Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL121317\
Data File : VL031224.D
Acq On : 14 Dec 2017 9:52
Operator : SY/AP
Sample : I6769-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 15 05:13:53 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 04:29:58 2017
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.91	49	1791929	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.45	114	4093966	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.41	117	4255822	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.75	95	3150215	10.41	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.18	85	9952	0.066	ppbv		96
3) Chlorodifluoromethane	3.12	51	8644	0.042	ppbv	#	90
9) Propene	3.14	41	3906	0.039	ppbv	#	16
13) Ethanol	3.78	45	19550	0.678	ppbv		95
15) Acetone	4.02	43	3004215	12.704	ppbv		98
19) Isopropyl Alcohol	4.17	45	21137	0.141	ppbv	#	41
20) Methylene Chloride	4.53	84	12316	0.157	ppbv		97
25) Ethyl Acetate	5.92	43	21876	0.045	ppbv	#	87
26) Hexane	5.93	57	35956	0.157	ppbv	#	54
27) Carbon Disulfide	4.76	76	23916	0.104	ppbv	#	87
34) 2-Butanone	5.49	43	121028	0.419	ppbv		99
38) Trichloroethene	8.12	130	23533	0.139	ppbv		89
39) 1,2-Dichloropropane	7.45	63	977365	6.371	ppbv	#	26
43) Methyl Methacrylate	8.31	69	7900	0.054	ppbv	#	1
50) 4-Methyl-2-Pentanone	9.07	43	31100	0.088	ppbv		96
52) Tetrachloroethene	11.54	164	1852234	11.571	ppbv		98
53) Toluene	10.11	91	61243	0.130	ppbv		99
58) Ethyl Benzene	13.03	91	346849	0.494	ppbv		99
59) m/p-Xylene	13.29	91	1673395	2.975	ppbv		99
60) o-Xylene	14.02	91	389584	0.687	ppbv		99
73) 1,3,5-Trimethylbenzene	16.33	105	18449	0.033	ppbv		98
74) 1,2,4-Trimethylbenzene	17.10	105	30452	0.052	ppbv	#	74

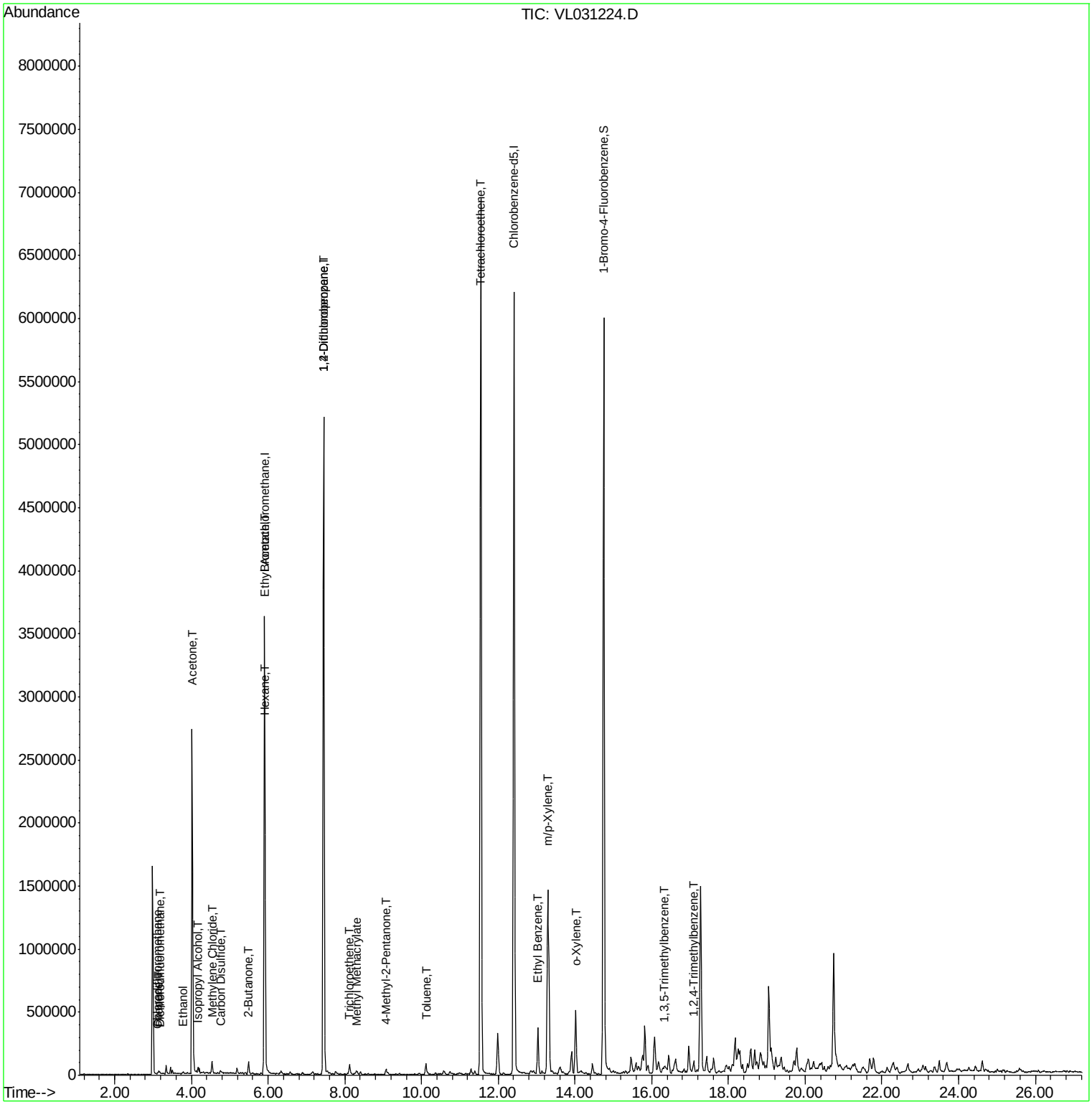
(#) = qualifier out of range (m) = manual integration (+) = signals summed

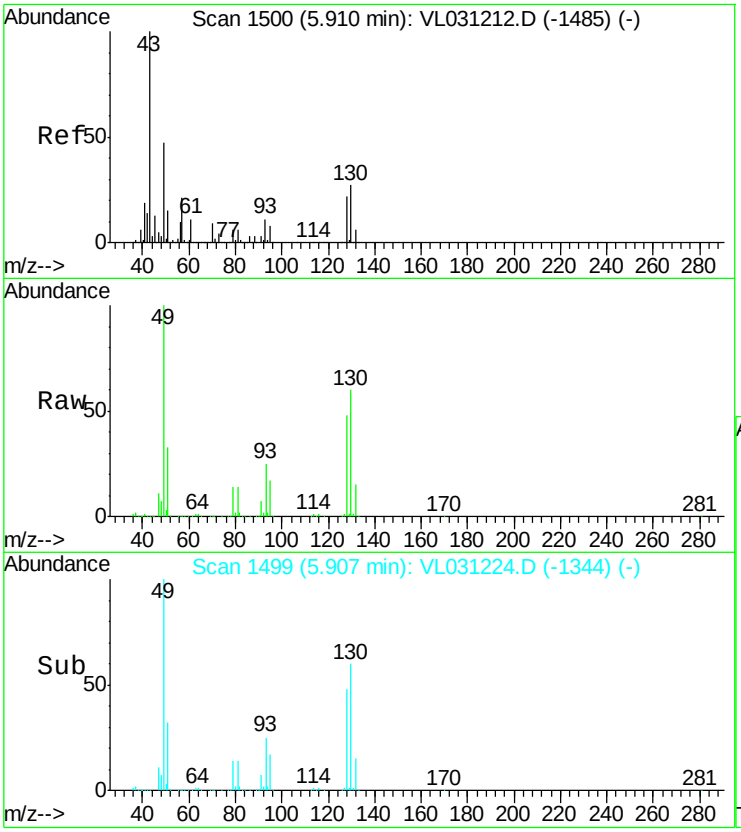
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL121317\
Data File : VL031224.D
Acq On : 14 Dec 2017 9:52
Operator : SY/AP
Sample : I6769-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 15 05:13:53 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 04:29:58 2017
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration



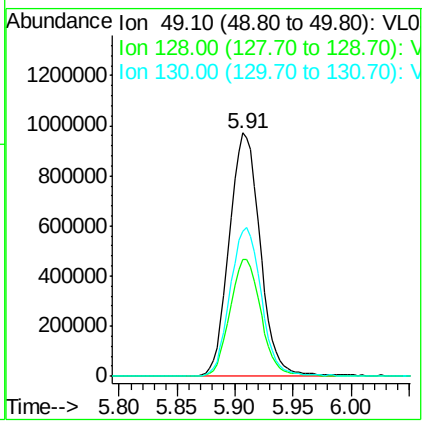


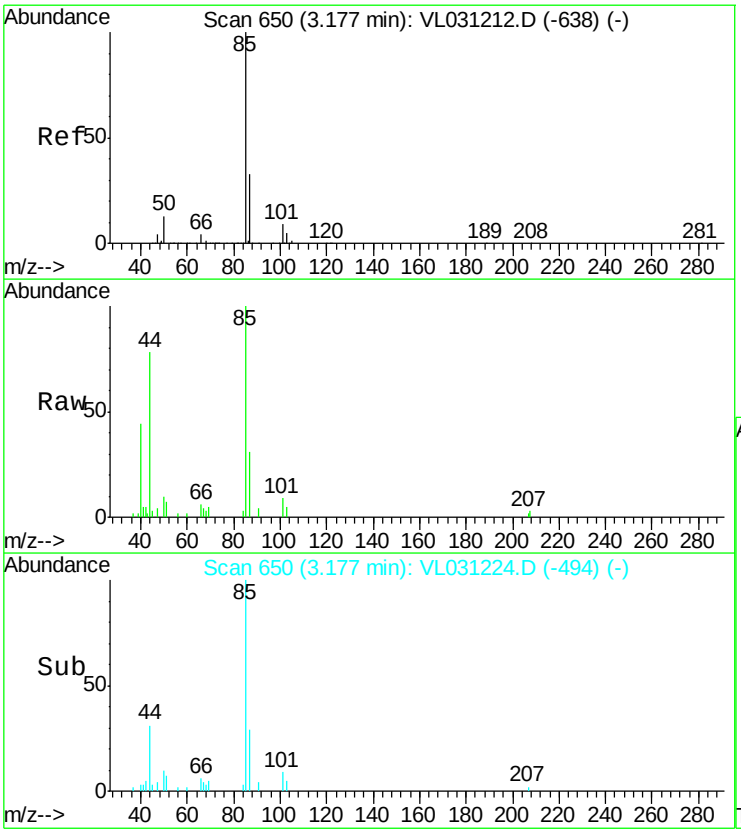
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1791929

