Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL103018\

Quantitation Report (Not Reviewed)

Data File : VL032702.D
Acq On : 30 Oct 2018 17:23
Operator : SY/AP
Sample : J5702-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : FIA-1D

Quant Time: Oct 31 05:09:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 25 05:15:43 2018
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.78	49	1384952	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.31	114	3377591	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.26	117	3194707	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2359132	9.92	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	74430	0.527	ppbv		92
3) Chlorodifluoromethane	3.02	51	8517040	78.636	ppbv		96
4) Chloromethane	3.18	50	29260	0.483	ppbv		93
9) Propene	3.25	41	5373399	120.554	ppbv		97
10) Heptane	8.27	43	21304	0.124	ppbv		89
11) Trichlorofluoromethane	4.02	101	42794	0.232	ppbv		92
13) Ethanol	3.67	45	469907	36.886	ppbv		98
15) Acetone	3.91	43	19464775	152.200	ppbv	#	73
16) 1,3-Butadiene	3.40	39	1290756	27.436	ppbv	#	1
17) tert-Butyl alcohol	4.38	59	6773	0.180	ppbv	#	100
19) Isopropyl Alcohol	4.04	45	4573165	50.212	ppbv	#	93
20) Methylene Chloride	4.43	84	80001	1.232	ppbv		94
21) Allyl Chloride	4.20	41	237575	2.263	ppbv	#	53
25) Ethyl Acetate	5.78	43	435088	1.478	ppbv	#	93
26) Hexane	5.79	57	67725	0.486	ppbv	#	1
29) Chloroform	5.87	83	25579	0.115	ppbv		99
30) Cyclohexane	7.26	84	7593	0.069	ppbv	#	1
31) cis-1,2-Dichloroethene	5.78	61	27023	0.209	ppbv	#	28
34) 2-Butanone	5.35	43	90657	0.501	ppbv		98
35) Carbon Tetrachloride	7.16	117	9593	0.040	ppbv	#	63
36) Benzene	7.03	78	79566	0.290	ppbv	#	91
37) 1,2-Dichloroethane	6.43	62	27233	0.162	ppbv	#	80
39) 1,2-Dichloropropane	7.31	63	846510	7.992	ppbv	#	26
44) 2,2,4-Trimethylpentane	8.01	57	52540	0.112	ppbv	#	61
51) 2-Hexanone	9.95	43	4126920	20.697	ppbv	#	28
53) Toluene	9.97	91	657094	2.090	ppbv		99
58) Ethyl Benzene	13.15	91	11779	0.032	ppbv		99
59) m/p-Xylene	13.17	91	9964	0.030	ppbv	#	31

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

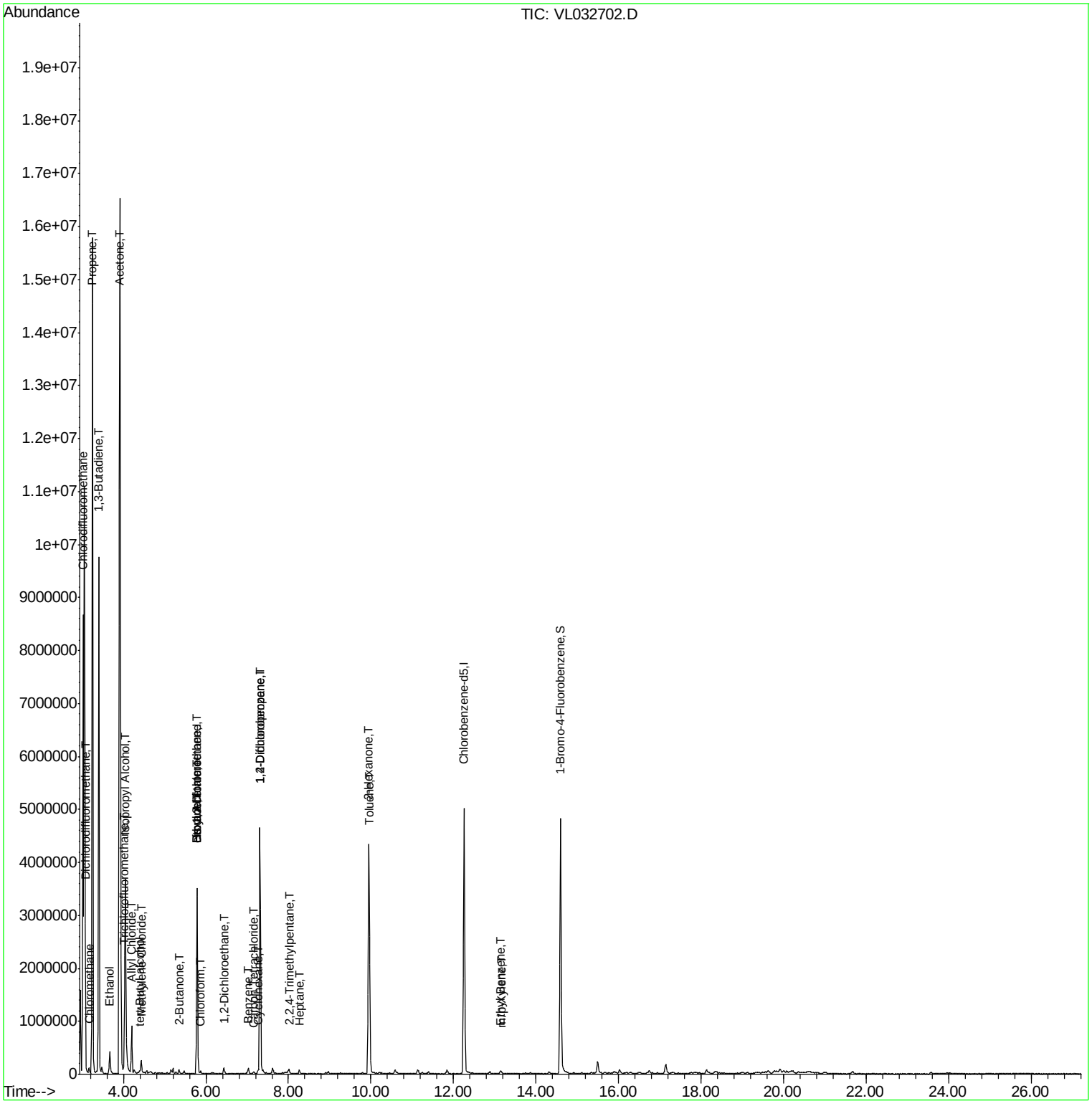
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL103018\

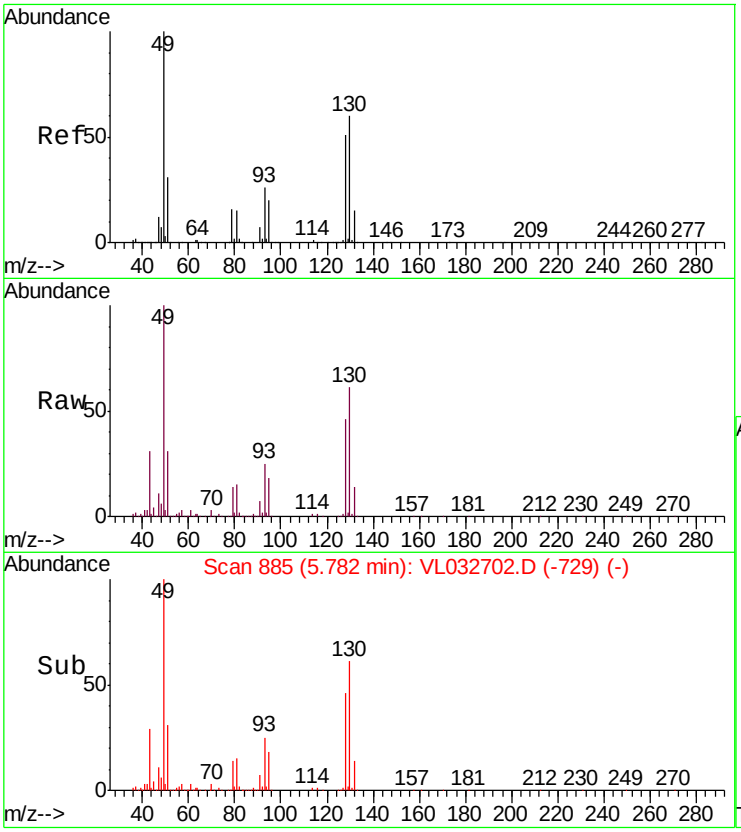
Quantitation Report (Not Reviewed)

Data File : VL032702.D
Acq On : 30 Oct 2018 17:23
Operator : SY/AP
Sample : J5702-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : FIA-1D

Quant Time: Oct 31 05:09:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 25 05:15:43 2018
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration



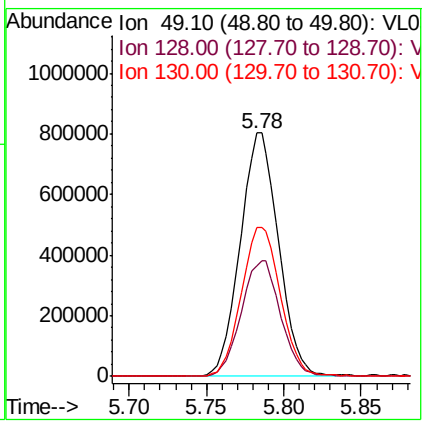


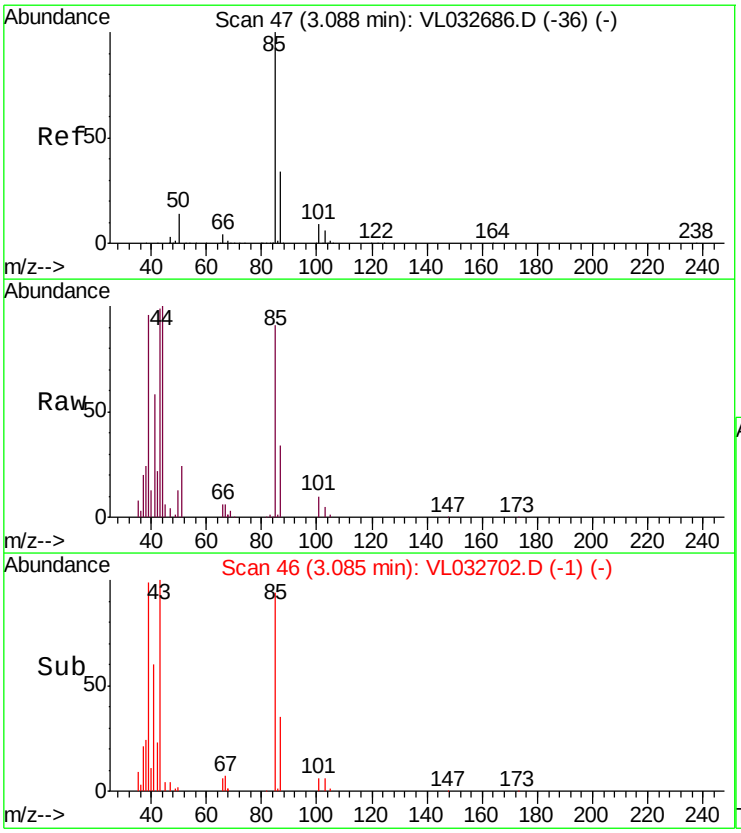
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Instrument :
MSVOA_L
ClientSampleId :
FIA-1D

