Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL113018\

Quantitation Report (Not Reviewed)

Data File : VL032863.D
Acq On : 1 Dec 2018 00:15
Operator : SY/AP
Sample : J6132-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : DSV-04

Quant Time: Dec 01 02:27:49 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	1478505	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3745098	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3753623	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2889026	10.29	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	59936	0.282	ppbv		99
3) Chlorodifluoromethane	3.02	51	39821	0.340	ppbv		92
4) Chloromethane	3.18	50	11211	0.172	ppbv		97
5) Vinyl Chloride	3.05	62	2310	0.034	ppbv	#	79
9) Propene	3.04	41	147201	3.138	ppbv		97
10) Heptane	8.25	43	82006	0.458	ppbv		96
11) Trichlorofluoromethane	4.01	101	63321	0.316	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	6039	0.037	ppbv	#	14
13) Ethanol	3.67	45	1038746	67.608	ppbv		99
15) Acetone	3.90	43	1454389	10.772	ppbv	#	66
16) 1,3-Butadiene	3.35	39	301183	5.760	ppbv	#	14
17) tert-Butyl alcohol	4.38	59	84979	2.007	ppbv		96
19) Isopropyl Alcohol	4.05	45	85646	0.952	ppbv	#	1
20) Methylene Chloride	4.42	84	766177	10.961	ppbv		98
21) Allyl Chloride	4.42	41	23800	0.210	ppbv	#	36
22) trans-1,2-Dichloroethene	4.97	96	35757	0.455	ppbv		90
23) Vinyl Acetate	5.20	43	51832	0.211	ppbv	#	53
25) Ethyl Acetate	5.79	43	1572075	4.996	ppbv	#	77
26) Hexane	5.79	57	2245181	16.027	ppbv	#	44
27) Carbon Disulfide	4.63	76	15866	0.089	ppbv	#	83
29) Chloroform	5.85	83	11984	0.048	ppbv		87
30) Cyclohexane	7.25	84	6960	0.057	ppbv	#	1
34) 2-Butanone	5.33	43	2965539	15.267	ppbv		99
35) Carbon Tetrachloride	7.14	117	14884	0.049	ppbv	#	67
36) Benzene	7.01	78	85214	0.286	ppbv		99
38) Trichloroethene	7.97	130	4281	0.035	ppbv	#	75
39) 1,2-Dichloropropane	7.30	63	881374	7.757	ppbv	#	23
41) Tetrahydrofuran	5.79	42	817521	7.337	ppbv	#	50
44) 2,2,4-Trimethylpentane	7.99	57	86566	0.174	ppbv	#	31
50) 4-Methyl-2-Pentanone	8.87	43	16007	0.053	ppbv	#	1
51) 2-Hexanone	10.28	43	347529	1.778	ppbv	#	99
52) Tetrachloroethene	11.38	164	29682	0.286	ppbv	#	85
53) Toluene	9.96	91	1544910	4.966	ppbv		100
58) Ethyl Benzene	12.87	91	138908	0.307	ppbv		93
59) m/p-Xylene	13.13	91	282150	0.702	ppbv	#	79
60) o-Xylene	13.86	91	130807	0.323	ppbv		94
61) Styrene	13.70	104	60486	0.230	ppbv		93
69) p-Isopropyltoluene	17.82	119	97232	0.173	ppbv	#	85
72) 4-Ethyltoluene	16.01	105	53277	0.120	ppbv	#	87
73) 1,3,5-Trimethylbenzene	16.17	105	29856	0.069	ppbv		94
74) 1,2,4-Trimethylbenzene	16.94	105	182042	0.393	ppbv	#	67

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL113018\

Quantitation Report (Not Reviewed)

Data File : VL032863.D
Acq On : 1 Dec 2018 00:15
Operator : SY/AP
Sample : J6132-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : DSV-04

Quant Time: Dec 01 02:27:49 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)
79) Naphthalene	22.42	128	11566	0.038	ppbv #	87

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

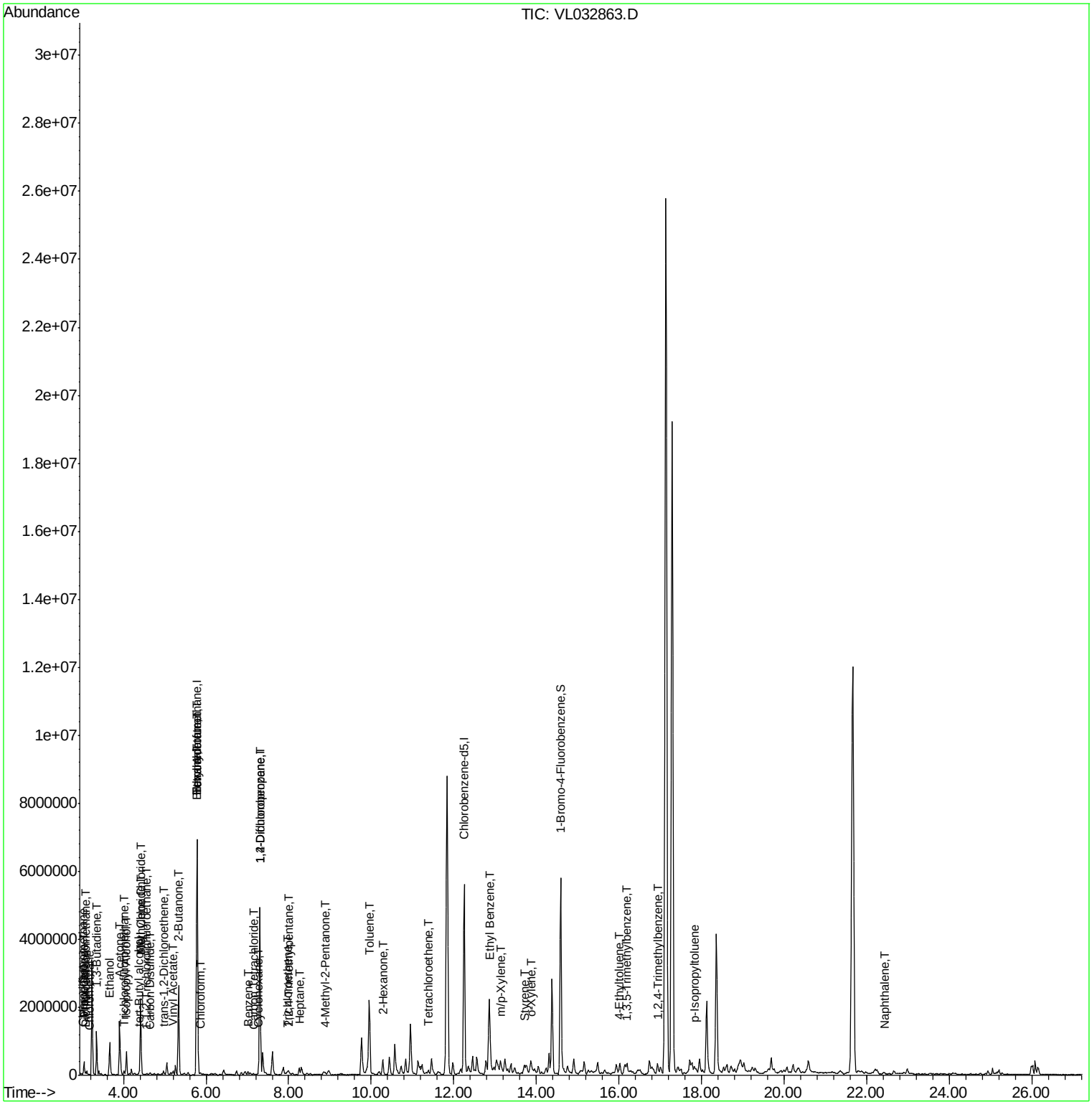
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL113018\

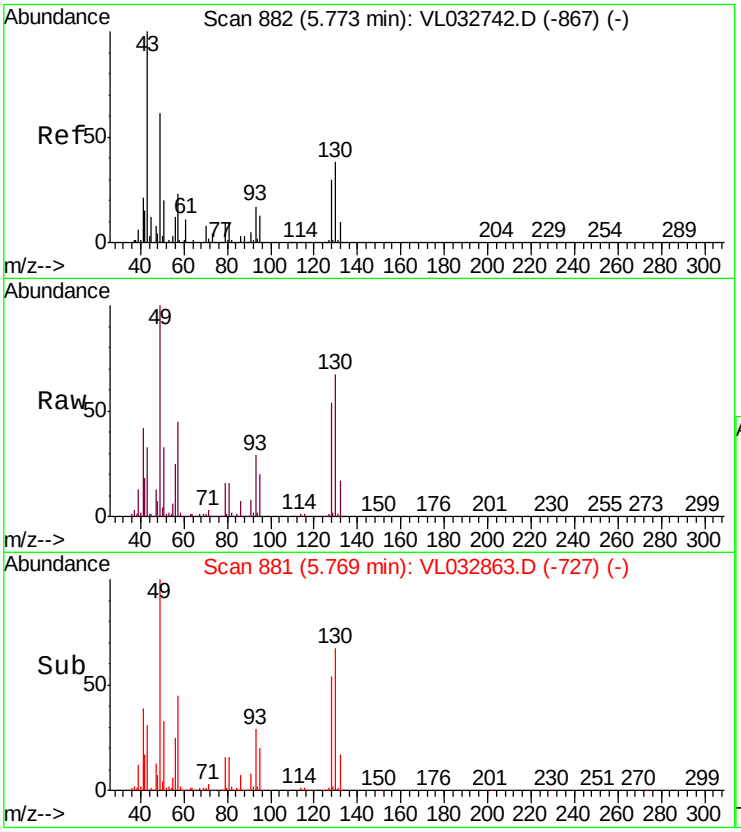
Quantitation Report (Not Reviewed)

