Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021419\
Data File : VL033221.D
Acq On : 15 Feb 2019 6:08
Operator : SY/AP
Sample : K1483-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : INFLUENT

Quant Time: Feb 15 15:57:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	859741	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1904332	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1859147	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1495320	10.44	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	56428	0.343	ppbv	92
3) Chlorodifluoromethane	3.02	51	35093m	0.339	ppbv	
4) Chloromethane	3.17	50	13991	0.256	ppbv	96
11) Trichlorofluoromethane	4.01	101	12703	0.095	ppbv	98
13) Ethanol	3.66	45	41571m	2.493	ppbv	
15) Acetone	3.91	43	230157	2.376	ppbv	92
17) tert-Butyl alcohol	4.39	59	21778m	1.179	ppbv	
19) Isopropyl Alcohol	4.05	45	12198m	0.186	ppbv	
20) Methylene Chloride	4.41	84	35779	0.929	ppbv	93
26) Hexane	5.78	57	34706	0.339	ppbv #	42
32) 1,1,1-Trichloroethane	6.62	97	7248m	0.042	ppbv	
34) 2-Butanone	5.35	43	44611	0.369	ppbv	98
53) Toluene	9.95	91	36156	0.158	ppbv	98
58) Ethyl Benzene	12.87	91	58490	0.194	ppbv	96
59) m/p-Xylene	13.13	91	261852	1.043	ppbv #	100
60) o-Xylene	13.85	91	60892	0.249	ppbv	98

