Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111418\

Quantitation Report (Not Reviewed)

Data File : VL032748.D
Acq On : 14 Nov 2018 6:16
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Nov 14 06:55:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 05:38:10 2018
QLast Update : Wed Nov 14 05:38:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1618033	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	4142139	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	4226238	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	3018401	9.48	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	2975549	16.123	ppbv	98
3) Chlorodifluoromethane	3.02	51	1689876	13.205	ppbv	100
4) Chloromethane	3.18	50	930361	13.081	ppbv	98
5) Vinyl Chloride	3.30	62	970724	12.617	ppbv	97
6) Bromomethane	3.52	94	632855	13.087	ppbv	93
7) Chloroethane	3.61	64	361951	12.728	ppbv	97
8) Dichlorotetrafluoroethane	3.23	85	2306022	13.084	ppbv	99
9) Propene	3.04	41	708049	13.599	ppbv	99
10) Heptane	8.26	43	2918712	14.444	ppbv	98
11) Trichlorofluoromethane	4.01	101	2567084	11.721	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	2610172	14.747	ppbv	99
13) Ethanol	3.66	45	172147	11.701	ppbv	100
14) Bromoethene	3.80	108	807247	13.256	ppbv	98
15) Acetone	3.91	43	1645697	10.941	ppbv	100
16) 1,3-Butadiene	3.37	39	729877	12.800	ppbv	84
17) tert-Butyl alcohol	4.37	59	586933	13.813	ppbv	100
18) 1,1-Dichloroethene	4.36	96	1144287	14.330	ppbv	98
19) Isopropyl Alcohol	4.03	45	1129528	10.772	ppbv	99
20) Methylene Chloride	4.42	84	974244	12.731	ppbv	98
21) Allyl Chloride	4.49	41	1876288	15.592	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	1159827	14.120	ppbv	98
23) Vinyl Acetate	5.17	43	3872283	14.267	ppbv	100
24) 1,1-Dichloroethane	5.10	63	2642187	12.377	ppbv	100
25) Ethyl Acetate	5.78	43	4675938	13.583	ppbv	100
26) Hexane	5.79	57	2138152	13.192	ppbv	99
27) Carbon Disulfide	4.63	76	2751050	14.150	ppbv	100
28) Methyl tert-Butyl Ether	5.12	73	3205577	13.334	ppbv	99
29) Chloroform	5.86	83	3602899	13.740	ppbv	98
30) Cyclohexane	7.26	84	1982751	15.249	ppbv	99
31) cis-1,2-Dichloroethene	5.65	61	2329328	15.388	ppbv	99
32) 1,1,1-Trichloroethane	6.63	97	3894223	14.487	ppbv	100
34) 2-Butanone	5.34	43	3021619	13.592	ppbv	100
35) Carbon Tetrachloride	7.15	117	4180171	14.082	ppbv	98
36) Benzene	7.02	78	4672406	13.962	ppbv	99
37) 1,2-Dichloroethane	6.43	62	3003266	14.439	ppbv	99
38) Trichloroethene	7.98	130	1863021	14.865	ppbv	96
39) 1,2-Dichloropropane	7.75	63	1791628	13.870	ppbv	97
40) 1,4-Dioxane	7.97	88	660469	15.028	ppbv #	1
41) Tetrahydrofuran	6.16	42	1873639	15.225	ppbv	99
42) Bromodichloromethane	7.93	83	4182193	14.386	ppbv	100
43) Methyl Methacrylate	8.15	69	1928285	15.681	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111418\

Quantitation Report (Not Reviewed)

Data File : VL032748.D
Acq On : 14 Nov 2018 6:16
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Nov 14 06:55:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 05:38:10 2018
QLast Update : Wed Nov 14 05:38:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	7760567	13.574	ppbv		99
45) t-1,3-Dichloropropene	9.43	75	2900955	17.618	ppbv		99
46) cis-1,3-Dichloropropene	8.85	75	3263888	17.068	ppbv		96
47) 1,1,2-Trichloroethane	9.63	97	2124257	13.916	ppbv		99
48) Dibromochloromethane	10.47	129	3652289	14.204	ppbv		99
49) Bromoform	13.21	173	3042631	15.070	ppbv		100
50) 4-Methyl-2-Pentanone	8.88	43	4971946	14.948	ppbv		100
51) 2-Hexanone	10.28	43	3435732	14.352	ppbv	#	100
52) Tetrachloroethene	11.38	164	1660685	14.162	ppbv		97
53) Toluene	9.96	91	5482112	14.493	ppbv		100
54) 1,2-Dibromoethane	10.78	107	3061096	14.910	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.29	131	2458749	13.097	ppbv		95
57) Chlorobenzene	12.32	112	4099481	13.038	ppbv		99
58) Ethyl Benzene	12.88	91	7352630	14.822	ppbv		99
59) m/p-Xylene	13.14	91	2219650	5.028	ppbv	#	31
60) o-Xylene	13.86	91	5972381	13.929	ppbv		99
61) Styrene	13.70	104	4581499	15.970	ppbv		100
62) Isopropylbenzene	14.84	105	8413753	13.891	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.85	83	4129951	12.390	ppbv		99
64) n-propylbenzene	15.73	120	2275404	15.002	ppbv		95
65) tert-Butylbenzene	16.92	119	7257376	13.902	ppbv		99
66) Benzyl Chloride	17.17	91	4839416	17.753	ppbv		100
67) sec-Butylbenzene	17.47	105	10678566	14.407	ppbv		99
69) p-Isopropyltoluene	17.83	119	8826004	14.993	ppbv		100
70) n-Butylbenzene	18.73	91	8874105	14.697	ppbv		99
71) 2-Chlorotoluene	15.63	91	6625413	15.230	ppbv		99
72) 4-Ethyltoluene	16.01	105	7269890	15.750	ppbv		99
73) 1,3,5-Trimethylbenzene	16.17	105	6824834	15.170	ppbv		99
74) 1,2,4-Trimethylbenzene	16.94	105	6587090	13.730	ppbv	#	92
75) 1,3-Dichlorobenzene	17.18	146	3875915	14.024	ppbv		99
76) 1,4-Dichlorobenzene	17.32	146	3878171	15.173	ppbv		99
77) 1,2-Dichlorobenzene	18.00	146	3754650	14.398	ppbv		100
78) Hexachloro-1,3-Butadiene	23.55	225	835295	6.321	ppbv	#	20
79) Naphthalene	22.42	128	5581685	18.495	ppbv		100
80) Naphthalene,2-methyl-	25.12	142	1871204	25.902	ppbv		99
81) 1,2,4-Trichlorobenzene	22.15	180	2668934	17.293	ppbv		100

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

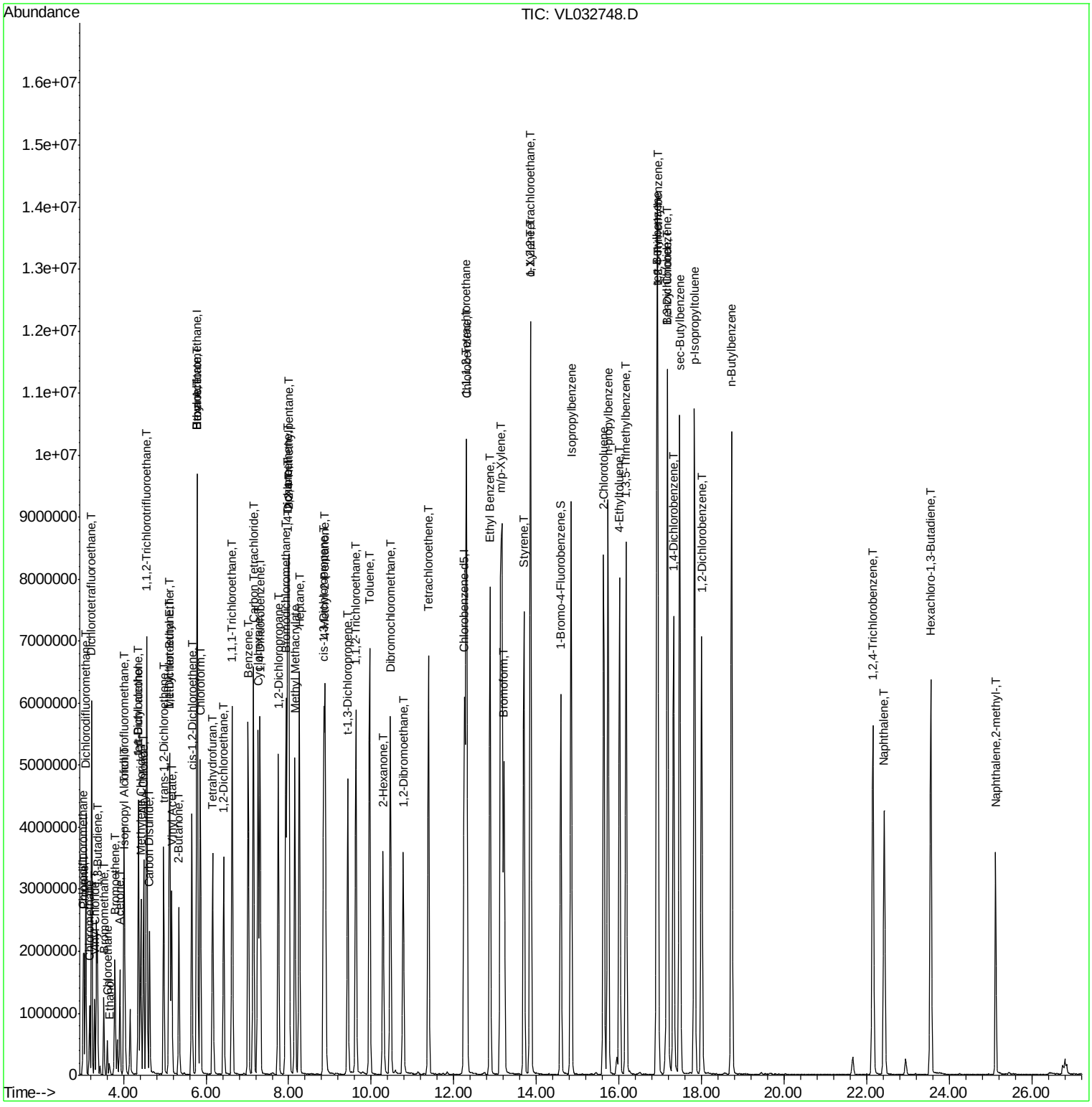
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111418\

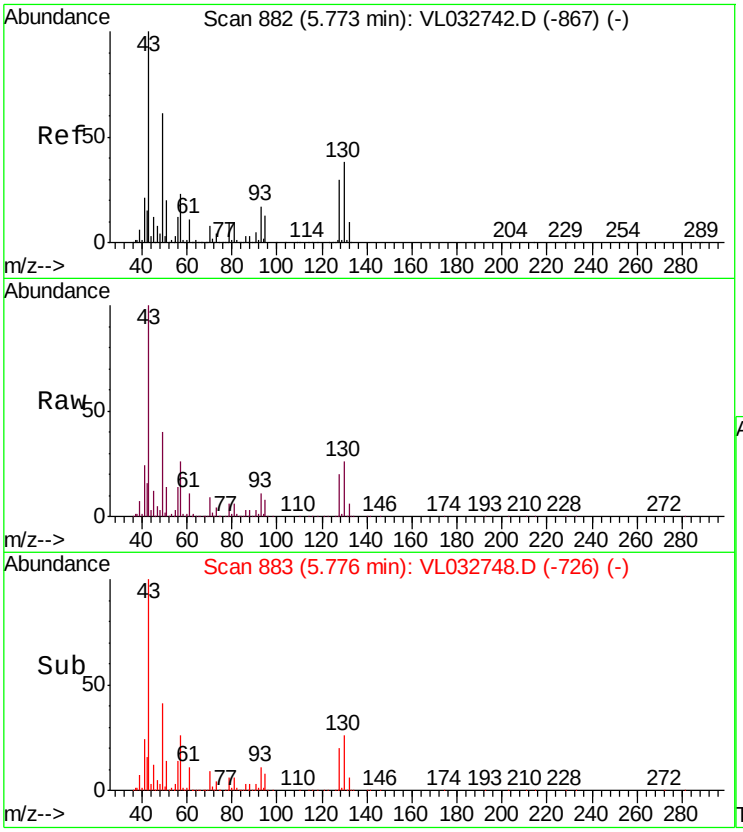
Quantitation Report (Not Reviewed)

Data File : VL032748.D
Acq On : 14 Nov 2018 6:16
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Nov 14 06:55:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 05:38:10 2018
QLast Update : Wed Nov 14 05:38:10 2018
Response via : Initial Calibration



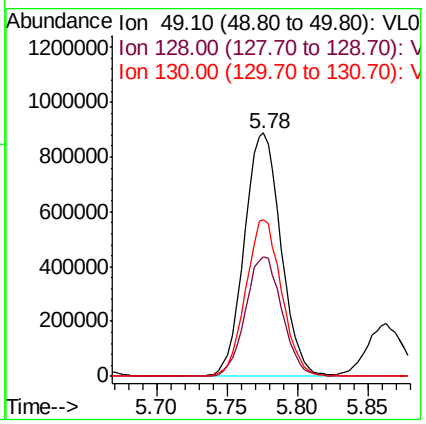


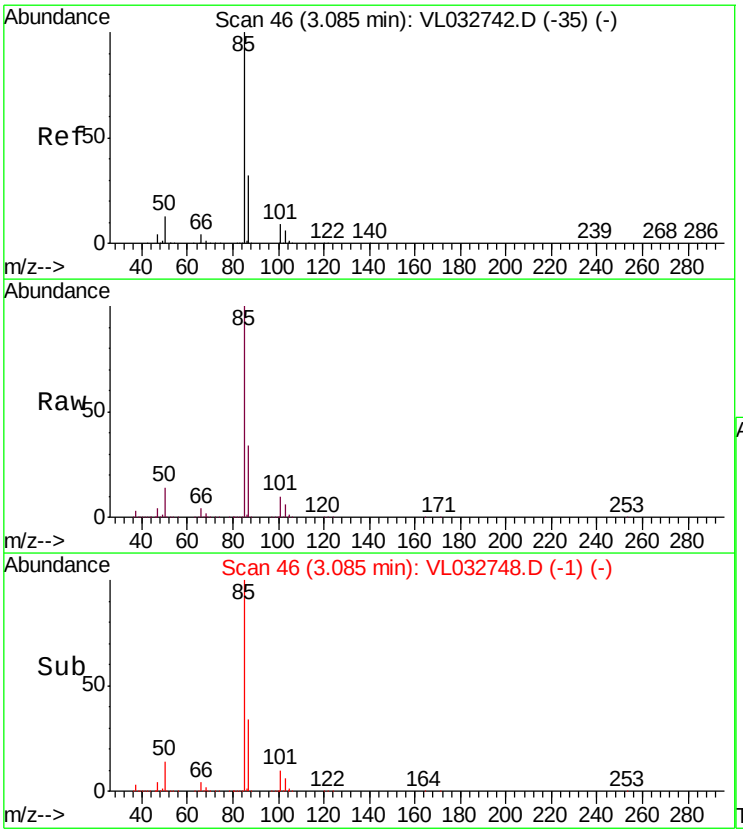
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 49 Resp: 1618033

Ion	Ratio	Lower	Upper
49	100		
128	49.1	24.9	74.6
130	63.2	31.4	94.2

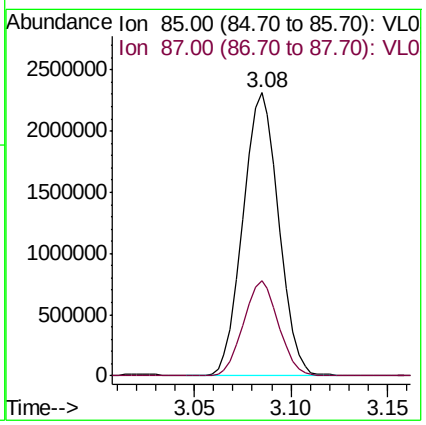


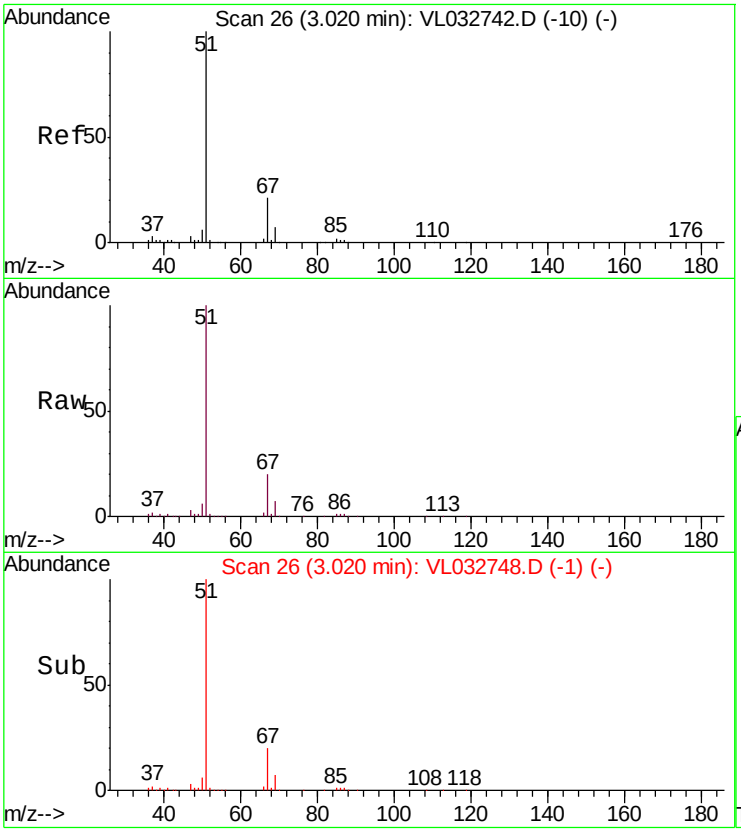


#2
Dichlorodifluoromethane
Concen: 16.123 ppbv
RT: 3.08 min Scan# 46
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 85 Resp: 2975549

Ion	Ratio	Lower	Upper
85	100		
87	33.7	26.0	39.0



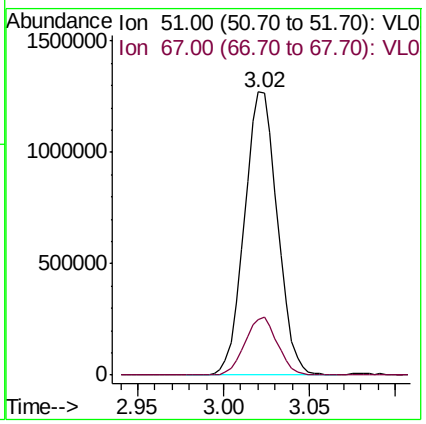


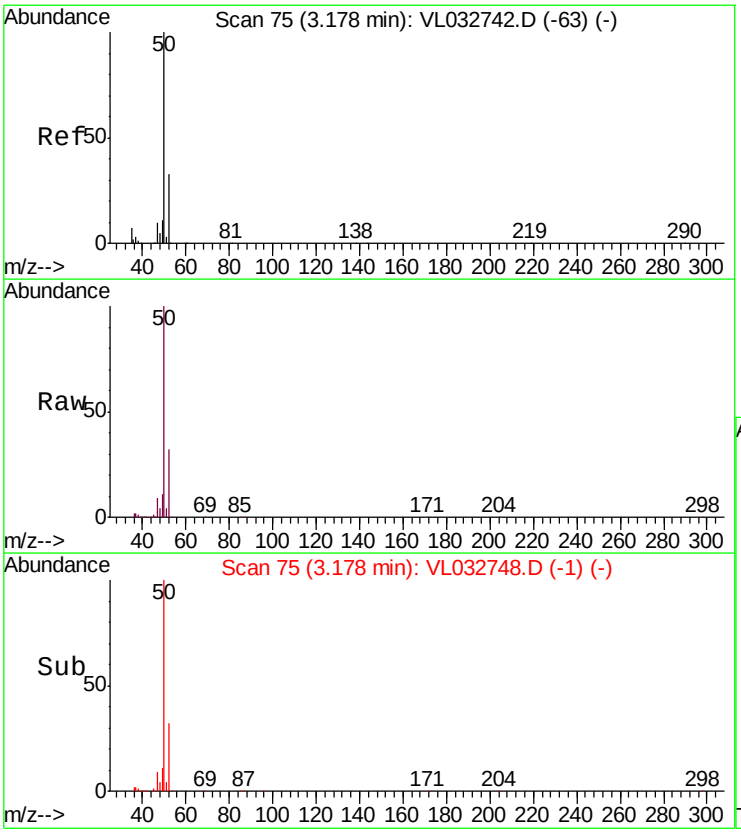
#3
Chlorodifluoromethane
Concen: 13.205 ppbv
RT: 3.02 min Scan# 26
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 51 Resp: 1689876

Ion	Ratio	Lower	Upper
51	100		
67	20.2	16.1	24.1

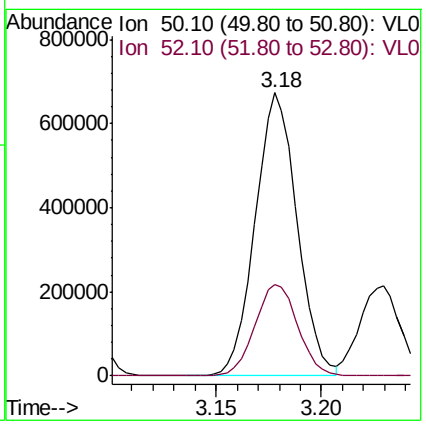


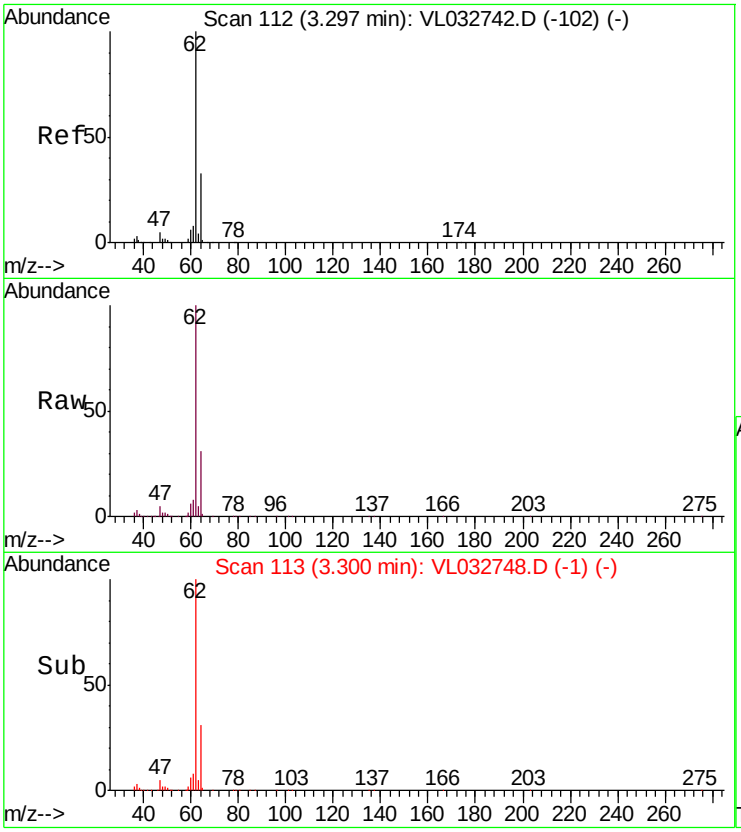


#4
Chloromethane
Concen: 13.081 ppbv
RT: 3.18 min Scan# 75
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 50 Resp: 930361

Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.6	40.0



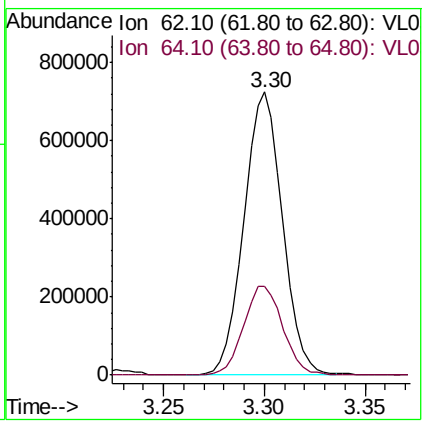


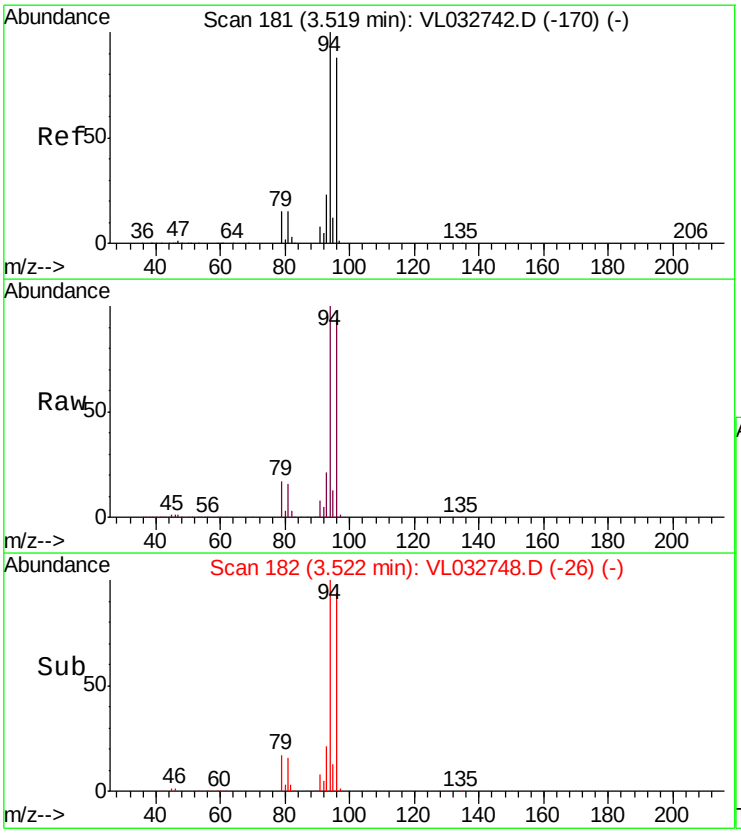
#5
Vinyl Chloride
Concen: 12.617 ppbv
RT: 3.30 min Scan# 113
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 970724

Ion	Ratio	Lower	Upper
62	100		
64	31.3	26.2	39.4

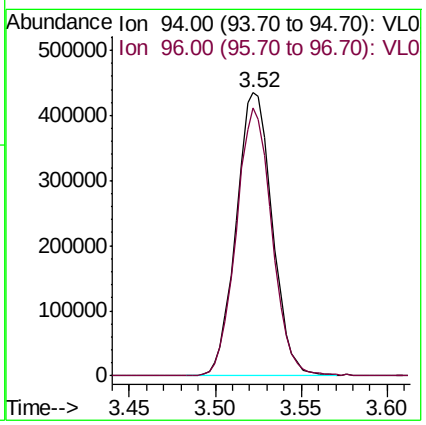


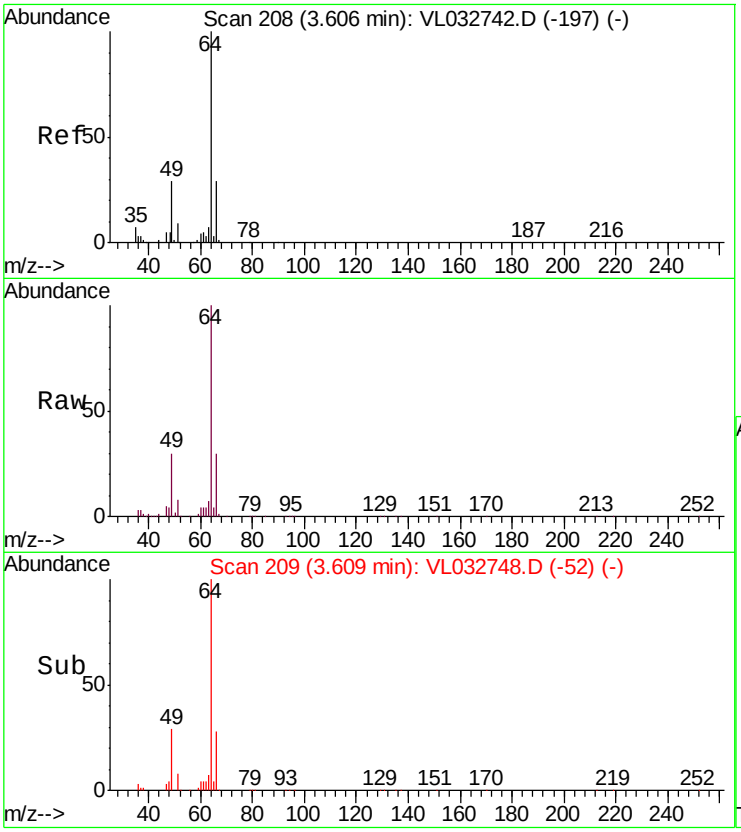


#6
Bromomethane
Concen: 13.087 ppbv
RT: 3.52 min Scan# 182
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 94 Resp: 632855