Data File : VL032863.D
Acq On : 1 Dec 2018 00:15
Operator : SY/AP
Sample : J6132-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : DSV-04

Quant Time: Dec 01 02:27:49 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



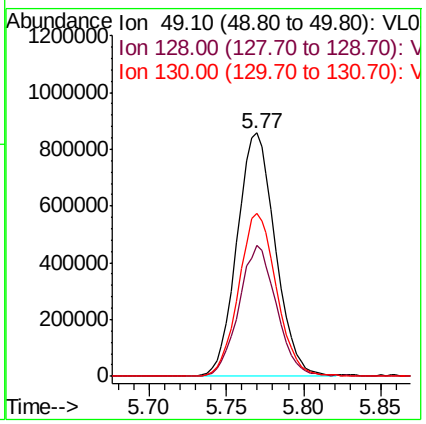


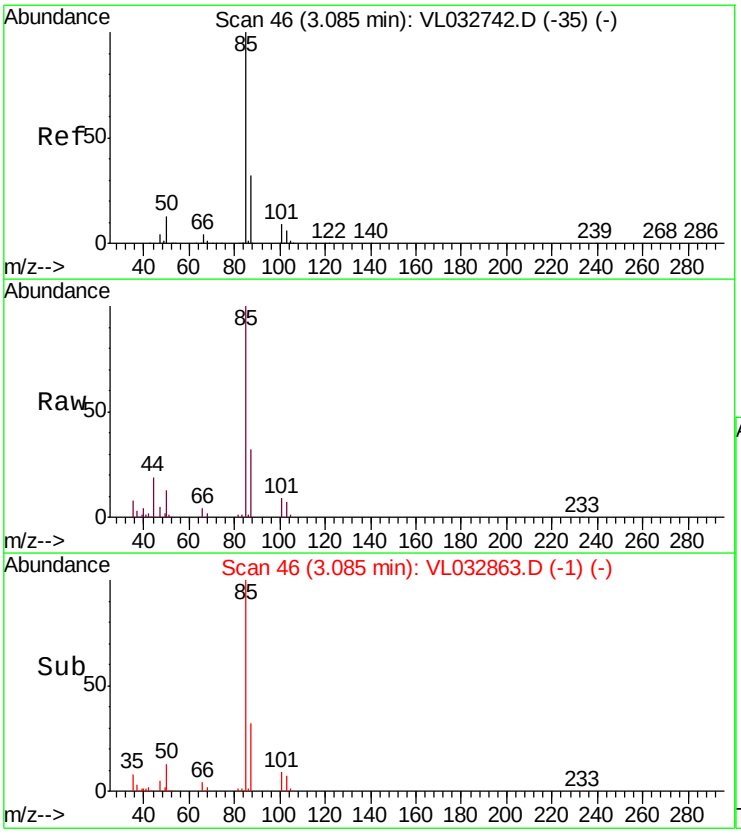
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Instrument :
MSVOA_L
ClientSampleId :
DSV-04

Tgt Ion: 49 Resp: 1478505

Ion	Ratio	Lower	Upper
49	100		
128	52.8	24.9	74.6
130	66.6	31.4	94.2

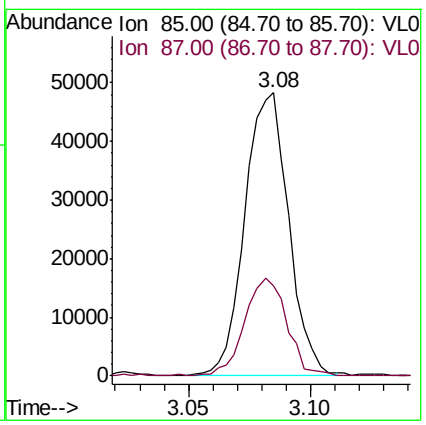


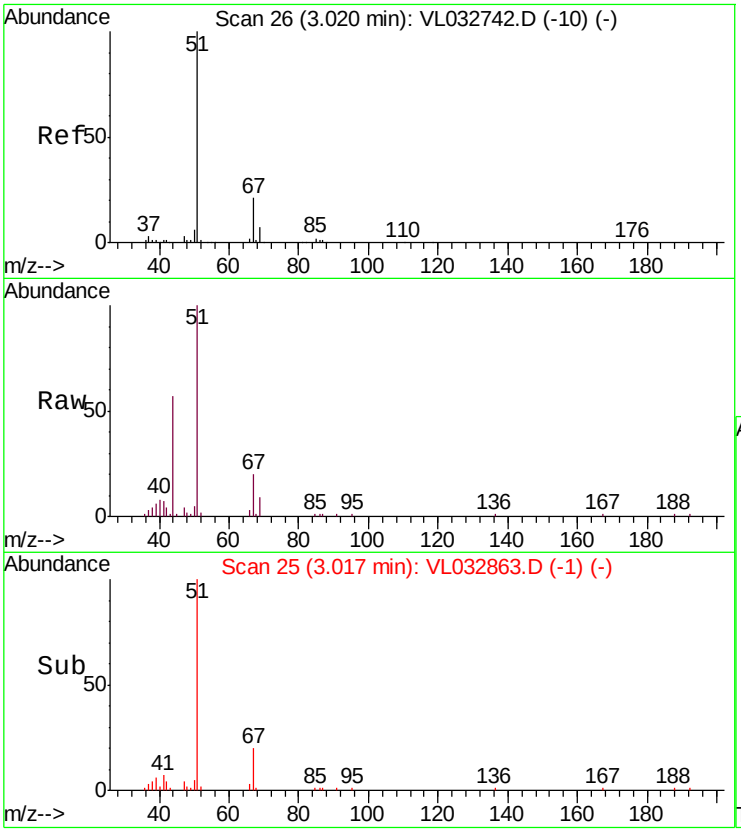


#2
Dichlorodifluoromethane
Concen: 0.282 ppbv
RT: 3.08 min Scan# 46
Delta R.T. -0.00 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Tgt Ion: 85 Resp: 59936

Ion	Ratio	Lower	Upper
85	100		
87	31.9	26.0	39.0



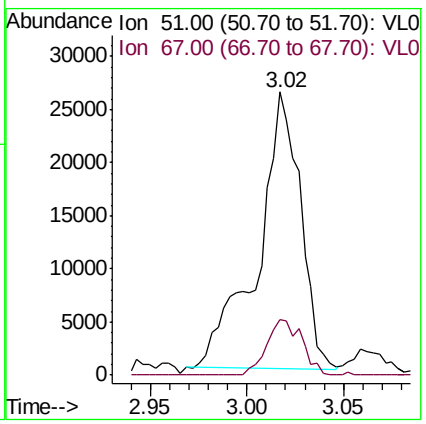


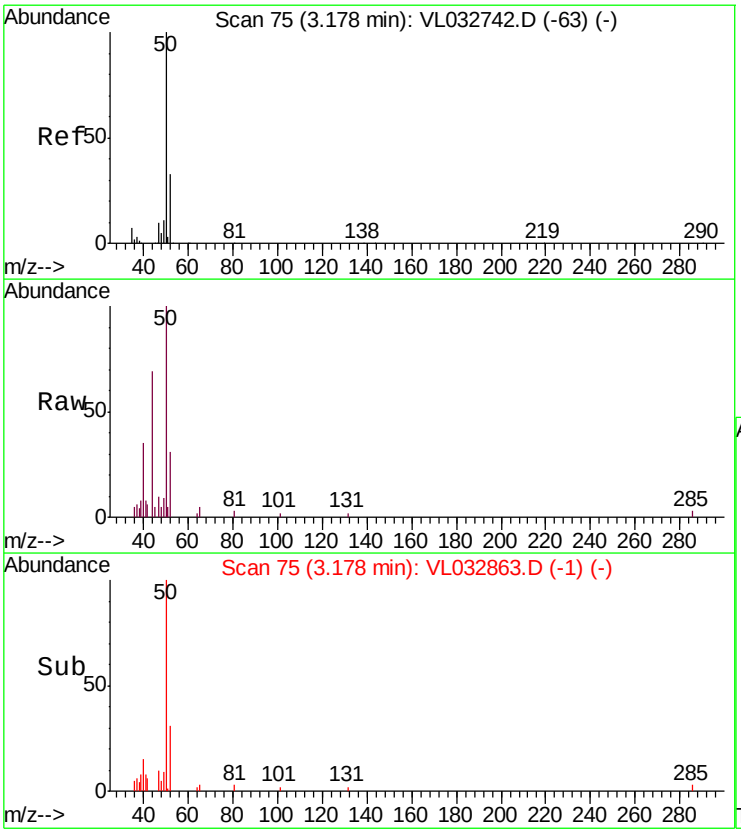
#3
Chlorodifluoromethane
Concen: 0.340 ppbv
RT: 3.02 min Scan# 25
Delta R.T. -0.00 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Instrument :
MSVOA_L
ClientSampleId :
DSV-04

