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

Quantitation Report (Not Reviewed)

Data File : VL032751.D
Acq On : 14 Nov 2018 9:32
Operator : SY/AP
Sample : VL1114ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Quant Time: Nov 15 04:51:56 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	1564971	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3996105	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	4667041	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2882929	8.26	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 82.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1921161	8.540	ppbv	99
3) Chlorodifluoromethane	3.02	51	1121300	9.038	ppbv	99
4) Chloromethane	3.17	50	616095	8.955	ppbv	99
5) Vinyl Chloride	3.30	62	631041	8.656	ppbv	98
6) Bromomethane	3.52	94	411731	9.233	ppbv	91
7) Chloroethane	3.61	64	235800	8.975	ppbv	91
8) Dichlorotetrafluoroethane	3.23	85	1554218	8.768	ppbv	100
9) Propene	3.04	41	453722	9.138	ppbv	98
10) Heptane	8.25	43	1904862	10.049	ppbv	99
11) Trichlorofluoromethane	4.01	101	2111038	9.958	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1777323	10.264	ppbv	100
13) Ethanol	3.66	45	109522	6.734	ppbv	95
14) Bromoethene	3.80	108	522766	9.100	ppbv	100
15) Acetone	3.91	43	1109190	7.761	ppbv	99
16) 1,3-Butadiene	3.37	39	556529	10.055	ppbv	98
17) tert-Butyl alcohol	4.36	59	454121	10.131	ppbv	99
18) 1,1-Dichloroethene	4.36	96	815091	9.572	ppbv	92
19) Isopropyl Alcohol	4.03	45	981782	10.312	ppbv	99
20) Methylene Chloride	4.42	84	685325	9.263	ppbv	95
21) Allyl Chloride	4.49	41	1312458	10.928	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	744113	8.949	ppbv	99
23) Vinyl Acetate	5.16	43	2560492	9.828	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1935956	9.347	ppbv	99
25) Ethyl Acetate	5.78	43	3120557	9.368	ppbv	100
26) Hexane	5.79	57	1431619	9.655	ppbv	99
27) Carbon Disulfide	4.63	76	2053197	10.920	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2379156	10.062	ppbv	100
29) Chloroform	5.86	83	2408583	9.114	ppbv	93
30) Cyclohexane	7.25	84	1297900	10.008	ppbv	99
31) cis-1,2-Dichloroethene	5.65	61	1499432	10.058	ppbv	95
32) 1,1,1-Trichloroethane	6.63	97	2568423	8.866	ppbv	99
34) 2-Butanone	5.34	43	2020997	9.751	ppbv	100
35) Carbon Tetrachloride	7.14	117	2809194	8.745	ppbv	99
36) Benzene	7.01	78	3104093	9.755	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1991386	9.296	ppbv	100
38) Trichloroethene	7.97	130	1231067	9.559	ppbv	98
39) 1,2-Dichloropropane	7.75	63	1168060	9.634	ppbv	100
40) 1,4-Dioxane	7.96	88	416663	9.622	ppbv	96
41) Tetrahydrofuran	6.16	42	1209919	10.177	ppbv	99
42) Bromodichloromethane	7.93	83	2737243	9.426	ppbv	98
43) Methyl Methacrylate	8.15	69	1249069	10.514	ppbv	99

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

Quantitation Report (Not Reviewed)

Data File : VL032751.D
Acq On : 14 Nov 2018 9:32
Operator : SY/AP
Sample : VL1114ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Quant Time: Nov 15 04:51:56 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	5165185	9.713	ppbv		99
45) t-1,3-Dichloropropene	9.43	75	1845799	11.579	ppbv		97
46) cis-1,3-Dichloropropene	8.85	75	2109911	10.955	ppbv		97
47) 1,1,2-Trichloroethane	9.62	97	1345254	9.383	ppbv		96
48) Dibromochloromethane	10.46	129	2419834	9.931	ppbv		99
49) Bromoform	13.21	173	1856518	9.226	ppbv		99
50) 4-Methyl-2-Pentanone	8.88	43	3268342	10.096	ppbv		100
51) 2-Hexanone	10.28	43	2264336	10.857	ppbv	#	100
52) Tetrachloroethene	11.38	164	1085809	9.809	ppbv		95
53) Toluene	9.96	91	3561490	10.728	ppbv		100
54) 1,2-Dibromoethane	10.77	107	1965648	9.699	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.29	131	1604562	7.371	ppbv		98
57) Chlorobenzene	12.31	112	2670020	7.474	ppbv		99
58) Ethyl Benzene	12.87	91	4724979	8.412	ppbv		98
59) m/p-Xylene	13.13	91	4102553	8.205	ppbv	#	31
60) o-Xylene	13.86	91	3868306	7.694	ppbv		100
61) Styrene	13.69	104	2882012	8.806	ppbv		100
62) Isopropylbenzene	14.84	105	5363841	7.893	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2558686	6.529	ppbv		99
64) n-propylbenzene	15.73	120	1409563	7.886	ppbv		100
65) tert-Butylbenzene	16.92	119	4801790	7.883	ppbv		100
66) Benzyl Chloride	17.16	91	2772230	8.232	ppbv		100
67) sec-Butylbenzene	17.47	105	6809287	7.756	ppbv		100
69) p-Isopropyltoluene	17.82	119	5620311	8.052	ppbv		100
70) n-Butylbenzene	18.72	91	5796865	8.179	ppbv		99
71) 2-Chlorotoluene	15.62	91	4003042	7.899	ppbv		100
72) 4-Ethyltoluene	16.01	105	4525113	8.212	ppbv		100
73) 1,3,5-Trimethylbenzene	16.17	105	4277624	7.939	ppbv		98
74) 1,2,4-Trimethylbenzene	16.94	105	4405113	7.640	ppbv		94
75) 1,3-Dichlorobenzene	17.17	146	2469847	7.468	ppbv		99
76) 1,4-Dichlorobenzene	17.32	146	2435723	7.885	ppbv		99
77) 1,2-Dichlorobenzene	18.00	146	2421411	7.914	ppbv		99
78) Hexachloro-1,3-Butadiene	23.55	225	1722026	10.429	ppbv		100
79) Naphthalene	22.42	128	4058247	10.715	ppbv		99
80) Naphthalene,2-methyl-	25.12	142	1081617	11.402	ppbv		97
81) 1,2,4-Trichlorobenzene	22.14	180	1906017	10.021	ppbv		99

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

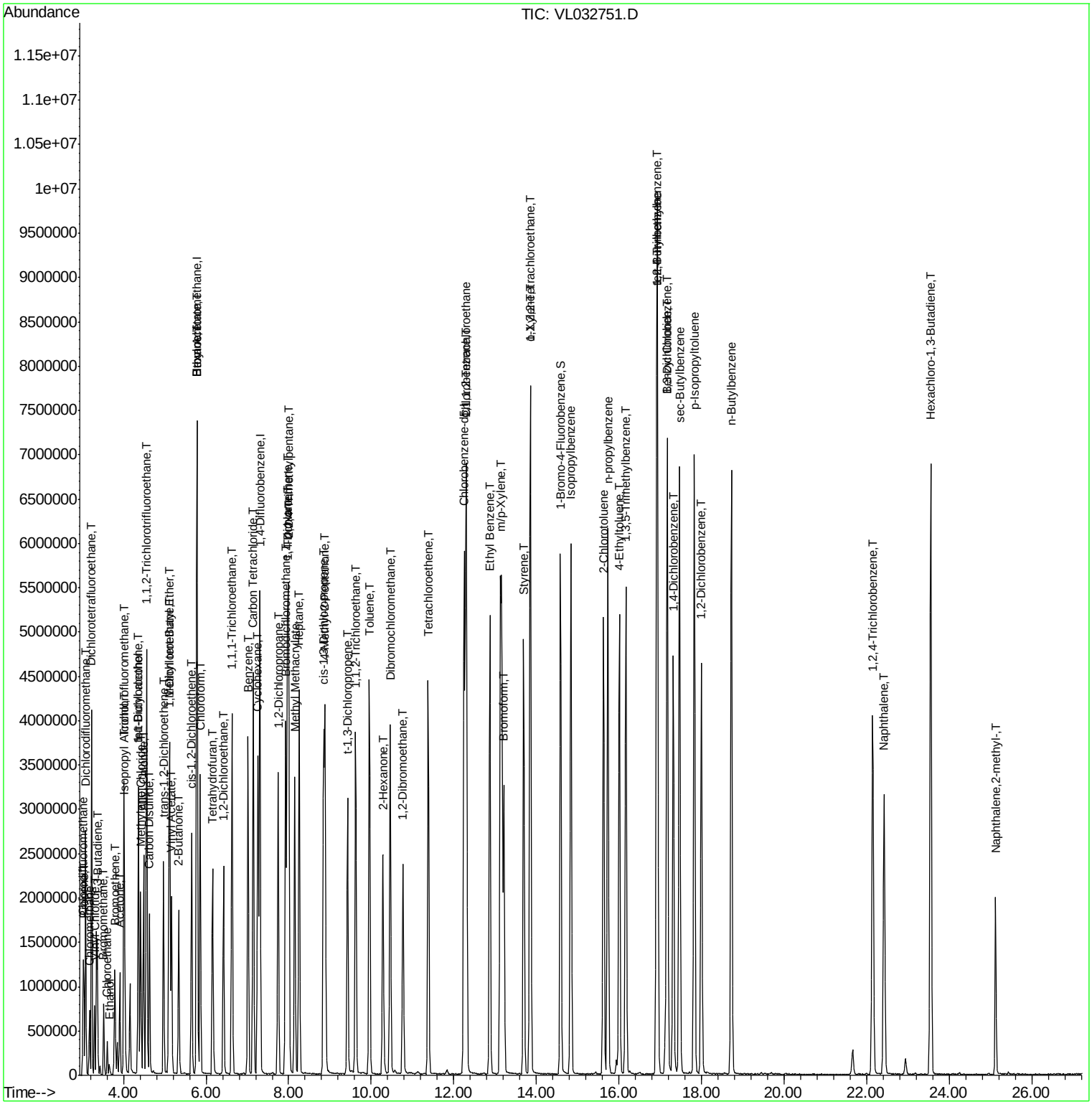
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111418\

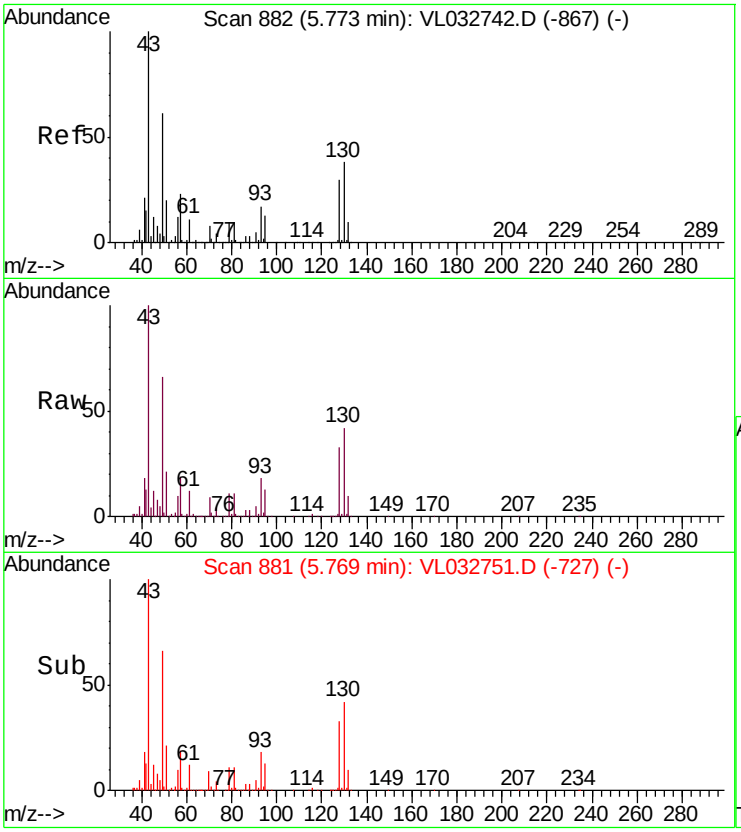
Quantitation Report (Not Reviewed)

Data File : VL032751.D
Acq On : 14 Nov 2018 9:32
Operator : SY/AP
Sample : VL1114ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Quant Time: Nov 15 04:51:56 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



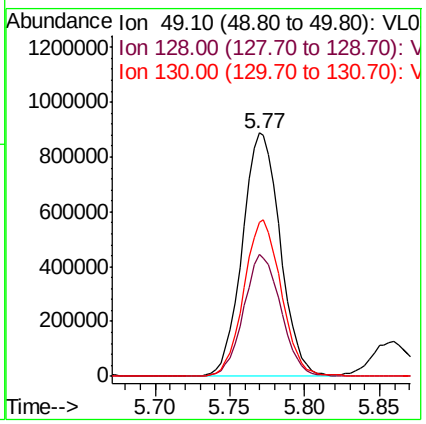


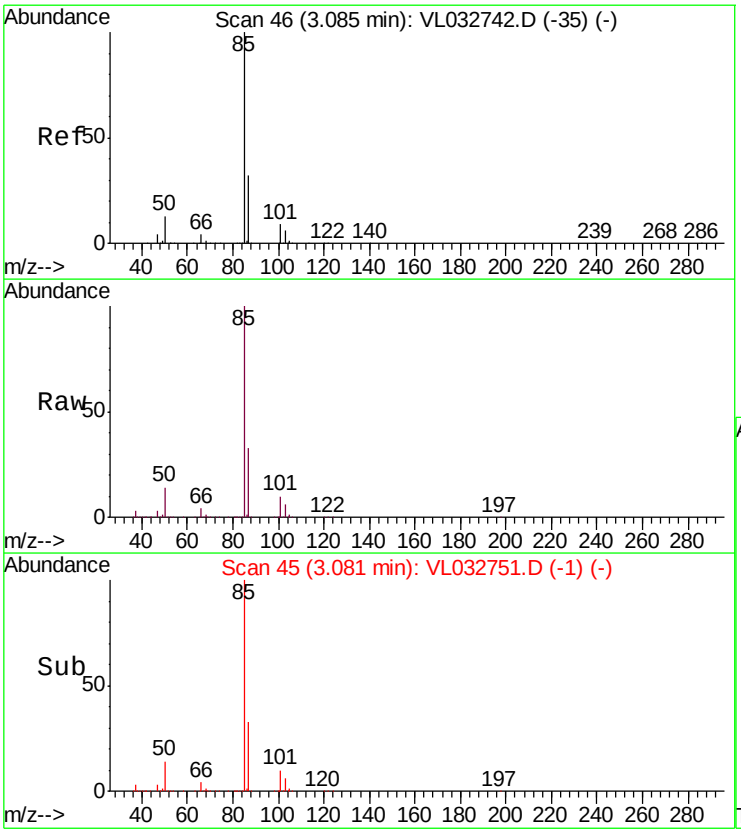
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS01

Tgt Ion: 49 Resp: 1564971

Ion	Ratio	Lower	Upper
49	100		
128	49.4	24.9	74.6
130	63.7	31.4	94.2

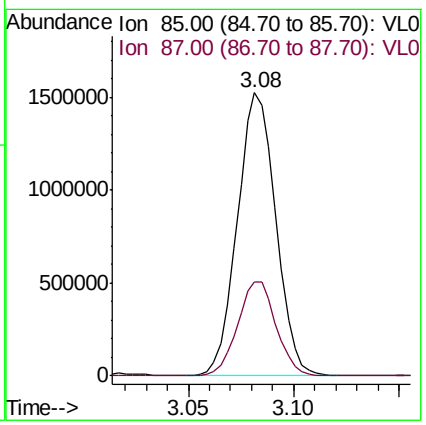


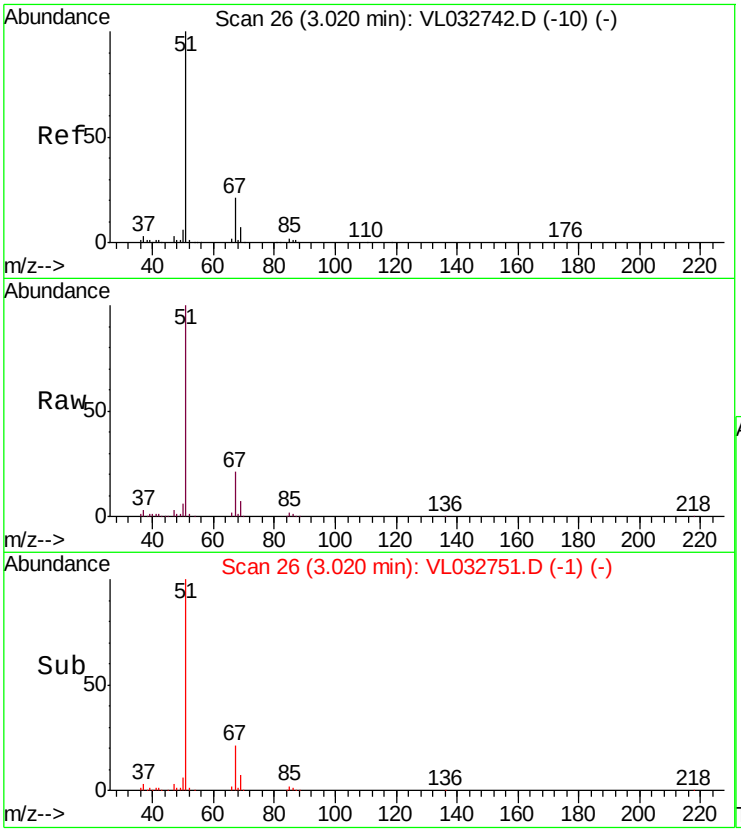


#2
Dichlorodifluoromethane
Concen: 8.540 ppbv
RT: 3.08 min Scan# 45
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 85 Resp: 1921161

Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.0	39.0



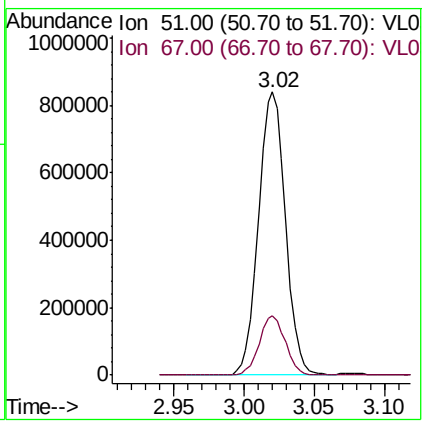


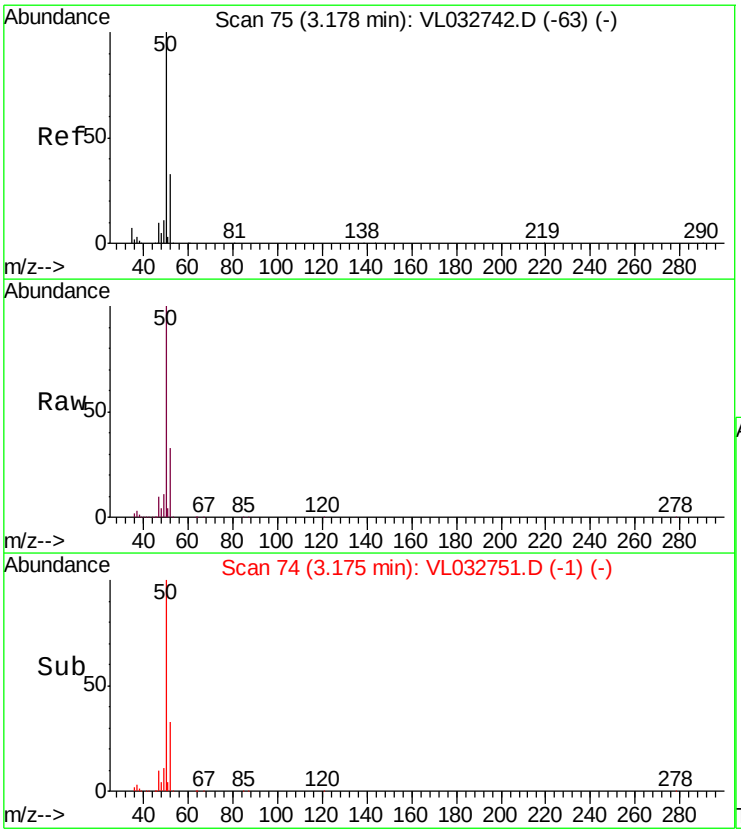
#3
Chlorodifluoromethane
Concen: 9.038 ppbv
RT: 3.02 min Scan# 26
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS01

Tgt Ion: 51 Resp: 1121300

Ion	Ratio	Lower	Upper
51	100		
67	20.5	16.1	24.1

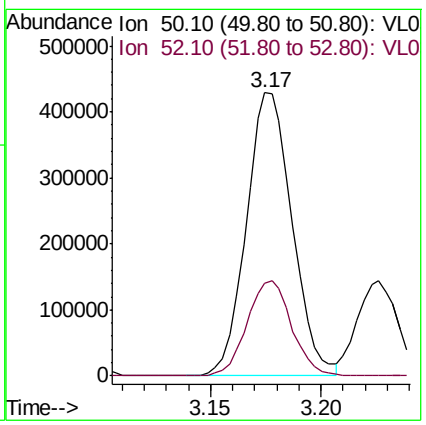


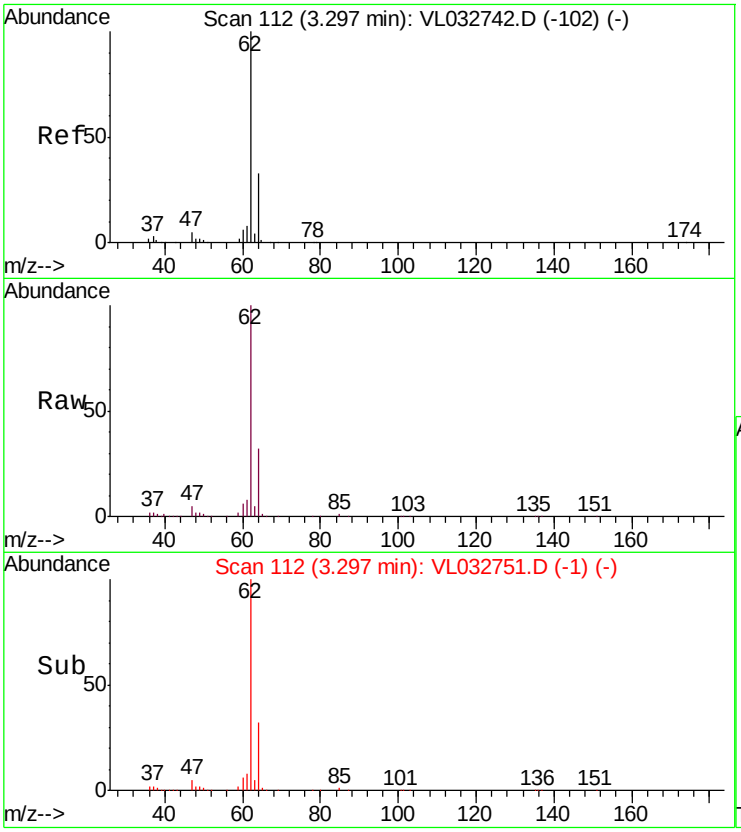


#4
Chloromethane
Concen: 8.955 ppbv
RT: 3.17 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 50 Resp: 616095

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.6	40.0



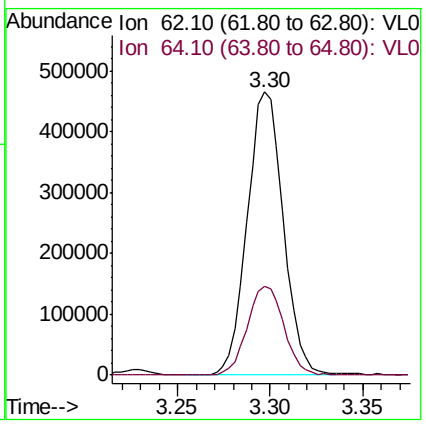


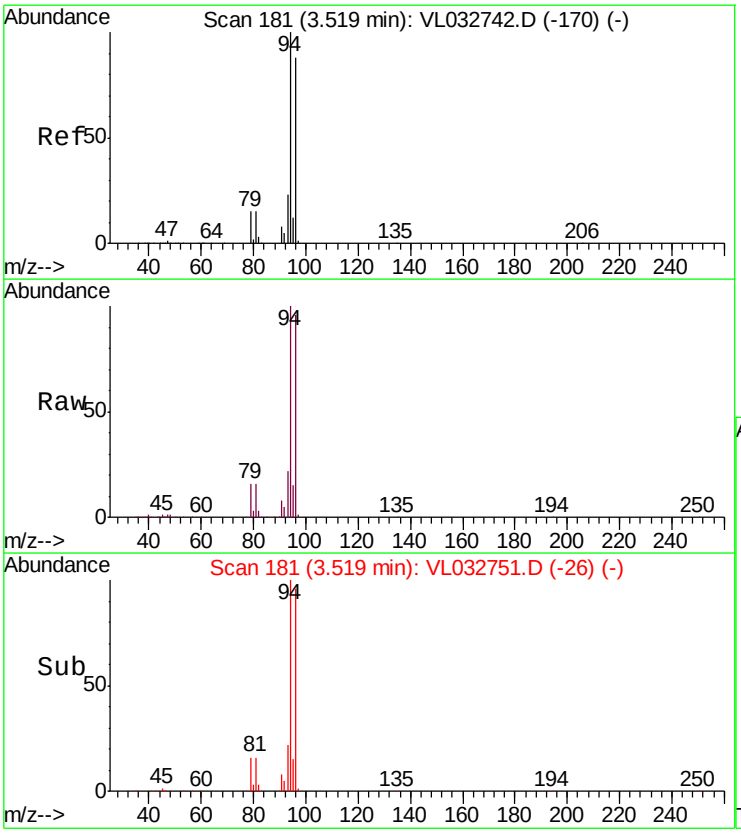
#5
Vinyl Chloride
Concen: 8.656 ppbv
RT: 3.30 min Scan# 112
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS01

Tgt Ion: 62 Resp: 631041

Ion	Ratio	Lower	Upper
62	100		
64	31.6	26.2	39.4

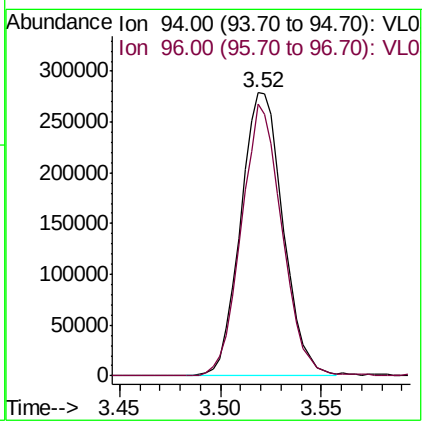


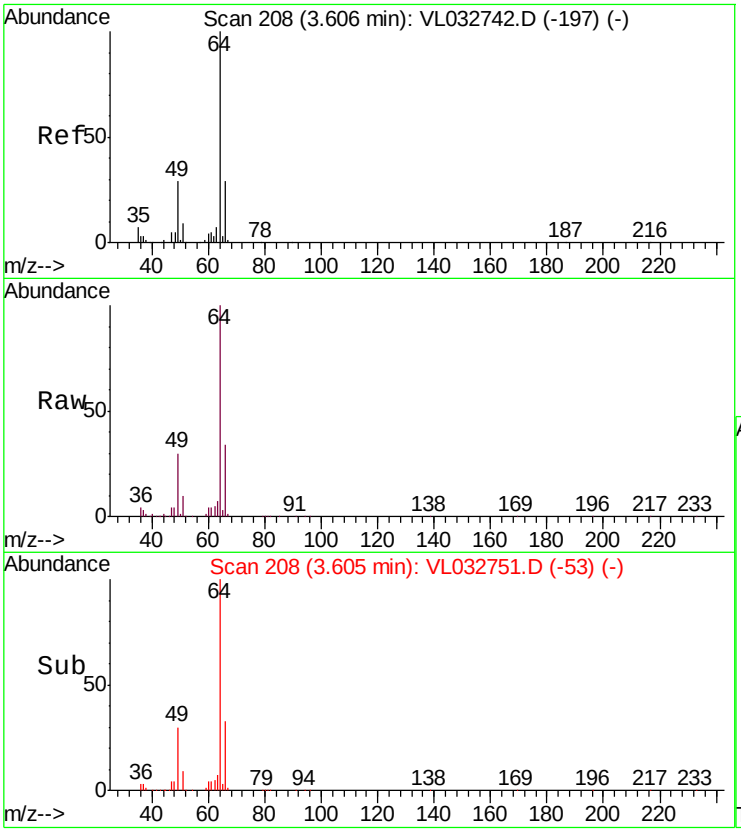


#6
Bromomethane
Concen: 9.233 ppbv
RT: 3.52 min Scan# 181
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 94 Resp: 411731

