Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112918\

Quantitation Report (Not Reviewed)

Data File : VL032830.D
Acq On : 29 Nov 2018 9:47
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Nov 30 06:22:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1544505	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3837075	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	4666002	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2865319	8.21	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 82.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	1403042	6.320	ppbv		98
3) Chlorodifluoromethane	3.02	51	1058088	8.641	ppbv		99
4) Chloromethane	3.18	50	567294	8.355	ppbv		97
5) Vinyl Chloride	3.30	62	603021	8.382	ppbv		99
6) Bromomethane	3.52	94	550308	12.503	ppbv		91
7) Chloroethane	3.61	64	316318	12.199	ppbv	#	89
8) Dichlorotetrafluoroethane	3.23	85	1519803	8.687	ppbv		97
9) Propene	3.04	41	425593	8.685	ppbv		99
10) Heptane	8.25	43	1818110	9.718	ppbv		99
11) Trichlorofluoromethane	4.01	101	2318820	11.083	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1672537	9.787	ppbv		97
13) Ethanol	3.66	45	143388	8.934	ppbv		100
14) Bromoethene	3.80	108	704572	12.427	ppbv		99
15) Acetone	3.91	43	1478436	10.482	ppbv		100
16) 1,3-Butadiene	3.37	39	492521	9.017	ppbv		88
17) tert-Butyl alcohol	4.36	59	446716	10.098	ppbv		100
18) 1,1-Dichloroethene	4.36	96	817853	9.732	ppbv		96
19) Isopropyl Alcohol	4.03	45	1005924	10.706	ppbv	#	99
20) Methylene Chloride	4.42	84	688101	9.423	ppbv		97
21) Allyl Chloride	4.49	41	1202659	10.146	ppbv		98
22) trans-1,2-Dichloroethene	4.97	96	806417	9.827	ppbv		97
23) Vinyl Acetate	5.16	43	2430601	9.453	ppbv		100
24) 1,1-Dichloroethane	5.10	63	1866507	9.131	ppbv		99
25) Ethyl Acetate	5.78	43	3161517	9.617	ppbv		100
26) Hexane	5.79	57	1481103	10.121	ppbv		99
27) Carbon Disulfide	4.63	76	2027063	10.924	ppbv		100
28) Methyl tert-Butyl Ether	5.12	73	2309650	9.897	ppbv		100
29) Chloroform	5.86	83	2503127	9.597	ppbv		95
30) Cyclohexane	7.25	84	1267107	9.900	ppbv		97
31) cis-1,2-Dichloroethene	5.65	61	1435838	9.759	ppbv		99
32) 1,1,1-Trichloroethane	6.63	97	2554635	8.936	ppbv		99
34) 2-Butanone	5.34	43	1890323	9.498	ppbv		99
35) Carbon Tetrachloride	7.14	117	2776146	9.000	ppbv		100
36) Benzene	7.02	78	2929840	9.589	ppbv		99
37) 1,2-Dichloroethane	6.42	62	1883611	9.158	ppbv		100
38) Trichloroethene	7.97	130	1258422	10.177	ppbv		96
39) 1,2-Dichloropropane	7.75	63	1101335	9.460	ppbv		98
40) 1,4-Dioxane	7.97	88	402462	9.679	ppbv		95
41) Tetrahydrofuran	6.16	42	1078164	9.445	ppbv		100
42) Bromodichloromethane	7.93	83	2699678	9.682	ppbv		99
43) Methyl Methacrylate	8.15	69	1175974	10.309	ppbv		98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112918\

Quantitation Report (Not Reviewed)

Data File : VL032830.D
Acq On : 29 Nov 2018 9:47
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Nov 30 06:22:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4983848	9.761	ppbv		100
45) t-1,3-Dichloropropene	9.43	75	1763741	11.523	ppbv		100
46) cis-1,3-Dichloropropene	8.85	75	1993856	10.782	ppbv		98
47) 1,1,2-Trichloroethane	9.62	97	1319788	9.587	ppbv		94
48) Dibromochloromethane	10.46	129	2407991	10.292	ppbv		100
49) Bromoform	13.21	173	2027278	10.492	ppbv		100
50) 4-Methyl-2-Pentanone	8.88	43	3076781	9.898	ppbv		100
51) 2-Hexanone	10.28	43	2151250	10.742	ppbv	#	100
52) Tetrachloroethene	11.38	164	1096257	10.314	ppbv		98
53) Toluene	9.96	91	3427064	10.751	ppbv		100
54) 1,2-Dibromoethane	10.77	107	1984495	10.198	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1704574	7.832	ppbv		100
57) Chlorobenzene	12.32	112	2814353	7.879	ppbv		99
58) Ethyl Benzene	12.88	91	4766706	8.489	ppbv		98
59) m/p-Xylene	13.14	91	3430668	6.863	ppbv	#	31
60) o-Xylene	13.86	91	3946518	7.852	ppbv		100
61) Styrene	13.70	104	2924960	8.939	ppbv		99
62) Isopropylbenzene	14.84	105	5599155	8.241	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2699135	6.889	ppbv		99
64) n-propylbenzene	15.73	120	806513	4.513	ppbv		75
65) tert-Butylbenzene	16.92	119	5001157	8.212	ppbv		98
66) Benzyl Chloride	17.17	91	2783823	8.268	ppbv		100
67) sec-Butylbenzene	17.47	105	6990258	7.964	ppbv		99
69) p-Isopropyltoluene	17.83	119	5677827	8.136	ppbv		99
70) n-Butylbenzene	18.73	91	5615285	7.924	ppbv		99
71) 2-Chlorotoluene	15.63	91	4390900	8.666	ppbv		99
72) 4-Ethyltoluene	16.01	105	4506309	8.179	ppbv		99
73) 1,3,5-Trimethylbenzene	16.17	105	4338220	8.054	ppbv		99
74) 1,2,4-Trimethylbenzene	16.94	105	4415776	7.661	ppbv		95
75) 1,3-Dichlorobenzene	17.18	146	2485753	7.518	ppbv		100
76) 1,4-Dichlorobenzene	17.32	146	2427598	7.860	ppbv		99
77) 1,2-Dichlorobenzene	18.00	146	2371457	7.753	ppbv		100
78) Hexachloro-1,3-Butadiene	23.55	225	1457123	8.826	ppbv		99
79) Naphthalene	22.42	128	2937396	7.757	ppbv		97
80) Naphthalene,2-methyl-	25.12	142	824027	8.689	ppbv		98
81) 1,2,4-Trichlorobenzene	22.15	180	1514962	7.967	ppbv		99

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

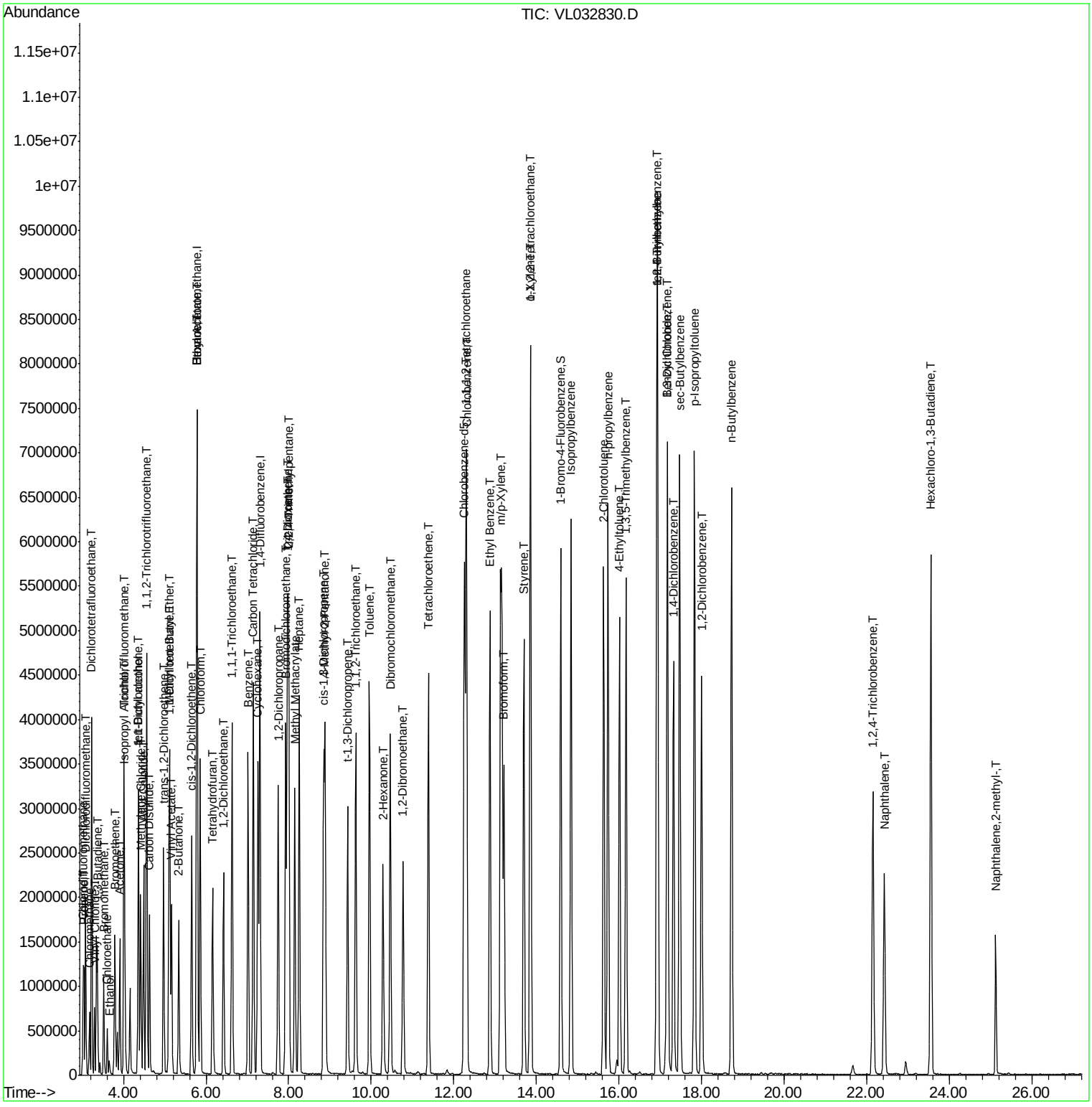
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112918\

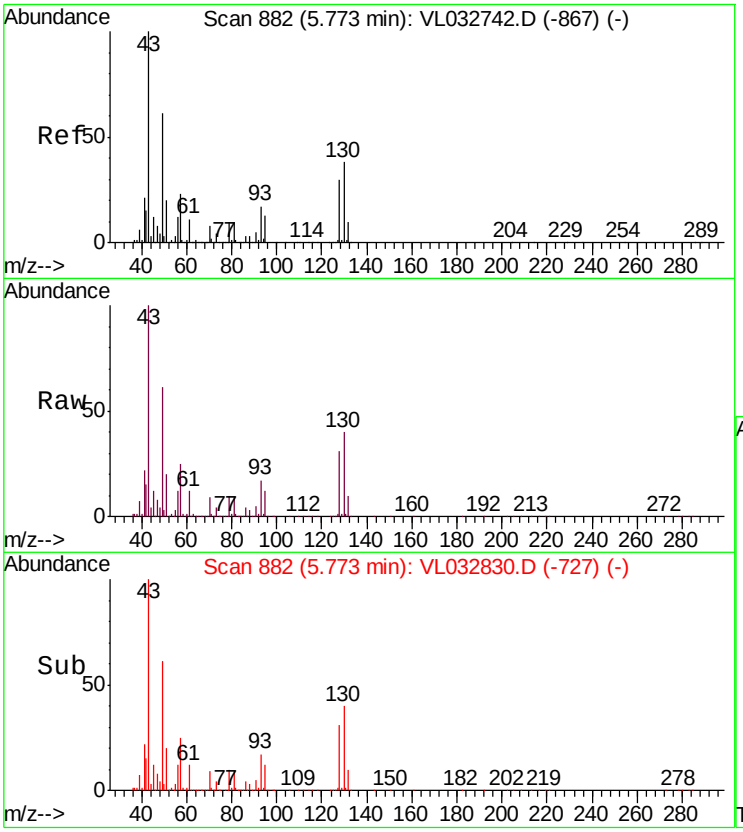
Quantitation Report (Not Reviewed)

Data File : VL032830.D
Acq On : 29 Nov 2018 9:47
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Nov 30 06:22:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration



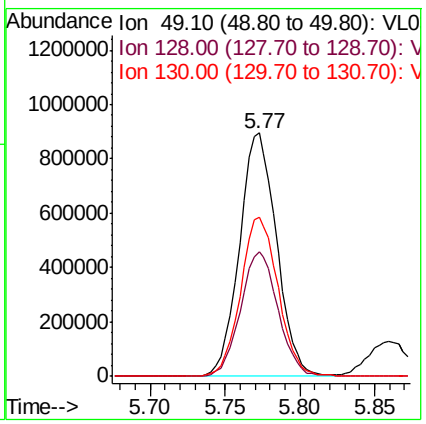


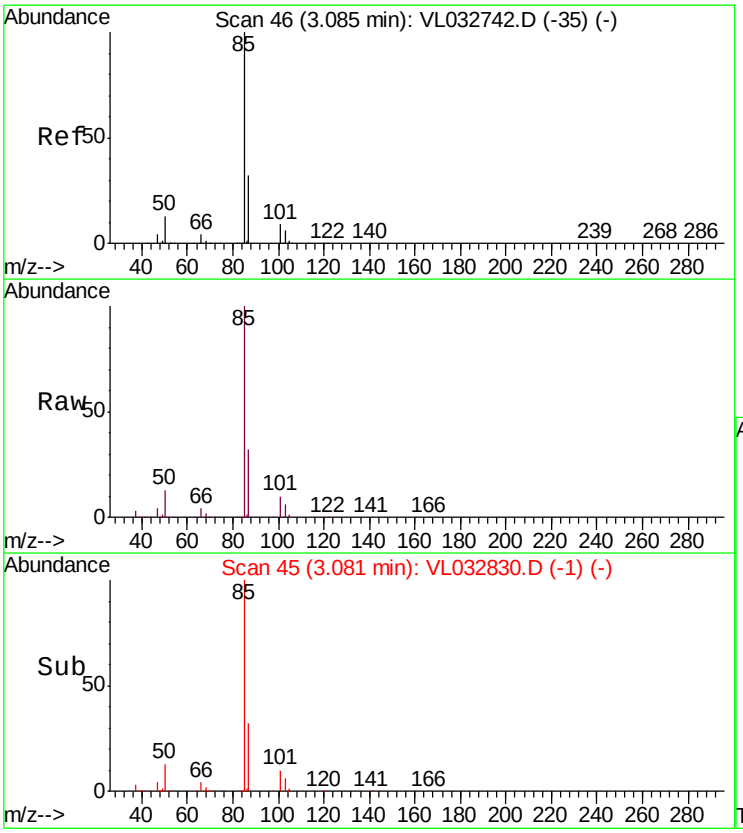
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1544505

Ion	Ratio	Lower	Upper
49	100		
128	51.9	24.9	74.6
130	66.4	31.4	94.2

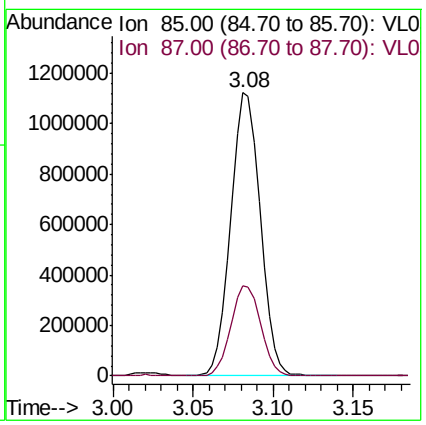


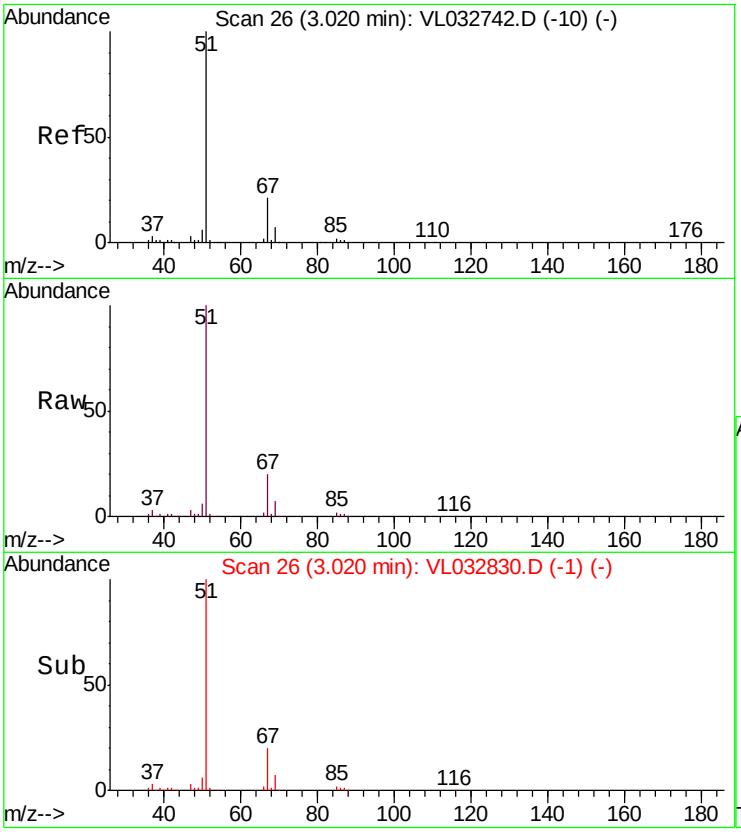


#2
Dichlorodifluoromethane
Concen: 6.320 ppbv
RT: 3.08 min Scan# 45
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 85 Resp: 1403042

Ion	Ratio	Lower	Upper
85	100		
87	31.6	26.0	39.0



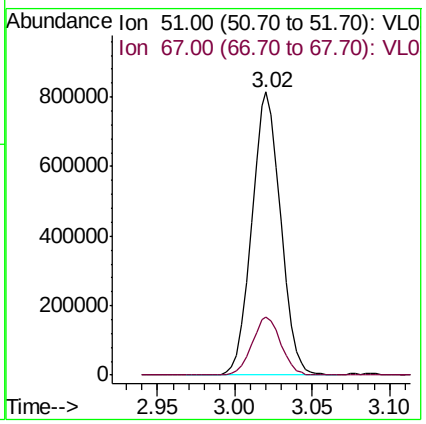


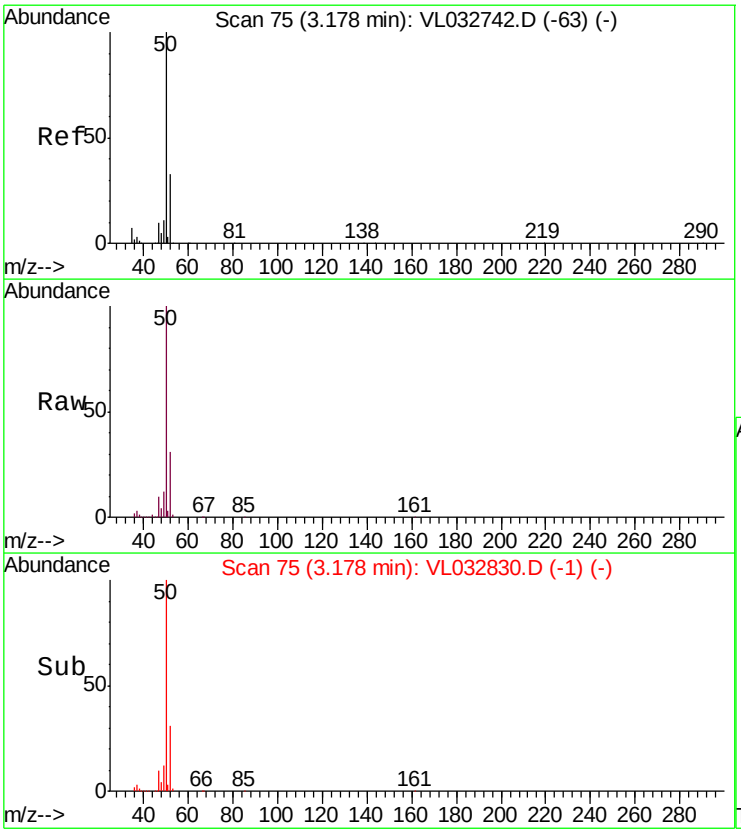
#3
Chlorodifluoromethane
Concen: 8.641 ppbv
RT: 3.02 min Scan# 26
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1058088

Ion	Ratio	Lower	Upper
51	100		
67	20.7	16.1	24.1

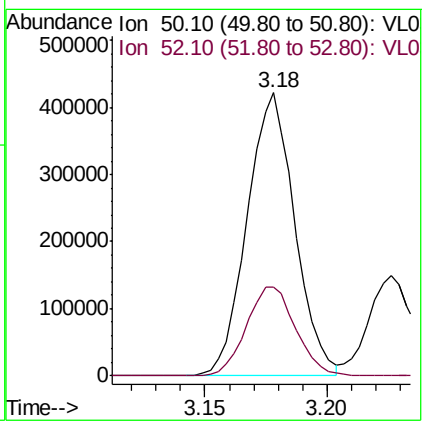


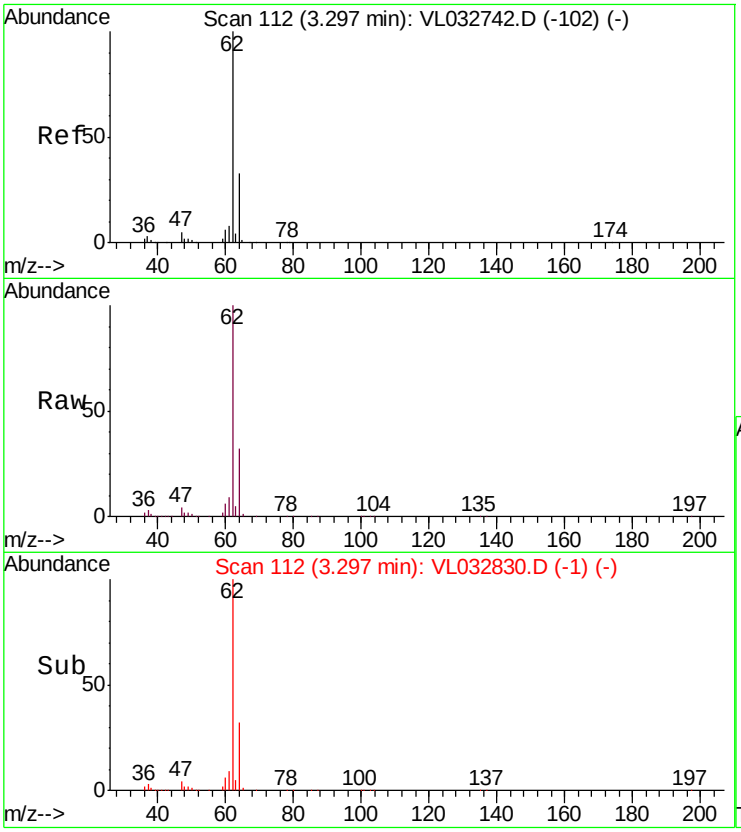


#4
Chloromethane
Concen: 8.355 ppbv
RT: 3.18 min Scan# 75
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 50 Resp: 567294

Ion	Ratio	Lower	Upper
50	100		
52	31.3	26.6	40.0



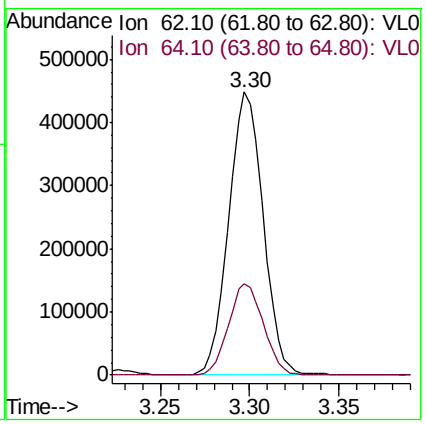


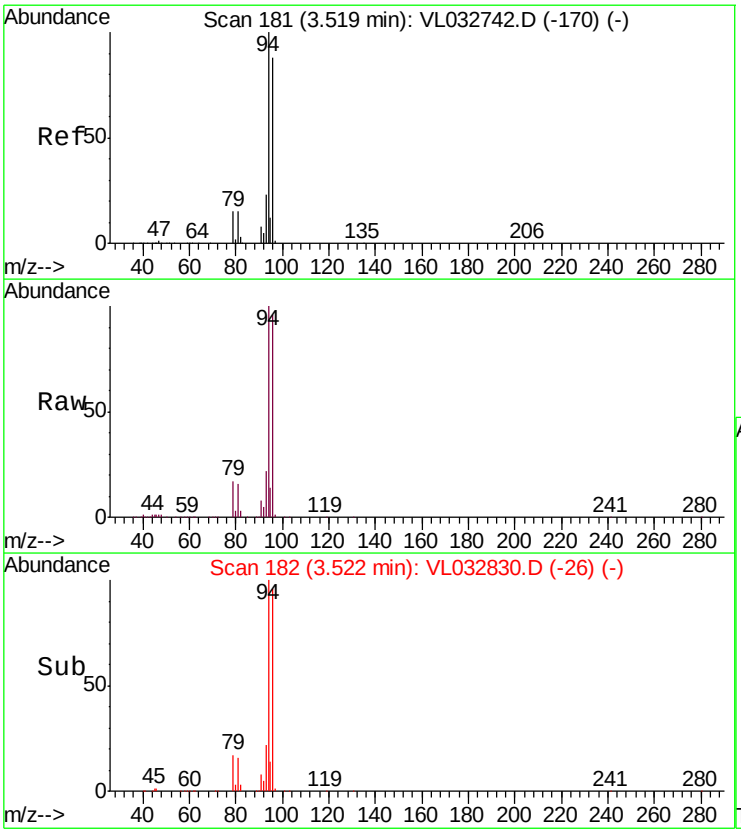
#5
Vinyl Chloride
Concen: 8.382 ppbv
RT: 3.30 min Scan# 112
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 603021

Ion	Ratio	Lower	Upper
62	100		
64	32.3	26.2	39.4

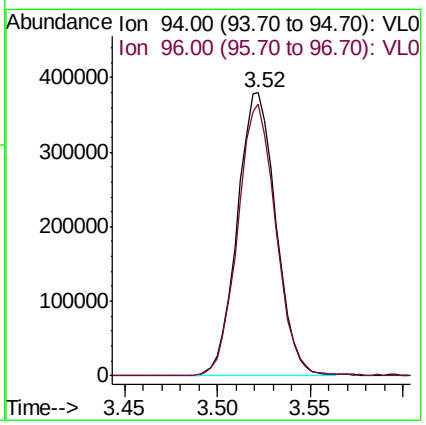


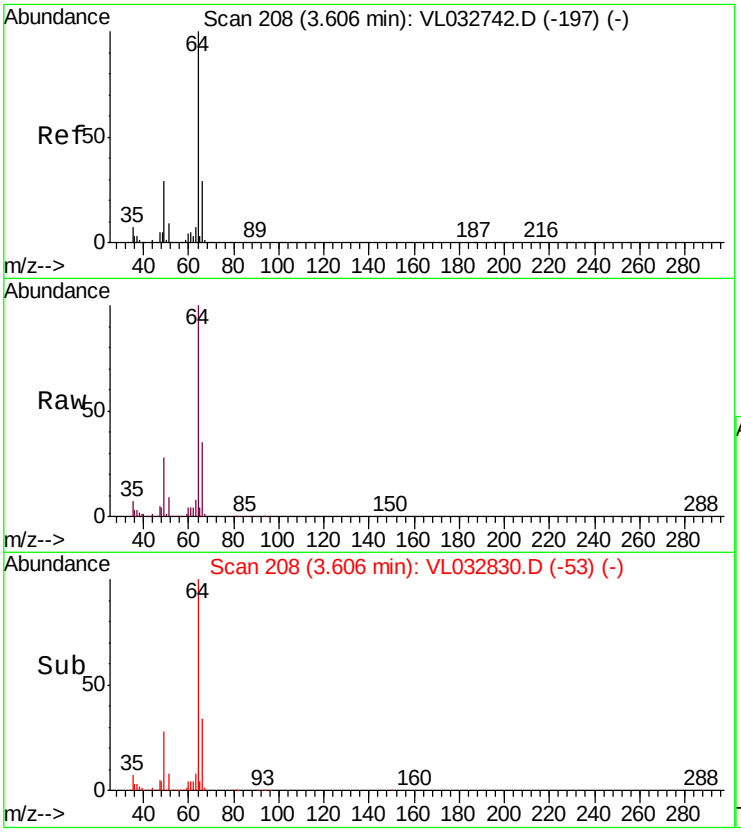


#6
Bromomethane
Concen: 12.503 ppbv
RT: 3.52 min Scan# 182
Delta R.T. 0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 94 Resp: 550308