Tgt Ion: 51 Resp: 39821

Ion	Ratio	Lower	Upper
51	100		
67	16.5	16.1	24.1

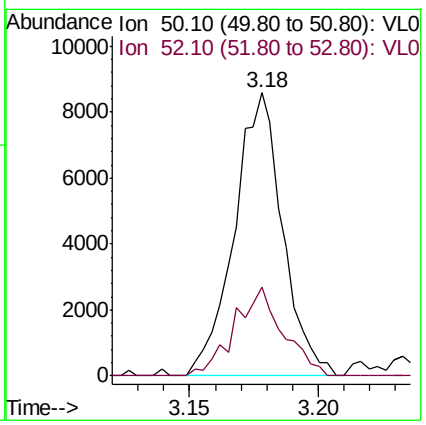


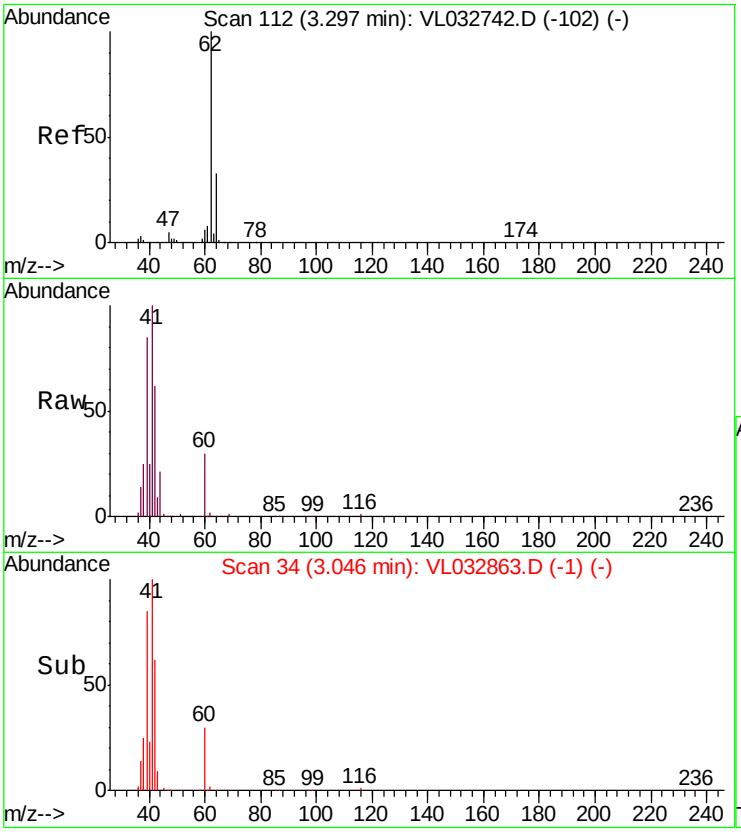


#4
Chloromethane
Concen: 0.172 ppbv
RT: 3.18 min Scan# 75
Delta R.T. -0.00 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Tgt Ion: 50 Resp: 11211

Ion	Ratio	Lower	Upper
50	100		
52	31.5	26.6	40.0



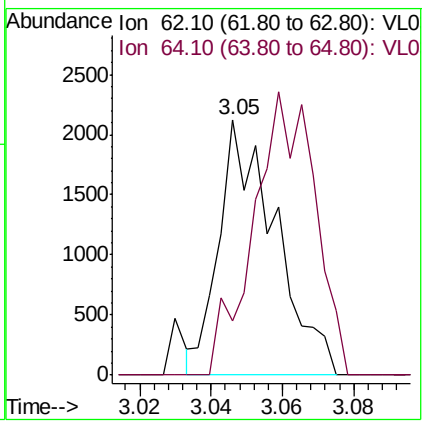


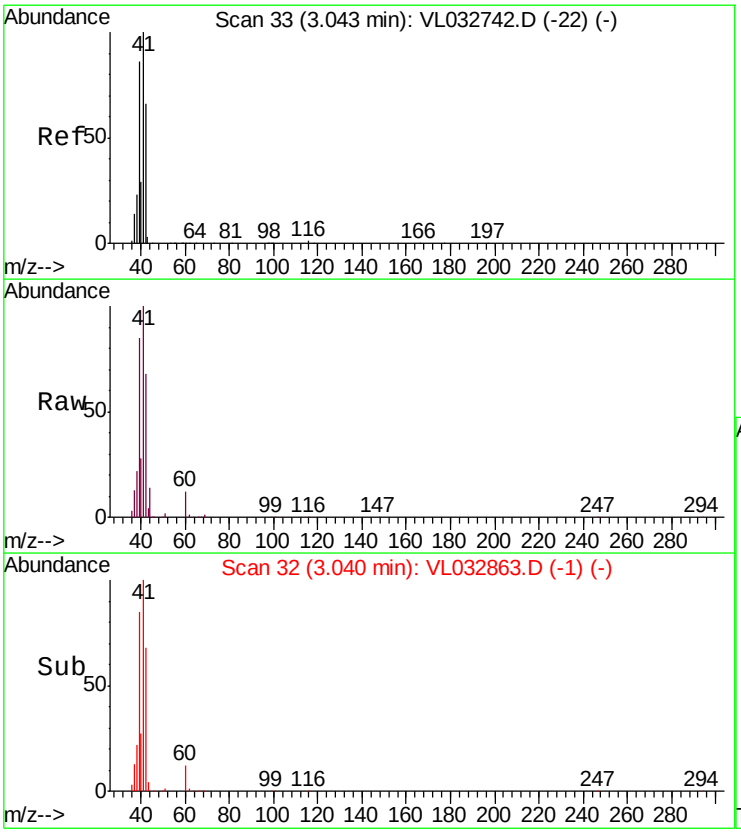
#5
Vinyl Chloride
Concen: 0.034 ppbv
RT: 3.05 min Scan# 34
Delta R.T. -0.25 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Instrument : MSVOA_L
ClientSampleId : DSV-04

Tgt Ion: 62 Resp: 2310

Ion	Ratio	Lower	Upper
62	100		
64	21.0	26.2	39.4#

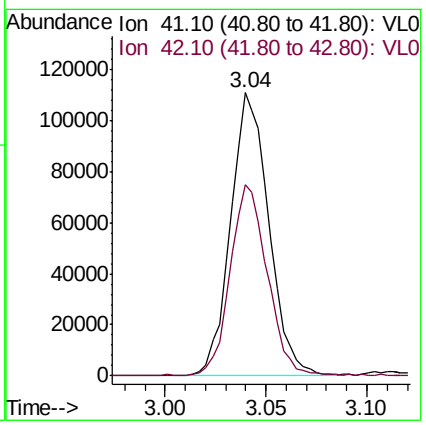


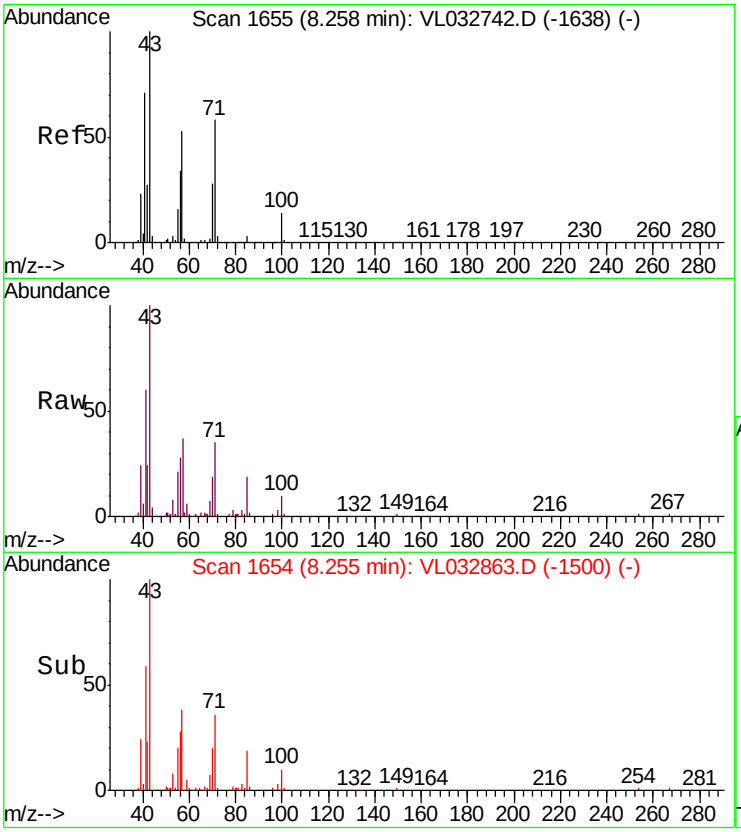


#9
Propene
Concen: 3.138 ppbv
RT: 3.04 min Scan# 32
Delta R.T. -0.00 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Tgt Ion: 41 Resp: 147201

Ion	Ratio	Lower	Upper
41	100		
42	66.2	55.0	82.6



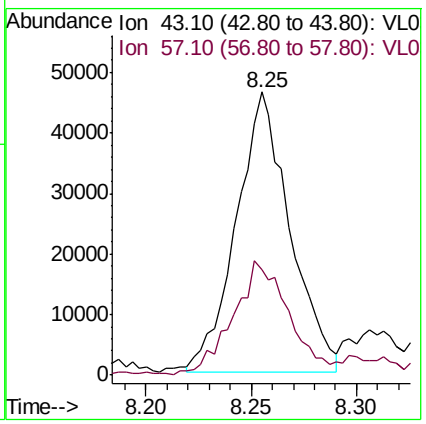


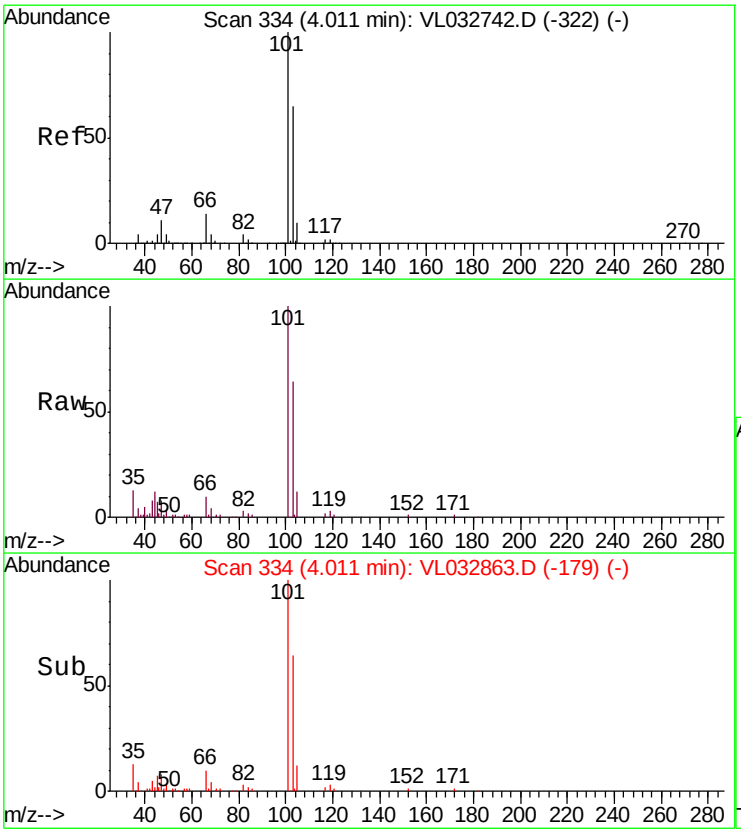
#10
Heptane
Concen: 0.458 ppbv
RT: 8.25 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Instrument : MSVOA_L
ClientSampleId : DSV-04