Ion	Ratio	Lower	Upper
94	100		
96	94.5	70.2	105.2



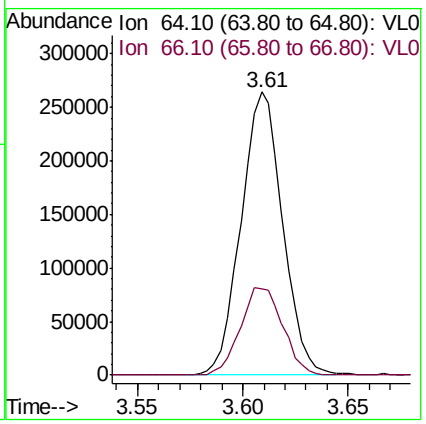


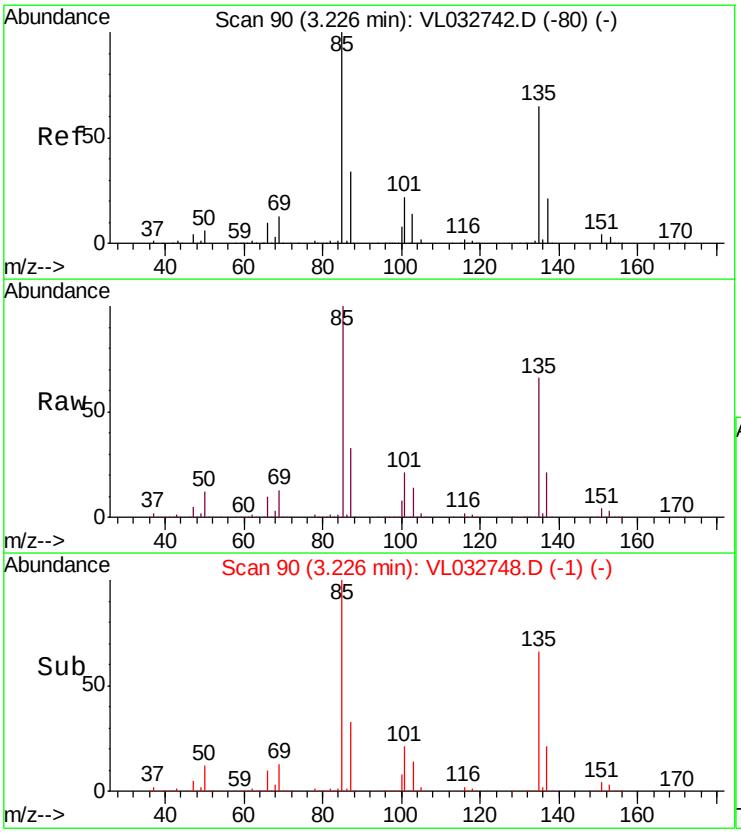
#7
Chloroethane
Concen: 12.728 ppbv
RT: 3.61 min Scan# 209
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 64 Resp: 361951

Ion	Ratio	Lower	Upper
64	100		
66	30.4	23.2	34.8

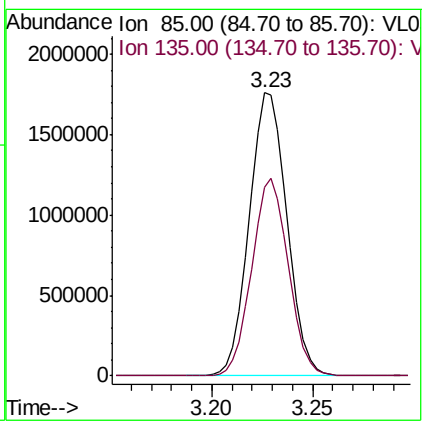


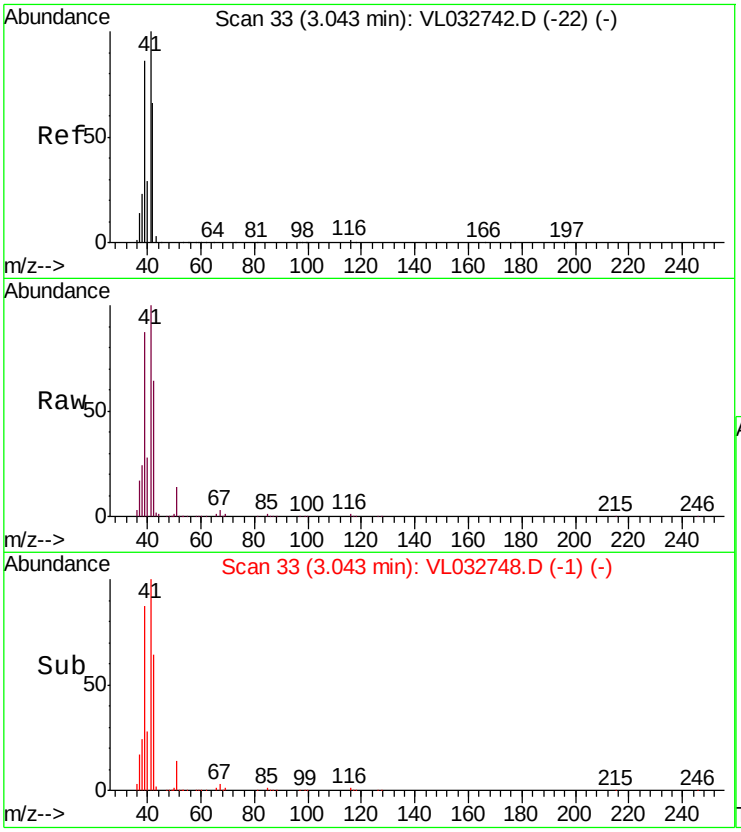


#8
Dichlorotetrafluoroethane
Concen: 13.084 ppbv
RT: 3.23 min Scan# 90
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 85 Resp: 2306022

Ion	Ratio	Lower	Upper
85	100		
135	68.1	53.8	80.8



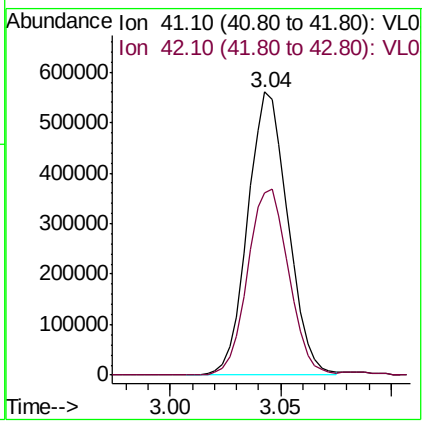


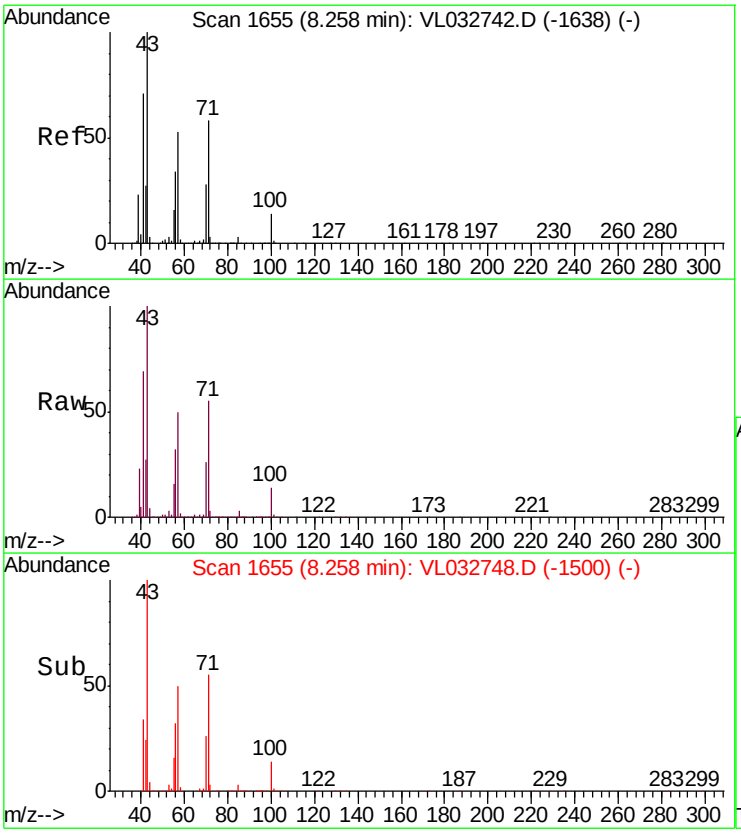
#9
Propene
Concen: 13.599 ppbv
RT: 3.04 min Scan# 33
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 708049

Ion	Ratio	Lower	Upper
41	100		
42	68.1	55.0	82.6

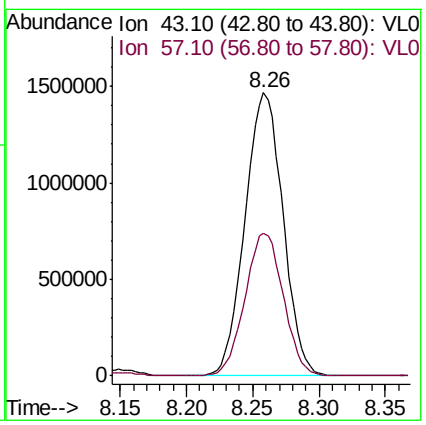


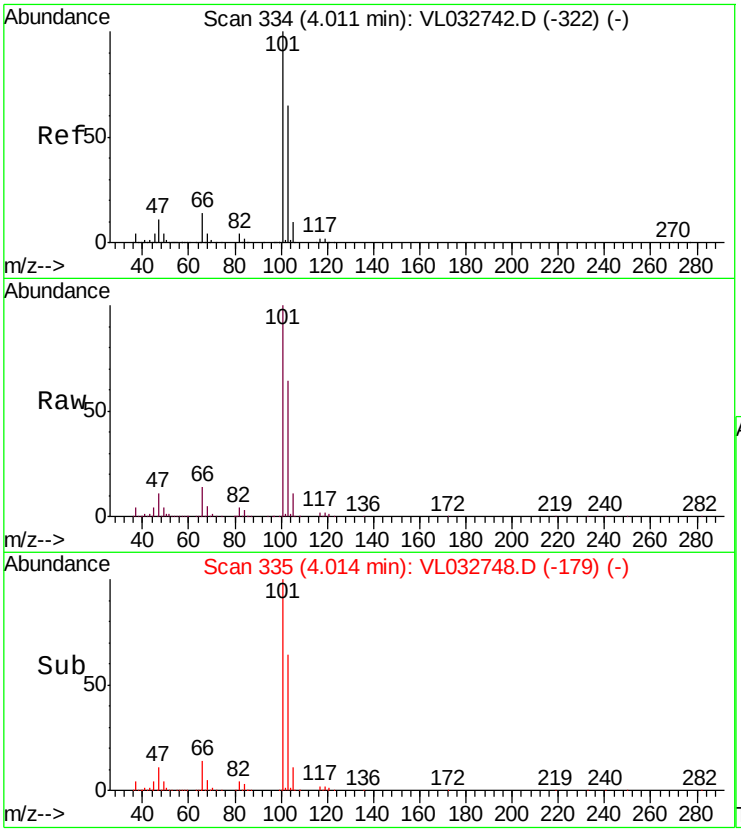


#10
Heptane
Concen: 14.444 ppbv
RT: 8.26 min Scan# 1655
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 43 Resp: 2918712

Ion	Ratio	Lower	Upper
43	100		
57	50.9	41.8	62.8



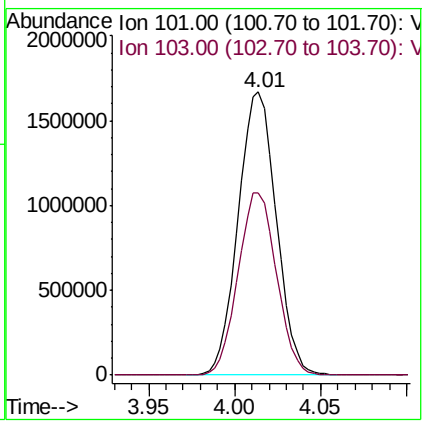


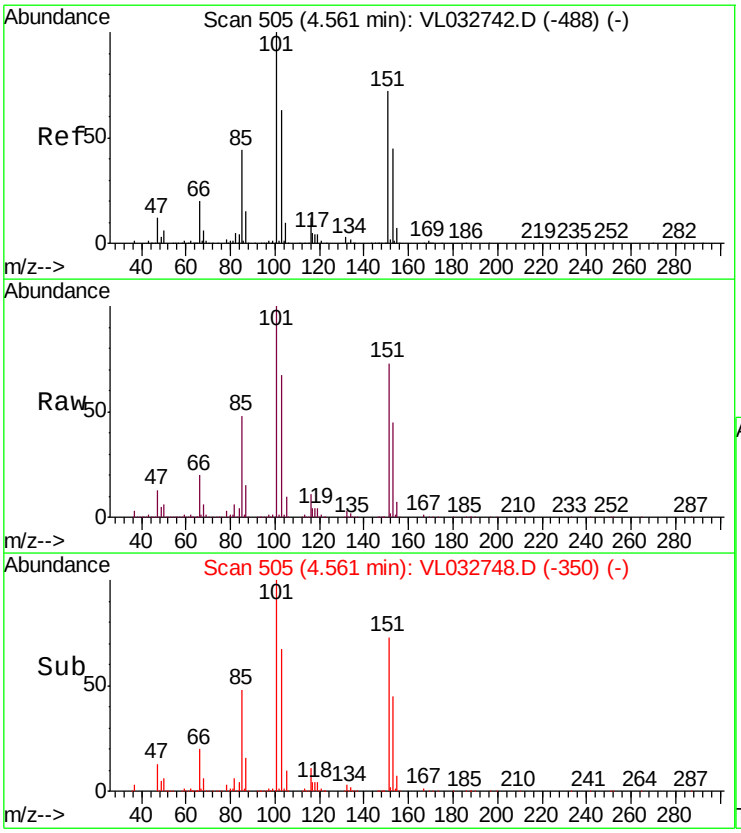
#11
Trichlorofluoromethane
Concen: 11.721 ppbv
RT: 4.01 min Scan# 335
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:101 Resp: 2567084

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.6	77.4

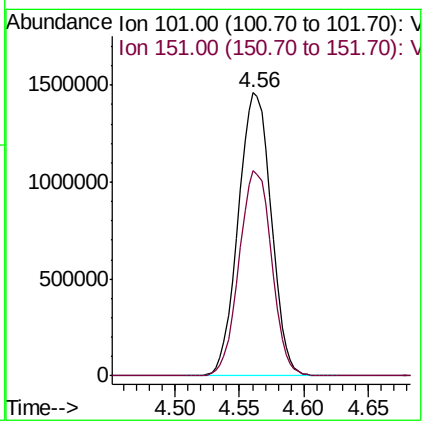


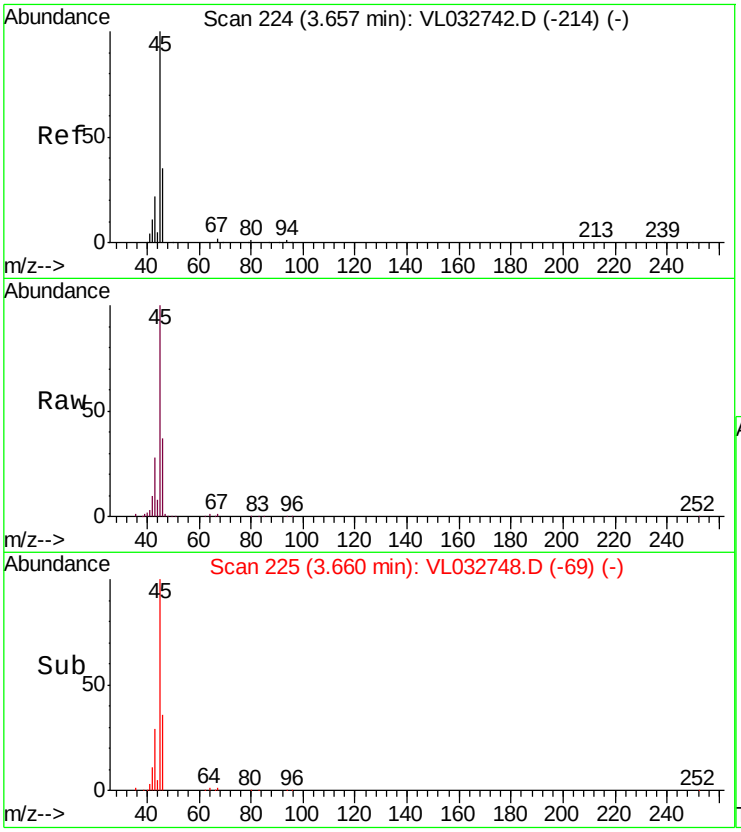


#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.747 ppbv
RT: 4.56 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion:101 Resp: 2610172

Ion	Ratio	Lower	Upper
101	100		
151	71.6	56.7	85.1



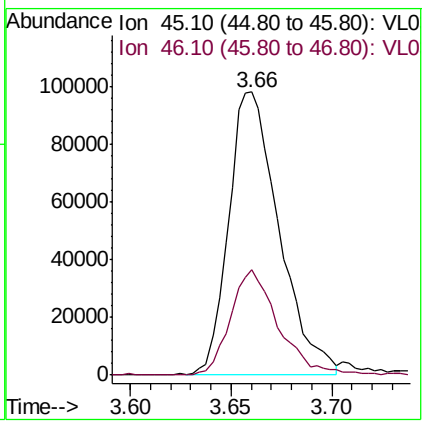


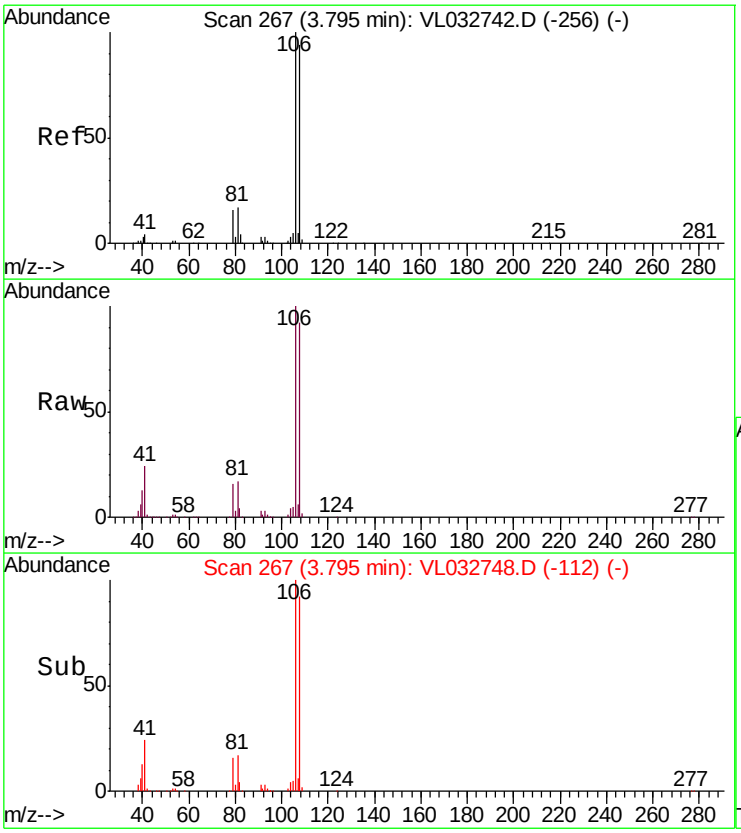
#13
Ethanol
Concen: 11.701 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 172147

Ion	Ratio	Lower	Upper
45	100		
46	36.2	14.5	57.9

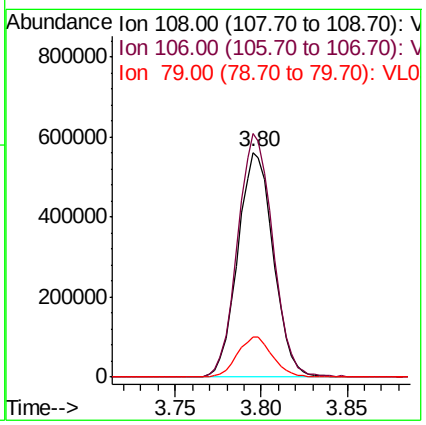


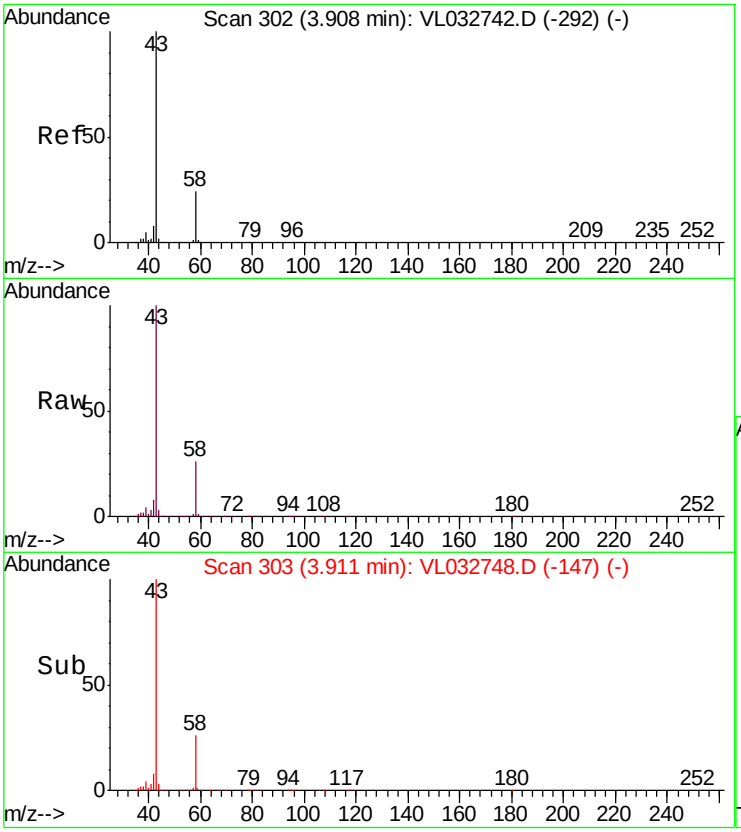


#14
Bromoethene
Concen: 13.256 ppbv
RT: 3.80 min Scan# 267
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion:108 Resp: 807247

Ion	Ratio	Lower	Upper
108	100		
106	108.1	84.9	127.3
79	17.8	14.2	21.4



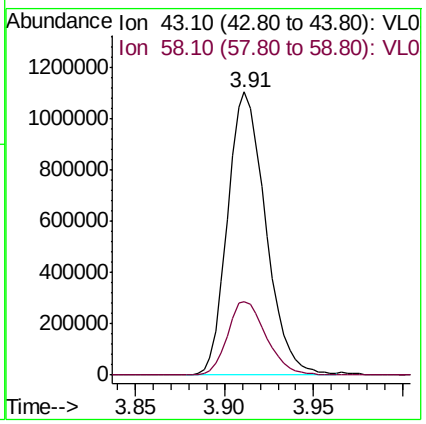


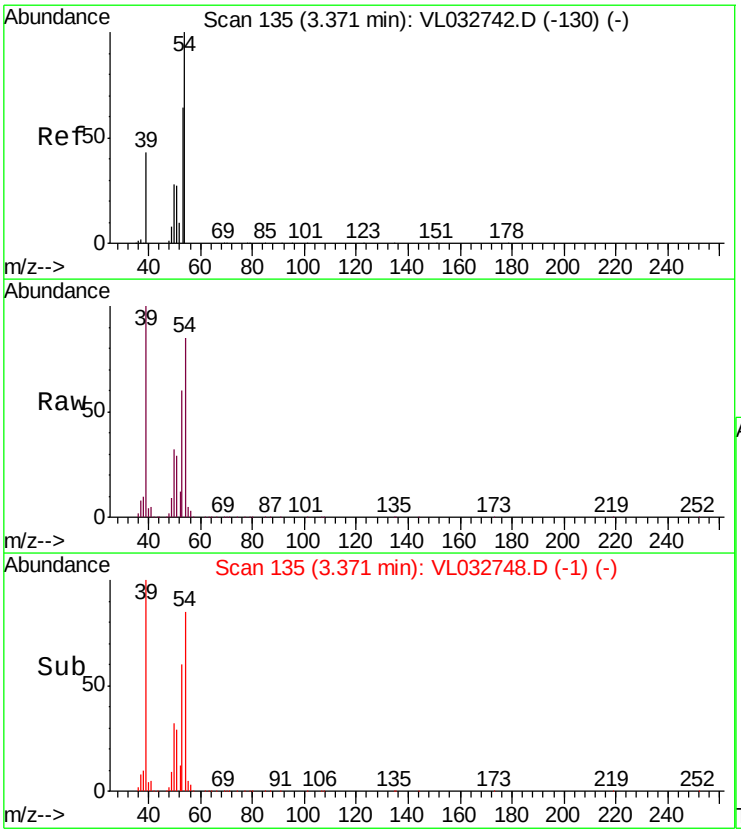
#15
Acetone
Concen: 10.941 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 43 Resp: 1645697

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.1	31.7

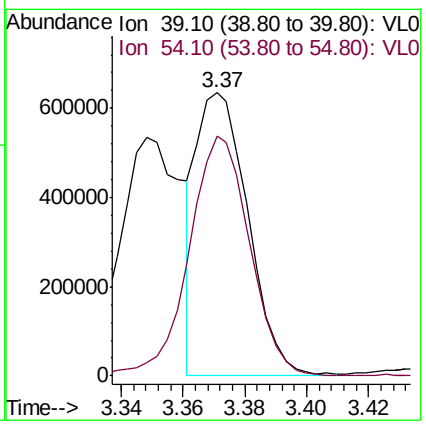


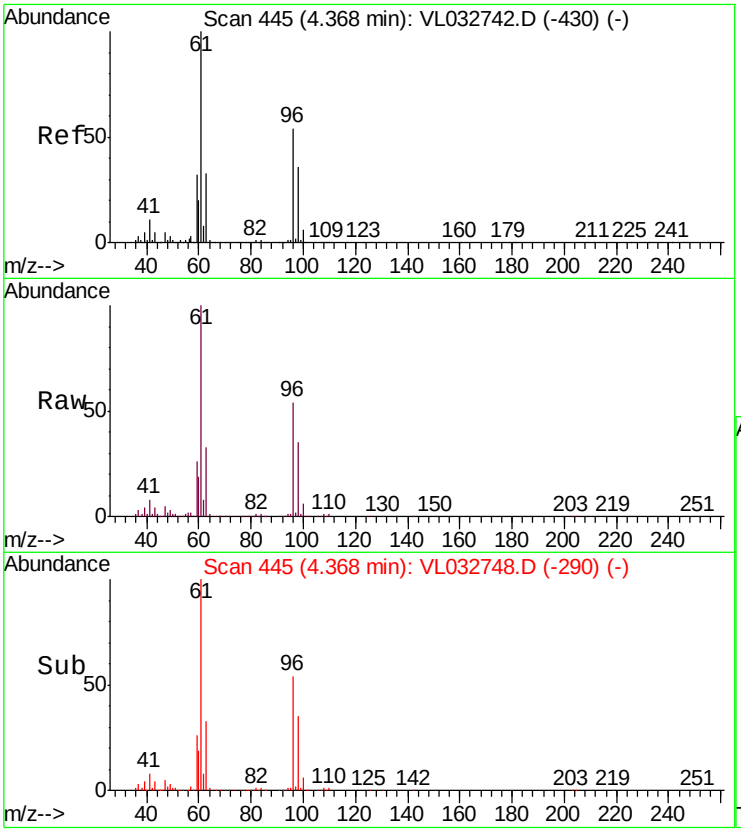


#16
1,3-Butadiene
Concen: 12.800 ppbv
RT: 3.37 min Scan# 135
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 39 Resp: 729877

Ion	Ratio	Lower	Upper
39	100		
54	101.0	68.9	103.3



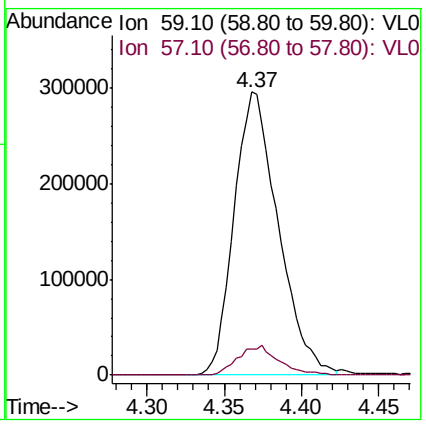


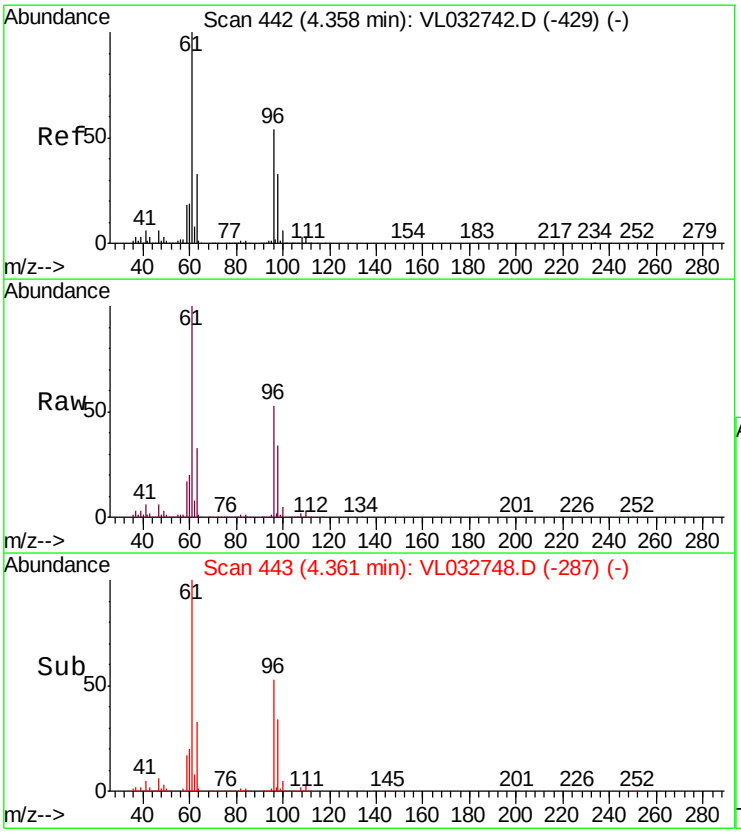
#17
tert-Butyl alcohol
Concen: 13.813 ppbv
RT: 4.37 min Scan# 445
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 59 Resp: 586933

Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8

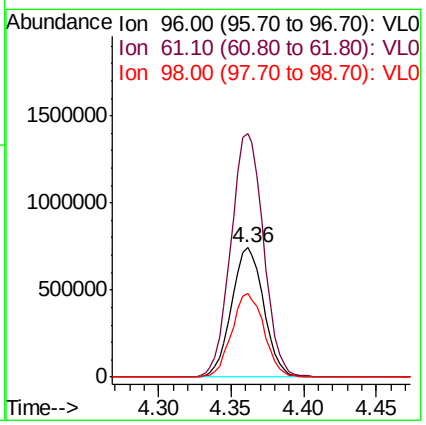


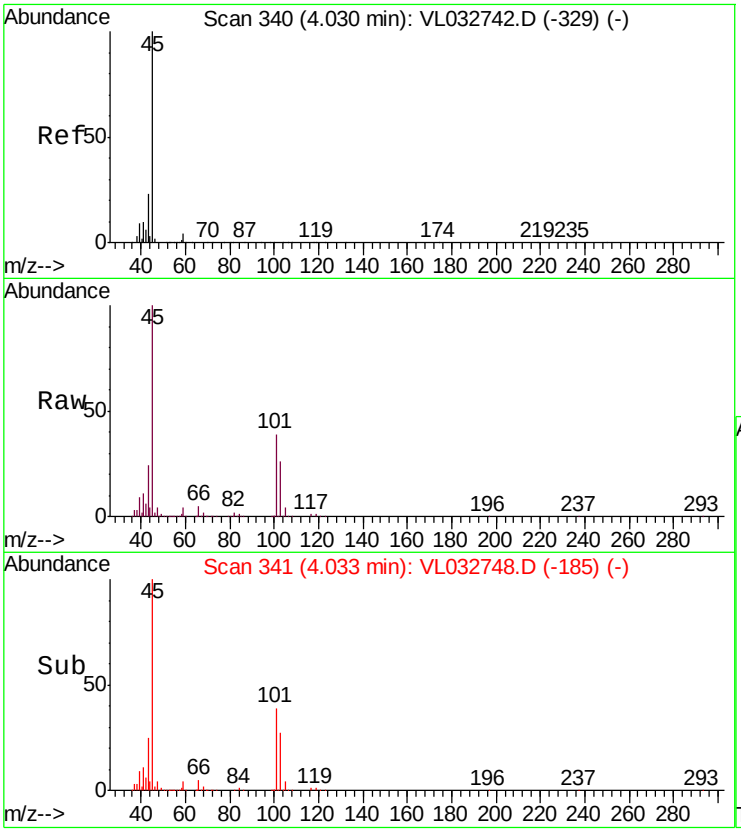


#18
1,1-Dichloroethene
Concen: 14.330 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 96 Resp: 1144287

Ion	Ratio	Lower	Upper
96	100		
61	188.0	148.5	222.7
98	64.1	48.6	72.8



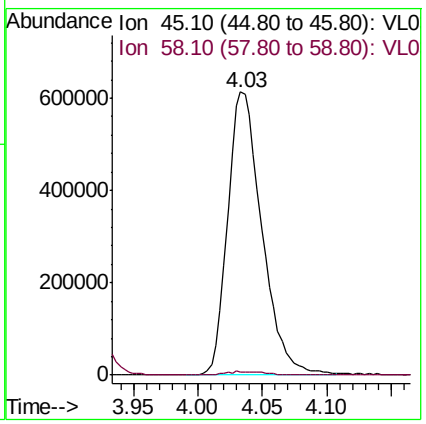


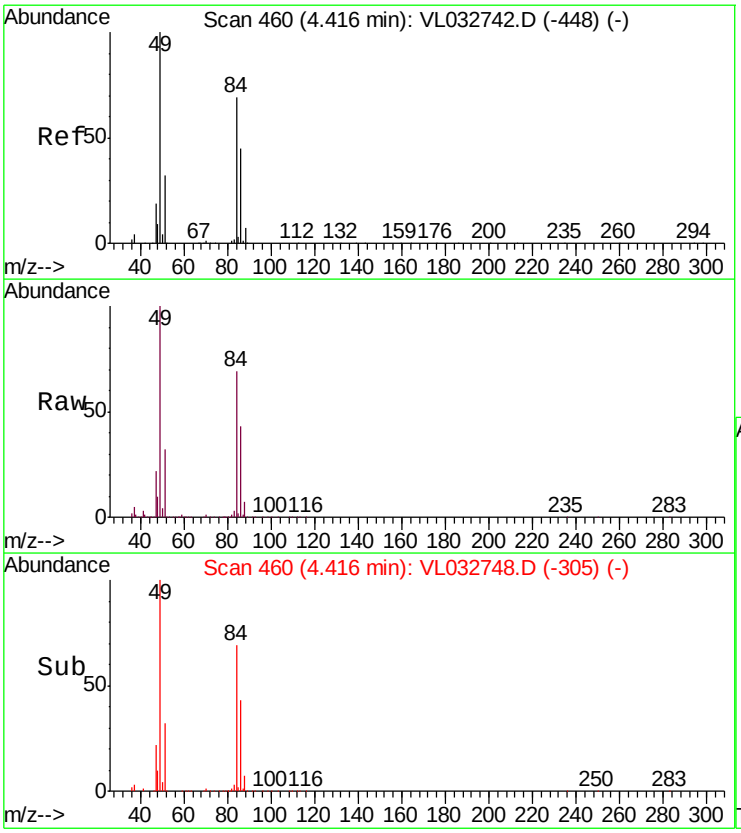
#19
Isopropyl Alcohol
Concen: 10.772 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 1129528

Ion	Ratio	Lower	Upper
45	100		
58	1.5	1.4	2.0

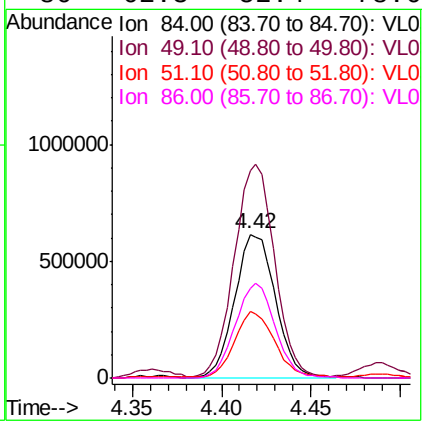


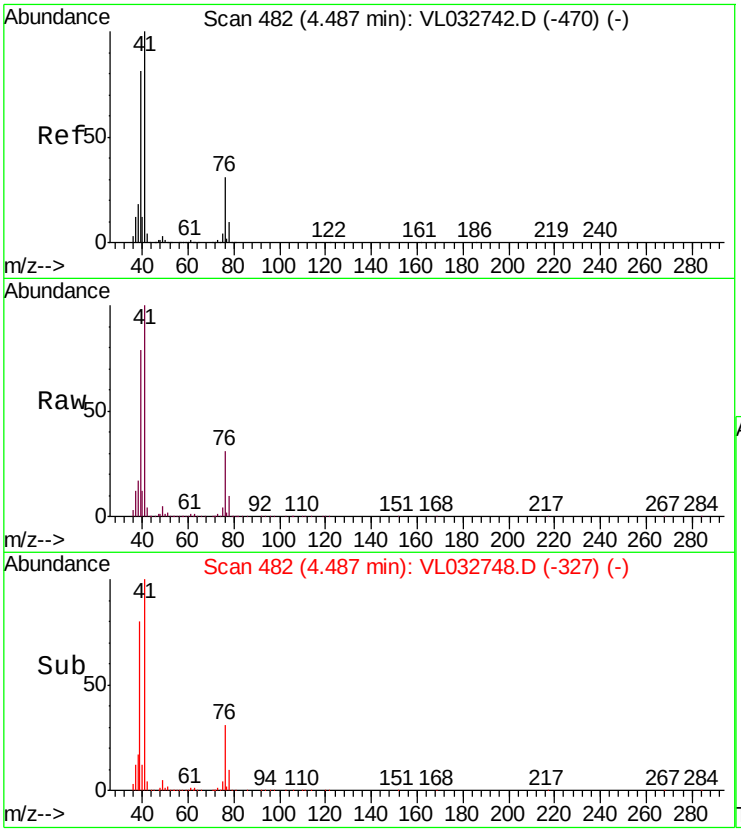


#20
Methylene Chloride
Concen: 12.731 ppbv
RT: 4.42 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 84 Resp: 974244

Ion	Ratio	Lower	Upper
84	100		
49	143.7	115.8	173.6
51	46.0	36.9	55.3
86	62.3	52.4	78.6



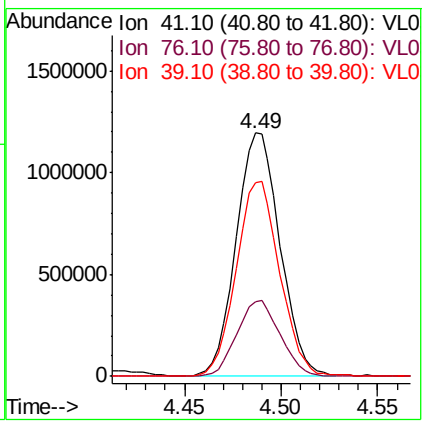


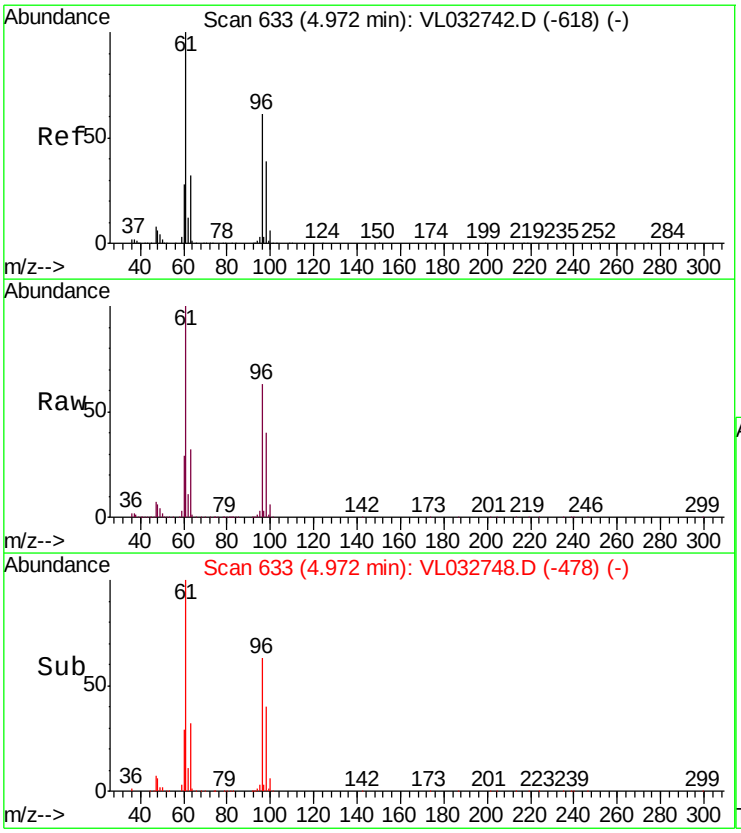
#21
Allyl Chloride
Concen: 15.592 ppbv
RT: 4.49 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 1876288

Ion	Ratio	Lower	Upper
41	100		
76	30.9	24.4	36.6
39	79.9	63.5	95.3

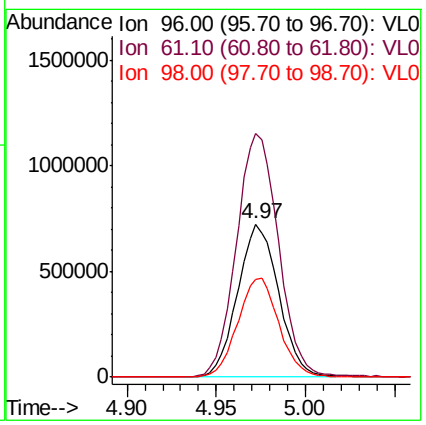


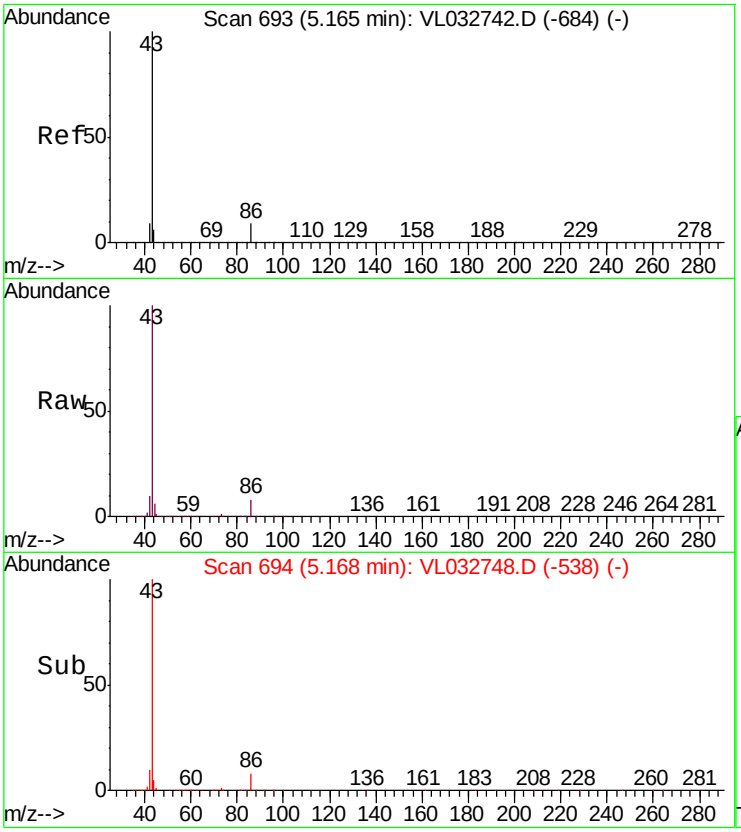


#22
trans-1,2-Dichloroethene
Concen: 14.120 ppbv
RT: 4.97 min Scan# 633
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 96 Resp: 1159827

Ion	Ratio	Lower	Upper
96	100		
61	159.2	130.2	195.2
98	64.2	50.2	75.2



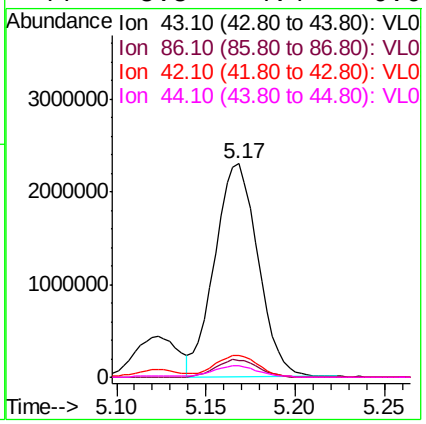


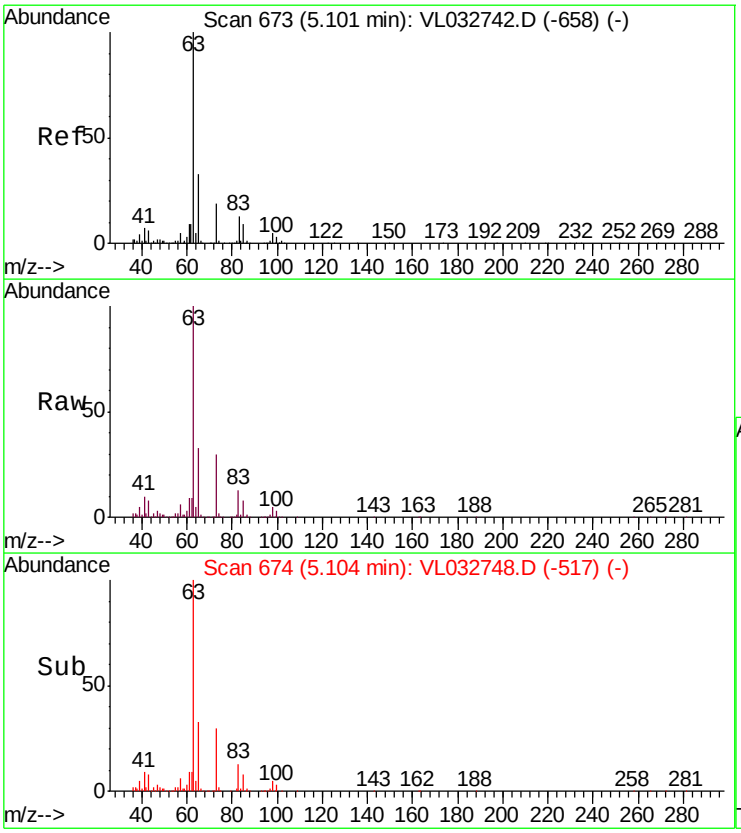
#23
Vinyl Acetate
Concen: 14.267 ppbv
RT: 5.17 min Scan# 694
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 43 Resp: 3872283

Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.2	9.4
42	10.0	7.8	11.6
44	5.5	4.4	6.6

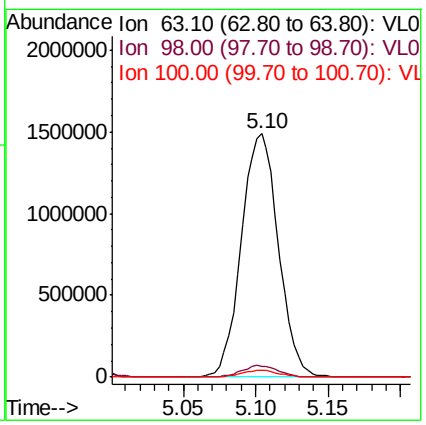


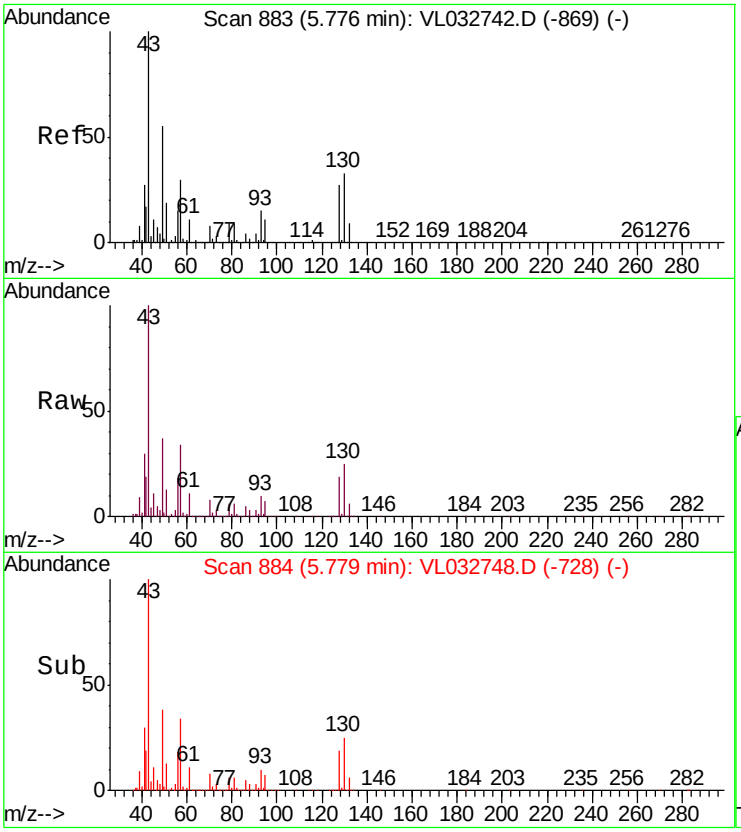


#24
1,1-Dichloroethane
Concen: 12.377 ppbv
RT: 5.10 min Scan# 674
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 63 Resp: 2642187

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.8
100	2.8	1.4	4.2



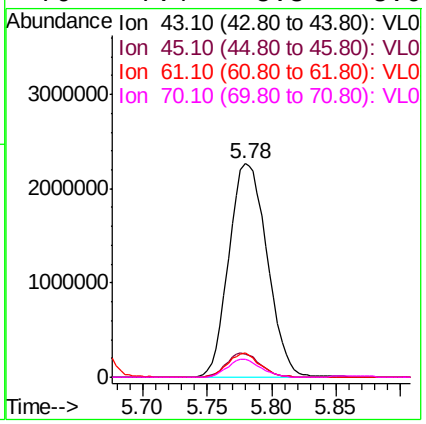


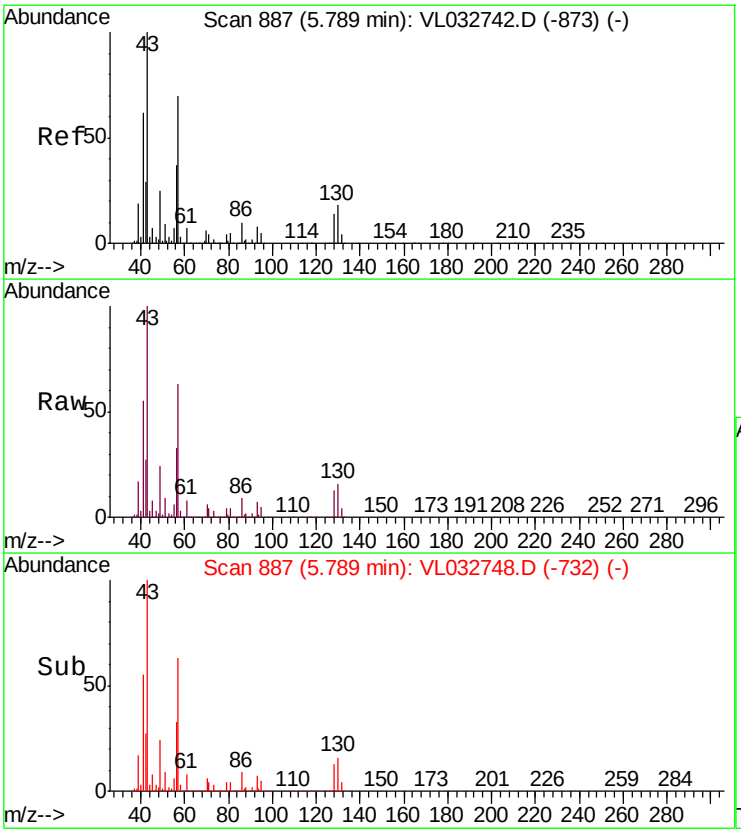
#25
Ethyl Acetate
Concen: 13.583 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 43 Resp: 4675938

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.6	7.8	11.6
70	7.4	5.8	8.6

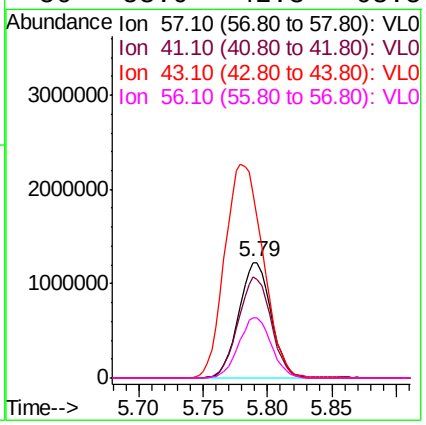


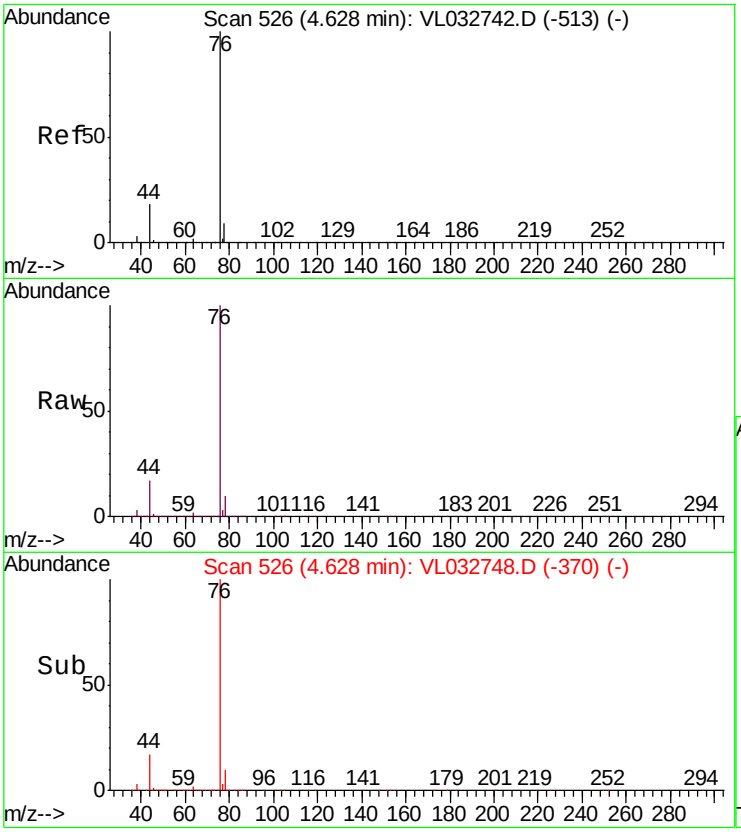


#26
Hexane
Concen: 13.192 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 57 Resp: 2138152

Ion	Ratio	Lower	Upper
57	100		
41	88.7	70.3	105.5
43	219.7	174.0	261.0
56	53.0	42.3	63.5



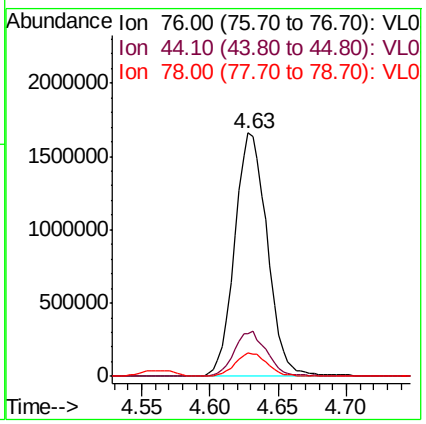


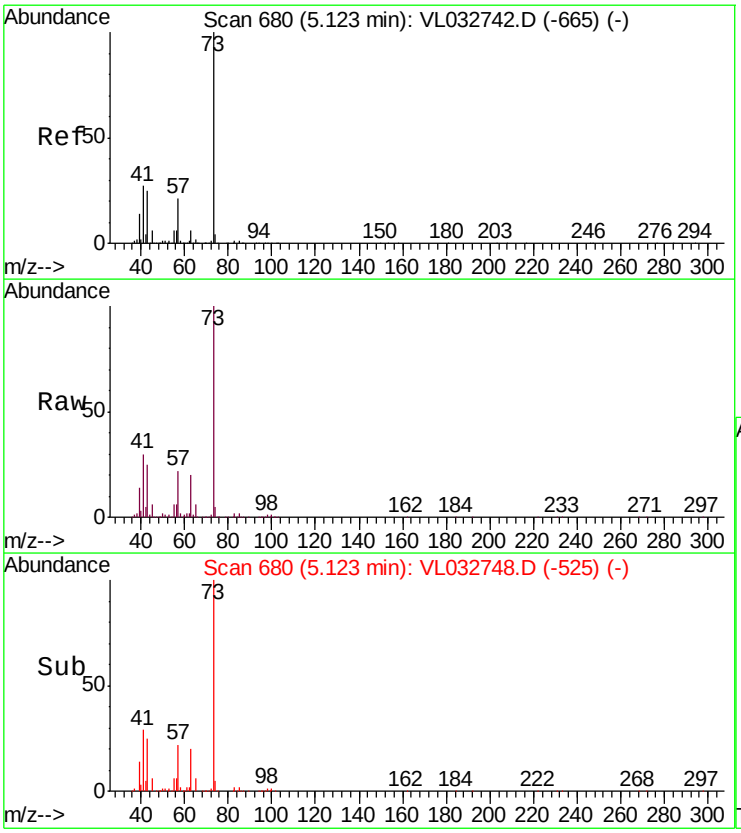
#27
Carbon Disulfide
Concen: 14.150 ppbv
RT: 4.63 min Scan# 526
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 76 Resp: 2751050