Tgt Ion: 49 Resp: 1384952

Ion	Ratio	Lower	Upper
49	100		
128	48.7	22.3	66.8
130	62.7	28.4	85.3

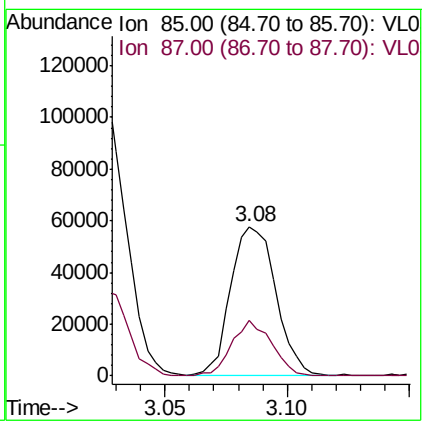


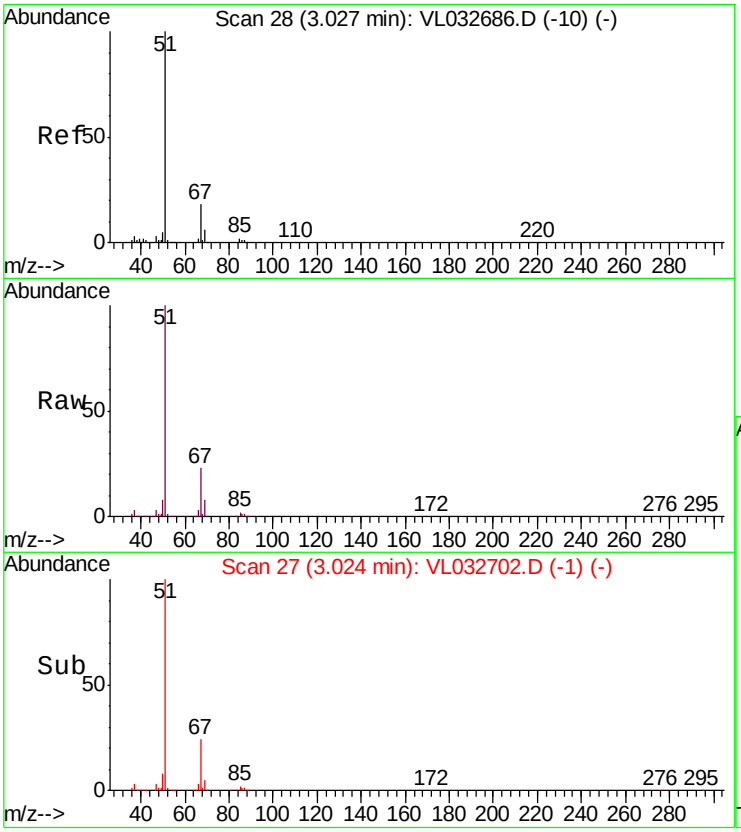


#2
Dichlorodifluoromethane
Concen: 0.527 ppbv
RT: 3.08 min Scan# 46
Delta R.T. -0.00 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Tgt Ion: 85 Resp: 74430

Ion	Ratio	Lower	Upper
85	100		
87	37.2	26.2	39.2



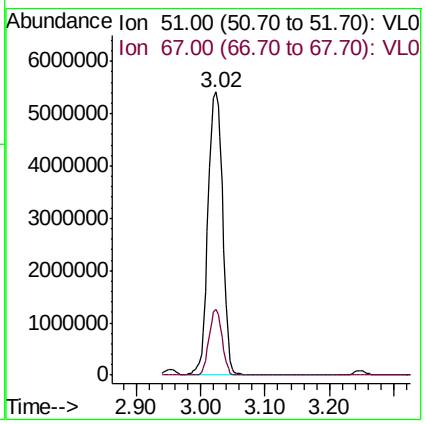


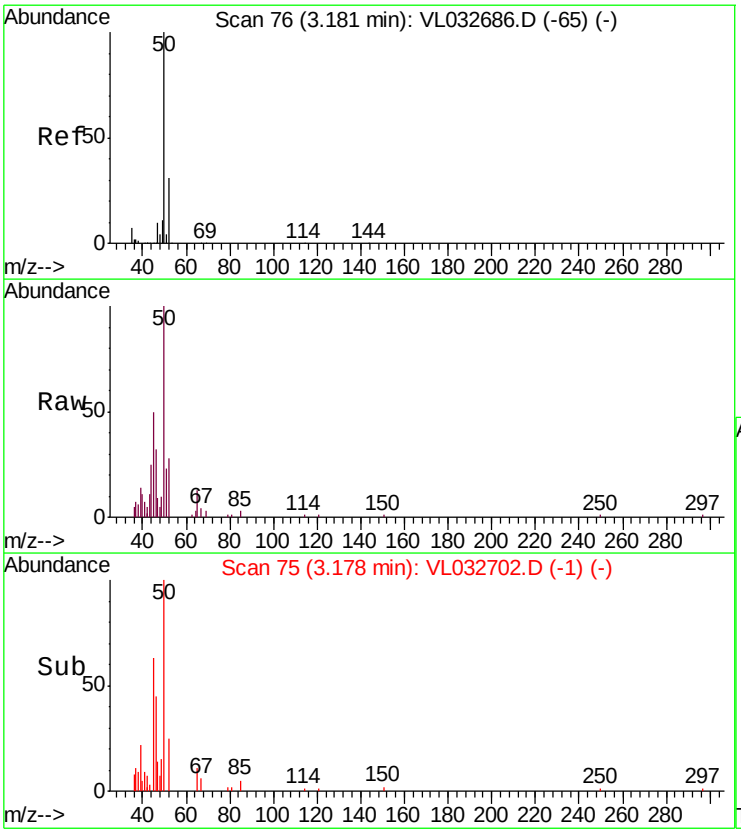
#3
Chlorodifluoromethane
Concen: 78.636 ppbv
RT: 3.02 min Scan# 27
Delta R.T. -0.00 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Instrument :
MSVOA_L
ClientSampleId :
FIA-1D

Tgt Ion: 51 Resp: 8517040

Ion	Ratio	Lower	Upper
51	100		
67	20.7	15.2	22.8

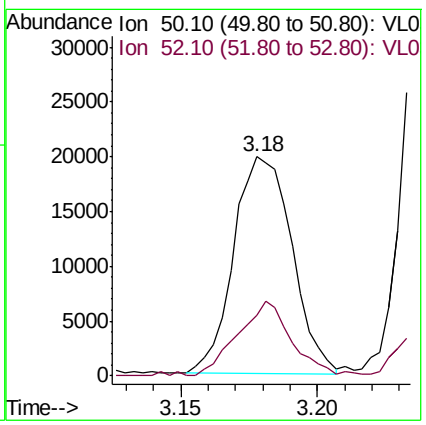


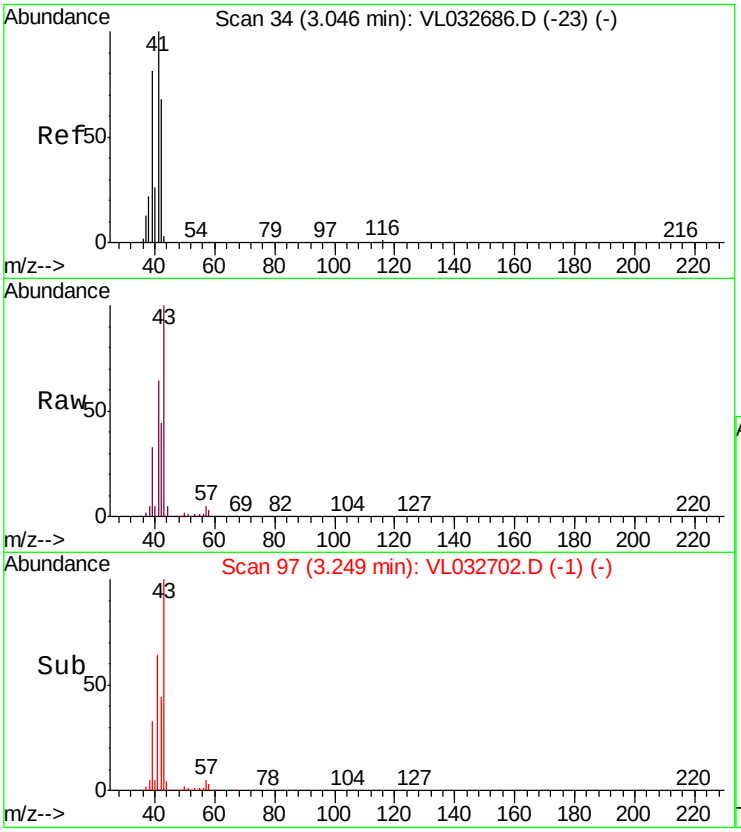


#4
Chloromethane
Concen: 0.483 ppbv
RT: 3.18 min Scan# 75
Delta R.T. -0.00 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Tgt Ion: 50 Resp: 29260

Ion	Ratio	Lower	Upper
50	100		
52	28.4	25.9	38.9



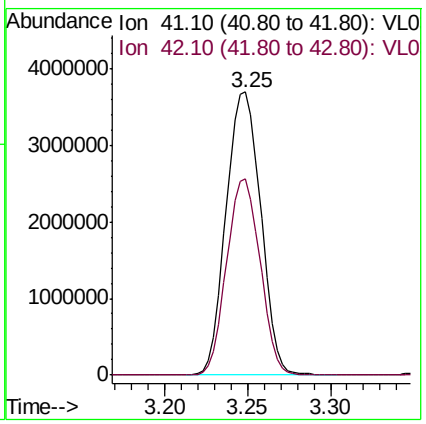


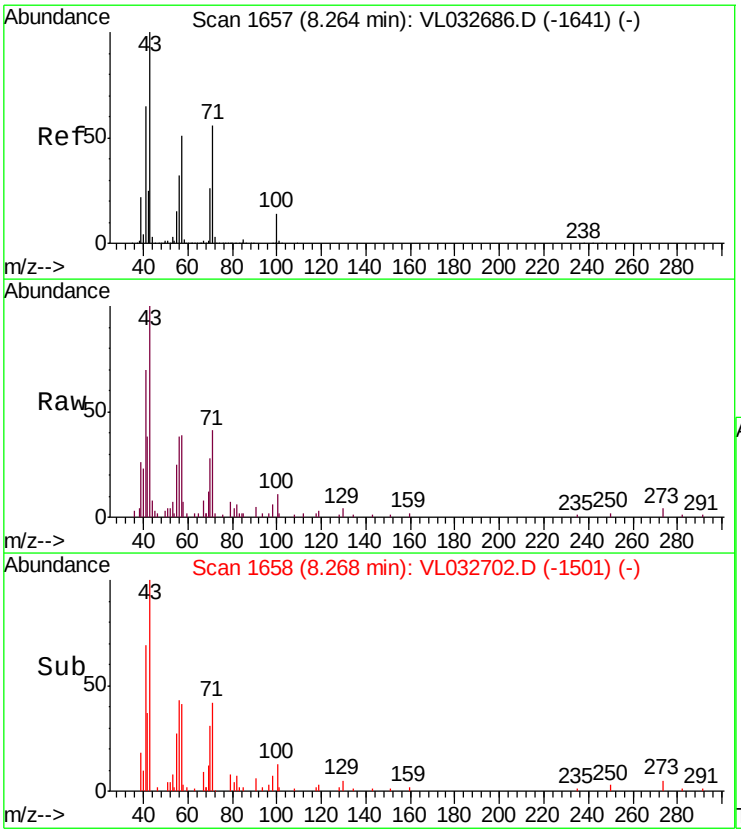
#9
Propene
Concen: 120.554 ppbv
RT: 3.25 min Scan# 97
Delta R.T. 0.21 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Instrument :
MSVOA_L
ClientSampleId :
FIA-1D

Tgt Ion: 41 Resp: 5373399

Ion	Ratio	Lower	Upper
41	100		
42	67.2	55.4	83.0

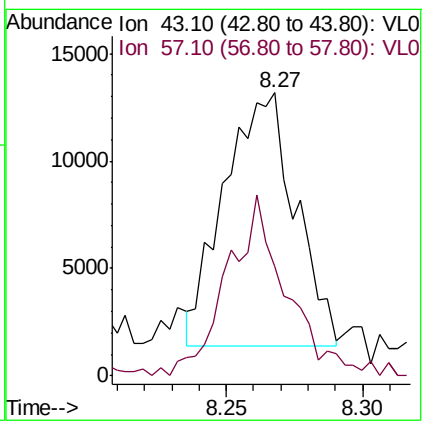


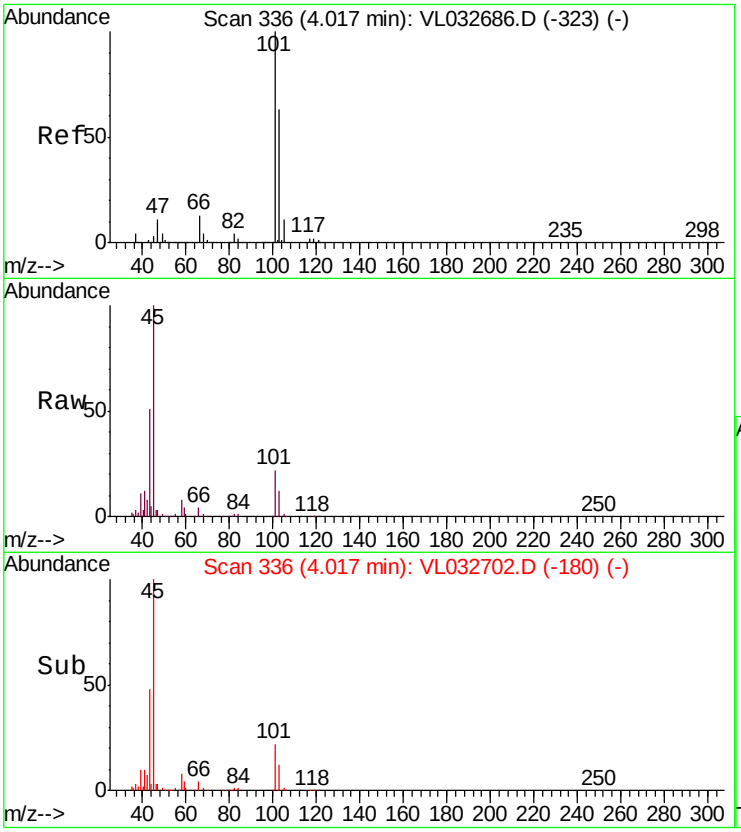


#10
Heptane
Concen: 0.124 ppbv
RT: 8.27 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Tgt Ion: 43 Resp: 21304

