Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120418\

Quantitation Report (Not Reviewed)

Data File : VL032885.D
Acq On : 4 Dec 2018 20:42
Operator : SY/AP
Sample : J6175-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MMSV-04DL

Quant Time: Dec 05 05:49:51 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	5.76	49	1577182	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	3961479	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	3952239	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2834633	9.59	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	19424	0.086	ppbv		89
3) Chlorodifluoromethane	3.06	51	136045	1.088	ppbv	#	62
4) Chloromethane	3.17	50	15331	0.221	ppbv		90
7) Chloroethane	3.60	64	27756	1.048	ppbv		95
9) Propene	3.04	41	579825	11.587	ppbv		90
10) Heptane	8.25	43	11440	0.060	ppbv	#	83
11) Trichlorofluoromethane	4.01	101	19765	0.093	ppbv		93
13) Ethanol	3.66	45	66896	4.082	ppbv		98
15) Acetone	3.91	43	590361	4.099	ppbv		94
16) 1,3-Butadiene	3.35	39	323768	5.805	ppbv	#	14
17) tert-Butyl alcohol	4.39	59	4549	0.101	ppbv	#	73
19) Isopropyl Alcohol	4.07	45	3036	0.032	ppbv	#	95
20) Methylene Chloride	4.41	84	36573	0.490	ppbv		98
23) Vinyl Acetate	5.14	43	28519	0.109	ppbv	#	1
25) Ethyl Acetate	5.78	43	27767	0.083	ppbv	#	90
26) Hexane	5.79	57	88827	0.594	ppbv	#	30
27) Carbon Disulfide	4.62	76	213956	1.129	ppbv	#	94
30) Cyclohexane	7.25	84	12655	0.097	ppbv	#	1
34) 2-Butanone	5.33	43	1174465	5.716	ppbv		99
36) Benzene	7.01	78	324094	1.027	ppbv		95
39) 1,2-Dichloropropane	7.29	63	915608	7.618	ppbv	#	22
41) Tetrahydrofuran	6.17	42	105407	0.894	ppbv		96
53) Toluene	9.95	91	69014	0.210	ppbv	#	53
58) Ethyl Benzene	12.86	91	26816	0.056	ppbv		96
59) m/p-Xylene	13.12	91	20075	0.047	ppbv	#	31

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

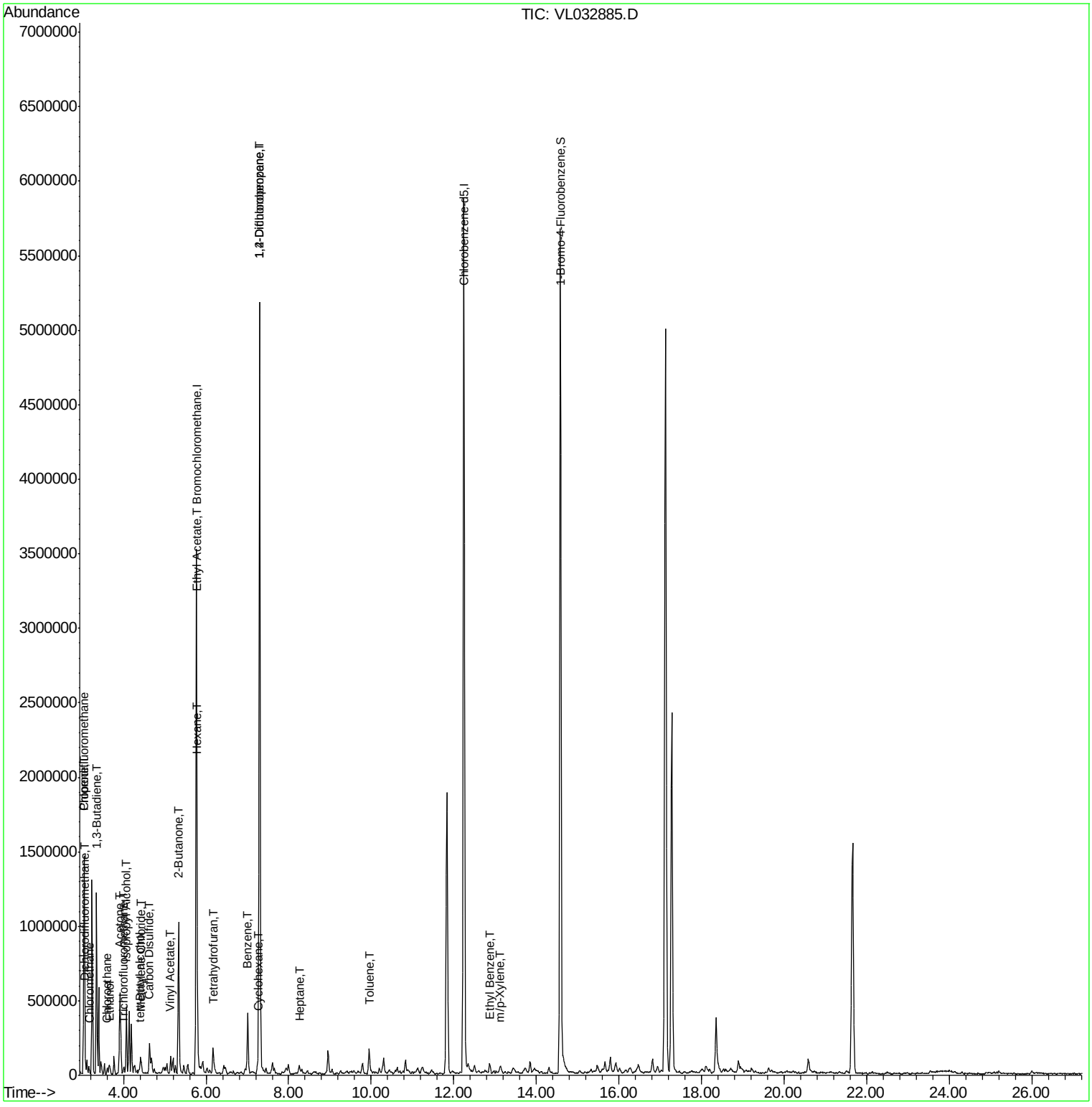
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120418\

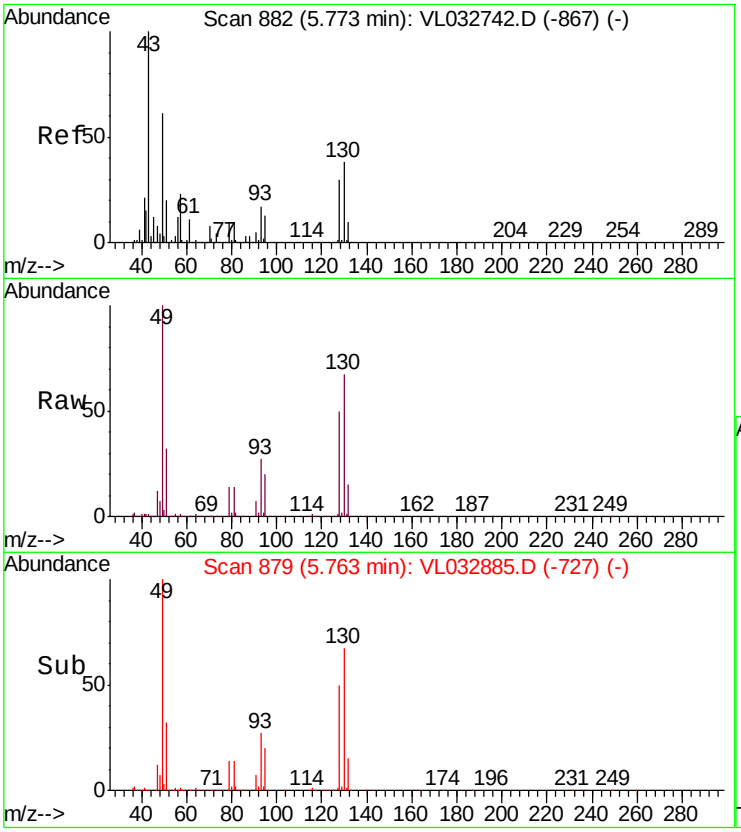
Quantitation Report (Not Reviewed)

Data File : VL032885.D
Acq On : 4 Dec 2018 20:42
Operator : SY/AP
Sample : J6175-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MMSV-04DL

Quant Time: Dec 05 05:49:51 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



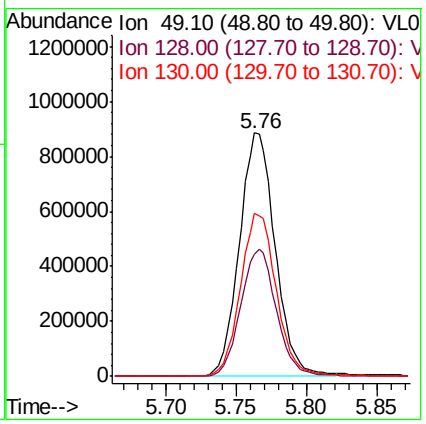


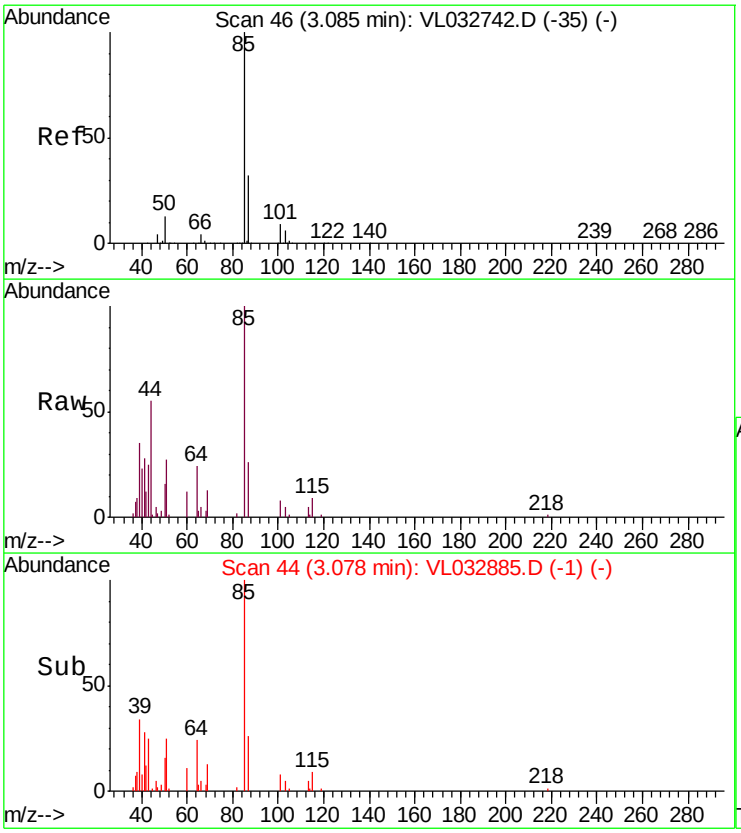
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.01 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Instrument :
MSVOA_L
ClientSampleId :
MMSV-04DL

