Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\

Quantitation Report (Not Reviewed)

Data File : VL032562.D
Acq On : 27 Sep 2018 23:25
Operator : SY/AP
Sample : J5094-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : AA-1

Quant Time: Sep 28 02:10:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1276947	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	2857265	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3005721	10.00	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2154284	9.50	ppbv	-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.09	85	30799	0.261	ppbv	100
3) Chlorodifluoromethane	3.03	51	178773	1.684	ppbv	100
4) Chloromethane	3.19	50	31037	0.501	ppbv	95
9) Propene	3.06	41	14512	0.315	ppbv	99
11) Trichlorofluoromethane	4.02	101	37765	0.269	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.57	101	10777	0.094	ppbv	98
13) Ethanol	3.67	45	129130	9.324	ppbv	99
15) Acetone	3.92	43	671930	5.995	ppbv	99
16) 1,3-Butadiene	3.37	39	2144	0.047	ppbv	87
17) tert-Butyl alcohol	4.40	59	4466	0.317	ppbv #	100
19) Isopropyl Alcohol	4.06	45	5386	0.069	ppbv #	93
20) Methylene Chloride	4.43	84	229642	4.231	ppbv	98
23) Vinyl Acetate	5.17	43	9929	0.050	ppbv #	70
25) Ethyl Acetate	5.80	43	172020	0.632	ppbv #	80
26) Hexane	5.80	57	224947	1.831	ppbv #	43
34) 2-Butanone	5.36	43	24820	0.146	ppbv #	90
35) Carbon Tetrachloride	7.16	117	8611	0.043	ppbv #	80
36) Benzene	7.03	78	15527	0.067	ppbv #	89
39) 1,2-Dichloropropane	7.32	63	770907	7.408	ppbv #	25
41) Tetrahydrofuran	5.80	42	100263	1.085	ppbv #	52
53) Toluene	9.98	91	595354	2.116	ppbv	99
60) o-Xylene	13.89	91	9616	0.030	ppbv	100

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

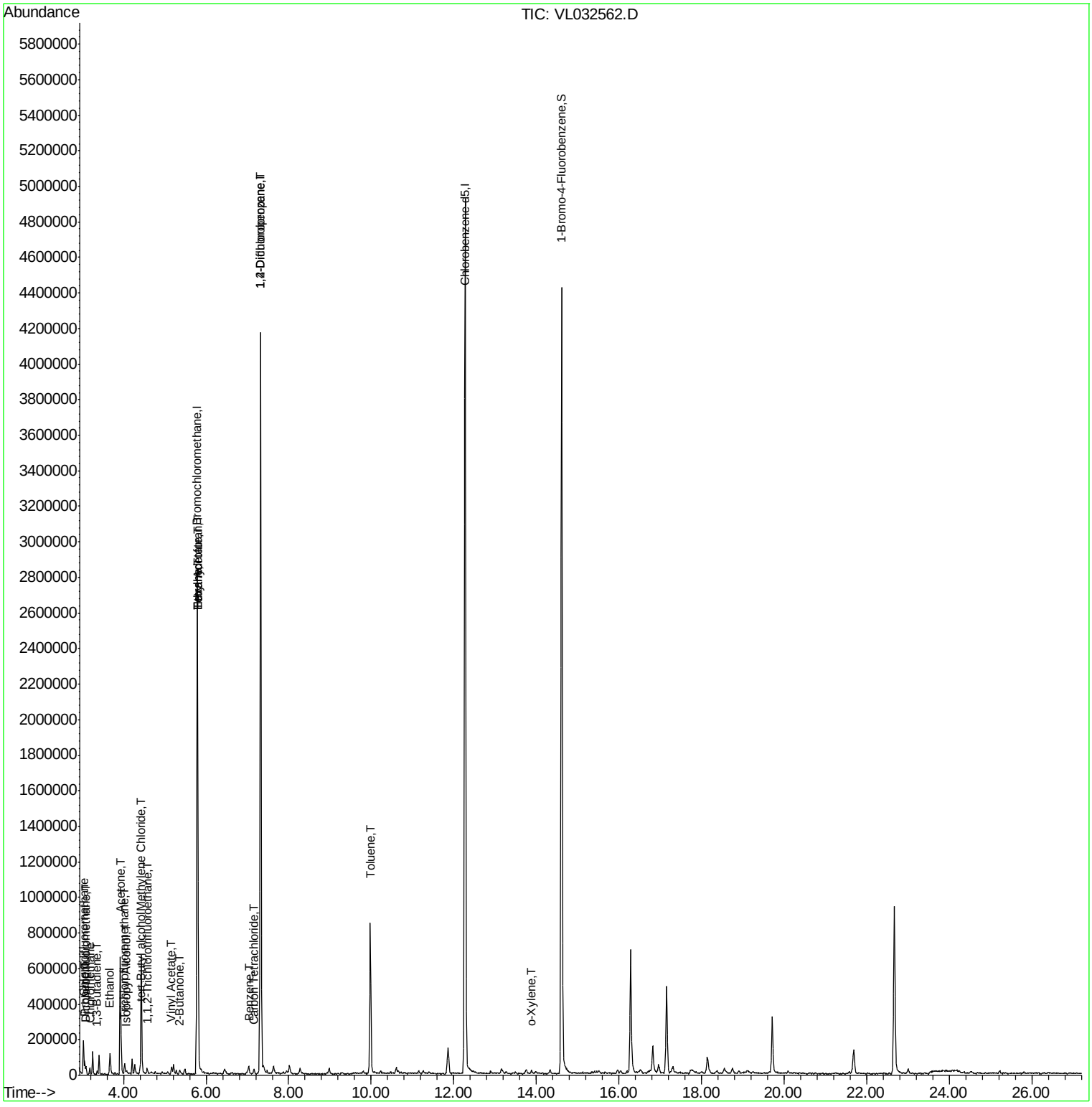
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\

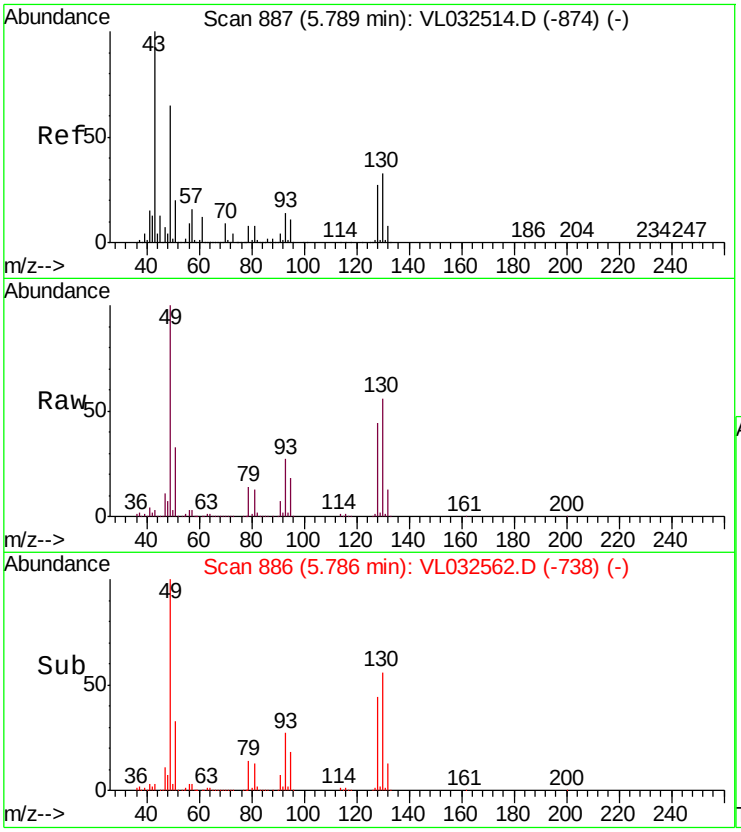
Quantitation Report (Not Reviewed)

Data File : VL032562.D
Acq On : 27 Sep 2018 23:25
Operator : SY/AP
Sample : J5094-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : AA-1

Quant Time: Sep 28 02:10:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration



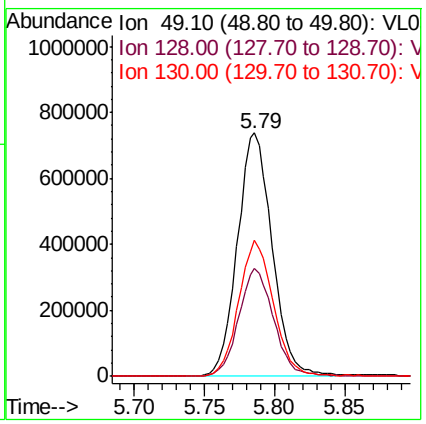


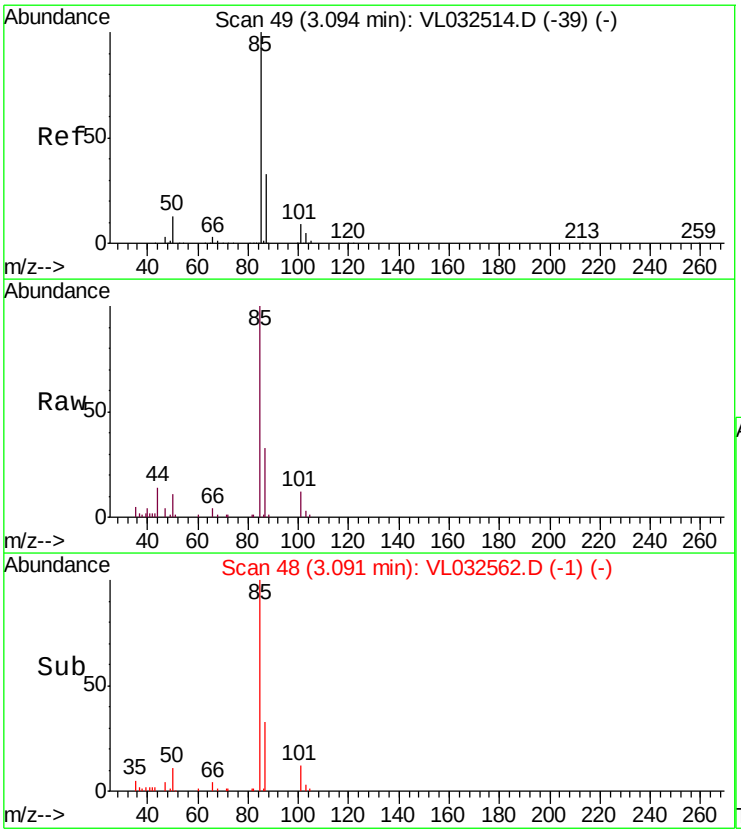
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.02 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Instrument : MSVOA_L
ClientSampleId : AA-1