Ion	Ratio	Lower	Upper
43	100		
57	59.7	41.5	62.3



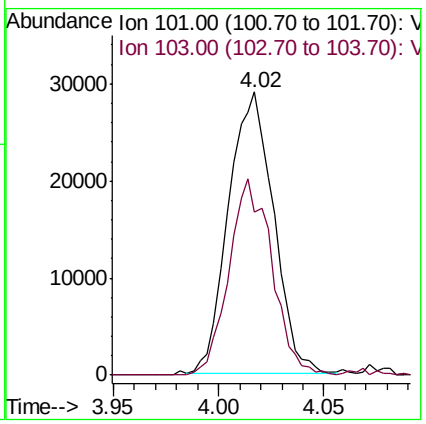


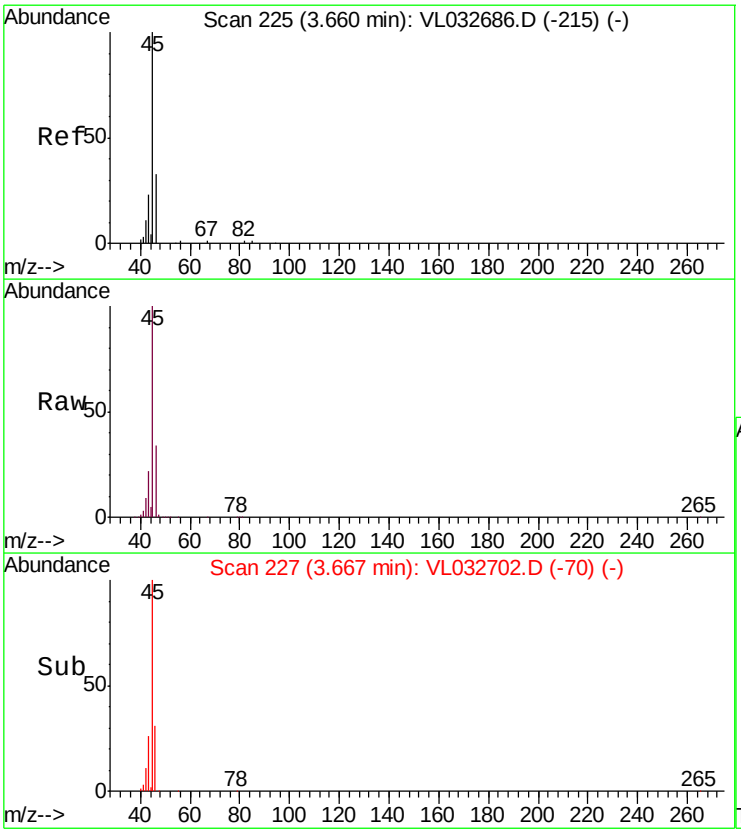
#11
Trichlorofluoromethane
Concen: 0.232 ppbv
RT: 4.02 min Scan# 336
Delta R.T. 0.00 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Instrument :
MSVOA_L
ClientSampleId :
FIA-1D

Tgt Ion:101 Resp: 42794

Ion	Ratio	Lower	Upper
101	100		
103	57.9	51.4	77.2

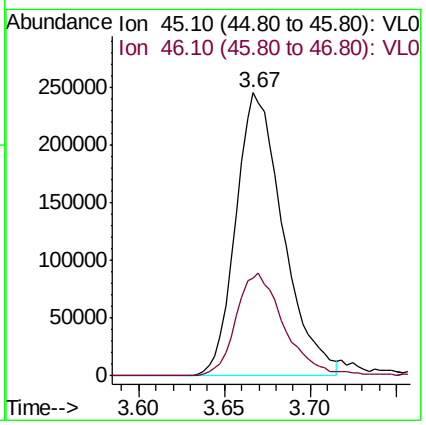


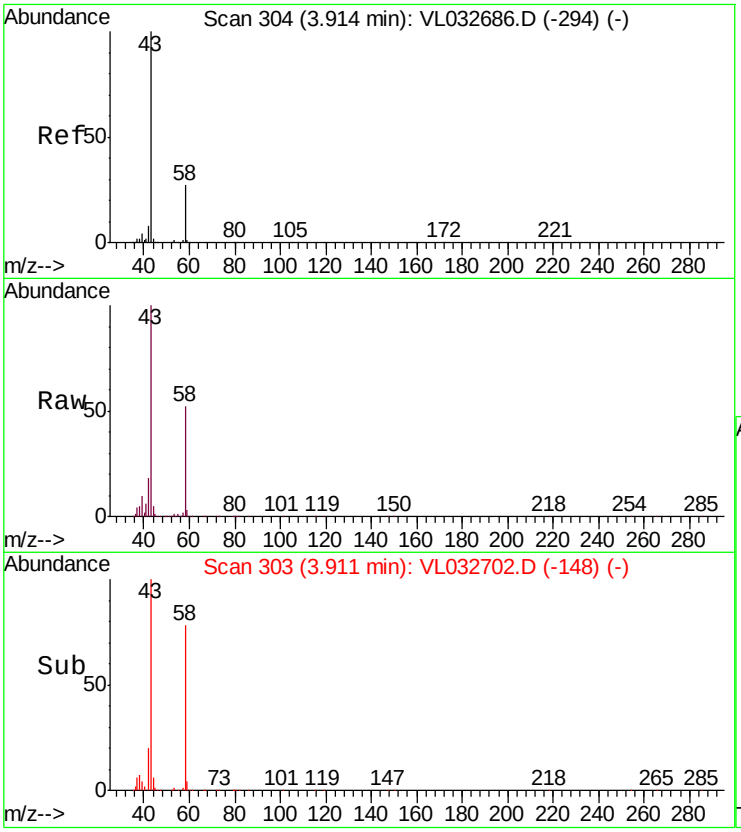


#13
Ethanol
Concen: 36.886 ppbv
RT: 3.67 min Scan# 227
Delta R.T. 0.01 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Tgt Ion: 45 Resp: 469907

Ion	Ratio	Lower	Upper
45	100		
46	37.3	15.4	61.8



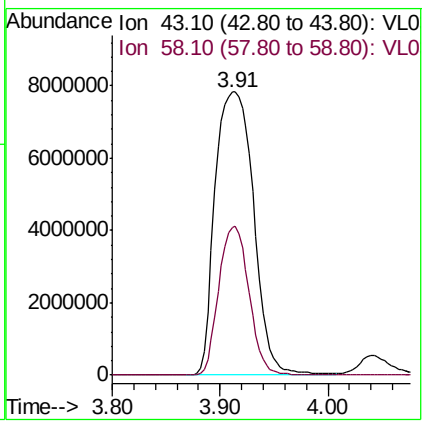


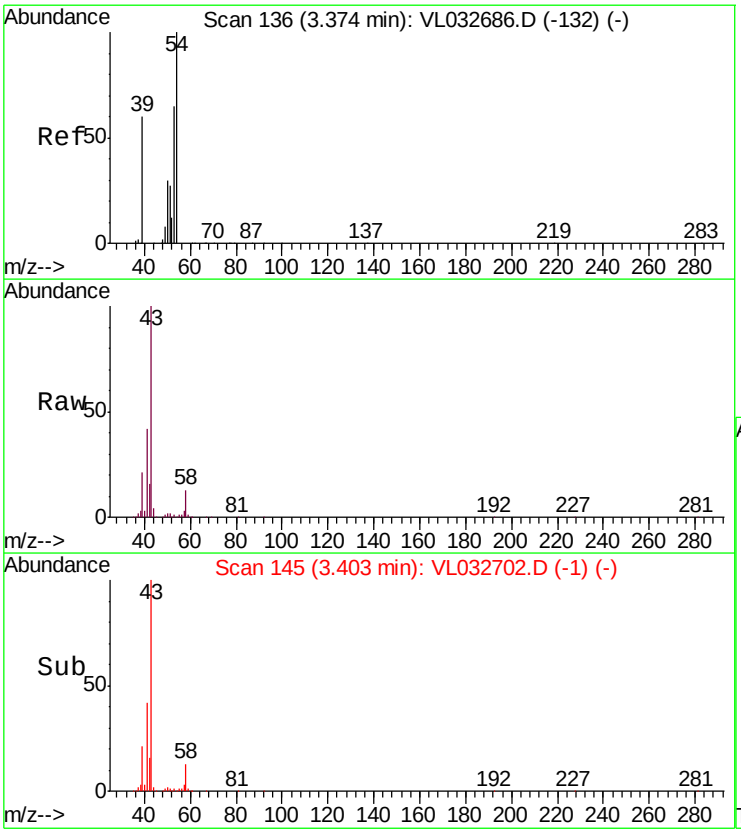
#15
Acetone
Concen: 152.200 ppbv
RT: 3.91 min Scan# 303
Delta R.T. -0.00 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Instrument :
MSVOA_L
ClientSampleId :
FIA-1D

Tgt Ion: 43 Resp:19464775

Ion	Ratio	Lower	Upper
43	100		
58	41.5	22.1	33.1#

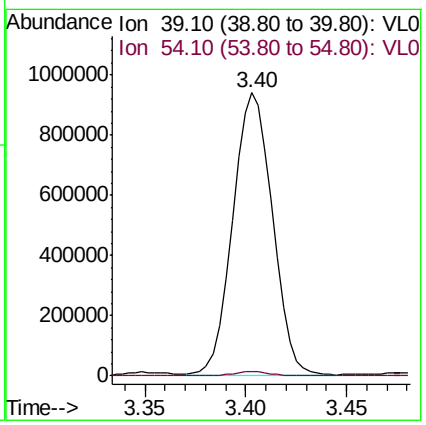


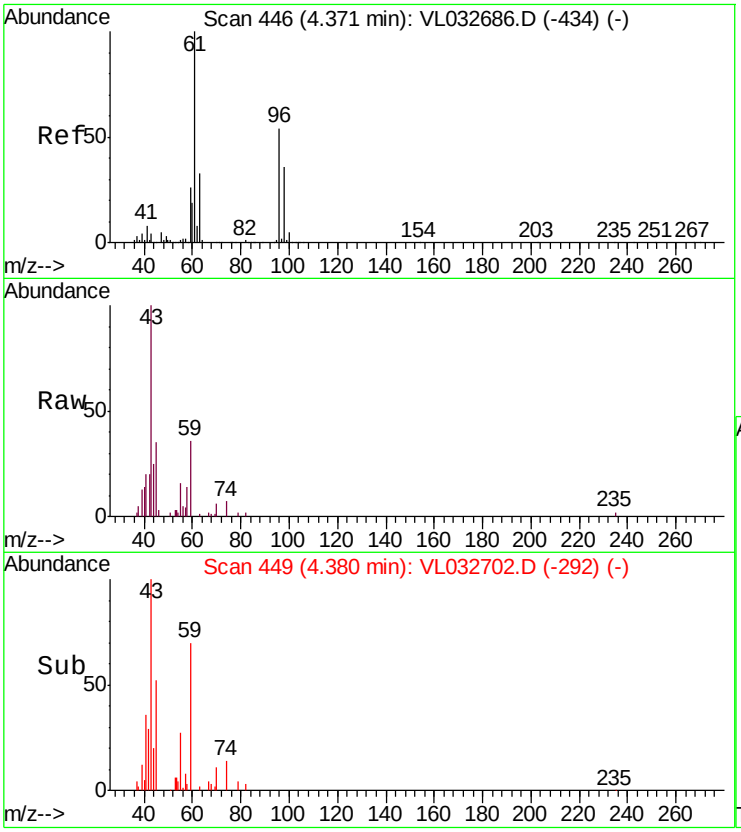


#16
1,3-Butadiene
Concen: 27.436 ppbv
RT: 3.40 min Scan# 145
Delta R.T. 0.03 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Tgt Ion: 39 Resp: 1290756

