Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081618\

Quantitation Report (Not Reviewed)

Data File : VL032386.D
Acq On : 16 Aug 2018 21:03
Operator : SY/AP
Sample : J4457-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS02-MIVIDL

Quant Time: Aug 17 03:19:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	1767422	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3435267	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	3340801	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.64	95	2606164	10.23	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.11	85	7713	Below Cal		94
3) Chlorodifluoromethane	3.05	51	7080	0.043	ppbv	93
4) Chloromethane	3.21	50	3302	0.034	ppbv	97
9) Propene	3.27	41	108898	1.554	ppbv	100
10) Heptane	8.31	43	11975	0.057	ppbv #	20
13) Ethanol	3.70	45	63138	3.508	ppbv	97
15) Acetone	3.94	43	1159490	6.905	ppbv	95
17) tert-Butyl alcohol	4.43	59	13203	0.469	ppbv #	74
19) Isopropyl Alcohol	4.09	45	52858	0.467	ppbv #	1
20) Methylene Chloride	4.46	84	32626	0.514	ppbv	90
23) Vinyl Acetate	5.20	43	16646	0.057	ppbv #	20
25) Ethyl Acetate	5.83	43	59222	0.165	ppbv #	87
26) Hexane	5.83	57	63842	0.398	ppbv #	46
29) Chloroform	5.90	83	182021	0.774	ppbv	99
30) Cyclohexane	7.31	84	10213	0.084	ppbv #	1
34) 2-Butanone	5.40	43	71939	0.308	ppbv	100
35) Carbon Tetrachloride	7.20	117	12914	0.064	ppbv	86
36) Benzene	7.06	78	20085	0.069	ppbv #	89
39) 1,2-Dichloropropane	7.35	63	984110	8.089	ppbv #	26
41) Tetrahydrofuran	6.21	42	7920	0.063	ppbv #	51
52) Tetrachloroethene	11.44	164	573418	6.676	ppbv	95
53) Toluene	10.01	91	200221	0.627	ppbv	100
60) o-Xylene	13.91	91	17911	0.053	ppbv #	32
74) 1,2,4-Trimethylbenzene	16.99	105	29612	0.077	ppbv #	70
79) Naphthalene	22.49	128	8643	0.351	ppbv #	51
80) Naphthalene,2-methyl-	25.17	142	2506	0.033	ppbv	92

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

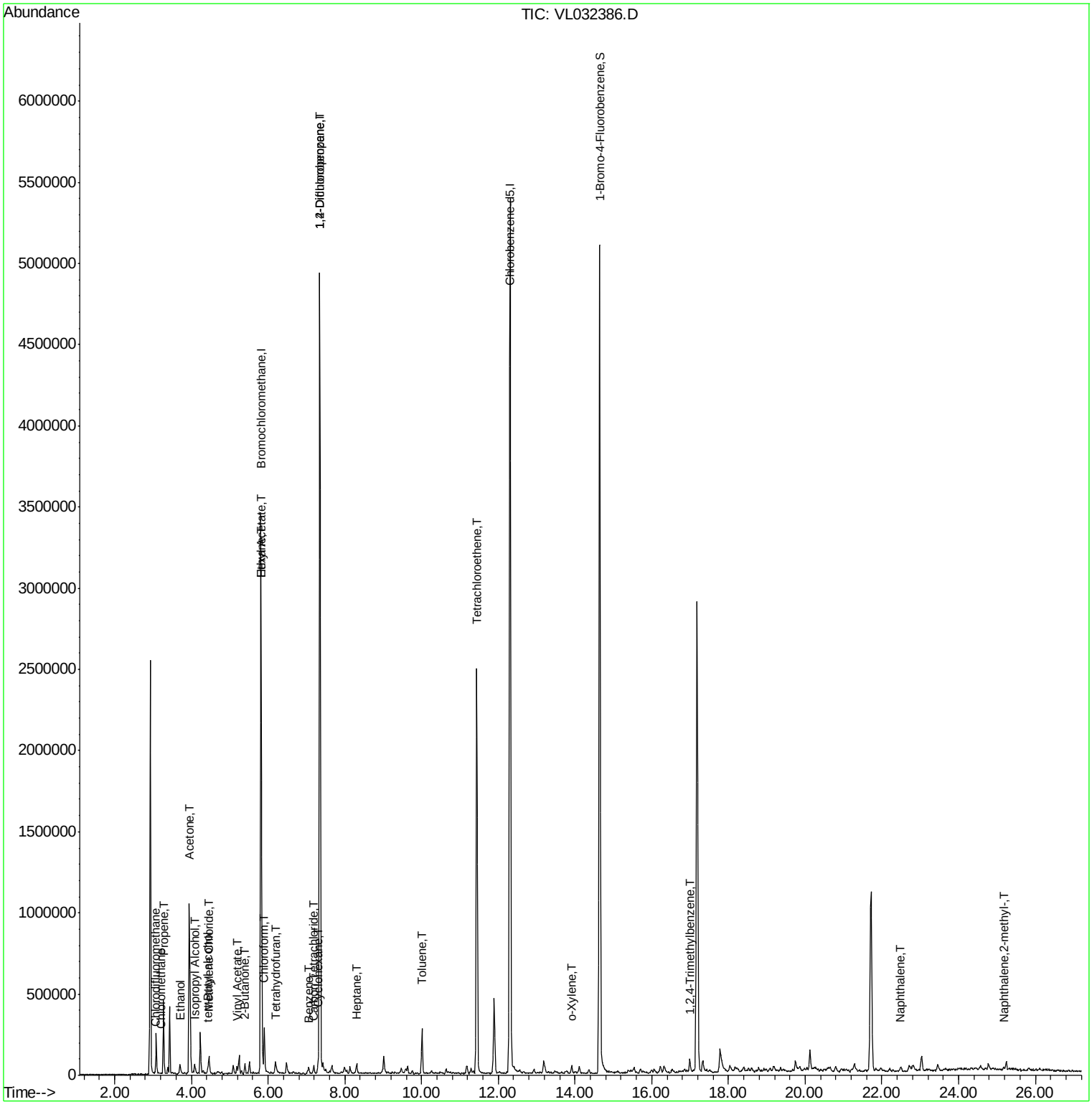
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081618\

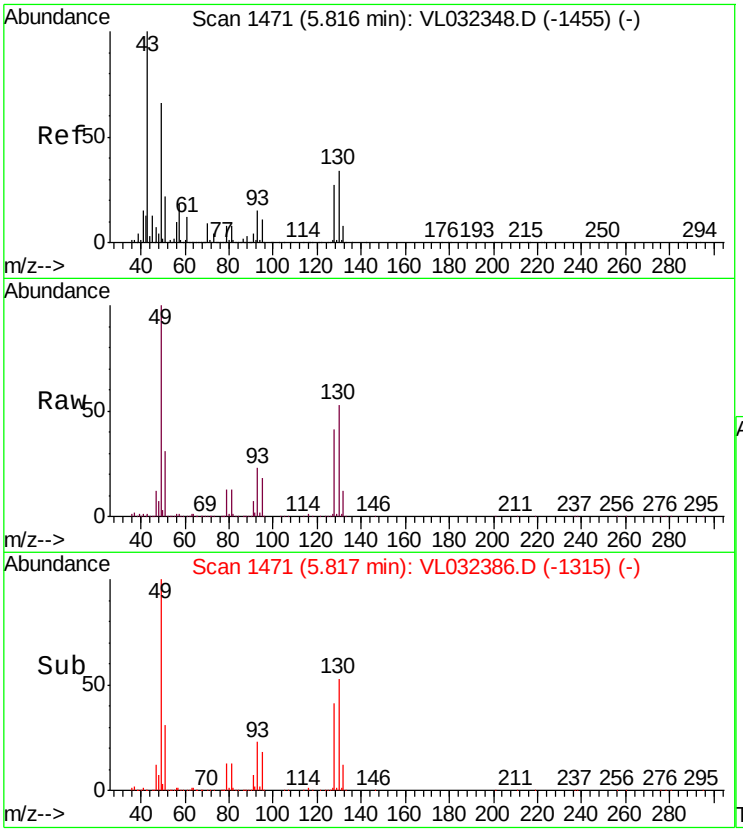
Quantitation Report (Not Reviewed)

Data File : VL032386.D
Acq On : 16 Aug 2018 21:03
Operator : SY/AP
Sample : J4457-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS02-MIVIDL

Quant Time: Aug 17 03:19:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration



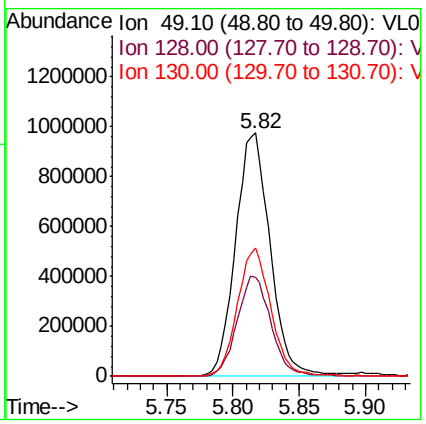


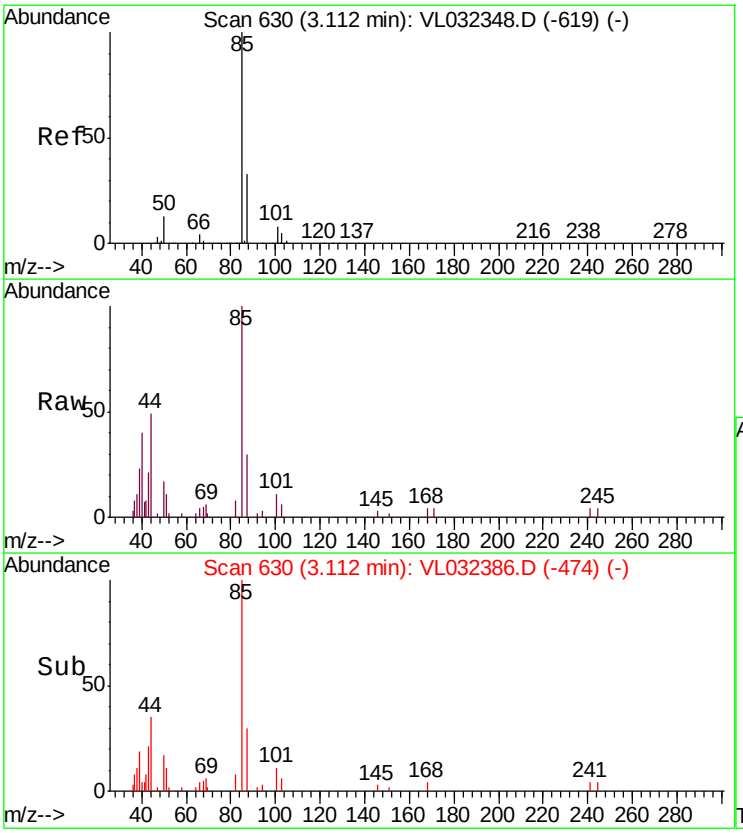
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.82 min Scan# 1471
Delta R.T. 0.00 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_L
ClientSampleId :
SS02-MIVIDL