Tgt Ion: 49 Resp: 1276947

Ion	Ratio	Lower	Upper
49	100		
128	44.4	20.7	62.1
130	56.2	26.6	79.7

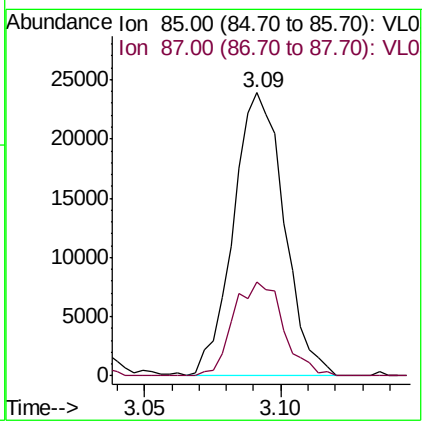


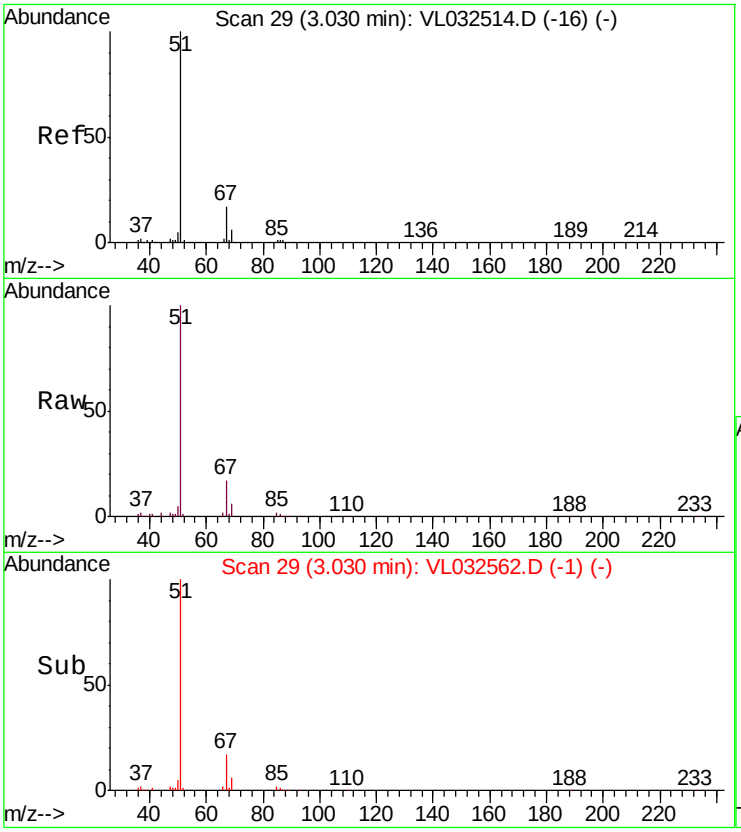


#2
Dichlorodifluoromethane
Concen: 0.261 ppbv
RT: 3.09 min Scan# 48
Delta R.T. -0.02 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Tgt Ion: 85 Resp: 30799

Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.2	39.4



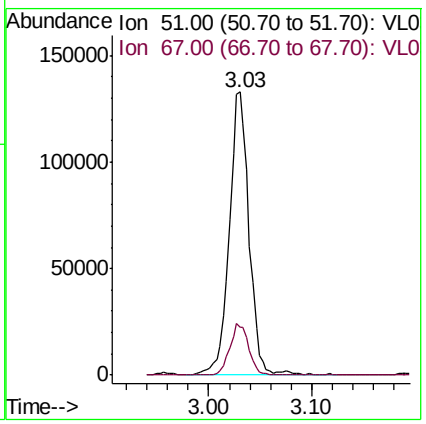


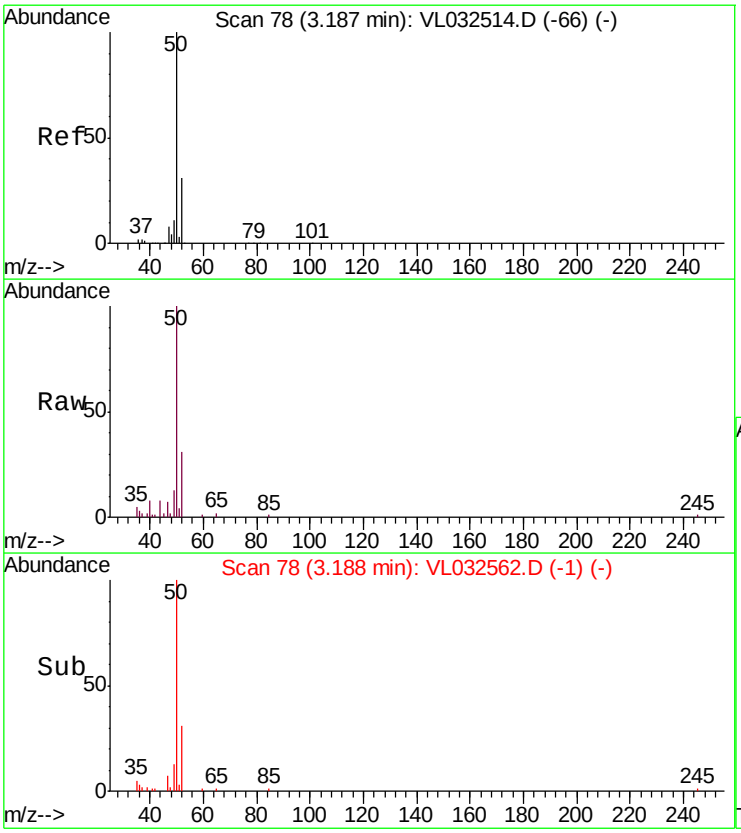
#3
Chlorodifluoromethane
Concen: 1.684 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.01 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 51 Resp: 178773

Ion	Ratio	Lower	Upper
51	100		
67	17.4	13.8	20.8

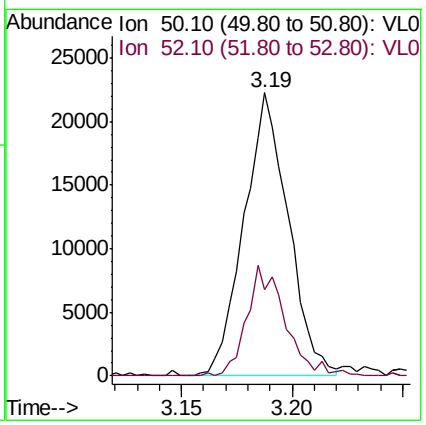


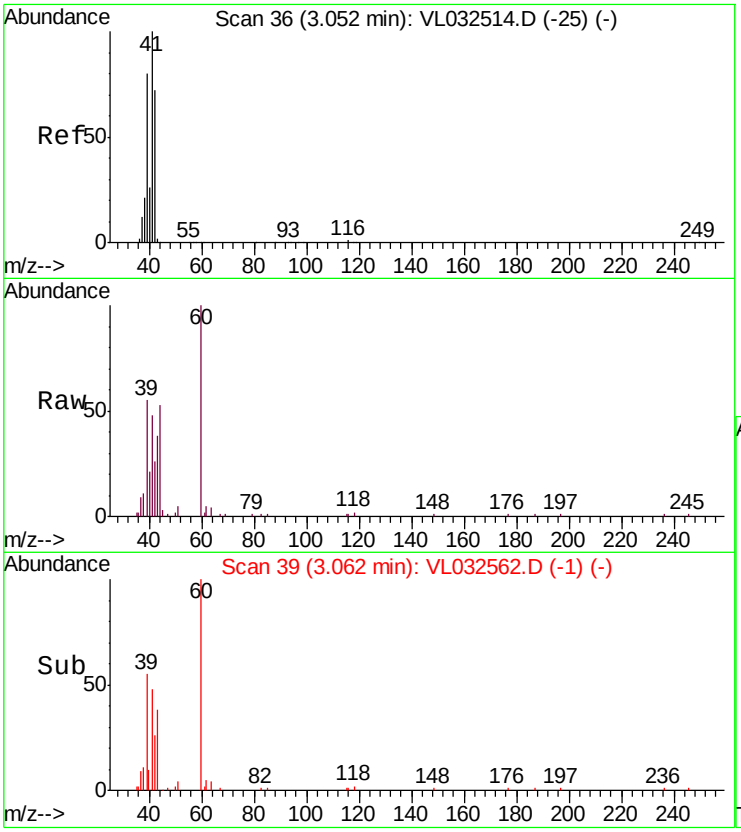


#4
Chloromethane
Concen: 0.501 ppbv
RT: 3.19 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Tgt Ion: 50 Resp: 31037