Tgt Ion: 49 Resp: 1577182

Ion	Ratio	Lower	Upper
49	100		
128	52.3	24.9	74.6
130	67.2	31.4	94.2

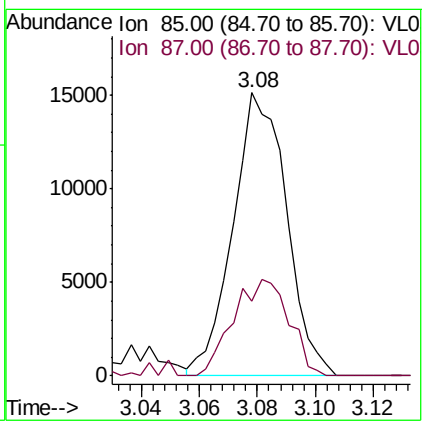


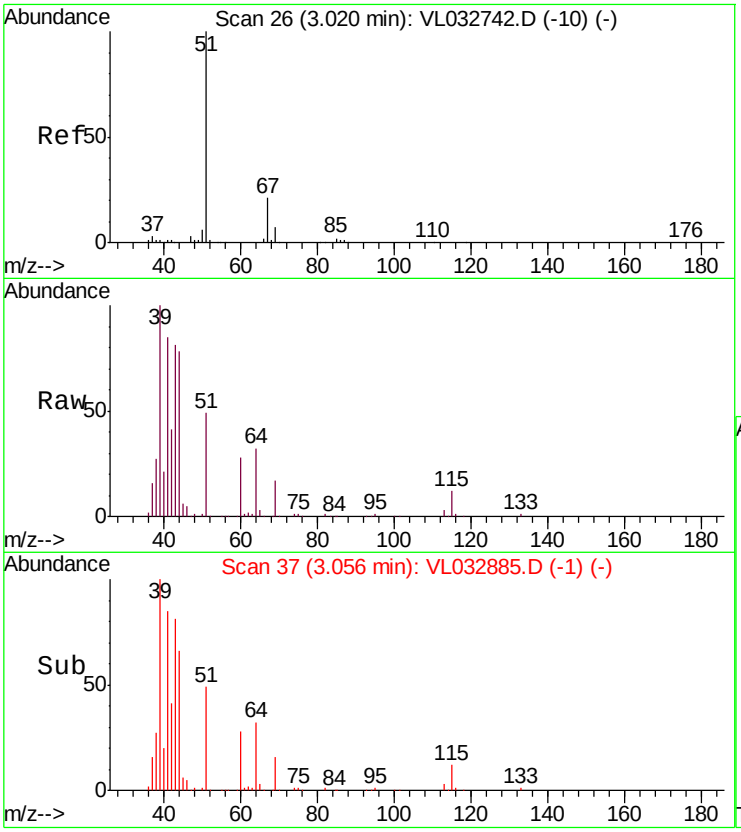


#2
Dichlorodifluoromethane
Concen: 0.086 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.01 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Tgt Ion: 85 Resp: 19424

Ion	Ratio	Lower	Upper
85	100		
87	26.4	26.0	39.0



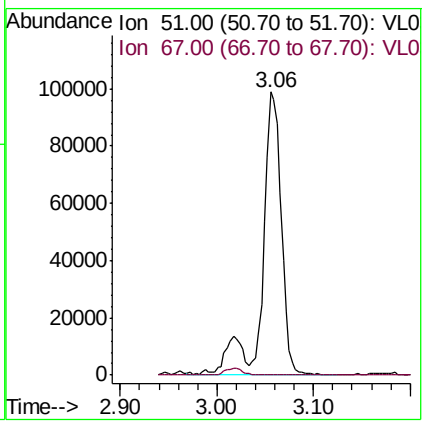


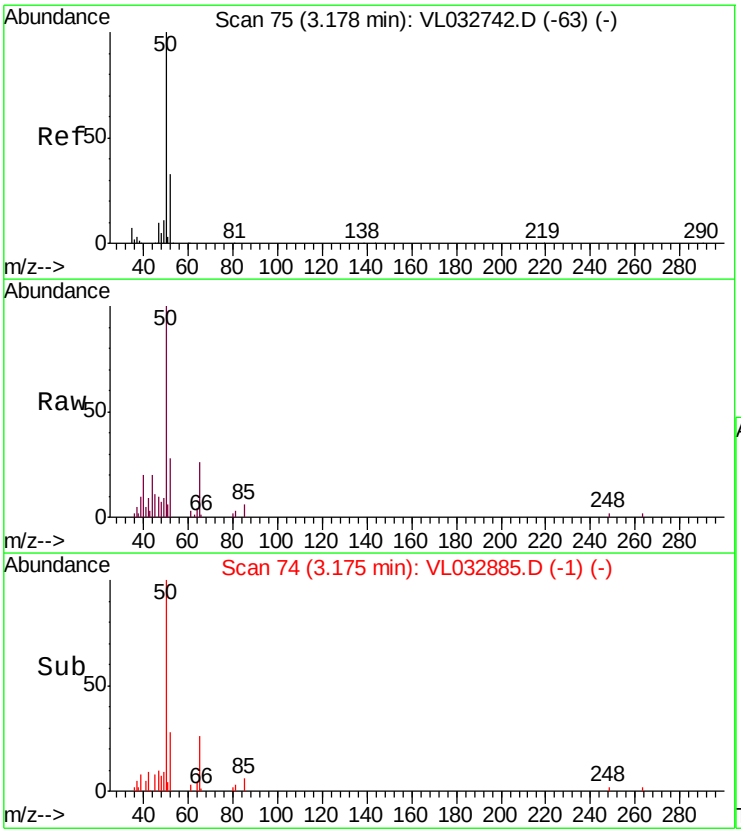
#3
Chlorodifluoromethane
Concen: 1.088 ppbv
RT: 3.06 min Scan# 37
Delta R.T. 0.04 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Instrument :
MSVOA_L
ClientSampleId :
MMSV-04DL

Tgt Ion: 51 Resp: 136045

Ion	Ratio	Lower	Upper
51	100		
67	2.5	16.1	24.1#

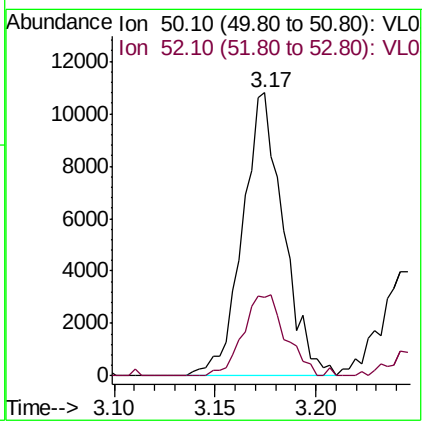


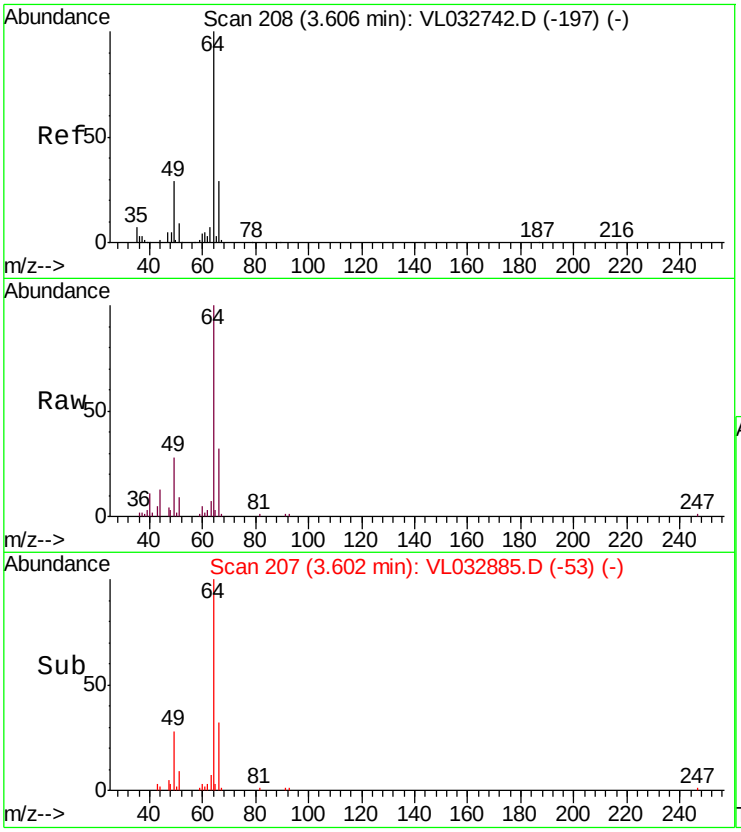


#4
Chloromethane
Concen: 0.221 ppbv
RT: 3.17 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Tgt Ion: 50 Resp: 15331

Ion	Ratio	Lower	Upper
50	100		
52	27.8	26.6	40.0



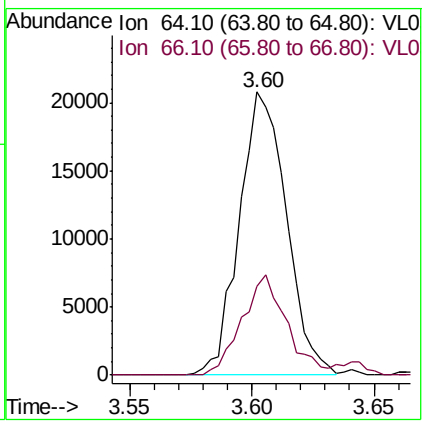


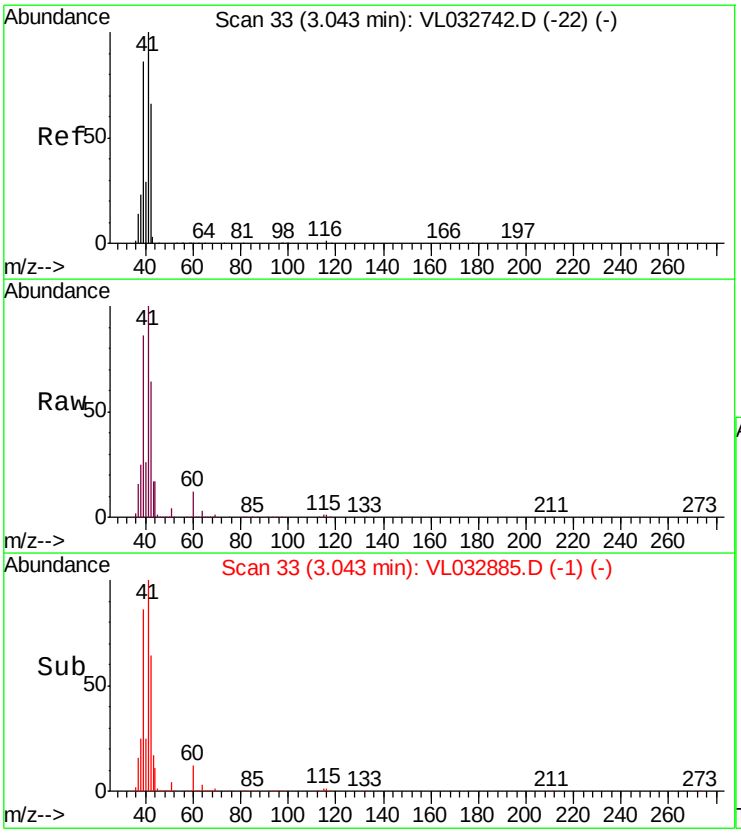
#7
Chloroethane
Concen: 1.048 ppbv
RT: 3.60 min Scan# 207
Delta R.T. -0.00 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Instrument :
MSVOA_L
ClientSampleId :
MMSV-04DL