Tgt Ion: 49 Resp: 1767422

Ion	Ratio	Lower	Upper
49	100		
128	40.9	20.5	61.6
130	51.7	26.2	78.5

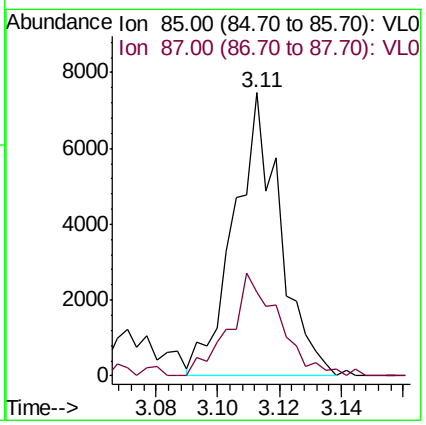


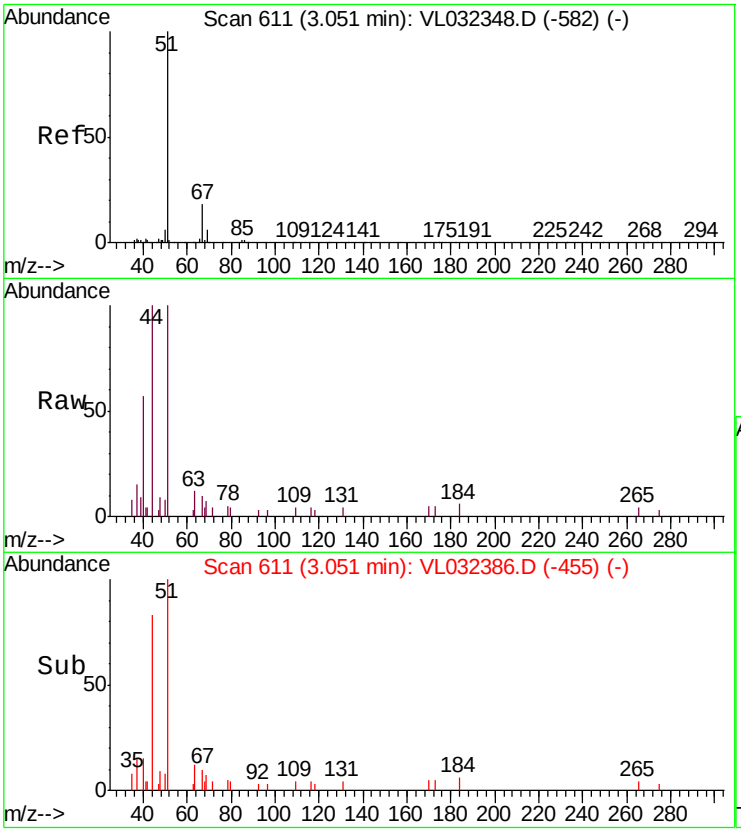


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 3.11 min Scan# 630
Delta R.T. 0.00 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Tgt Ion: 85 Resp: 7713

Ion	Ratio	Lower	Upper
85	100		
87	29.5	26.3	39.5



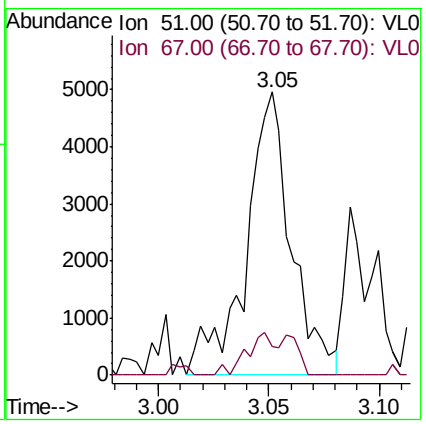


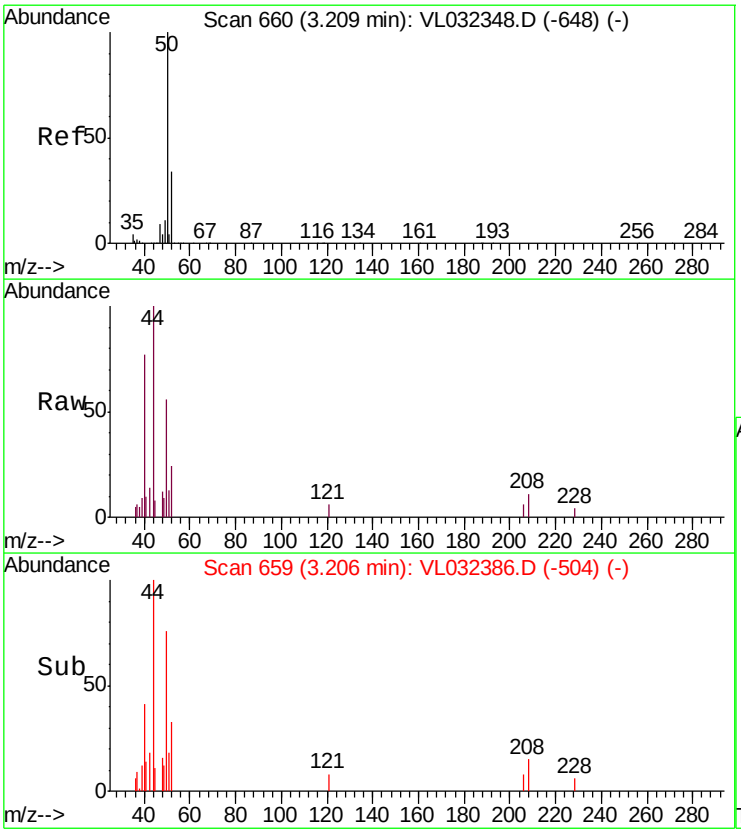
#3
Chlorodifluoromethane
Concen: 0.043 ppbv
RT: 3.05 min Scan# 611
Delta R.T. 0.00 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_L
ClientSampleId :
SS02-MIVIDL

Tgt Ion: 51 Resp: 7080

Ion	Ratio	Lower	Upper
51	100		
67	14.2	13.7	20.5

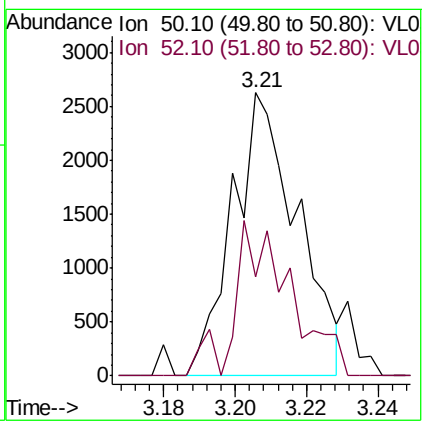


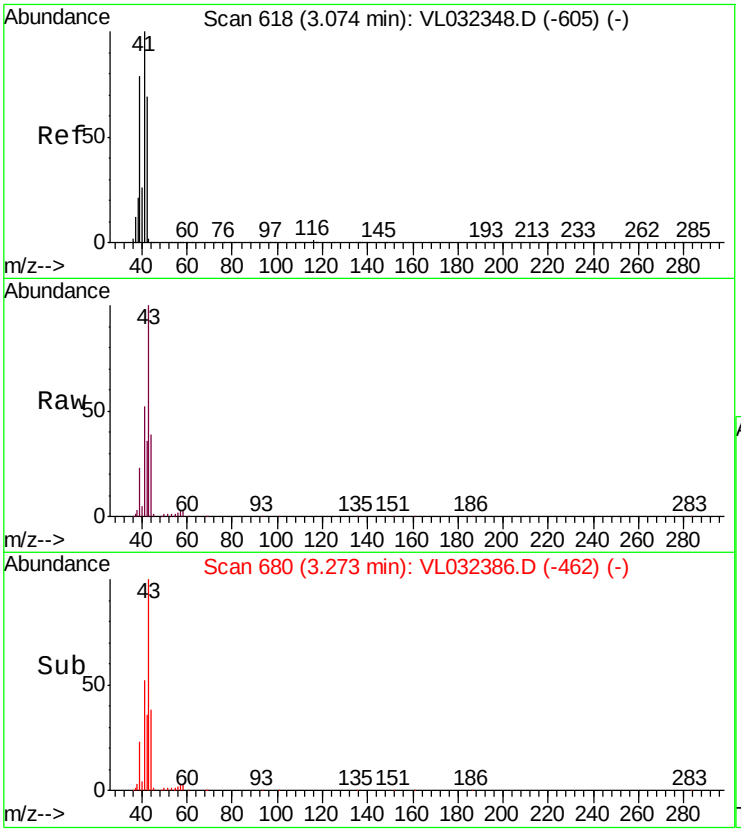


#4
Chloromethane
Concen: 0.034 ppbv
RT: 3.21 min Scan# 659
Delta R.T. -0.00 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Tgt Ion: 50 Resp: 3302

Ion	Ratio	Lower	Upper
50	100		
52	35.1	26.8	40.2



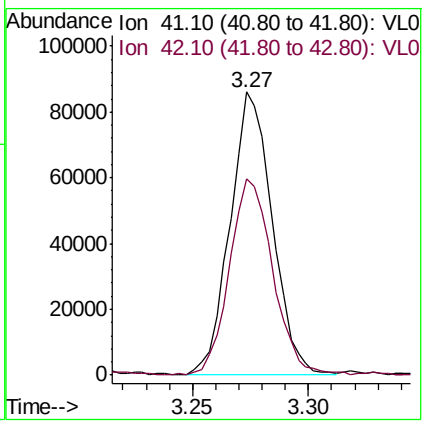


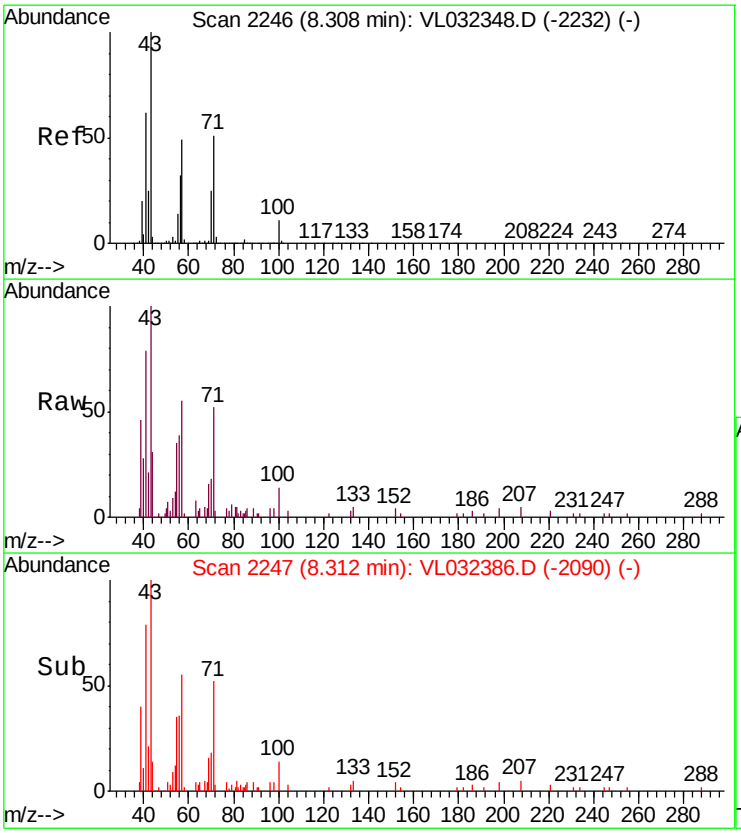
#9
Propene
Concen: 1.554 ppbv
RT: 3.27 min Scan# 680
Delta R.T. 0.20 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_L
ClientSampleId :
SS02-MIVIDL

