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

Quantitation Report (Not Reviewed)

Data File : VL032771.D
Acq On : 14 Nov 2018 23:02
Operator : SY/AP
Sample : VL1114ABS03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Quant Time: Nov 15 05:00:20 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	1587079	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3969783	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	4605991	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2845672	8.26	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 82.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1985795	8.704	ppbv	99
3) Chlorodifluoromethane	3.02	51	1156105	9.188	ppbv	98
4) Chloromethane	3.18	50	627629	8.996	ppbv	100
5) Vinyl Chloride	3.30	62	645589	8.733	ppbv	95
6) Bromomethane	3.52	94	411920	9.108	ppbv	94
7) Chloroethane	3.61	64	245254	9.204	ppbv	98
8) Dichlorotetrafluoroethane	3.23	85	1555546	8.653	ppbv	99
9) Propene	3.04	41	494965	9.830	ppbv	100
10) Heptane	8.25	43	1910310	9.937	ppbv	98
11) Trichlorofluoromethane	4.01	101	2612276	12.150	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1491220	8.492	ppbv	100
13) Ethanol	3.66	45	116773	7.080	ppbv	98
14) Bromoethene	3.80	108	541362	9.292	ppbv	100
15) Acetone	3.91	43	1121776	7.740	ppbv	100
16) 1,3-Butadiene	3.37	39	504118	8.982	ppbv	87
17) tert-Butyl alcohol	4.37	59	453436	9.975	ppbv	99
18) 1,1-Dichloroethene	4.36	96	833758	9.655	ppbv	99
19) Isopropyl Alcohol	4.03	45	1233354	12.774	ppbv	100
20) Methylene Chloride	4.42	84	702568	9.363	ppbv	97
21) Allyl Chloride	4.48	41	1332014	10.936	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	758027	8.990	ppbv	99
23) Vinyl Acetate	5.16	43	2680818	10.147	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1969693	9.378	ppbv	100
25) Ethyl Acetate	5.78	43	3194315	9.456	ppbv	100
26) Hexane	5.79	57	1469331	9.771	ppbv	99
27) Carbon Disulfide	4.63	76	1950277	10.228	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2441486	10.181	ppbv	99
29) Chloroform	5.86	83	2403016	8.966	ppbv	99
30) Cyclohexane	7.25	84	1310980	9.968	ppbv	99
31) cis-1,2-Dichloroethene	5.65	61	1530005	10.120	ppbv	98
32) 1,1,1-Trichloroethane	6.63	97	2581344	8.787	ppbv	100
34) 2-Butanone	5.34	43	2071703	10.062	ppbv	100
35) Carbon Tetrachloride	7.14	117	2789018	8.739	ppbv	98
36) Benzene	7.01	78	3134393	9.915	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1989221	9.348	ppbv	100
38) Trichloroethene	7.97	130	1237175	9.671	ppbv	99
39) 1,2-Dichloropropane	7.74	63	1186152	9.848	ppbv	98
40) 1,4-Dioxane	7.97	88	425467	9.890	ppbv	92
41) Tetrahydrofuran	6.16	42	1241469	10.512	ppbv	99
42) Bromodichloromethane	7.92	83	2731322	9.468	ppbv	97
43) Methyl Methacrylate	8.15	69	1256258	10.645	ppbv	99

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

Quantitation Report (Not Reviewed)

Data File : VL032771.D
Acq On : 14 Nov 2018 23:02
Operator : SY/AP
Sample : VL1114ABS03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Quant Time: Nov 15 05:00:20 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	5183464	9.812	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	1820083	11.493	ppbv		99
46) cis-1,3-Dichloropropene	8.84	75	2107854	11.017	ppbv		96
47) 1,1,2-Trichloroethane	9.62	97	1367945	9.605	ppbv		98
48) Dibromochloromethane	10.46	129	2284552	9.438	ppbv		99
49) Bromoform	13.21	173	1848215	9.245	ppbv		99
50) 4-Methyl-2-Pentanone	8.88	43	3220203	10.013	ppbv		100
51) 2-Hexanone	10.28	43	2260878	10.912	ppbv		100
52) Tetrachloroethene	11.38	164	1081132	9.831	ppbv		97
53) Toluene	9.96	91	3568833	10.822	ppbv		100
54) 1,2-Dibromoethane	10.77	107	1966145	9.766	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.29	131	1594617	7.423	ppbv		99
57) Chlorobenzene	12.31	112	2637628	7.481	ppbv		97
58) Ethyl Benzene	12.87	91	4742418	8.555	ppbv		98
59) m/p-Xylene	13.13	91	3789835	7.680	ppbv	#	31
60) o-Xylene	13.86	91	3814527	7.688	ppbv		100
61) Styrene	13.69	104	2864631	8.869	ppbv		100
62) Isopropylbenzene	14.83	105	5326222	7.942	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2560378	6.620	ppbv		100
64) n-propylbenzene	15.73	120	1332841	7.556	ppbv		98
65) tert-Butylbenzene	16.92	119	4568539	7.599	ppbv		100
66) Benzyl Chloride	17.16	91	2632097	7.919	ppbv		100
67) sec-Butylbenzene	17.46	105	6485912	7.486	ppbv		100
69) p-Isopropyltoluene	17.82	119	5356304	7.775	ppbv		100
70) n-Butylbenzene	18.72	91	5504640	7.869	ppbv		100
71) 2-Chlorotoluene	15.62	91	3960317	7.918	ppbv		99
72) 4-Ethyltoluene	16.01	105	4293755	7.895	ppbv		100
73) 1,3,5-Trimethylbenzene	16.16	105	4082067	7.677	ppbv		99
74) 1,2,4-Trimethylbenzene	16.93	105	4165748	7.321	ppbv		98
75) 1,3-Dichlorobenzene	17.17	146	2344376	7.183	ppbv		99
76) 1,4-Dichlorobenzene	17.32	146	2327505	7.634	ppbv		99
77) 1,2-Dichlorobenzene	18.00	146	2291881	7.590	ppbv		100
78) Hexachloro-1,3-Butadiene	23.55	225	1289540	7.913	ppbv		99
79) Naphthalene	22.42	128	3998874	10.698	ppbv		99
80) Naphthalene,2-methyl-	25.12	142	938896	10.029	ppbv		99
81) 1,2,4-Trichlorobenzene	22.15	180	1869060	9.957	ppbv		99

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

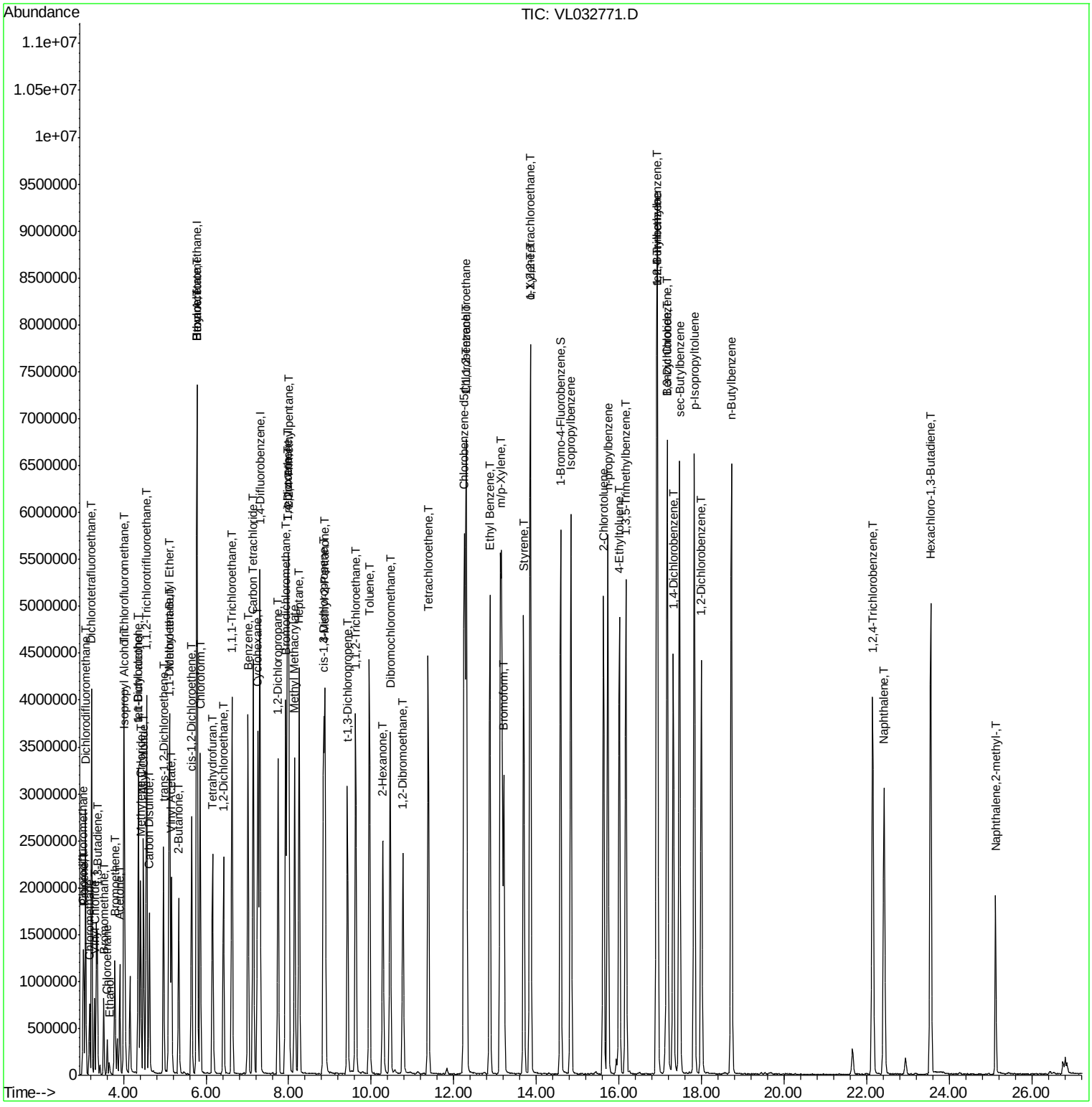
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111418\

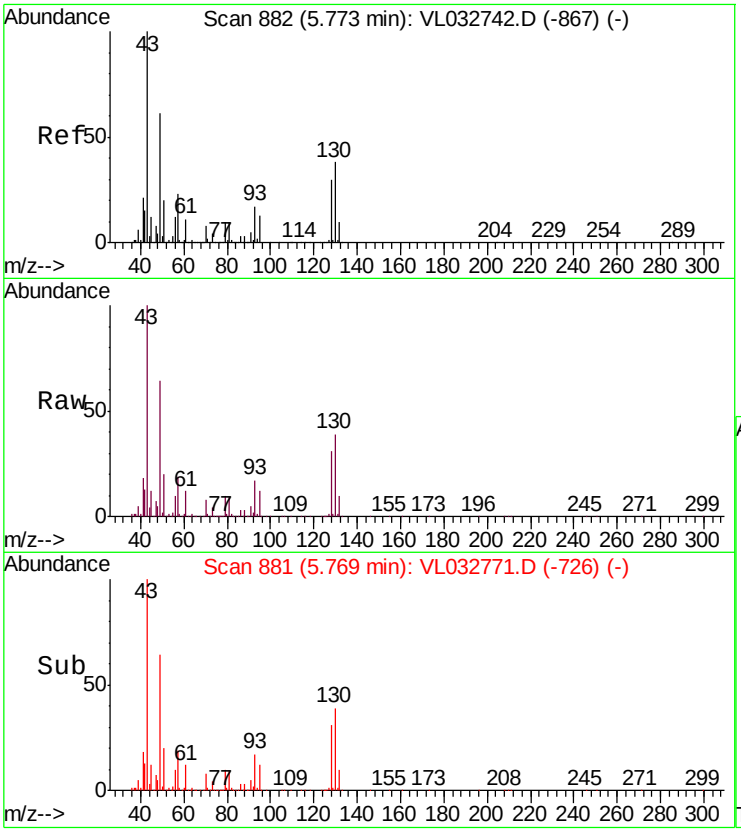
Quantitation Report (Not Reviewed)

Data File : VL032771.D
Acq On : 14 Nov 2018 23:02
Operator : SY/AP
Sample : VL1114ABS03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Quant Time: Nov 15 05:00:20 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



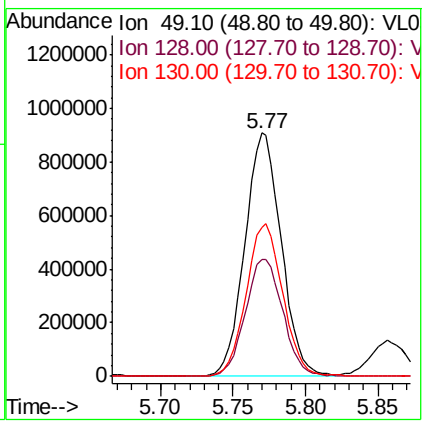


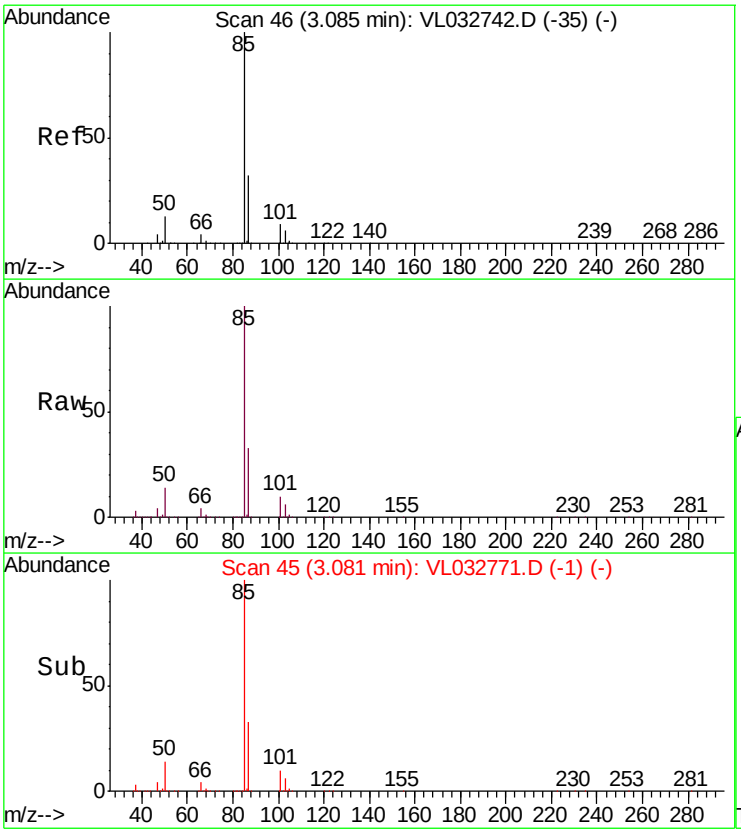
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS03

Tgt Ion: 49 Resp: 1587079

Ion	Ratio	Lower	Upper
49	100		
128	49.5	24.9	74.6
130	63.1	31.4	94.2

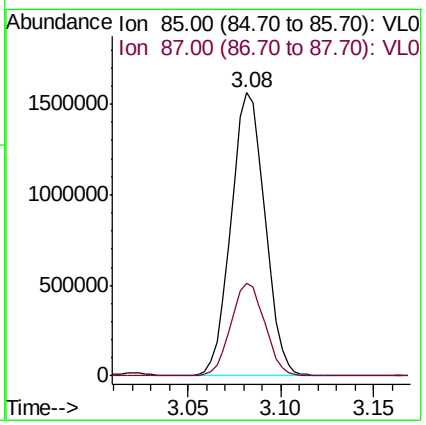


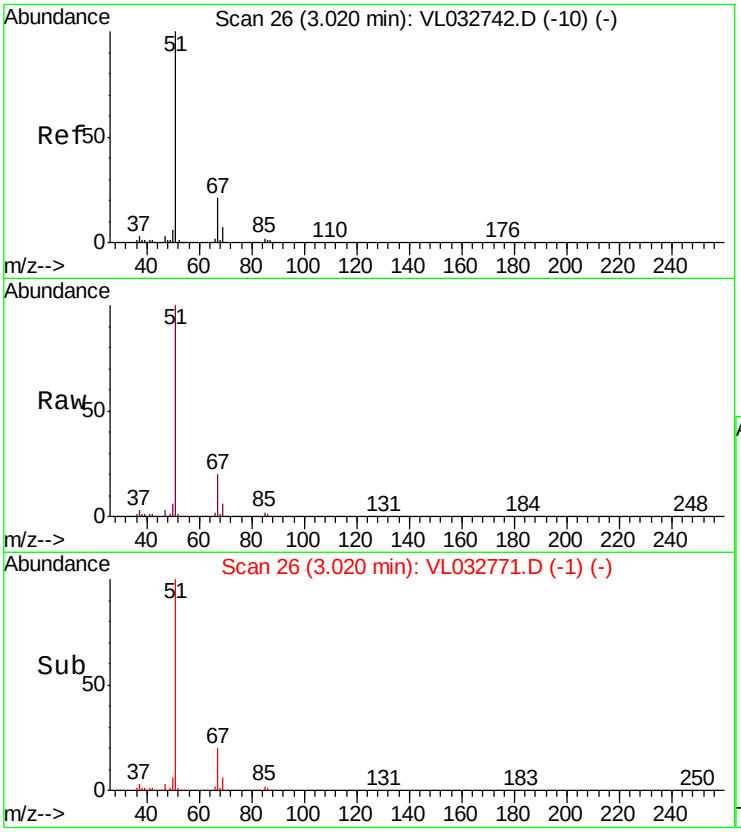


#2
Dichlorodifluoromethane
Concen: 8.704 ppbv
RT: 3.08 min Scan# 45
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 85 Resp: 1985795

Ion	Ratio	Lower	Upper
85	100		
87	32.8	26.0	39.0



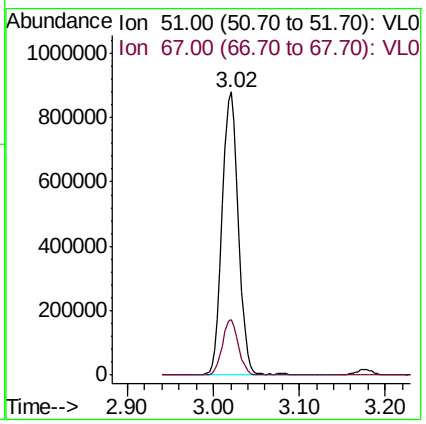


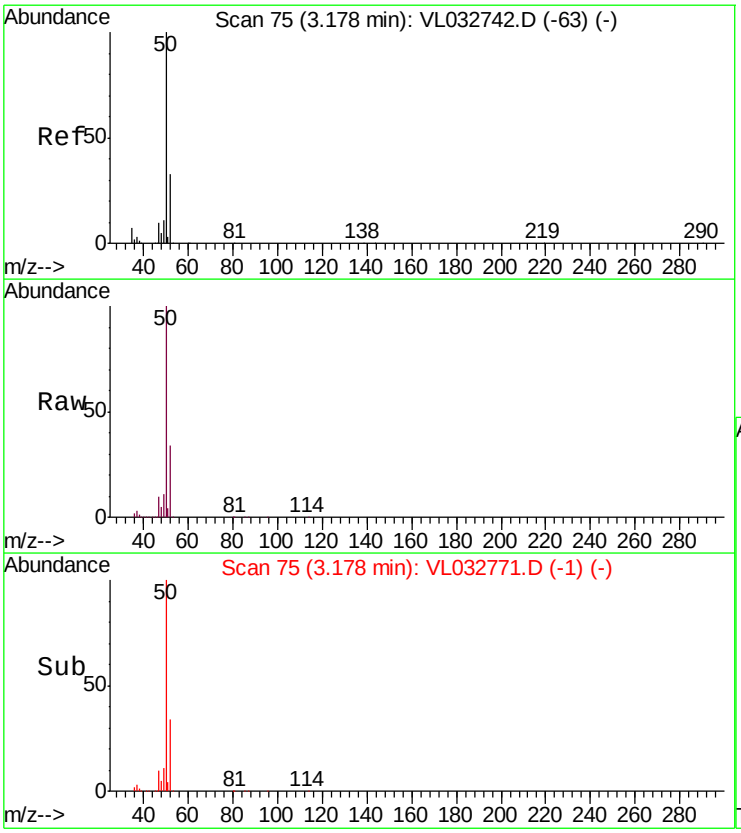
#3
Chlorodifluoromethane
Concen: 9.188 ppbv
RT: 3.02 min Scan# 26
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS03

Tgt Ion: 51 Resp: 1156105

Ion	Ratio	Lower	Upper
51	100		
67	19.2	16.1	24.1

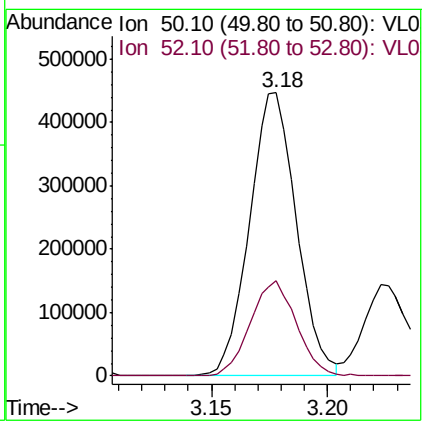


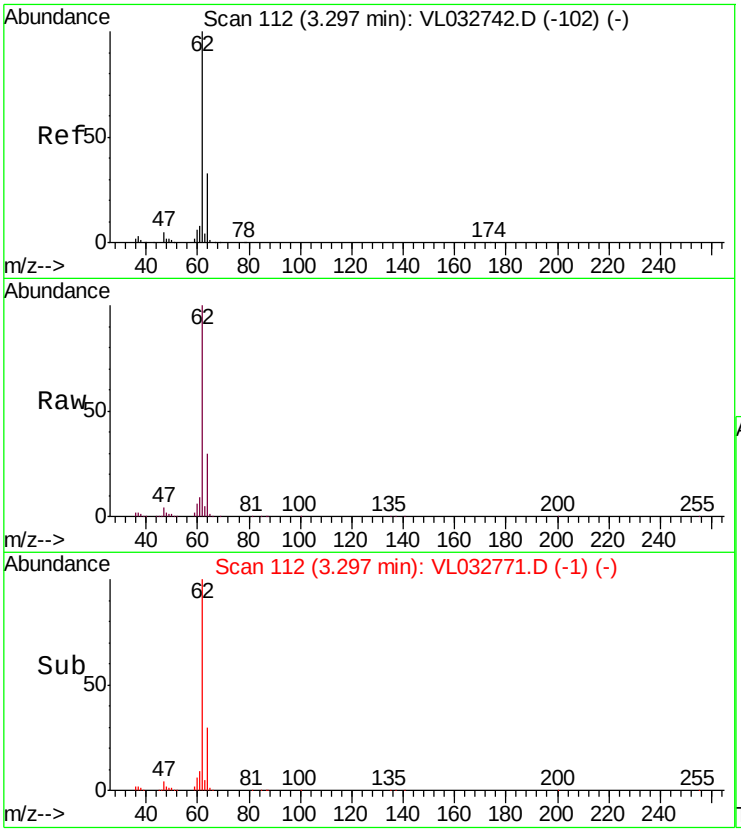


#4
Chloromethane
Concen: 8.996 ppbv
RT: 3.18 min Scan# 75
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 50 Resp: 627629

Ion	Ratio	Lower	Upper
50	100		
52	33.6	26.6	40.0



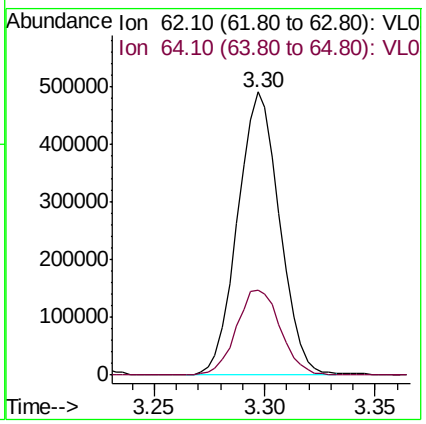


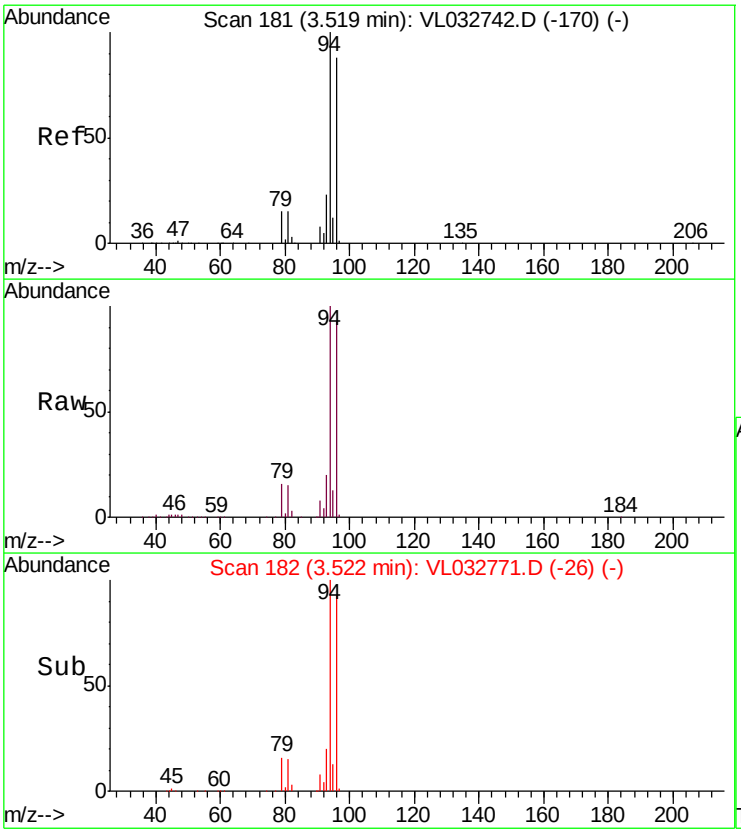
#5
Vinyl Chloride
Concen: 8.733 ppbv
RT: 3.30 min Scan# 112
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS03

Tgt Ion: 62 Resp: 645589

Ion	Ratio	Lower	Upper
62	100		
64	29.9	26.2	39.4

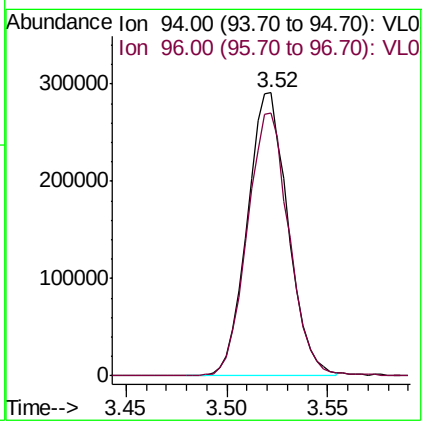


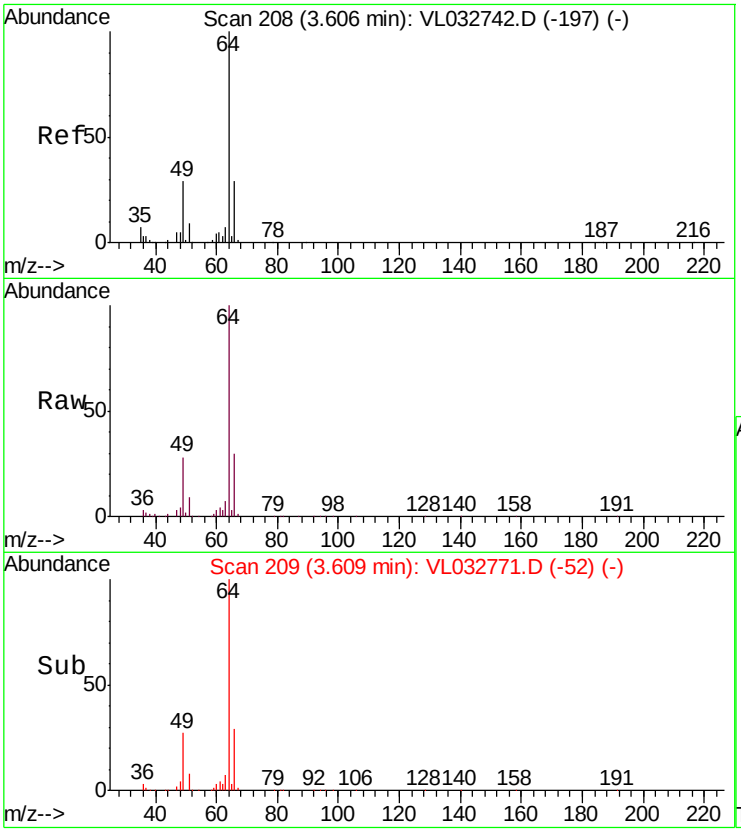


#6
Bromomethane
Concen: 9.108 ppbv
RT: 3.52 min Scan# 182
Delta R.T. 0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 94 Resp: 411920