Tgt Ion: 64 Resp: 27756

Ion	Ratio	Lower	Upper
64	100		
66	31.6	23.2	34.8

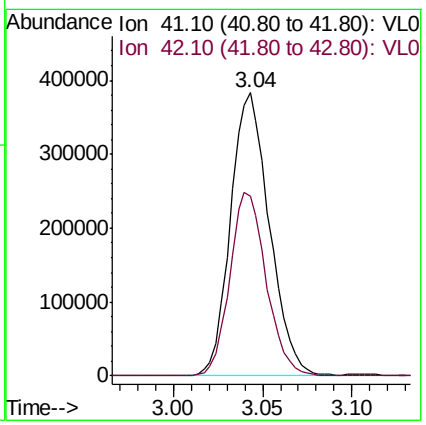


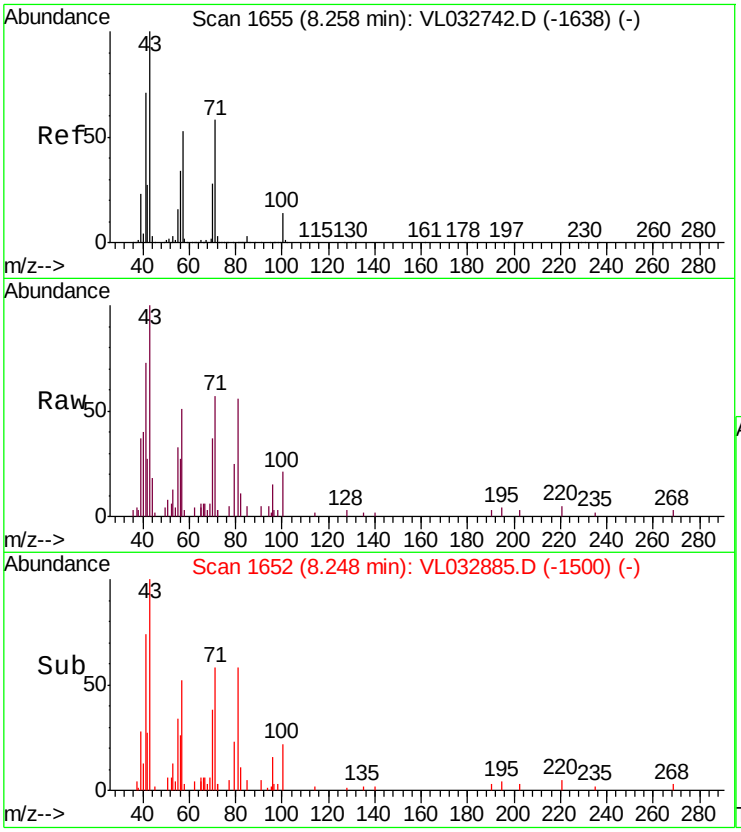


#9
Propene
Concen: 11.587 ppbv
RT: 3.04 min Scan# 33
Delta R.T. -0.00 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Tgt Ion: 41 Resp: 579825

Ion	Ratio	Lower	Upper
41	100		
42	60.9	55.0	82.6



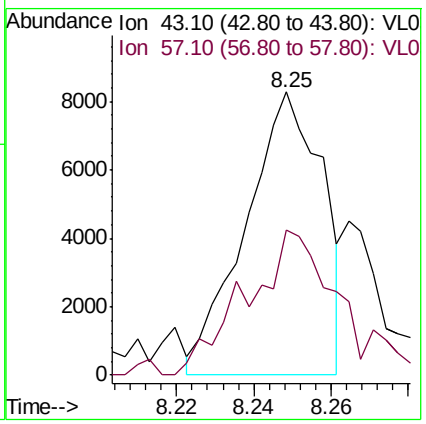


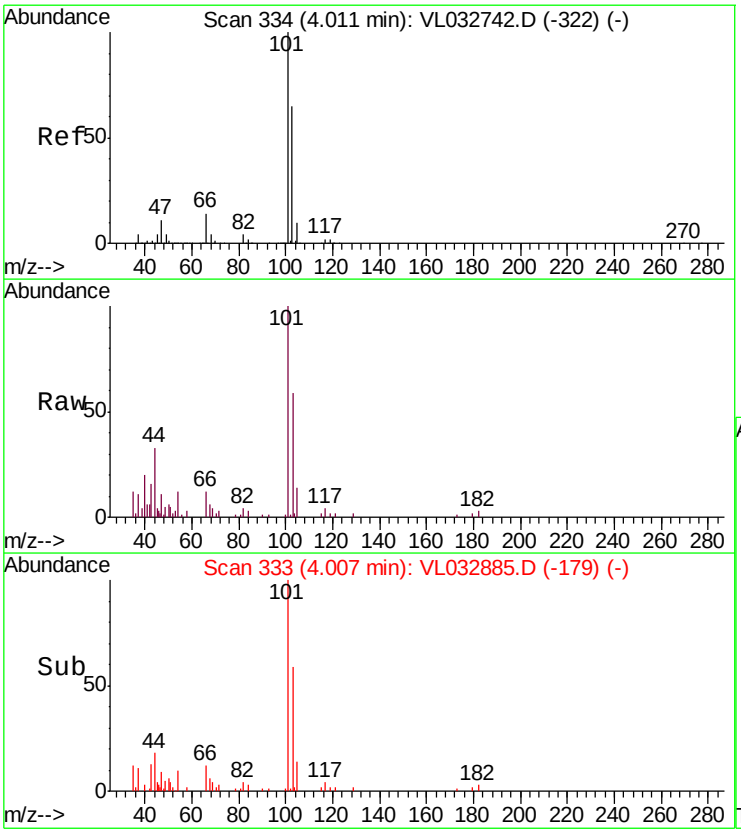
#10
Heptane
Concen: 0.060 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Instrument :
MSVOA_L
ClientSampleId :
MMSV-04DL

Tgt Ion: 43 Resp: 11440

Ion	Ratio	Lower	Upper
43	100		
57	64.2	41.8	62.8#

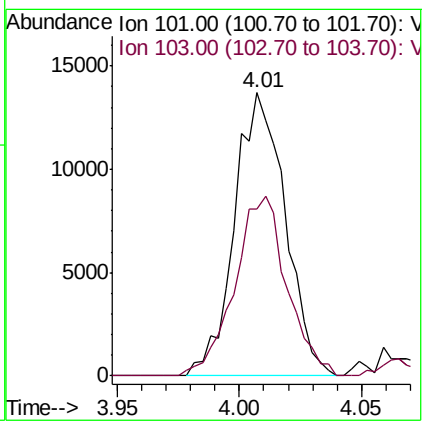


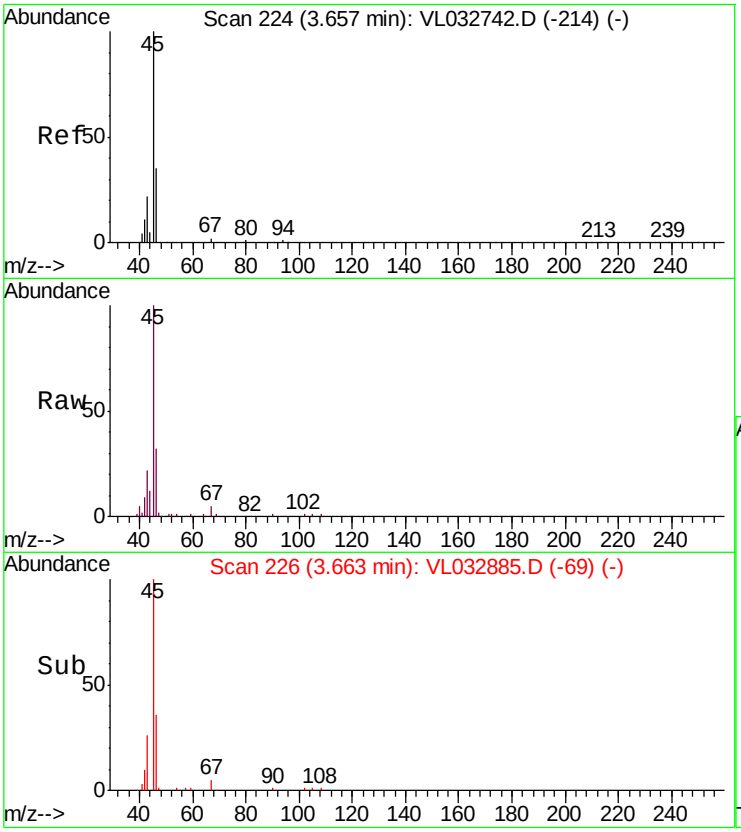


#11
Trichlorofluoromethane
Concen: 0.093 ppbv
RT: 4.01 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Tgt Ion:101 Resp: 19765

Ion	Ratio	Lower	Upper
101	100		
103	59.1	51.6	77.4



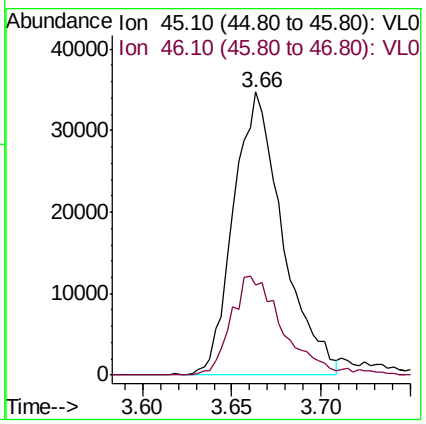


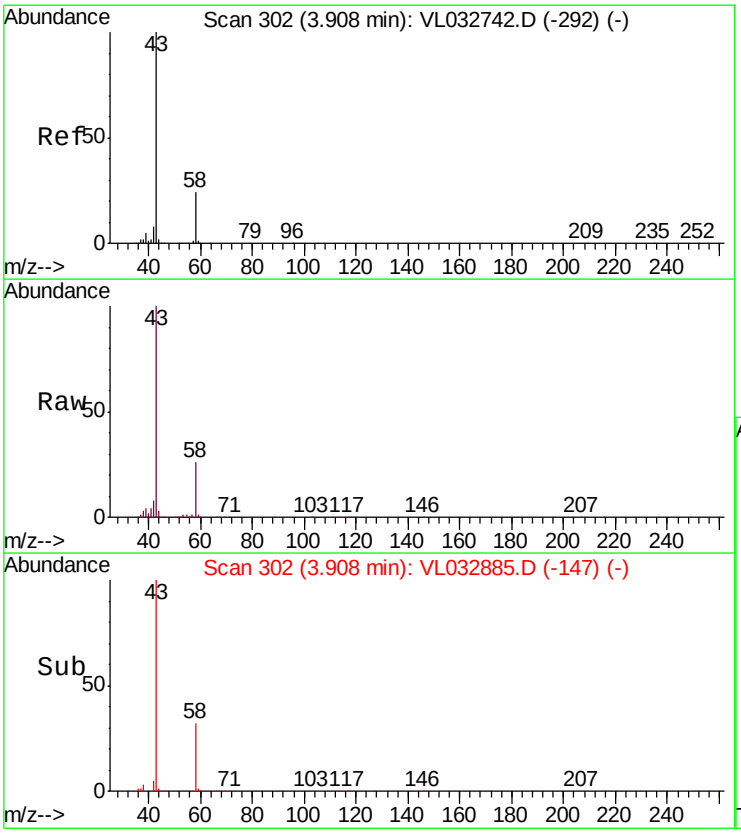
#13
Ethanol
Concen: 4.082 ppbv
RT: 3.66 min Scan# 226
Delta R.T. 0.01 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Instrument :
MSVOA_L
ClientSampleId :
MMSV-04DL