Tgt Ion: 41 Resp: 108898

Ion	Ratio	Lower	Upper
41	100		
42	70.3	55.9	83.9

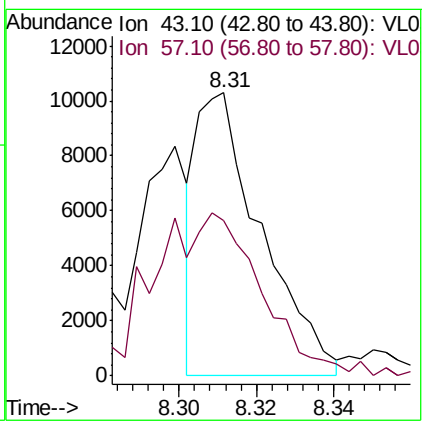


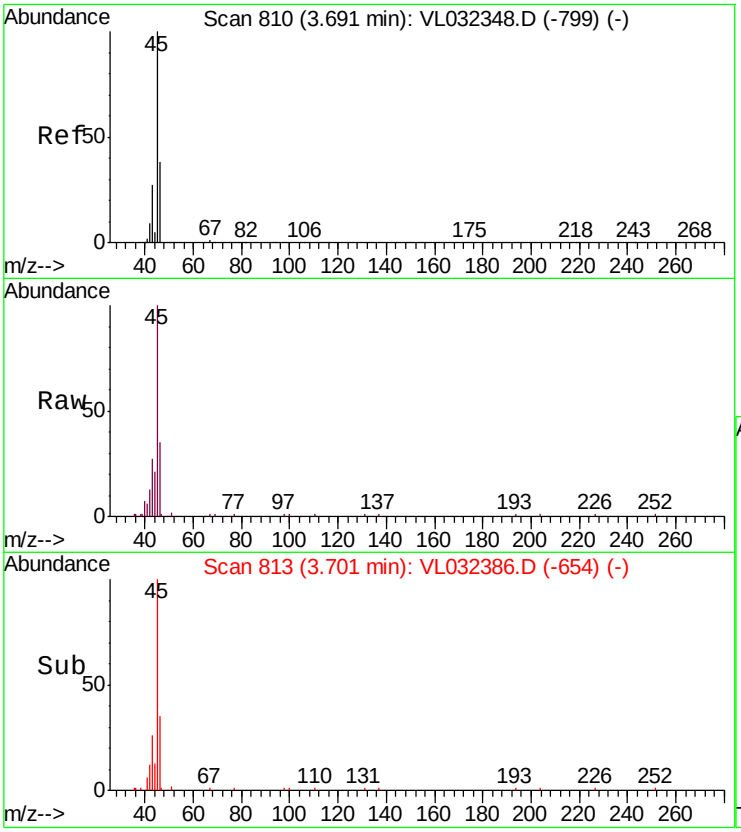


#10
Heptane
Concen: 0.057 ppbv
RT: 8.31 min Scan# 2247
Delta R.T. 0.00 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Tgt Ion: 43 Resp: 11975

Ion	Ratio	Lower	Upper
43	100		
57	103.9	39.5	59.3#



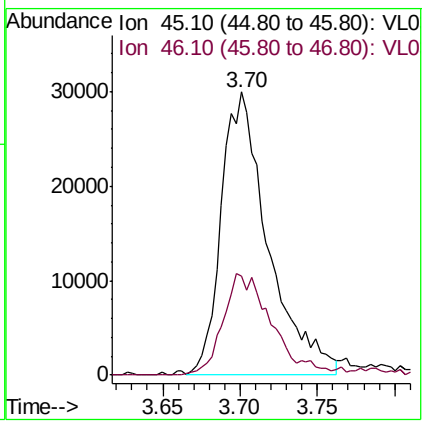


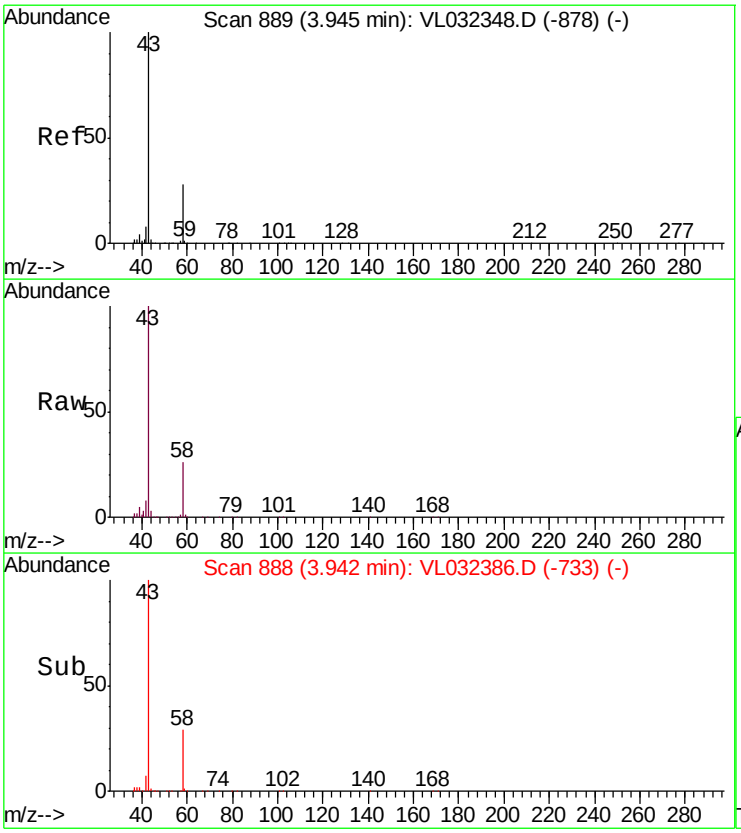
#13
Ethanol
Concen: 3.508 ppbv
RT: 3.70 min Scan# 813
Delta R.T. 0.01 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_L
ClientSampleId :
SS02-MIVIDL

Tgt Ion: 45 Resp: 63138

Ion	Ratio	Lower	Upper
45	100		
46	37.4	15.6	62.4

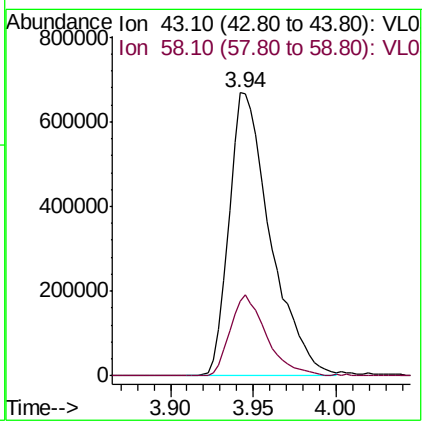


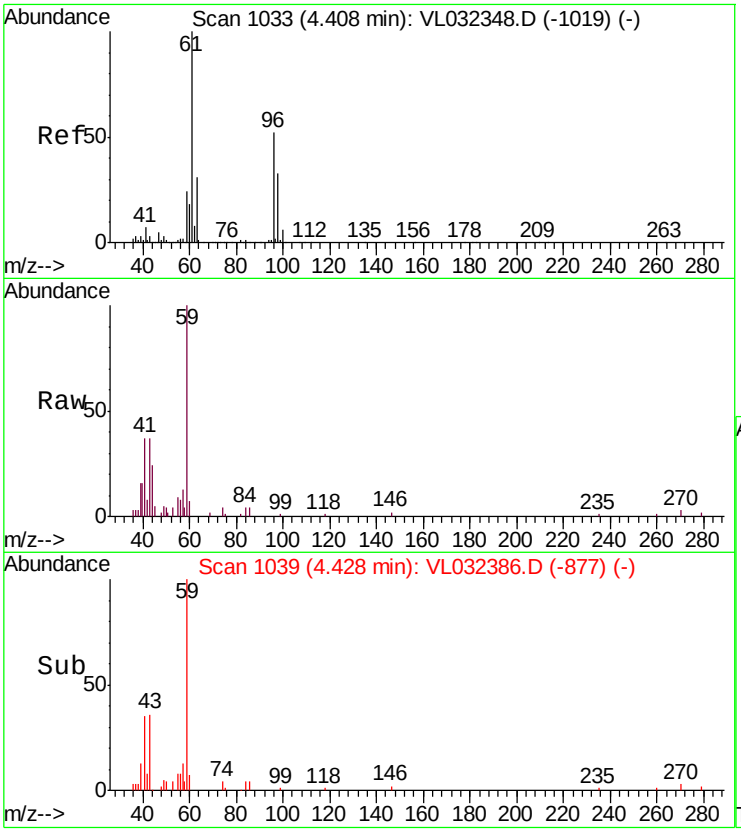


#15
Acetone
Concen: 6.905 ppbv
RT: 3.94 min Scan# 888
Delta R.T. -0.00 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Tgt Ion: 43 Resp: 1159490

Ion	Ratio	Lower	Upper
43	100		
58	25.6	22.4	33.6



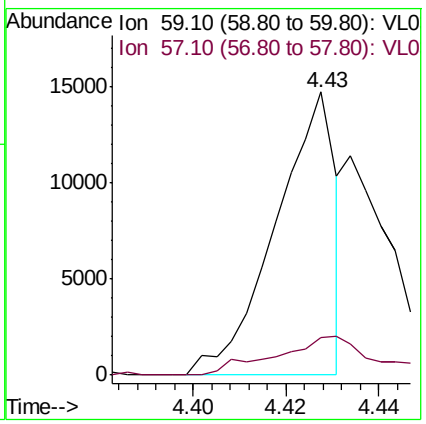


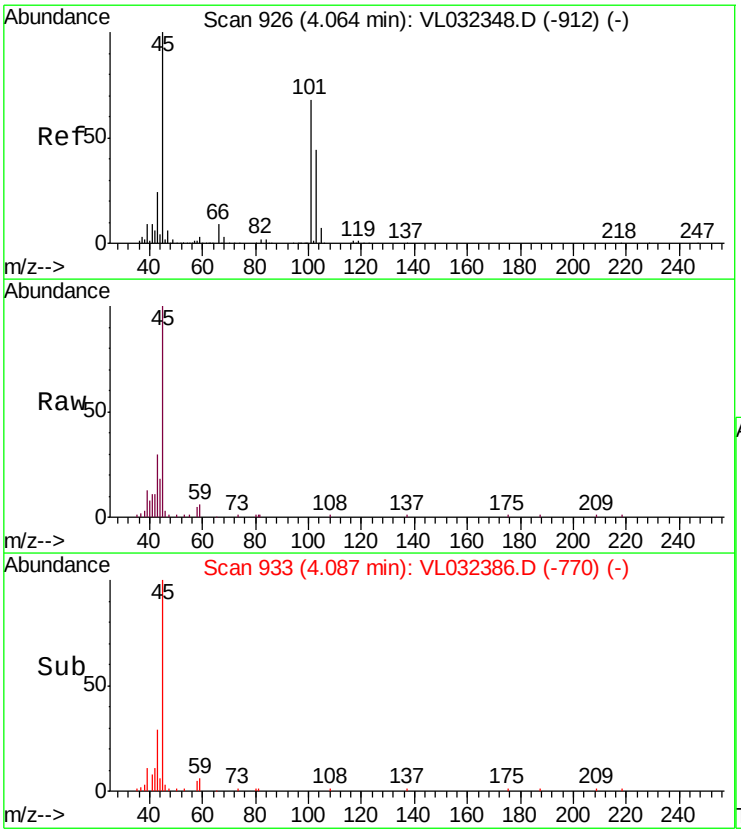
#17
tert-Butyl alcohol
Concen: 0.469 ppbv
RT: 4.43 min Scan# 1039
Delta R.T. 0.02 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_L
ClientSampleId :
SS02-MIVIDL