Ion	Ratio	Lower	Upper
94	100		
96	93.1	70.2	105.2



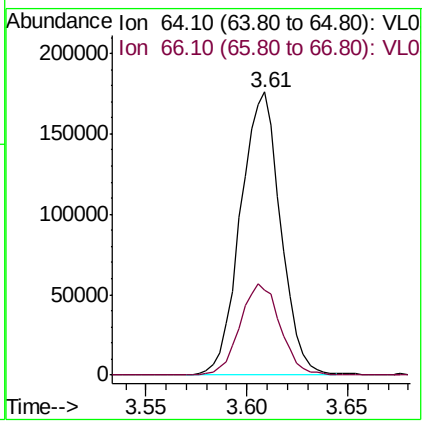


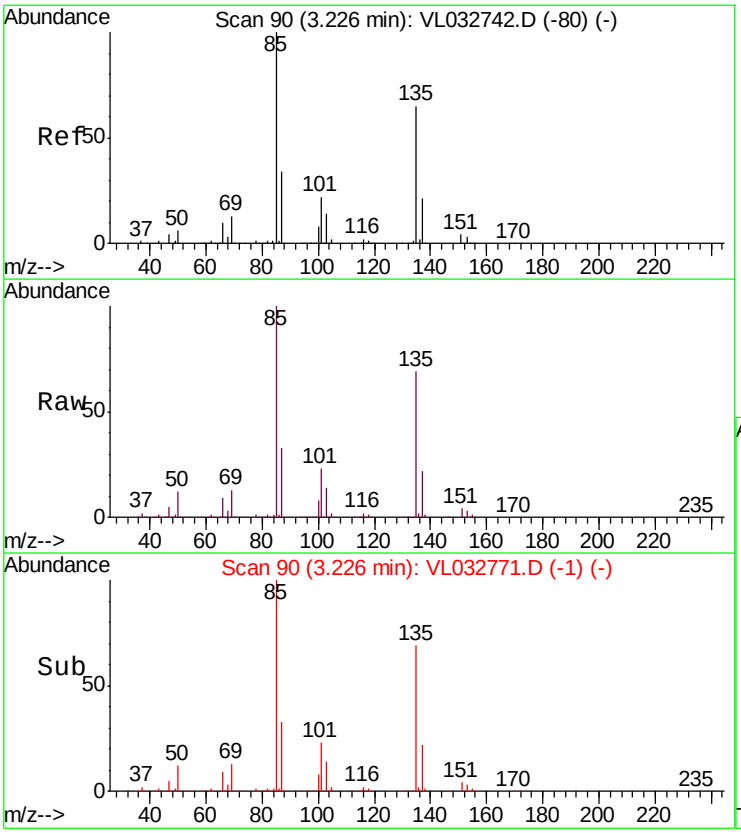
#7
Chloroethane
Concen: 9.204 ppbv
RT: 3.61 min Scan# 209
Delta R.T. 0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS03

Tgt Ion: 64 Resp: 245254

Ion	Ratio	Lower	Upper
64	100		
66	30.0	23.2	34.8

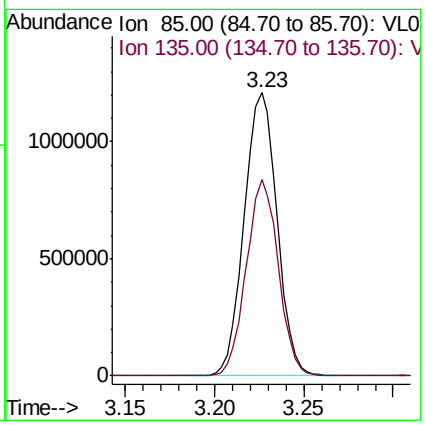


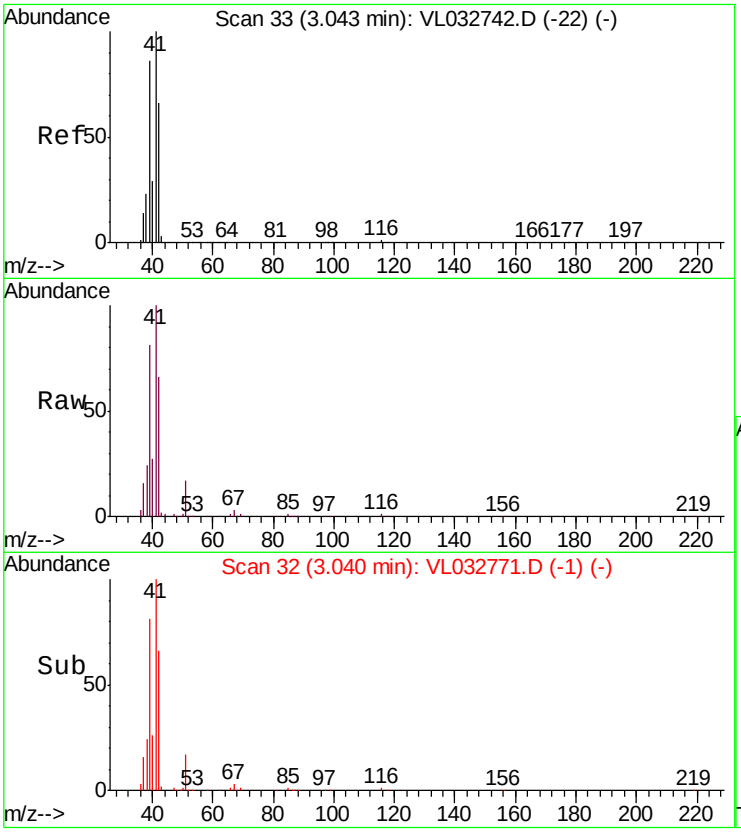


#8
Dichlorotetrafluoroethane
Concen: 8.653 ppbv
RT: 3.23 min Scan# 90
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 85 Resp: 1555546

Ion	Ratio	Lower	Upper
85	100		
135	68.0	53.8	80.8



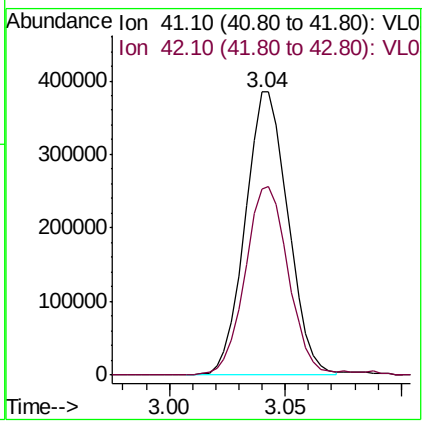


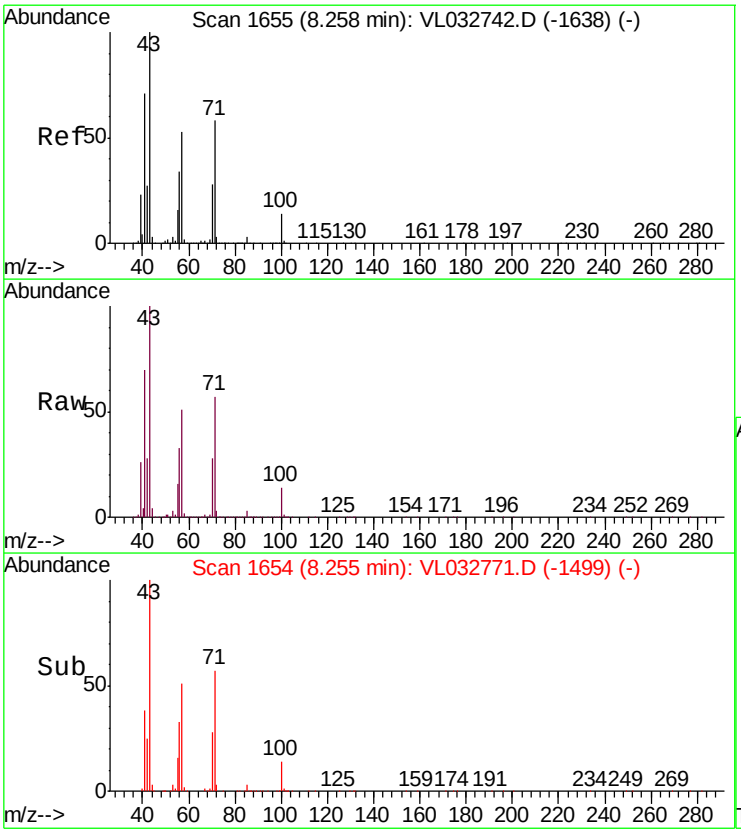
#9
Propene
Concen: 9.830 ppbv
RT: 3.04 min Scan# 32
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS03

Tgt Ion: 41 Resp: 494965

Ion	Ratio	Lower	Upper
41	100		
42	68.5	55.0	82.6

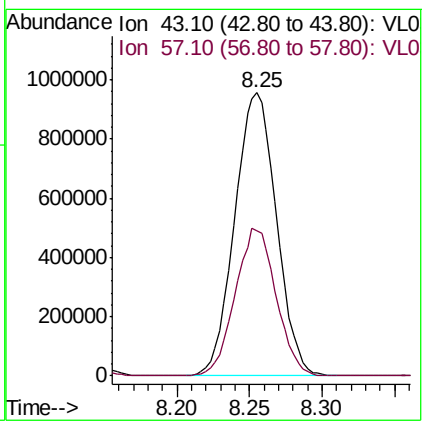


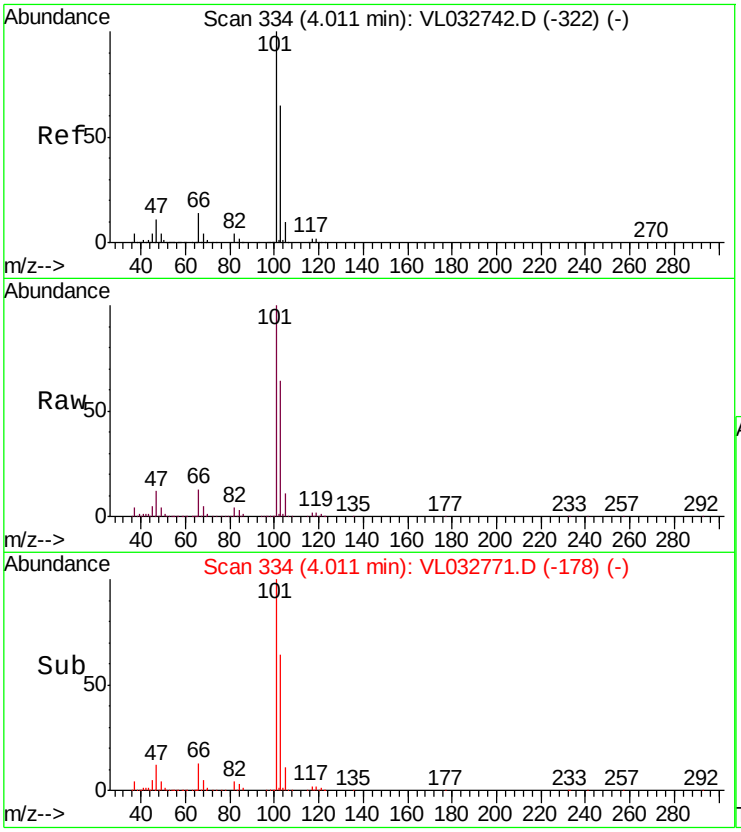


#10
Heptane
Concen: 9.937 ppbv
RT: 8.25 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 43 Resp: 1910310

Ion	Ratio	Lower	Upper
43	100		
57	51.0	41.8	62.8



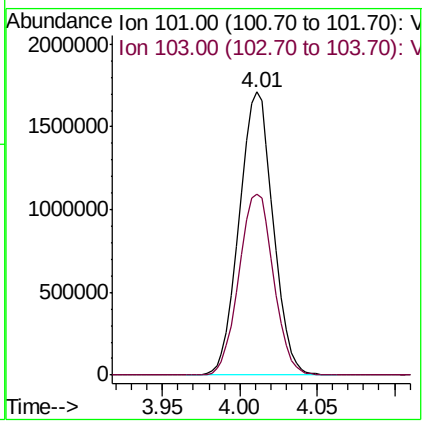


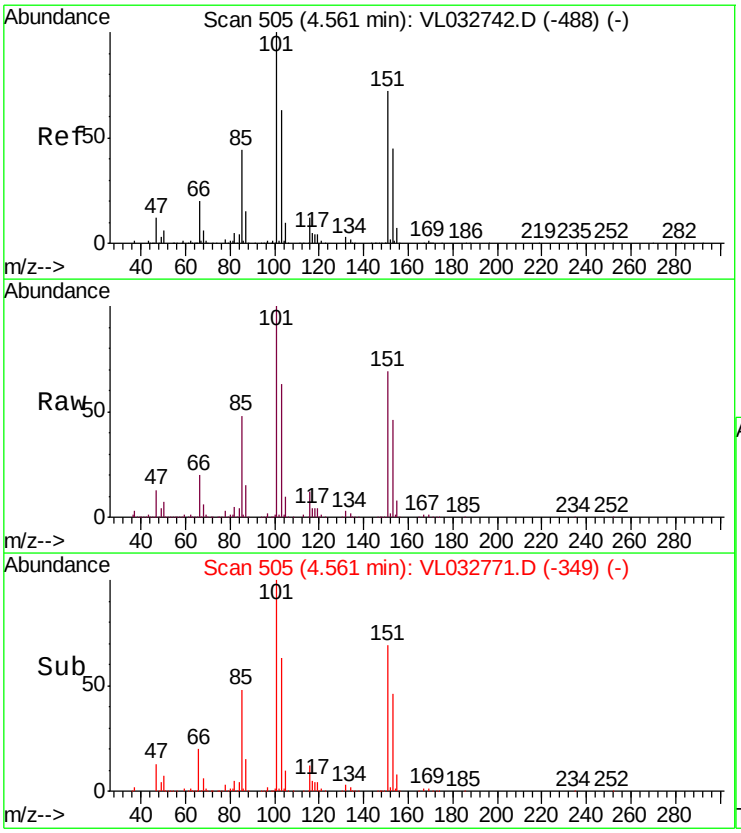
#11
Trichlorofluoromethane
Concen: 12.150 ppbv
RT: 4.01 min Scan# 334
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS03

Tgt Ion:101 Resp: 2612276

Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.6	77.4

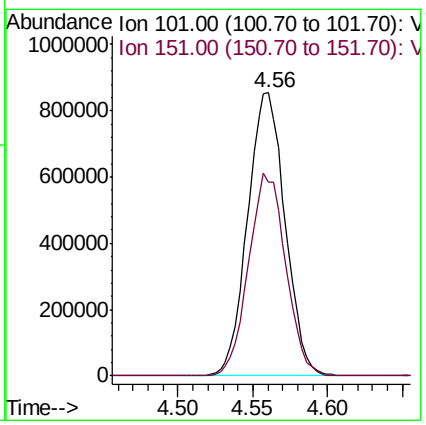


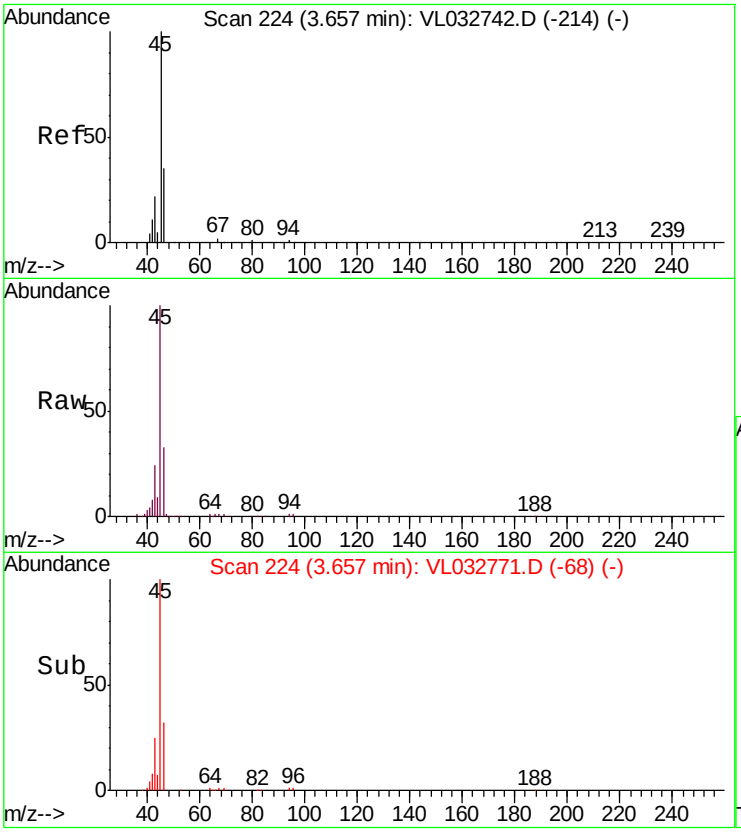


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.492 ppbv
RT: 4.56 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion:101 Resp: 1491220

Ion	Ratio	Lower	Upper
101	100		
151	71.2	56.7	85.1



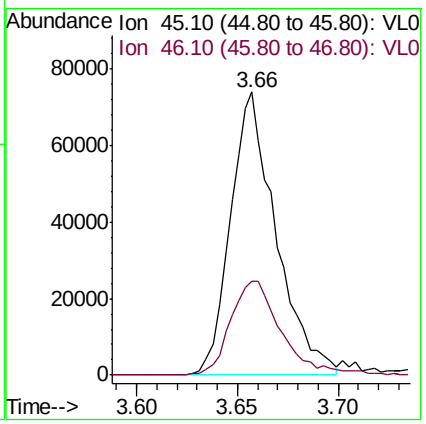


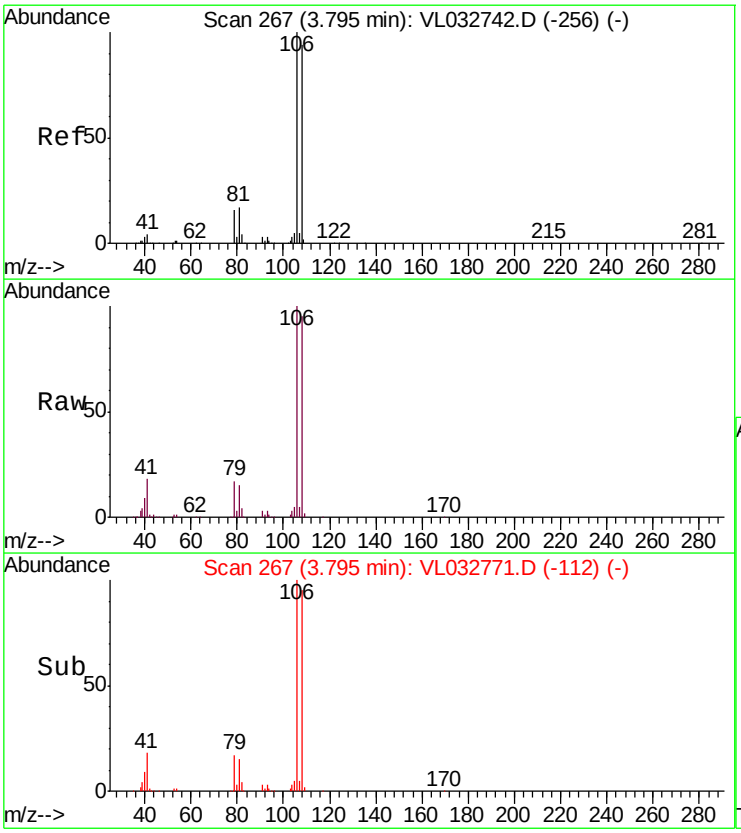
#13
Ethanol
Concen: 7.080 ppbv
RT: 3.66 min Scan# 224
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS03

Tgt Ion: 45 Resp: 116773

Ion	Ratio	Lower	Upper
45	100		
46	37.2	14.5	57.9

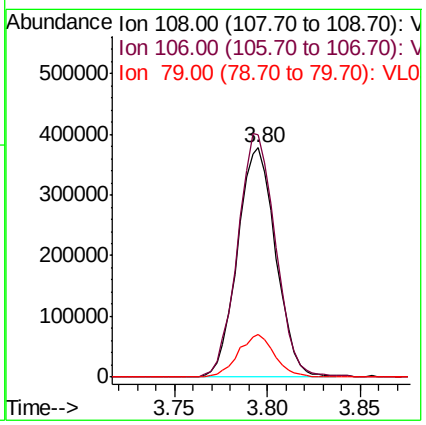


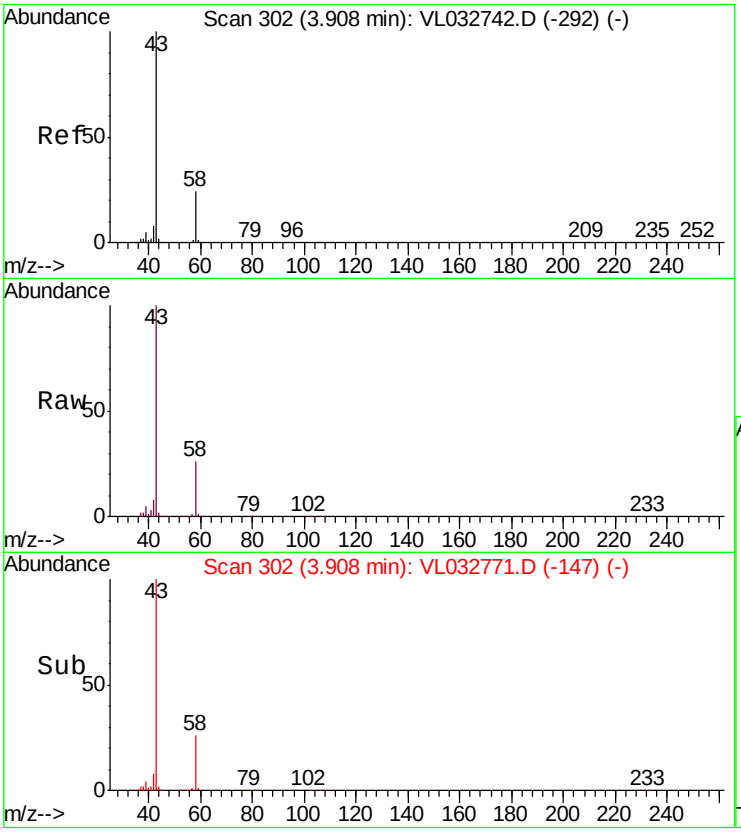


#14
Bromoethene
Concen: 9.292 ppbv
RT: 3.80 min Scan# 267
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion:108 Resp: 541362

Ion	Ratio	Lower	Upper
108	100		
106	105.9	84.9	127.3
79	17.8	14.2	21.4



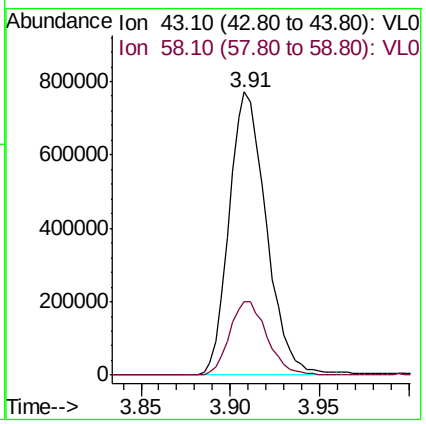


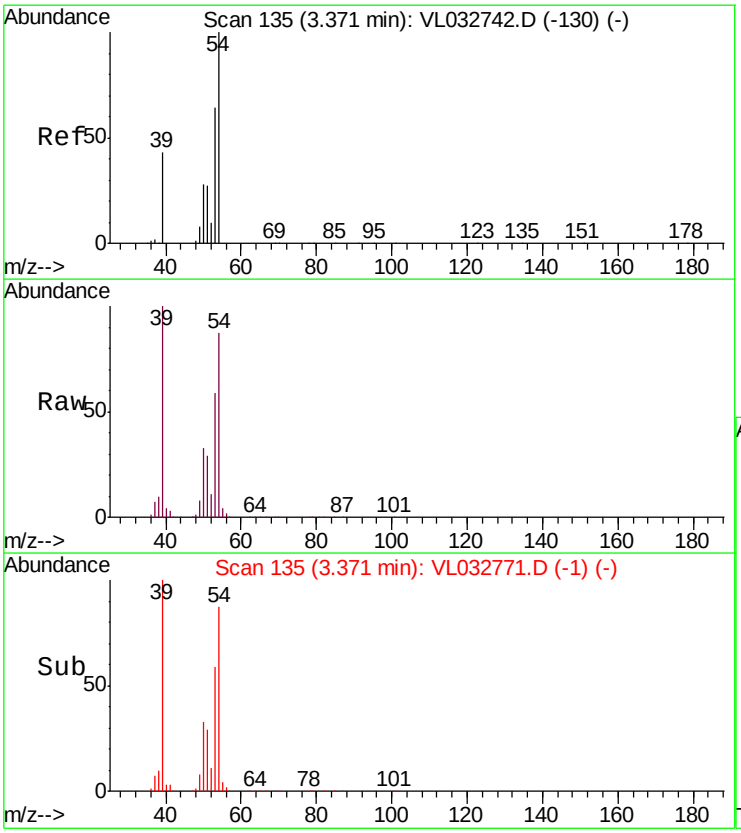
#15
Acetone
Concen: 7.740 ppbv
RT: 3.91 min Scan# 302
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS03

Tgt Ion: 43 Resp: 1121776

Ion	Ratio	Lower	Upper
43	100		
58	26.3	21.1	31.7

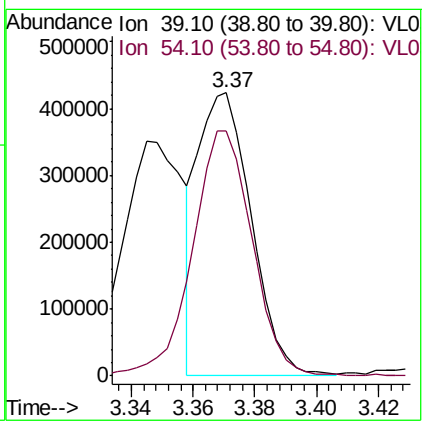


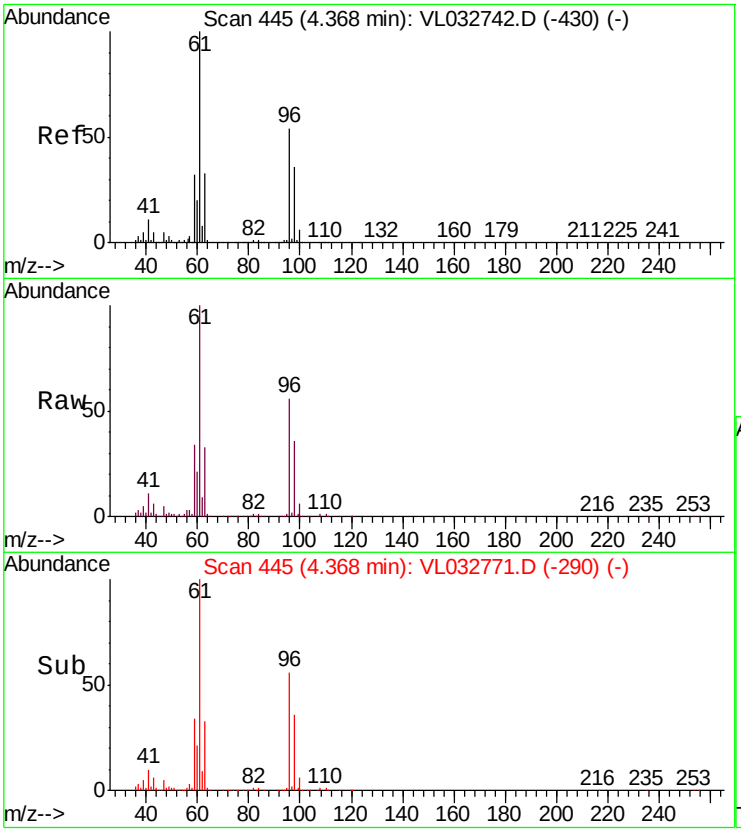


#16
1,3-Butadiene
Concen: 8.982 ppbv
RT: 3.37 min Scan# 135
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 39 Resp: 504118

Ion	Ratio	Lower	Upper
39	100		
54	98.4	68.9	103.3



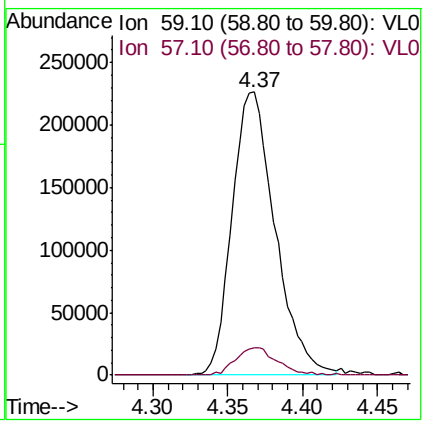


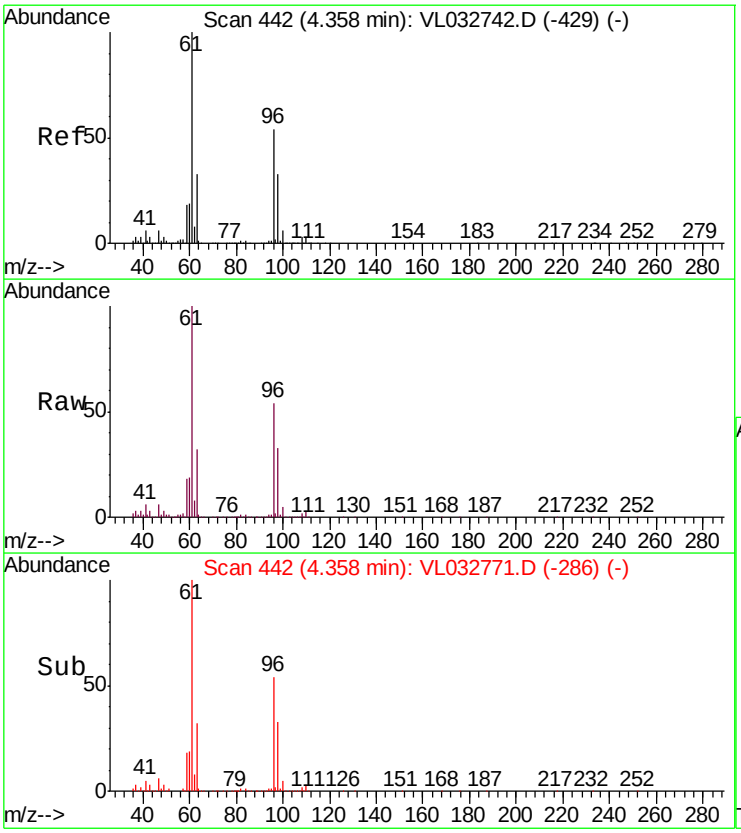
#17
tert-Butyl alcohol
Concen: 9.975 ppbv
RT: 4.37 min Scan# 445
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS03

