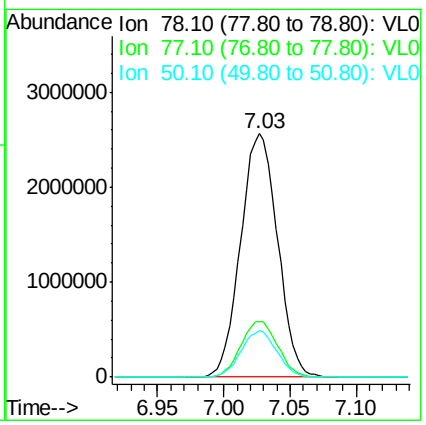


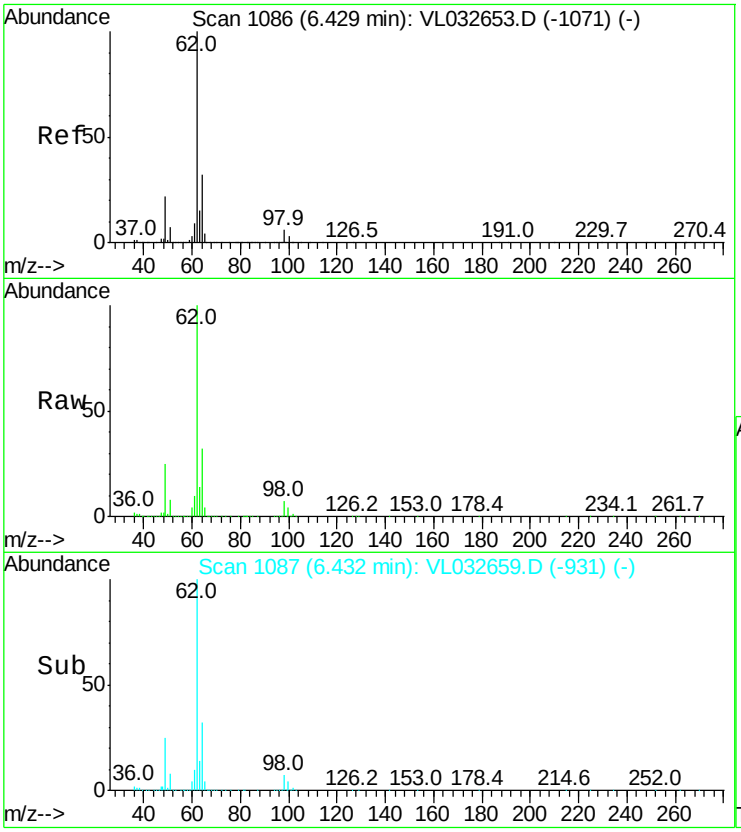


#36
Benzene
Concen: 14.429 ppbv
RT: 7.03 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 78 Resp: 4974802

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.1	27.1
50	18.8	15.1	22.7



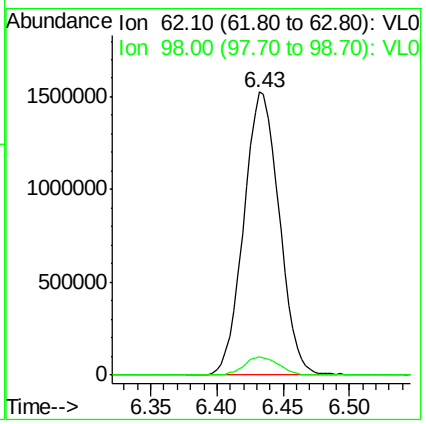


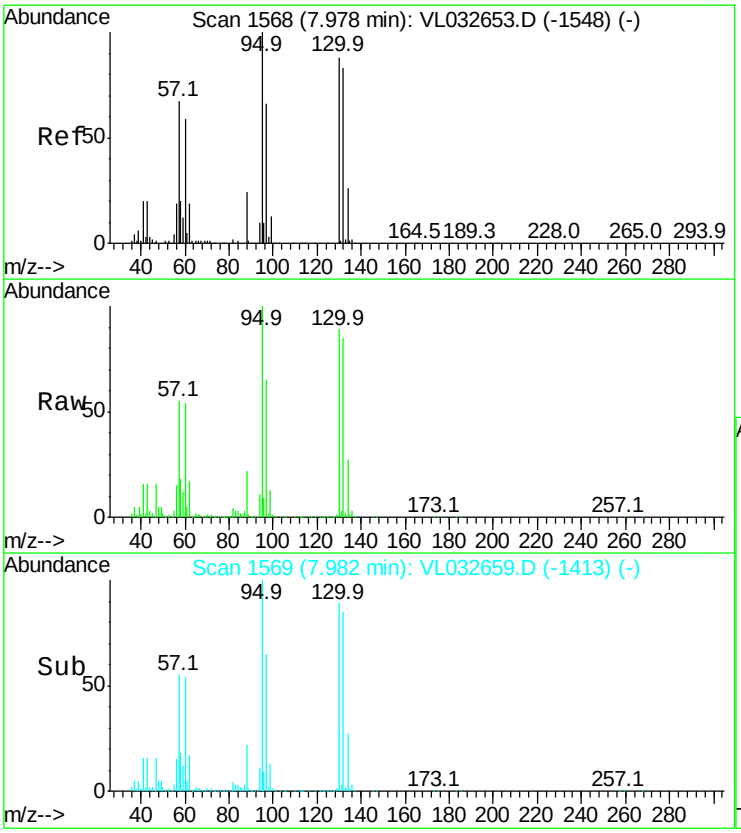
#37
1,2-Dichloroethane
Concen: 12.039 ppbv
RT: 6.43 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 2846841

Ion	Ratio	Lower	Upper
62	100		
98	6.4	4.4	6.6

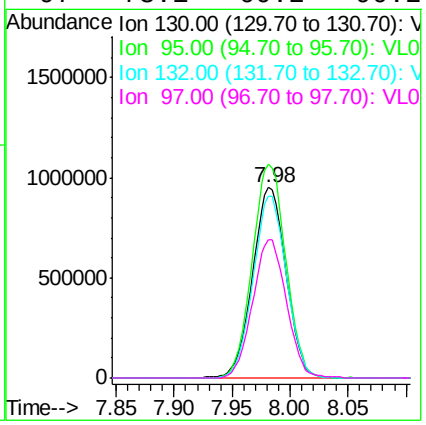


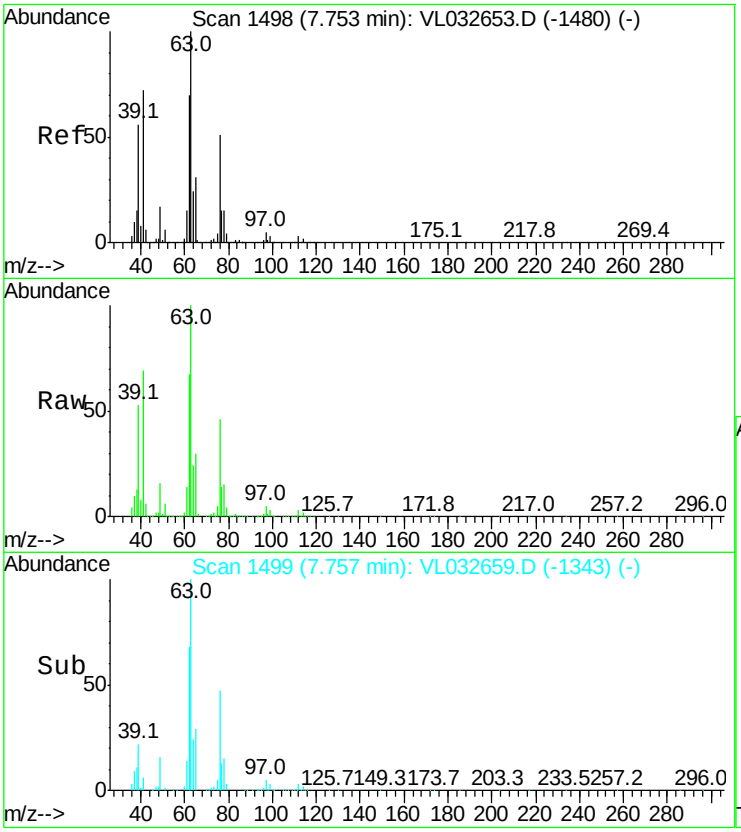


#38
Trichloroethene
Concen: 14.761 ppbv
RT: 7.98 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion:130 Resp: 1913543

Ion	Ratio	Lower	Upper
130	100		
95	112.5	93.4	140.0
132	95.8	76.5	114.7
97	73.1	60.2	90.2



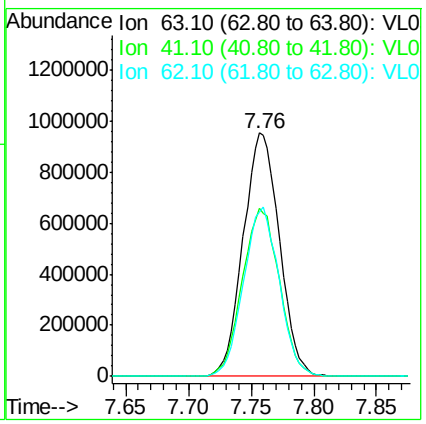


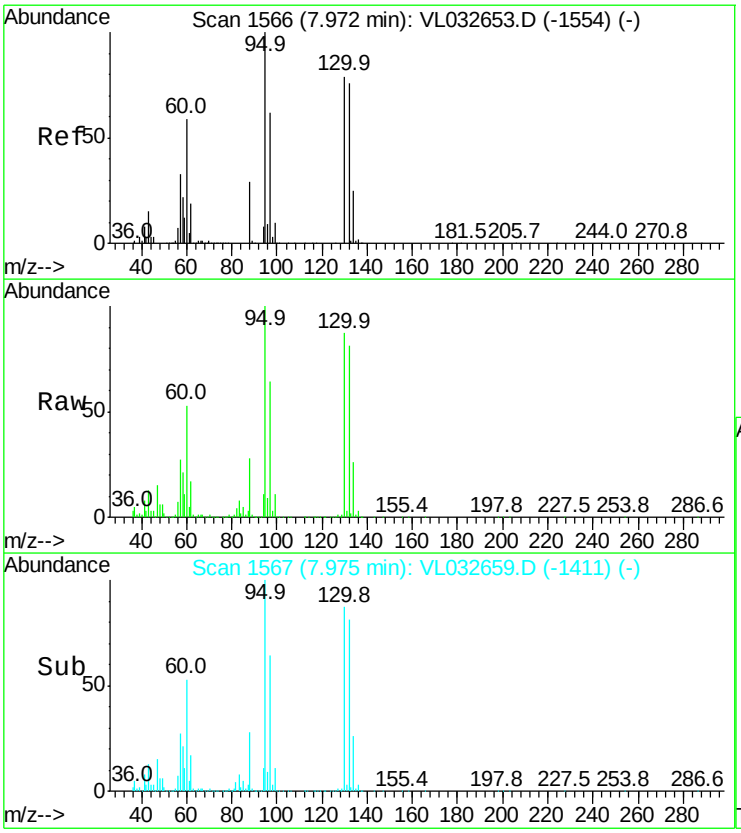
#39
1,2-Dichloropropane
Concen: 13.688 ppbv
RT: 7.76 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 63 Resp: 1919847

Ion	Ratio	Lower	Upper
63	100		
41	68.8	56.2	84.4
62	67.2	54.4	81.6

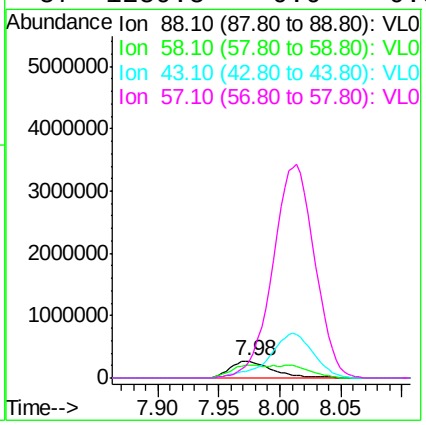


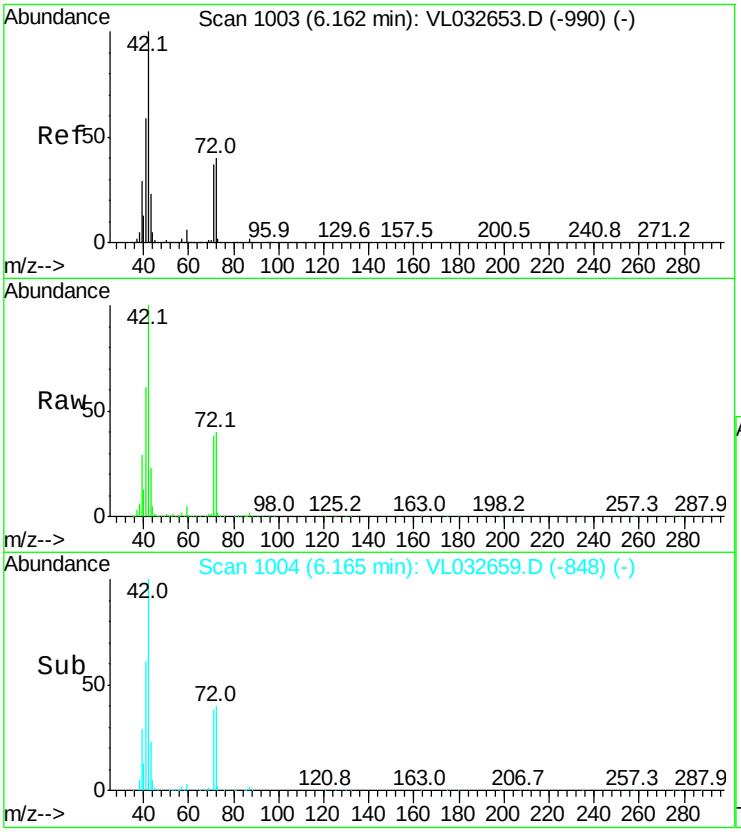


#40
1,4-Dioxane
Concen: 13.465 ppbv
RT: 7.98 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 88 Resp: 652473

Ion	Ratio	Lower	Upper
88	100		
58	131.6	104.0	156.0
43	278.2	0.0	0.0#
57	1259.5	0.0	0.0#



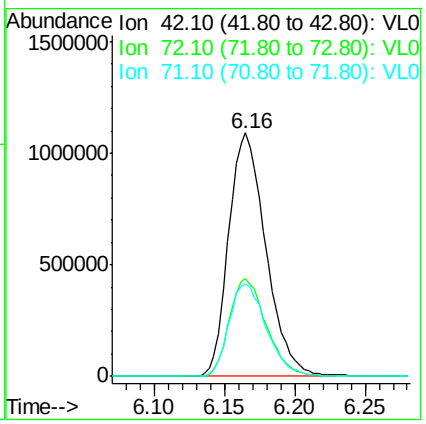


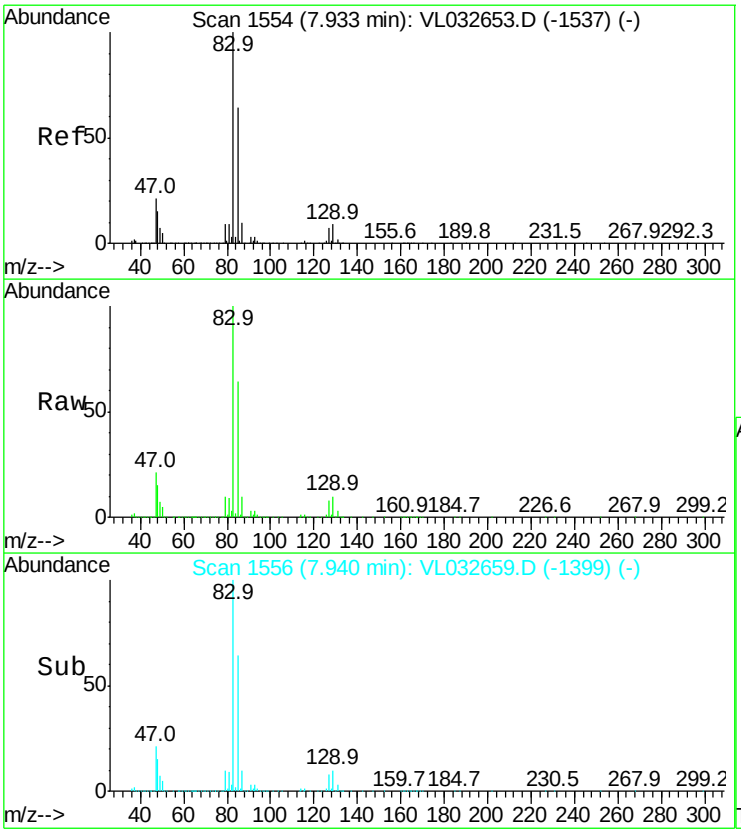
#41
Tetrahydrofuran
Concen: 16.102 ppbv
RT: 6.16 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 42 Resp: 2016937

