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

Quantitation Report (Not Reviewed)

Data File : VL032832.D
Acq On : 29 Nov 2018 12:48
Operator : SY/AP
Sample : VL1129ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1129ABS01

Quant Time: Nov 30 06:22:40 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	1444209	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3776487	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	4575821	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2894271	8.46	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 84.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1886192	9.086	ppbv	100
3) Chlorodifluoromethane	3.02	51	1069938	9.345	ppbv	99
4) Chloromethane	3.18	50	566377	8.921	ppbv	100
5) Vinyl Chloride	3.30	62	596565	8.868	ppbv	99
6) Bromomethane	3.52	94	400155	9.723	ppbv	94
7) Chloroethane	3.61	64	237980	9.815	ppbv	94
8) Dichlorotetrafluoroethane	3.23	85	1511691	9.241	ppbv	97
9) Propene	3.04	41	423359	9.240	ppbv	99
10) Heptane	8.26	43	1798257	10.280	ppbv	100
11) Trichlorofluoromethane	4.01	101	2392353	12.228	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1606059	10.050	ppbv	97
13) Ethanol	3.66	45	149936	9.990	ppbv	99
14) Bromoethene	3.80	108	727660	13.725	ppbv	99
15) Acetone	3.91	43	1509849	11.448	ppbv	100
16) 1,3-Butadiene	3.37	39	498752	9.765	ppbv	94
17) tert-Butyl alcohol	4.37	59	385786	9.326	ppbv	100
18) 1,1-Dichloroethene	4.36	96	733956	9.340	ppbv	98
19) Isopropyl Alcohol	4.03	45	1039044	11.826	ppbv	99
20) Methylene Chloride	4.42	84	691615	10.129	ppbv	95
21) Allyl Chloride	4.49	41	1135181	10.242	ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	813541	10.602	ppbv	93
23) Vinyl Acetate	5.17	43	2388474	9.935	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1874454	9.807	ppbv	99
25) Ethyl Acetate	5.78	43	2982847	9.704	ppbv	100
26) Hexane	5.79	57	1390974	10.165	ppbv	99
27) Carbon Disulfide	4.63	76	1938153	11.170	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2293214	10.509	ppbv	100
29) Chloroform	5.86	83	2489944	10.209	ppbv	97
30) Cyclohexane	7.26	84	1255762	10.493	ppbv	97
31) cis-1,2-Dichloroethene	5.65	61	1423439	10.347	ppbv	100
32) 1,1,1-Trichloroethane	6.63	97	2527091	9.453	ppbv	99
34) 2-Butanone	5.34	43	1904789	9.725	ppbv	100
35) Carbon Tetrachloride	7.15	117	2772639	9.133	ppbv	99
36) Benzene	7.02	78	2946578	9.798	ppbv	98
37) 1,2-Dichloroethane	6.43	62	1932012	9.544	ppbv	100
38) Trichloroethene	7.98	130	1240629	10.194	ppbv	98
39) 1,2-Dichloropropane	7.75	63	1102938	9.626	ppbv	99
40) 1,4-Dioxane	7.97	88	404662	9.888	ppbv	93
41) Tetrahydrofuran	6.16	42	1122935	9.995	ppbv	99
42) Bromodichloromethane	7.93	83	2668313	9.723	ppbv	100
43) Methyl Methacrylate	8.15	69	1168354	10.407	ppbv	97

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

Quantitation Report (Not Reviewed)

Data File : VL032832.D
Acq On : 29 Nov 2018 12:48
Operator : SY/AP
Sample : VL1129ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1129ABS01

Quant Time: Nov 30 06:22:40 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	4960762	9.871	ppbv		100
45) t-1,3-Dichloropropene	9.43	75	1728984	11.477	ppbv		98
46) cis-1,3-Dichloropropene	8.85	75	1977749	10.866	ppbv		100
47) 1,1,2-Trichloroethane	9.63	97	1345548	9.931	ppbv		96
48) Dibromochloromethane	10.46	129	2354908	10.227	ppbv		100
49) Bromoform	13.22	173	2028733	10.668	ppbv		99
50) 4-Methyl-2-Pentanone	8.88	43	3005694	9.825	ppbv		99
51) 2-Hexanone	10.28	43	2073254	10.519	ppbv	#	100
52) Tetrachloroethene	11.39	164	1103475	10.548	ppbv		99
53) Toluene	9.96	91	3412309	10.877	ppbv		100
54) 1,2-Dibromoethane	10.78	107	1959772	10.233	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1647955	7.721	ppbv		99
57) Chlorobenzene	12.32	112	2697347	7.701	ppbv		99
58) Ethyl Benzene	12.88	91	4743516	8.614	ppbv		99
59) m/p-Xylene	13.14	91	4239433	8.648	ppbv	#	38
60) o-Xylene	13.87	91	3932122	7.977	ppbv		100
61) Styrene	13.70	104	2876019	8.963	ppbv		99
62) Isopropylbenzene	14.84	105	5574971	8.367	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2718532	7.075	ppbv		100
64) n-propylbenzene	15.74	120	1415357	8.076	ppbv		97
65) tert-Butylbenzene	16.92	119	4947470	8.284	ppbv		98
66) Benzyl Chloride	17.17	91	2765814	8.376	ppbv		100
67) sec-Butylbenzene	17.47	105	6868319	7.979	ppbv		100
69) p-Isopropyltoluene	17.83	119	5618262	8.209	ppbv		99
70) n-Butylbenzene	18.73	91	5566508	8.010	ppbv		99
71) 2-Chlorotoluene	15.63	91	4090225	8.232	ppbv		99
72) 4-Ethyltoluene	16.02	105	4477495	8.287	ppbv		99
73) 1,3,5-Trimethylbenzene	16.17	105	4561142	8.634	ppbv		100
74) 1,2,4-Trimethylbenzene	16.94	105	4372827	7.736	ppbv		98
75) 1,3-Dichlorobenzene	17.18	146	2457265	7.578	ppbv		99
76) 1,4-Dichlorobenzene	17.32	146	2378354	7.852	ppbv		100
77) 1,2-Dichlorobenzene	18.00	146	2369582	7.899	ppbv		99
78) Hexachloro-1,3-Butadiene	23.56	225	946946	5.849	ppbv		99
79) Naphthalene	22.43	128	3216254	8.661	ppbv		99
80) Naphthalene,2-methyl-	25.13	142	710467	7.639	ppbv		99
81) 1,2,4-Trichlorobenzene	22.15	180	1634304	8.764	ppbv		100

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

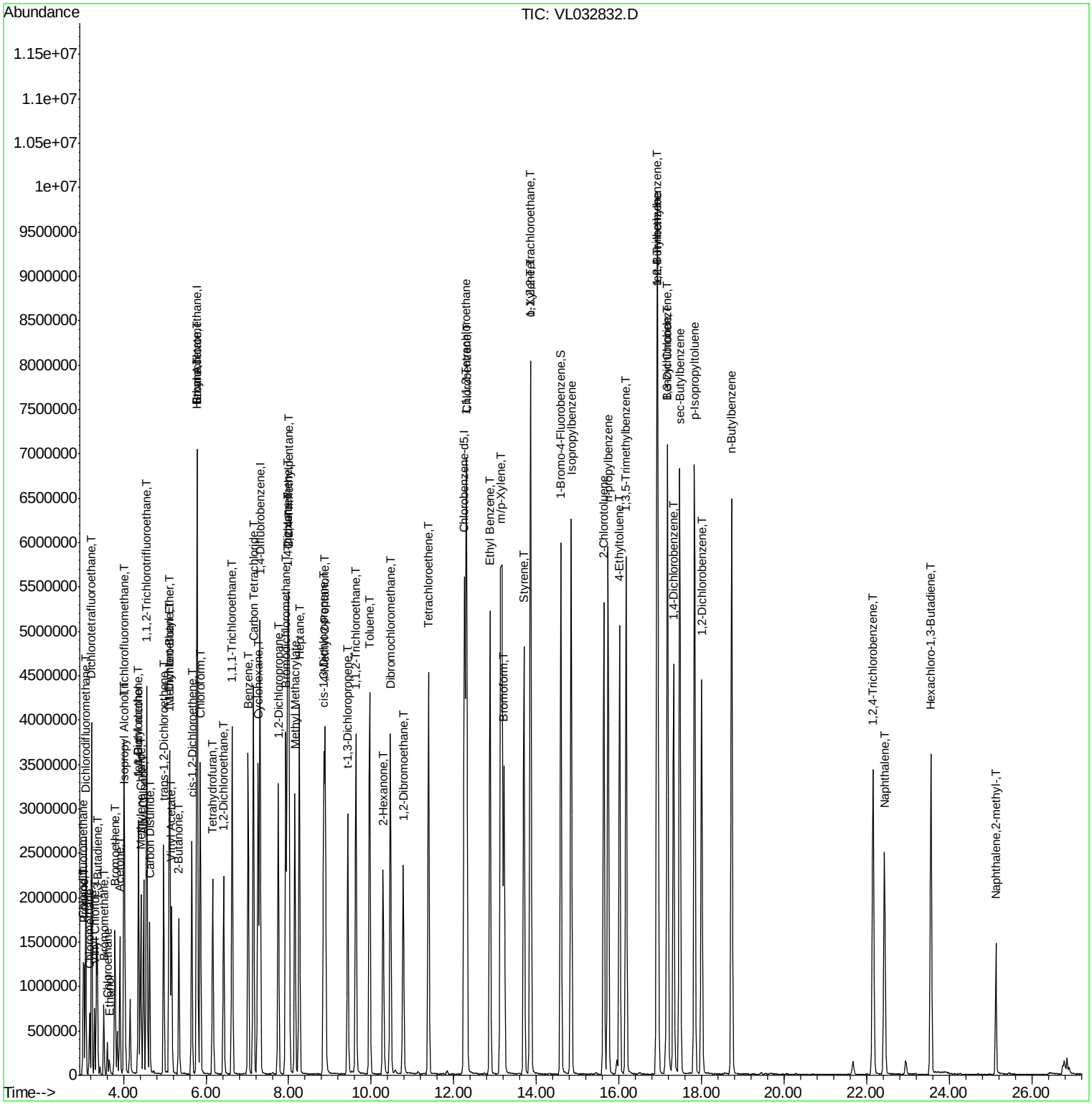
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112918\

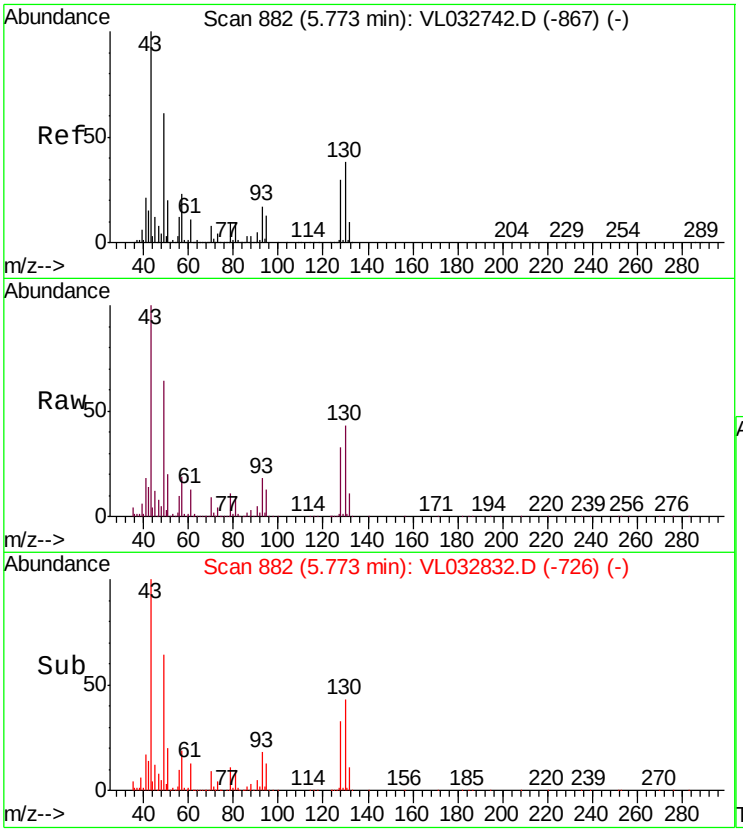
Quantitation Report (Not Reviewed)