Tgt Ion: 59 Resp: 453436

Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.8	11.8

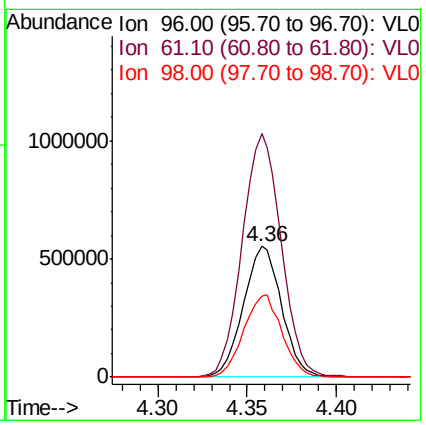


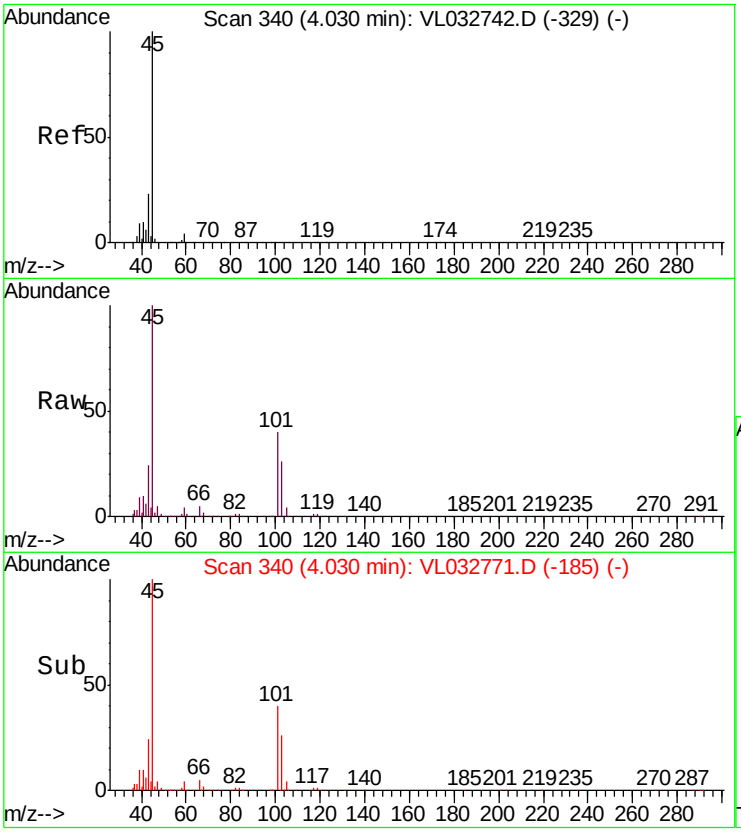


#18
1,1-Dichloroethene
Concen: 9.655 ppbv
RT: 4.36 min Scan# 442
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 96 Resp: 833758

Ion	Ratio	Lower	Upper
96	100		
61	186.4	148.5	222.7
98	61.8	48.6	72.8



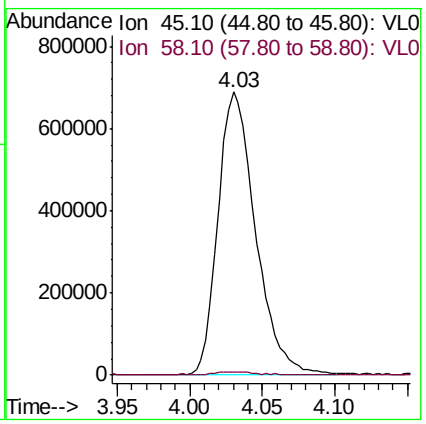


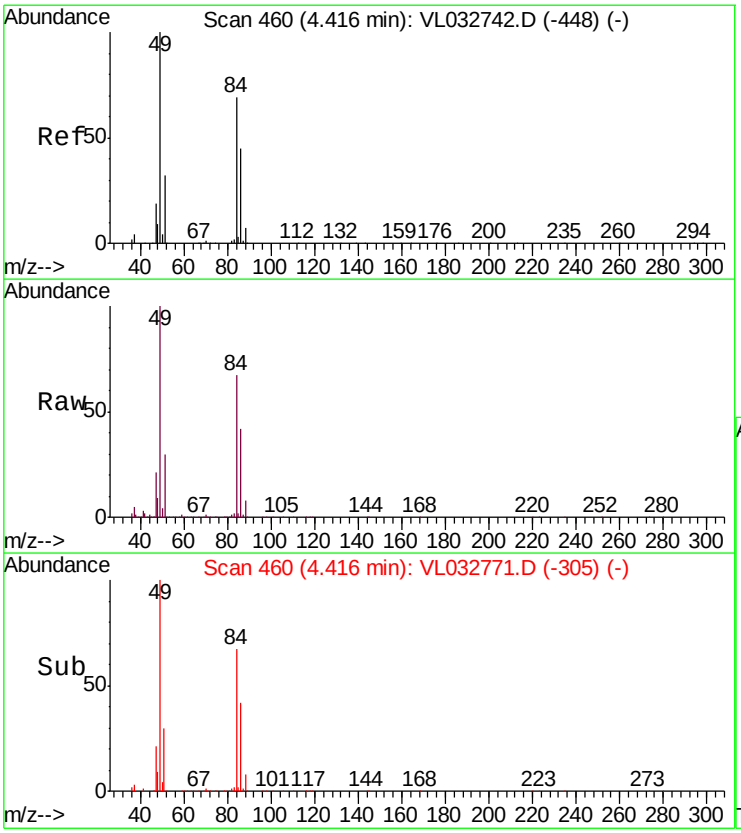
#19
Isopropyl Alcohol
Concen: 12.774 ppbv
RT: 4.03 min Scan# 340
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Tgt Ion: 45 Resp: 1233354

Ion	Ratio	Lower	Upper
45	100		
58	1.5	1.4	2.0

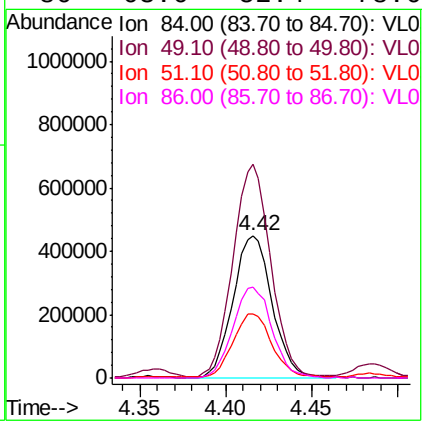


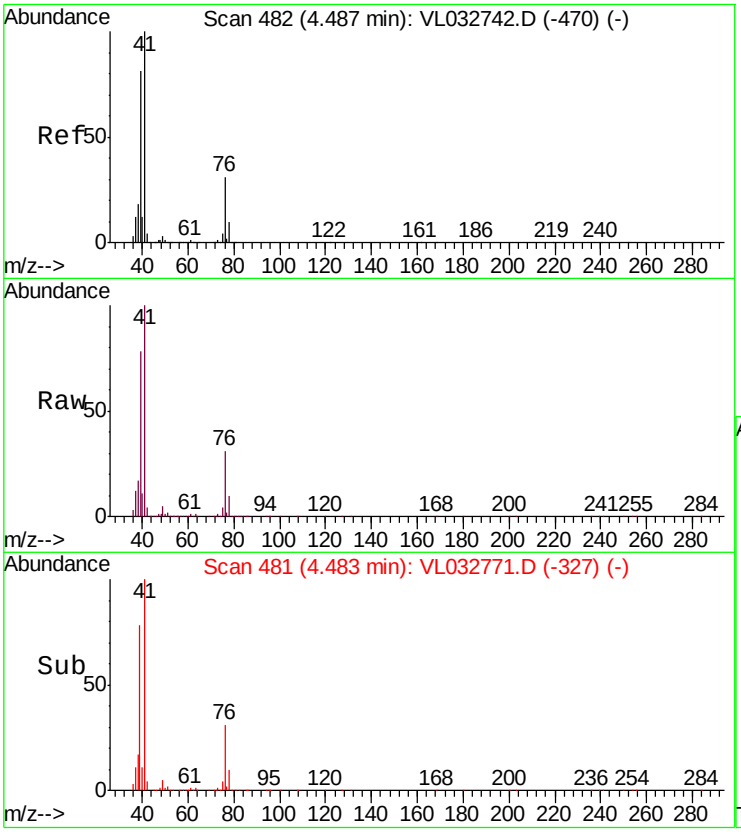


#20
Methylene Chloride
Concen: 9.363 ppbv
RT: 4.42 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 84 Resp: 702568

Ion	Ratio	Lower	Upper
84	100		
49	148.8	115.8	173.6
51	44.5	36.9	55.3
86	63.6	52.4	78.6



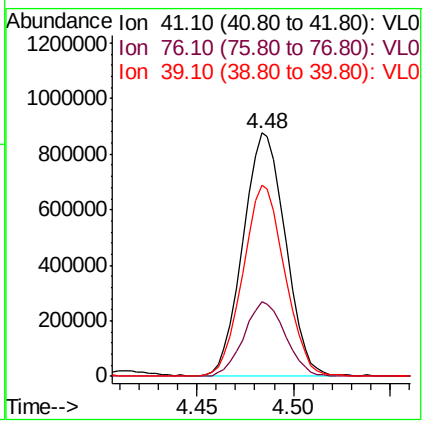


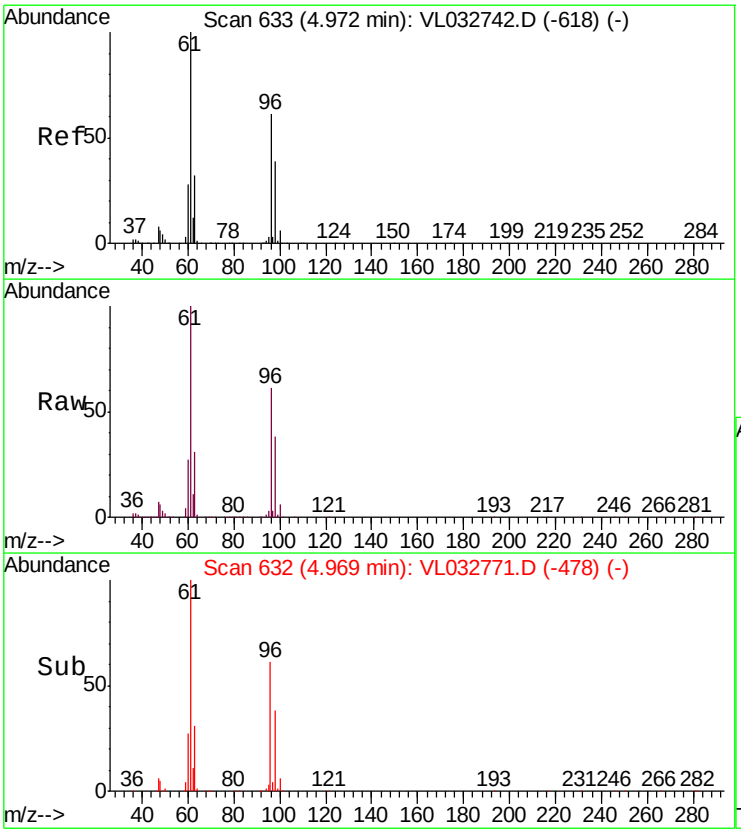
#21
Allyl Chloride
Concen: 10.936 ppbv
RT: 4.48 min Scan# 481
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Tgt Ion: 41 Resp: 1332014

Ion	Ratio	Lower	Upper
41	100		
76	30.2	24.4	36.6
39	78.0	63.5	95.3

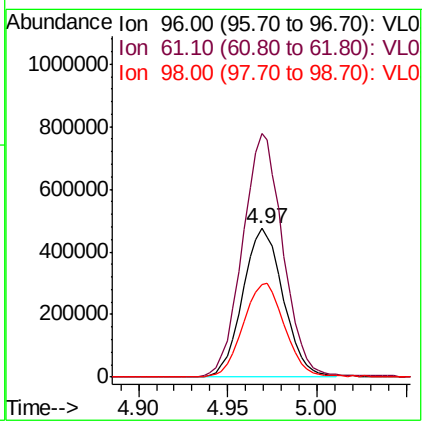


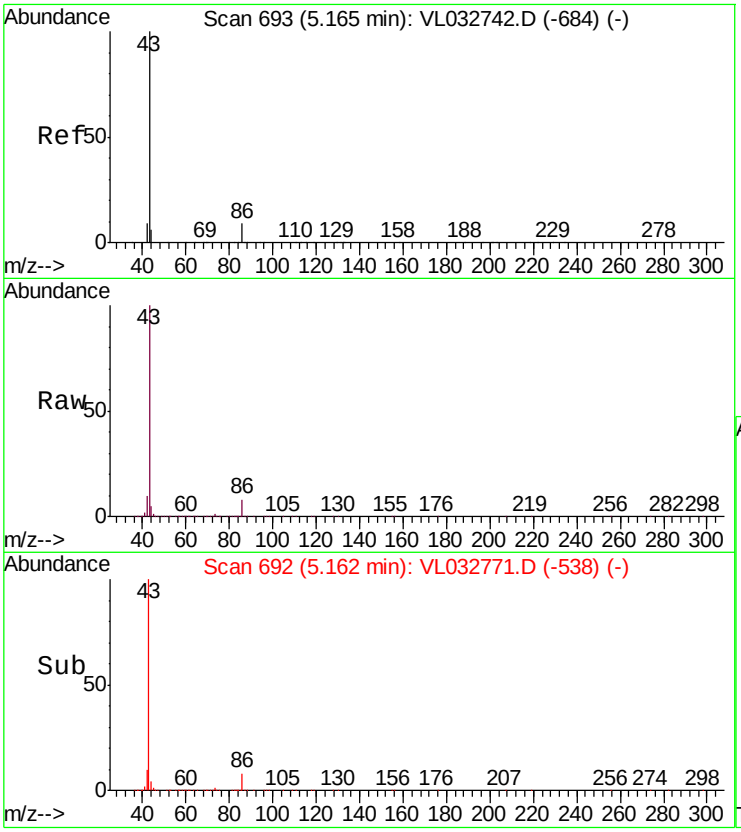


#22
trans-1,2-Dichloroethene
Concen: 8.990 ppbv
RT: 4.97 min Scan# 632
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 96 Resp: 758027

Ion	Ratio	Lower	Upper
96	100		
61	163.8	130.2	195.2
98	62.0	50.2	75.2



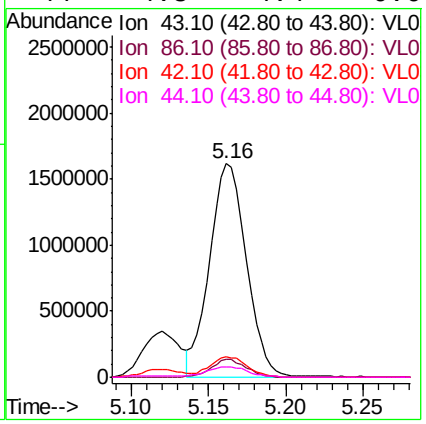


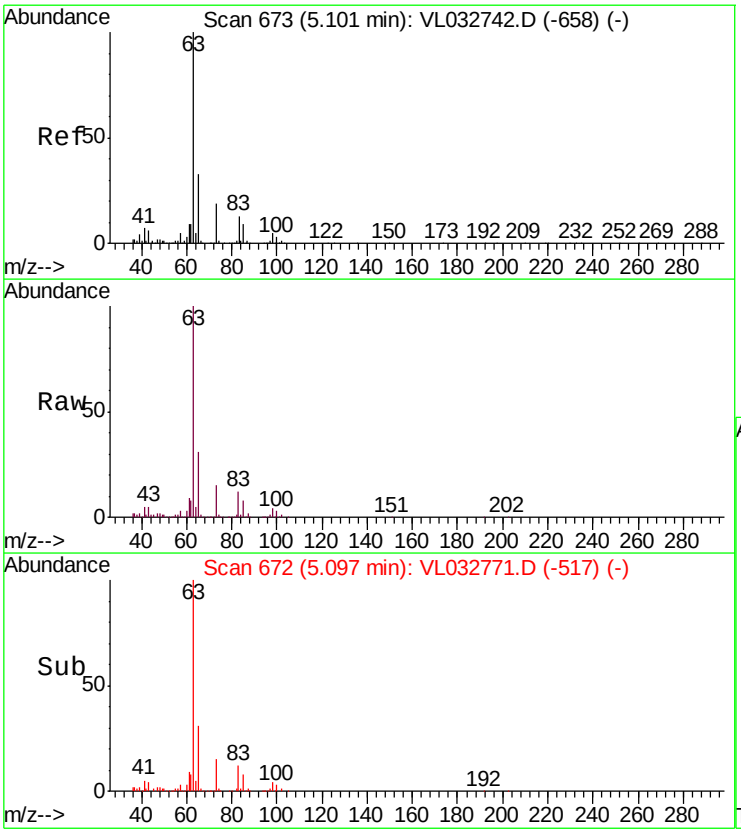
#23
Vinyl Acetate
Concen: 10.147 ppbv
RT: 5.16 min Scan# 692
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Tgt Ion: 43 Resp: 2680818

Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.2	9.4
42	9.6	7.8	11.6
44	4.8	4.4	6.6

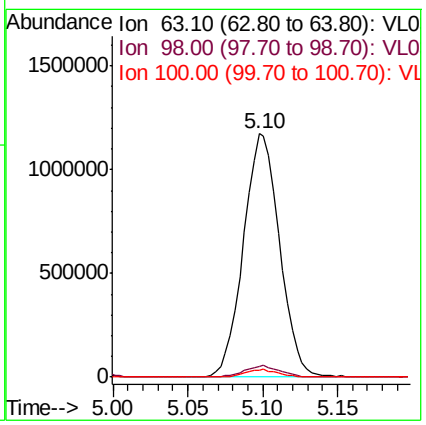


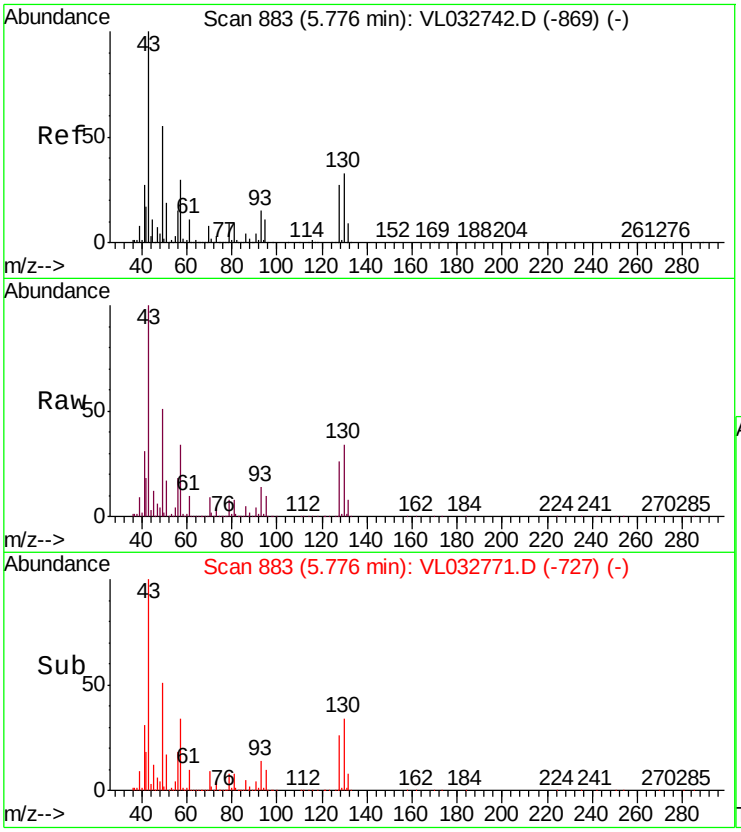


#24
1,1-Dichloroethane
Concen: 9.378 ppbv
RT: 5.10 min Scan# 672
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 63 Resp: 1969693

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.3	6.8
100	2.7	1.4	4.2



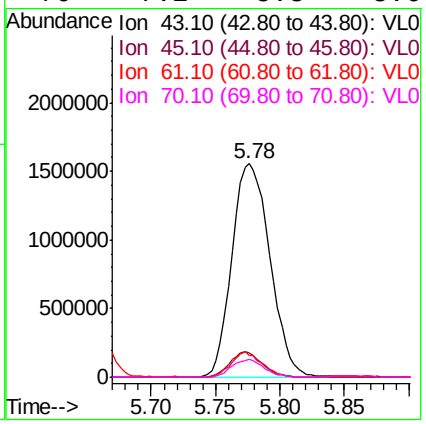


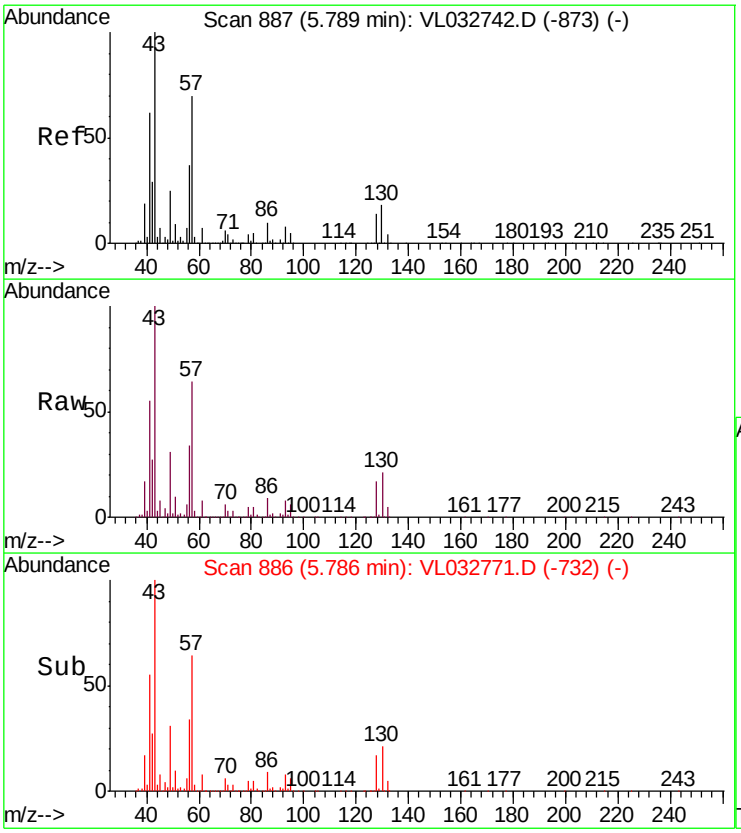
#25
Ethyl Acetate
Concen: 9.456 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Tgt Ion: 43 Resp: 3194315

Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.9	11.9
61	9.6	7.8	11.6
70	7.2	5.8	8.6

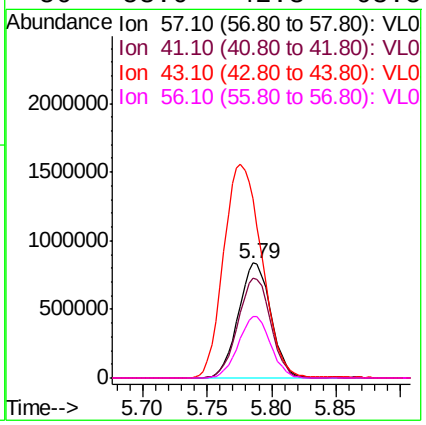


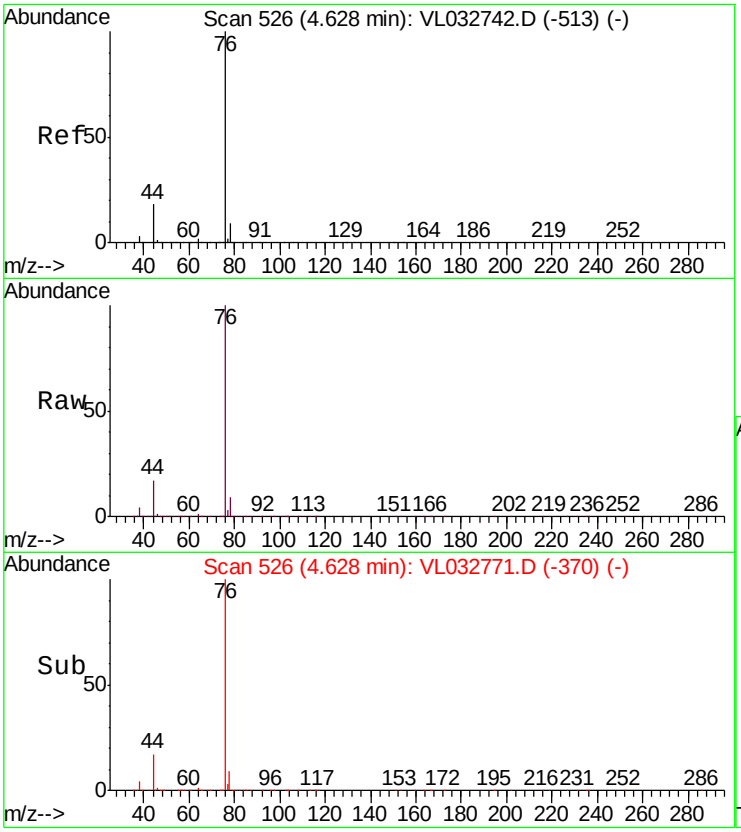


#26
Hexane
Concen: 9.771 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 57 Resp: 1469331

Ion	Ratio	Lower	Upper
57	100		
41	87.7	70.3	105.5
43	219.0	174.0	261.0
56	53.0	42.3	63.5



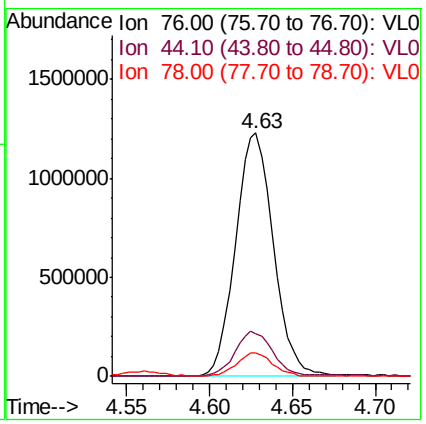


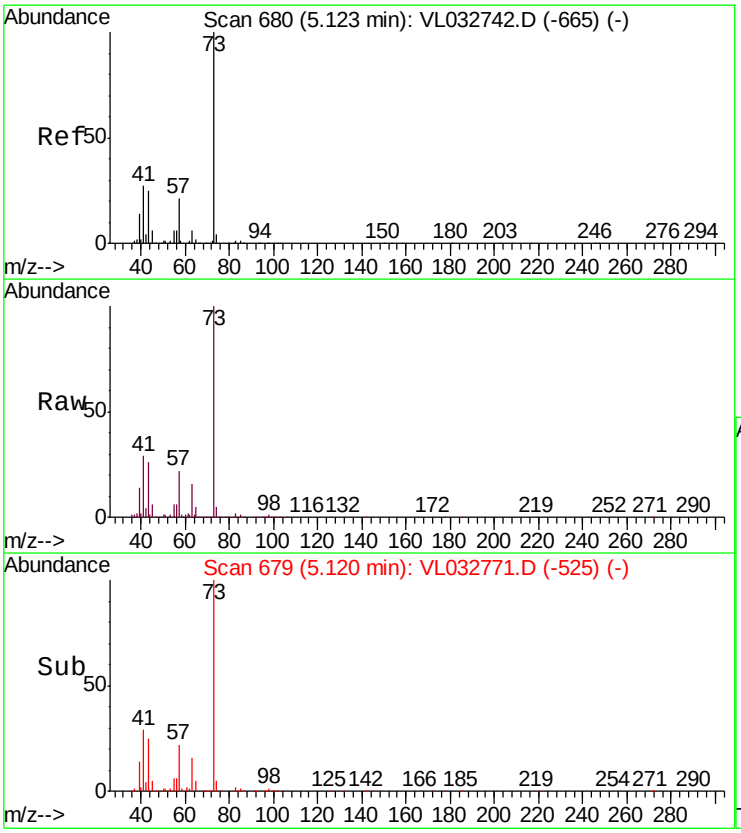
#27
Carbon Disulfide
Concen: 10.228 ppbv
RT: 4.63 min Scan# 526
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Tgt Ion: 76 Resp: 1950277