Ion	Ratio	Lower	Upper
42	100		
72	40.0	32.4	48.6
71	38.4	31.3	46.9

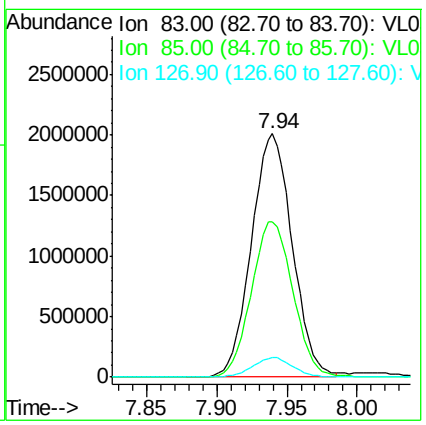


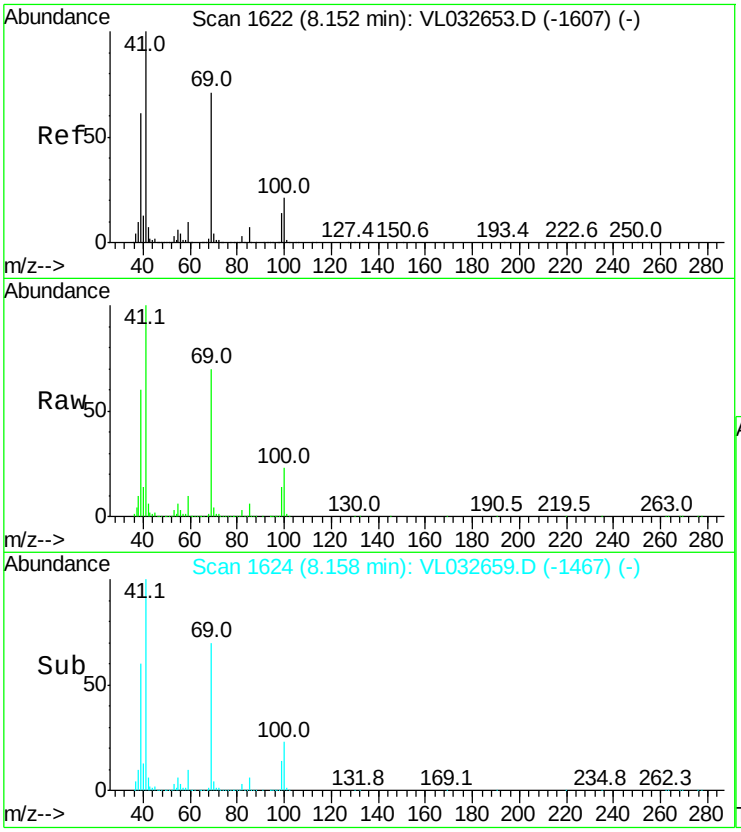


#42
Bromodichloromethane
Concen: 12.607 ppbv
RT: 7.94 min Scan# 1556
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 83 Resp: 4063822

Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.4	78.6
127	8.2	6.1	9.1



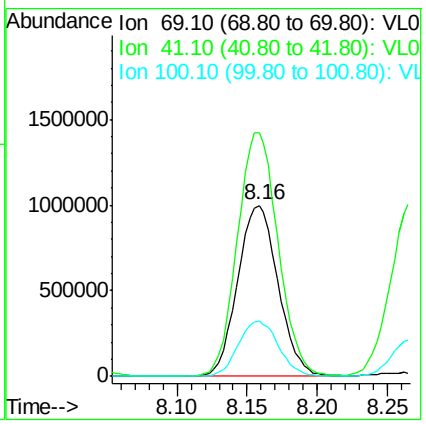


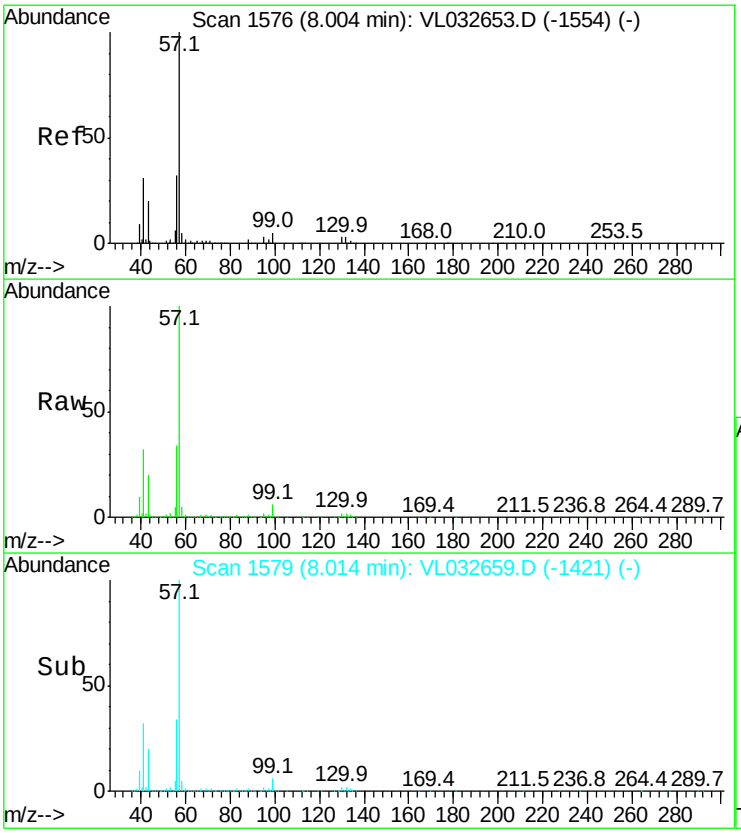
#43
Methyl Methacrylate
Concen: 14.988 ppbv
RT: 8.16 min Scan# 1624
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 69 Resp: 2003683

Ion	Ratio	Lower	Upper
69	100		
41	143.6	113.2	169.8
100	32.5	24.4	36.6

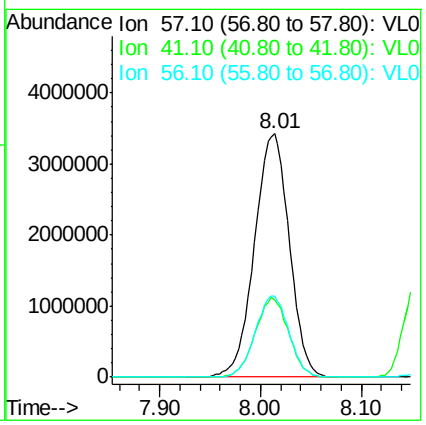


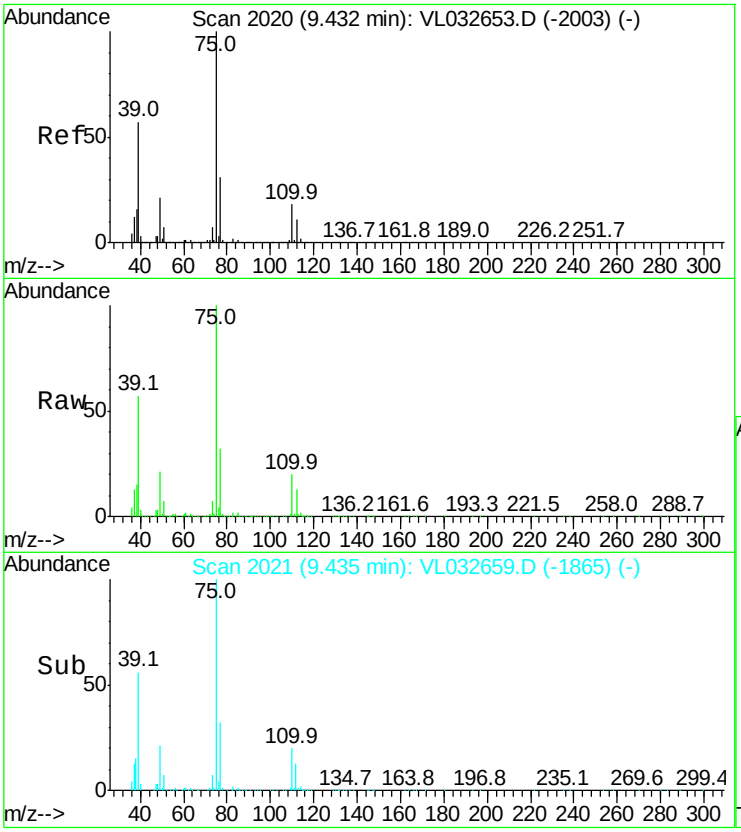


#44
2,2,4-Trimethylpentane
Concen: 13.429 ppbv
RT: 8.01 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 57 Resp: 8208411

Ion	Ratio	Lower	Upper
57	100		
41	31.3	24.7	37.1
56	32.3	25.0	37.4



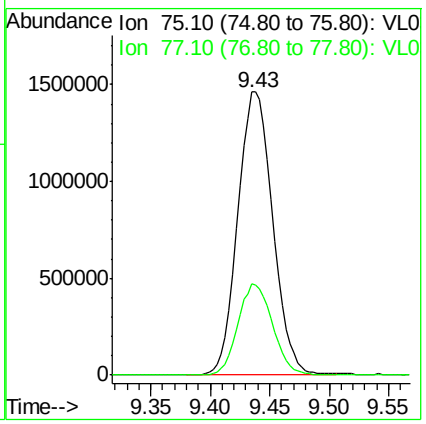


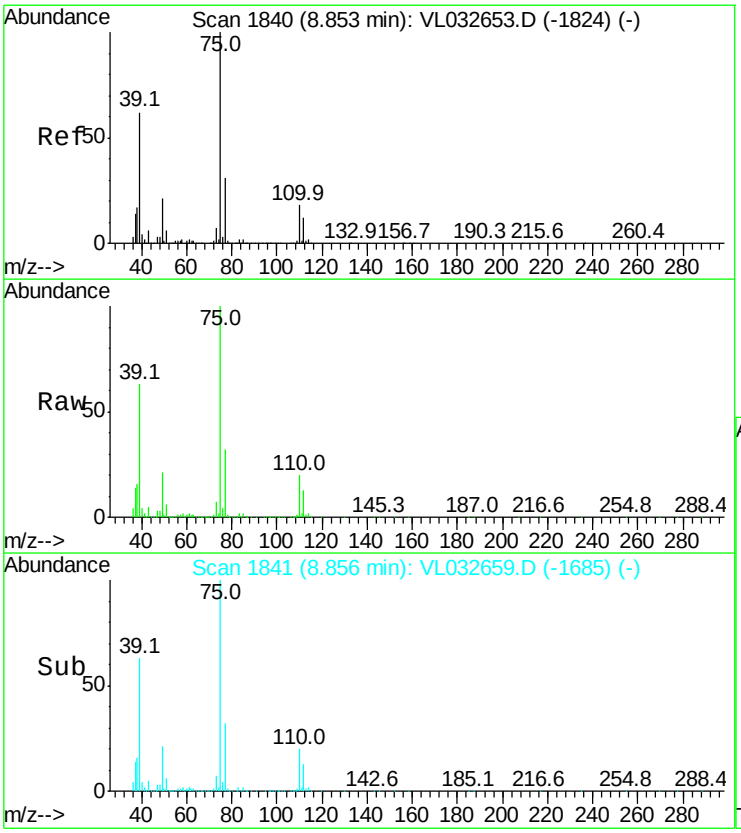
#45
t-1,3-Dichloropropene
Concen: 17.053 ppbv
RT: 9.43 min Scan# 2021
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 75 Resp: 2980826

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.3	37.9

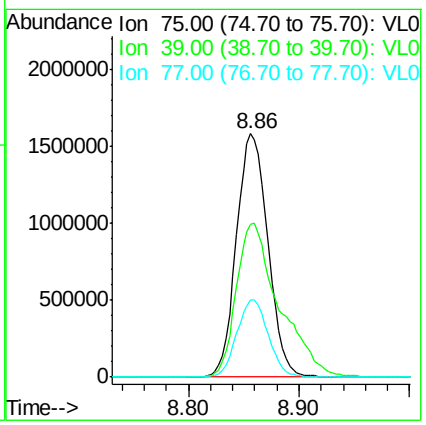


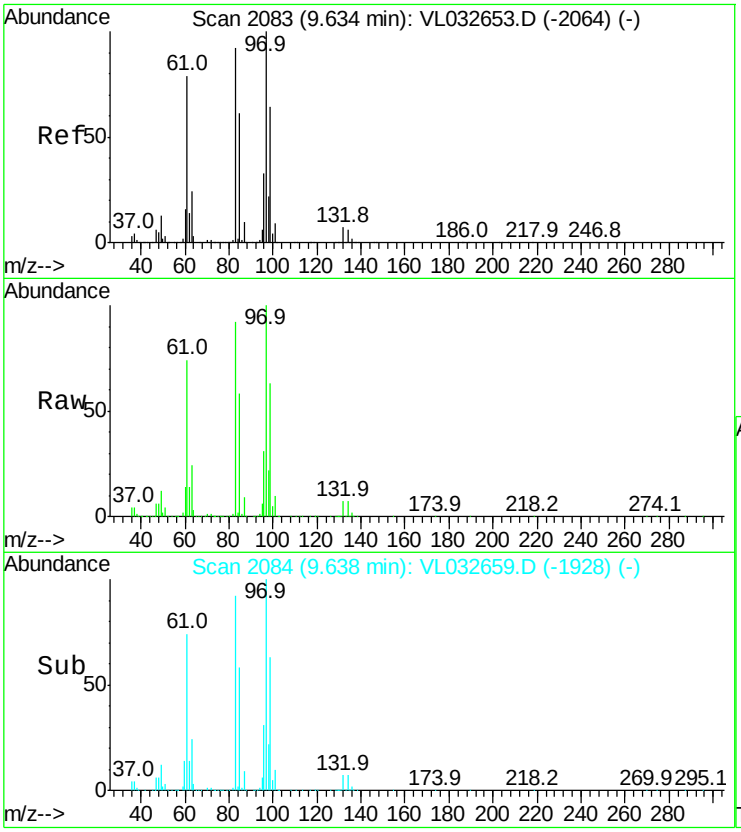


#46
cis-1,3-Dichloropropene
Concen: 15.735 ppbv
RT: 8.86 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 75 Resp: 3131311