Data File : VL032832.D
Acq On : 29 Nov 2018 12:48
Operator : SY/AP
Sample : VL1129ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1129ABS01

Quant Time: Nov 30 06:22:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration



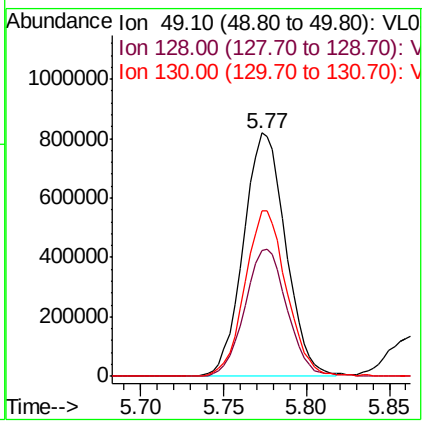


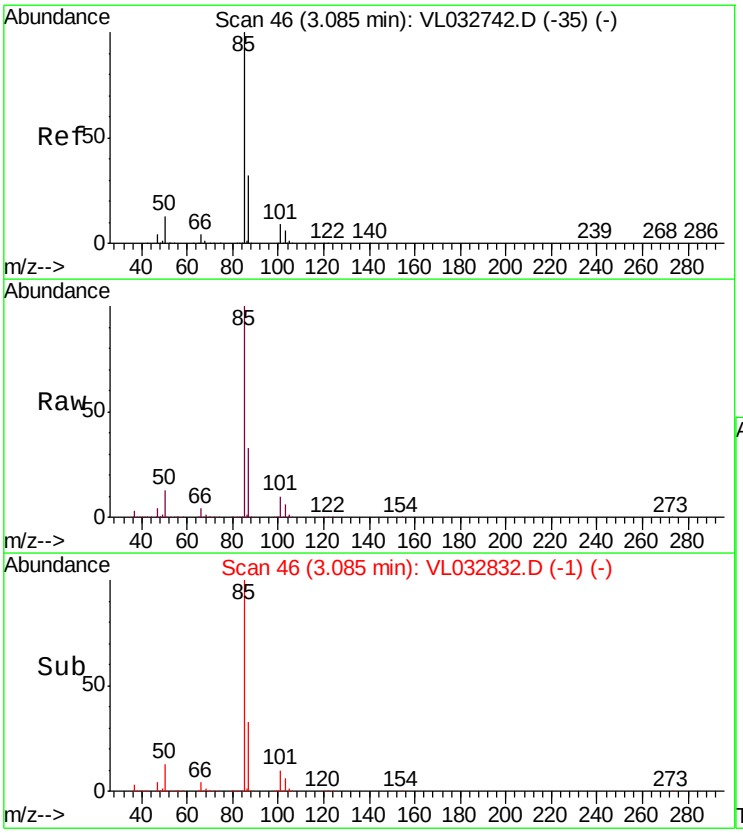
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion: 49 Resp: 1444209

Ion	Ratio	Lower	Upper
49	100		
128	52.4	24.9	74.6
130	67.5	31.4	94.2

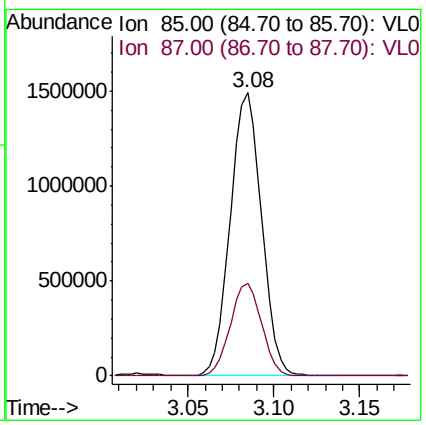


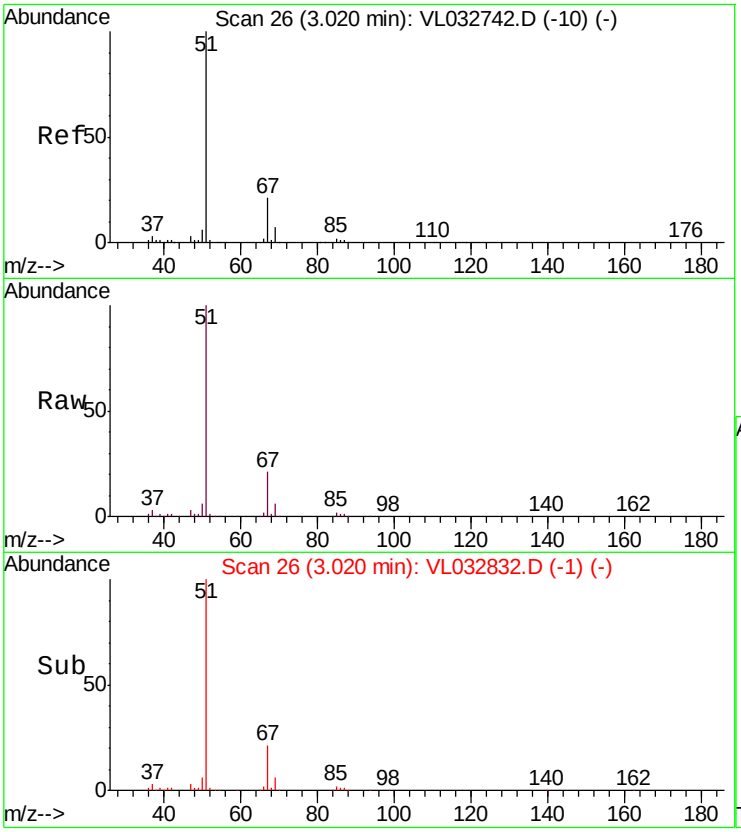


#2
Dichlorodifluoromethane
Concen: 9.086 ppbv
RT: 3.08 min Scan# 46
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 85 Resp: 1886192

Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.0	39.0



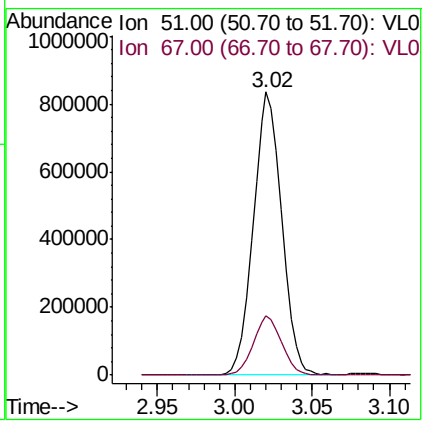


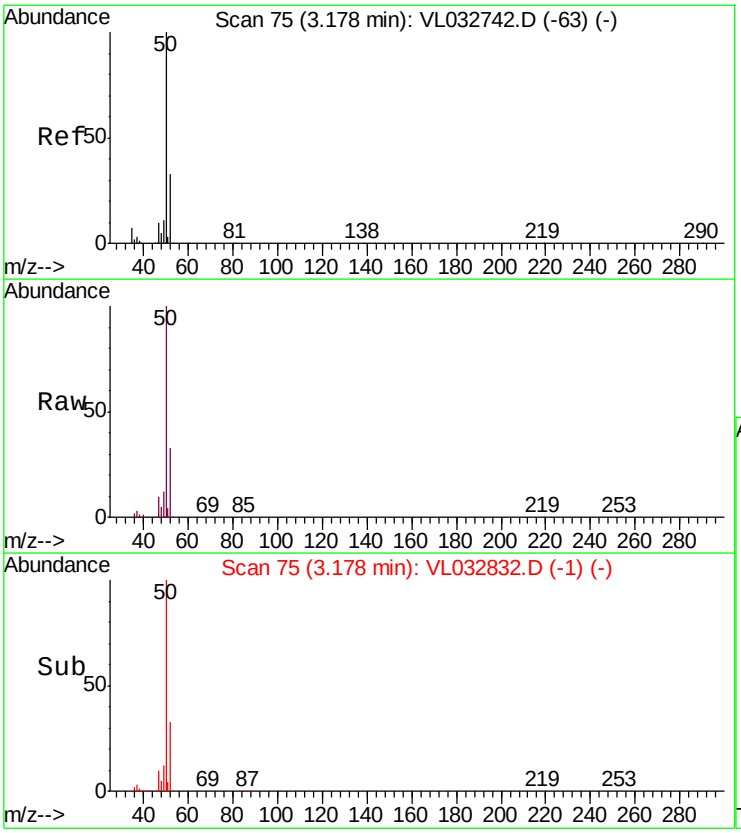
#3
Chlorodifluoromethane
Concen: 9.345 ppbv
RT: 3.02 min Scan# 26
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion: 51 Resp: 1069938

Ion	Ratio	Lower	Upper
51	100		
67	20.7	16.1	24.1

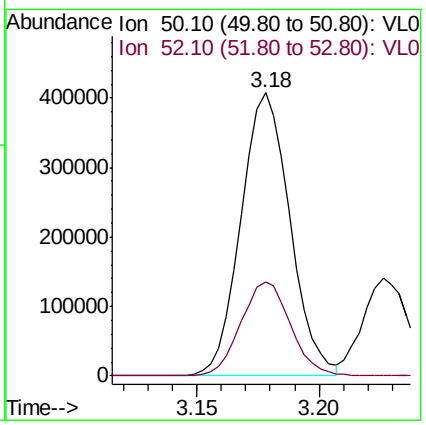


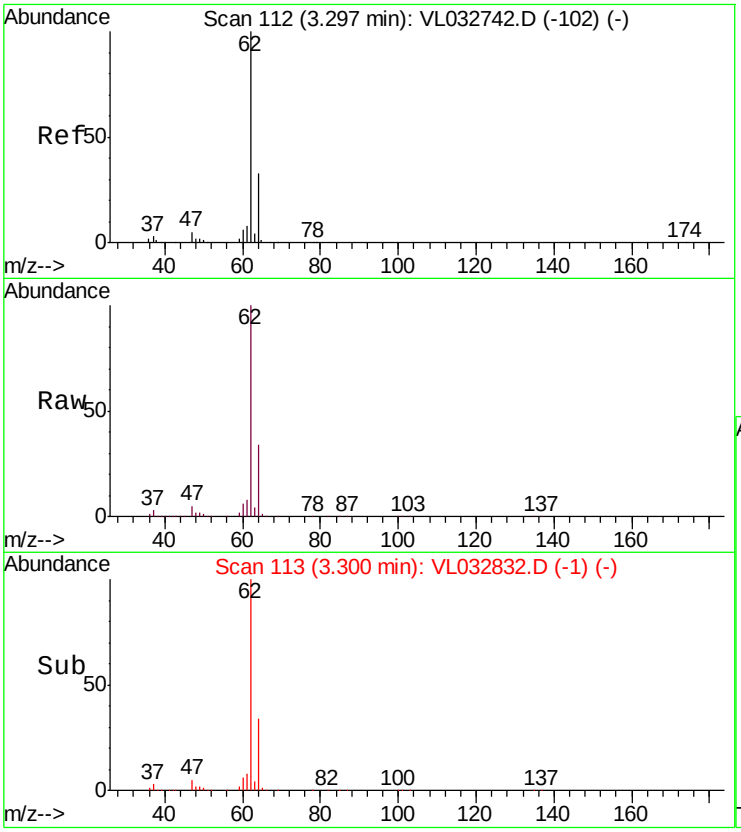


#4
Chloromethane
Concen: 8.921 ppbv
RT: 3.18 min Scan# 75
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 50 Resp: 566377