Tgt Ion: 43 Resp: 82006

Ion	Ratio	Lower	Upper
43	100		
57	49.7	41.8	62.8

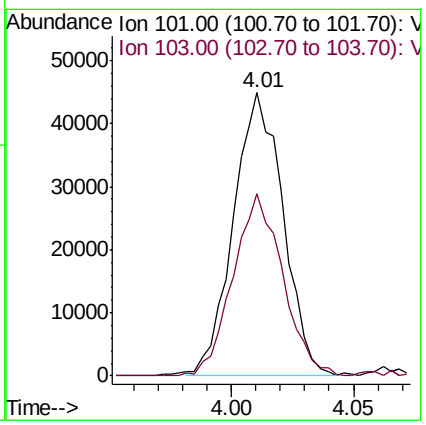


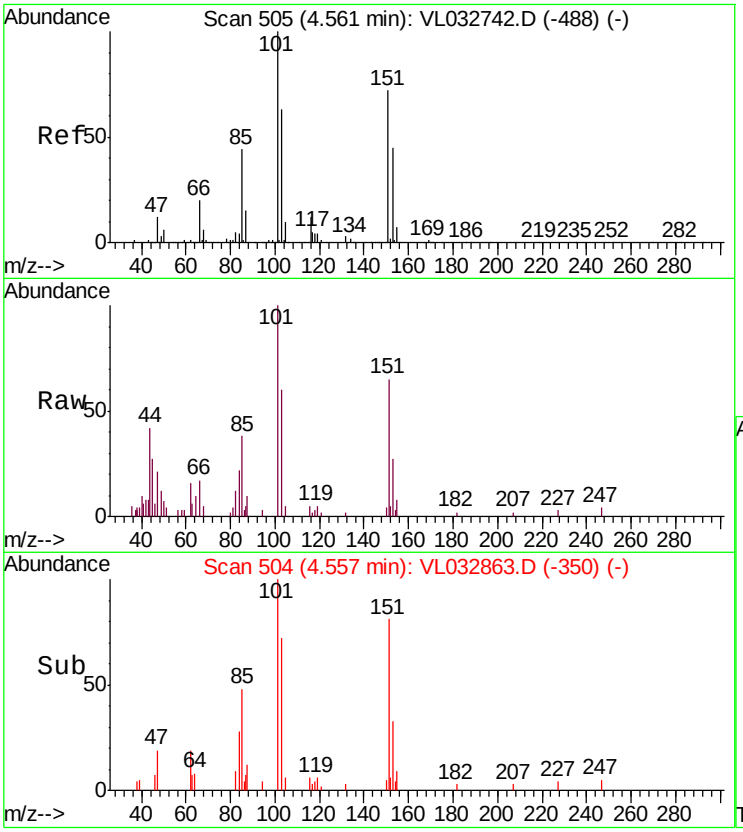


#11
Trichlorofluoromethane
Concen: 0.316 ppbv
RT: 4.01 min Scan# 334
Delta R.T. -0.00 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Tgt Ion:101 Resp: 63321

Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.6	77.4



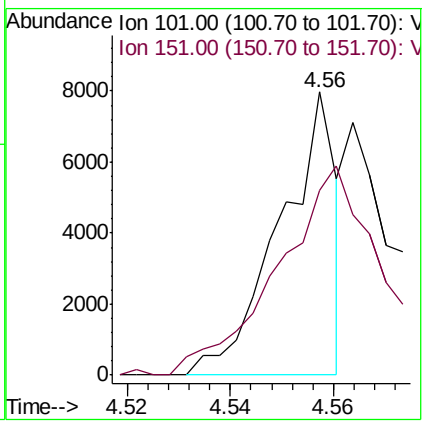


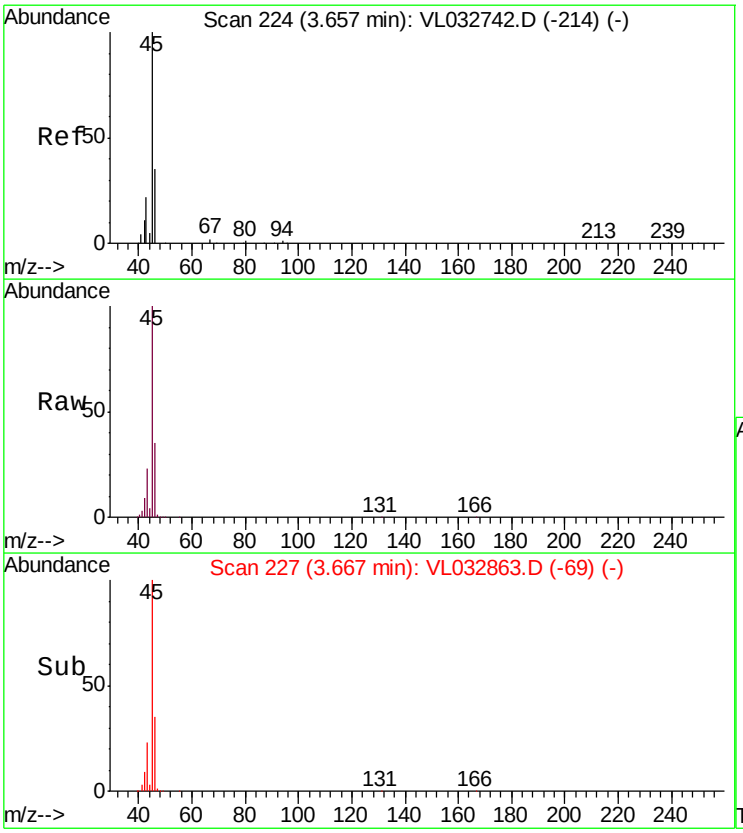
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.037 ppbv
RT: 4.56 min Scan# 504
Delta R.T. -0.00 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Instrument :
MSVOA_L
ClientSampleId :
DSV-04

Tgt Ion:101 Resp: 6039

Ion	Ratio	Lower	Upper
101	100		
151	0.0	56.7	85.1#

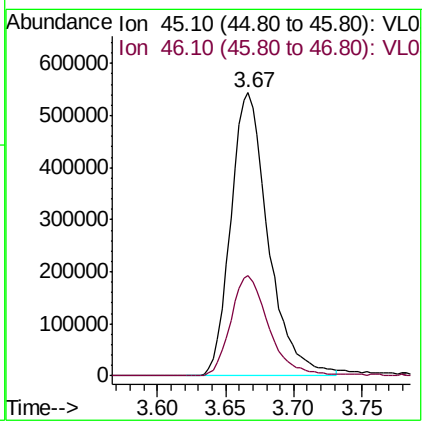


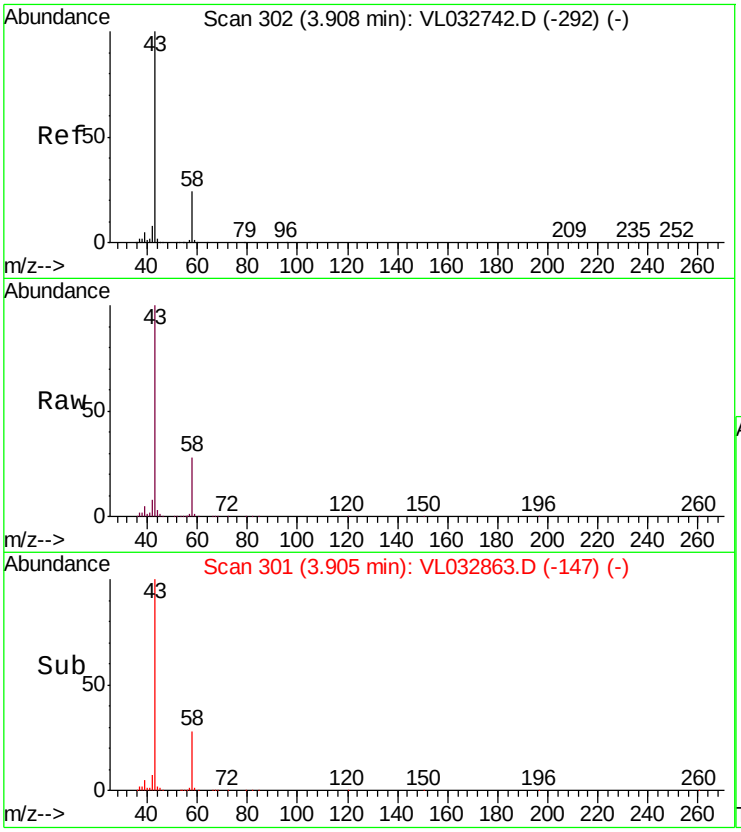


#13
Ethanol
Concen: 67.608 ppbv
RT: 3.67 min Scan# 227
Delta R.T. 0.01 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Tgt Ion: 45 Resp: 1038746