Tgt Ion: 45 Resp: 66896

Ion	Ratio	Lower	Upper
45	100		
46	37.3	14.5	57.9

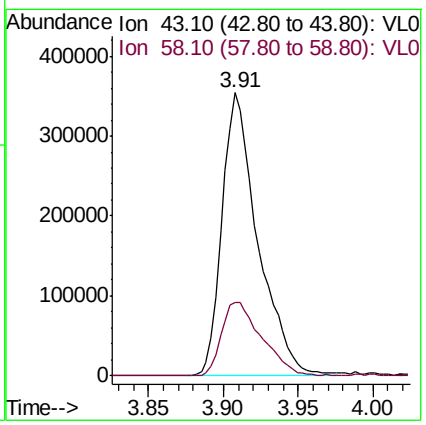


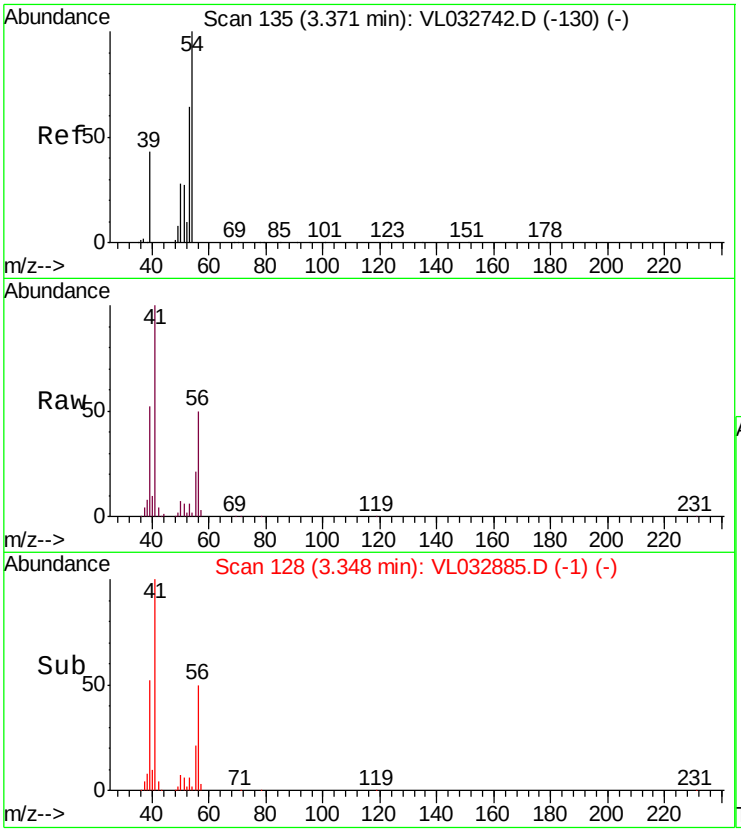


#15
Acetone
Concen: 4.099 ppbv
RT: 3.91 min Scan# 302
Delta R.T. -0.00 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Tgt Ion: 43 Resp: 590361

Ion	Ratio	Lower	Upper
43	100		
58	29.5	21.1	31.7



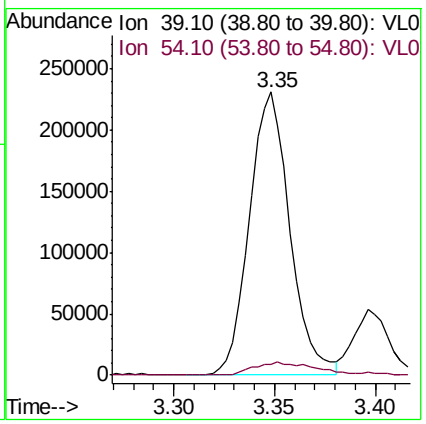


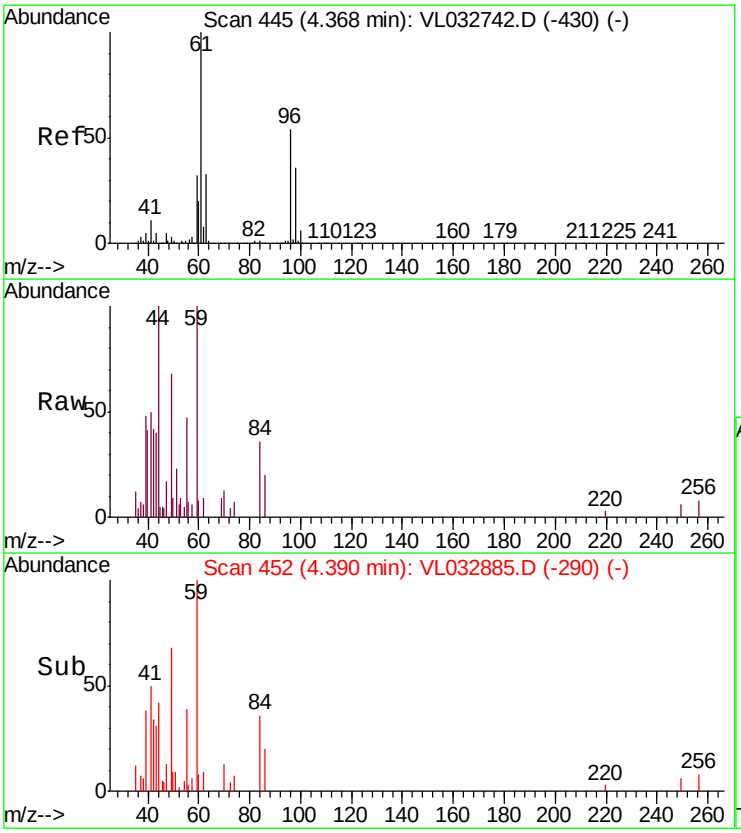
#16
1,3-Butadiene
Concen: 5.805 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.02 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Instrument :
MSVOA_L
ClientSampleId :
MMSV-04DL

Tgt Ion: 39 Resp: 323768

Ion	Ratio	Lower	Upper
39	100		
54	7.2	68.9	103.3#

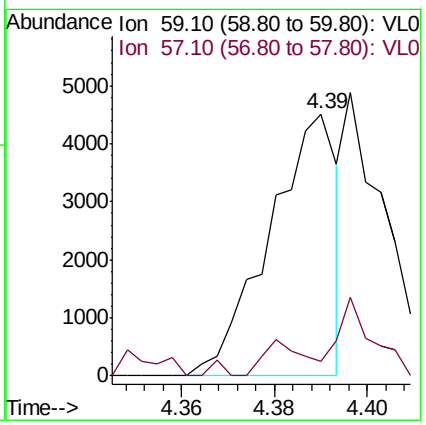


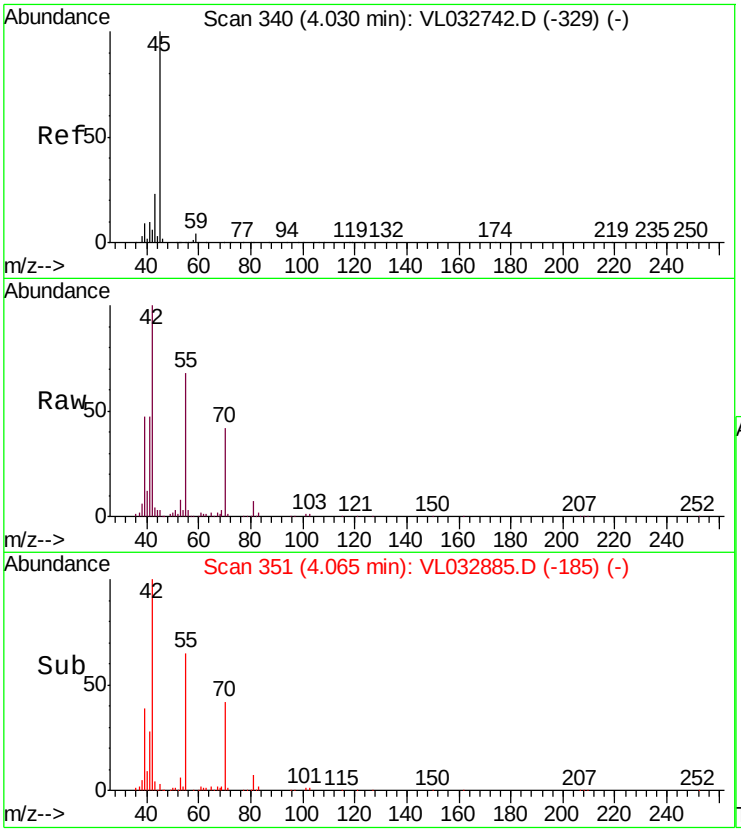


#17
tert-Butyl alcohol
Concen: 0.101 ppbv
RT: 4.39 min Scan# 452
Delta R.T. 0.02 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Tgt Ion: 59 Resp: 4549

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#



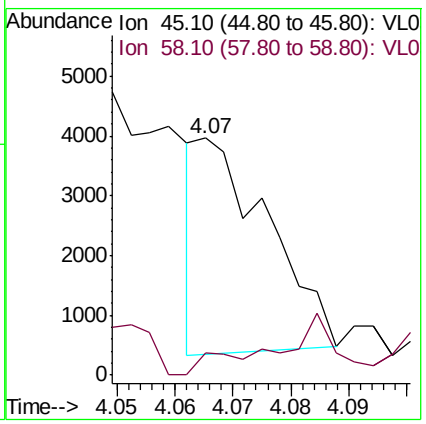


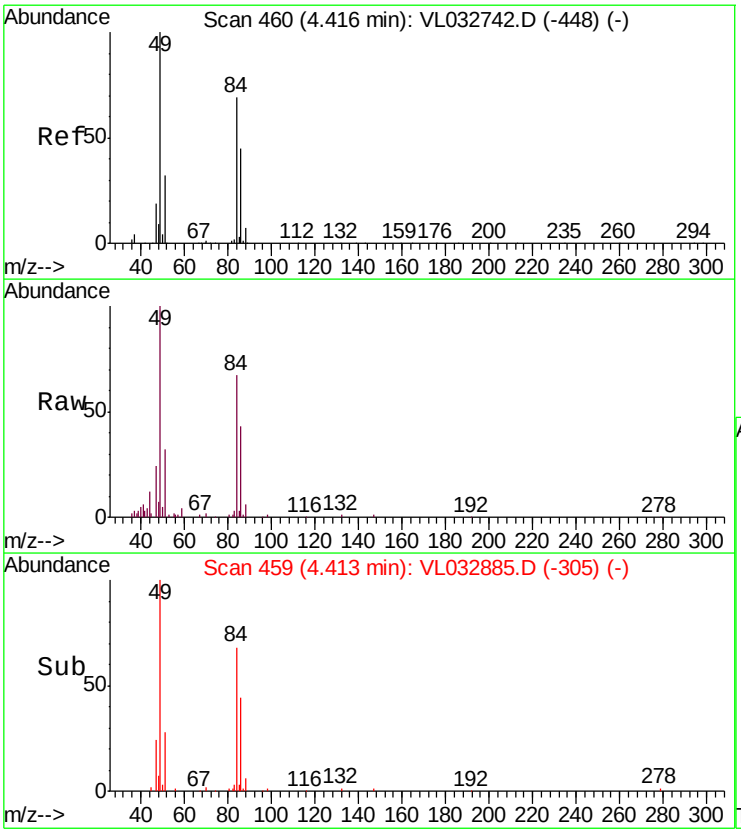
#19
Isopropyl Alcohol
Concen: 0.032 ppbv
RT: 4.07 min Scan# 351
Delta R.T. 0.04 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Instrument : MSVOA_L
ClientSampleId : MMSV-04DL