Ion	Ratio	Lower	Upper
76	100		
44	18.3	14.4	21.6
78	9.4	7.7	11.5

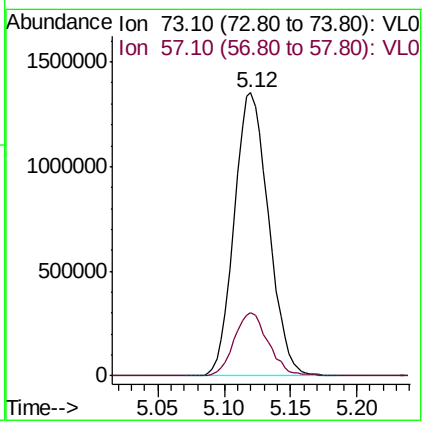


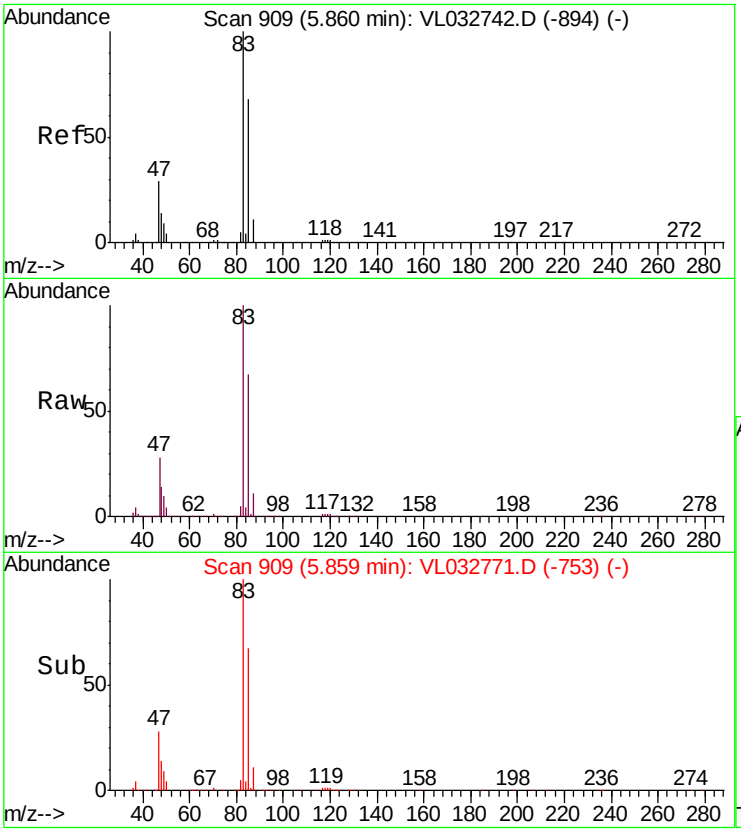


#28
Methyl tert-Butyl Ether
Concen: 10.181 ppbv
RT: 5.12 min Scan# 679
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 73 Resp: 2441486

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.5	26.3



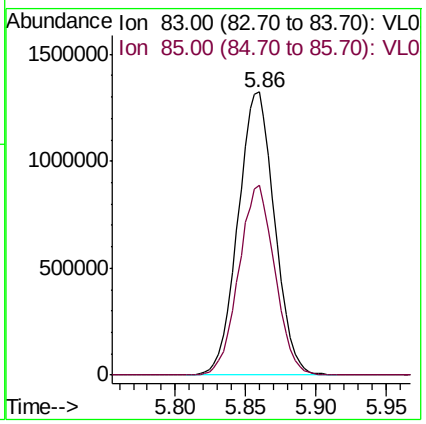


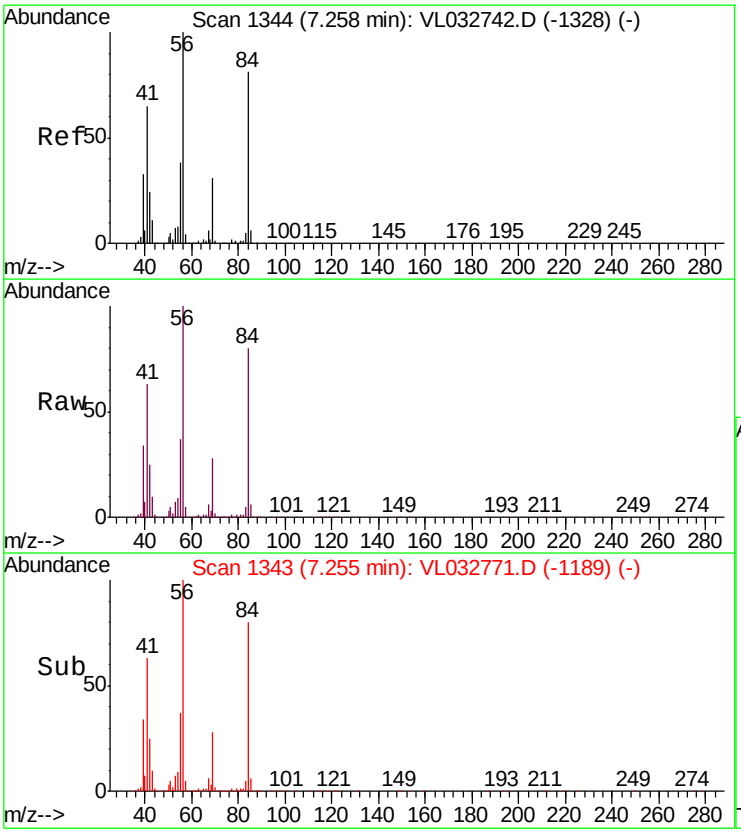
#29
Chloroform
Concen: 8.966 ppbv
RT: 5.86 min Scan# 909
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS03

Tgt Ion: 83 Resp: 2403016

Ion	Ratio	Lower	Upper
83	100		
85	67.0	54.2	81.4

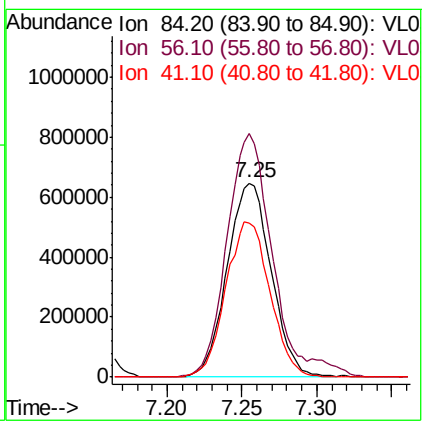


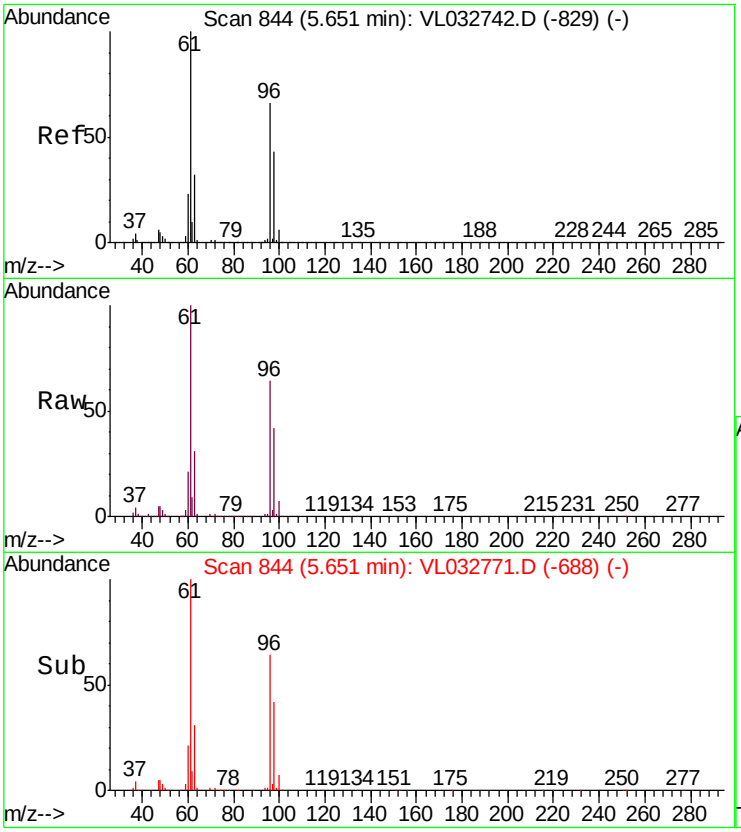


#30
Cyclohexane
Concen: 9.968 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 84 Resp: 1310980

Ion	Ratio	Lower	Upper
84	100		
56	132.1	105.0	157.4
41	81.4	65.3	97.9



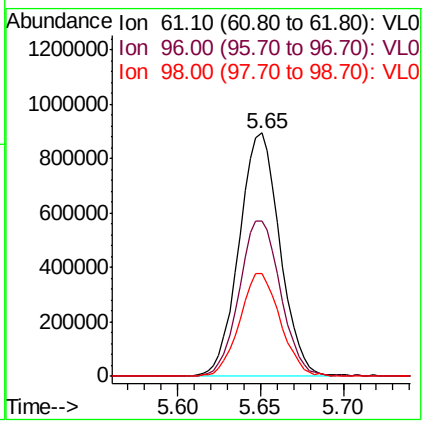


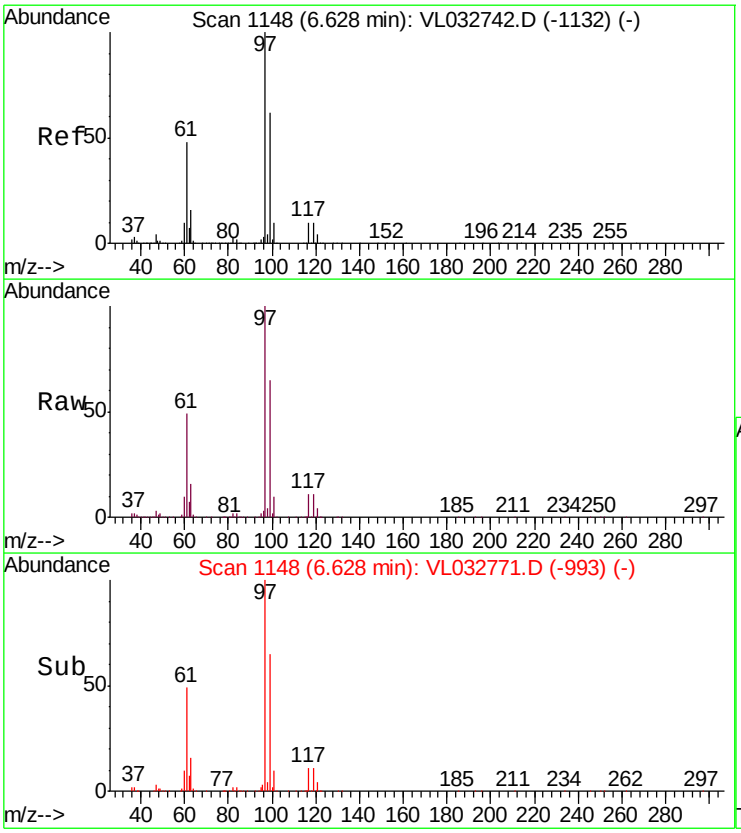
#31
cis-1,2-Dichloroethene
Concen: 10.120 ppbv
RT: 5.65 min Scan# 844
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS03

Tgt Ion: 61 Resp: 1530005

Ion	Ratio	Lower	Upper
61	100		
96	64.0	53.2	79.8
98	42.1	34.4	51.6

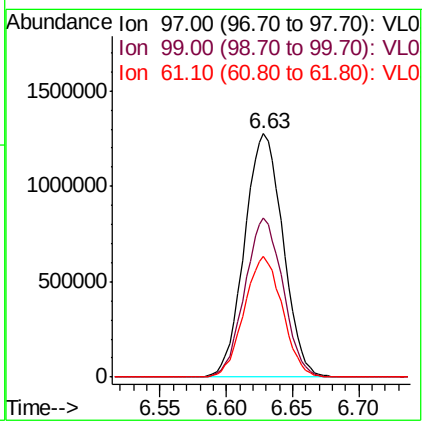


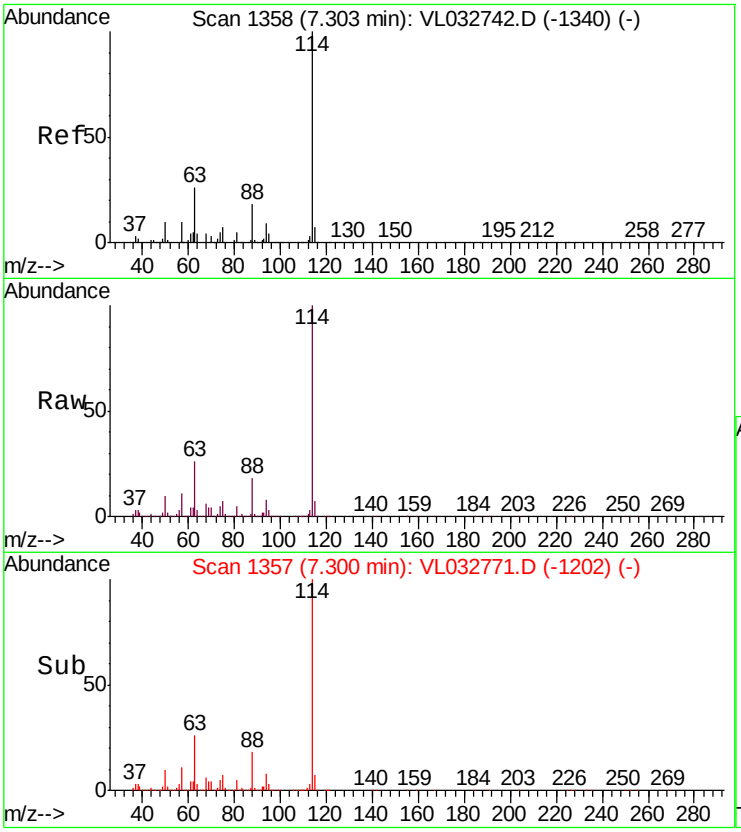


#32
1,1,1-Trichloroethane
Concen: 8.787 ppbv
RT: 6.63 min Scan# 1148
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 97 Resp: 2581344

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.6
61	49.1	39.7	59.5



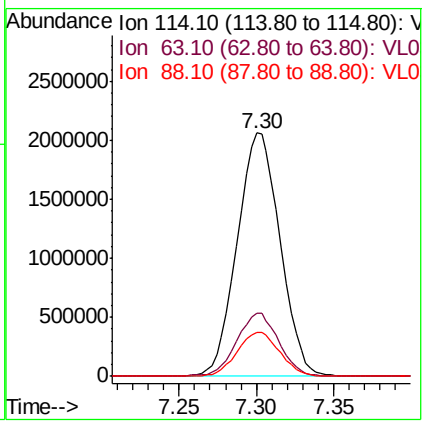


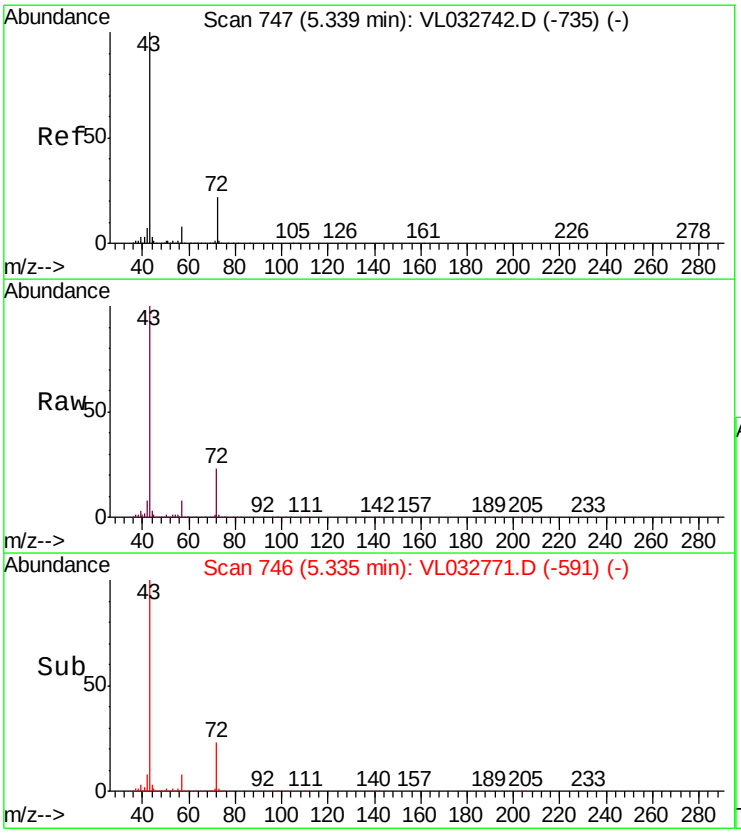
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS03

Tgt Ion:114 Resp: 3969783

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.9	31.3
88	18.0	14.4	21.6

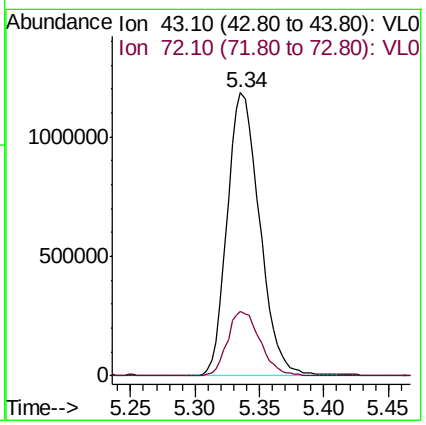


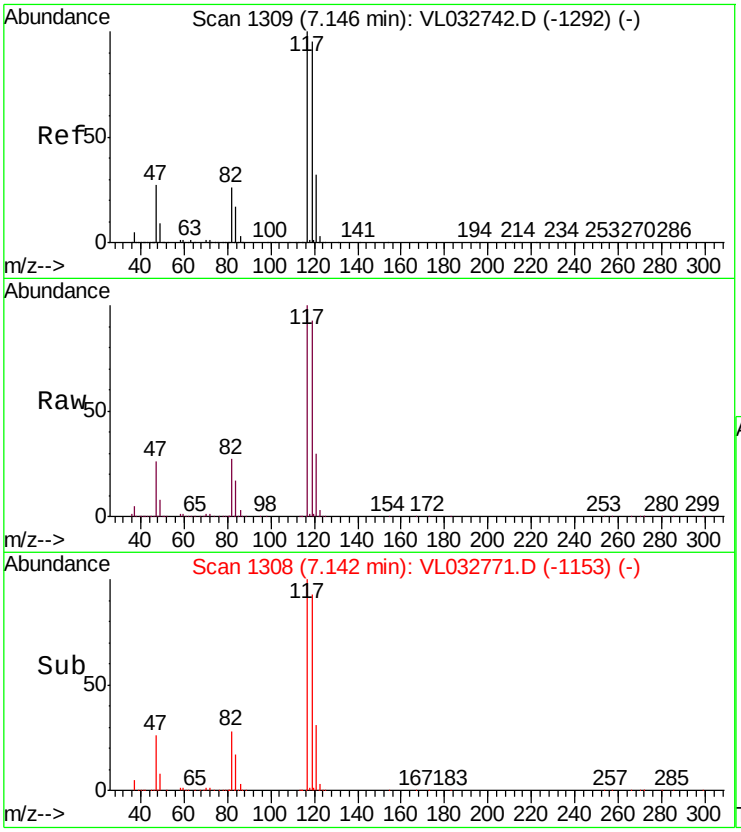


#34
2-Butanone
Concen: 10.062 ppbv
RT: 5.34 min Scan# 746
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 43 Resp: 2071703

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.4	27.6



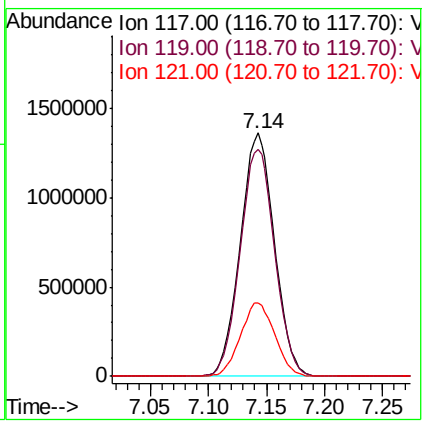


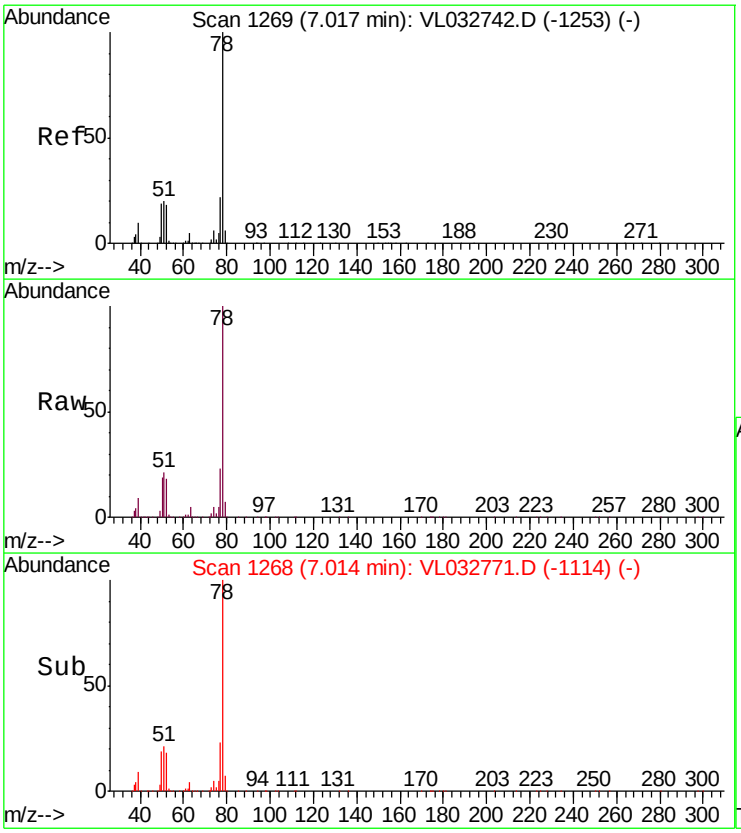
#35
Carbon Tetrachloride
Concen: 8.739 ppbv
RT: 7.14 min Scan# 1308
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Tgt Ion:117 Resp: 2789018

Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.1	114.1
121	30.4	25.4	38.0

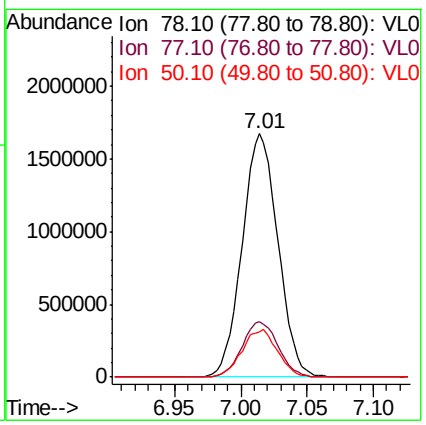


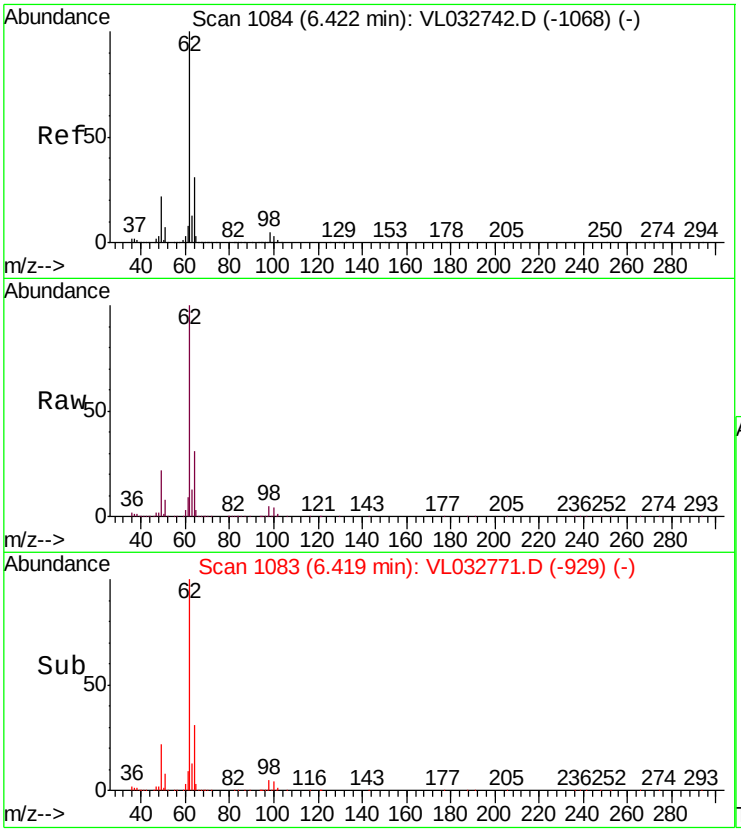


#36
Benzene
Concen: 9.915 ppbv
RT: 7.01 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 78 Resp: 3134393

Ion	Ratio	Lower	Upper
78	100		
77	22.7	17.8	26.8
50	18.6	15.4	23.0



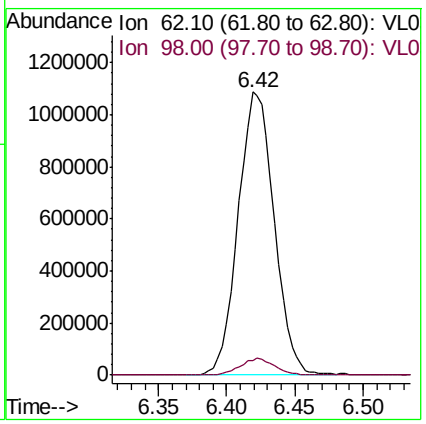


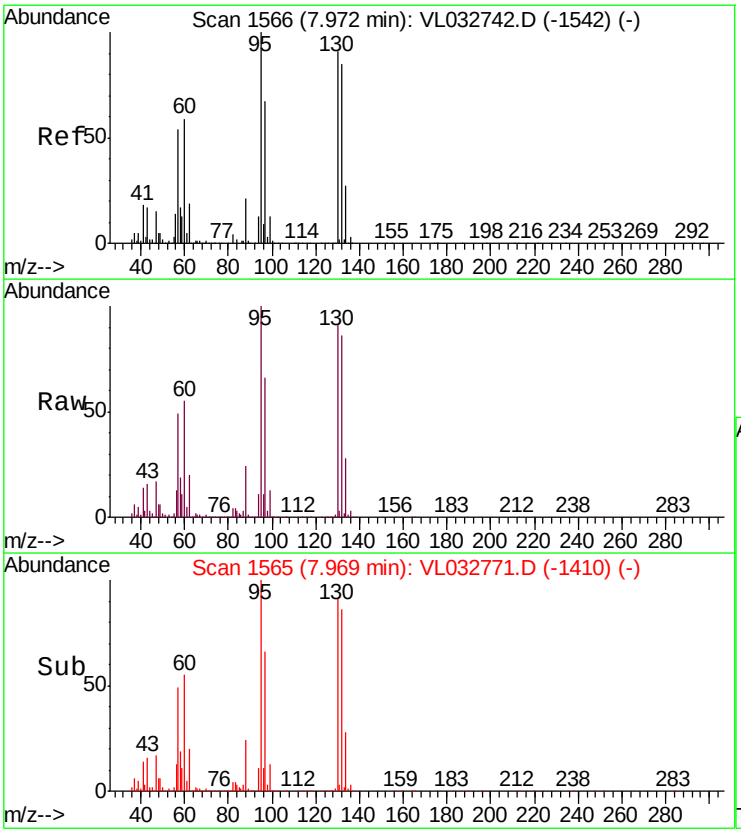
#37
1,2-Dichloroethane
Concen: 9.348 ppbv
RT: 6.42 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Tgt Ion: 62 Resp: 1989221

Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.5	6.7

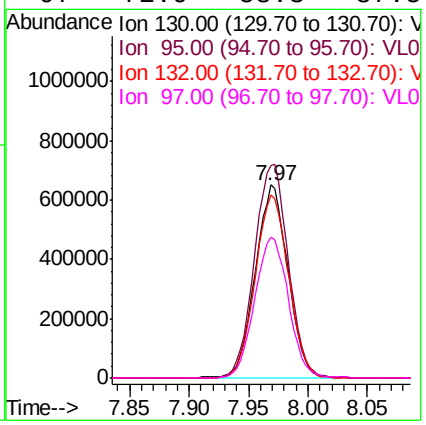


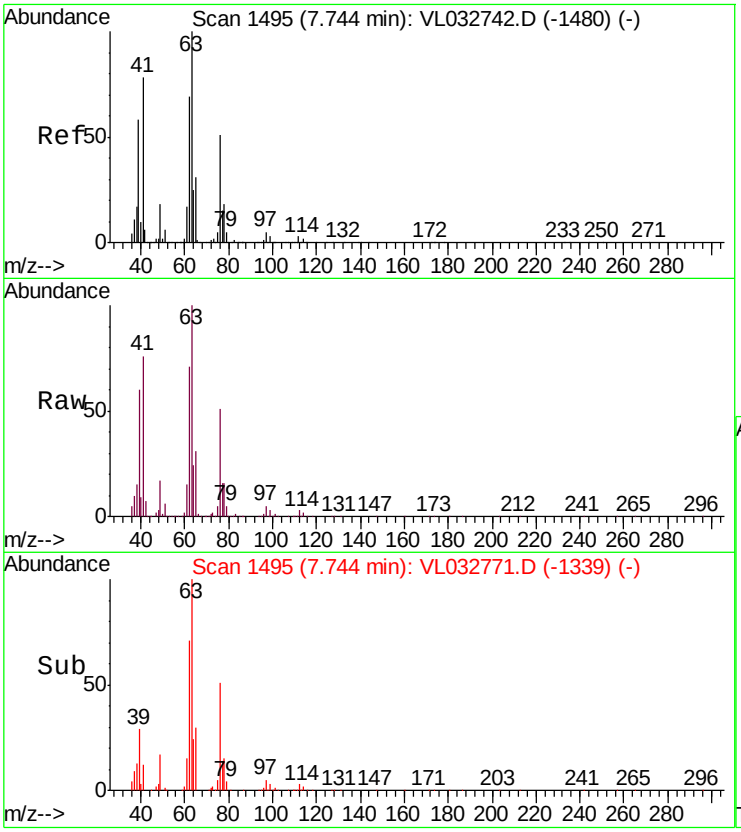


#38
Trichloroethene
Concen: 9.671 ppbv
RT: 7.97 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion:130 Resp: 1237175