Ion	Ratio	Lower	Upper
39	100		
54	1.9	90.4	135.6#



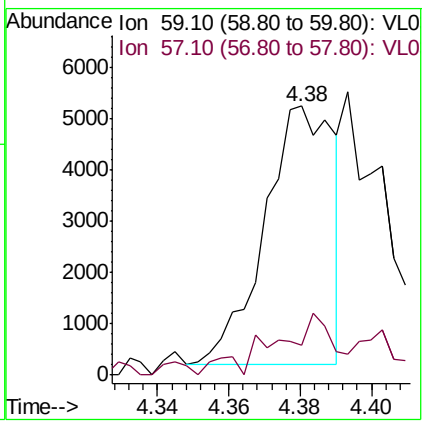


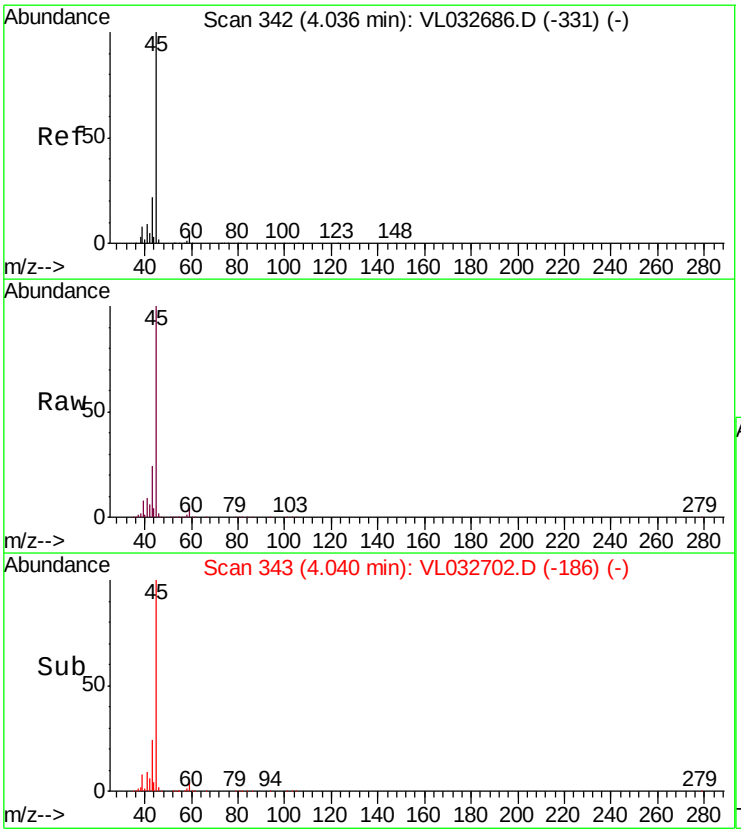
#17
tert-Butyl alcohol
Concen: 0.180 ppbv
RT: 4.38 min Scan# 449
Delta R.T. 0.01 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Instrument :
MSVOA_L
ClientSampleId :
FIA-1D

Tgt Ion: 59 Resp: 6773

Ion	Ratio	Lower	Upper
59	100		
57	944.5	0.0	0.0#

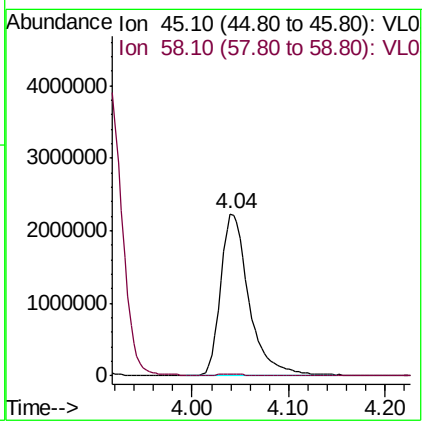


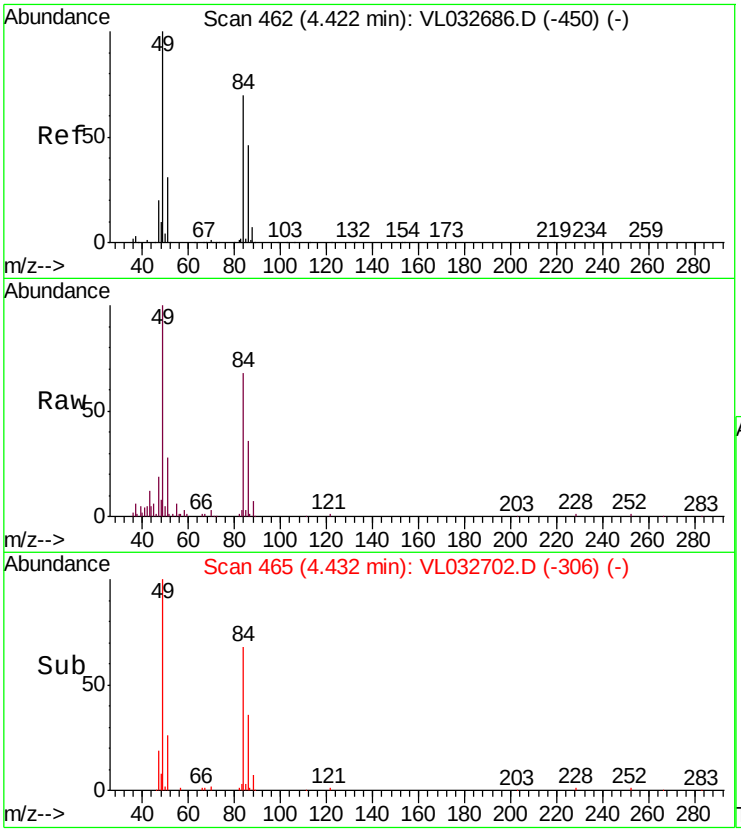


#19
Isopropyl Alcohol
Concen: 50.212 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.01 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Tgt Ion: 45 Resp: 4573165

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#



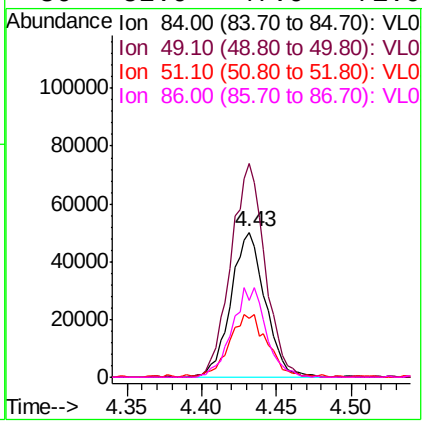


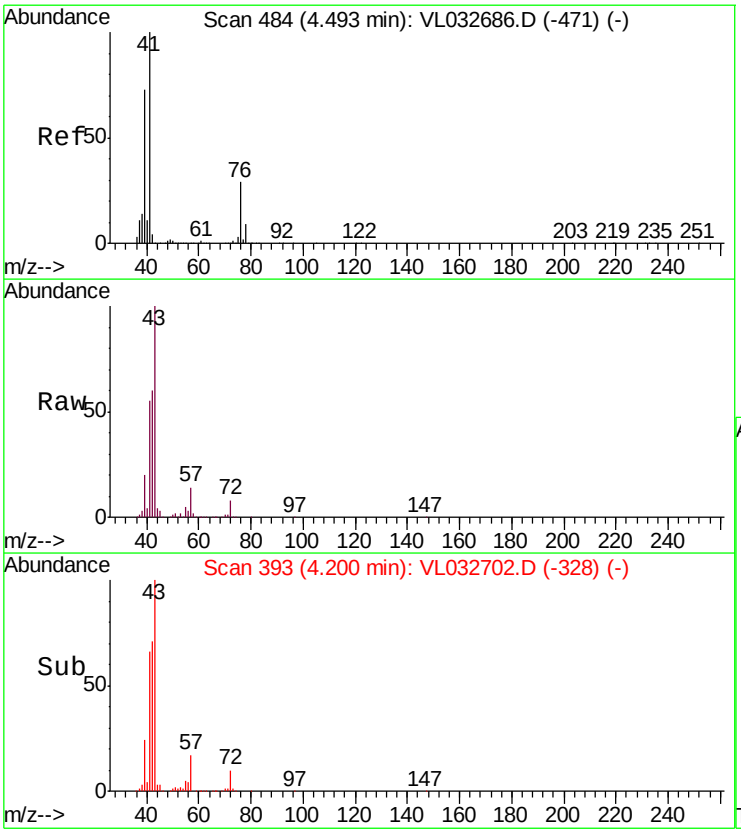
#20
Methylene Chloride
Concen: 1.232 ppbv
RT: 4.43 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Instrument : MSVOA_L
ClientSampleId : FIA-1D

Tgt Ion: 84 Resp: 80001

Ion	Ratio	Lower	Upper
84	100		
49	147.6	113.5	170.3
51	41.2	34.8	52.2
86	52.9	47.9	71.9

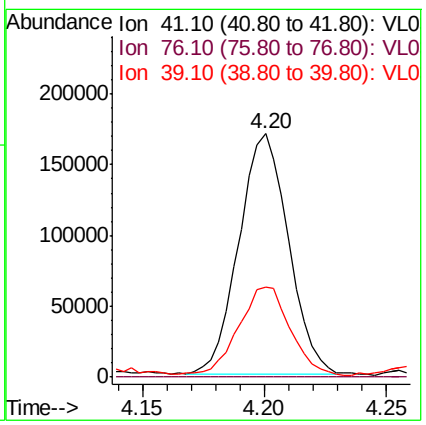


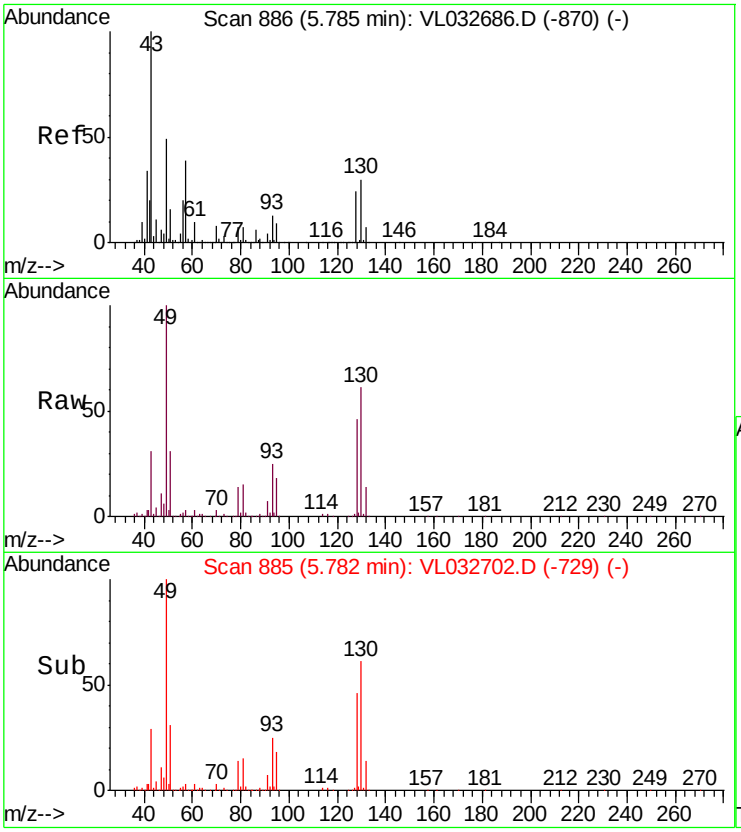


#21
Allyl Chloride
Concen: 2.263 ppbv
RT: 4.20 min Scan# 393
Delta R.T. -0.29 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Tgt Ion: 41 Resp: 237575