Tgt Ion: 59 Resp: 13203

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.6	11.4#

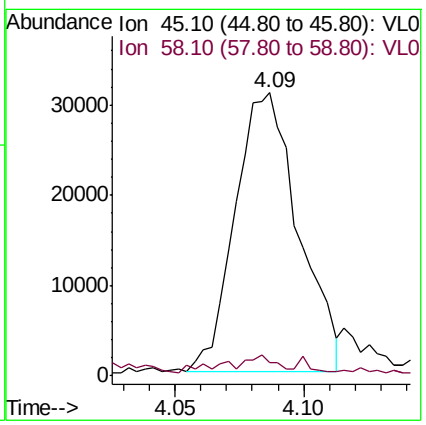


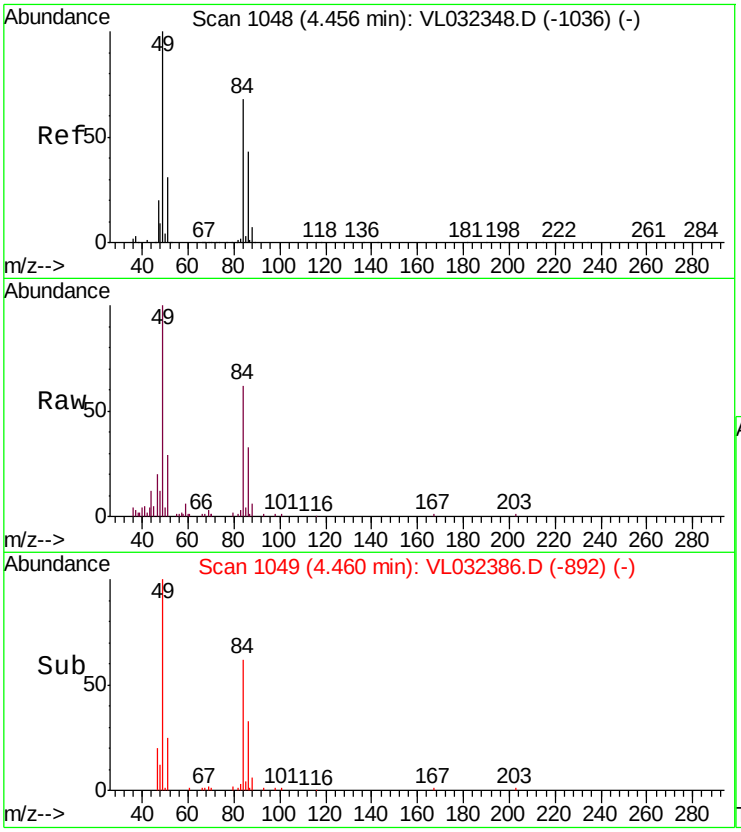


#19
Isopropyl Alcohol
Concen: 0.467 ppbv
RT: 4.09 min Scan# 933
Delta R.T. 0.02 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Tgt Ion: 45 Resp: 52858

Ion	Ratio	Lower	Upper
45	100		
58	562.0	1.4	2.0#



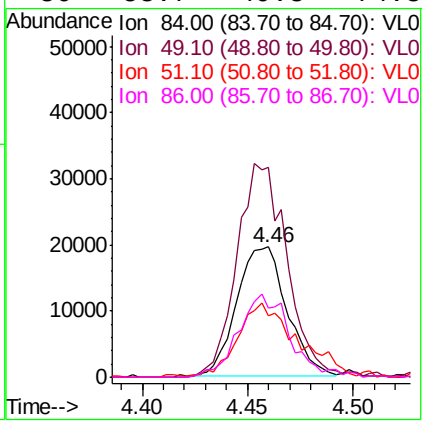


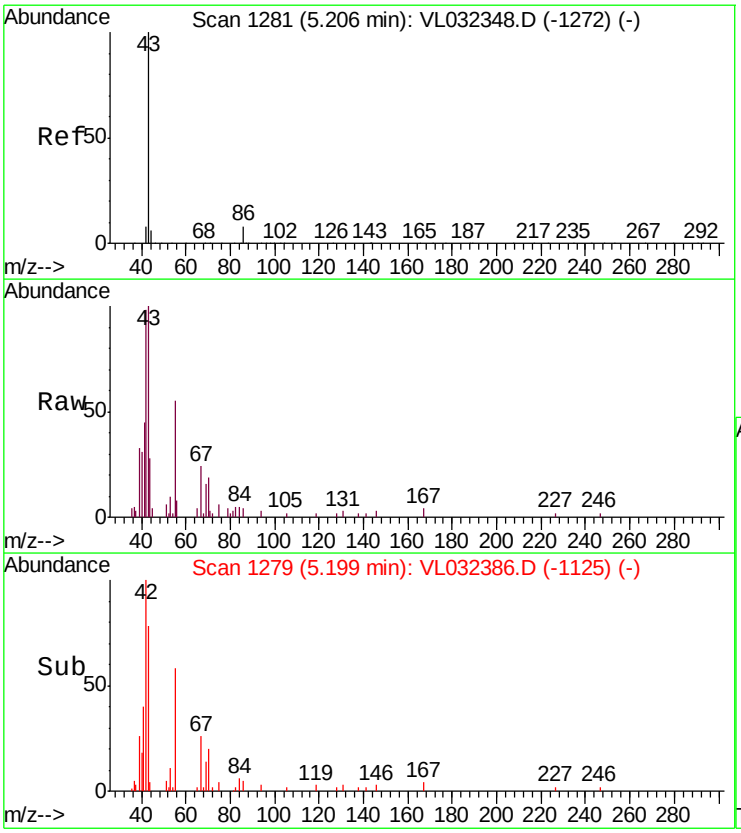
#20
Methylene Chloride
Concen: 0.514 ppbv
RT: 4.46 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Instrument : MSVOA_L
ClientSampleId : SS02-MIVIDL

Tgt Ion: 84 Resp: 32626

Ion	Ratio	Lower	Upper
84	100		
49	162.0	117.3	175.9
51	46.8	36.6	55.0
86	53.7	49.8	74.8

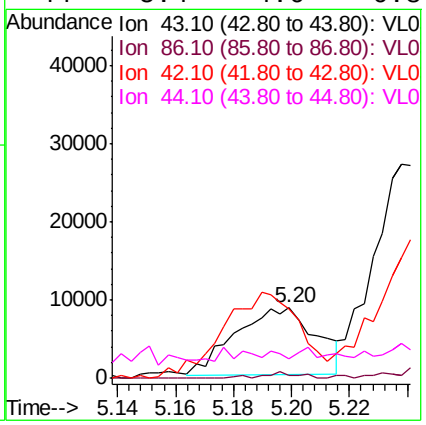


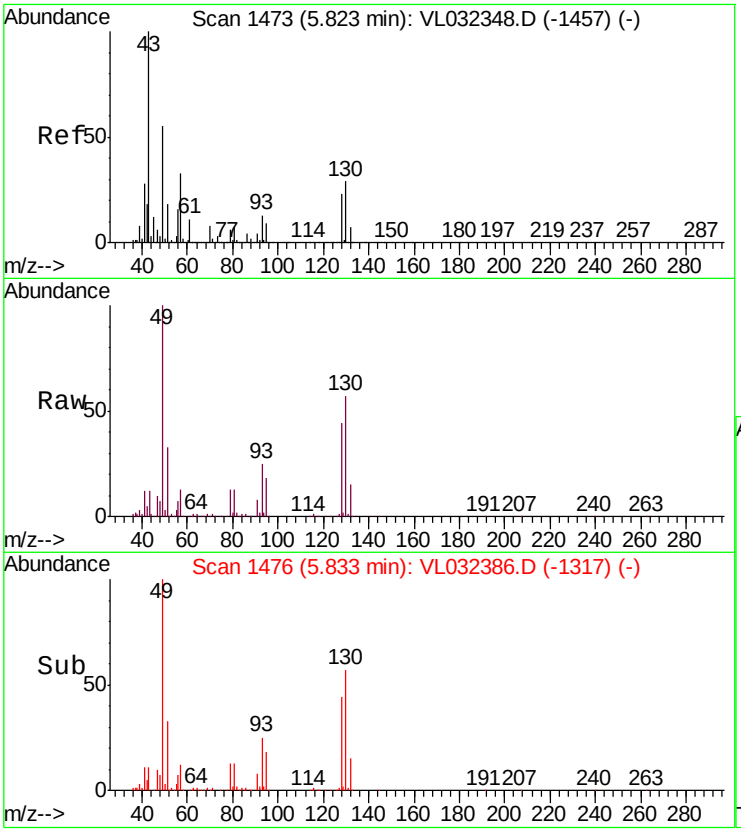


#23
Vinyl Acetate
Concen: 0.057 ppbv
RT: 5.20 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Tgt Ion: 43 Resp: 16646

Ion	Ratio	Lower	Upper
43	100		
86	4.4	5.5	8.3#
42	76.9	7.0	10.6#
44	5.4	4.6	6.8



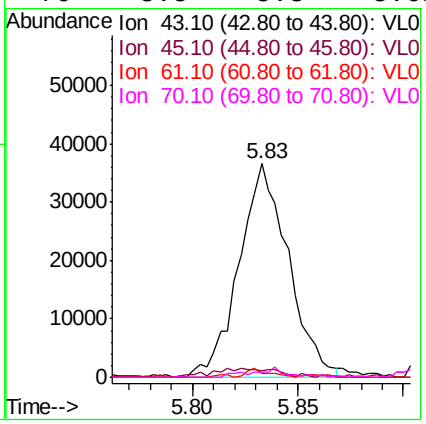


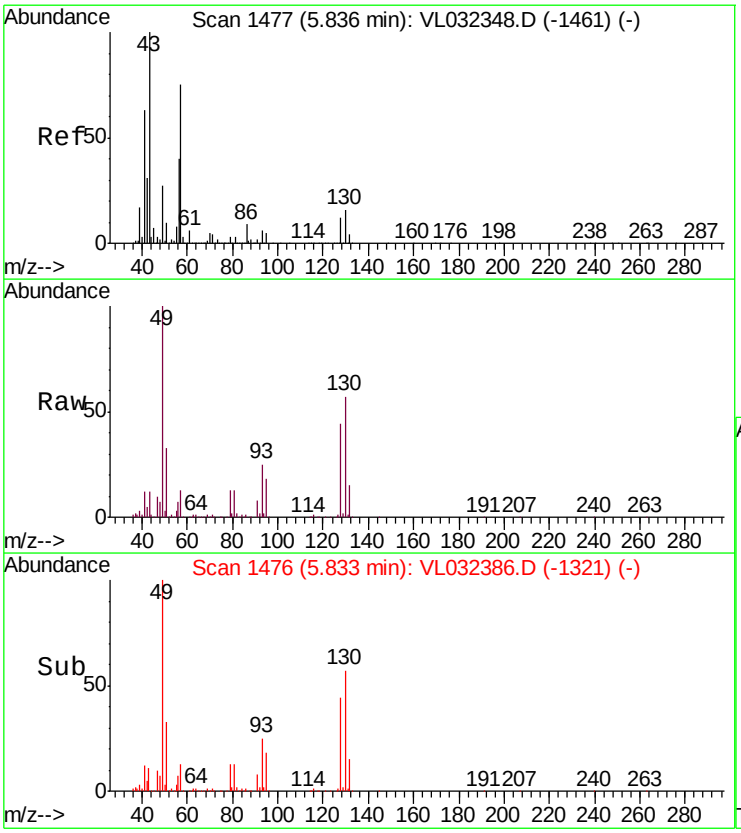
#25
Ethyl Acetate
Concen: 0.165 ppbv
RT: 5.83 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Instrument : MSVOA_L
ClientSampleId : SS02-MIVIDL

