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

Quantitation Report (Not Reviewed)

Data File : VL032865.D
Acq On : 1 Dec 2018 1:31
Operator : SY/AP
Sample : J6132-06 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : DSV-05DL

Quant Time: Dec 01 02:28:40 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	1362993	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3422943	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3273487	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2545085	10.39	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	12619	0.064	ppbv		98
3) Chlorodifluoromethane	3.02	51	6380	0.059	ppbv	#	89
4) Chloromethane	3.17	50	3449	0.058	ppbv		97
8) Dichlorotetrafluoroethane	3.08	85	12619	0.082	ppbv	#	17
9) Propene	3.04	41	877088	20.283	ppbv		94
11) Trichlorofluoromethane	4.01	101	7355	0.040	ppbv		96
13) Ethanol	3.67	45	36899	2.605	ppbv		93
15) Acetone	3.91	43	301577	2.423	ppbv	#	89
16) 1,3-Butadiene	3.35	39	422066	8.756	ppbv	#	20
17) tert-Butyl alcohol	4.39	59	4867	0.125	ppbv	#	73
19) Isopropyl Alcohol	4.05	45	4178	0.050	ppbv	#	95
20) Methylene Chloride	4.42	84	23579	0.366	ppbv	#	86
21) Allyl Chloride	4.47	41	6287	0.060	ppbv	#	1
23) Vinyl Acetate	5.20	43	29163	0.129	ppbv	#	43
25) Ethyl Acetate	5.79	43	55957	0.193	ppbv	#	82
26) Hexane	5.79	57	82046	0.635	ppbv	#	37
27) Carbon Disulfide	4.63	76	297347	1.816	ppbv	#	94
34) 2-Butanone	5.34	43	428223	2.412	ppbv		99
36) Benzene	7.01	78	87019	0.319	ppbv		97
39) 1,2-Dichloropropane	7.30	63	818806	7.884	ppbv	#	23
44) 2,2,4-Trimethylpentane	8.00	57	14681	0.032	ppbv	#	19
53) Toluene	9.96	91	54359	0.191	ppbv		100

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

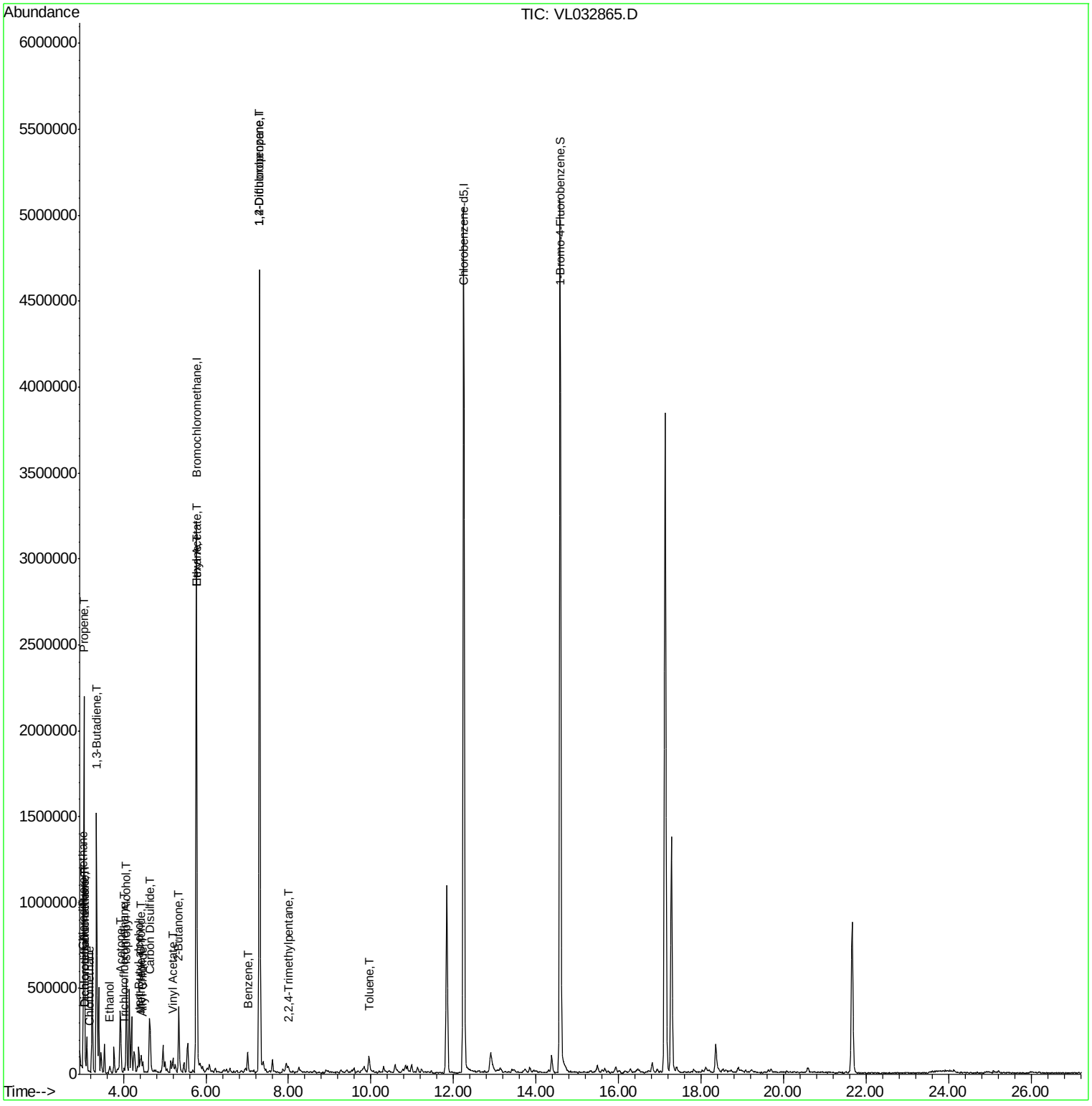
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL113018\

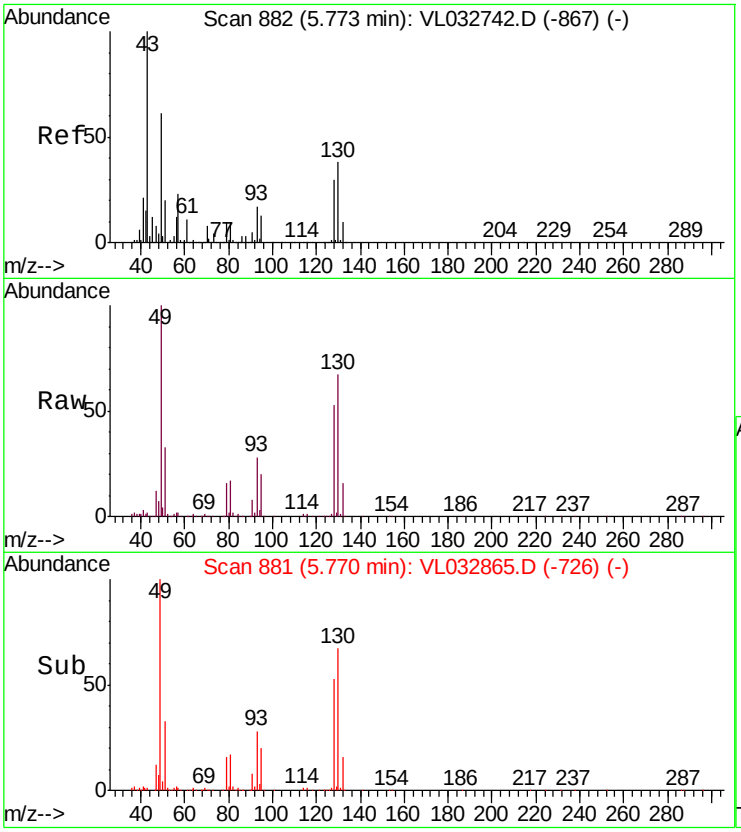
Quantitation Report (Not Reviewed)

Data File : VL032865.D
Acq On : 1 Dec 2018 1:31
Operator : SY/AP
Sample : J6132-06 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : DSV-05DL

Quant Time: Dec 01 02:28:40 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



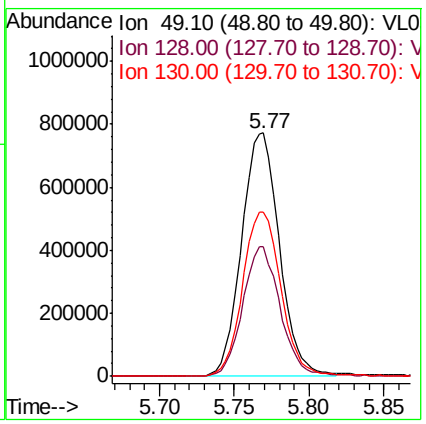


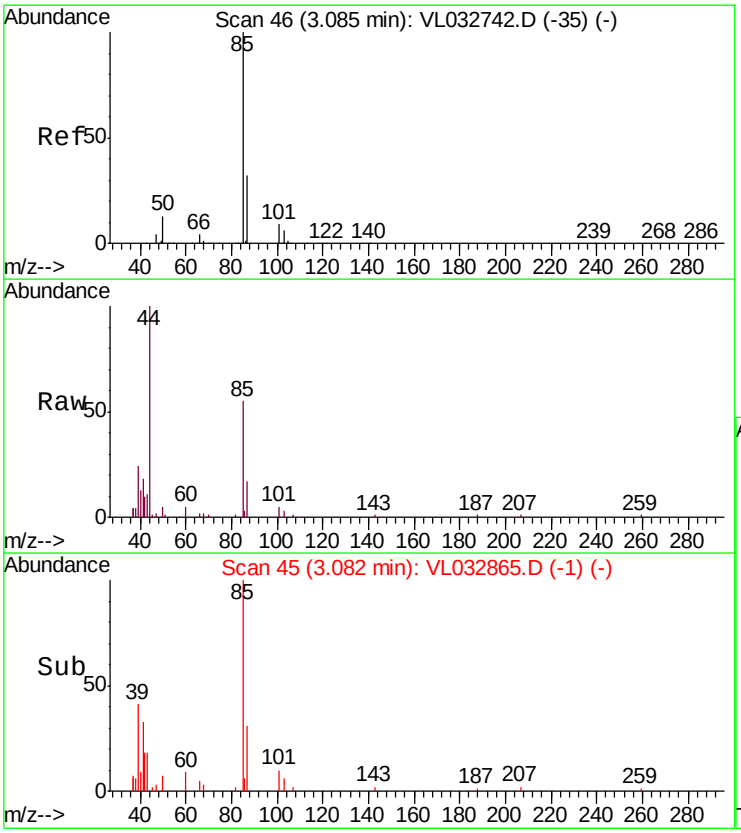
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Instrument :
MSVOA_L
ClientSampleId :
DSV-05DL