Ion	Ratio	Lower	Upper
50	100		
52	29.4	25.6	38.4



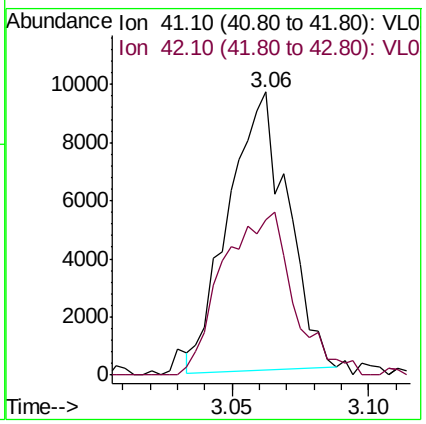


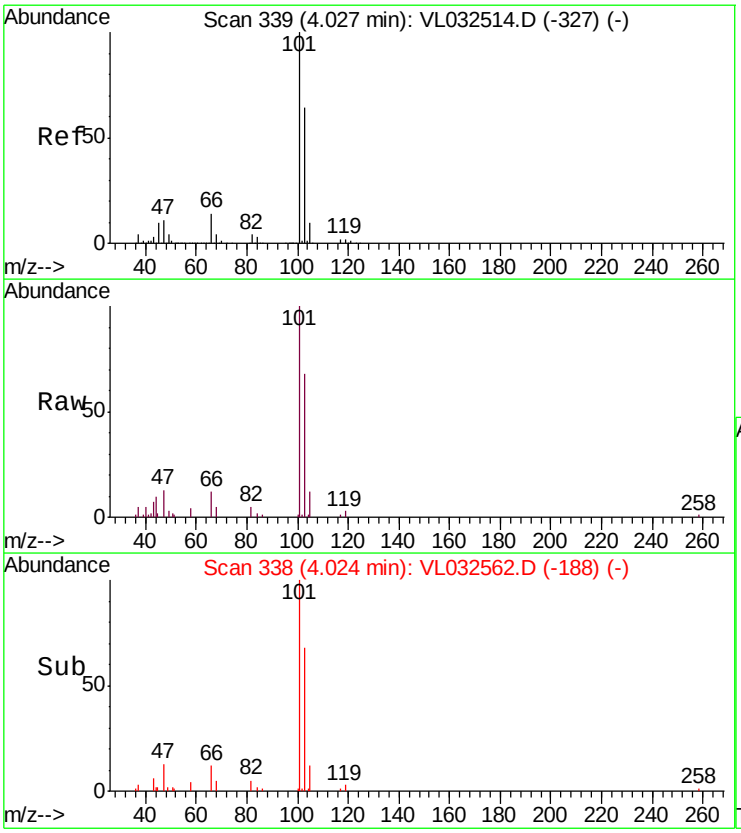
#9
Propene
Concen: 0.315 ppbv
RT: 3.06 min Scan# 39
Delta R.T. -0.01 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 41 Resp: 14512

Ion	Ratio	Lower	Upper
41	100		
42	70.0	56.6	84.8

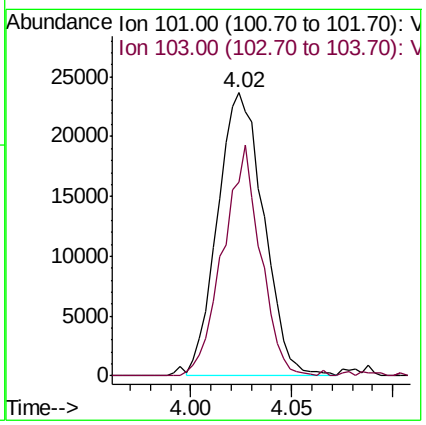


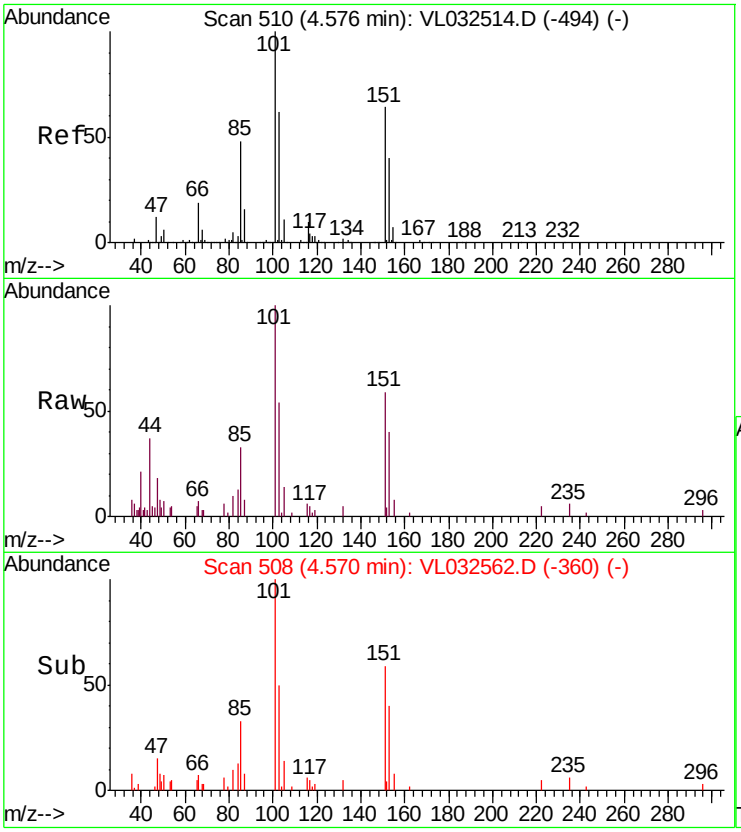


#11
Trichlorofluoromethane
Concen: 0.269 ppbv
RT: 4.02 min Scan# 338
Delta R.T. -0.02 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Tgt Ion:101 Resp: 37765

Ion	Ratio	Lower	Upper
101	100		
103	68.3	52.8	79.2



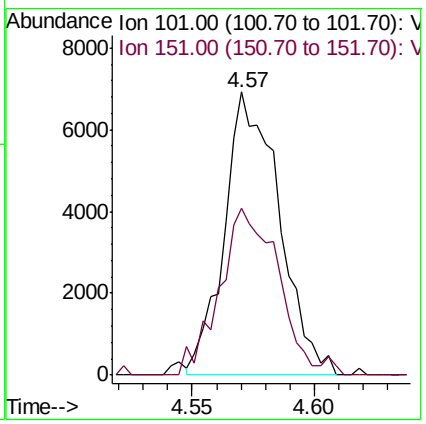


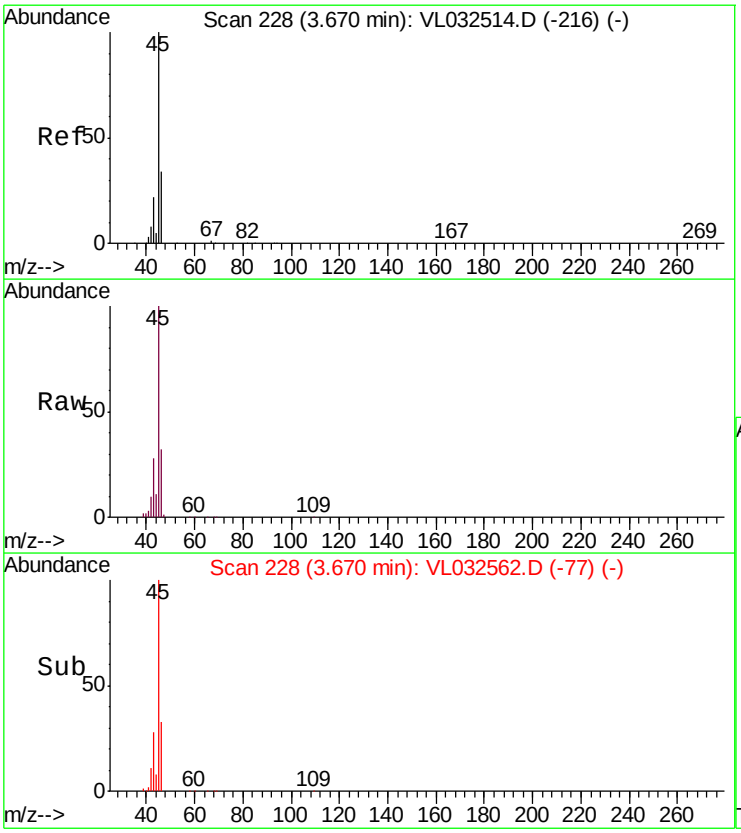
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.094 ppbv
RT: 4.57 min Scan# 508
Delta R.T. -0.02 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion:101 Resp: 10777

Ion	Ratio	Lower	Upper
101	100		
151	63.8	52.6	78.8

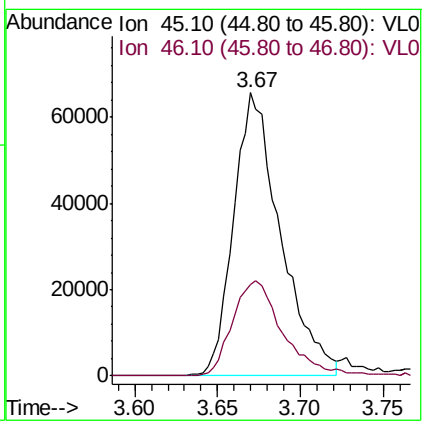


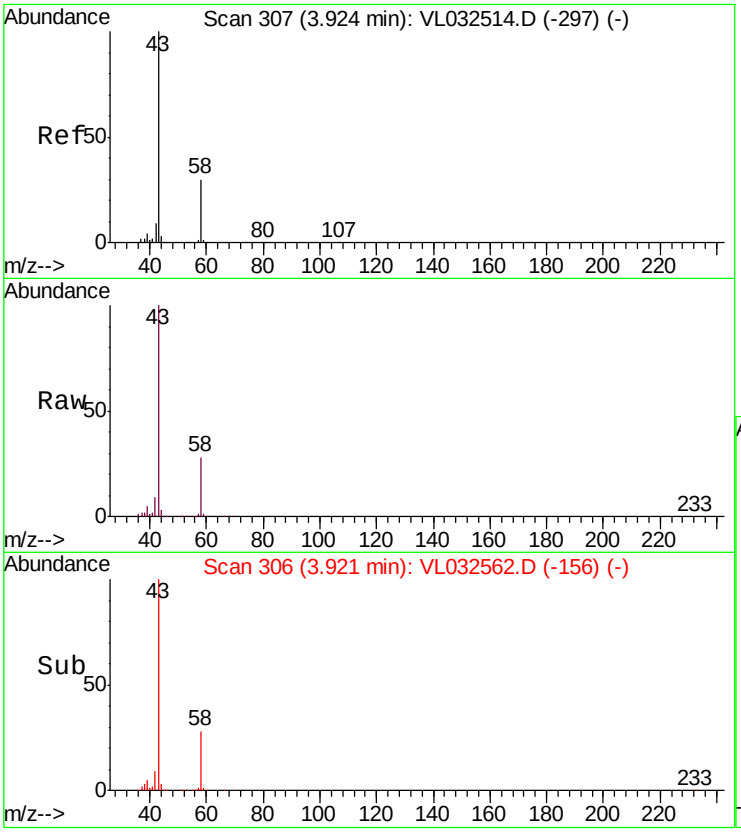


#13
Ethanol
Concen: 9.324 ppbv
RT: 3.67 min Scan# 228
Delta R.T. -0.01 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Tgt Ion: 45 Resp: 129130