Ion	Ratio	Lower	Upper
75	100		
39	62.7	50.9	76.3
77	31.5	25.8	38.6



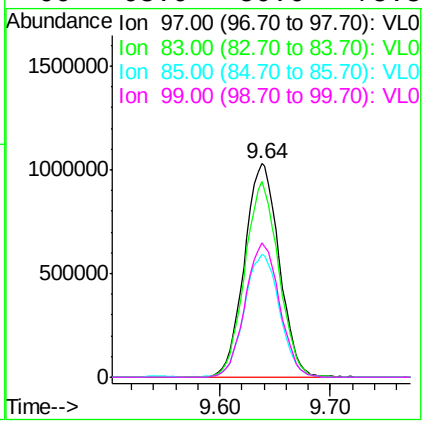


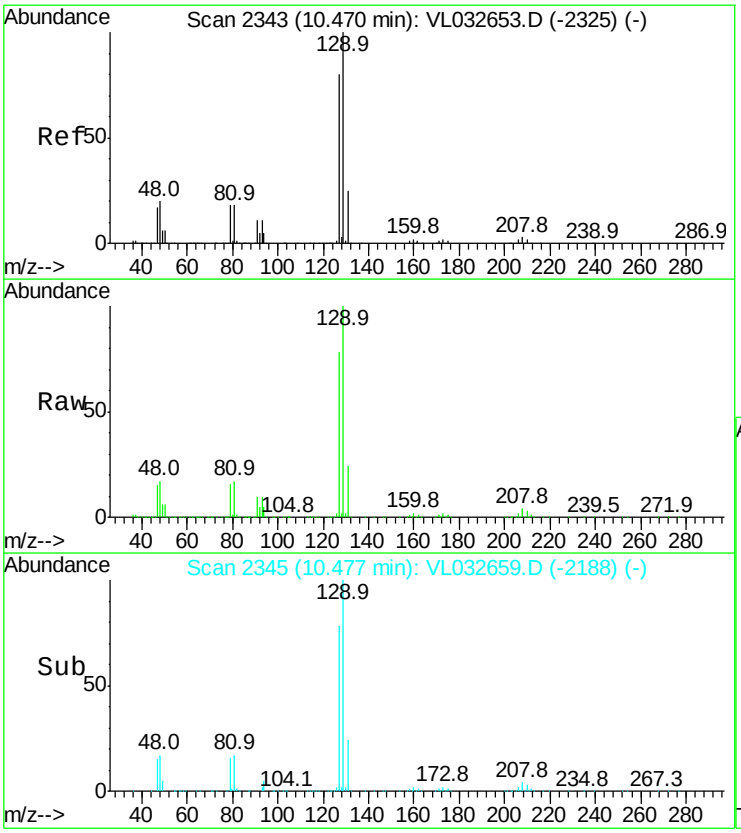
#47
1,1,2-Trichloroethane
Concen: 13.408 ppbv
RT: 9.64 min Scan# 2084
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 97 Resp: 2247290

Ion	Ratio	Lower	Upper
97	100		
83	91.5	73.5	110.3
85	57.4	45.8	68.6
99	63.0	50.6	75.8

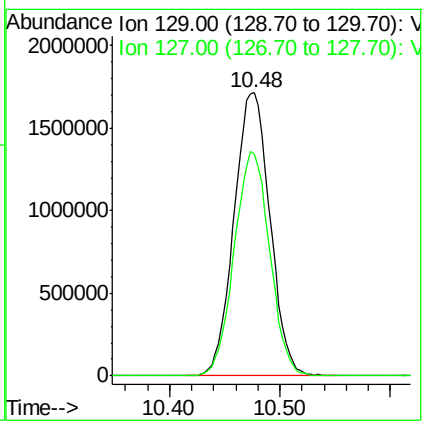


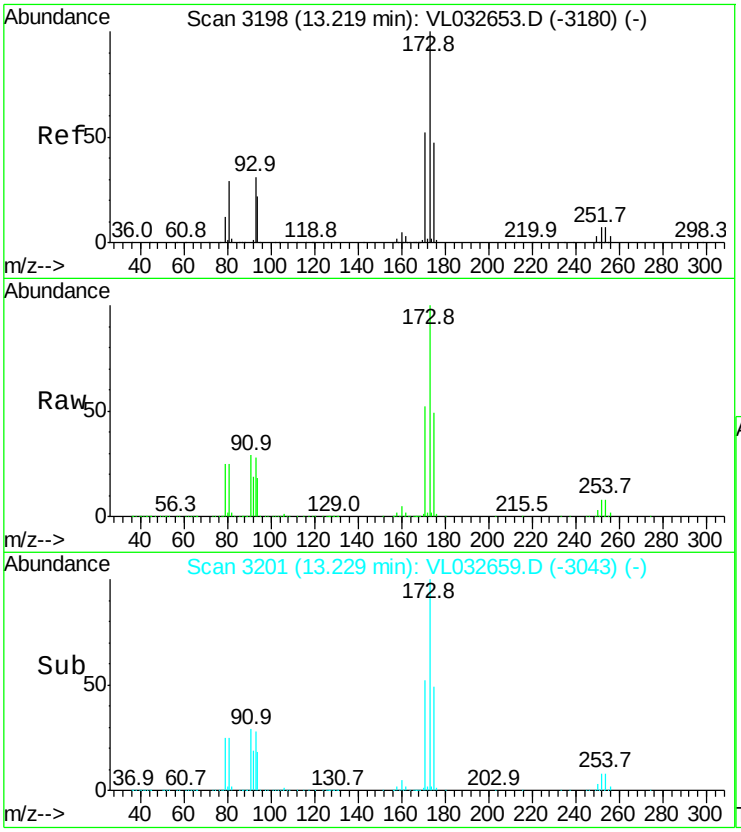


#48
Dibromochloromethane
Concen: 13.615 ppbv
RT: 10.48 min Scan# 2345
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion:129 Resp: 3875905

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.5



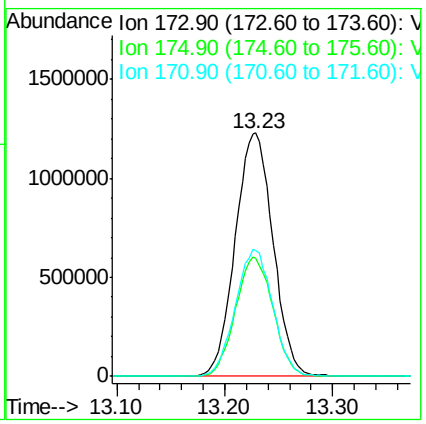


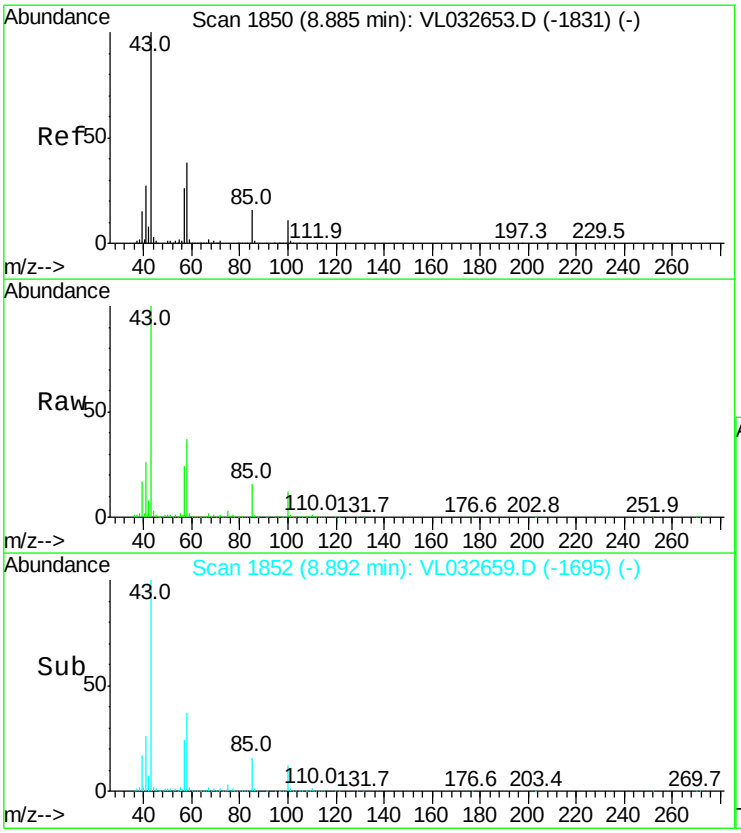
#49
Bromoform
Concen: 13.928 ppbv
RT: 13.23 min Scan# 3201
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:173 Resp: 2996071

Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.0	58.4
171	51.6	42.2	63.2

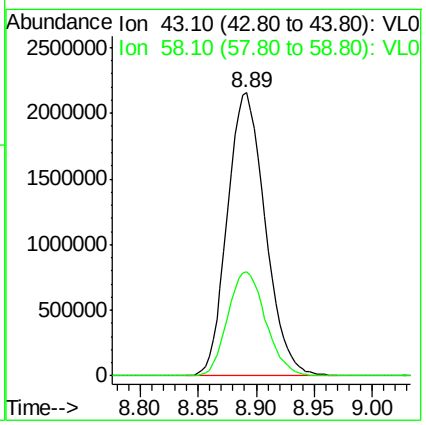


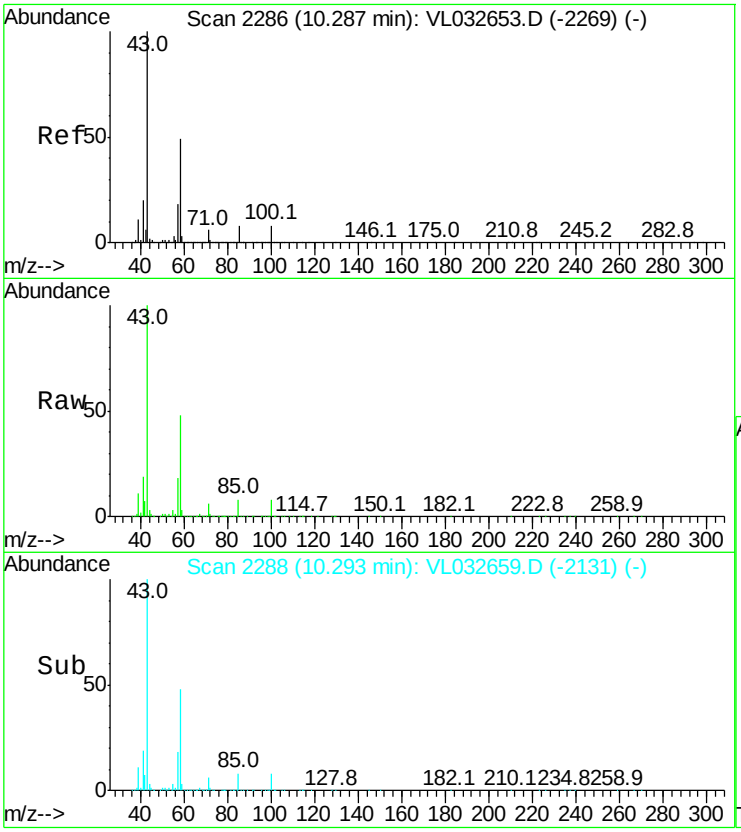


#50
4-Methyl-2-Pentanone
Concen: 14.067 ppbv
RT: 8.89 min Scan# 1852
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 43 Resp: 4888081

Ion	Ratio	Lower	Upper
43	100		
58	37.0	29.7	44.5



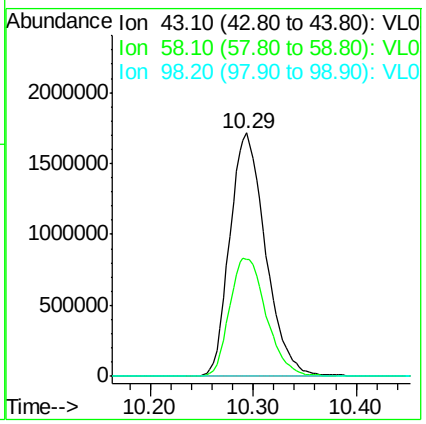


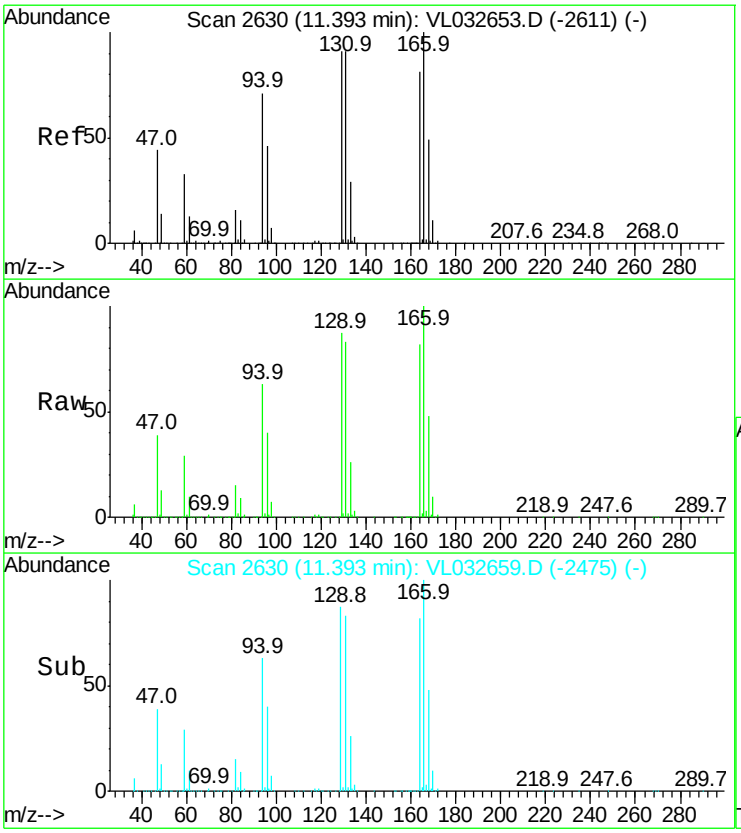
#51
2-Hexanone
Concen: 15.148 ppbv
RT: 10.29 min Scan# 2288
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 4139026

Ion	Ratio	Lower	Upper
43	100		
58	50.1	40.4	60.6
98	0.4	0.4	0.6#

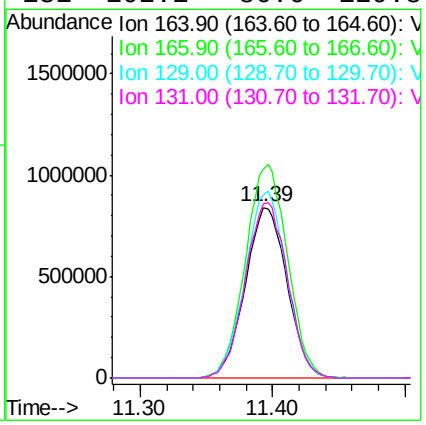


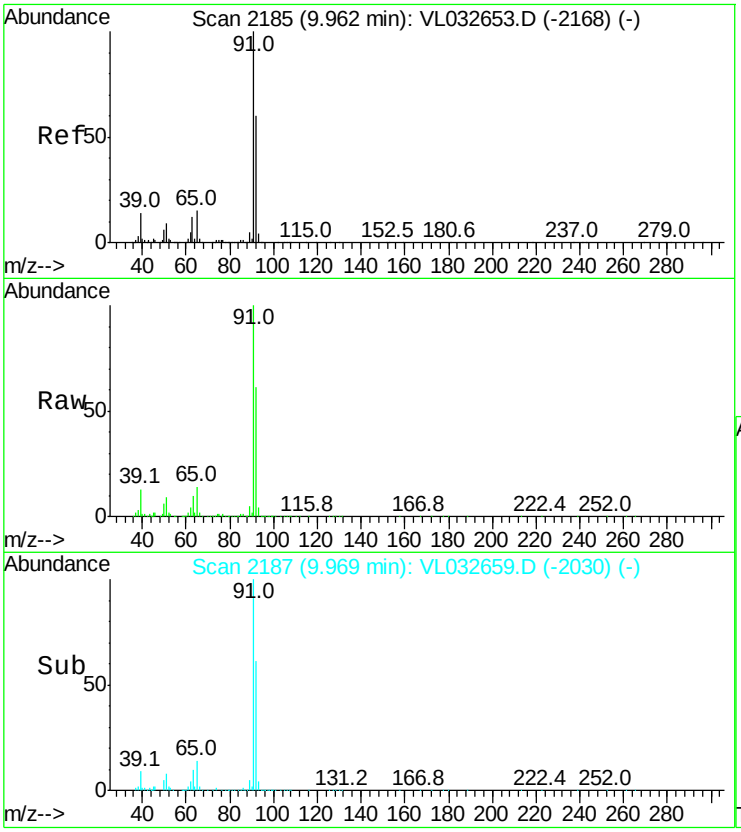


#52
Tetrachloroethene
Concen: 16.218 ppbv
RT: 11.39 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion:164 Resp: 1840837