Ion	Ratio	Lower	Upper
76	100		
44	18.1	14.4	21.6
78	9.5	7.7	11.5

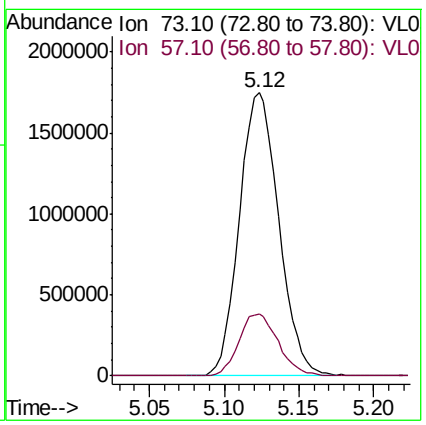


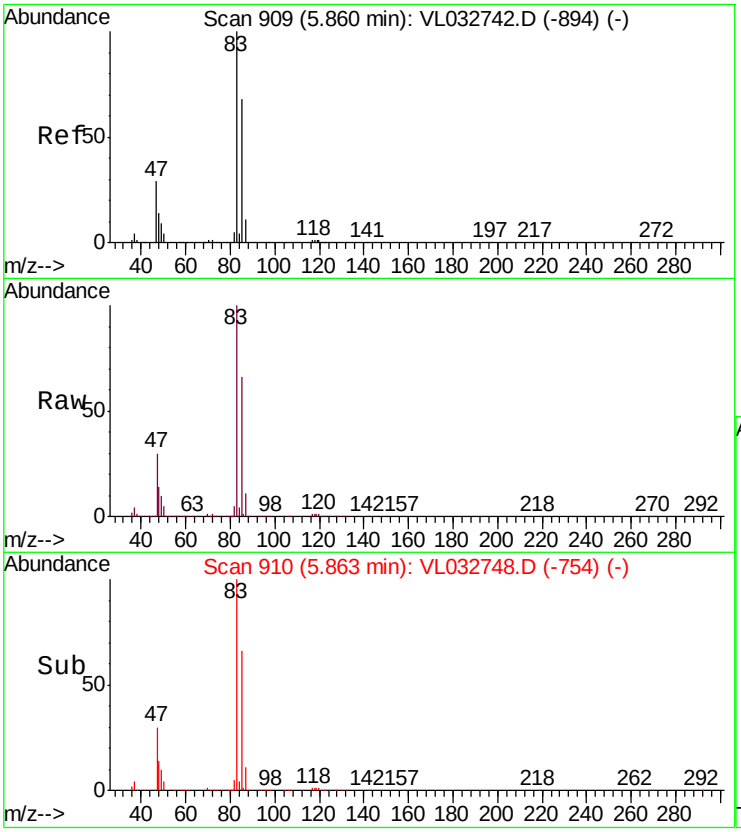


#28
Methyl tert-Butyl Ether
Concen: 13.334 ppbv
RT: 5.12 min Scan# 680
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 73 Resp: 3205577

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.5	26.3



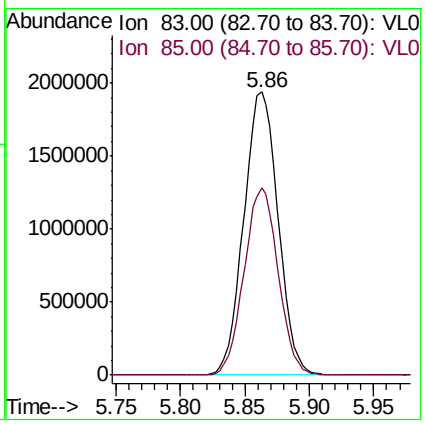


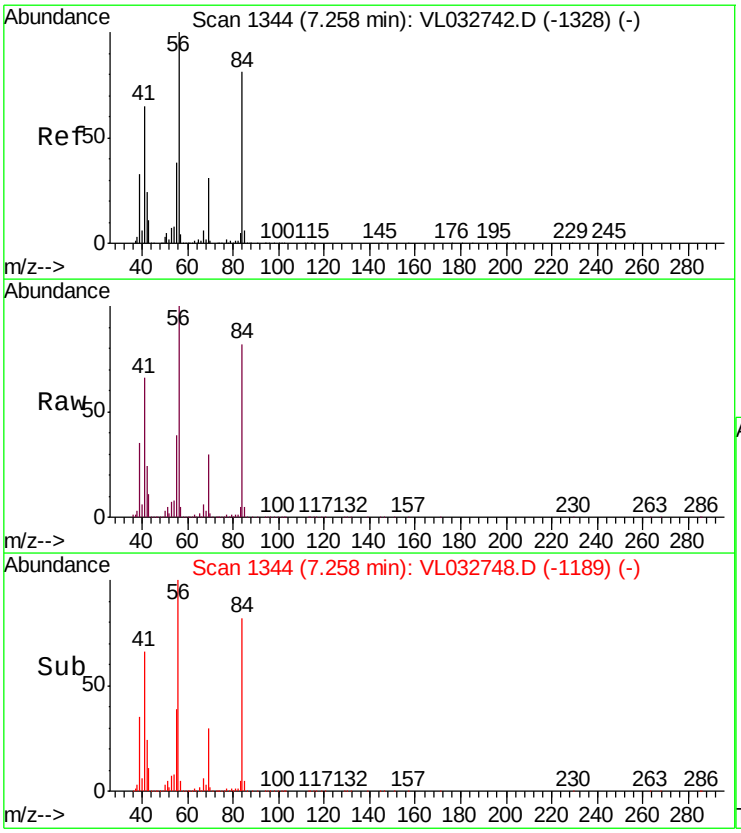
#29
Chloroform
Concen: 13.740 ppbv
RT: 5.86 min Scan# 910
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 3602899

Ion	Ratio	Lower	Upper
83	100		
85	66.3	54.2	81.4

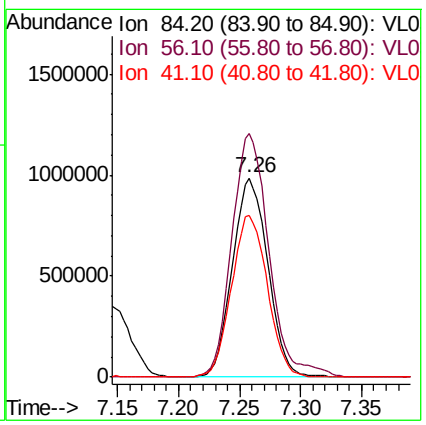


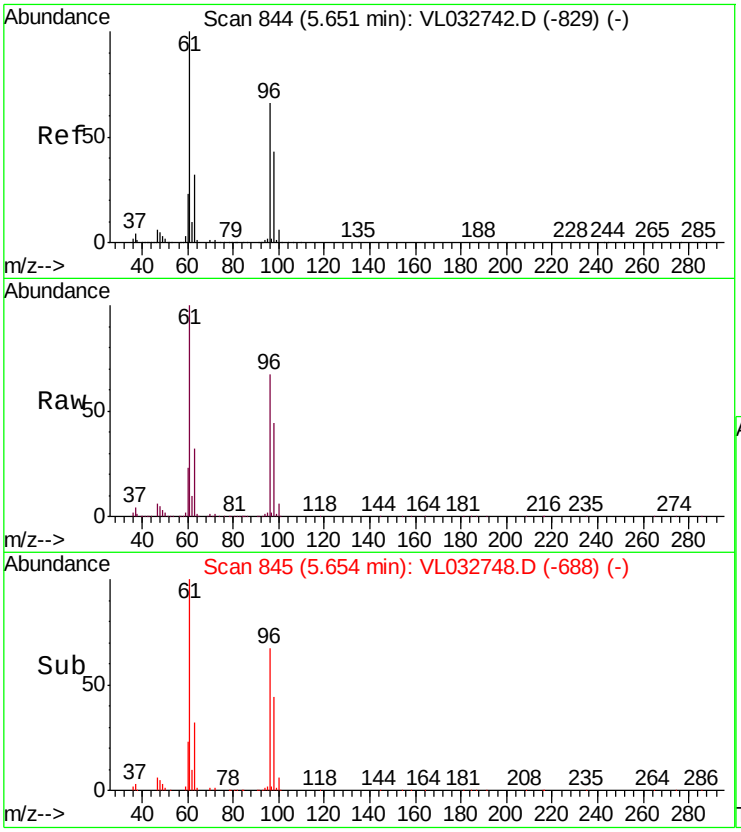


#30
Cyclohexane
Concen: 15.249 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 84 Resp: 1982751

Ion	Ratio	Lower	Upper
84	100		
56	128.8	105.0	157.4
41	82.1	65.3	97.9



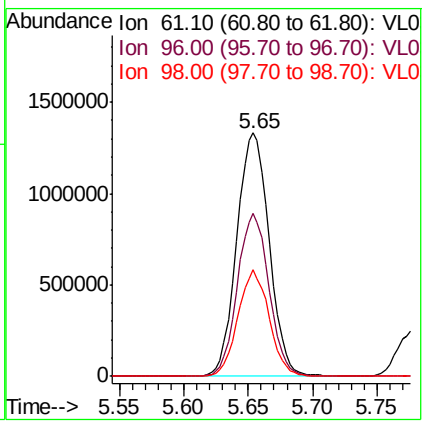


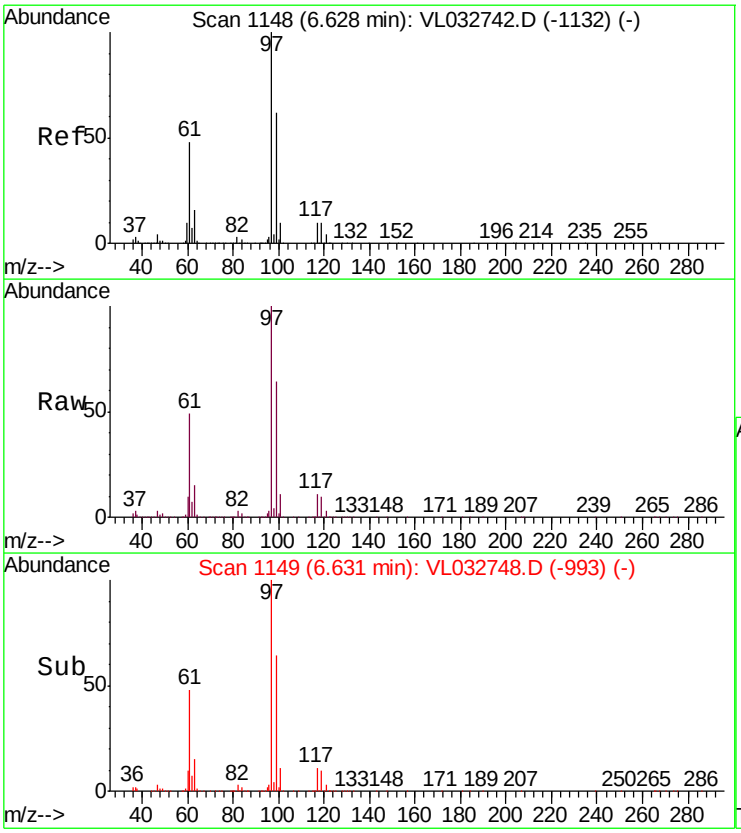
#31
cis-1,2-Dichloroethene
Concen: 15.388 ppbv
RT: 5.65 min Scan# 845
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 61 Resp: 2329328

Ion	Ratio	Lower	Upper
61	100		
96	67.2	53.2	79.8
98	43.8	34.4	51.6

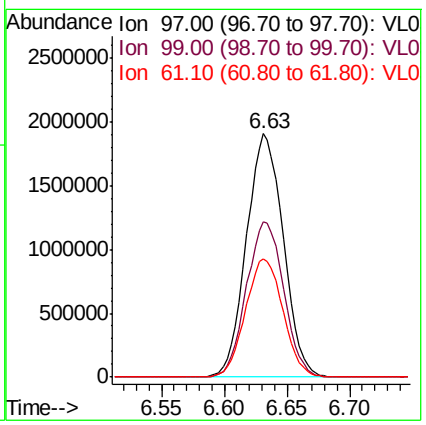


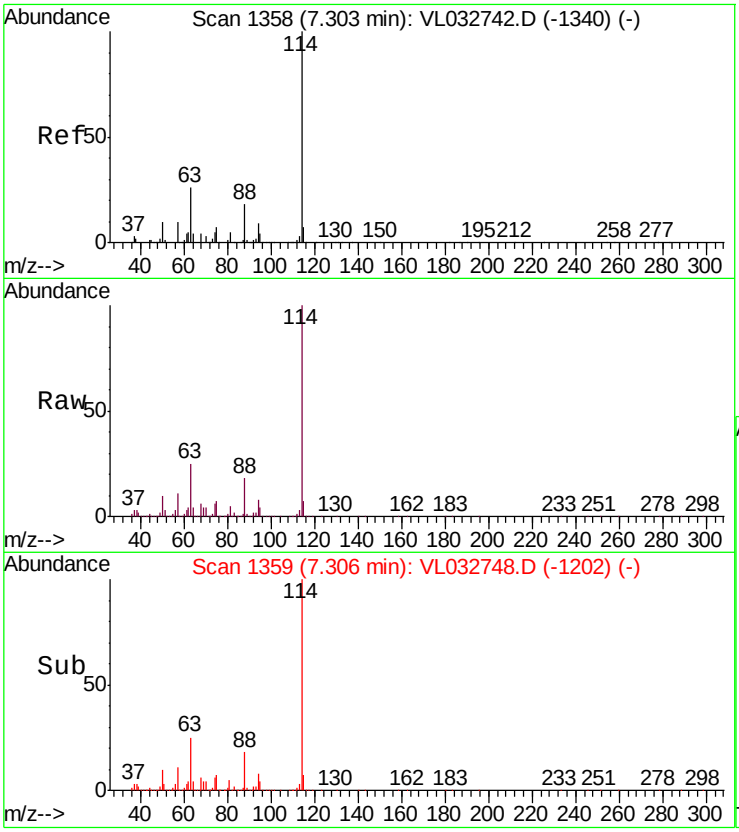


#32
1,1,1-Trichloroethane
Concen: 14.487 ppbv
RT: 6.63 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 97 Resp: 3894223

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.6
61	49.3	39.7	59.5



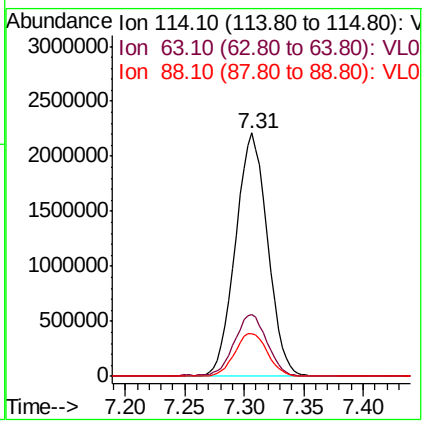


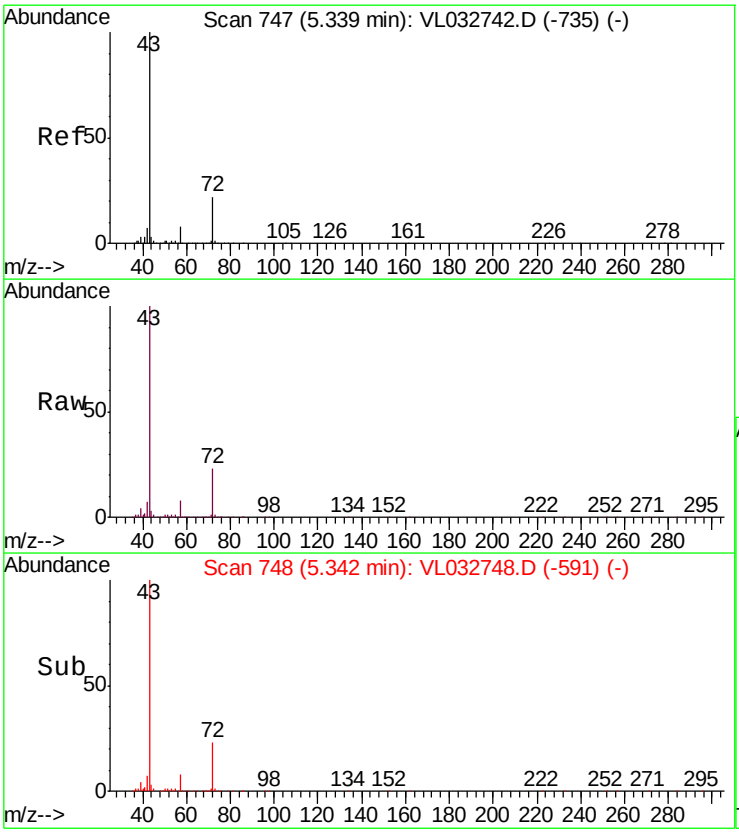
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.31 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:114 Resp: 4142139

Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.9	31.3
88	18.1	14.4	21.6

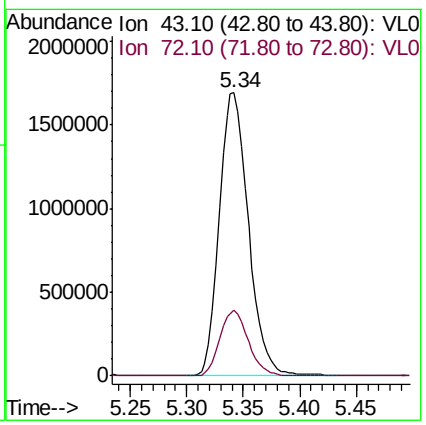


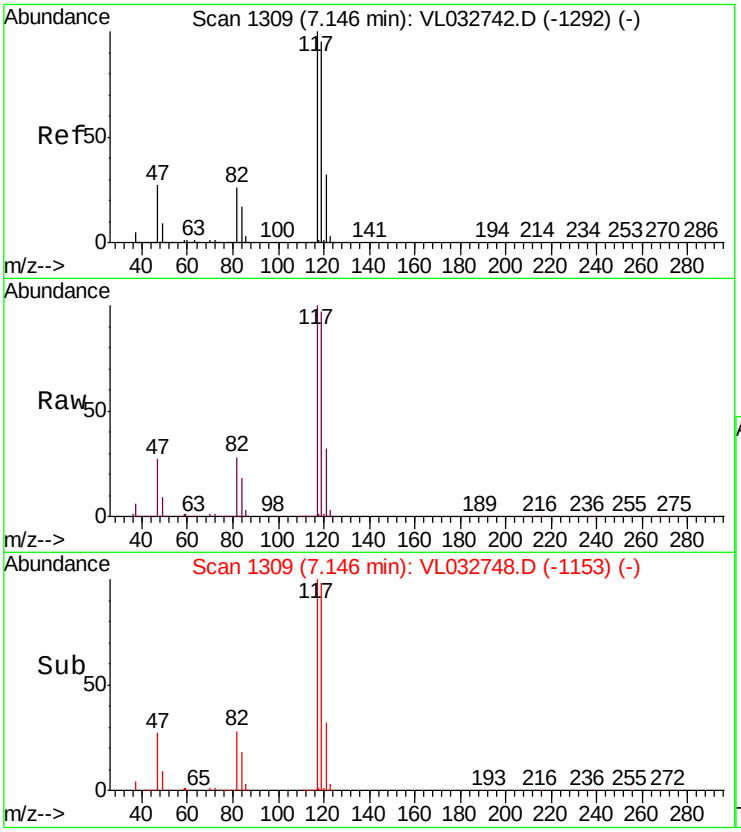


#34
2-Butanone
Concen: 13.592 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 43 Resp: 3021619

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.4	27.6



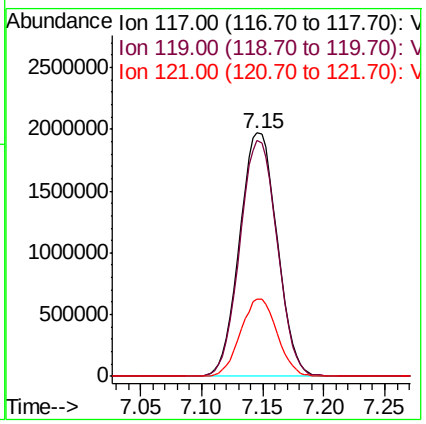


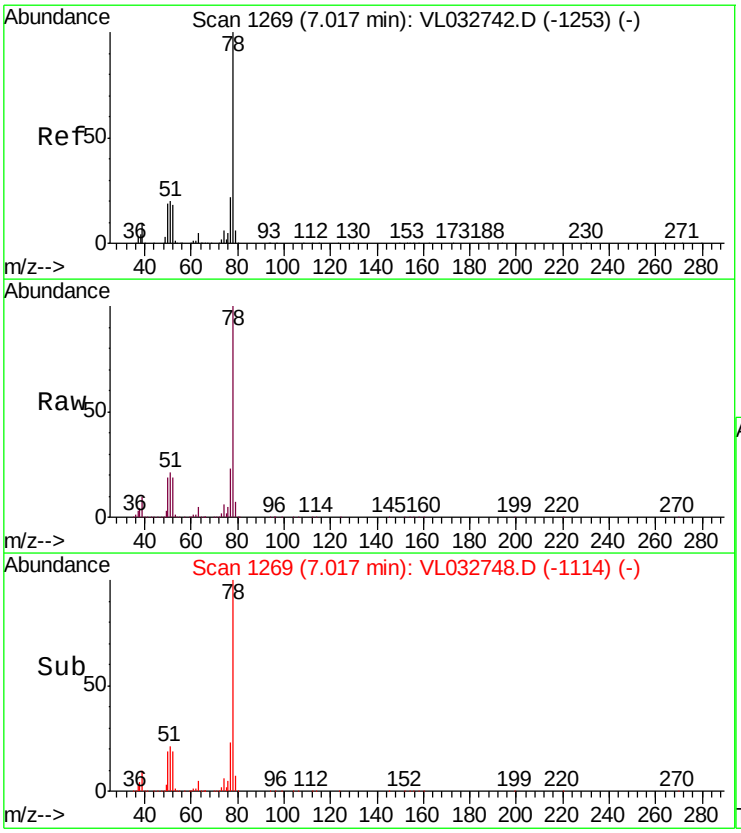
#35
Carbon Tetrachloride
Concen: 14.082 ppbv
RT: 7.15 min Scan# 1309
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 4180171

Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.1	114.1
121	31.5	25.4	38.0

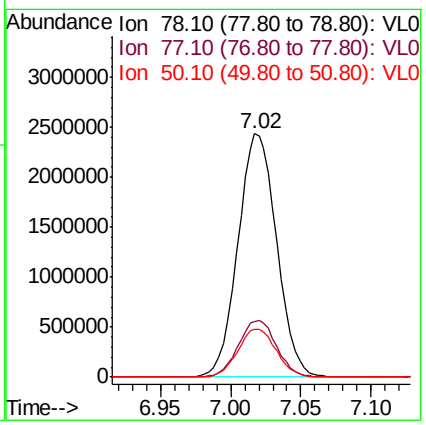


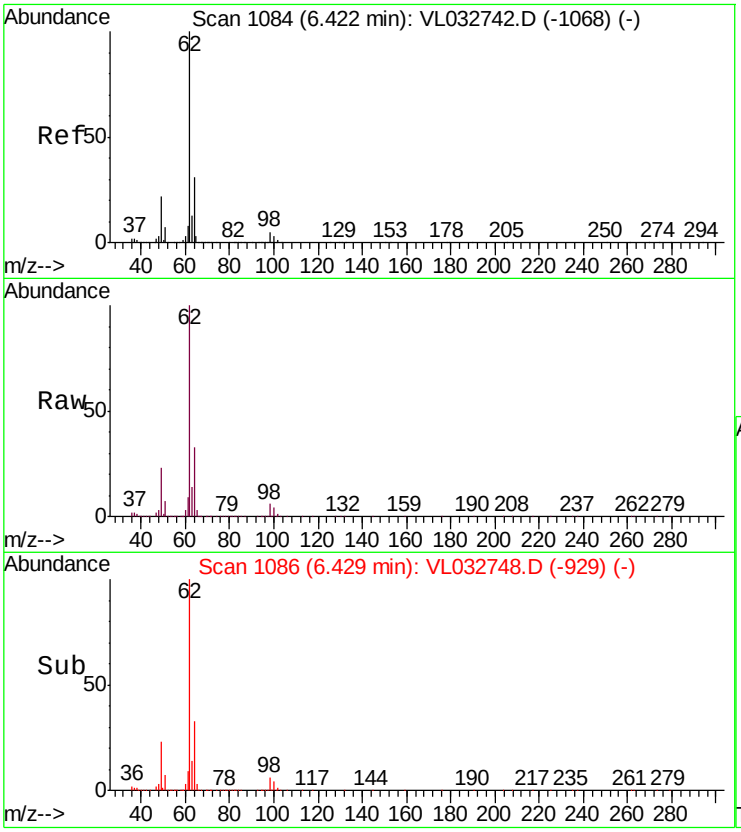


#36
Benzene
Concen: 13.962 ppbv
RT: 7.02 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 78 Resp: 4672406

Ion	Ratio	Lower	Upper
78	100		
77	23.0	17.8	26.8
50	19.4	15.4	23.0



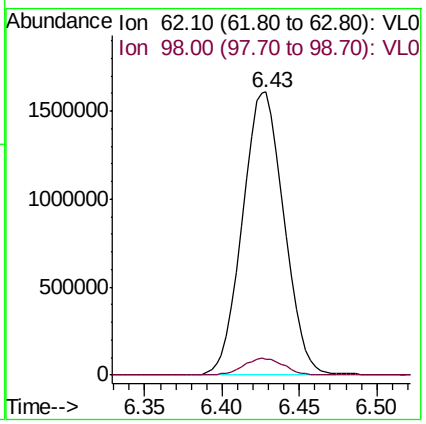


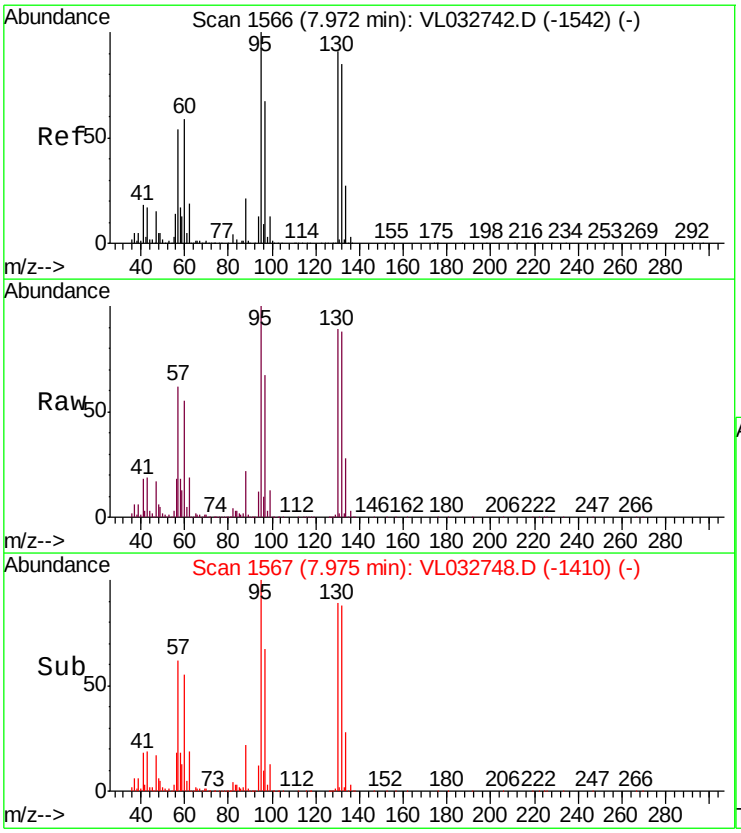
#37
1,2-Dichloroethane
Concen: 14.439 ppbv
RT: 6.43 min Scan# 1086
Delta R.T. 0.01 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 62 Resp: 3003266

Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.5	6.7

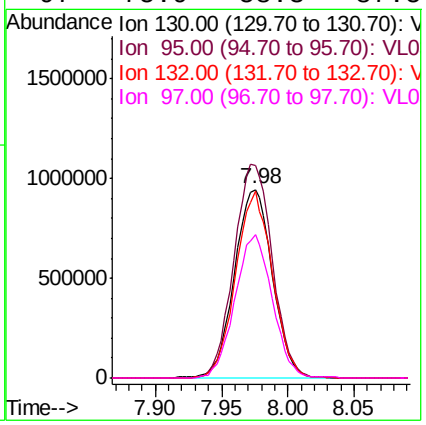


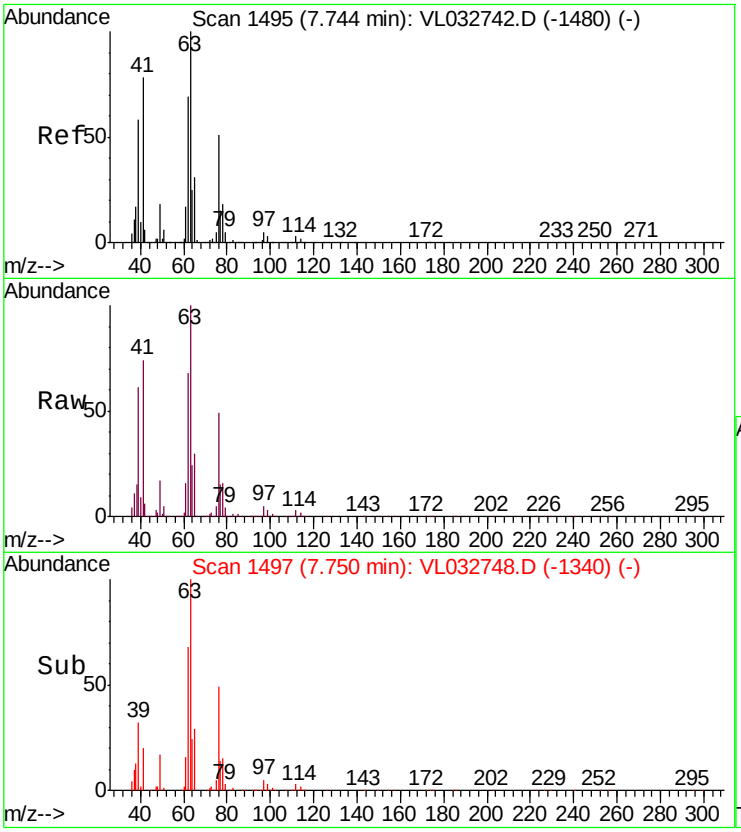


#38
Trichloroethene
Concen: 14.865 ppbv
RT: 7.98 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion:130 Resp: 1863021

Ion	Ratio	Lower	Upper
130	100		
95	112.5	87.7	131.5
132	98.8	74.6	111.8
97	75.9	58.3	87.5