Ion	Ratio	Lower	Upper
94	100		
96	96.1	70.2	105.2



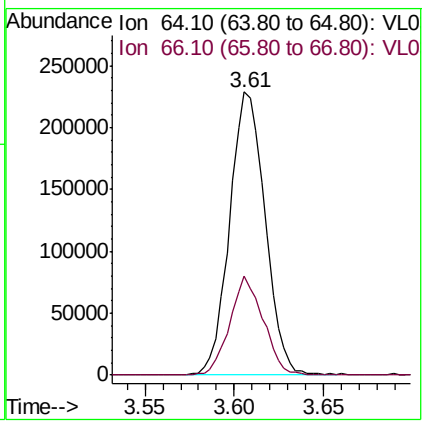


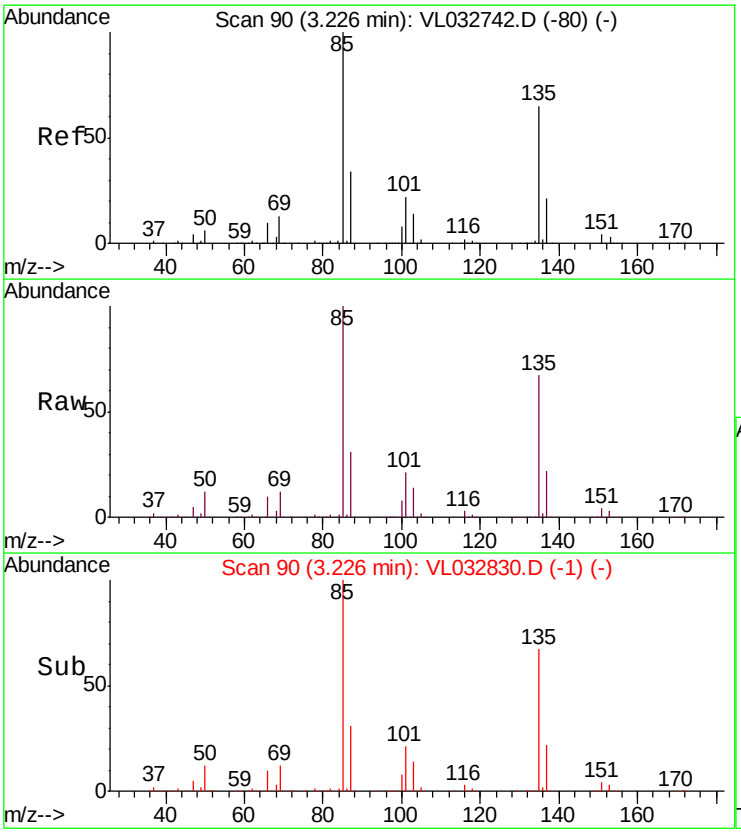
#7
Chloroethane
Concen: 12.199 ppbv
RT: 3.61 min Scan# 208
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 316318

Ion	Ratio	Lower	Upper
64	100		
66	34.8	23.2	34.8#

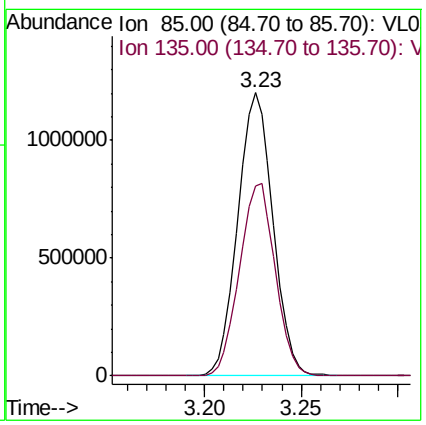


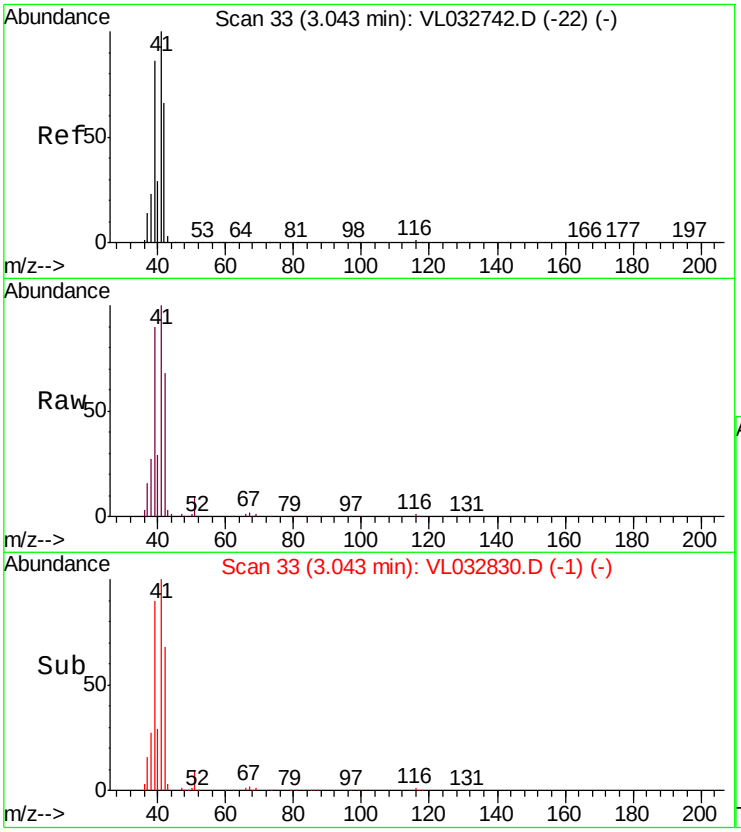


#8
Dichlorotetrafluoroethane
Concen: 8.687 ppbv
RT: 3.23 min Scan# 90
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 85 Resp: 1519803

Ion	Ratio	Lower	Upper
85	100		
135	69.5	53.8	80.8



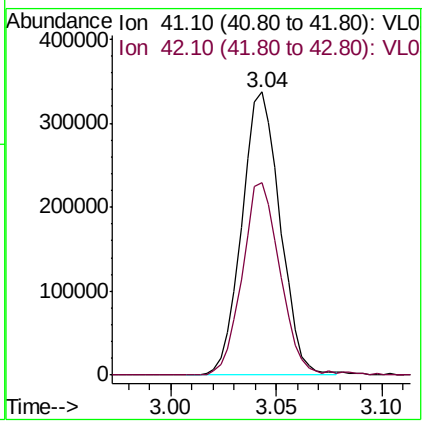


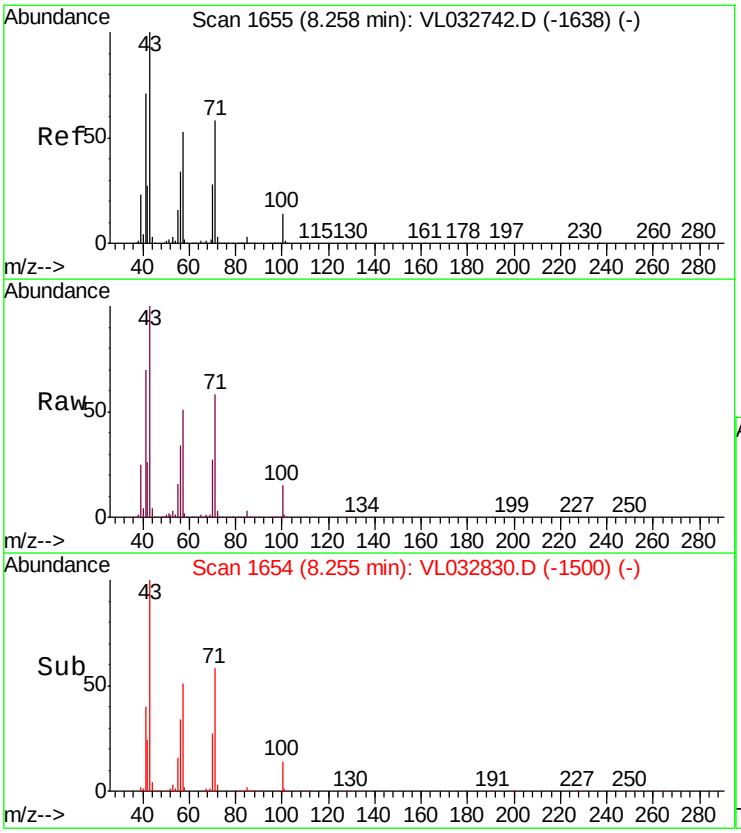
#9
Propene
Concen: 8.685 ppbv
RT: 3.04 min Scan# 33
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 425593

Ion	Ratio	Lower	Upper
41	100		
42	67.7	55.0	82.6

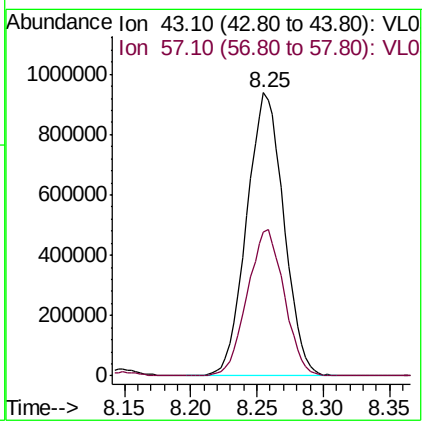


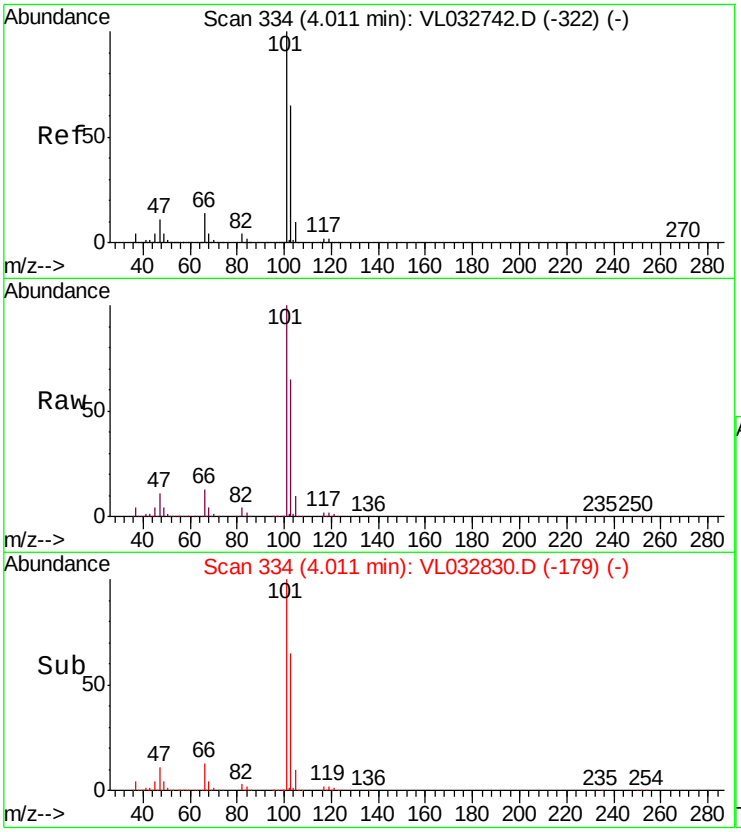


#10
Heptane
Concen: 9.718 ppbv
RT: 8.25 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 43 Resp: 1818110

Ion	Ratio	Lower	Upper
43	100		
57	51.5	41.8	62.8



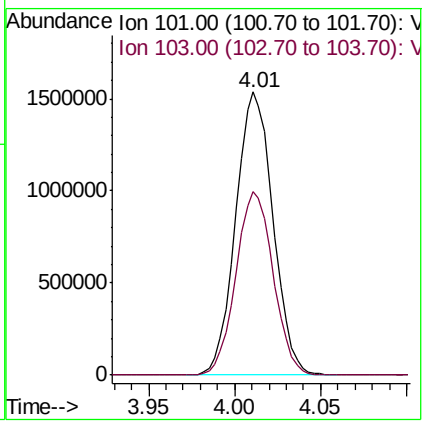


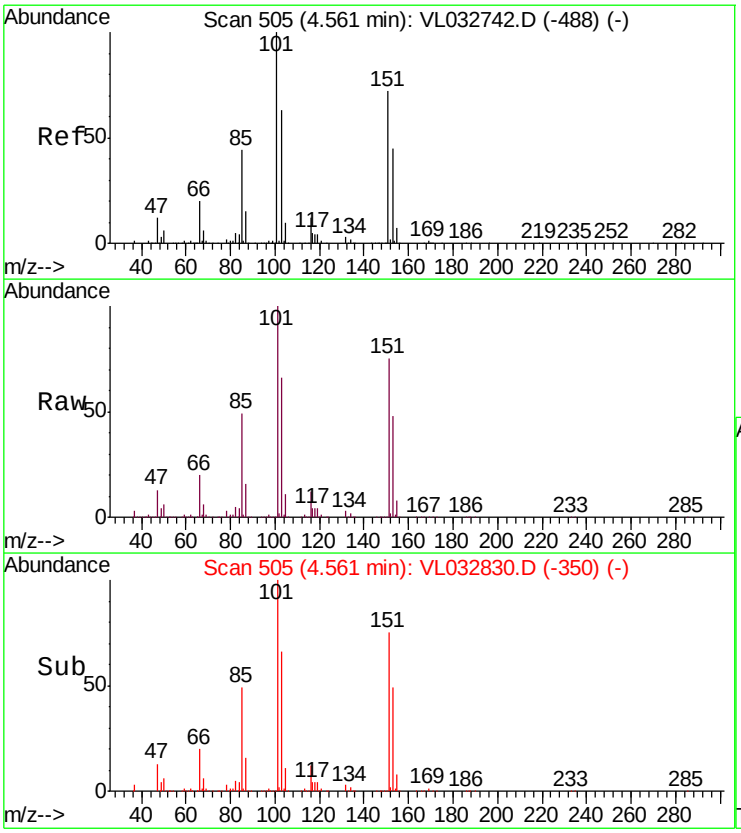
#11
Trichlorofluoromethane
Concen: 11.083 ppbv
RT: 4.01 min Scan# 334
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 2318820

Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.6	77.4

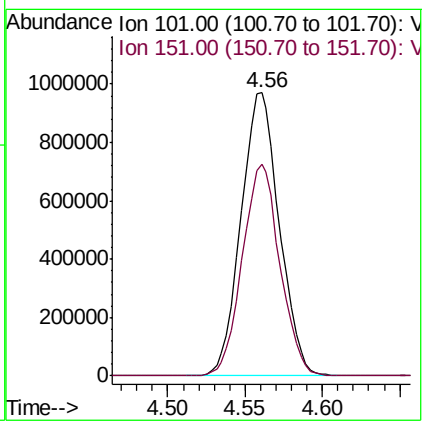


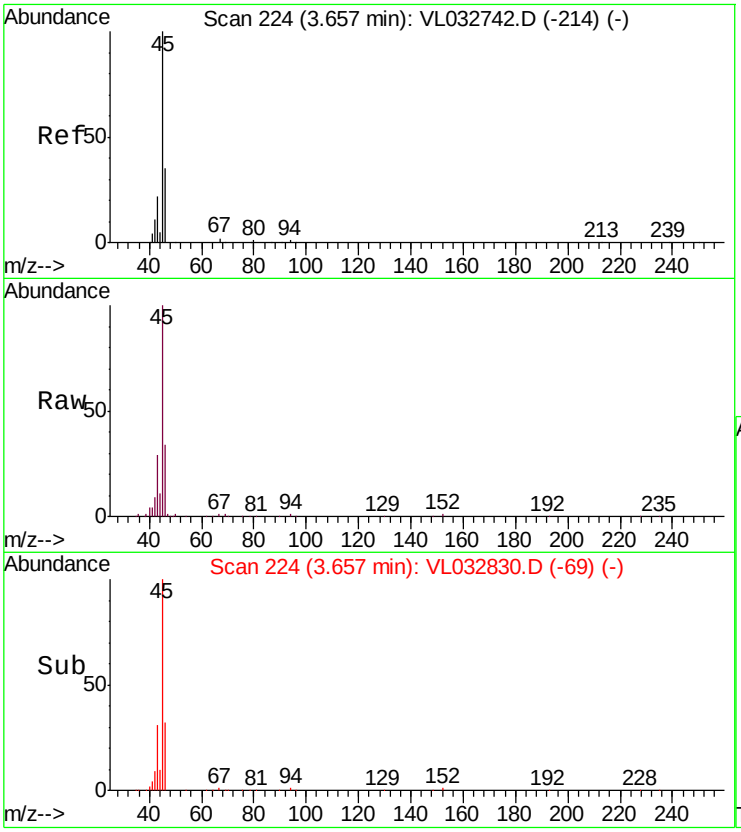


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.787 ppbv
RT: 4.56 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion:101 Resp: 1672537

Ion	Ratio	Lower	Upper
101	100		
151	73.6	56.7	85.1



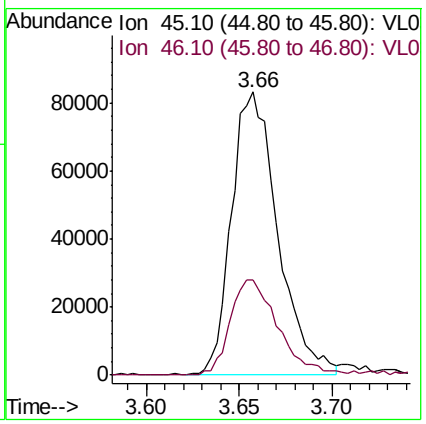


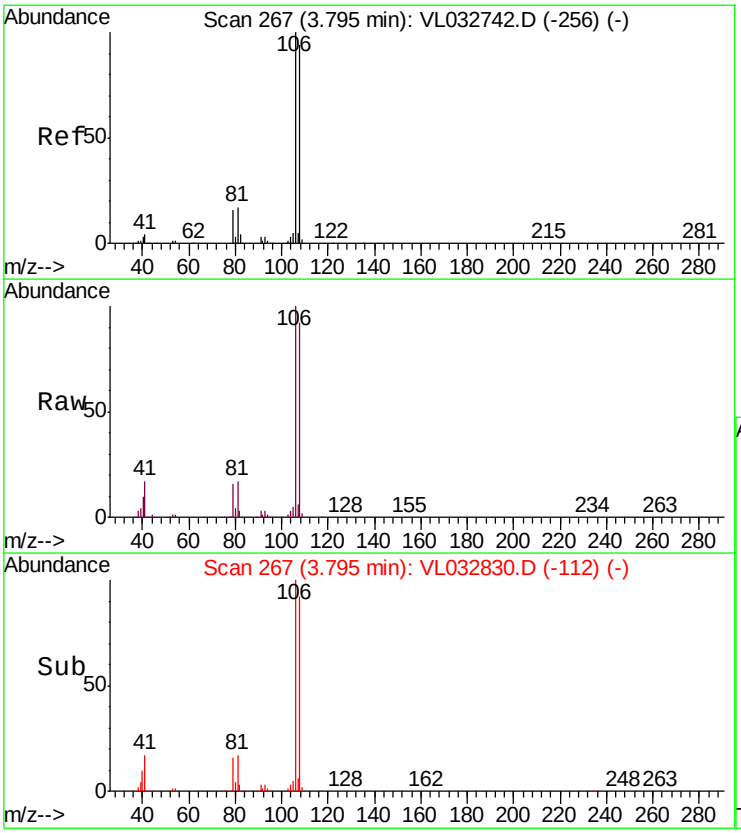
#13
Ethanol
Concen: 8.934 ppbv
RT: 3.66 min Scan# 224
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 143388

Ion	Ratio	Lower	Upper
45	100		
46	36.4	14.5	57.9

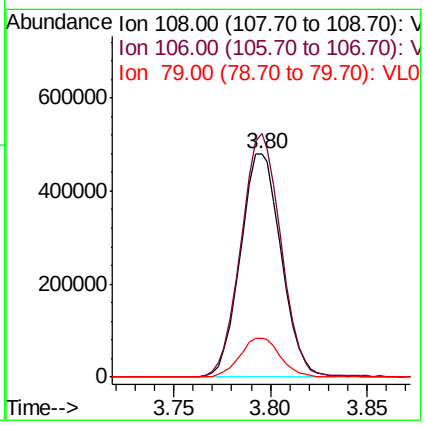


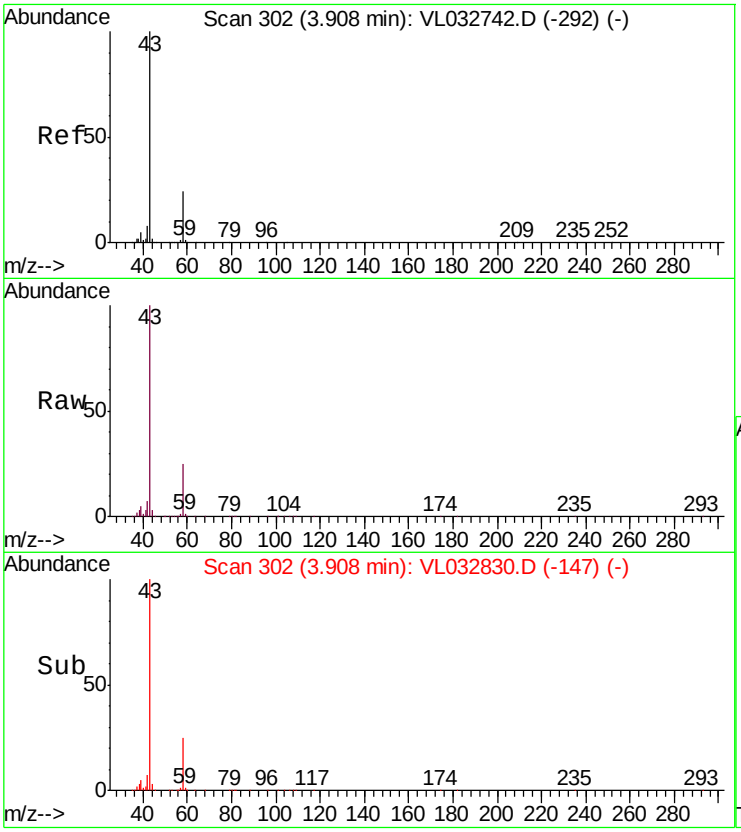


#14
Bromoethene
Concen: 12.427 ppbv
RT: 3.80 min Scan# 267
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion:108 Resp: 704572

Ion	Ratio	Lower	Upper
108	100		
106	107.6	84.9	127.3
79	17.7	14.2	21.4



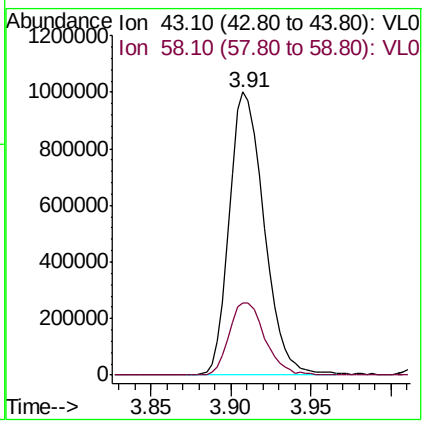


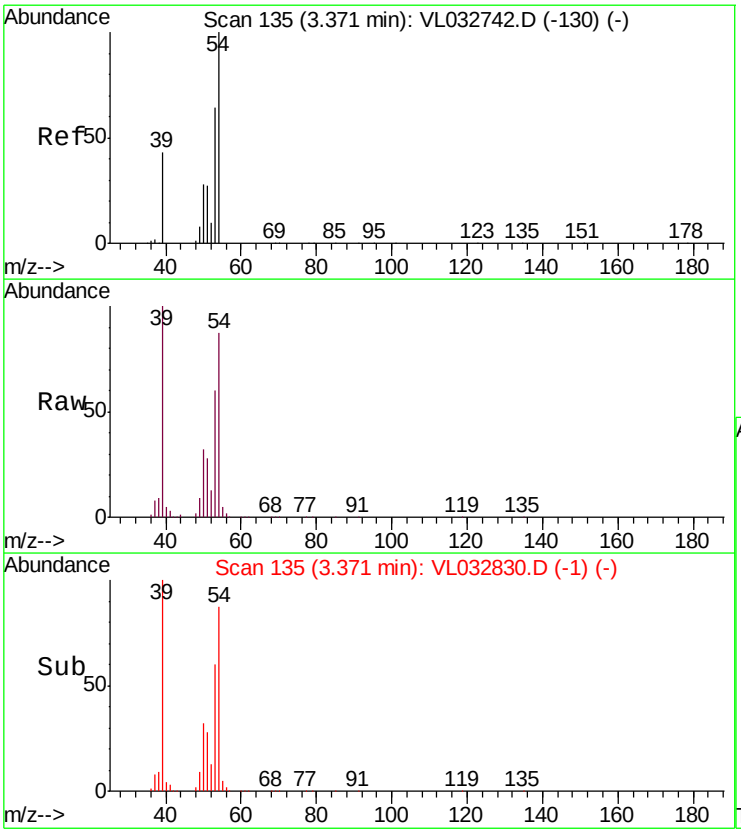
#15
Acetone
Concen: 10.482 ppbv
RT: 3.91 min Scan# 302
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1478436

Ion	Ratio	Lower	Upper
43	100		
58	26.3	21.1	31.7

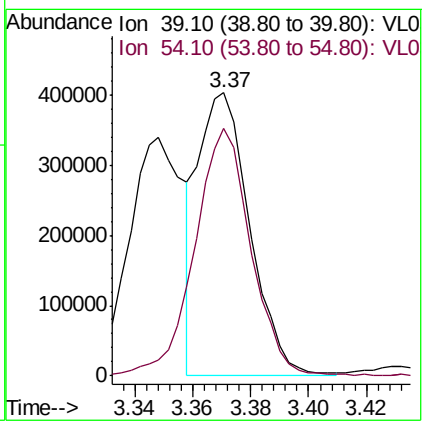


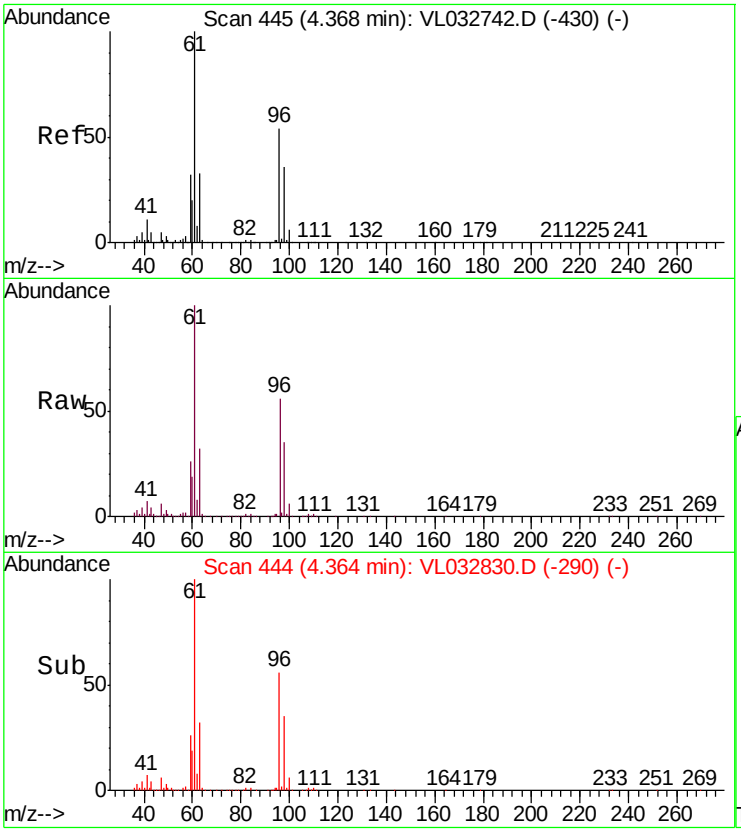


#16
1,3-Butadiene
Concen: 9.017 ppbv
RT: 3.37 min Scan# 135
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 39 Resp: 492521

Ion	Ratio	Lower	Upper
39	100		
54	96.9	68.9	103.3



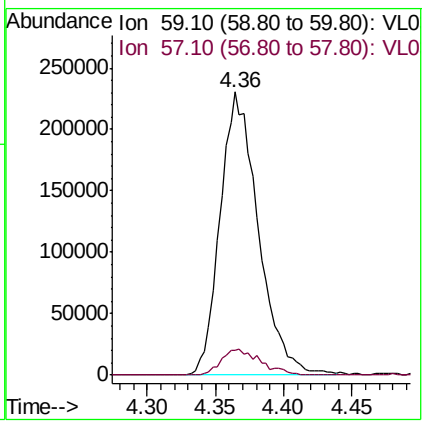


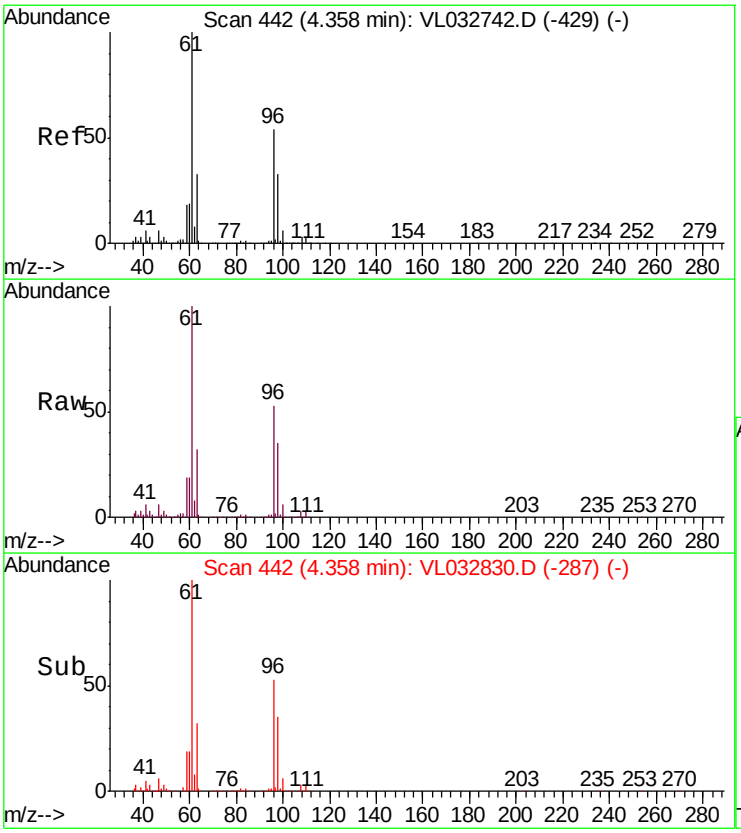
#17
tert-Butyl alcohol
Concen: 10.098 ppbv
RT: 4.36 min Scan# 444
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 446716

Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8

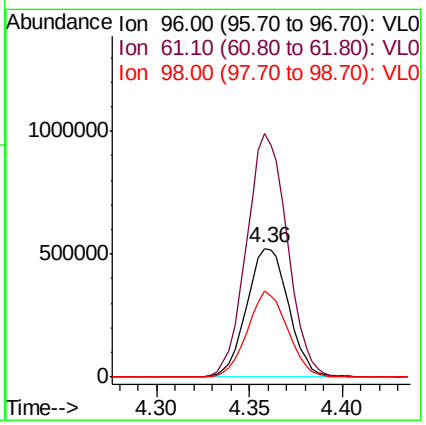


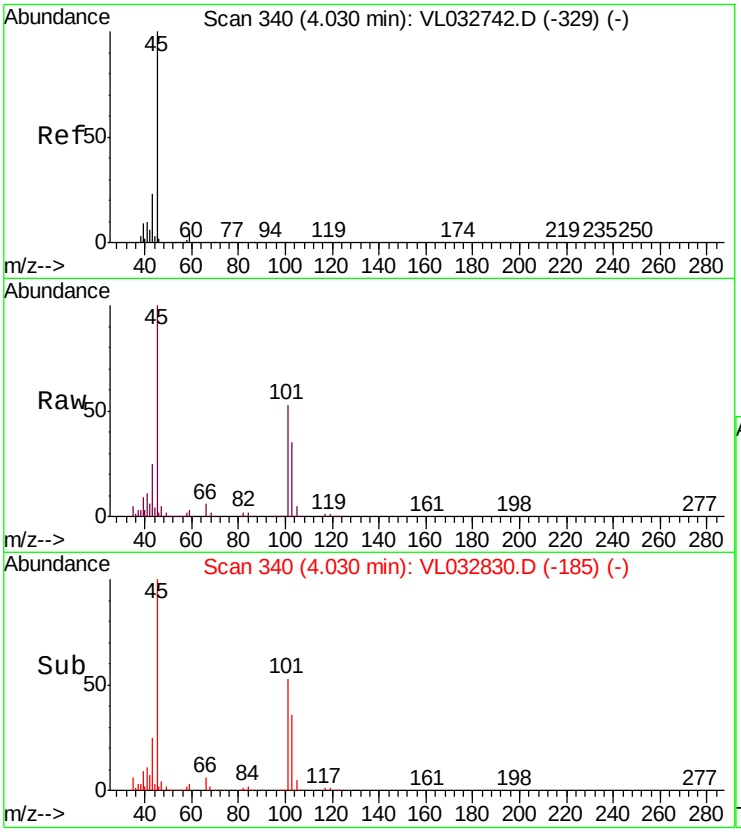


#18
1,1-Dichloroethene
Concen: 9.732 ppbv
RT: 4.36 min Scan# 442
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 96 Resp: 817853

Ion	Ratio	Lower	Upper
96	100		
61	189.2	148.5	222.7
98	66.9	48.6	72.8



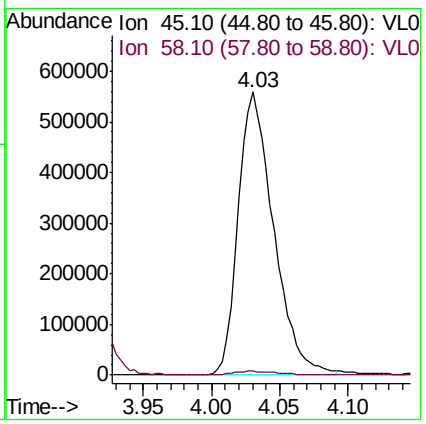


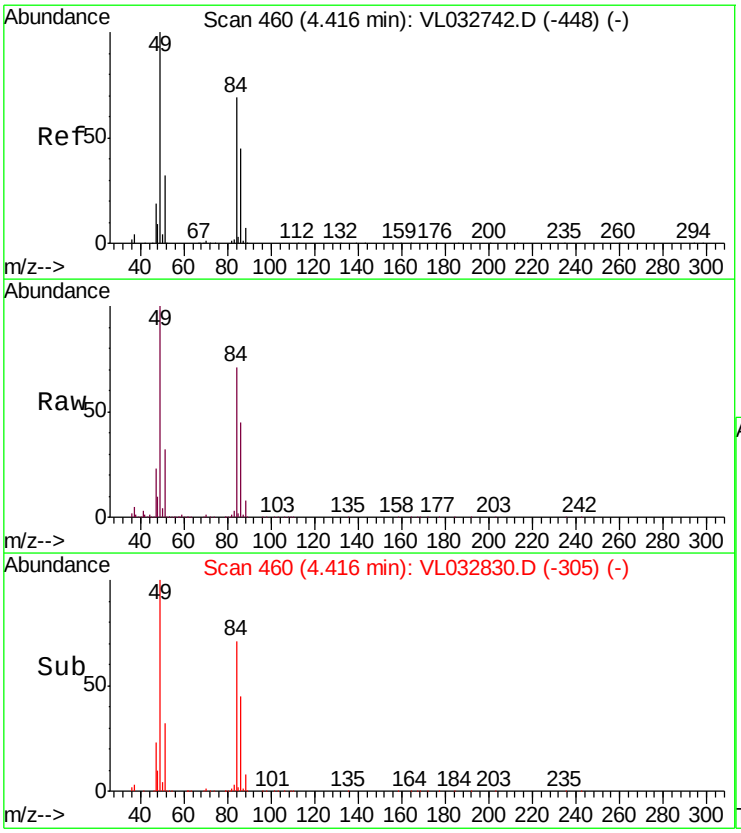
#19
Isopropyl Alcohol
Concen: 10.706 ppbv
RT: 4.03 min Scan# 340
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 1005924

Ion	Ratio	Lower	Upper
45	100		
58	2.1	1.4	2.0#

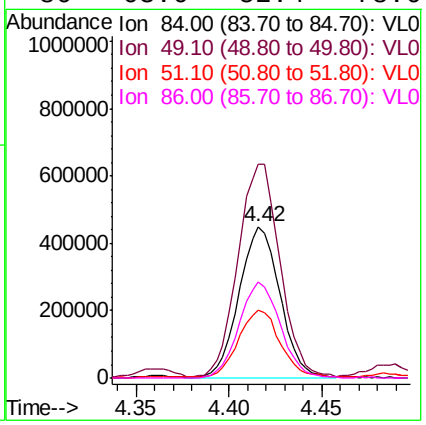


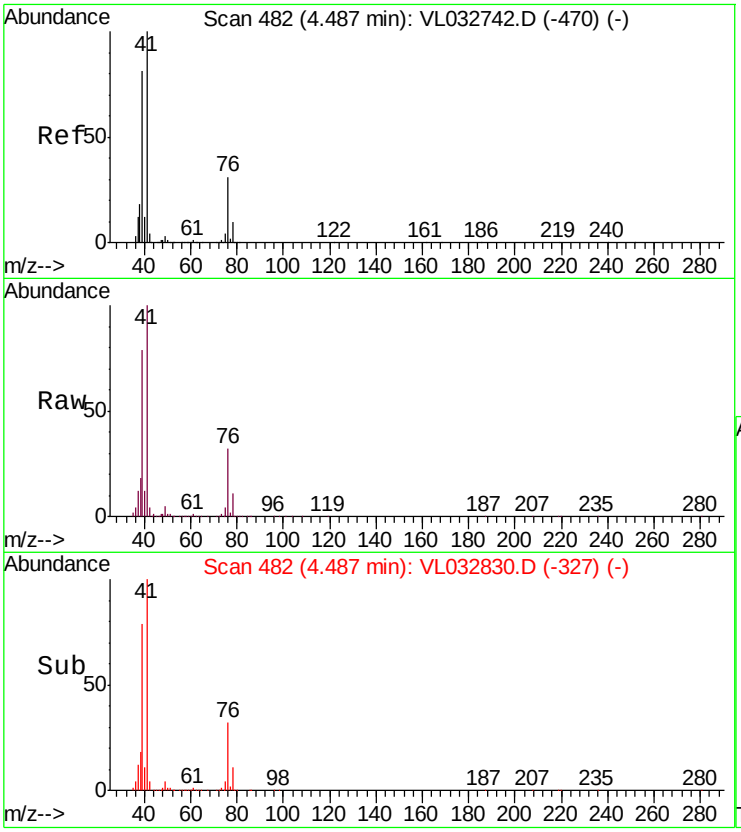


#20
Methylene Chloride
Concen: 9.423 ppbv
RT: 4.42 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 84 Resp: 688101

Ion	Ratio	Lower	Upper
84	100		
49	139.9	115.8	173.6
51	44.0	36.9	55.3
86	63.6	52.4	78.6



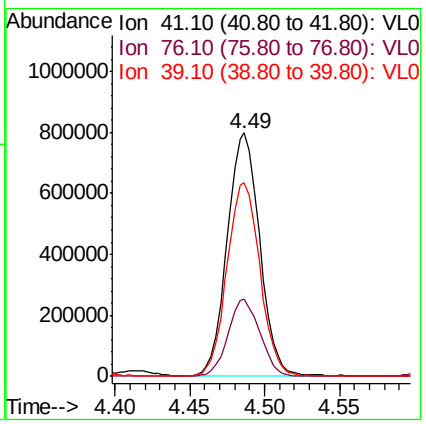


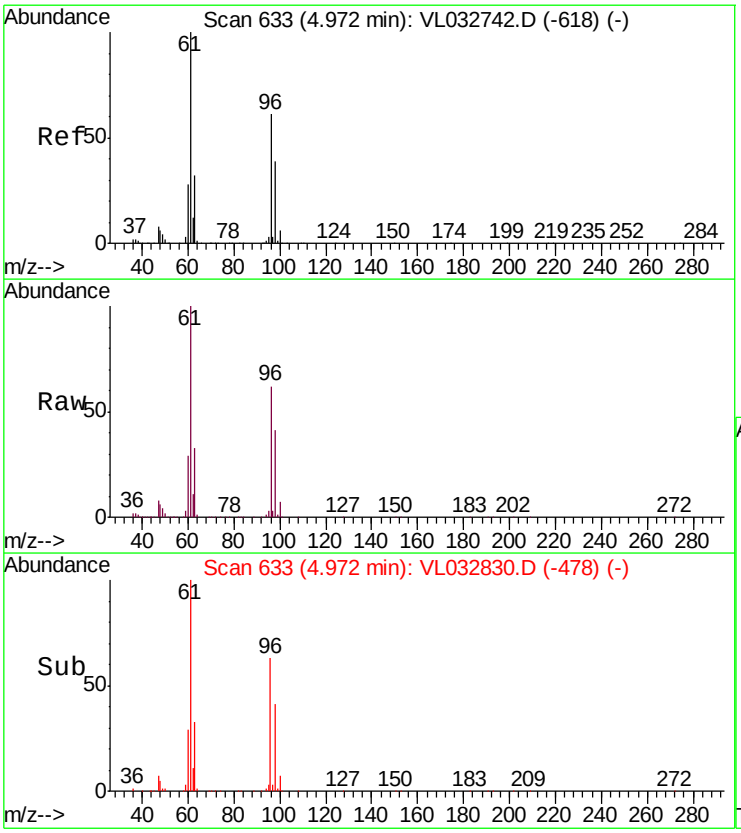
#21
Allyl Chloride
Concen: 10.146 ppbv
RT: 4.49 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 1202659

Ion	Ratio	Lower	Upper
41	100		
76	31.2	24.4	36.6
39	80.9	63.5	95.3

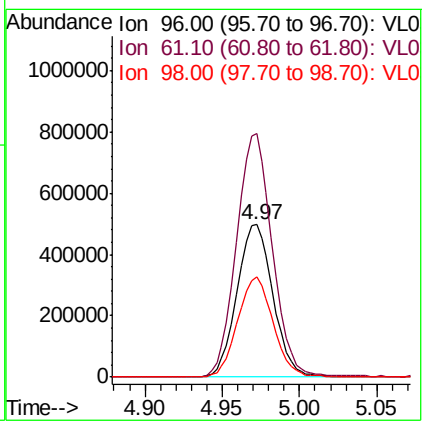


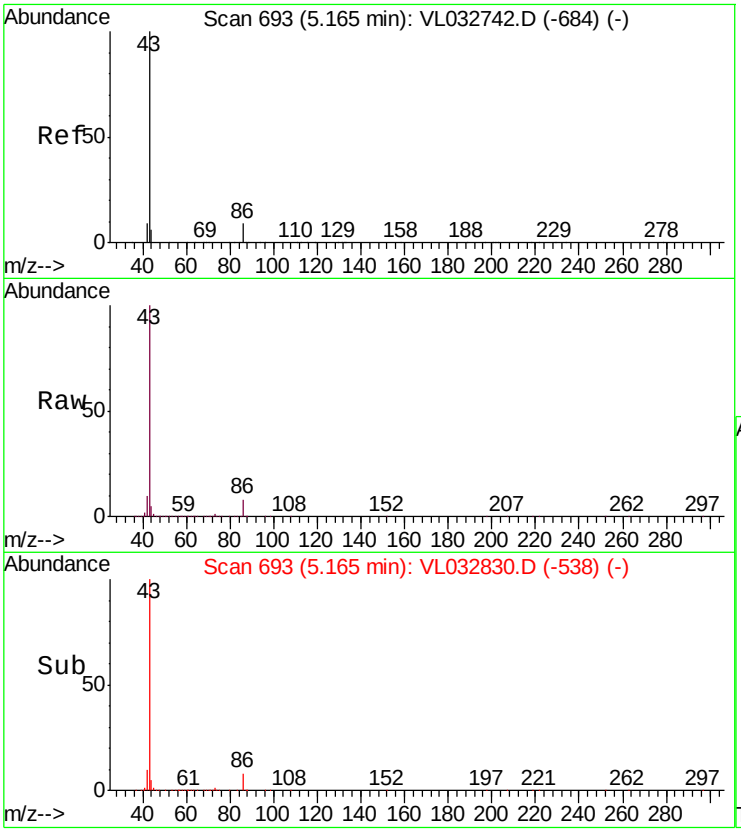


#22
trans-1,2-Dichloroethene
Concen: 9.827 ppbv
RT: 4.97 min Scan# 633
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 96 Resp: 806417

Ion	Ratio	Lower	Upper
96	100		
61	160.0	130.2	195.2
98	65.6	50.2	75.2



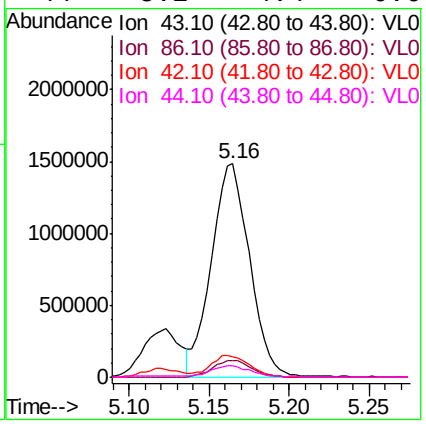


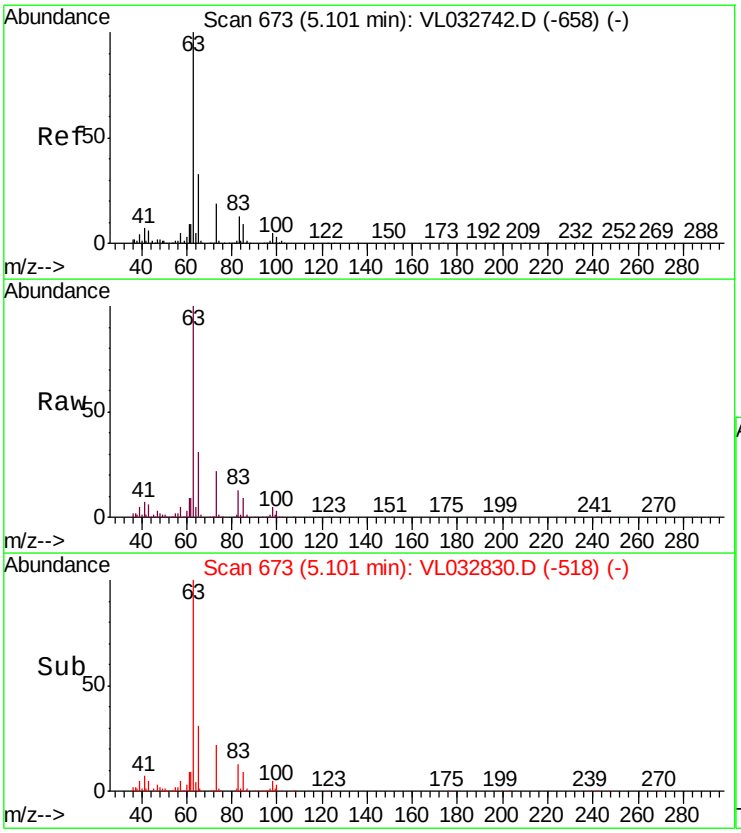
#23
Vinyl Acetate
Concen: 9.453 ppbv
RT: 5.16 min Scan# 693
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2430601

Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.2	9.4
42	9.5	7.8	11.6
44	5.2	4.4	6.6

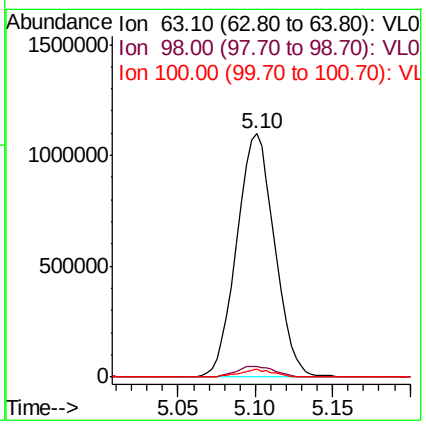


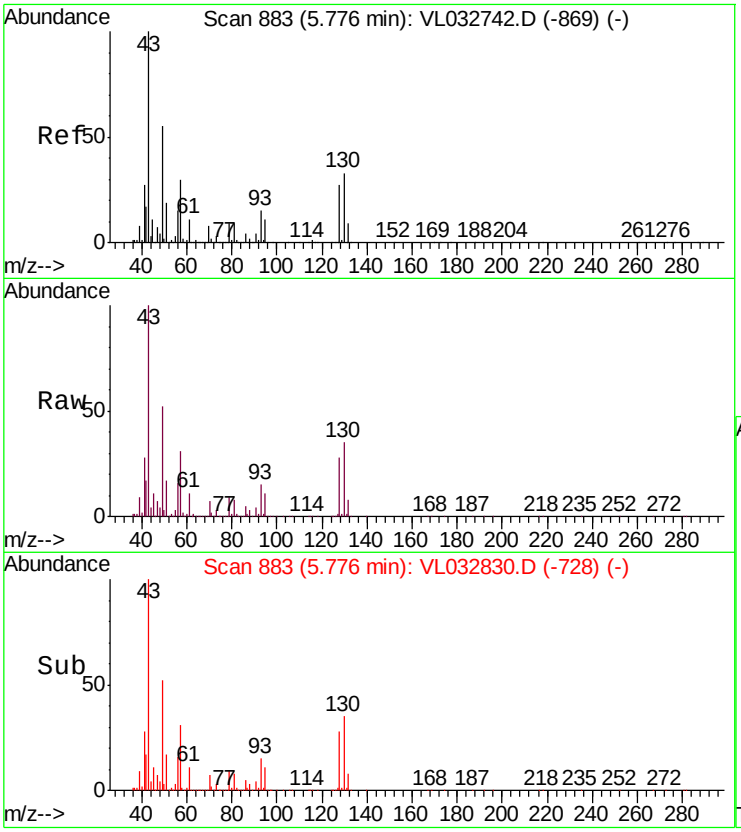


#24
1,1-Dichloroethane
Concen: 9.131 ppbv
RT: 5.10 min Scan# 673
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 63 Resp: 1866507

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.8
100	3.3	1.4	4.2



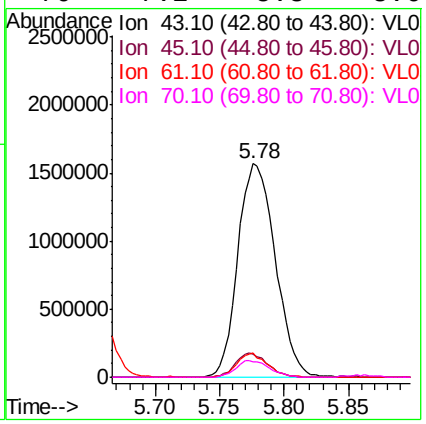


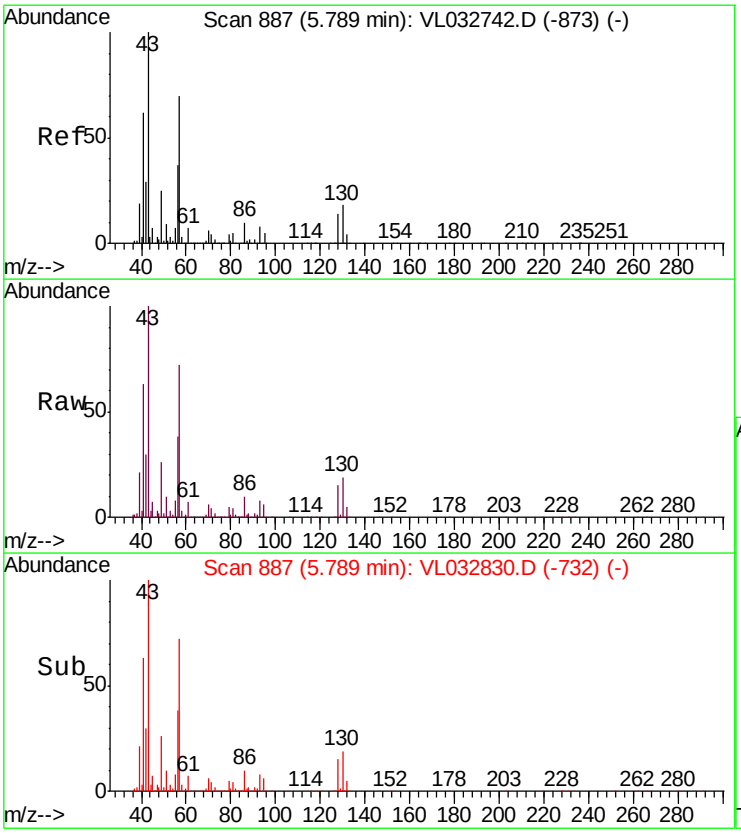
#25
Ethyl Acetate
Concen: 9.617 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 3161517

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.4	7.8	11.6
70	7.2	5.8	8.6

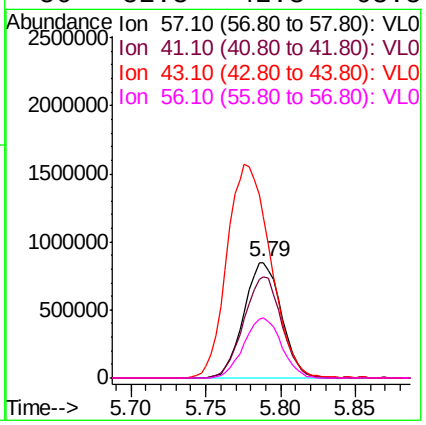


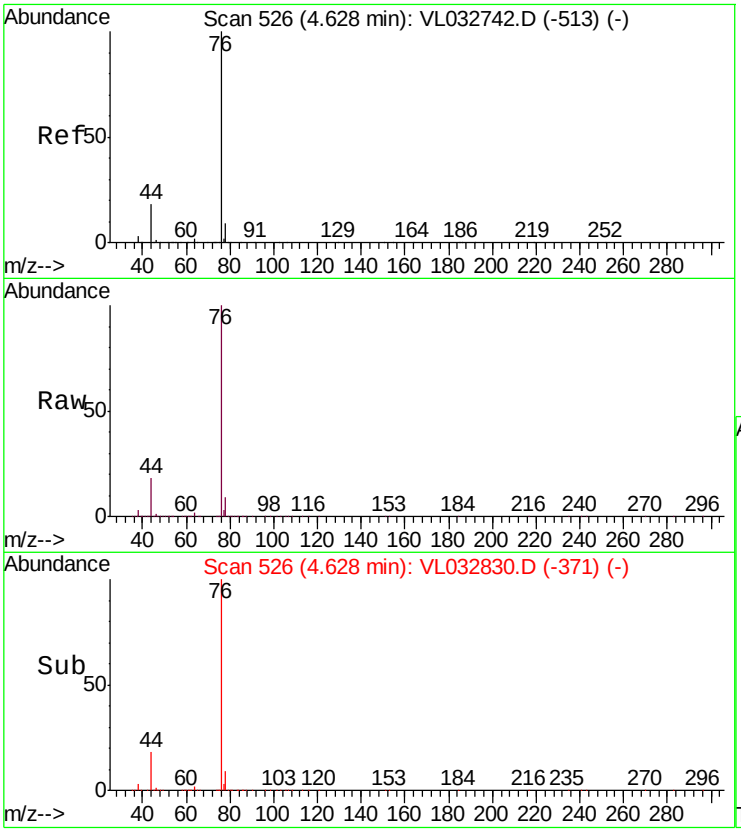


#26
Hexane
Concen: 10.121 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 57 Resp: 1481103

Ion	Ratio	Lower	Upper
57	100		
41	88.7	70.3	105.5
43	214.6	174.0	261.0
56	52.3	42.3	63.5



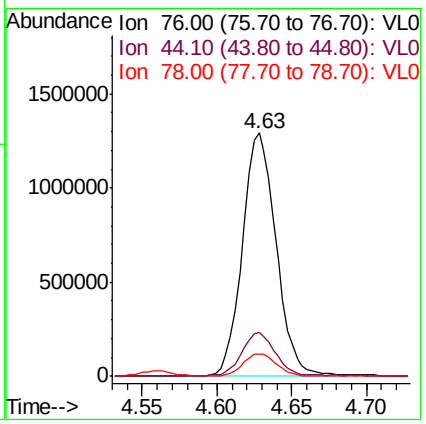


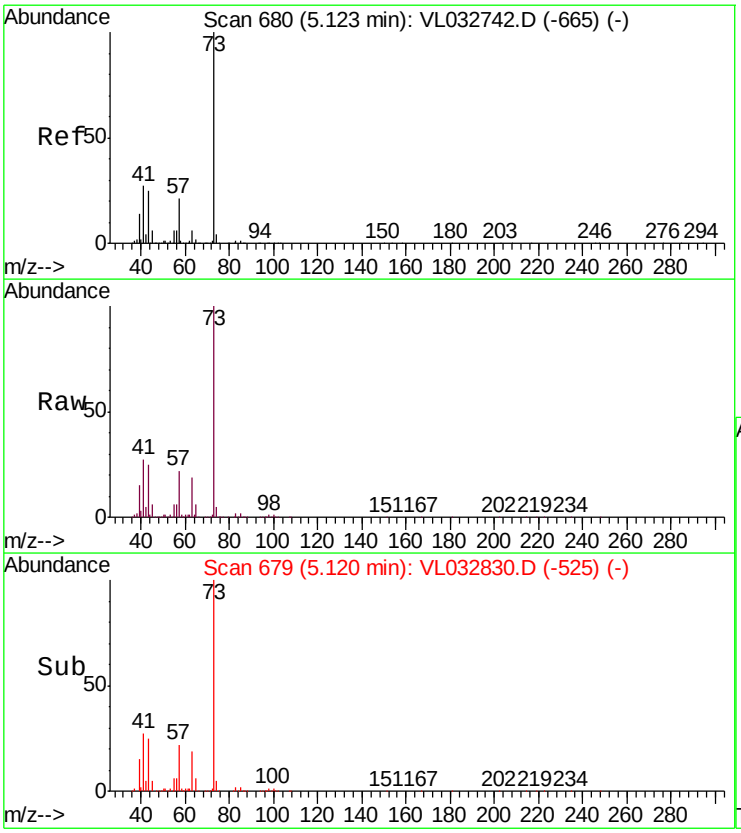
#27
Carbon Disulfide
Concen: 10.924 ppbv
RT: 4.63 min Scan# 526
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 2027063