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.6	40.0



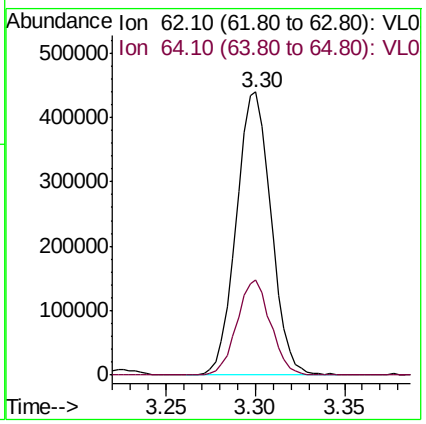


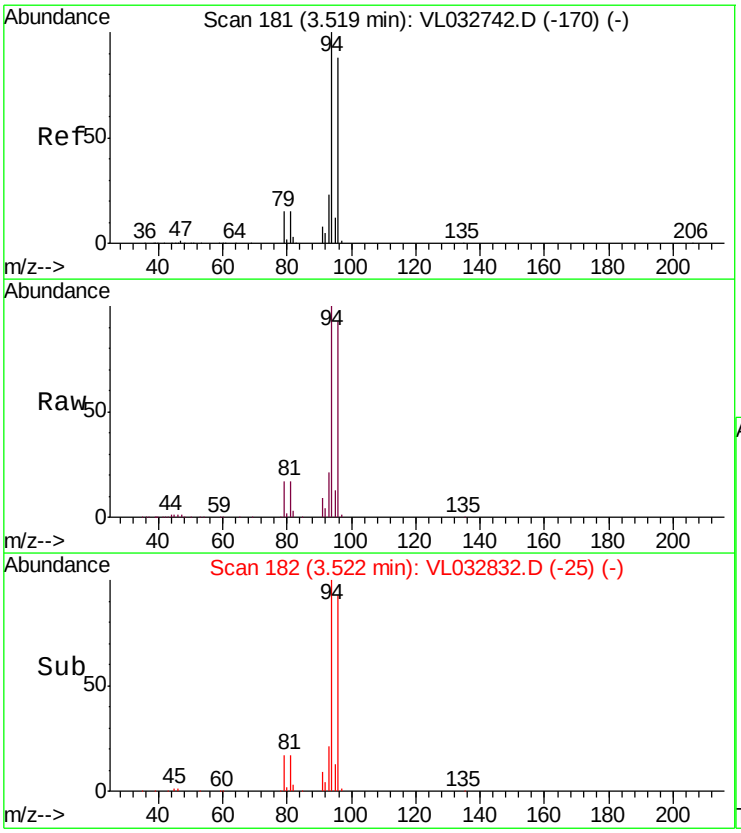
#5
Vinyl Chloride
Concen: 8.868 ppbv
RT: 3.30 min Scan# 113
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion: 62 Resp: 596565

Ion	Ratio	Lower	Upper
62	100		
64	33.6	26.2	39.4

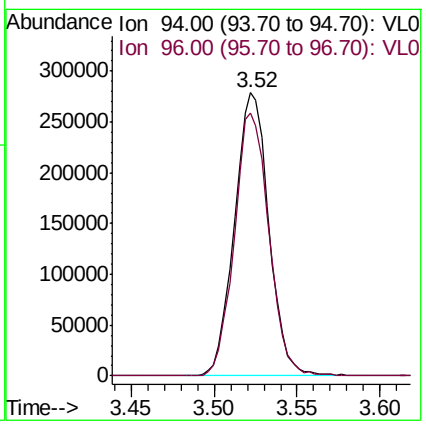


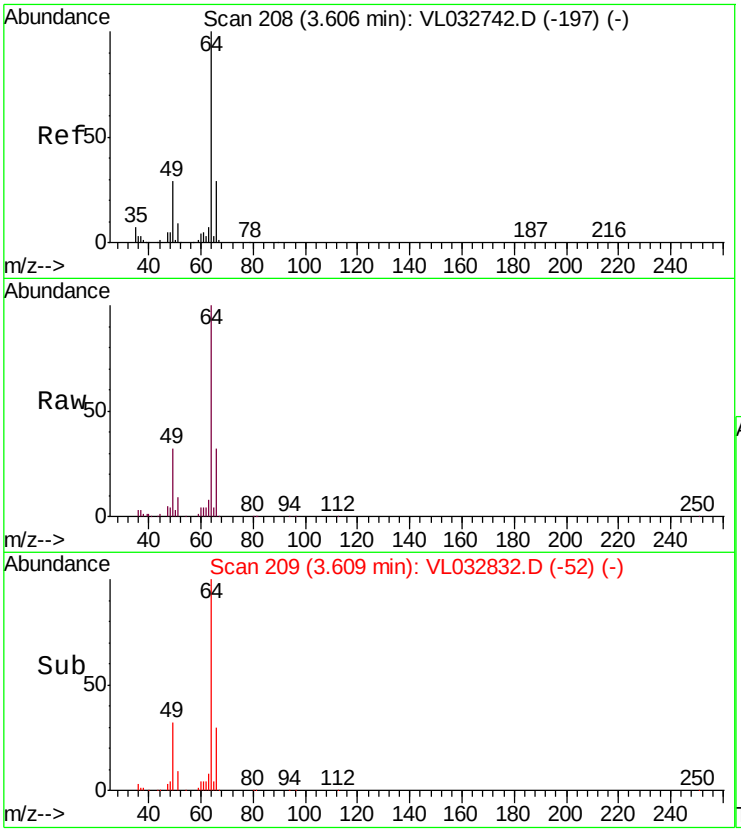


#6
Bromomethane
Concen: 9.723 ppbv
RT: 3.52 min Scan# 182
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 94 Resp: 400155

Ion	Ratio	Lower	Upper
94	100		
96	92.9	70.2	105.2



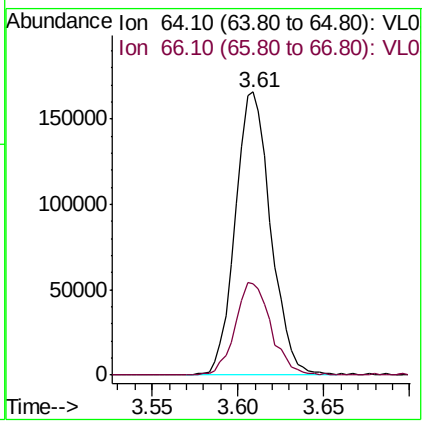


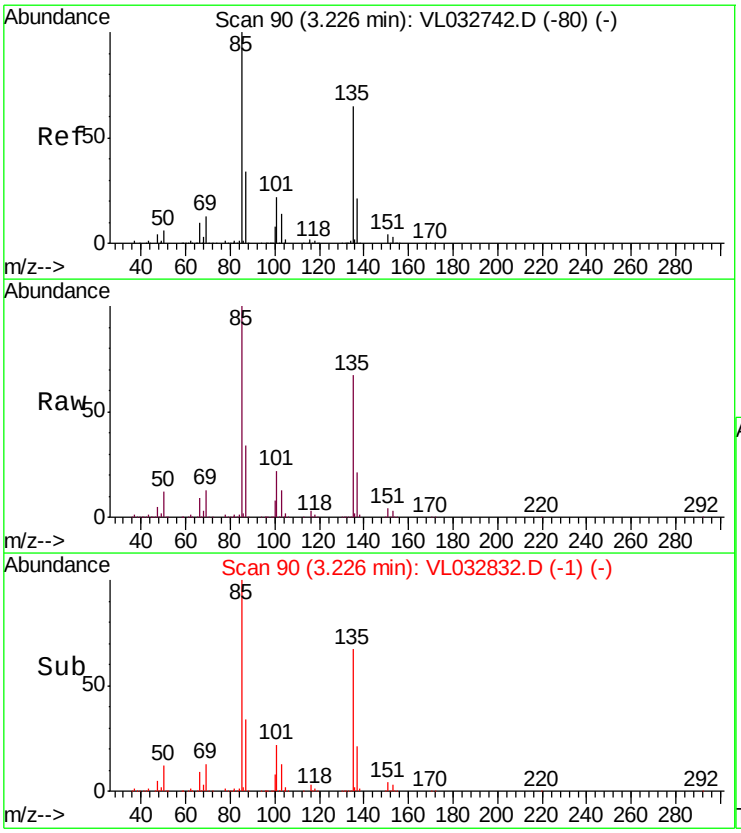
#7
Chloroethane
Concen: 9.815 ppbv
RT: 3.61 min Scan# 209
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion: 64 Resp: 237980

Ion	Ratio	Lower	Upper
64	100		
66	32.3	23.2	34.8

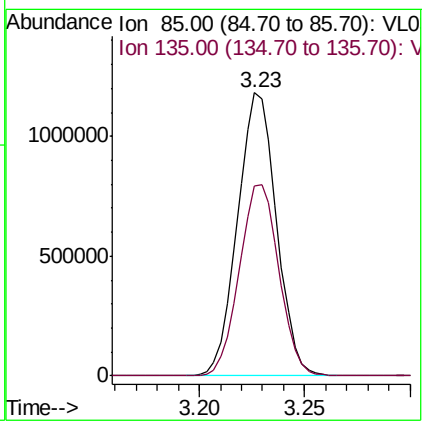


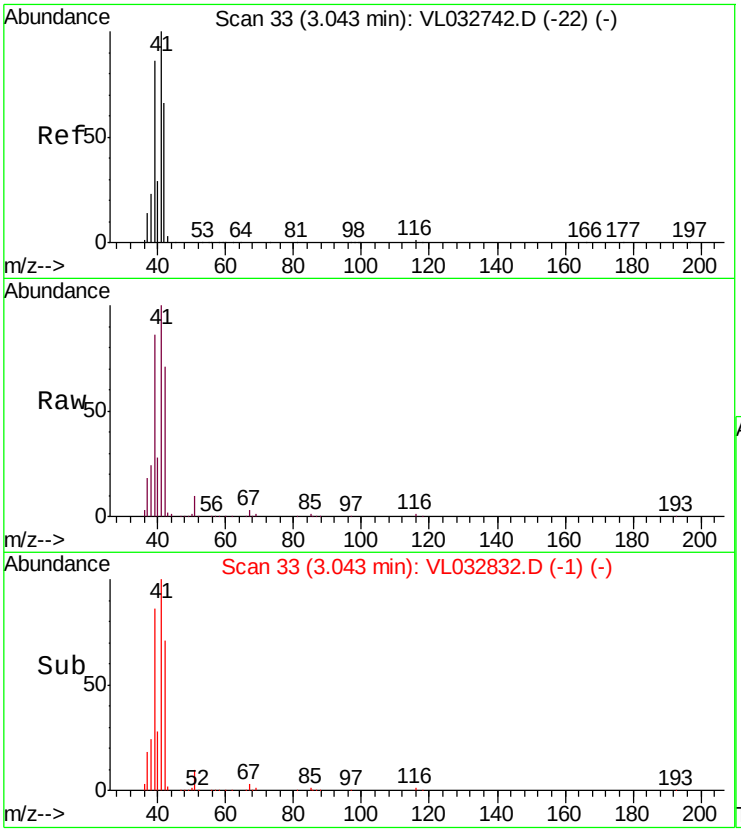


#8
Dichlorotetrafluoroethane
Concen: 9.241 ppbv
RT: 3.23 min Scan# 90
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 85 Resp: 1511691