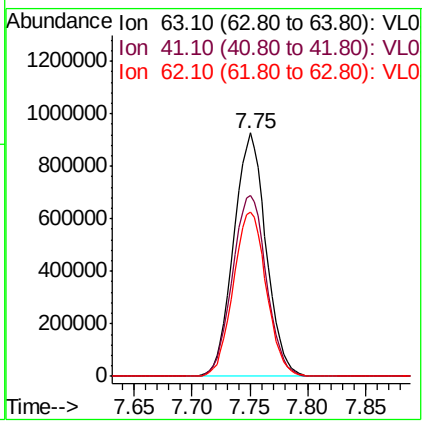


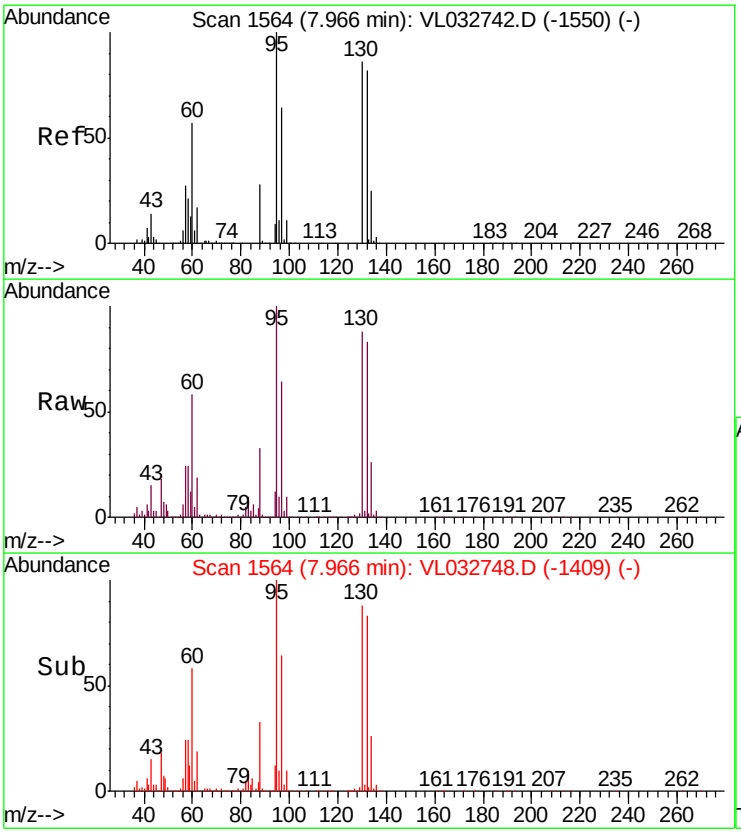
#39
1,2-Dichloropropane
Concen: 13.870 ppbv
RT: 7.75 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 63 Resp: 1791628

Ion	Ratio	Lower	Upper
63	100		
41	74.0	62.0	93.0
62	67.5	55.4	83.2

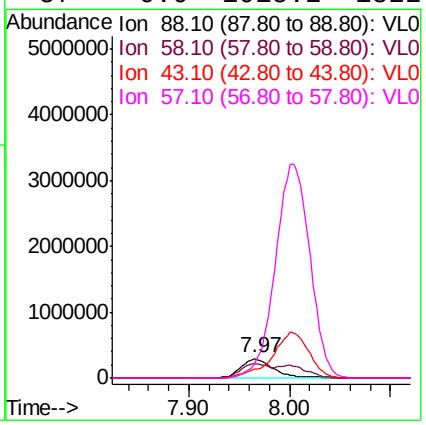


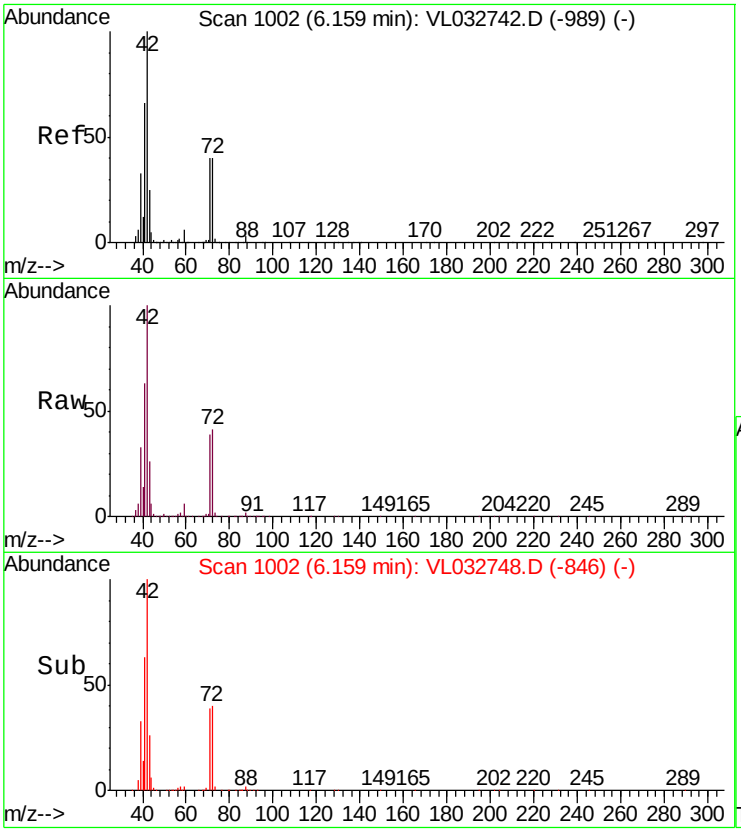


#40
1,4-Dioxane
Concen: 15.028 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 88 Resp: 660469

Ion	Ratio	Lower	Upper
88	100		
58	61.5	105.3	157.9#
43	0.0	226.1	339.1#
57	0.0	1015.2	1522.8#



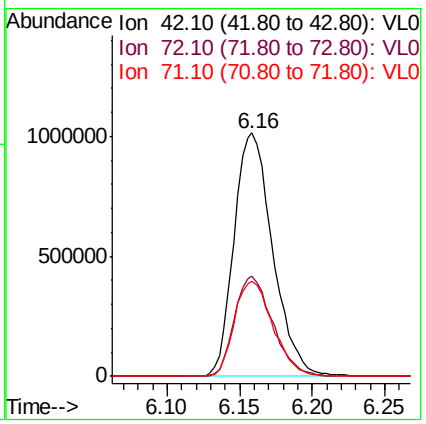


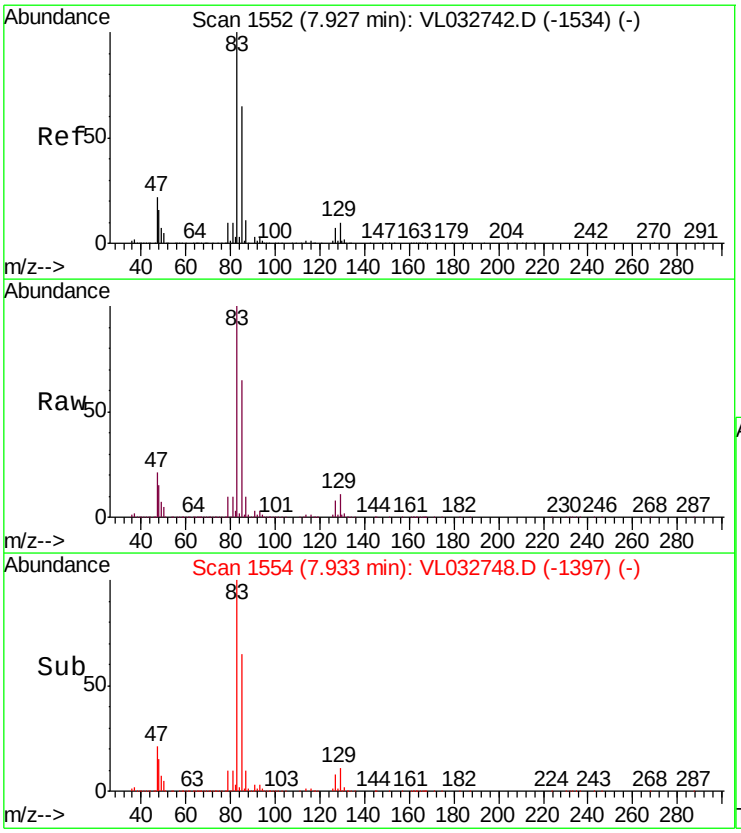
#41
Tetrahydrofuran
Concen: 15.225 ppbv
RT: 6.16 min Scan# 1002
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 42 Resp: 1873639

Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.4	48.6
71	39.1	31.6	47.4

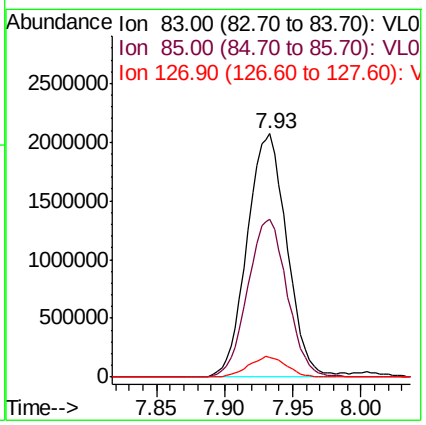


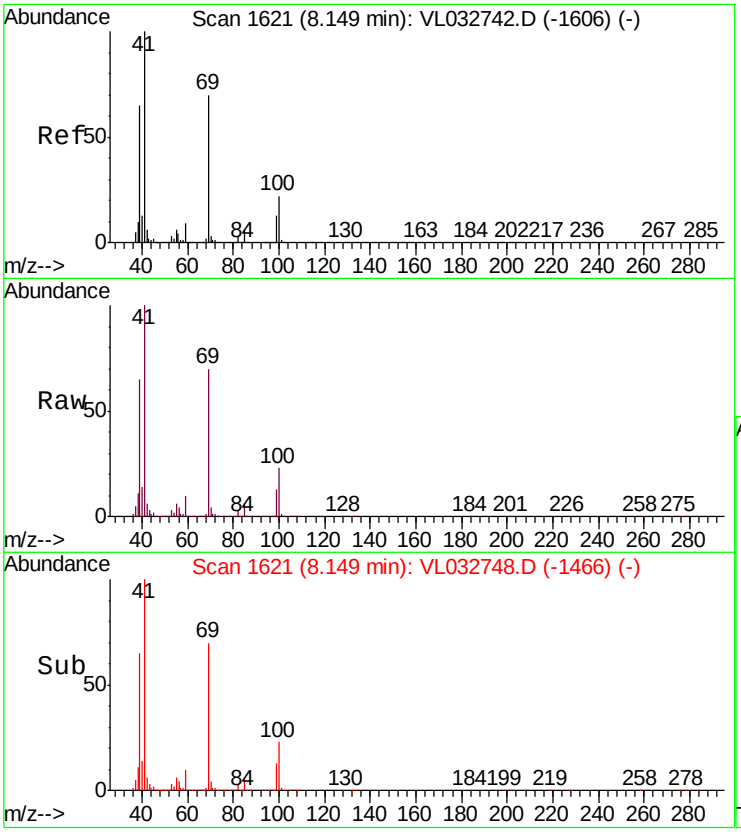


#42
Bromodichloromethane
Concen: 14.386 ppbv
RT: 7.93 min Scan# 1554
Delta R.T. 0.01 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 83 Resp: 4182193

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8
127	8.2	5.9	8.9



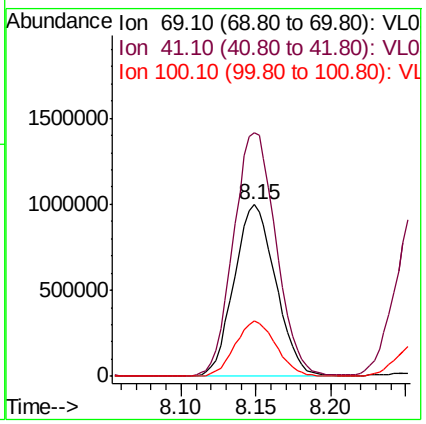


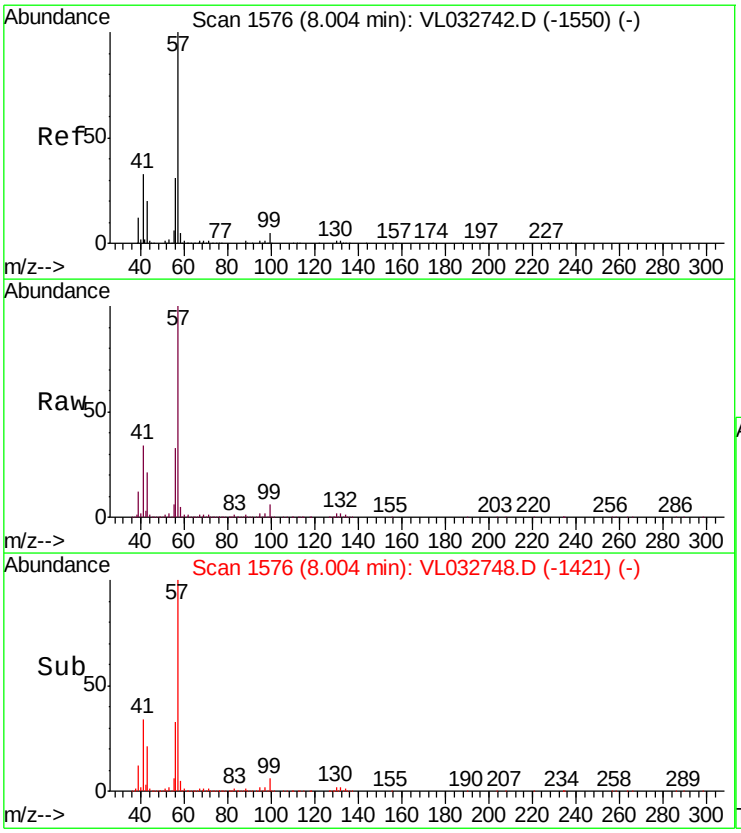
#43
Methyl Methacrylate
Concen: 15.681 ppbv
RT: 8.15 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 69 Resp: 1928285

Ion	Ratio	Lower	Upper
69	100		
41	145.6	115.0	172.4
100	31.9	25.4	38.0

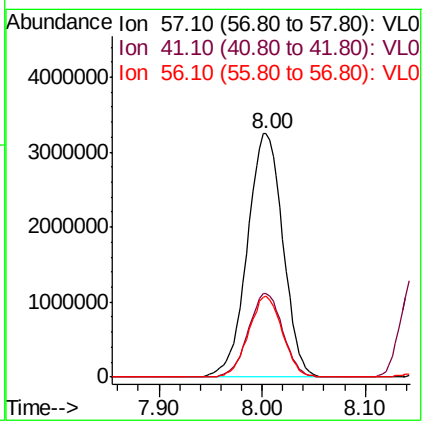


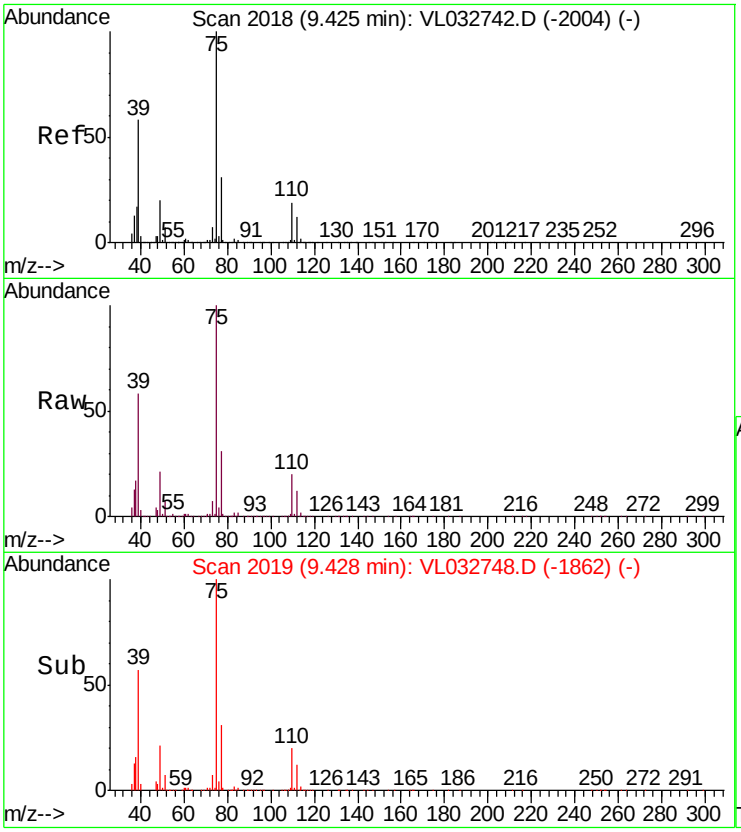


#44
2,2,4-Trimethylpentane
Concen: 13.574 ppbv
RT: 8.00 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 57 Resp: 7760567

Ion	Ratio	Lower	Upper
57	100		
41	33.3	26.6	39.8
56	31.5	24.8	37.2



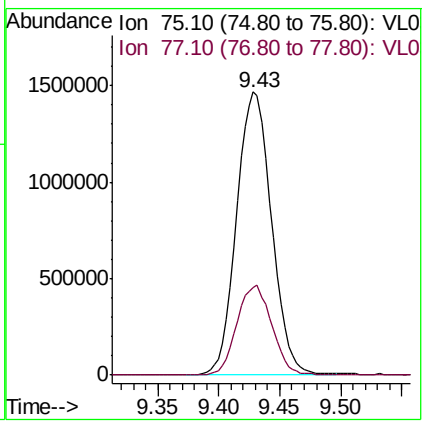


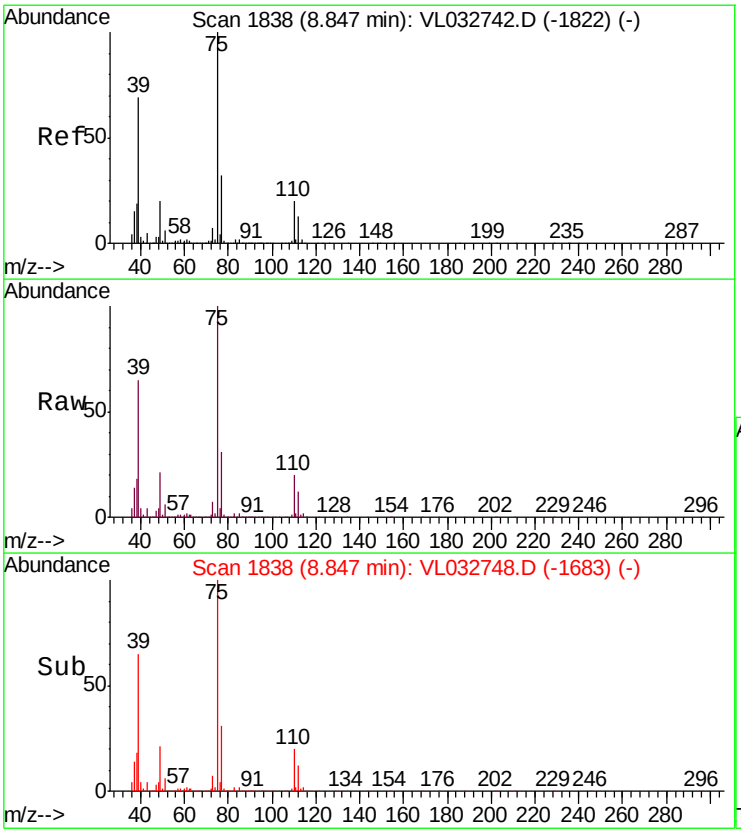
#45
t-1,3-Dichloropropene
Concen: 17.618 ppbv
RT: 9.43 min Scan# 2019
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 75 Resp: 2900955

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.6	36.8

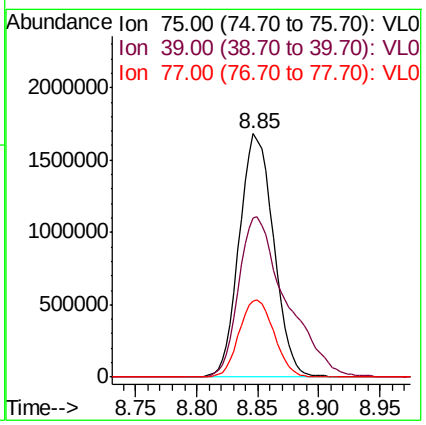


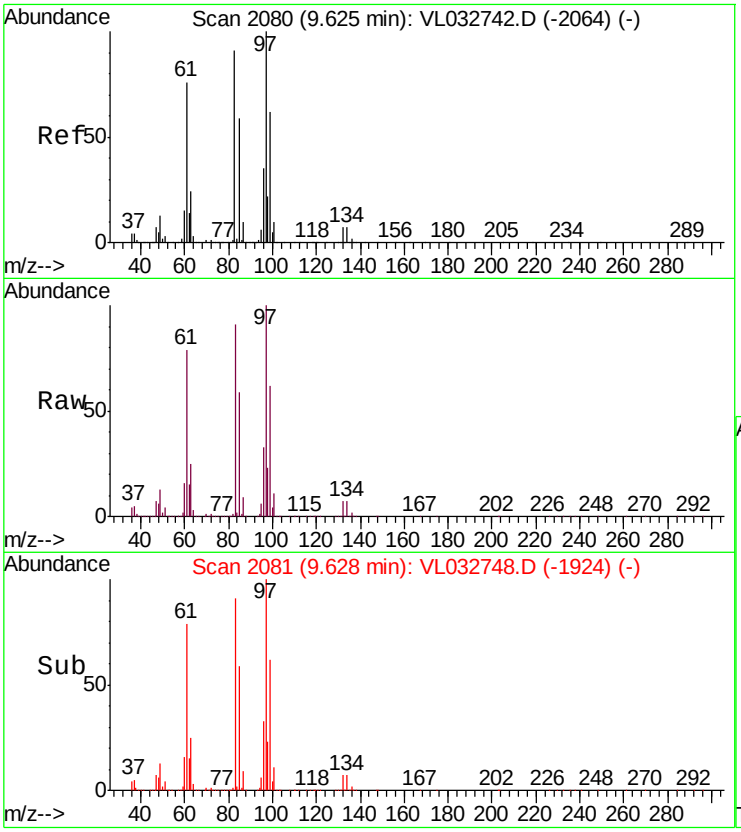


#46
cis-1,3-Dichloropropene
Concen: 17.068 ppbv
RT: 8.85 min Scan# 1838
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 75 Resp: 3263888

Ion	Ratio	Lower	Upper
75	100		
39	65.4	55.2	82.8
77	31.2	25.8	38.6



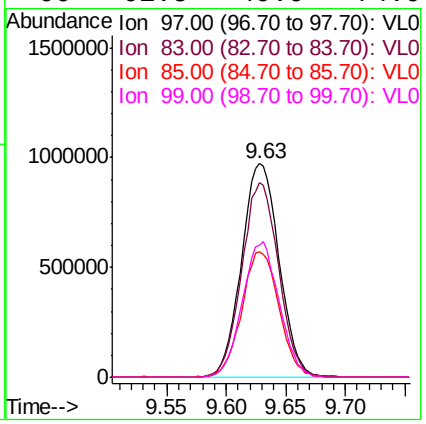


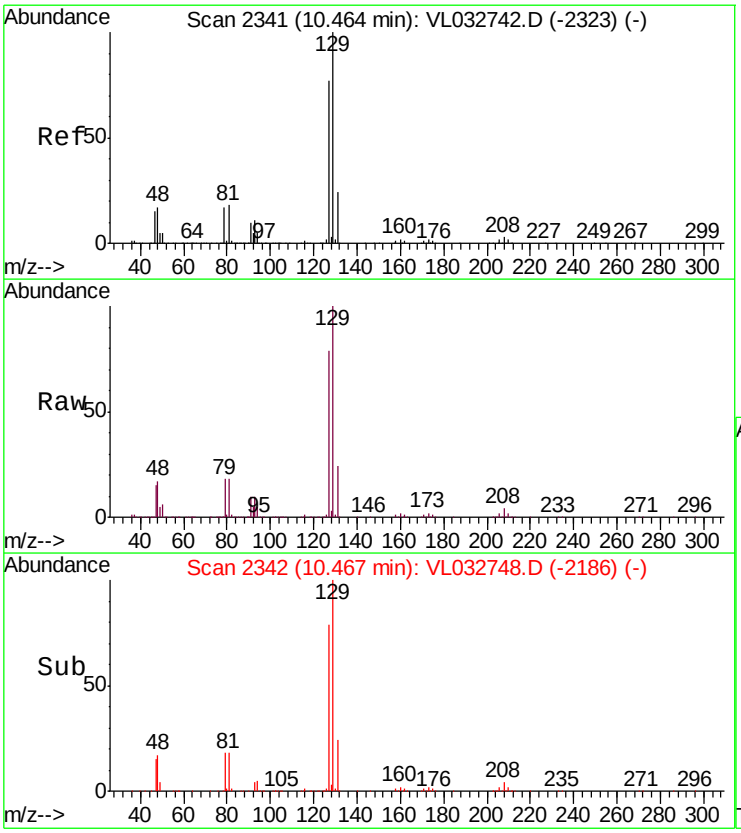
#47
1,1,2-Trichloroethane
Concen: 13.916 ppbv
RT: 9.63 min Scan# 2081
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 97 Resp: 2124257

Ion	Ratio	Lower	Upper
97	100		
83	90.7	73.0	109.4
85	58.9	47.0	70.4
99	61.5	49.9	74.9

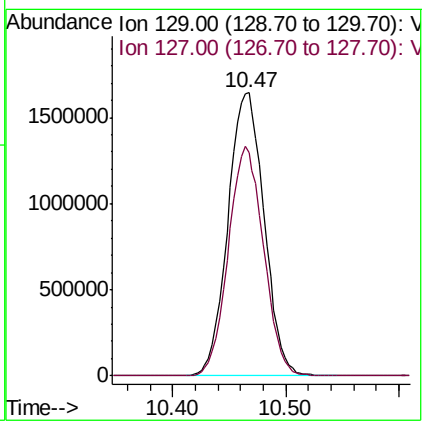


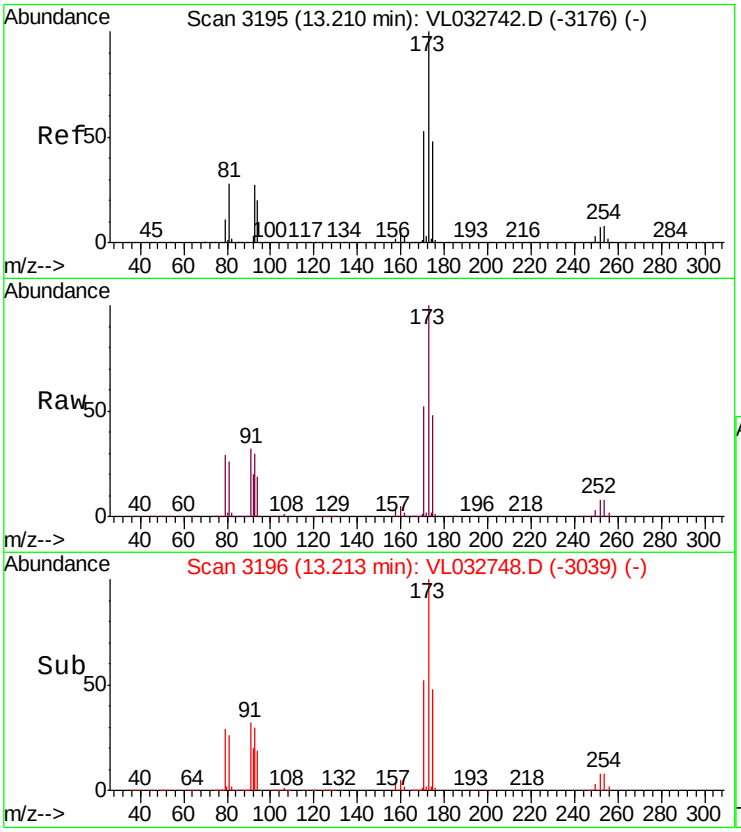


#48
Dibromochloromethane
Concen: 14.204 ppbv
RT: 10.47 min Scan# 2342
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion:129 Resp: 3652289