Ion	Ratio	Lower	Upper
76	100		
44	18.1	14.4	21.6
78	9.4	7.7	11.5

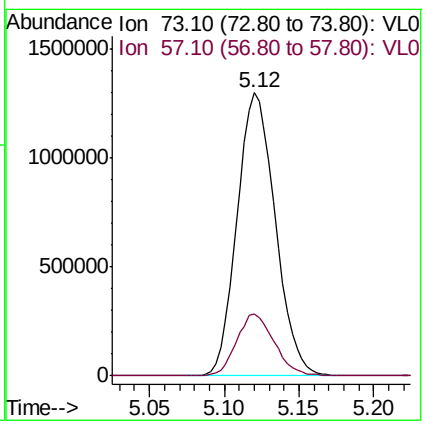


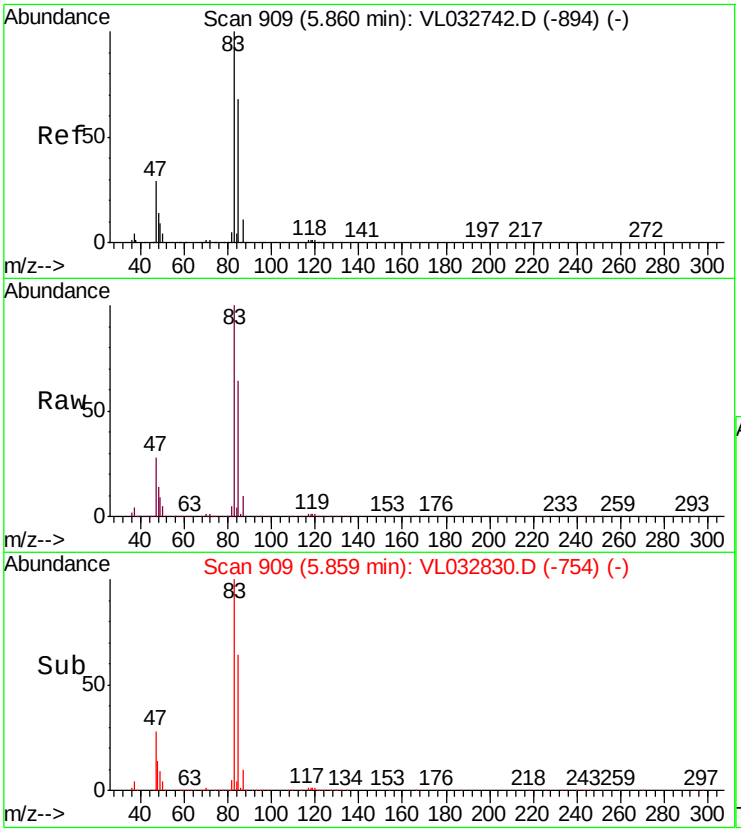


#28
Methyl tert-Butyl Ether
Concen: 9.897 ppbv
RT: 5.12 min Scan# 679
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 73 Resp: 2309650

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.5	26.3



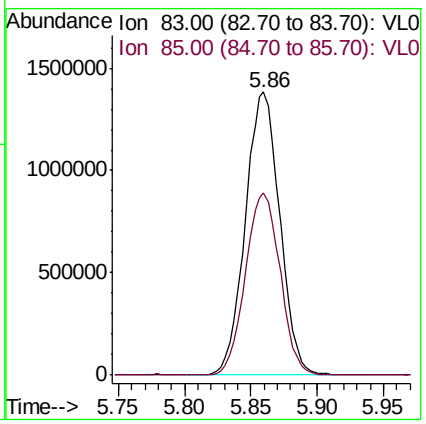


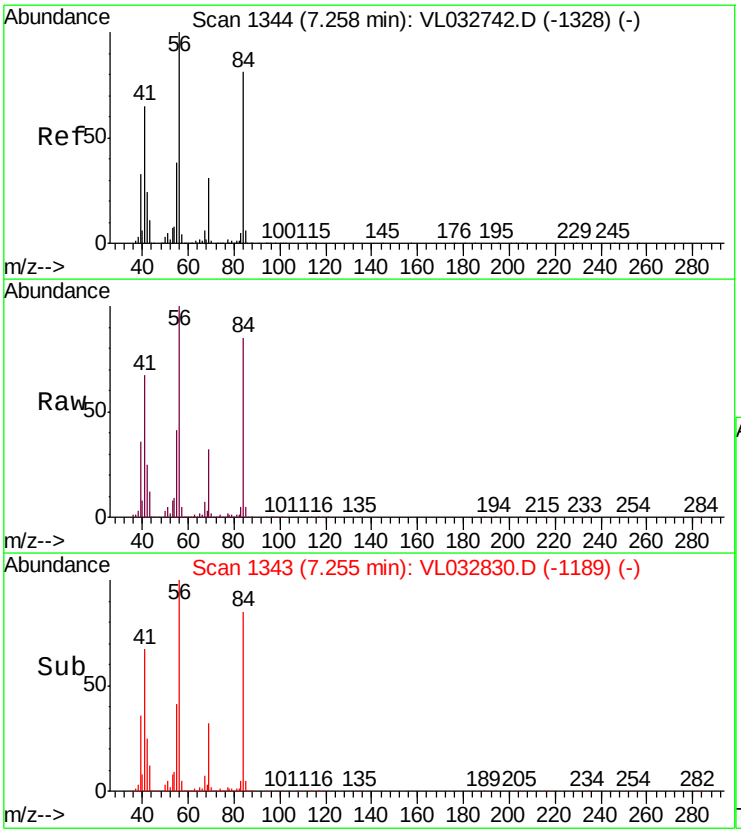
#29
Chloroform
Concen: 9.597 ppbv
RT: 5.86 min Scan# 909
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2503127

Ion	Ratio	Lower	Upper
83	100		
85	64.1	54.2	81.4

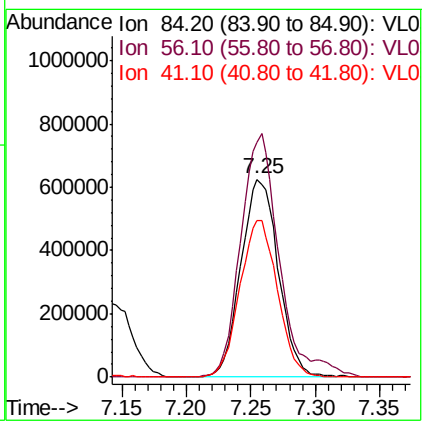


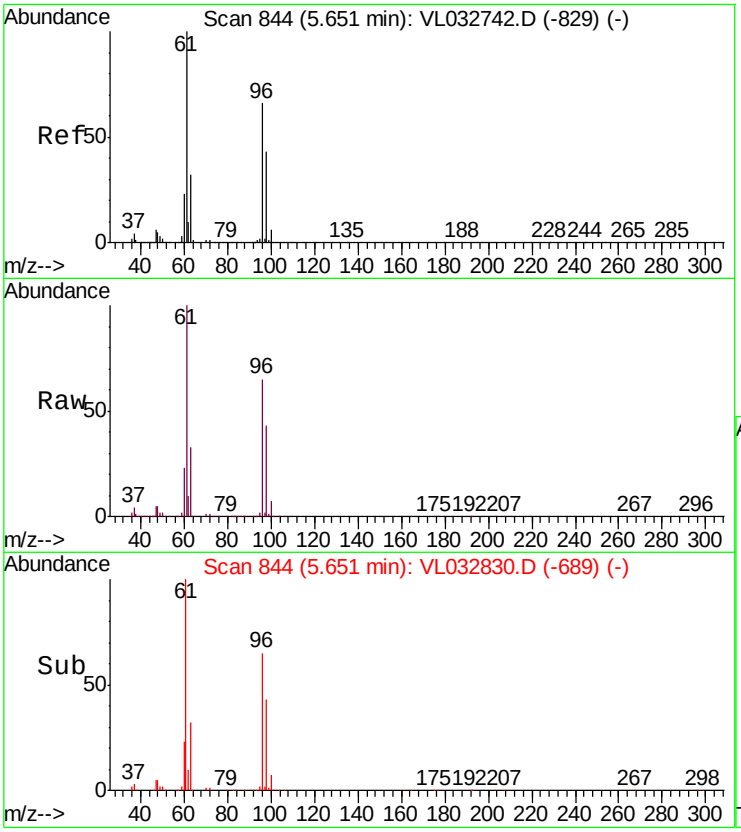


#30
Cyclohexane
Concen: 9.900 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 84 Resp: 1267107

Ion	Ratio	Lower	Upper
84	100		
56	127.3	105.0	157.4
41	79.4	65.3	97.9



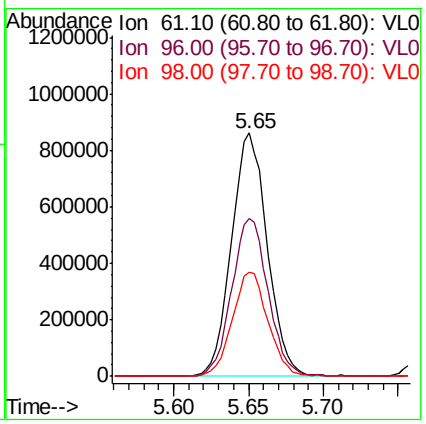


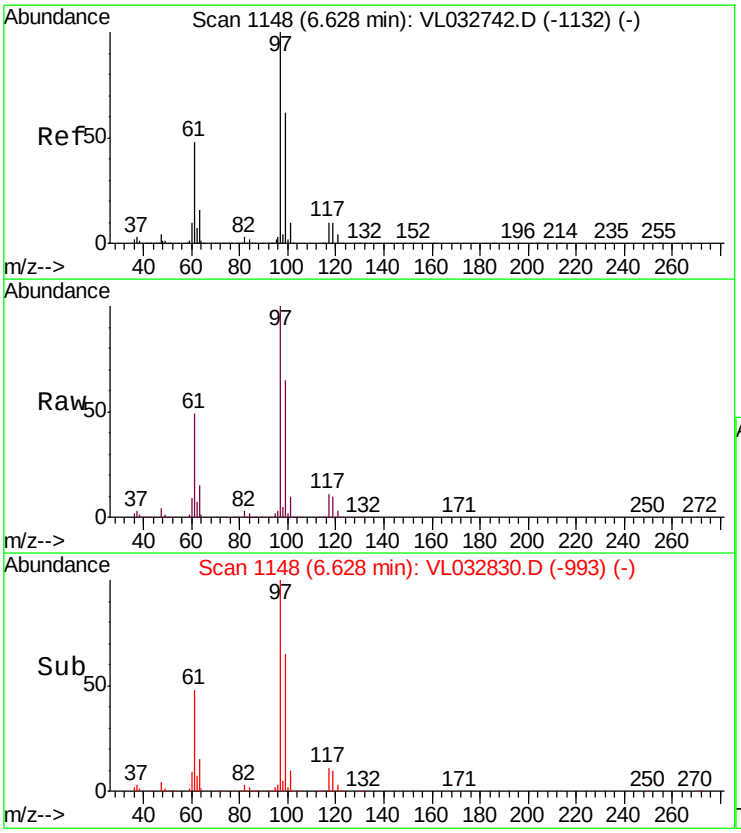
#31
cis-1,2-Dichloroethene
Concen: 9.759 ppbv
RT: 5.65 min Scan# 844
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1435838

Ion	Ratio	Lower	Upper
61	100		
96	64.9	53.2	79.8
98	42.8	34.4	51.6

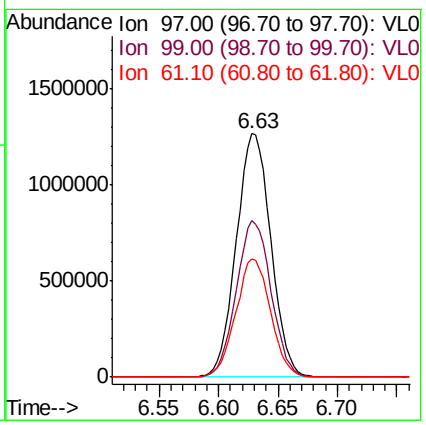


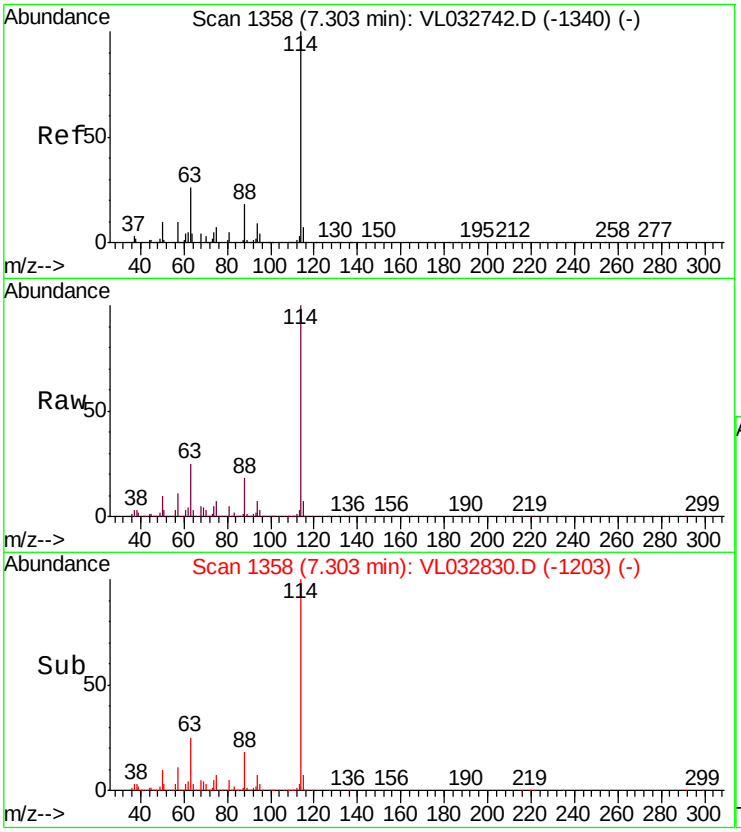


#32
1,1,1-Trichloroethane
Concen: 8.936 ppbv
RT: 6.63 min Scan# 1148
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 97 Resp: 2554635

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	48.8	39.7	59.5



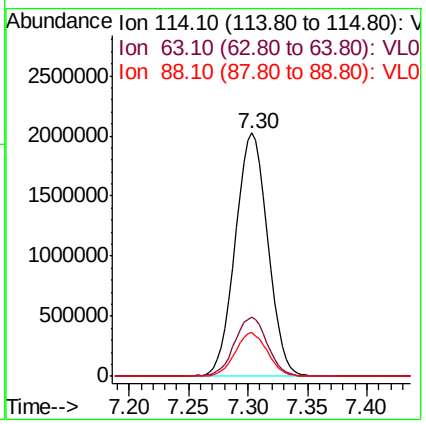


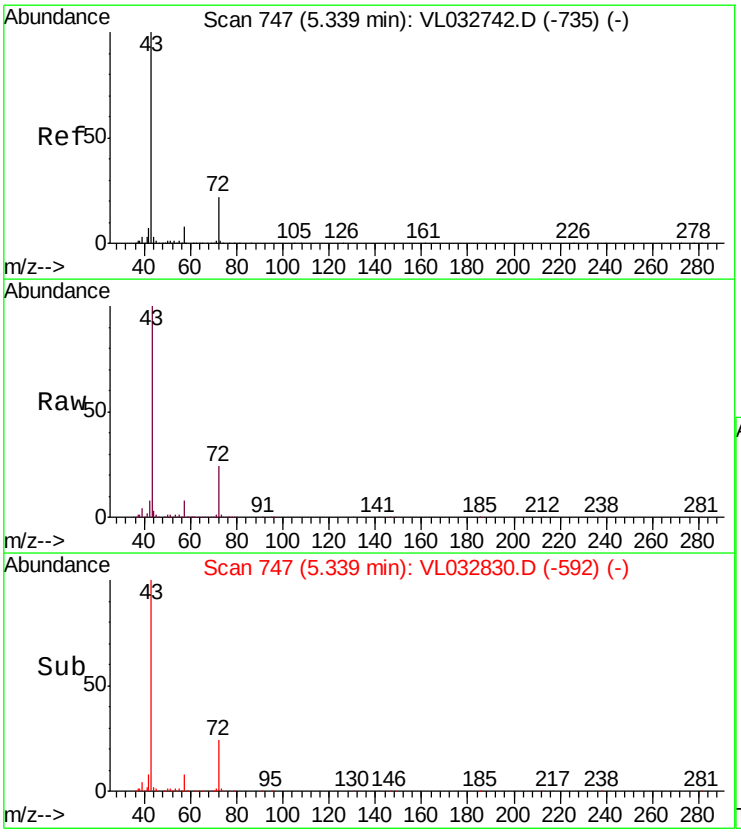
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 3837075

Ion	Ratio	Lower	Upper
114	100		
63	24.9	20.9	31.3
88	17.8	14.4	21.6

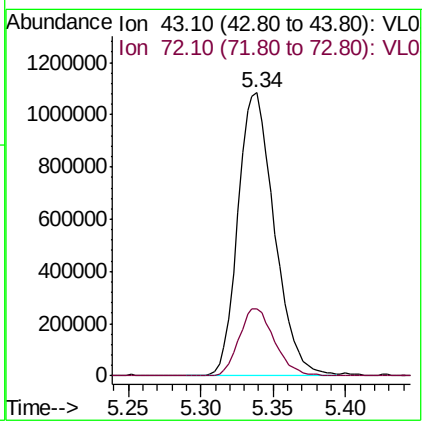


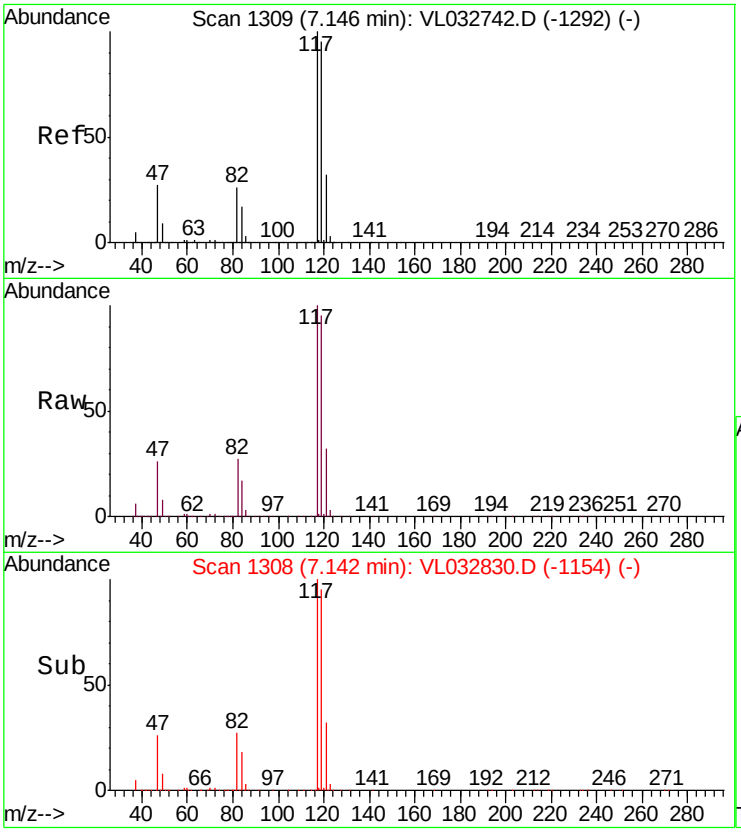


#34
2-Butanone
Concen: 9.498 ppbv
RT: 5.34 min Scan# 747
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 43 Resp: 1890323

Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.4	27.6



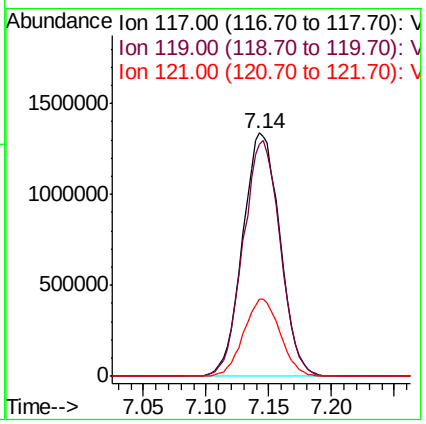


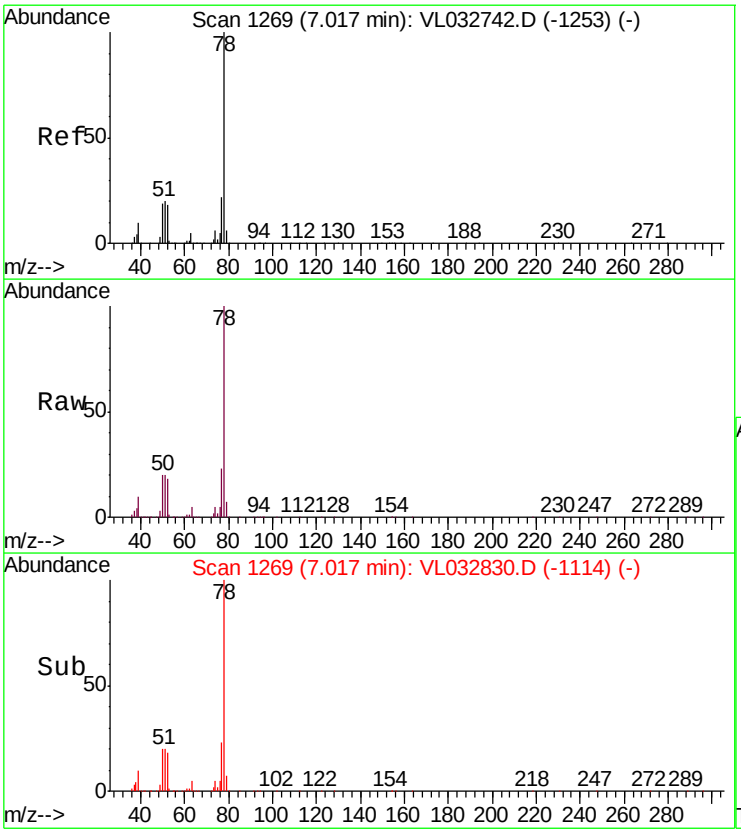
#35
Carbon Tetrachloride
Concen: 9.000 ppbv
RT: 7.14 min Scan# 1308
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2776146

Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.1	114.1
121	31.6	25.4	38.0

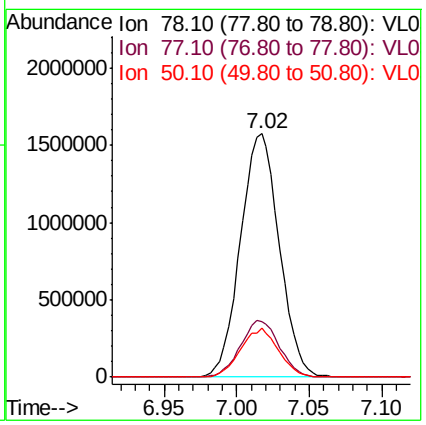


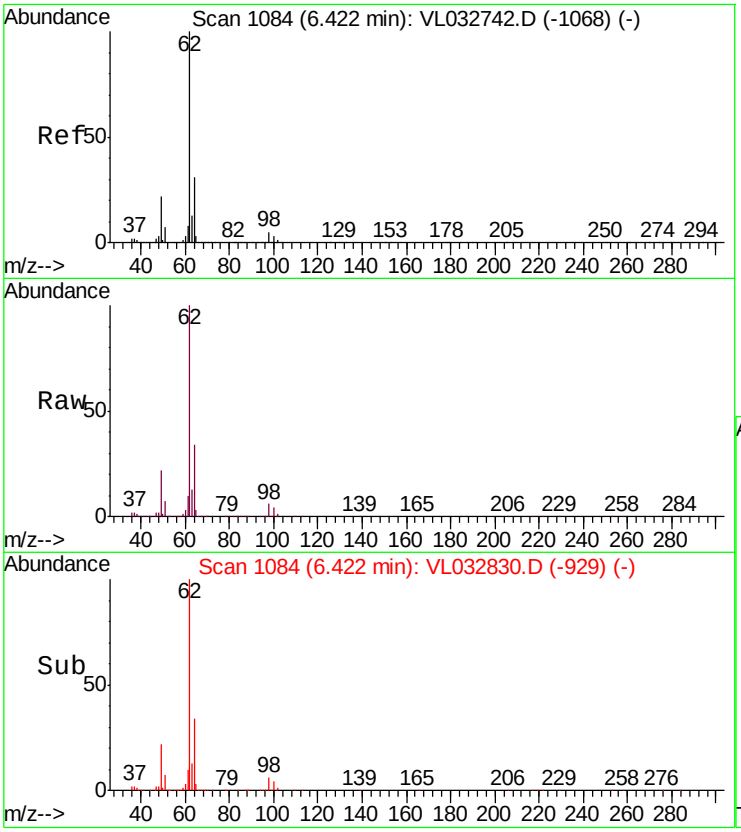


#36
Benzene
Concen: 9.589 ppbv
RT: 7.02 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 78 Resp: 2929840

Ion	Ratio	Lower	Upper
78	100		
77	22.8	17.8	26.8
50	19.9	15.4	23.0



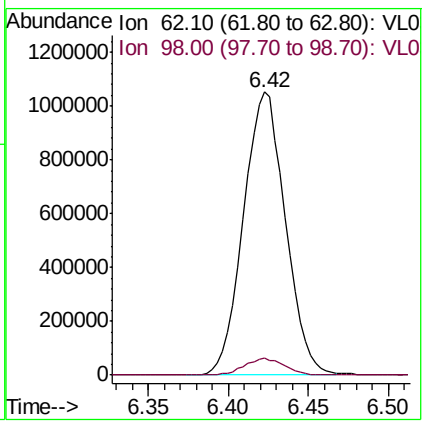


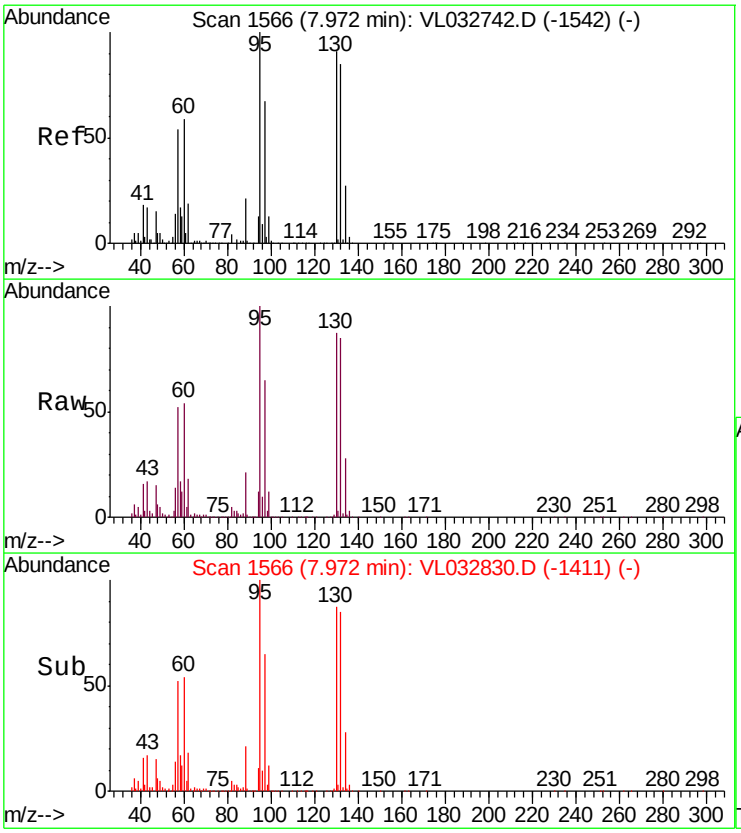
#37
1,2-Dichloroethane
Concen: 9.158 ppbv
RT: 6.42 min Scan# 1084
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 1883611

Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.5	6.7

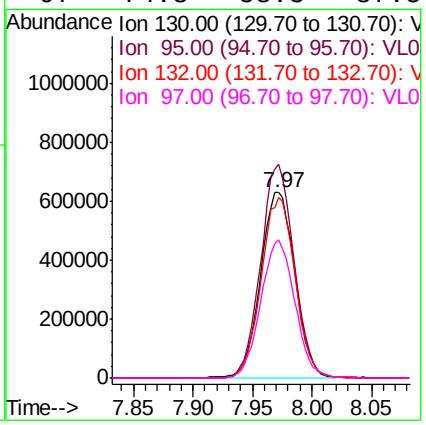


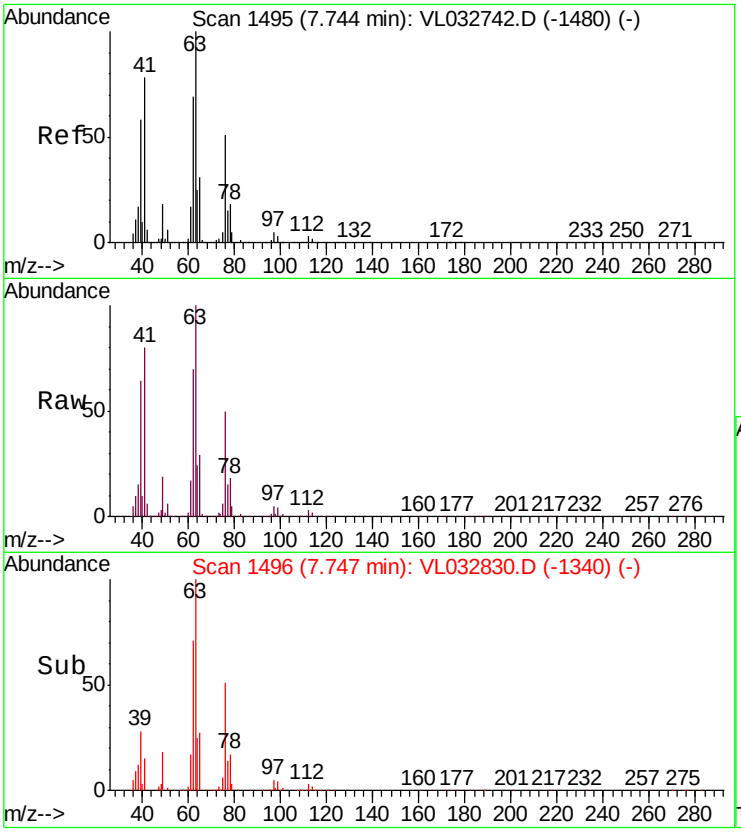


#38
Trichloroethene
Concen: 10.177 ppbv
RT: 7.97 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion:130 Resp: 1258422