Tgt Ion: 45 Resp: 3036

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.0#

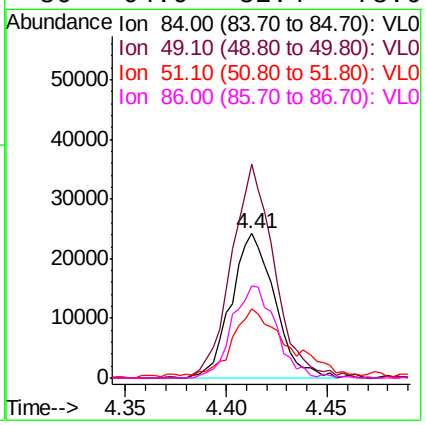


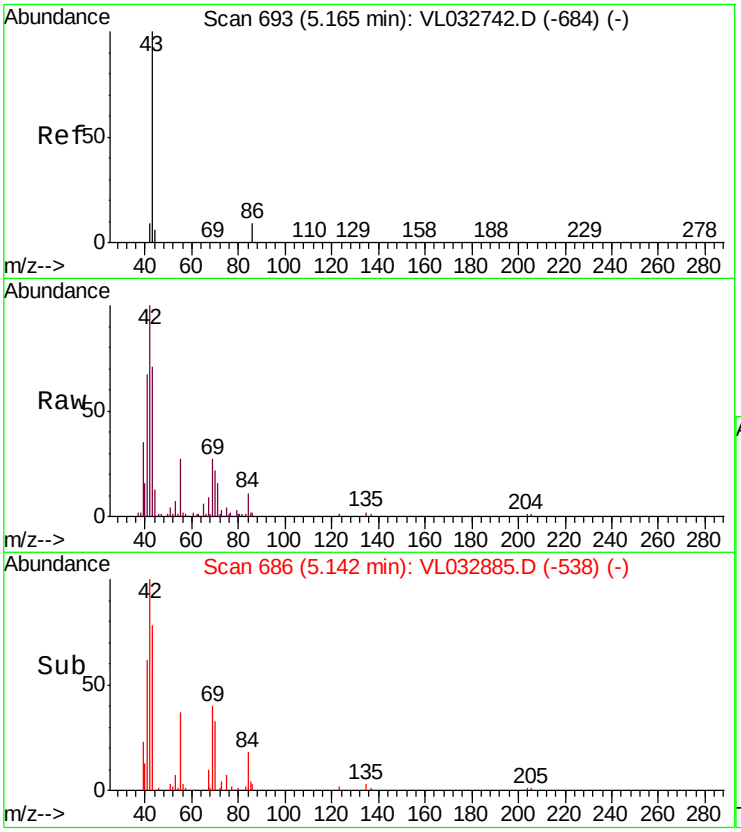


#20
Methylene Chloride
Concen: 0.490 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Tgt Ion: 84 Resp: 36573

Ion	Ratio	Lower	Upper
84	100		
49	148.2	115.8	173.6
51	45.4	36.9	55.3
86	64.0	52.4	78.6



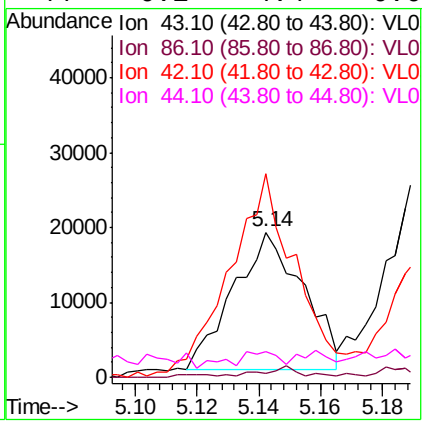


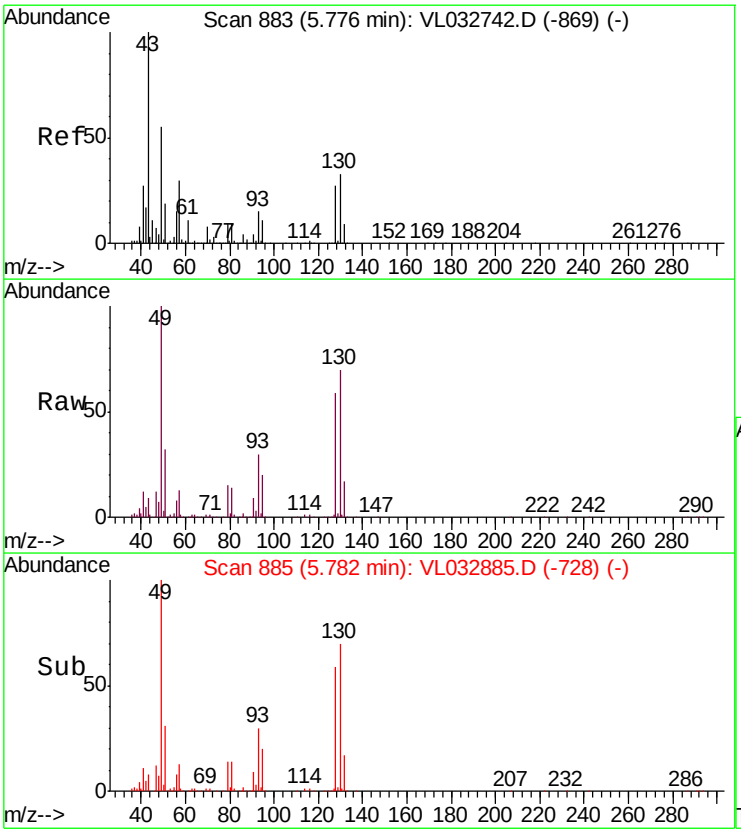
#23
Vinyl Acetate
Concen: 0.109 ppbv
RT: 5.14 min Scan# 686
Delta R.T. -0.02 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Instrument : MSVOA_L
ClientSampleId : MMSV-04DL

Tgt Ion: 43 Resp: 28519

Ion	Ratio	Lower	Upper
43	100		
86	1.8	6.2	9.4#
42	135.5	7.8	11.6#
44	6.1	4.4	6.6

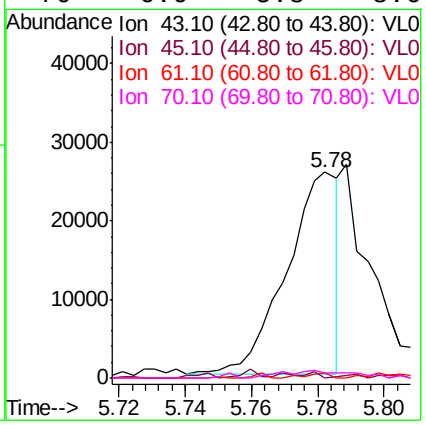


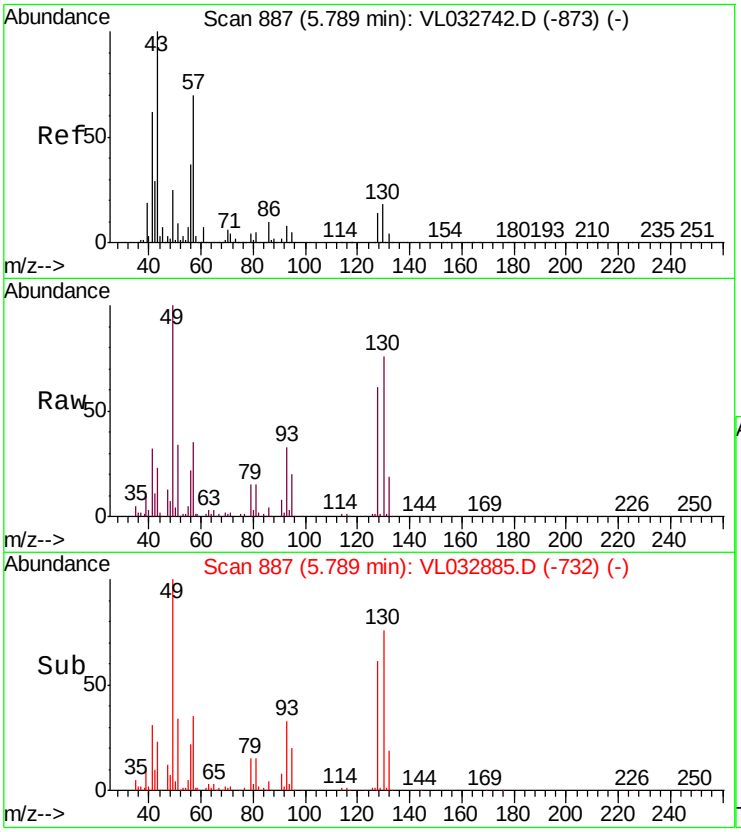


#25
Ethyl Acetate
Concen: 0.083 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Tgt Ion: 43 Resp: 27767