Ion	Ratio	Lower	Upper
85	100		
135	69.3	53.8	80.8



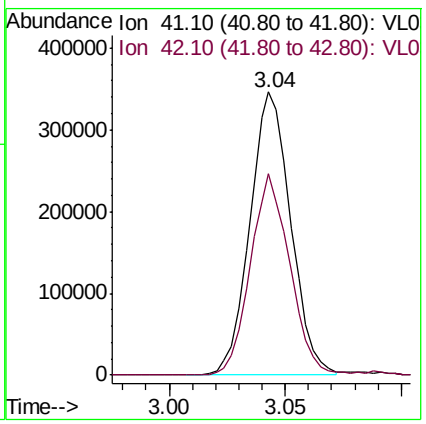


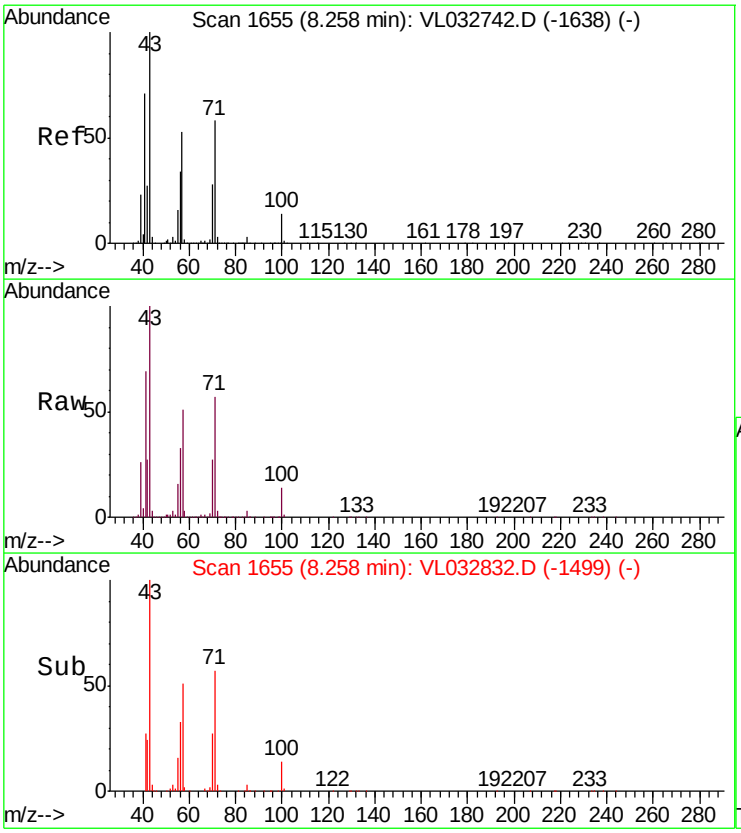
#9
Propene
Concen: 9.240 ppbv
RT: 3.04 min Scan# 33
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion: 41 Resp: 423359

Ion	Ratio	Lower	Upper
41	100		
42	70.0	55.0	82.6

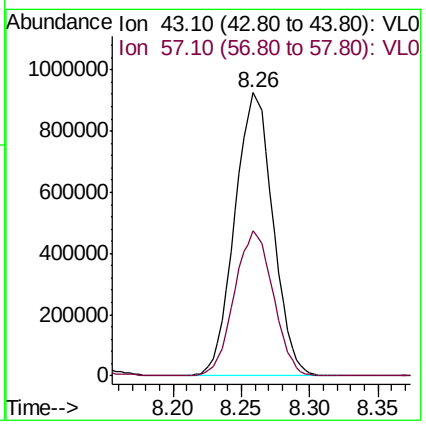


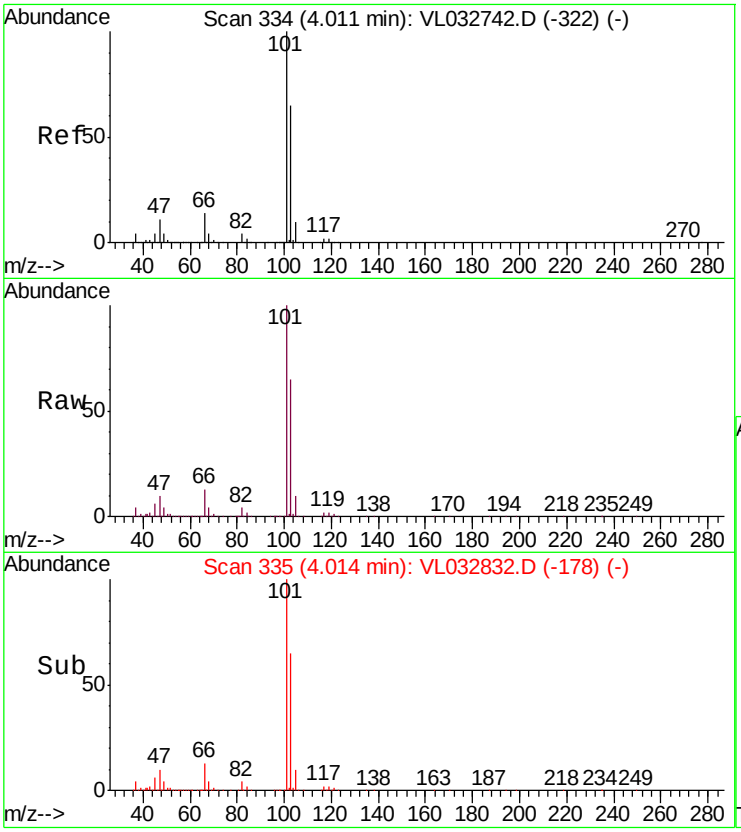


#10
Heptane
Concen: 10.280 ppbv
RT: 8.26 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 43 Resp: 1798257

Ion	Ratio	Lower	Upper
43	100		
57	52.0	41.8	62.8



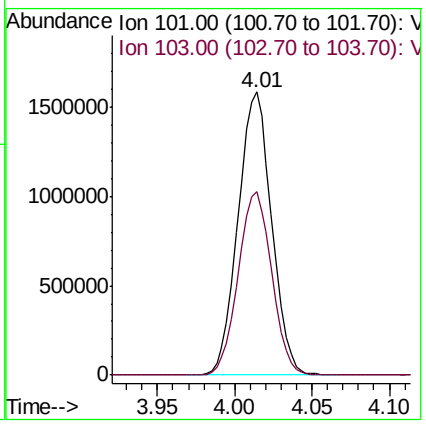


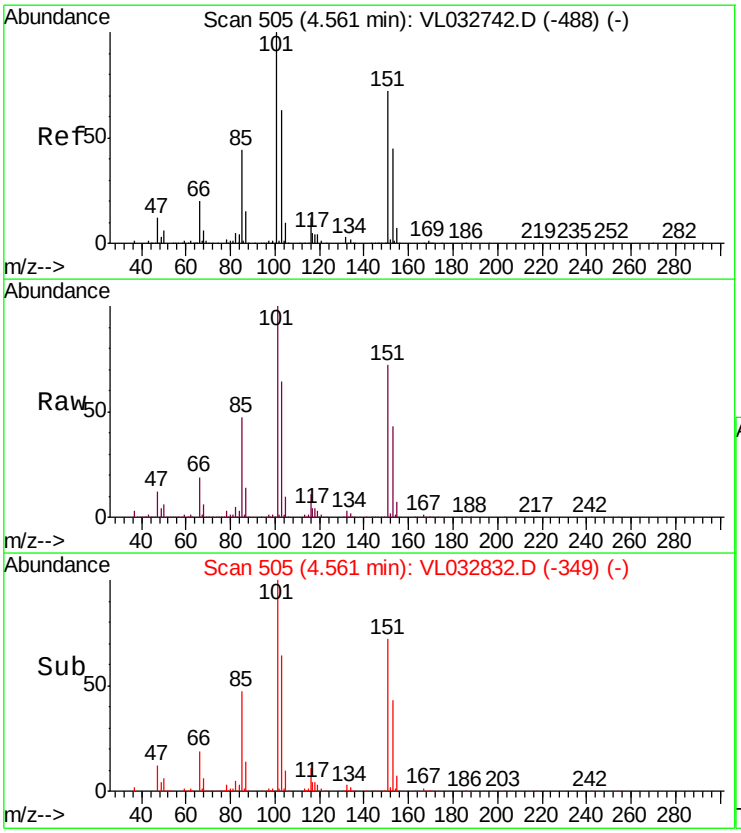
#11
Trichlorofluoromethane
Concen: 12.228 ppbv
RT: 4.01 min Scan# 335
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion:101 Resp: 2392353

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.6	77.4

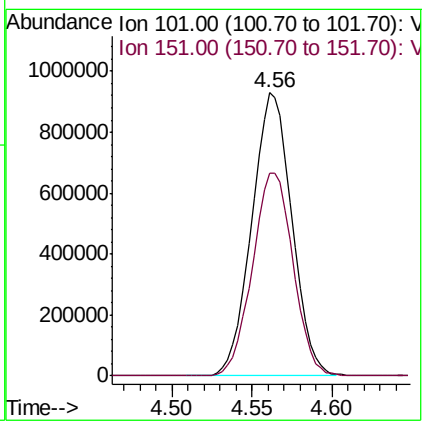


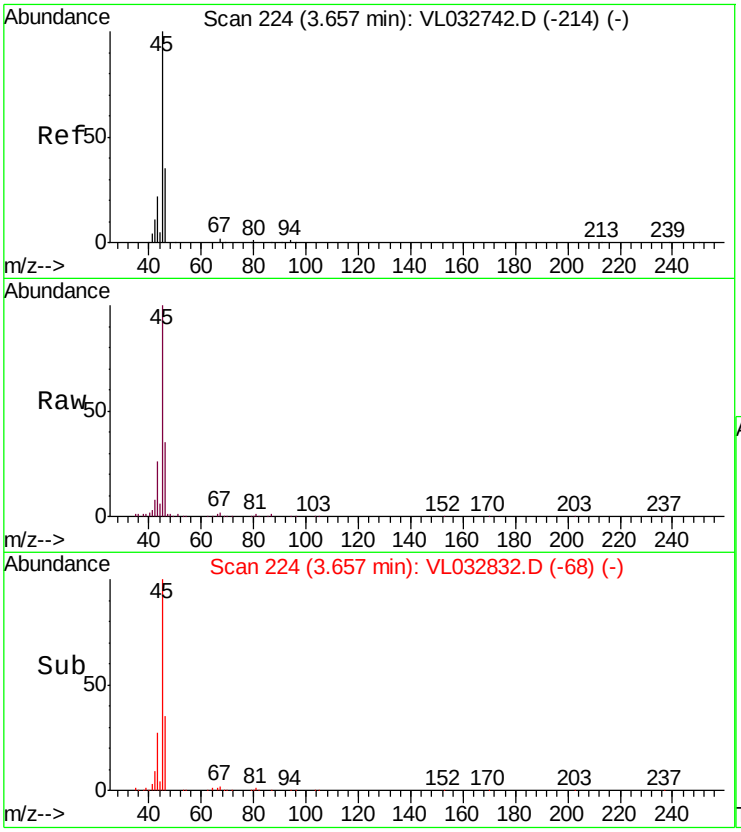


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.050 ppbv
RT: 4.56 min Scan# 505
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion:101 Resp: 1606059