Ion	Ratio	Lower	Upper
94	100		
96	96.1	70.2	105.2



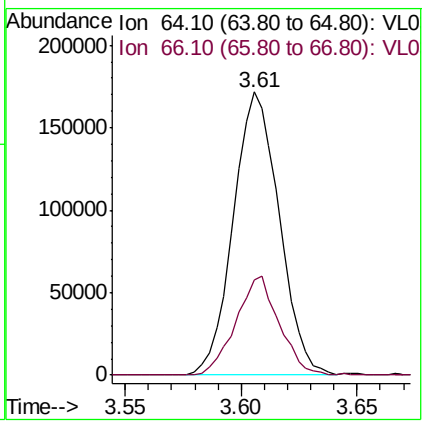


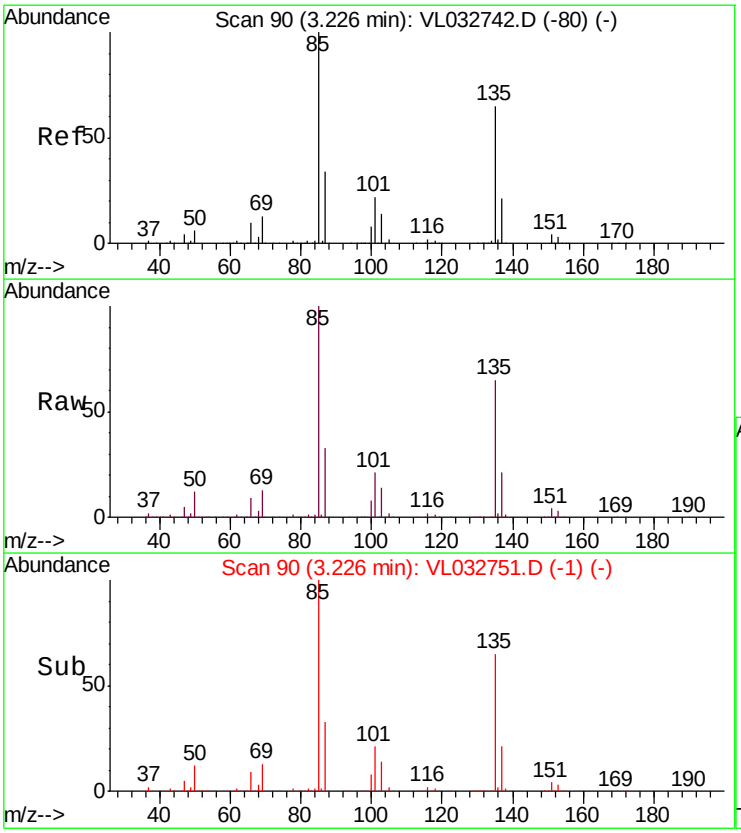
#7
Chloroethane
Concen: 8.975 ppbv
RT: 3.61 min Scan# 208
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS01

Tgt Ion: 64 Resp: 235800

Ion	Ratio	Lower	Upper
64	100		
66	33.7	23.2	34.8

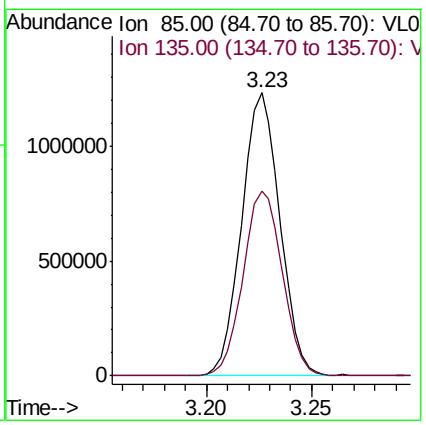


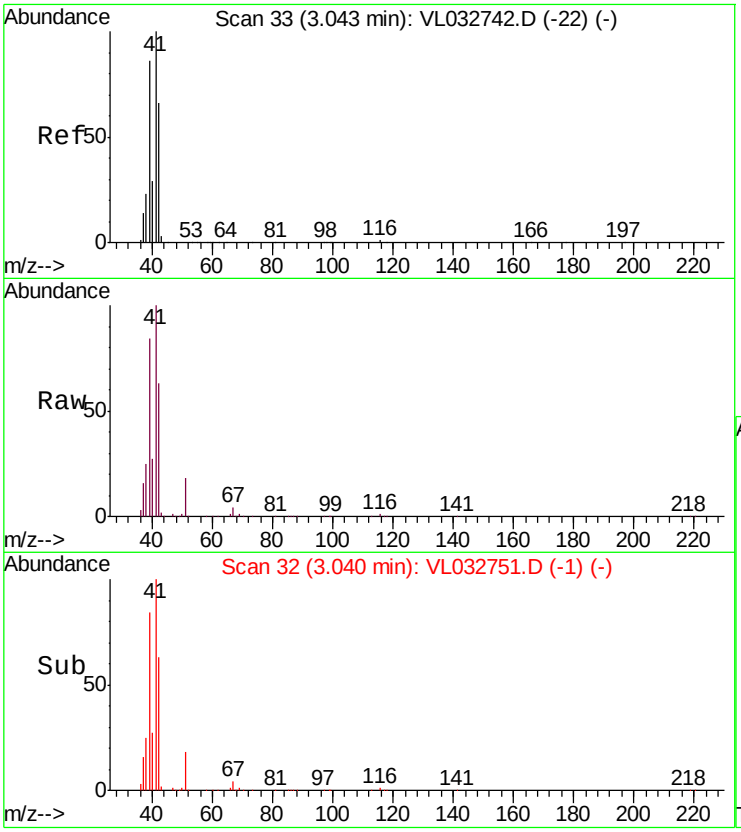


#8
Dichlorotetrafluoroethane
Concen: 8.768 ppbv
RT: 3.23 min Scan# 90
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 85 Resp: 1554218

Ion	Ratio	Lower	Upper
85	100		
135	67.4	53.8	80.8



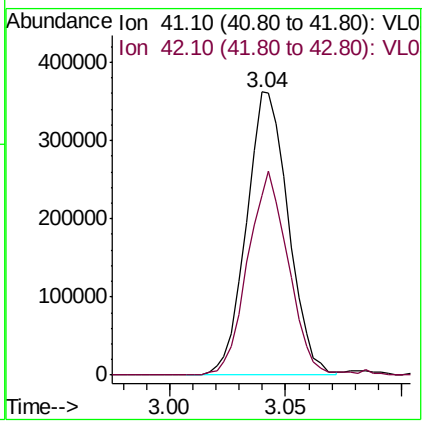


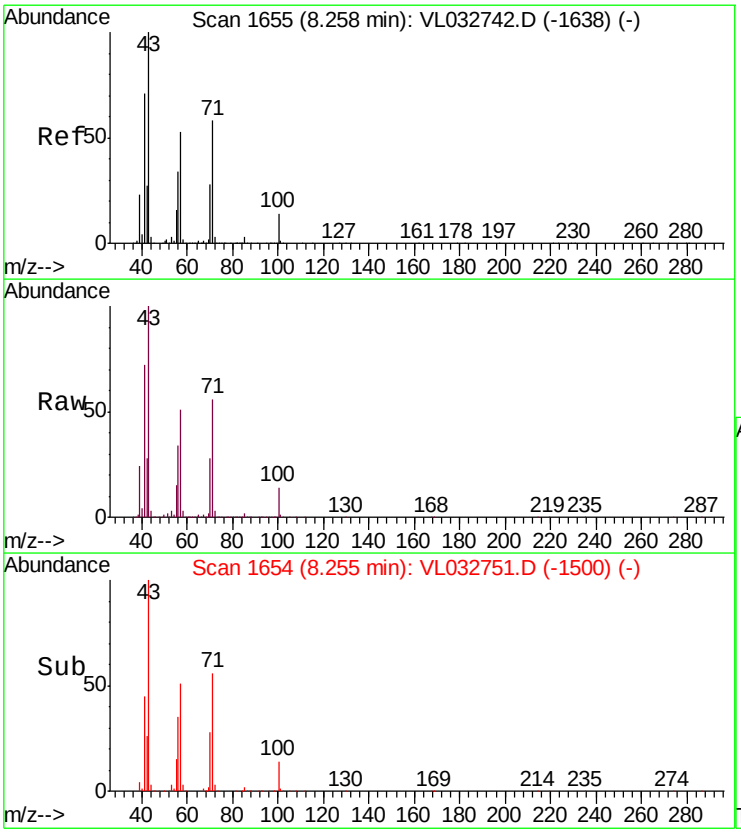
#9
Propene
Concen: 9.138 ppbv
RT: 3.04 min Scan# 32
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS01

Tgt Ion: 41 Resp: 453722

Ion	Ratio	Lower	Upper
41	100		
42	70.8	55.0	82.6

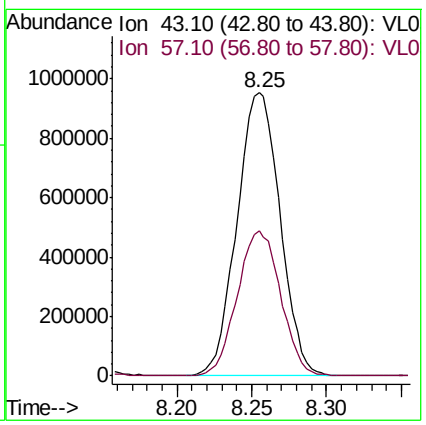


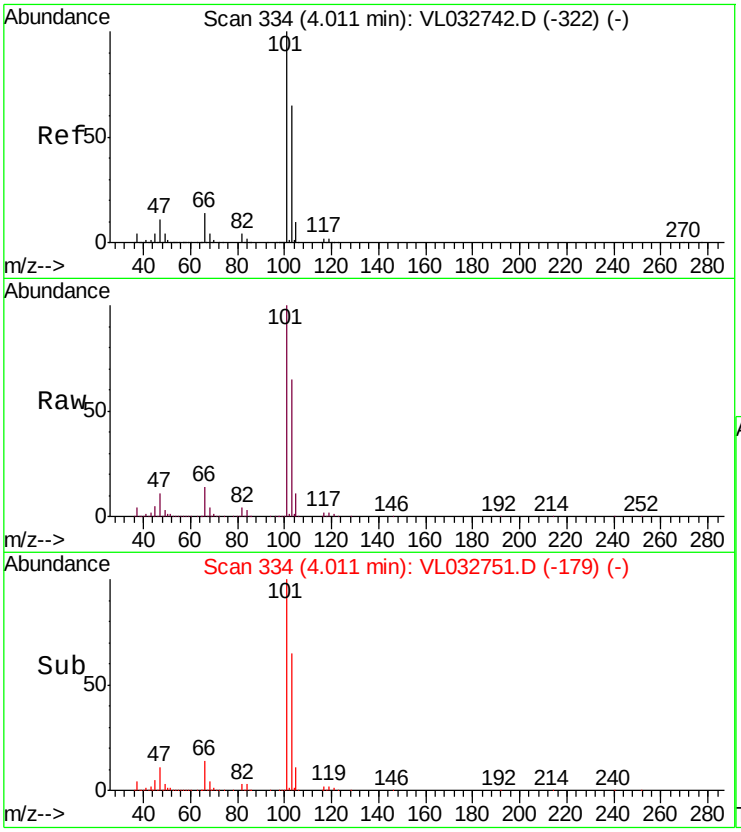


#10
Heptane
Concen: 10.049 ppbv
RT: 8.25 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 43 Resp: 1904862

Ion	Ratio	Lower	Upper
43	100		
57	51.9	41.8	62.8



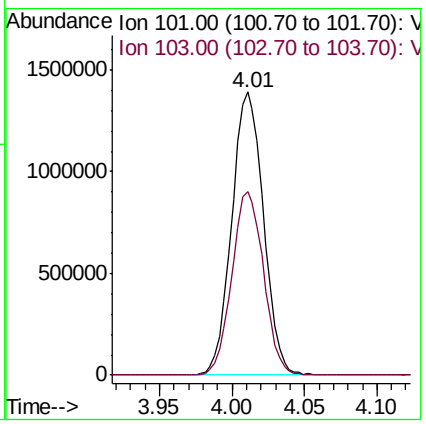


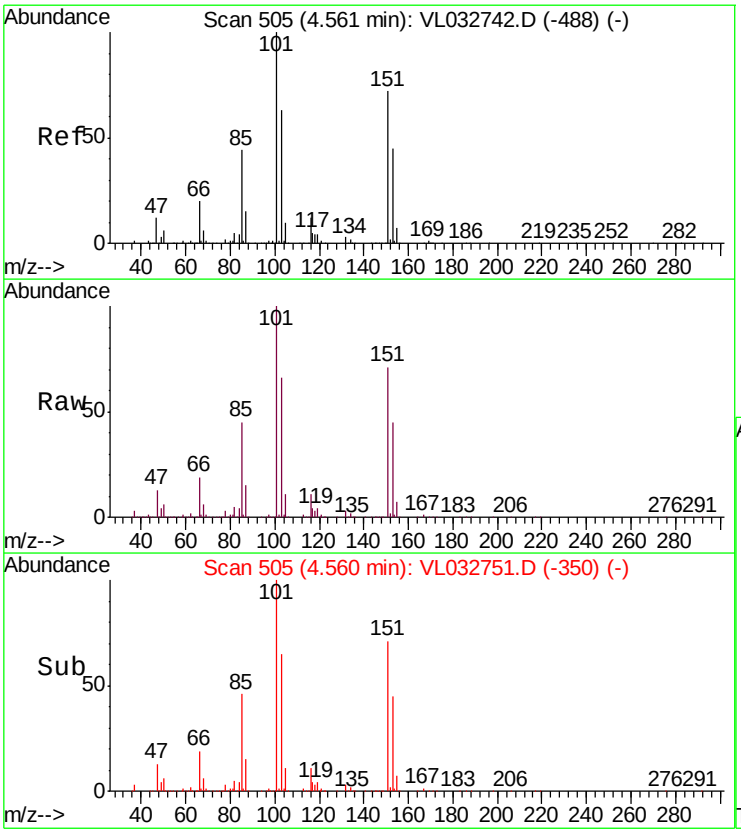
#11
Trichlorofluoromethane
Concen: 9.958 ppbv
RT: 4.01 min Scan# 334
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS01

Tgt Ion:101 Resp: 2111038

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.6	77.4

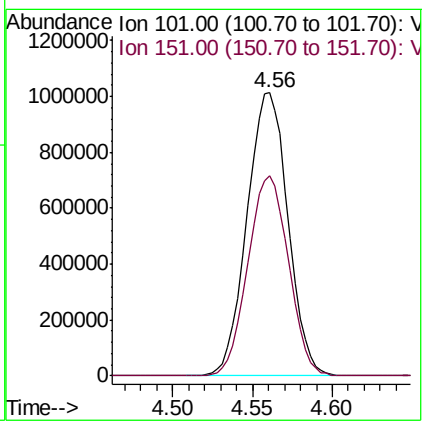


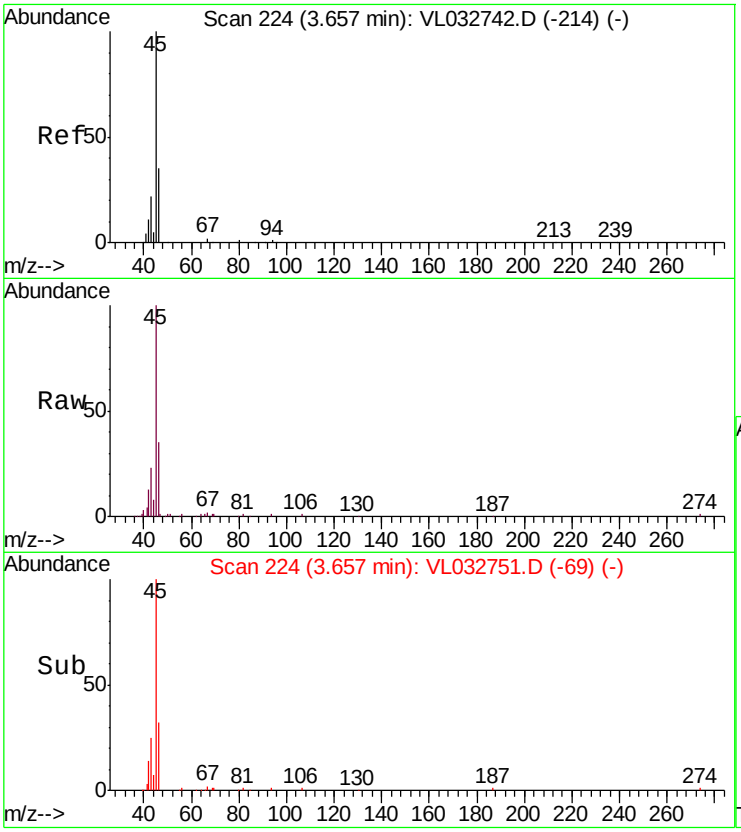


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.264 ppbv
RT: 4.56 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion:101 Resp: 1777323

Ion	Ratio	Lower	Upper
101	100		
151	70.7	56.7	85.1



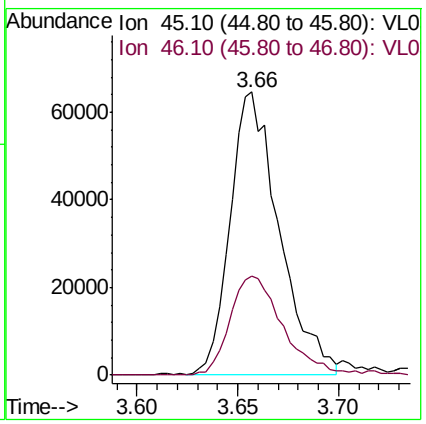


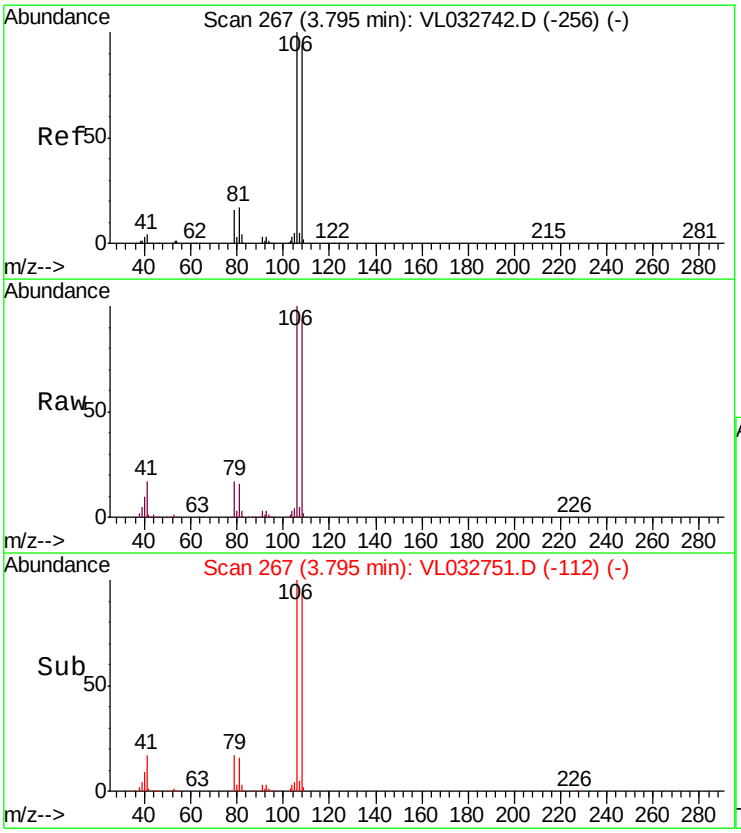
#13
Ethanol
Concen: 6.734 ppbv
RT: 3.66 min Scan# 224
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS01

Tgt Ion: 45 Resp: 109522

Ion	Ratio	Lower	Upper
45	100		
46	38.9	14.5	57.9

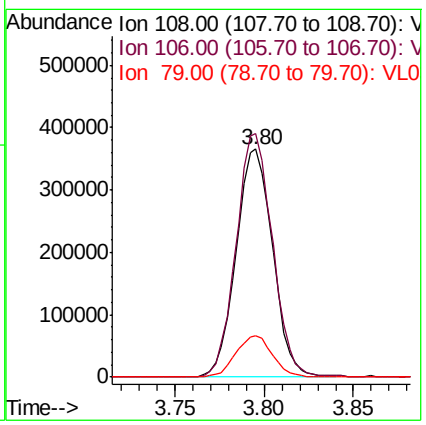


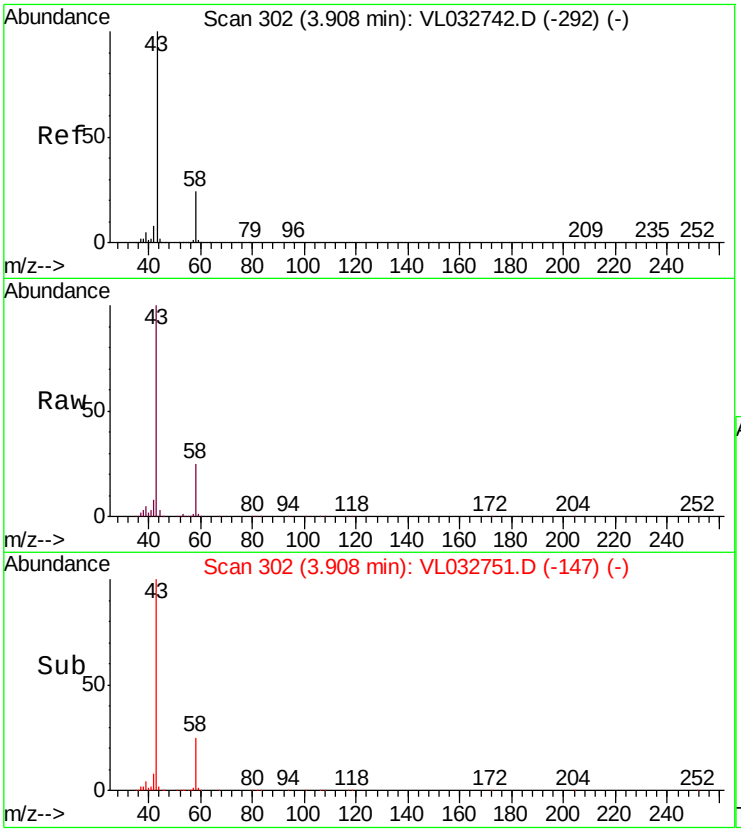


#14
Bromoethene
Concen: 9.100 ppbv
RT: 3.80 min Scan# 267
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion:108 Resp: 522766

Ion	Ratio	Lower	Upper
108	100		
106	106.5	84.9	127.3
79	18.3	14.2	21.4



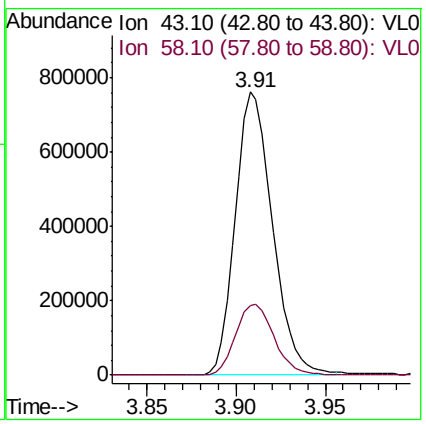


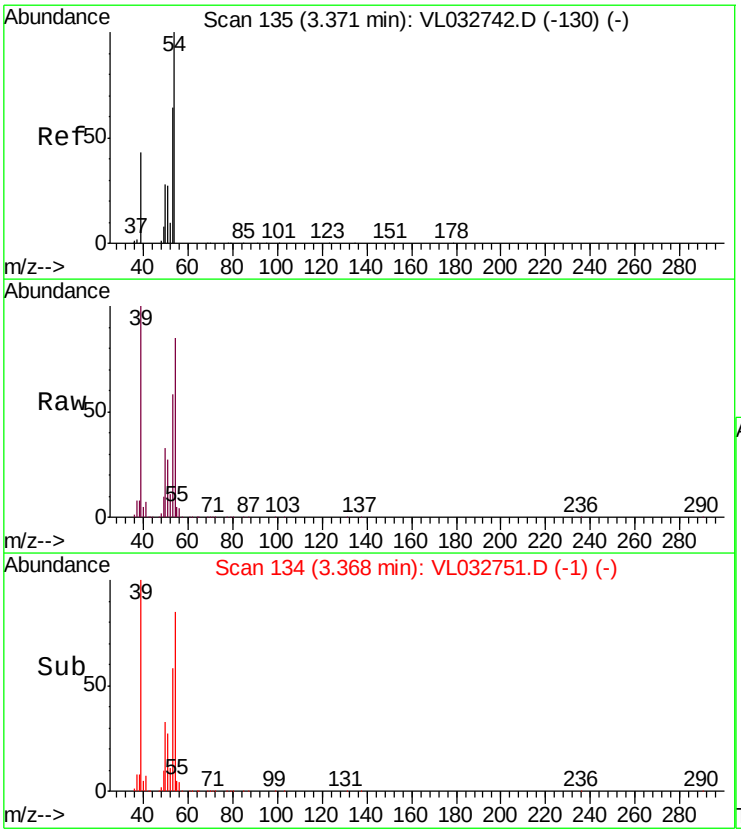
#15
Acetone
Concen: 7.761 ppbv
RT: 3.91 min Scan# 302
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS01

Tgt Ion: 43 Resp: 1109190

Ion	Ratio	Lower	Upper
43	100		
58	26.1	21.1	31.7

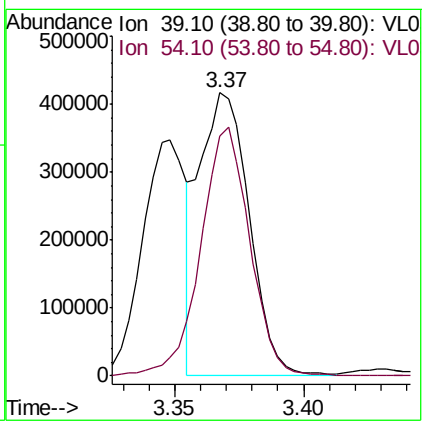


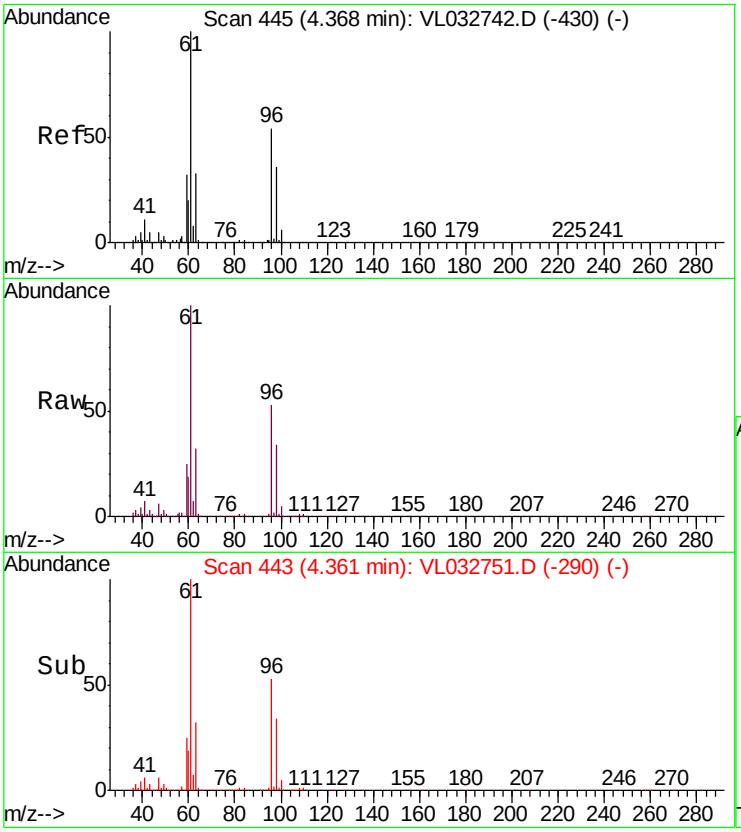


#16
1,3-Butadiene
Concen: 10.055 ppbv
RT: 3.37 min Scan# 134
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 39 Resp: 556529

Ion	Ratio	Lower	Upper
39	100		
54	87.6	68.9	103.3



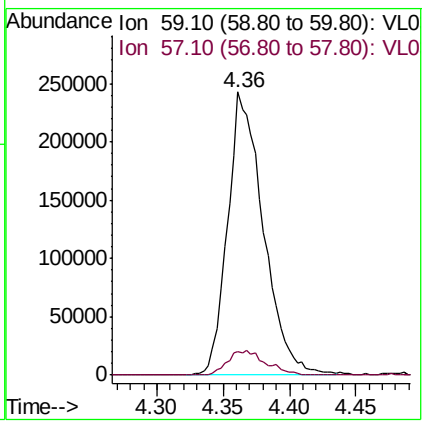


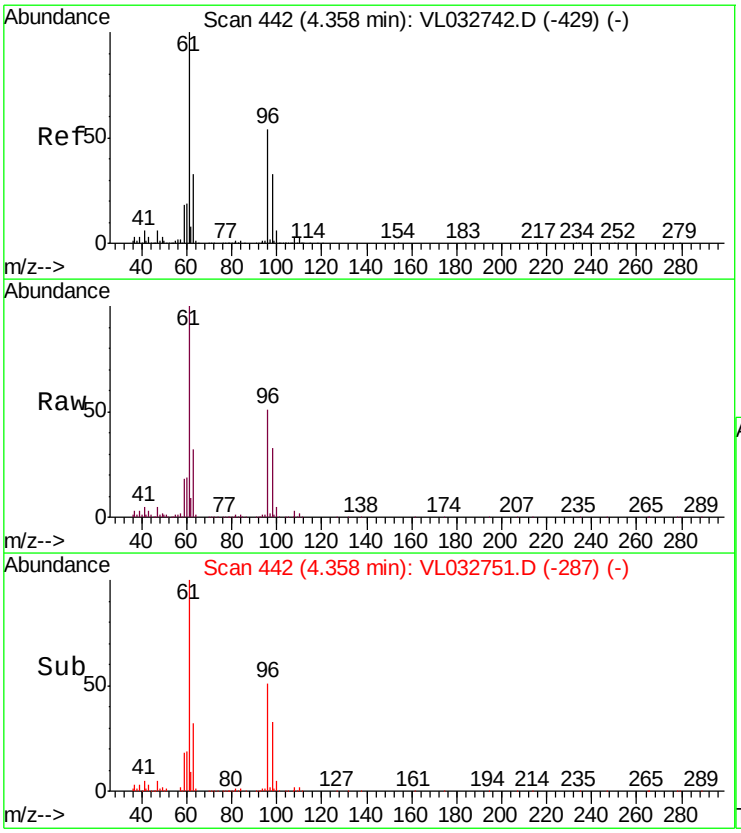
#17
tert-Butyl alcohol
Concen: 10.131 ppbv
RT: 4.36 min Scan# 443
Delta R.T. -0.01 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS01