Ion	Ratio	Lower	Upper
130	100		
95	115.3	87.7	131.5
132	97.5	74.6	111.8
97	74.8	58.3	87.5



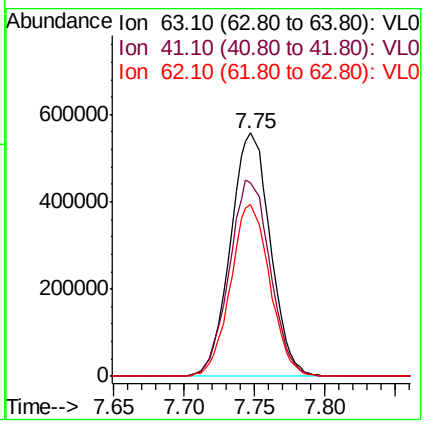


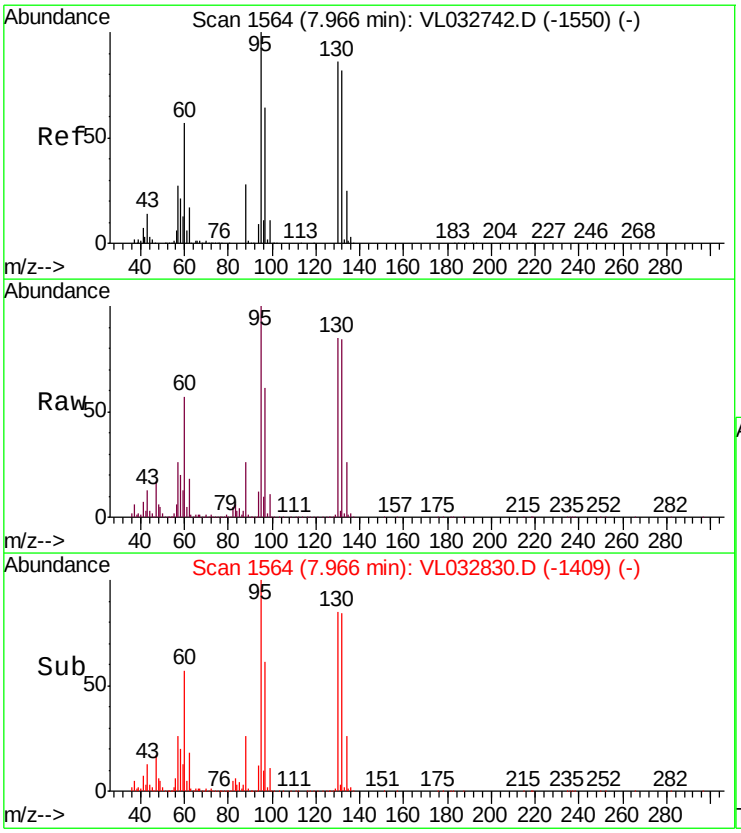
#39
1,2-Dichloropropane
Concen: 9.460 ppbv
RT: 7.75 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 1101335

Ion	Ratio	Lower	Upper
63	100		
41	79.6	62.0	93.0
62	70.4	55.4	83.2

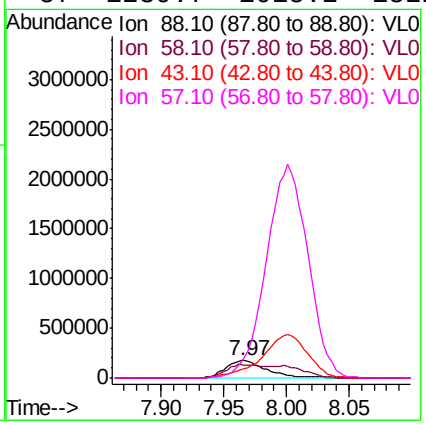


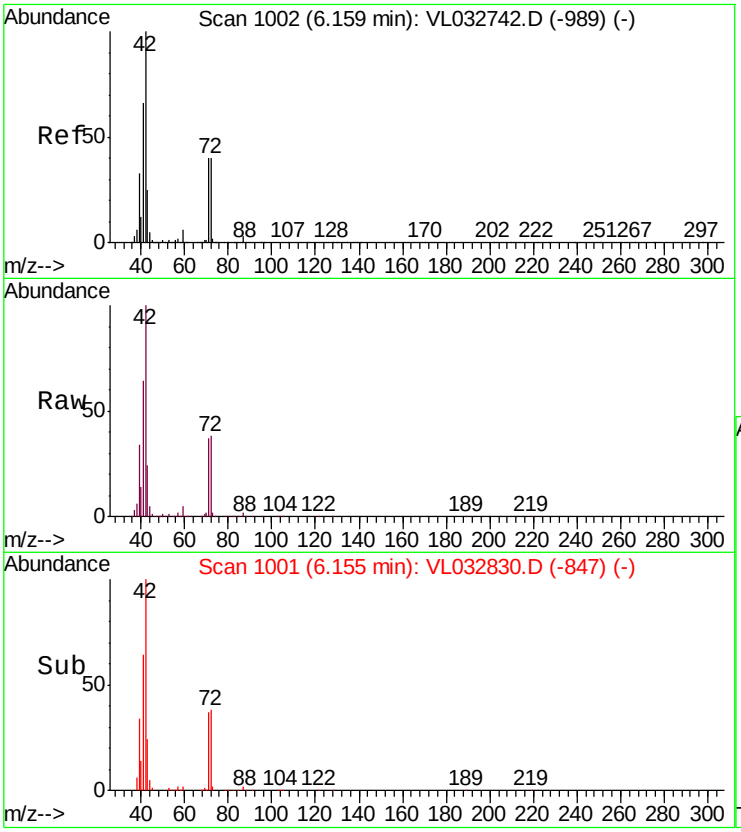


#40
1,4-Dioxane
Concen: 9.679 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 88 Resp: 402462

Ion	Ratio	Lower	Upper
88	100		
58	128.8	105.3	157.9
43	276.4	226.1	339.1
57	1239.7	1015.2	1522.8



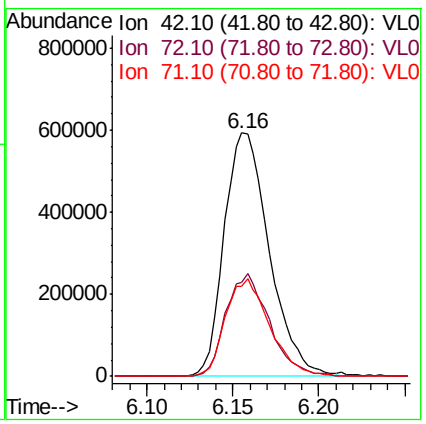


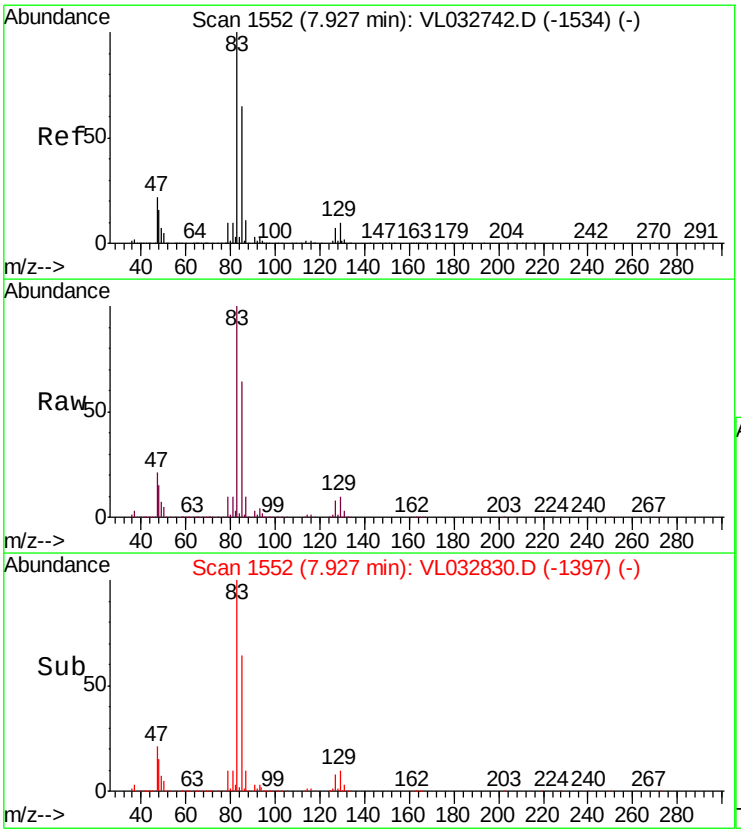
#41
Tetrahydrofuran
Concen: 9.445 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 1078164

Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.4	48.6
71	39.5	31.6	47.4

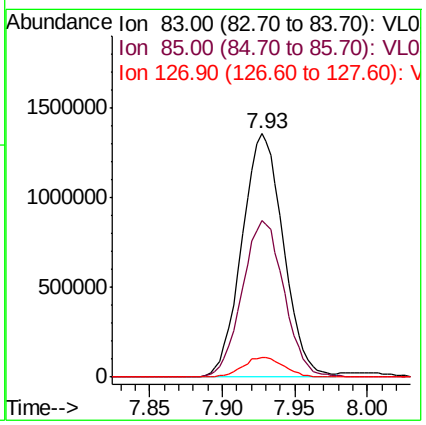


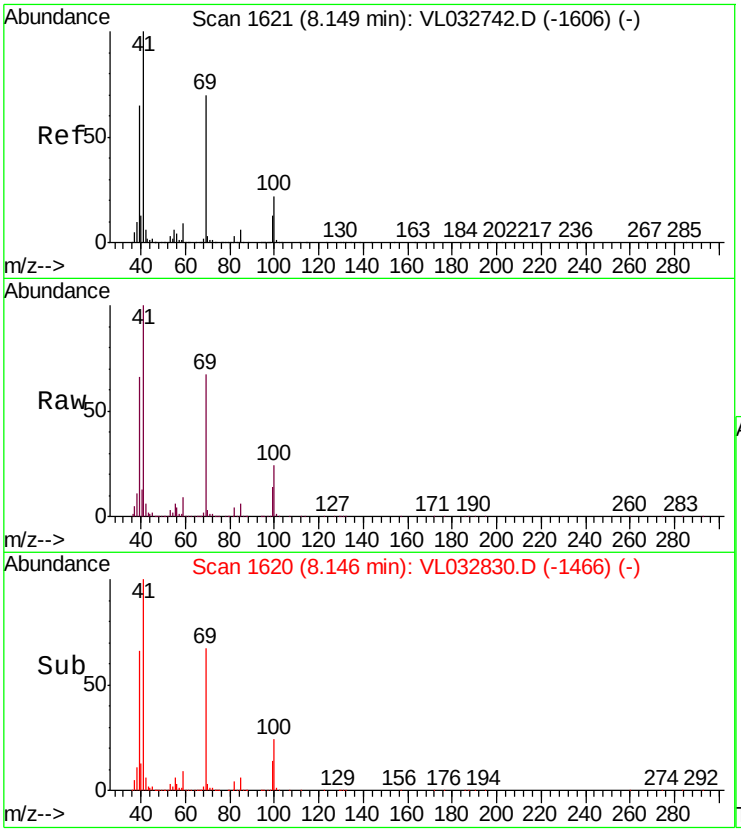


#42
Bromodichloromethane
Concen: 9.682 ppbv
RT: 7.93 min Scan# 1552
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 83 Resp: 2699678

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.8
127	8.0	5.9	8.9



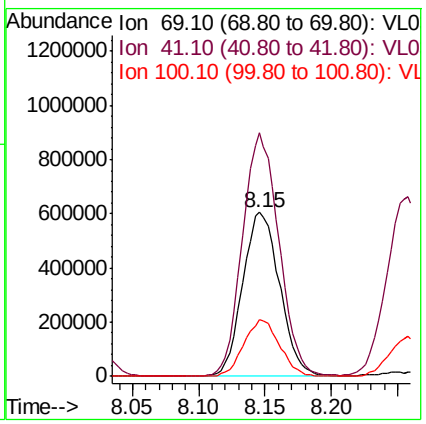


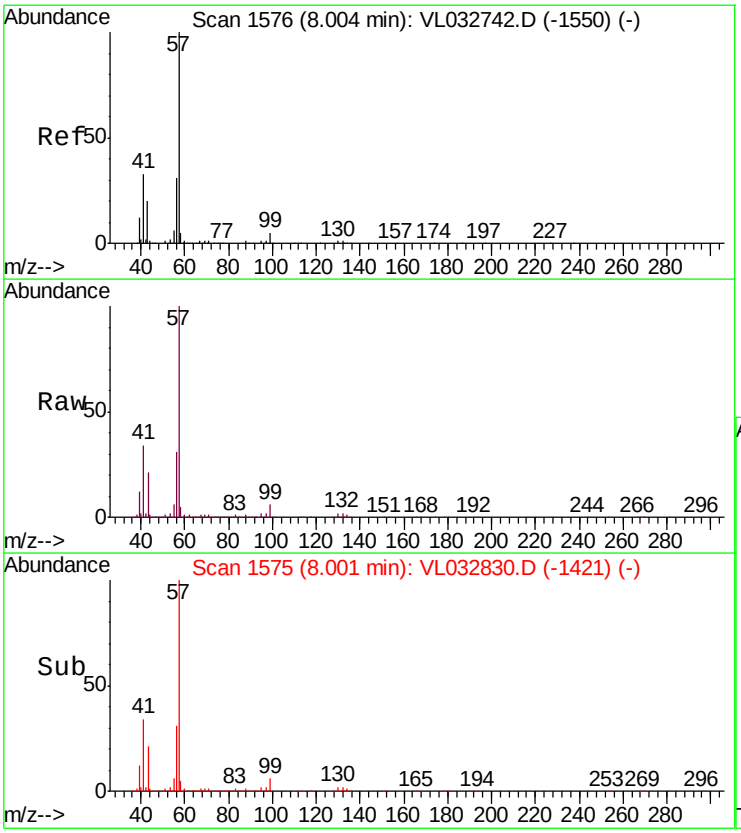
#43
Methyl Methacrylate
Concen: 10.309 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 1175974

Ion	Ratio	Lower	Upper
69	100		
41	146.6	115.0	172.4
100	33.4	25.4	38.0

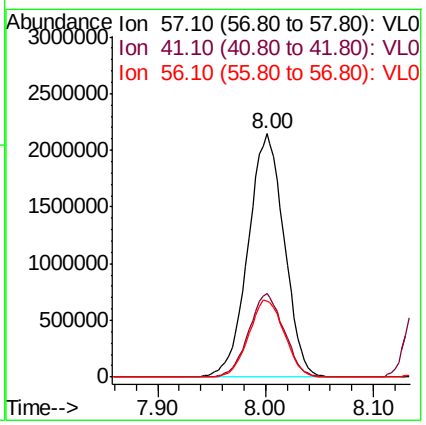


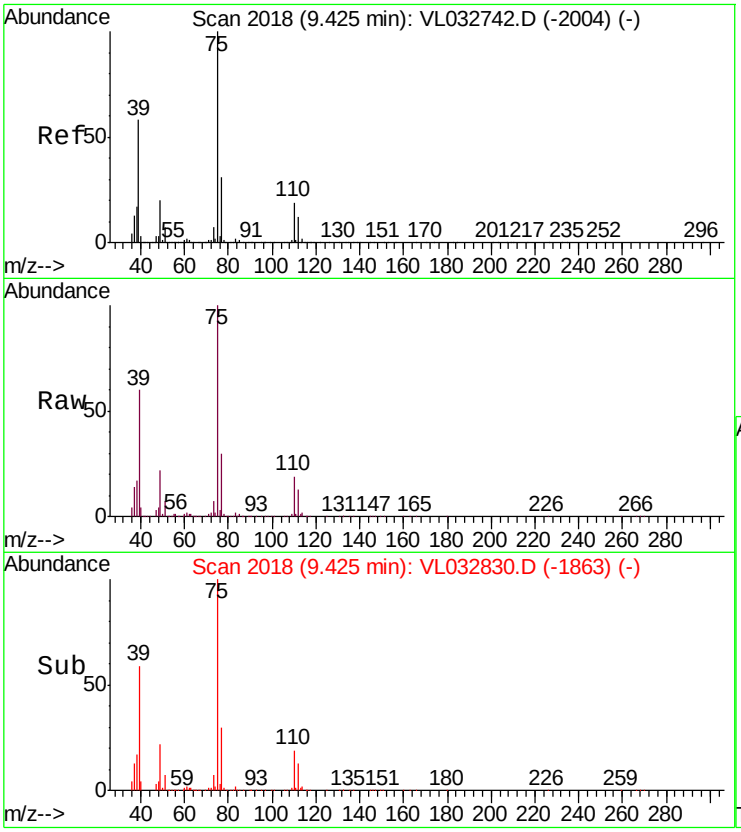


#44
2,2,4-Trimethylpentane
Concen: 9.761 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 57 Resp: 4983848

Ion	Ratio	Lower	Upper
57	100		
41	33.3	26.6	39.8
56	31.1	24.8	37.2



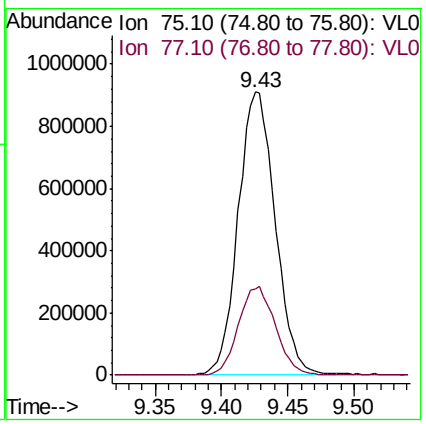


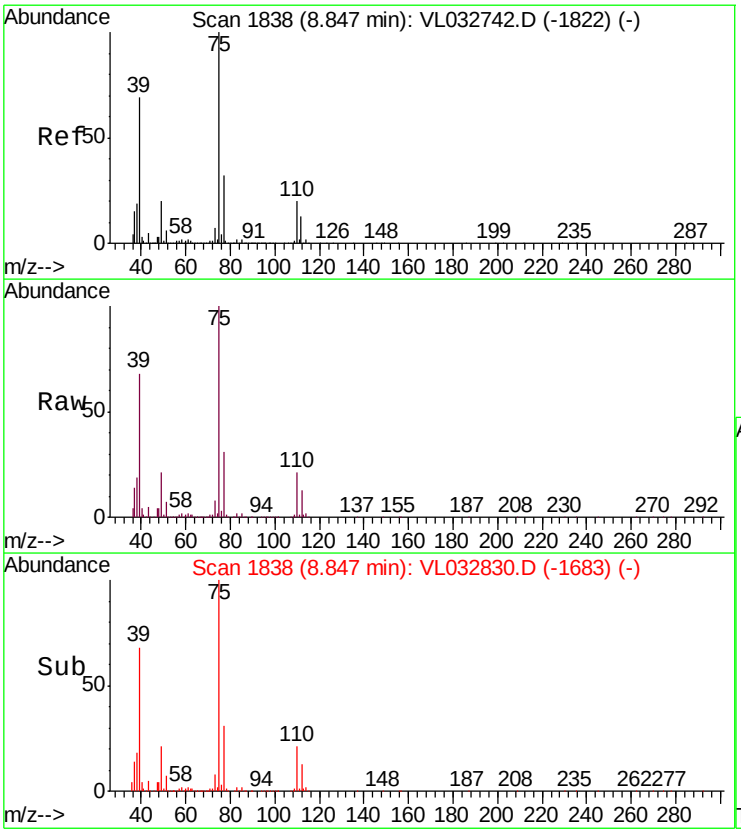
#45
t-1,3-Dichloropropene
Concen: 11.523 ppbv
RT: 9.43 min Scan# 2018
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1763741

Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.6	36.8

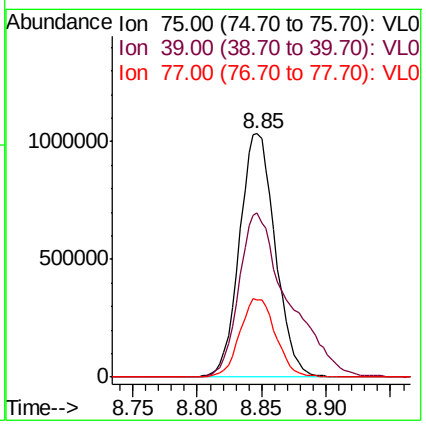


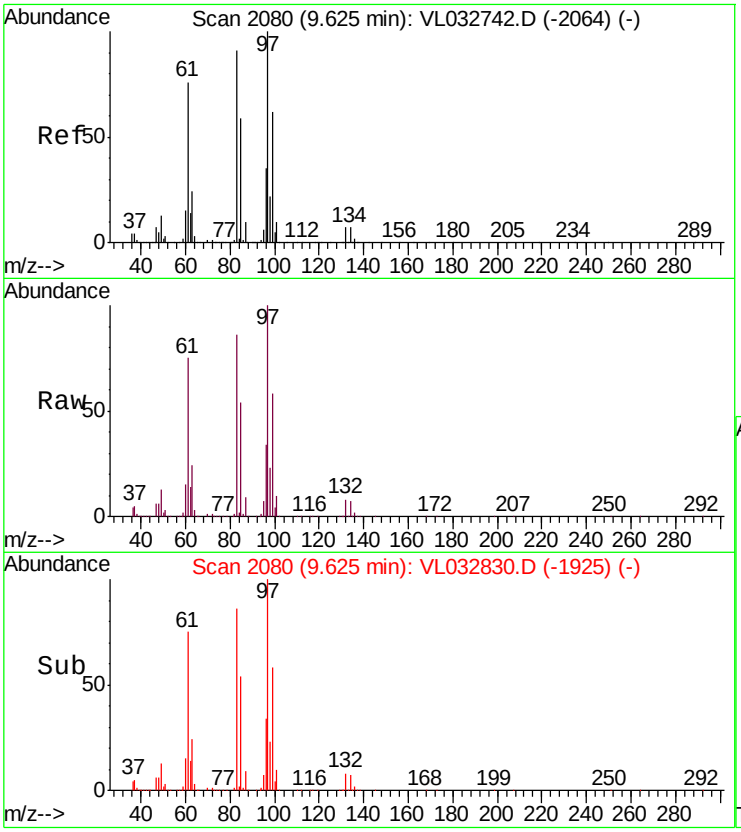


#46
cis-1,3-Dichloropropene
Concen: 10.782 ppbv
RT: 8.85 min Scan# 1838
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 75 Resp: 1993856

Ion	Ratio	Lower	Upper
75	100		
39	67.6	55.2	82.8
77	31.5	25.8	38.6



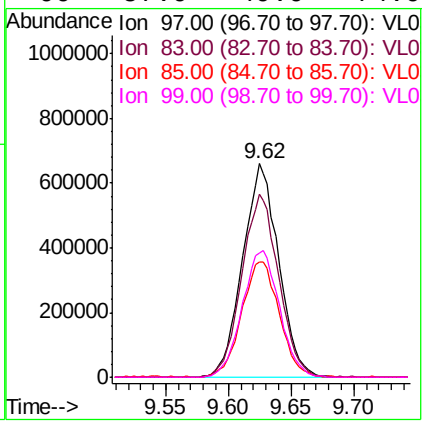


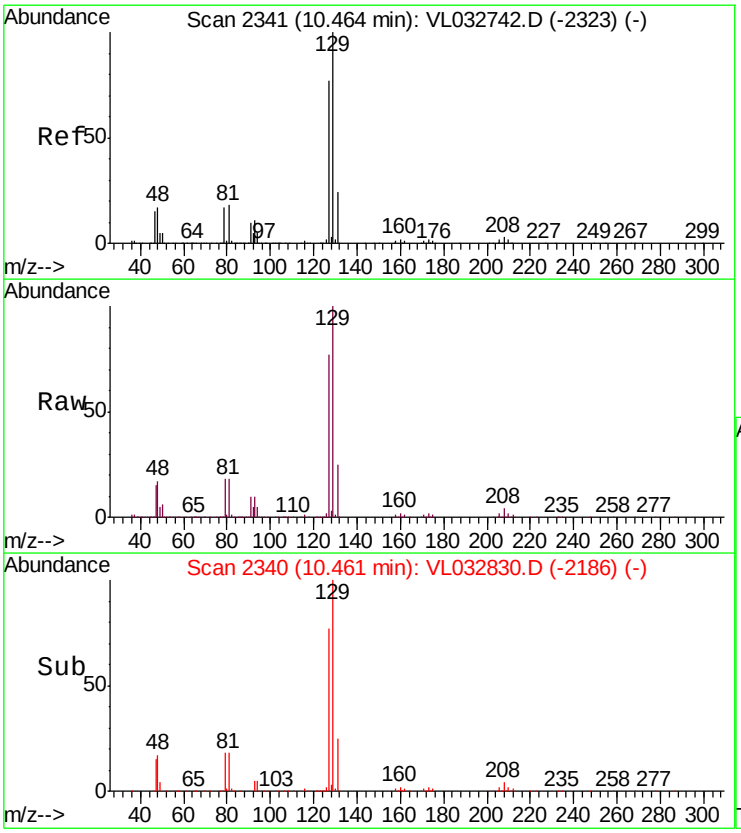
#47
1,1,2-Trichloroethane
Concen: 9.587 ppbv
RT: 9.62 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 1319788

Ion	Ratio	Lower	Upper
97	100		
83	85.6	73.0	109.4
85	53.8	47.0	70.4
99	57.9	49.9	74.9

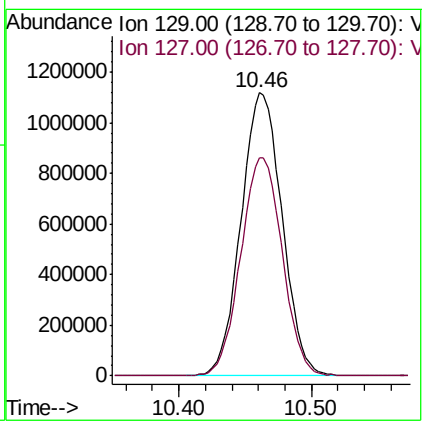


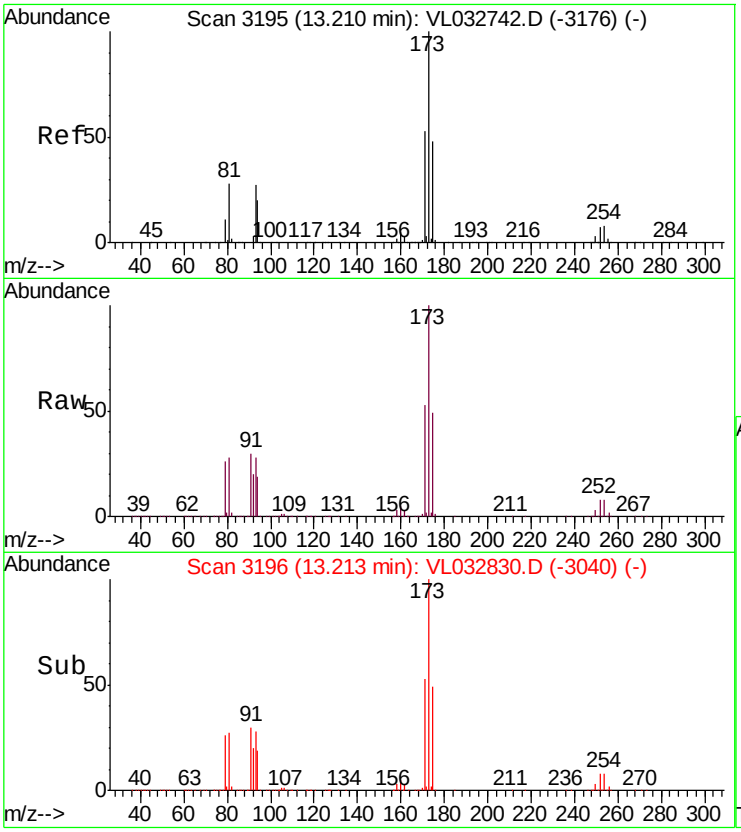


#48
Dibromochloromethane
Concen: 10.292 ppbv
RT: 10.46 min Scan# 2340
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion:129 Resp: 2407991