Ion	Ratio	Lower	Upper
49	100		
128	48.7	23.2	69.5
130	62.5	29.6	88.8

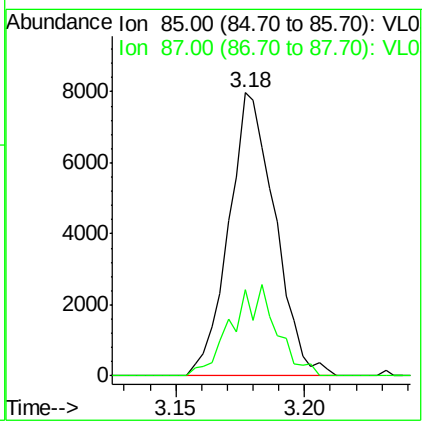


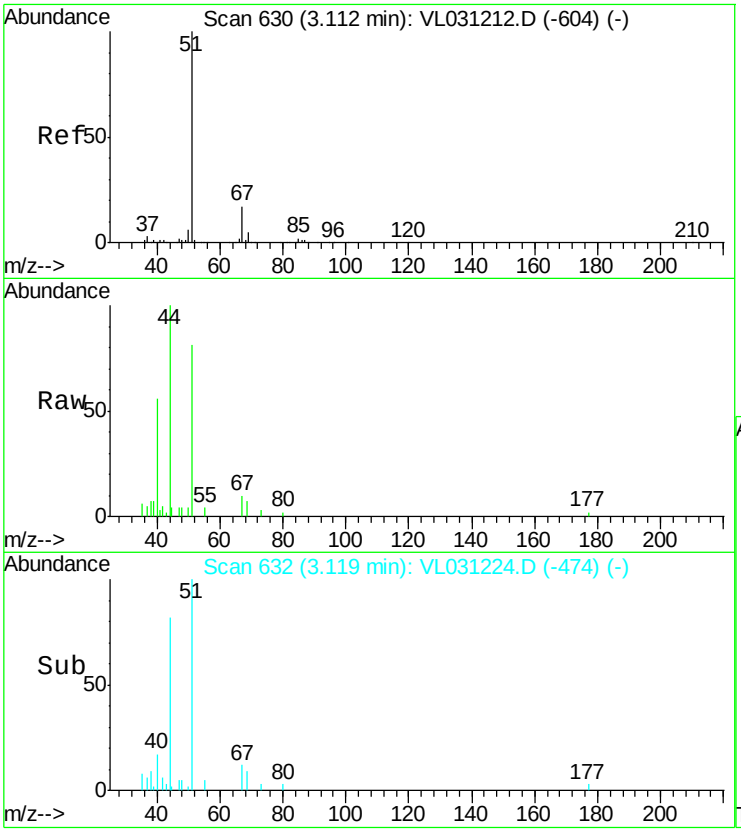


#2
Dichlorodifluoromethane
Concen: 0.066 ppbv
RT: 3.18 min Scan# 650
Delta R.T. 0.00 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Tgt Ion: 85 Resp: 9952

Ion	Ratio	Lower	Upper
85	100		
87	30.7	26.2	39.2



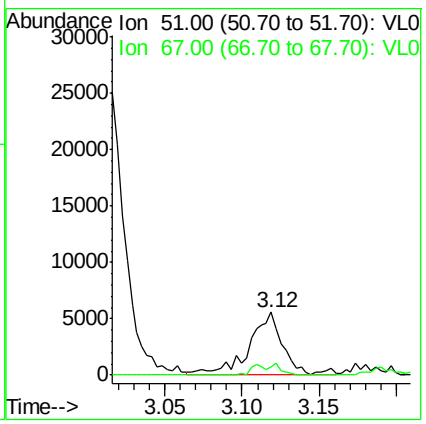


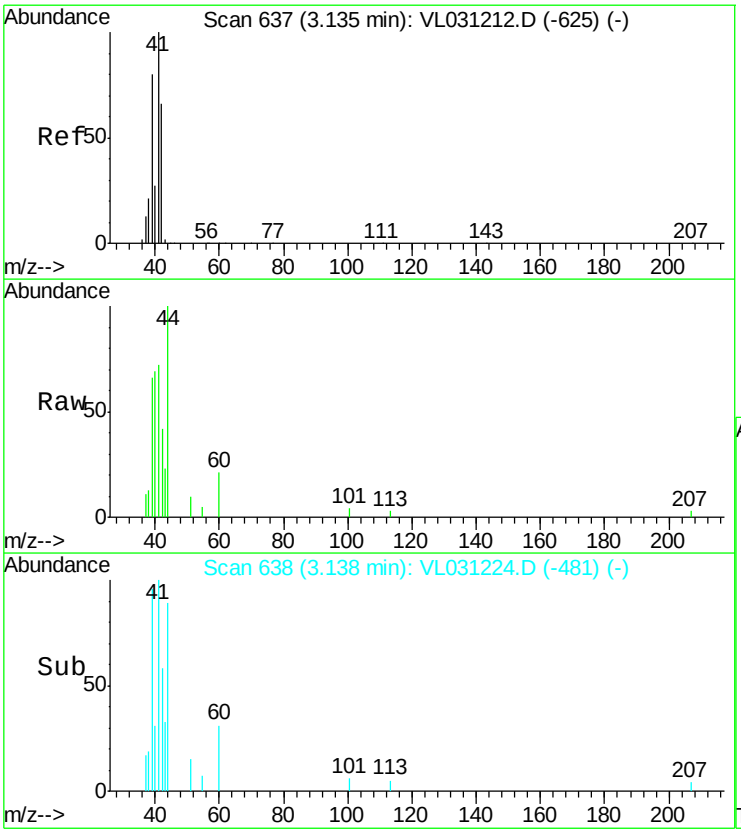
#3
Chlorodifluoromethane
Concen: 0.042 ppbv
RT: 3.12 min Scan# 632
Delta R.T. 0.01 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 8644

Ion	Ratio	Lower	Upper
51	100		
67	12.7	13.8	20.6#

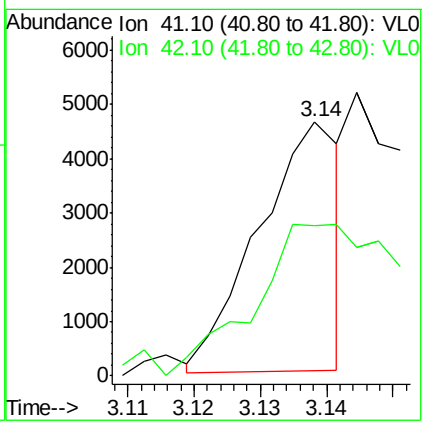


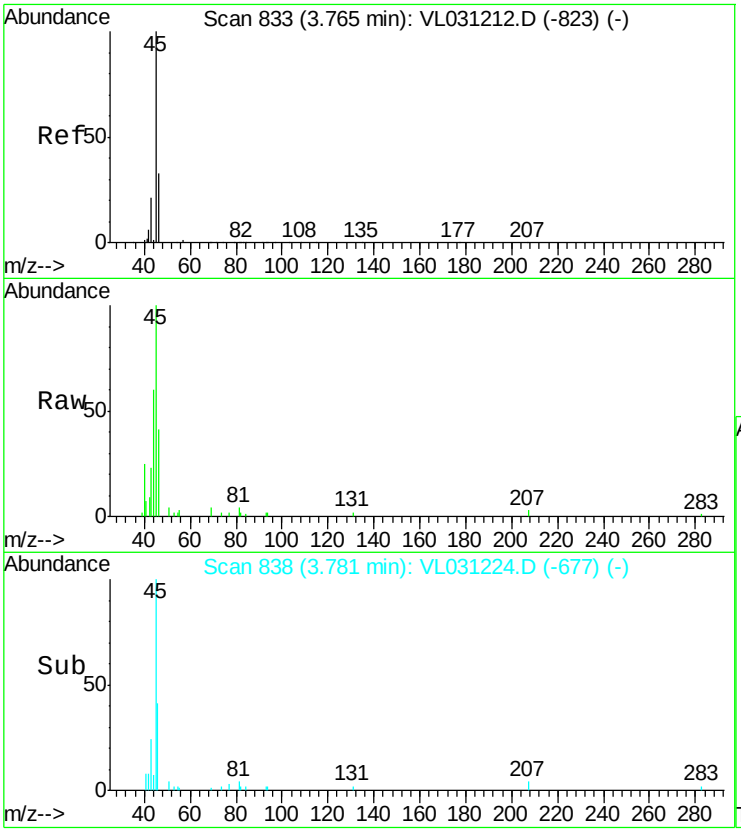


#9
Propene
Concen: 0.039 ppbv
RT: 3.14 min Scan# 638
Delta R.T. 0.00 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Tgt Ion: 41 Resp: 3906