Ion	Ratio	Lower	Upper
164	100		
166	122.5	100.5	150.7
129	107.2	90.0	135.0
131	102.1	86.6	129.8



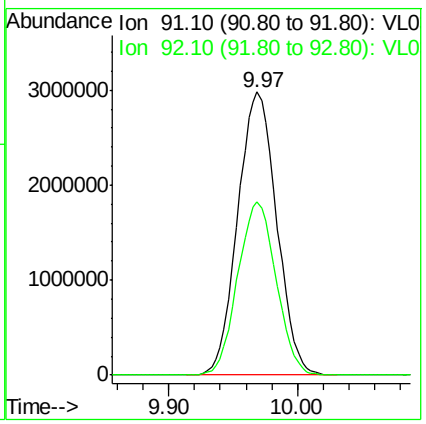


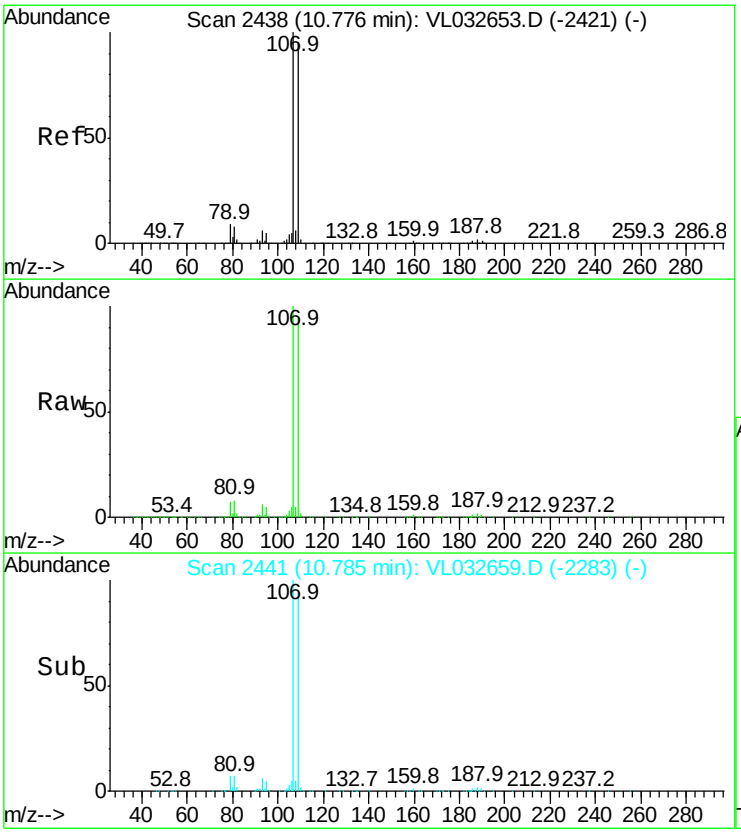
#53
Toluene
Concen: 15.934 ppbv
RT: 9.97 min Scan# 2187
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 6263394

Ion	Ratio	Lower	Upper
91	100		
92	60.5	48.4	72.6

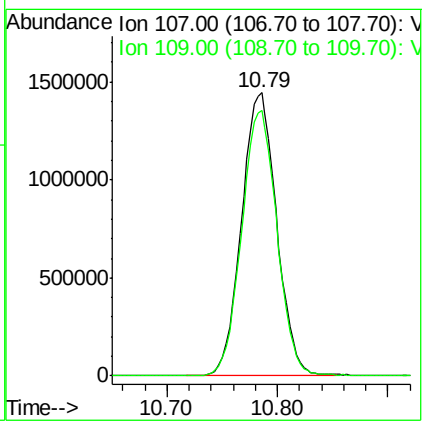


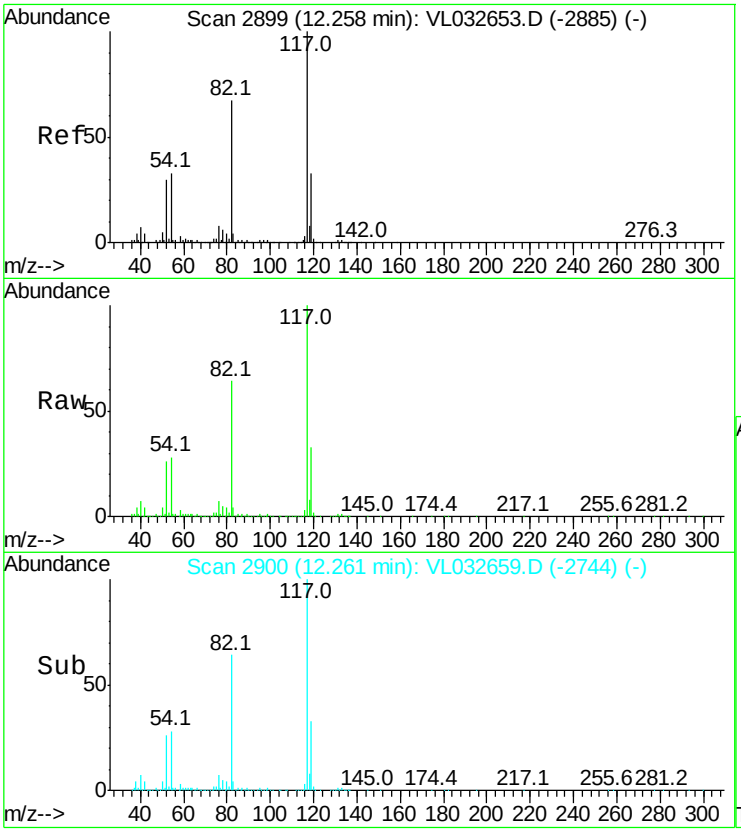


#54
1,2-Dibromoethane
Concen: 13.236 ppbv
RT: 10.79 min Scan# 2441
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion:107 Resp: 3176755

Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.3	112.9



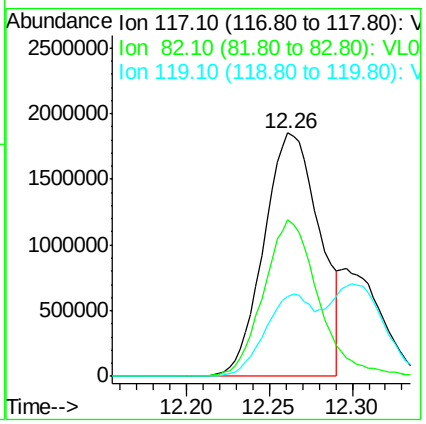


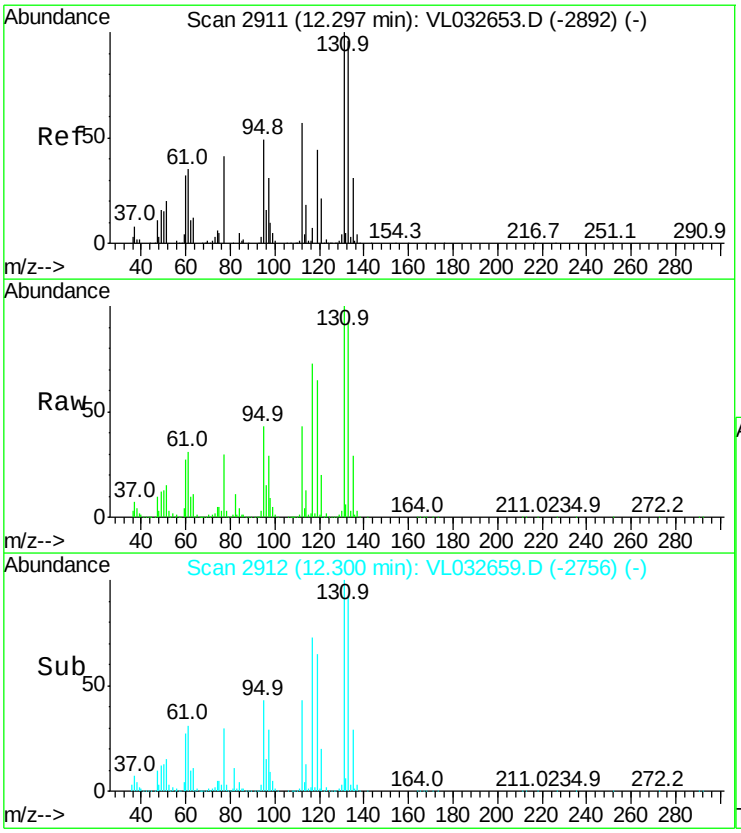
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.26 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 4325221

Ion	Ratio	Lower	Upper
117	100		
82	63.5	52.7	79.1
119	0.0	26.7	40.1#

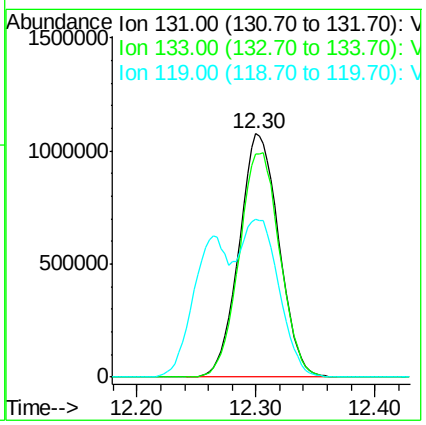


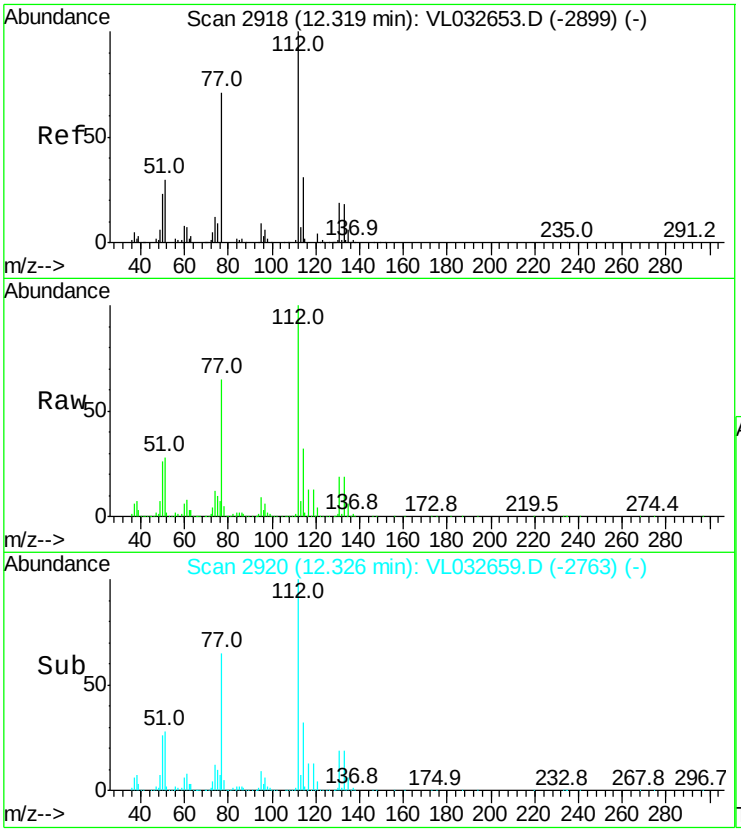


#56
1,1,1,2-Tetrachloroethane
Concen: 12.527 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion:131 Resp: 2488020

Ion	Ratio	Lower	Upper
131	100		
133	94.6	75.4	113.2
119	117.5	49.1	73.7#



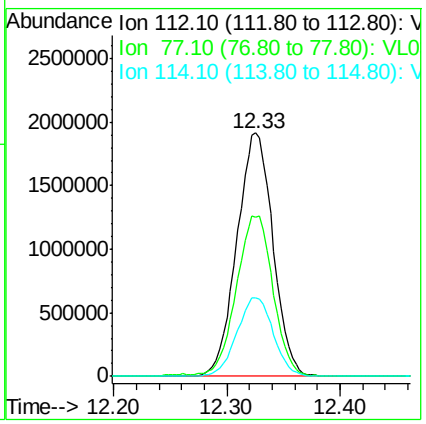


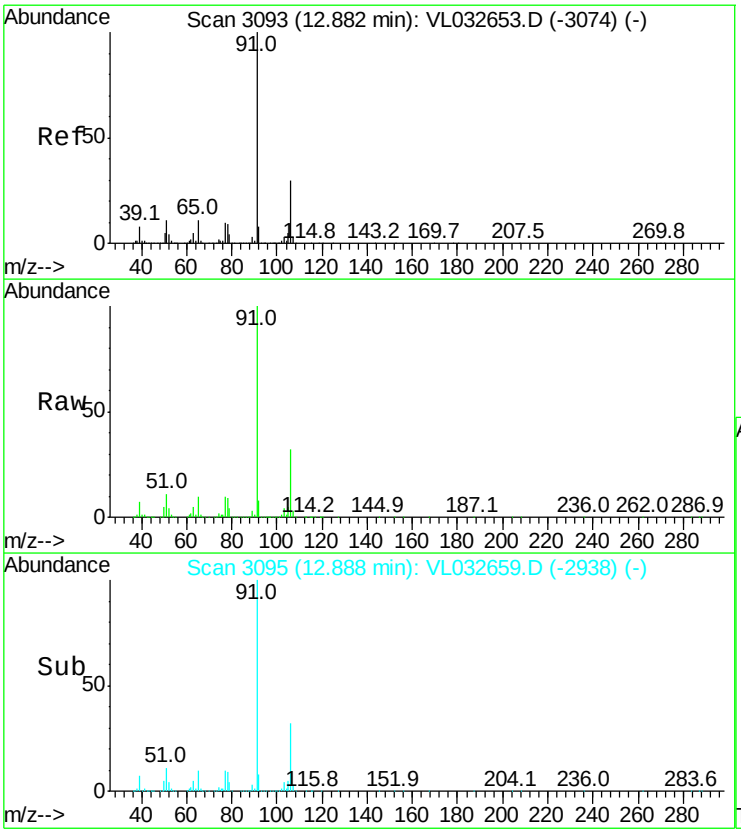
#57
Chlorobenzene
Concen: 12.921 ppbv
RT: 12.33 min Scan# 2920
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:112 Resp: 4250313

Ion	Ratio	Lower	Upper
112	100		
77	65.3	56.8	85.2
114	32.4	30.3	37.1

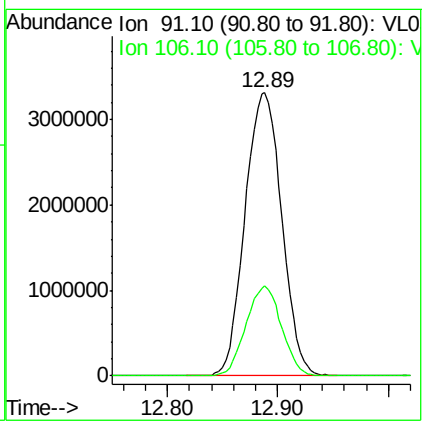


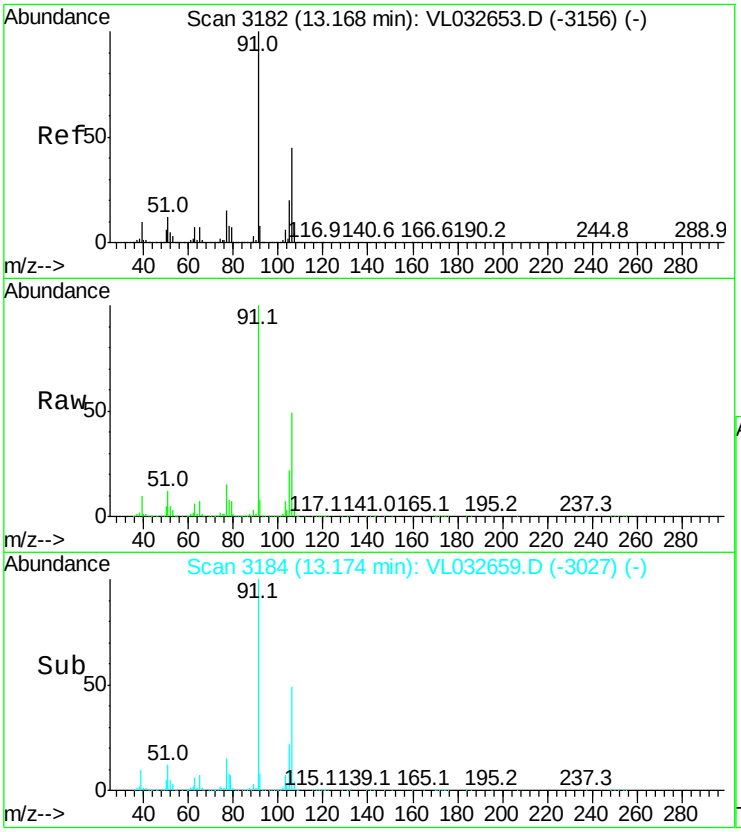


#58
Ethyl Benzene
Concen: 15.716 ppbv
RT: 12.89 min Scan# 3095
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 91 Resp: 7633792