Tgt Ion: 59 Resp: 454121

Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.8	11.8

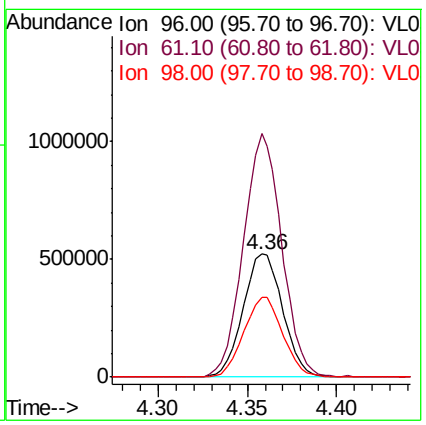


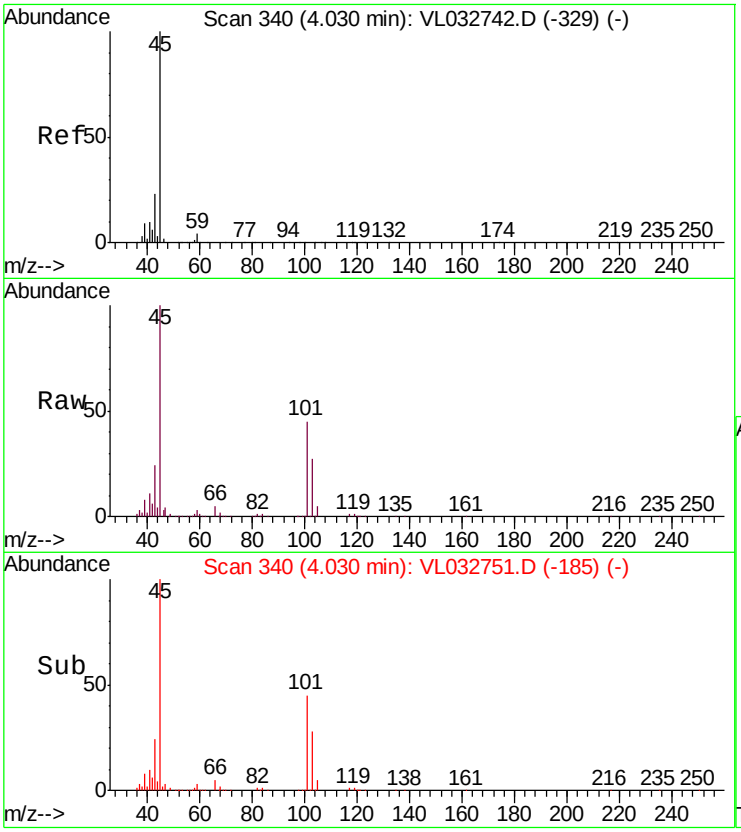


#18
1,1-Dichloroethene
Concen: 9.572 ppbv
RT: 4.36 min Scan# 442
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 96 Resp: 815091

Ion	Ratio	Lower	Upper
96	100		
61	198.0	148.5	222.7
98	64.6	48.6	72.8



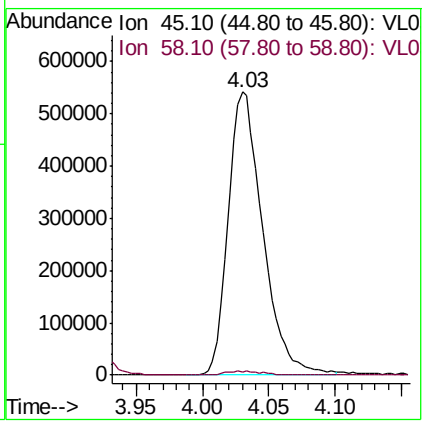


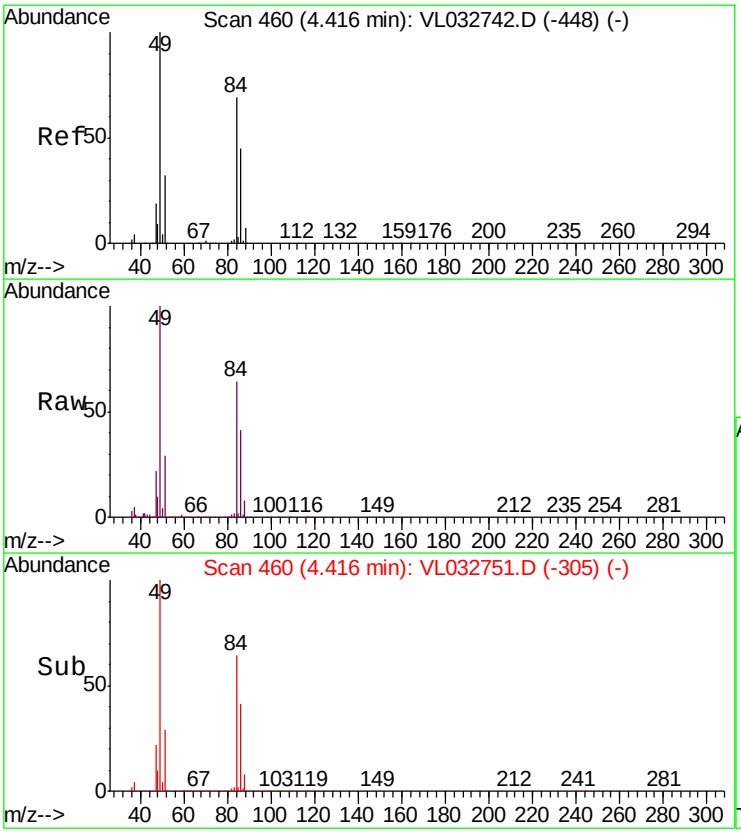
#19
Isopropyl Alcohol
Concen: 10.312 ppbv
RT: 4.03 min Scan# 340
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Tgt Ion: 45 Resp: 981782

Ion	Ratio	Lower	Upper
45	100		
58	1.4	1.4	2.0

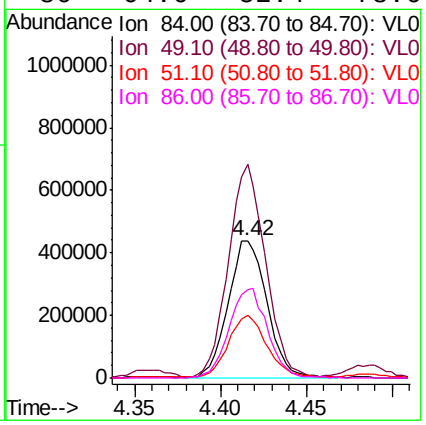


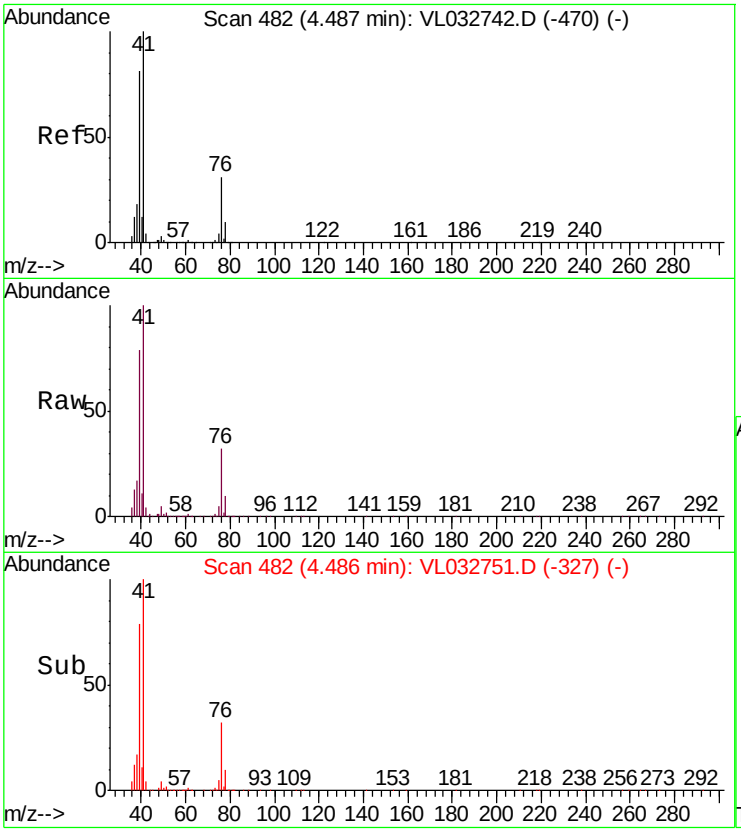


#20
Methylene Chloride
Concen: 9.263 ppbv
RT: 4.42 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 84 Resp: 685325

Ion	Ratio	Lower	Upper
84	100		
49	155.2	115.8	173.6
51	44.8	36.9	55.3
86	64.6	52.4	78.6



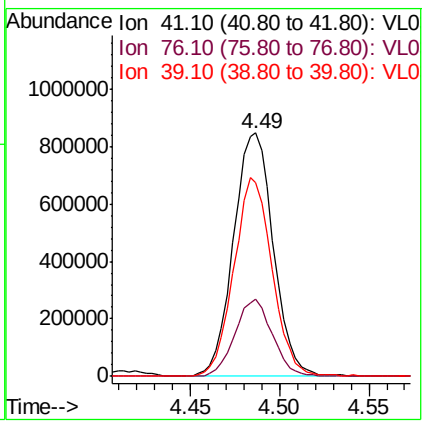


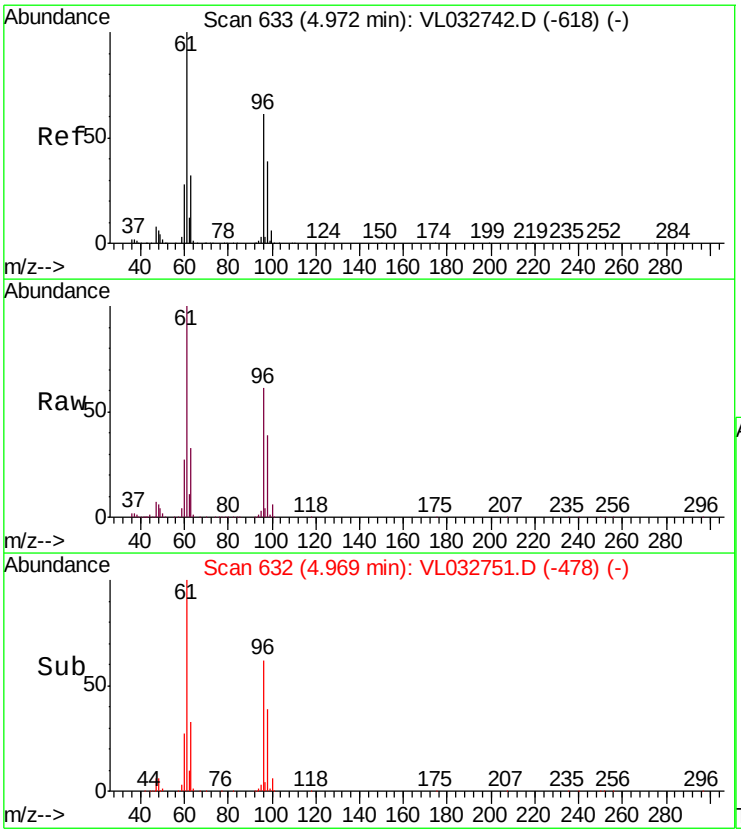
#21
Allyl Chloride
Concen: 10.928 ppbv
RT: 4.49 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Tgt Ion: 41 Resp: 1312458

Ion	Ratio	Lower	Upper
41	100		
76	30.3	24.4	36.6
39	78.7	63.5	95.3

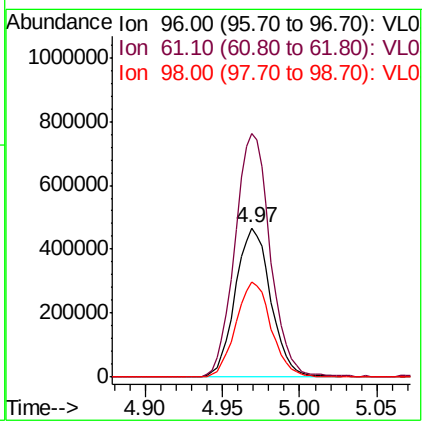


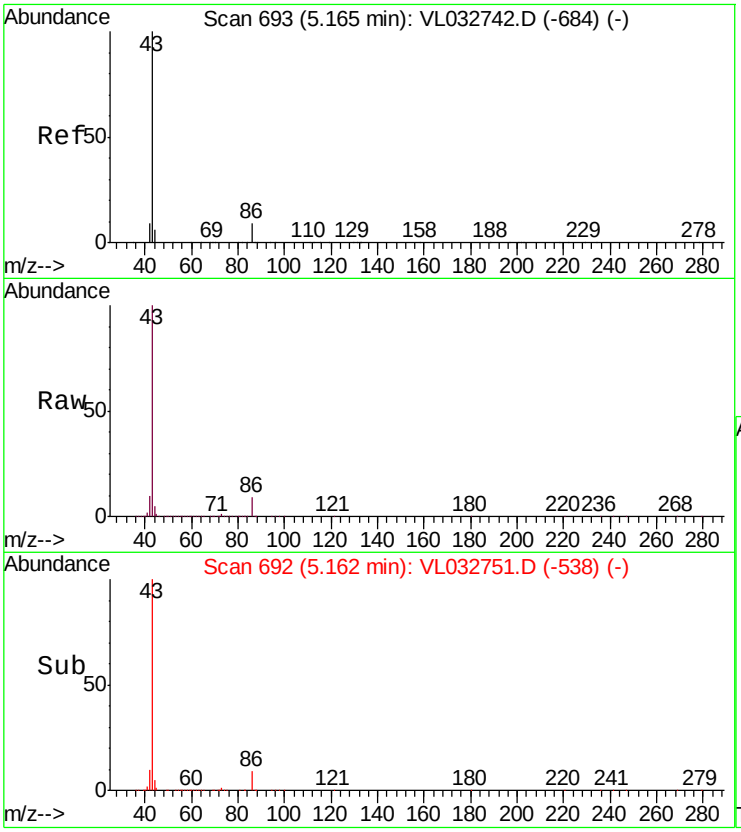


#22
trans-1,2-Dichloroethene
Concen: 8.949 ppbv
RT: 4.97 min Scan# 632
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 96 Resp: 744113

Ion	Ratio	Lower	Upper
96	100		
61	163.1	130.2	195.2
98	63.7	50.2	75.2



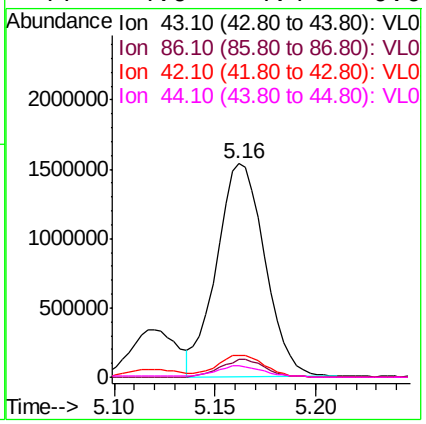


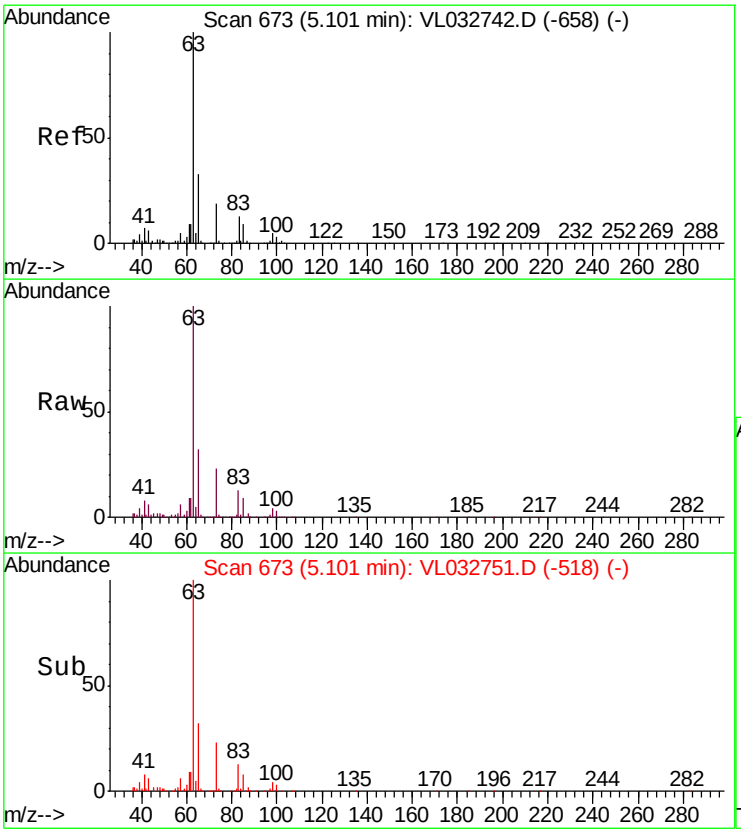
#23
Vinyl Acetate
Concen: 9.828 ppbv
RT: 5.16 min Scan# 692
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Tgt Ion: 43 Resp: 2560492

Ion	Ratio	Lower	Upper
43	100		
86	8.6	6.2	9.4
42	9.9	7.8	11.6
44	4.9	4.4	6.6

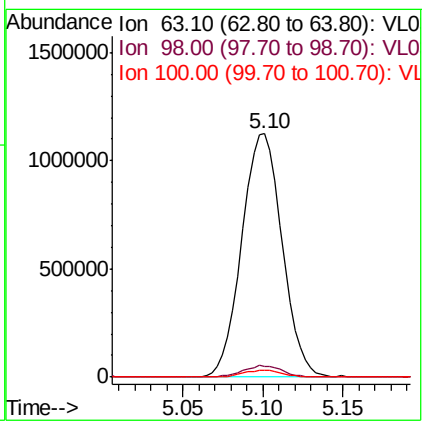


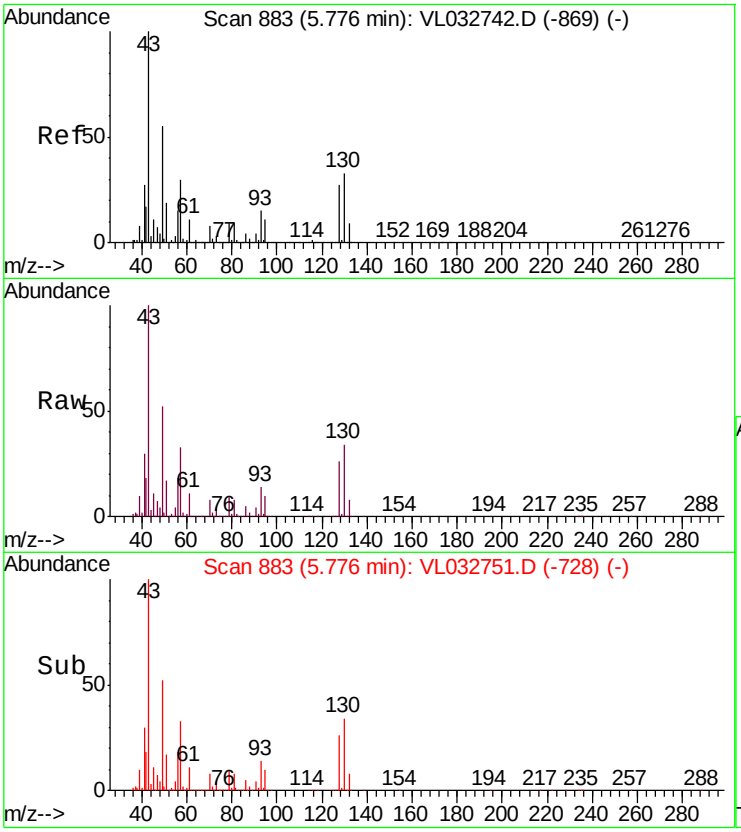


#24
1,1-Dichloroethane
Concen: 9.347 ppbv
RT: 5.10 min Scan# 673
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 63 Resp: 1935956

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.3	6.8
100	3.0	1.4	4.2



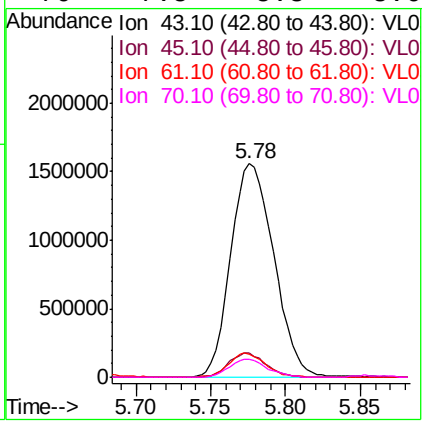


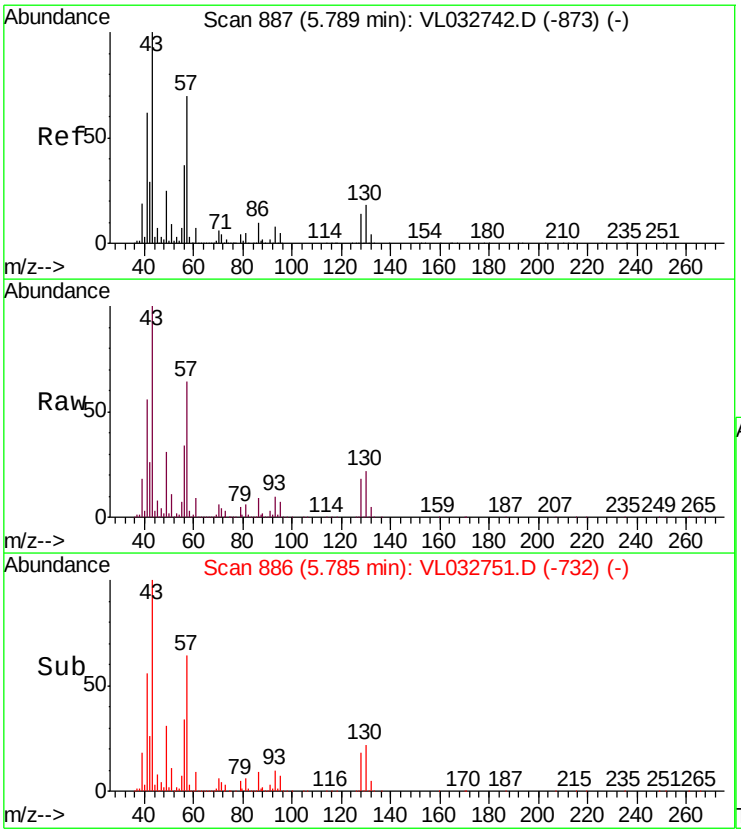
#25
Ethyl Acetate
Concen: 9.368 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Tgt Ion: 43 Resp: 3120557

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.8	7.8	11.6
70	7.5	5.8	8.6

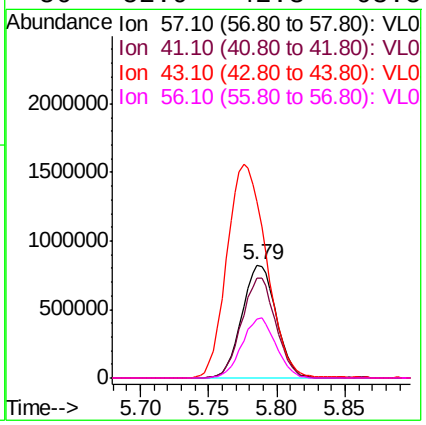


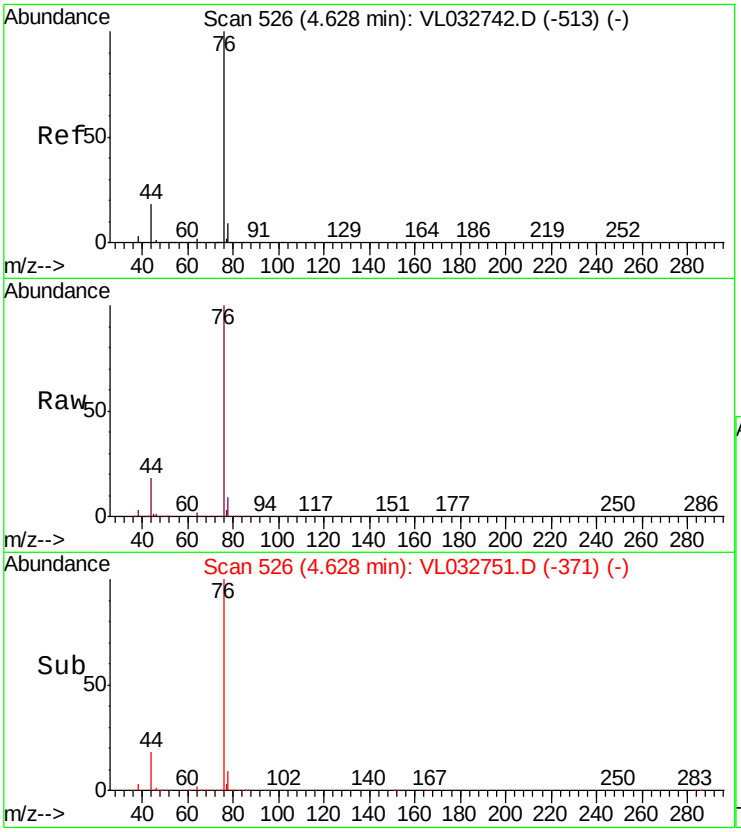


#26
Hexane
Concen: 9.655 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 57 Resp: 1431619

Ion	Ratio	Lower	Upper
57	100		
41	88.5	70.3	105.5
43	219.3	174.0	261.0
56	52.9	42.3	63.5



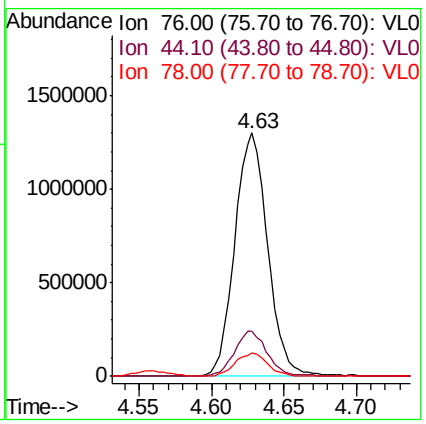


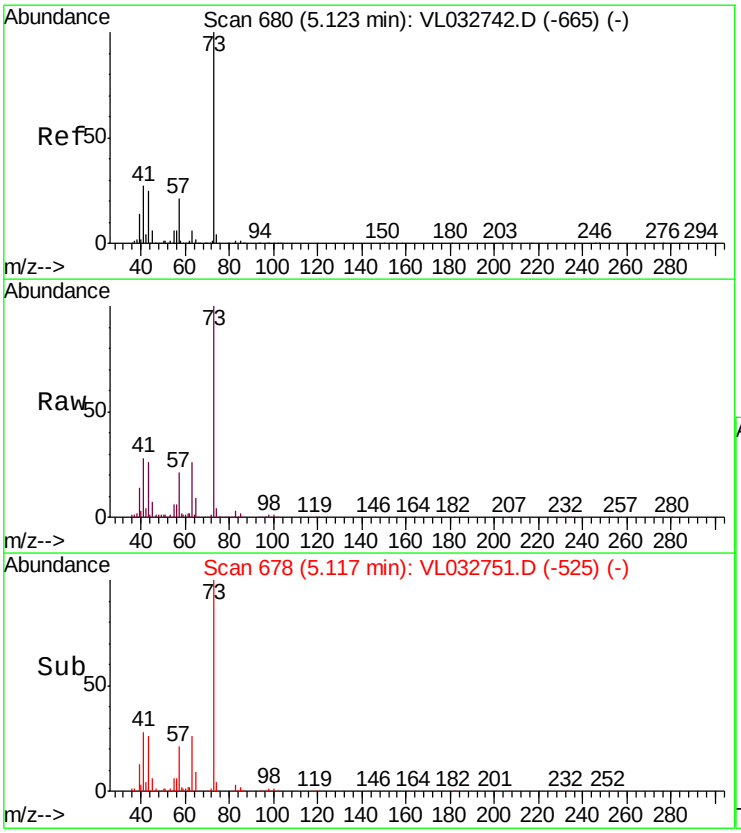
#27
Carbon Disulfide
Concen: 10.920 ppbv
RT: 4.63 min Scan# 526
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Tgt Ion: 76 Resp: 2053197