Ion	Ratio	Lower	Upper
41	100		
42	0.0	54.3	81.5#

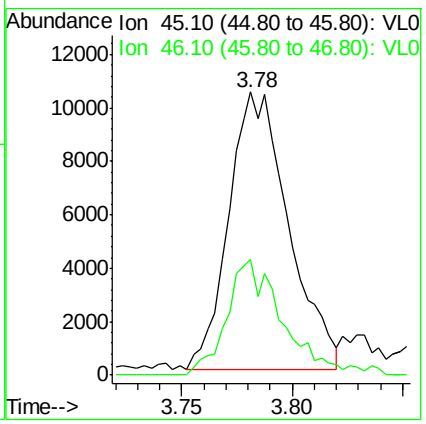




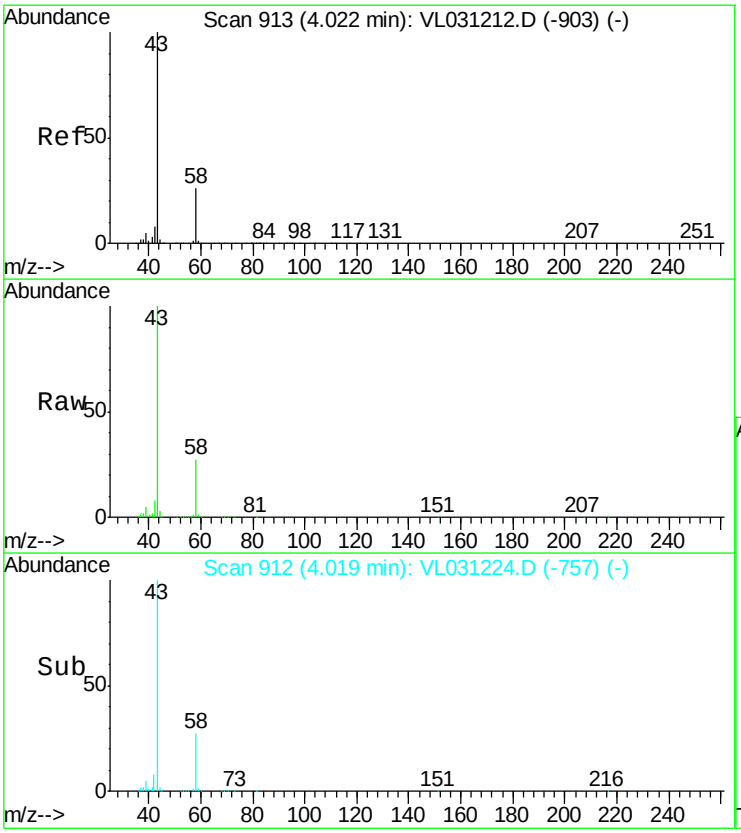
#13
Ethanol
Concen: 0.678 ppbv
RT: 3.78 min Scan# 838
Delta R.T. 0.02 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Tgt Ion: 45 Resp: 19550

Ion	Ratio	Lower	Upper
45	100		
46	39.4	14.6	58.4



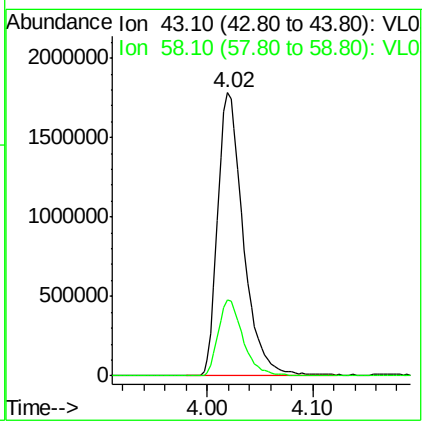
Instrument :
MSVOA_L
ClientSampleId :

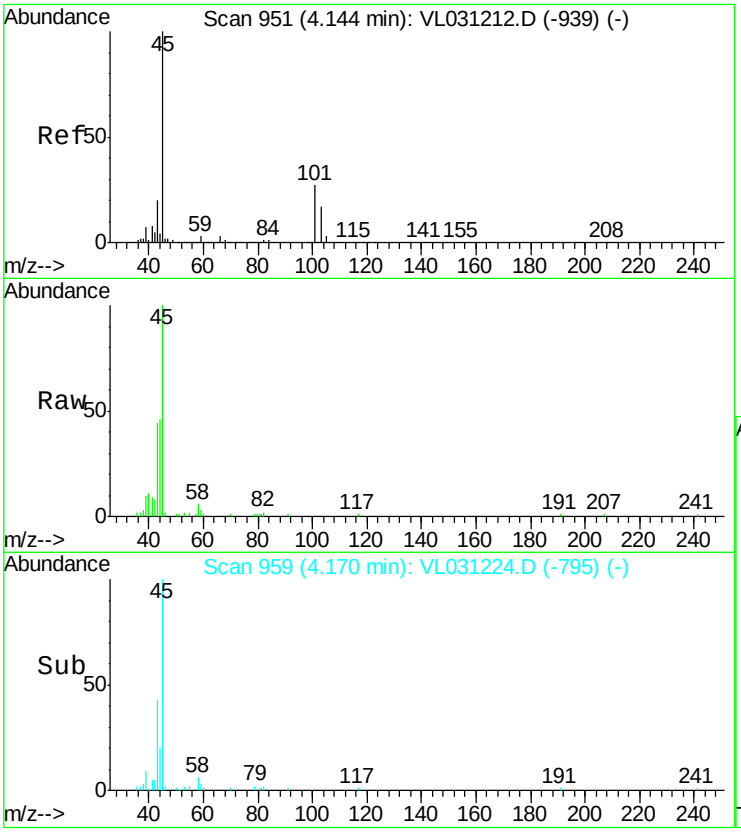


#15
Acetone
Concen: 12.704 ppbv
RT: 4.02 min Scan# 912
Delta R.T. -0.00 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Tgt Ion: 43 Resp: 3004215

Ion	Ratio	Lower	Upper
43	100		
58	26.2	20.3	30.5



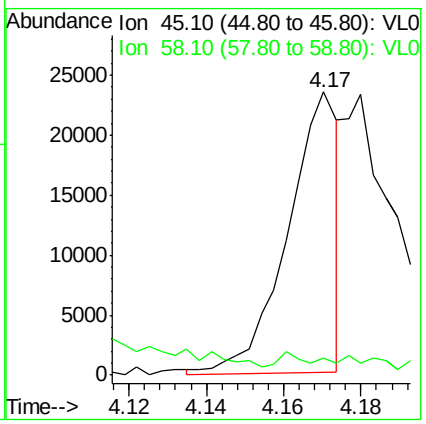


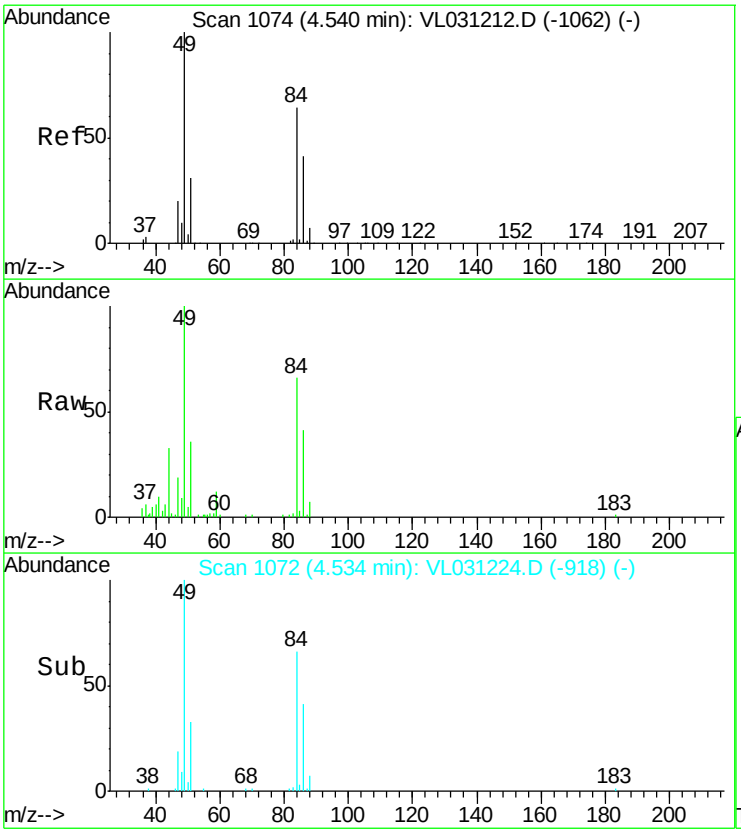
#19
Isopropyl Alcohol
Concen: 0.141 ppbv
RT: 4.17 min Scan# 959
Delta R.T. 0.03 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 21137

Ion	Ratio	Lower	Upper
45	100		
58	0.0	27.2	40.8#

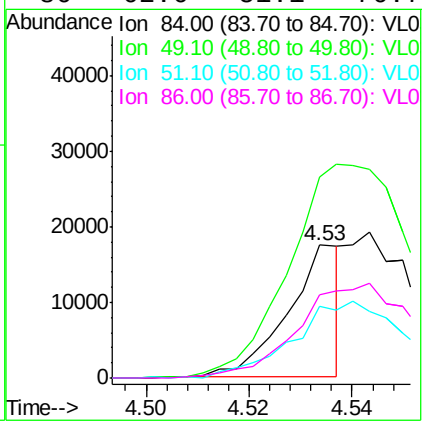


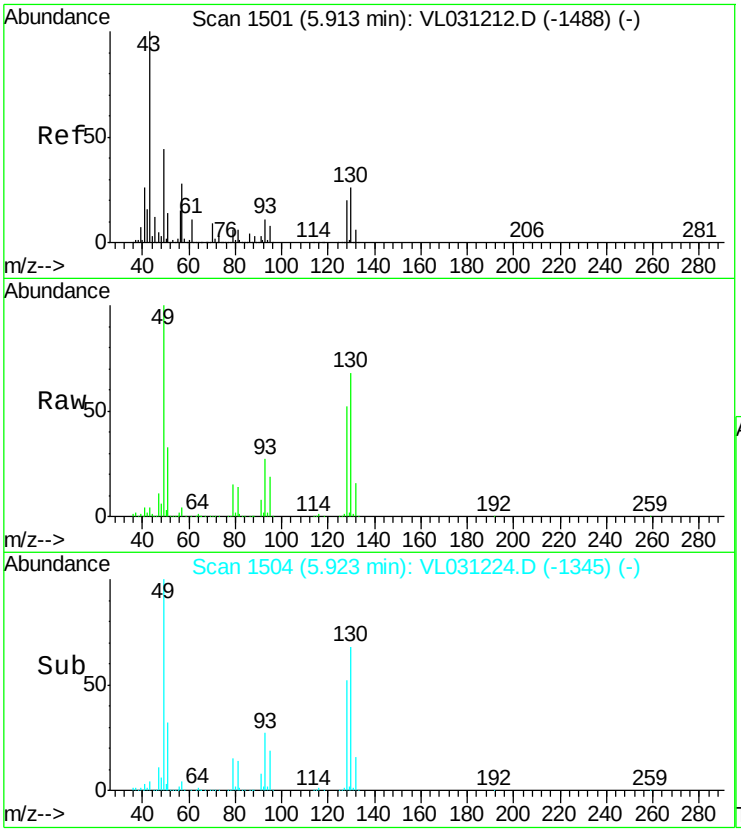


#20
Methylene Chloride
Concen: 0.157 ppbv
RT: 4.53 min Scan# 1072
Delta R.T. -0.01 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Tgt Ion: 84 Resp: 12316