Tgt Ion: 49 Resp: 1362993

Ion	Ratio	Lower	Upper
49	100		
128	53.6	24.9	74.6
130	68.7	31.4	94.2

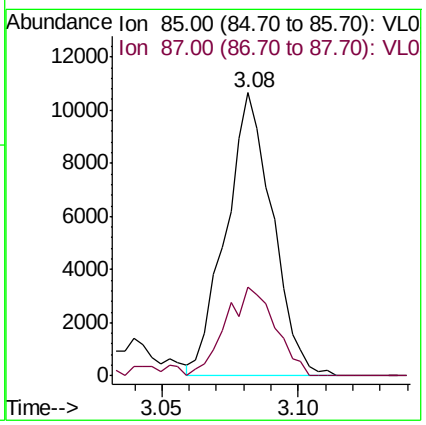


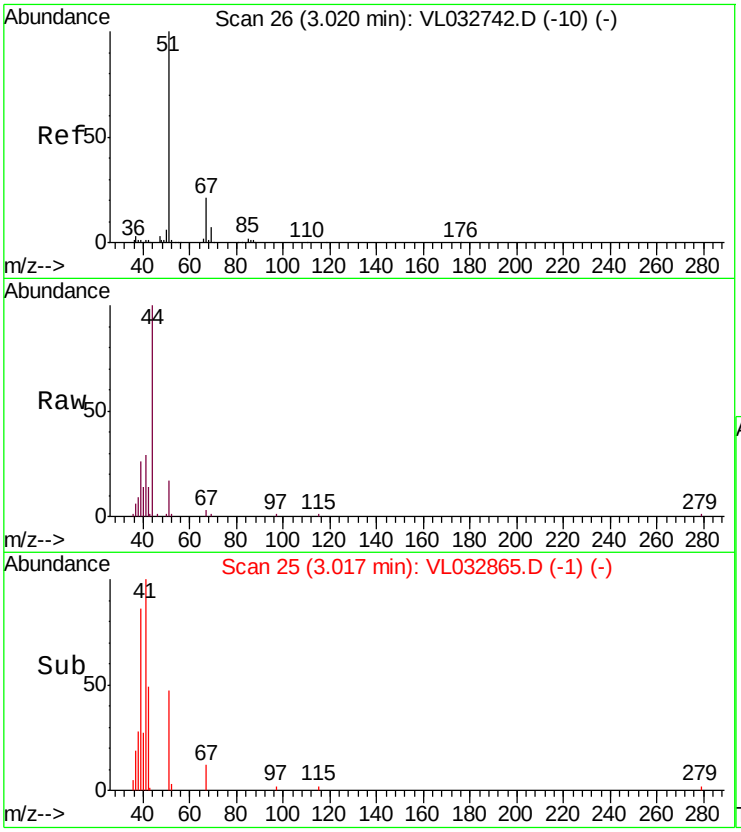


#2
Dichlorodifluoromethane
Concen: 0.064 ppbv
RT: 3.08 min Scan# 45
Delta R.T. -0.00 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Tgt Ion: 85 Resp: 12619

Ion	Ratio	Lower	Upper
85	100		
87	31.5	26.0	39.0



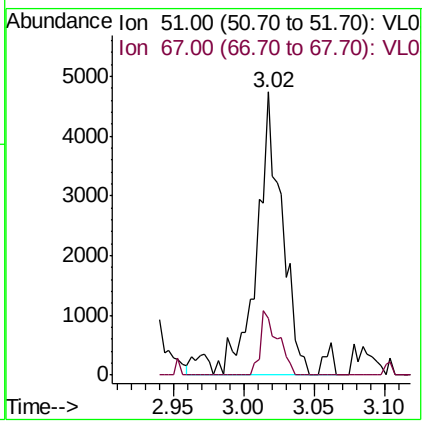


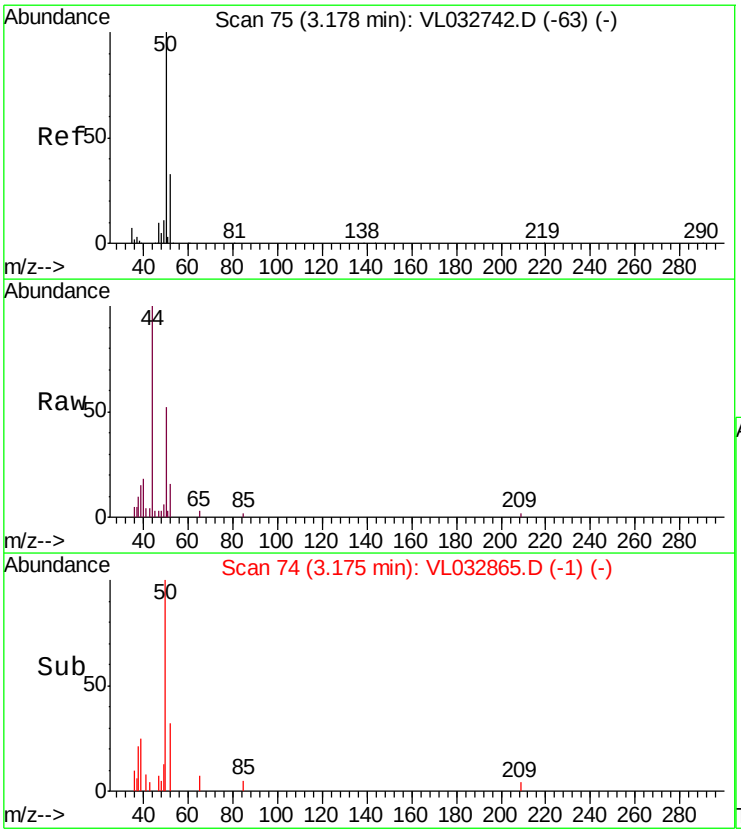
#3
Chlorodifluoromethane
Concen: 0.059 ppbv
RT: 3.02 min Scan# 25
Delta R.T. -0.00 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Instrument : MSVOA_L
ClientSampleId : DSV-05DL

Tgt Ion: 51 Resp: 6380

Ion	Ratio	Lower	Upper
51	100		
67	14.8	16.1	24.1#

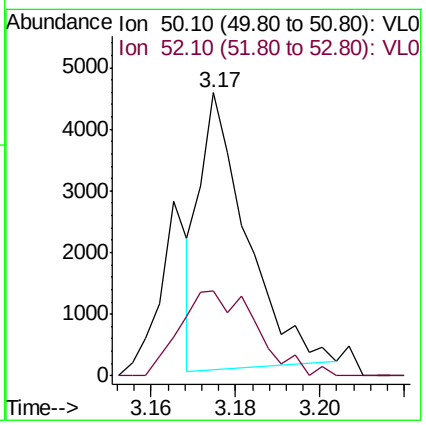


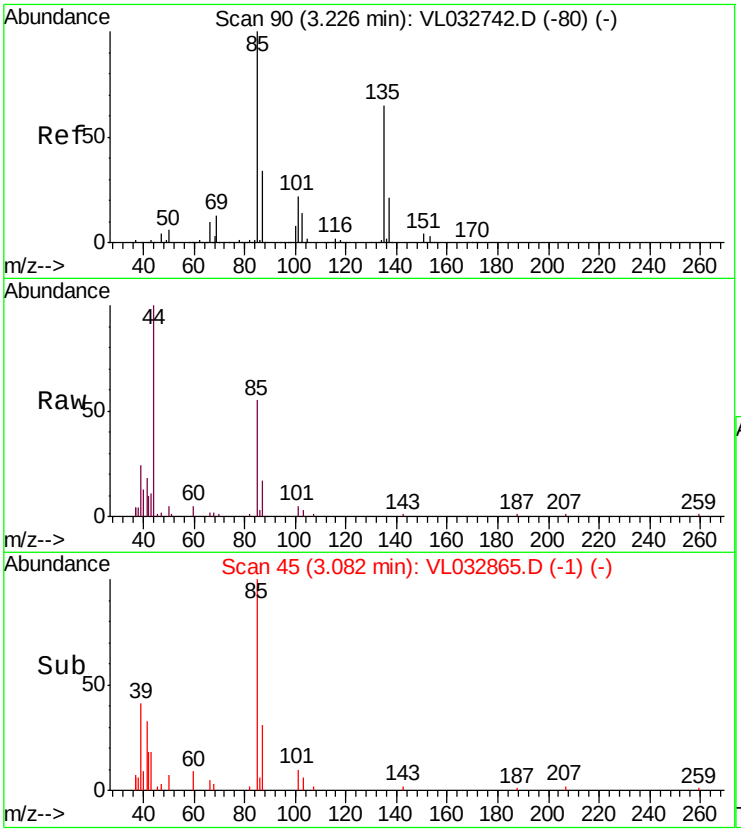


#4
Chloromethane
Concen: 0.058 ppbv
RT: 3.17 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Tgt Ion: 50 Resp: 3449

Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.6	40.0



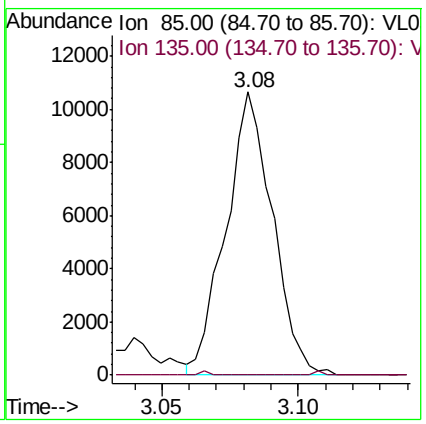


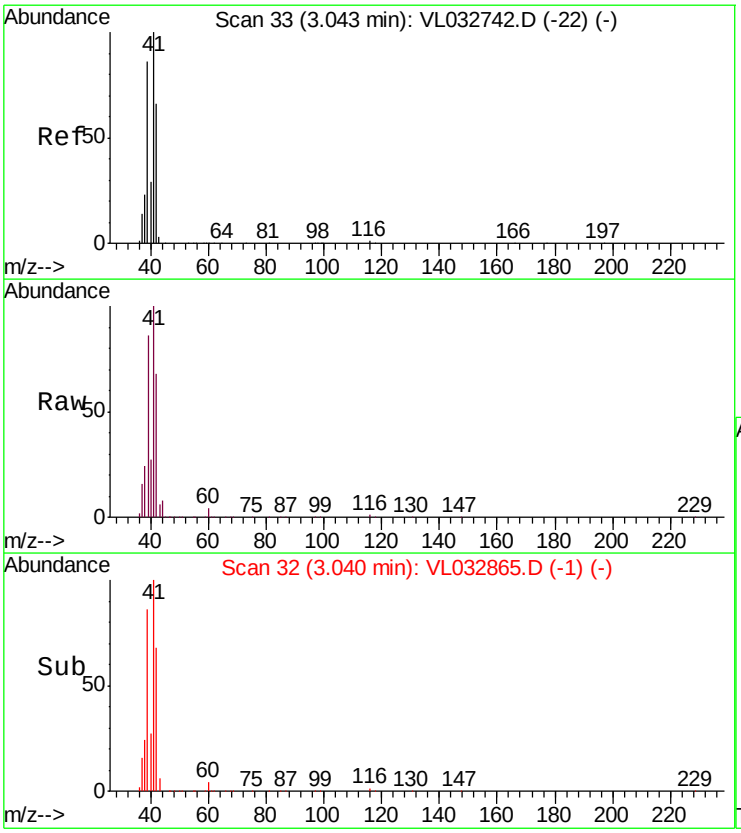
#8
Dichlorotetrafluoroethane
Concen: 0.082 ppbv
RT: 3.08 min Scan# 45
Delta R.T. -0.14 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Instrument : MSVOA_L
ClientSampleId : DSV-05DL

Tgt Ion: 85 Resp: 12619

Ion	Ratio	Lower	Upper
85	100		
135	0.3	53.8	80.8#

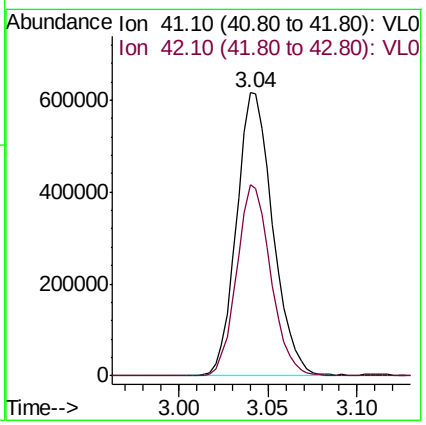


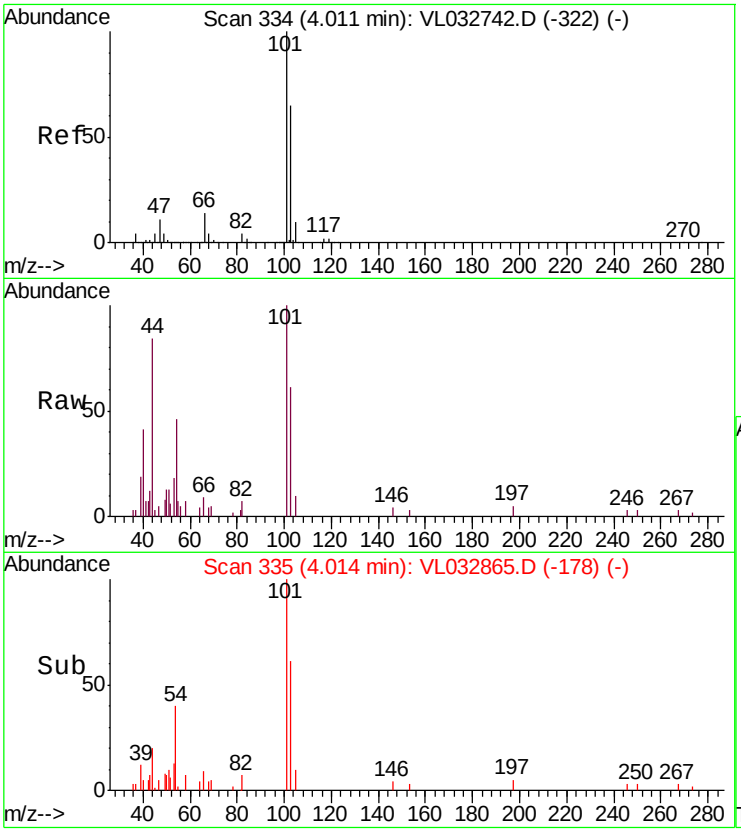


#9
Propene
Concen: 20.283 ppbv
RT: 3.04 min Scan# 32
Delta R.T. -0.00 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Tgt Ion: 41 Resp: 877088

Ion	Ratio	Lower	Upper
41	100		
42	63.7	55.0	82.6



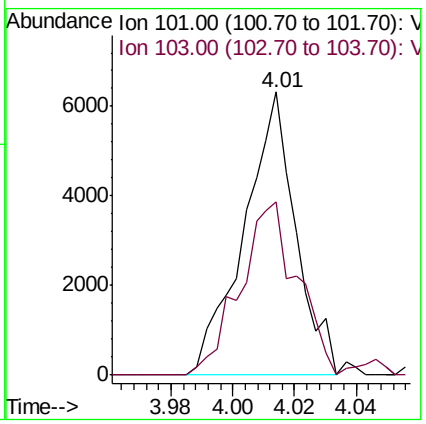


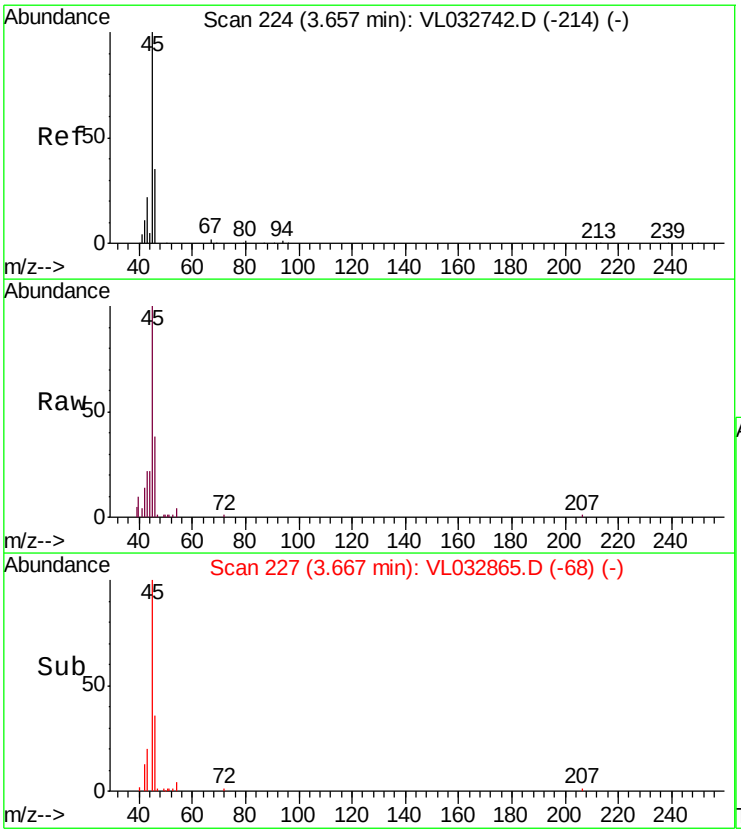
#11
Trichlorofluoromethane
Concen: 0.040 ppbv
RT: 4.01 min Scan# 335
Delta R.T. 0.00 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Instrument : MSVOA_L
ClientSampleId : DSV-05DL

Tgt Ion:101 Resp: 7355

Ion	Ratio	Lower	Upper
101	100		
103	61.3	51.6	77.4

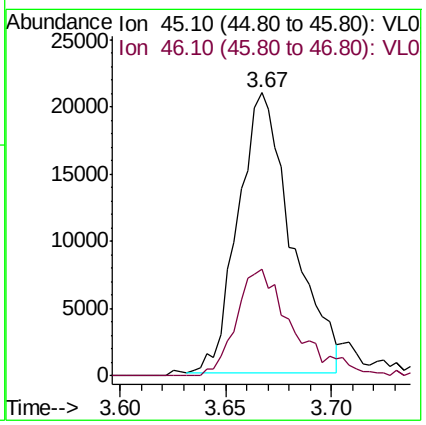


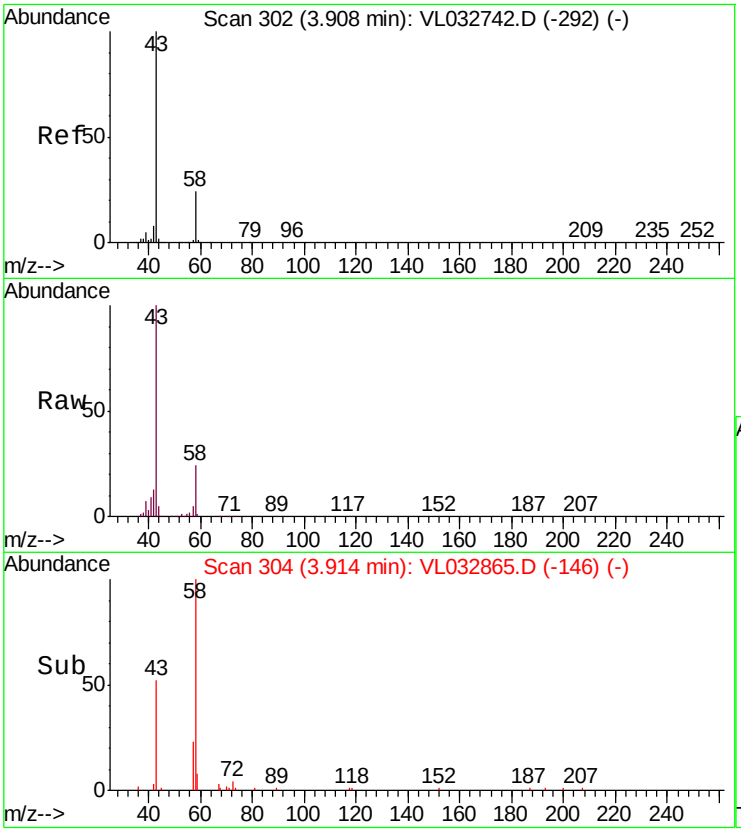


#13
Ethanol
Concen: 2.605 ppbv
RT: 3.67 min Scan# 227
Delta R.T. 0.01 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Tgt Ion: 45 Resp: 36899