Ion	Ratio	Lower	Upper
76	100		
44	17.8	14.4	21.6
78	9.4	7.7	11.5

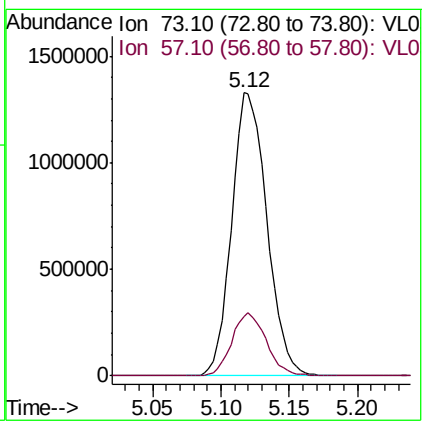


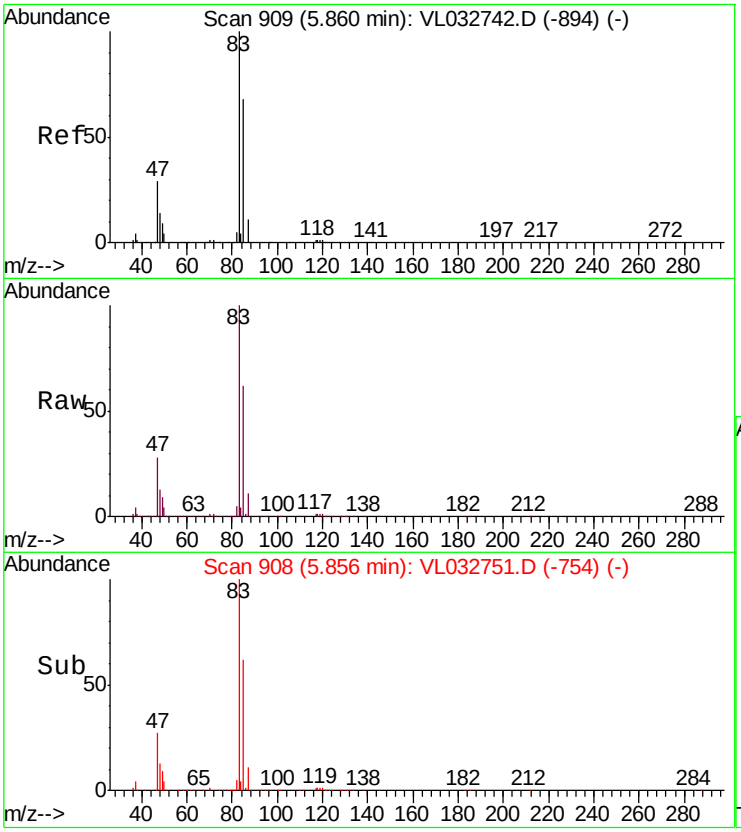


#28
Methyl tert-Butyl Ether
Concen: 10.062 ppbv
RT: 5.12 min Scan# 678
Delta R.T. -0.01 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 73 Resp: 2379156

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.5	26.3



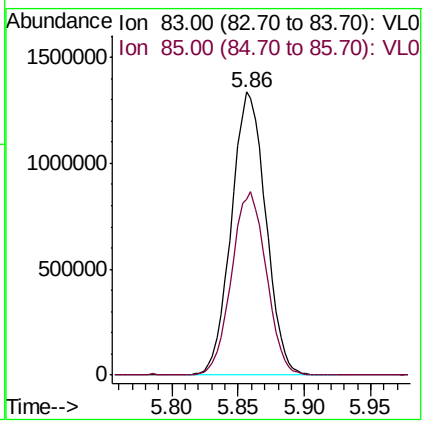


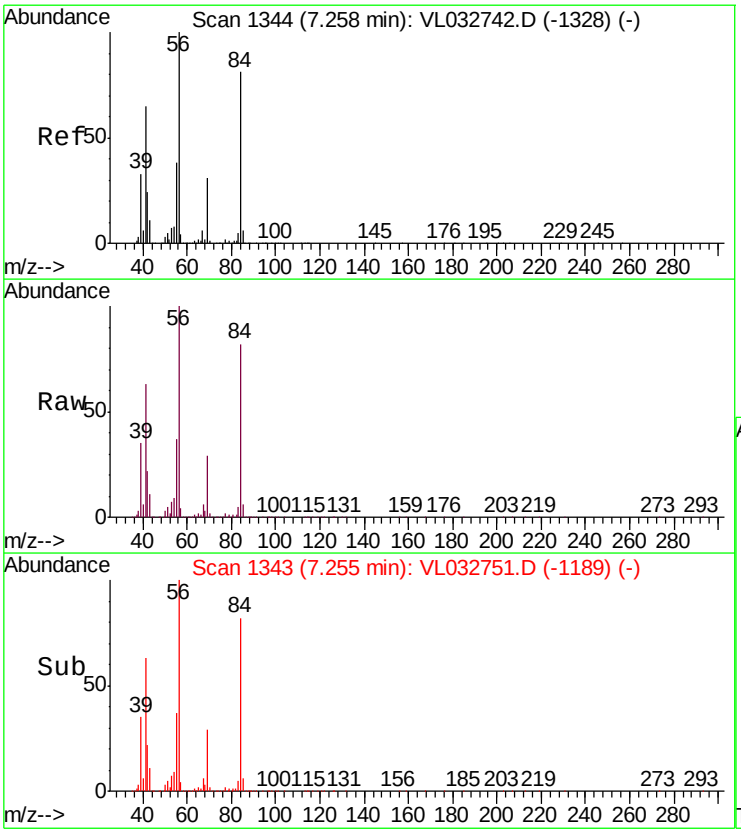
#29
Chloroform
Concen: 9.114 ppbv
RT: 5.86 min Scan# 908
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS01

Tgt Ion: 83 Resp: 2408583

Ion	Ratio	Lower	Upper
83	100		
85	62.1	54.2	81.4

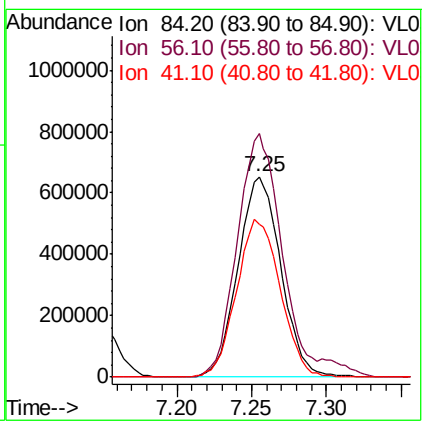


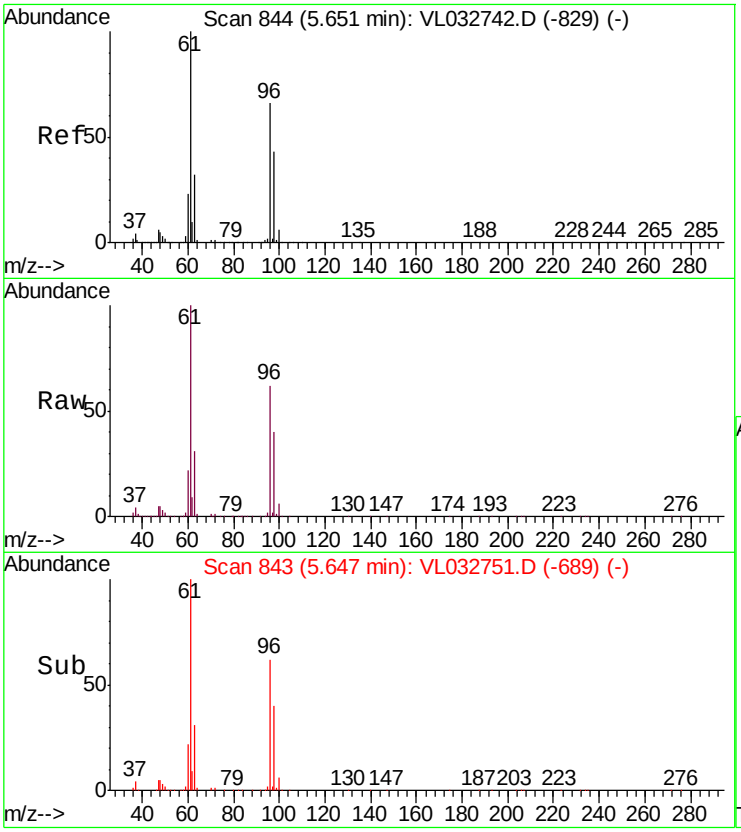


#30
Cyclohexane
Concen: 10.008 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 84 Resp: 1297900

Ion	Ratio	Lower	Upper
84	100		
56	130.9	105.0	157.4
41	80.7	65.3	97.9



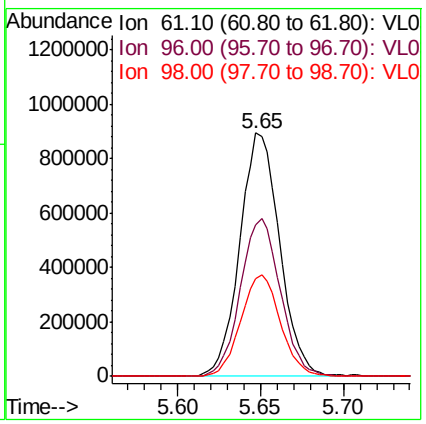


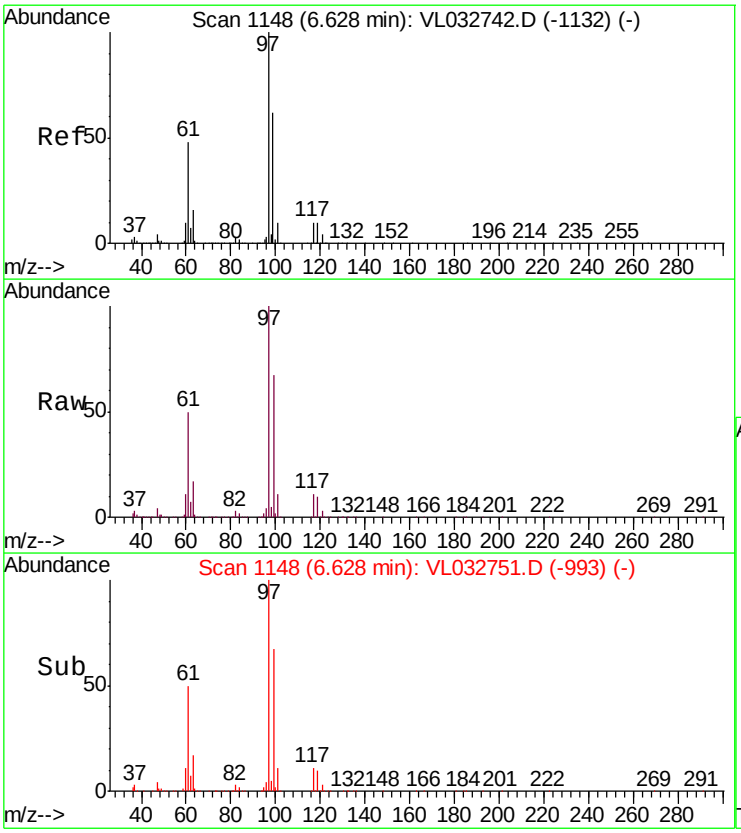
#31
cis-1,2-Dichloroethene
Concen: 10.058 ppbv
RT: 5.65 min Scan# 843
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Tgt Ion: 61 Resp: 1499432

Ion	Ratio	Lower	Upper
61	100		
96	62.1	53.2	79.8
98	39.9	34.4	51.6

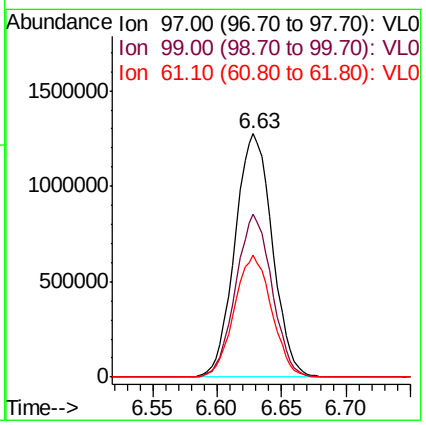


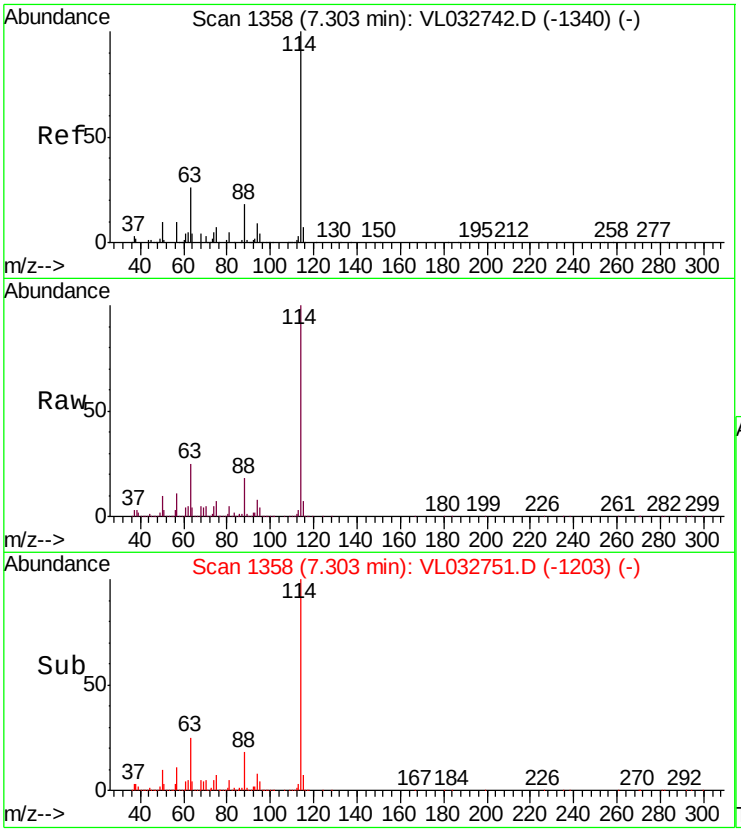


#32
1,1,1-Trichloroethane
Concen: 8.866 ppbv
RT: 6.63 min Scan# 1148
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 97 Resp: 2568423

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.8	77.6
61	49.9	39.7	59.5



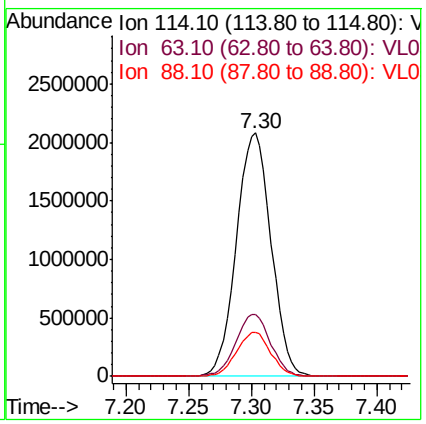


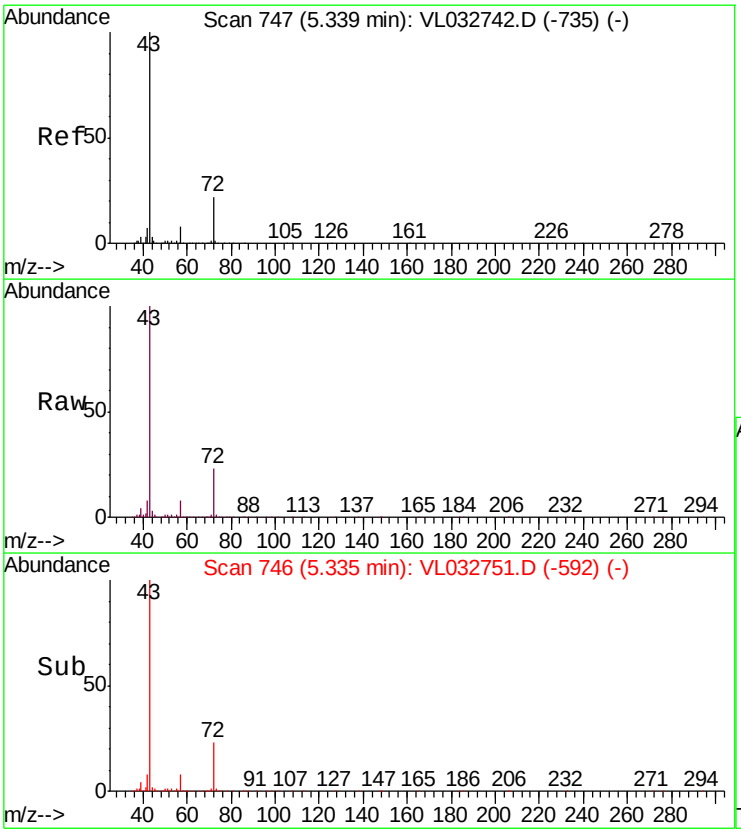
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS01

Tgt Ion:114 Resp: 3996105

Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.9	31.3
88	17.9	14.4	21.6

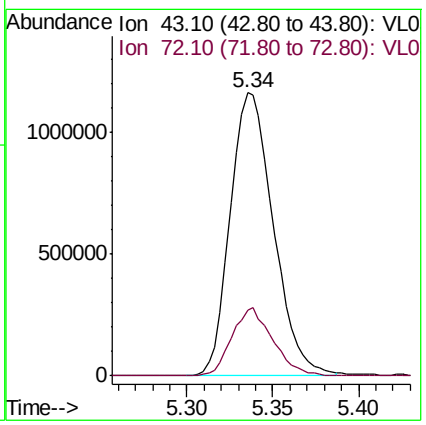


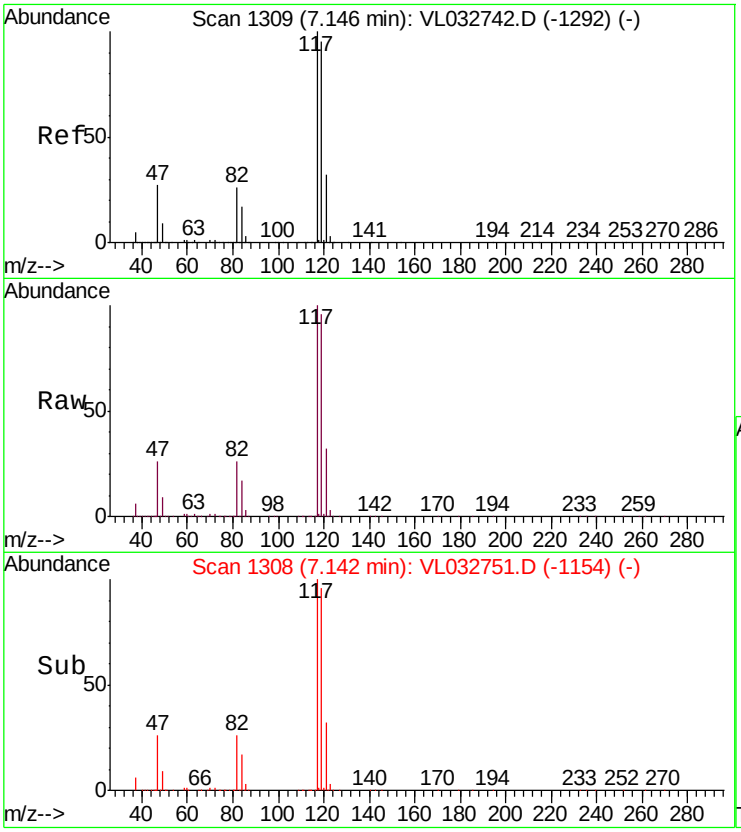


#34
2-Butanone
Concen: 9.751 ppbv
RT: 5.34 min Scan# 746
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 43 Resp: 2020997

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.4	27.6



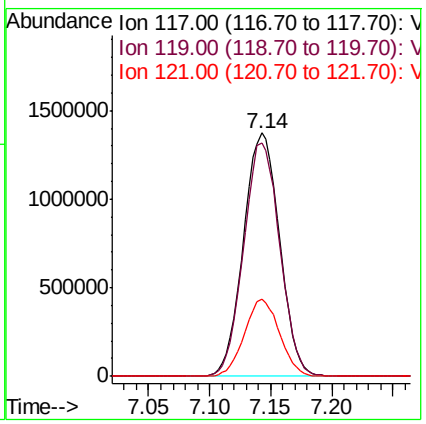


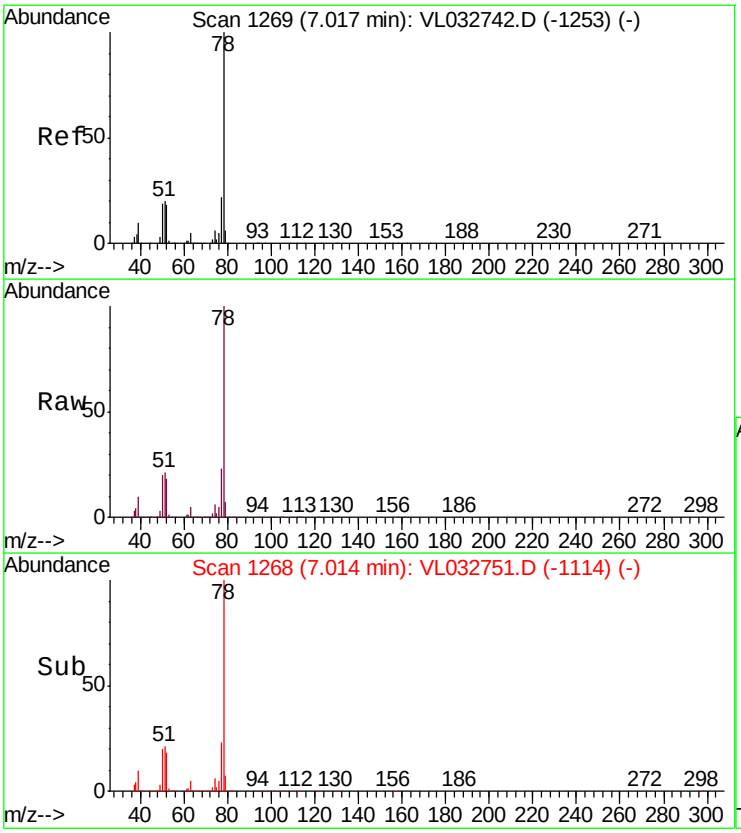
#35
Carbon Tetrachloride
Concen: 8.745 ppbv
RT: 7.14 min Scan# 1308
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS01

Tgt Ion:117 Resp: 2809194

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.1	114.1
121	31.7	25.4	38.0

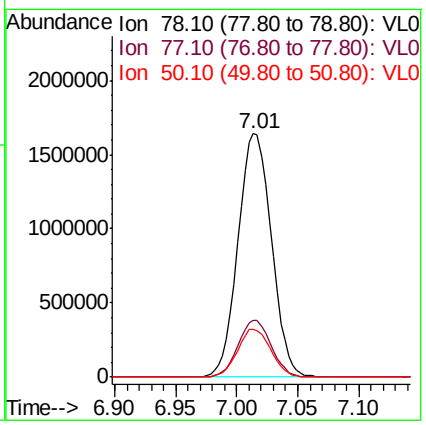


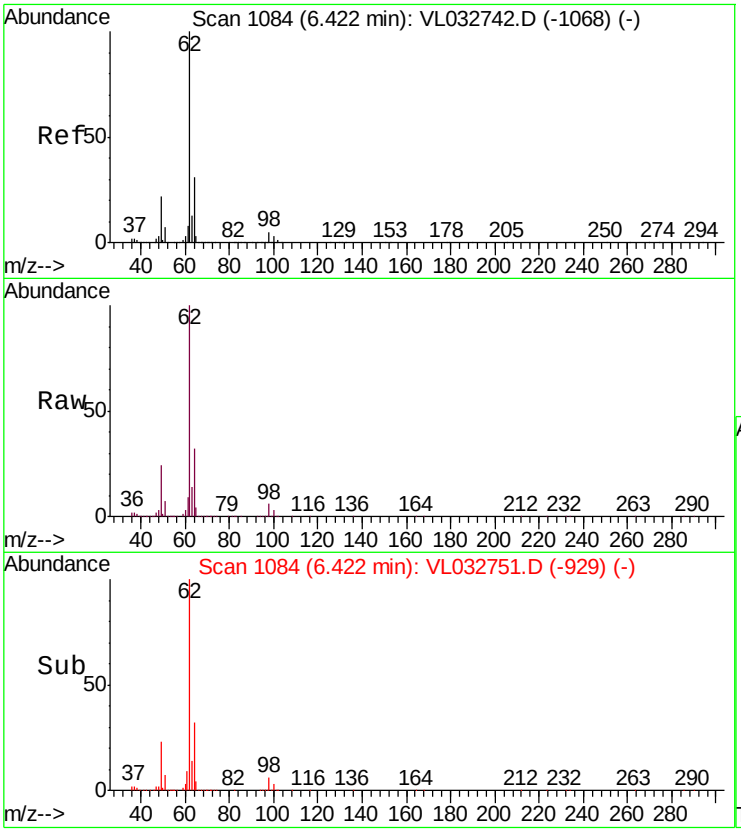


#36
Benzene
Concen: 9.755 ppbv
RT: 7.01 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 78 Resp: 3104093

Ion	Ratio	Lower	Upper
78	100		
77	23.3	17.8	26.8
50	19.7	15.4	23.0



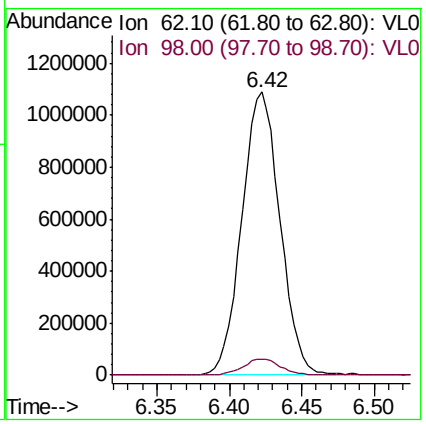


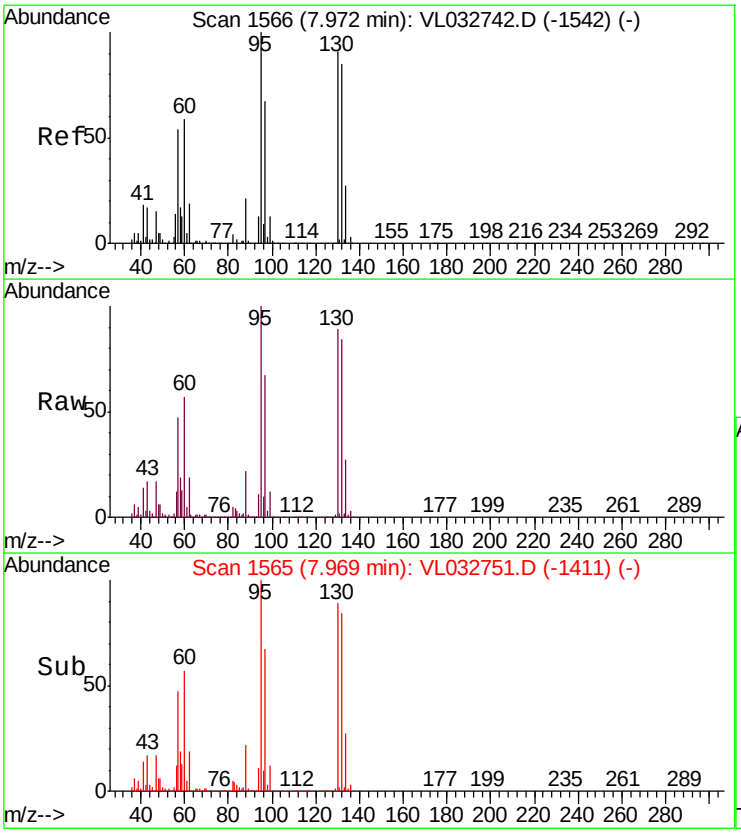
#37
1,2-Dichloroethane
Concen: 9.296 ppbv
RT: 6.42 min Scan# 1084
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS01

Tgt Ion: 62 Resp: 1991386

Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.5	6.7

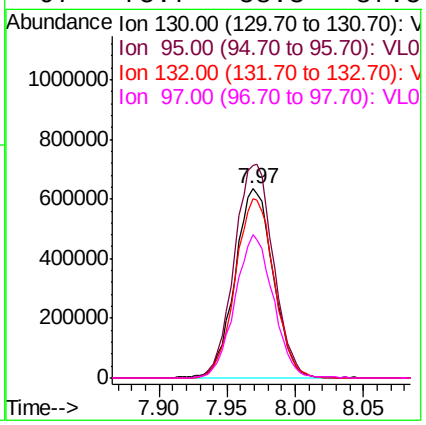


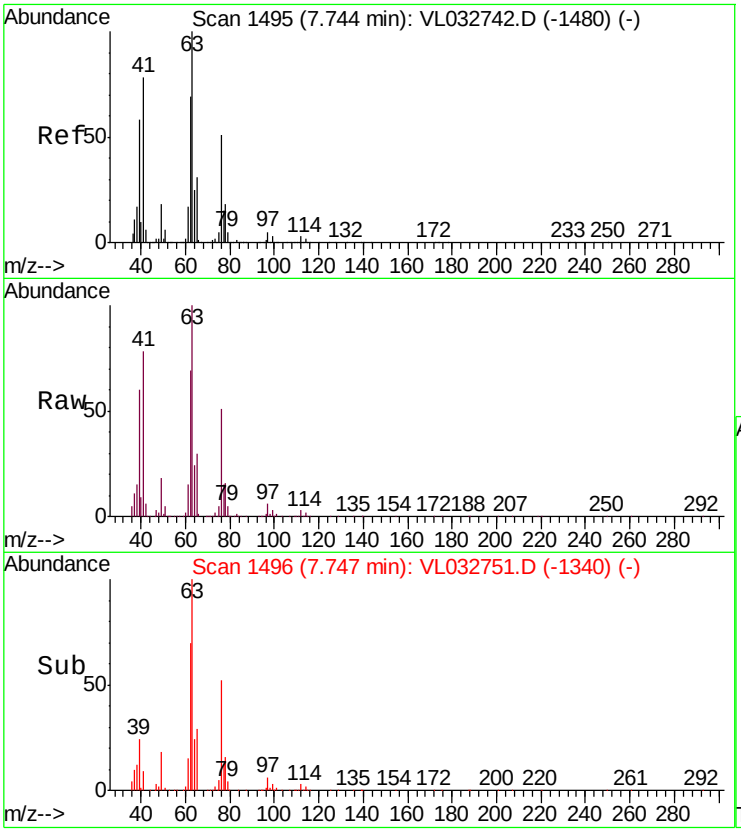


#38
Trichloroethene
Concen: 9.559 ppbv
RT: 7.97 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion:130 Resp: 1231067