Ion	Ratio	Lower	Upper
43	100		
45	6.4	7.9	11.9#
61	3.8	7.8	11.6#
70	6.0	5.8	8.6



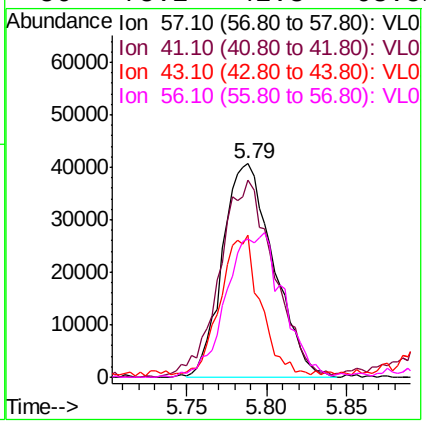


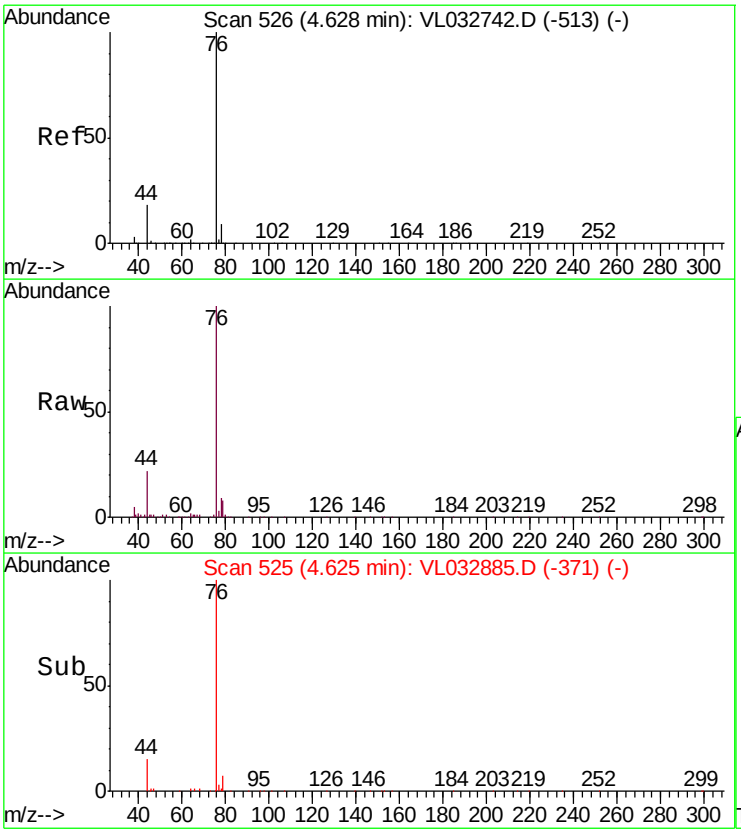
#26
Hexane
Concen: 0.594 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.00 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Instrument :
MSVOA_L
ClientSampleId :
MMSV-04DL

Tgt Ion: 57 Resp: 88827

Ion	Ratio	Lower	Upper
57	100		
41	98.9	70.3	105.5
43	54.5	174.0	261.0#
56	75.2	42.3	63.5#

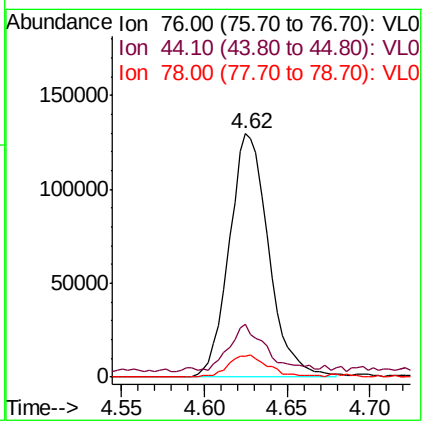


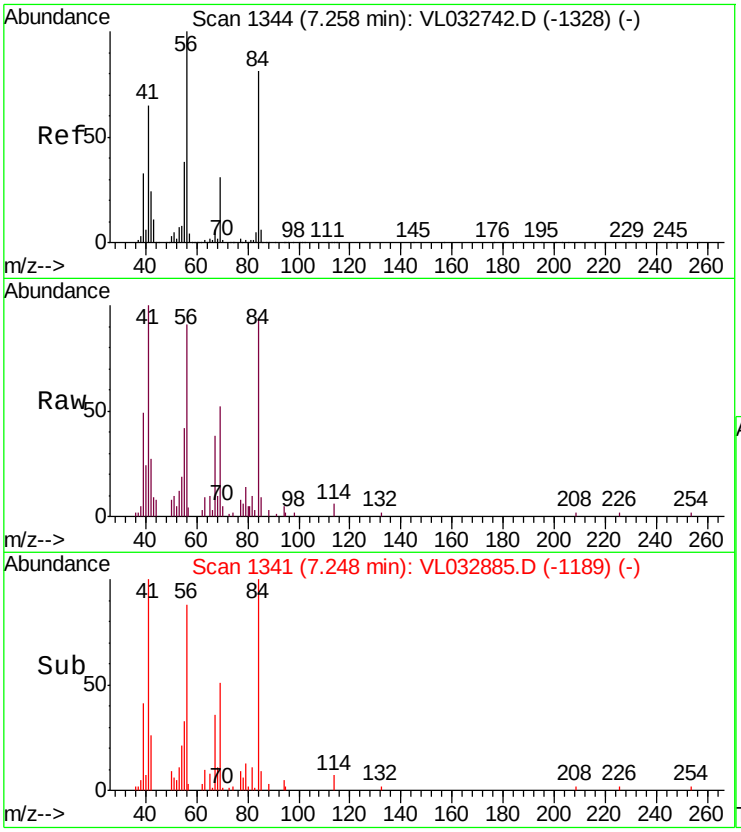


#27
Carbon Disulfide
Concen: 1.129 ppbv
RT: 4.62 min Scan# 525
Delta R.T. -0.00 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Tgt Ion: 76 Resp: 213956

Ion	Ratio	Lower	Upper
76	100		
44	22.1	14.4	21.6#
78	9.3	7.7	11.5



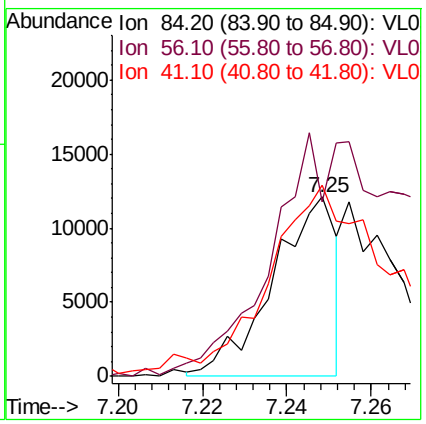


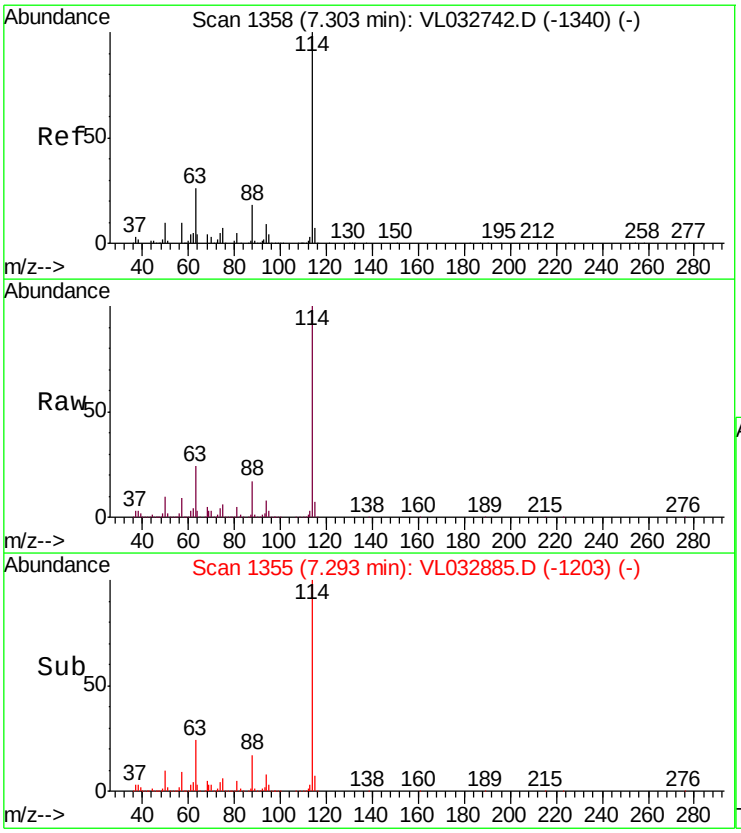
#30
Cyclohexane
Concen: 0.097 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Instrument : MSVOA_L
ClientSampleId : MMSV-04DL