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.3	36.5#
39	38.0	60.3	90.5#



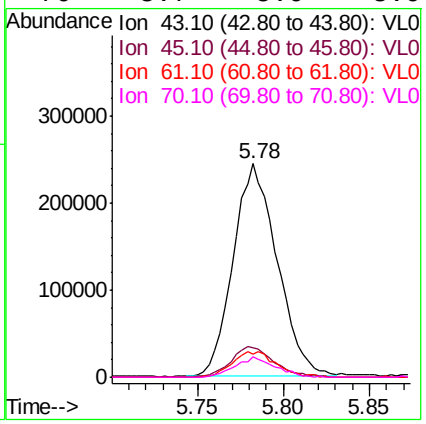


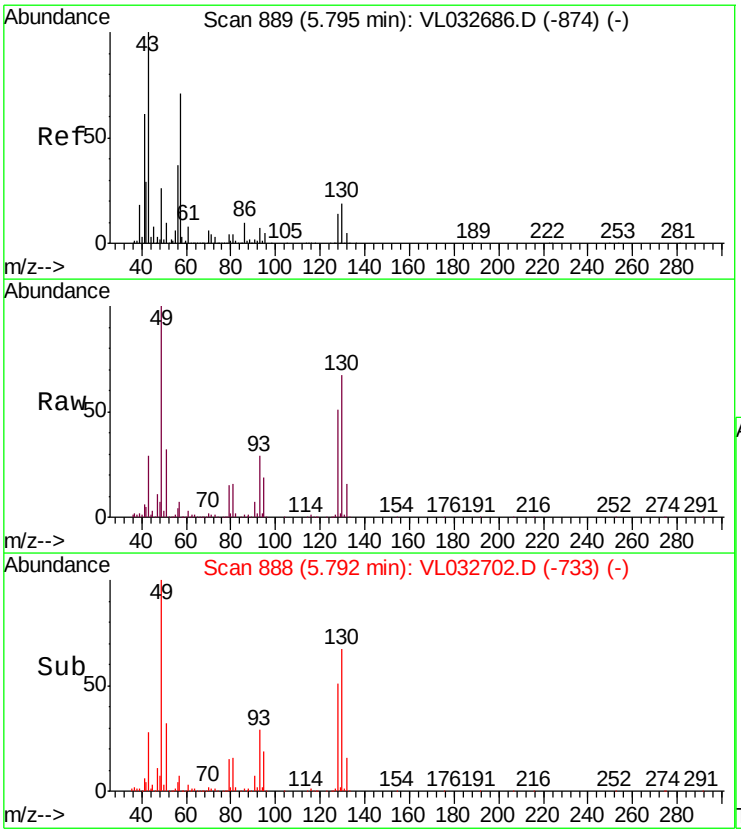
#25
Ethyl Acetate
Concen: 1.478 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Instrument : MSVOA_L
ClientSampleId : FIA-1D

Tgt Ion: 43 Resp: 435088

Ion	Ratio	Lower	Upper
43	100		
45	14.3	8.0	12.0#
61	12.1	8.0	12.0#
70	8.7	5.9	8.9

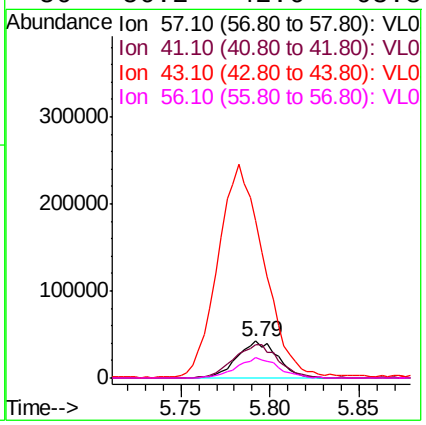


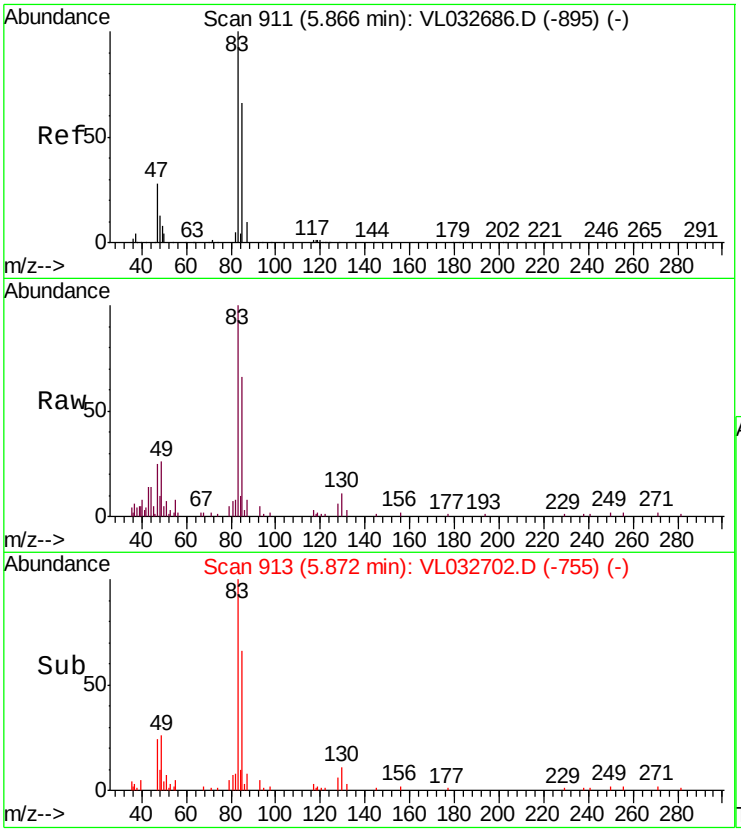


#26
Hexane
Concen: 0.486 ppbv
RT: 5.79 min Scan# 888
Delta R.T. -0.00 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Tgt Ion: 57 Resp: 67725

Ion	Ratio	Lower	Upper
57	100		
41	101.5	67.4	101.0#
43	653.4	171.9	257.9#
56	56.2	42.6	63.8



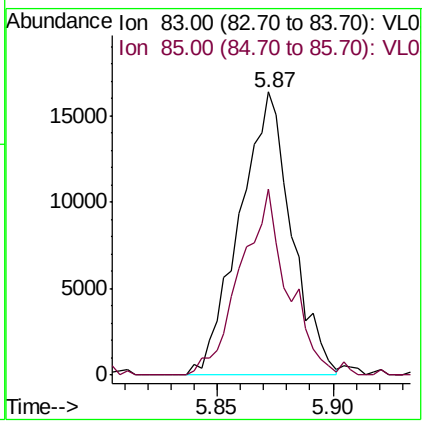


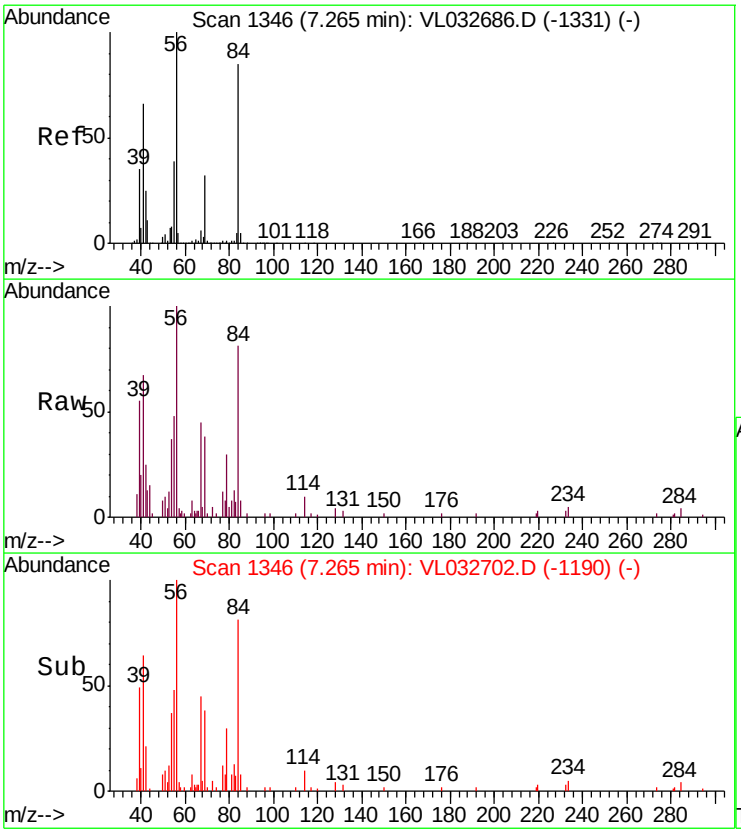
#29
Chloroform
Concen: 0.115 ppbv
RT: 5.87 min Scan# 913
Delta R.T. 0.01 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Instrument :
MSVOA_L
ClientSampleId :
FIA-1D

Tgt Ion: 83 Resp: 25579

Ion	Ratio	Lower	Upper
83	100		
85	65.6	53.0	79.6

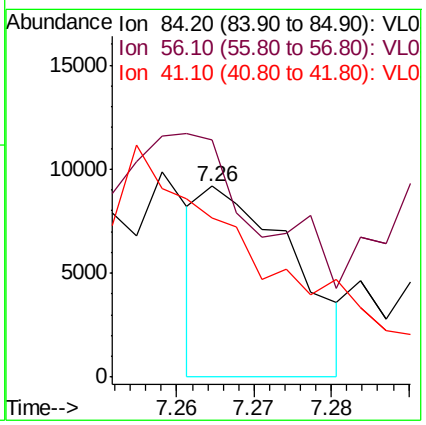


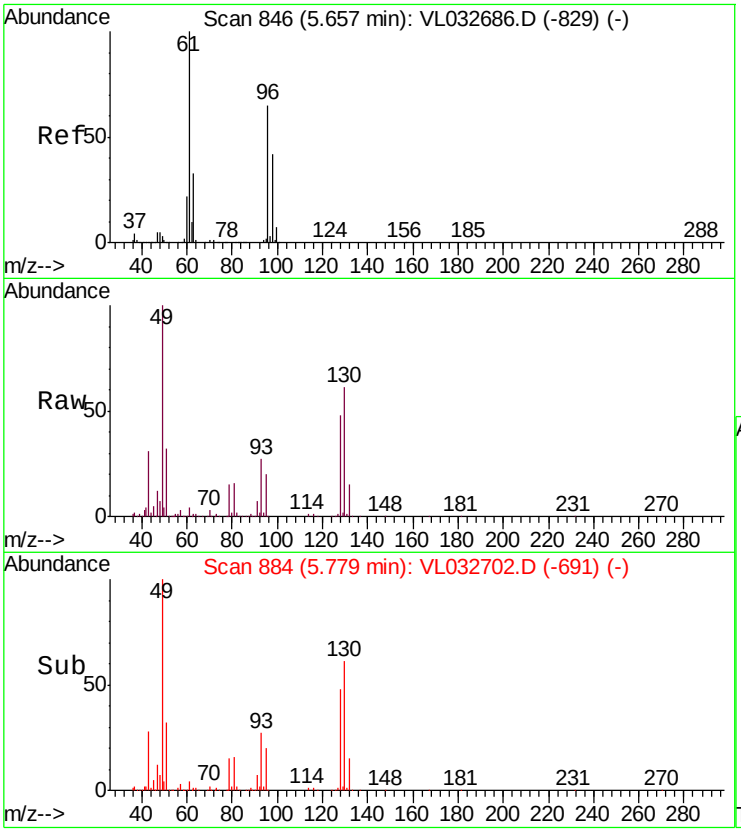


#30
Cyclohexane
Concen: 0.069 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Tgt Ion: 84 Resp: 7593