Tgt Ion: 43 Resp: 59222

Ion	Ratio	Lower	Upper
43	100		
45	6.1	7.9	11.9#
61	2.7	7.4	11.2#
70	3.5	5.8	8.6#

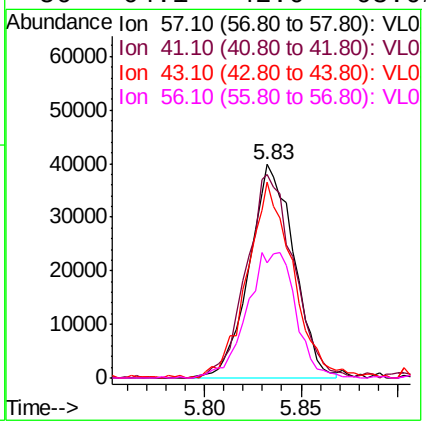


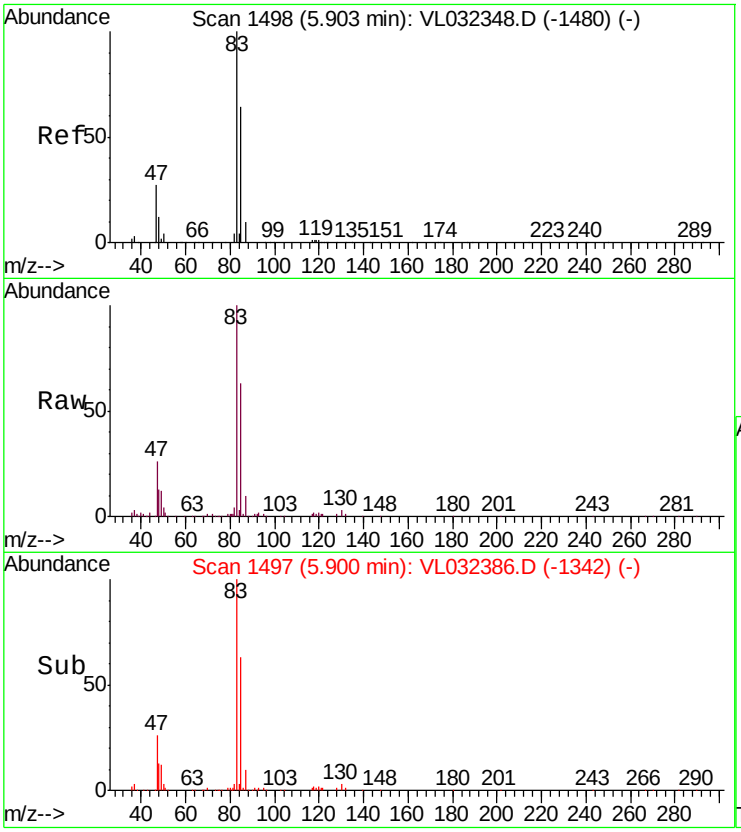


#26
Hexane
Concen: 0.398 ppbv
RT: 5.83 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Tgt Ion: 57 Resp: 63842

Ion	Ratio	Lower	Upper
57	100		
41	101.0	68.0	102.0
43	95.4	175.3	262.9#
56	64.1	42.0	63.0#



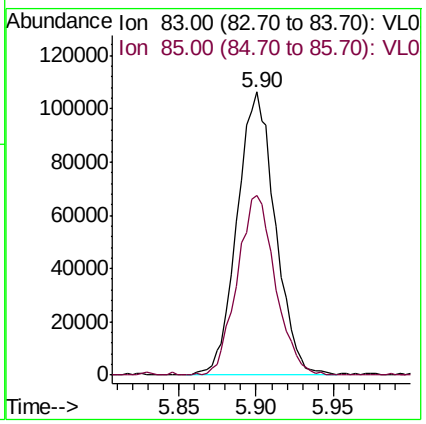


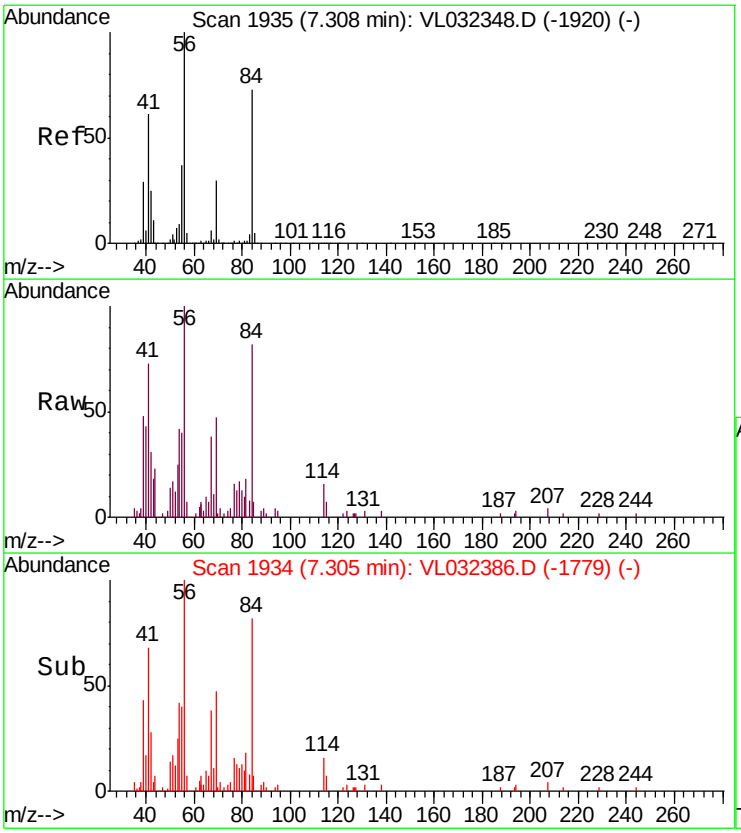
#29
Chloroform
Concen: 0.774 ppbv
RT: 5.90 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_L
ClientSampleId :
SS02-MIVIDL

Tgt Ion: 83 Resp: 182021

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.6	77.4

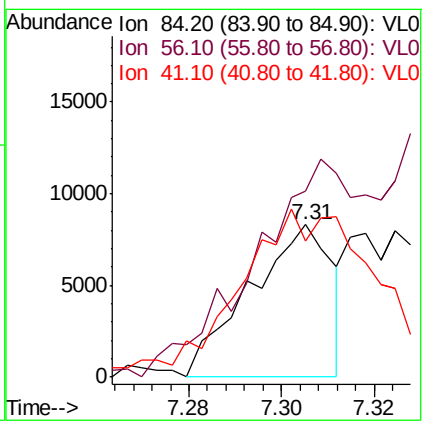


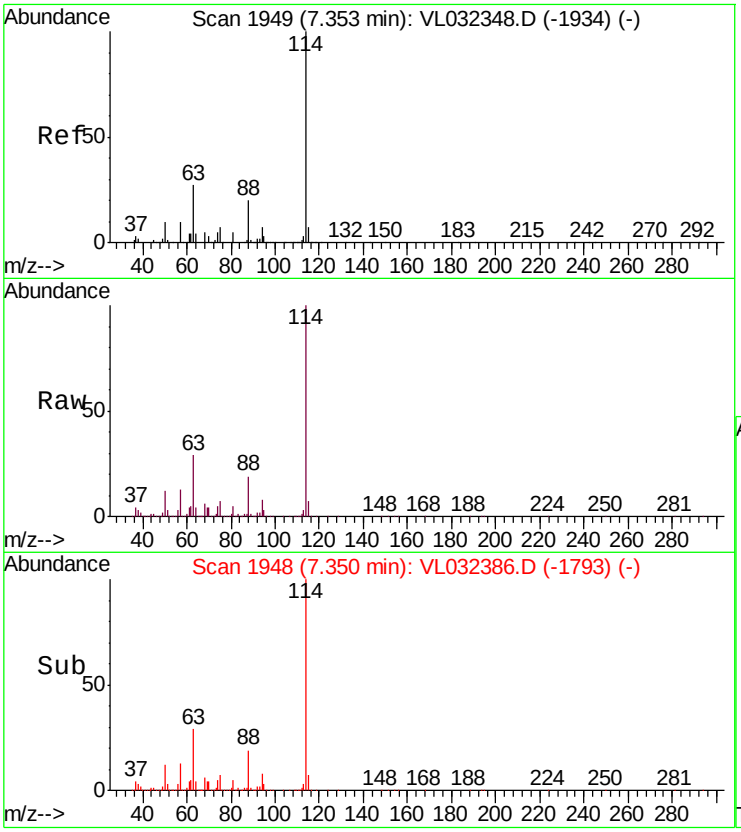


#30
Cyclohexane
Concen: 0.084 ppbv
RT: 7.31 min Scan# 1934
Delta R.T. -0.00 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Tgt Ion: 84 Resp: 10213

Ion	Ratio	Lower	Upper
84	100		
56	0.0	115.7	173.5#
41	220.3	67.9	101.9#



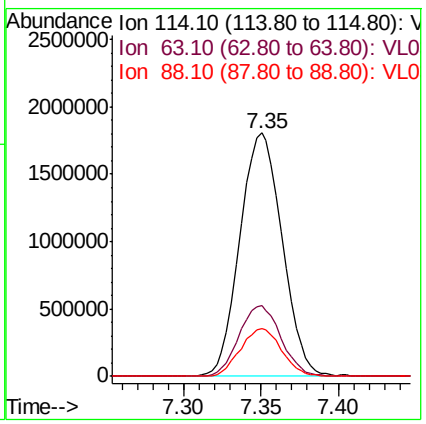


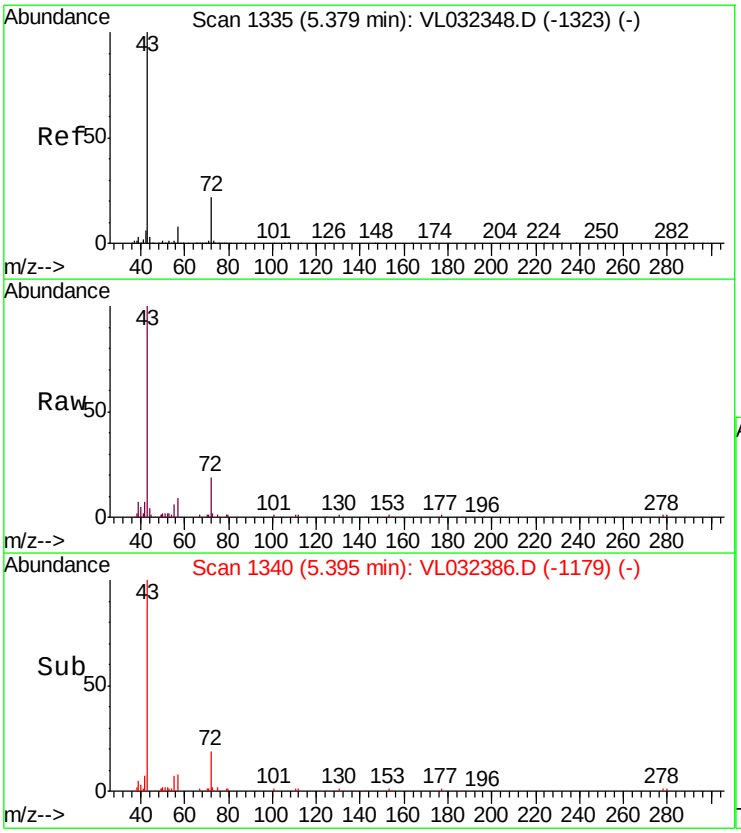
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.35 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_L
ClientSampleId :
SS02-MIVIDL