Ion	Ratio	Lower	Upper
91	100		
106	31.8	24.2	36.2



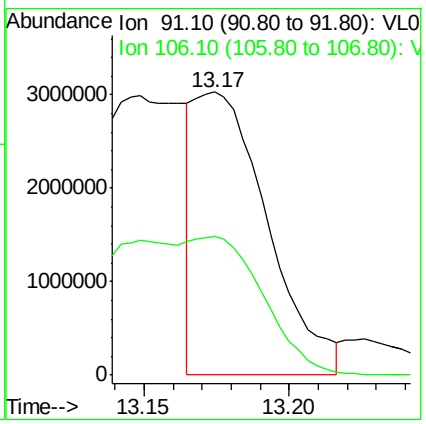


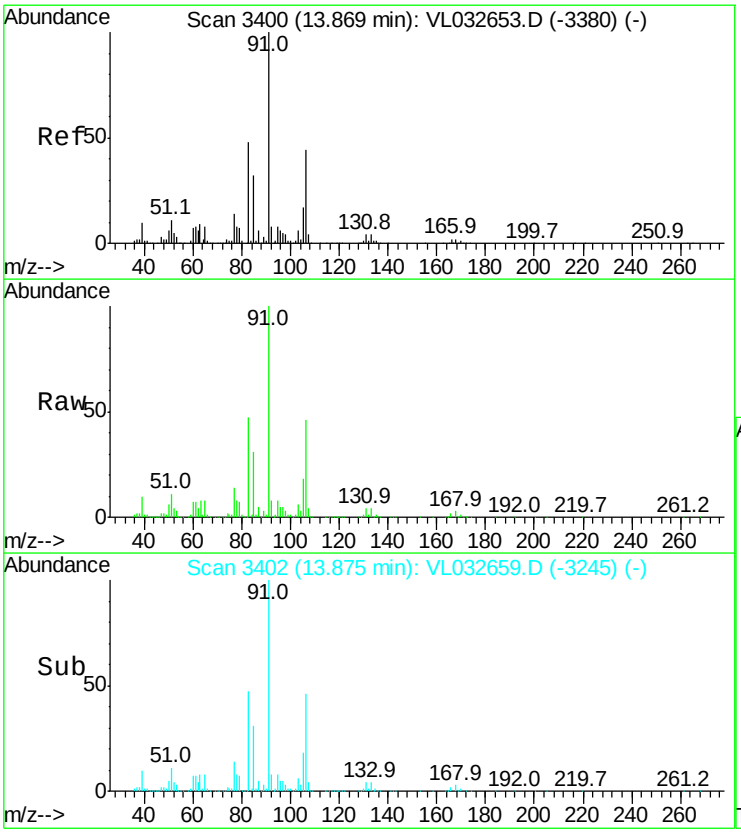
#59
m/p-Xylene
Concen: 12.147 ppbv
RT: 13.17 min Scan# 3184
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 91 Resp: 5266897

Ion	Ratio	Lower	Upper
91	100		
106	111.4	35.9	53.9#

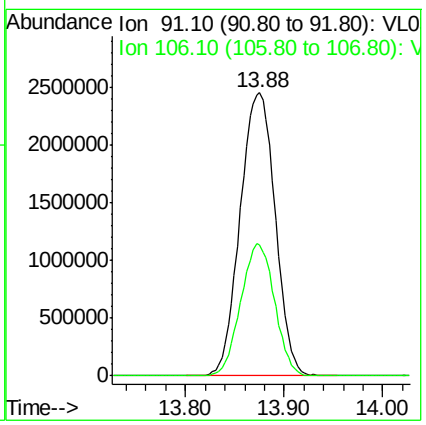


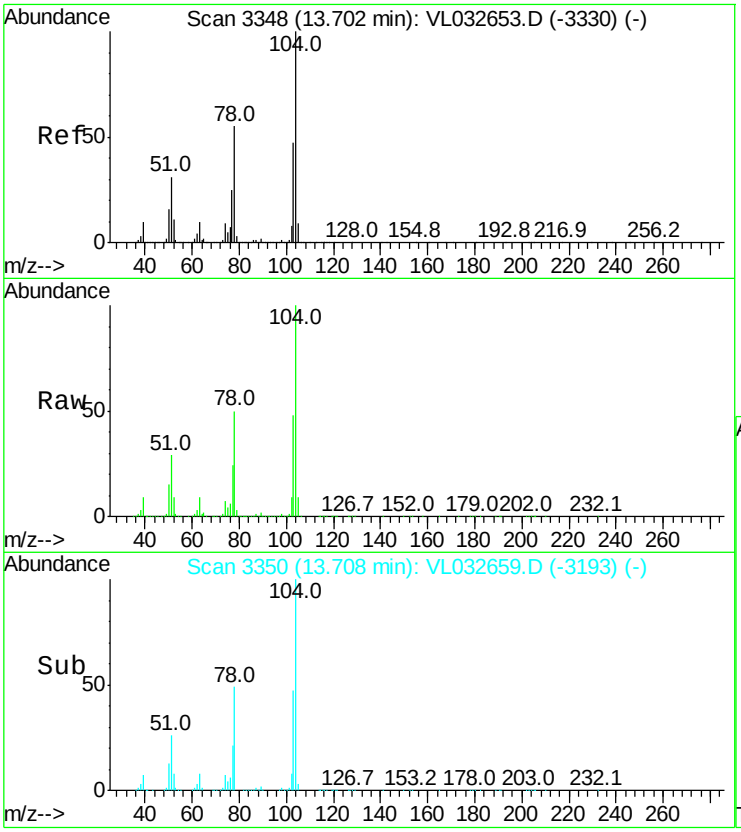


#60
o-Xylene
Concen: 13.957 ppbv
RT: 13.88 min Scan# 3402
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 91 Resp: 6030256

Ion	Ratio	Lower	Upper
91	100		
106	45.0	22.1	66.1



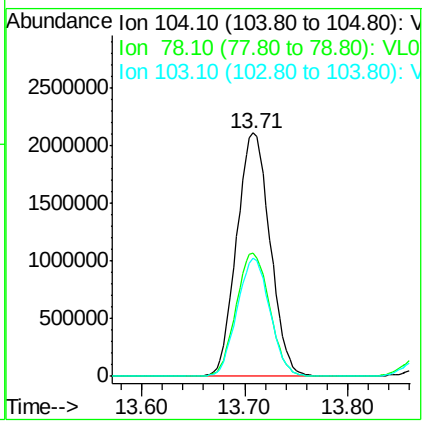


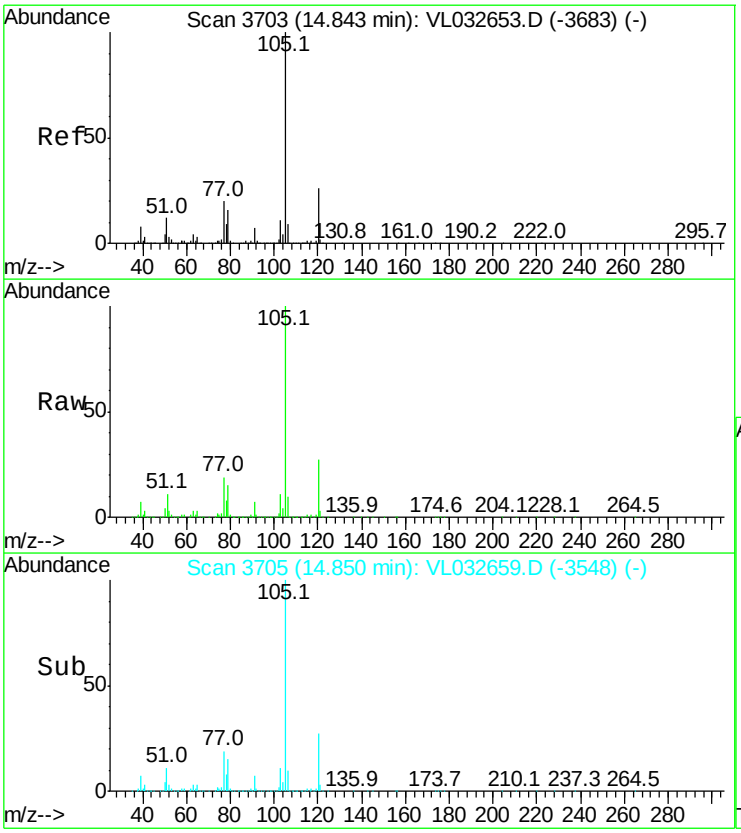
#61
Styrene
Concen: 18.176 ppbv
RT: 13.71 min Scan# 3350
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:104 Resp: 4759401

Ion	Ratio	Lower	Upper
104	100		
78	50.9	42.8	64.2
103	47.7	37.4	56.0

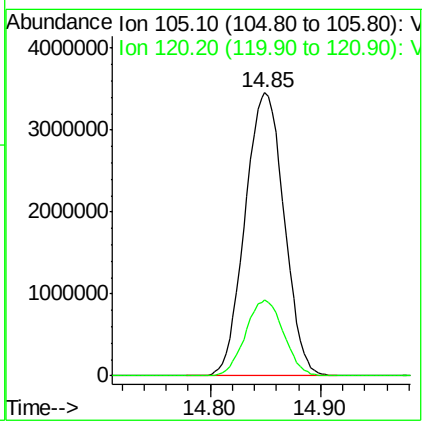


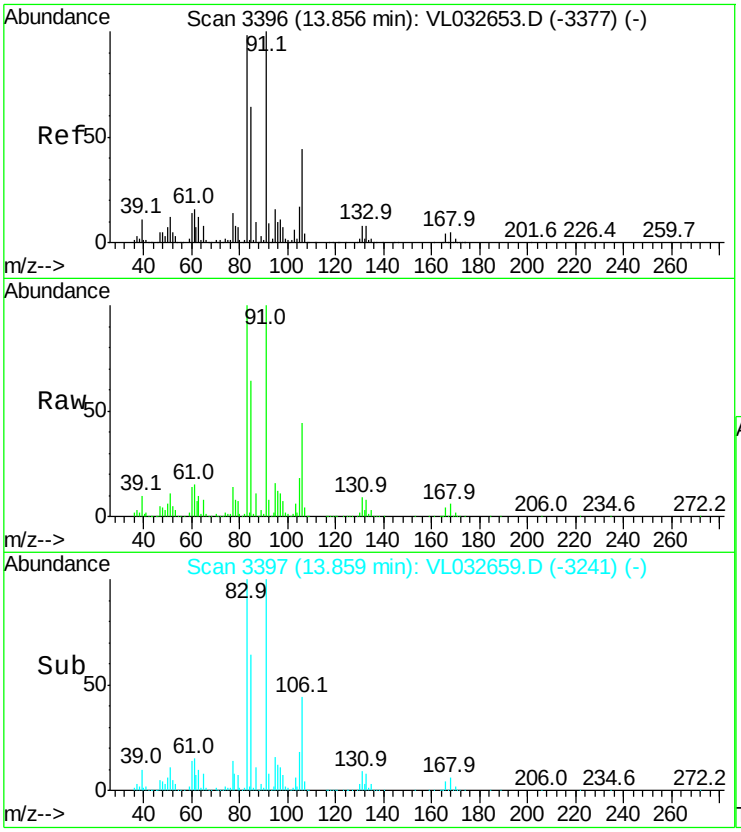


#62
Isopropylbenzene
Concen: 13.783 ppbv
RT: 14.85 min Scan# 3705
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion:105 Resp: 8483779

Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.5	30.7



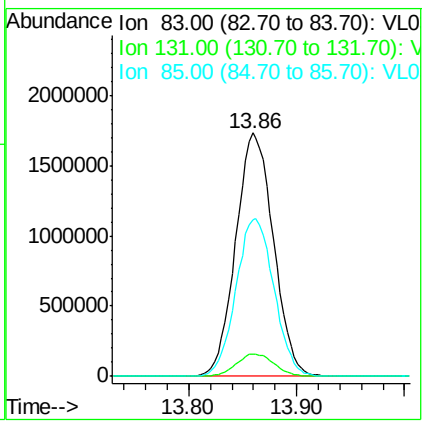


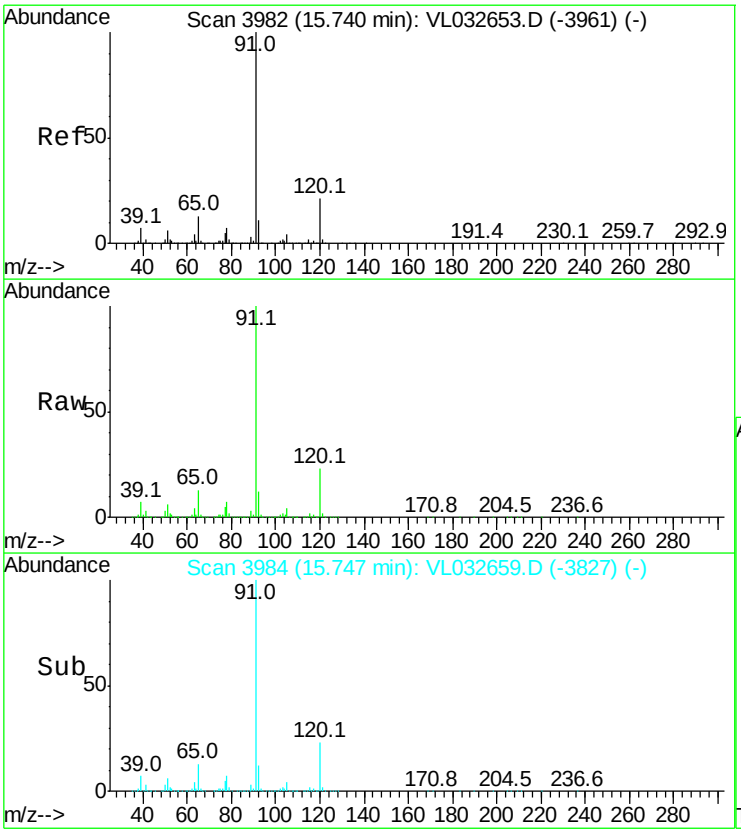
#63
1,1,2,2-Tetrachloroethane
Concen: 11.048 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 4212783