Ion	Ratio	Lower	Upper
84	100		
49	153.2	125.8	188.6
51	54.1	39.3	58.9
86	62.6	51.1	76.7



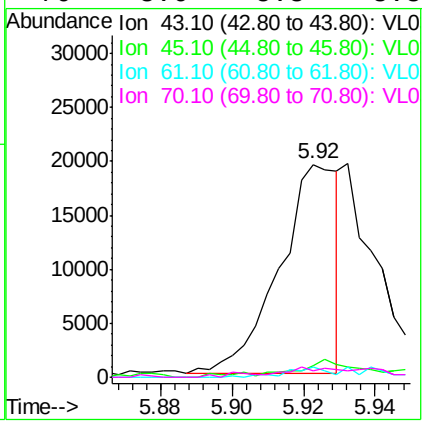


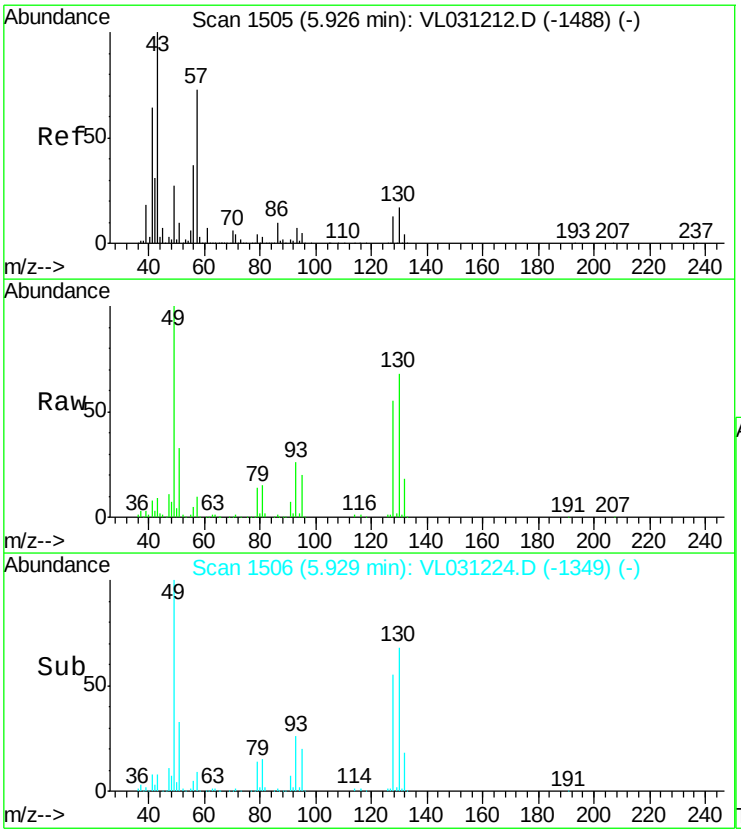
#25
Ethyl Acetate
Concen: 0.045 ppbv
RT: 5.92 min Scan# 1504
Delta R.T. 0.01 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 21876

Ion	Ratio	Lower	Upper
43	100		
45	13.5	8.0	12.0#
61	0.0	7.4	11.0#
70	8.6	5.8	8.8

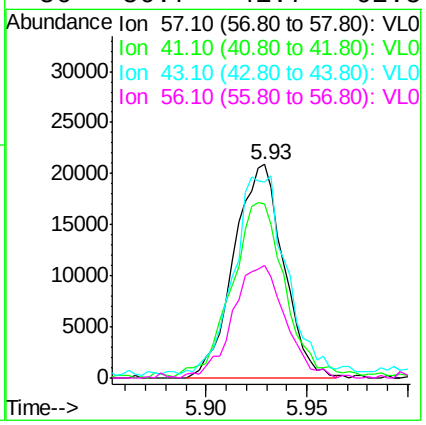


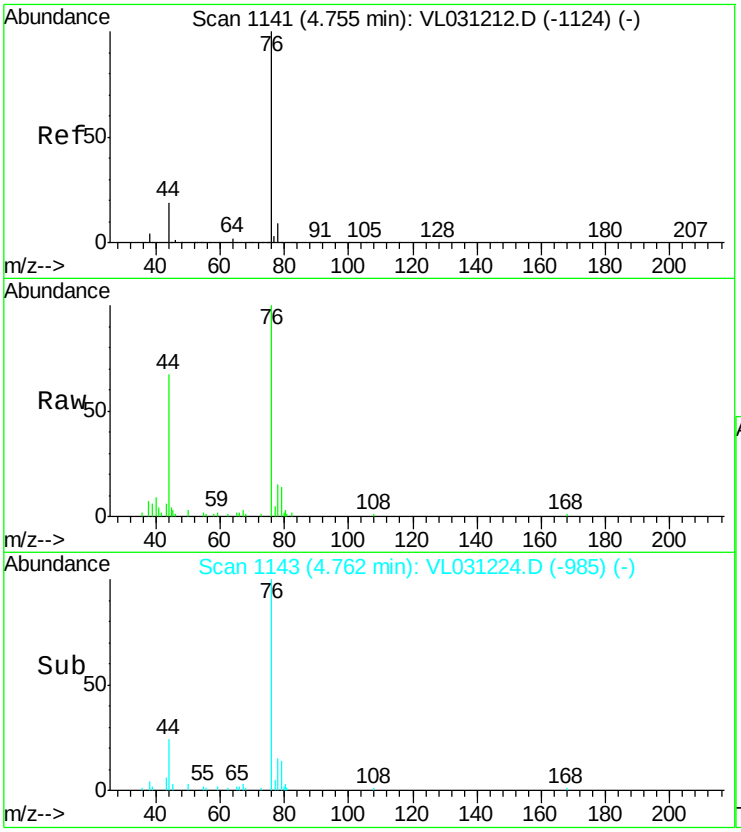


#26
Hexane
Concen: 0.157 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Tgt Ion: 57 Resp: 35956

Ion	Ratio	Lower	Upper
57	100		
41	91.8	70.3	105.5
43	102.9	173.8	260.8#
56	56.7	41.7	62.5



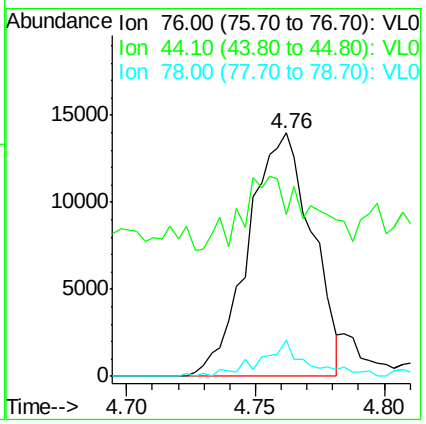


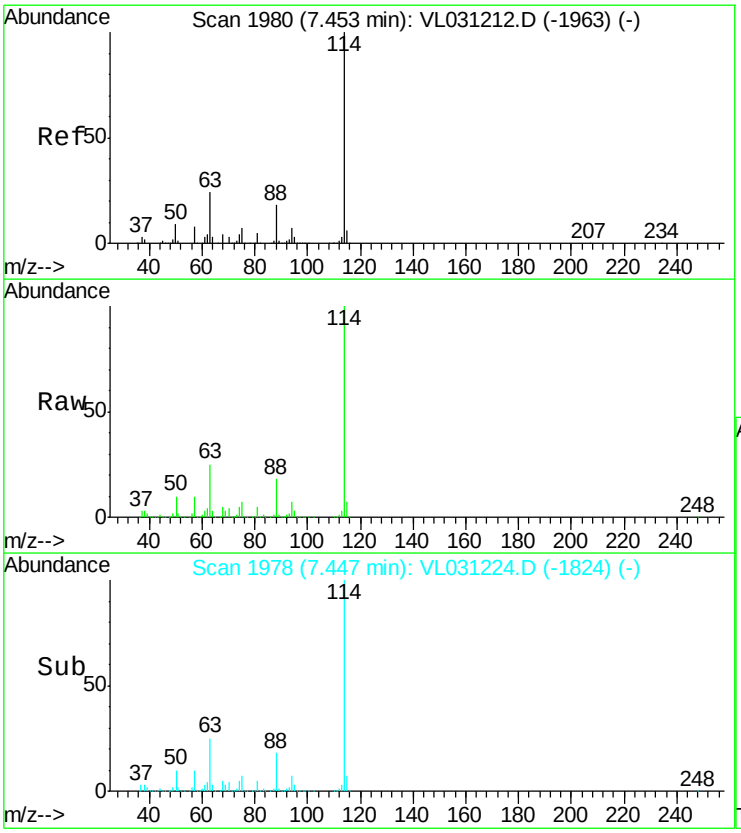
#27
Carbon Disulfide
Concen: 0.104 ppbv
RT: 4.76 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 23916