Ion	Ratio	Lower	Upper
130	100		
95	112.4	87.7	131.5
132	94.7	74.6	111.8
97	75.7	58.3	87.5



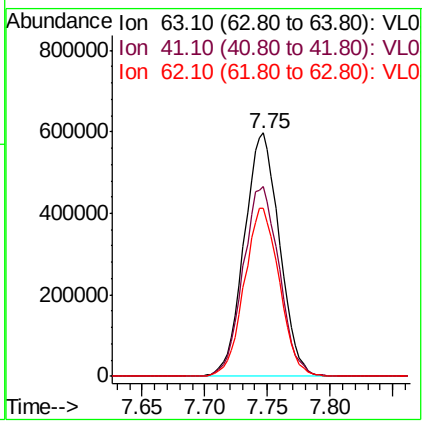


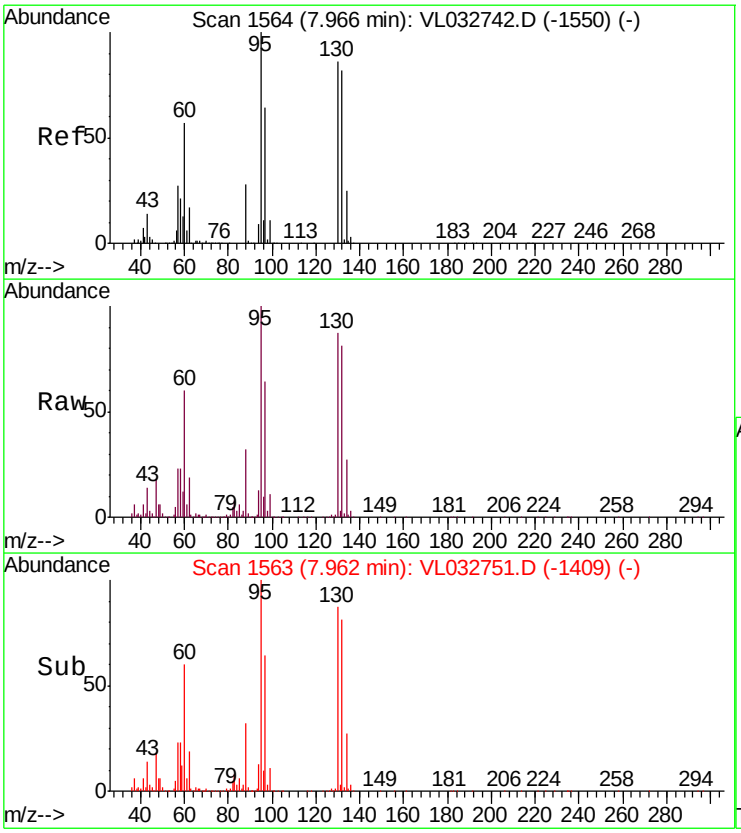
#39
1,2-Dichloropropane
Concen: 9.634 ppbv
RT: 7.75 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS01

Tgt Ion: 63 Resp: 1168060

Ion	Ratio	Lower	Upper
63	100		
41	78.0	62.0	93.0
62	69.1	55.4	83.2

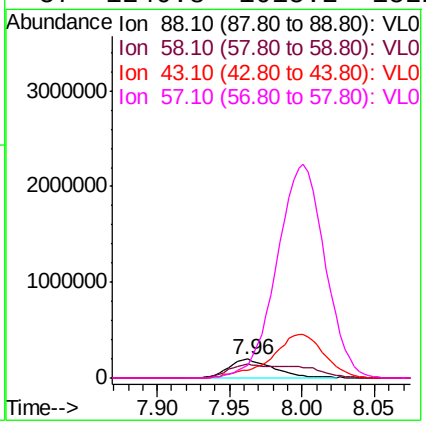


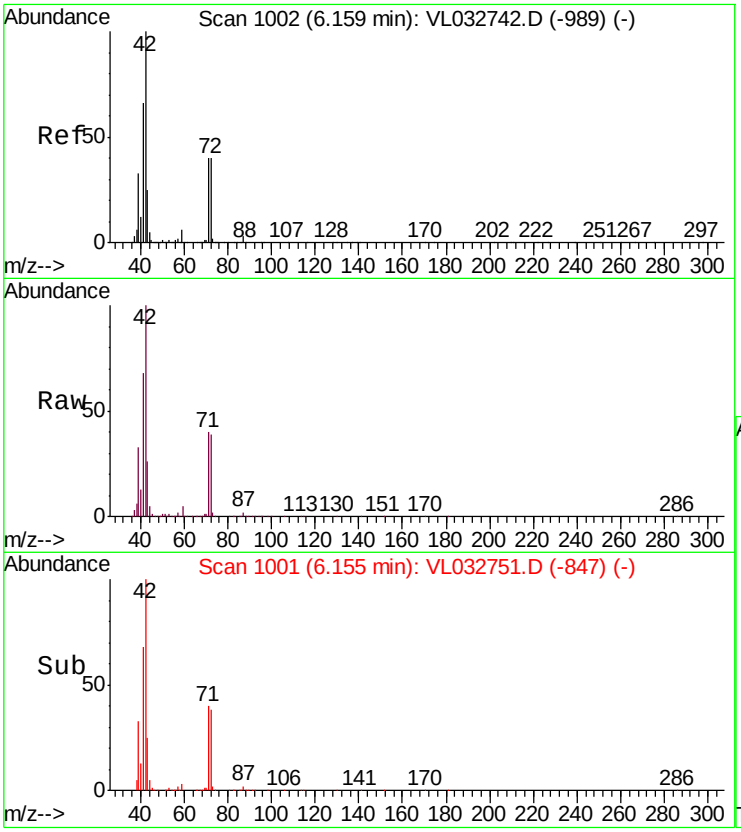


#40
1,4-Dioxane
Concen: 9.622 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 88 Resp: 416663

Ion	Ratio	Lower	Upper
88	100		
58	131.2	105.3	157.9
43	278.5	226.1	339.1
57	1240.8	1015.2	1522.8



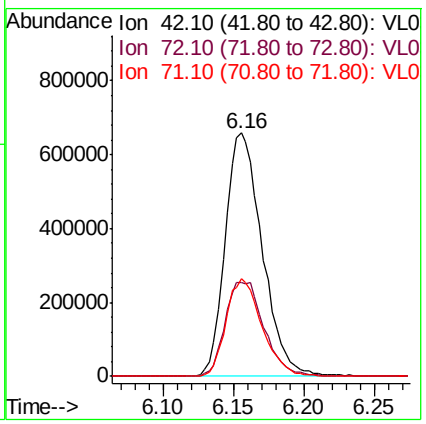


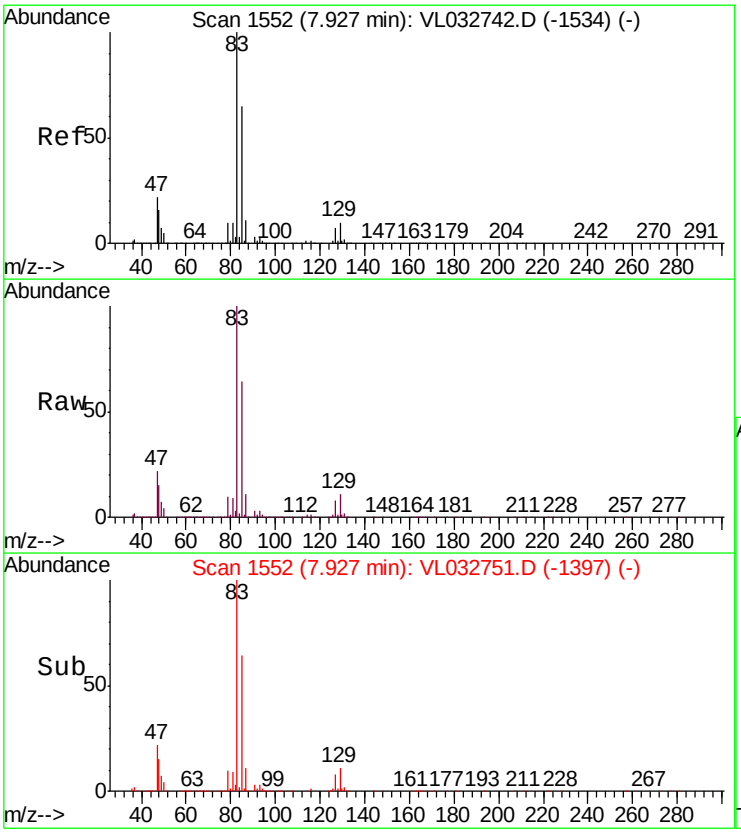
#41
Tetrahydrofuran
Concen: 10.177 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Tgt Ion: 42 Resp: 1209919

Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.4	48.6
71	39.2	31.6	47.4

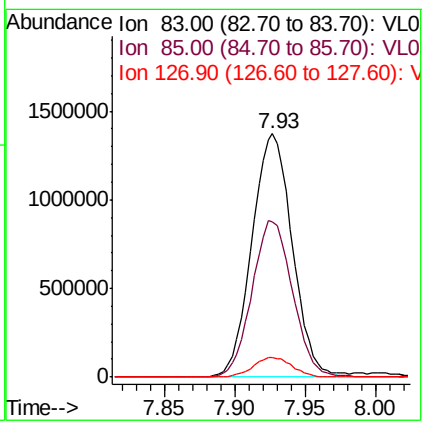


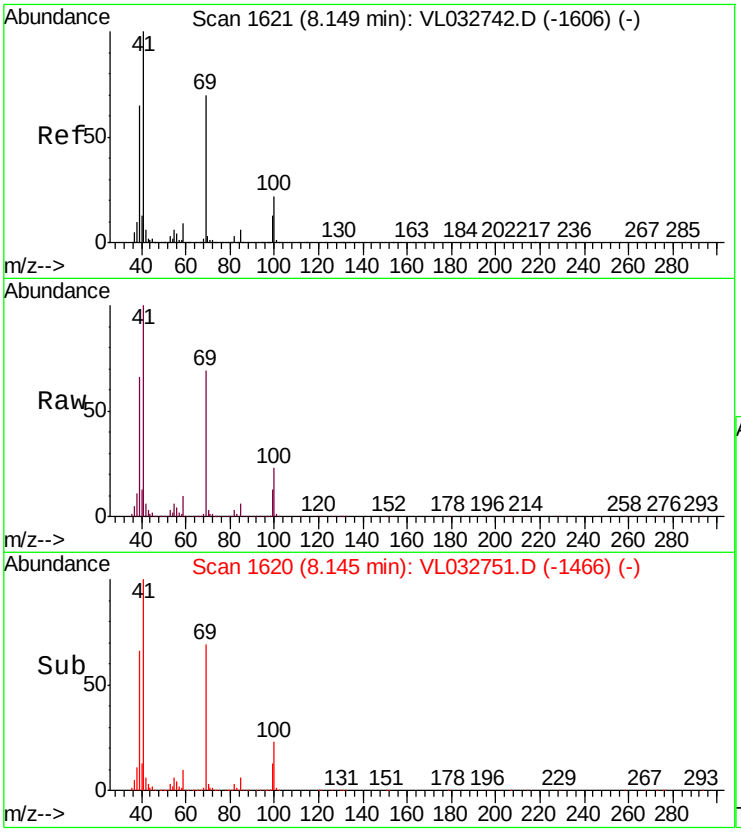


#42
Bromodichloromethane
Concen: 9.426 ppbv
RT: 7.93 min Scan# 1552
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 83 Resp: 2737243

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.8
127	8.0	5.9	8.9



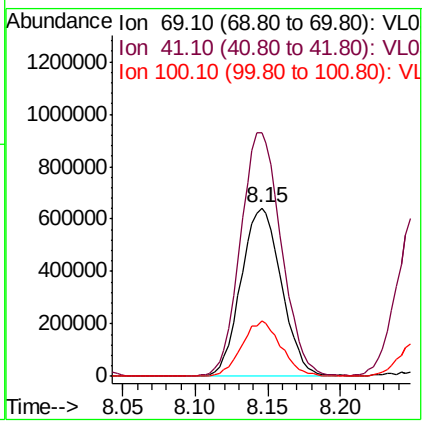


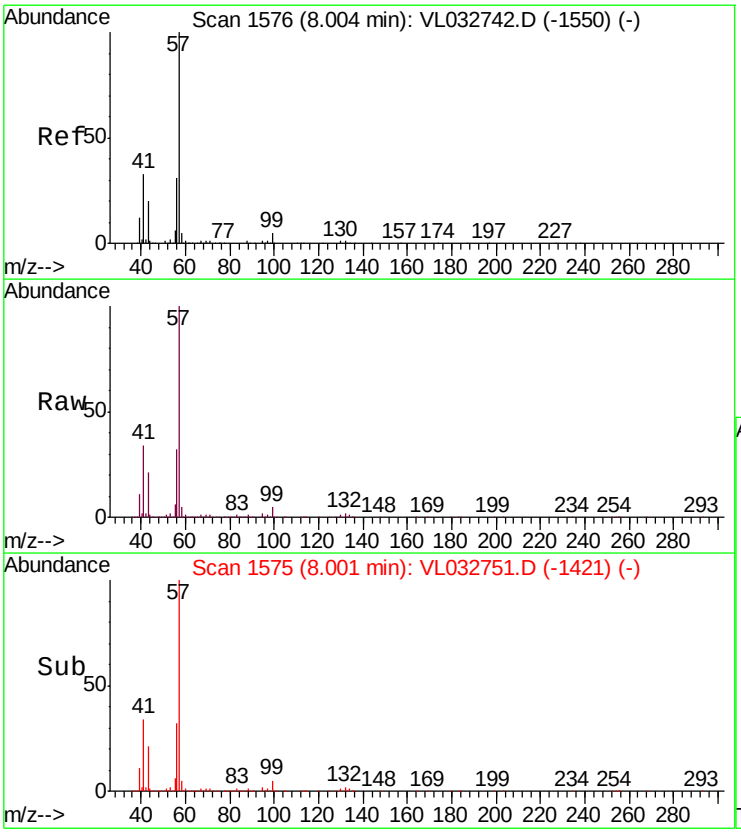
#43
Methyl Methacrylate
Concen: 10.514 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Tgt Ion: 69 Resp: 1249069

Ion	Ratio	Lower	Upper
69	100		
41	145.4	115.0	172.4
100	31.9	25.4	38.0

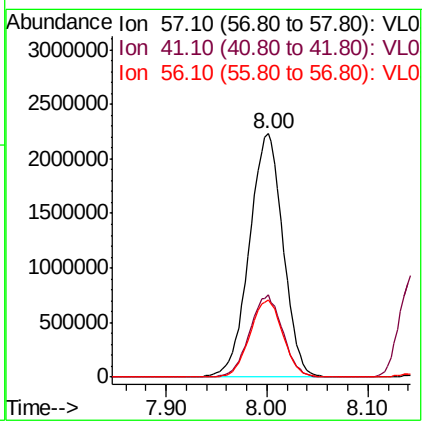


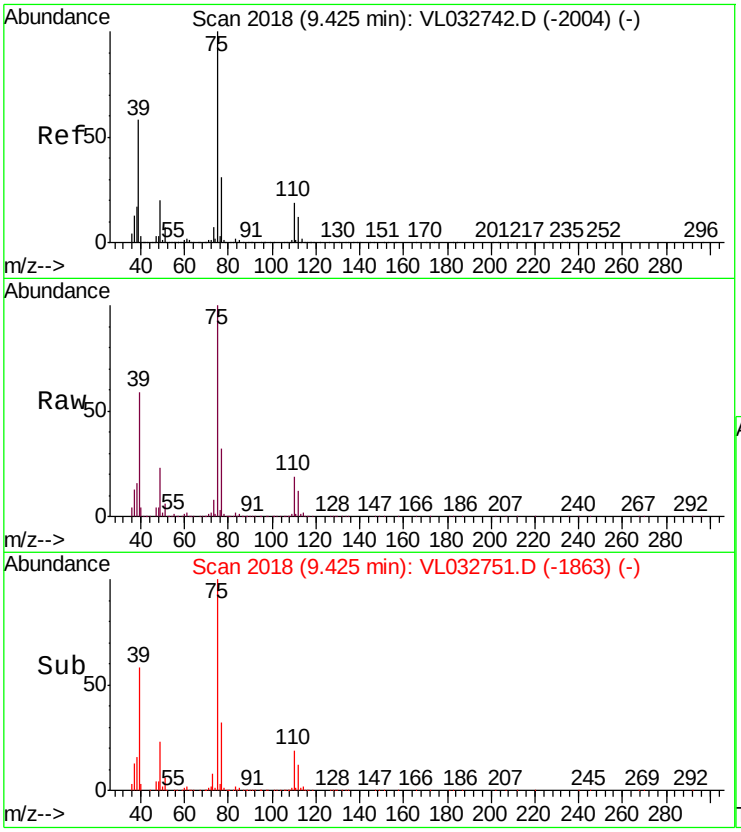


#44
2,2,4-Trimethylpentane
Concen: 9.713 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 57 Resp: 5165185

Ion	Ratio	Lower	Upper
57	100		
41	32.7	26.6	39.8
56	31.1	24.8	37.2



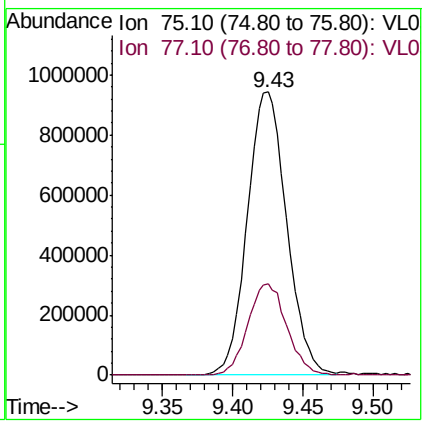


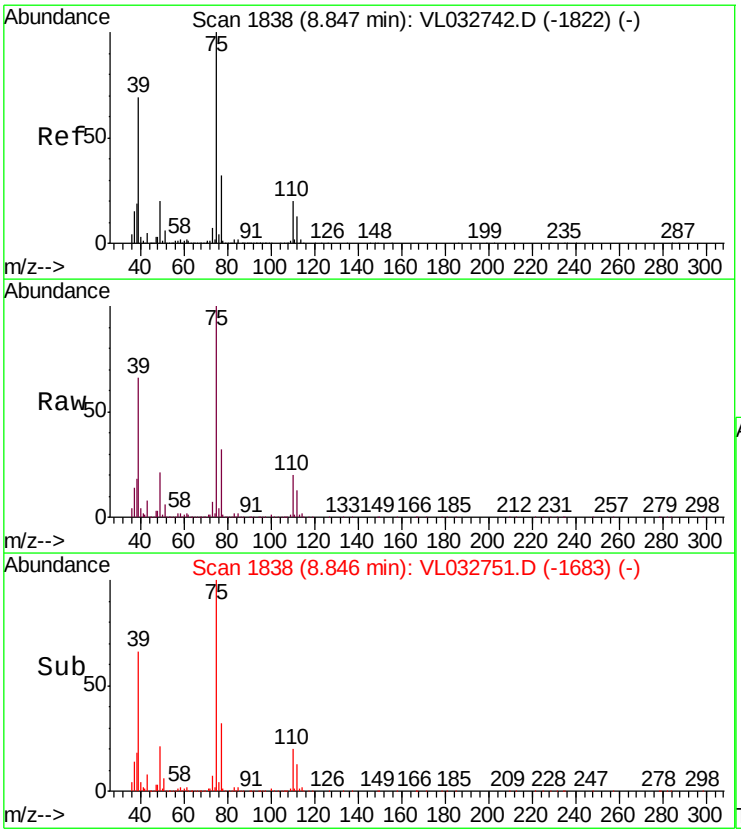
#45
t-1,3-Dichloropropene
Concen: 11.579 ppbv
RT: 9.43 min Scan# 2018
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS01

Tgt Ion: 75 Resp: 1845799

Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.6	36.8

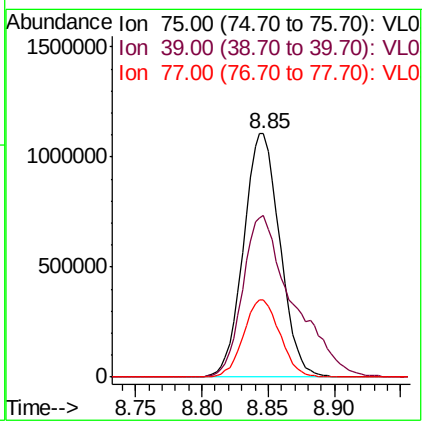


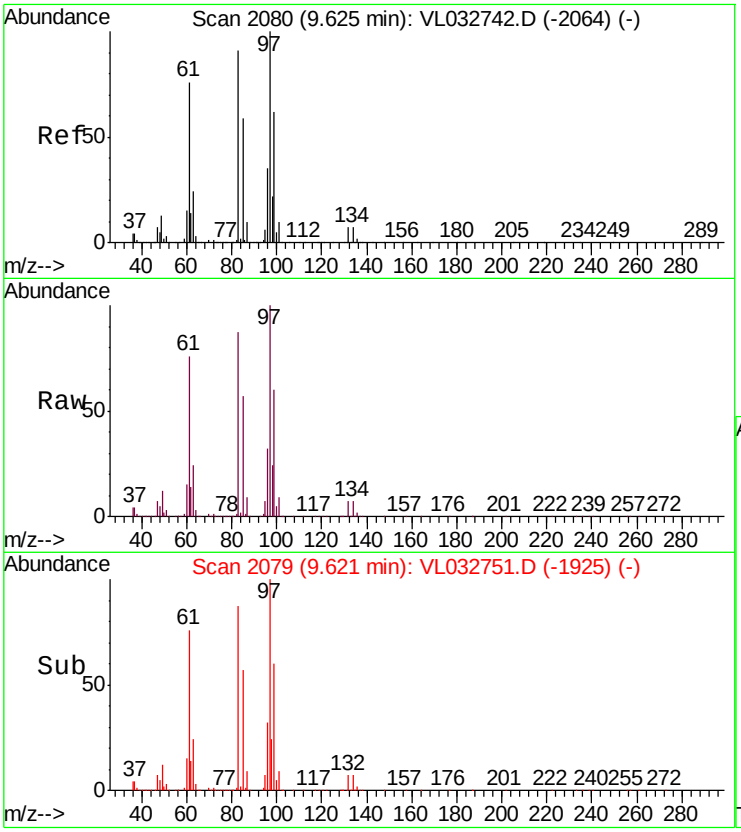


#46
cis-1,3-Dichloropropene
Concen: 10.955 ppbv
RT: 8.85 min Scan# 1838
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 75 Resp: 2109911

Ion	Ratio	Lower	Upper
75	100		
39	66.1	55.2	82.8
77	31.9	25.8	38.6



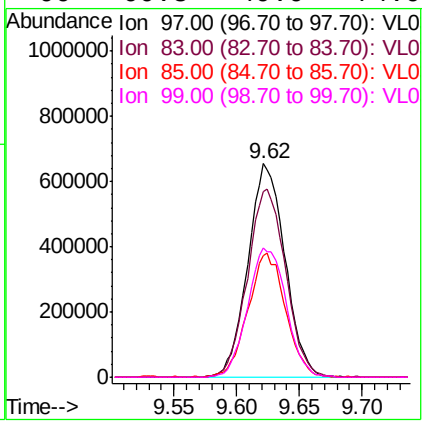


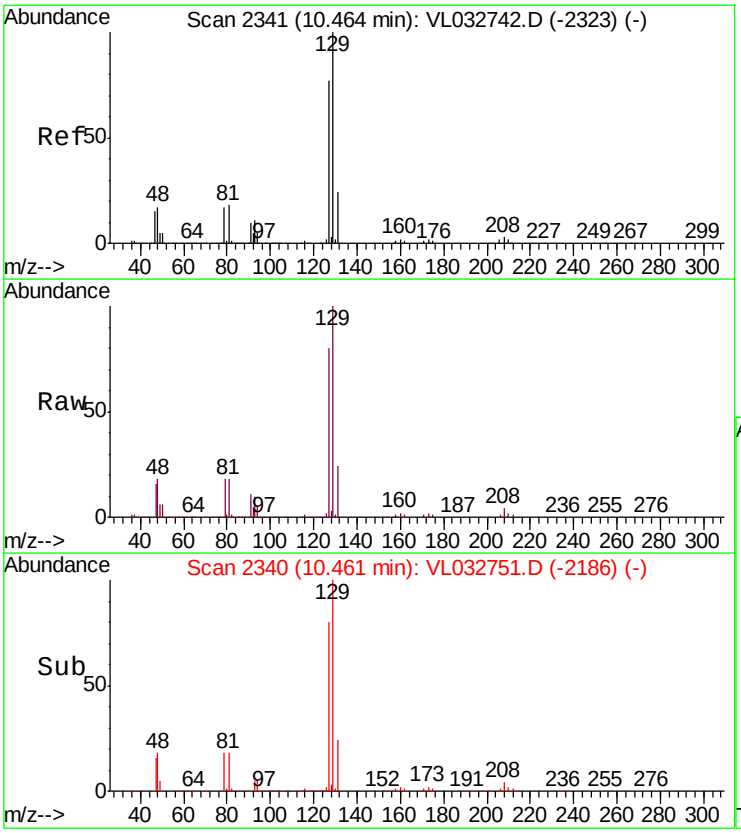
#47
1,1,2-Trichloroethane
Concen: 9.383 ppbv
RT: 9.62 min Scan# 2079
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS01

Tgt Ion: 97 Resp: 1345254

Ion	Ratio	Lower	Upper
97	100		
83	86.6	73.0	109.4
85	56.9	47.0	70.4
99	60.3	49.9	74.9

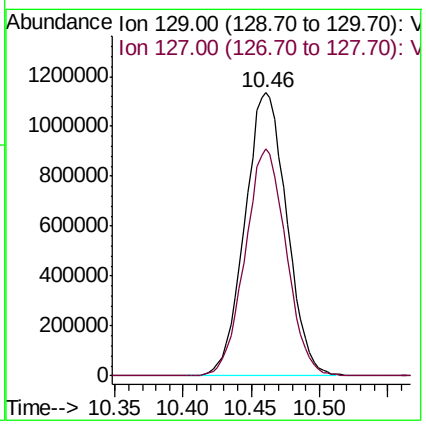


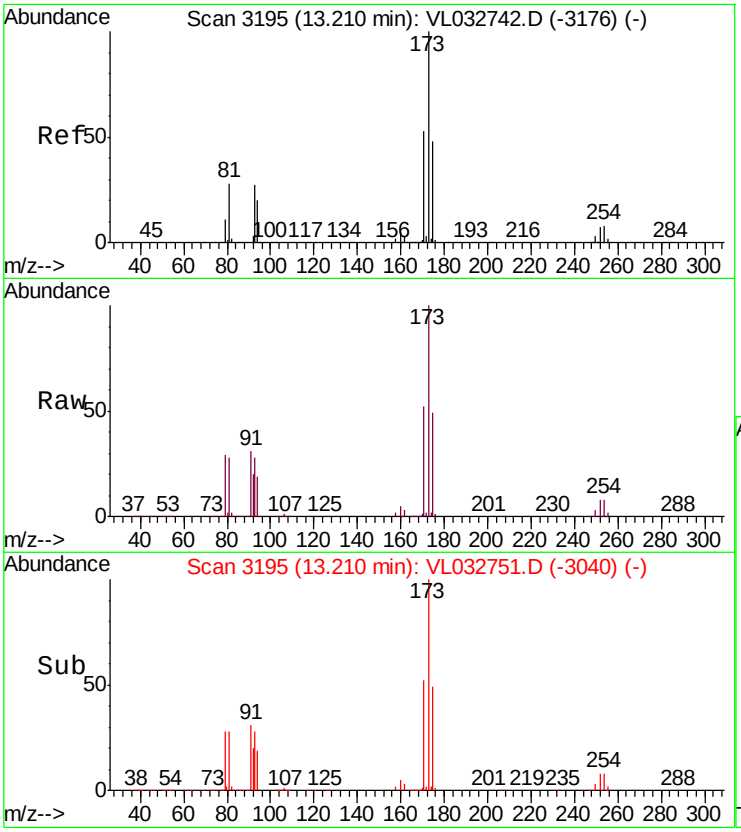


#48
Dibromochloromethane
Concen: 9.931 ppbv
RT: 10.46 min Scan# 2340
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion:129 Resp: 2419834