Ion	Ratio	Lower	Upper
101	100		
151	73.2	56.7	85.1



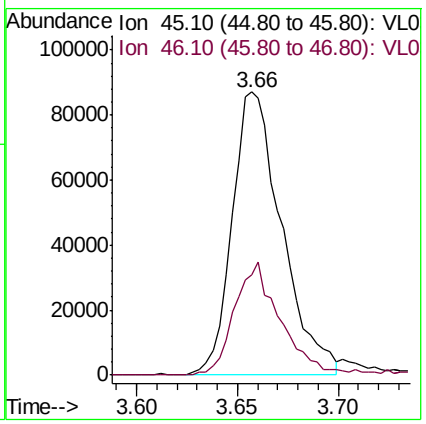


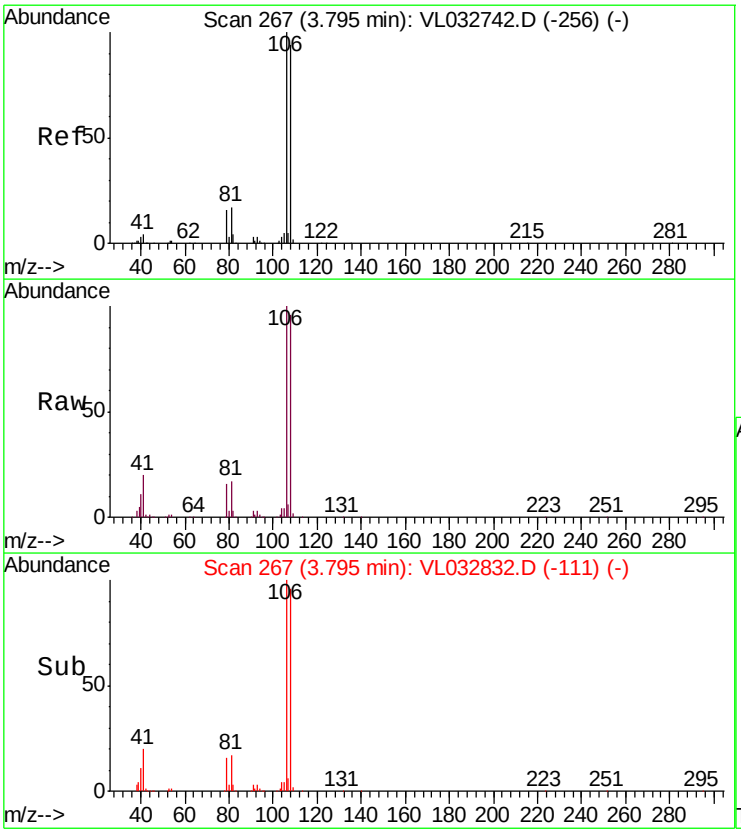
#13
Ethanol
Concen: 9.990 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion: 45 Resp: 149936

Ion	Ratio	Lower	Upper
45	100		
46	37.0	14.5	57.9

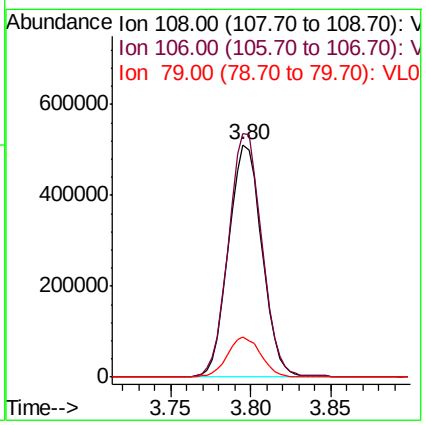


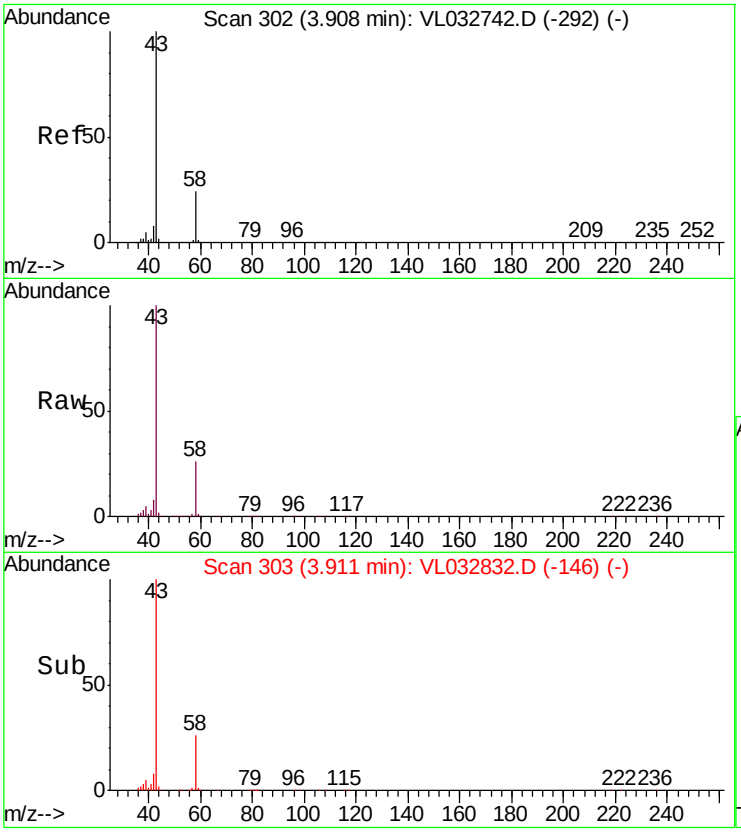


#14
Bromoethene
Concen: 13.725 ppbv
RT: 3.80 min Scan# 267
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion:108 Resp: 727660

Ion	Ratio	Lower	Upper
108	100		
106	105.1	84.9	127.3
79	17.4	14.2	21.4



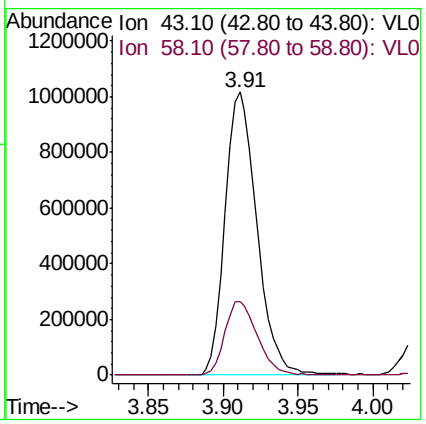


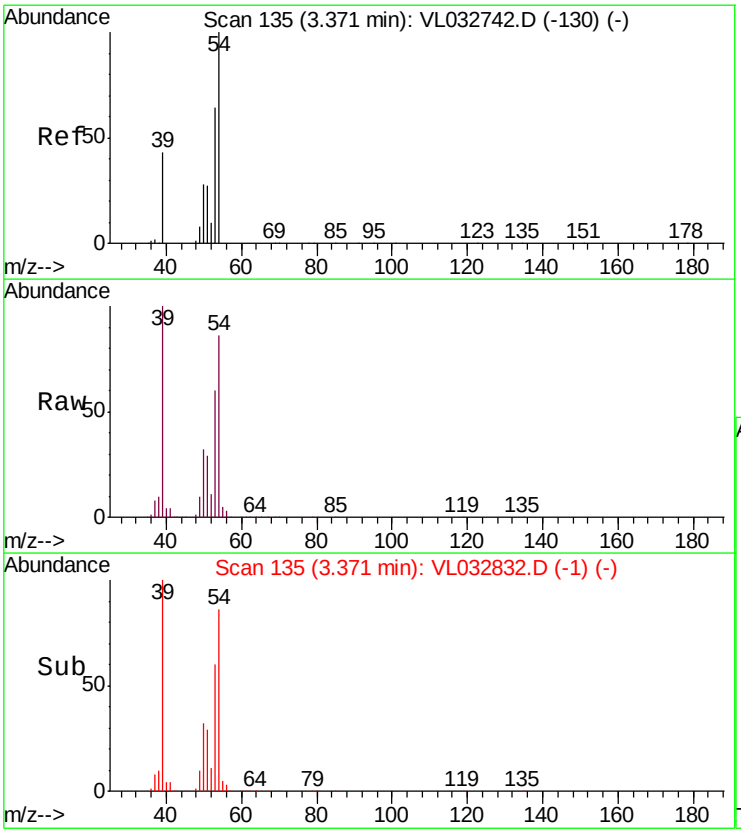
#15
Acetone
Concen: 11.448 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument : MSVOA_L
ClientSampleId : VL1129ABS01

Tgt Ion: 43 Resp: 1509849

Ion	Ratio	Lower	Upper
43	100		
58	26.7	21.1	31.7

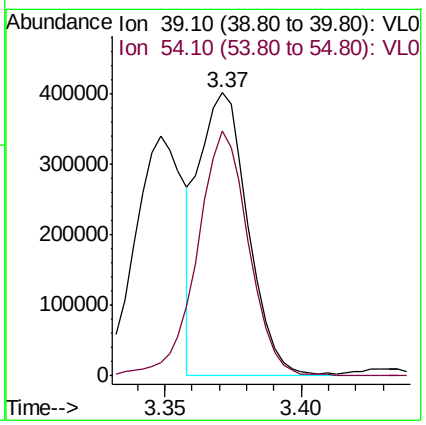


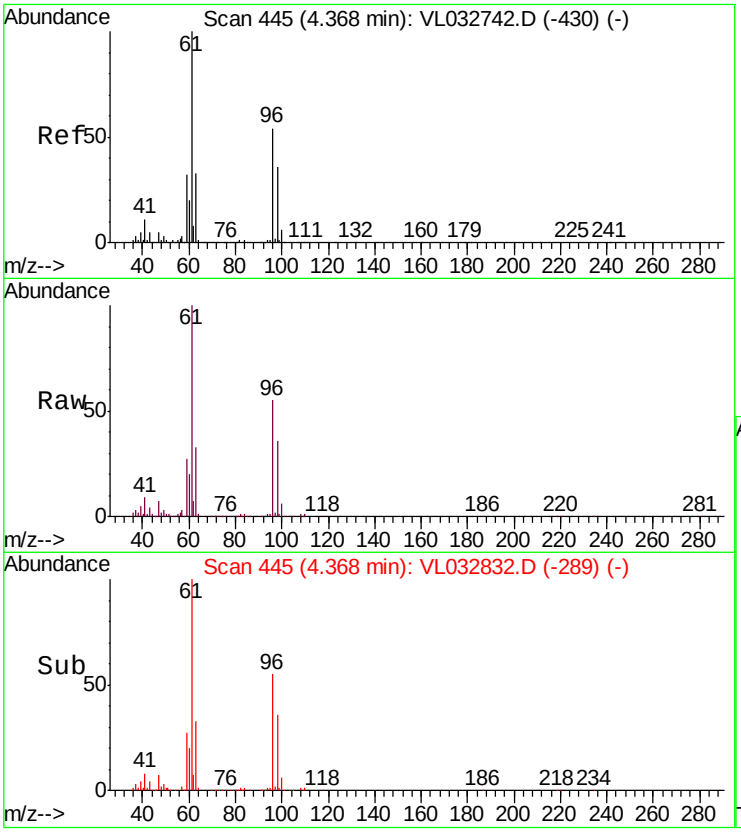


#16
1,3-Butadiene
Concen: 9.765 ppbv
RT: 3.37 min Scan# 135
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 39 Resp: 498752

Ion	Ratio	Lower	Upper
39	100		
54	91.6	68.9	103.3



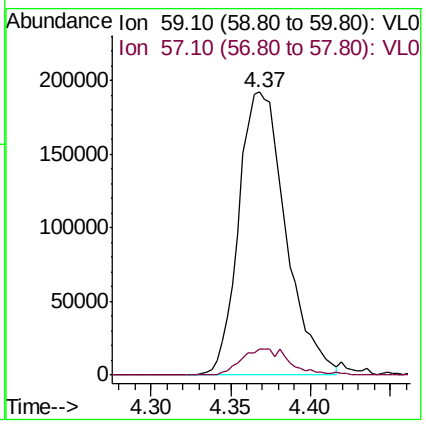


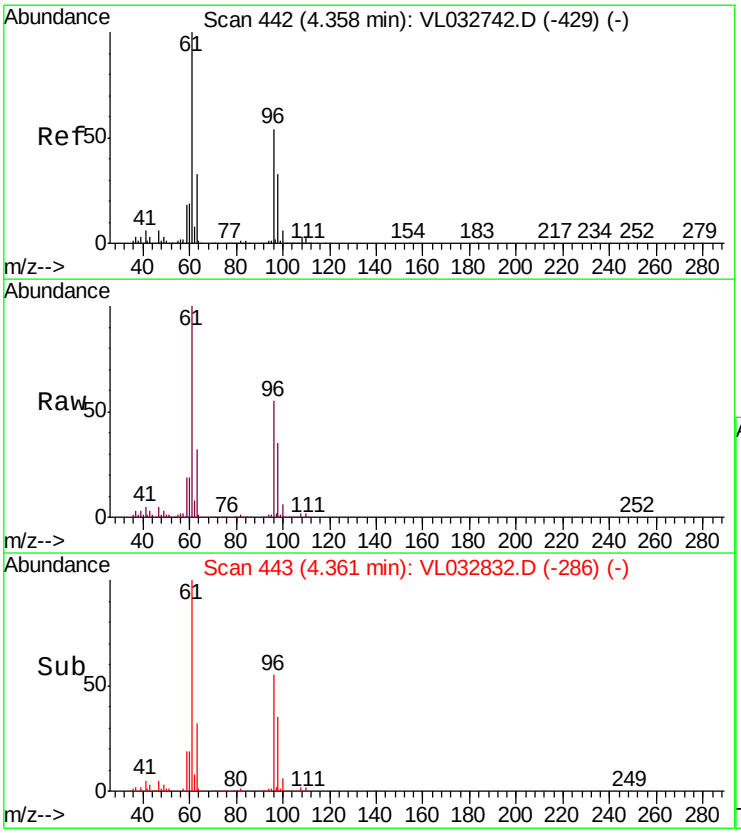
#17
tert-Butyl alcohol
Concen: 9.326 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion: 59 Resp: 385786

Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8

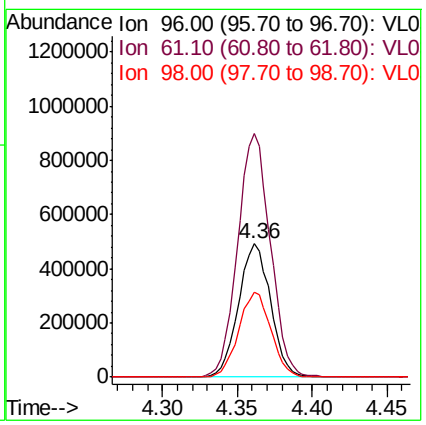


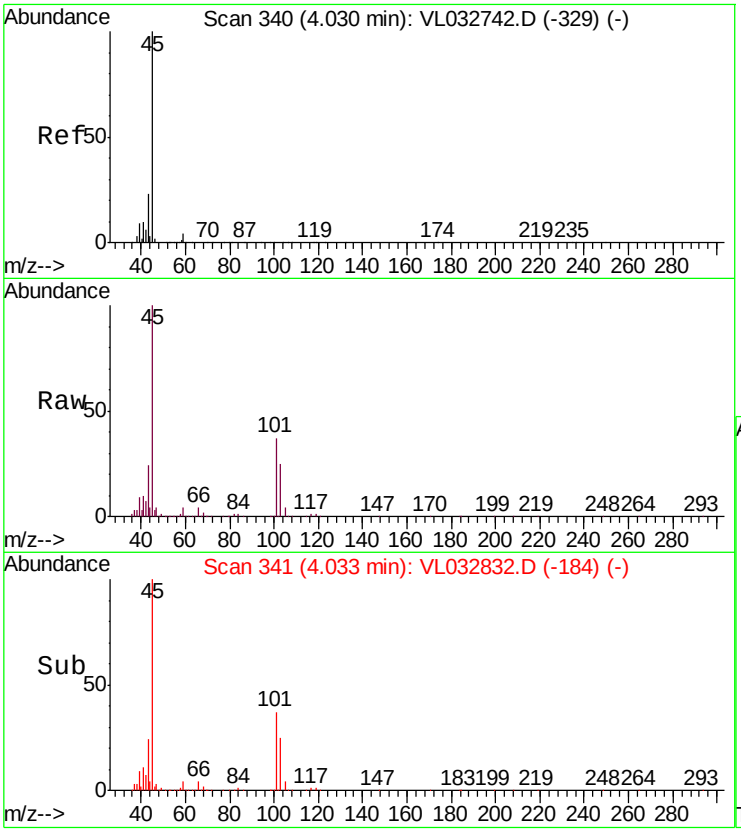


#18
1,1-Dichloroethene
Concen: 9.340 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 96 Resp: 733956

Ion	Ratio	Lower	Upper
96	100		
61	183.1	148.5	222.7
98	63.4	48.6	72.8



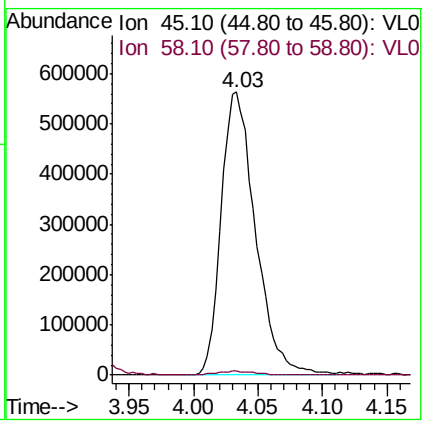


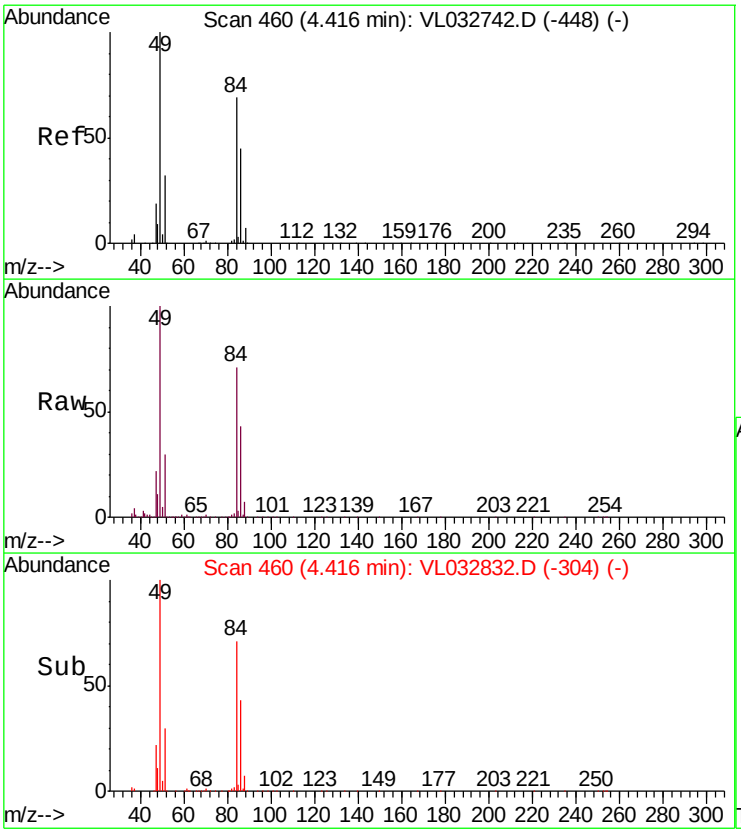
#19
Isopropyl Alcohol
Concen: 11.826 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument : MSVOA_L
ClientSampleId : VL1129ABS01

Tgt Ion: 45 Resp: 1039044

Ion	Ratio	Lower	Upper
45	100		
58	2.0	1.4	2.0

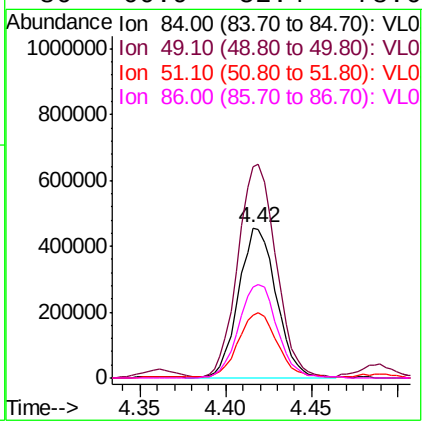


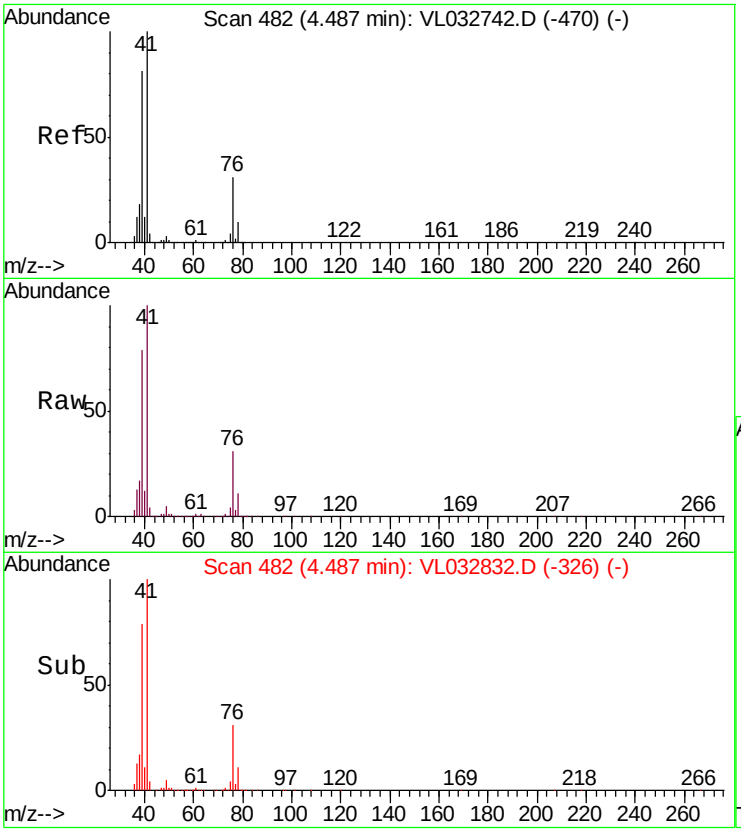


#20
Methylene Chloride
Concen: 10.129 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 84 Resp: 691615

Ion	Ratio	Lower	Upper
84	100		
49	139.9	115.8	173.6
51	41.4	36.9	55.3
86	60.9	52.4	78.6



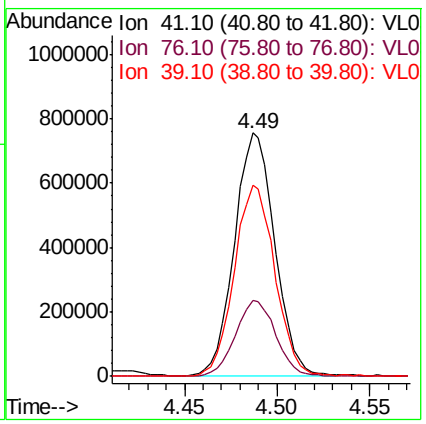


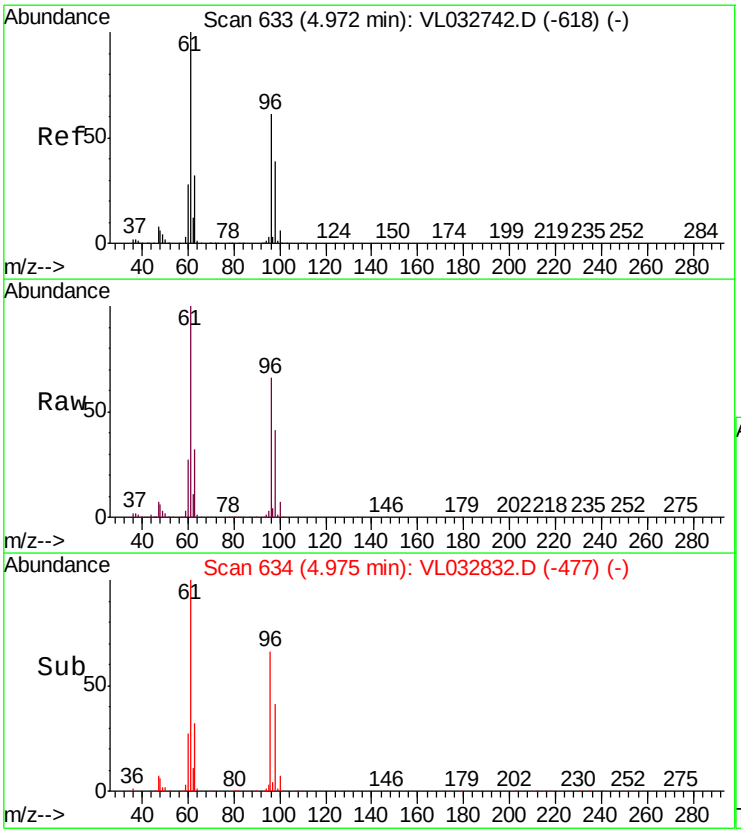
#21
Allyl Chloride
Concen: 10.242 ppbv
RT: 4.49 min Scan# 482
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument : MSVOA_L
ClientSampleId : VL1129ABS01