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.0	117.0



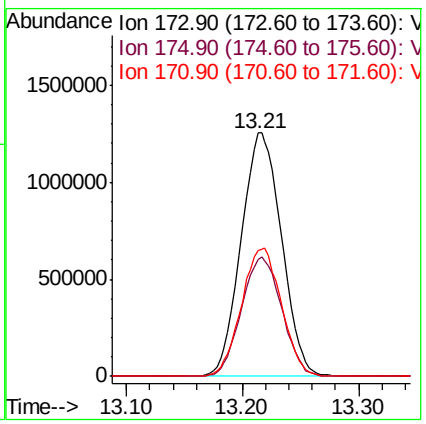


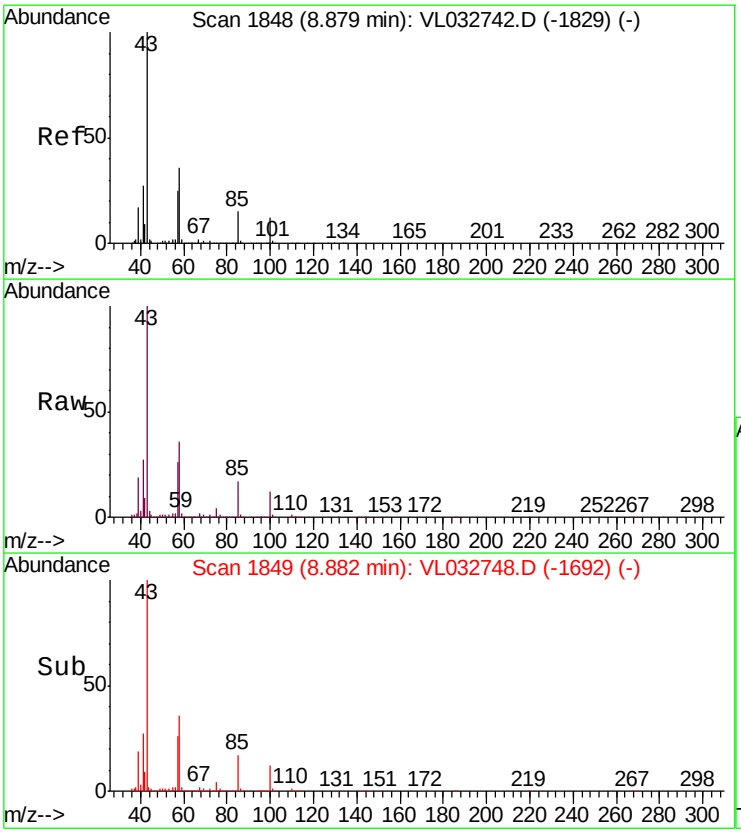
#49
Bromoform
Concen: 15.070 ppbv
RT: 13.21 min Scan# 3196
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:173 Resp: 3042631

Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.4	59.0
171	52.1	42.0	63.0

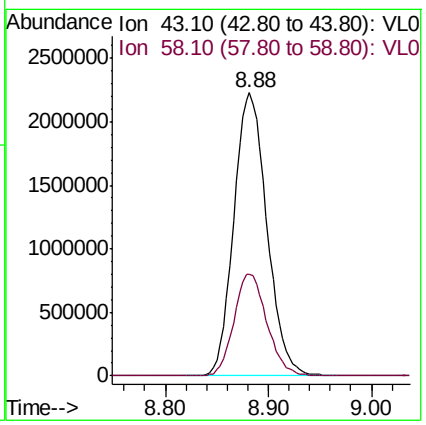


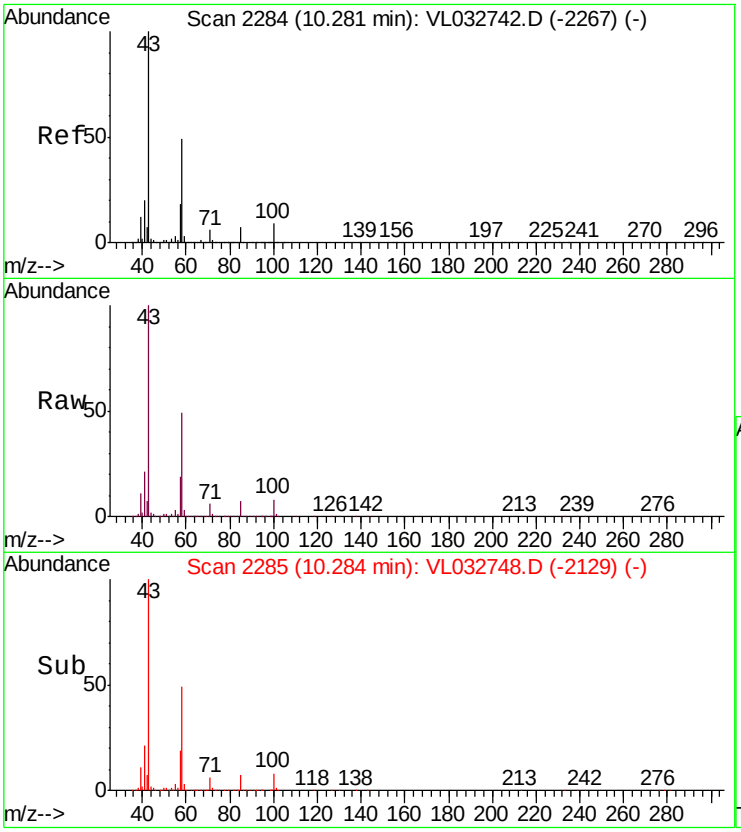


#50
4-Methyl-2-Pentanone
Concen: 14.948 ppbv
RT: 8.88 min Scan# 1849
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 43 Resp: 4971946

Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.8	43.2



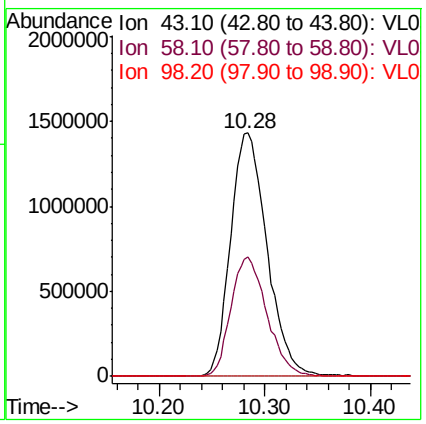


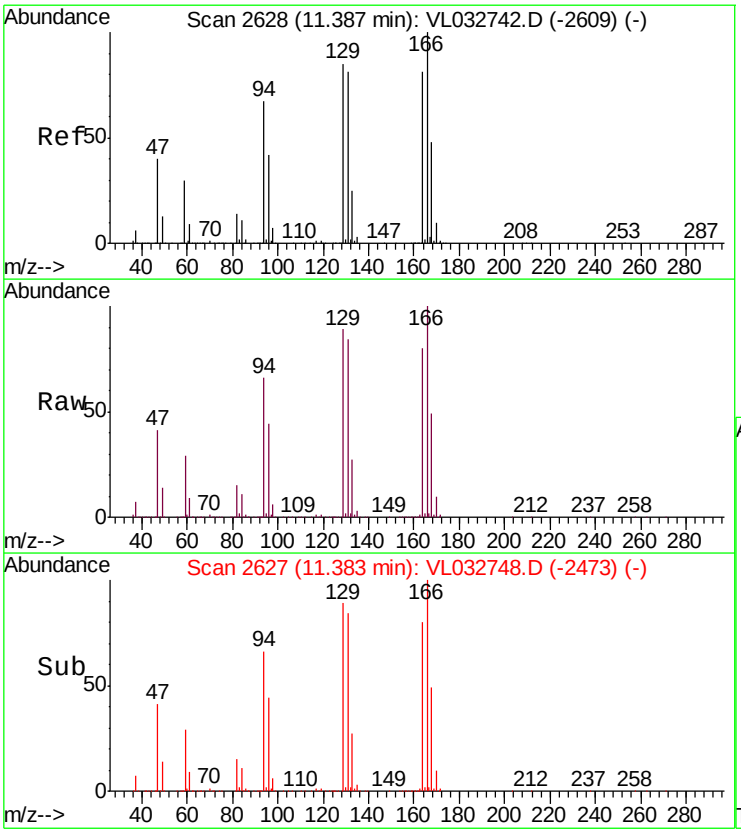
#51
2-Hexanone
Concen: 14.352 ppbv
RT: 10.28 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 43 Resp: 3435732

Ion	Ratio	Lower	Upper
43	100		
58	48.4	38.9	58.3
98	0.2	0.2	0.4#

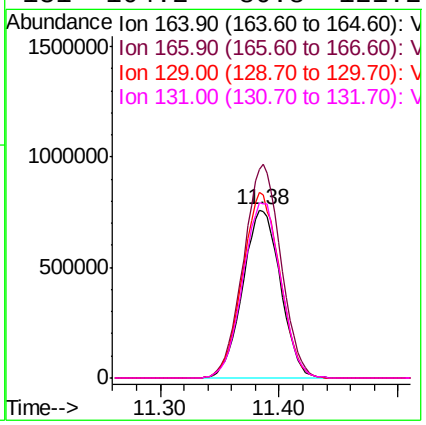


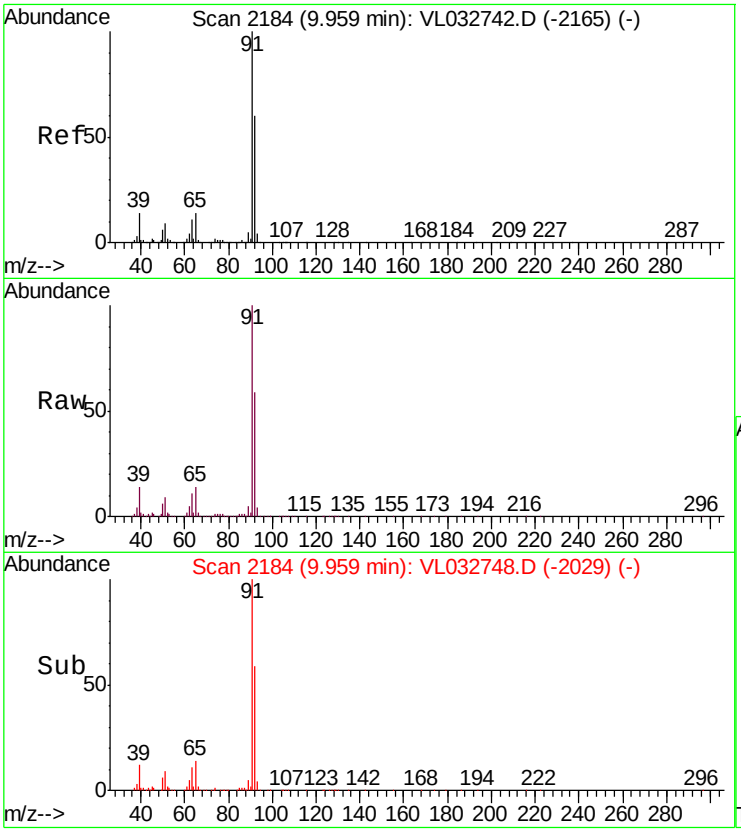


#52
Tetrachloroethene
Concen: 14.162 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion:164 Resp: 1660685

Ion	Ratio	Lower	Upper
164	100		
166	124.5	99.3	148.9
129	110.4	83.9	125.9
131	104.2	80.8	121.2



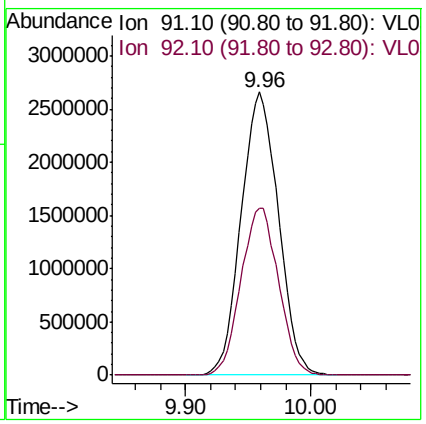


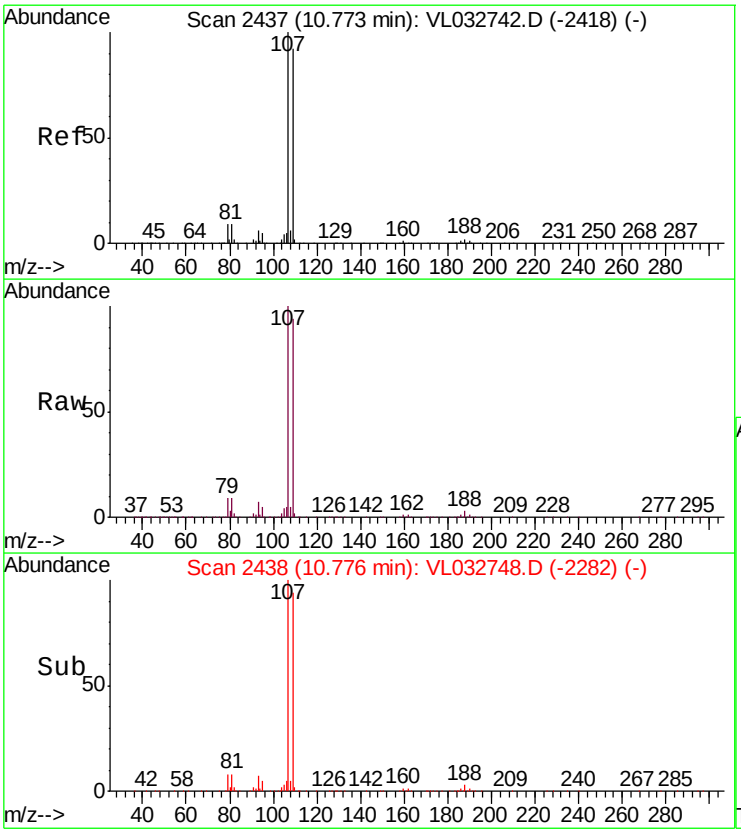
#53
Toluene
Concen: 14.493 ppbv
RT: 9.96 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 91 Resp: 5482112

Ion	Ratio	Lower	Upper
91	100		
92	59.8	47.9	71.9

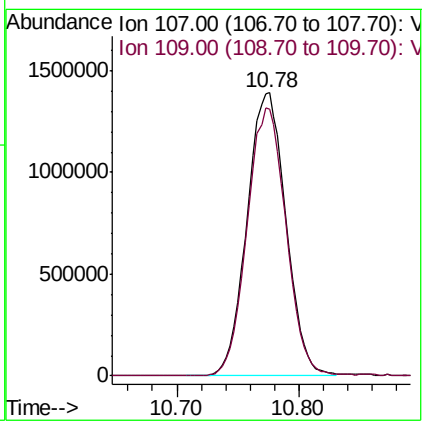


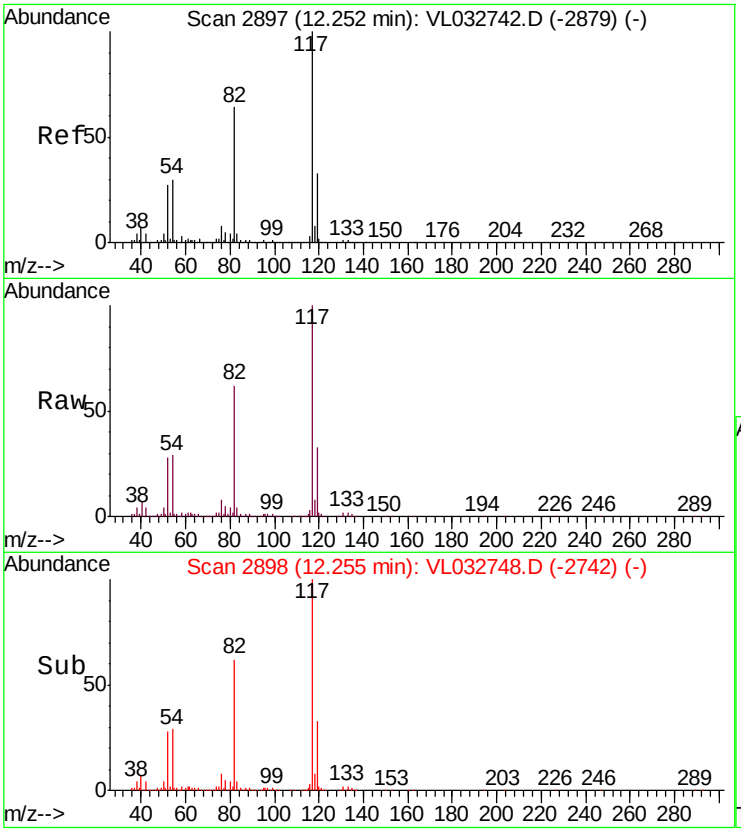


#54
1,2-Dibromoethane
Concen: 14.910 ppbv
RT: 10.78 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion:107 Resp: 3061096

Ion	Ratio	Lower	Upper
107	100		
109	94.1	73.8	110.8



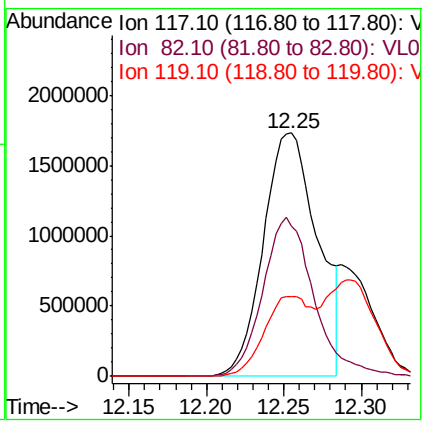


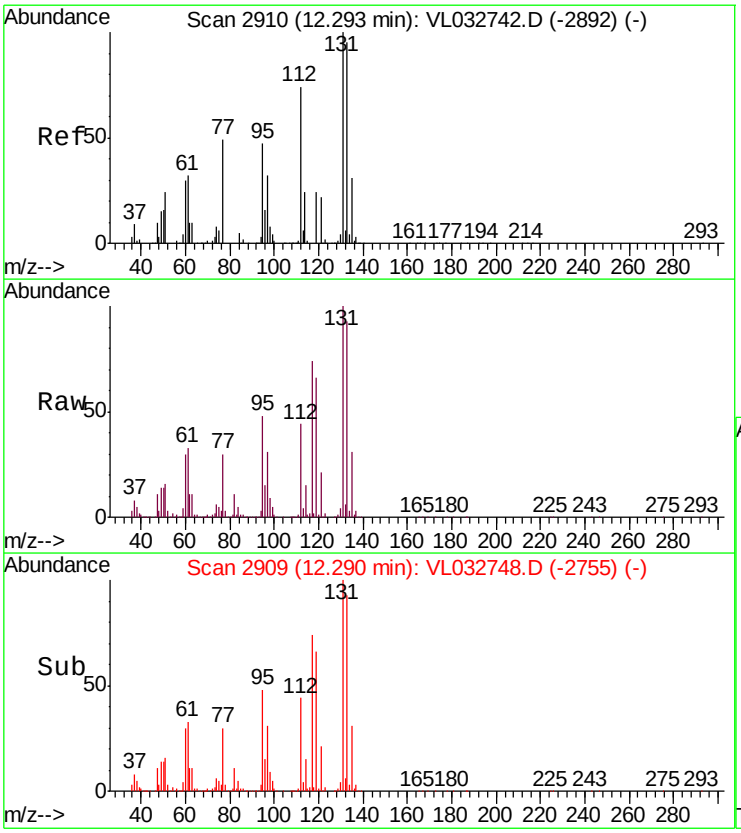
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 4226238

Ion	Ratio	Lower	Upper
117	100		
82	61.8	51.0	76.6
119	27.0	28.0	42.0#

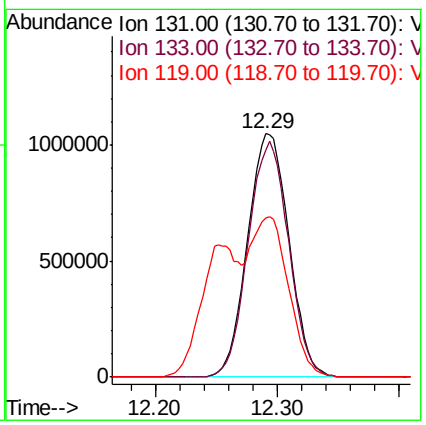


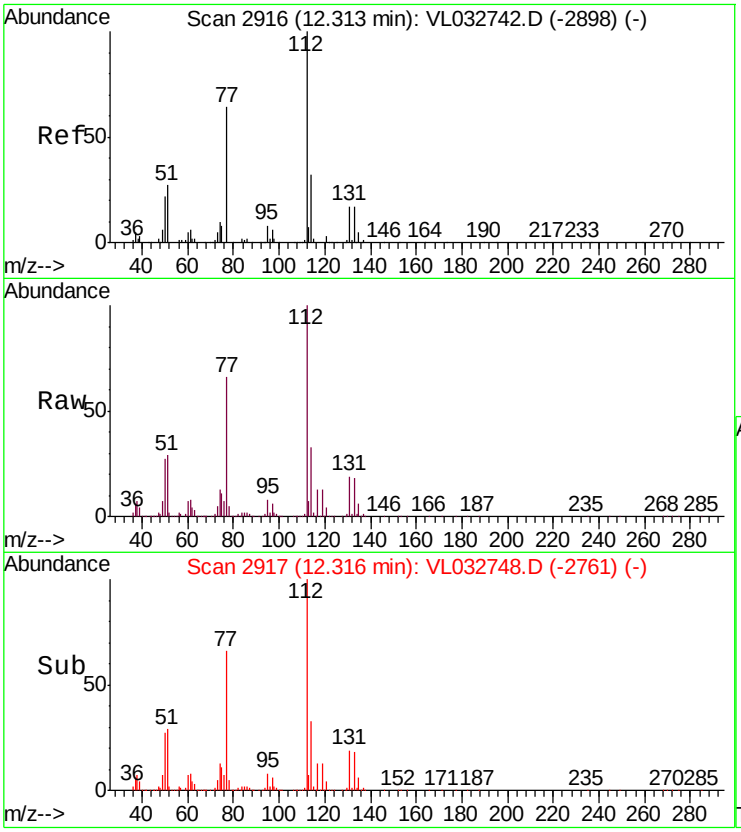


#56
1,1,1,2-Tetrachloroethane
Concen: 13.097 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion:131 Resp: 2458749

Ion	Ratio	Lower	Upper
131	100		
133	94.8	75.8	113.6
119	66.7	45.2	67.8



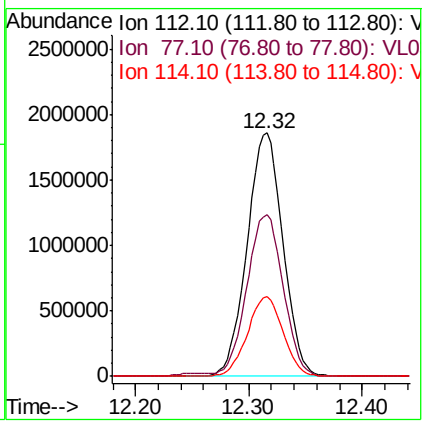


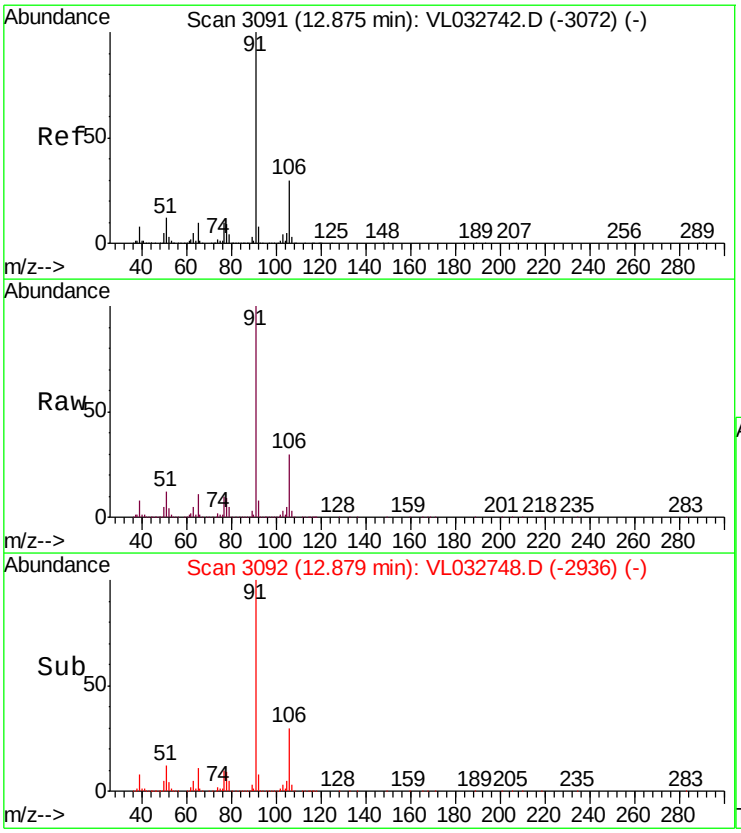
#57
Chlorobenzene
Concen: 13.038 ppbv
RT: 12.32 min Scan# 2917
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion:112 Resp: 4099481

Ion	Ratio	Lower	Upper
112	100		
77	66.2	52.3	78.5
114	32.5	28.4	34.8

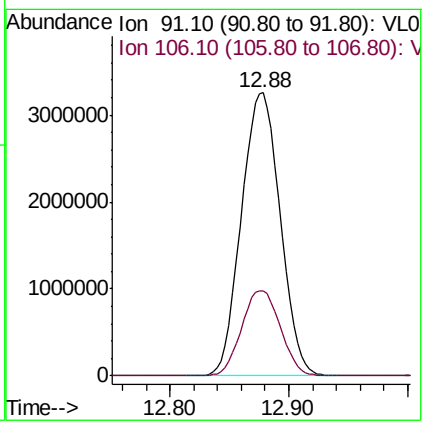


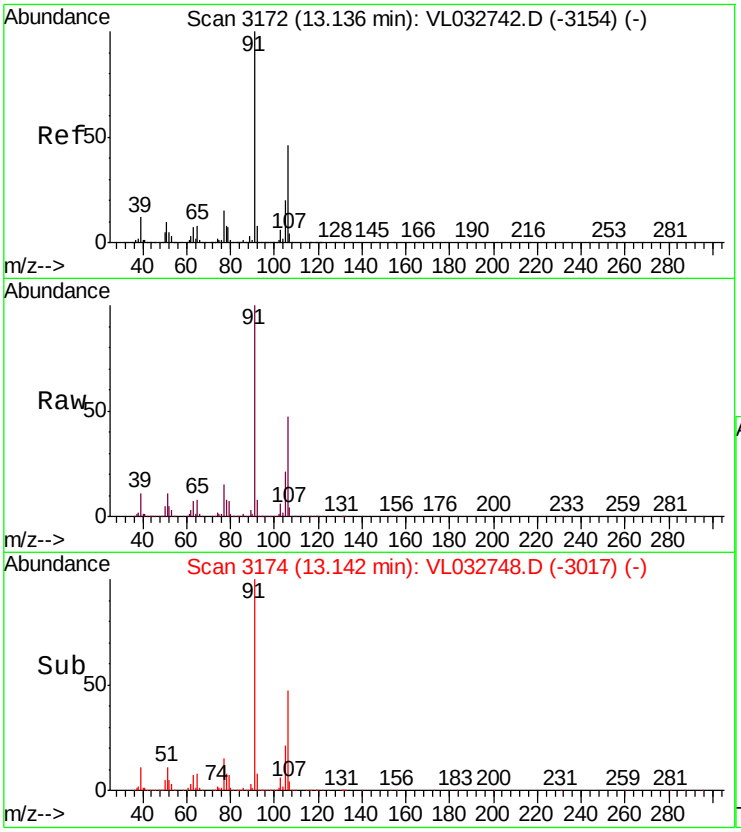


#58
Ethyl Benzene
Concen: 14.822 ppbv
RT: 12.88 min Scan# 3092
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 91 Resp: 7352630

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.6	35.4



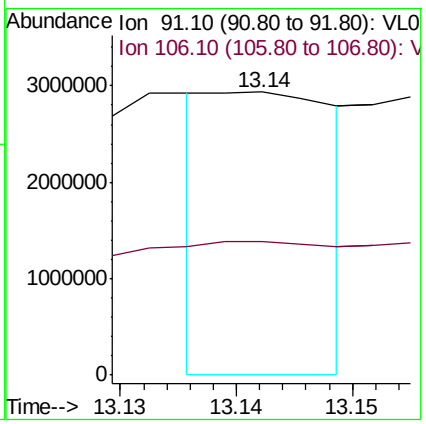


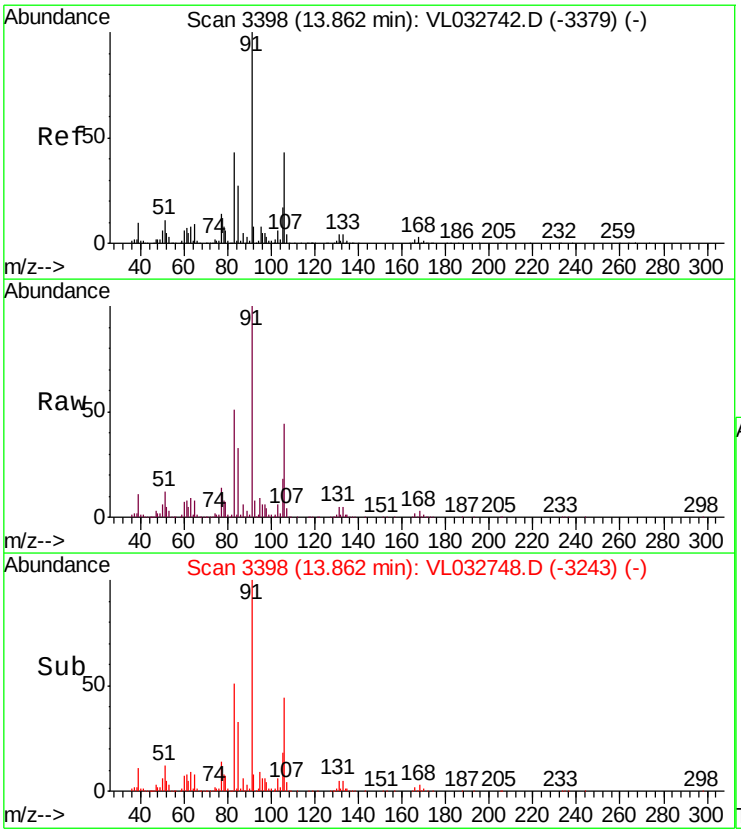
#59
m/p-Xylene
Concen: 5.028 ppbv
RT: 13.14 min Scan# 3174
Delta R.T. 0.01 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 91 Resp: 2219650