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.0	117.0



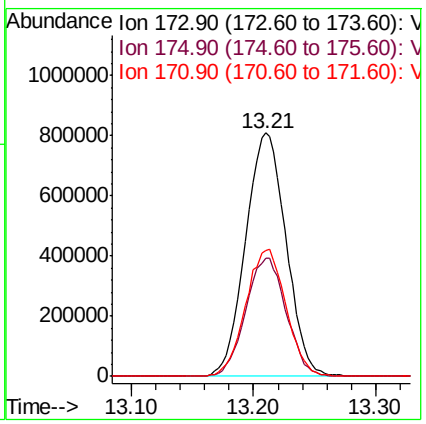


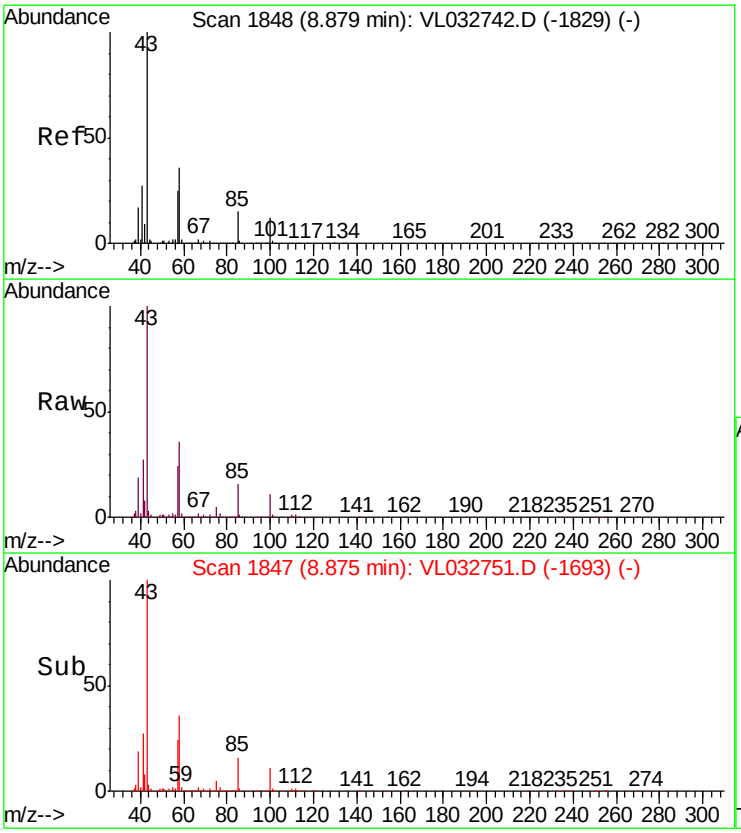
#49
Bromoform
Concen: 9.226 ppbv
RT: 13.21 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Tgt Ion:173 Resp: 1856518

Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.4	59.0
171	51.8	42.0	63.0

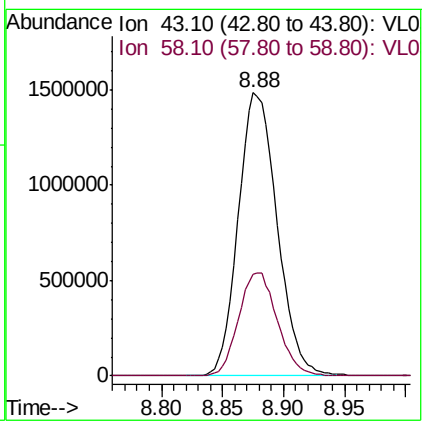


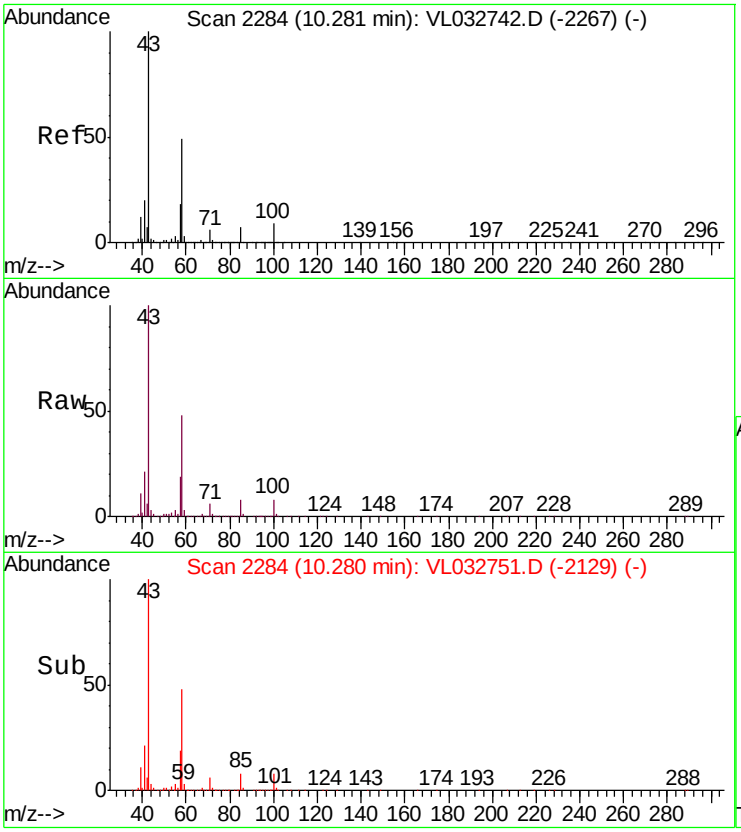


#50
4-Methyl-2-Pentanone
Concen: 10.096 ppbv
RT: 8.88 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 43 Resp: 3268342

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.8	43.2



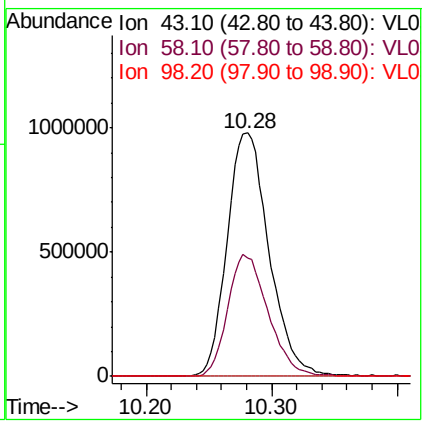


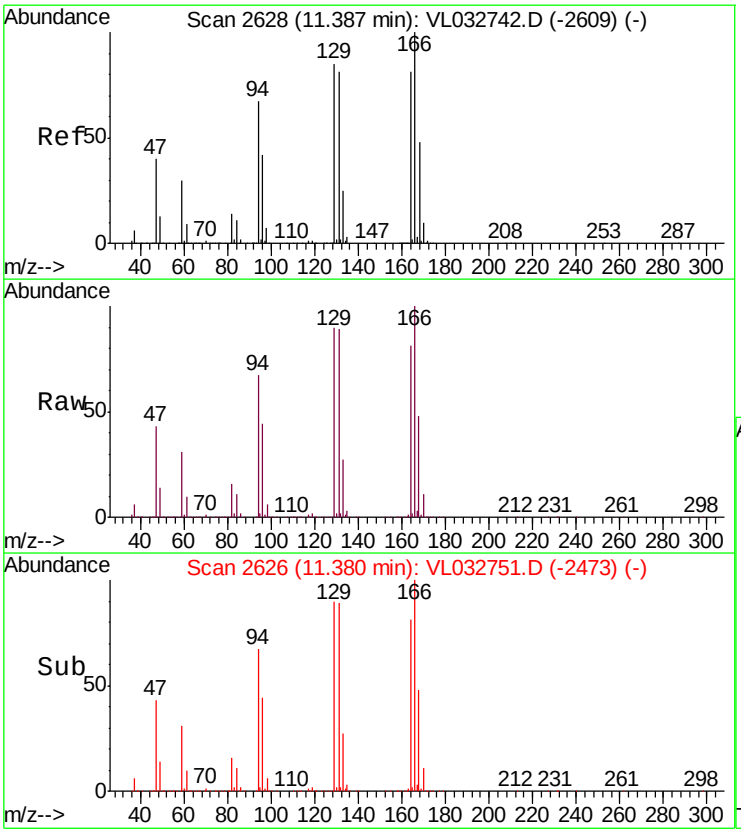
#51
2-Hexanone
Concen: 10.857 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Tgt Ion: 43 Resp: 2264336

Ion	Ratio	Lower	Upper
43	100		
58	48.6	38.9	58.3
98	0.4	0.2	0.4#

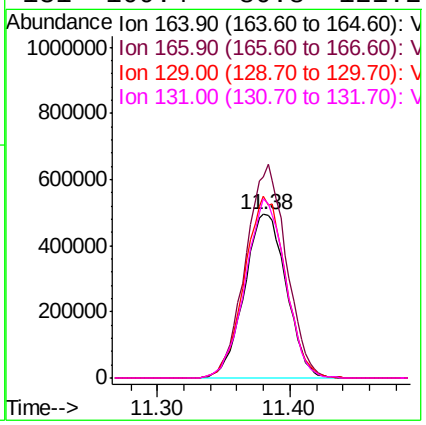


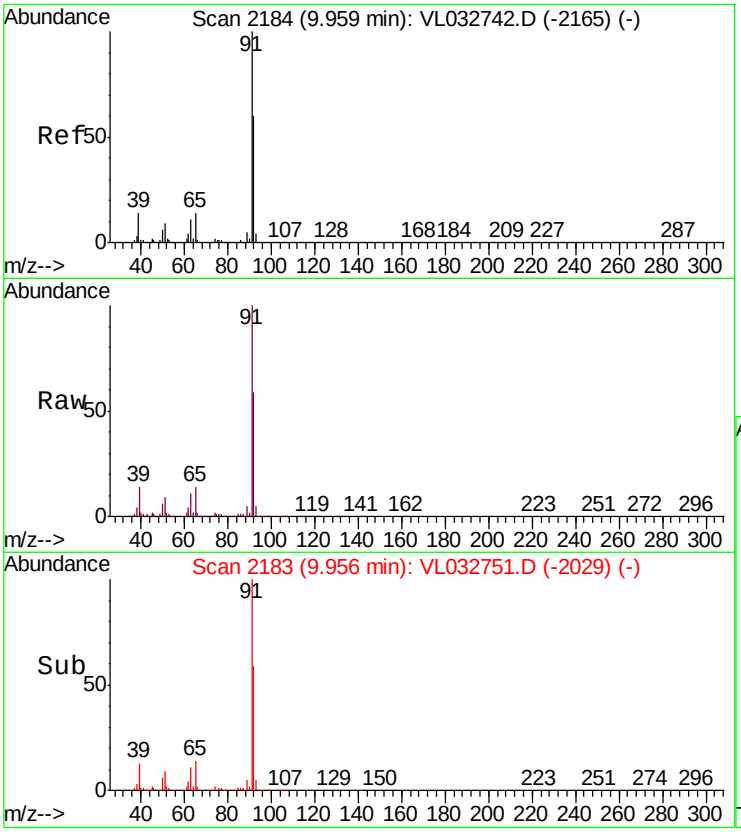


#52
Tetrachloroethene
Concen: 9.809 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. -0.01 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion:164 Resp: 1085809

Ion	Ratio	Lower	Upper
164	100		
166	123.0	99.3	148.9
129	111.3	83.9	125.9
131	109.4	80.8	121.2



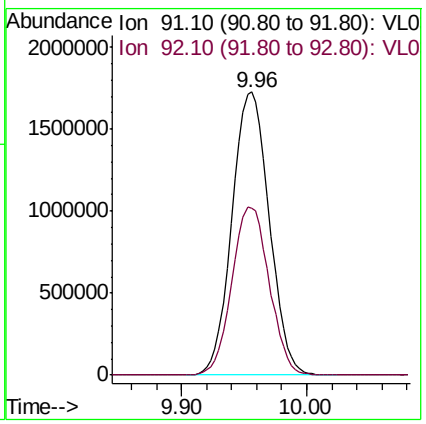


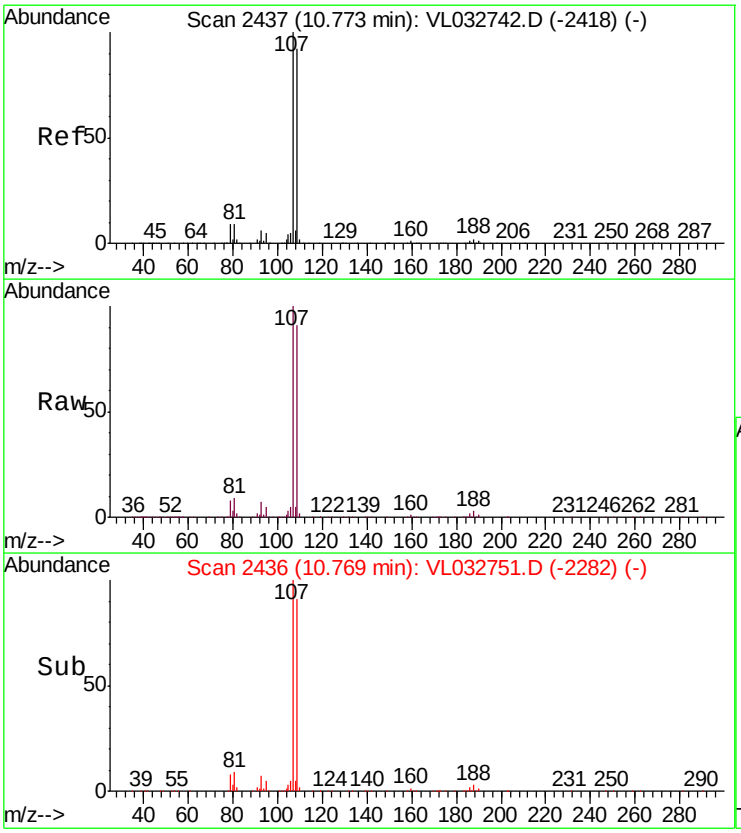
#53
Toluene
Concen: 10.728 ppbv
RT: 9.96 min Scan# 2183
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Tgt Ion: 91 Resp: 3561490

Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.9	71.9

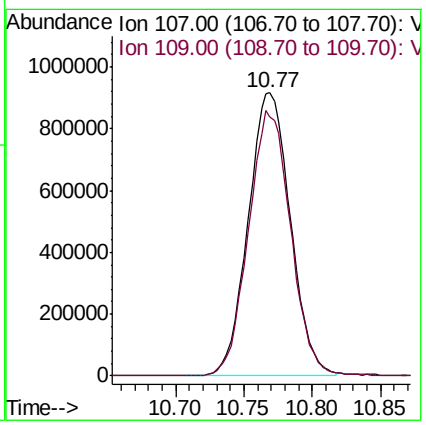


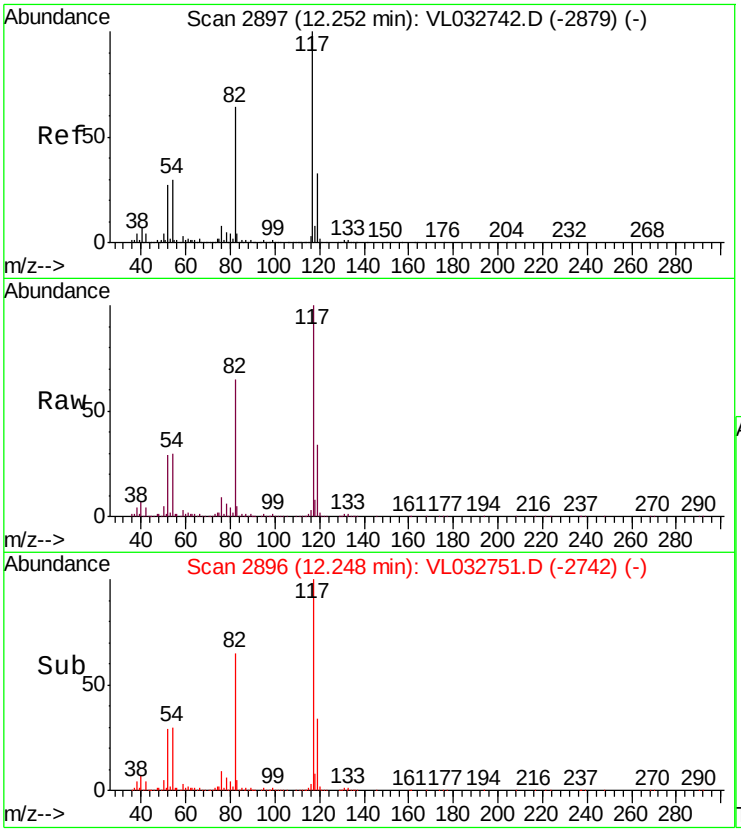


#54
1,2-Dibromoethane
Concen: 9.699 ppbv
RT: 10.77 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion:107 Resp: 1965648

Ion	Ratio	Lower	Upper
107	100		
109	91.3	73.8	110.8



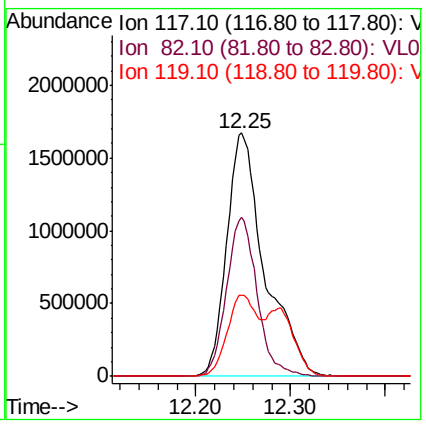


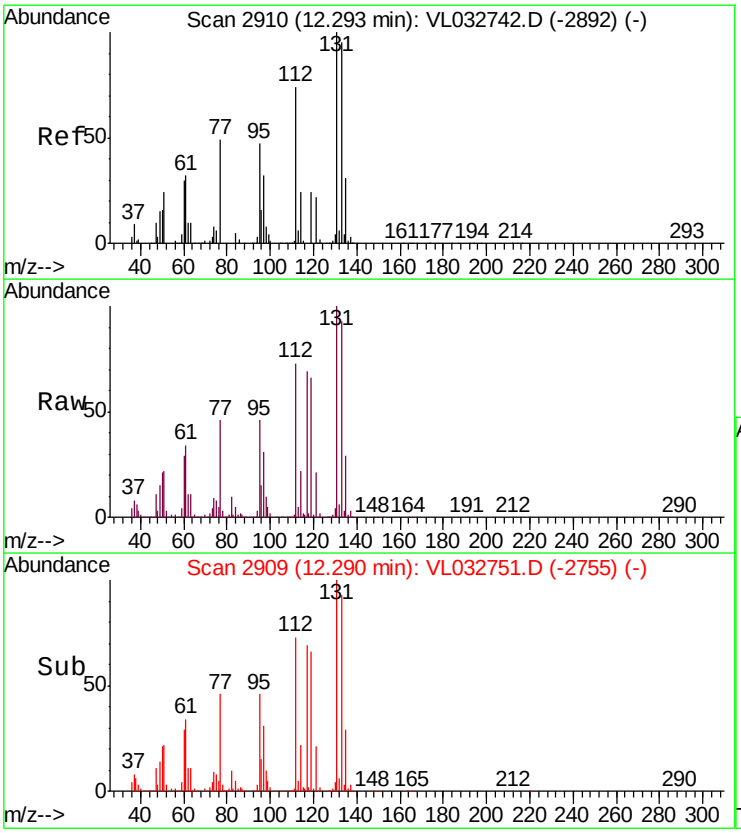
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS01

Tgt Ion:117 Resp: 4667041

Ion	Ratio	Lower	Upper
117	100		
82	52.8	51.0	76.6
119	27.0	28.0	42.0#

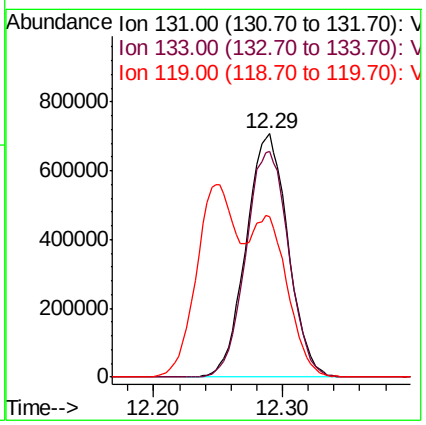


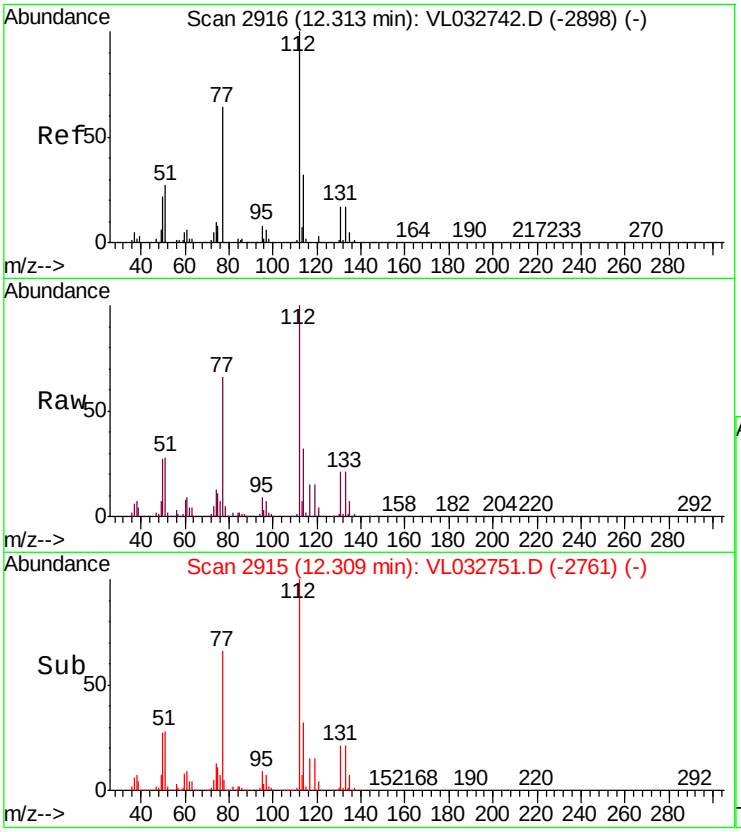


#56
1,1,1,2-Tetrachloroethane
Concen: 7.371 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion:131 Resp: 1604562

Ion	Ratio	Lower	Upper
131	100		
133	95.0	75.8	113.6
119	53.7	45.2	67.8



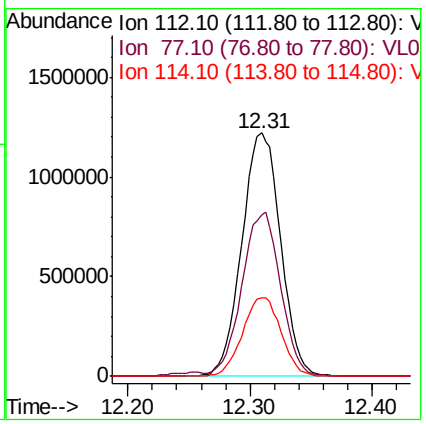


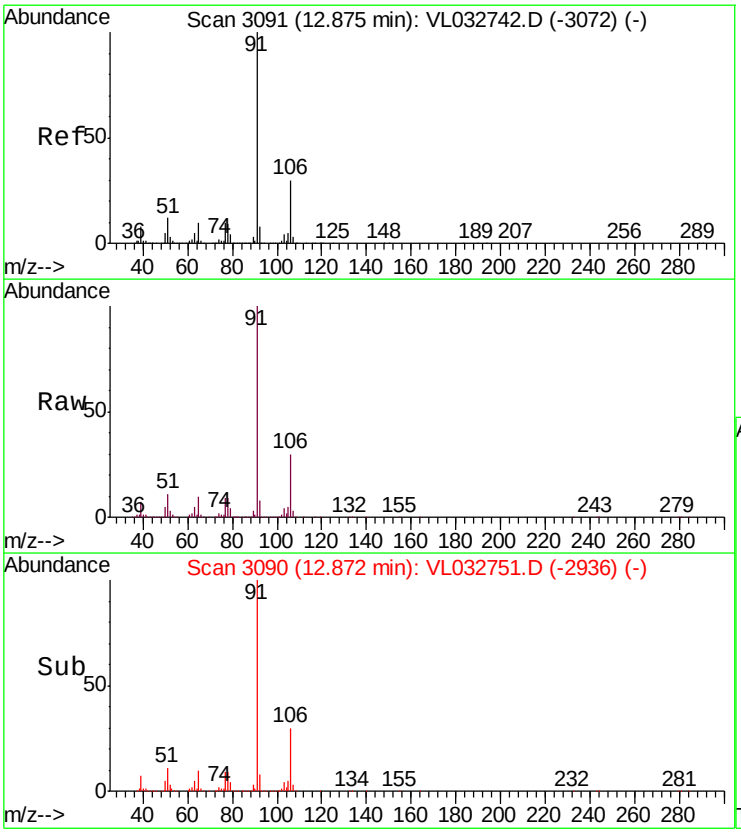
#57
Chlorobenzene
Concen: 7.474 ppbv
RT: 12.31 min Scan# 2915
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Tgt Ion:112 Resp: 2670020

Ion	Ratio	Lower	Upper
112	100		
77	66.3	52.3	78.5
114	32.1	28.4	34.8

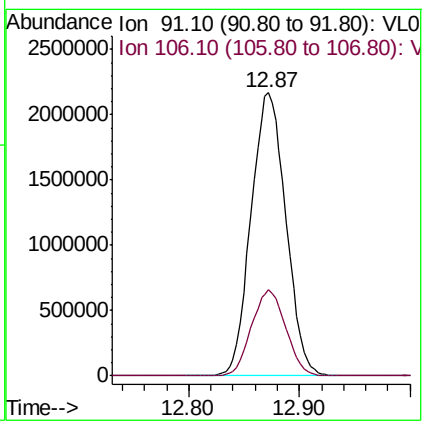


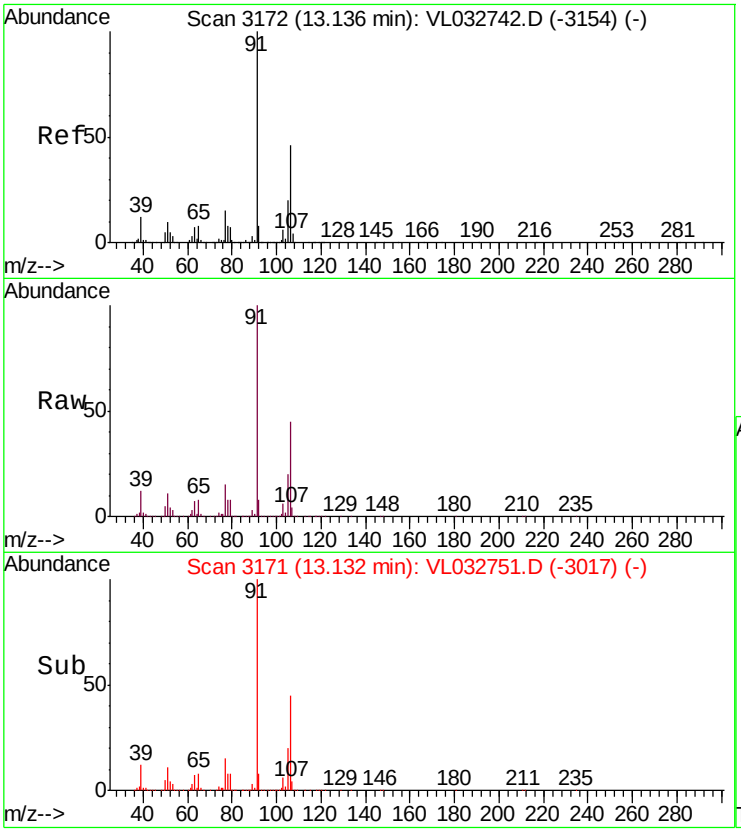


#58
Ethyl Benzene
Concen: 8.412 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 91 Resp: 4724979

Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.6	35.4



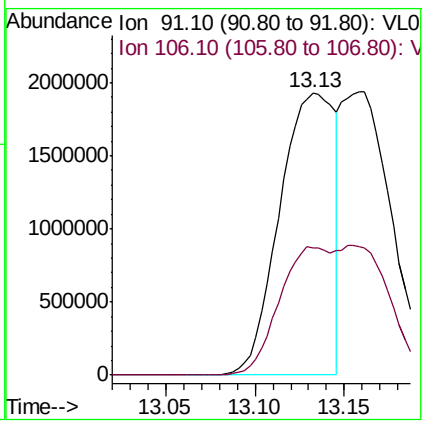


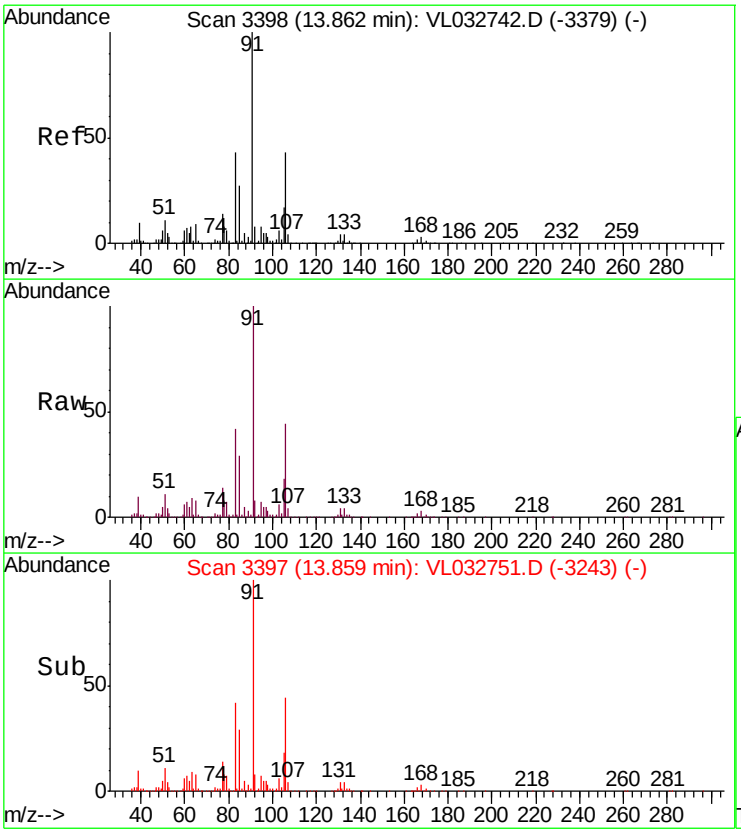
#59
m/p-Xylene
Concen: 8.205 ppbv
RT: 13.13 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Tgt Ion: 91 Resp: 4102553