Ion	Ratio	Lower	Upper
45	100		
46	40.4	14.5	57.9



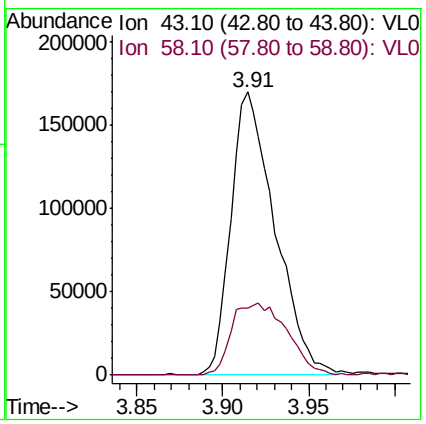


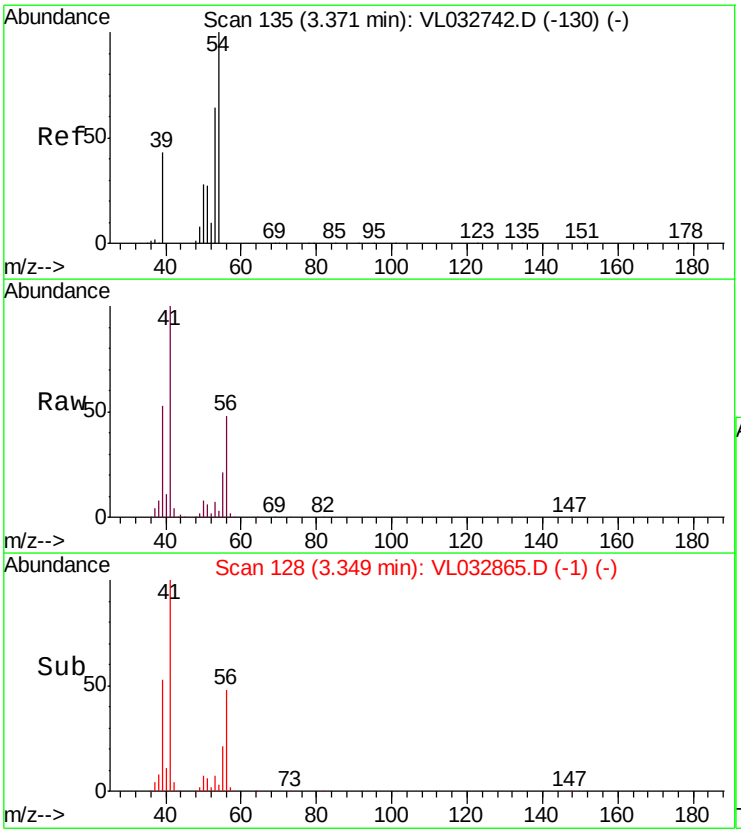
#15
Acetone
Concen: 2.423 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.01 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Instrument :
MSVOA_L
ClientSampleId :
DSV-05DL

Tgt Ion: 43 Resp: 301577

Ion	Ratio	Lower	Upper
43	100		
58	32.0	21.1	31.7#

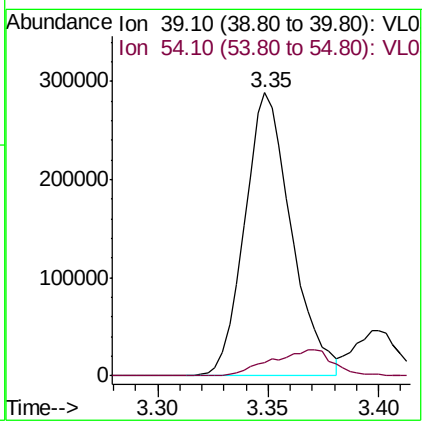


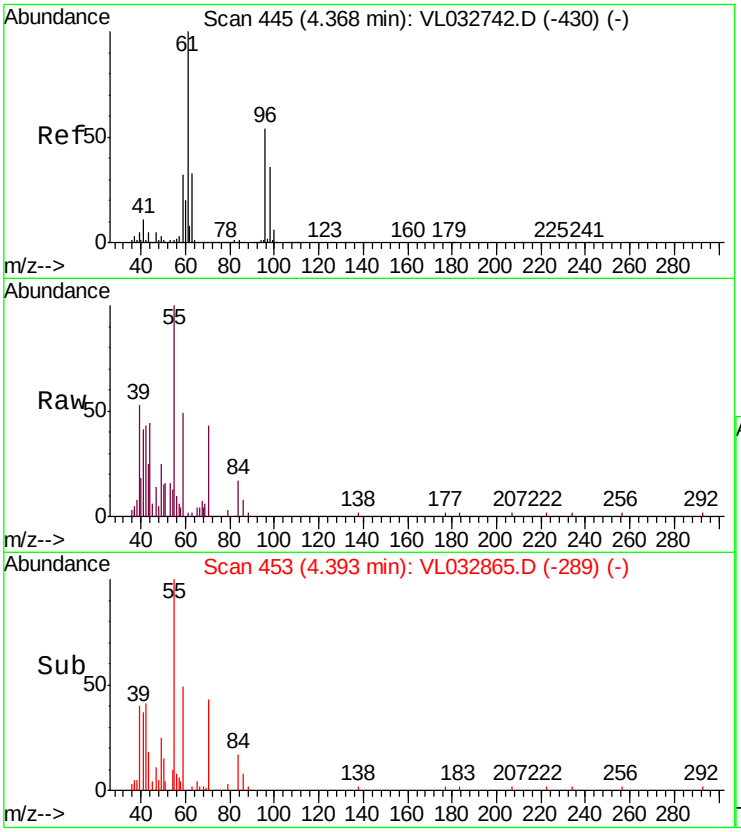


#16
1,3-Butadiene
Concen: 8.756 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.02 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Tgt Ion: 39 Resp: 422066

Ion	Ratio	Lower	Upper
39	100		
54	12.5	68.9	103.3#



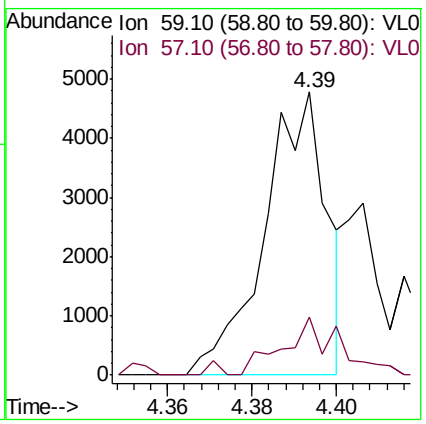


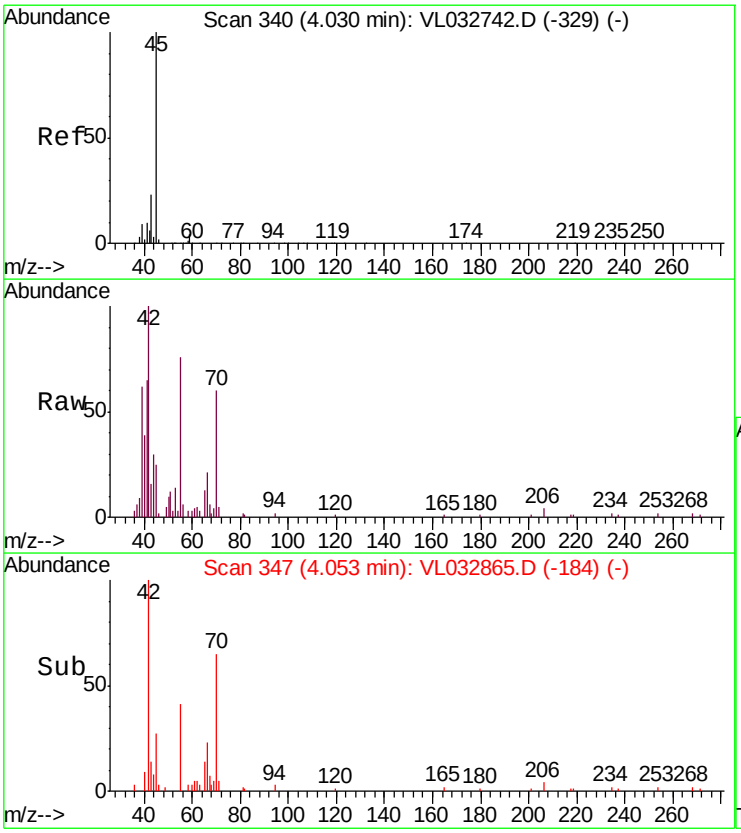
#17
tert-Butyl alcohol
Concen: 0.125 ppbv
RT: 4.39 min Scan# 453
Delta R.T. 0.03 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Instrument : MSVOA_L
ClientSampleId : DSV-05DL