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.0	117.0



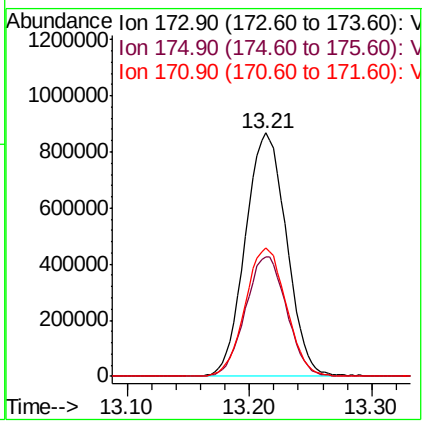


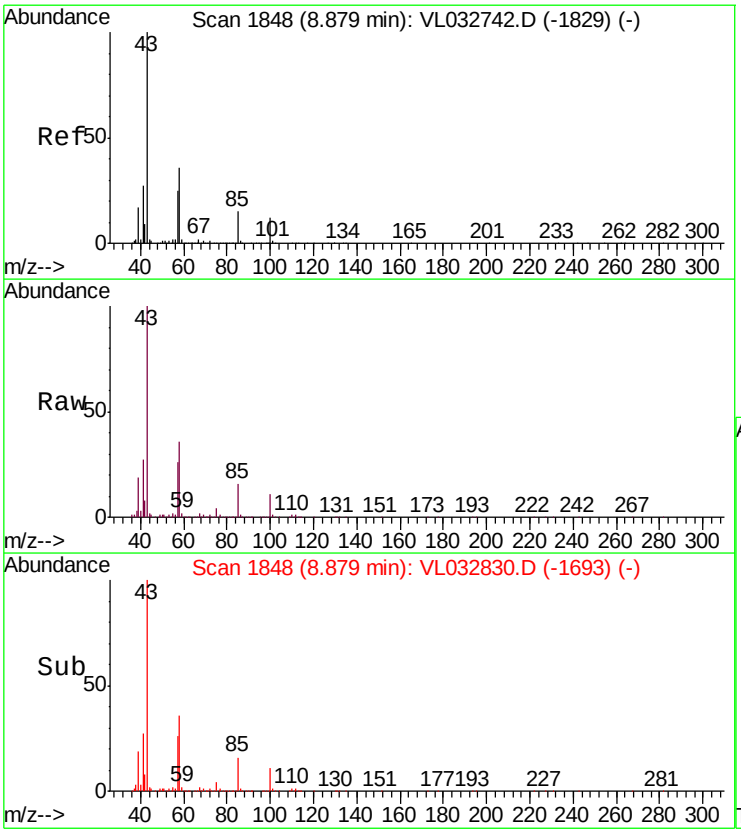
#49
Bromoform
Concen: 10.492 ppbv
RT: 13.21 min Scan# 3196
Delta R.T. 0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:173 Resp: 2027278

Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.4	59.0
171	52.5	42.0	63.0

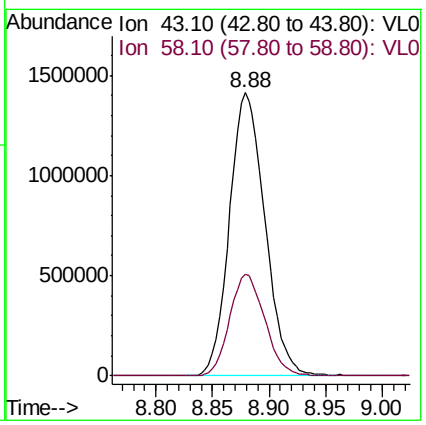


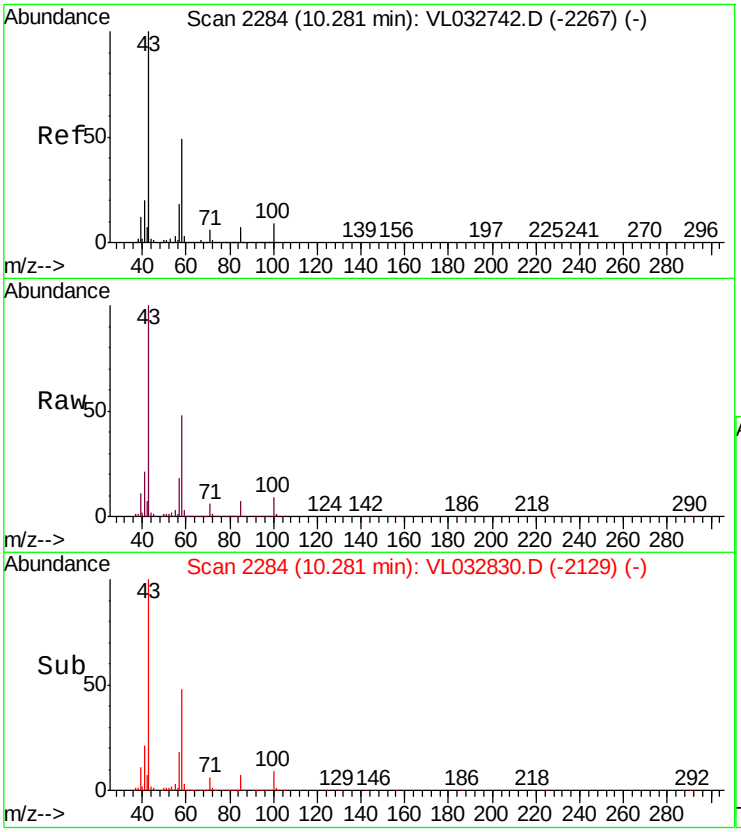


#50
4-Methyl-2-Pentanone
Concen: 9.898 ppbv
RT: 8.88 min Scan# 1848
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 43 Resp: 3076781

Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.8	43.2



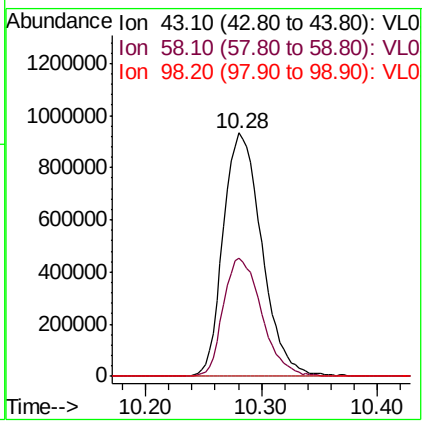


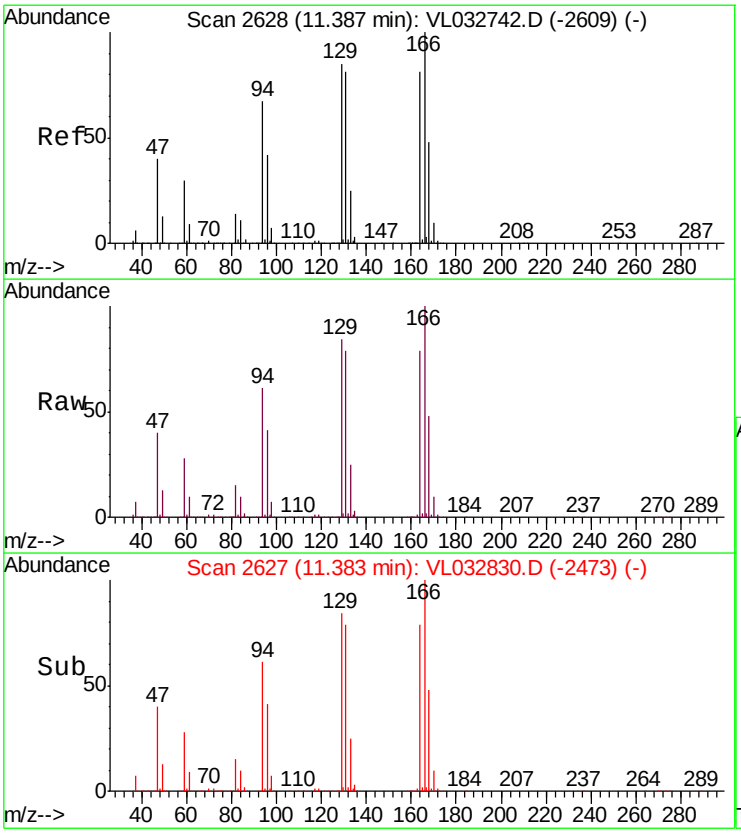
#51
2-Hexanone
Concen: 10.742 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2151250

Ion	Ratio	Lower	Upper
43	100		
58	48.7	38.9	58.3
98	0.2	0.2	0.4#

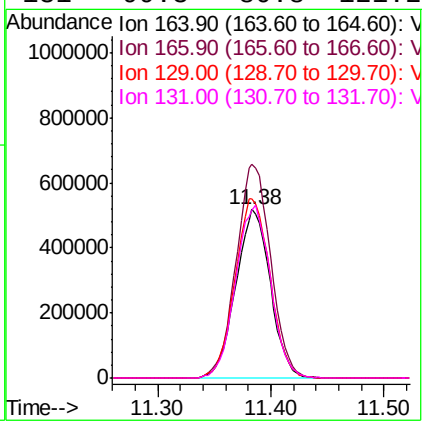


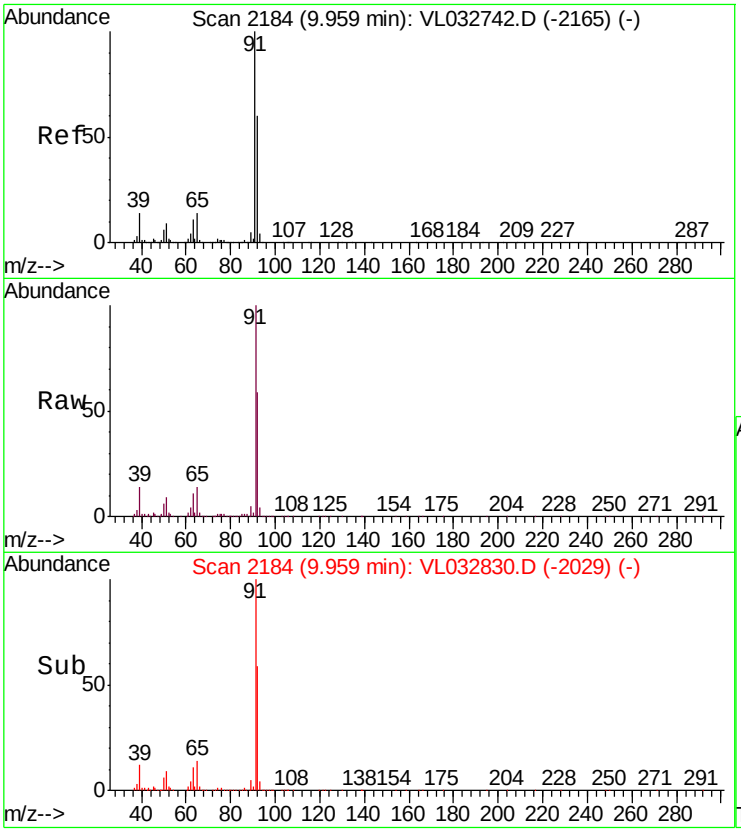


#52
Tetrachloroethene
Concen: 10.314 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion:164 Resp: 1096257

Ion	Ratio	Lower	Upper
164	100		
166	126.3	99.3	148.9
129	106.1	83.9	125.9
131	99.3	80.8	121.2



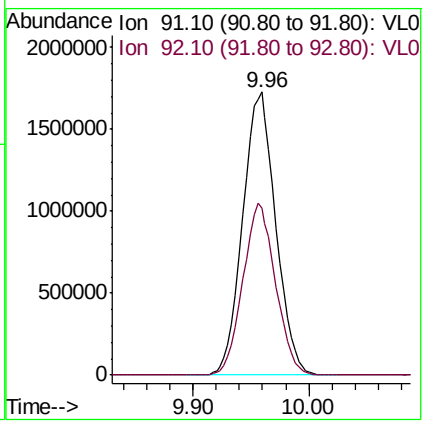


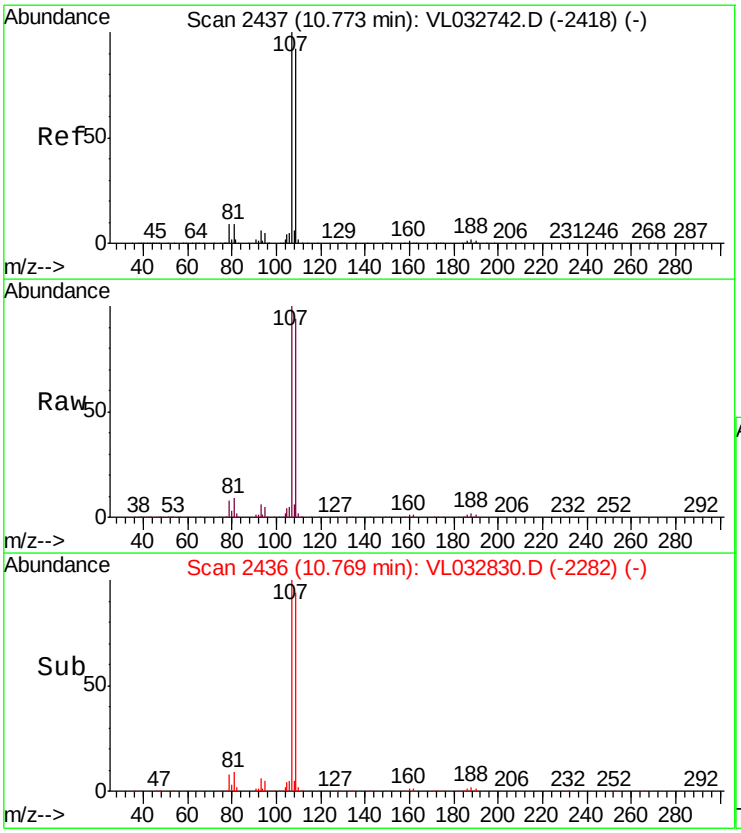
#53
Toluene
Concen: 10.751 ppbv
RT: 9.96 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 3427064

Ion	Ratio	Lower	Upper
91	100		
92	59.8	47.9	71.9

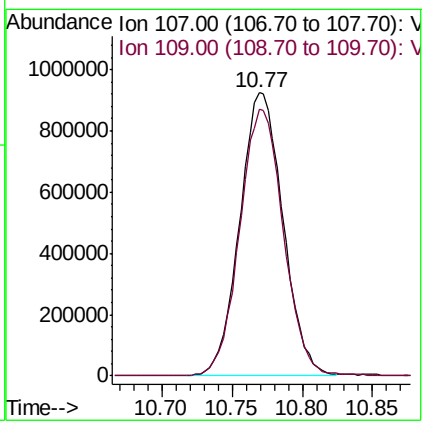


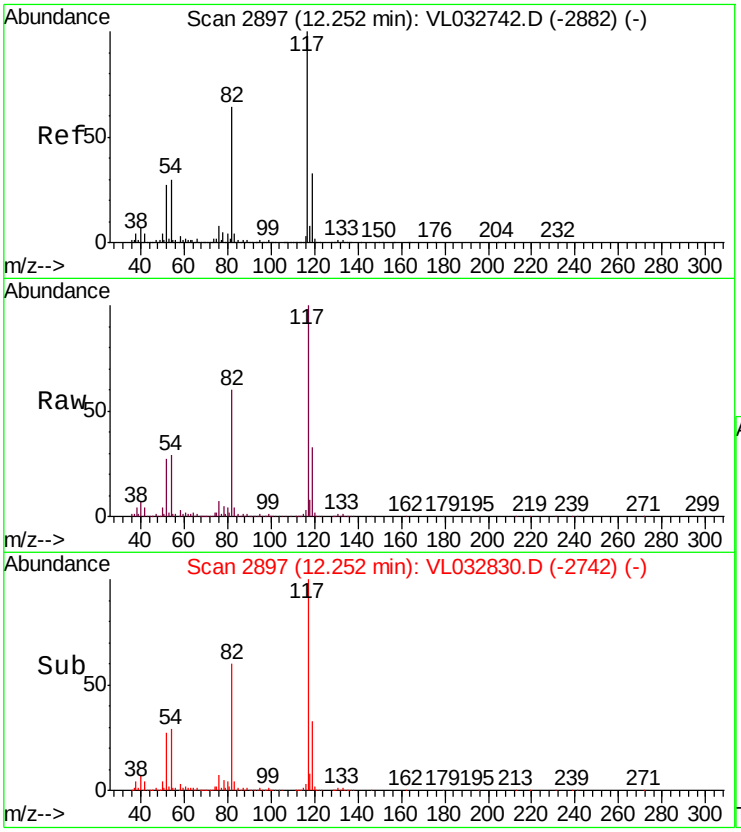


#54
1,2-Dibromoethane
Concen: 10.198 ppbv
RT: 10.77 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion:107 Resp: 1984495

Ion	Ratio	Lower	Upper
107	100		
109	94.0	73.8	110.8



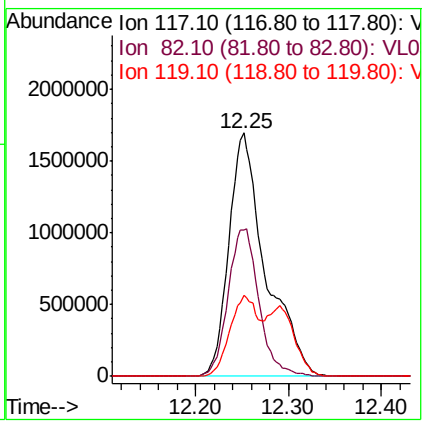


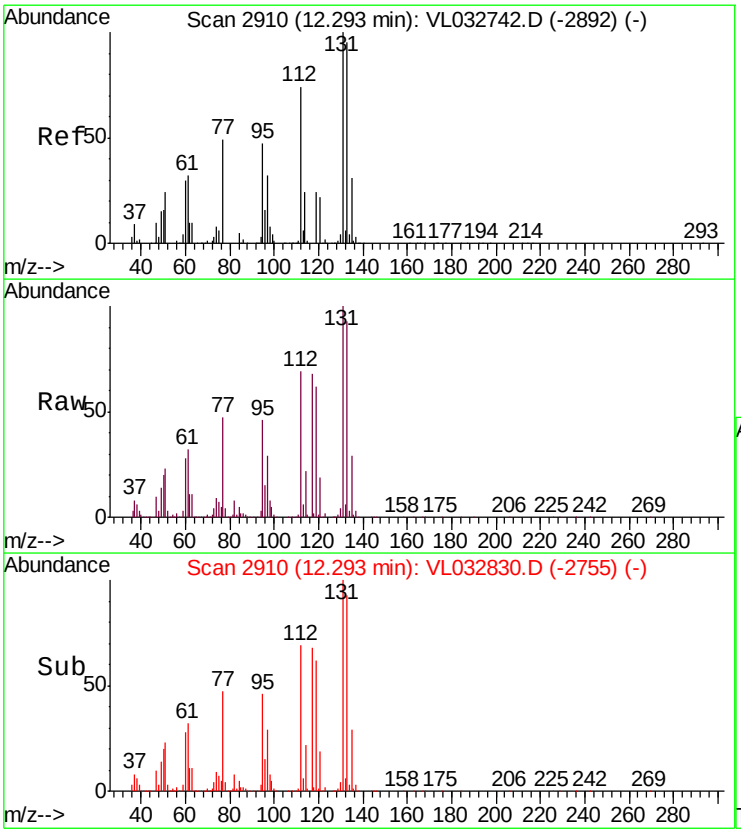
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 4666002

Ion	Ratio	Lower	Upper
117	100		
82	51.0	51.0	76.6#
119	25.2	28.0	42.0#

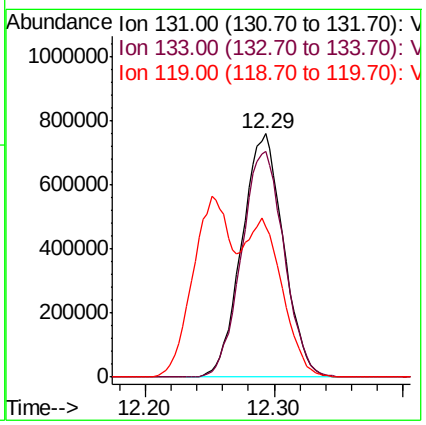


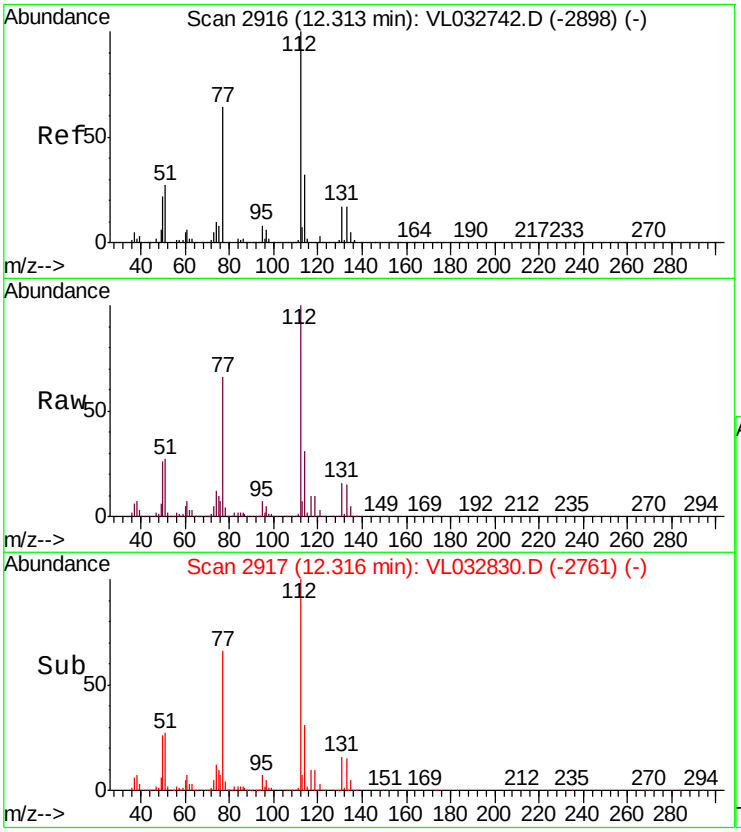


#56
1,1,1,2-Tetrachloroethane
Concen: 7.832 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion:131 Resp: 1704574

Ion	Ratio	Lower	Upper
131	100		
133	95.1	75.8	113.6
119	56.2	45.2	67.8



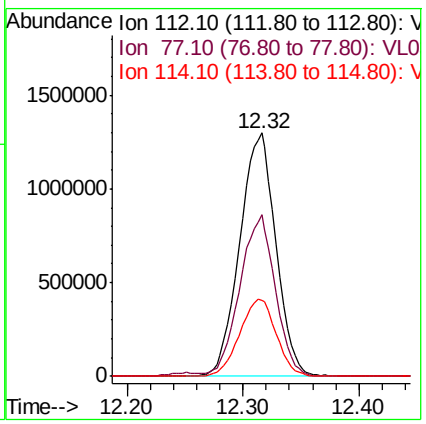


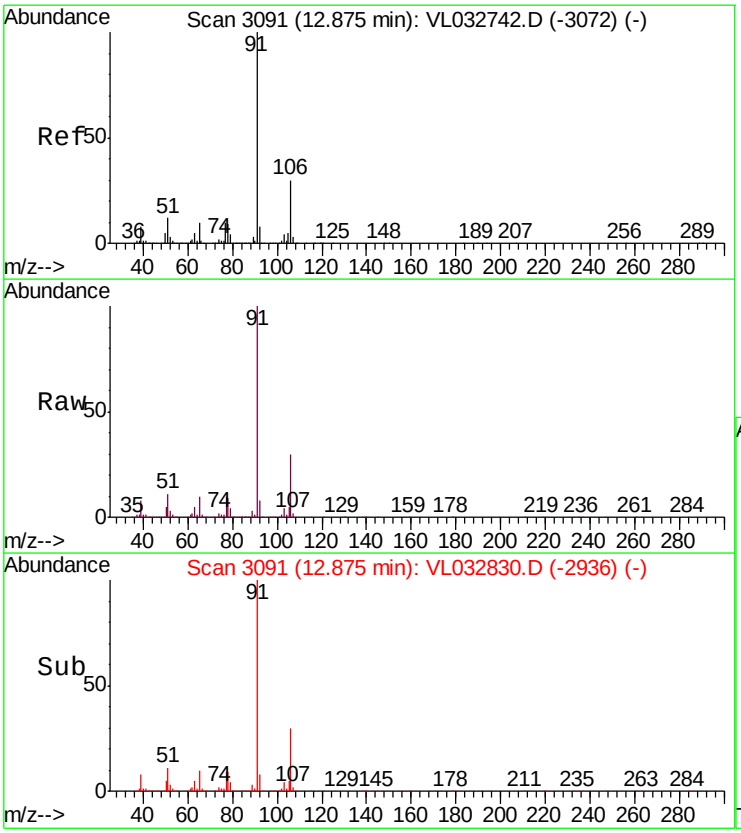
#57
Chlorobenzene
Concen: 7.879 ppbv
RT: 12.32 min Scan# 2917
Delta R.T. 0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:112 Resp: 2814353

Ion	Ratio	Lower	Upper
112	100		
77	66.2	52.3	78.5
114	30.9	28.4	34.8

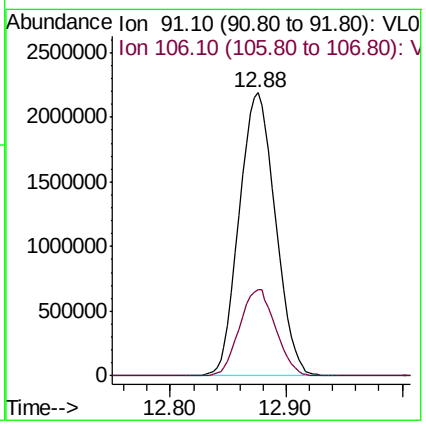


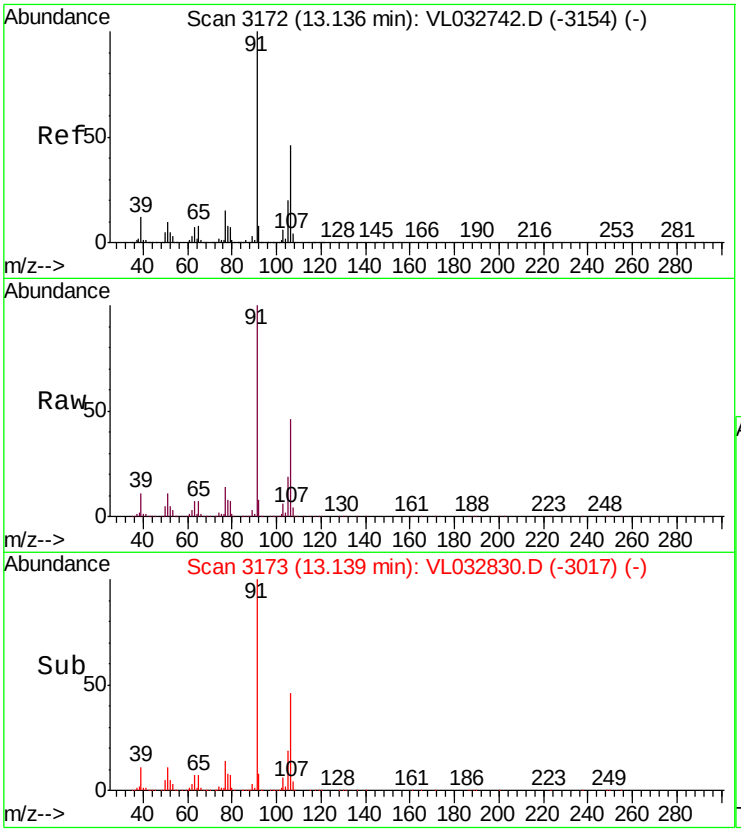


#58
Ethyl Benzene
Concen: 8.489 ppbv
RT: 12.88 min Scan# 3091
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 91 Resp: 4766706

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.6	35.4



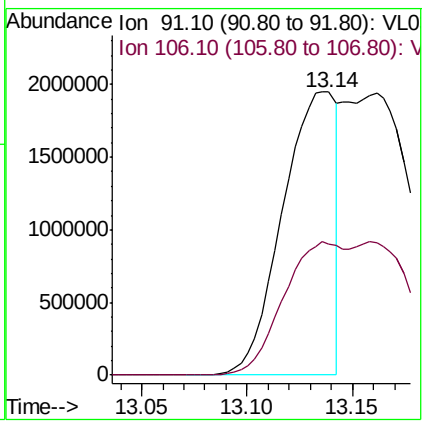


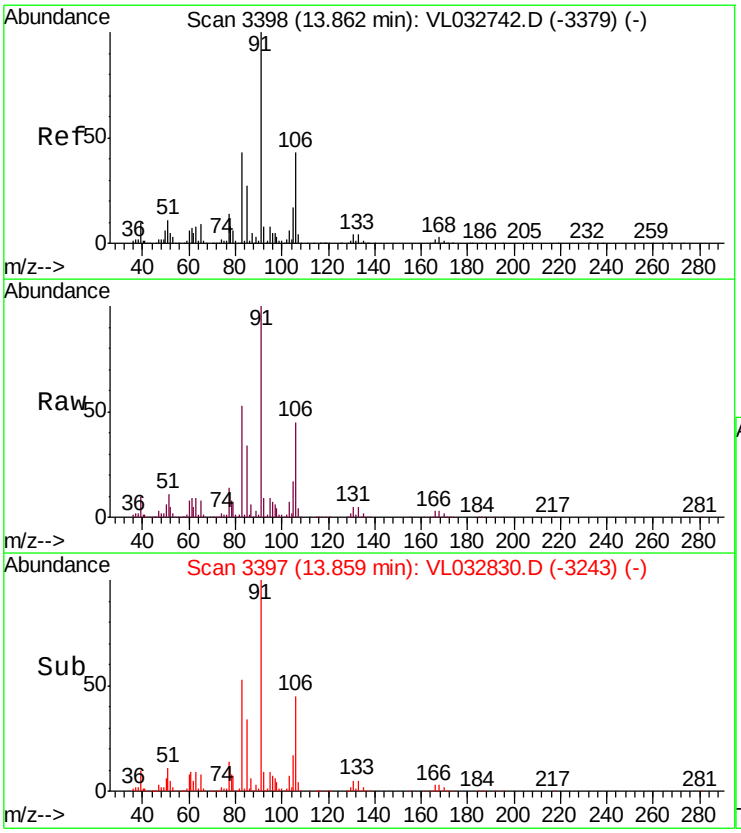
#59
m/p-Xylene
Concen: 6.863 ppbv
RT: 13.14 min Scan# 3173
Delta R.T. 0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 3430668