Ion	Ratio	Lower	Upper
45	100		
46	36.6	14.5	57.9



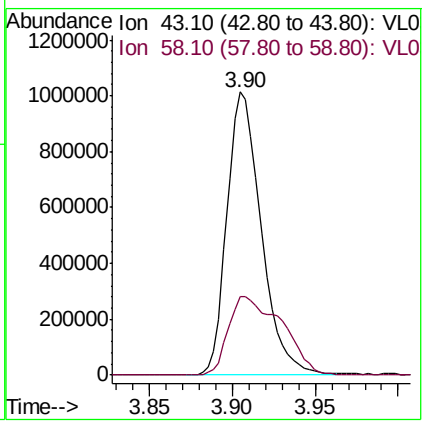


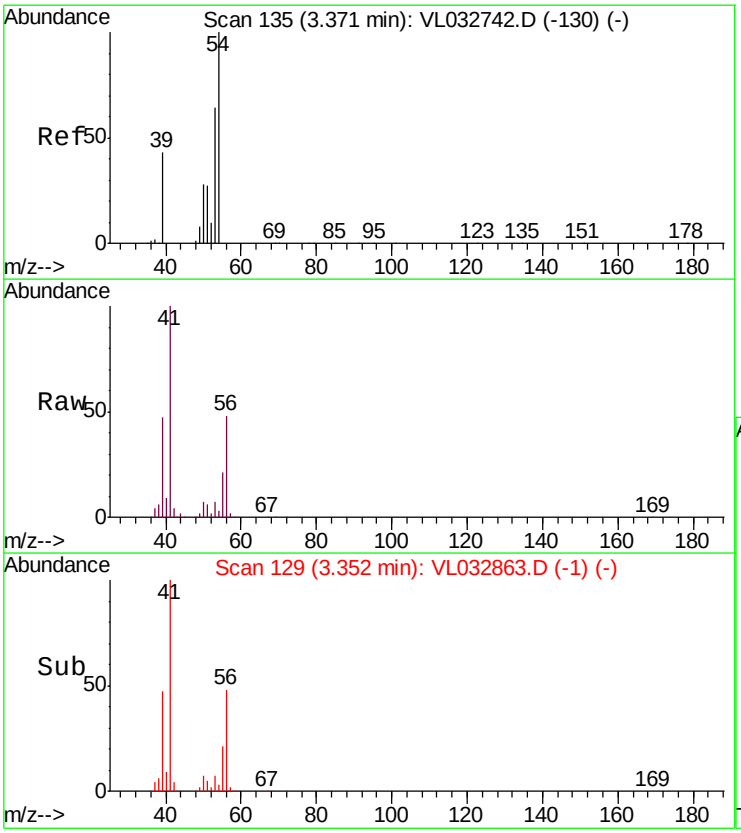
#15
Acetone
Concen: 10.772 ppbv
RT: 3.90 min Scan# 301
Delta R.T. -0.00 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Instrument :
MSVOA_L
ClientSampleId :
DSV-04

Tgt Ion: 43 Resp: 1454389

Ion	Ratio	Lower	Upper
43	100		
58	44.1	21.1	31.7#

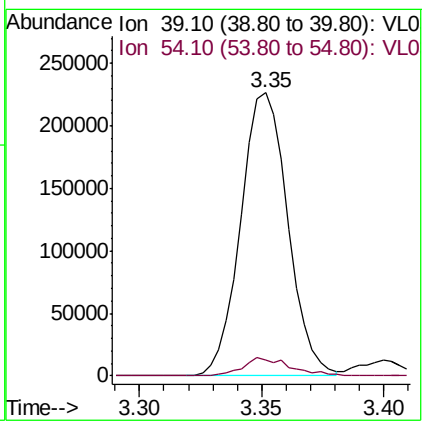


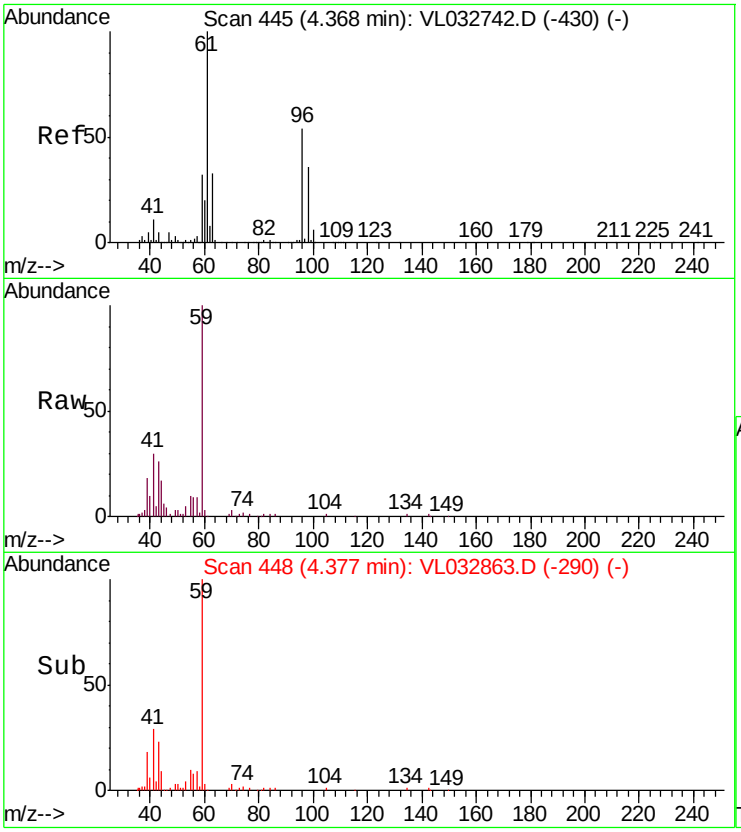


#16
1,3-Butadiene
Concen: 5.760 ppbv
RT: 3.35 min Scan# 129
Delta R.T. -0.02 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Tgt Ion: 39 Resp: 301183

Ion	Ratio	Lower	Upper
39	100		
54	6.7	68.9	103.3#



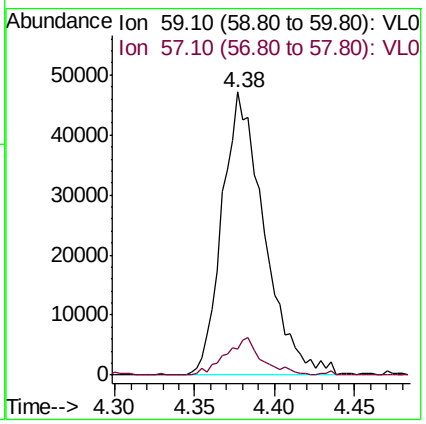


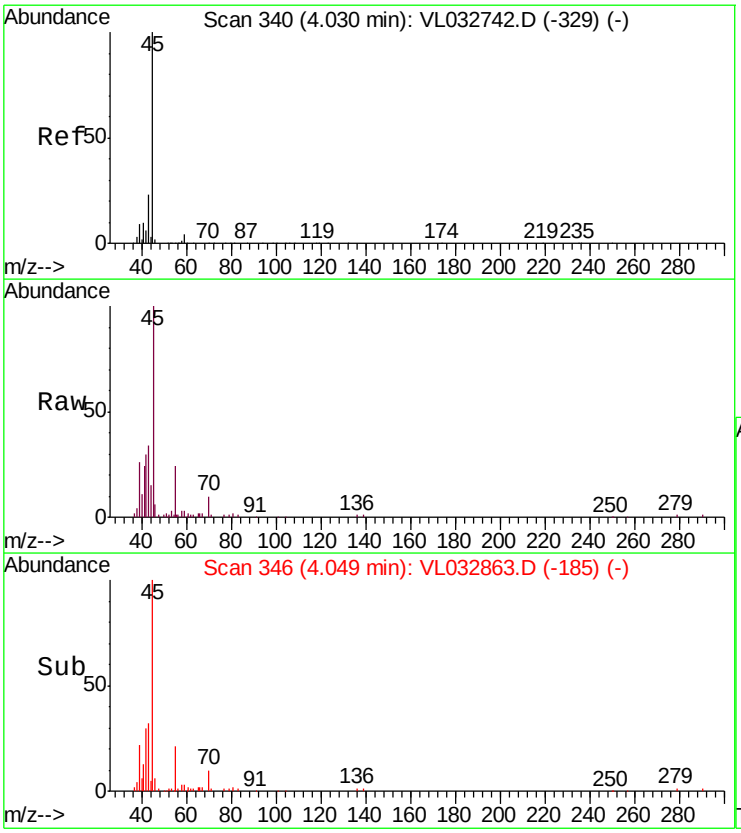
#17
tert-Butyl alcohol
Concen: 2.007 ppbv
RT: 4.38 min Scan# 448
Delta R.T. 0.01 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Instrument :
MSVOA_L
ClientSampleId :
DSV-04