Tgt Ion: 59 Resp: 4867

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

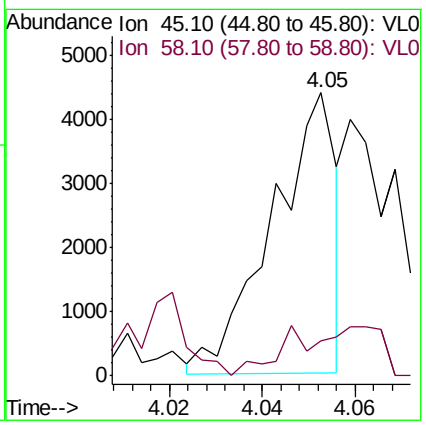


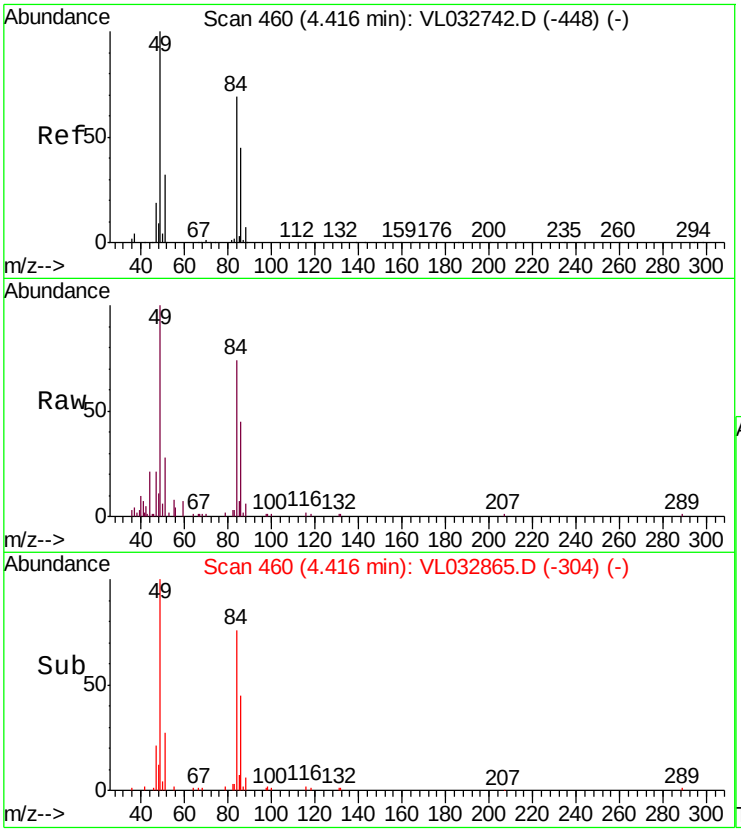


#19
Isopropyl Alcohol
Concen: 0.050 ppbv
RT: 4.05 min Scan# 347
Delta R.T. 0.02 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Tgt Ion: 45 Resp: 4178

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.0#



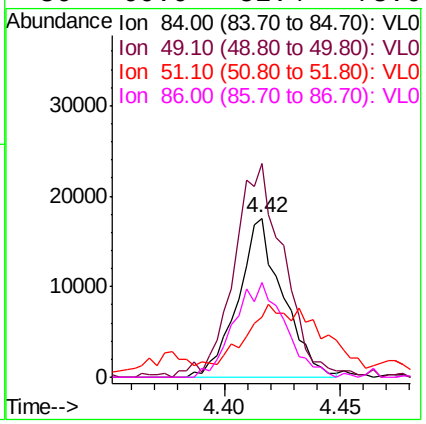


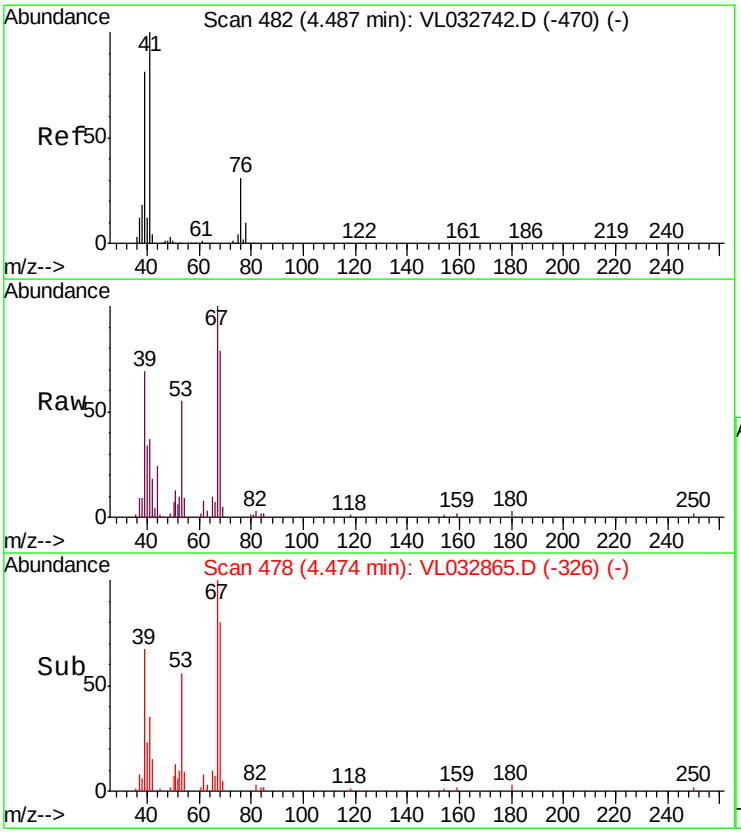
#20
Methylene Chloride
Concen: 0.366 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Instrument : MSVOA_L
ClientSampleId : DSV-05DL

Tgt Ion: 84 Resp: 23579

Ion	Ratio	Lower	Upper
84	100		
49	130.4	115.8	173.6
51	26.5	36.9	55.3#
86	60.0	52.4	78.6

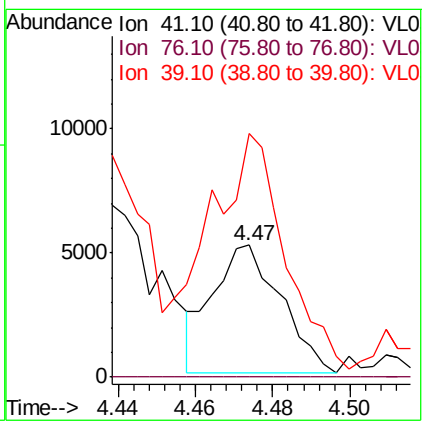


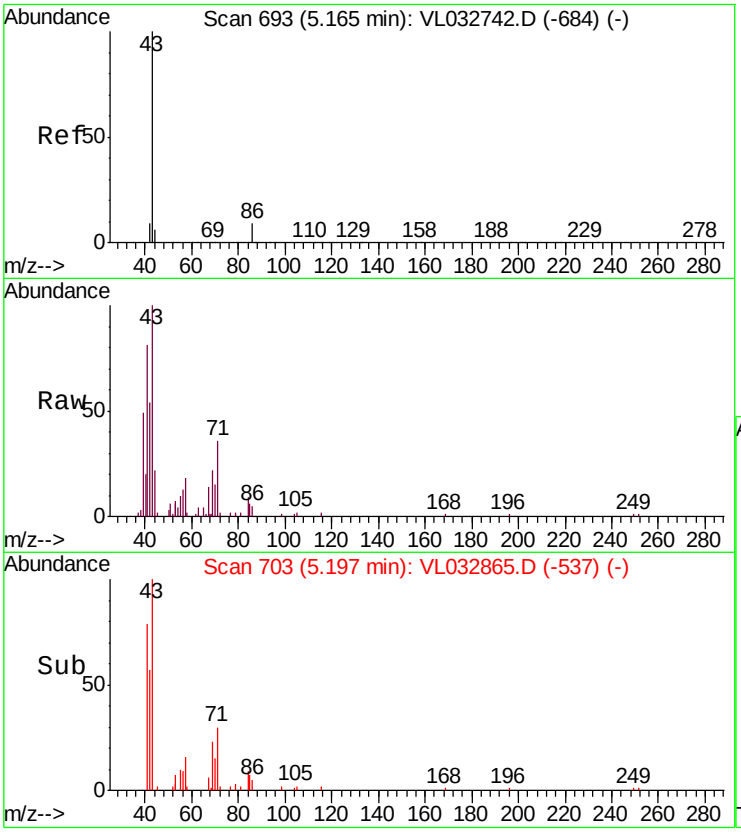


#21
Allyl Chloride
Concen: 0.060 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.01 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Tgt Ion: 41 Resp: 6287

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.4	36.6#
39	185.4	63.5	95.3#



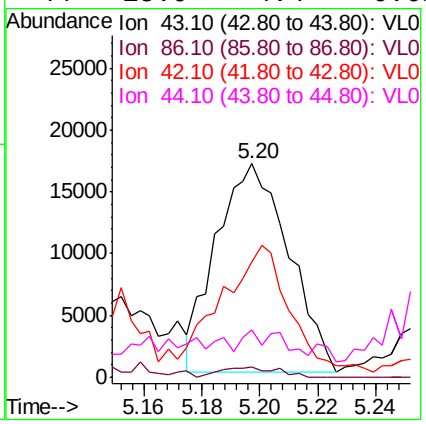


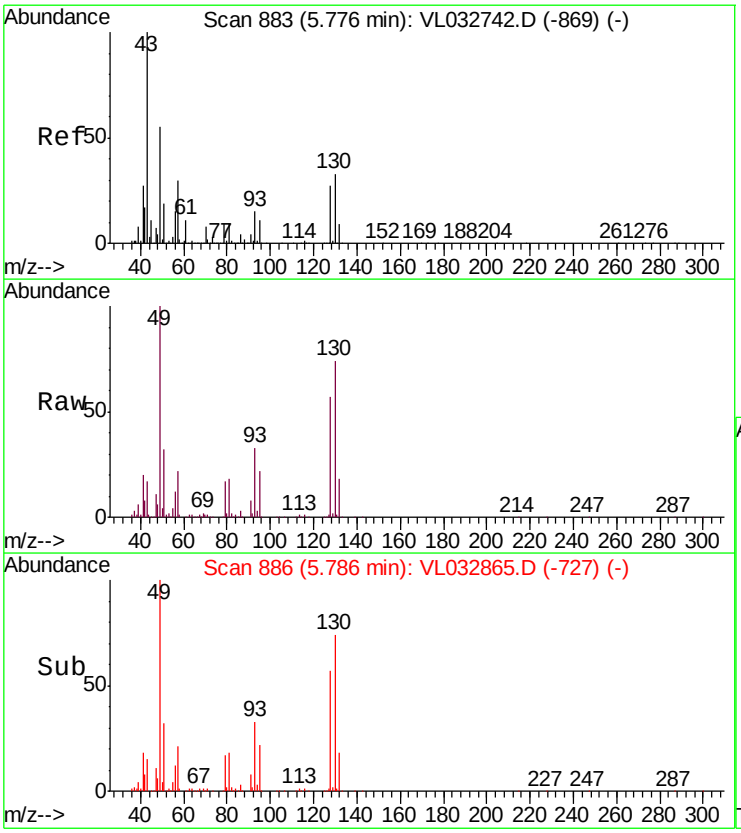
#23
Vinyl Acetate
Concen: 0.129 ppbv
RT: 5.20 min Scan# 703
Delta R.T. 0.03 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Instrument : MSVOA_L
ClientSampleId : DSV-05DL