Ion	Ratio	Lower	Upper
84	100		
56	278.9	108.3	162.5#
41	0.0	64.8	97.2#



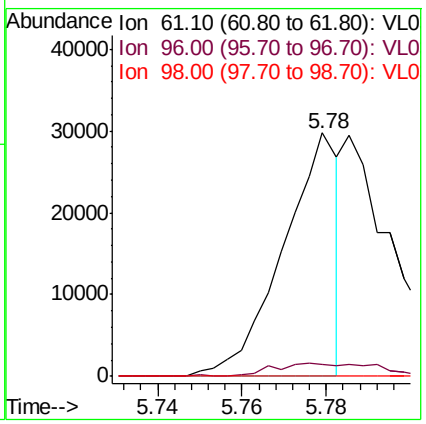


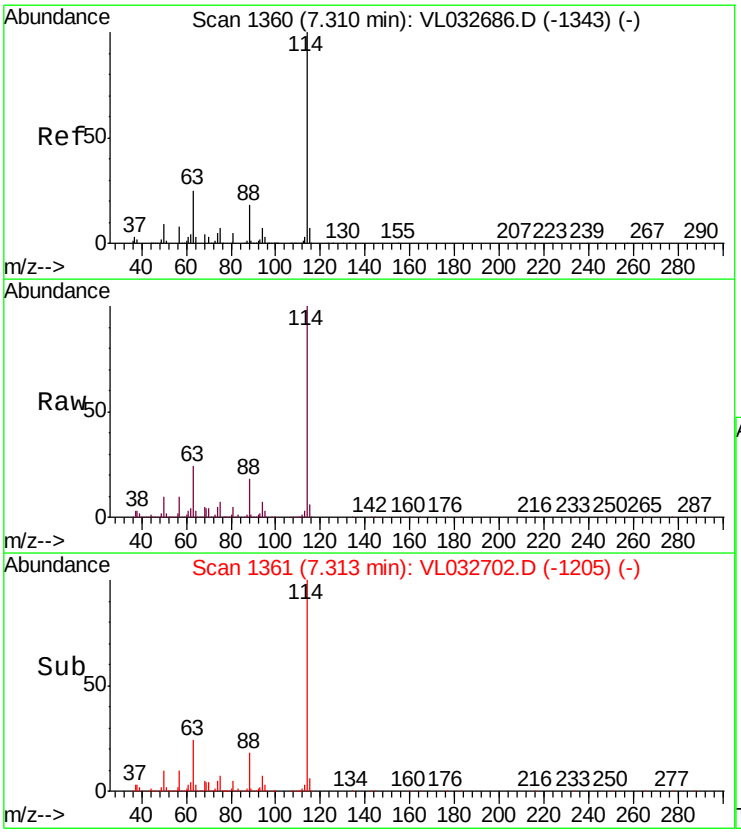
#31
cis-1,2-Dichloroethene
Concen: 0.209 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.12 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Instrument :
MSVOA_L
ClientSampleId :
FIA-1D

Tgt Ion: 61 Resp: 27023

Ion	Ratio	Lower	Upper
61	100		
96	5.1	51.8	77.6#
98	0.0	33.8	50.6#

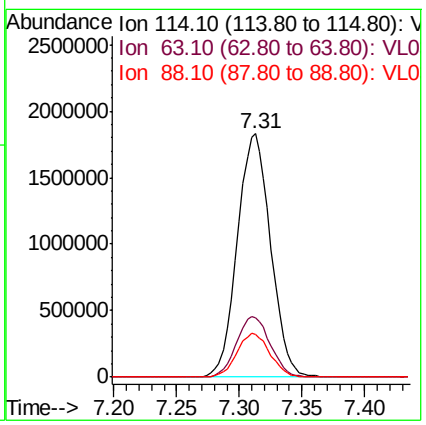


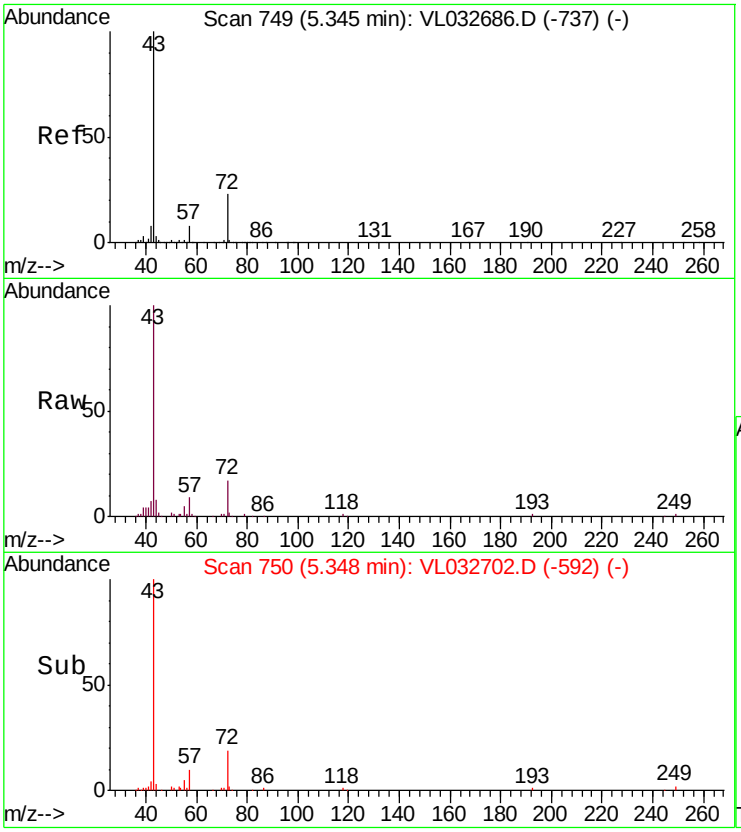


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.31 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Tgt Ion:114 Resp: 3377591

Ion	Ratio	Lower	Upper
114	100		
63	25.3	21.7	32.5
88	17.7	14.9	22.3



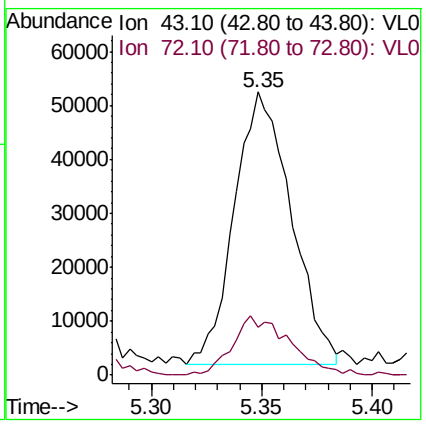


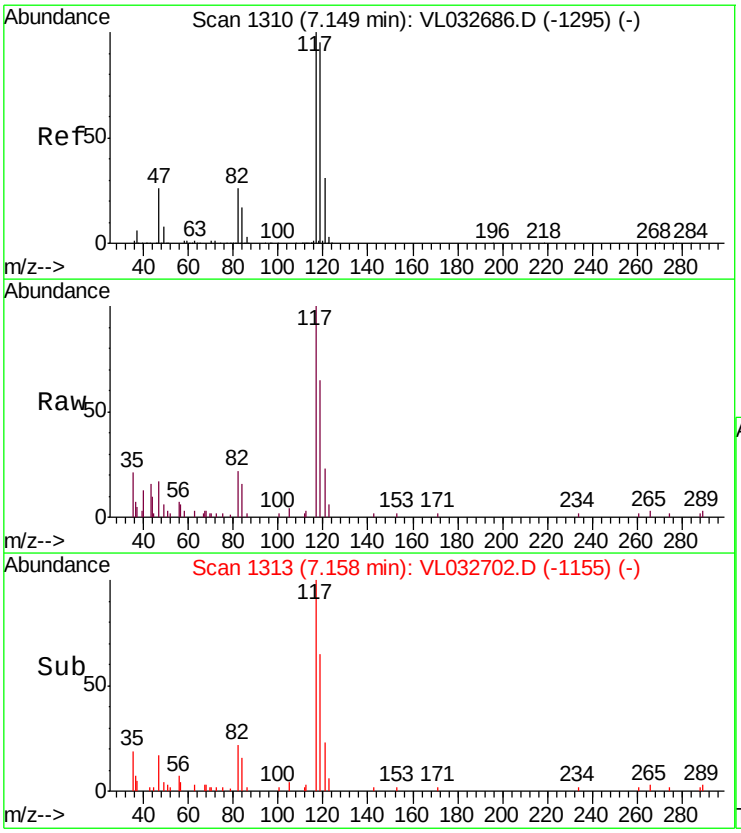
#34
2-Butanone
Concen: 0.501 ppbv
RT: 5.35 min Scan# 750
Delta R.T. 0.01 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Instrument : MSVOA_L
ClientSampleId : FIA-1D

Tgt Ion: 43 Resp: 90657

Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.6	27.8

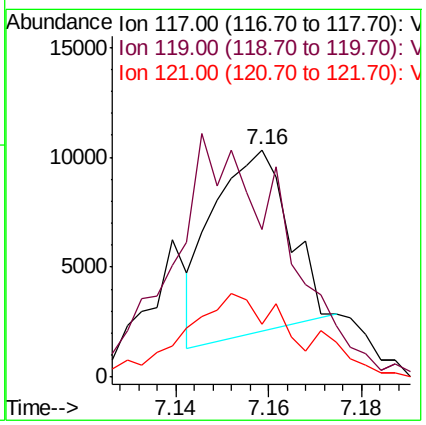


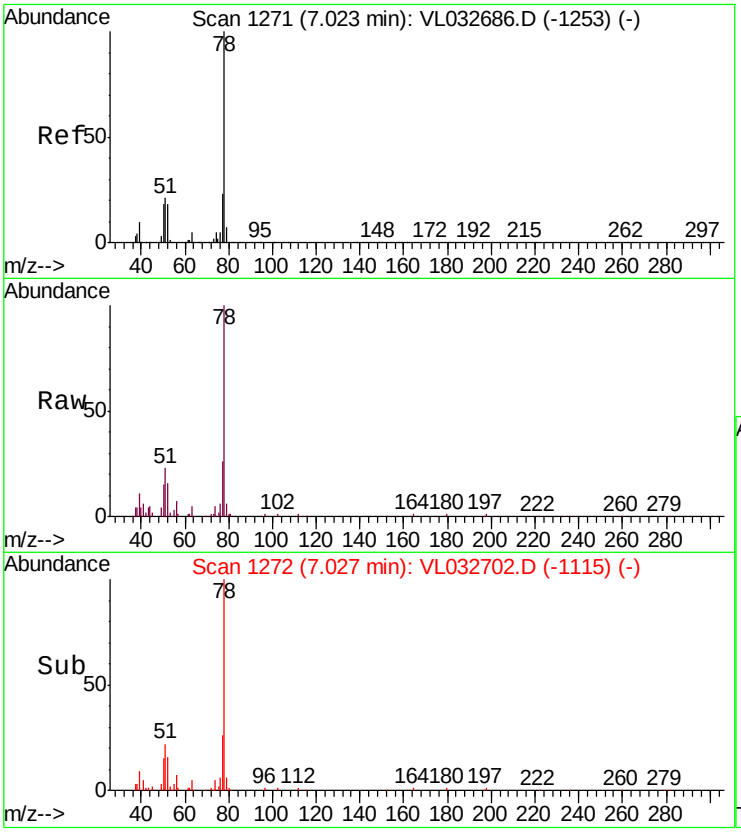


#35
Carbon Tetrachloride
Concen: 0.040 ppbv
RT: 7.16 min Scan# 1313
Delta R.T. 0.01 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Tgt Ion:117 Resp: 9593

Ion	Ratio	Lower	Upper
117	100		
119	58.3	75.7	113.5#
121	10.5	24.7	37.1#



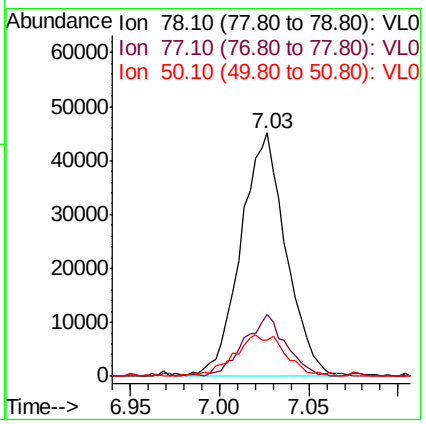


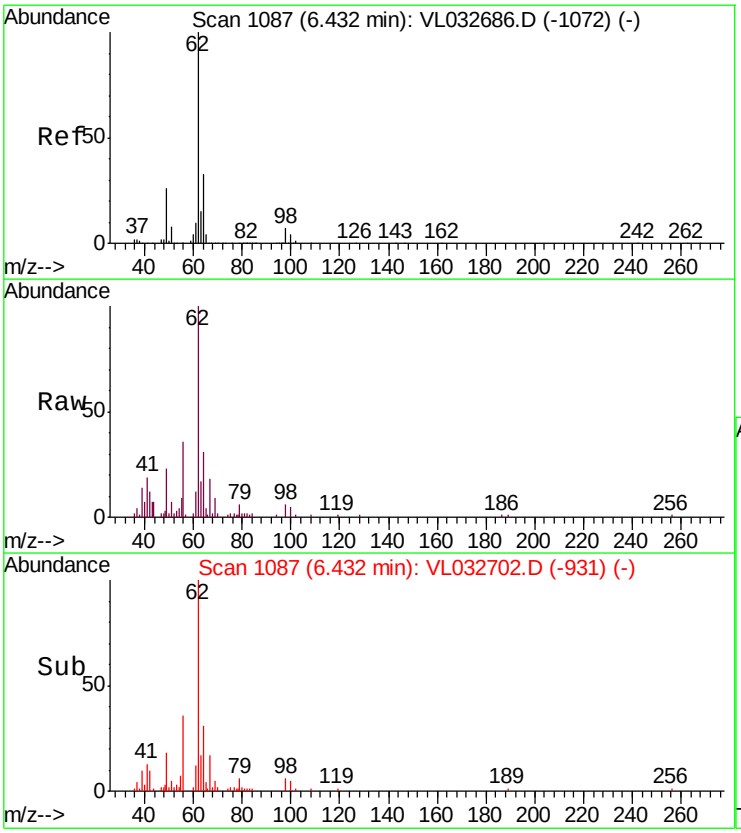
#36
Benzene
Concen: 0.290 ppbv
RT: 7.03 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Instrument :
MSVOA_L
ClientSampleId :
FIA-1D