Ion	Ratio	Lower	Upper
76	100		
44	27.3	16.0	24.0#
78	11.7	7.5	11.3#

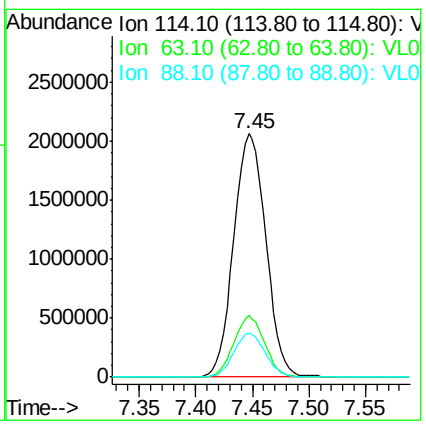


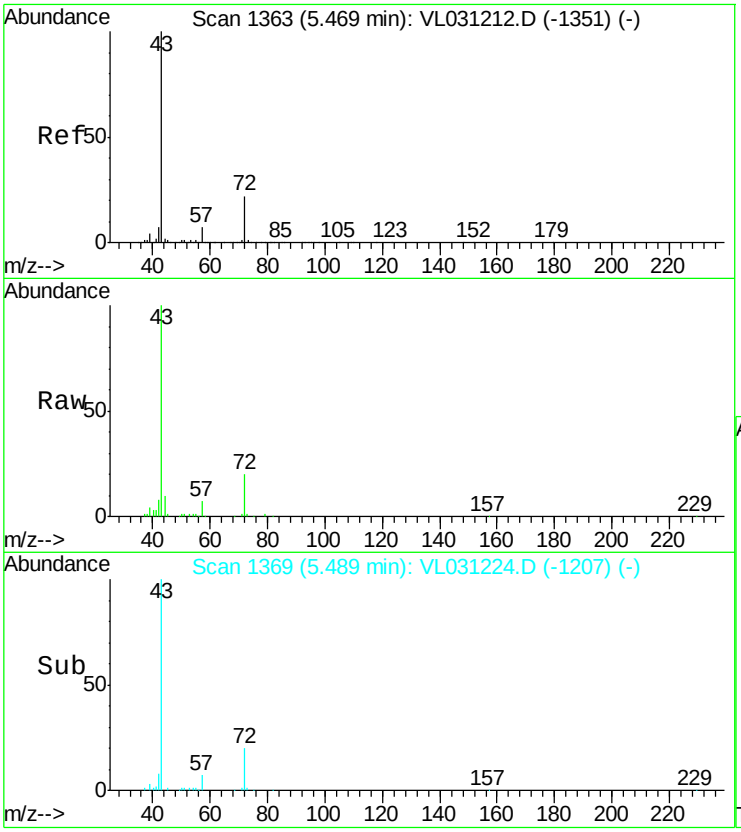


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.45 min Scan# 1978
Delta R.T. -0.01 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Tgt Ion:114 Resp: 4093966

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.8	29.8
88	17.5	14.2	21.4



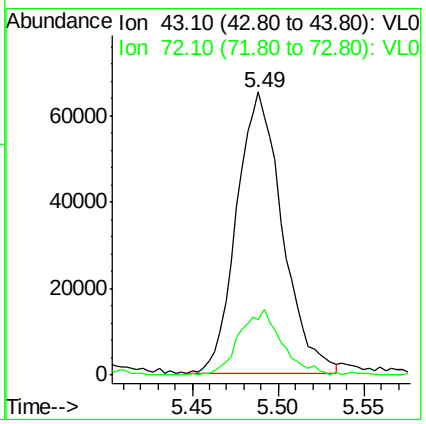


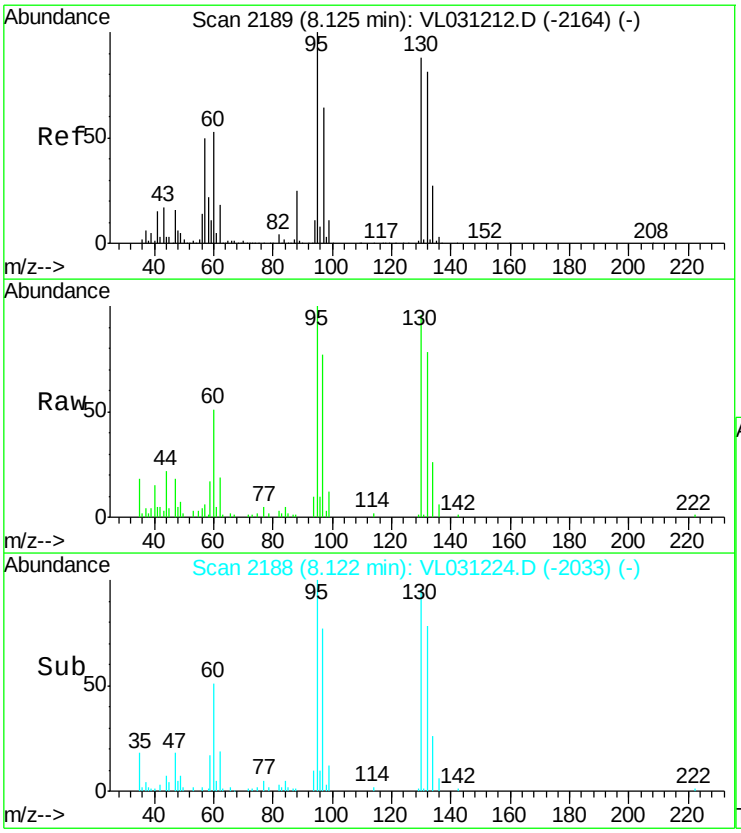
#34
2-Butanone
Concen: 0.419 ppbv
RT: 5.49 min Scan# 1369
Delta R.T. 0.02 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 121028

Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.1	27.1

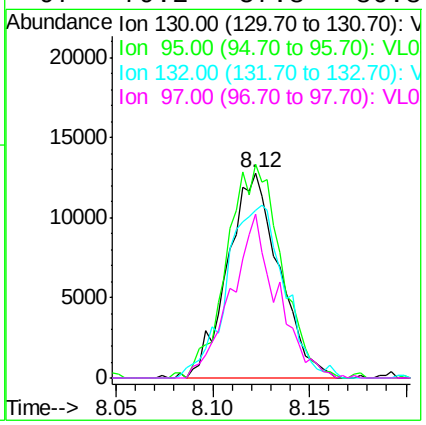


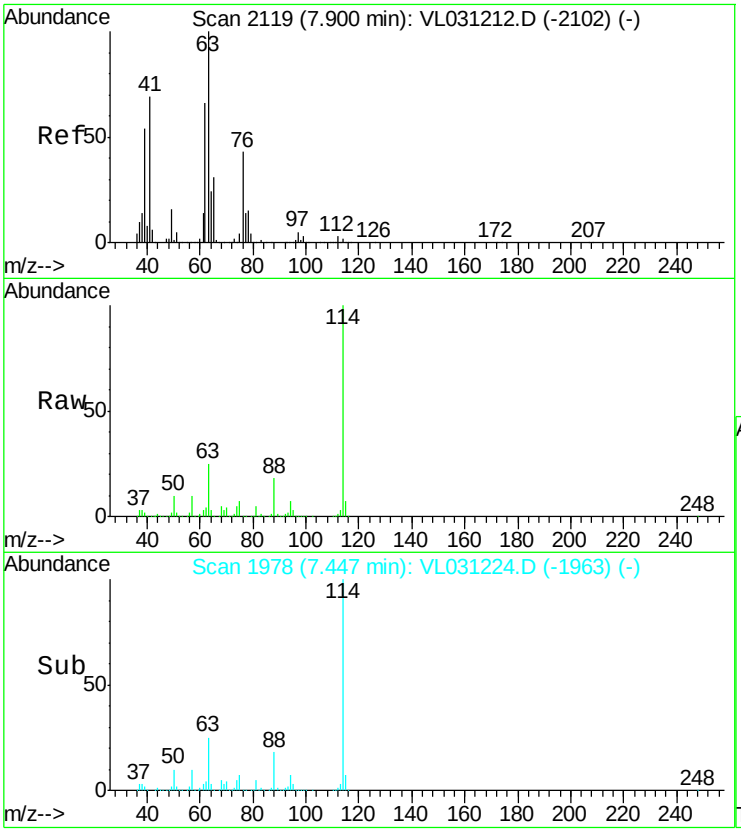


#38
Trichloroethene
Concen: 0.139 ppbv
RT: 8.12 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Tgt Ion:130 Resp: 23533

Ion	Ratio	Lower	Upper
130	100		
95	103.0	90.6	135.8
132	78.4	73.5	110.3
97	79.2	57.8	86.8



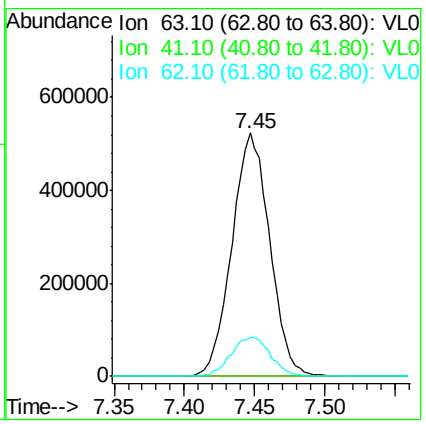


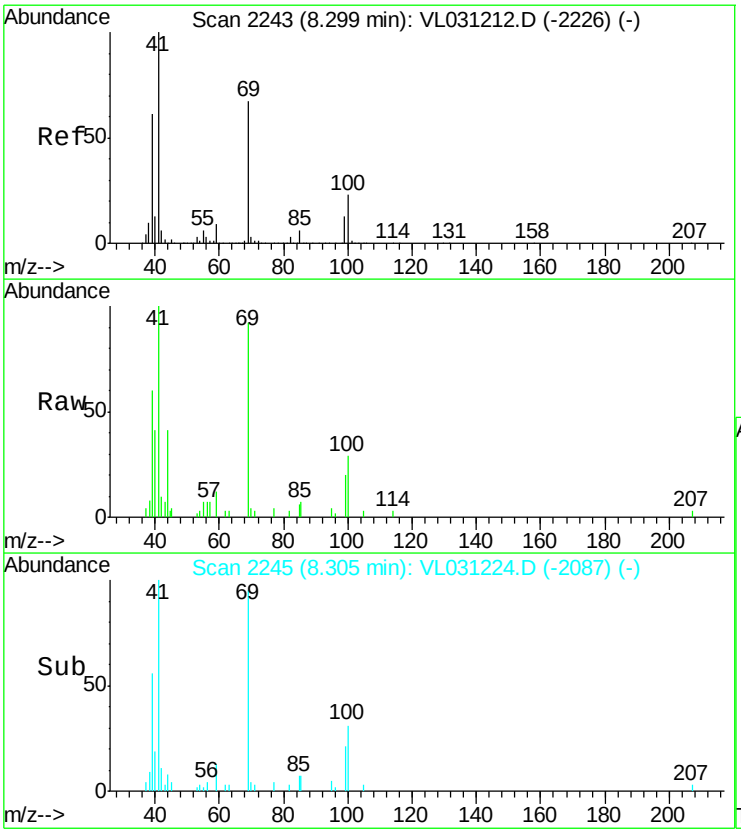
#39
1,2-Dichloropropane
Concen: 6.371 ppbv
RT: 7.45 min Scan# 1978
Delta R.T. -0.45 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 977365