Tgt Ion: 43 Resp: 29163

Ion	Ratio	Lower	Upper
43	100		
86	4.9	6.2	9.4#
42	50.1	7.8	11.6#
44	15.9	4.4	6.6#

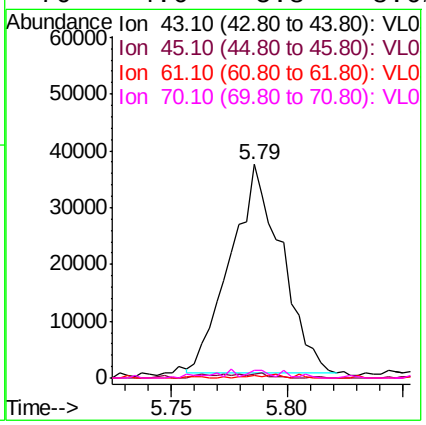


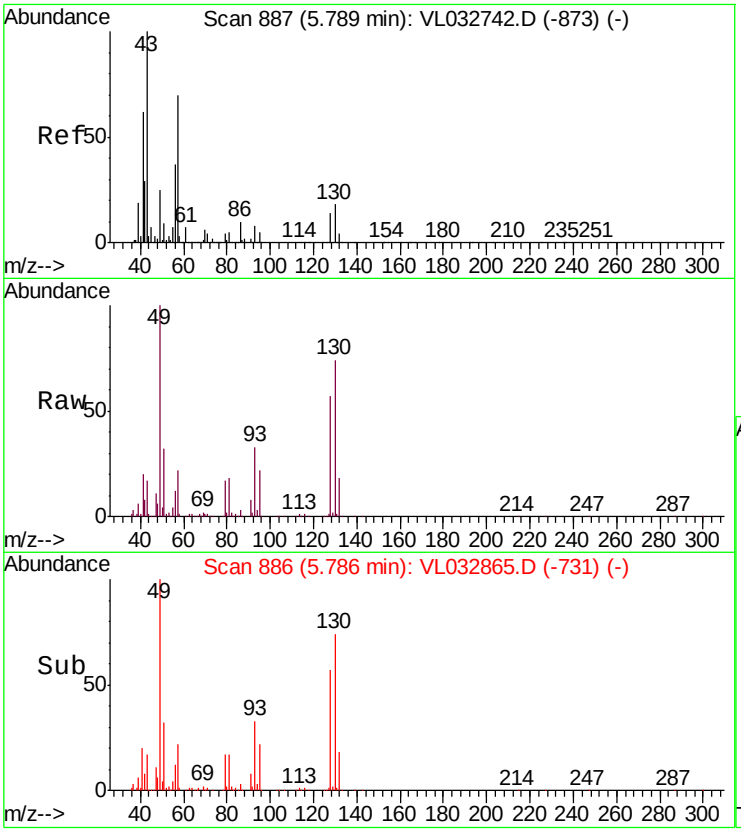


#25
Ethyl Acetate
Concen: 0.193 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.01 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Tgt Ion: 43 Resp: 55957

Ion	Ratio	Lower	Upper
43	100		
45	2.6	7.9	11.9#
61	1.2	7.8	11.6#
70	4.6	5.8	8.6#



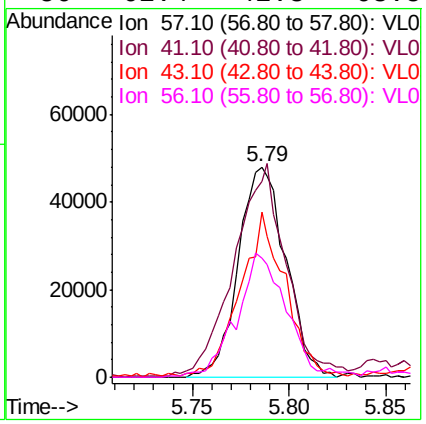


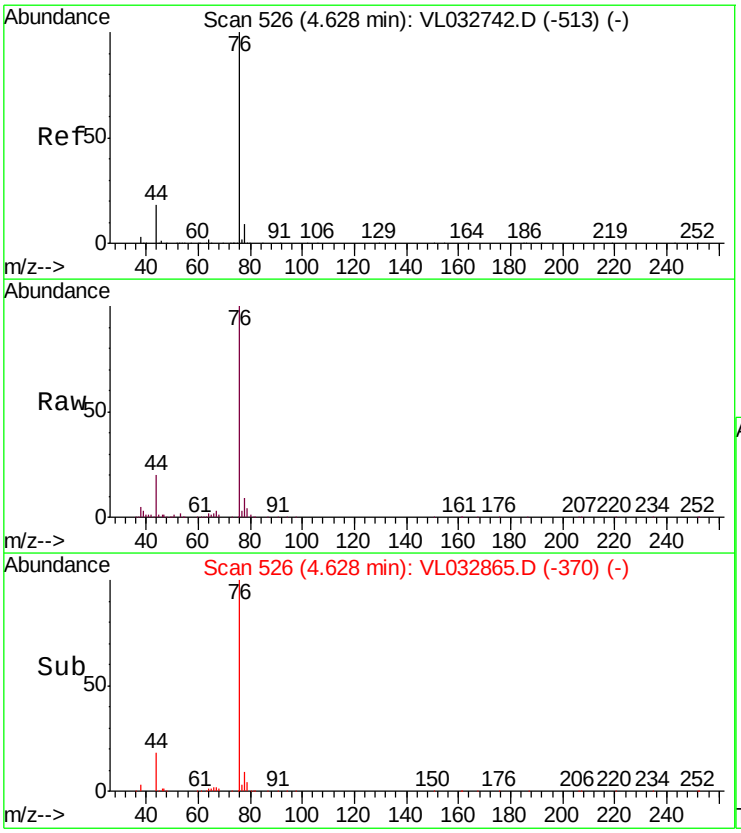
#26
Hexane
Concen: 0.635 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Instrument : MSVOA_L
ClientSampleId : DSV-05DL

Tgt Ion: 57 Resp: 82046

Ion	Ratio	Lower	Upper
57	100		
41	111.0	70.3	105.5#
43	73.5	174.0	261.0#
56	62.4	42.3	63.5

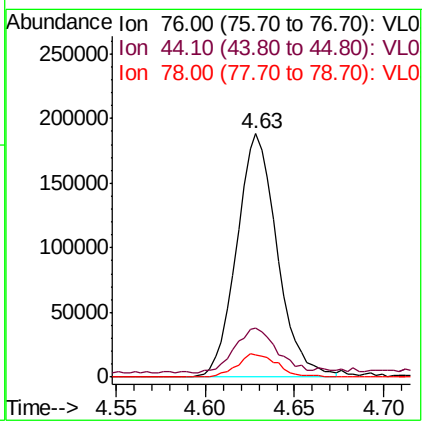


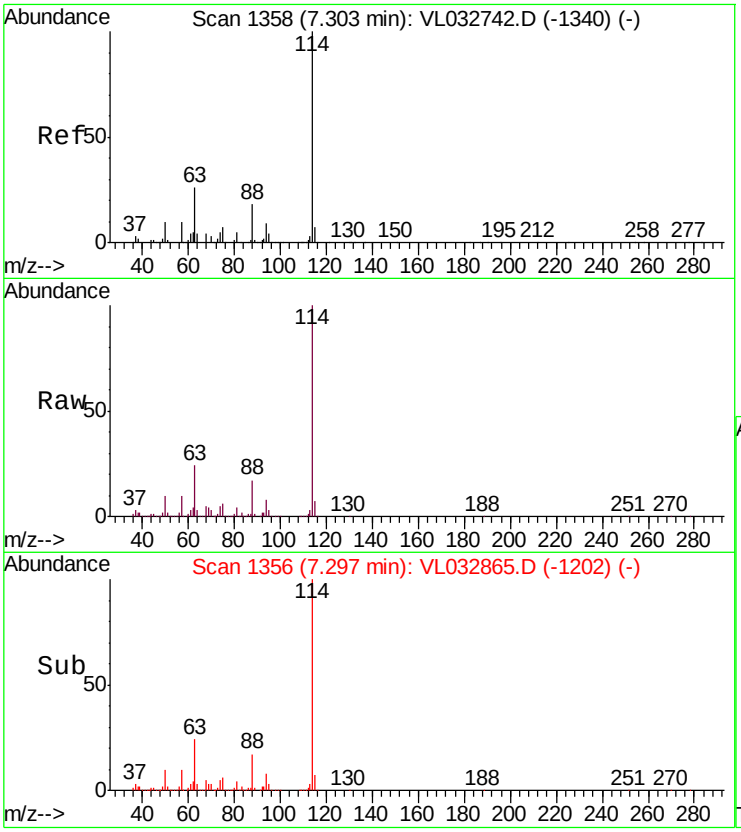


#27
Carbon Disulfide
Concen: 1.816 ppbv
RT: 4.63 min Scan# 526
Delta R.T. 0.00 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Tgt Ion: 76 Resp: 297347