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.3	12.9
85	65.4	32.3	96.9

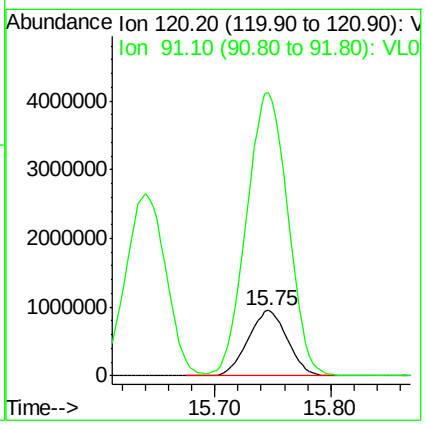


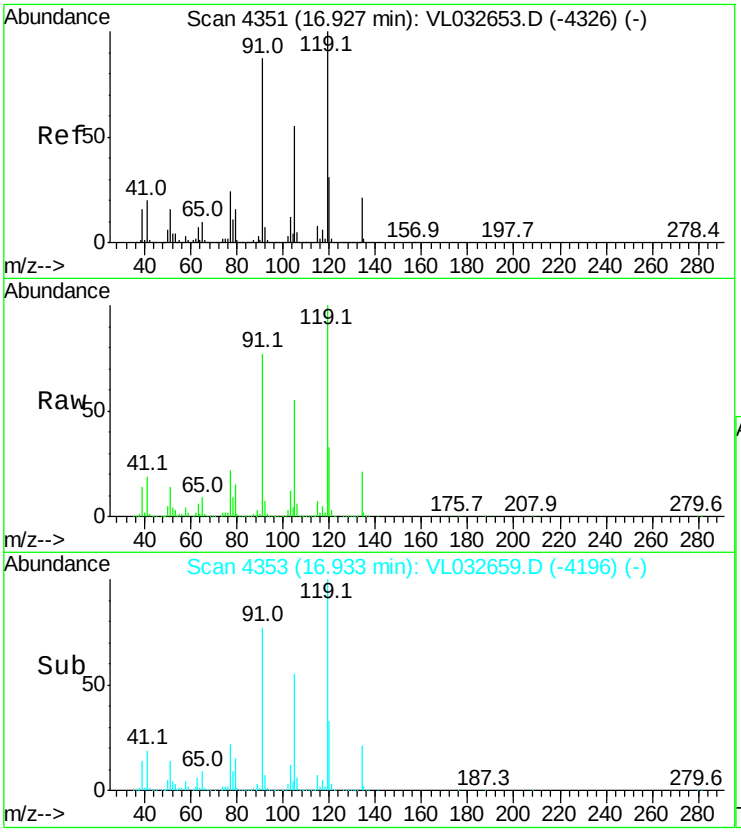


#64
n-propylbenzene
Concen: 14.292 ppbv
RT: 15.75 min Scan# 3984
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion:120 Resp: 2229257

Ion	Ratio	Lower	Upper
120	100		
91	458.9	390.2	585.2



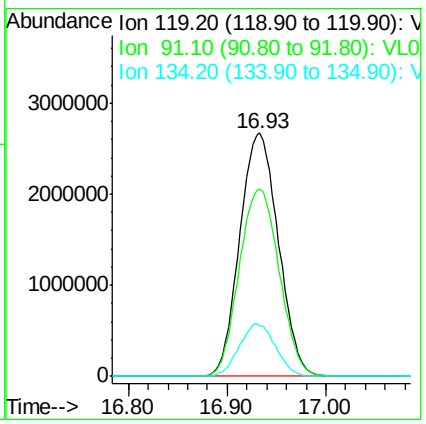


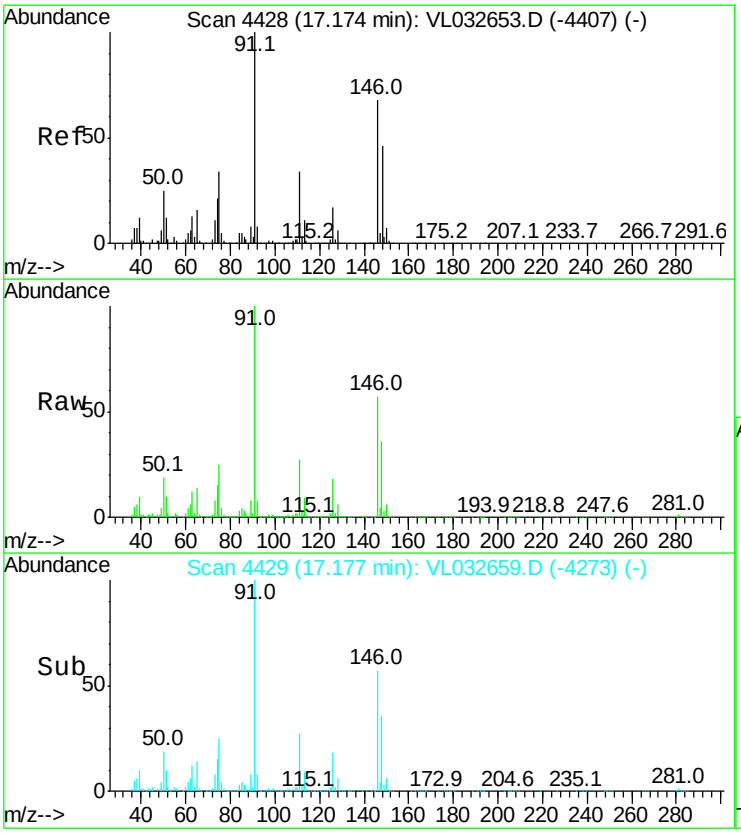
#65
tert-Butylbenzene
Concen: 13.826 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 7221049

Ion	Ratio	Lower	Upper
119	100		
91	79.9	67.8	101.8
134	20.3	15.8	23.8

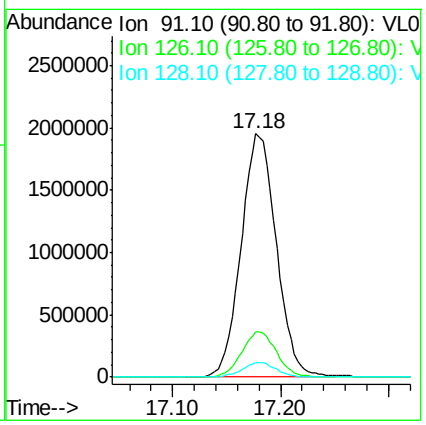


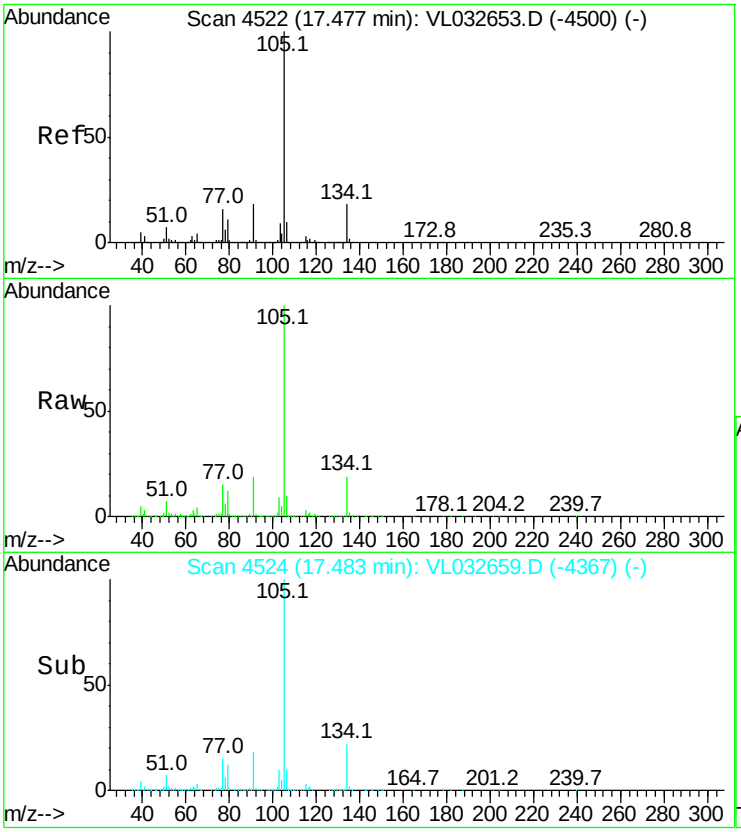


#66
Benzyl Chloride
Concen: 15.022 ppbv
RT: 17.18 min Scan# 4429
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 91 Resp: 4423604

Ion	Ratio	Lower	Upper
91	100		
126	18.5	13.9	20.9
128	5.9	4.3	6.5



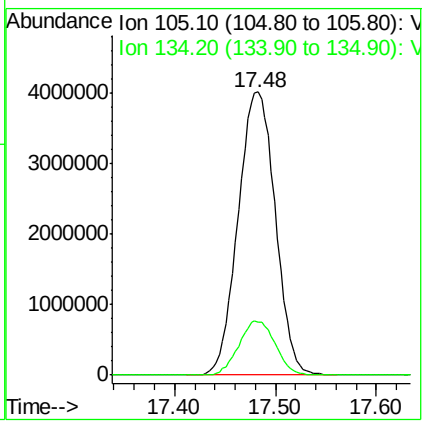


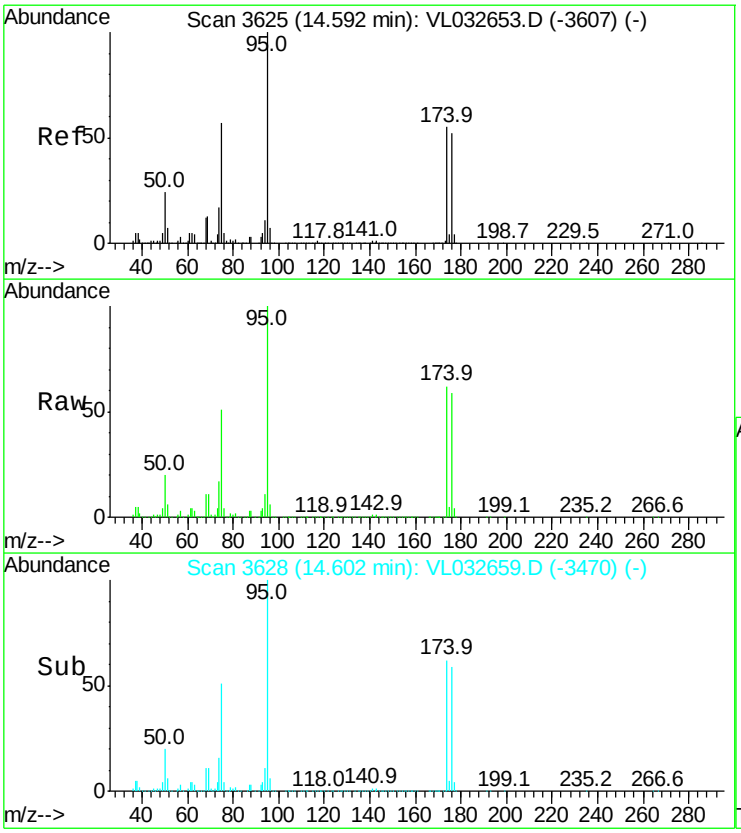
#67
sec-Butylbenzene
Concen: 13.075 ppbv
RT: 17.48 min Scan# 4524
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp:10277831

Ion	Ratio	Lower	Upper
105	100		
134	18.7	14.2	21.2

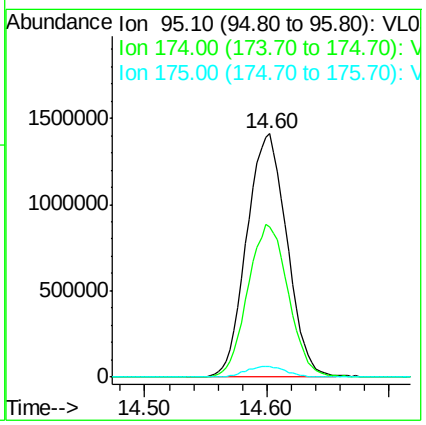


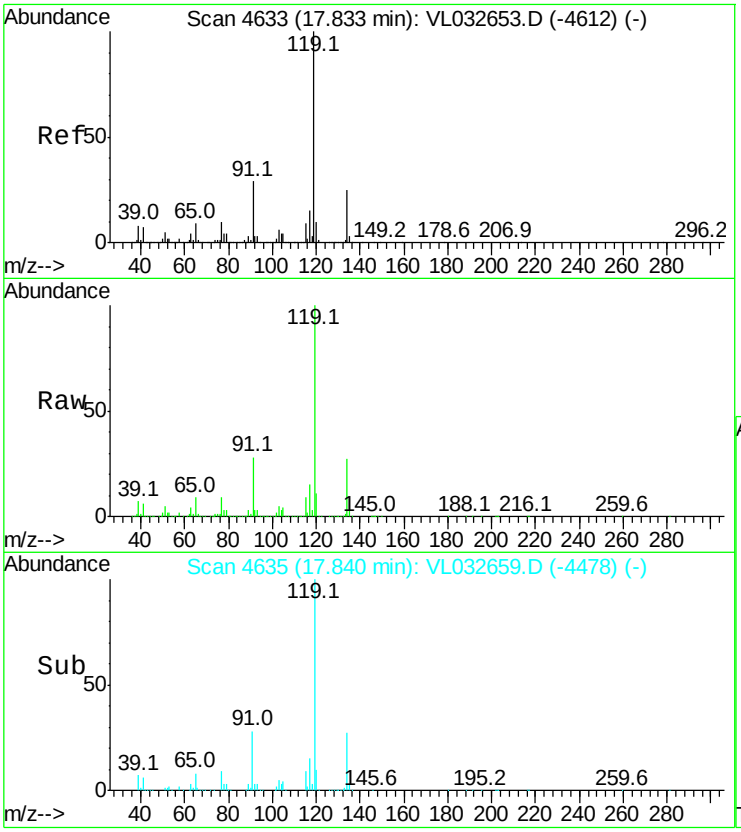


#68
1-Bromo-4-Fluorobenzene
Concen: 9.865 ppbv
RT: 14.60 min Scan# 3628
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 95 Resp: 3212894

Ion	Ratio	Lower	Upper
95	100		
174	63.5	46.0	69.0
175	4.6	3.4	5.0



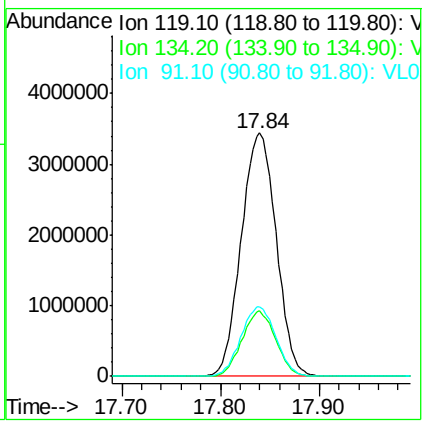


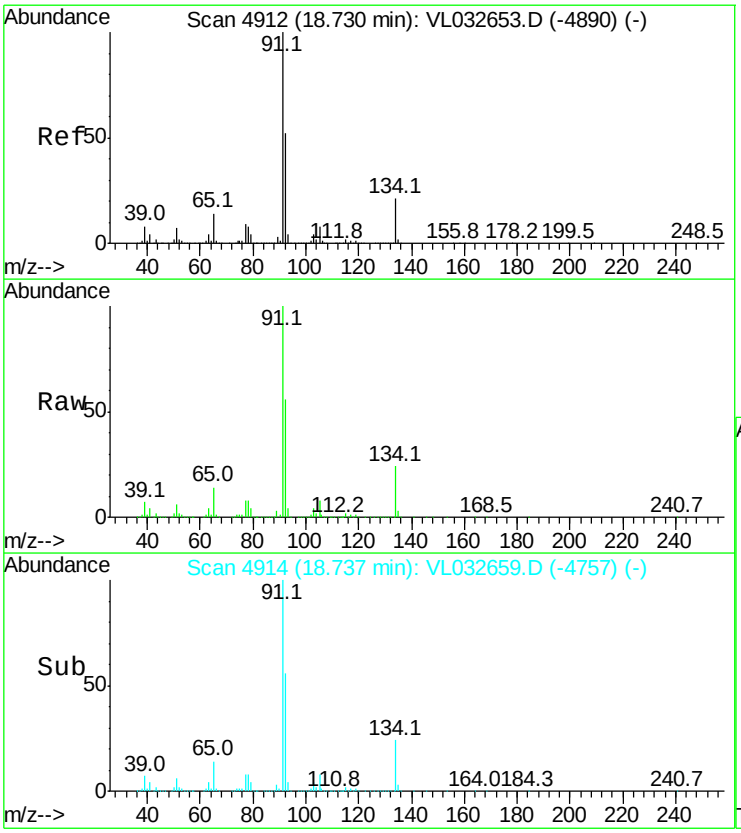
#69
p-Isopropyltoluene
Concen: 14.166 ppbv
RT: 17.84 min Scan# 4635
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 8428309

Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.2	30.2
91	28.5	24.0	36.0

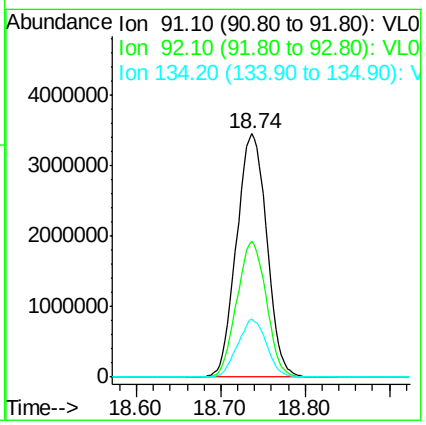


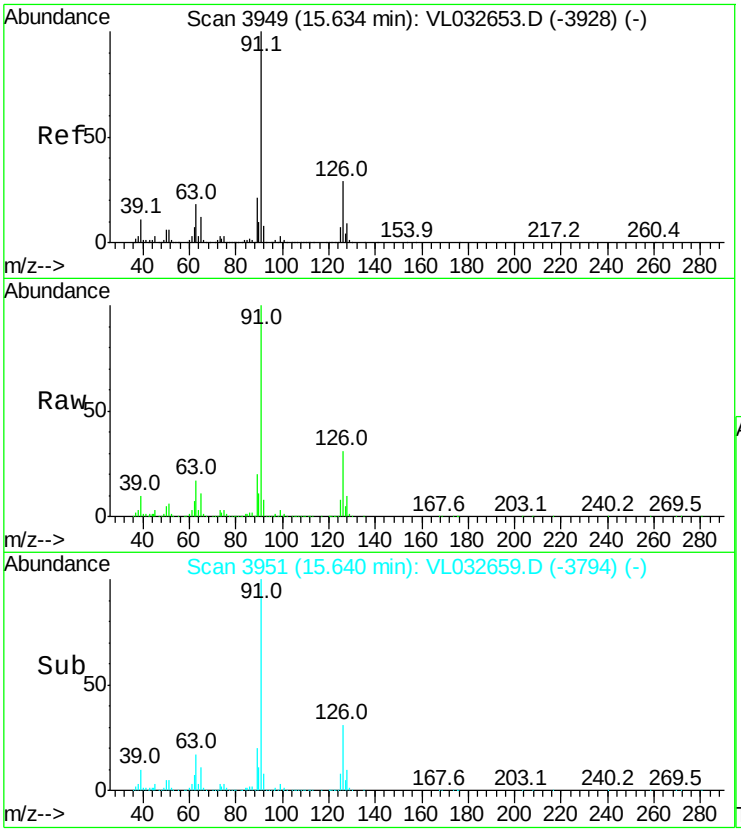


#70
n-Butylbenzene
Concen: 13.139 ppbv
RT: 18.74 min Scan# 4914
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion: 91 Resp: 8612259

Ion	Ratio	Lower	Upper
91	100		
92	54.6	43.0	64.4
134	22.8	17.0	25.6



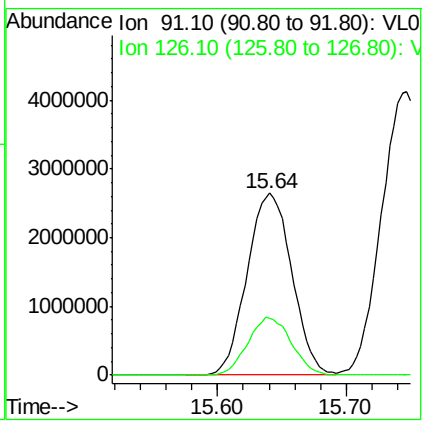


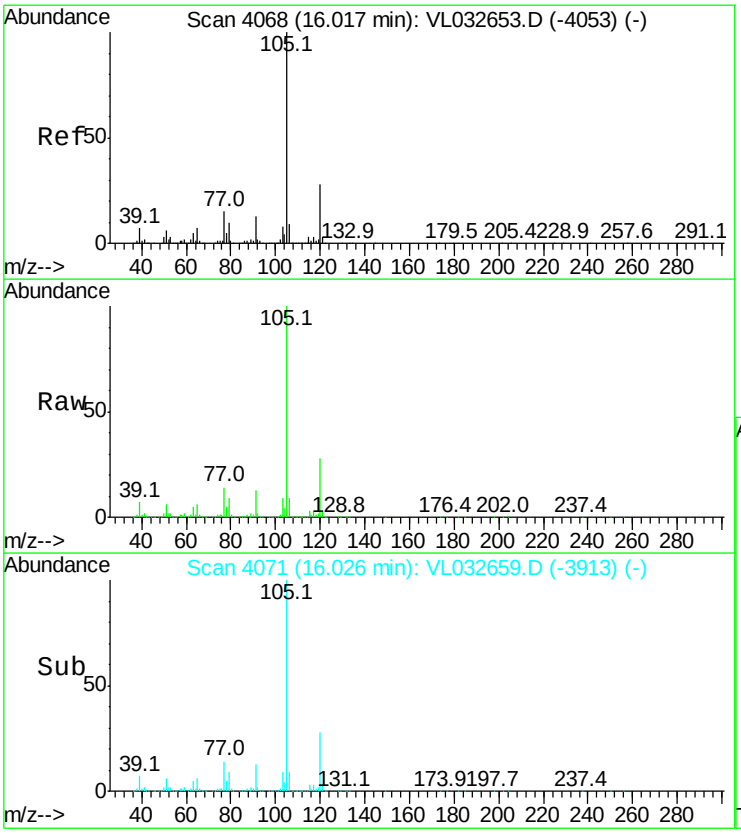
#71
2-Chlorotoluene
Concen: 14.044 ppbv
RT: 15.64 min Scan# 3951
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 6390241

Ion	Ratio	Lower	Upper
91	100		
126	31.0	11.8	47.4

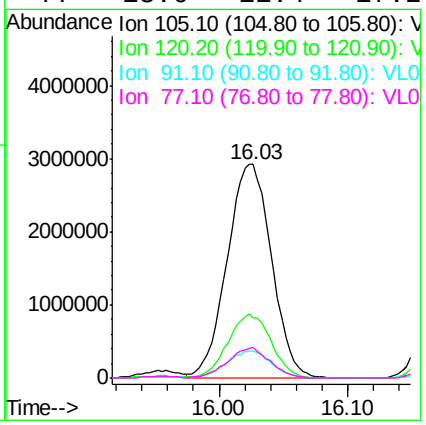


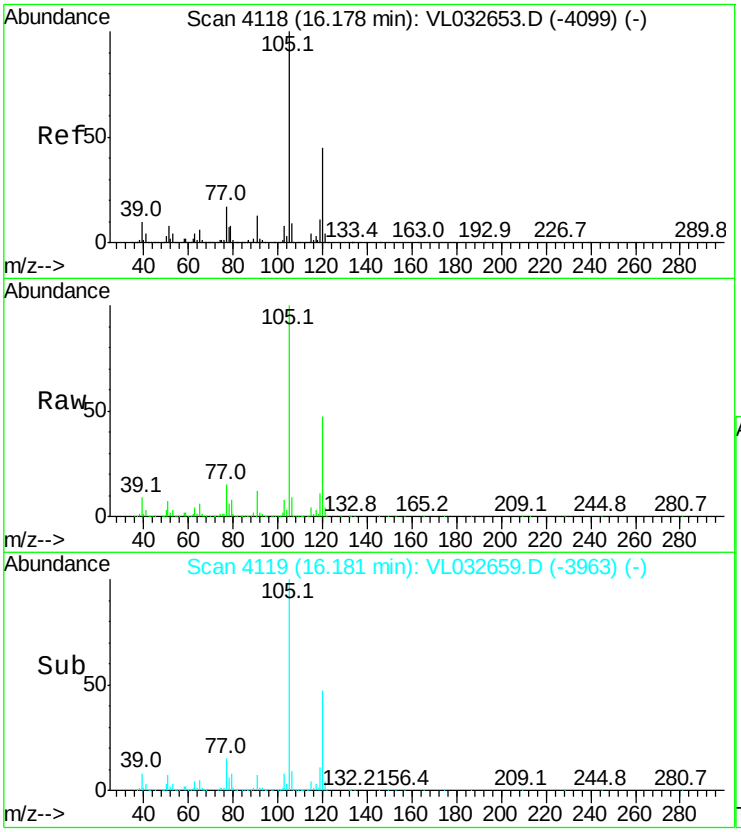


#72
4-Ethyltoluene
Concen: 14.883 ppbv
RT: 16.03 min Scan# 4071
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion:105 Resp: 6951575

Ion	Ratio	Lower	Upper
105	100		
120	29.3	23.7	35.5
91	12.6	10.4	15.6
77	13.6	11.4	17.2



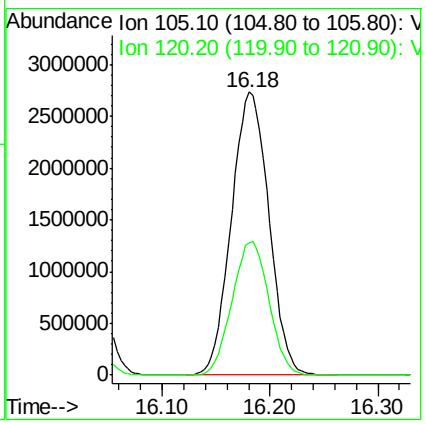


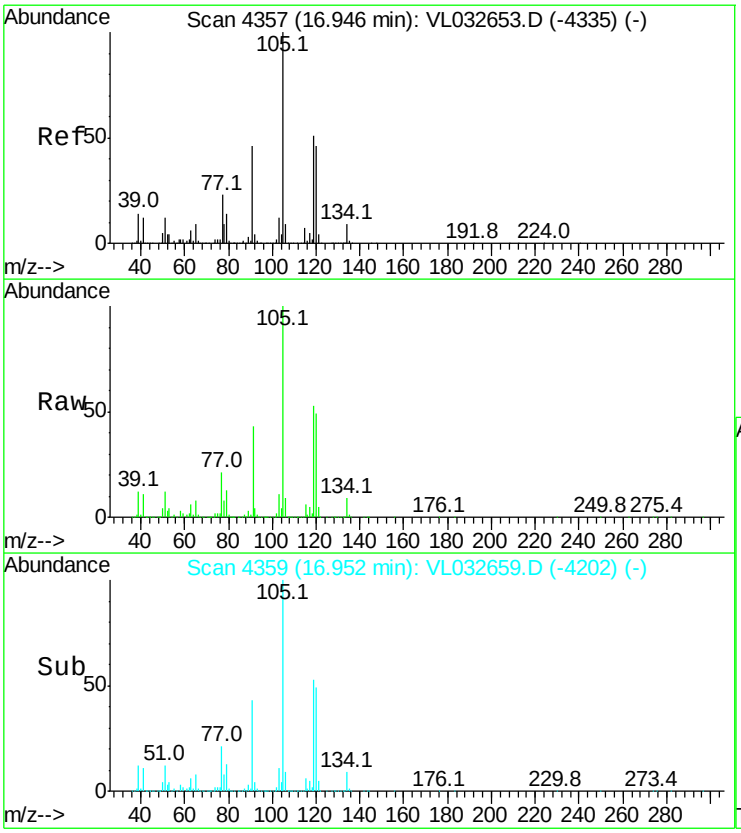
#73
1,3,5-Trimethylbenzene
Concen: 14.160 ppbv
RT: 16.18 min Scan# 4119
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 6578265

Ion	Ratio	Lower	Upper
105	100		
120	46.6	35.4	53.2

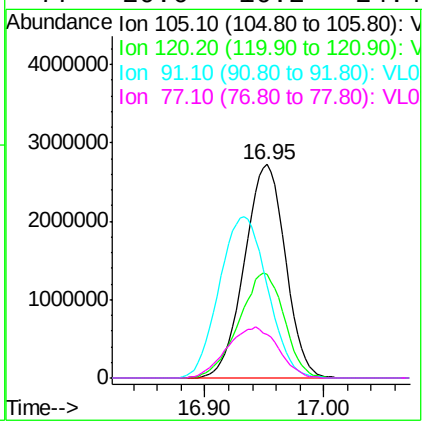


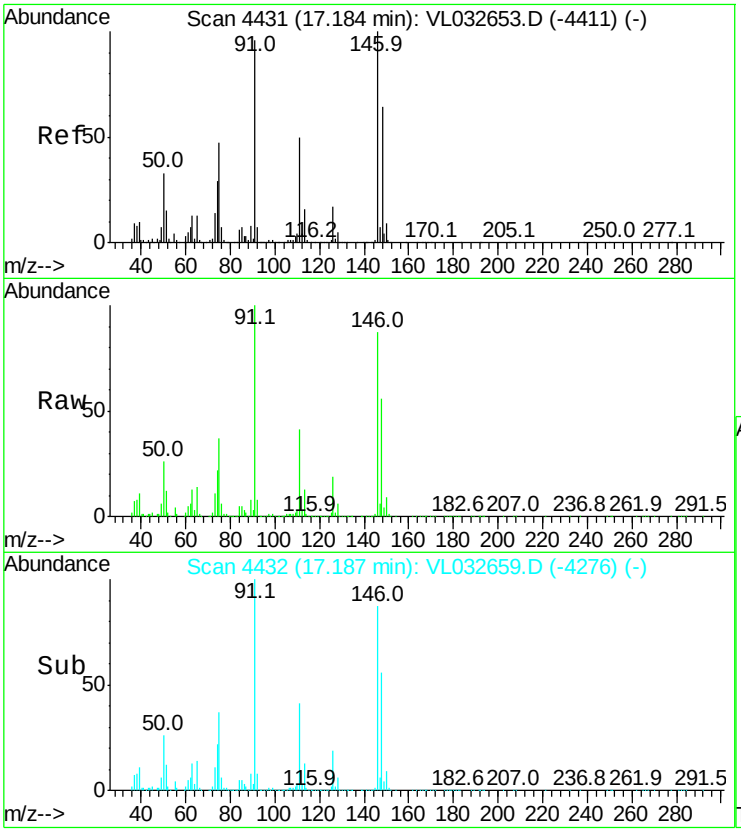


#74
1,2,4-Trimethylbenzene
Concen: 12.705 ppbv
RT: 16.95 min Scan# 4359
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion:105 Resp: 6498031

Ion	Ratio	Lower	Upper
105	100		
120	48.4	35.8	53.8
91	42.6	33.2	49.8
77	20.6	16.2	24.4



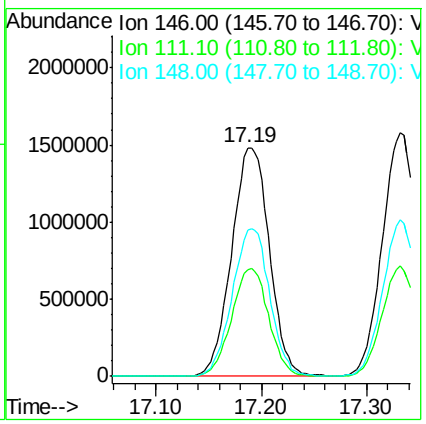


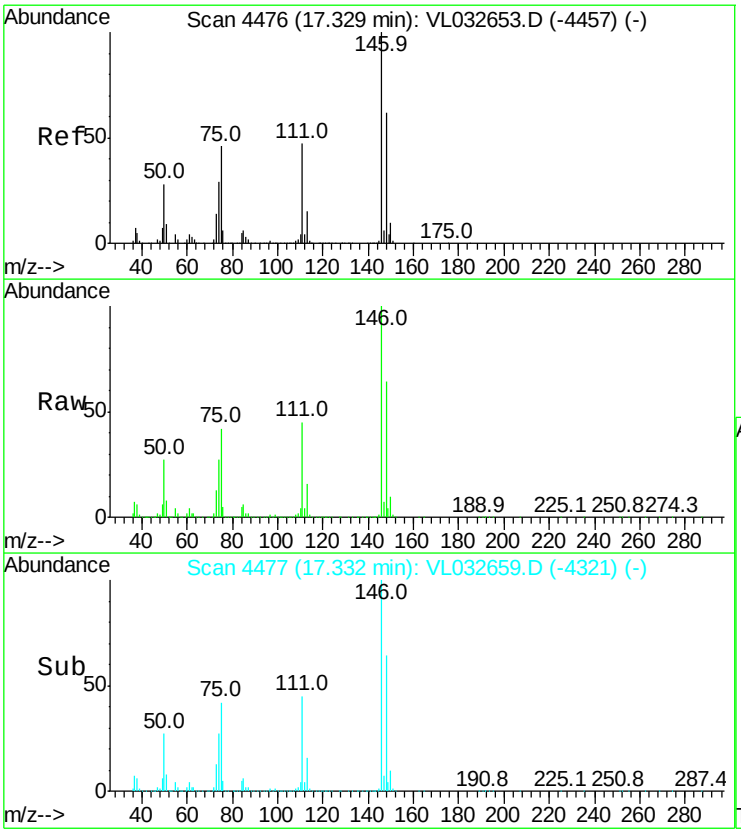
#75
1,3-Dichlorobenzene
Concen: 12.364 ppbv
RT: 17.19 min Scan# 4432
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 3675403