Tgt Ion: 84 Resp: 12655

Ion	Ratio	Lower	Upper
84	100		
56	0.0	105.0	157.4#
41	239.8	65.3	97.9#

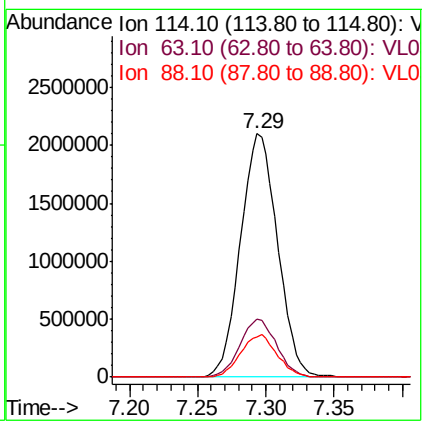


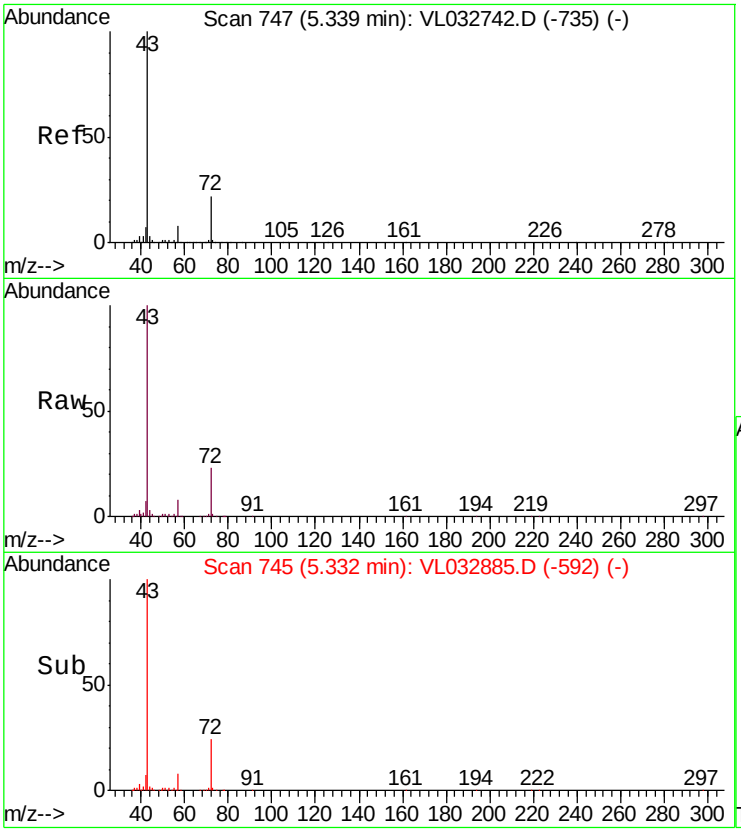


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Tgt Ion:114 Resp: 3961479

Ion	Ratio	Lower	Upper
114	100		
63	23.3	20.9	31.3
88	17.2	14.4	21.6



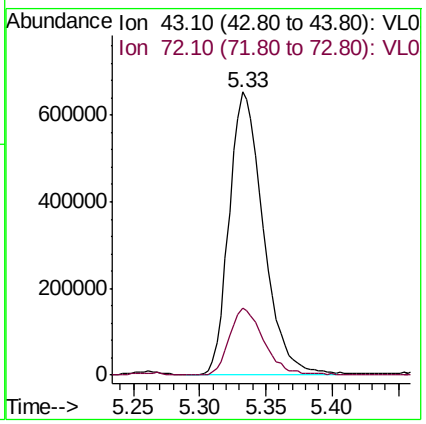


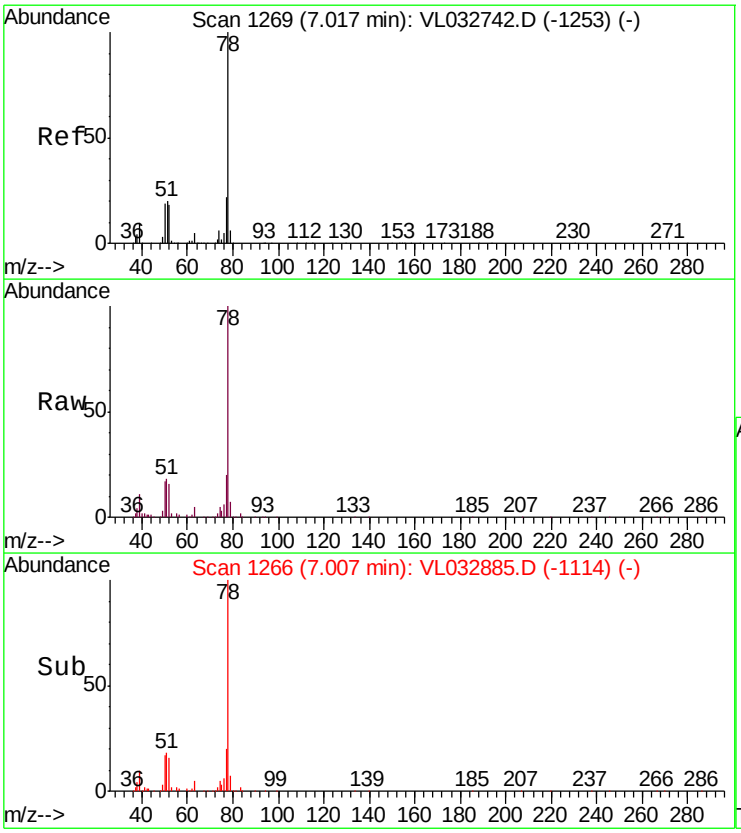
#34
2-Butanone
Concen: 5.716 ppbv
RT: 5.33 min Scan# 745
Delta R.T. -0.01 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Instrument :
MSVOA_L
ClientSampleId :
MMSV-04DL

Tgt Ion: 43 Resp: 1174465

Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.4	27.6

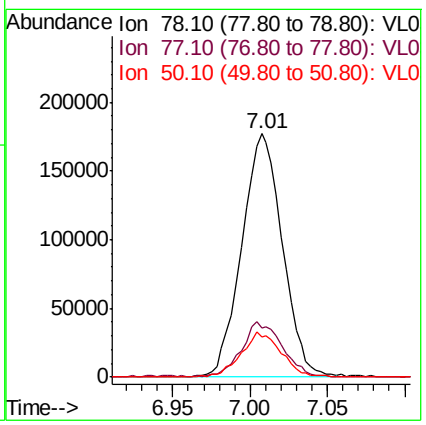


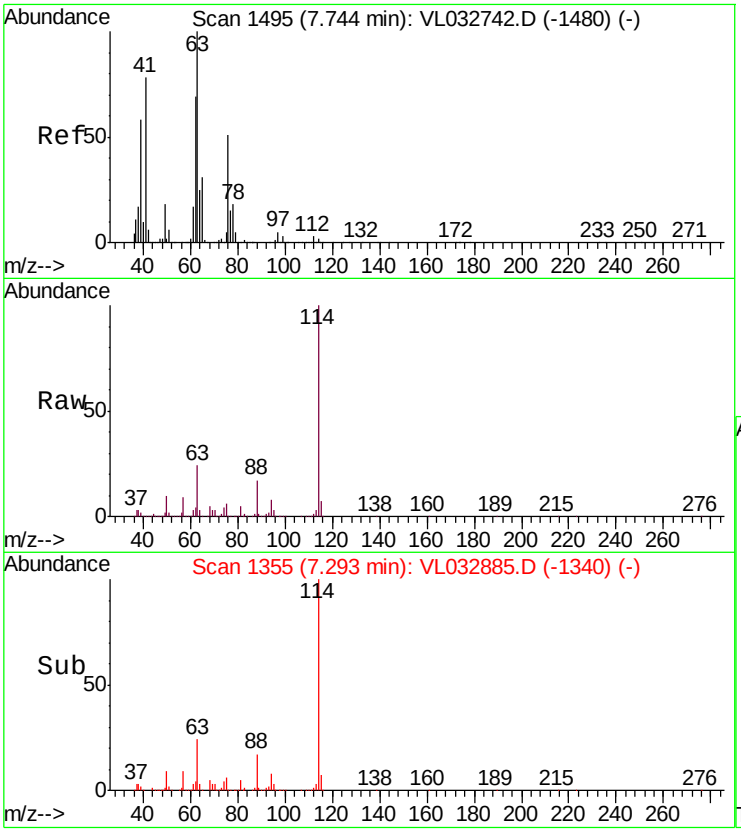


#36
Benzene
Concen: 1.027 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Tgt Ion: 78 Resp: 324094

Ion	Ratio	Lower	Upper
78	100		
77	20.1	17.8	26.8
50	16.6	15.4	23.0



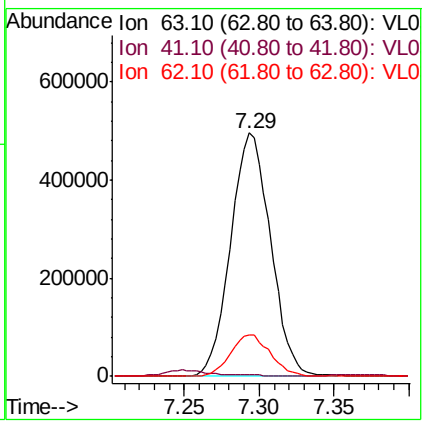


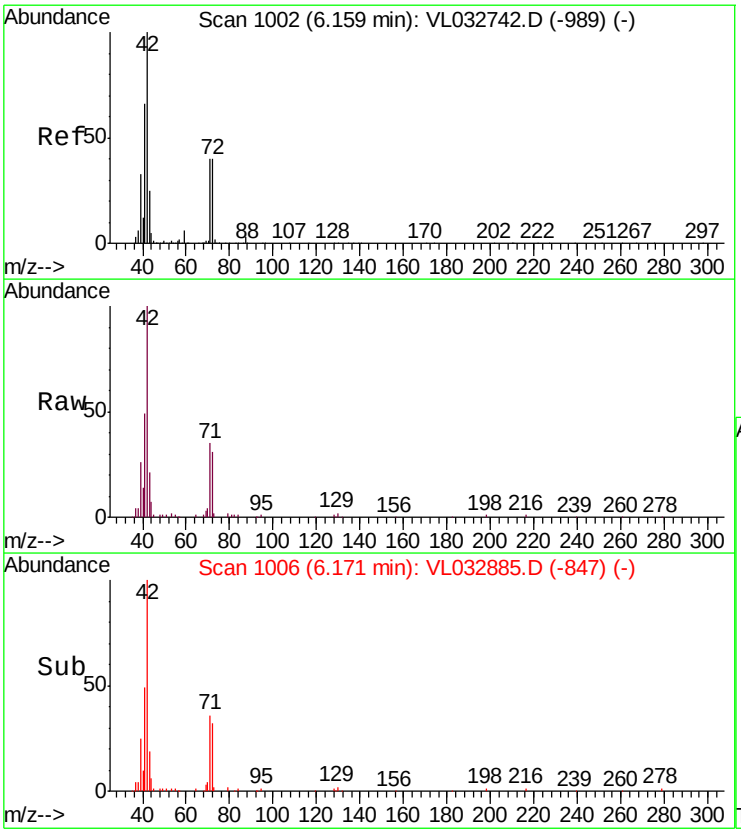
#39
1,2-Dichloropropane
Concen: 7.618 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.45 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Instrument :
MSVOA_L
ClientSampleId :
MMSV-04DL

Tgt Ion: 63 Resp: 915608

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.0	93.0#
62	16.8	55.4	83.2#

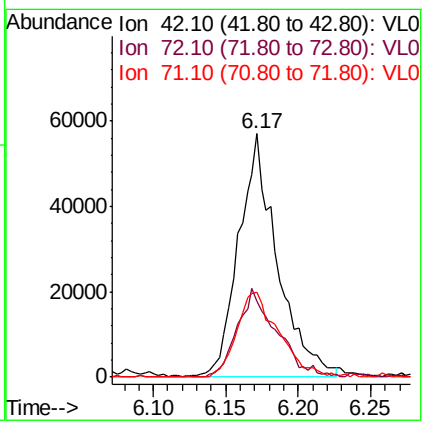


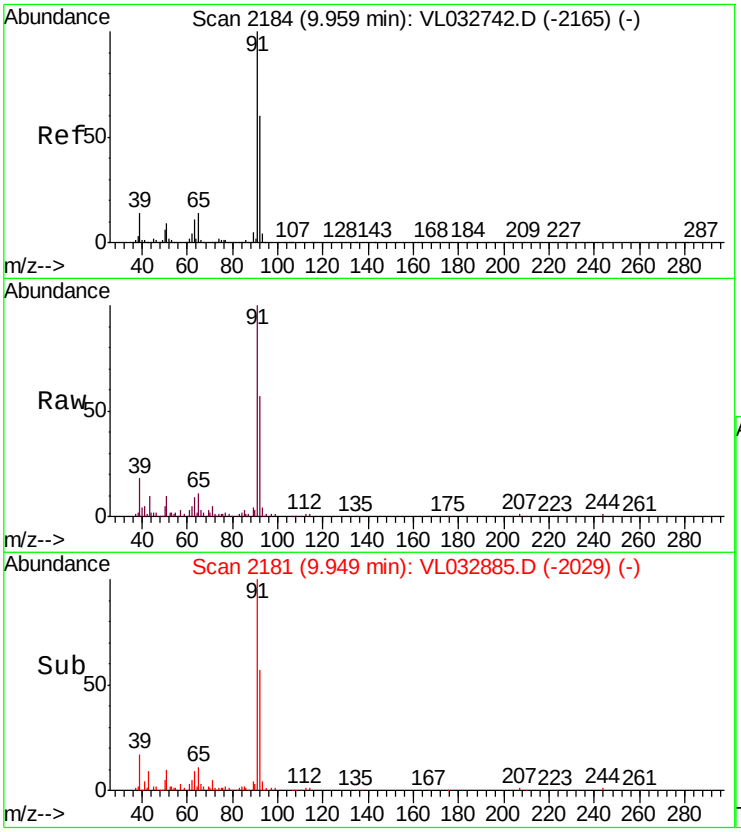


#41
Tetrahydrofuran
Concen: 0.894 ppbv
RT: 6.17 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Tgt Ion: 42 Resp: 105407