Ion	Ratio	Lower	Upper
130	100		
95	110.6	87.7	131.5
132	95.1	74.6	111.8
97	72.9	58.3	87.5



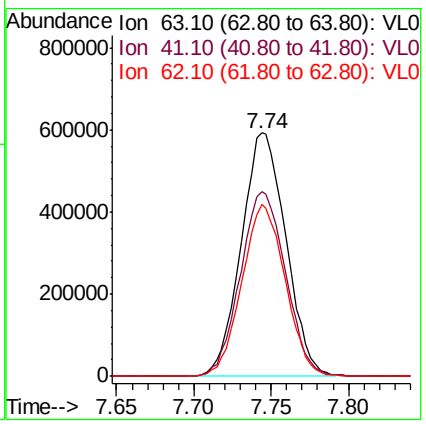


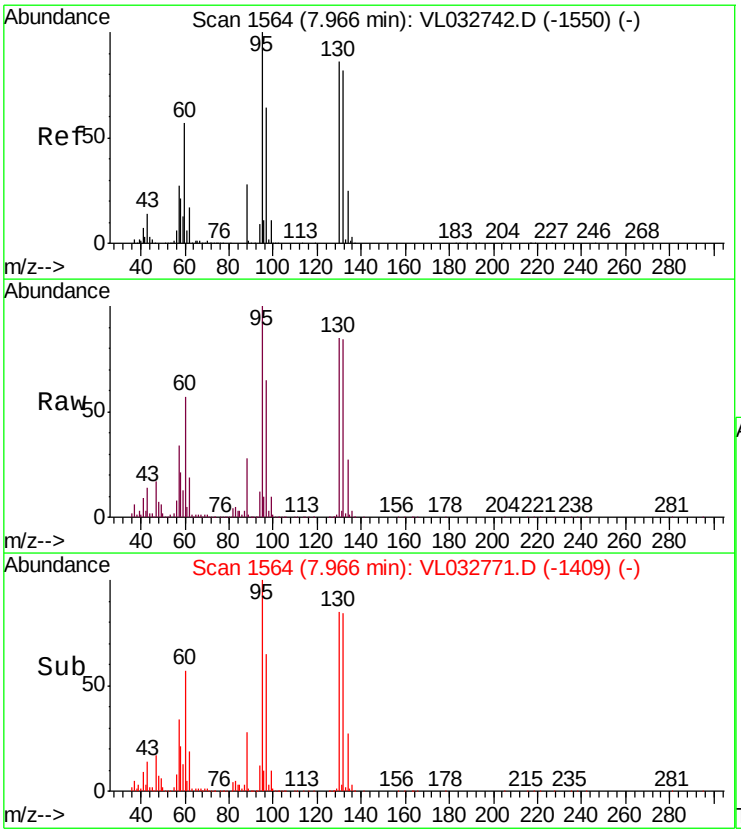
#39
1,2-Dichloropropane
Concen: 9.848 ppbv
RT: 7.74 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS03

Tgt Ion: 63 Resp: 1186152

Ion	Ratio	Lower	Upper
63	100		
41	75.9	62.0	93.0
62	70.9	55.4	83.2

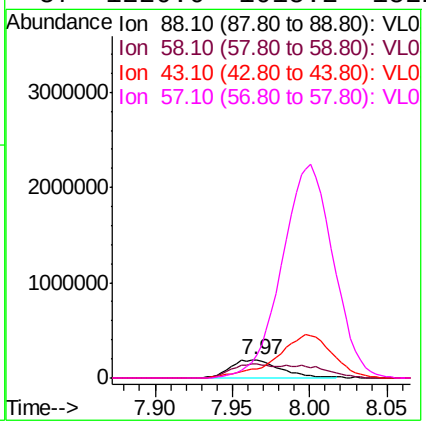


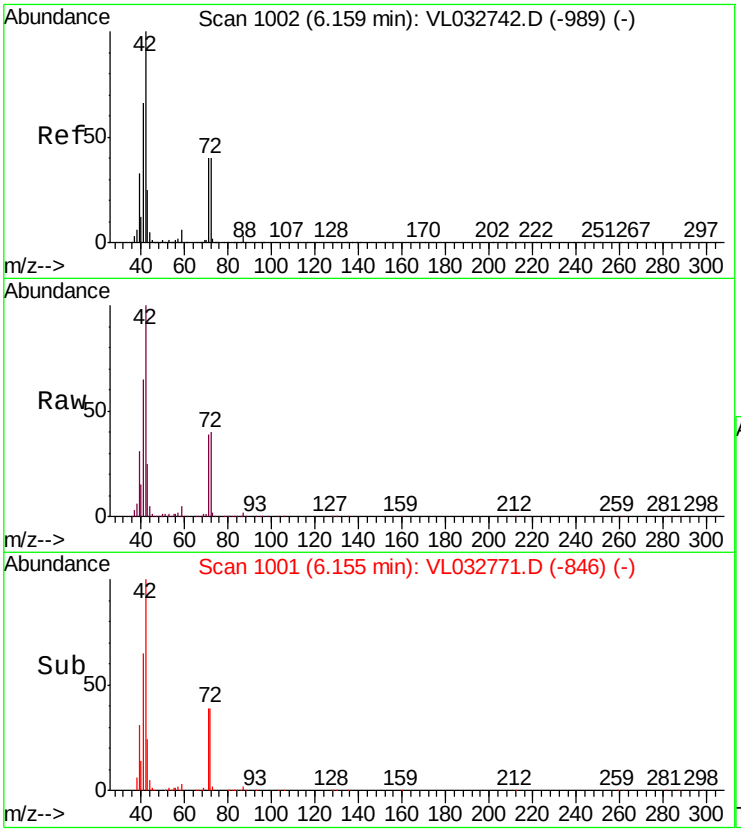


#40
1,4-Dioxane
Concen: 9.890 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 88 Resp: 425467

Ion	Ratio	Lower	Upper
88	100		
58	130.8	105.3	157.9
43	270.9	226.1	339.1
57	1220.0	1015.2	1522.8



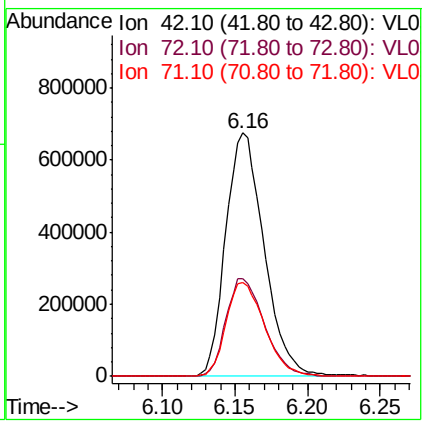


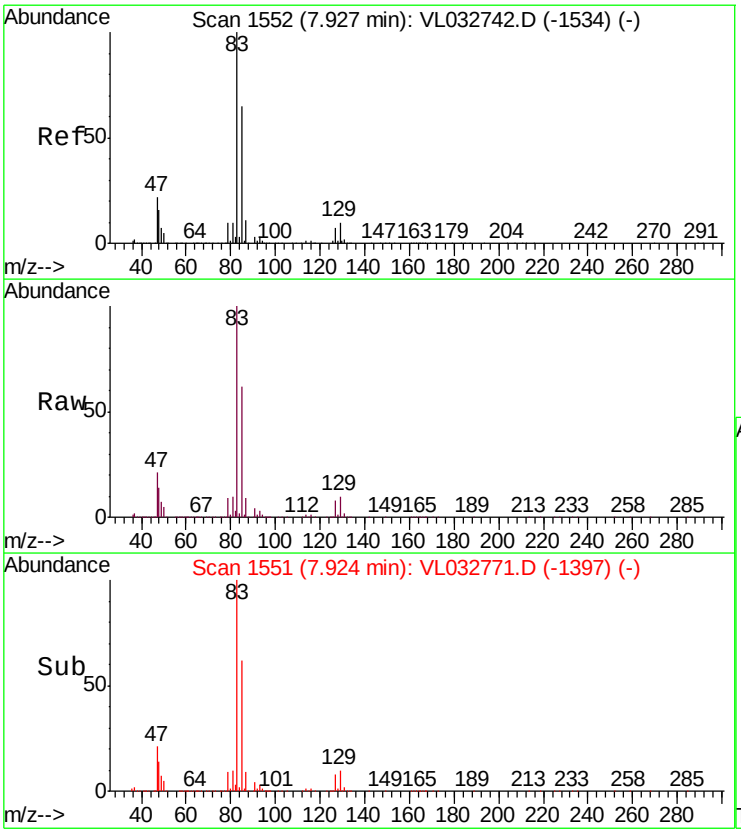
#41
Tetrahydrofuran
Concen: 10.512 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Tgt Ion: 42 Resp: 1241469

Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.4	48.6
71	38.9	31.6	47.4

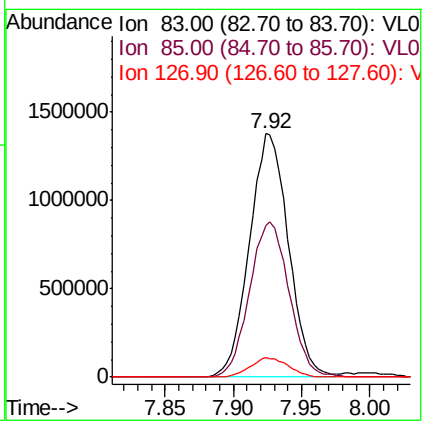


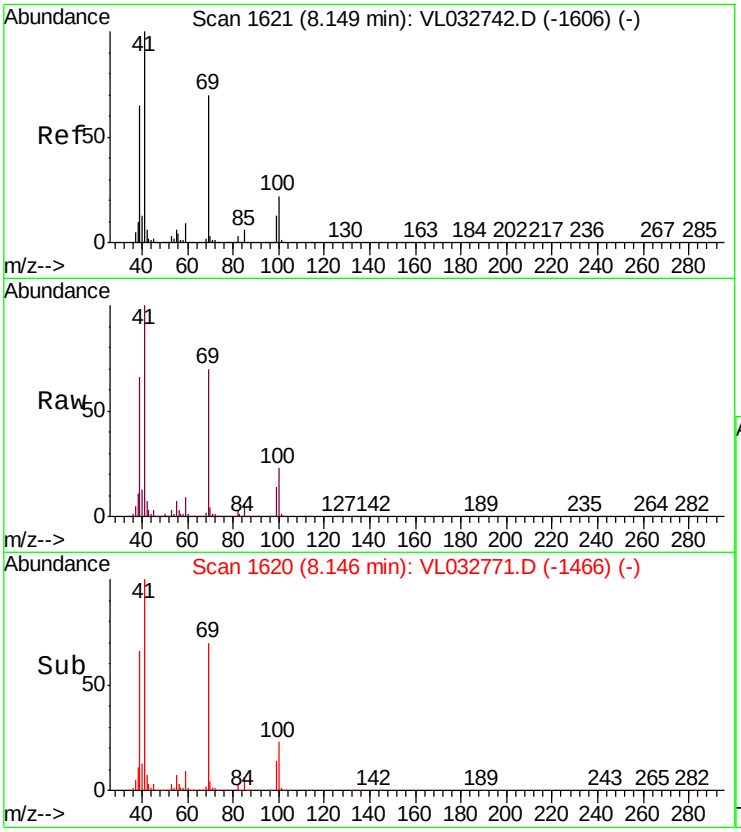


#42
Bromodichloromethane
Concen: 9.468 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 83 Resp: 2731322

Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.8	77.8
127	7.9	5.9	8.9



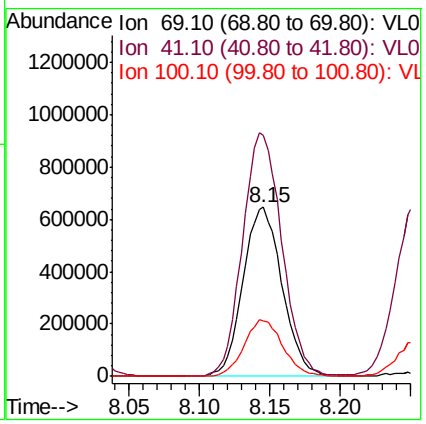


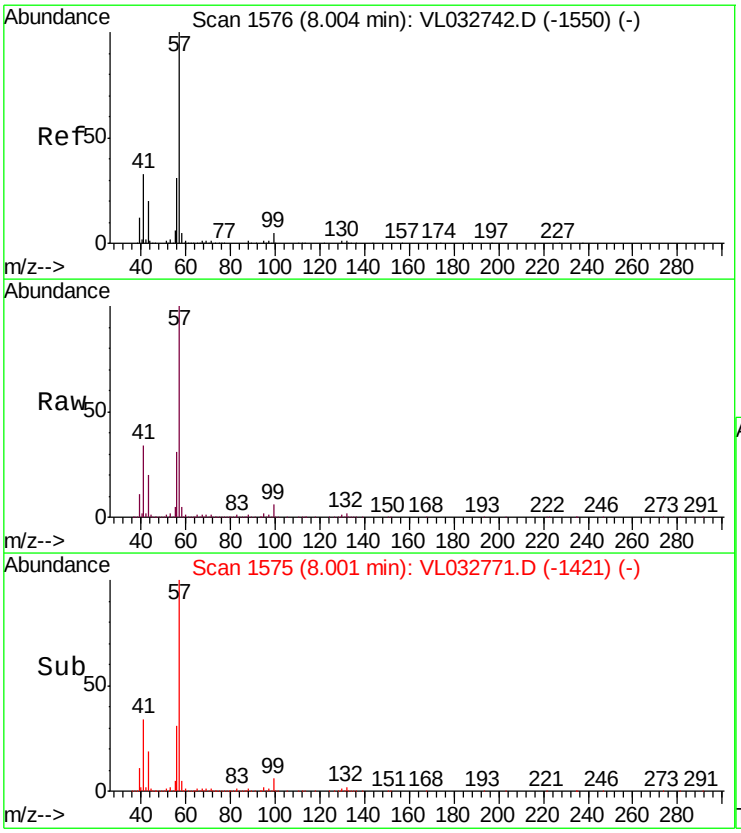
#43
Methyl Methacrylate
Concen: 10.645 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Tgt Ion: 69 Resp: 1256258

Ion	Ratio	Lower	Upper
69	100		
41	144.5	115.0	172.4
100	32.8	25.4	38.0

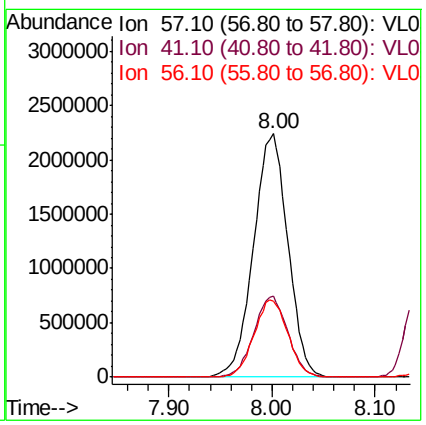


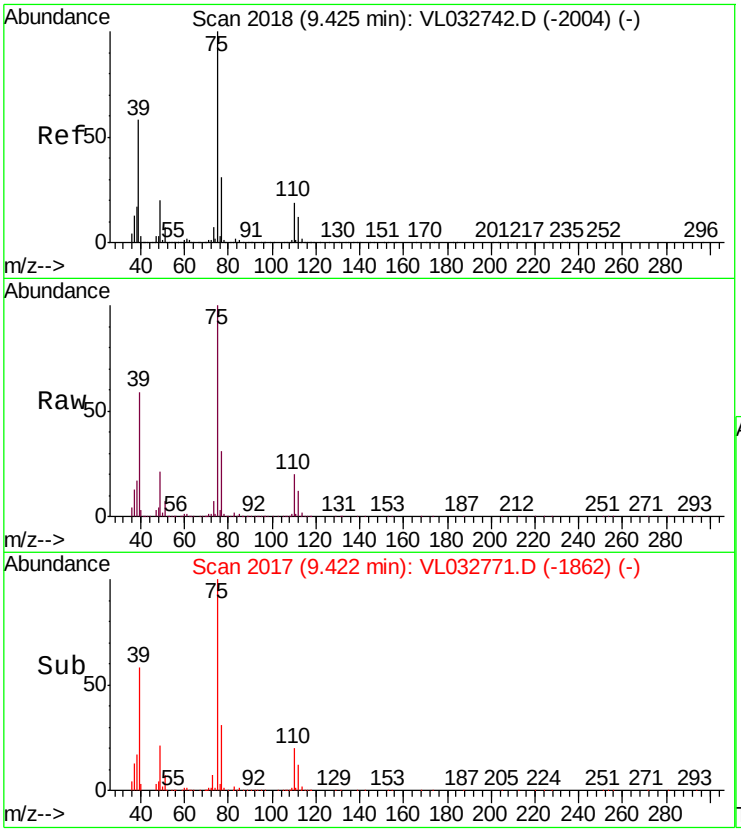


#44
2,2,4-Trimethylpentane
Concen: 9.812 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 57 Resp: 5183464

Ion	Ratio	Lower	Upper
57	100		
41	32.7	26.6	39.8
56	31.3	24.8	37.2



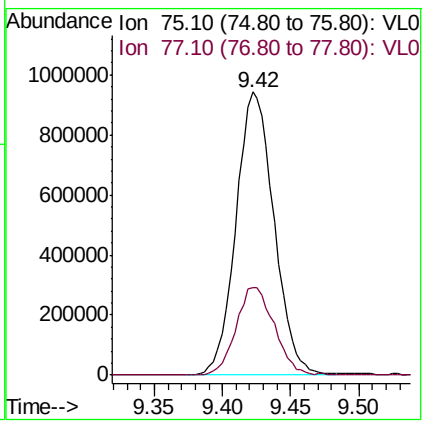


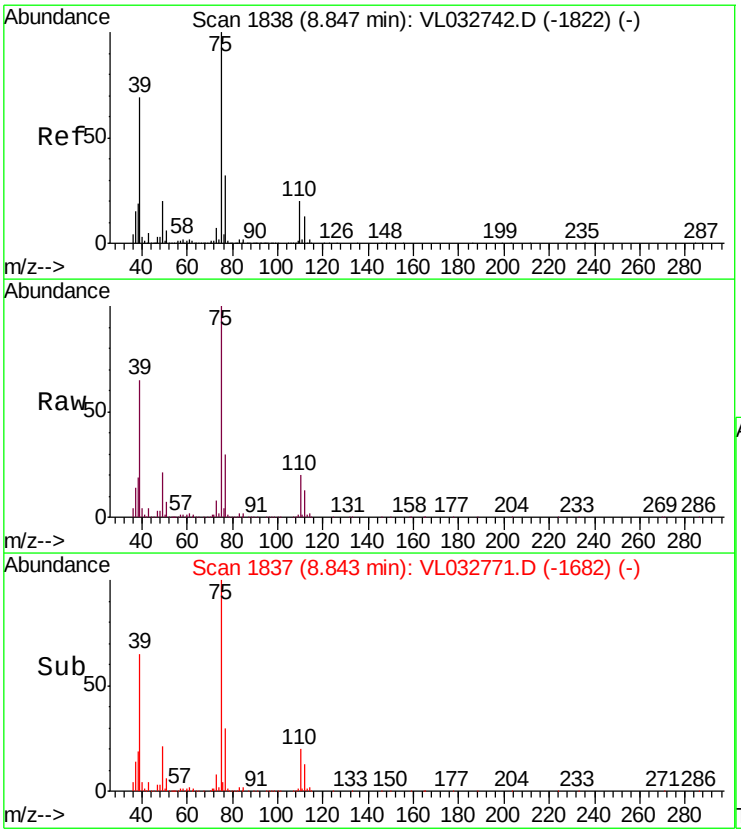
#45
t-1,3-Dichloropropene
Concen: 11.493 ppbv
RT: 9.42 min Scan# 2017
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS03

Tgt Ion: 75 Resp: 1820083

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.6	36.8

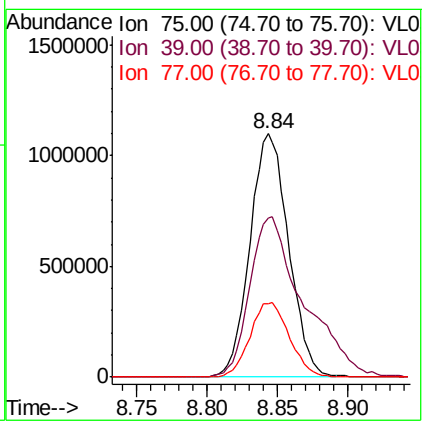


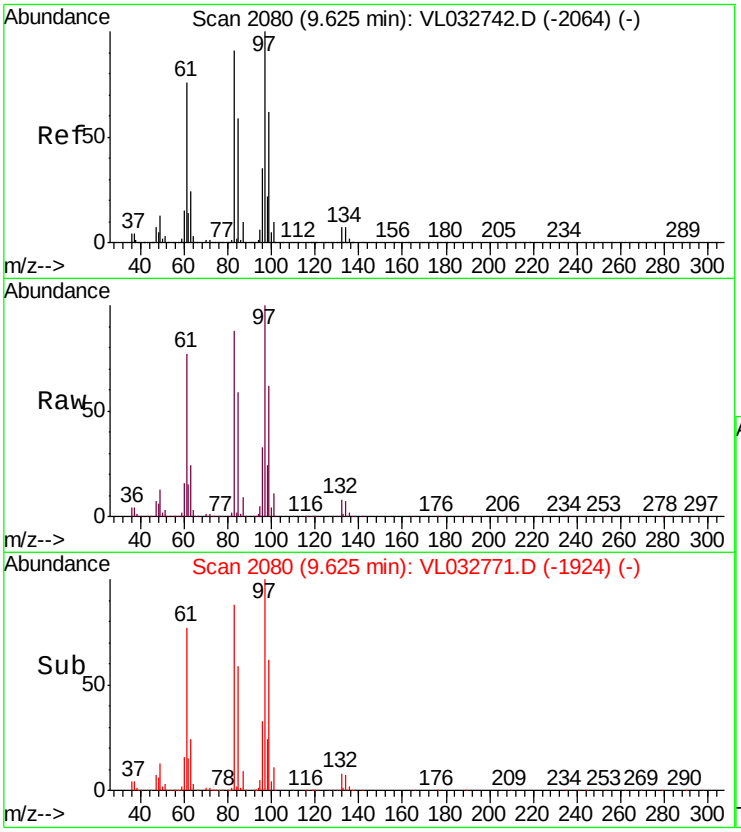


#46
cis-1,3-Dichloropropene
Concen: 11.017 ppbv
RT: 8.84 min Scan# 1837
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 75 Resp: 2107854

Ion	Ratio	Lower	Upper
75	100		
39	65.2	55.2	82.8
77	30.3	25.8	38.6



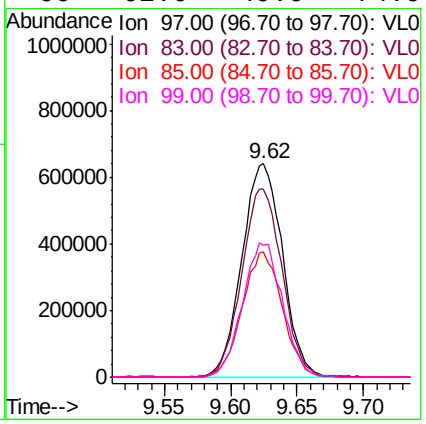


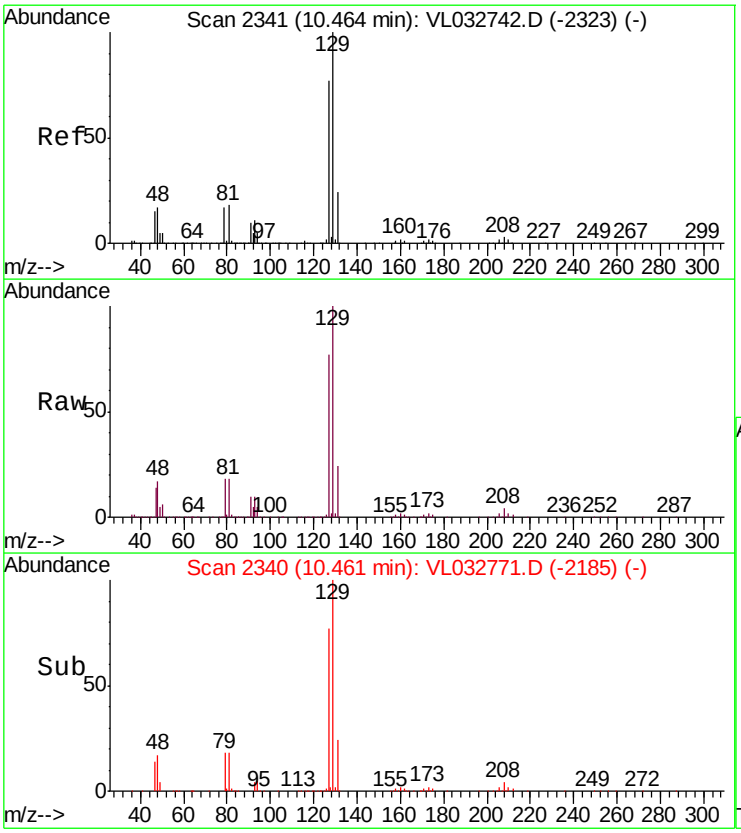
#47
1,1,2-Trichloroethane
Concen: 9.605 ppbv
RT: 9.62 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS03

Tgt Ion: 97 Resp: 1367945

Ion	Ratio	Lower	Upper
97	100		
83	87.9	73.0	109.4
85	58.3	47.0	70.4
99	62.0	49.9	74.9

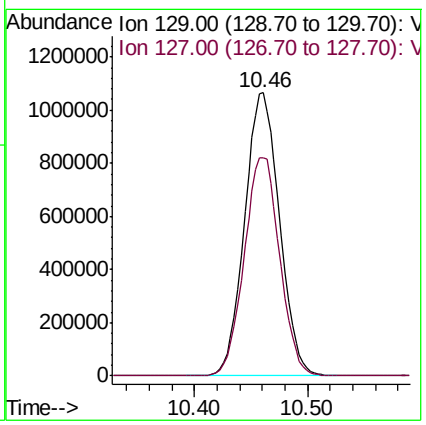


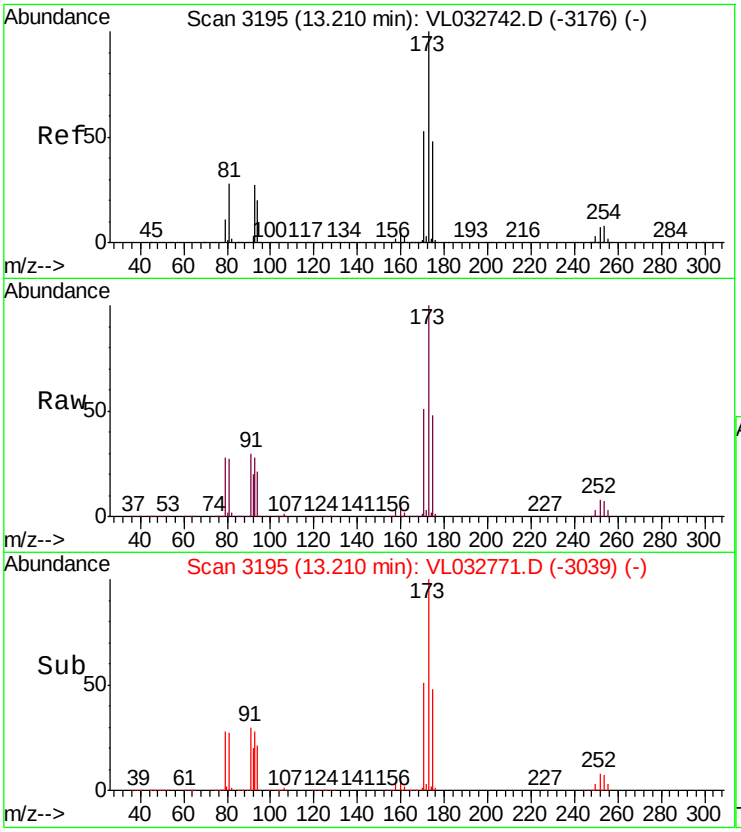


#48
Dibromochloromethane
Concen: 9.438 ppbv
RT: 10.46 min Scan# 2340
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion:129 Resp: 2284552