Tgt Ion: 78 Resp: 79566

Ion	Ratio	Lower	Upper
78	100		
77	25.5	18.1	27.1
50	13.7	15.1	22.7#

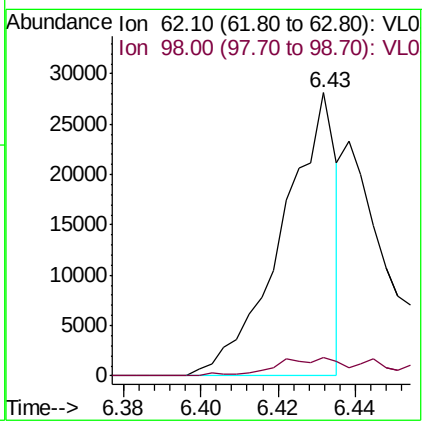


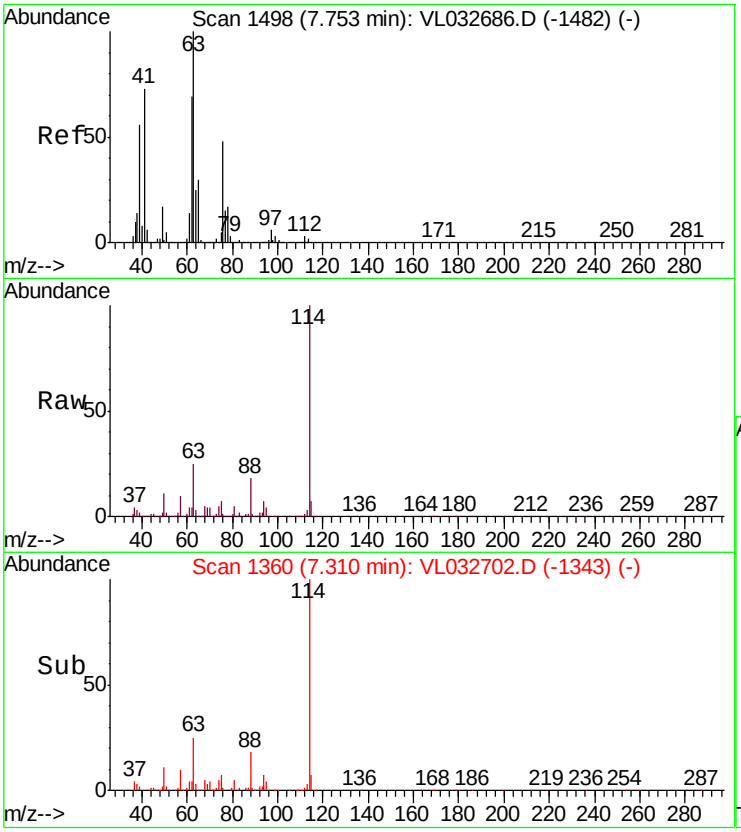


#37
1,2-Dichloroethane
Concen: 0.162 ppbv
RT: 6.43 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Tgt Ion: 62 Resp: 27233

Ion	Ratio	Lower	Upper
62	100		
98	12.3	4.4	6.6#



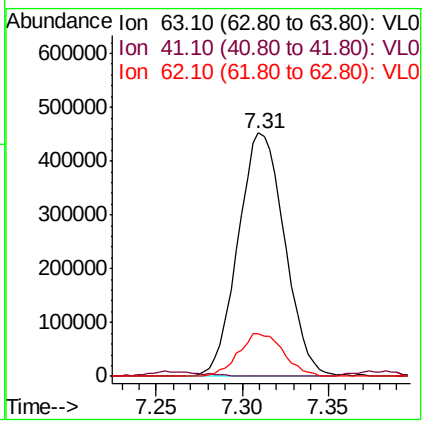


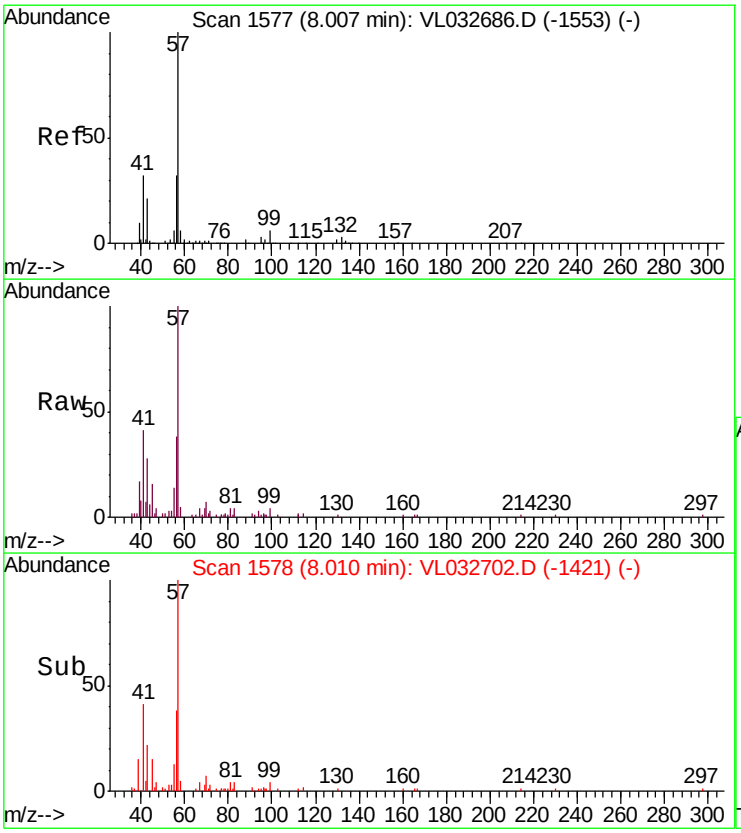
#39
1,2-Dichloropropane
Concen: 7.992 ppbv
RT: 7.31 min Scan# 1360
Delta R.T. -0.44 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Instrument : MSVOA_L
ClientSampleId : FIA-1D

Tgt Ion: 63 Resp: 846510

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.2	84.4#
62	17.5	54.4	81.6#

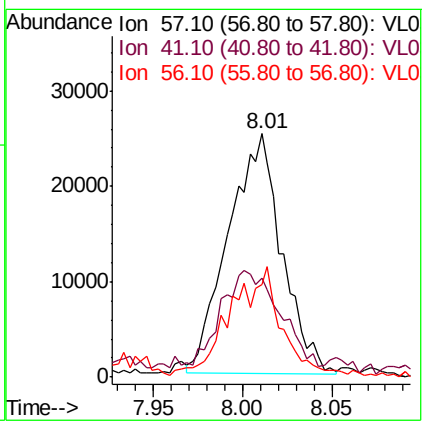


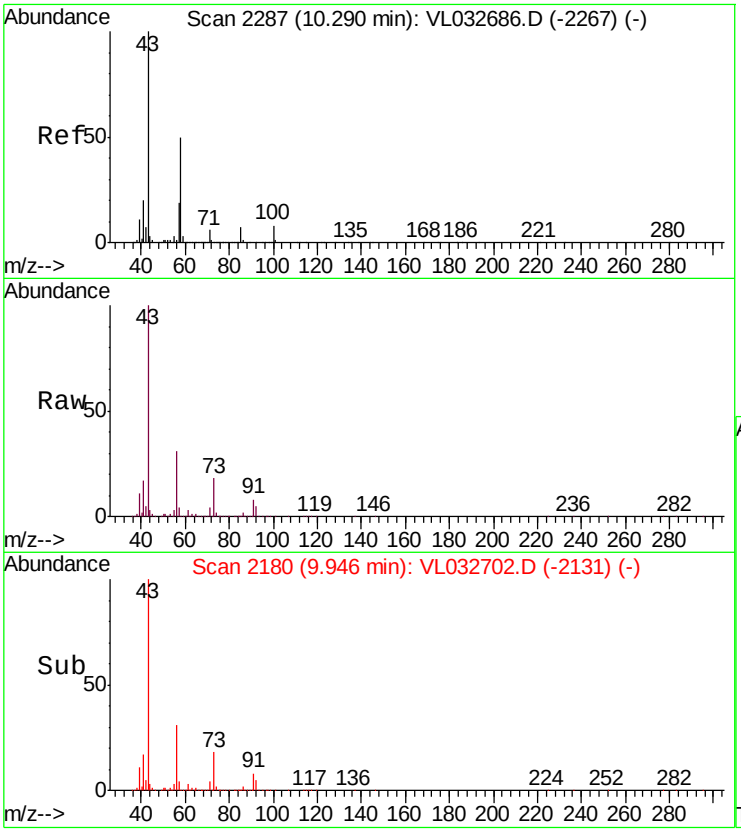


#44
2,2,4-Trimethylpentane
Concen: 0.112 ppbv
RT: 8.01 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Tgt Ion: 57 Resp: 52540

Ion	Ratio	Lower	Upper
57	100		
41	60.0	24.7	37.1#
56	45.5	25.0	37.4#



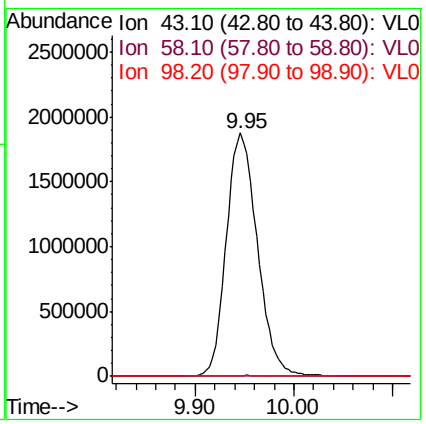


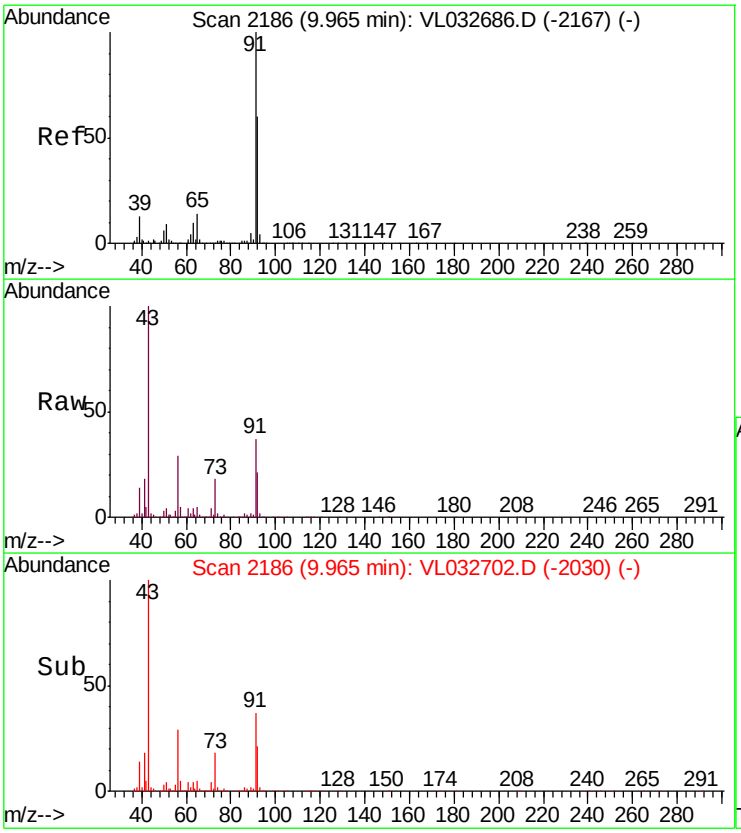
#51
2-Hexanone
Concen: 20.697 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.34 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Instrument : MSVOA_L
ClientSampleId : FIA-1D