Ion	Ratio	Lower	Upper
45	100		
46	36.2	14.2	56.8



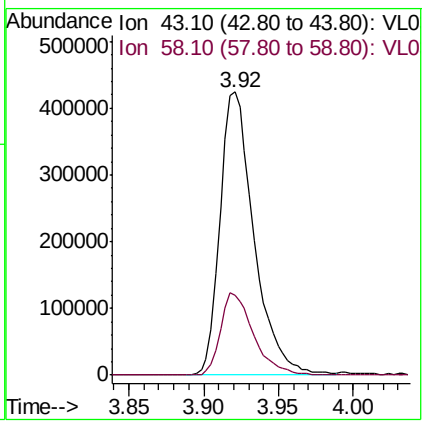


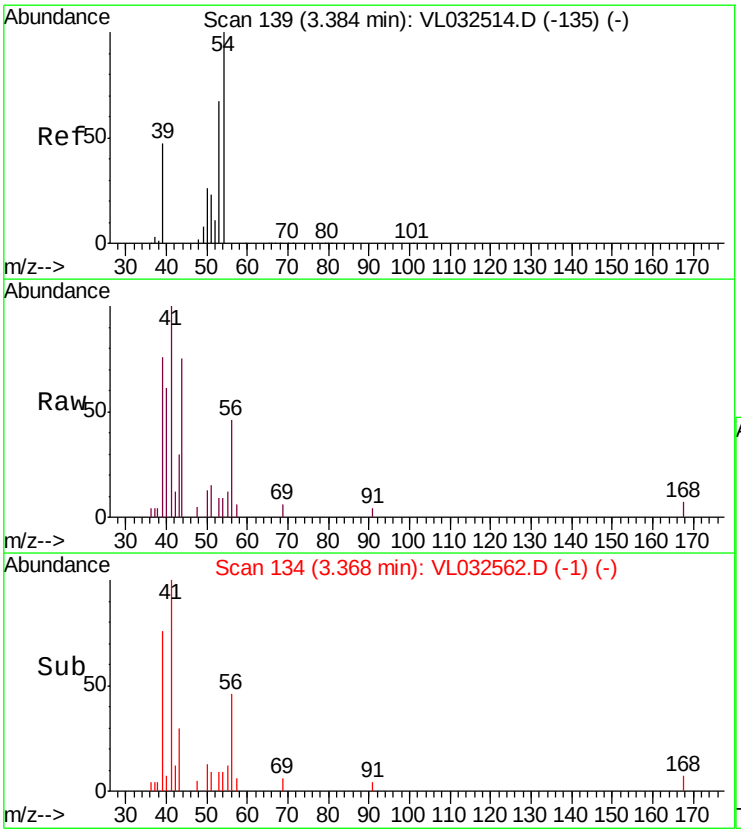
#15
Acetone
Concen: 5.995 ppbv
RT: 3.92 min Scan# 306
Delta R.T. -0.02 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Instrument : MSVOA_L
ClientSampleId : AA-1

Tgt Ion: 43 Resp: 671930

Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.6	33.8

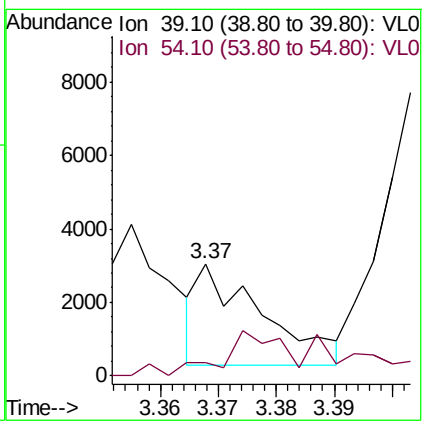


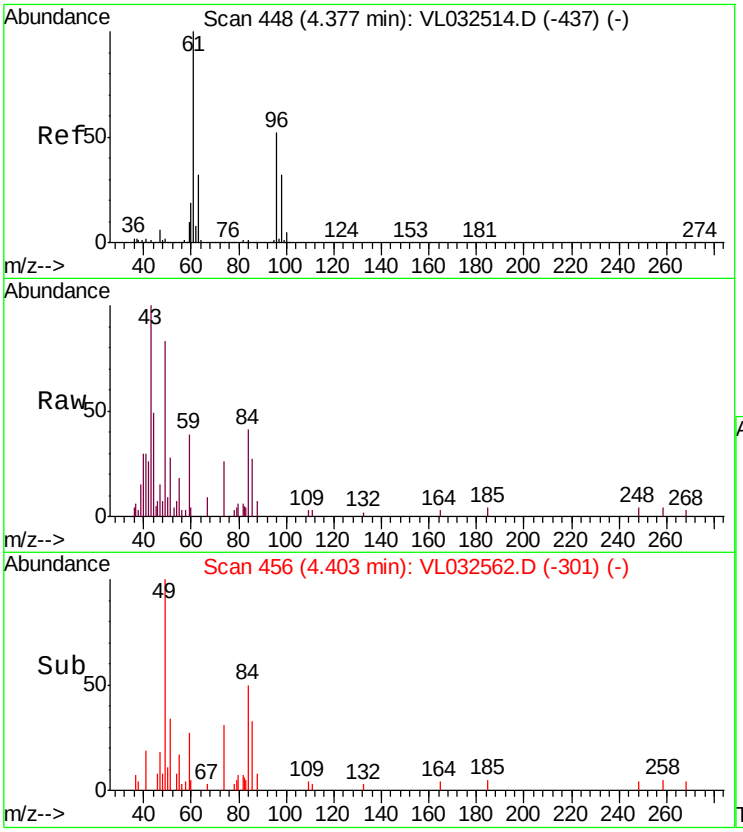


#16
1,3-Butadiene
Concen: 0.047 ppbv
RT: 3.37 min Scan# 134
Delta R.T. -0.03 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Tgt Ion: 39 Resp: 2144

Ion	Ratio	Lower	Upper
39	100		
54	87.7	80.8	121.2



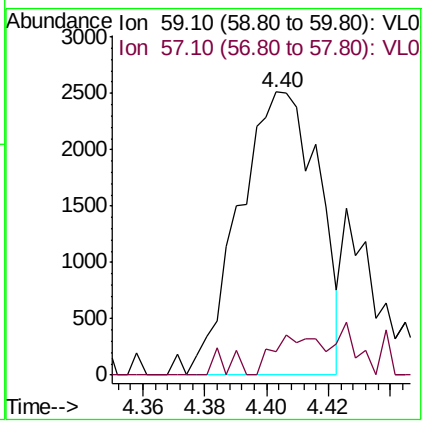


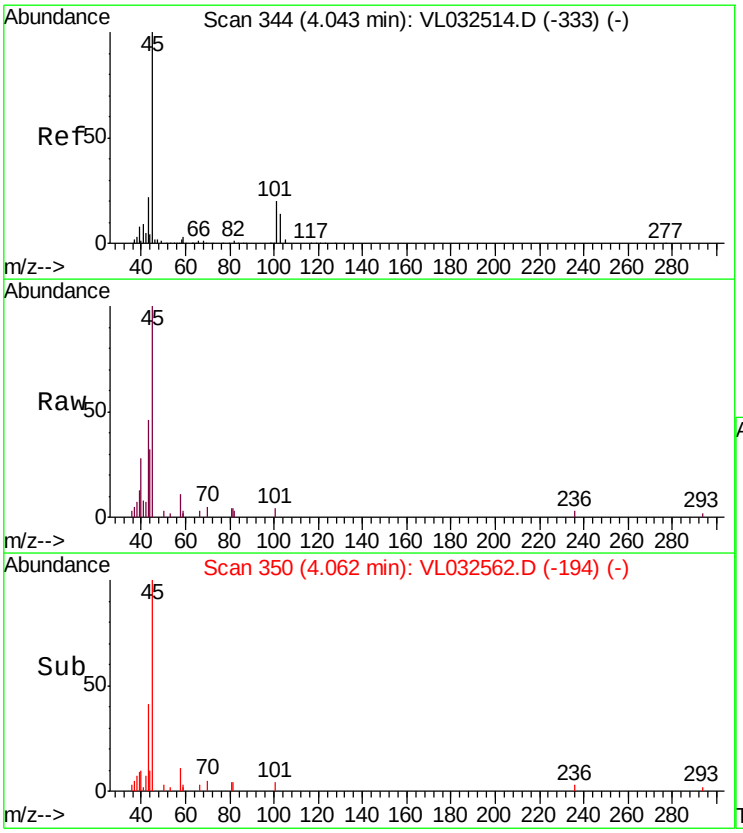
#17
tert-Butyl alcohol
Concen: 0.317 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Instrument : MSVOA_L
ClientSampleId : AA-1