Ion	Ratio	Lower	Upper
42	100		
72	37.0	32.4	48.6
71	37.9	31.6	47.4



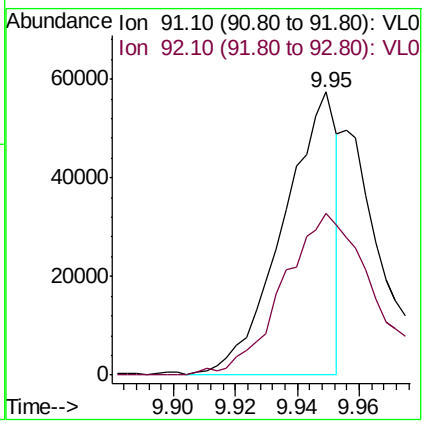


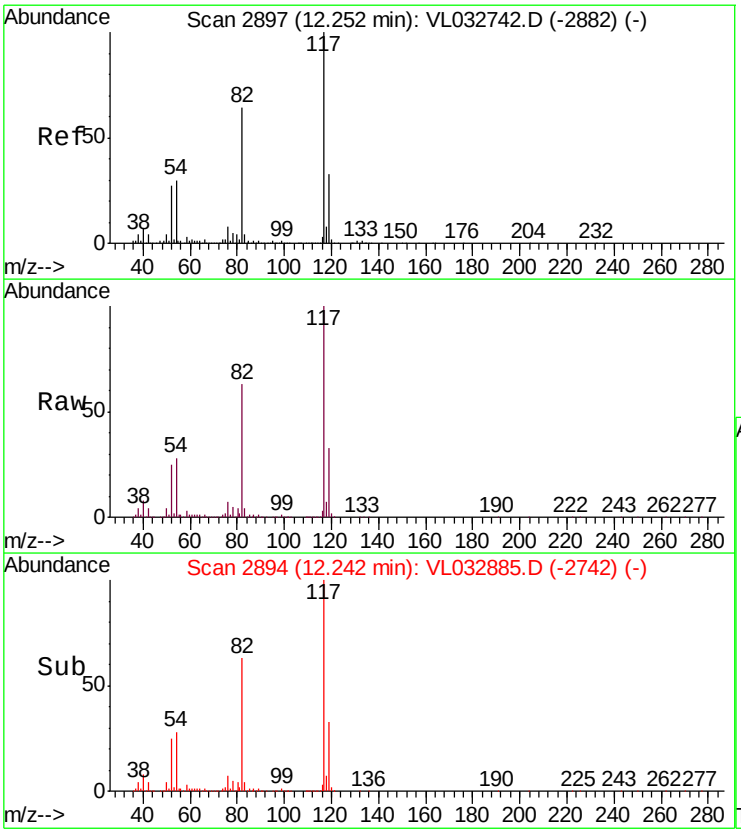
#53
Toluene
Concen: 0.210 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Instrument : MSVOA_L
ClientSampleId : MMSV-04DL

Tgt Ion: 91 Resp: 69014

Ion	Ratio	Lower	Upper
91	100		
92	95.4	47.9	71.9#

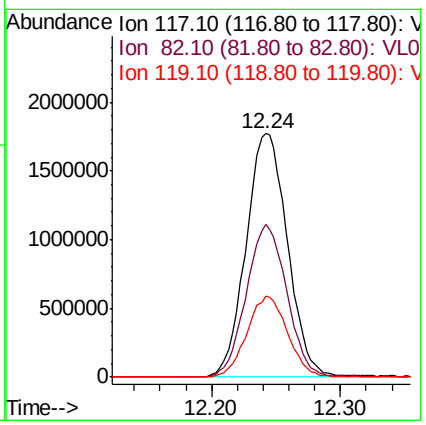


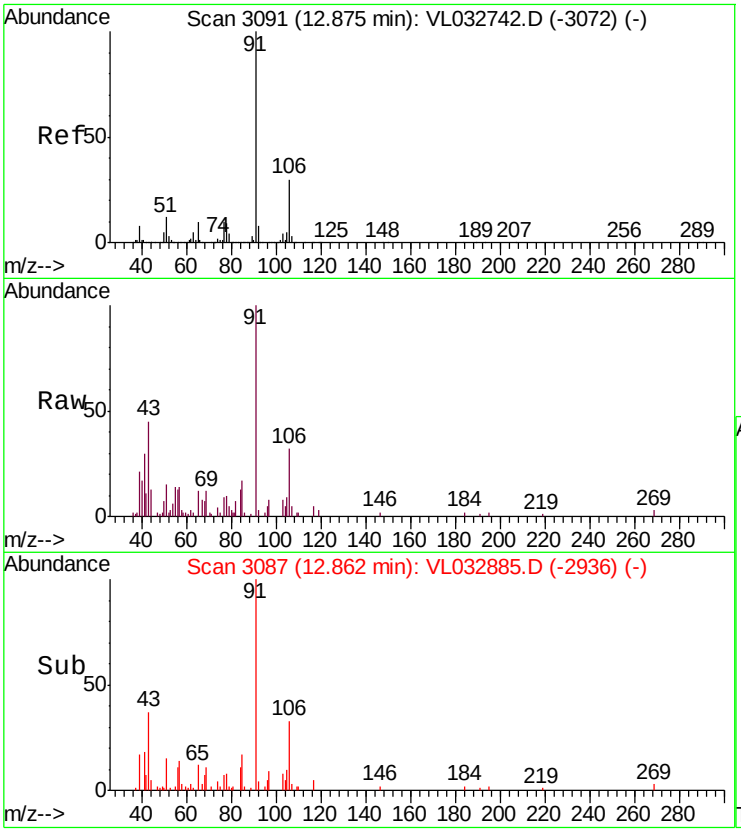


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Tgt Ion:117 Resp: 3952239

Ion	Ratio	Lower	Upper
117	100		
82	61.6	51.0	76.6
119	32.9	28.0	42.0



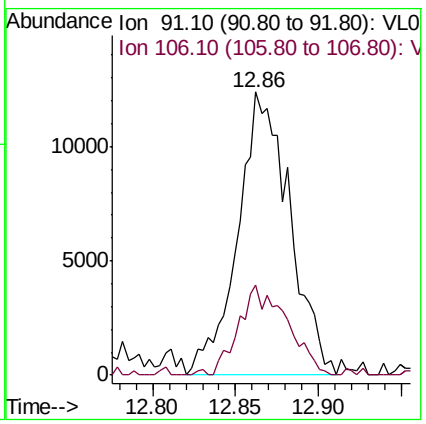


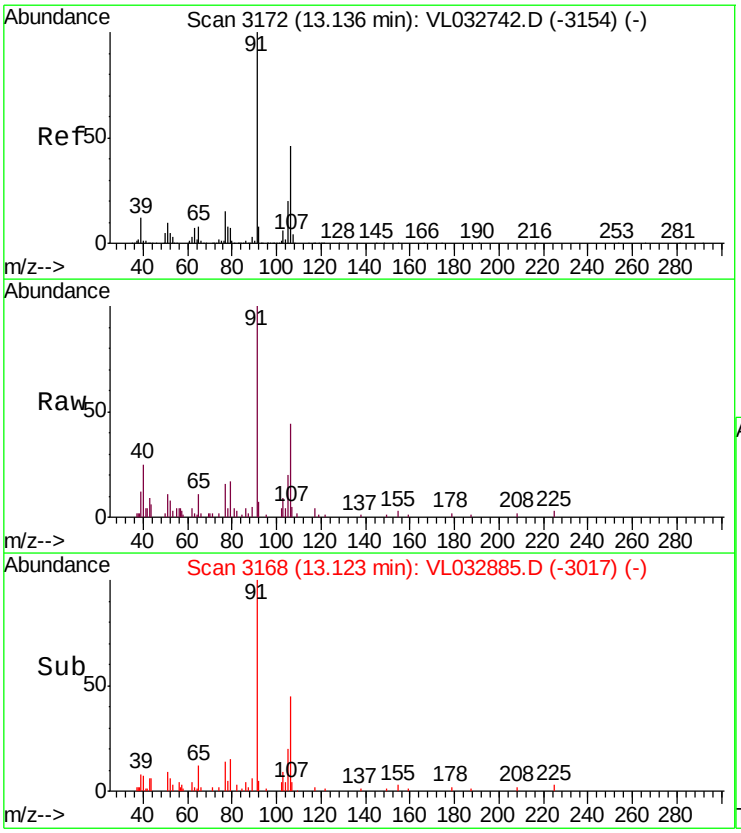
#58
Ethyl Benzene
Concen: 0.056 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Instrument : MSVOA_L
ClientSampleId : MMSV-04DL

Tgt Ion: 91 Resp: 26816

Ion	Ratio	Lower	Upper
91	100		
106	31.8	23.6	35.4

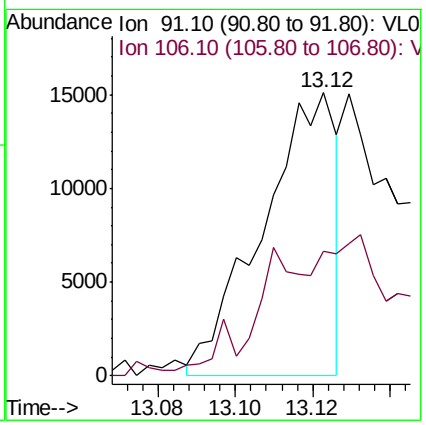


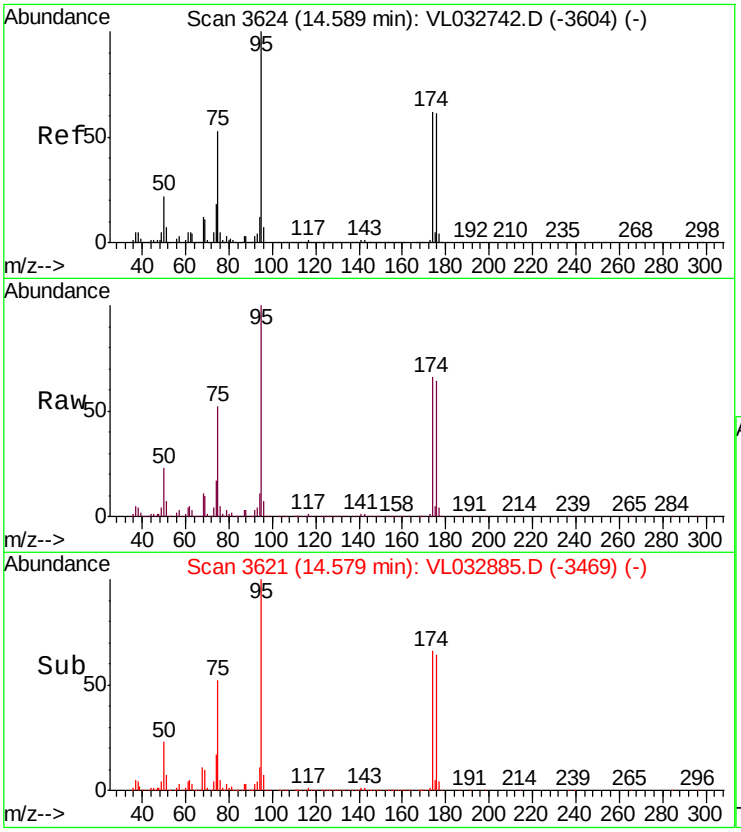


#59
m/p-Xylene
Concen: 0.047 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Tgt Ion: 91 Resp: 20075

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.589 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL032885.D
Acq: 4 Dec 2018 20:42

Instrument :
MSVOA_L
ClientSampleId :
MMSV-04DL

Tgt Ion: 95 Resp: 2834633

Ion	Ratio	Lower	Upper
95	100		
174	66.4	50.7	76.1
175	5.0	3.8	5.6