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#

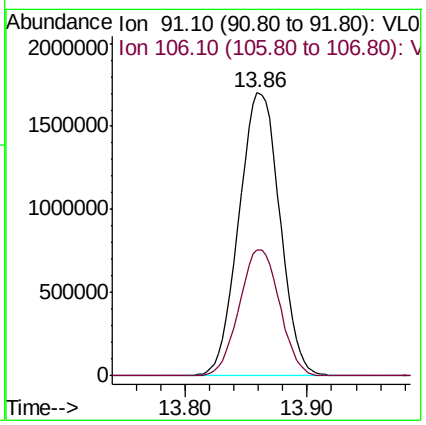


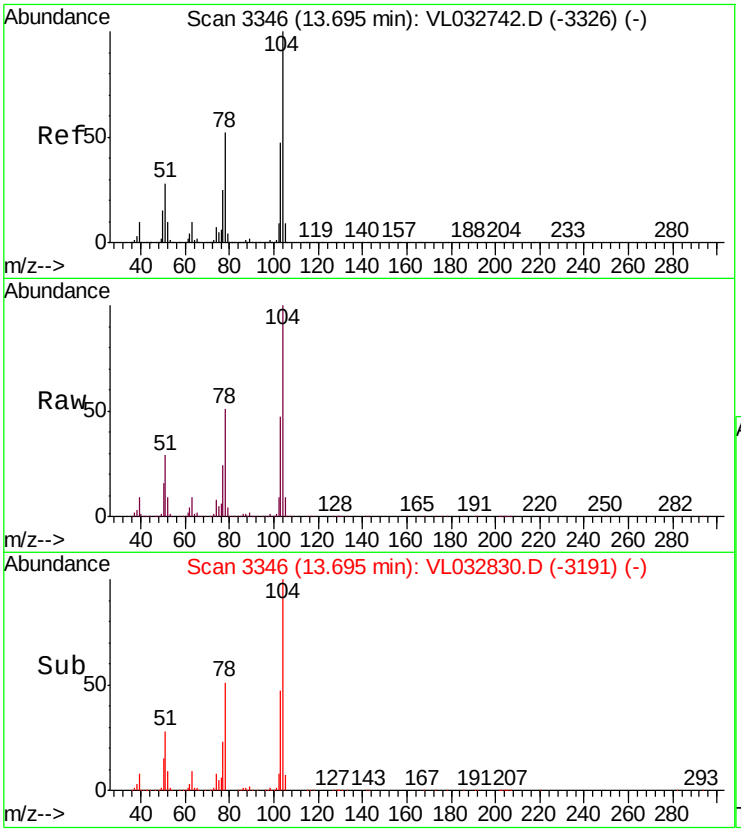


#60
o-Xylene
Concen: 7.852 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 91 Resp: 3946518

Ion	Ratio	Lower	Upper
91	100		
106	44.1	21.9	65.7



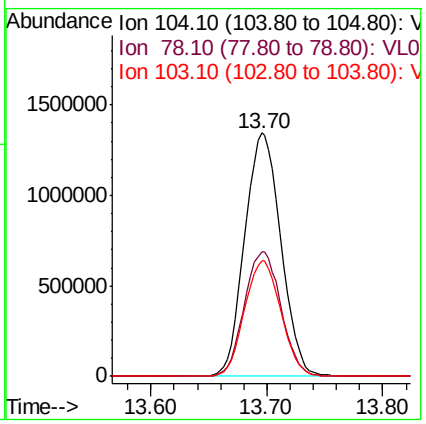


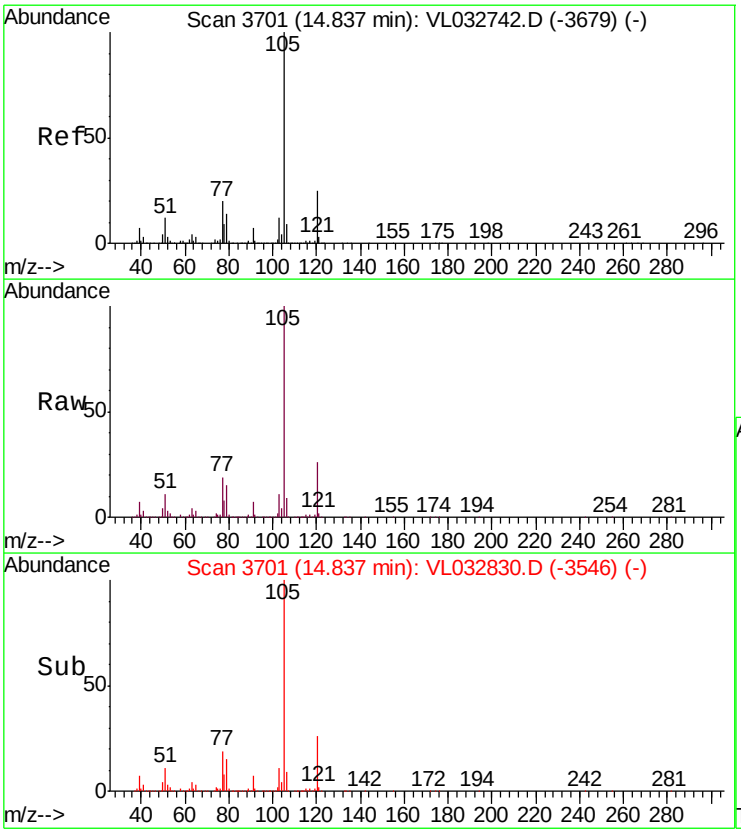
#61
Styrene
Concen: 8.939 ppbv
RT: 13.70 min Scan# 3346
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 2924960

Ion	Ratio	Lower	Upper
104	100		
78	52.0	42.2	63.4
103	47.8	38.2	57.2

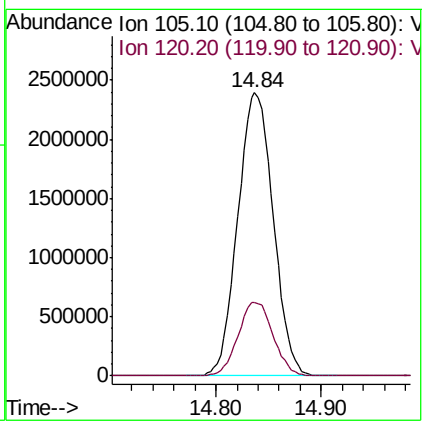


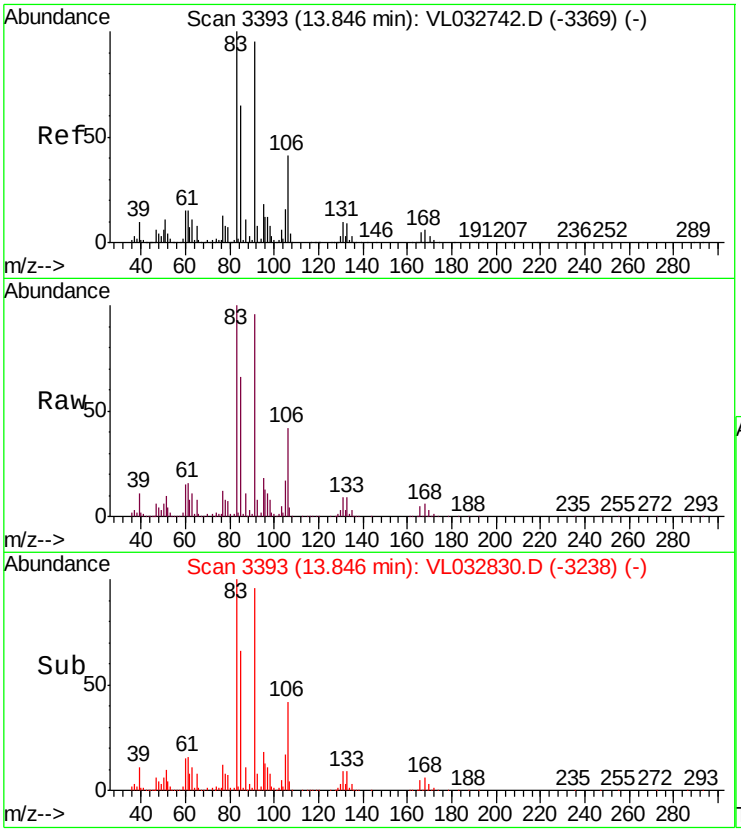


#62
Isopropylbenzene
Concen: 8.241 ppbv
RT: 14.84 min Scan# 3701
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion:105 Resp: 5599155

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.1	30.1



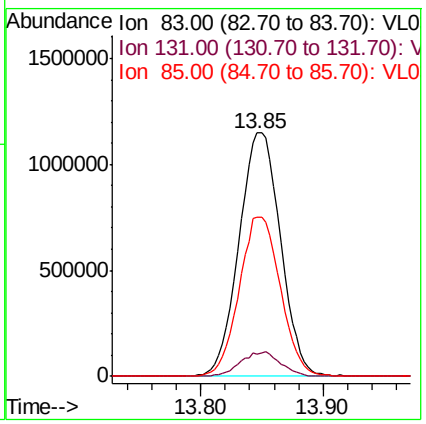


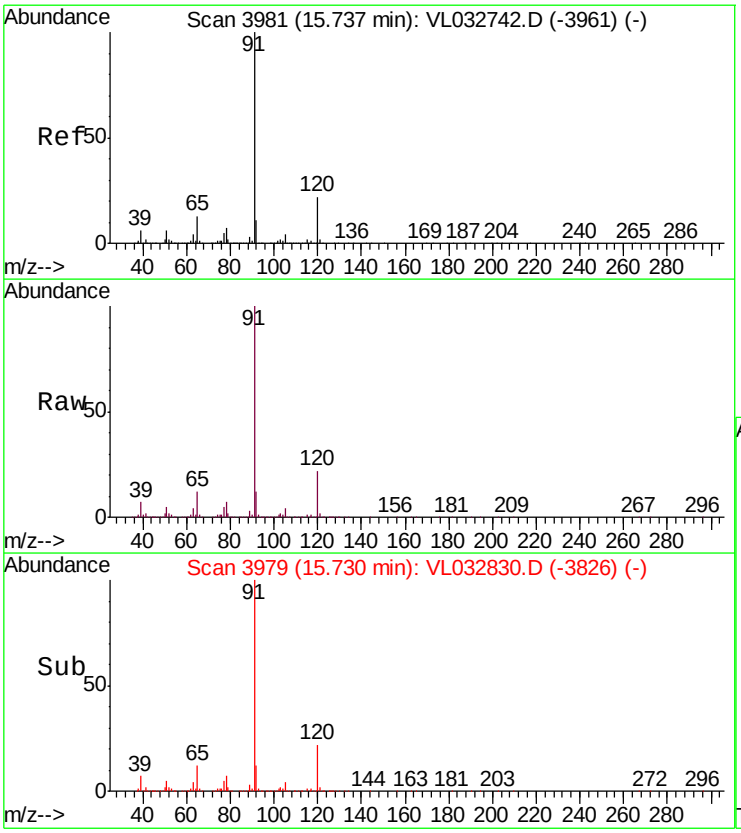
#63
1,1,2,2-Tetrachloroethane
Concen: 6.889 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2699135

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.7	14.1
85	65.2	32.5	97.4

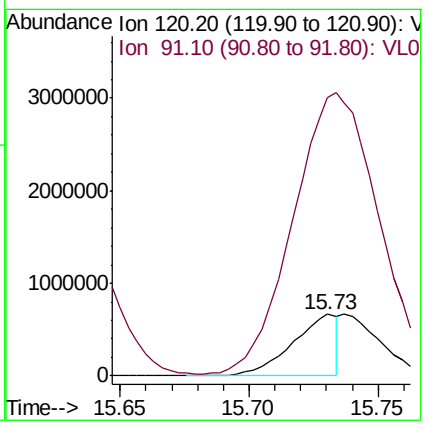


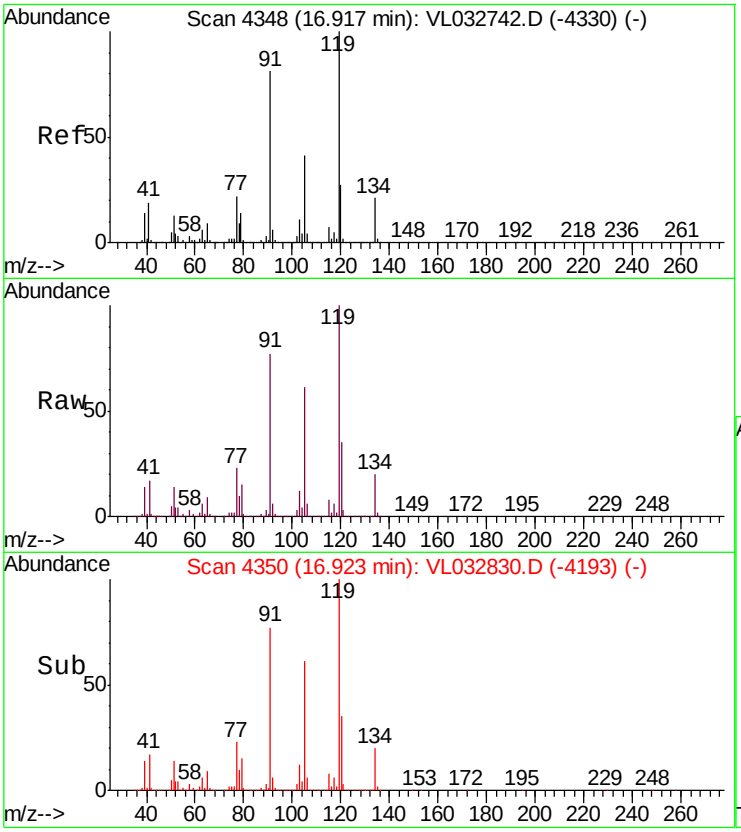


#64
n-propylbenzene
Concen: 4.513 ppbv
RT: 15.73 min Scan# 3979
Delta R.T. -0.01 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion:120 Resp: 806513

Ion	Ratio	Lower	Upper
120	100		
91	543.9	381.7	572.5



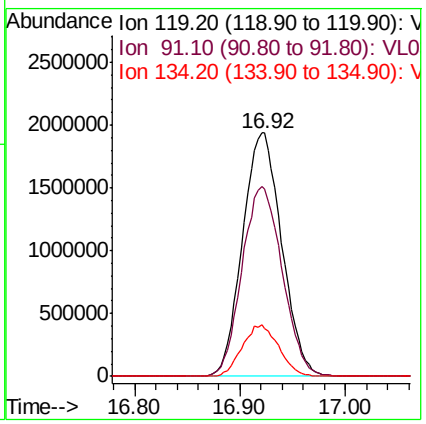


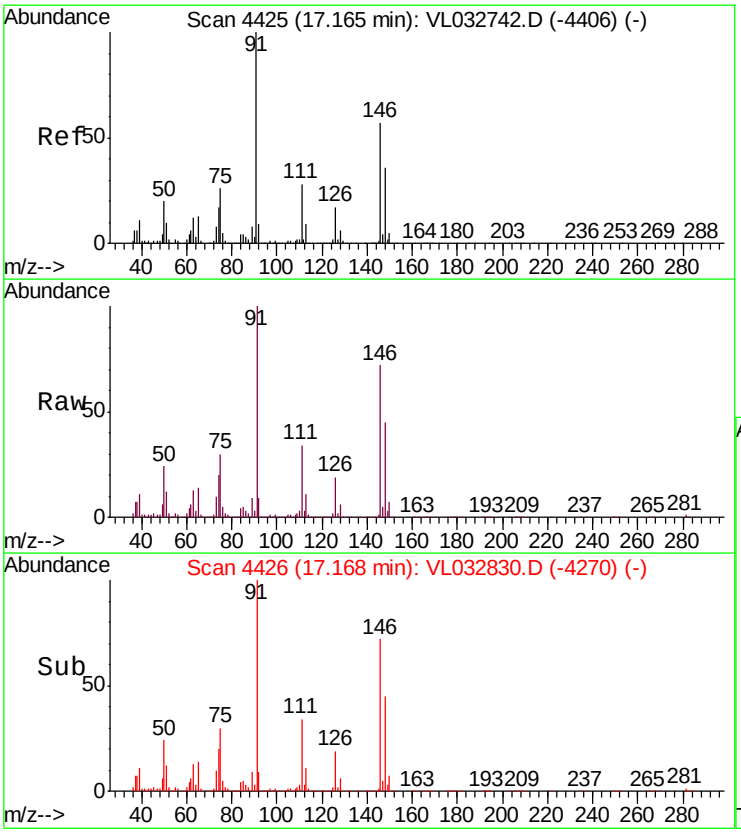
#65
tert-Butylbenzene
Concen: 8.212 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. 0.01 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 5001157

Ion	Ratio	Lower	Upper
119	100		
91	80.1	65.6	98.4
134	19.8	15.9	23.9

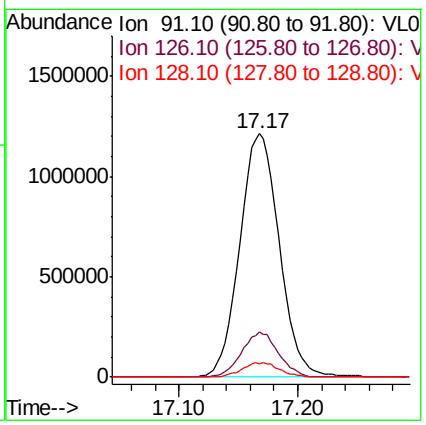


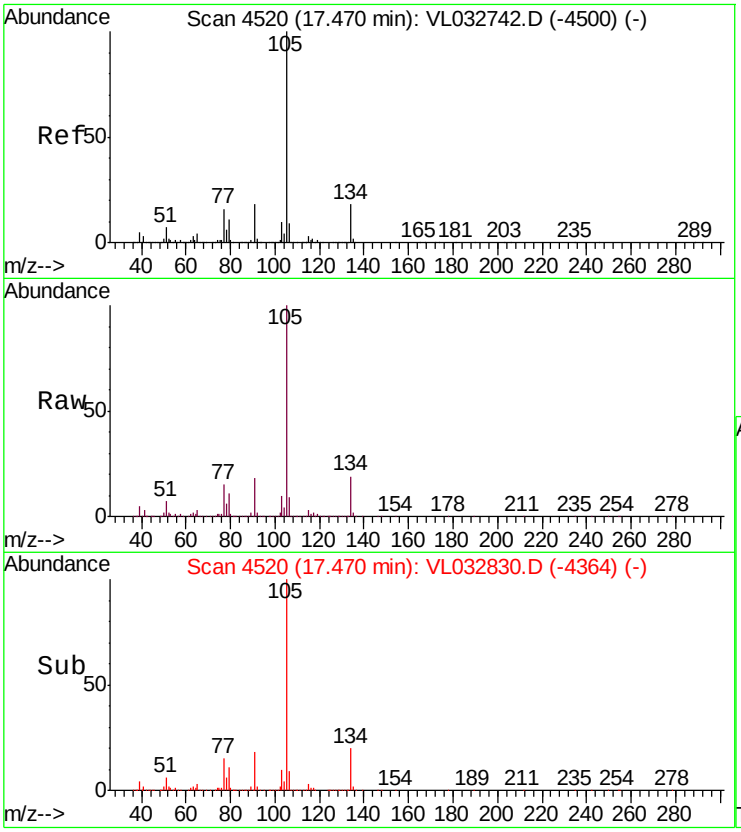


#66
Benzyl Chloride
Concen: 8.268 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. 0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 91 Resp: 2783823

Ion	Ratio	Lower	Upper
91	100		
126	17.5	14.2	21.2
128	5.7	4.5	6.7



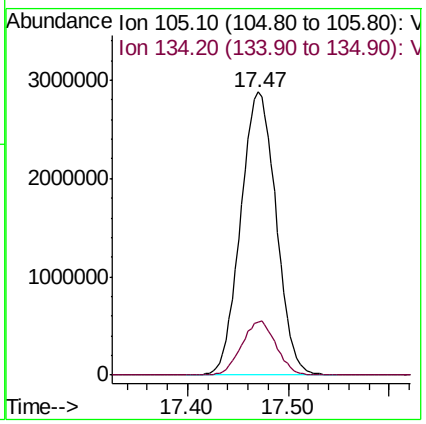


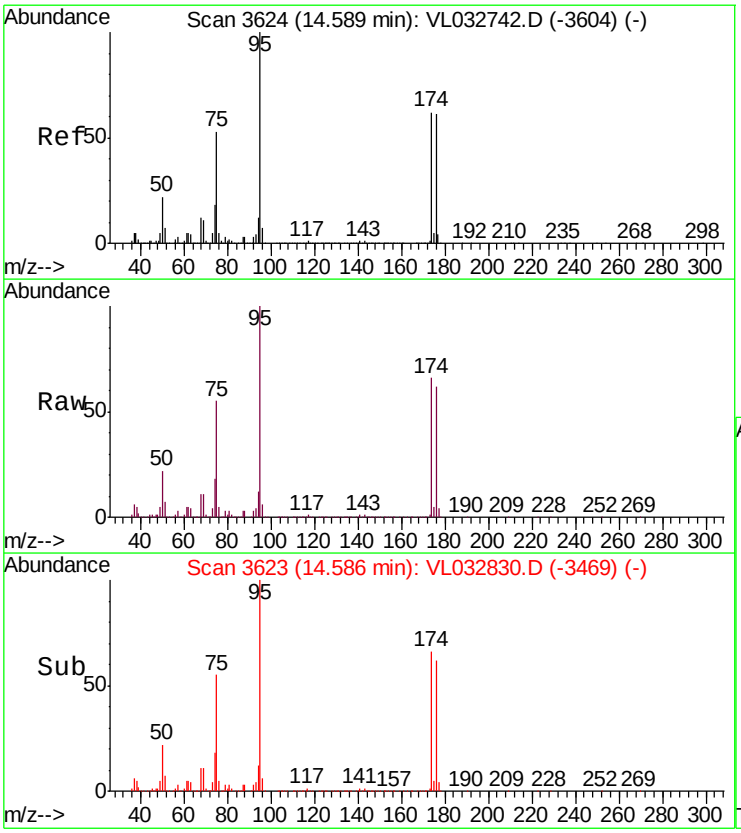
#67
sec-Butylbenzene
Concen: 7.964 ppbv
RT: 17.47 min Scan# 4520
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 6990258

Ion	Ratio	Lower	Upper
105	100		
134	18.5	14.6	21.8

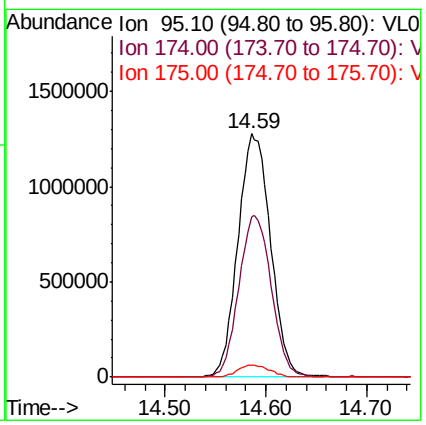


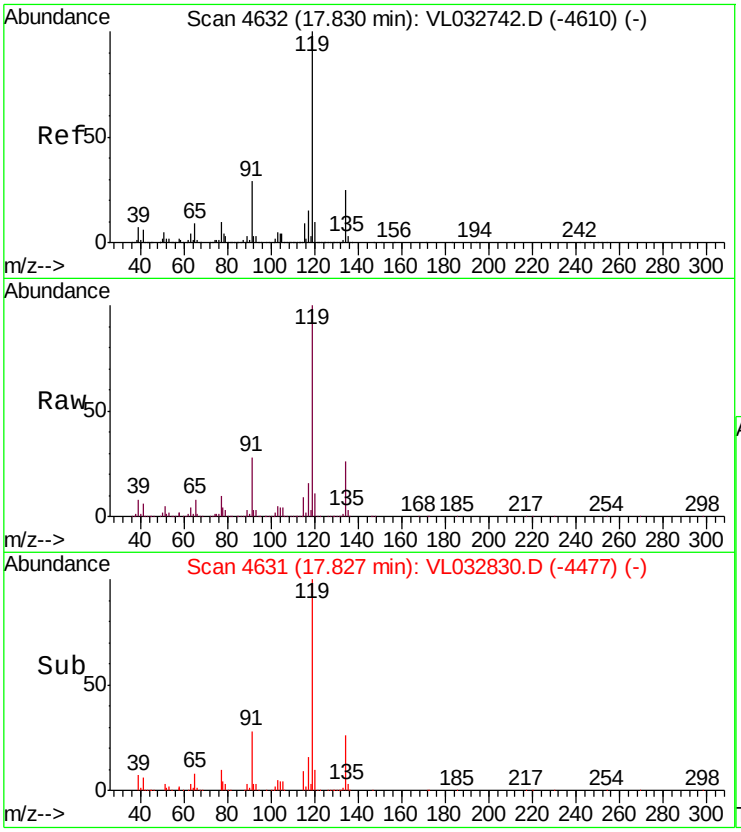


#68
1-Bromo-4-Fluorobenzene
Concen: 8.210 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 95 Resp: 2865319

Ion	Ratio	Lower	Upper
95	100		
174	66.0	50.7	76.1
175	4.9	3.8	5.6



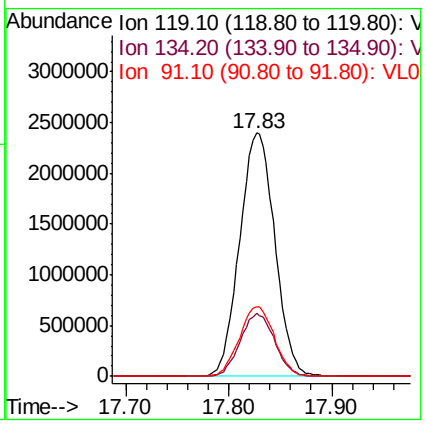


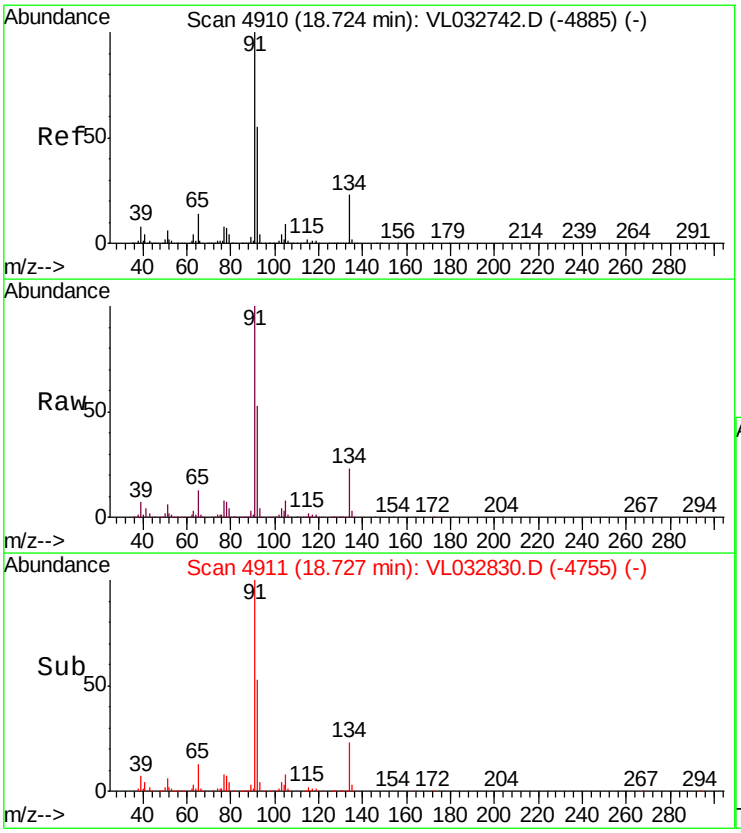
#69
p-Isopropyltoluene
Concen: 8.136 ppbv
RT: 17.83 min Scan# 4631
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 5677827

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.2	30.4
91	28.7	23.5	35.3

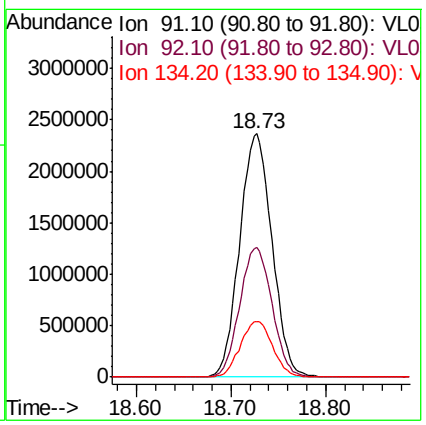


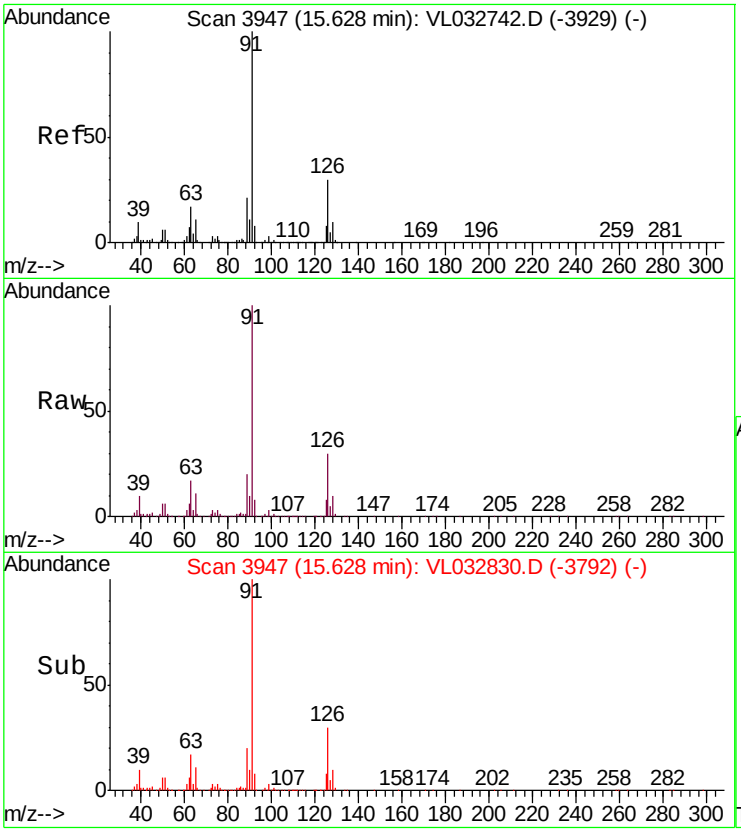


#70
n-Butylbenzene
Concen: 7.924 ppbv
RT: 18.73 min Scan# 4911
Delta R.T. 0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion: 91 Resp: 5615285