Tgt Ion: 59 Resp: 4466

Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

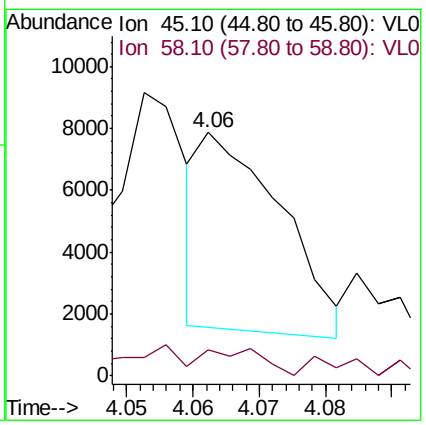


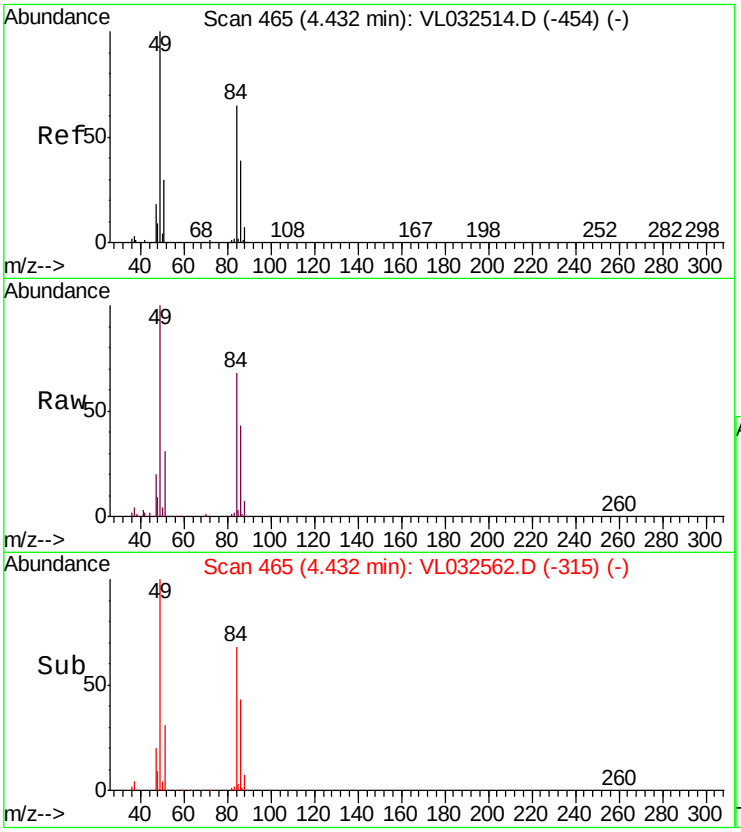


#19
Isopropyl Alcohol
Concen: 0.069 ppbv
RT: 4.06 min Scan# 350
Delta R.T. 0.00 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Tgt Ion: 45 Resp: 5386

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#



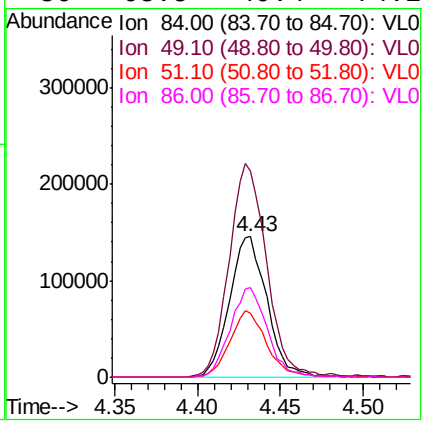


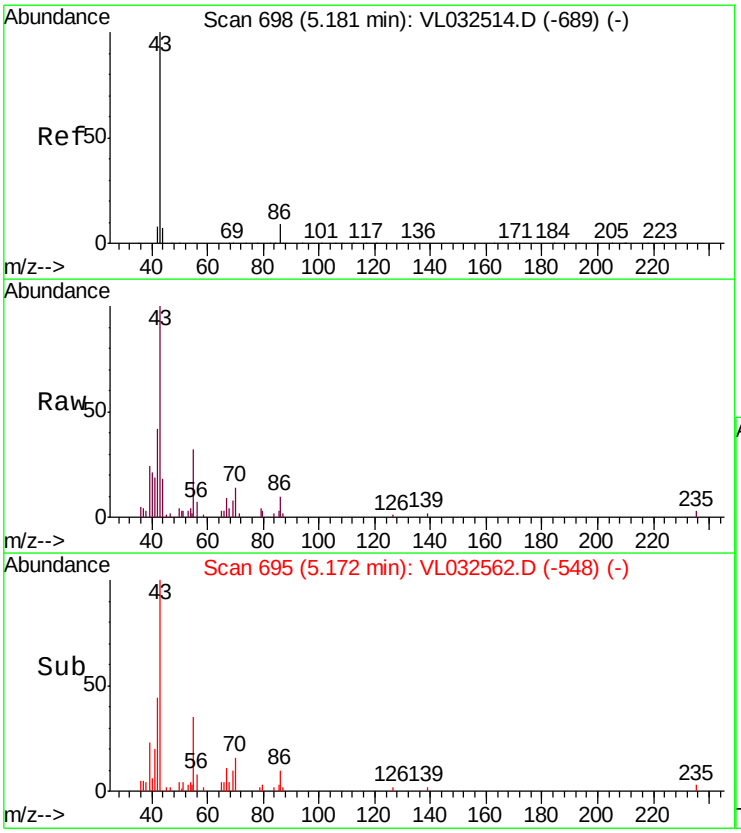
#20
Methylene Chloride
Concen: 4.231 ppbv
RT: 4.43 min Scan# 465
Delta R.T. -0.02 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Instrument : MSVOA_L
ClientSampleId : AA-1

Tgt Ion: 84 Resp: 229642

Ion	Ratio	Lower	Upper
84	100		
49	146.7	119.1	178.7
51	45.9	35.2	52.8
86	63.5	49.4	74.2

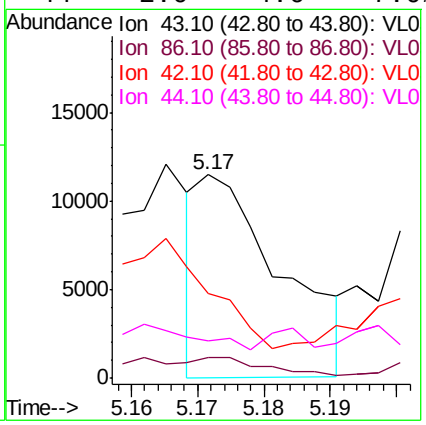


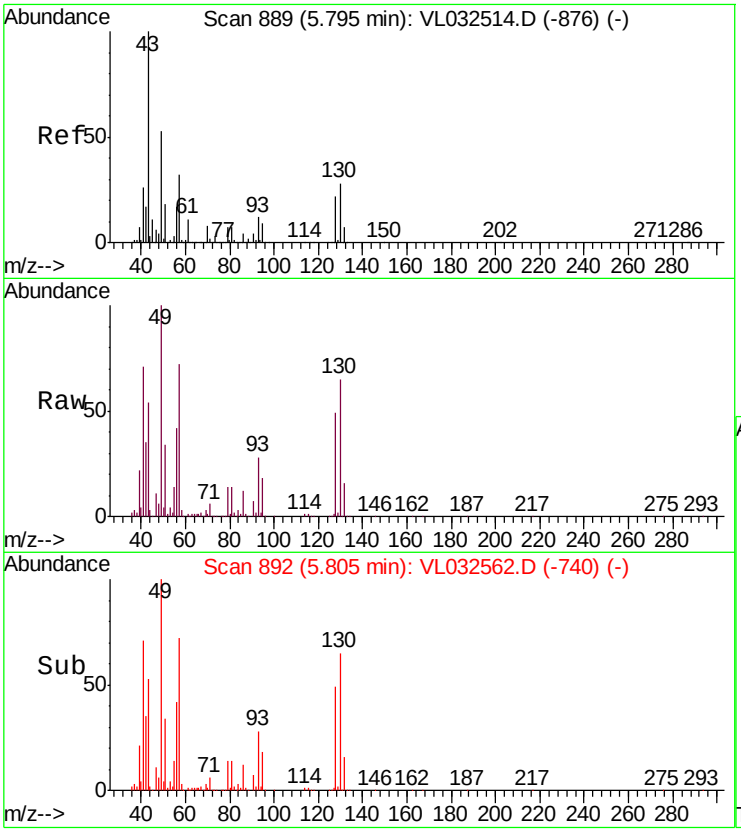


#23
Vinyl Acetate
Concen: 0.050 ppbv
RT: 5.17 min Scan# 695
Delta R.T. -0.03 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Tgt Ion: 43 Resp: 9929

Ion	Ratio	Lower	Upper
43	100		
86	14.3	5.9	8.9#
42	27.0	6.9	10.3#
44	2.0	4.6	7.0#



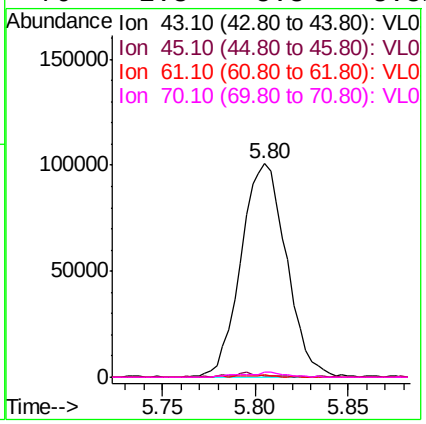


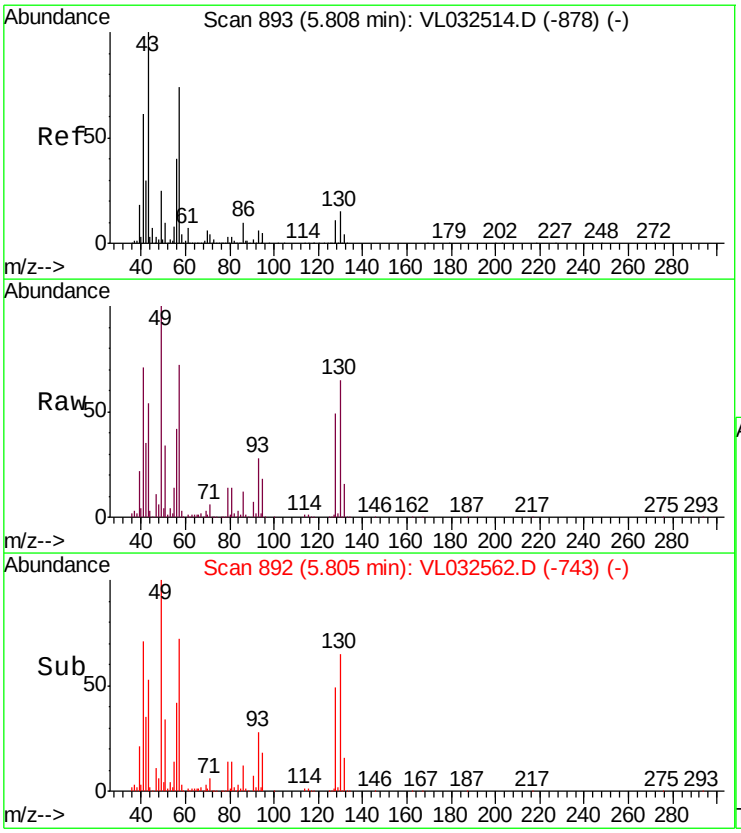
#25
Ethyl Acetate
Concen: 0.632 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Instrument : MSVOA_L
ClientSampleId : AA-1