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#

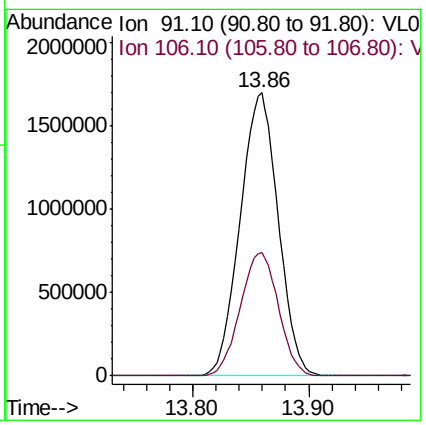


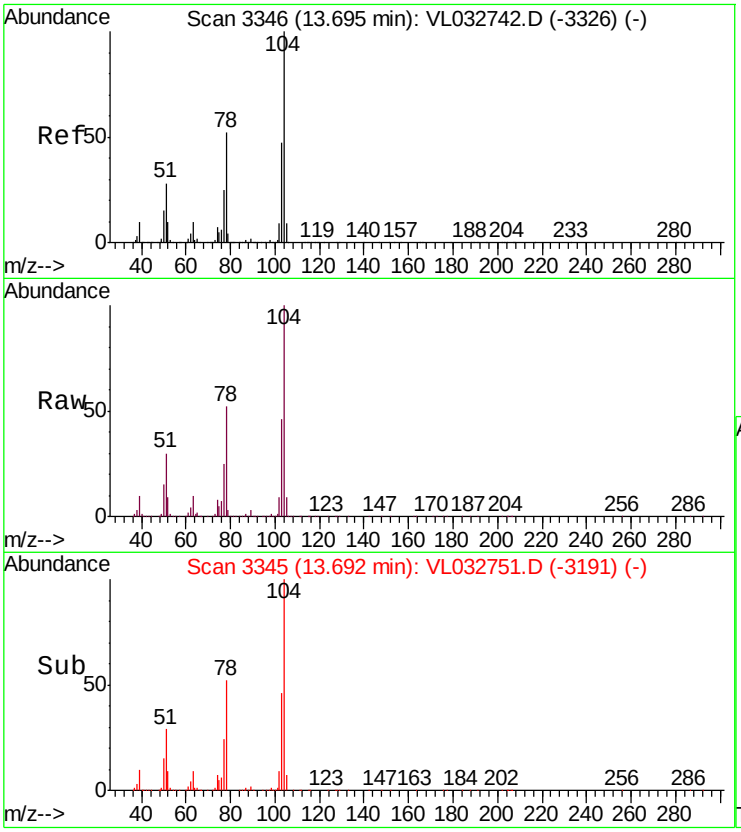


#60
o-Xylene
Concen: 7.694 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 91 Resp: 3868306

Ion	Ratio	Lower	Upper
91	100		
106	43.8	21.9	65.7



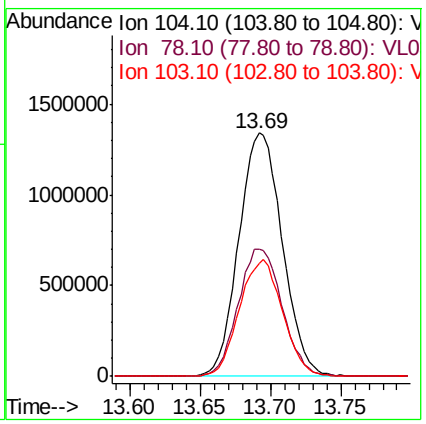


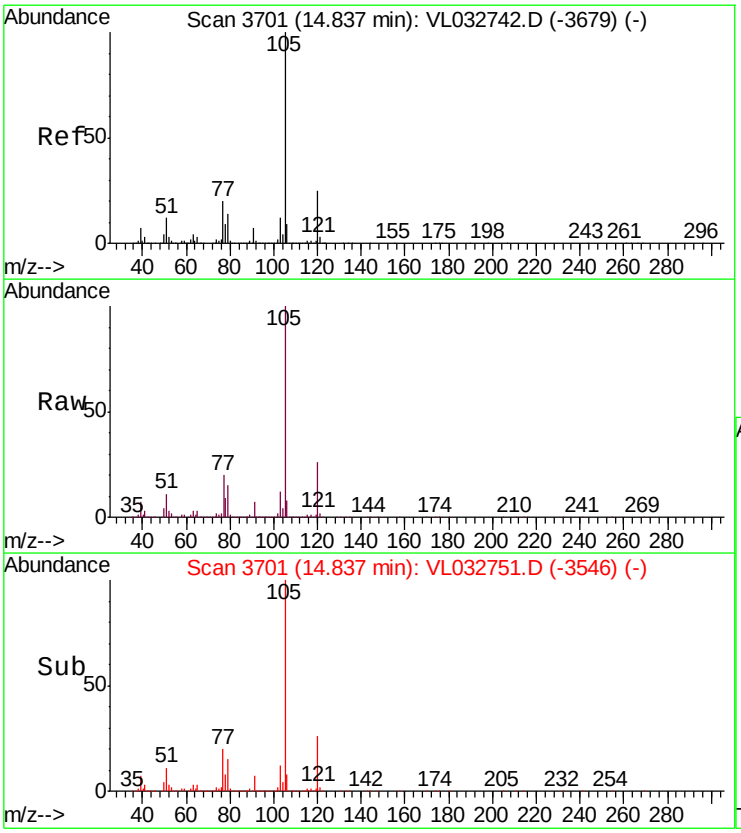
#61
Styrene
Concen: 8.806 ppbv
RT: 13.69 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Tgt Ion:104 Resp: 2882012

Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.2	63.4
103	47.9	38.2	57.2

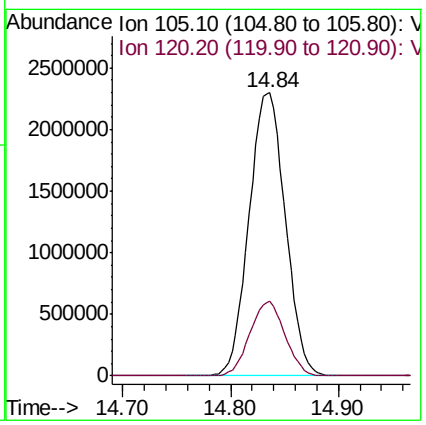


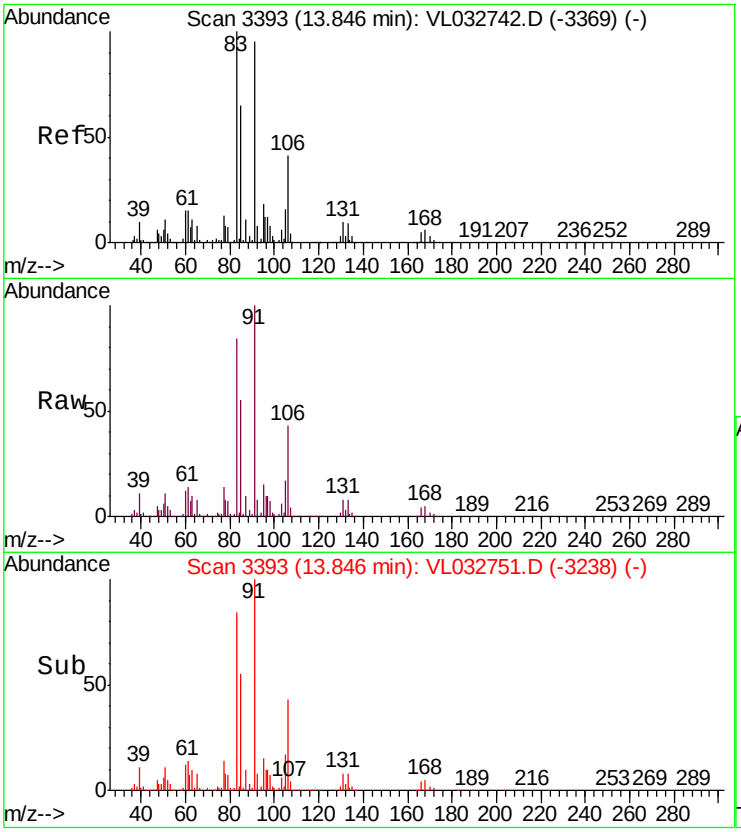


#62
Isopropylbenzene
Concen: 7.893 ppbv
RT: 14.84 min Scan# 3701
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion:105 Resp: 5363841

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.1	30.1



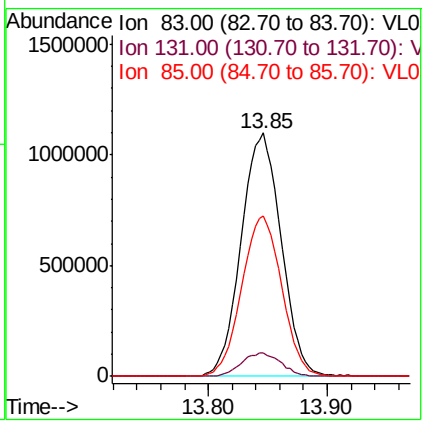


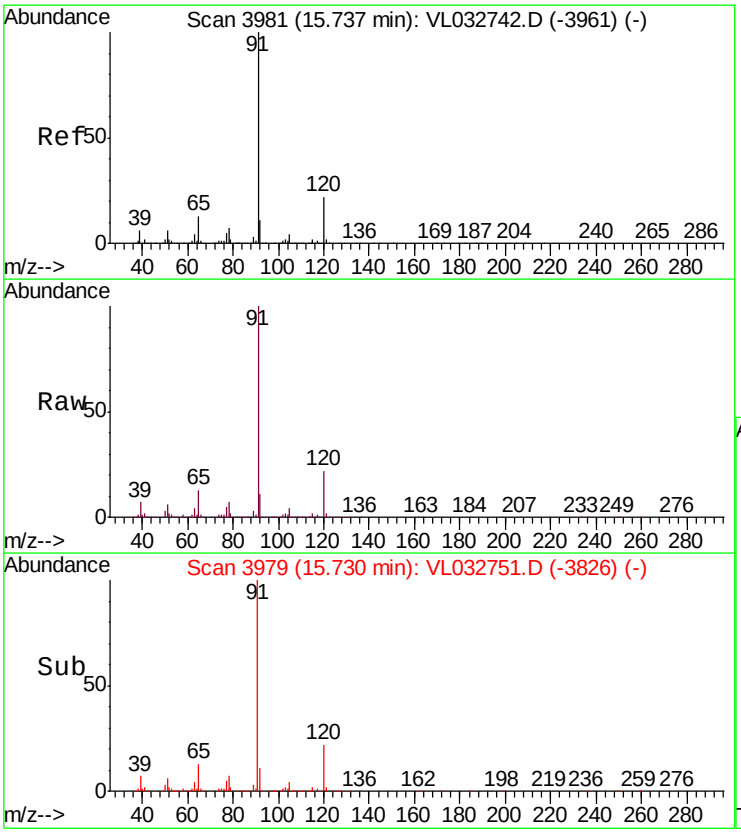
#63
1,1,2,2-Tetrachloroethane
Concen: 6.529 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Tgt Ion: 83 Resp: 2558686

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.7	14.1
85	65.9	32.5	97.4

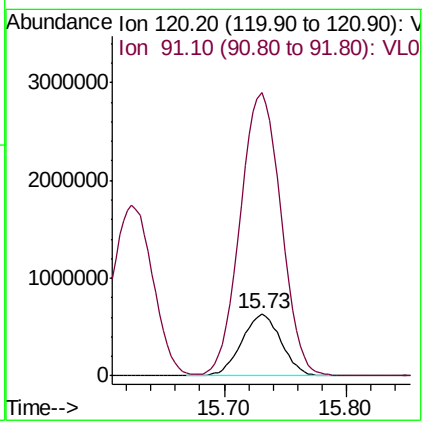


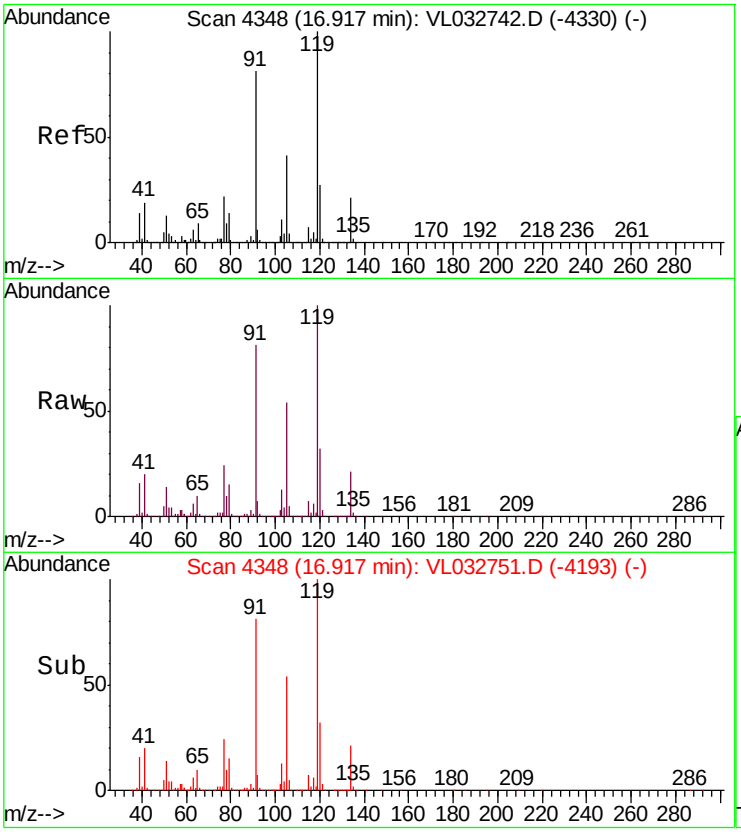


#64
n-propylbenzene
Concen: 7.886 ppbv
RT: 15.73 min Scan# 3979
Delta R.T. -0.01 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion:120 Resp: 1409563

Ion	Ratio	Lower	Upper
120	100		
91	478.0	381.7	572.5



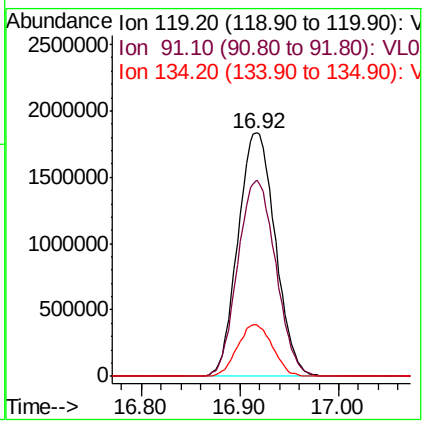


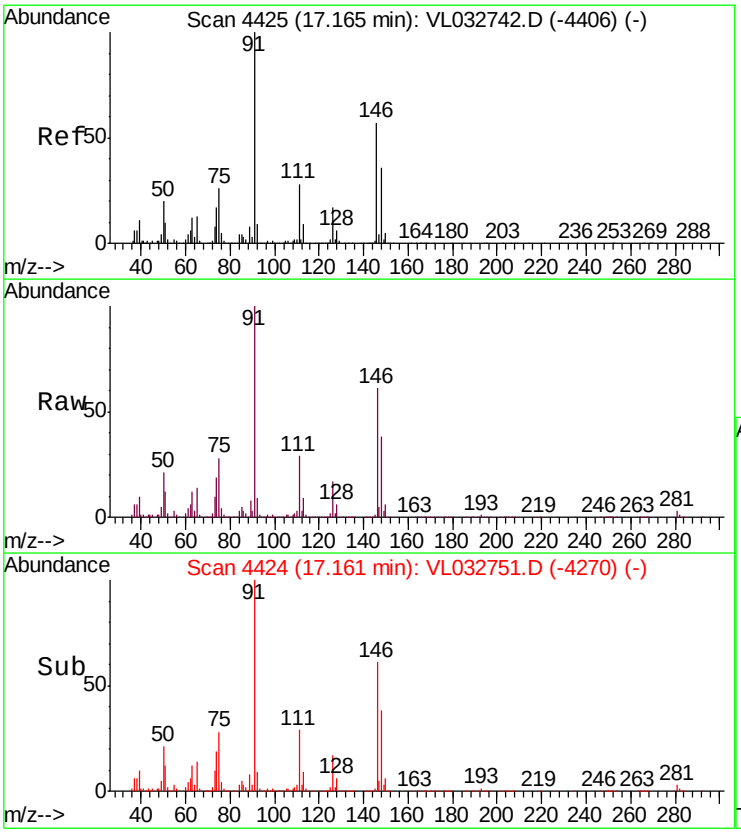
#65
tert-Butylbenzene
Concen: 7.883 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS01

Tgt Ion:119 Resp: 4801790

Ion	Ratio	Lower	Upper
119	100		
91	82.1	65.6	98.4
134	19.9	15.9	23.9

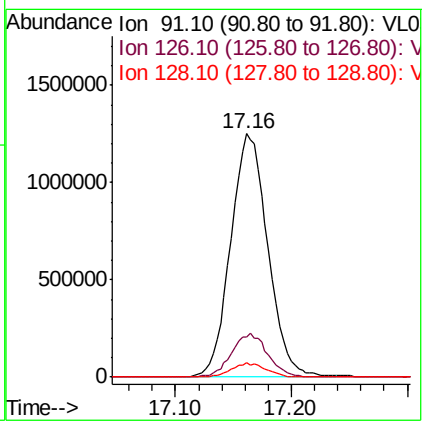


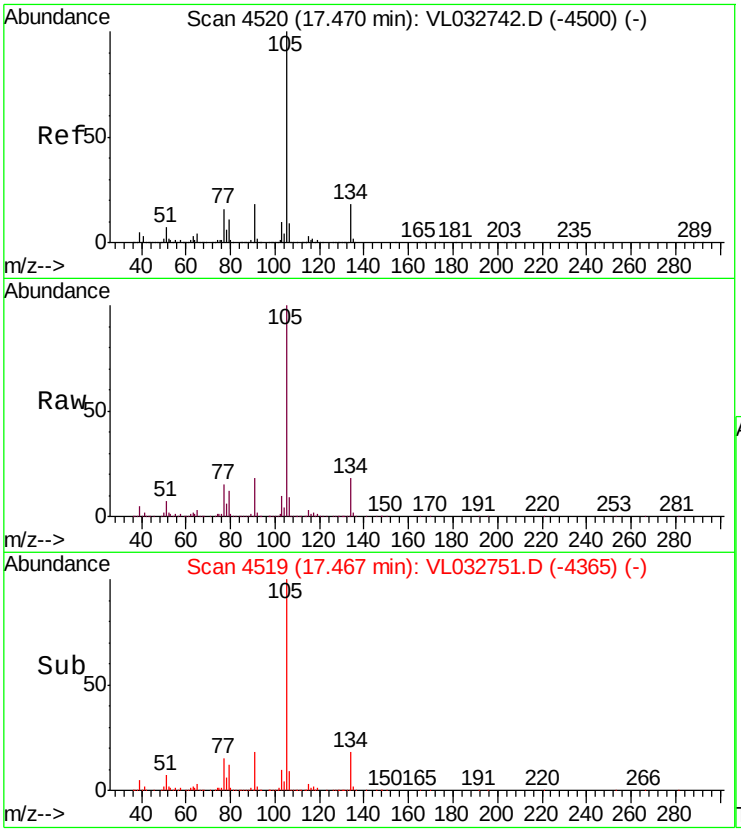


#66
Benzyl Chloride
Concen: 8.232 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 91 Resp: 2772230

Ion	Ratio	Lower	Upper
91	100		
126	17.6	14.2	21.2
128	5.5	4.5	6.7



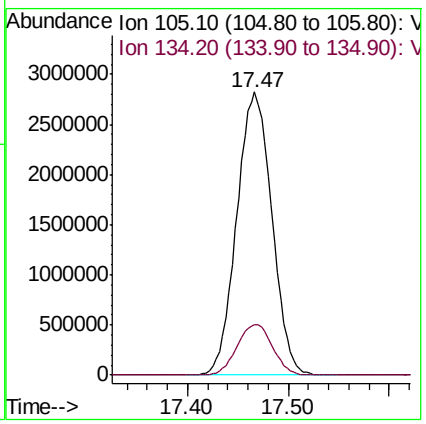


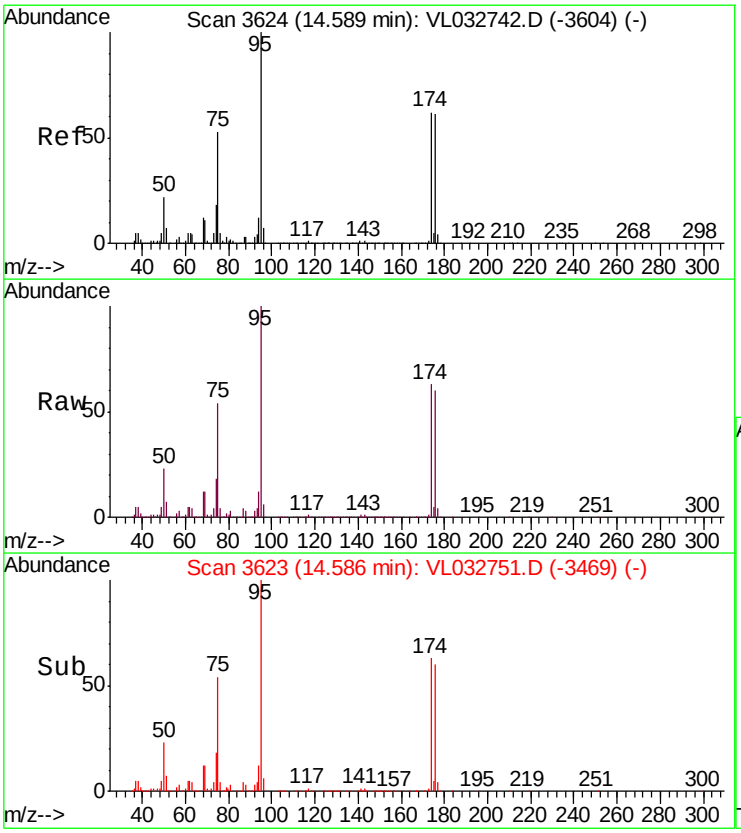
#67
sec-Butylbenzene
Concen: 7.756 ppbv
RT: 17.47 min Scan# 4519
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Tgt Ion:105 Resp: 6809287

Ion	Ratio	Lower	Upper
105	100		
134	18.1	14.6	21.8

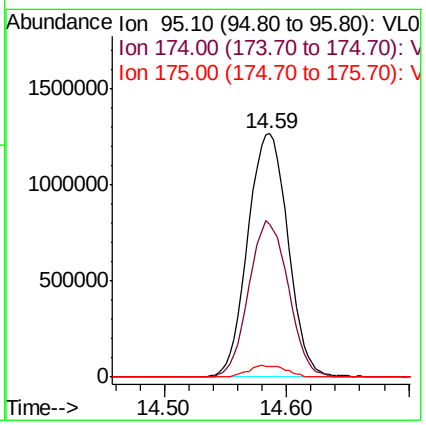


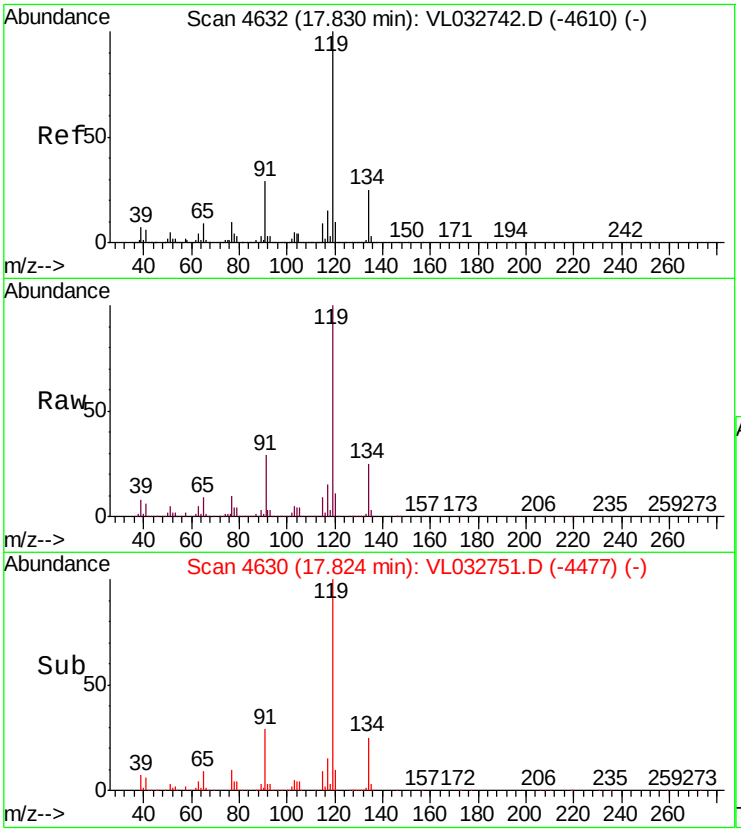


#68
1-Bromo-4-Fluorobenzene
Concen: 8.259 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 95 Resp: 2882929

Ion	Ratio	Lower	Upper
95	100		
174	63.6	50.7	76.1
175	4.7	3.8	5.6



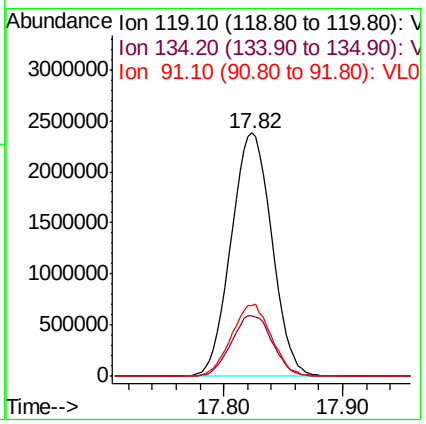


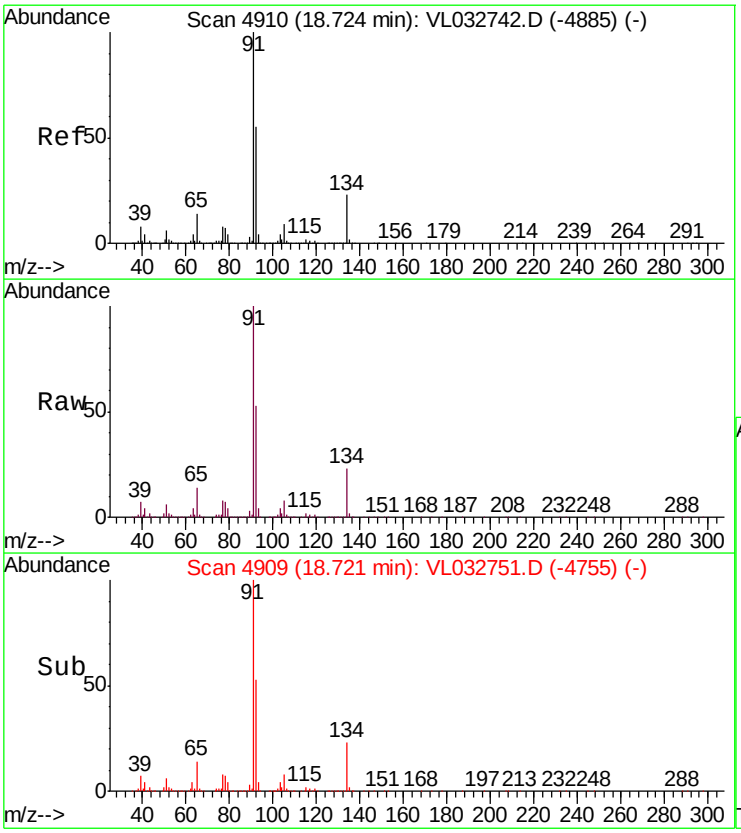
#69
p-Isopropyltoluene
Concen: 8.052 ppbv
RT: 17.82 min Scan# 4630
Delta R.T. -0.01 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Tgt Ion:119 Resp: 5620311

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.2	30.4
91	29.3	23.5	35.3

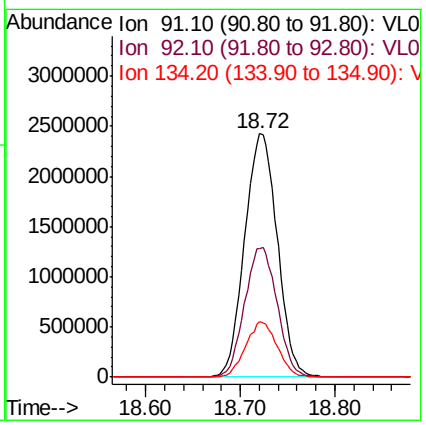


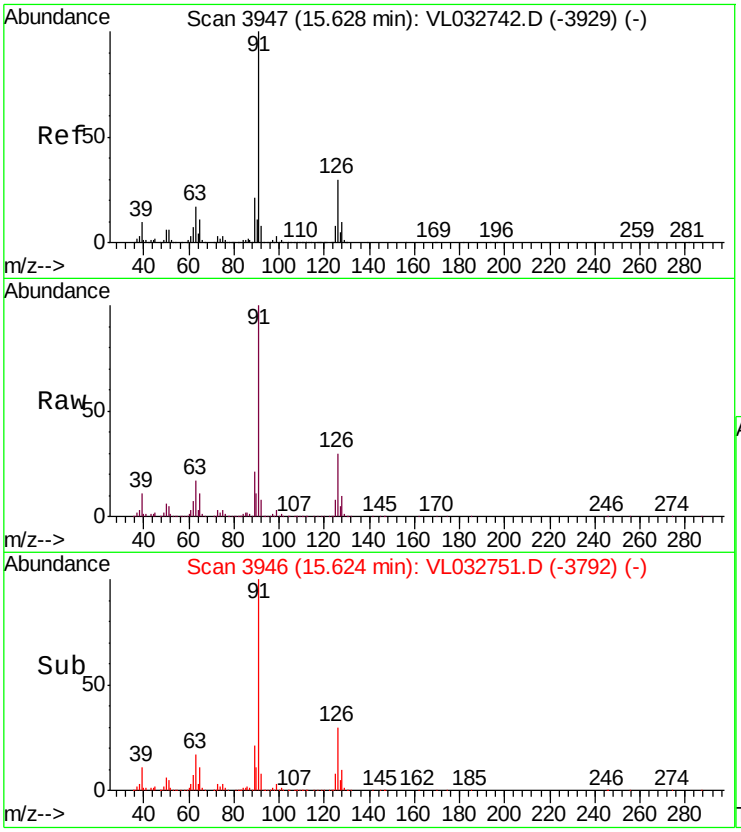


#70
n-Butylbenzene
Concen: 8.179 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion: 91 Resp: 5796865