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.2	82.8#
62	15.9	53.0	79.4#

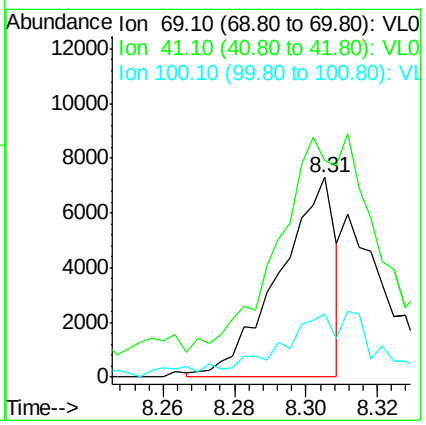


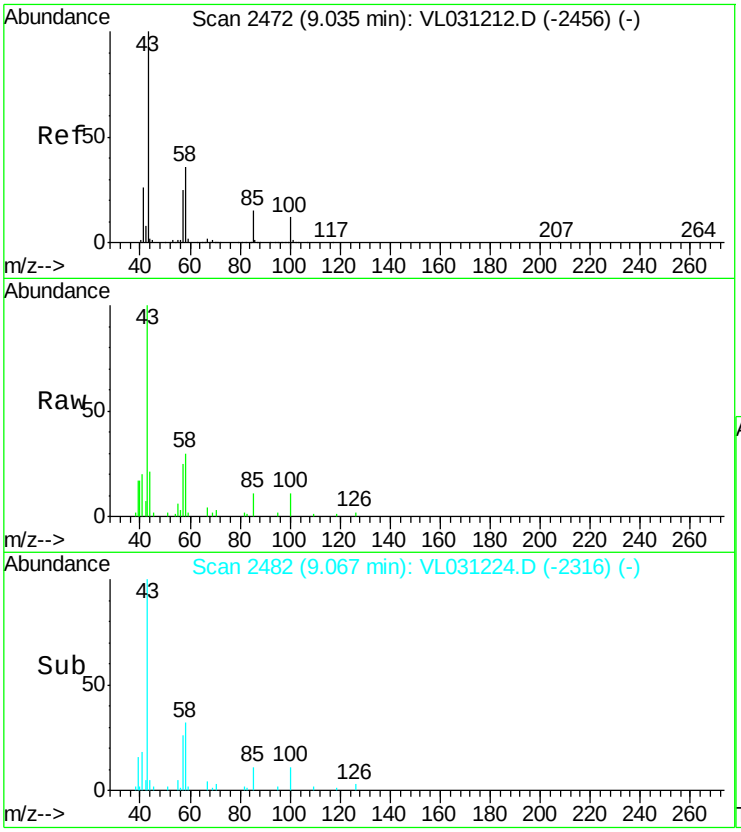


#43
Methyl Methacrylate
Concen: 0.054 ppbv
RT: 8.31 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Tgt Ion: 69 Resp: 7900

Ion	Ratio	Lower	Upper
69	100		
41	0.0	121.1	181.7#
100	0.0	27.4	41.2#



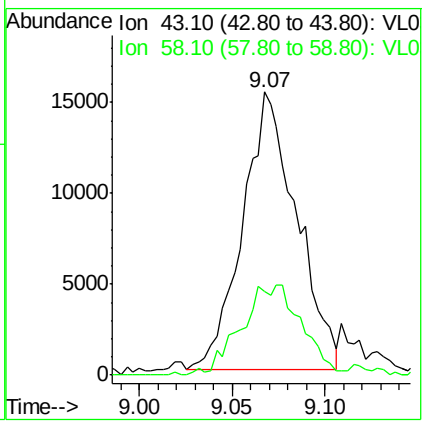


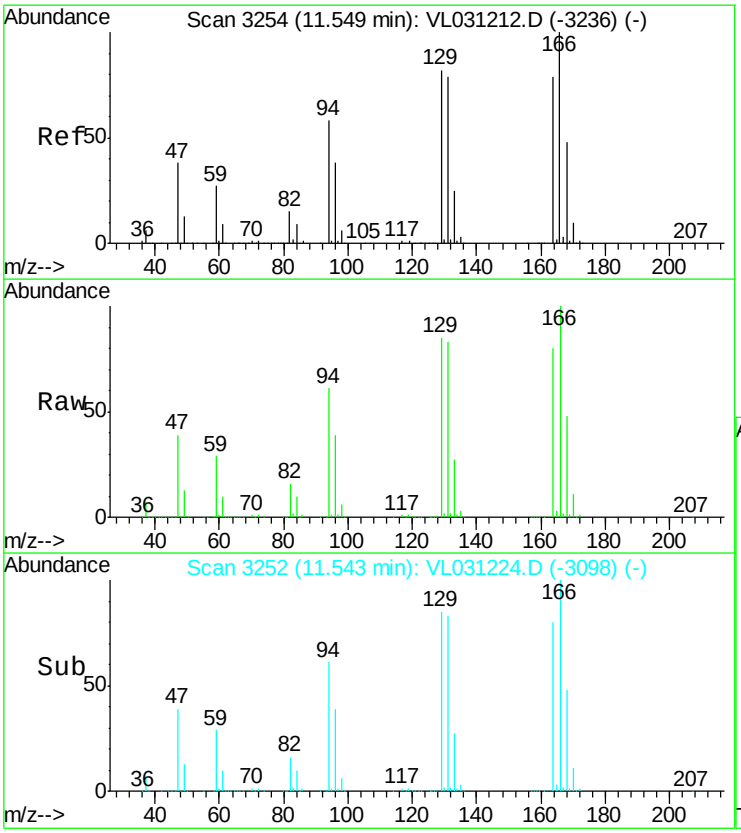
#50
4-Methyl-2-Pentanone
Concen: 0.088 ppbv
RT: 9.07 min Scan# 2482
Delta R.T. 0.03 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 31100

Ion	Ratio	Lower	Upper
43	100		
58	38.2	28.8	43.2

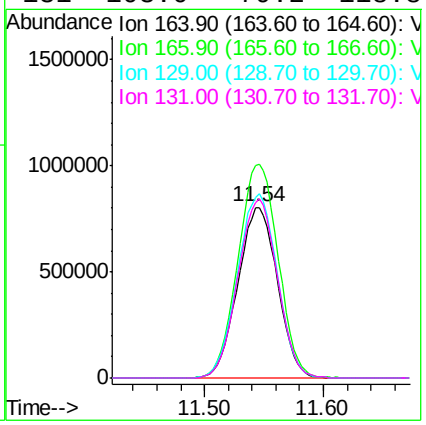


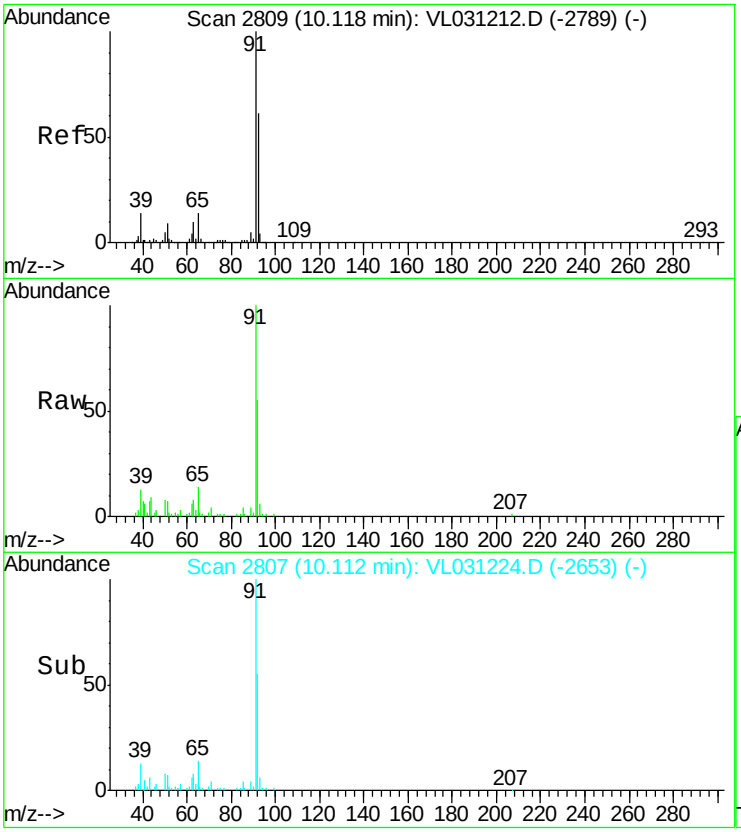


#52
Tetrachloroethene
Concen: 11.571 ppbv
RT: 11.54 min Scan# 3252
Delta R.T. -0.01 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Tgt Ion:164 Resp: 1852234

Ion	Ratio	Lower	Upper
164	100		
166	124.4	100.6	151.0
129	106.0	82.9	124.3
131	103.0	79.2	118.8