Tgt Ion: 59 Resp: 84979

Ion	Ratio	Lower	Upper
59	100		
57	11.3	7.8	11.8

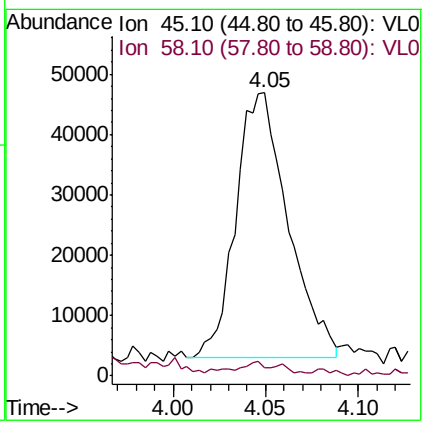


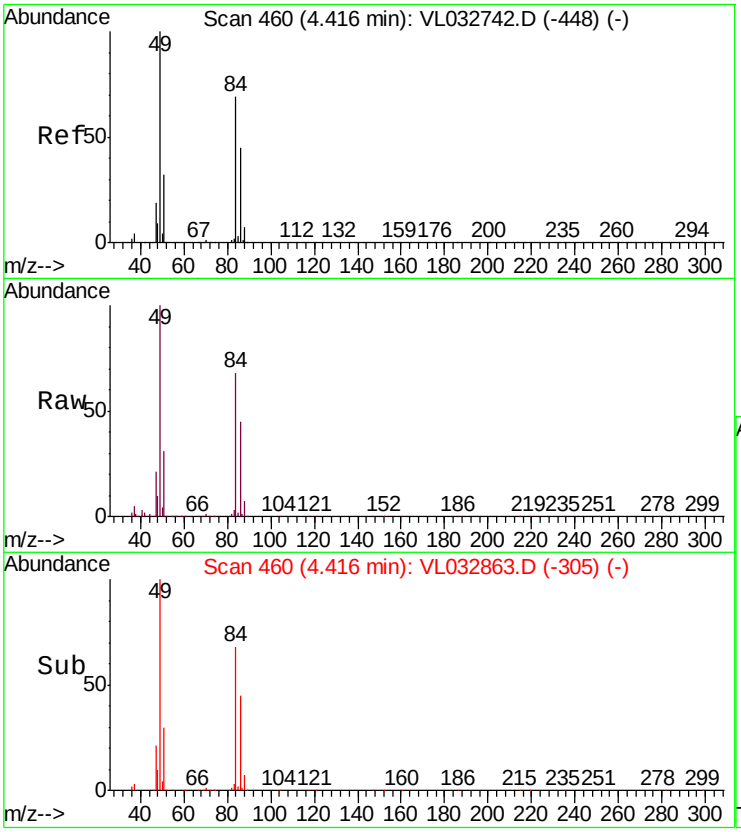


#19
Isopropyl Alcohol
Concen: 0.952 ppbv
RT: 4.05 min Scan# 346
Delta R.T. 0.02 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Tgt Ion: 45 Resp: 85646

Ion	Ratio	Lower	Upper
45	100		
58	744.5	1.4	2.0#



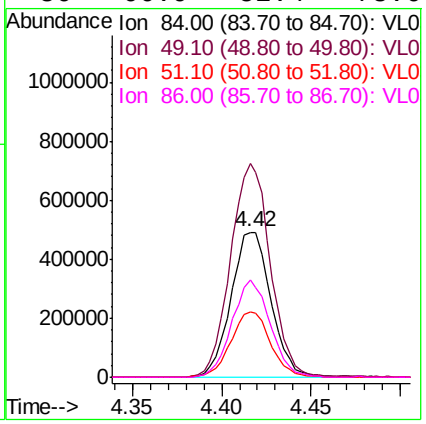


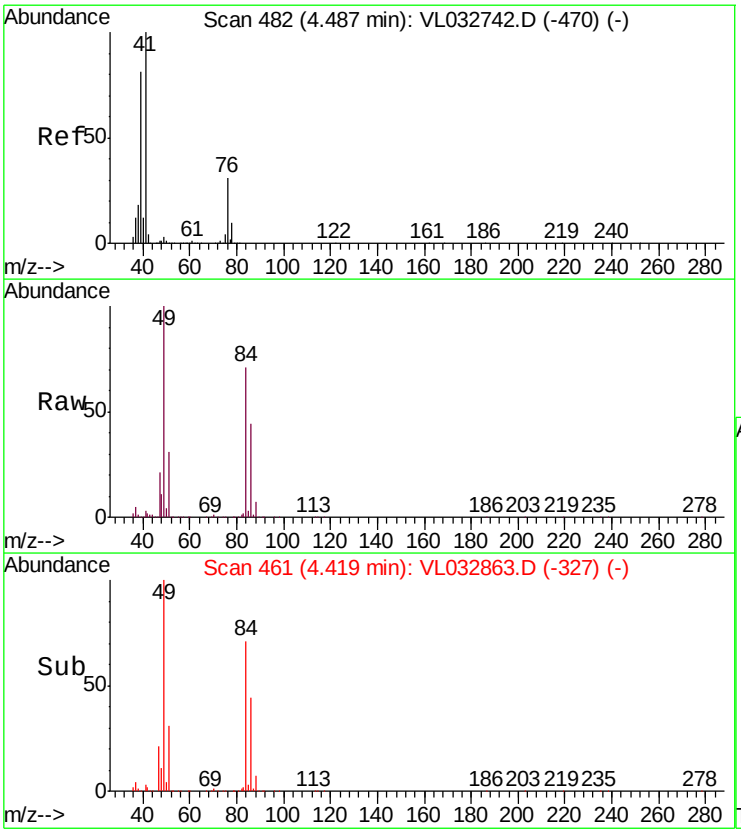
#20
Methylene Chloride
Concen: 10.961 ppbv
RT: 4.42 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Instrument : MSVOA_L
ClientSampleId : DSV-04

Tgt Ion: 84 Resp: 766177

Ion	Ratio	Lower	Upper
84	100		
49	147.4	115.8	173.6
51	44.9	36.9	55.3
86	66.9	52.4	78.6

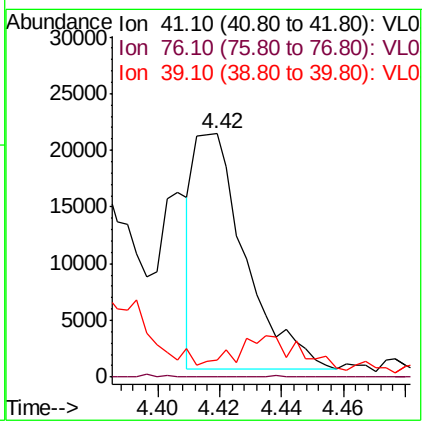


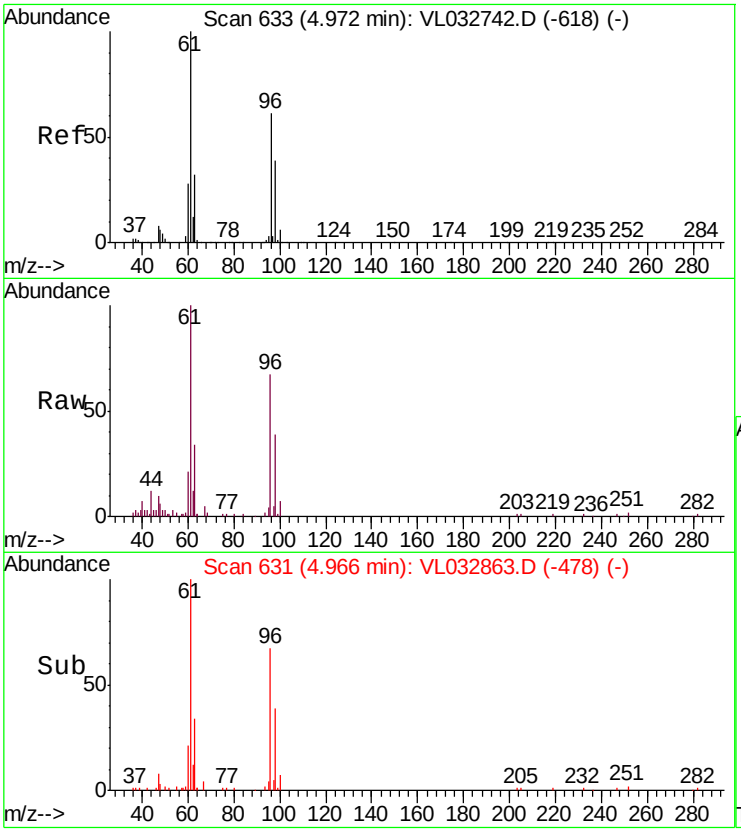


#21
Allyl Chloride
Concen: 0.210 ppbv
RT: 4.42 min Scan# 461
Delta R.T. -0.07 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Tgt Ion: 41 Resp: 23800

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.4	36.6#
39	20.0	63.5	95.3#



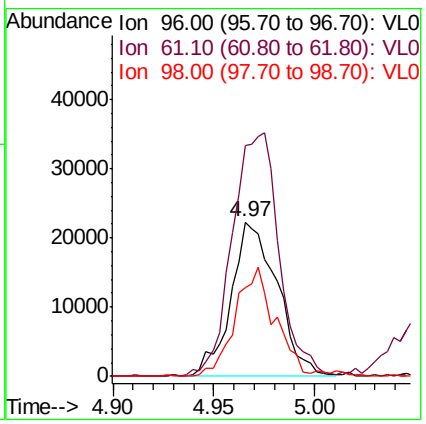


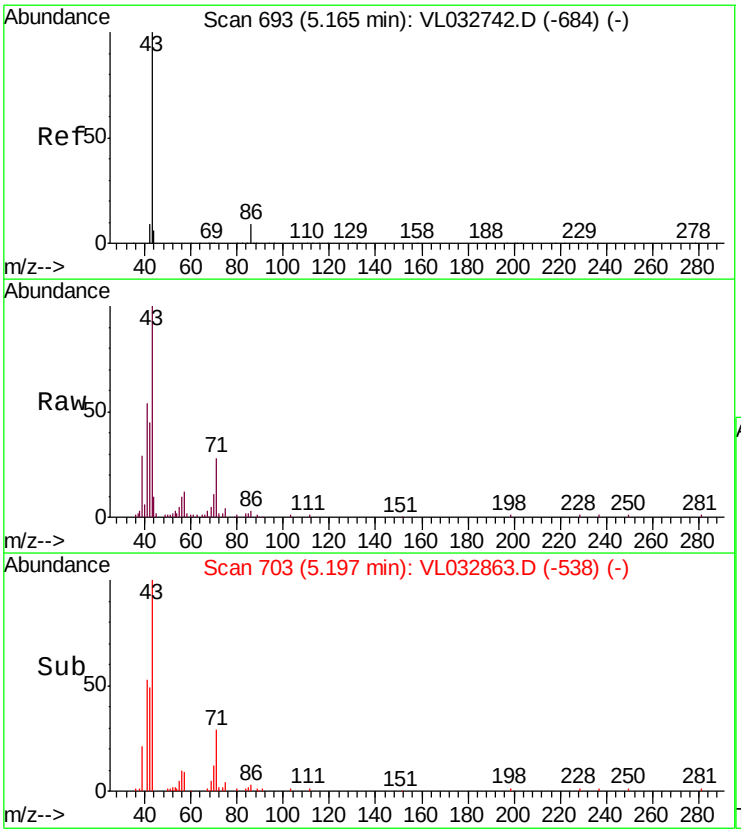
#22
trans-1,2-Dichloroethene
Concen: 0.455 ppbv
RT: 4.97 min Scan# 631
Delta R.T. -0.01 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Instrument : MSVOA_L
ClientSampleId : DSV-04