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.0	117.0



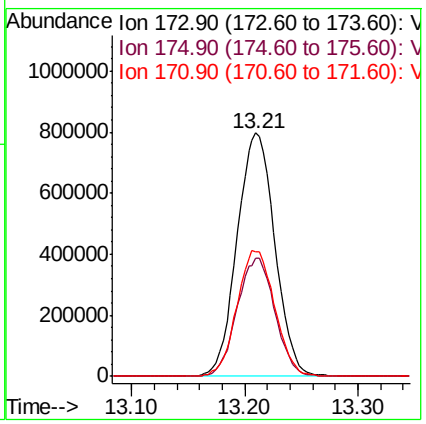


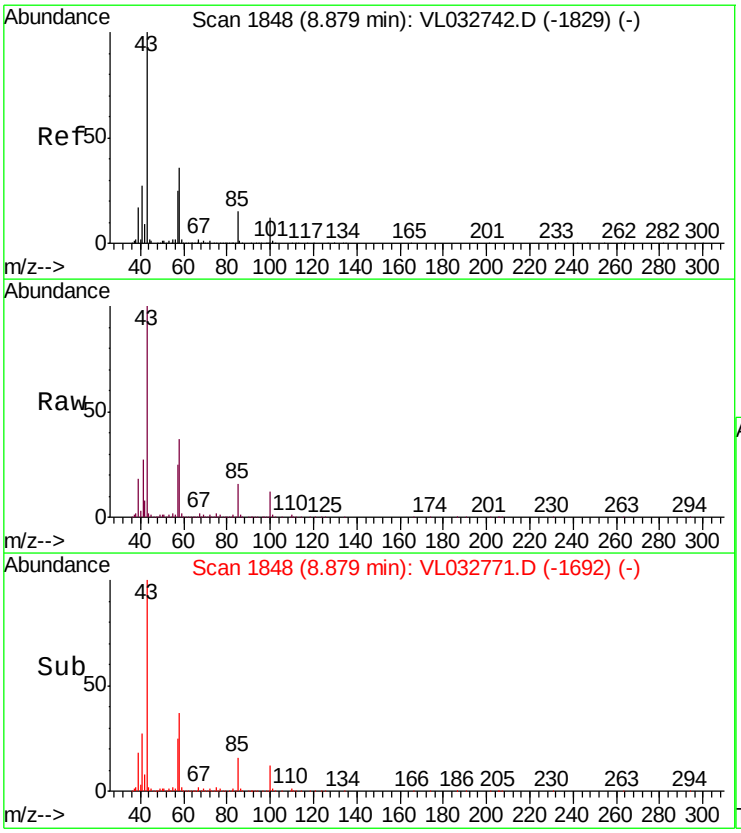
#49
Bromoform
Concen: 9.245 ppbv
RT: 13.21 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Tgt Ion:173 Resp: 1848215

Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.4	59.0
171	51.7	42.0	63.0

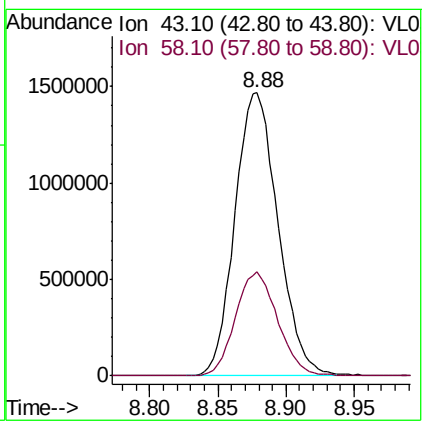


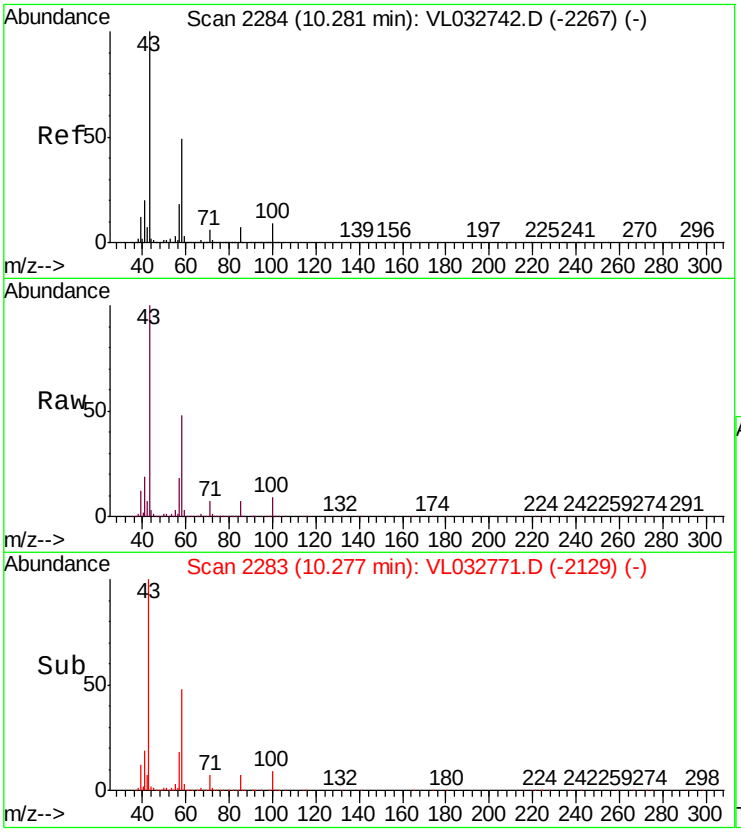


#50
4-Methyl-2-Pentanone
Concen: 10.013 ppbv
RT: 8.88 min Scan# 1848
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 43 Resp: 3220203

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.8	43.2



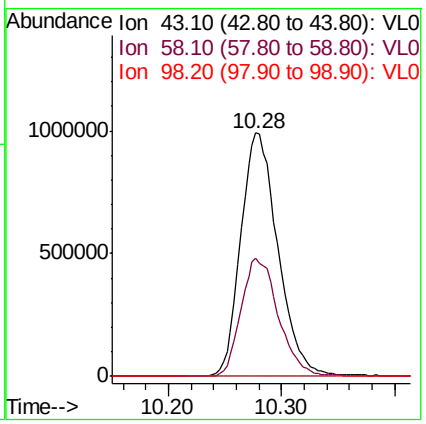


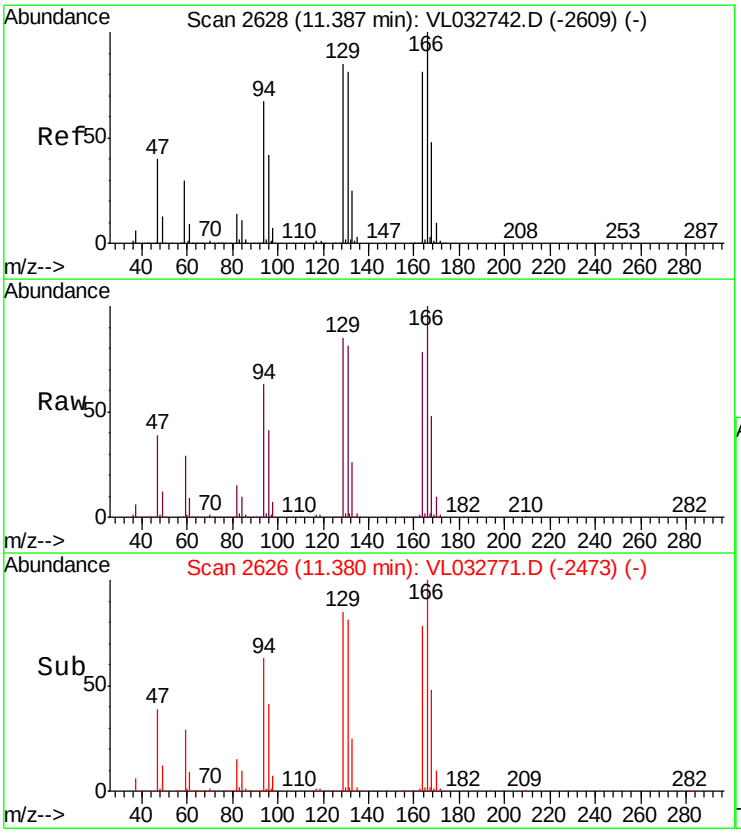
#51
2-Hexanone
Concen: 10.912 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Tgt Ion: 43 Resp: 2260878

Ion	Ratio	Lower	Upper
43	100		
58	48.9	38.9	58.3
98	0.2	0.2	0.4

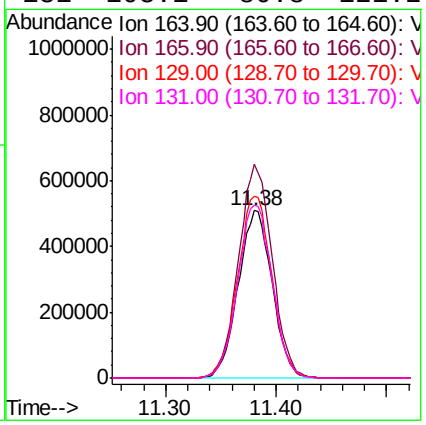


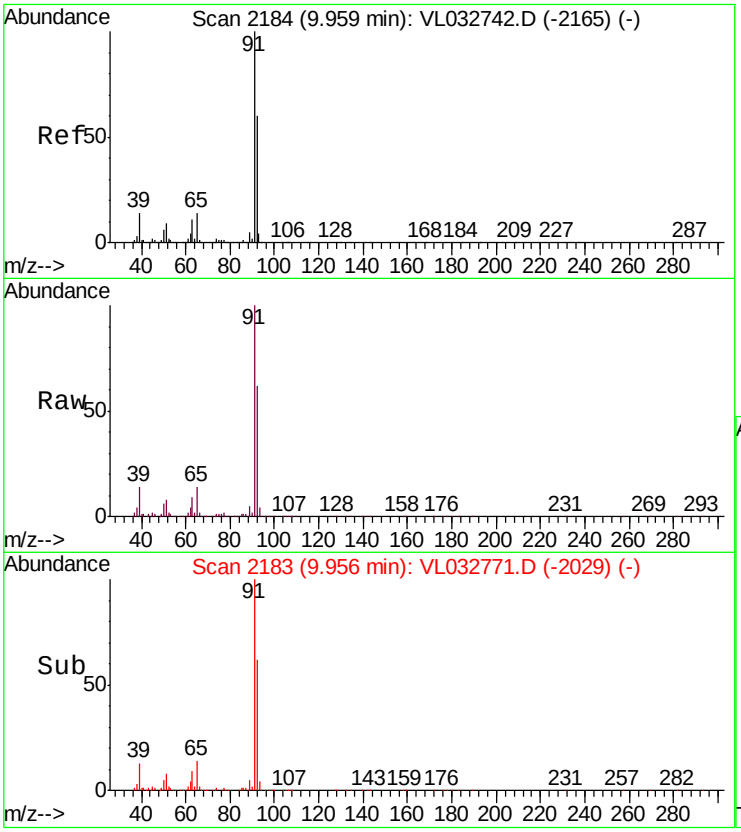


#52
Tetrachloroethene
Concen: 9.831 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. -0.01 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion:164 Resp: 1081132

Ion	Ratio	Lower	Upper
164	100		
166	127.9	99.3	148.9
129	108.8	83.9	125.9
131	103.1	80.8	121.2



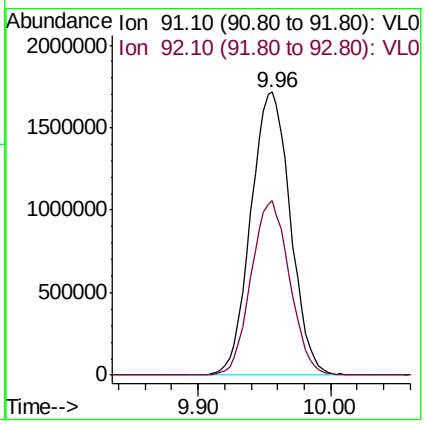


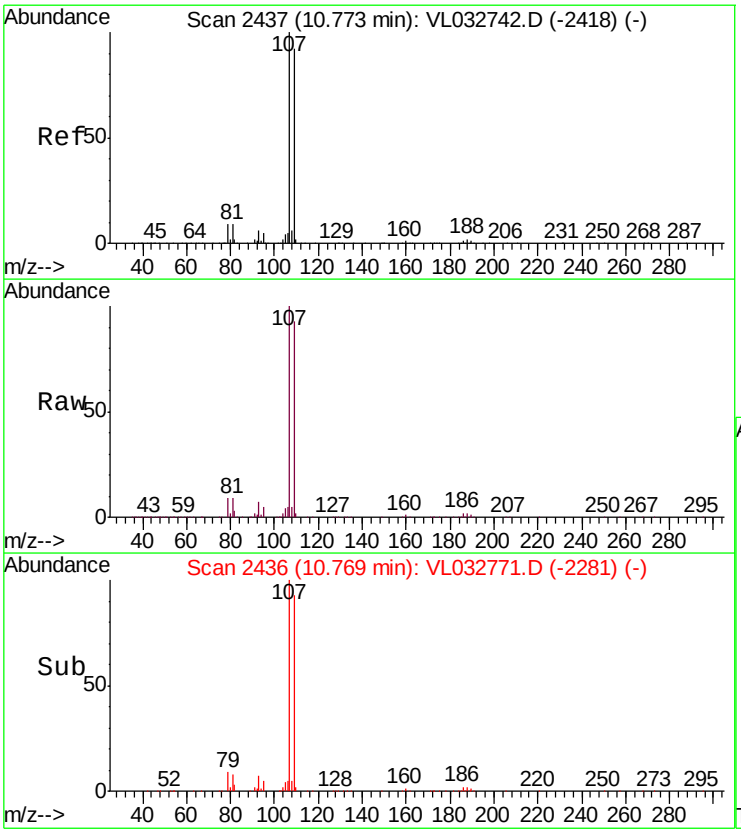
#53
Toluene
Concen: 10.822 ppbv
RT: 9.96 min Scan# 2183
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Tgt Ion: 91 Resp: 3568833

Ion	Ratio	Lower	Upper
91	100		
92	60.2	47.9	71.9

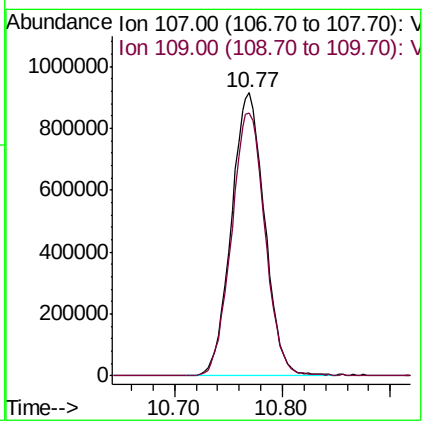


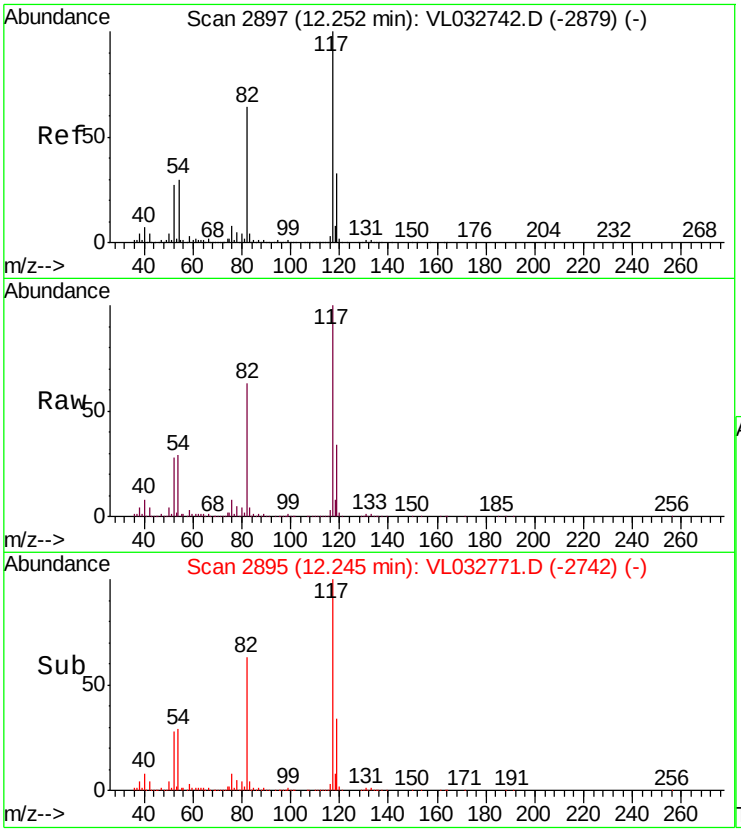


#54
1,2-Dibromoethane
Concen: 9.766 ppbv
RT: 10.77 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion:107 Resp: 1966145

Ion	Ratio	Lower	Upper
107	100		
109	92.8	73.8	110.8



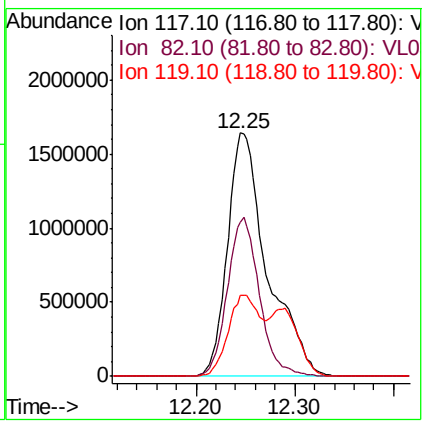


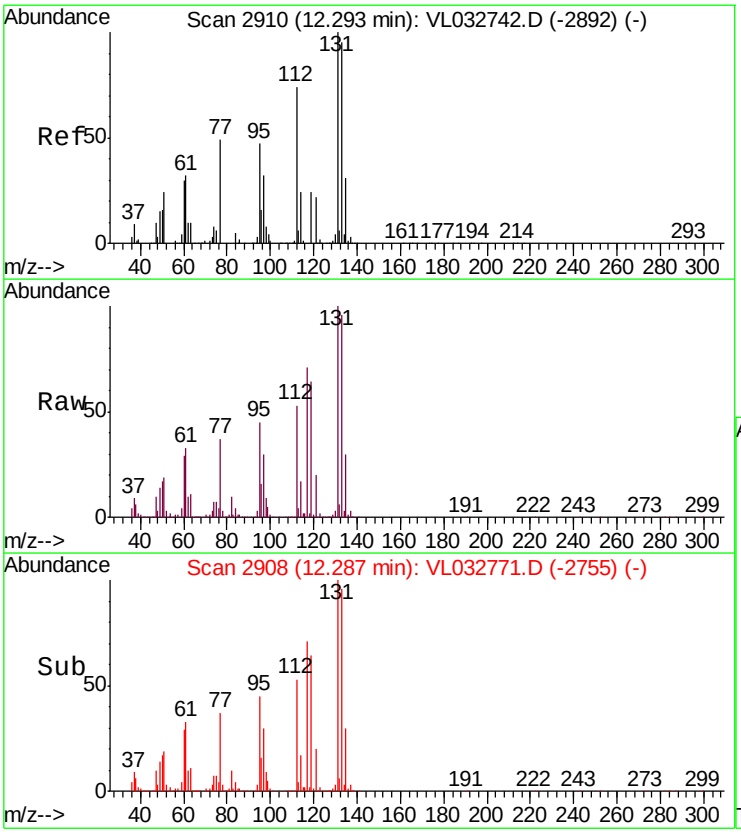
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS03

Tgt Ion:117 Resp: 4605991

Ion	Ratio	Lower	Upper
117	100		
82	52.8	51.0	76.6
119	47.3	28.0	42.0#

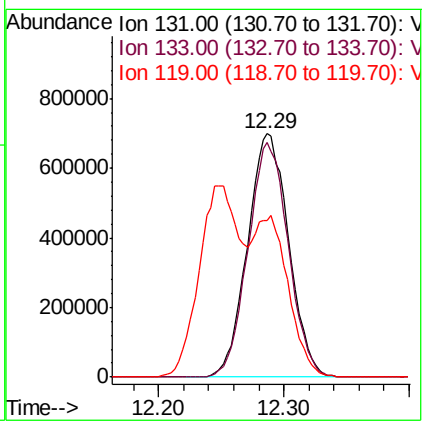


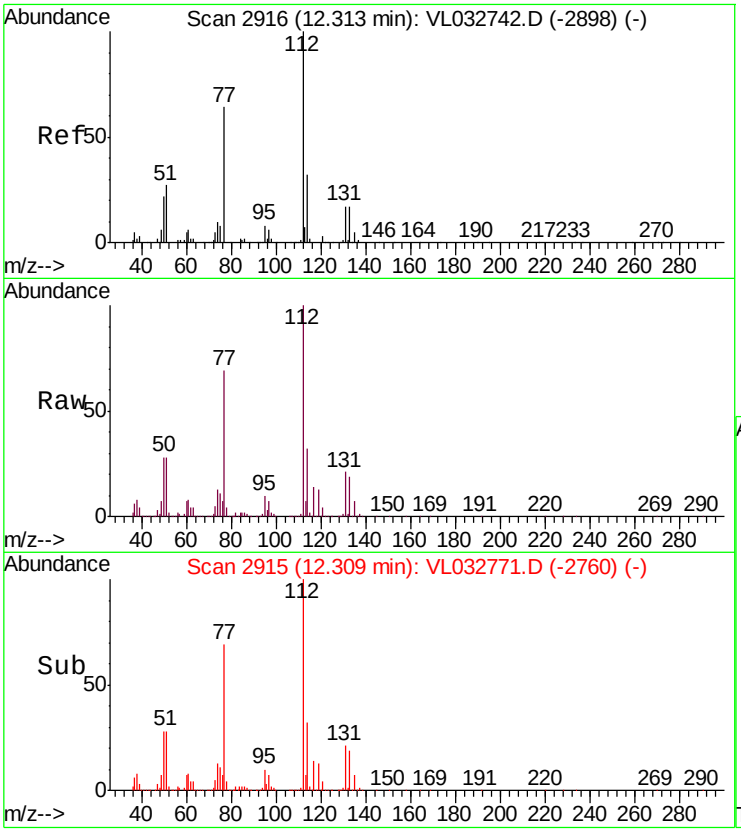


#56
1,1,1,2-Tetrachloroethane
Concen: 7.423 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. -0.01 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion:131 Resp: 1594617

Ion	Ratio	Lower	Upper
131	100		
133	94.5	75.8	113.6
119	57.5	45.2	67.8



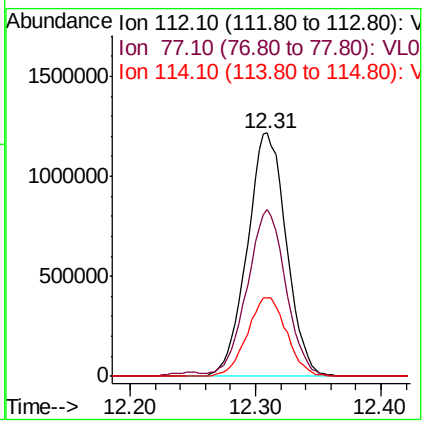


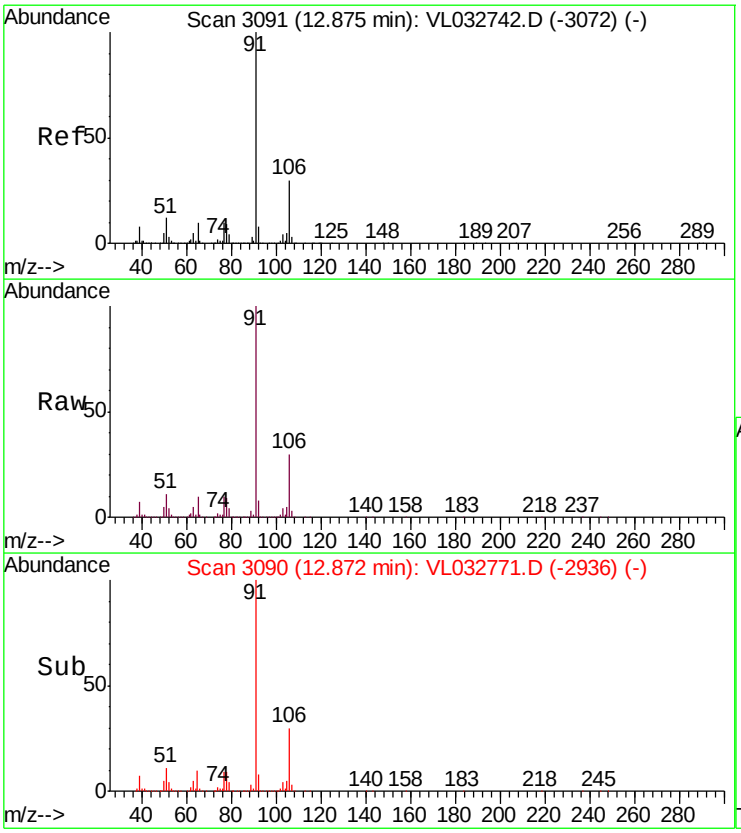
#57
Chlorobenzene
Concen: 7.481 ppbv
RT: 12.31 min Scan# 2915
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Tgt Ion:112 Resp: 2637628

Ion	Ratio	Lower	Upper
112	100		
77	68.4	52.3	78.5
114	32.3	28.4	34.8

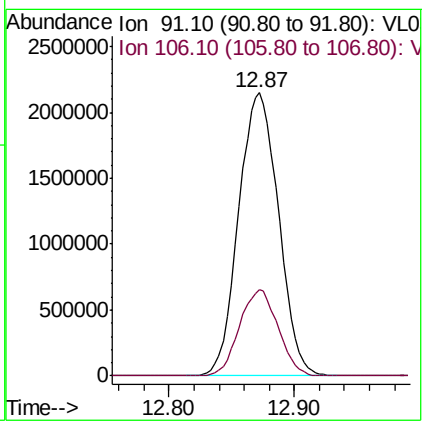


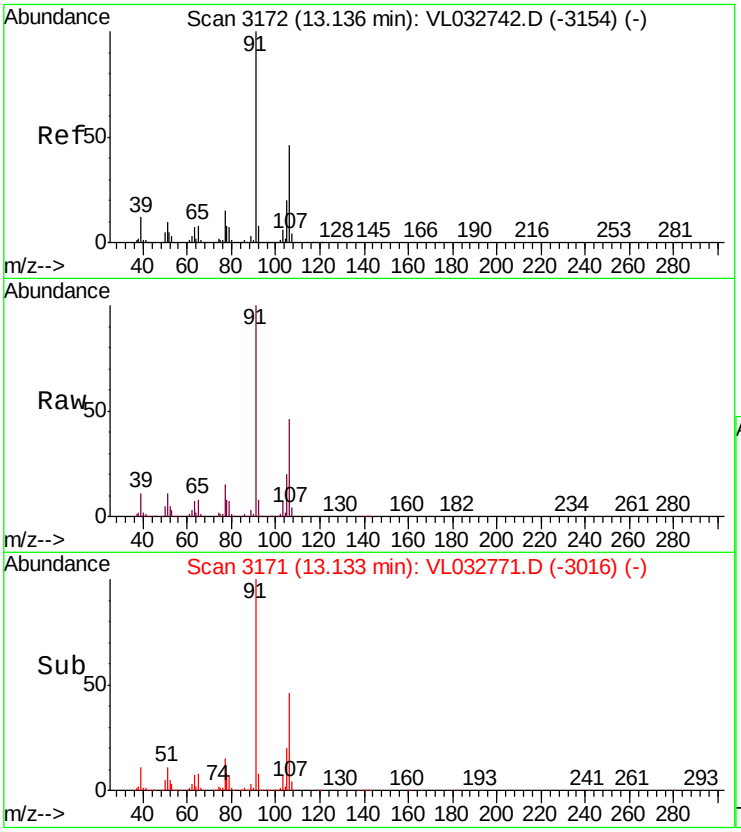


#58
Ethyl Benzene
Concen: 8.555 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 91 Resp: 4742418

Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.6	35.4



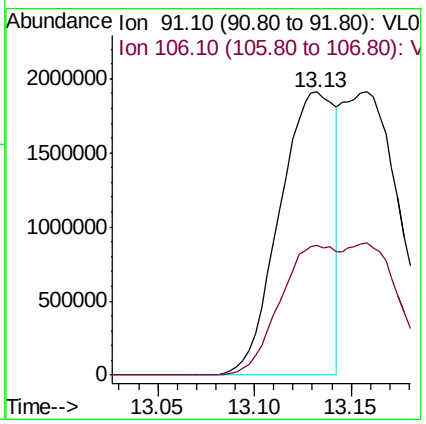


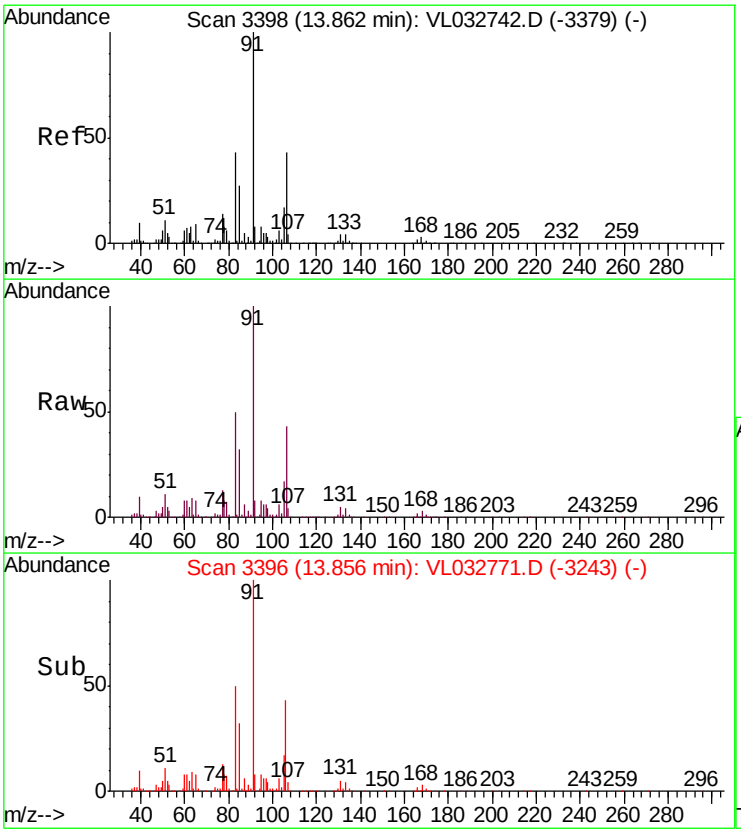
#59
m/p-Xylene
Concen: 7.680 ppbv
RT: 13.13 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Tgt Ion: 91 Resp: 3789835