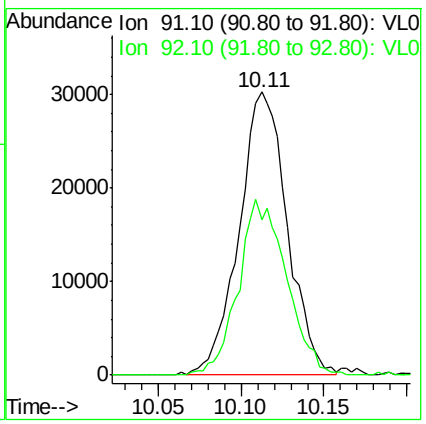


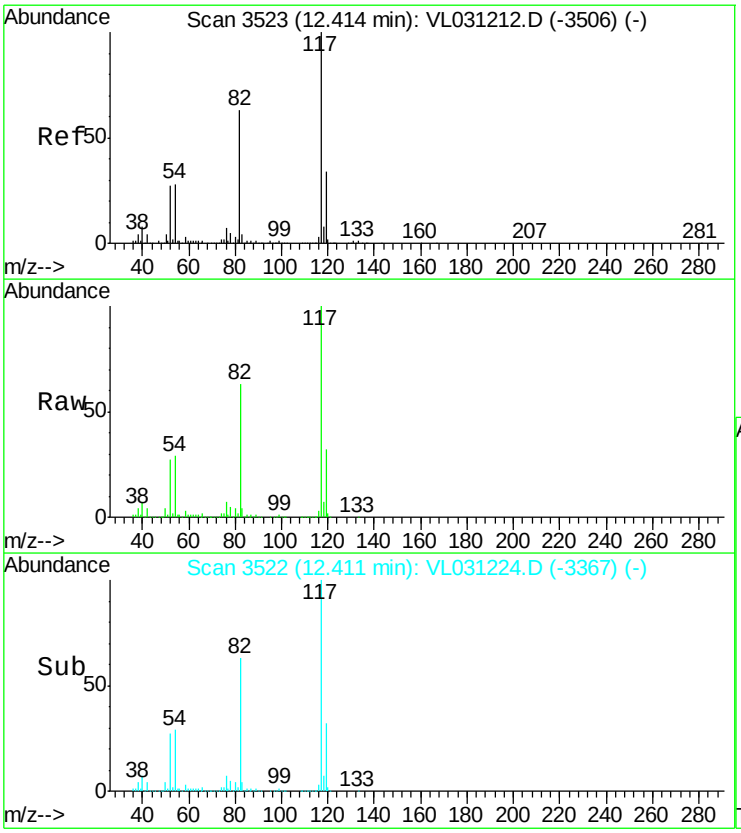
#53
Toluene
Concen: 0.130 ppbv
RT: 10.11 min Scan# 2807
Delta R.T. -0.01 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 61243

Ion	Ratio	Lower	Upper
91	100		
92	61.8	49.1	73.7

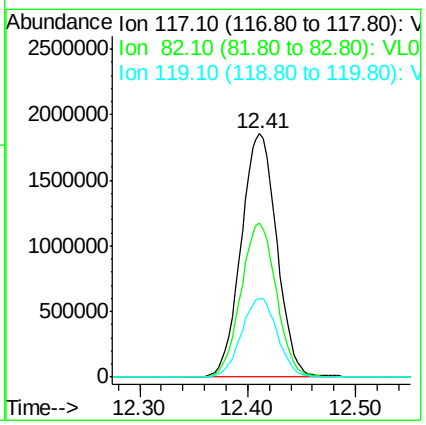


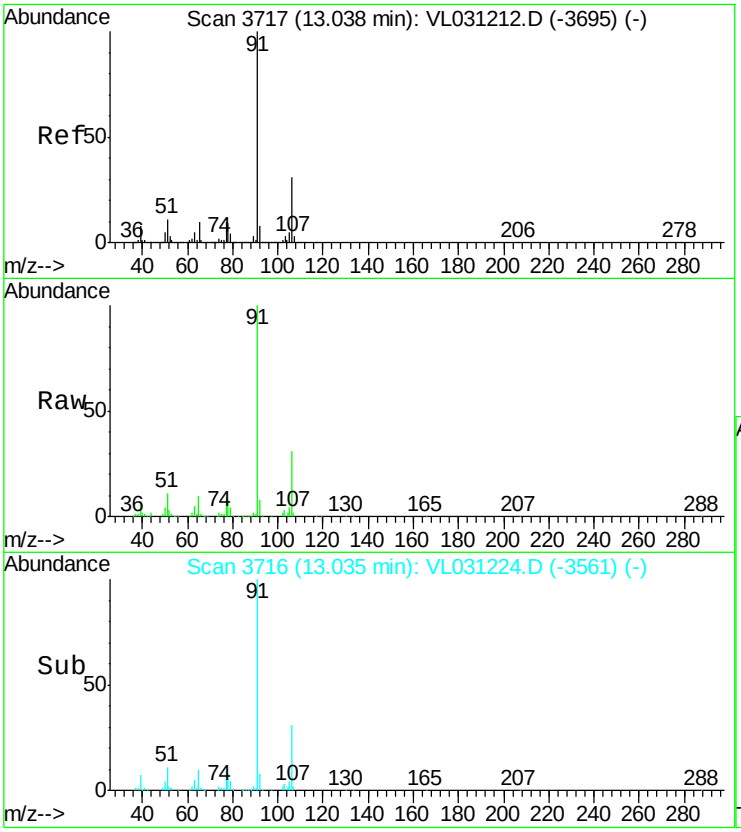


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.41 min Scan# 3522
Delta R.T. -0.00 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Tgt Ion:117 Resp: 4255822

Ion	Ratio	Lower	Upper
117	100		
82	63.1	48.1	72.1
119	32.7	23.1	34.7



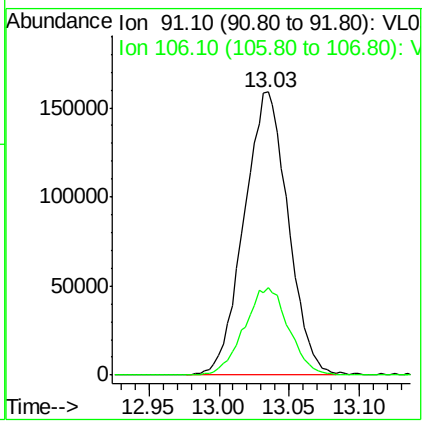


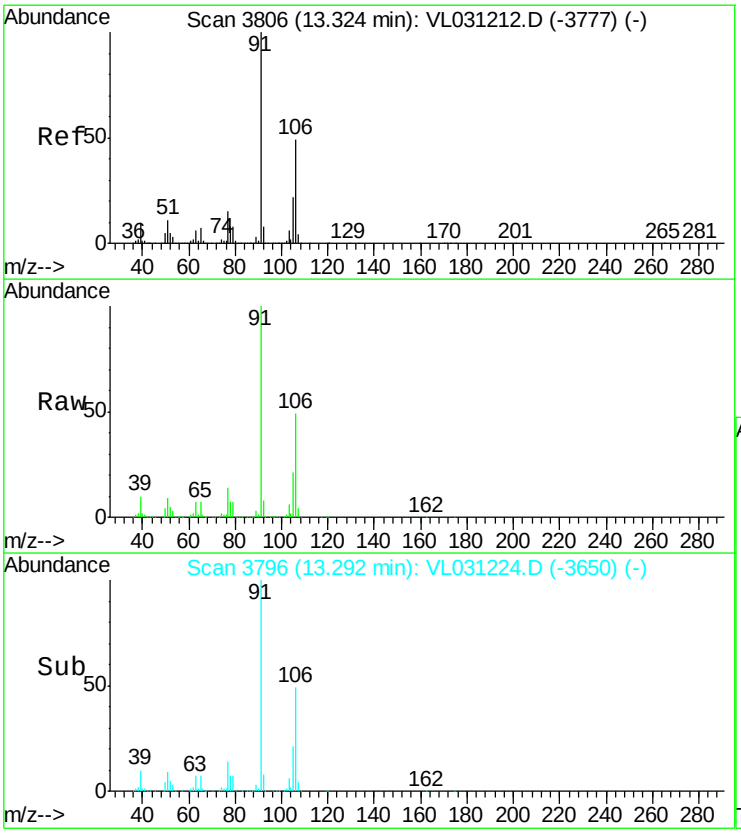
#58
Ethyl Benzene
Concen: 0.494 ppbv
RT: 13.03 min Scan# 3716
Delta R.T. -0.00 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 346849

Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.1	37.7

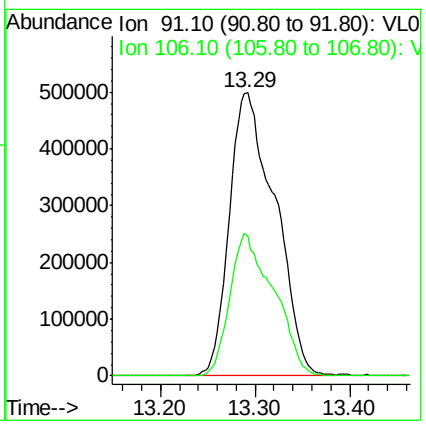


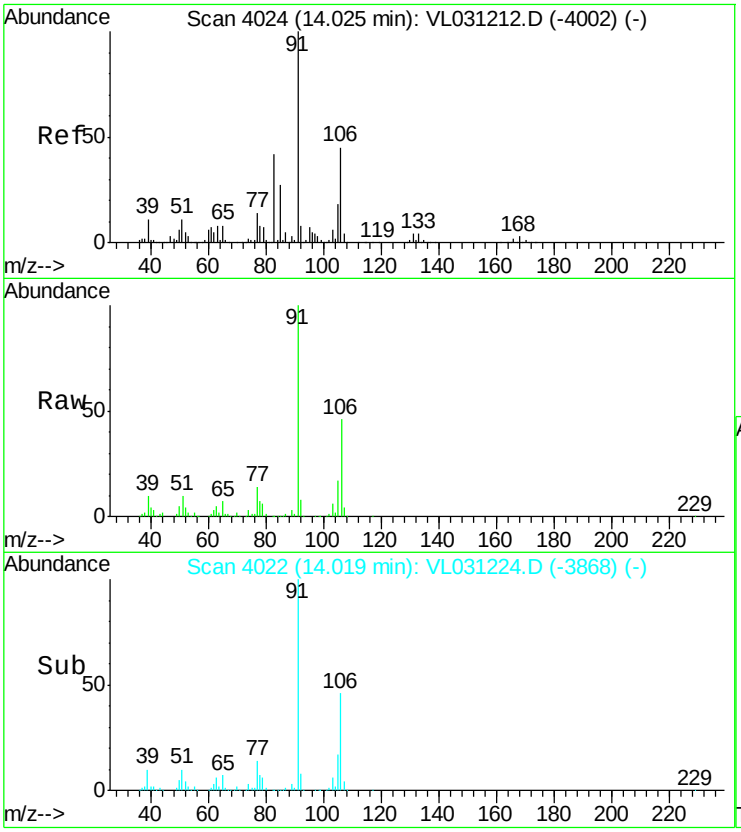


#59
m/p-Xylene
Concen: 2.975 ppbv
RT: 13.29 min Scan# 3796
Delta R.T. -0.03 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Tgt Ion: 91 Resp: 1673395