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#

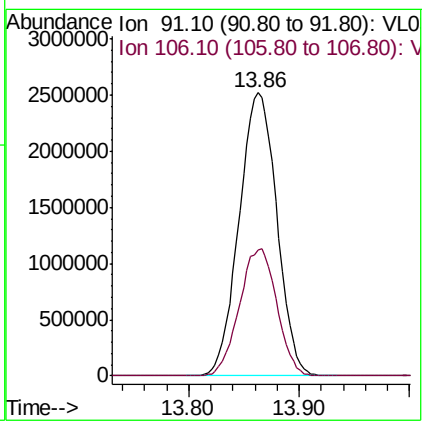


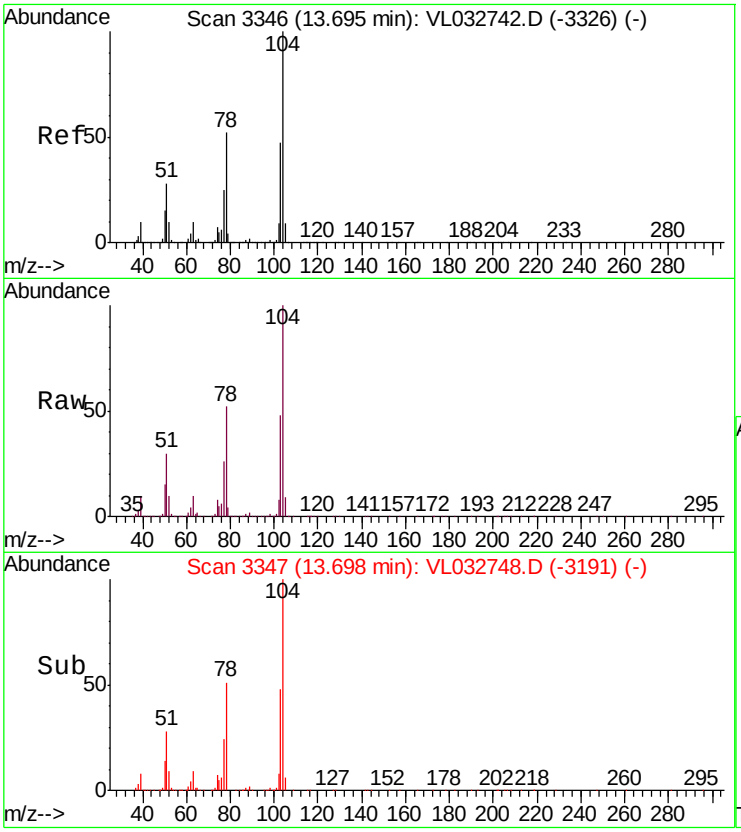


#60
o-Xylene
Concen: 13.929 ppbv
RT: 13.86 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 91 Resp: 5972381

Ion	Ratio	Lower	Upper
91	100		
106	44.6	21.9	65.7



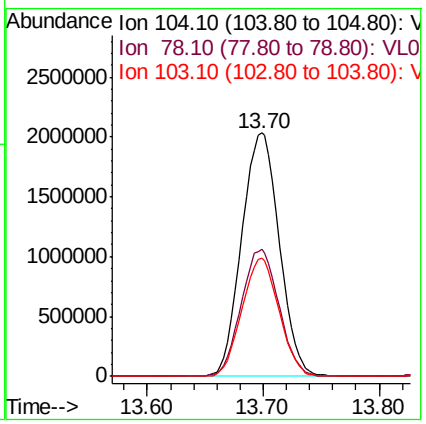


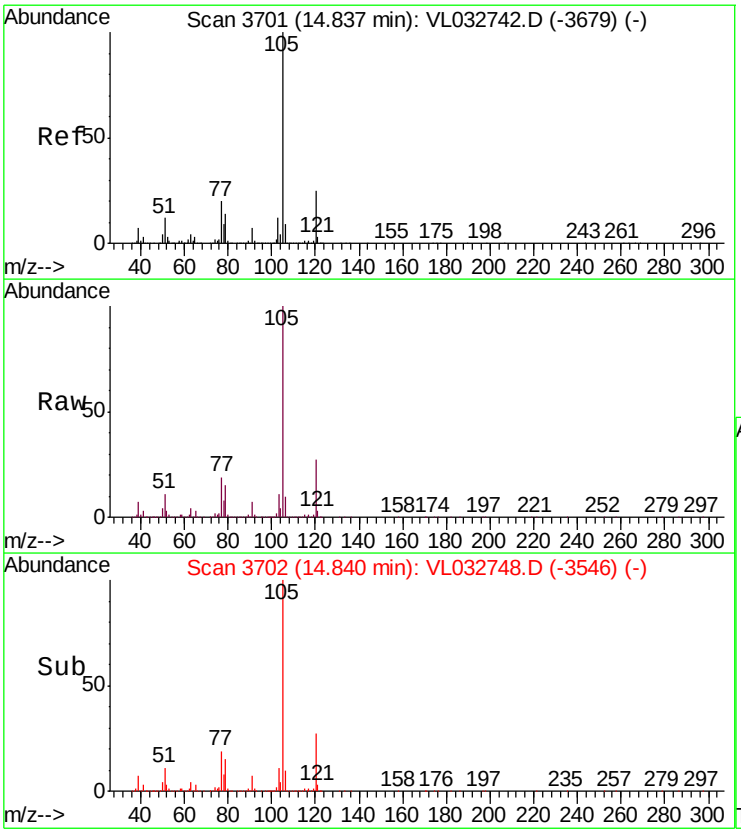
#61
Styrene
Concen: 15.970 ppbv
RT: 13.70 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:104 Resp: 4581499

Ion	Ratio	Lower	Upper
104	100		
78	52.5	42.2	63.4
103	48.0	38.2	57.2

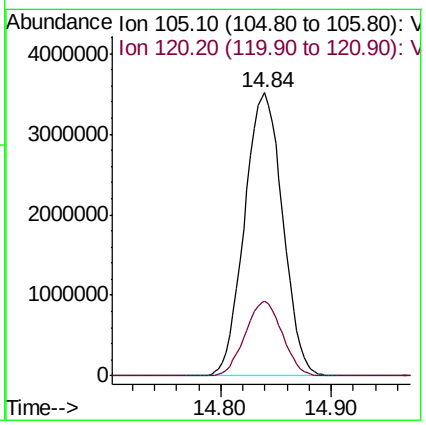


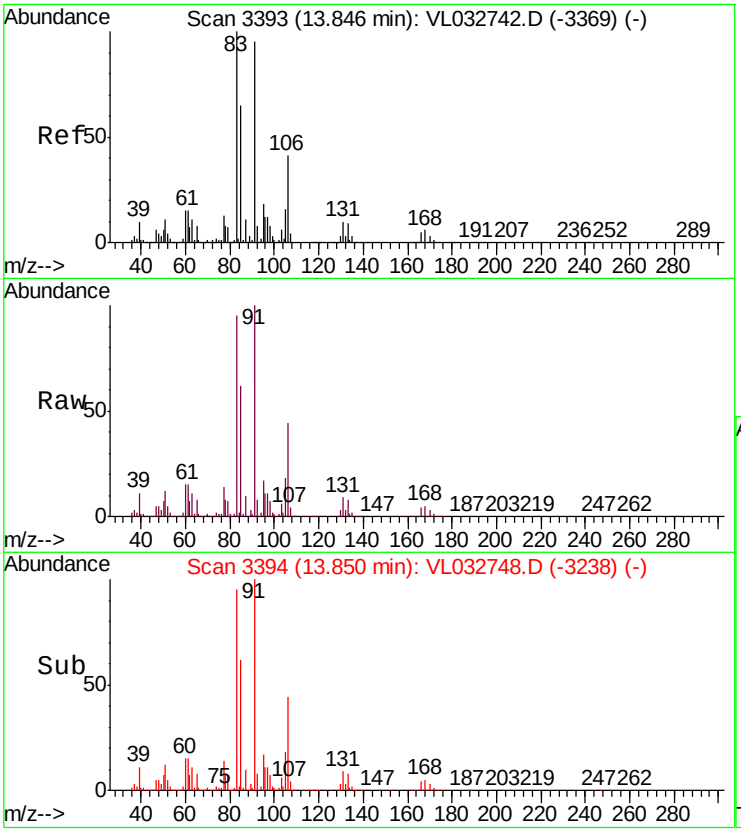


#62
Isopropylbenzene
Concen: 13.891 ppbv
RT: 14.84 min Scan# 3702
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion:105 Resp: 8413753

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.1	30.1



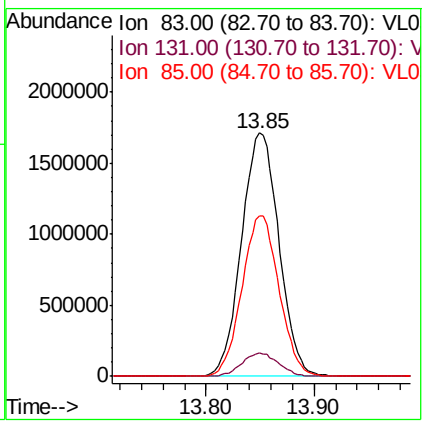


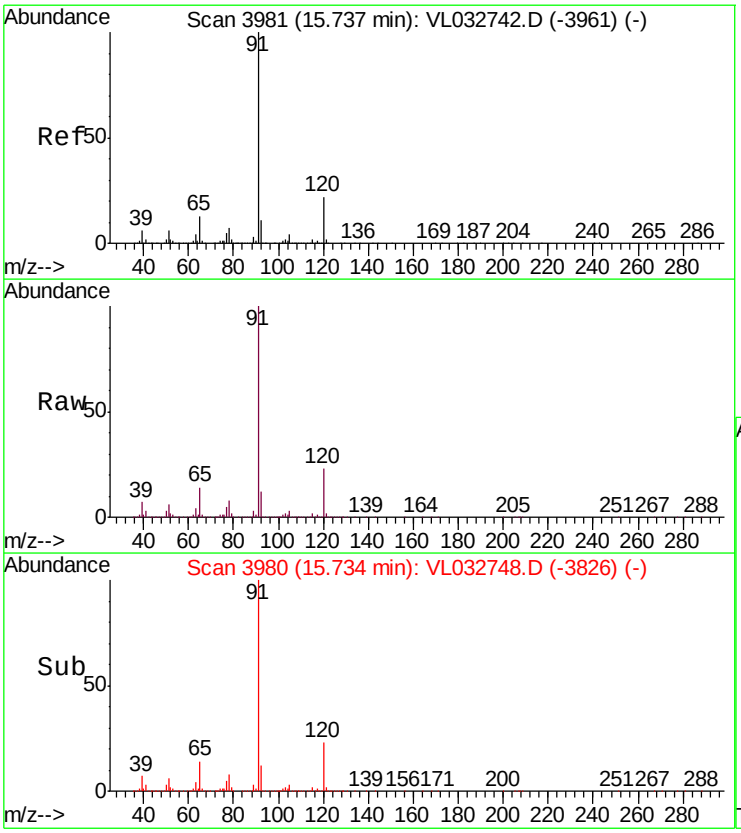
#63
1,1,2,2-Tetrachloroethane
Concen: 12.390 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 83 Resp: 4129951

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.1
85	65.5	32.5	97.4

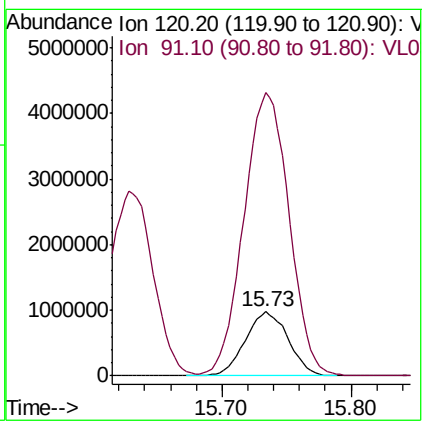


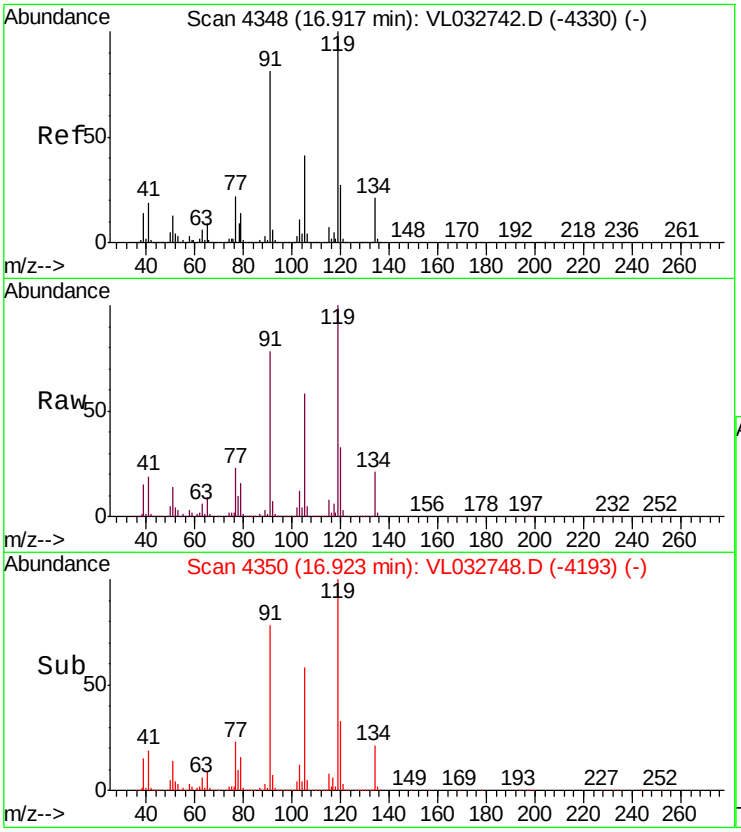


#64
n-propylbenzene
Concen: 15.002 ppbv
RT: 15.73 min Scan# 3980
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion:120 Resp: 2275404

Ion	Ratio	Lower	Upper
120	100		
91	463.8	381.7	572.5



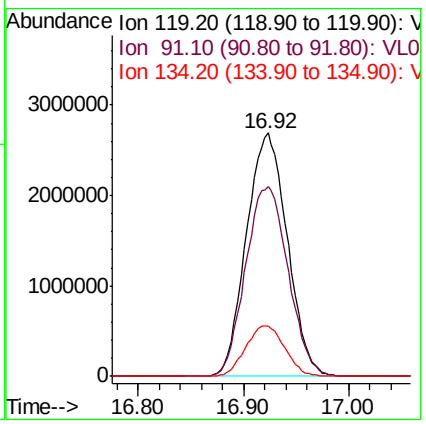


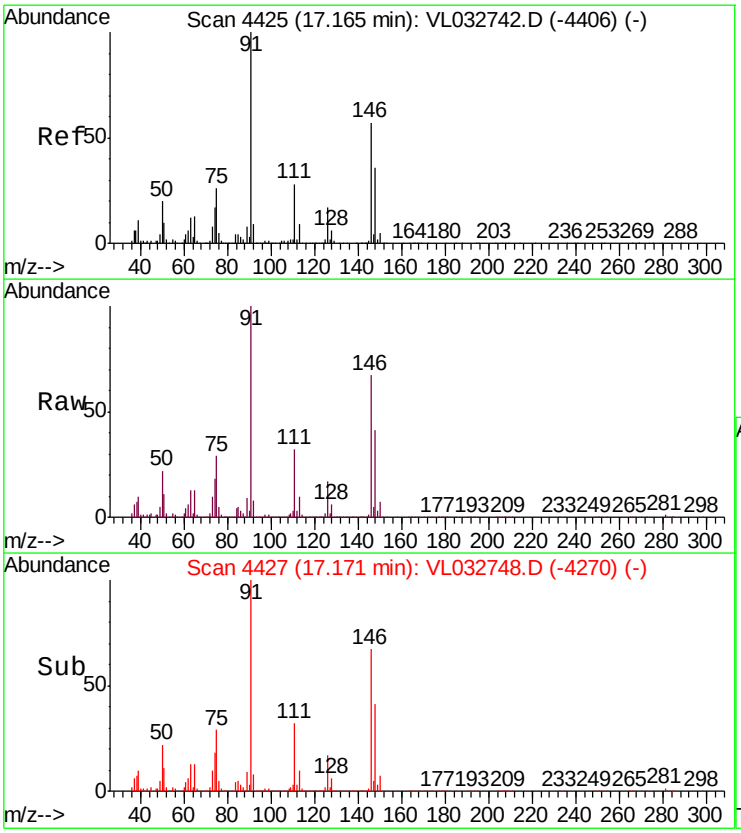
#65
tert-Butylbenzene
Concen: 13.902 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. 0.01 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion:119 Resp: 7257376

Ion	Ratio	Lower	Upper
119	100		
91	81.3	65.6	98.4
134	20.0	15.9	23.9

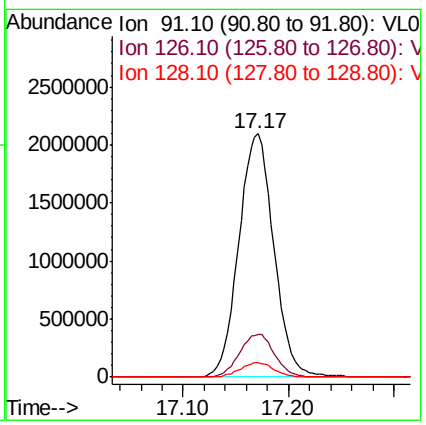


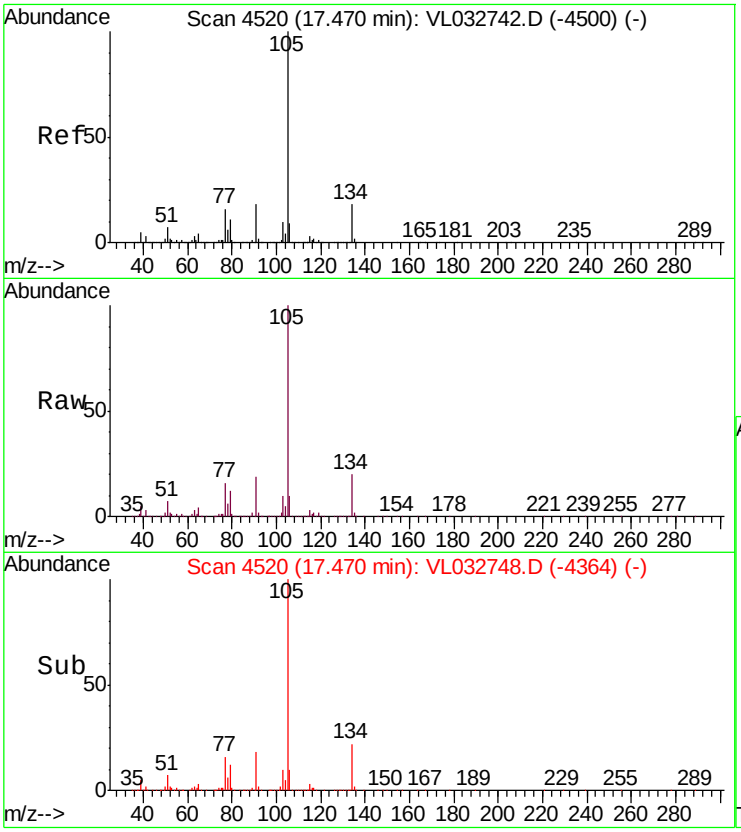


#66
Benzyl Chloride
Concen: 17.753 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. 0.01 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 91 Resp: 4839416

Ion	Ratio	Lower	Upper
91	100		
126	17.7	14.2	21.2
128	5.8	4.5	6.7



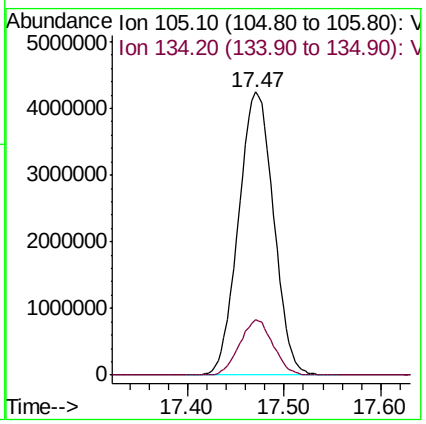


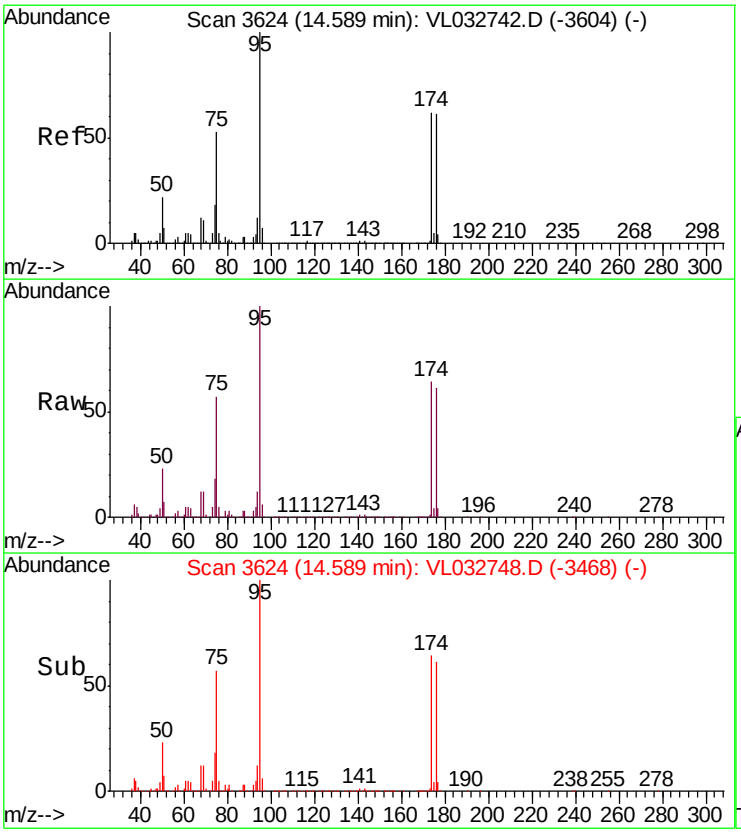
#67
sec-Butylbenzene
Concen: 14.407 ppbv
RT: 17.47 min Scan# 4520
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp:10678566

Ion	Ratio	Lower	Upper
105	100		
134	18.7	14.6	21.8

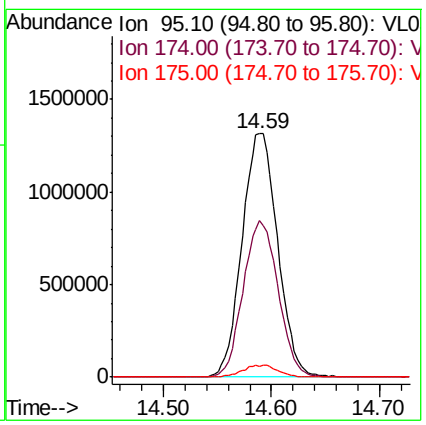


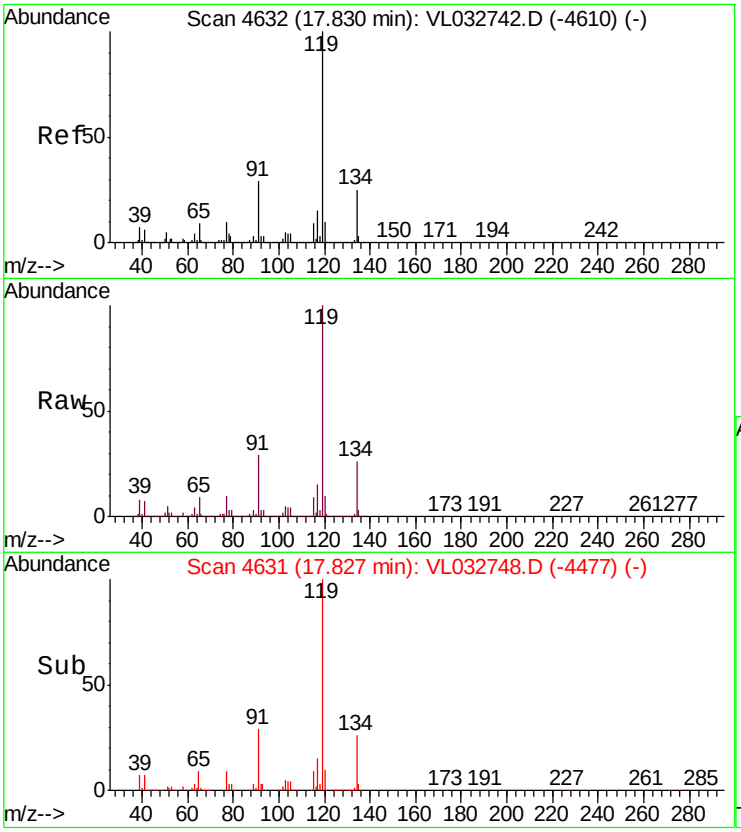


#68
1-Bromo-4-Fluorobenzene
Concen: 9.476 ppbv
RT: 14.59 min Scan# 3624
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 95 Resp: 3018401

Ion	Ratio	Lower	Upper
95	100		
174	63.3	50.7	76.1
175	4.8	3.8	5.6



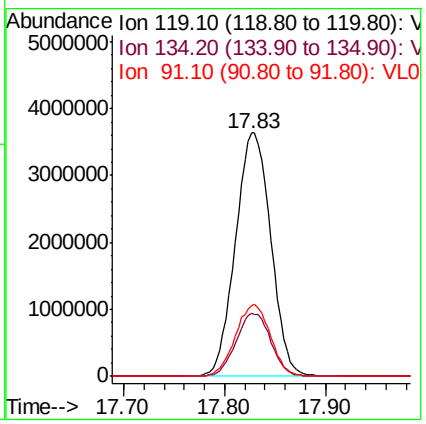


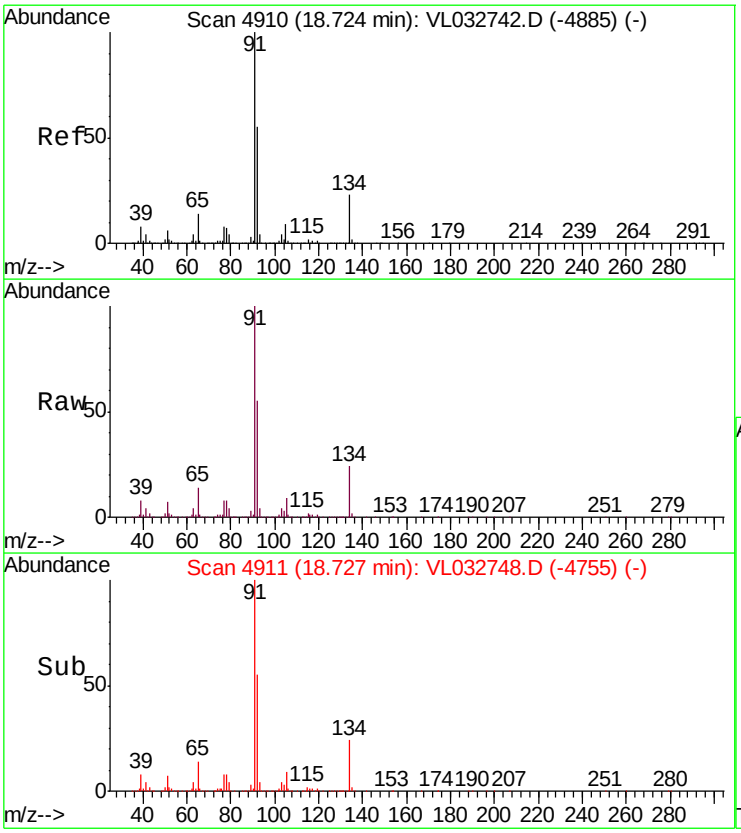
#69
p-Isopropyltoluene
Concen: 14.993 ppbv
RT: 17.83 min Scan# 4631
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 8826004

Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.2	30.4
91	29.3	23.5	35.3

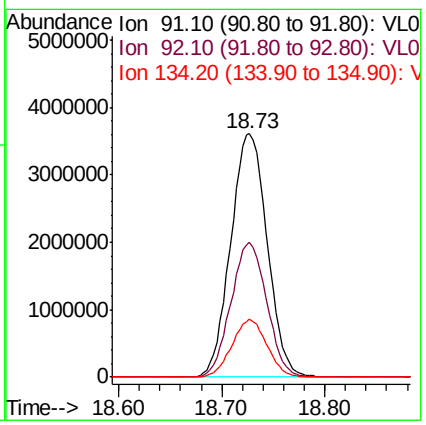


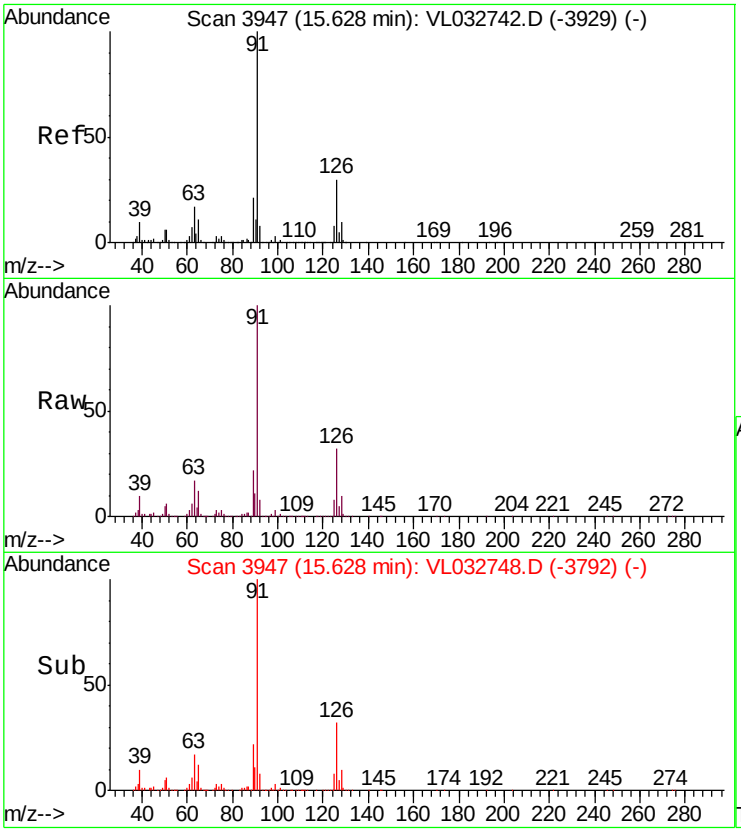


#70
n-Butylbenzene
Concen: 14.697 ppbv
RT: 18.73 min Scan# 4911
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion: 91 Resp: 8874105