Tgt Ion: 43 Resp: 172020

Ion	Ratio	Lower	Upper
43	100		
45	1.9	8.0	12.0#
61	0.9	7.6	11.4#
70	2.3	5.8	8.8#

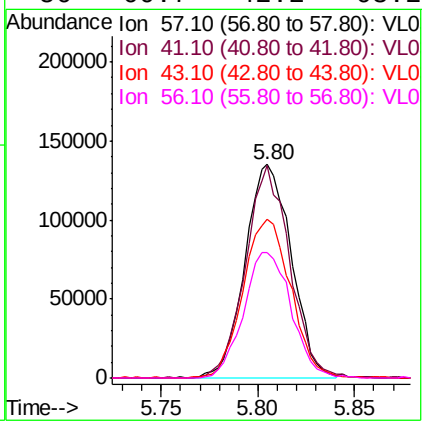


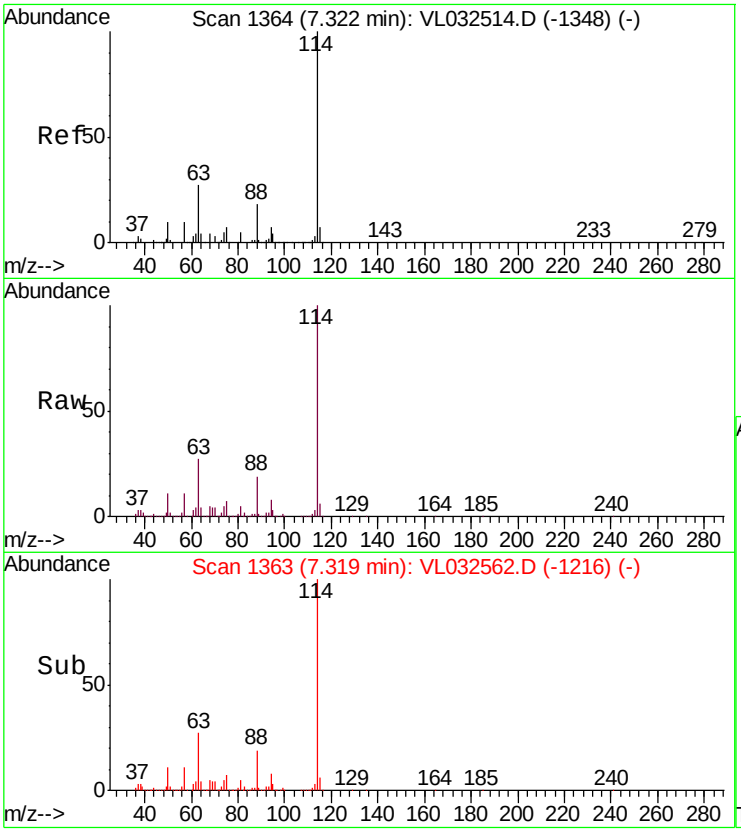


#26
Hexane
Concen: 1.831 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Tgt Ion: 57 Resp: 224947

Ion	Ratio	Lower	Upper
57	100		
41	95.4	69.0	103.4
43	77.4	172.1	258.1#
56	60.7	42.2	63.2



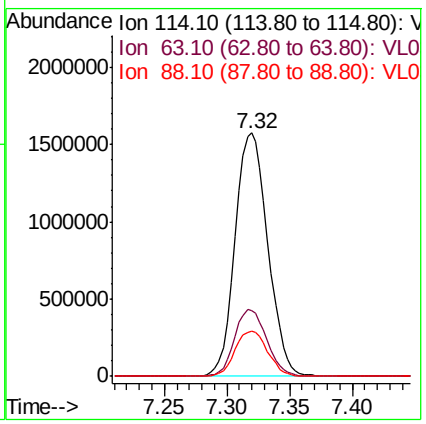


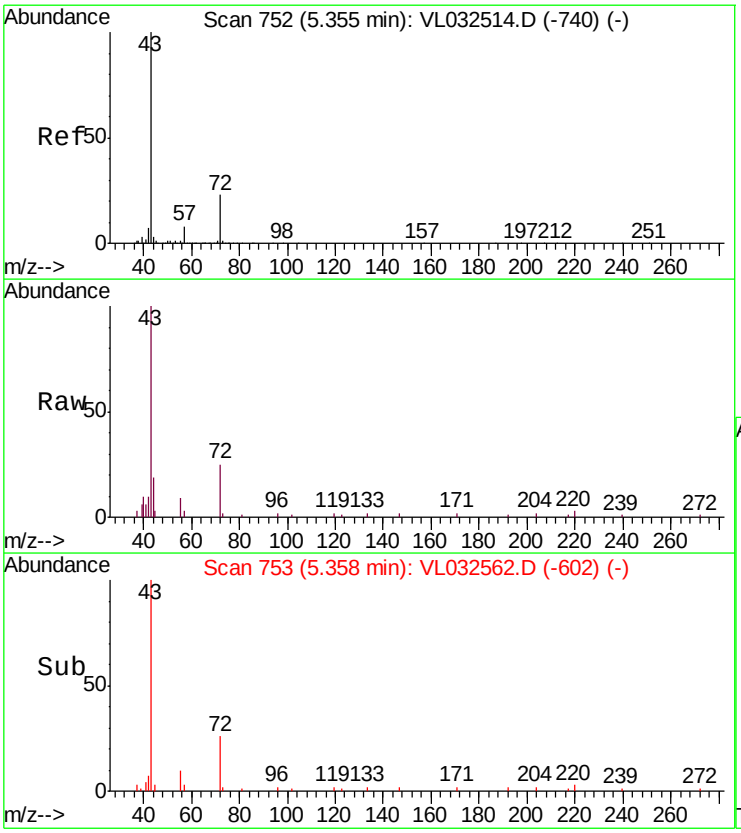
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1363
Delta R.T. -0.03 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion:114 Resp: 2857265

Ion	Ratio	Lower	Upper
114	100		
63	27.1	22.2	33.4
88	18.7	15.0	22.4

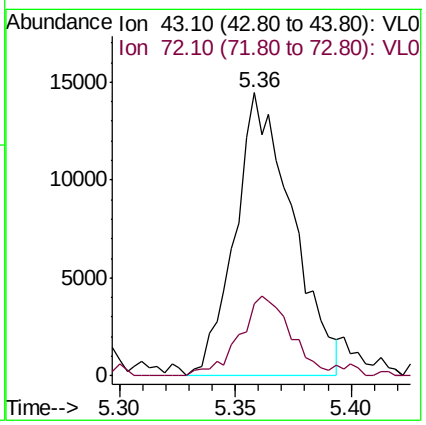


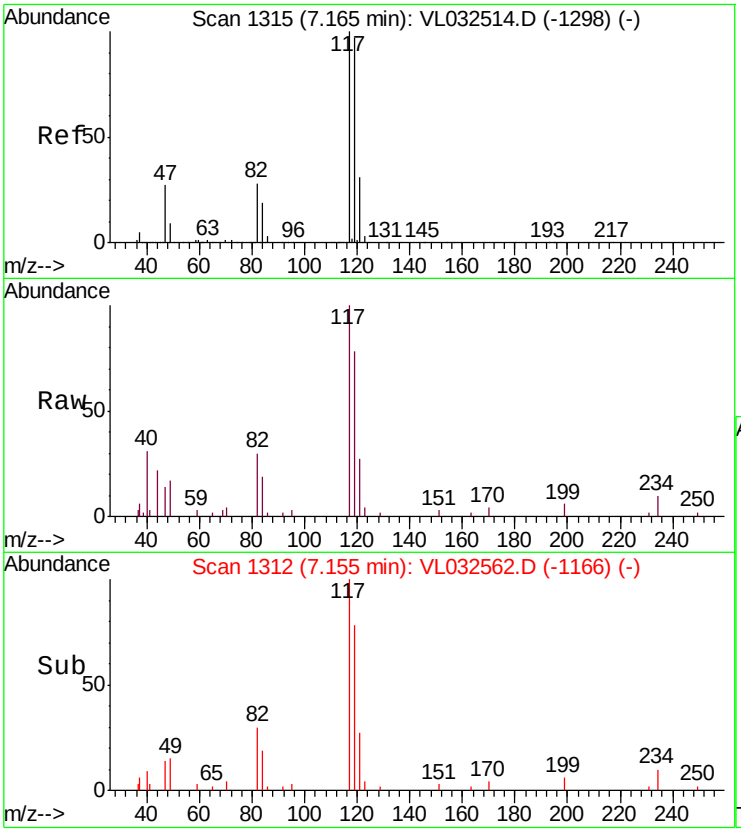


#34
2-Butanone
Concen: 0.146 ppbv
RT: 5.36 min Scan# 753
Delta R.T. -0.01 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Tgt Ion: 43 Resp: 24820