Ion	Ratio	Lower	Upper
146	100		
111	46.6	24.4	73.2
148	64.5	31.9	95.9

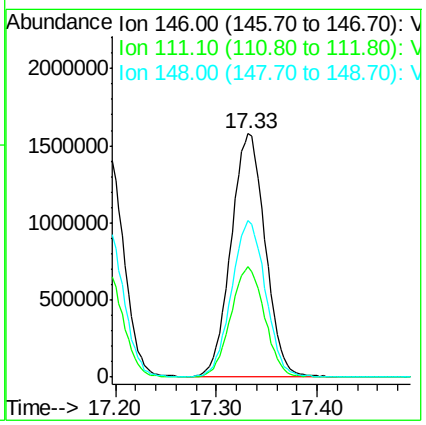


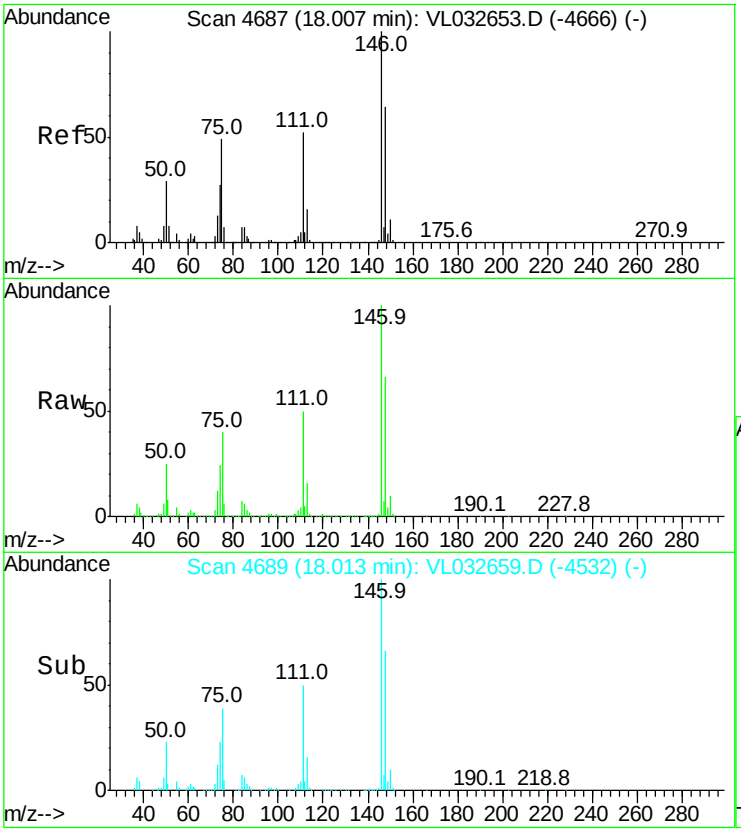


#76
1,4-Dichlorobenzene
Concen: 13.667 ppbv
RT: 17.33 min Scan# 4477
Delta R.T. 0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion:146 Resp: 3701896

Ion	Ratio	Lower	Upper
146	100		
111	45.1	23.7	71.1
148	64.3	32.1	96.3



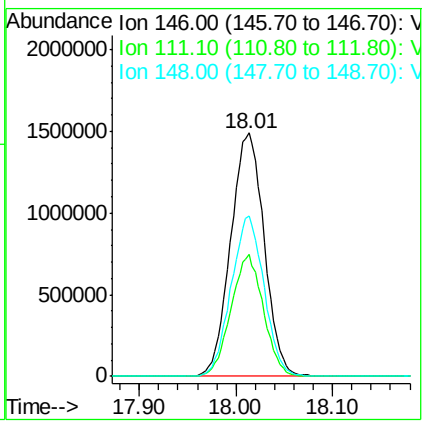


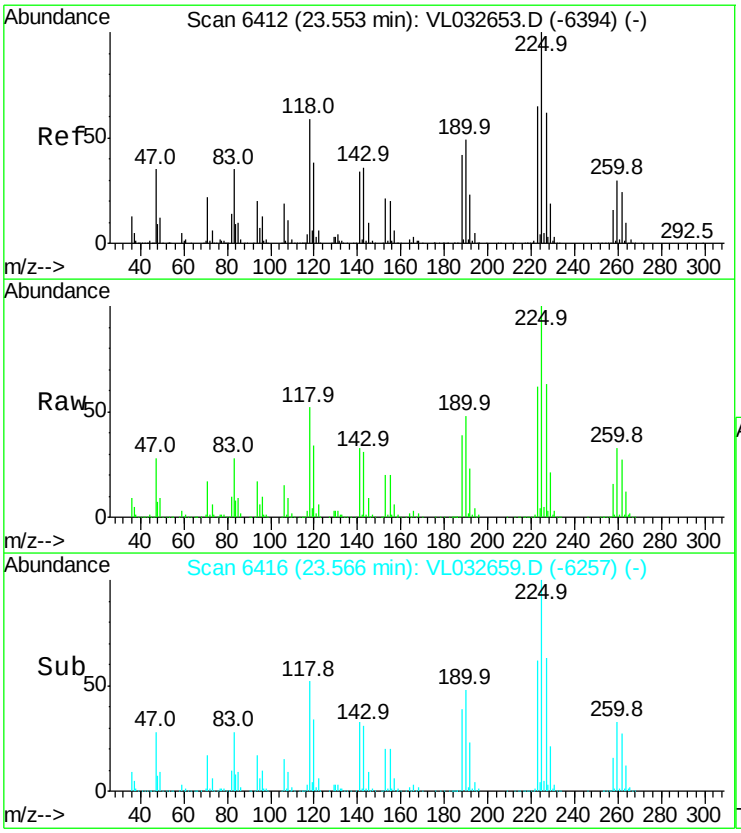
#77
1,2-Dichlorobenzene
Concen: 12.567 ppbv
RT: 18.01 min Scan# 4689
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 3591014

Ion	Ratio	Lower	Upper
146	100		
111	48.3	25.3	75.8
148	64.6	31.9	95.9

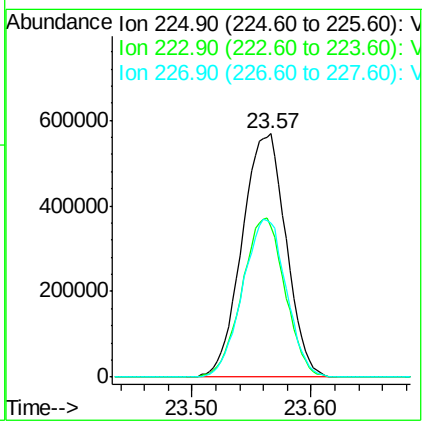


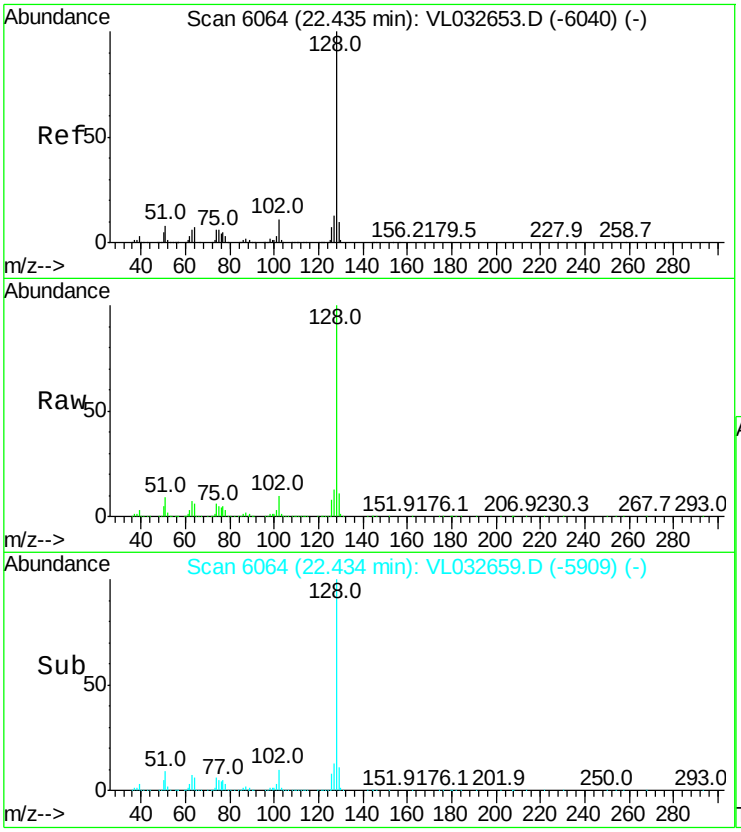


#78
Hexachloro-1,3-Butadiene
Concen: 9.101 ppbv
RT: 23.57 min Scan# 6416
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion:225 Resp: 1455483

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.7	76.1
227	64.2	50.7	76.1



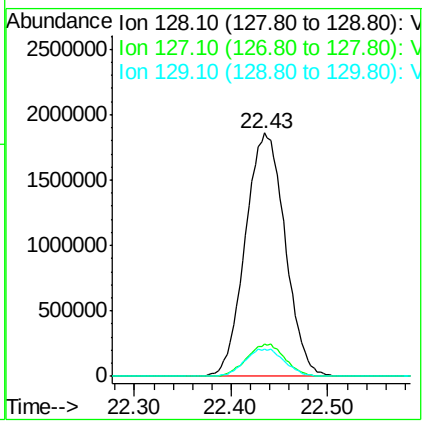


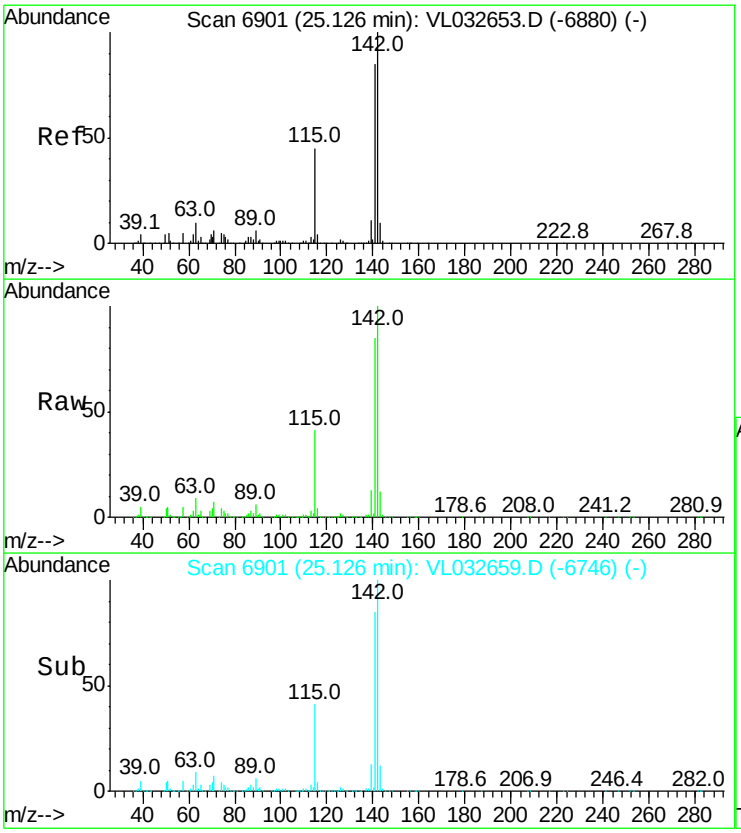
#79
Naphthalene
Concen: 15.260 ppbv
RT: 22.43 min Scan# 6064
Delta R.T. -0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:128 Resp: 5307533

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.2	8.6	13.0

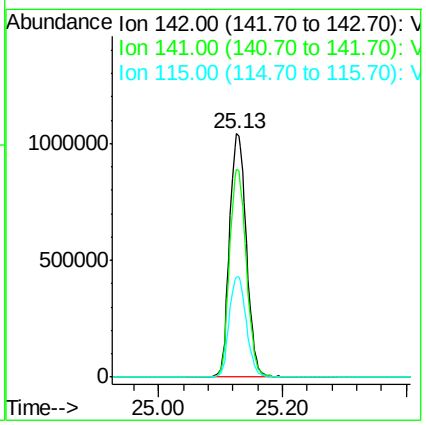


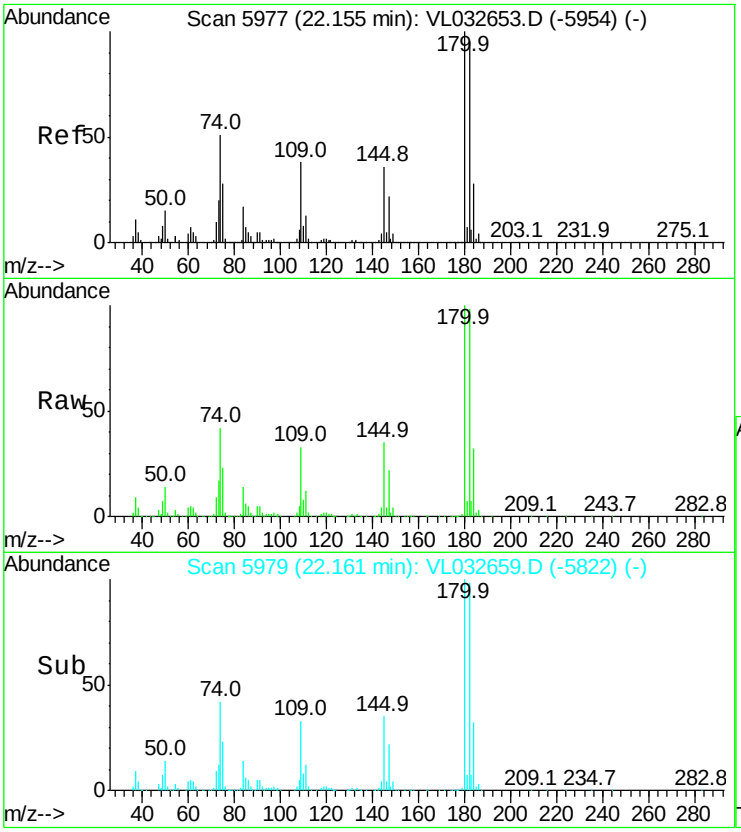


#80
Naphthalene,2-methyl-
Concen: 29.186 ppbv
RT: 25.13 min Scan# 6901
Delta R.T. -0.00 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Tgt Ion:142 Resp: 1971264

Ion	Ratio	Lower	Upper
142	100		
141	84.6	67.5	101.3
115	41.7	33.5	50.3





#81
1,2,4-Trichlorobenzene
Concen: 14.958 ppbv
RT: 22.16 min Scan# 5979
Delta R.T. 0.01 min
Lab File: VL032659.D
Acq: 18 Oct 2018 19:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:180 Resp: 2582630

Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.5	114.7
184	30.4	24.7	37.1