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#

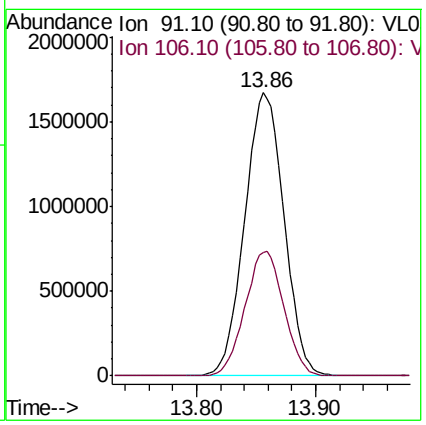


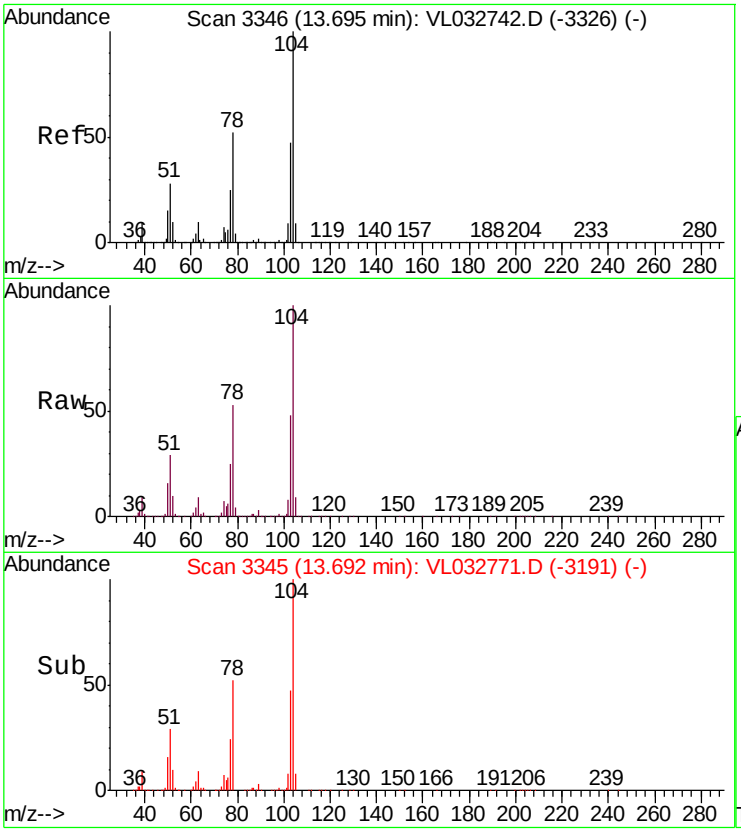


#60
o-Xylene
Concen: 7.688 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.01 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 91 Resp: 3814527

Ion	Ratio	Lower	Upper
91	100		
106	43.5	21.9	65.7



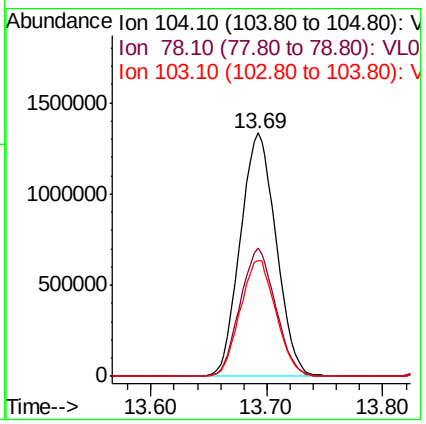


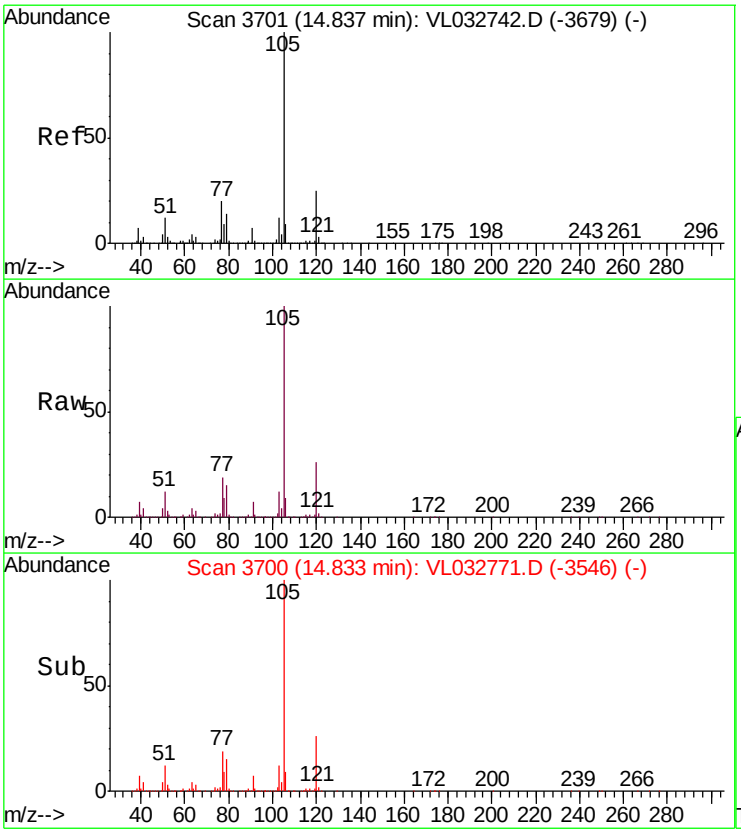
#61
Styrene
Concen: 8.869 ppbv
RT: 13.69 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Tgt Ion:104 Resp: 2864631

Ion	Ratio	Lower	Upper
104	100		
78	52.3	42.2	63.4
103	47.8	38.2	57.2

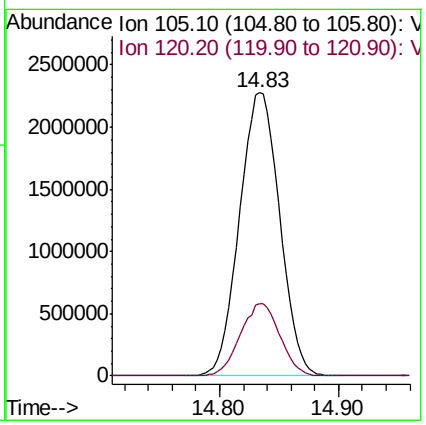


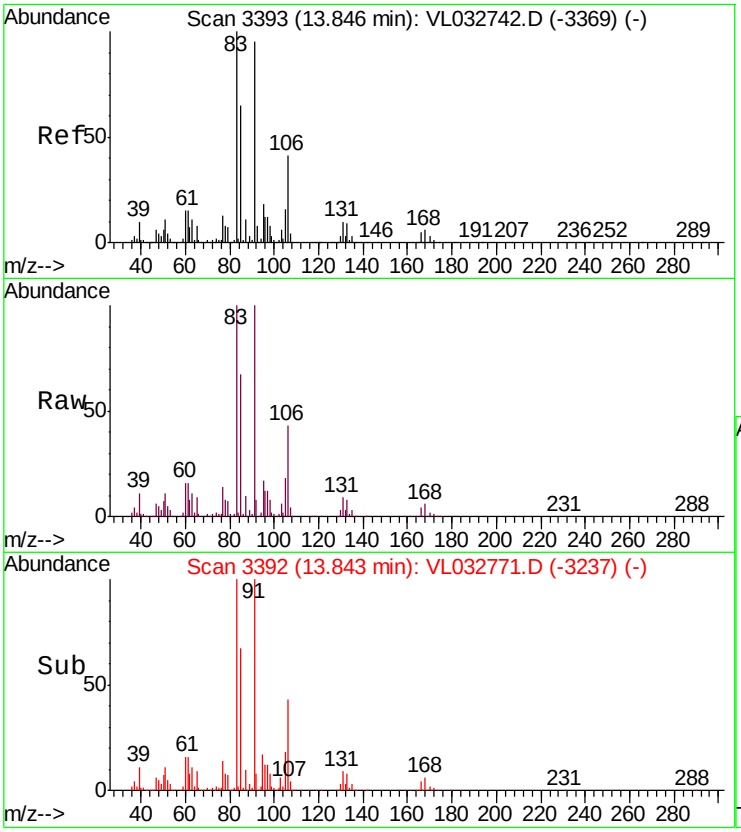


#62
Isopropylbenzene
Concen: 7.942 ppbv
RT: 14.83 min Scan# 3700
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion:105 Resp: 5326222

Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.1	30.1



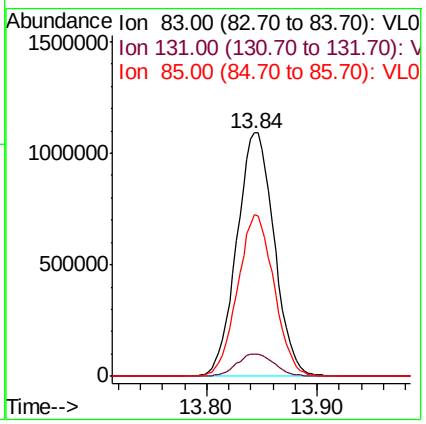


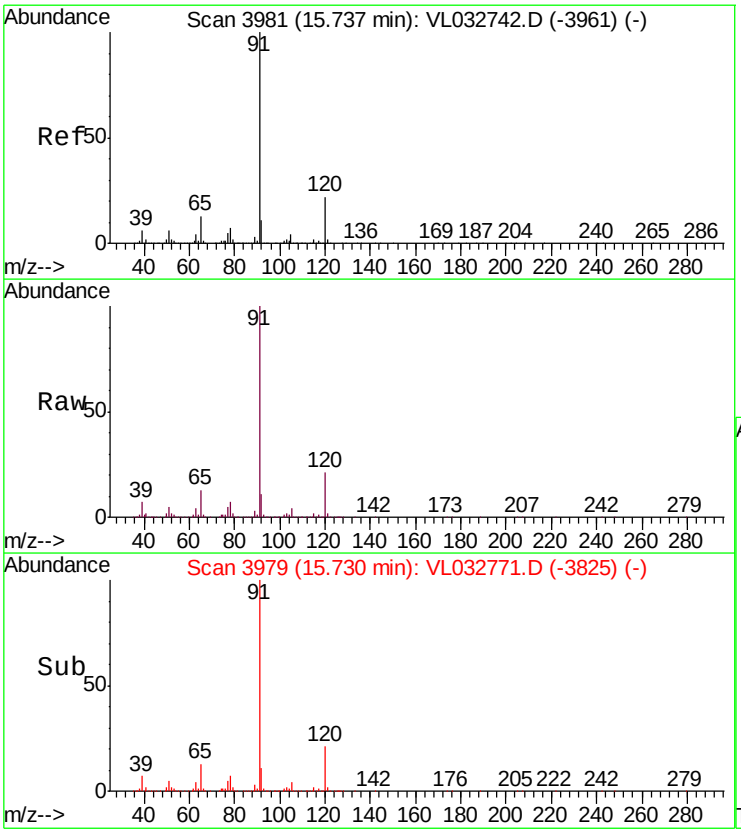
#63
1,1,2,2-Tetrachloroethane
Concen: 6.620 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Tgt Ion: 83 Resp: 2560378

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.1
85	65.0	32.5	97.4

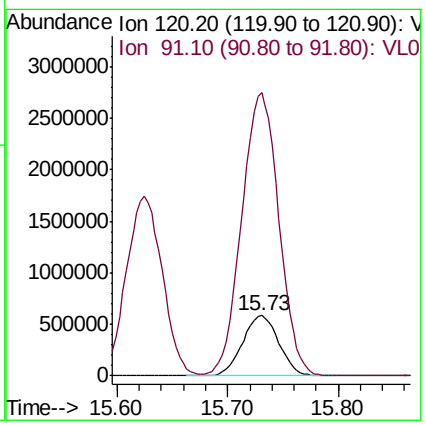


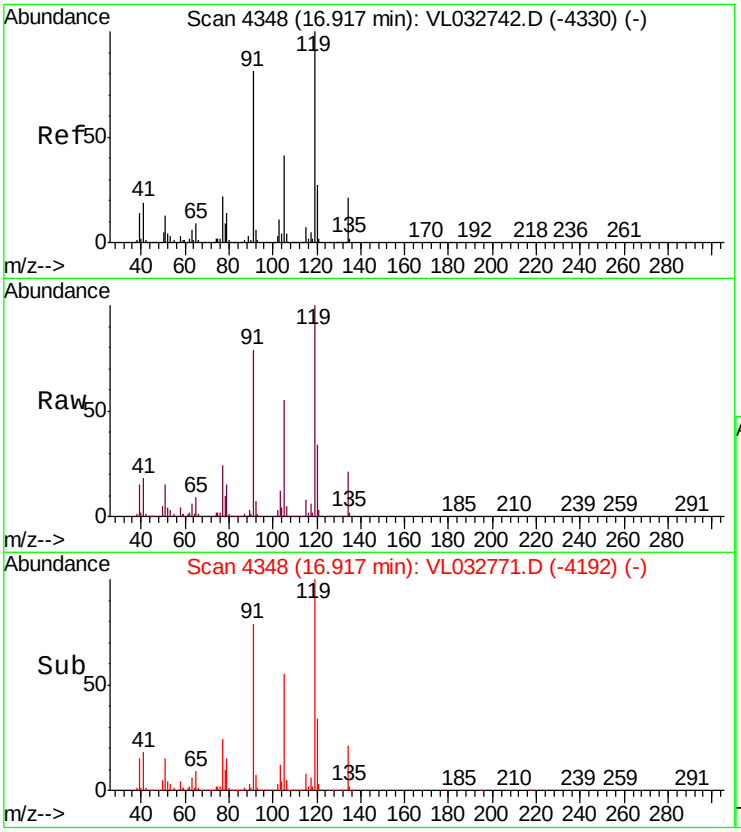


#64
n-propylbenzene
Concen: 7.556 ppbv
RT: 15.73 min Scan# 3979
Delta R.T. -0.01 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion:120 Resp: 1332841

Ion	Ratio	Lower	Upper
120	100		
91	481.8	381.7	572.5



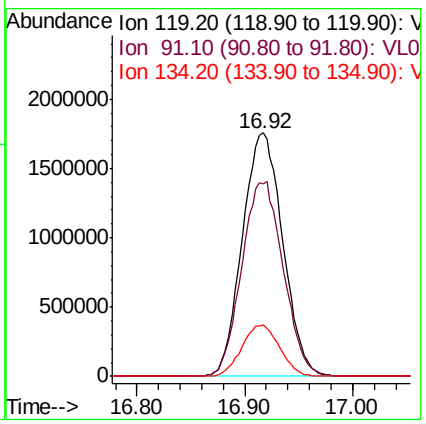


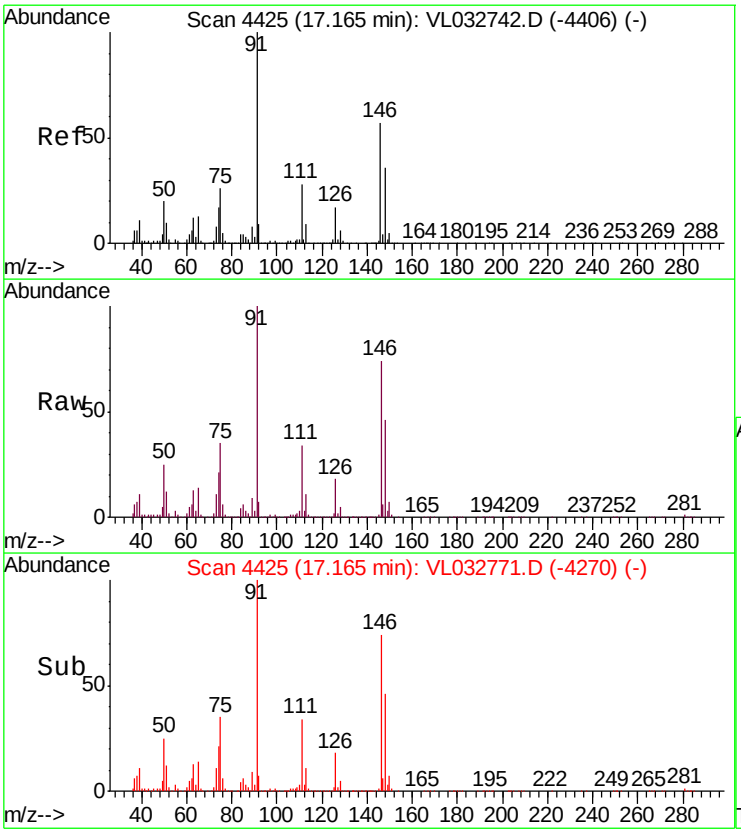
#65
tert-Butylbenzene
Concen: 7.599 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Tgt Ion:119 Resp: 4568539

Ion	Ratio	Lower	Upper
119	100		
91	82.3	65.6	98.4
134	19.9	15.9	23.9

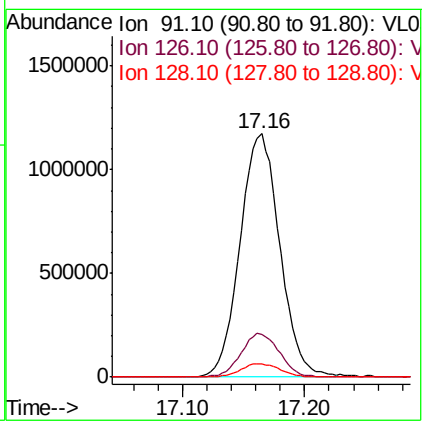


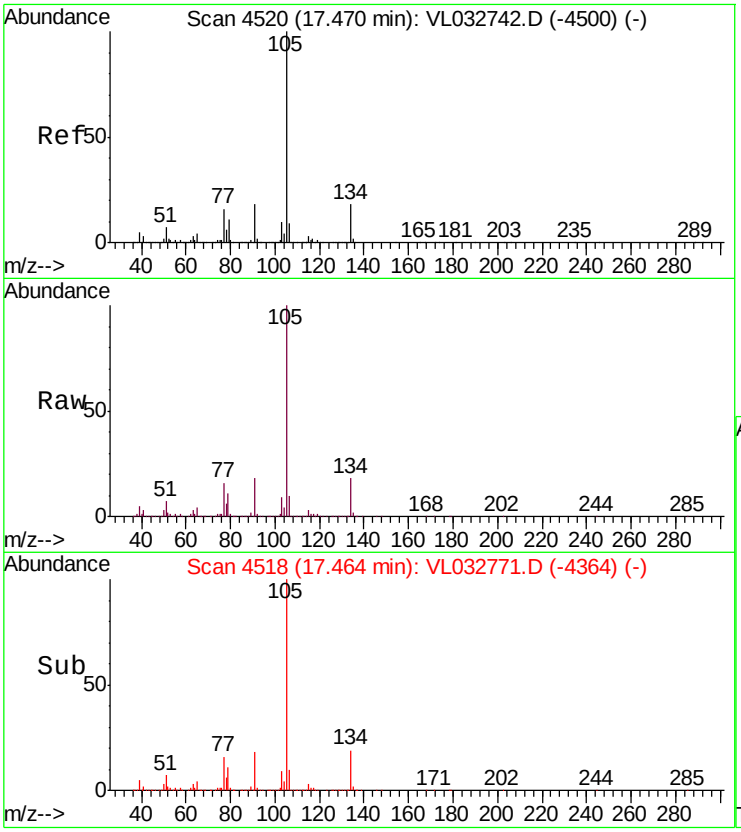


#66
Benzyl Chloride
Concen: 7.919 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 91 Resp: 2632097

Ion	Ratio	Lower	Upper
91	100		
126	17.6	14.2	21.2
128	5.6	4.5	6.7



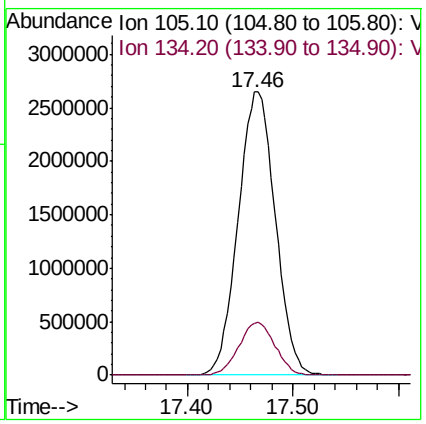


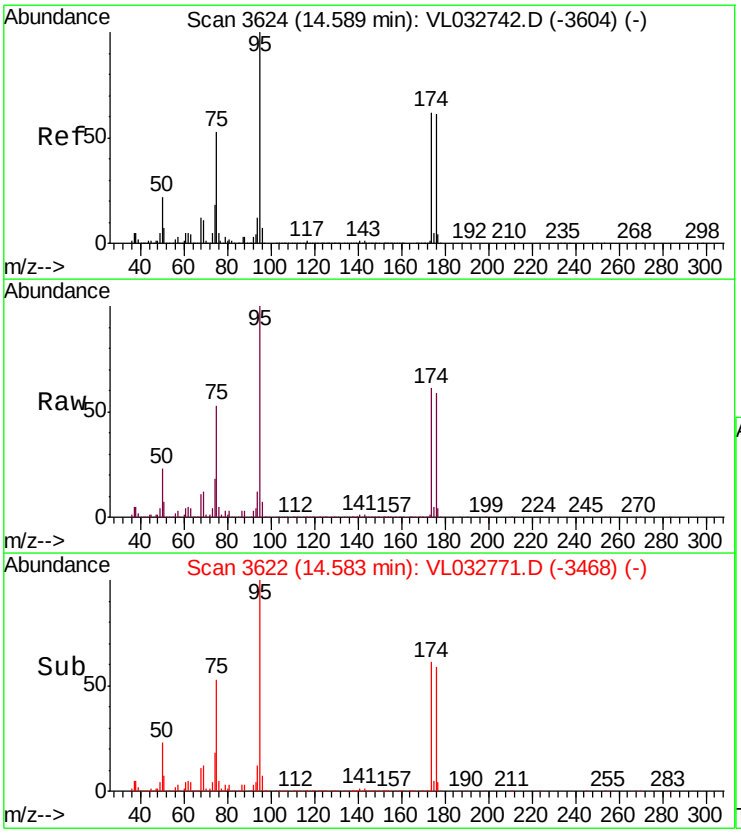
#67
sec-Butylbenzene
Concen: 7.486 ppbv
RT: 17.46 min Scan# 4518
Delta R.T. -0.01 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Tgt Ion:105 Resp: 6485912

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.6	21.8

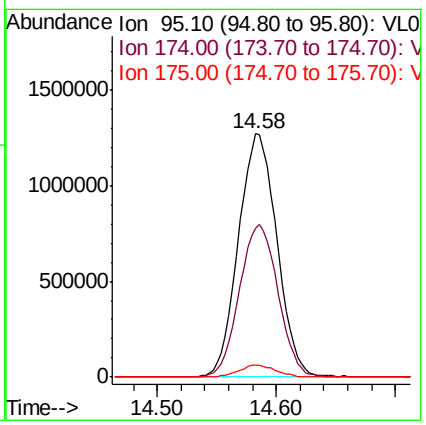


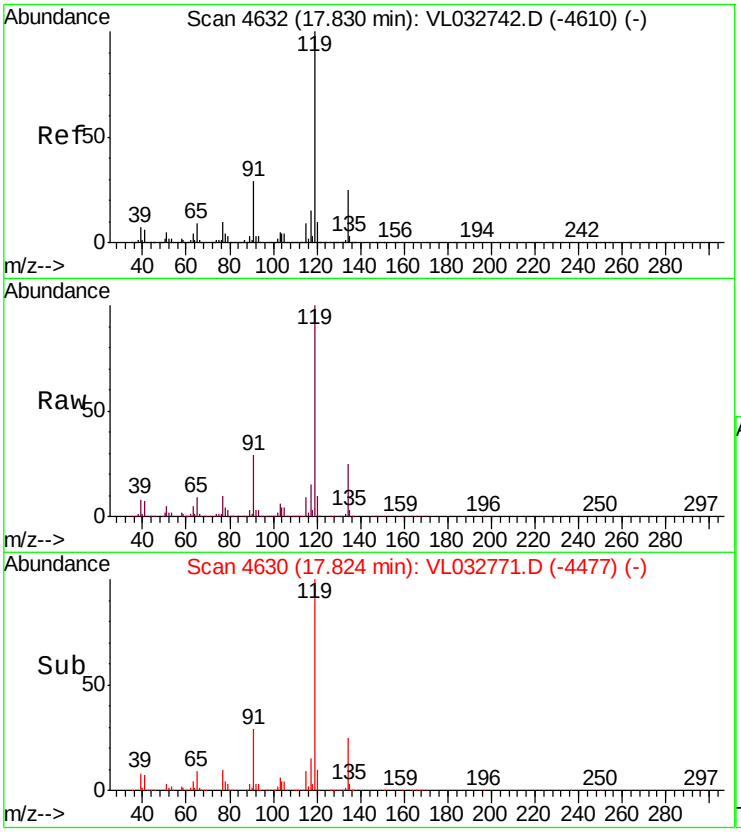


#68
1-Bromo-4-Fluorobenzene
Concen: 8.260 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 95 Resp: 2845672

Ion	Ratio	Lower	Upper
95	100		
174	63.4	50.7	76.1
175	4.7	3.8	5.6



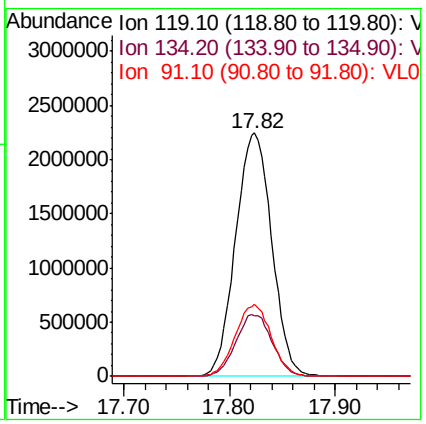


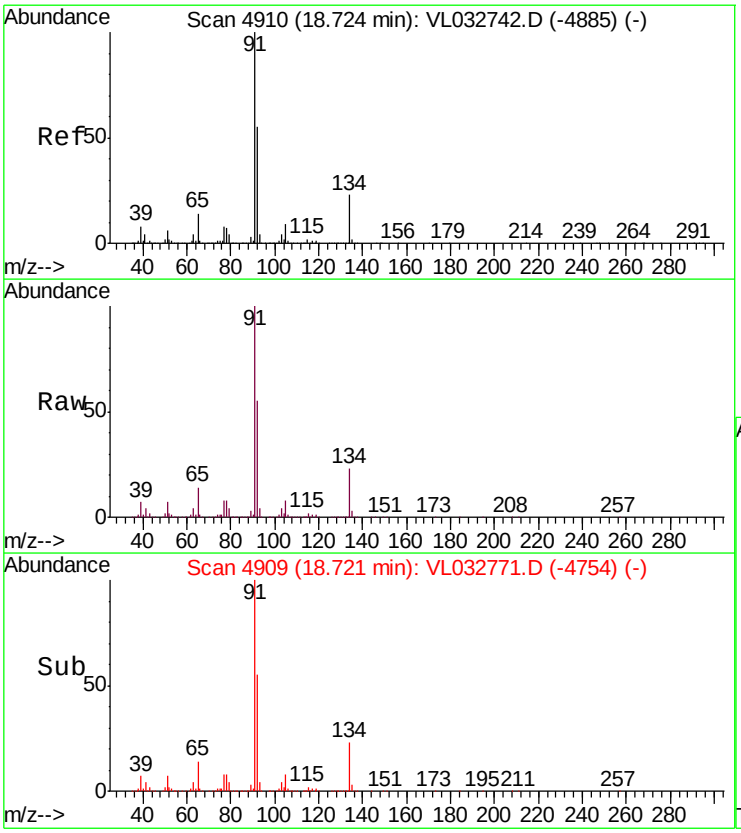
#69
p-Isopropyltoluene
Concen: 7.775 ppbv
RT: 17.82 min Scan# 4630
Delta R.T. -0.01 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Tgt Ion:119 Resp: 5356304

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.2	30.4
91	29.2	23.5	35.3

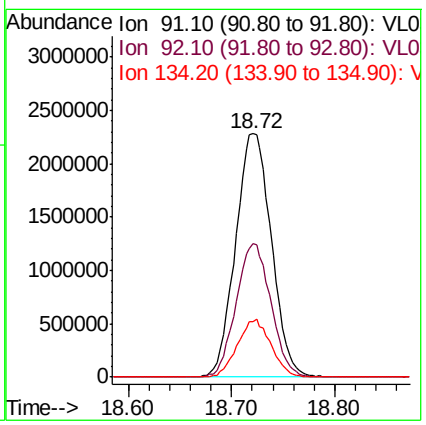


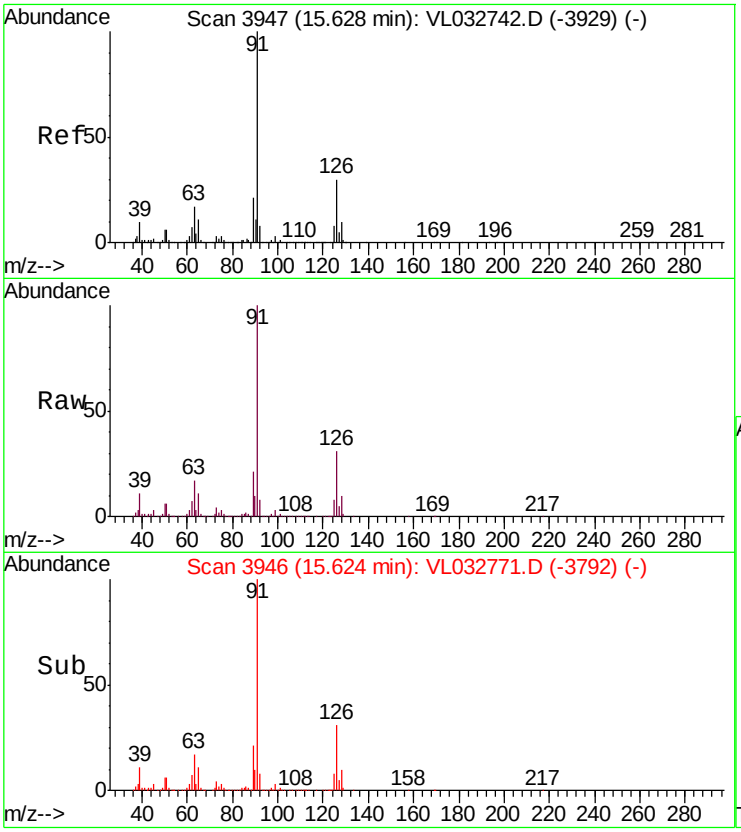


#70
n-Butylbenzene
Concen: 7.869 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion: 91 Resp: 5504640