Ion	Ratio	Lower	Upper
43	100		
72	27.1	17.8	26.6#



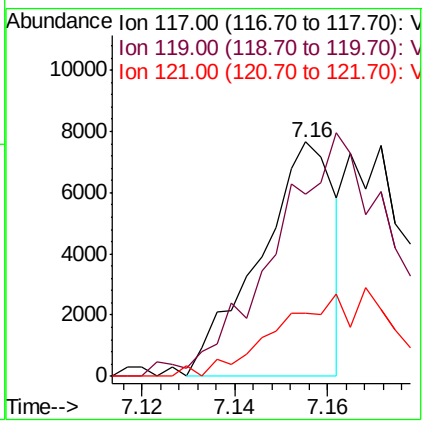


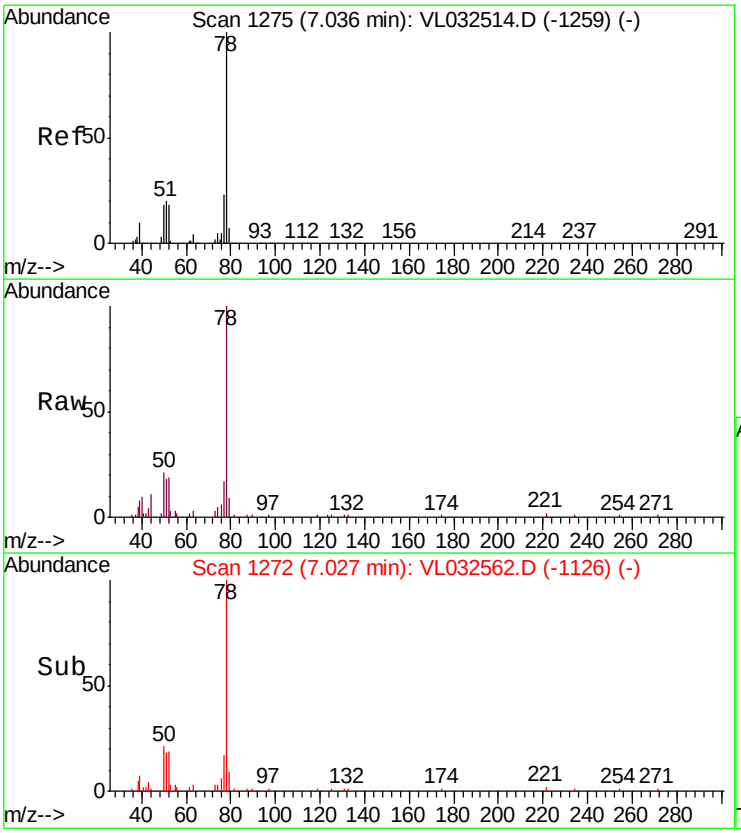
#35
Carbon Tetrachloride
Concen: 0.043 ppbv
RT: 7.16 min Scan# 1312
Delta R.T. -0.03 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Instrument : MSVOA_L
ClientSampleId : AA-1

Tgt Ion:117 Resp: 8611

Ion	Ratio	Lower	Upper
117	100		
119	74.5	76.6	115.0#
121	22.8	24.6	36.8#

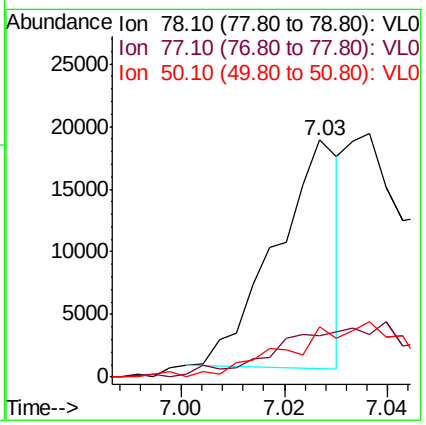


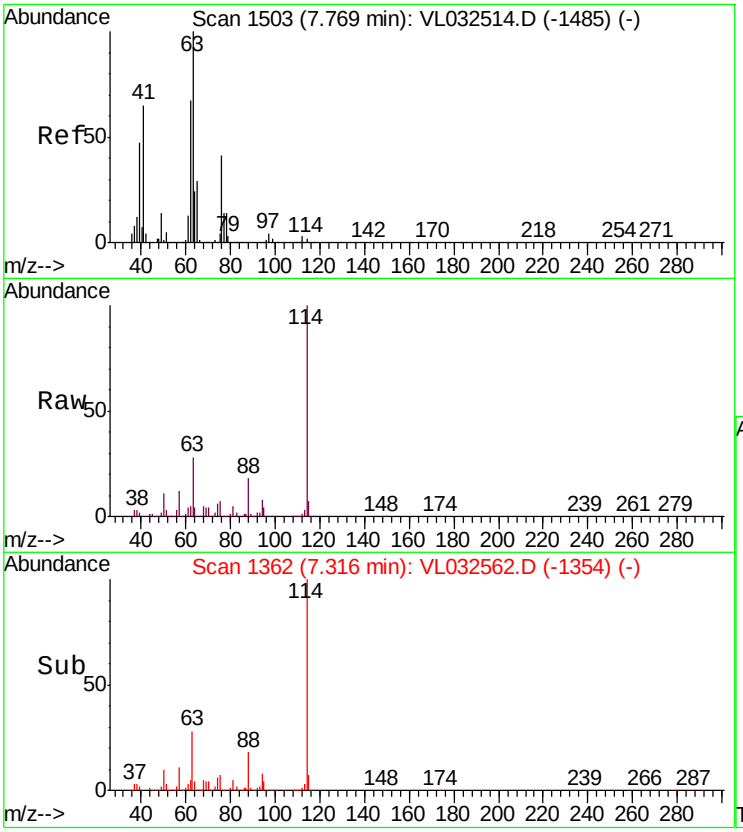


#36
Benzene
Concen: 0.067 ppbv
RT: 7.03 min Scan# 1272
Delta R.T. -0.03 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Tgt Ion: 78 Resp: 15527

Ion	Ratio	Lower	Upper
78	100		
77	17.0	18.4	27.6#
50	22.3	14.4	21.6#



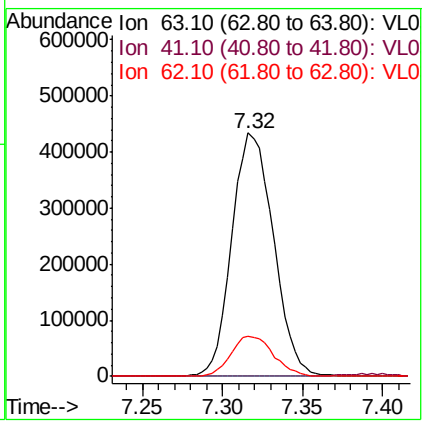


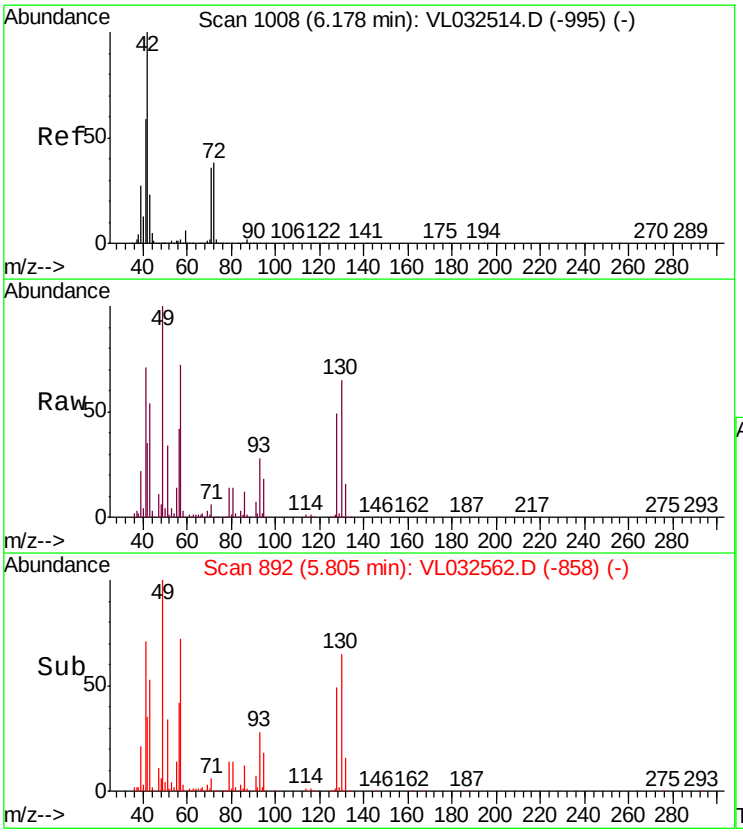
#39
1,2-Dichloropropane
Concen: 7.408 ppbv
RT: 7.32 min Scan# 1362
Delta R.T. -0.47 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Instrument : MSVOA_L
ClientSampleId : AA-1

Tgt Ion: 63 Resp: 770907

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.4	83.0#
62	16.4	55.4	83.0#

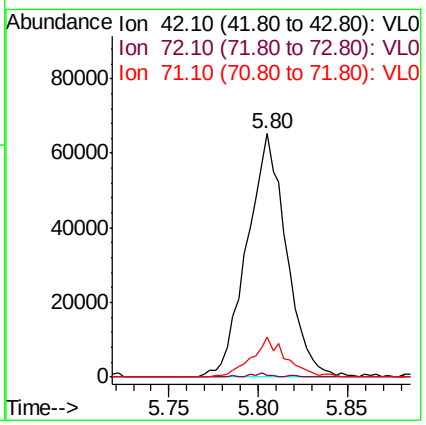


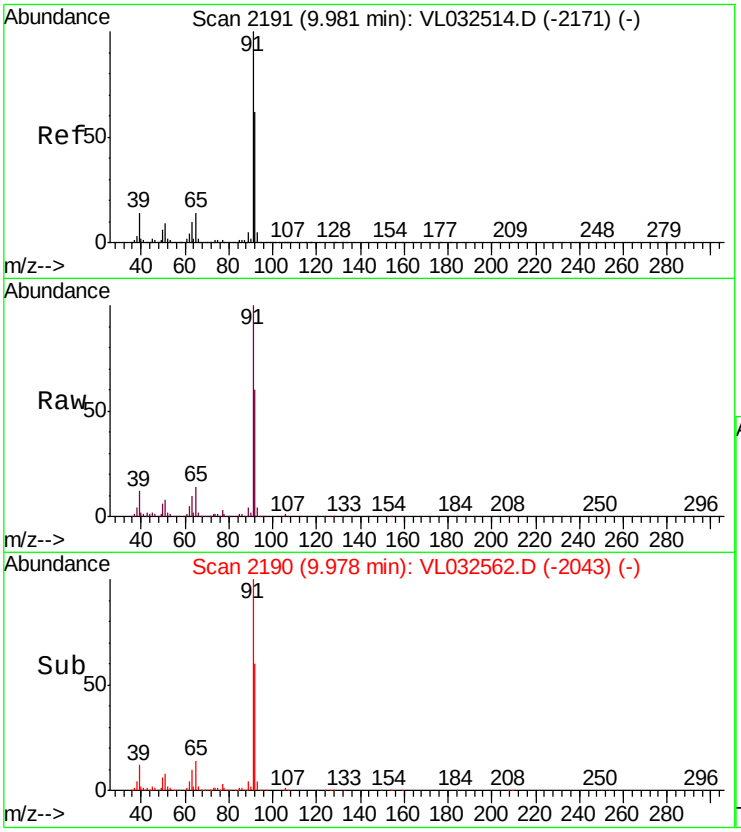


#41
Tetrahydrofuran
Concen: 1.085 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.39 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Tgt Ion: 42 Resp: 100263