Tgt Ion: 96 Resp: 35757

Ion	Ratio	Lower	Upper
96	100		
61	148.0	130.2	195.2
98	57.6	50.2	75.2

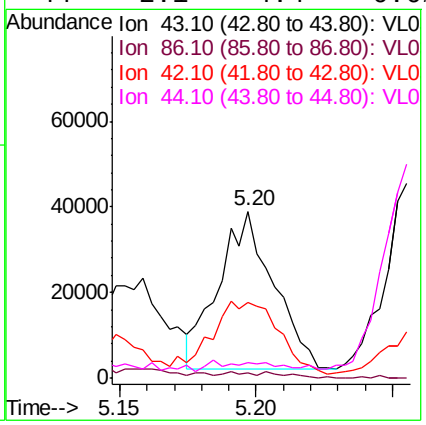


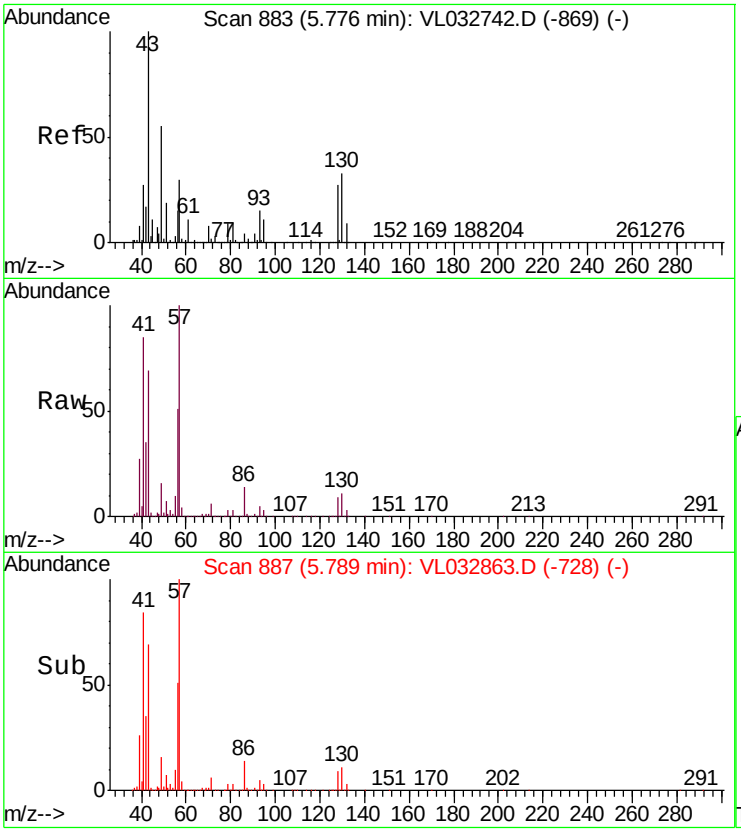


#23
Vinyl Acetate
Concen: 0.211 ppbv
RT: 5.20 min Scan# 703
Delta R.T. 0.03 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Tgt Ion: 43 Resp: 51832

Ion	Ratio	Lower	Upper
43	100		
86	3.3	6.2	9.4#
42	45.1	7.8	11.6#
44	2.1	4.4	6.6#



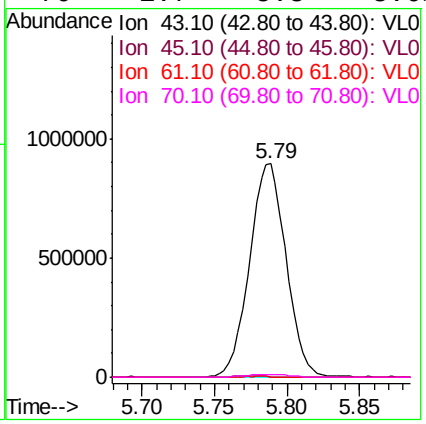


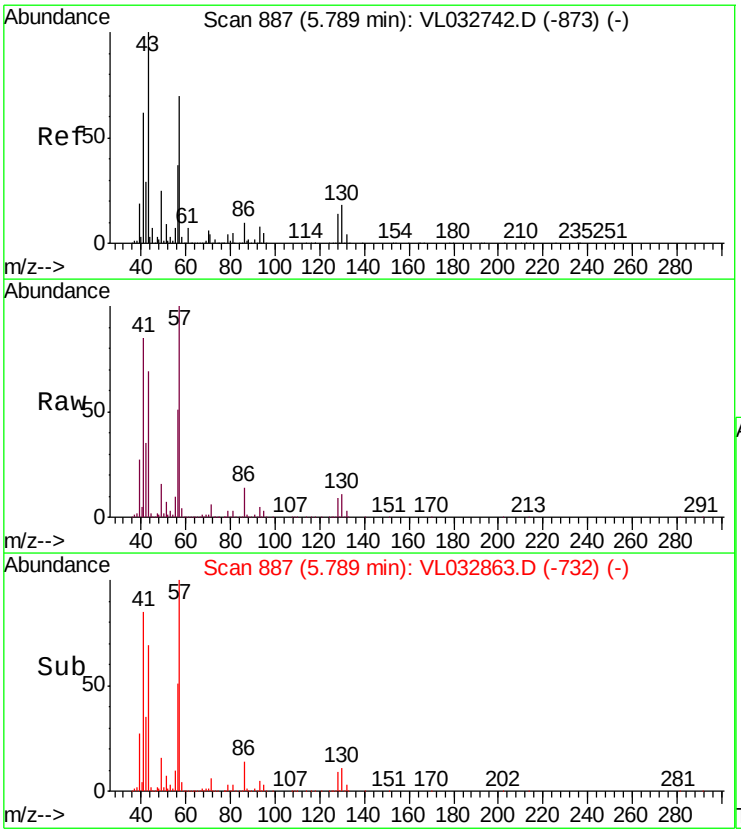
#25
Ethyl Acetate
Concen: 4.996 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.01 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Instrument : MSVOA_L
ClientSampleId : DSV-04

Tgt Ion: 43 Resp: 1572075

Ion	Ratio	Lower	Upper
43	100		
45	0.7	7.9	11.9#
61	0.5	7.8	11.6#
70	1.7	5.8	8.6#

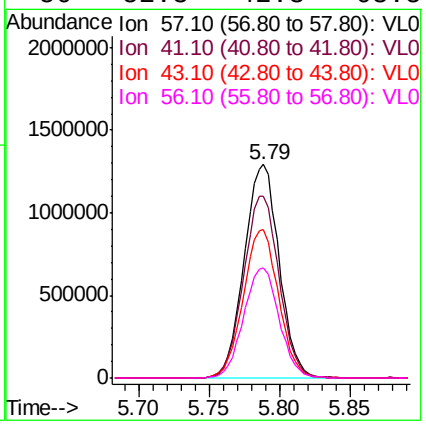


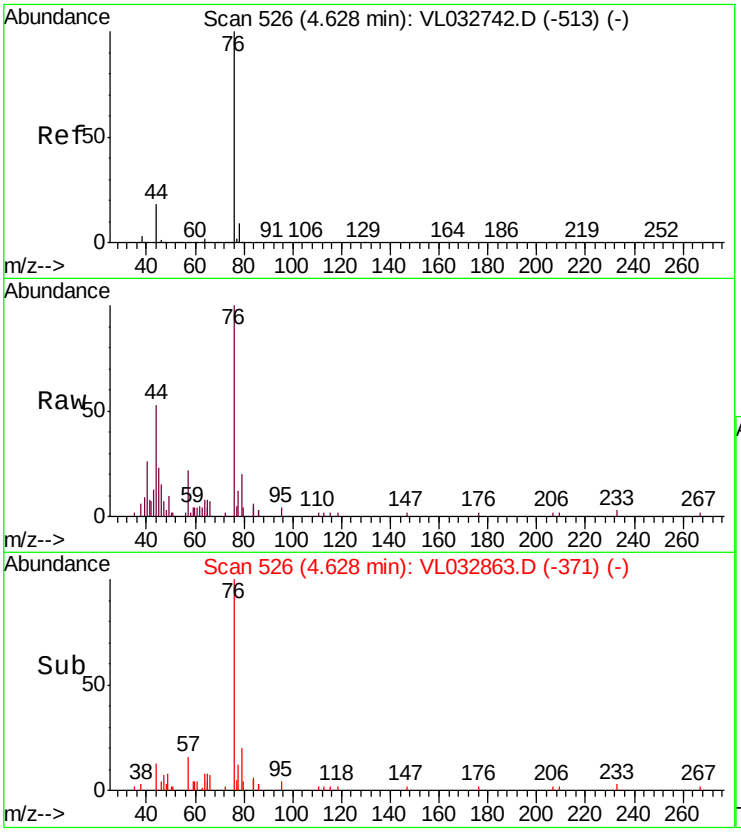


#26
Hexane
Concen: 16.027 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.00 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Tgt Ion: 57 Resp: 2245181