Tgt Ion: 41 Resp: 1135181

Ion	Ratio	Lower	Upper
41	100		
76	31.4	24.4	36.6
39	79.9	63.5	95.3

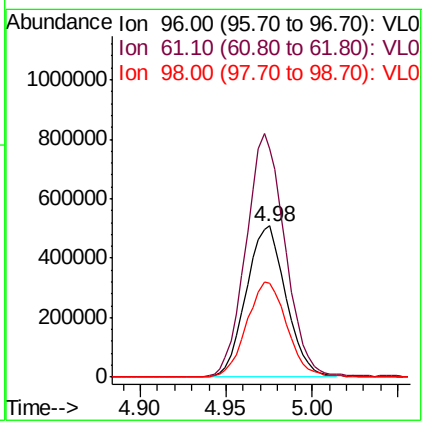


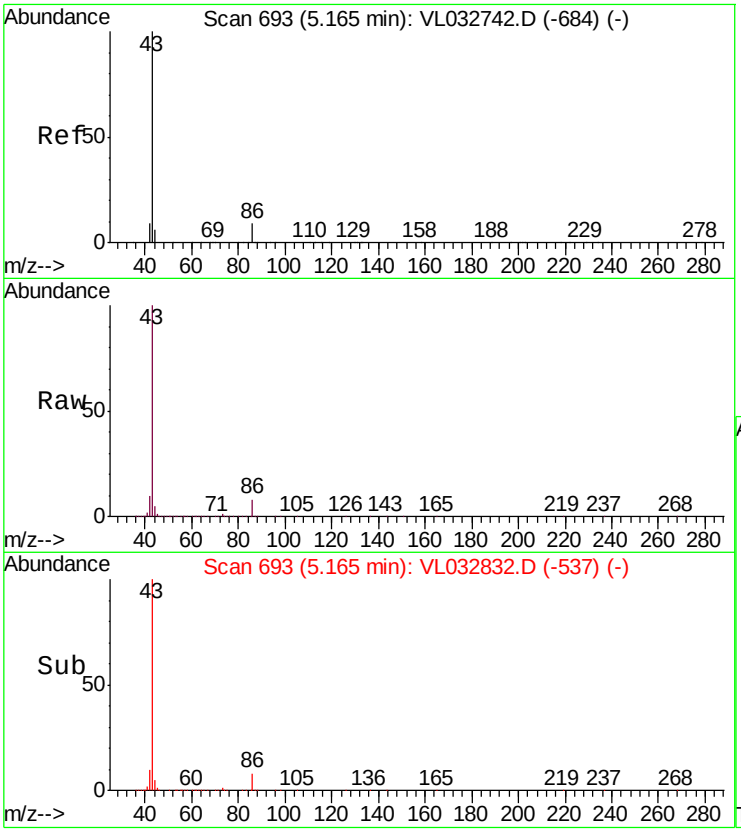


#22
trans-1,2-Dichloroethene
Concen: 10.602 ppbv
RT: 4.98 min Scan# 634
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 96 Resp: 813541

Ion	Ratio	Lower	Upper
96	100		
61	151.2	130.2	195.2
98	62.0	50.2	75.2



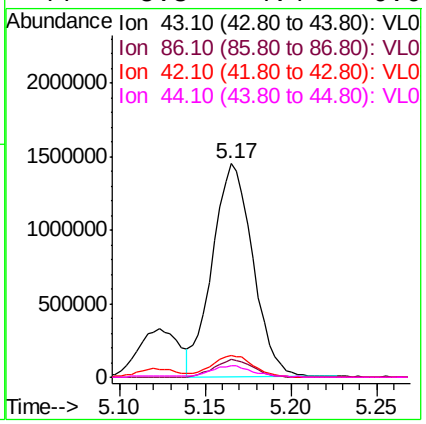


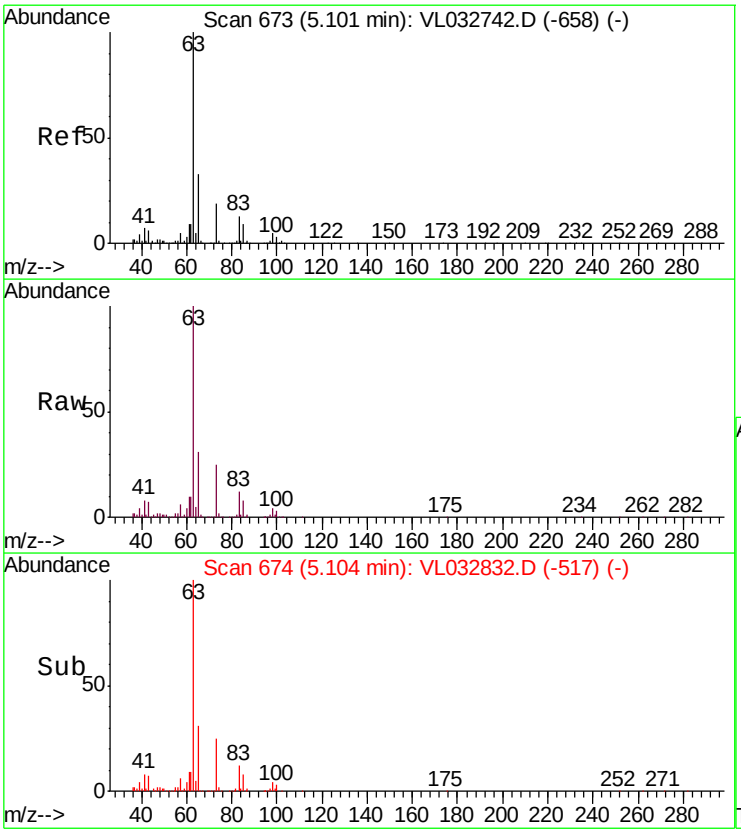
#23
Vinyl Acetate
Concen: 9.935 ppbv
RT: 5.17 min Scan# 693
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion: 43 Resp: 2388474

Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.2	9.4
42	10.1	7.8	11.6
44	5.3	4.4	6.6

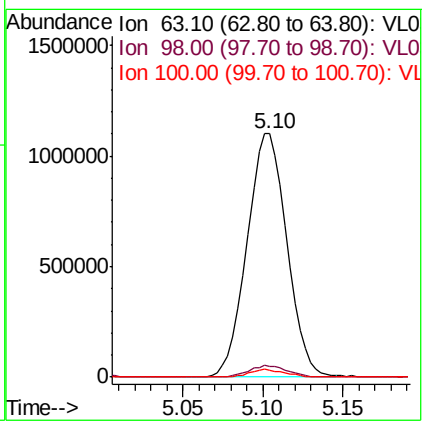


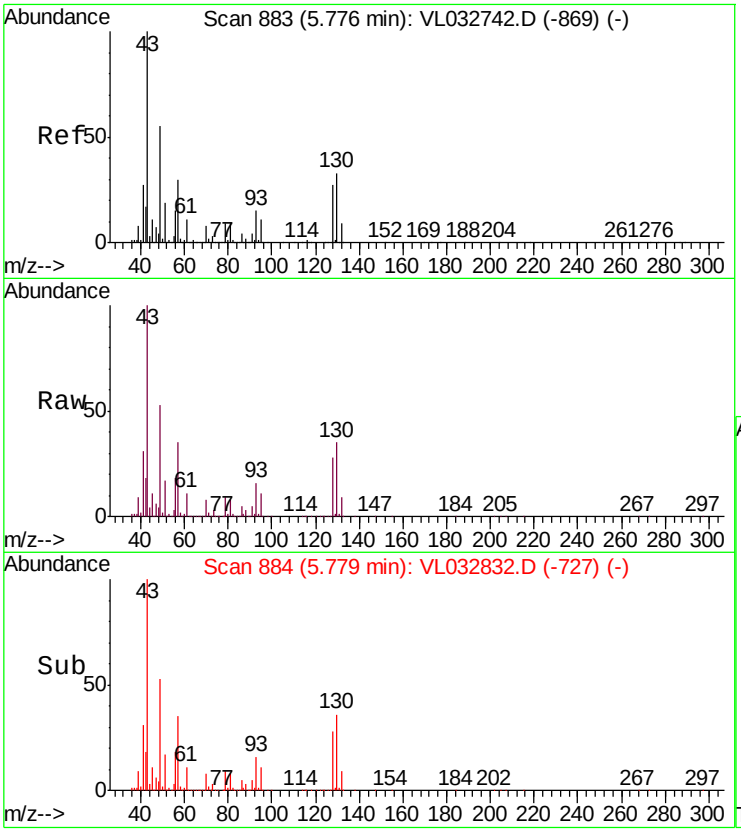


#24
1,1-Dichloroethane
Concen: 9.807 ppbv
RT: 5.10 min Scan# 674
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 63 Resp: 1874454

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.3	6.8
100	3.2	1.4	4.2



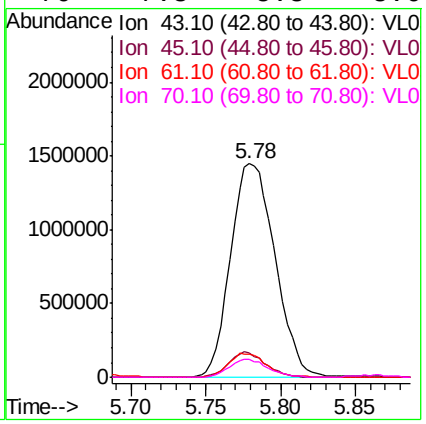


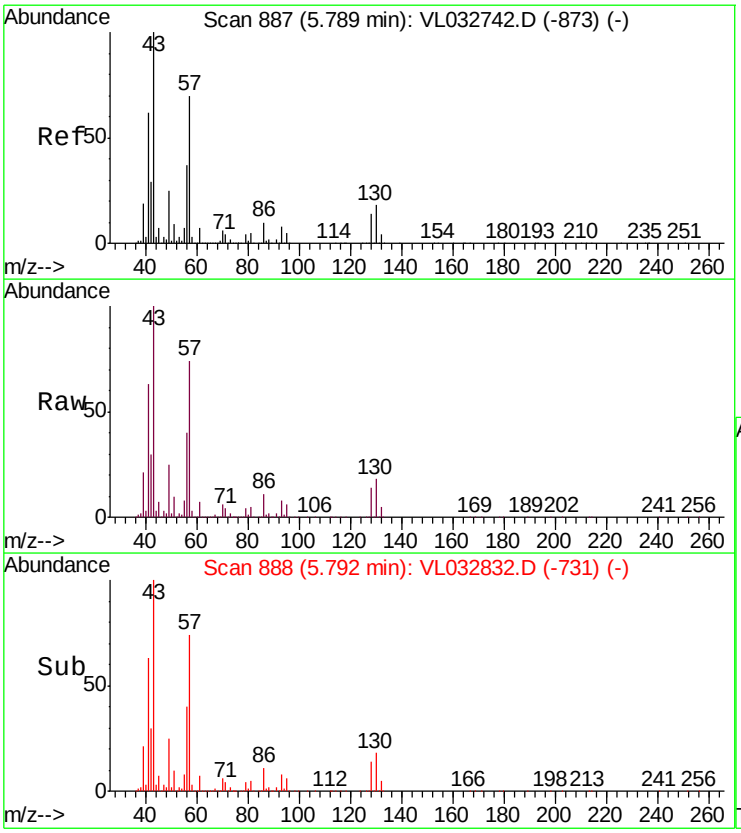
#25
Ethyl Acetate
Concen: 9.704 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument : MSVOA_L
ClientSampleId : VL1129ABS01