Ion	Ratio	Lower	Upper
42	100		
72	1.2	29.5	44.3#
71	14.8	28.3	42.5#



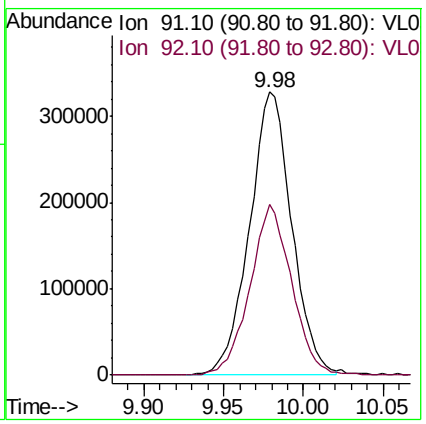


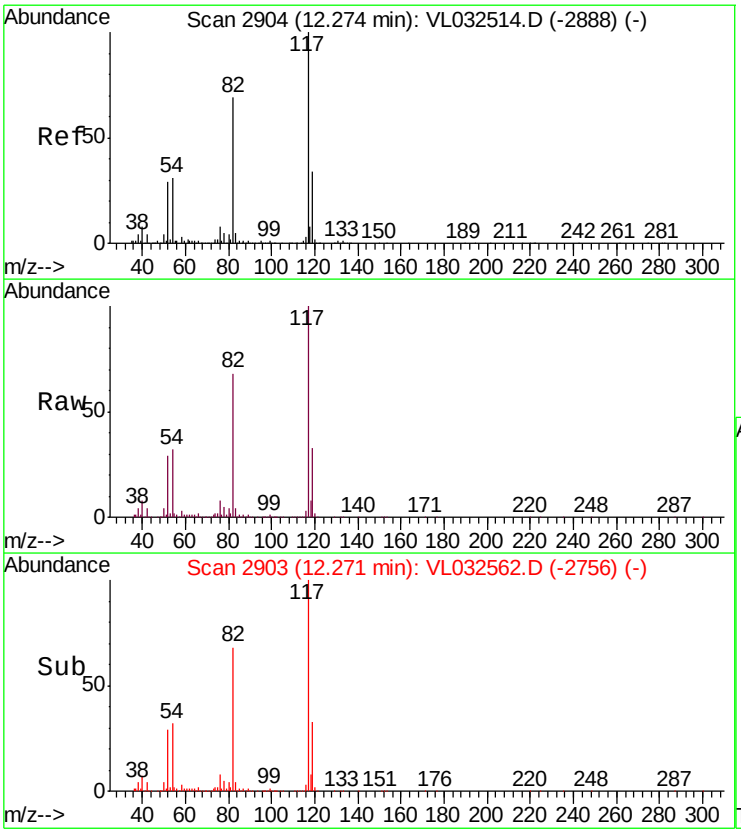
#53
Toluene
Concen: 2.116 ppbv
RT: 9.98 min Scan# 2190
Delta R.T. -0.03 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Instrument : MSVOA_L
ClientSampleId : AA-1

Tgt Ion: 91 Resp: 595354

Ion	Ratio	Lower	Upper
91	100		
92	59.6	48.1	72.1

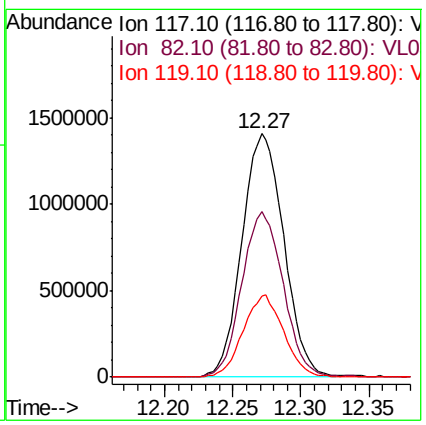


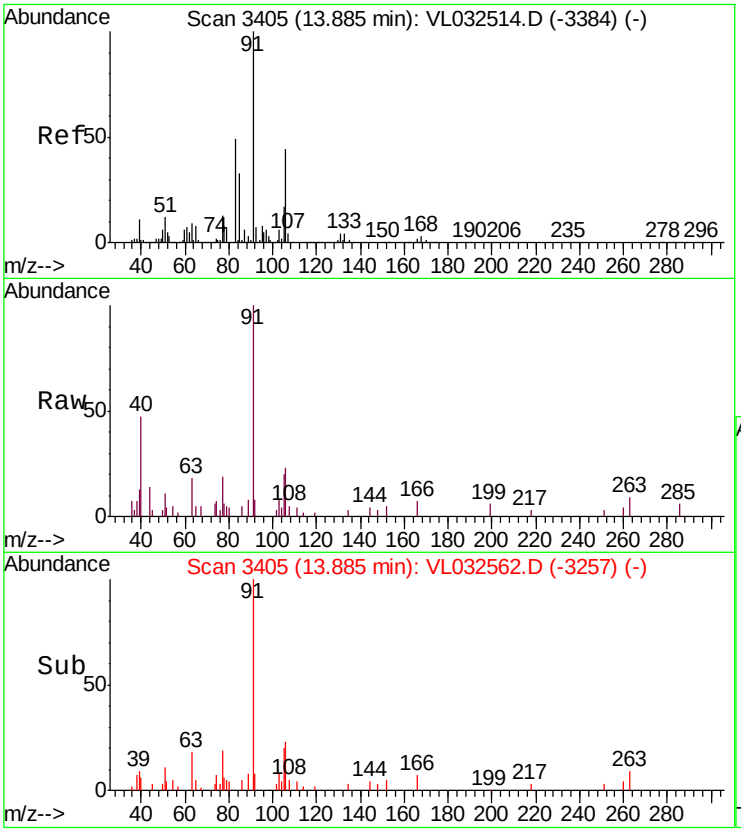


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Tgt Ion:117 Resp: 3005721

Ion	Ratio	Lower	Upper
117	100		
82	67.7	53.0	79.6
119	32.8	45.9	68.9#



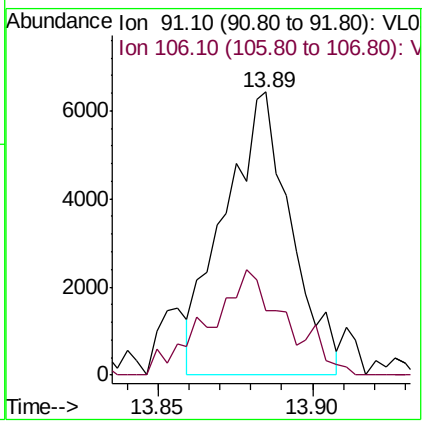


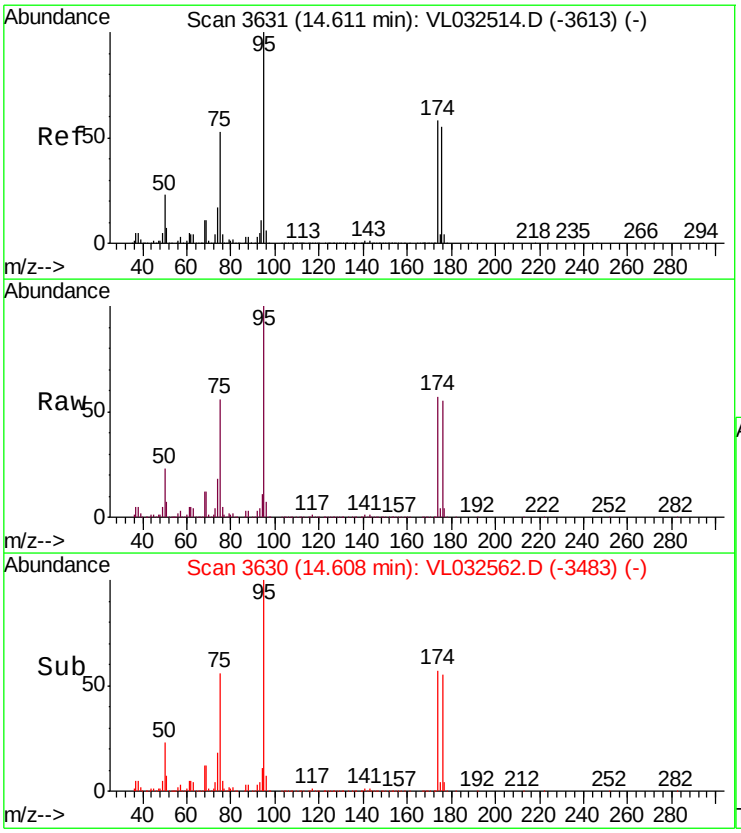
#60
o-Xylene
Concen: 0.030 ppbv
RT: 13.89 min Scan# 3405
Delta R.T. -0.02 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Instrument : MSVOA_L
ClientSampleId : AA-1

Tgt Ion: 91 Resp: 9616

Ion	Ratio	Lower	Upper
91	100		
106	43.5	21.9	65.7





#68
1-Bromo-4-Fluorobenzene
Concen: 9.504 ppbv
RT: 14.61 min Scan# 3630
Delta R.T. -0.03 min
Lab File: VL032562.D
Acq: 27 Sep 2018 23:25

Tgt Ion: 95 Resp: 2154284

Ion	Ratio	Lower	Upper
95	100		
174	58.3	46.3	69.5
175	4.1	3.4	5.0