Tgt Ion:114 Resp: 3435267

Ion	Ratio	Lower	Upper
114	100		
63	28.9	22.0	33.0
88	19.2	15.3	22.9

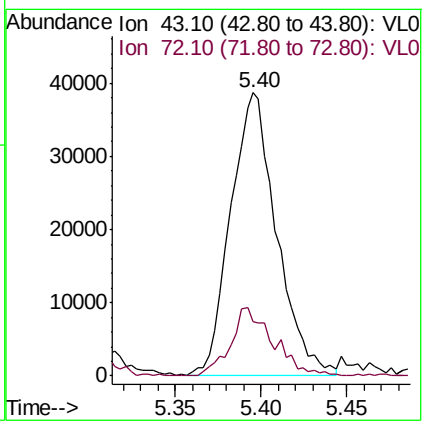


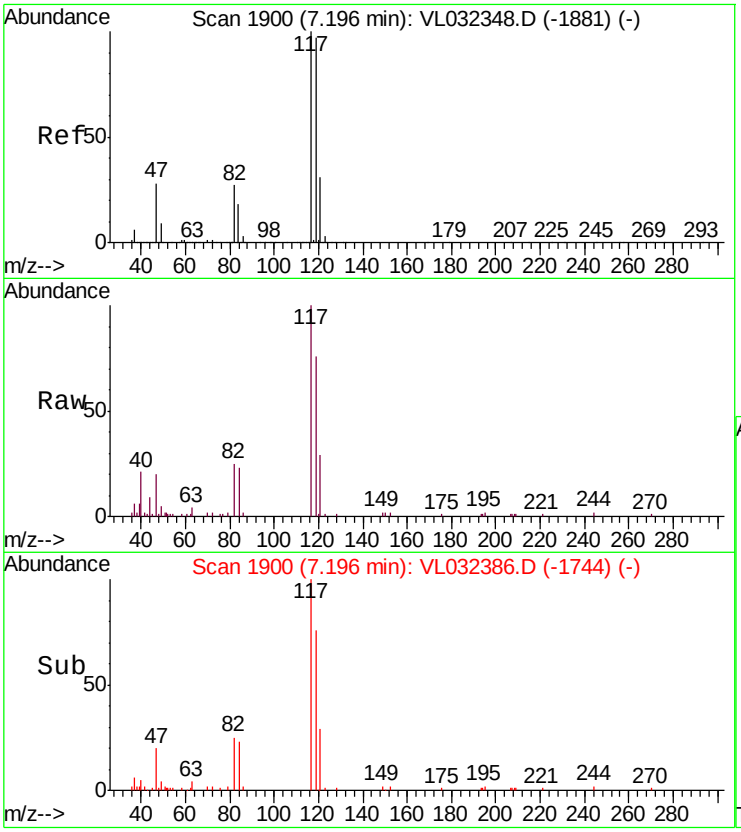


#34
2-Butanone
Concen: 0.308 ppbv
RT: 5.40 min Scan# 1340
Delta R.T. 0.02 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Tgt Ion: 43 Resp: 71939

Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.9	26.9



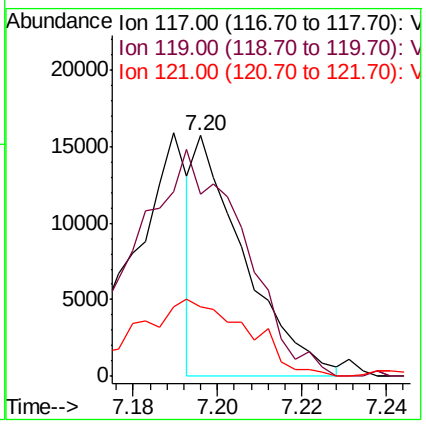


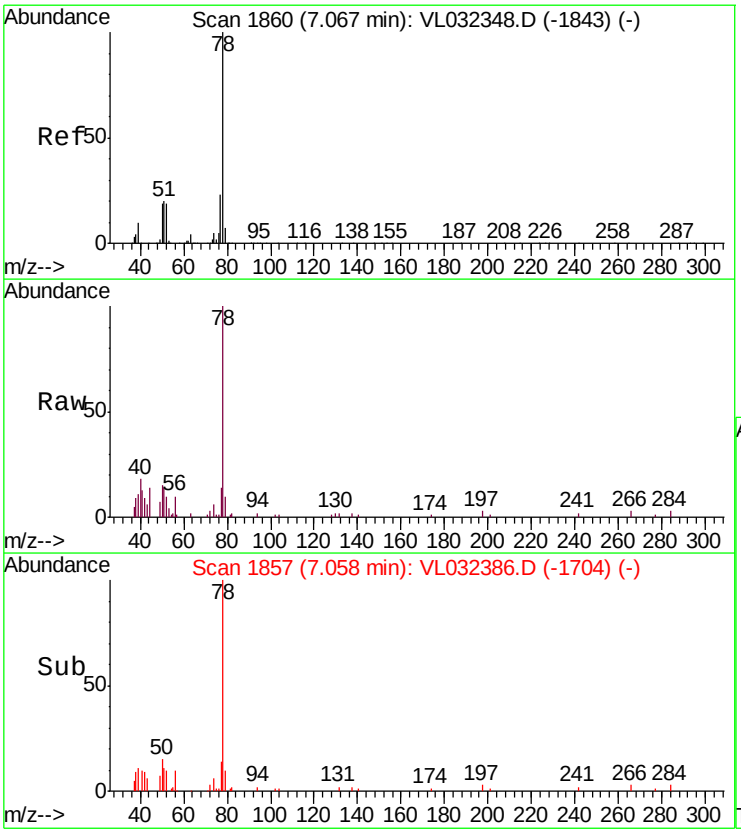
#35
Carbon Tetrachloride
Concen: 0.064 ppbv
RT: 7.20 min Scan# 1900
Delta R.T. 0.00 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Instrument : MSVOA_L
ClientSampleId : SS02-MIVIDL

Tgt Ion:117 Resp: 12914

Ion	Ratio	Lower	Upper
117	100		
119	78.7	77.2	115.8
121	29.8	25.1	37.7

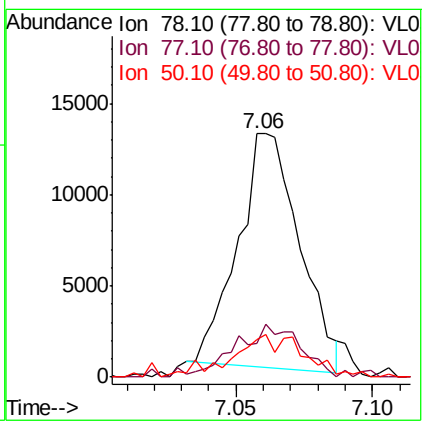


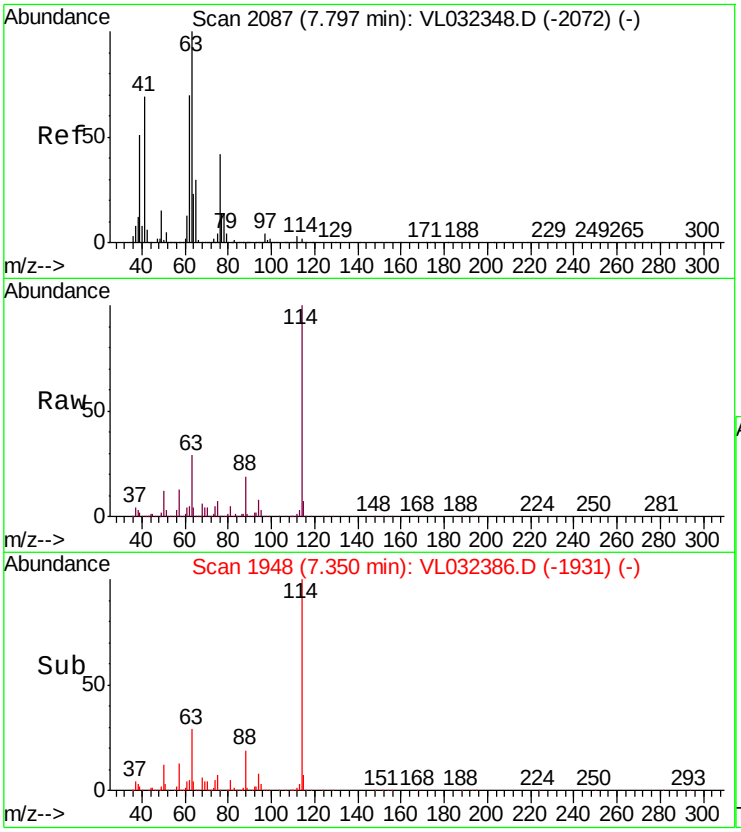


#36
Benzene
Concen: 0.069 ppbv
RT: 7.06 min Scan# 1857
Delta R.T. -0.01 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Tgt Ion: 78 Resp: 20085

Ion	Ratio	Lower	Upper
78	100		
77	15.4	18.0	27.0#
50	15.5	15.1	22.7



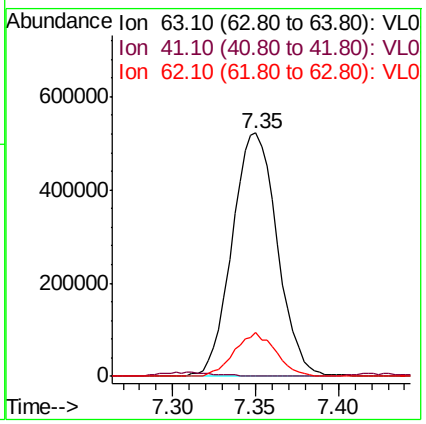


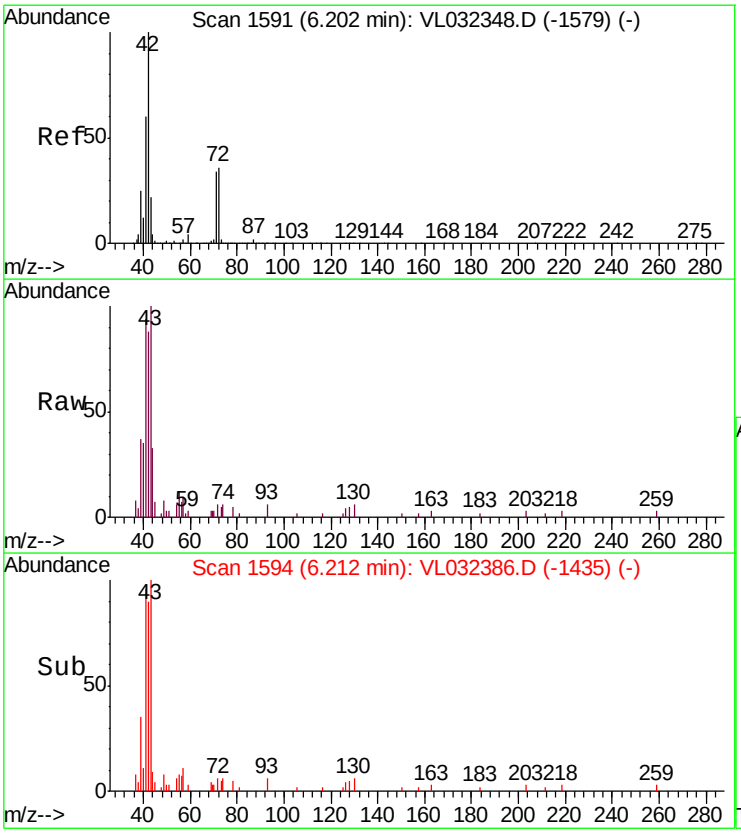
#39
1,2-Dichloropropane
Concen: 8.089 ppbv
RT: 7.35 min Scan# 1948
Delta R.T. -0.45 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Instrument : MSVOA_L
ClientSampleId : SS02-MIVIDL