Ion	Ratio	Lower	Upper
76	100		
44	21.9	14.4	21.6#
78	9.7	7.7	11.5



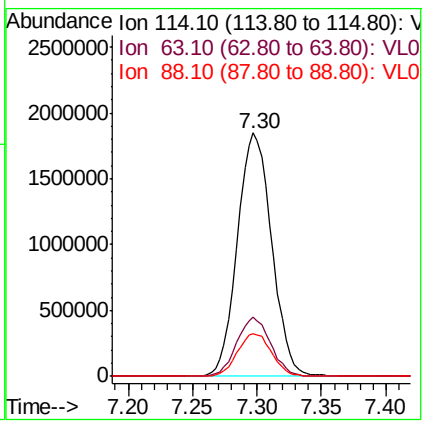


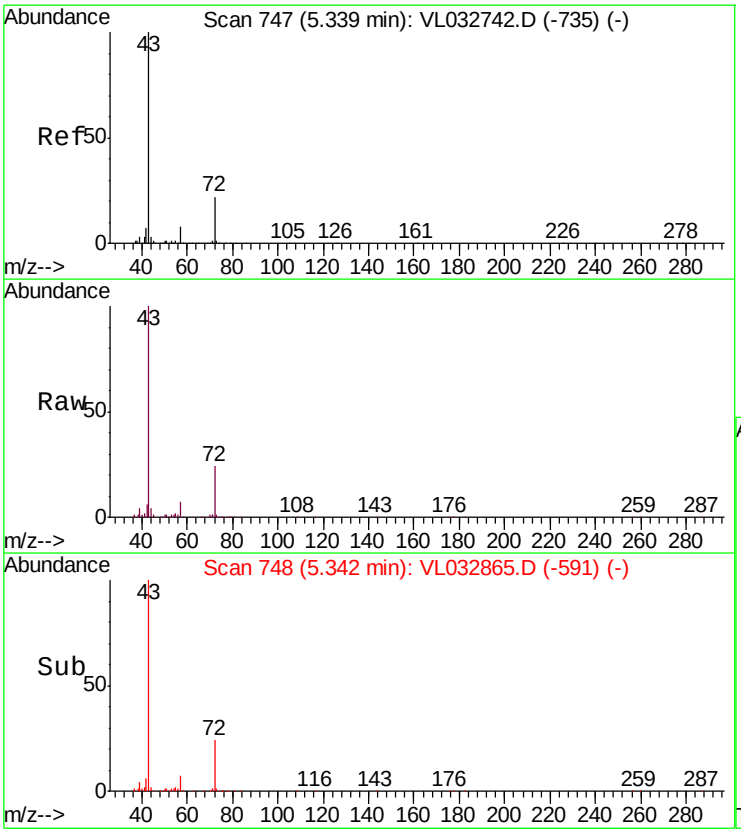
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Instrument :
MSVOA_L
ClientSampleId :
DSV-05DL

Tgt Ion:114 Resp: 3422943

Ion	Ratio	Lower	Upper
114	100		
63	24.0	20.9	31.3
88	17.6	14.4	21.6

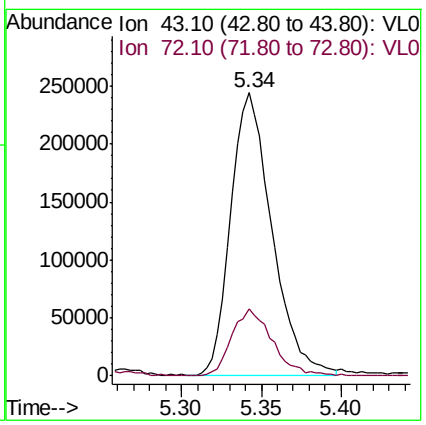


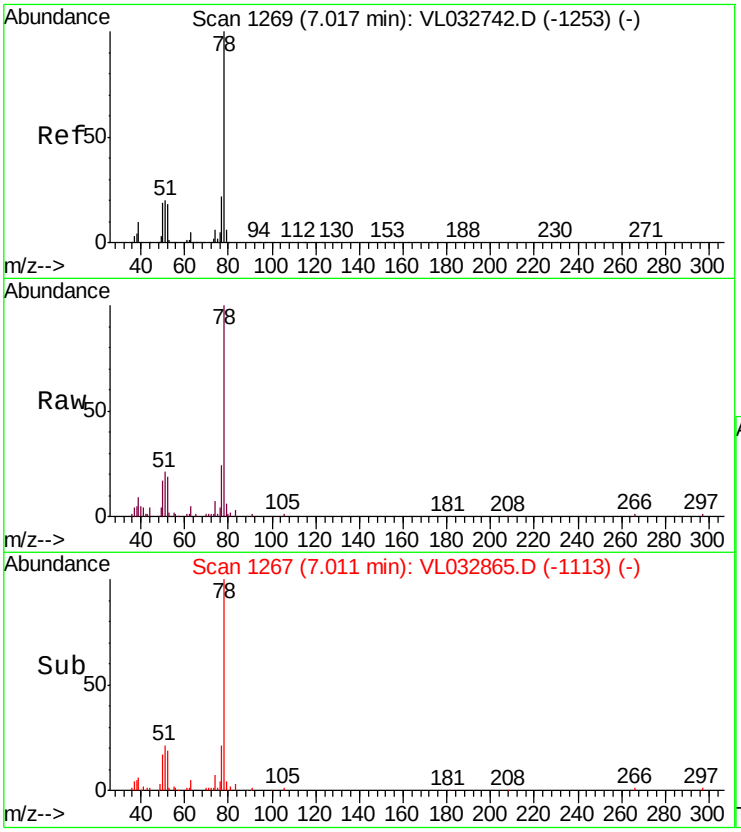


#34
2-Butanone
Concen: 2.412 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.00 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Tgt Ion: 43 Resp: 428223

Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.4	27.6



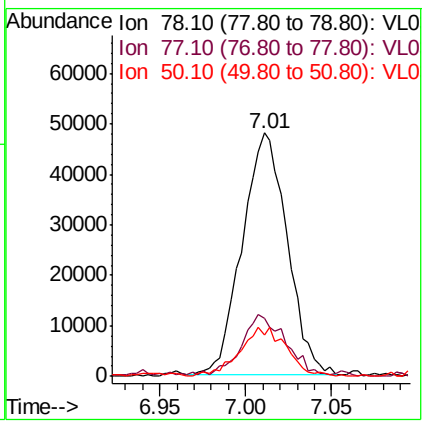


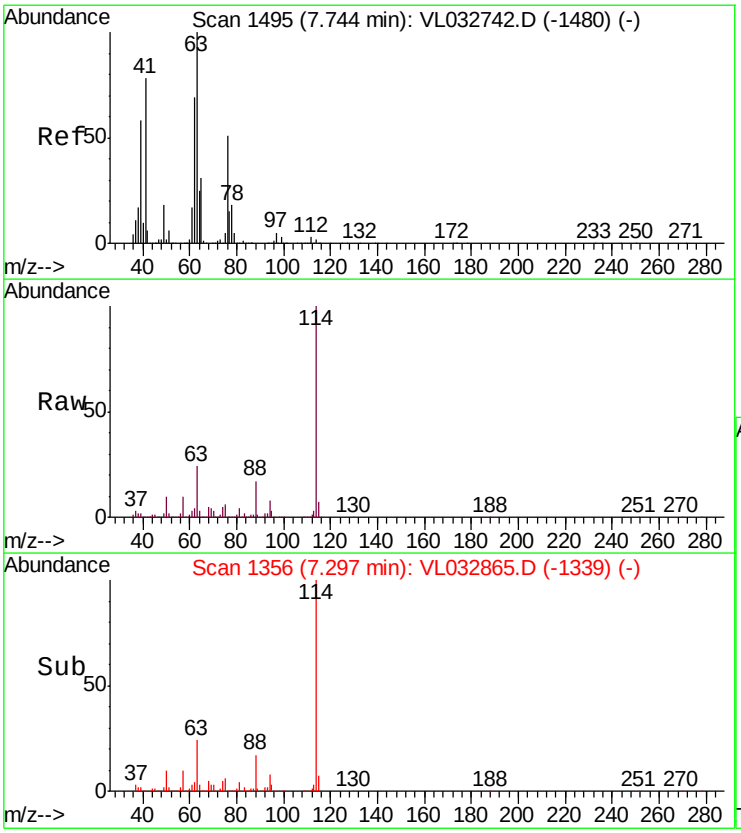
#36
Benzene
Concen: 0.319 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.01 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Instrument :
MSVOA_L
ClientSampleId :
DSV-05DL

Tgt Ion: 78 Resp: 87019

Ion	Ratio	Lower	Upper
78	100		
77	22.9	17.8	26.8
50	17.4	15.4	23.0

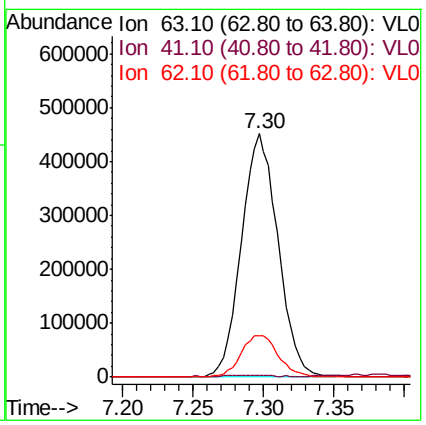


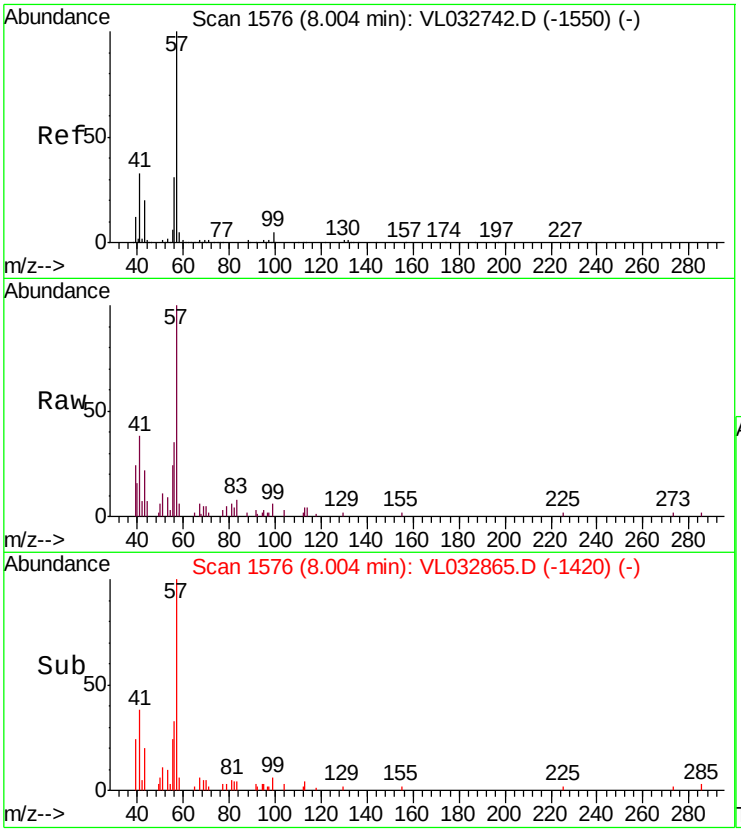


#39
1,2-Dichloropropane
Concen: 7.884 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.45 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Tgt Ion: 63 Resp: 818806