Tgt Ion: 43 Resp: 4126920

Ion	Ratio	Lower	Upper
43	100		
58	0.4	40.4	60.6#
98	0.0	0.4	0.6#

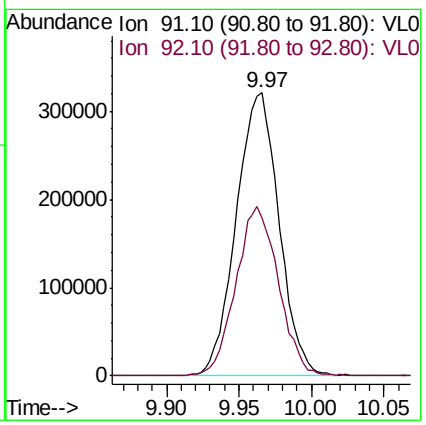


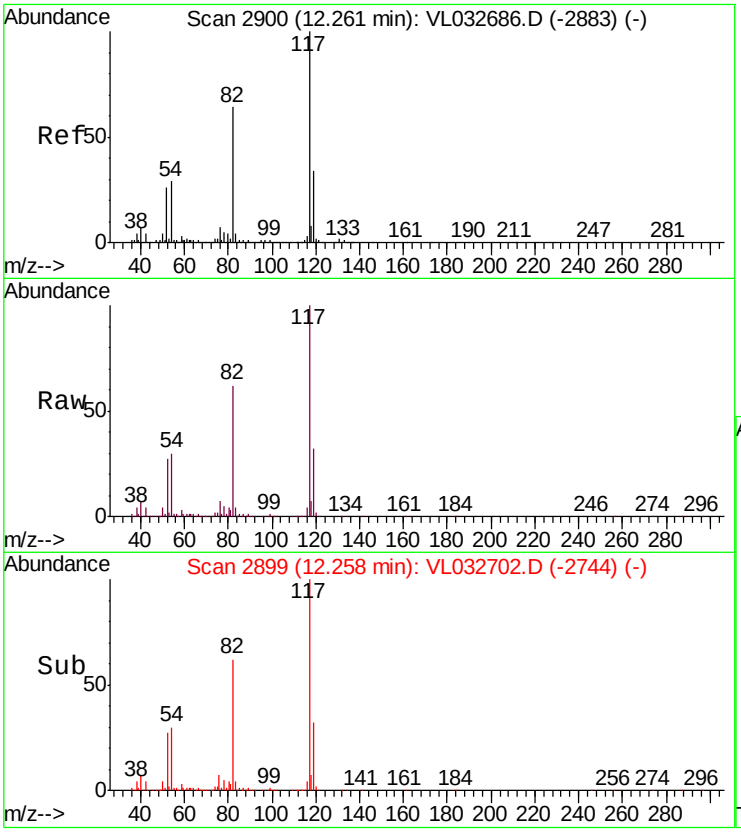


#53
Toluene
Concen: 2.090 ppbv
RT: 9.97 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Tgt Ion: 91 Resp: 657094

Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.4	72.6



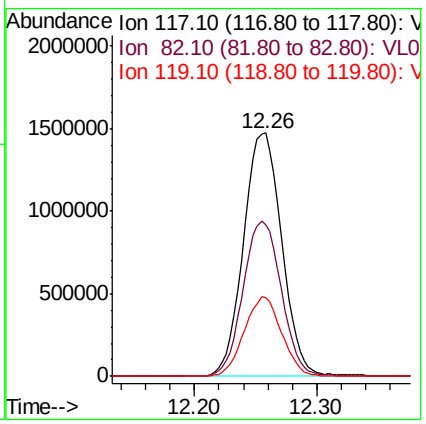


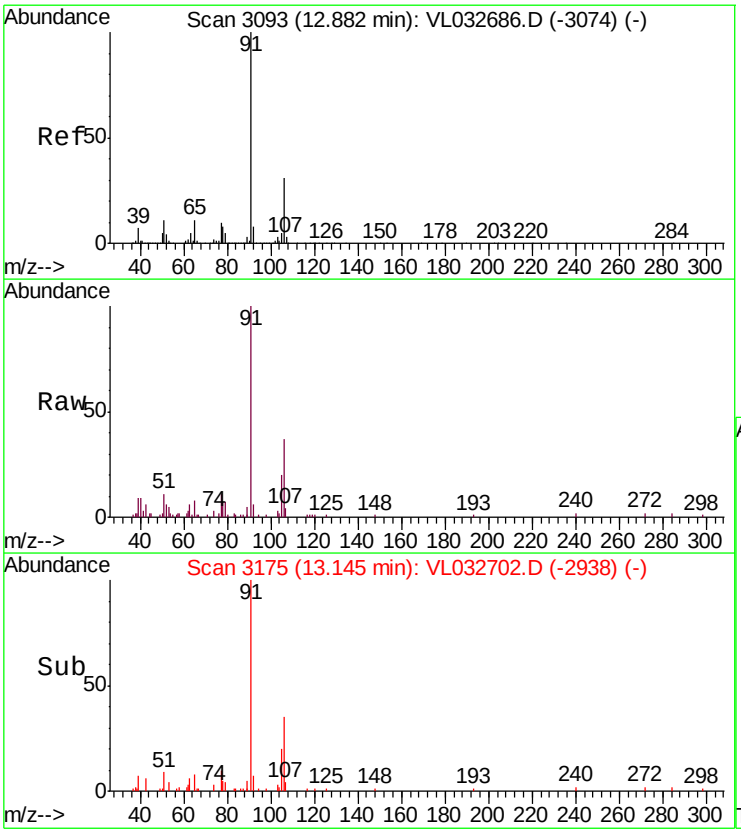
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.26 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Instrument : MSVOA_L
ClientSampleId : FIA-1D

Tgt Ion:117 Resp: 3194707

Ion	Ratio	Lower	Upper
117	100		
82	64.5	52.7	79.1
119	32.2	26.7	40.1

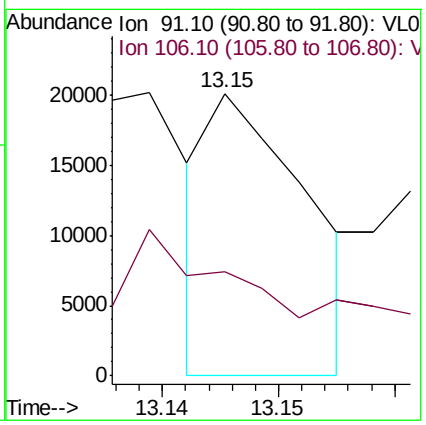


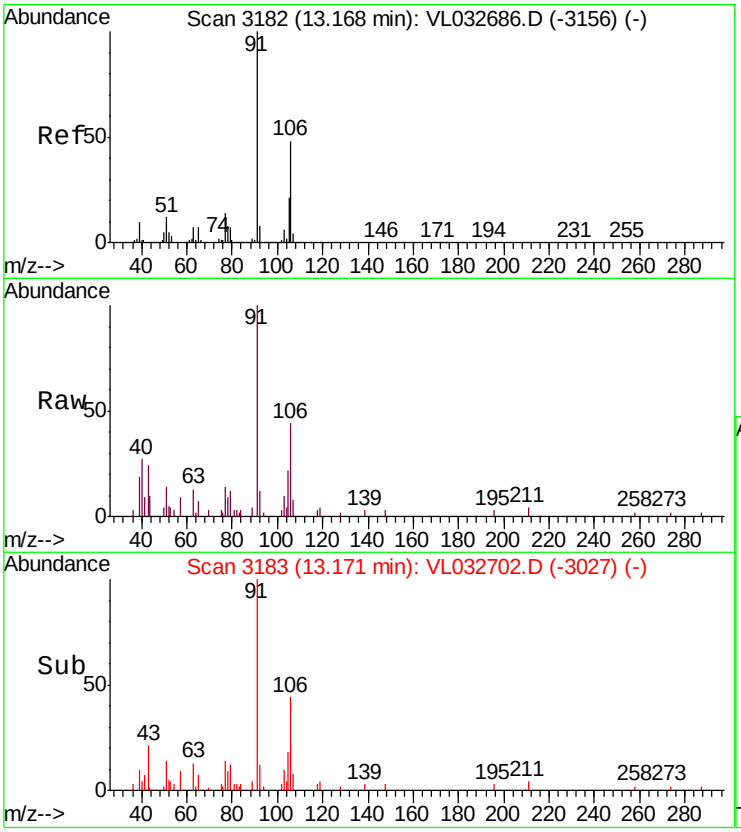


#58
Ethyl Benzene
Concen: 0.032 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. 0.26 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Tgt Ion: 91 Resp: 11779

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.2	36.2



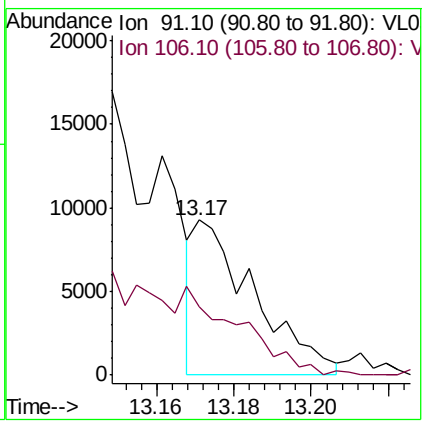


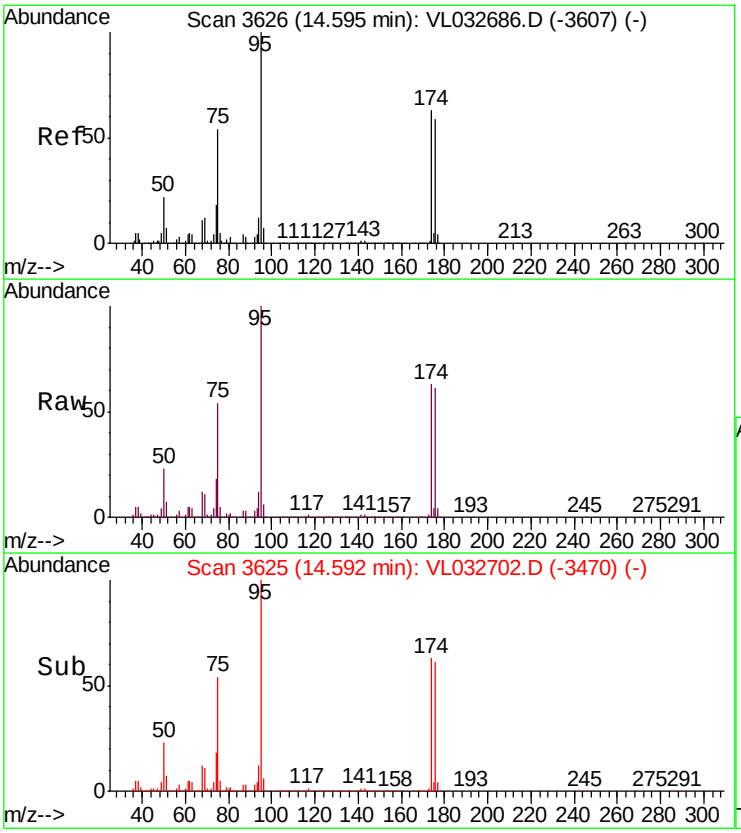
#59
m/p-Xylene
Concen: 0.030 ppbv
RT: 13.17 min Scan# 3183
Delta R.T. 0.00 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Instrument : MSVOA_L
ClientSampleId : FIA-1D

Tgt Ion: 91 Resp: 9964

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.9	53.9#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.918 ppbv
RT: 14.59 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL032702.D
Acq: 30 Oct 2018 17:23

Tgt Ion: 95 Resp: 2359132

Ion	Ratio	Lower	Upper
95	100		
174	64.7	46.0	69.0
175	4.8	3.4	5.0