Tgt Ion: 63 Resp: 984110

Ion	Ratio	Lower	Upper
63	100		
41	0.1	55.5	83.3#
62	17.8	56.3	84.5#

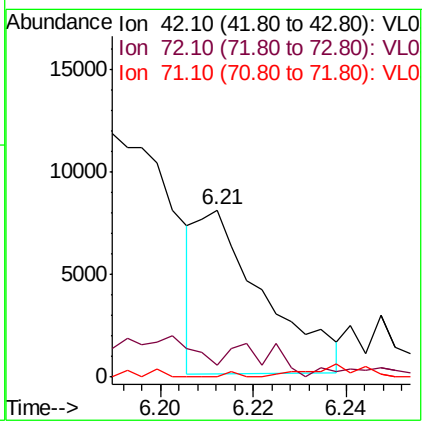


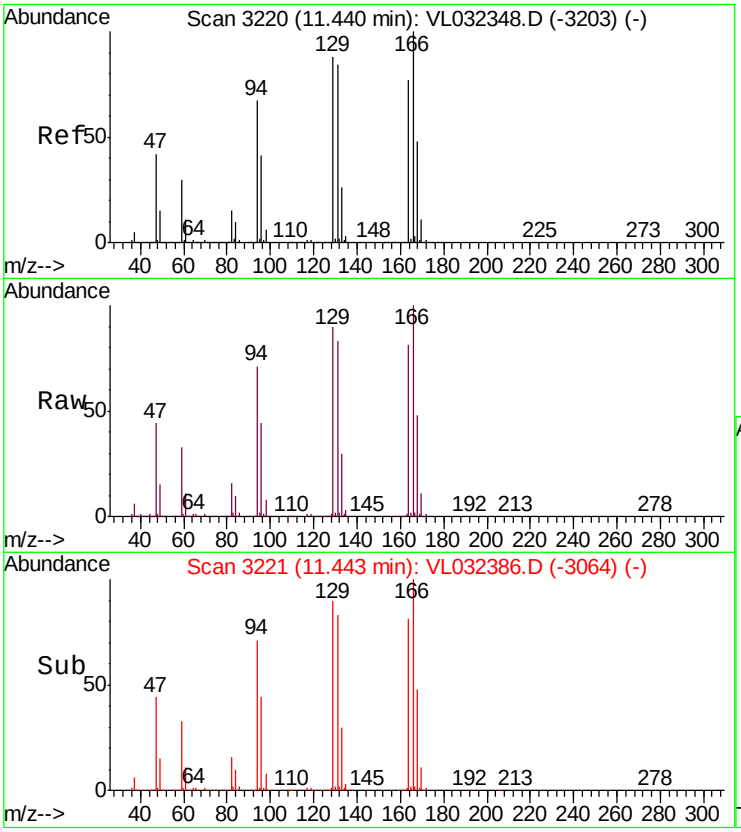


#41
Tetrahydrofuran
Concen: 0.063 ppbv
RT: 6.21 min Scan# 1594
Delta R.T. 0.01 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Tgt Ion: 42 Resp: 7920

Ion	Ratio	Lower	Upper
42	100		
72	60.1	29.8	44.6#
71	0.0	28.2	42.2#



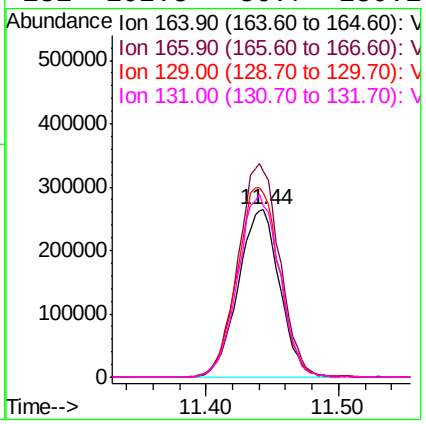


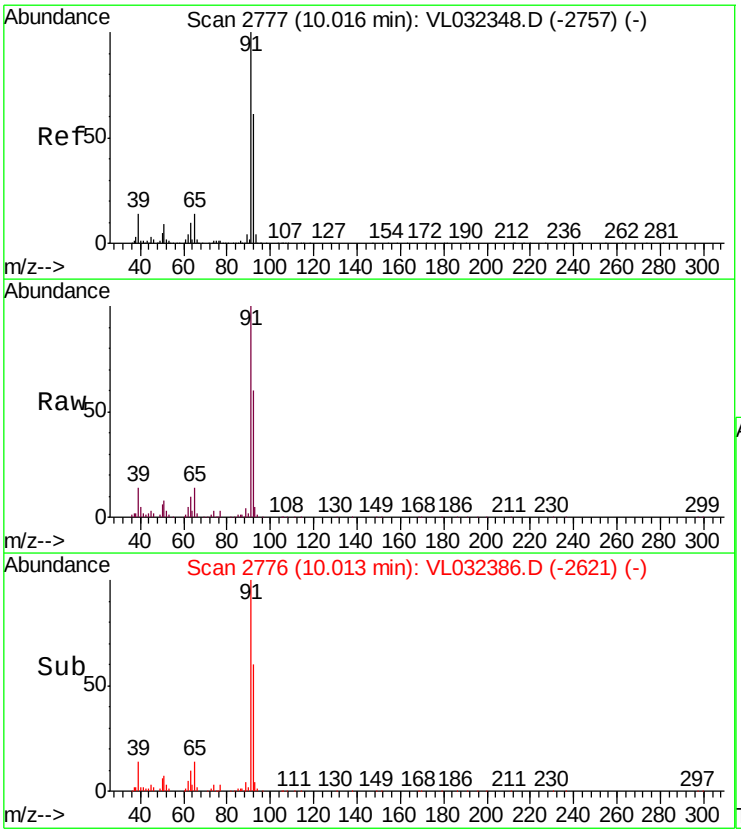
#52
Tetrachloroethene
Concen: 6.676 ppbv
RT: 11.44 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Instrument : MSVOA_L
ClientSampleId : SS02-MIVIDL

Tgt Ion:164 Resp: 573418

Ion	Ratio	Lower	Upper
164	100		
166	122.8	103.5	155.3
129	110.3	90.9	136.3
131	102.3	86.7	130.1

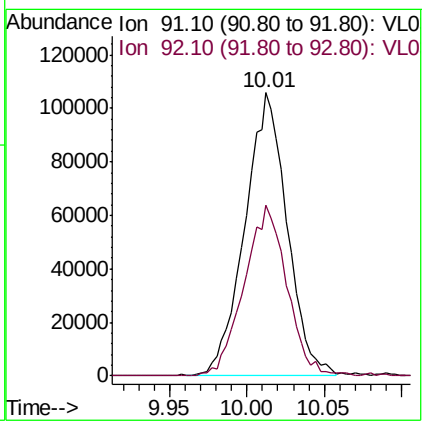


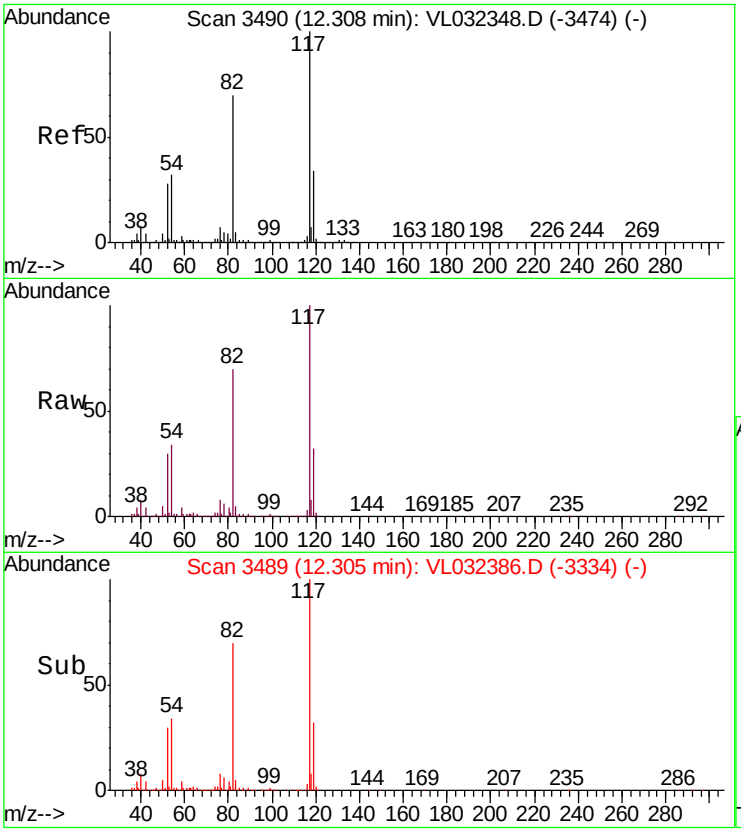


#53
Toluene
Concen: 0.627 ppbv
RT: 10.01 min Scan# 2776
Delta R.T. -0.00 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Tgt Ion: 91 Resp: 200221

Ion	Ratio	Lower	Upper
91	100		
92	61.0	48.7	73.1



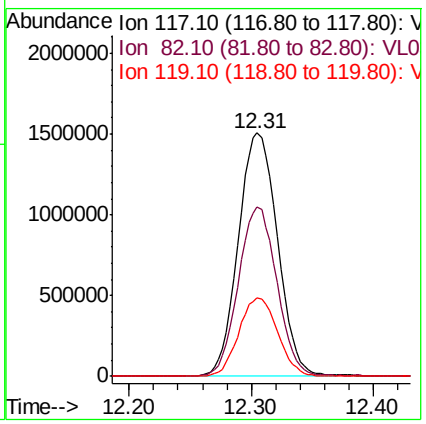


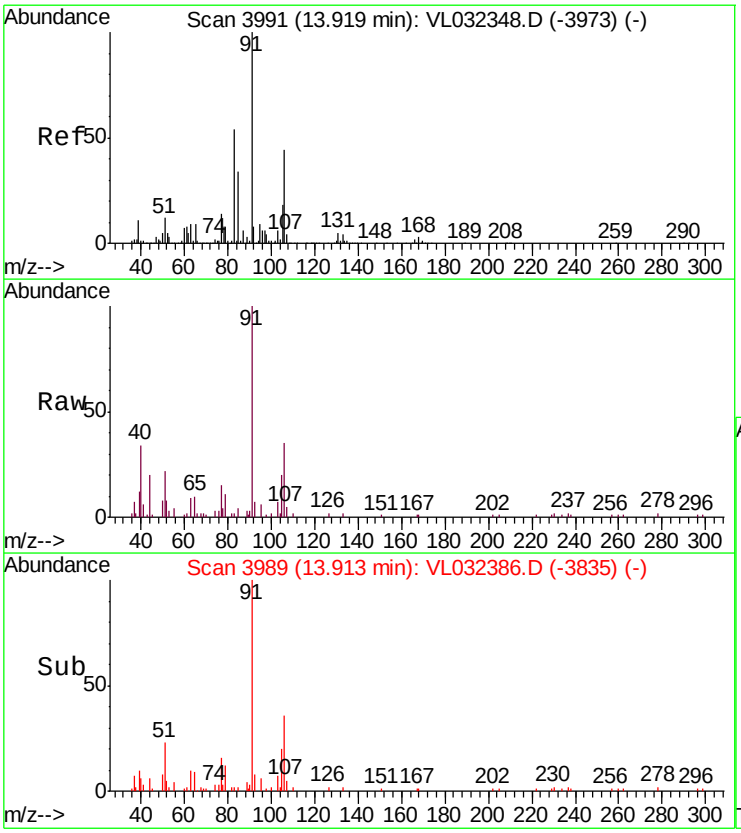
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.31 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_L
ClientSampleId :
SS02-MIVIDL