Ion	Ratio	Lower	Upper
91	100		
92	53.5	42.9	64.3
134	22.2	17.8	26.8



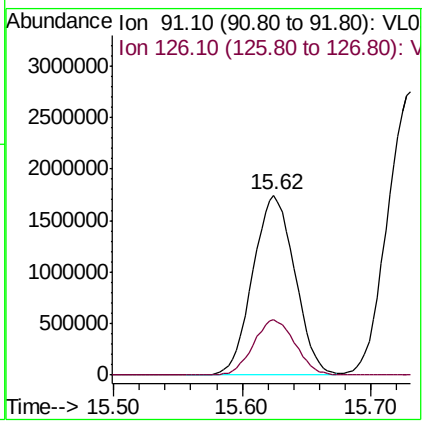


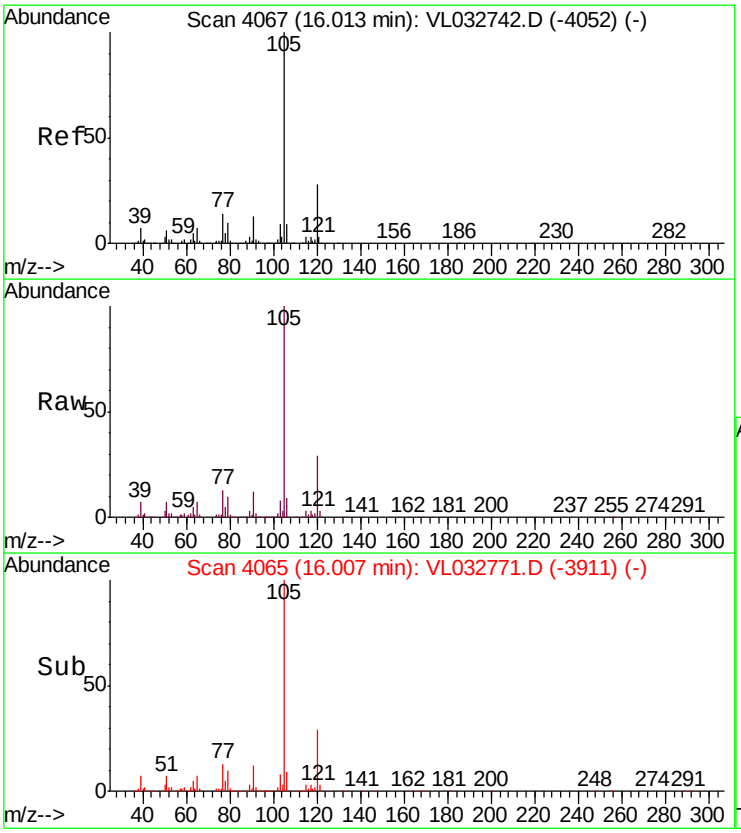
#71
2-Chlorotoluene
Concen: 7.918 ppbv
RT: 15.62 min Scan# 3946
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Tgt Ion: 91 Resp: 3960317

Ion	Ratio	Lower	Upper
91	100		
126	30.6	12.1	48.5

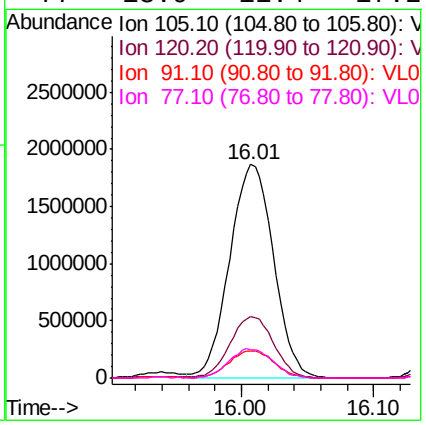


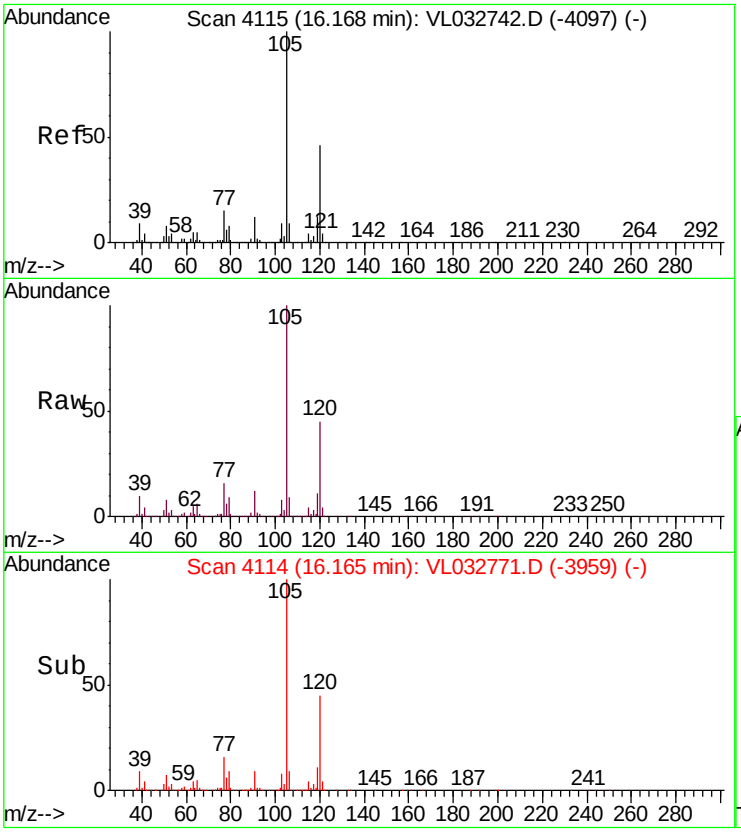


#72
4-Ethyltoluene
Concen: 7.895 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.01 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion:105 Resp: 4293755

Ion	Ratio	Lower	Upper
105	100		
120	28.6	22.9	34.3
91	13.0	10.6	15.8
77	13.9	11.4	17.2



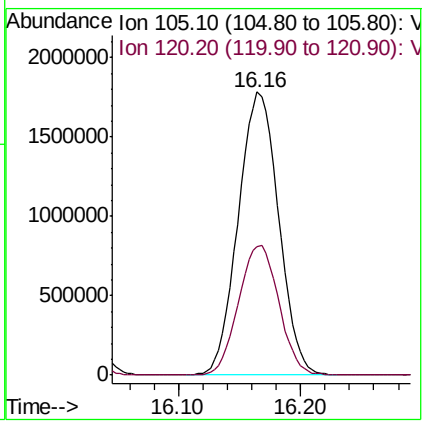


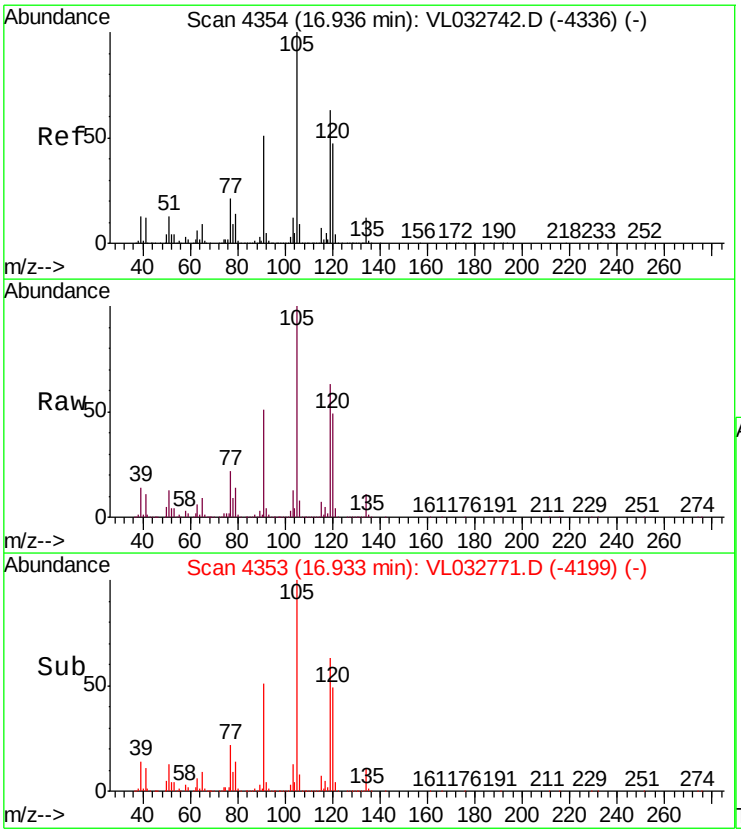
#73
1,3,5-Trimethylbenzene
Concen: 7.677 ppbv
RT: 16.16 min Scan# 4114
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS03

Tgt Ion:105 Resp: 4082067

Ion	Ratio	Lower	Upper
105	100		
120	45.4	36.6	55.0

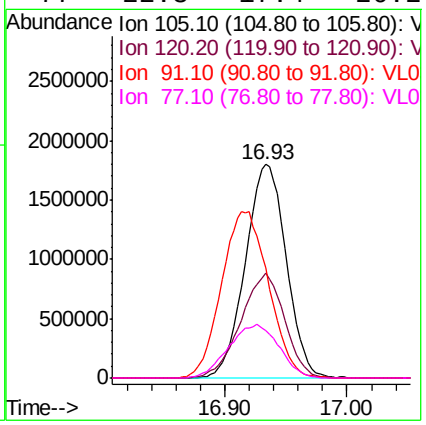


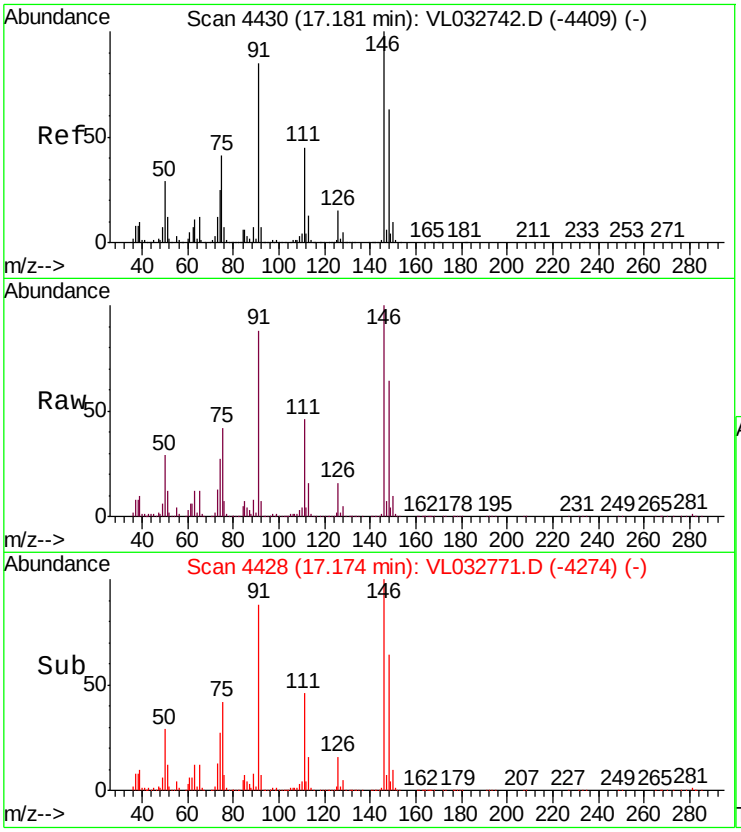


#74
1,2,4-Trimethylbenzene
Concen: 7.321 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion:105 Resp: 4165748

Ion	Ratio	Lower	Upper
105	100		
120	48.9	37.6	56.4
91	51.2	42.5	63.7
77	22.3	17.4	26.2



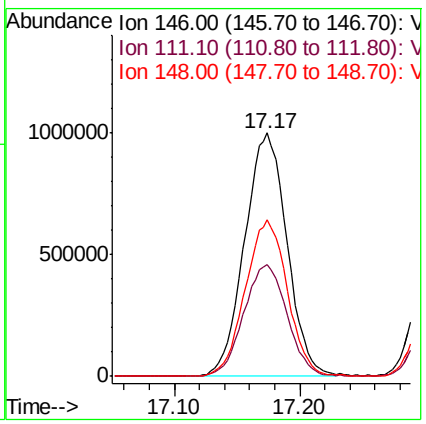


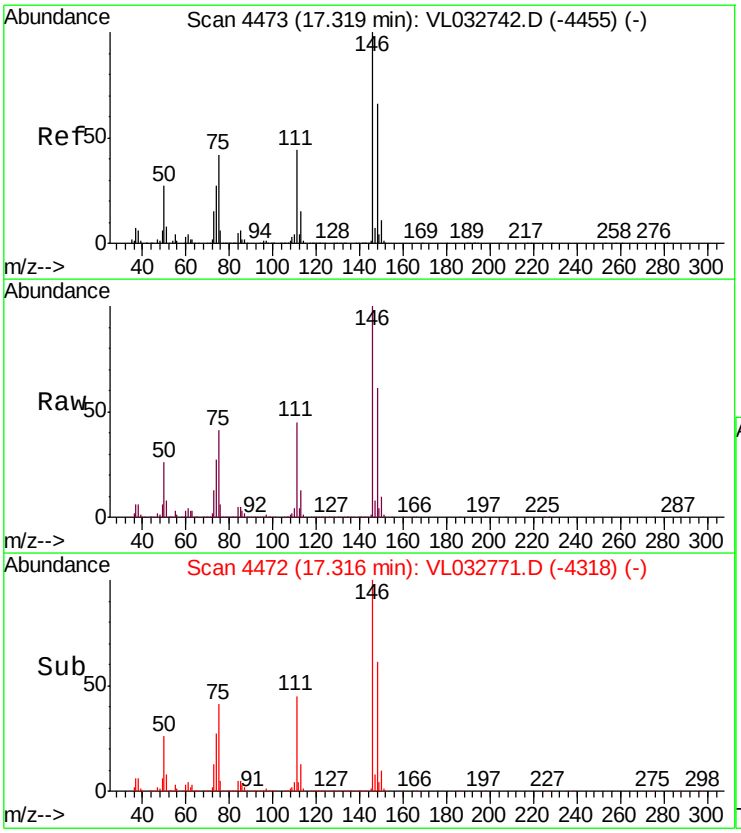
#75
1,3-Dichlorobenzene
Concen: 7.183 ppbv
RT: 17.17 min Scan# 4428
Delta R.T. -0.01 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS03

Tgt Ion:146 Resp: 2344376

Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.5	70.6
148	64.2	31.8	95.3

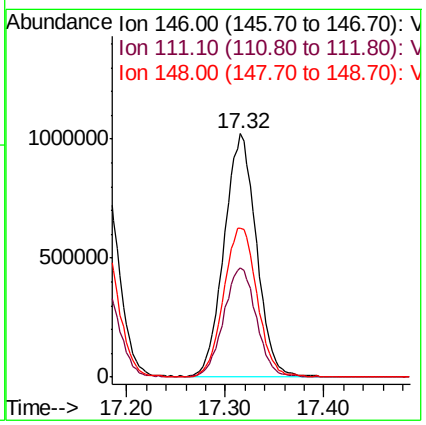


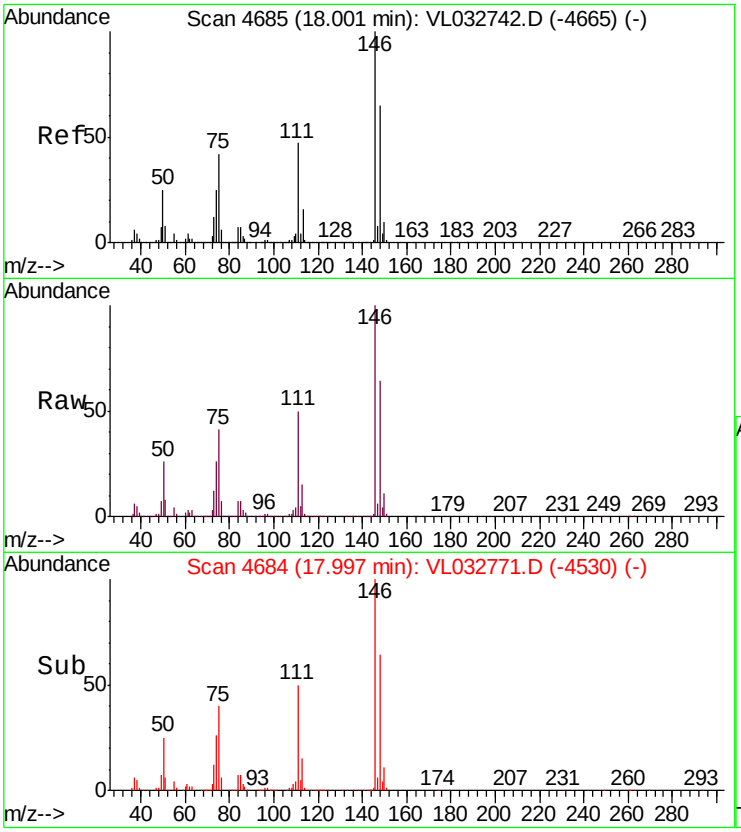


#76
1,4-Dichlorobenzene
Concen: 7.634 ppbv
RT: 17.32 min Scan# 4472
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion:146 Resp: 2327505

Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.5	67.5
148	63.7	32.5	97.5



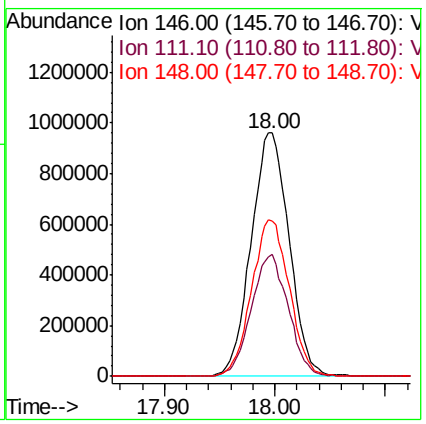


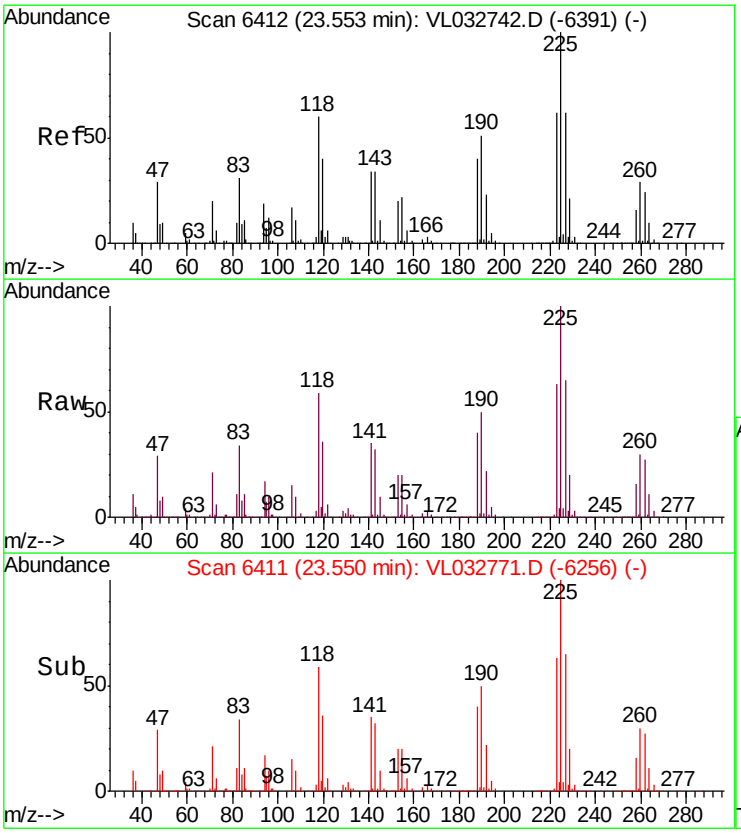
#77
1,2-Dichlorobenzene
Concen: 7.590 ppbv
RT: 18.00 min Scan# 4684
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument : MSVOA_L
ClientSampleId : VL1114ABS03

Tgt Ion:146 Resp: 2291881

Ion	Ratio	Lower	Upper
146	100		
111	48.9	24.4	73.2
148	63.9	32.2	96.6

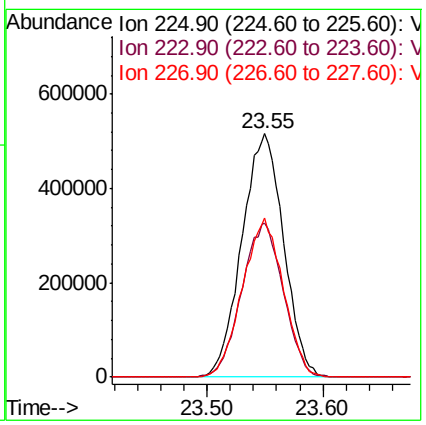


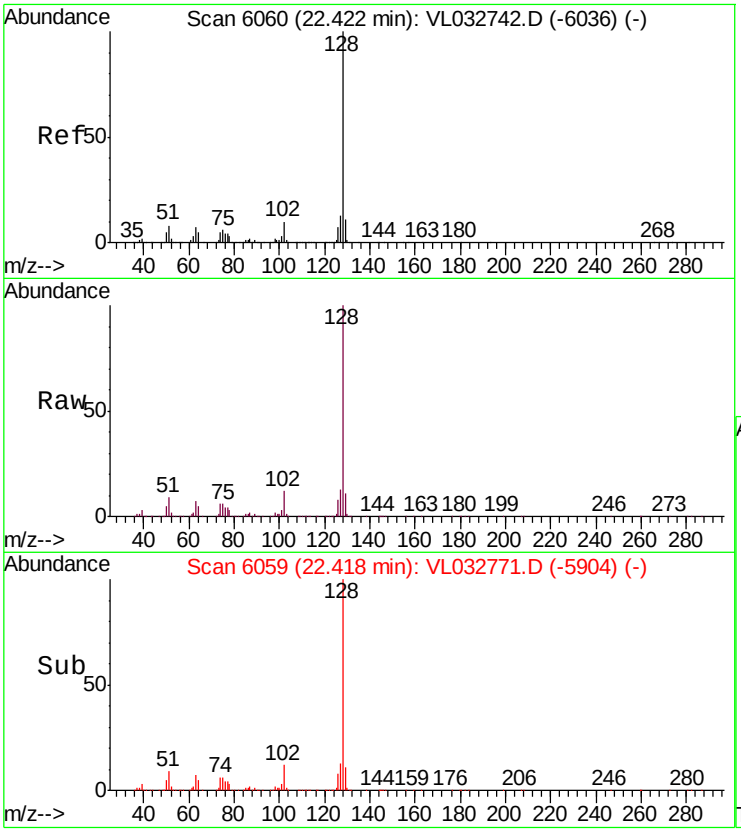


#78
Hexachloro-1,3-Butadiene
Concen: 7.913 ppbv
RT: 23.55 min Scan# 6411
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion:225 Resp: 1289540

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.3	75.5
227	63.8	50.2	75.4



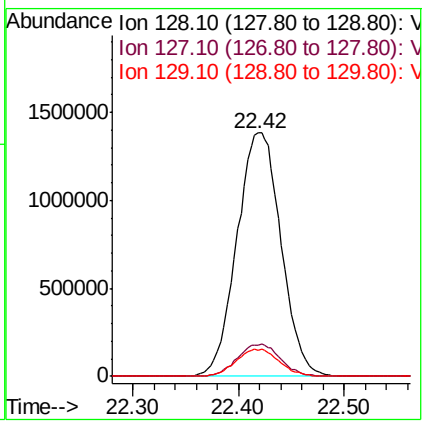


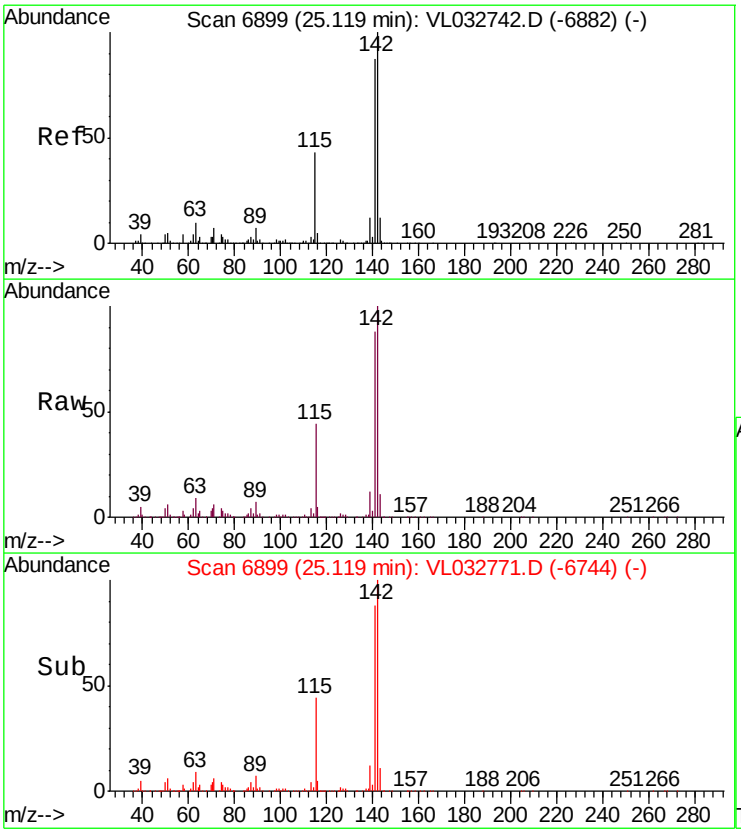
#79
Naphthalene
Concen: 10.698 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS03

Tgt Ion:128 Resp: 3998874

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	10.9	8.9	13.3

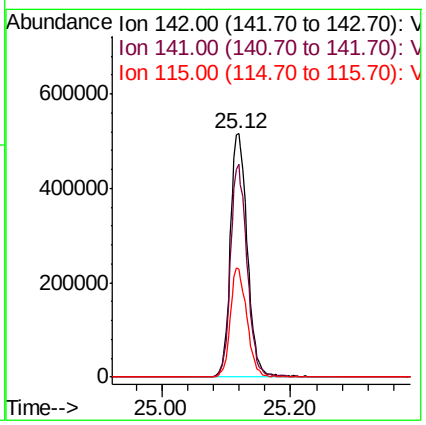


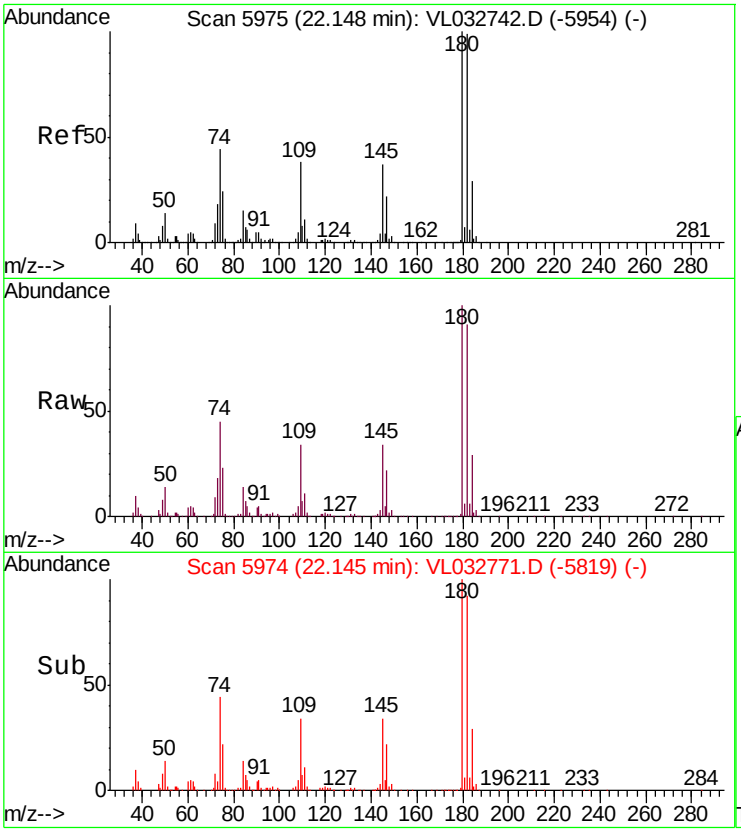


#80
Naphthalene,2-methyl-
Concen: 10.029 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Tgt Ion:142 Resp: 938896

Ion	Ratio	Lower	Upper
142	100		
141	85.2	68.7	103.1
115	43.8	35.5	53.3





#81
1,2,4-Trichlorobenzene
Concen: 9.957 ppbv
RT: 22.15 min Scan# 5974
Delta R.T. -0.00 min
Lab File: VL032771.D
Acq: 14 Nov 2018 23:02

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS03

Tgt Ion:180 Resp: 1869060

Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.3	115.9
184	30.8	24.2	36.4