Ion	Ratio	Lower	Upper
91	100		
92	54.5	42.9	64.3
134	22.8	17.8	26.8



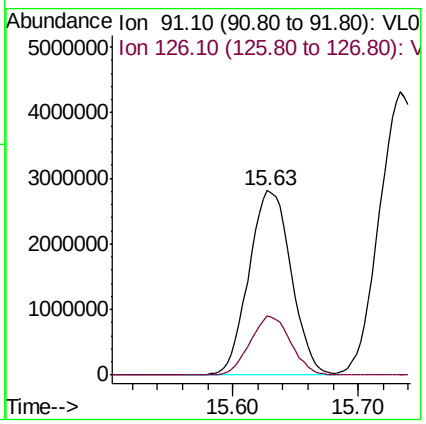


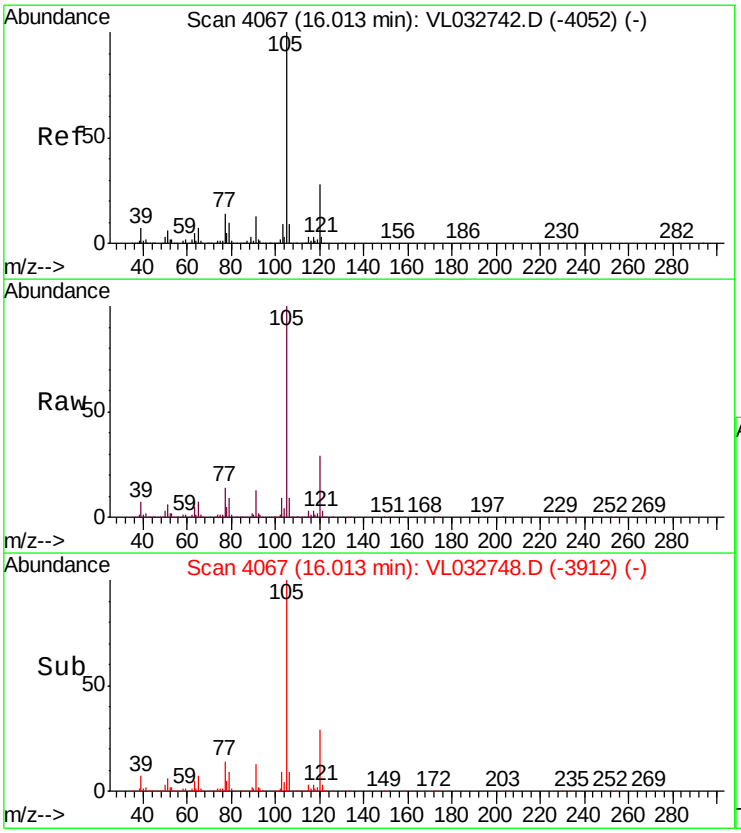
#71
2-Chlorotoluene
Concen: 15.230 ppbv
RT: 15.63 min Scan# 3947
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 91 Resp: 6625413

Ion	Ratio	Lower	Upper
91	100		
126	30.7	12.1	48.5

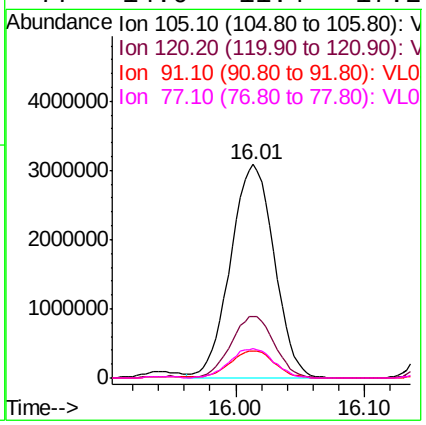


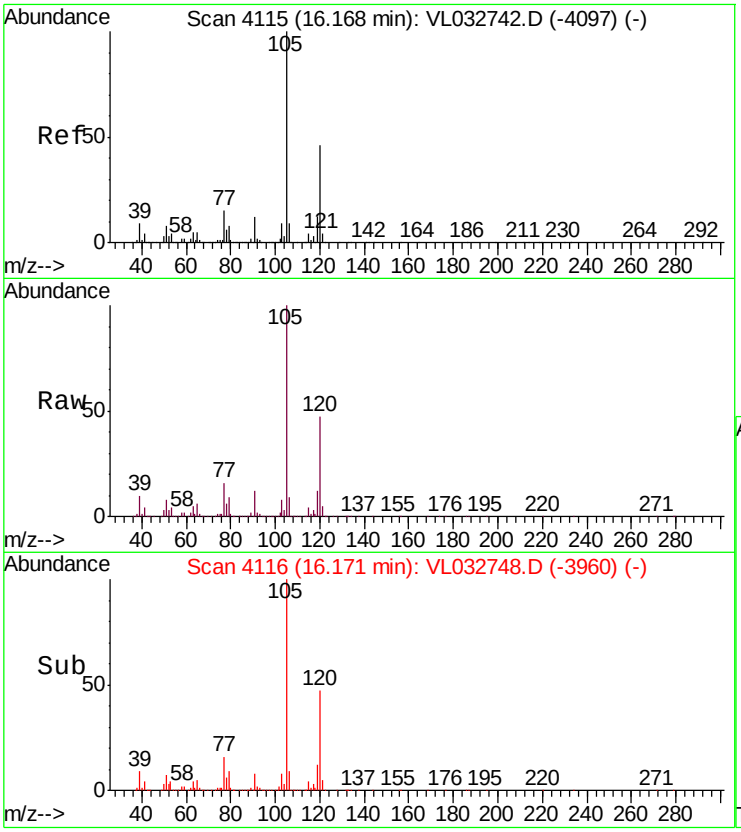


#72
4-Ethyltoluene
Concen: 15.750 ppbv
RT: 16.01 min Scan# 4067
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion:105 Resp: 7269890

Ion	Ratio	Lower	Upper
105	100		
120	28.8	22.9	34.3
91	12.9	10.6	15.8
77	14.0	11.4	17.2



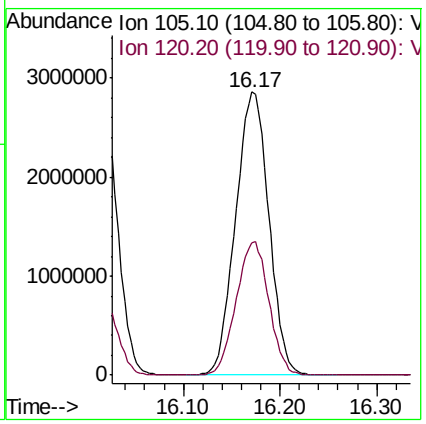


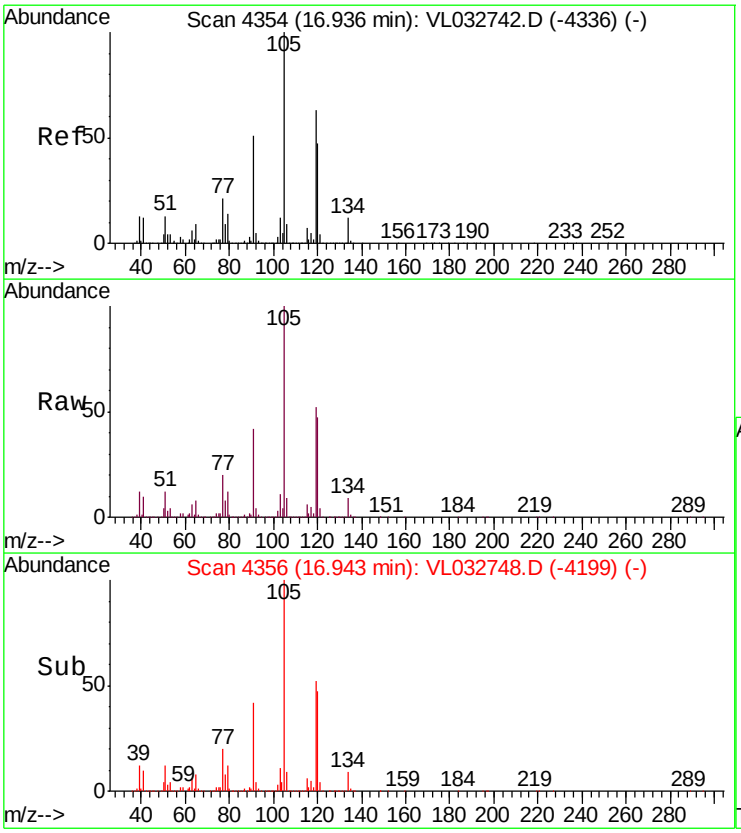
#73
1,3,5-Trimethylbenzene
Concen: 15.170 ppbv
RT: 16.17 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 6824834

Ion	Ratio	Lower	Upper
105	100		
120	46.6	36.6	55.0

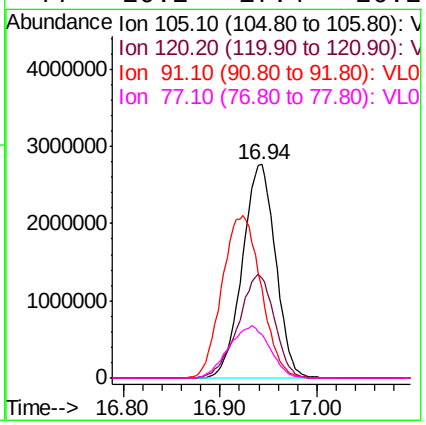


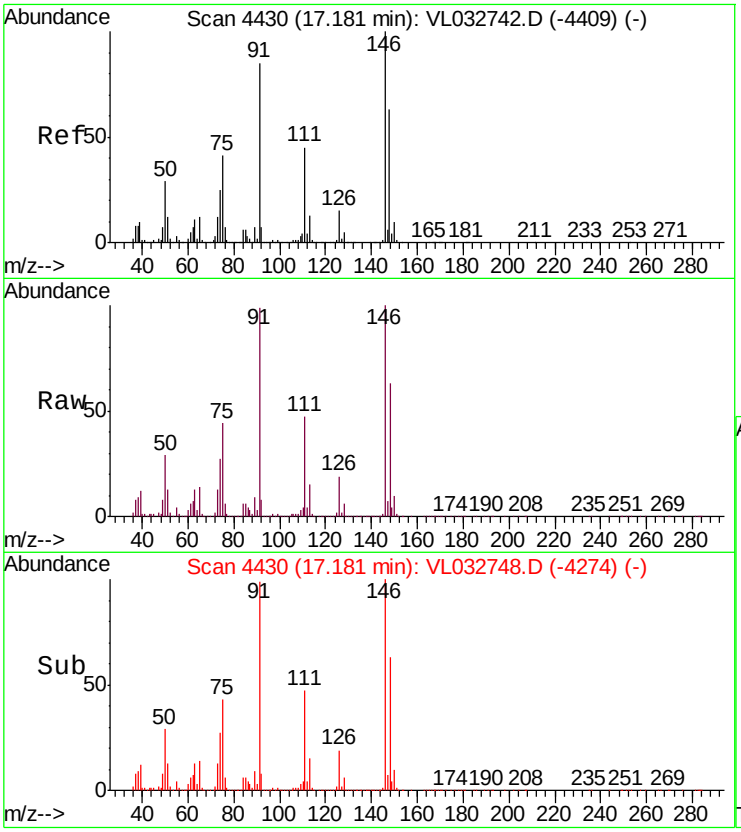


#74
1,2,4-Trimethylbenzene
Concen: 13.730 ppbv
RT: 16.94 min Scan# 4356
Delta R.T. 0.01 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion:105 Resp: 6587090

Ion	Ratio	Lower	Upper
105	100		
120	46.9	37.6	56.4
91	41.7	42.5	63.7#
77	20.2	17.4	26.2



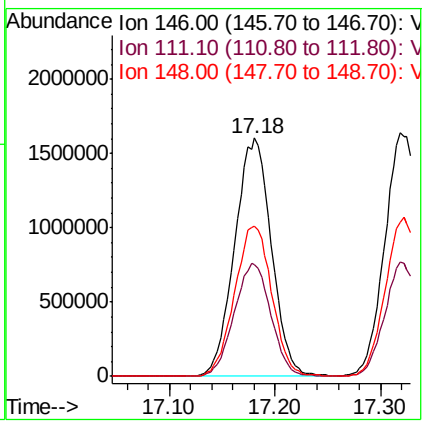


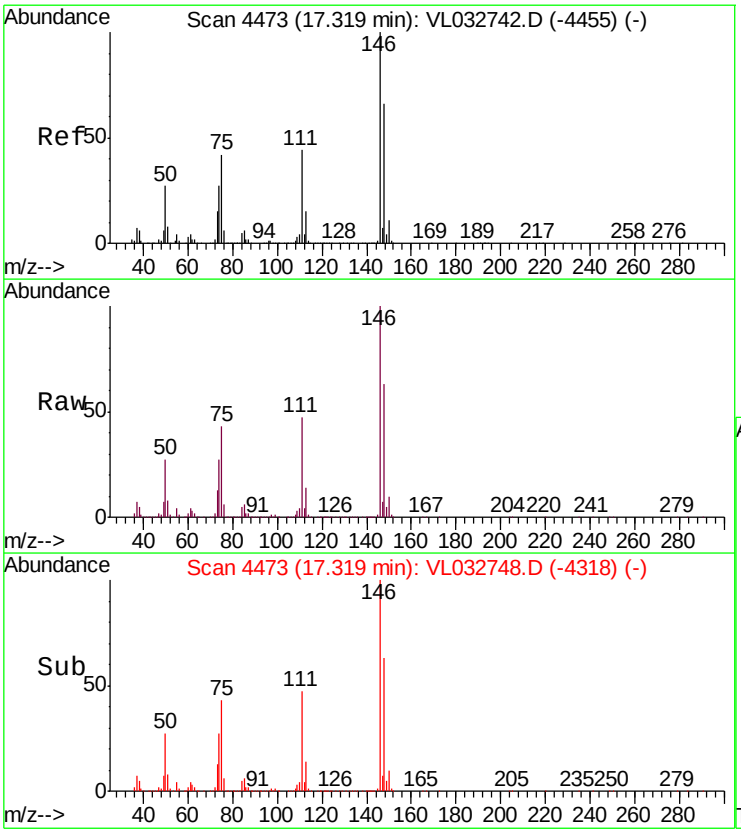
#75
1,3-Dichlorobenzene
Concen: 14.024 ppbv
RT: 17.18 min Scan# 4430
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 3875915

Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.5	70.6
148	64.0	31.8	95.3

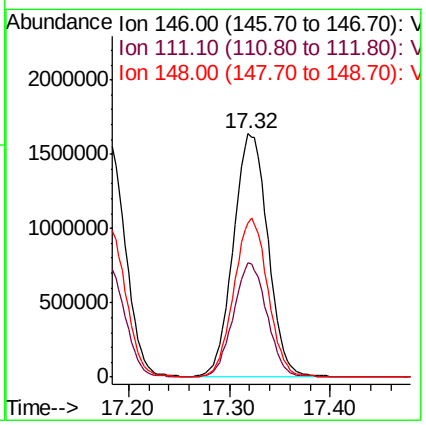


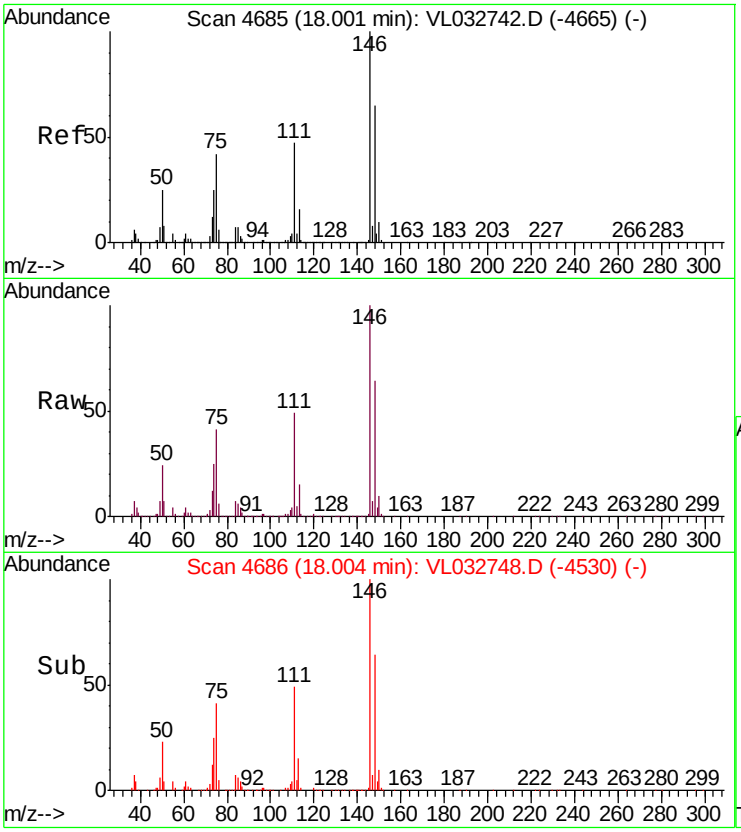


#76
1,4-Dichlorobenzene
Concen: 15.173 ppbv
RT: 17.32 min Scan# 4473
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion:146 Resp: 3878171

Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.5	67.5
148	64.5	32.5	97.5



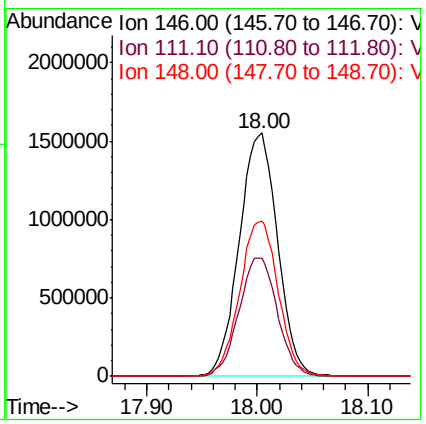


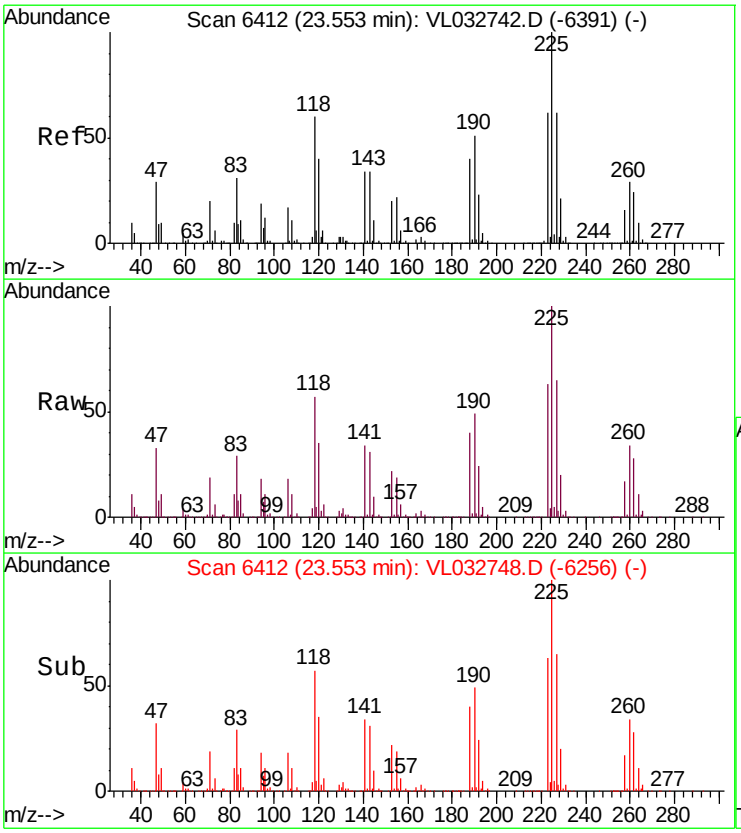
#77
1,2-Dichlorobenzene
Concen: 14.398 ppbv
RT: 18.00 min Scan# 4686
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 3754650

Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.4	73.2
148	64.2	32.2	96.6

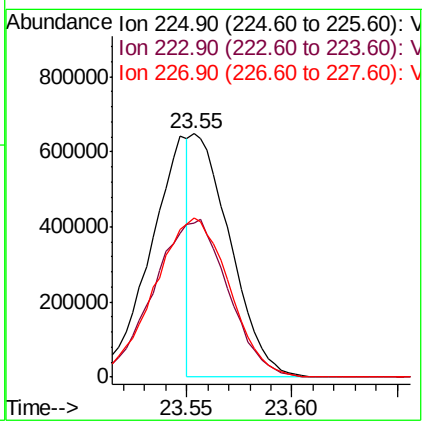


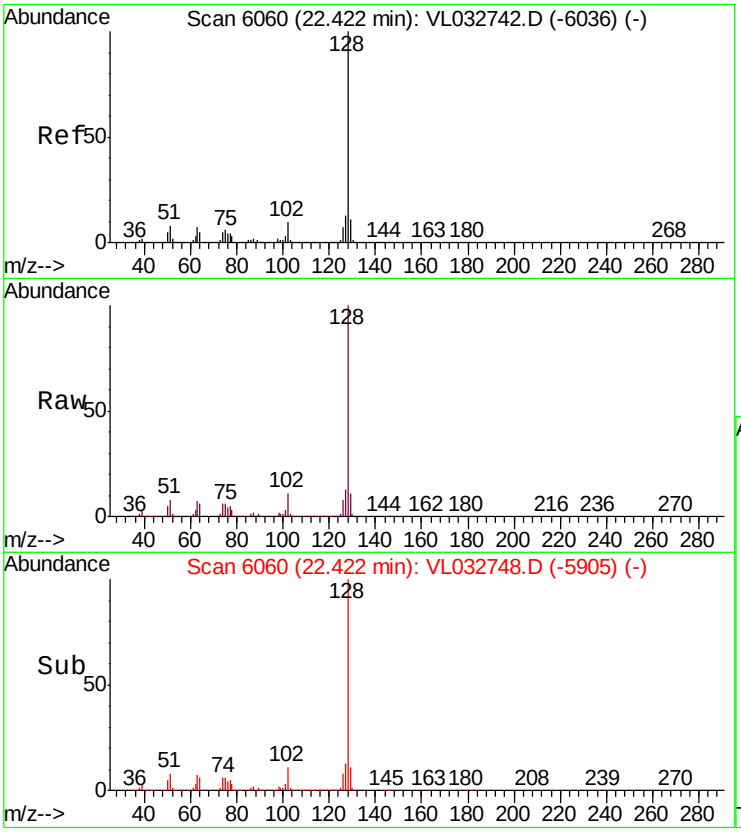


#78
Hexachloro-1,3-Butadiene
Concen: 6.321 ppbv
RT: 23.55 min Scan# 6412
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion:225 Resp: 835295

Ion	Ratio	Lower	Upper
225	100		
223	124.0	50.3	75.5#
227	125.9	50.2	75.4#



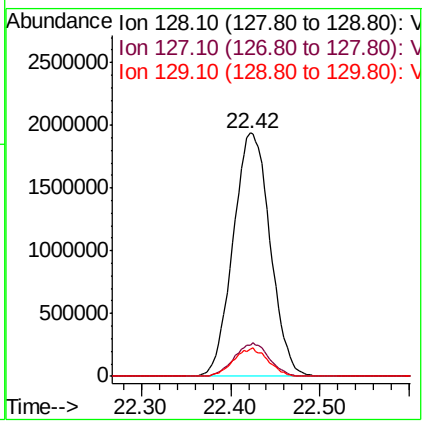


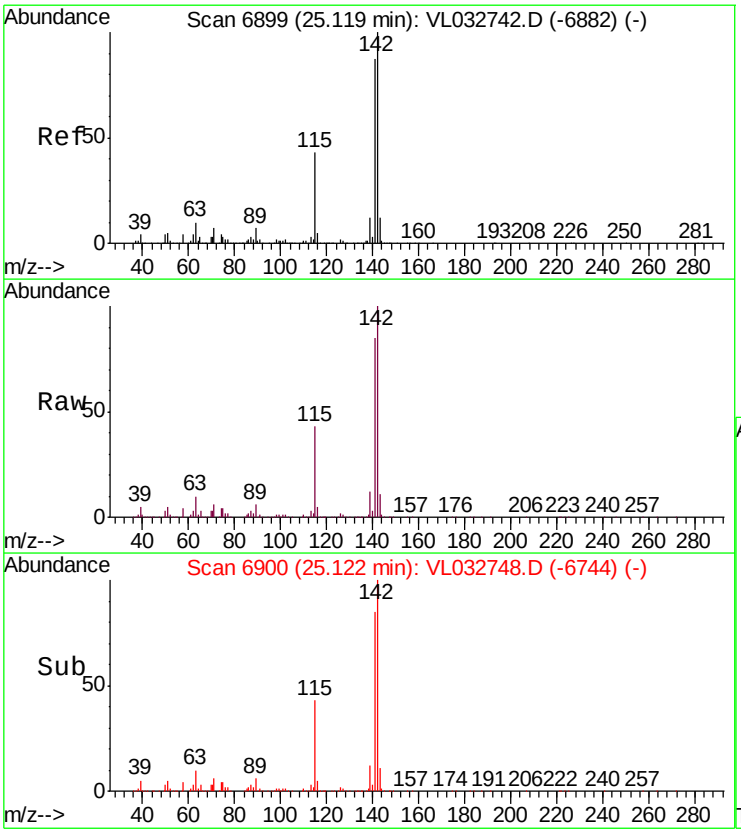
#79
Naphthalene
Concen: 18.495 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:128 Resp: 5581685

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	11.2	8.9	13.3

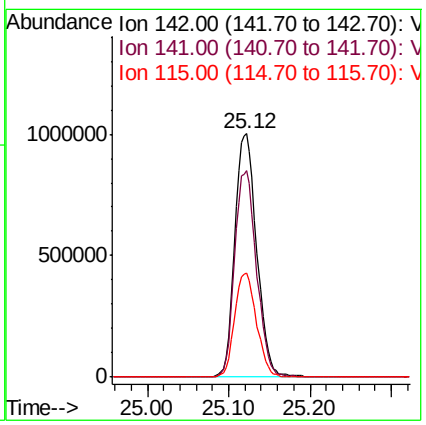


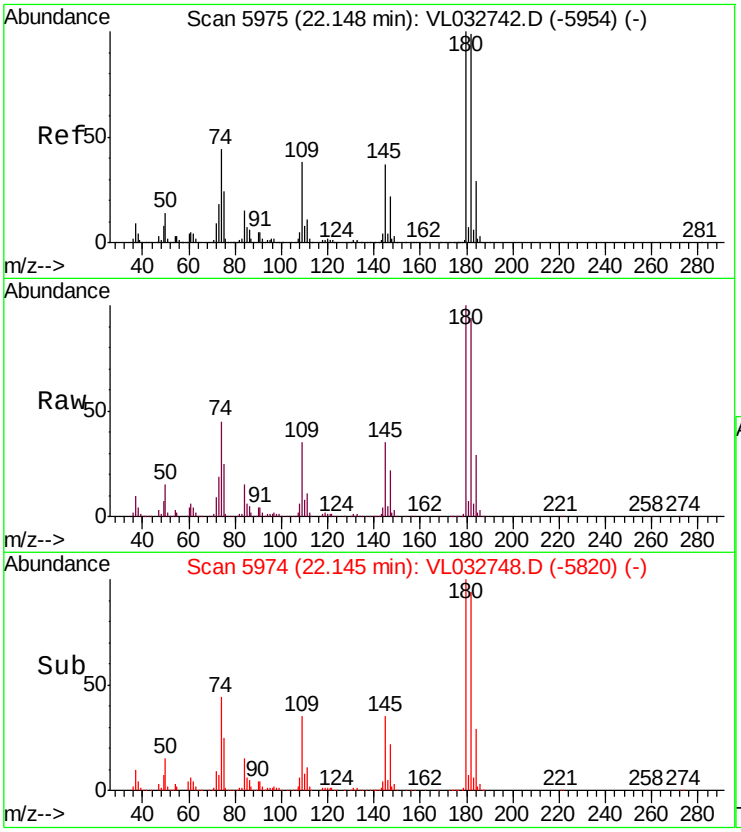


#80
Naphthalene,2-methyl-
Concen: 25.902 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Tgt Ion:142 Resp: 1871204

Ion	Ratio	Lower	Upper
142	100		
141	84.9	68.7	103.1
115	43.0	35.5	53.3





#81
1,2,4-Trichlorobenzene
Concen: 17.293 ppbv
RT: 22.15 min Scan# 5974
Delta R.T. -0.00 min
Lab File: VL032748.D
Acq: 14 Nov 2018 6:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:180 Resp: 2668934

Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.3	115.9
184	30.8	24.2	36.4