Ion	Ratio	Lower	Upper
91	100		
92	53.3	42.9	64.3
134	22.0	17.8	26.8



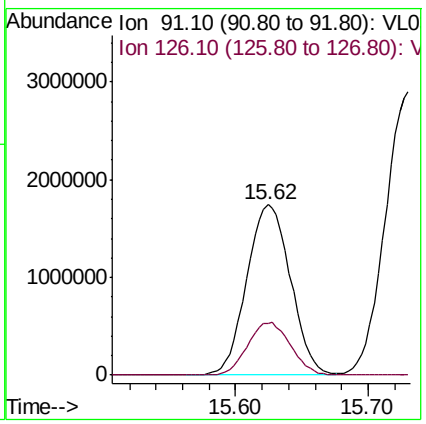


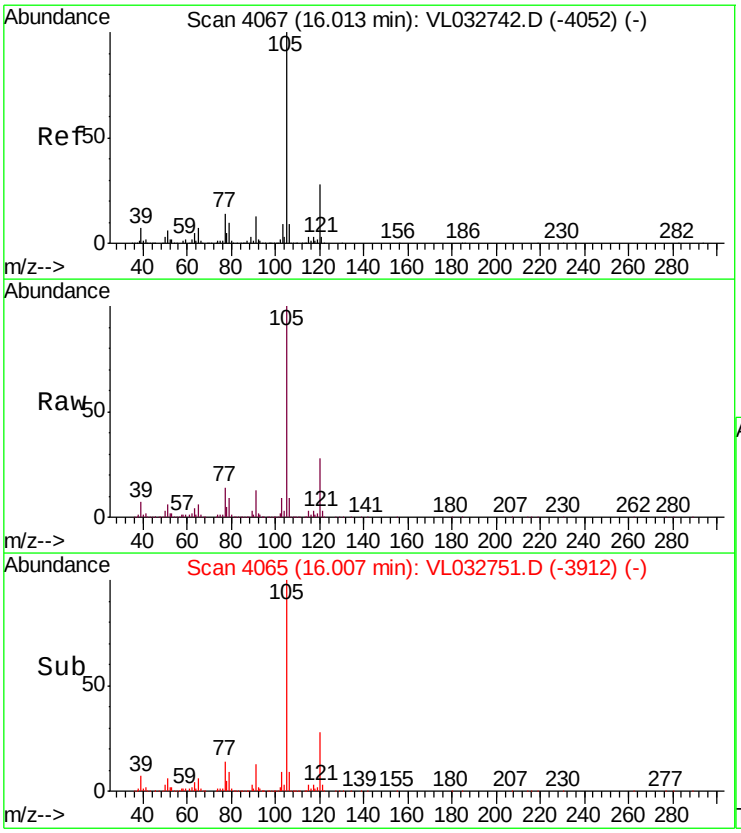
#71
2-Chlorotoluene
Concen: 7.899 ppbv
RT: 15.62 min Scan# 3946
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS01

Tgt Ion: 91 Resp: 4003042

Ion	Ratio	Lower	Upper
91	100		
126	30.5	12.1	48.5

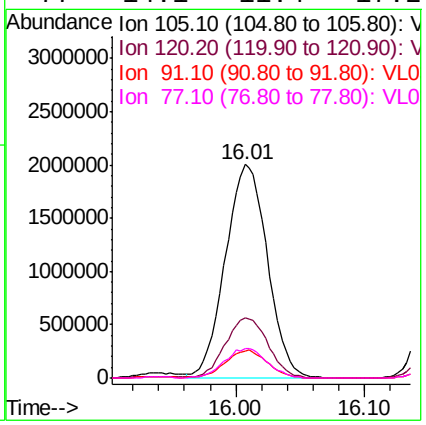


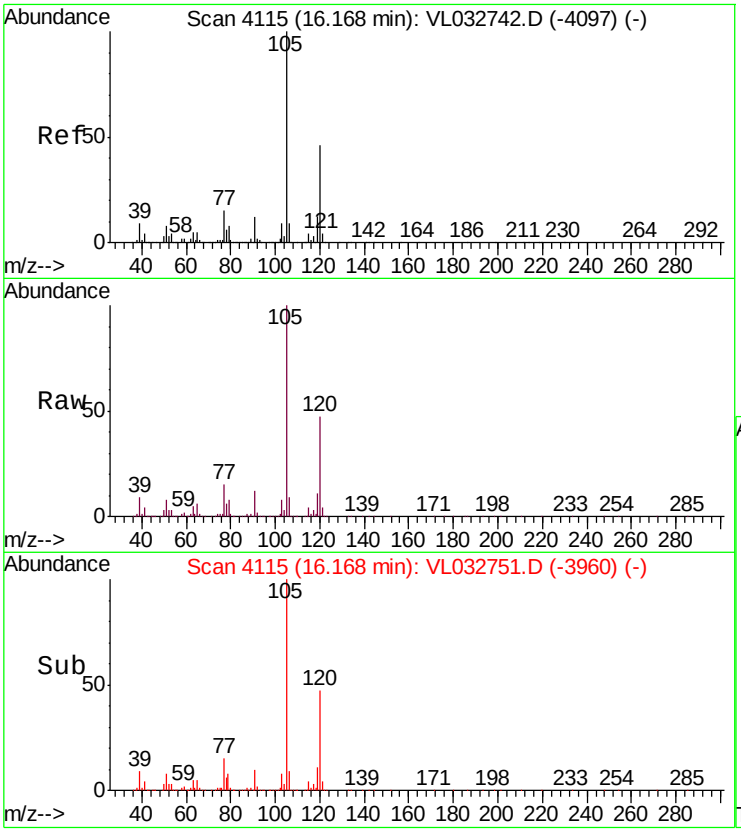


#72
4-Ethyltoluene
Concen: 8.212 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.01 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion:105 Resp: 4525113

Ion	Ratio	Lower	Upper
105	100		
120	28.7	22.9	34.3
91	13.0	10.6	15.8
77	14.1	11.4	17.2



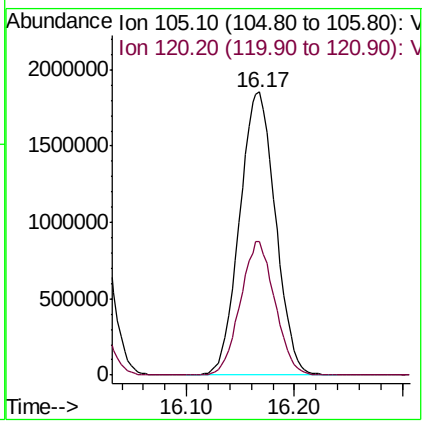


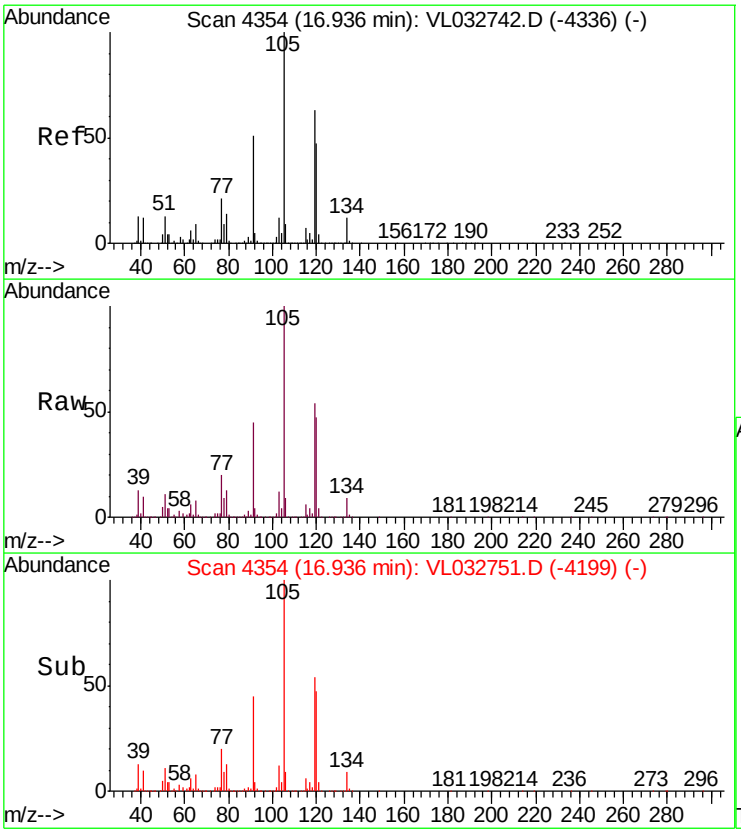
#73
1,3,5-Trimethylbenzene
Concen: 7.939 ppbv
RT: 16.17 min Scan# 4115
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Tgt Ion:105 Resp: 4277624

Ion	Ratio	Lower	Upper
105	100		
120	47.2	36.6	55.0

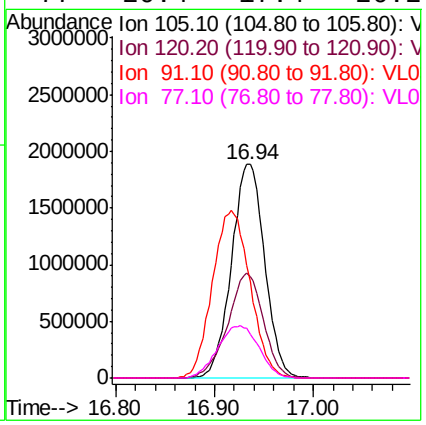


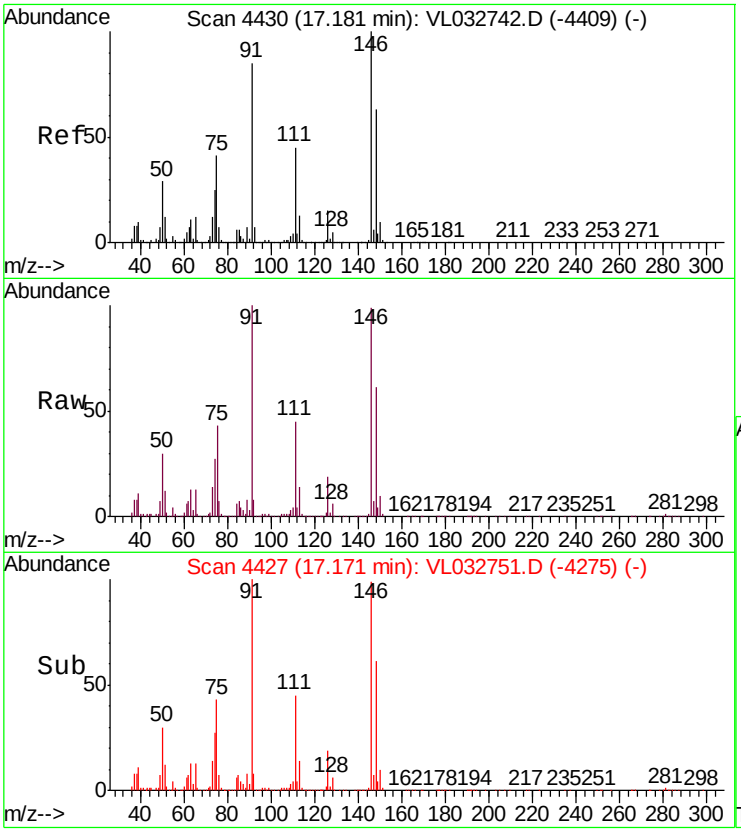


#74
1,2,4-Trimethylbenzene
Concen: 7.640 ppbv
RT: 16.94 min Scan# 4354
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion:105 Resp: 4405113

Ion	Ratio	Lower	Upper
105	100		
120	47.4	37.6	56.4
91	44.9	42.5	63.7
77	20.4	17.4	26.2



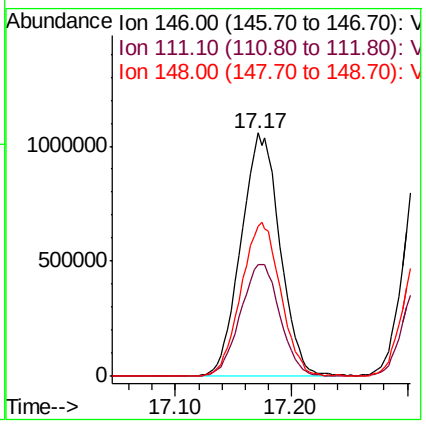


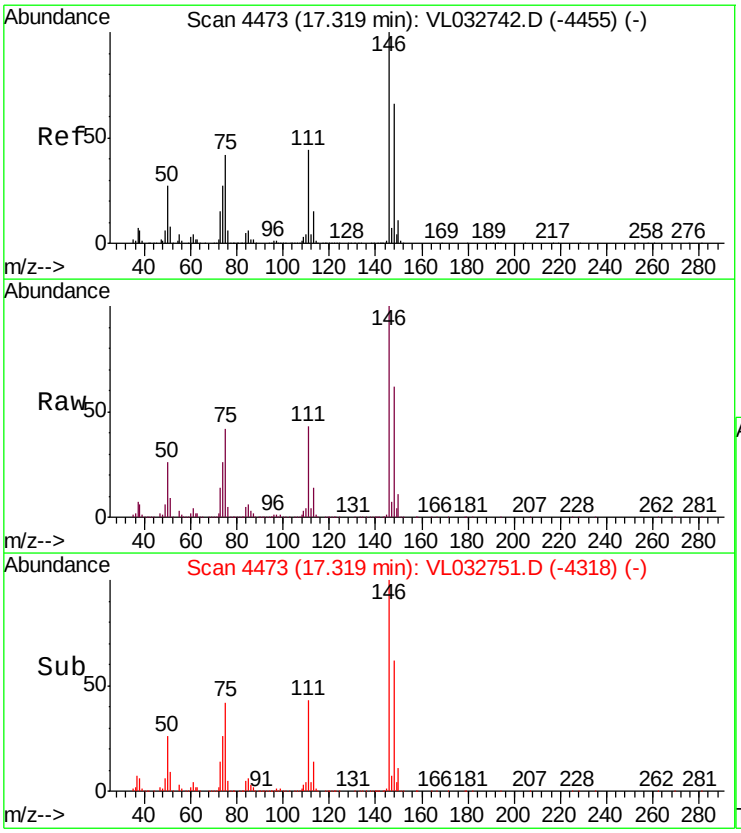
#75
1,3-Dichlorobenzene
Concen: 7.468 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. -0.01 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Tgt Ion:146 Resp: 2469847

Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.5	70.6
148	64.2	31.8	95.3

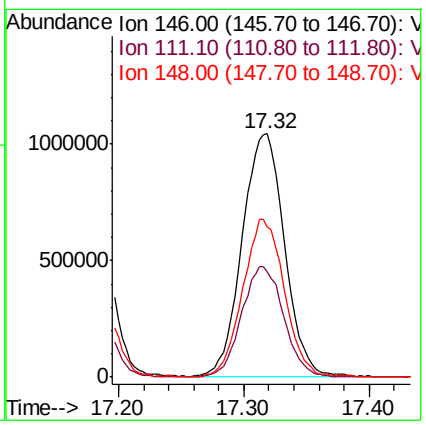


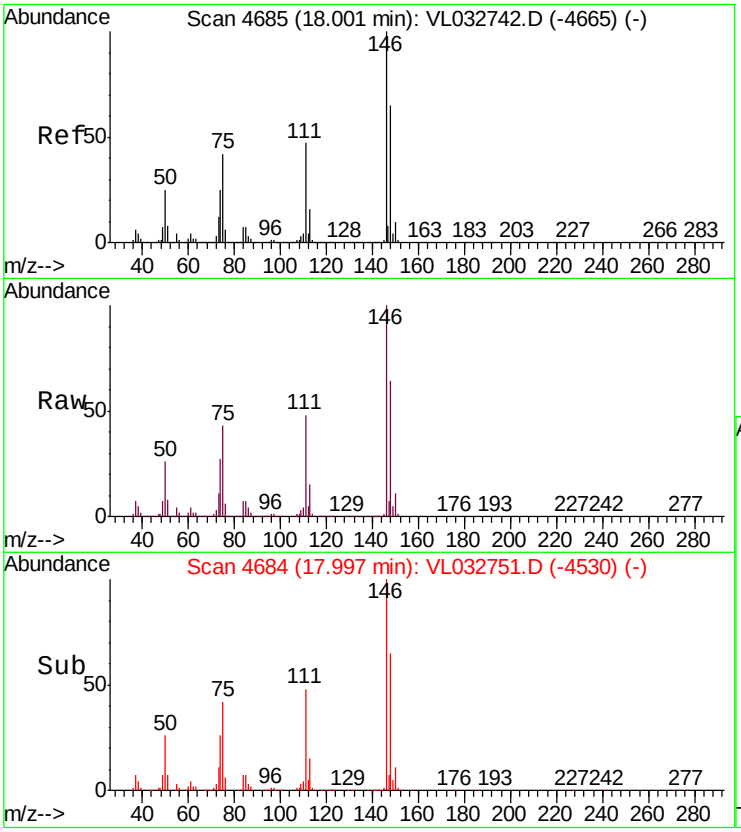


#76
1,4-Dichlorobenzene
Concen: 7.885 ppbv
RT: 17.32 min Scan# 4473
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion:146 Resp: 2435723

Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.5	67.5
148	64.3	32.5	97.5



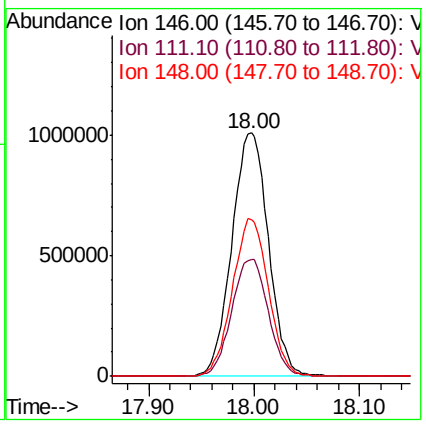


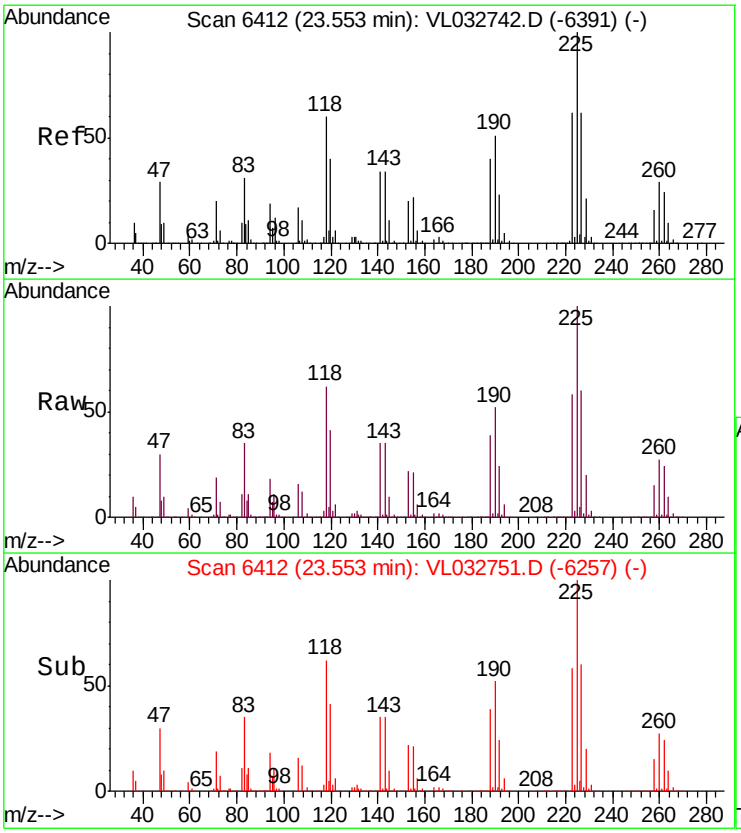
#77
1,2-Dichlorobenzene
Concen: 7.914 ppbv
RT: 18.00 min Scan# 4684
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument : MSVOA_L
ClientSampleId : VL1114ABS01

Tgt Ion:146 Resp: 2421411

Ion	Ratio	Lower	Upper
146	100		
111	48.5	24.4	73.2
148	63.9	32.2	96.6

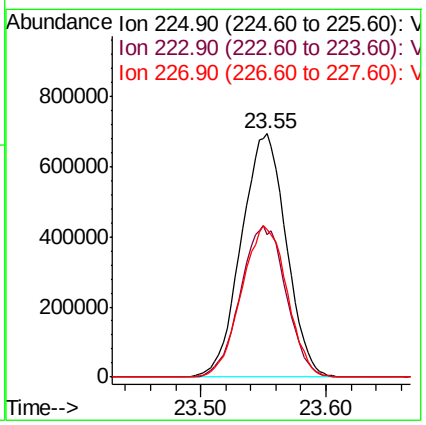


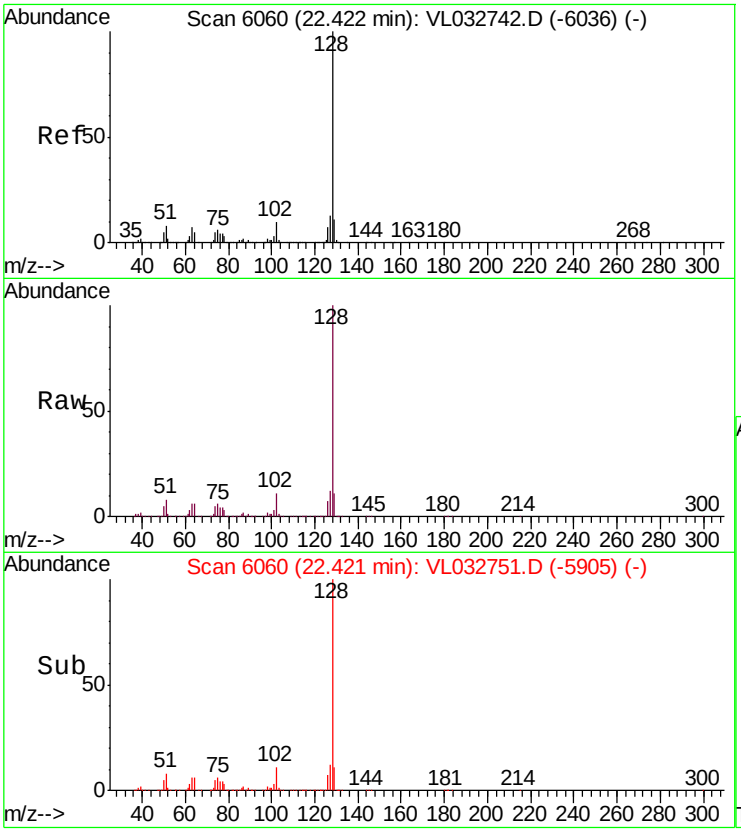


#78
Hexachloro-1,3-Butadiene
Concen: 10.429 ppbv
RT: 23.55 min Scan# 6412
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion:225 Resp: 1722026

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.3	75.5
227	63.2	50.2	75.4



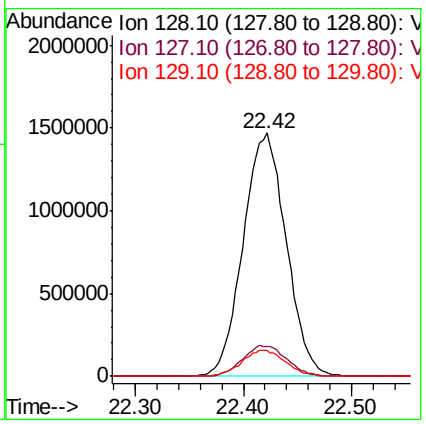


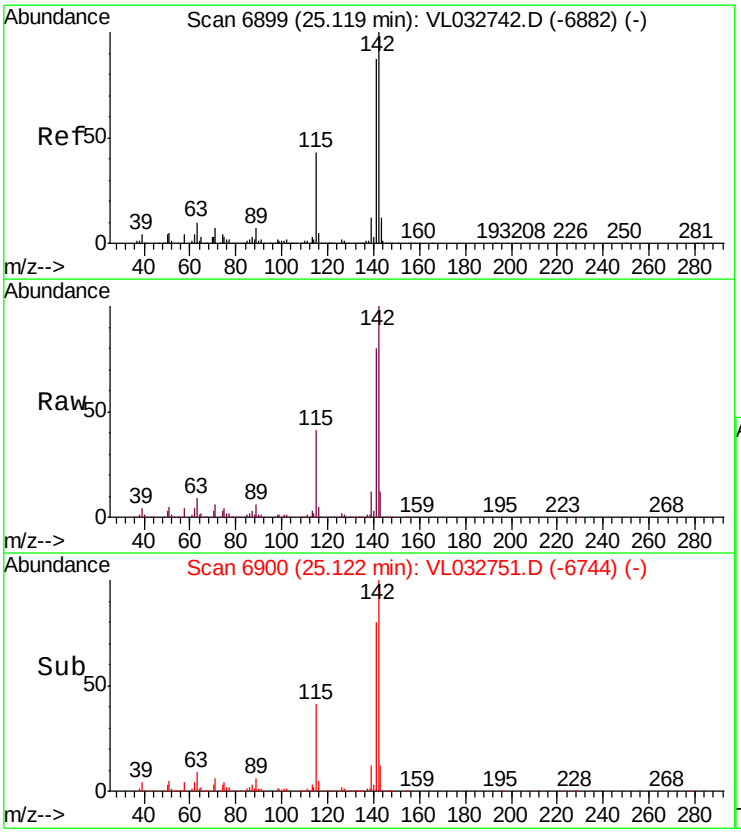
#79
Naphthalene
Concen: 10.715 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS01

Tgt Ion:128 Resp: 4058247

Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.1	15.1
129	10.6	8.9	13.3

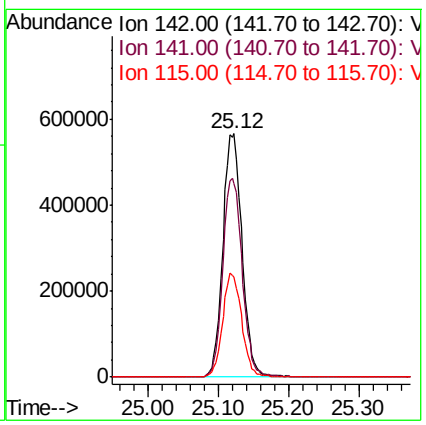


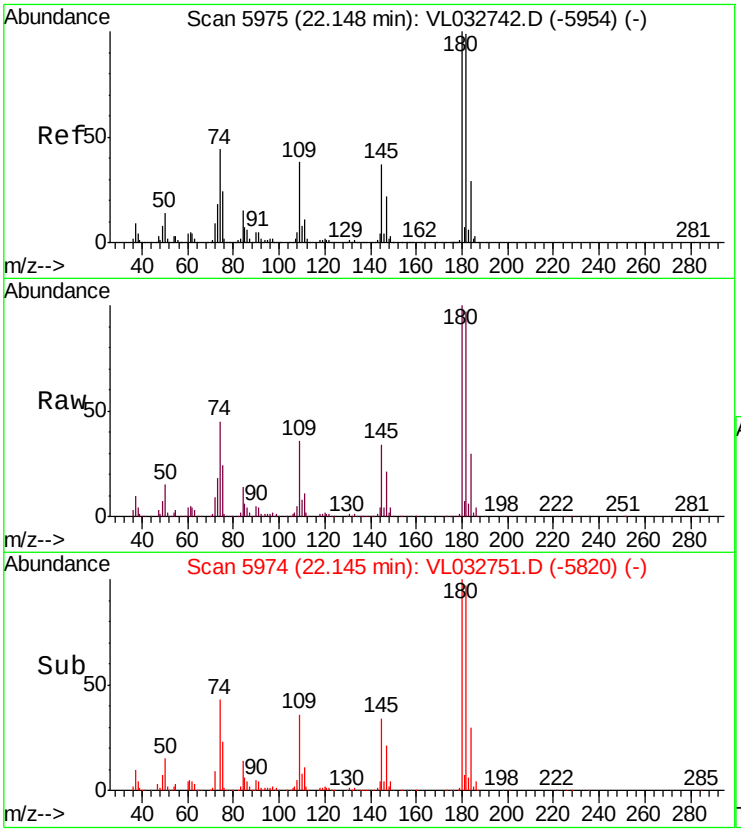


#80
Naphthalene,2-methyl-
Concen: 11.402 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Tgt Ion:142 Resp: 1081617

Ion	Ratio	Lower	Upper
142	100		
141	83.0	68.7	103.1
115	42.4	35.5	53.3





#81
1,2,4-Trichlorobenzene
Concen: 10.021 ppbv
RT: 22.14 min Scan# 5974
Delta R.T. -0.00 min
Lab File: VL032751.D
Acq: 14 Nov 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS01

Tgt Ion:180 Resp: 1906017

Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.3	115.9
184	31.2	24.2	36.4