Ion	Ratio	Lower	Upper
57	100		
41	87.3	70.3	105.5
43	70.2	174.0	261.0#
56	52.3	42.3	63.5



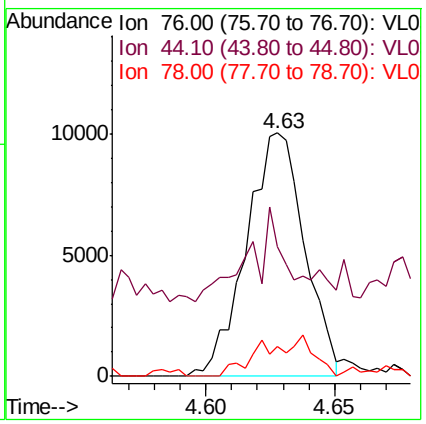


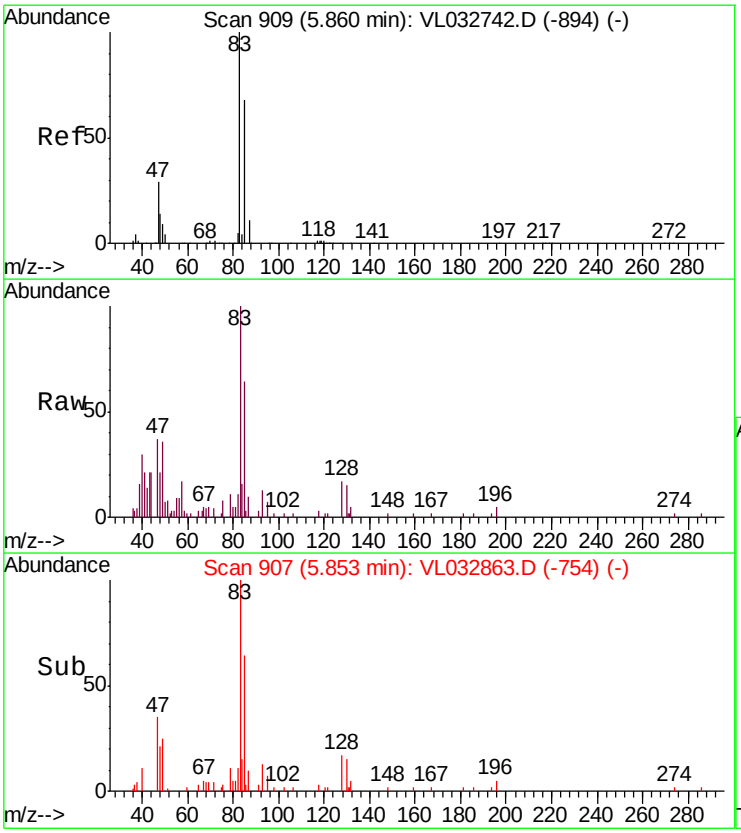
#27
Carbon Disulfide
Concen: 0.089 ppbv
RT: 4.63 min Scan# 526
Delta R.T. -0.00 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Instrument : MSVOA_L
ClientSampleId : DSV-04

Tgt Ion: 76 Resp: 15866

Ion	Ratio	Lower	Upper
76	100		
44	25.2	14.4	21.6#
78	16.9	7.7	11.5#

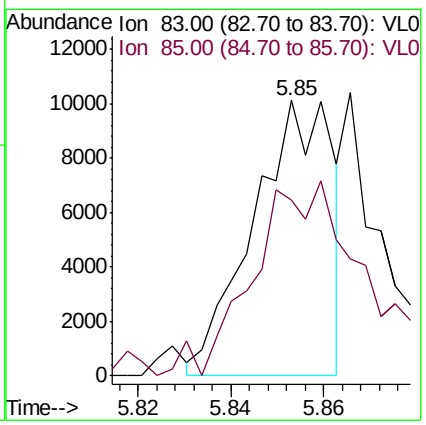


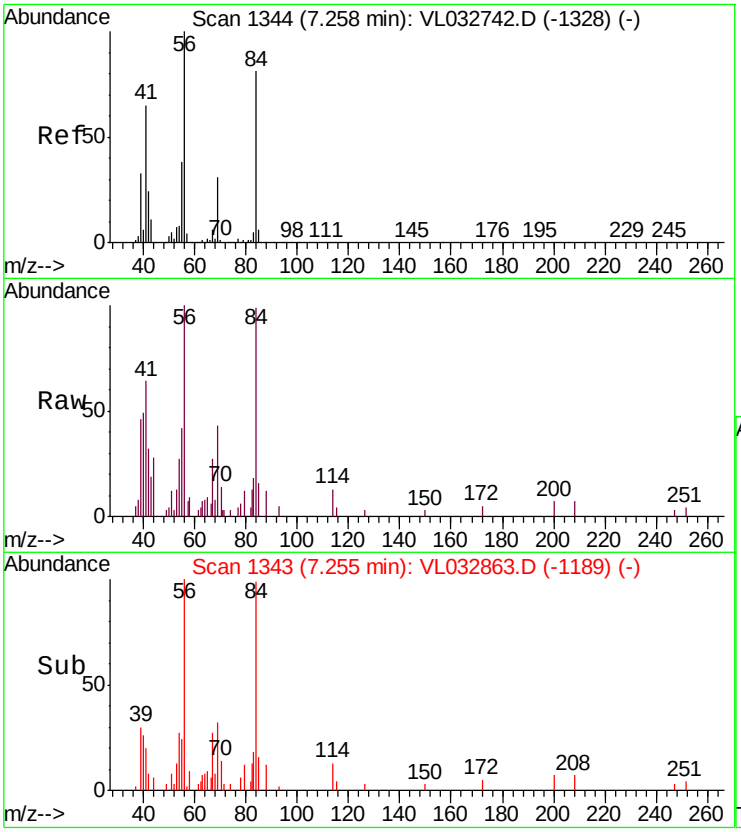


#29
Chloroform
Concen: 0.048 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.01 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Tgt Ion: 83 Resp: 11984

Ion	Ratio	Lower	Upper
83	100		
85	57.1	54.2	81.4



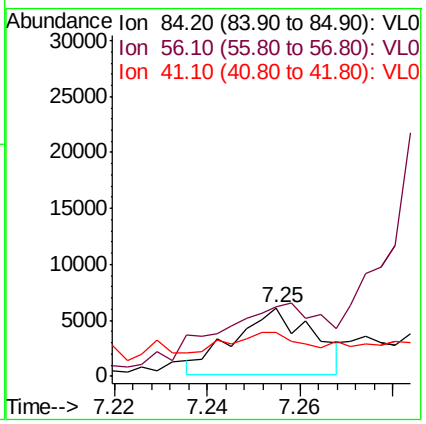


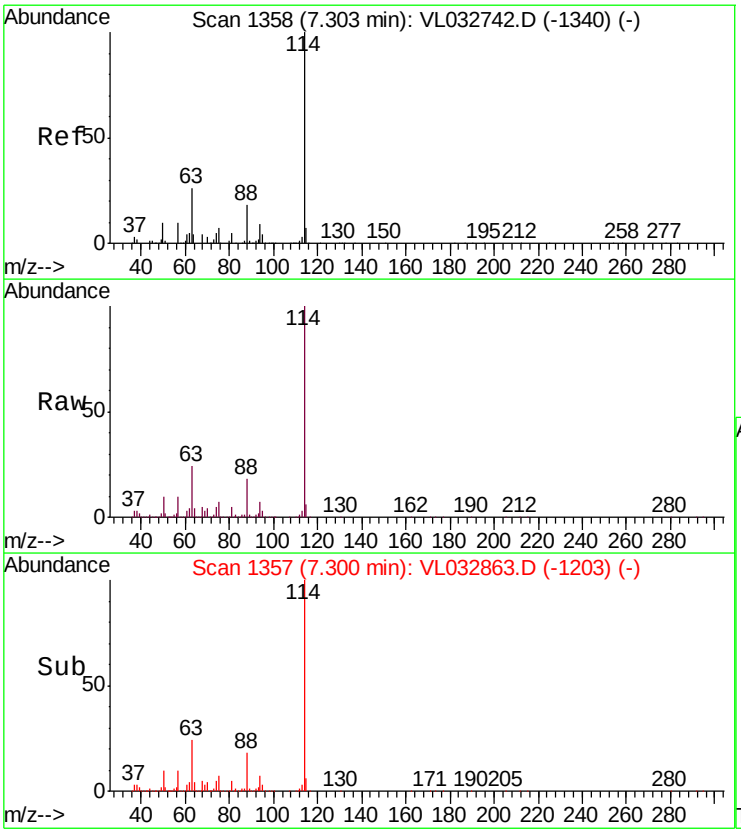
#30
Cyclohexane
Concen: 0.057 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Instrument : MSVOA_L
ClientSampleId : DSV-04

Tgt Ion: 84 Resp: 6960

Ion	Ratio	Lower	Upper
84	100		
56	0.0	105.0	157.4#
41	0.0	65.3	97.9#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VL032863.D
Acq: 1 Dec 2018 00:15

Tgt Ion:114 Resp: 3745098

Ion	Ratio	Lower	Upper
114	100		
63	23.7	20.9	31.3
88	17.3	14.4	21.6