Ion	Ratio	Lower	Upper
91	100		
92	53.3	42.9	64.3
134	22.8	17.8	26.8



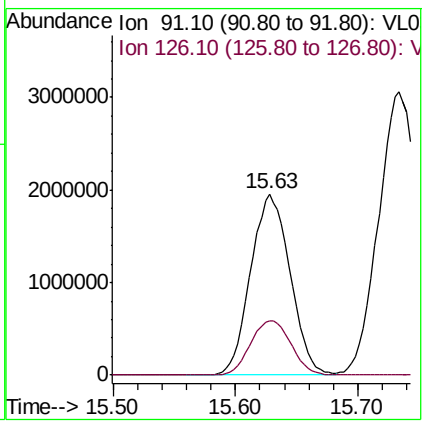


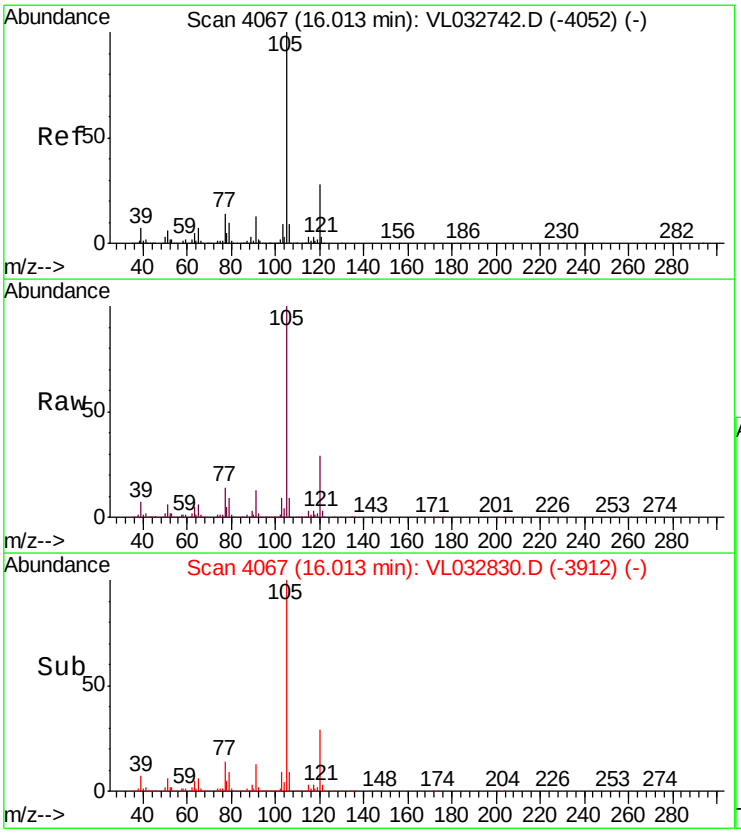
#71
2-Chlorotoluene
Concen: 8.666 ppbv
RT: 15.63 min Scan# 3947
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 4390900

Ion	Ratio	Lower	Upper
91	100		
126	31.0	12.1	48.5

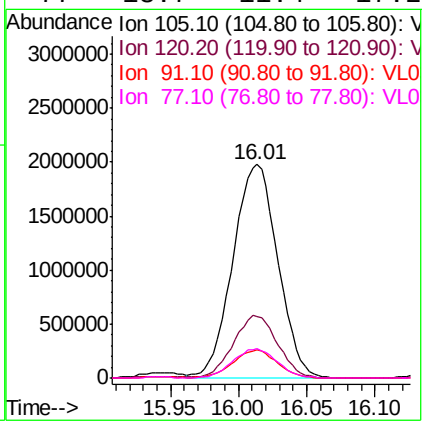


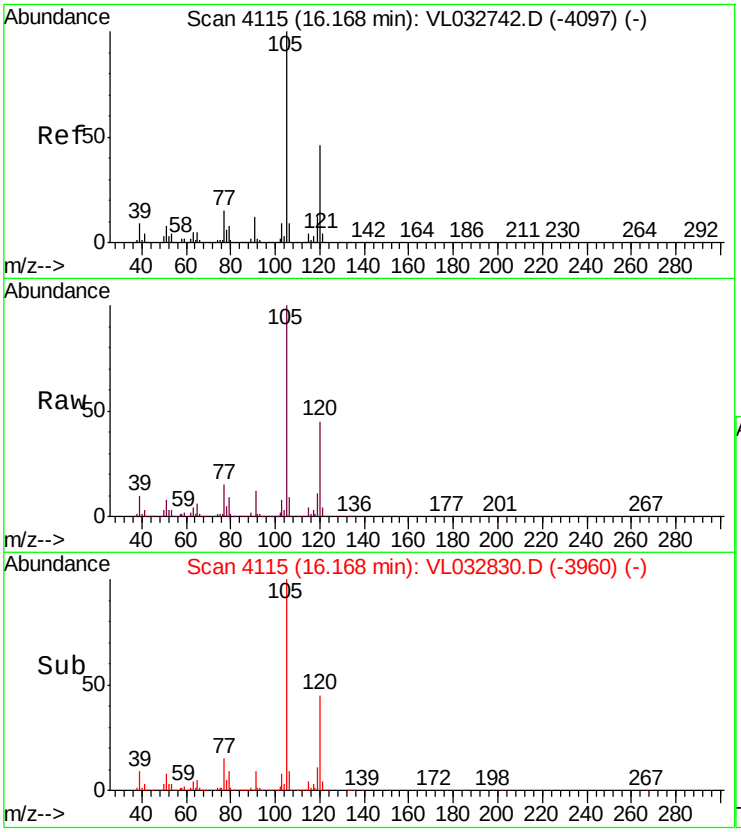


#72
4-Ethyltoluene
Concen: 8.179 ppbv
RT: 16.01 min Scan# 4067
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion:105 Resp: 4506309

Ion	Ratio	Lower	Upper
105	100		
120	28.9	22.9	34.3
91	13.0	10.6	15.8
77	13.7	11.4	17.2



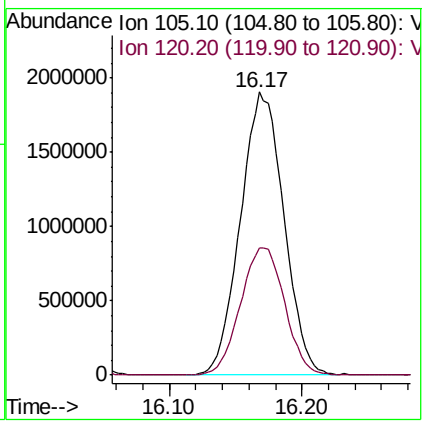


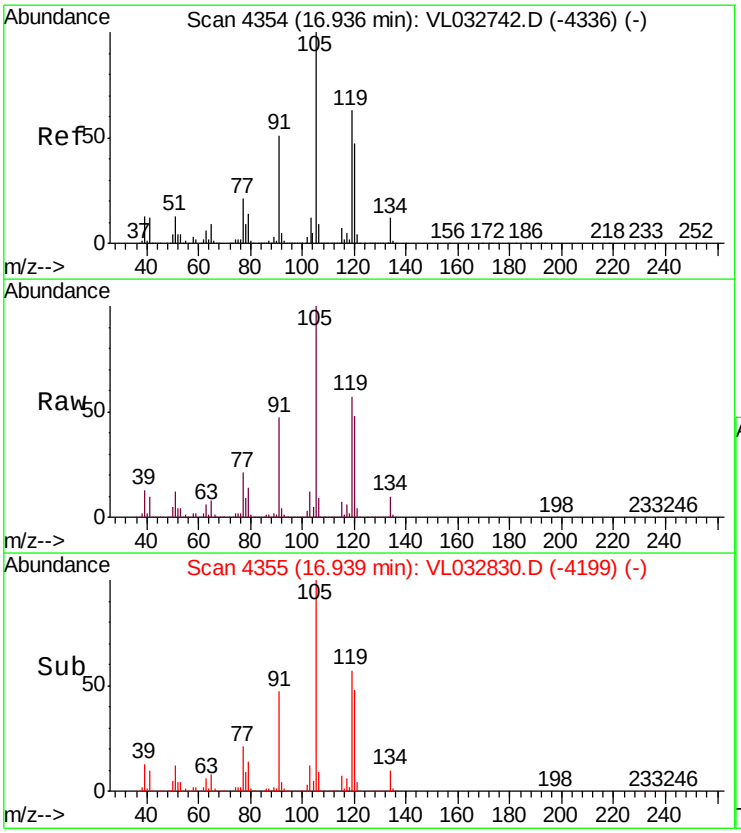
#73
1,3,5-Trimethylbenzene
Concen: 8.054 ppbv
RT: 16.17 min Scan# 4115
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 4338220

Ion	Ratio	Lower	Upper
105	100		
120	44.9	36.6	55.0

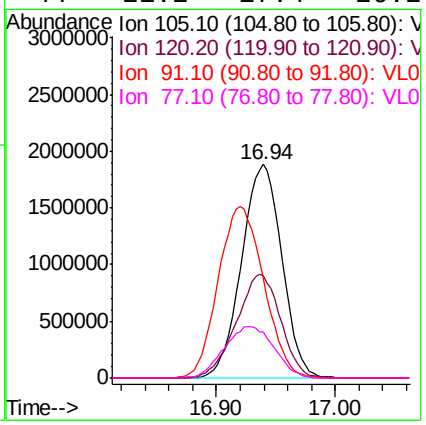


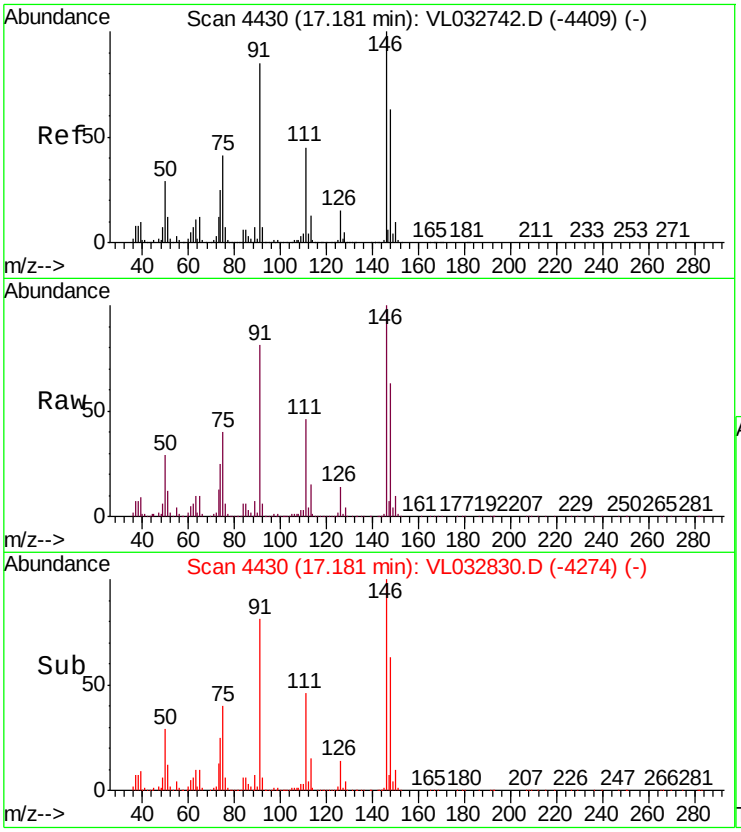


#74
1,2,4-Trimethylbenzene
Concen: 7.661 ppbv
RT: 16.94 min Scan# 4355
Delta R.T. 0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion:105 Resp: 4415776

Ion	Ratio	Lower	Upper
105	100		
120	47.7	37.6	56.4
91	46.3	42.5	63.7
77	21.2	17.4	26.2



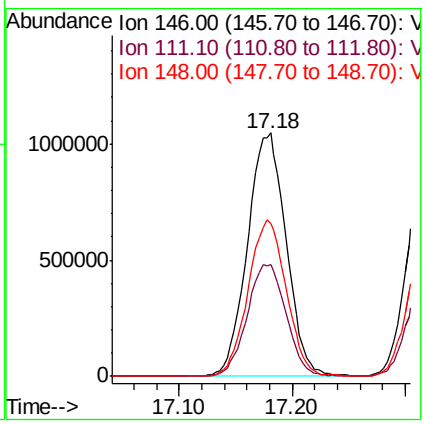


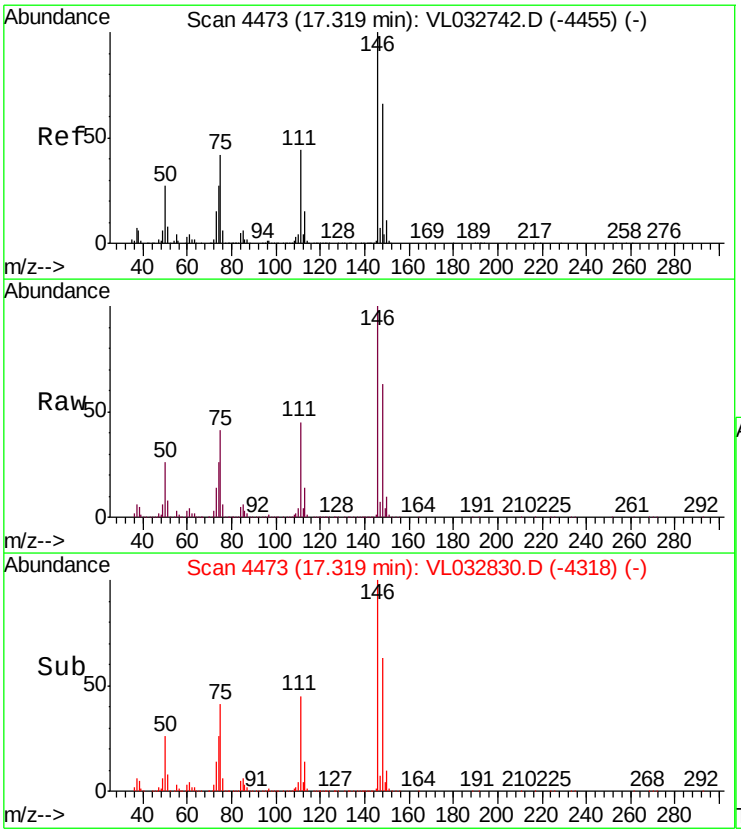
#75
1,3-Dichlorobenzene
Concen: 7.518 ppbv
RT: 17.18 min Scan# 4430
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 2485753

Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.5	70.6
148	63.7	31.8	95.3

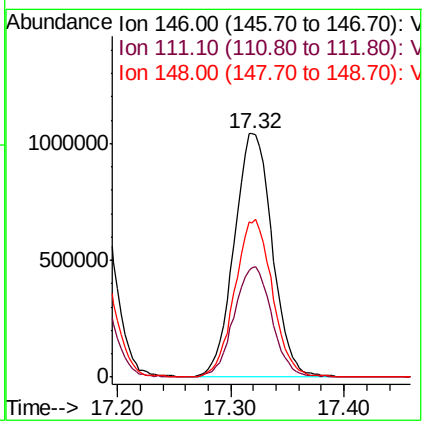


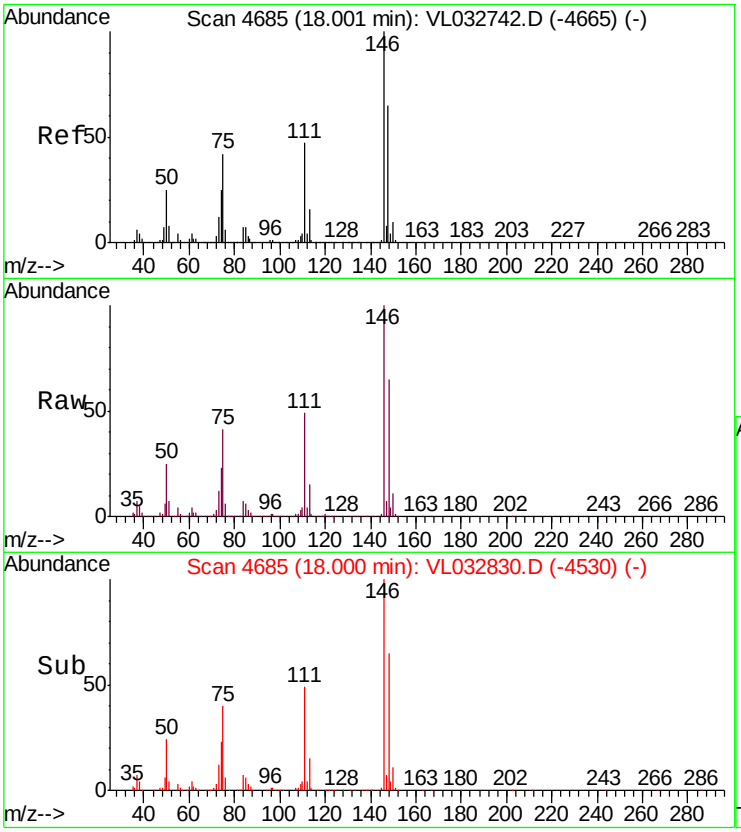


#76
1,4-Dichlorobenzene
Concen: 7.860 ppbv
RT: 17.32 min Scan# 4473
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion:146 Resp: 2427598

Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.5	67.5
148	64.2	32.5	97.5



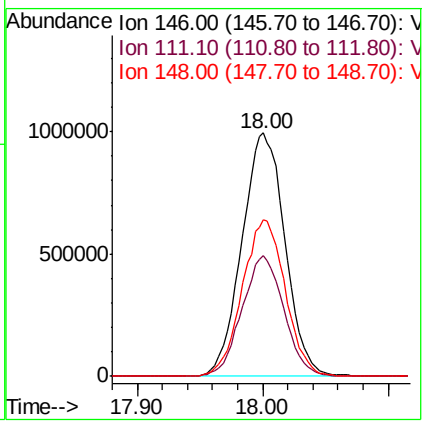


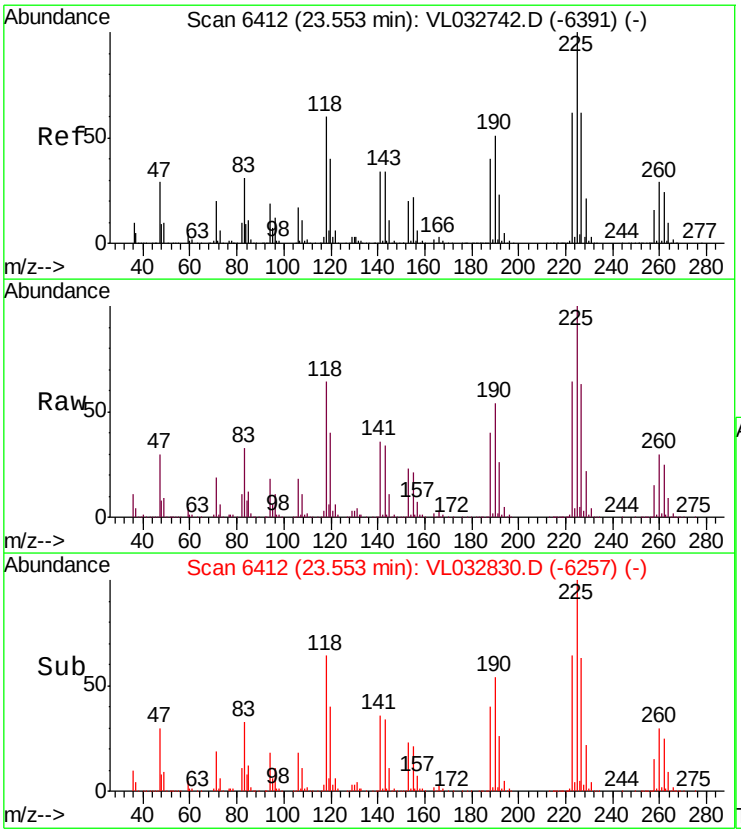
#77
1,2-Dichlorobenzene
Concen: 7.753 ppbv
RT: 18.00 min Scan# 4685
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 2371457

Ion	Ratio	Lower	Upper
146	100		
111	48.4	24.4	73.2
148	64.3	32.2	96.6

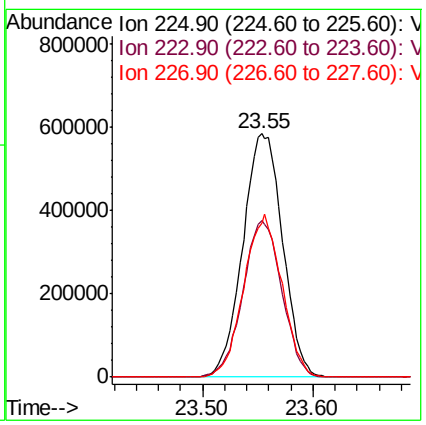


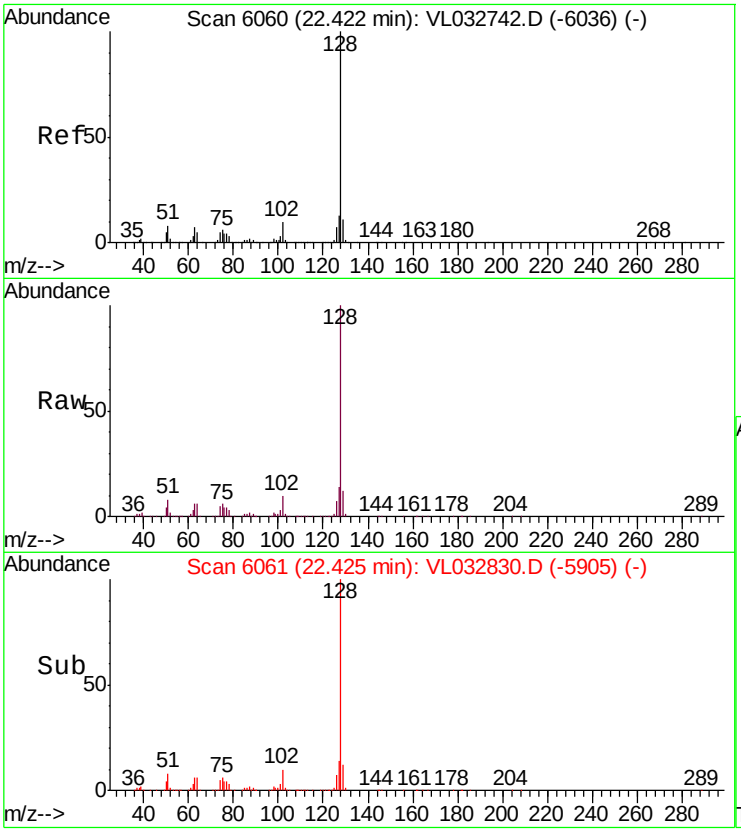


#78
Hexachloro-1,3-Butadiene
Concen: 8.826 ppbv
RT: 23.55 min Scan# 6412
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion:225 Resp: 1457123

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.3	75.5
227	64.0	50.2	75.4



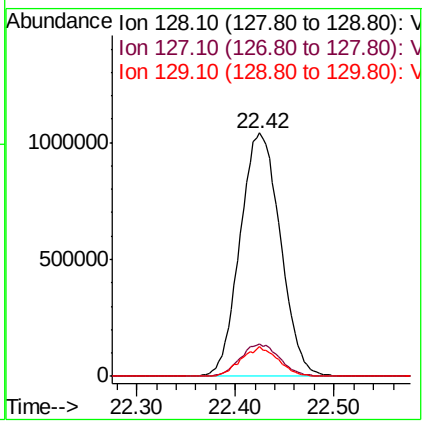


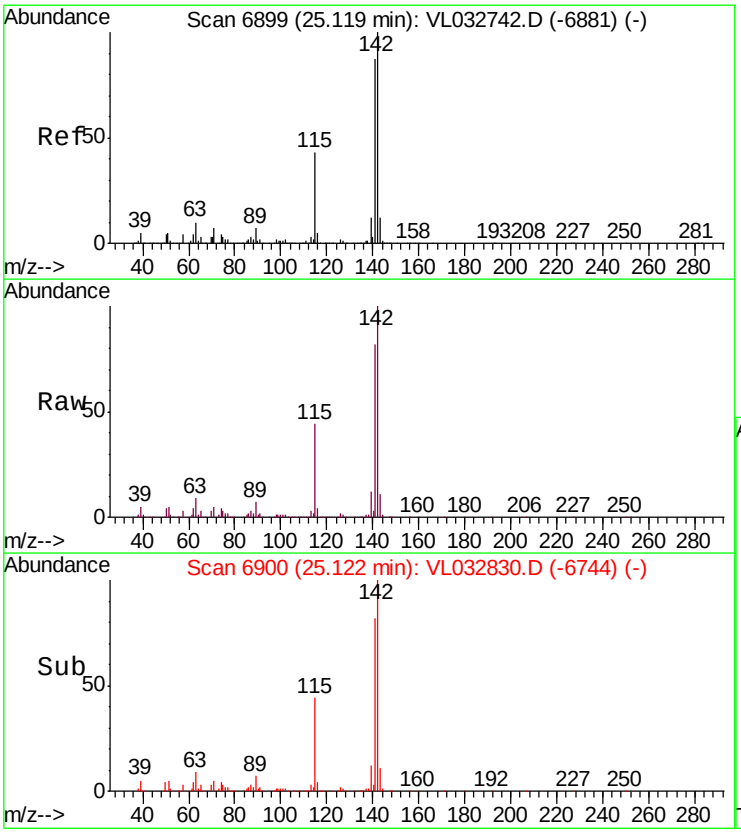
#79
Naphthalene
Concen: 7.757 ppbv
RT: 22.42 min Scan# 6061
Delta R.T. 0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2937396

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.1	15.1
129	12.3	8.9	13.3

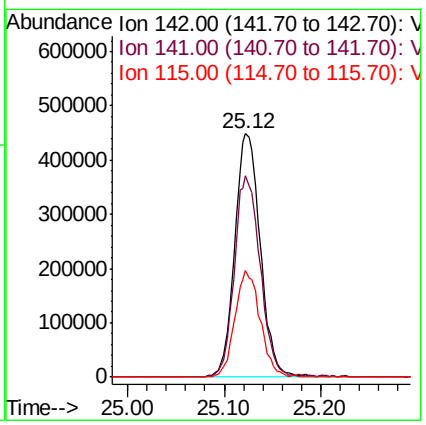


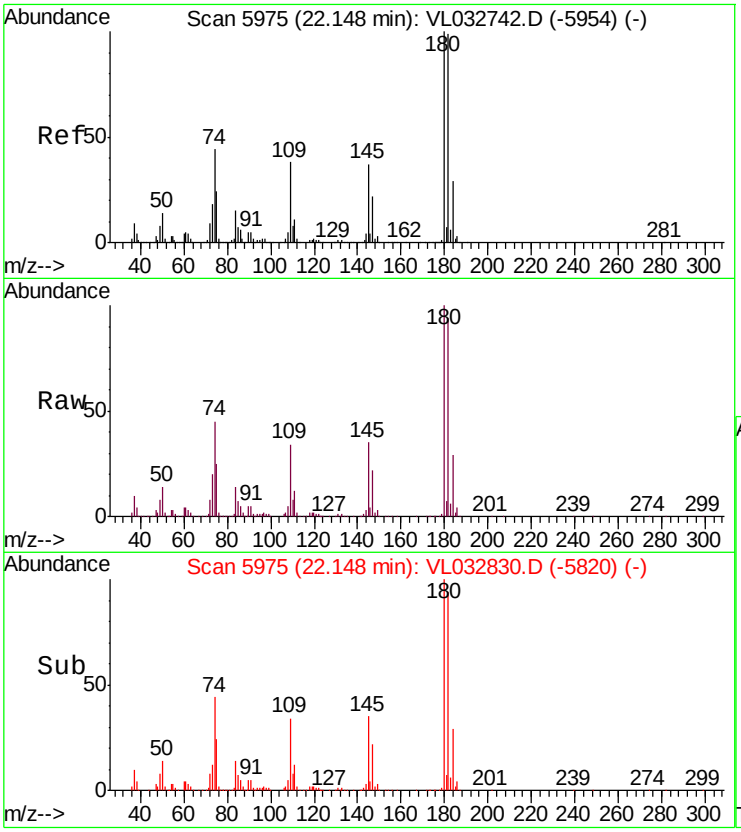


#80
Naphthalene,2-methyl-
Concen: 8.689 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Tgt Ion:142 Resp: 824027

Ion	Ratio	Lower	Upper
142	100		
141	84.2	68.7	103.1
115	43.3	35.5	53.3





#81
1,2,4-Trichlorobenzene
Concen: 7.967 ppbv
RT: 22.15 min Scan# 5975
Delta R.T. -0.00 min
Lab File: VL032830.D
Acq: 29 Nov 2018 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1514962

Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.3	115.9
184	30.0	24.2	36.4