Tgt Ion:117 Resp: 3340801

Ion	Ratio	Lower	Upper
117	100		
82	69.2	55.1	82.7
119	32.1	46.0	69.0#

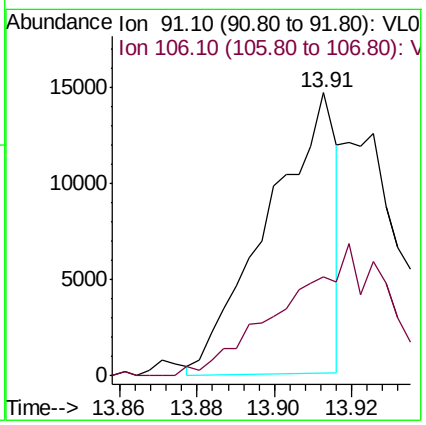


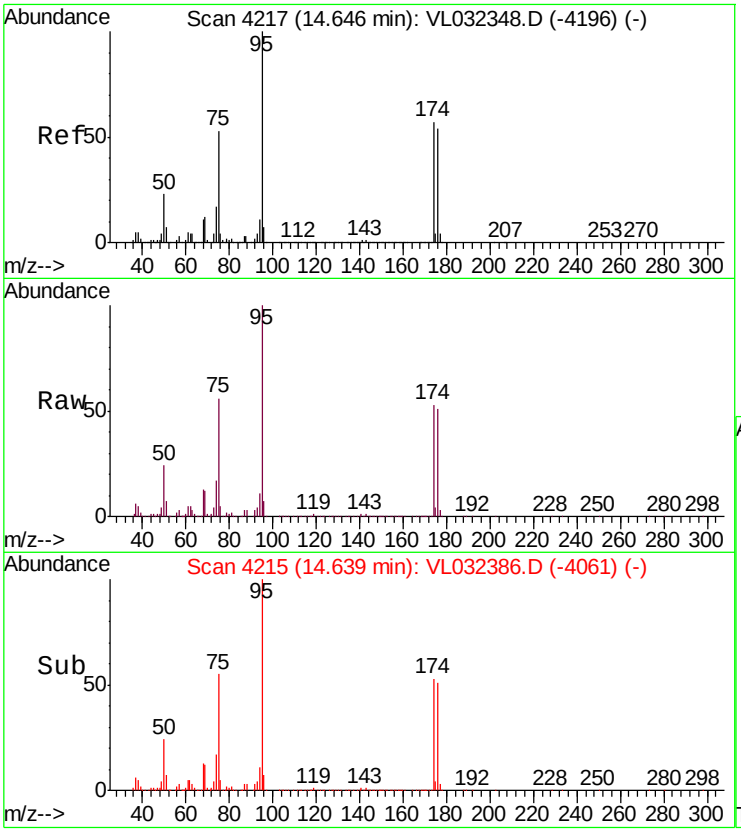


#60
o-Xylene
Concen: 0.053 ppbv
RT: 13.91 min Scan# 3989
Delta R.T. -0.01 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Tgt Ion: 91 Resp: 17911

Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.3	66.8#



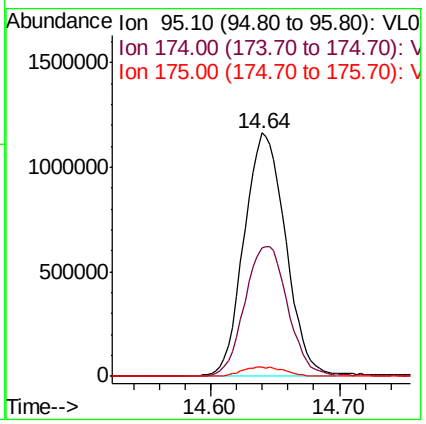


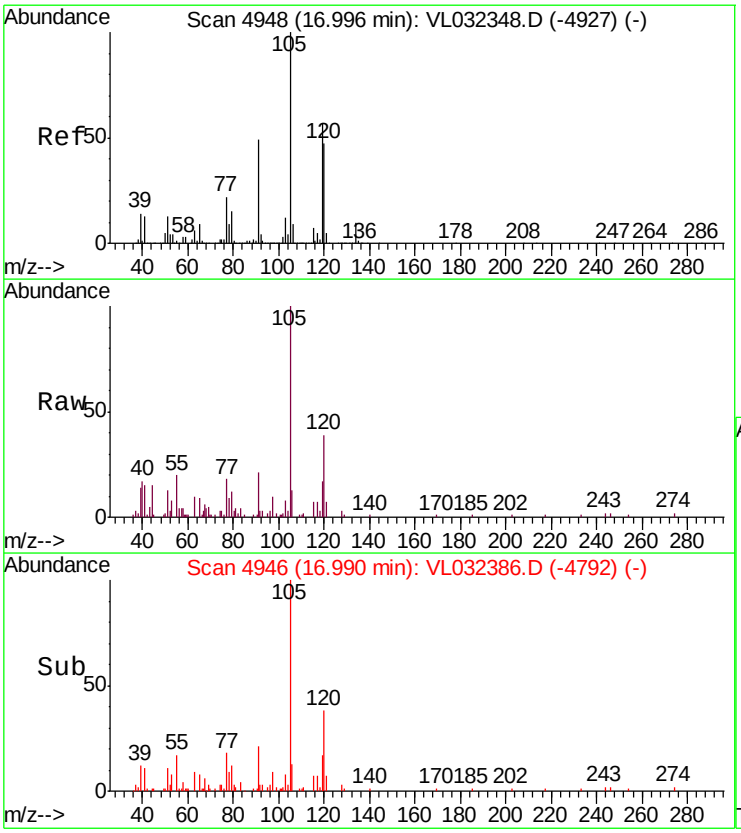
#68
1-Bromo-4-Fluorobenzene
Concen: 10.225 ppbv
RT: 14.64 min Scan# 4215
Delta R.T. -0.01 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_L
ClientSampleId :
SS02-MIVIDL

Tgt Ion: 95 Resp: 2606164

Ion	Ratio	Lower	Upper
95	100		
174	56.0	46.2	69.4
175	4.1	3.4	5.0

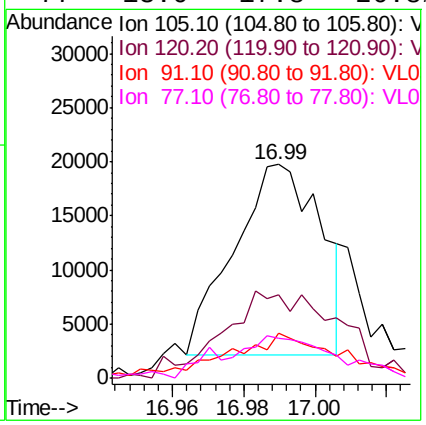


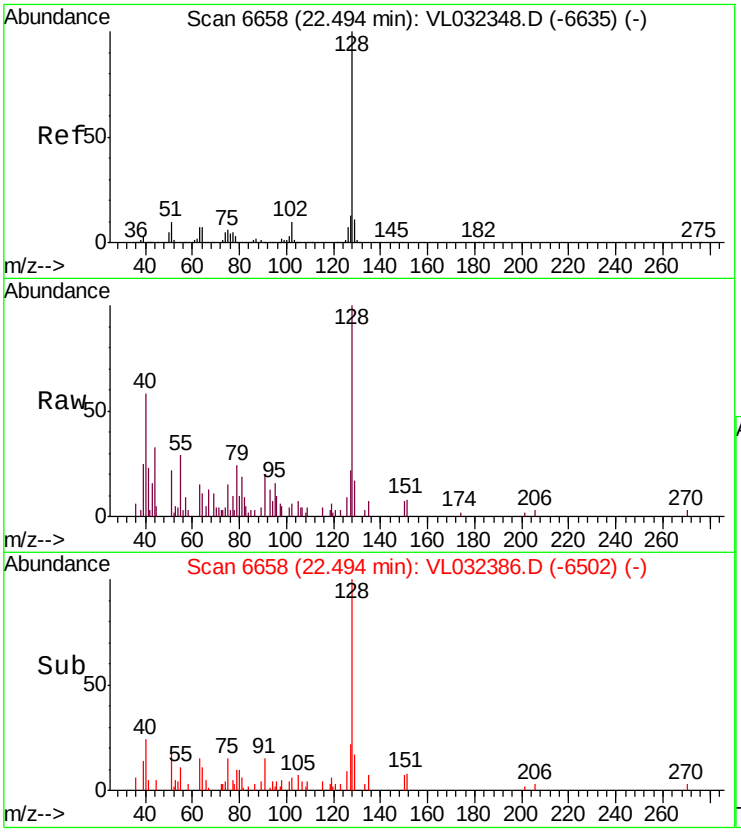


#74
1,2,4-Trimethylbenzene
Concen: 0.077 ppbv
RT: 16.99 min Scan# 4946
Delta R.T. -0.01 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Tgt Ion:105 Resp: 29612

Ion	Ratio	Lower	Upper
105	100		
120	33.8	37.6	56.4#
91	19.9	39.9	59.9#
77	13.0	17.8	26.8#



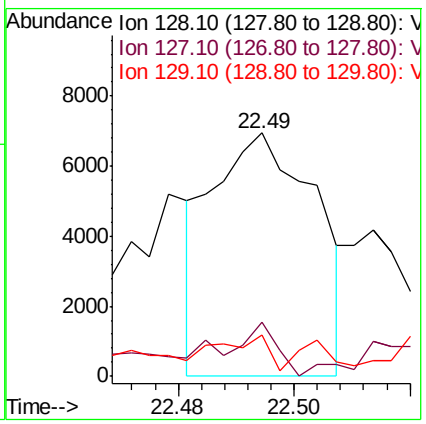


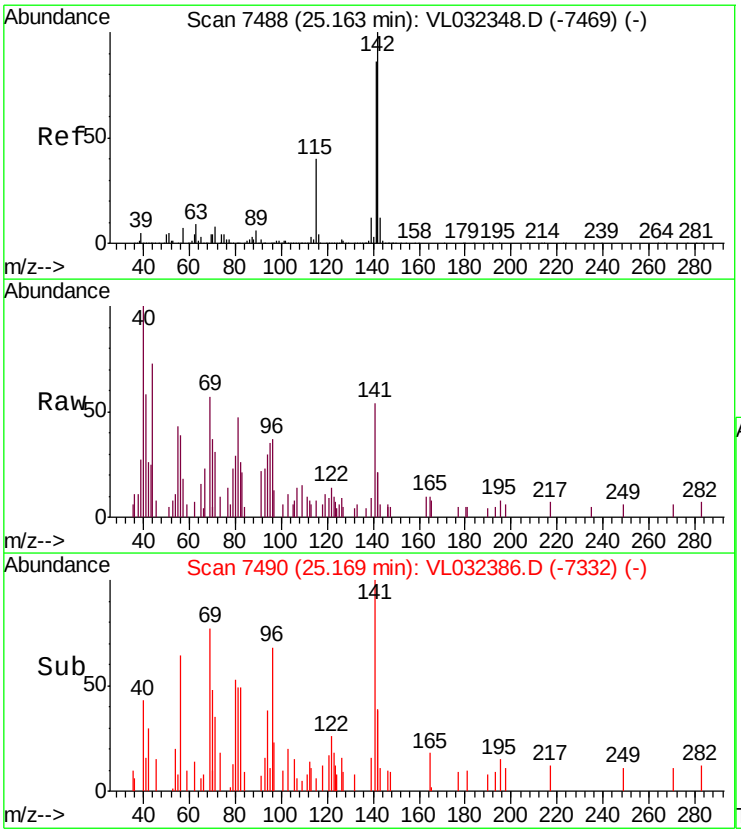
#79
Naphthalene
Concen: 0.351 ppbv
RT: 22.49 min Scan# 6658
Delta R.T. 0.00 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_L
ClientSampleId :
SS02-MIVIDL

Tgt Ion:128 Resp: 8643

Ion	Ratio	Lower	Upper
128	100		
127	38.0	10.3	15.5#
129	23.2	8.6	13.0#





#80
Naphthalene,2-methyl-
Concen: 0.033 ppbv
RT: 25.17 min Scan# 7490
Delta R.T. 0.01 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Tgt Ion:142 Resp: 2506

Ion	Ratio	Lower	Upper
142	100		
141	91.3	66.7	100.1
115	43.2	31.0	46.6