Tgt Ion: 43 Resp: 2982847

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.8	7.8	11.6
70	7.3	5.8	8.6

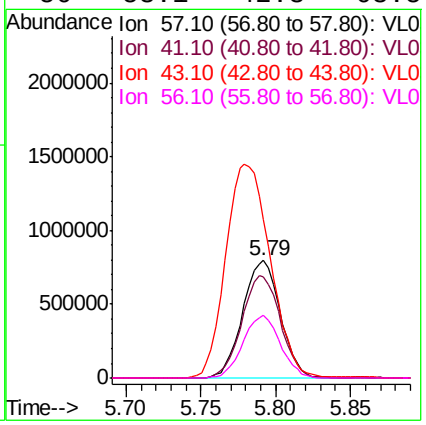


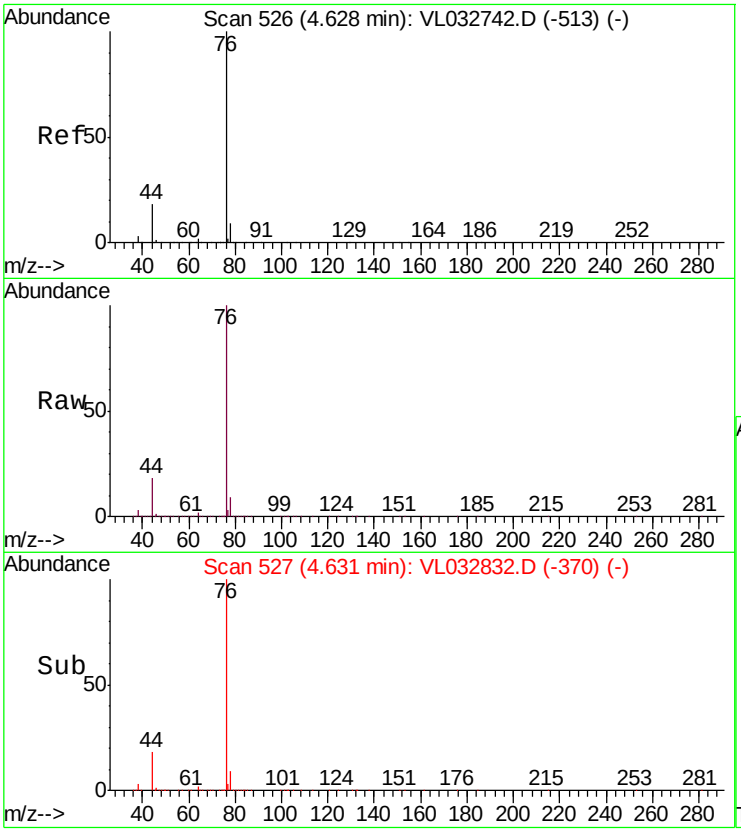


#26
Hexane
Concen: 10.165 ppbv
RT: 5.79 min Scan# 888
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 57 Resp: 1390974

Ion	Ratio	Lower	Upper
57	100		
41	89.5	70.3	105.5
43	215.5	174.0	261.0
56	53.1	42.3	63.5



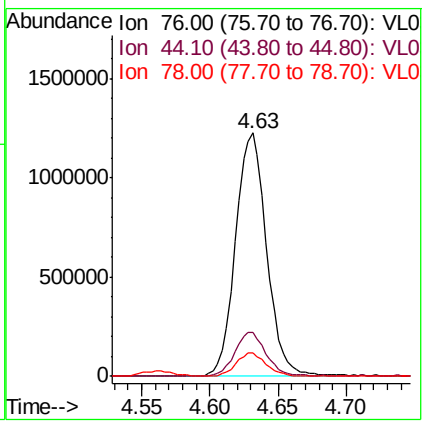


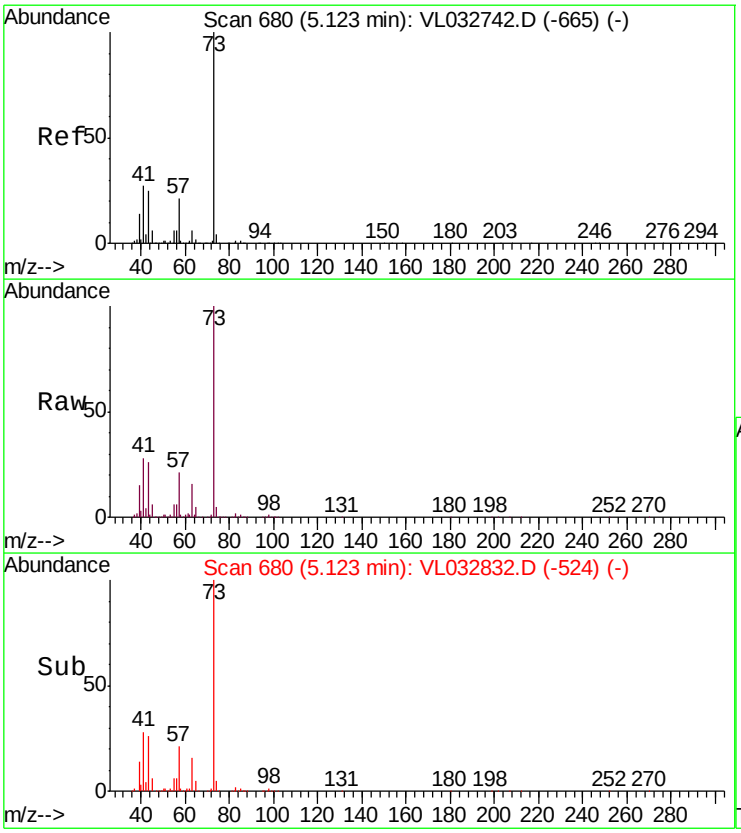
#27
Carbon Disulfide
Concen: 11.170 ppbv
RT: 4.63 min Scan# 527
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument : MSVOA_L
ClientSampleId : VL1129ABS01

Tgt Ion: 76 Resp: 1938153

Ion	Ratio	Lower	Upper
76	100		
44	18.2	14.4	21.6
78	9.2	7.7	11.5

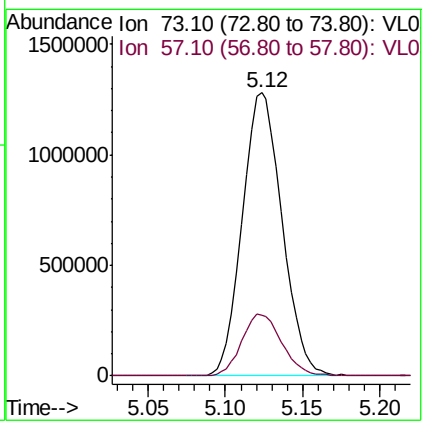


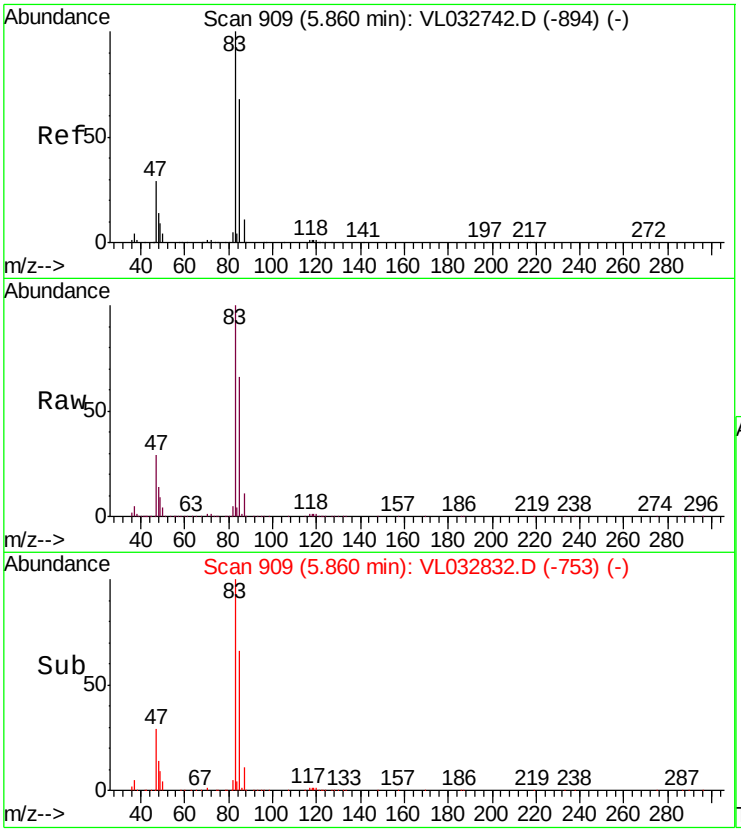


#28
Methyl tert-Butyl Ether
Concen: 10.509 ppbv
RT: 5.12 min Scan# 680
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 73 Resp: 2293214

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.5	26.3



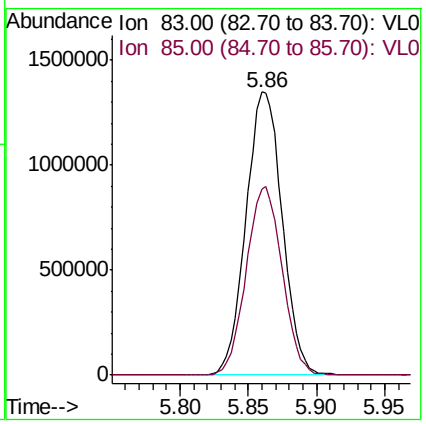


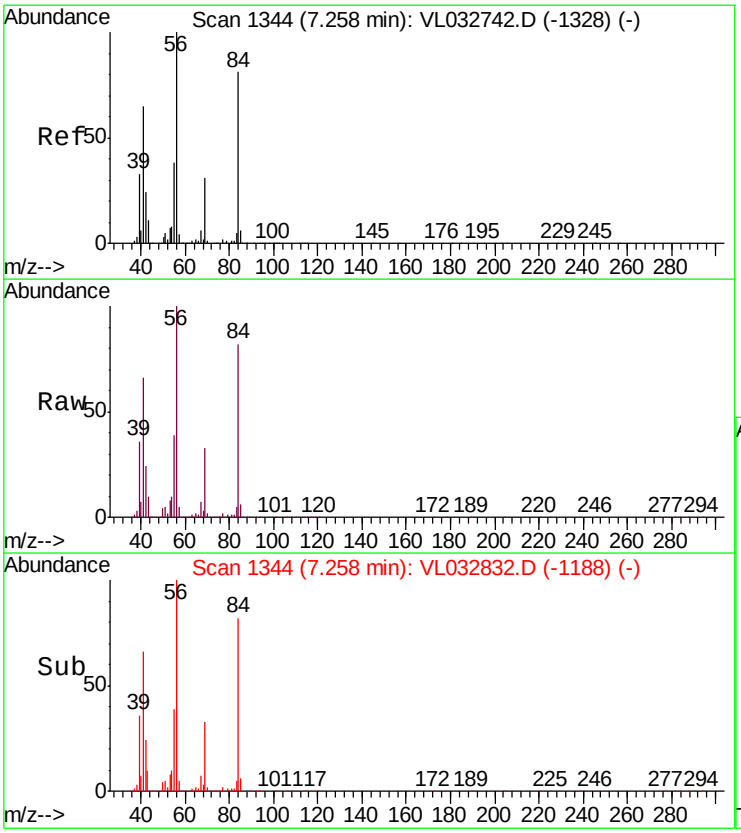
#29
Chloroform
Concen: 10.209 ppbv
RT: 5.86 min Scan# 909
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion: 83 Resp: 2489944

Ion	Ratio	Lower	Upper
83	100		
85	65.5	54.2	81.4





#30
Cyclohexane
Concen: 10.493 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 84 Resp: 1255762

Ion	Ratio	Lower	Upper
84	100		
56	127.0	105.0	157.4
41	79.2	65.3	97.9