Ion	Ratio	Lower	Upper
63	100		
41	0.5	62.0	93.0#
62	17.2	55.4	83.2#



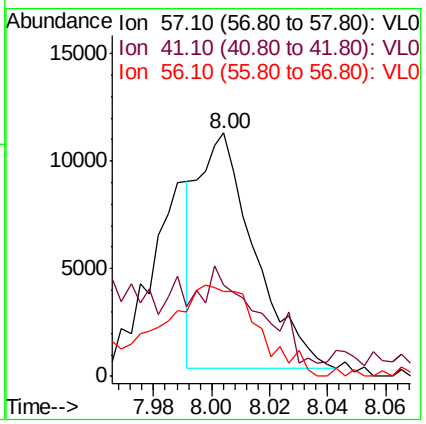


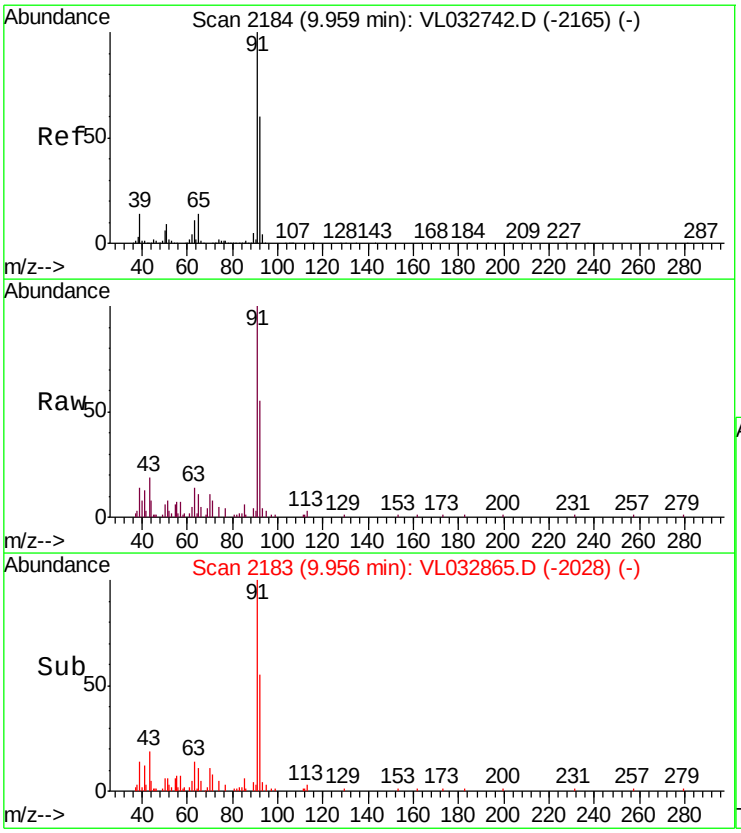
#44
2,2,4-Trimethylpentane
Concen: 0.032 ppbv
RT: 8.00 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Instrument :
MSVOA_L
ClientSampleId :
DSV-05DL

Tgt Ion: 57 Resp: 14681

Ion	Ratio	Lower	Upper
57	100		
41	88.3	26.6	39.8#
56	65.9	24.8	37.2#

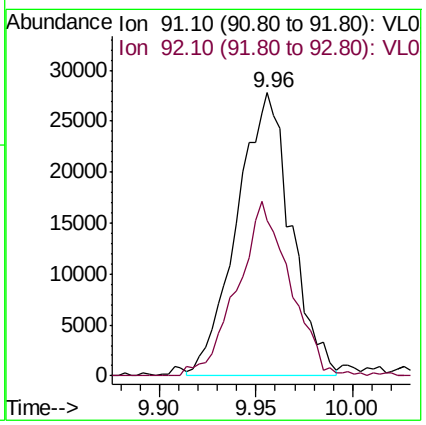


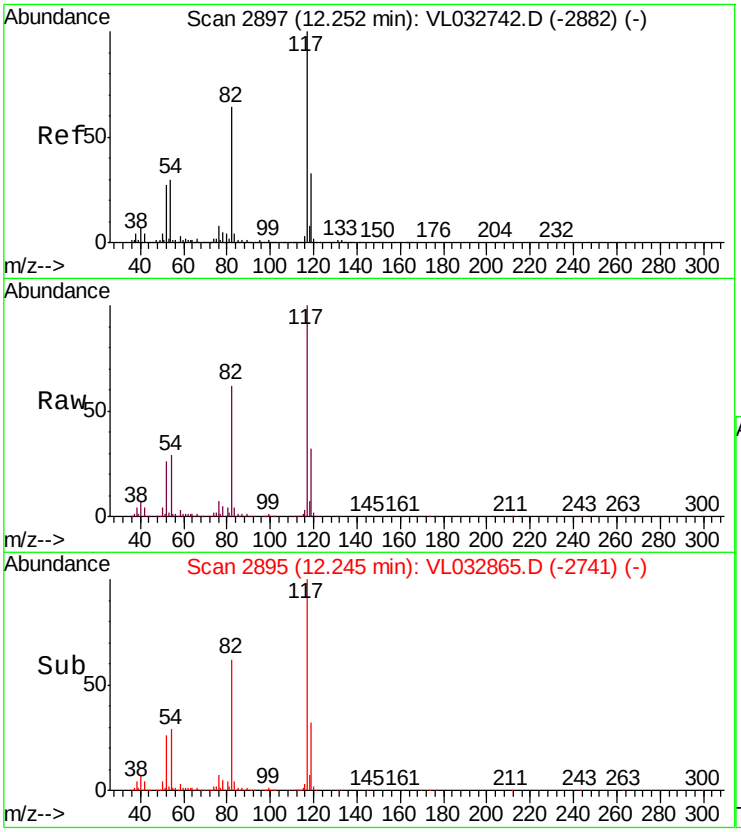


#53
Toluene
Concen: 0.191 ppbv
RT: 9.96 min Scan# 2183
Delta R.T. -0.00 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Tgt Ion: 91 Resp: 54359

Ion	Ratio	Lower	Upper
91	100		
92	60.2	47.9	71.9



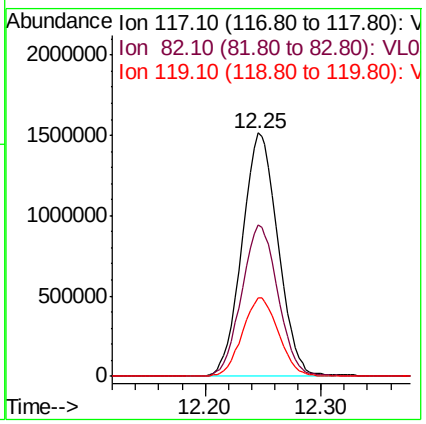


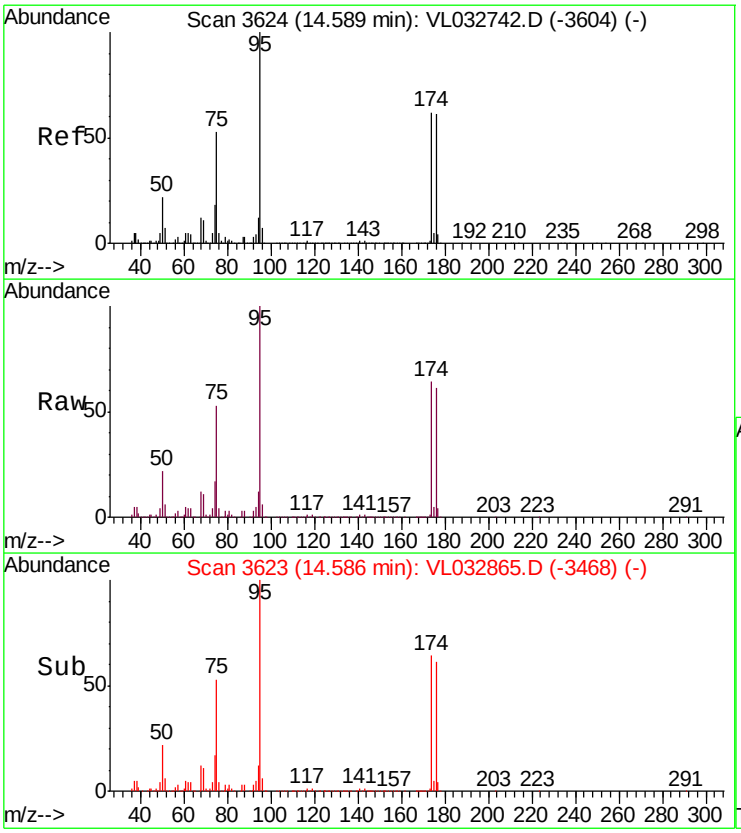
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Instrument : MSVOA_L
ClientSampleId : DSV-05DL

Tgt Ion:117 Resp: 3273487

Ion	Ratio	Lower	Upper
117	100		
82	63.1	51.0	76.6
119	32.7	28.0	42.0





#68
1-Bromo-4-Fluorobenzene
Concen: 10.395 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. -0.00 min
Lab File: VL032865.D
Acq: 1 Dec 2018 1:31

Tgt Ion: 95 Resp: 2545085

Ion	Ratio	Lower	Upper
95	100		
174	65.7	50.7	76.1
175	4.7	3.8	5.6