Ion	Ratio	Lower	Upper
91	100		
106	48.7	38.5	57.7



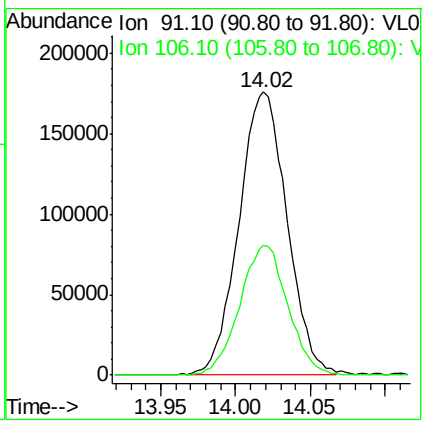


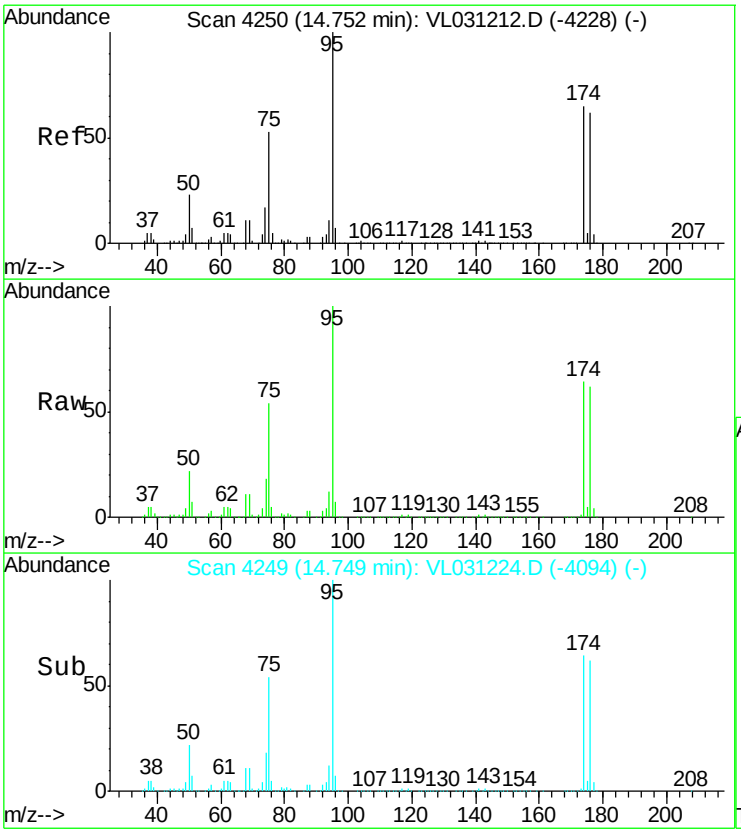
#60
o-Xylene
Concen: 0.687 ppbv
RT: 14.02 min Scan# 4022
Delta R.T. -0.01 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 389584

Ion	Ratio	Lower	Upper
91	100		
106	46.3	22.7	68.1

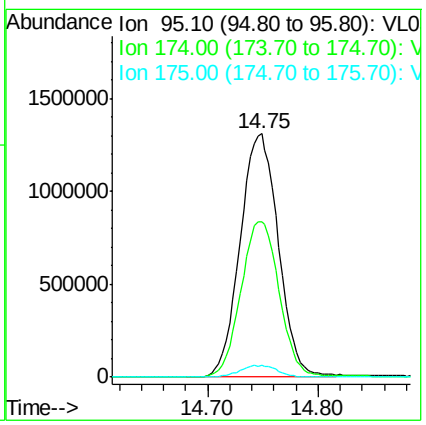


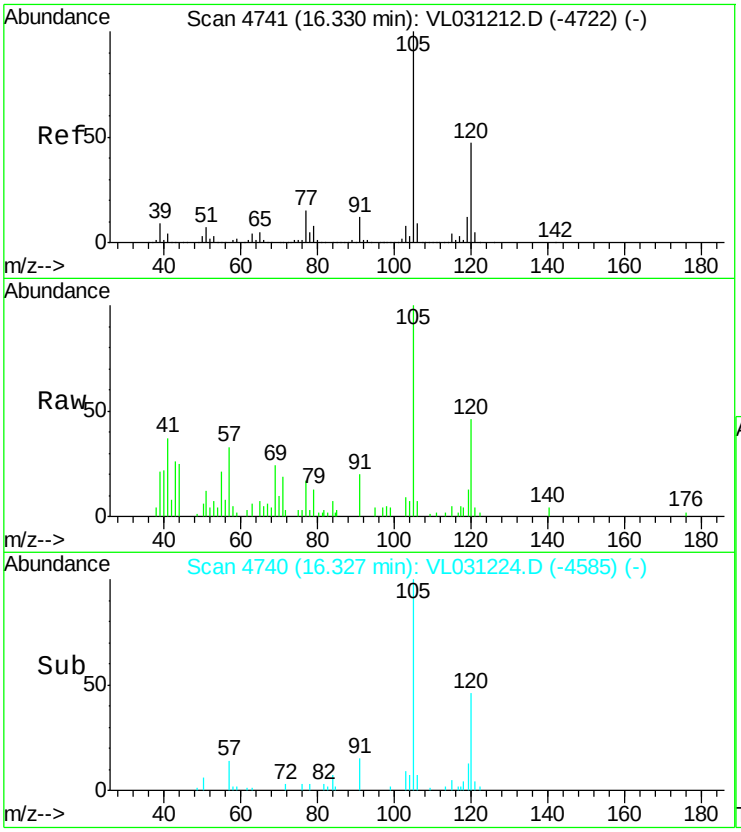


#68
1-Bromo-4-Fluorobenzene
Concen: 10.407 ppbv
RT: 14.75 min Scan# 4249
Delta R.T. -0.00 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Tgt Ion: 95 Resp: 3150215

Ion	Ratio	Lower	Upper
95	100		
174	65.1	52.5	78.7
175	4.8	4.1	6.1



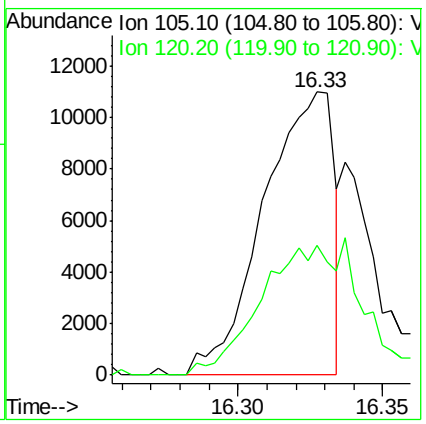


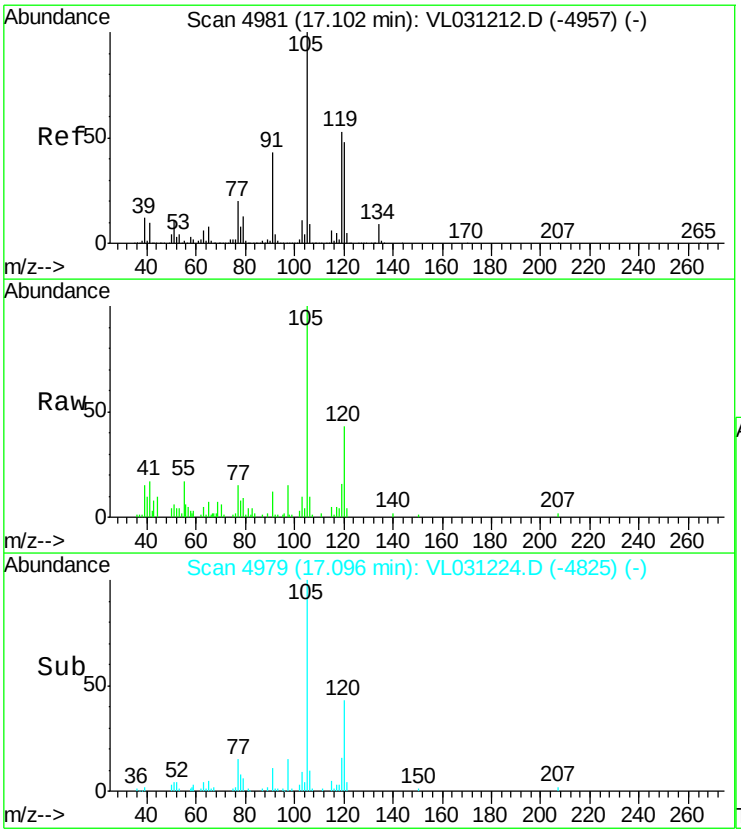
#73
1,3,5-Trimethylbenzene
Concen: 0.033 ppbv
RT: 16.33 min Scan# 4740
Delta R.T. -0.00 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 18449

Ion	Ratio	Lower	Upper
105	100		
120	45.8	37.8	56.6





#74
1,2,4-Trimethylbenzene
Concen: 0.052 ppbv
RT: 17.10 min Scan# 4979
Delta R.T. -0.01 min
Lab File: VL031224.D
Acq: 14 Dec 2017 9:52

Tgt Ion:105 Resp: 30452

Ion	Ratio	Lower	Upper
105	100		
120	42.2	38.6	58.0
91	10.5	34.2	51.4#
77	13.9	16.1	24.1#