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

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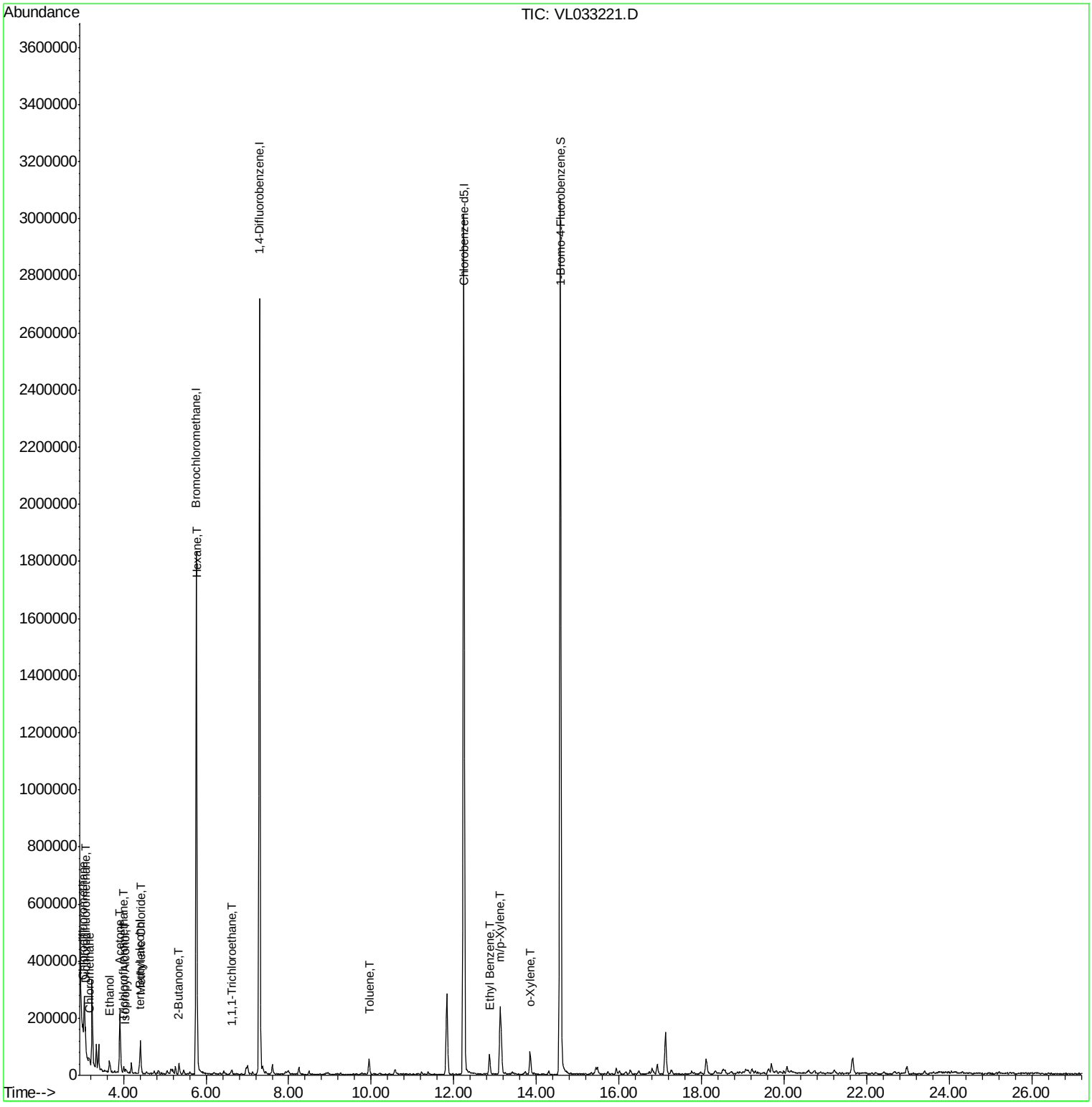
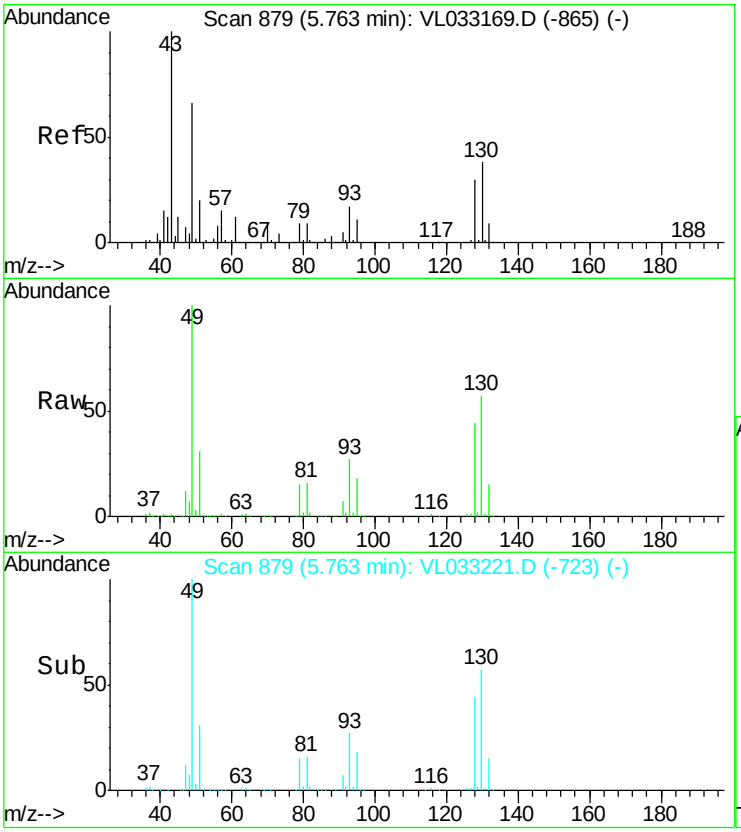
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration



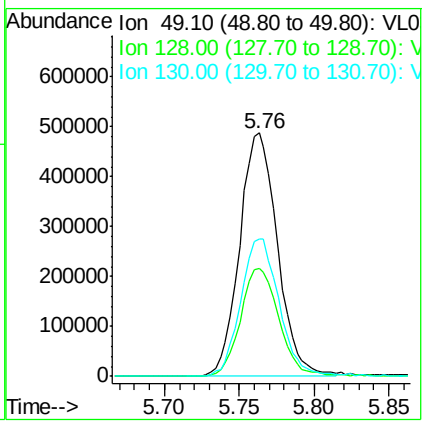


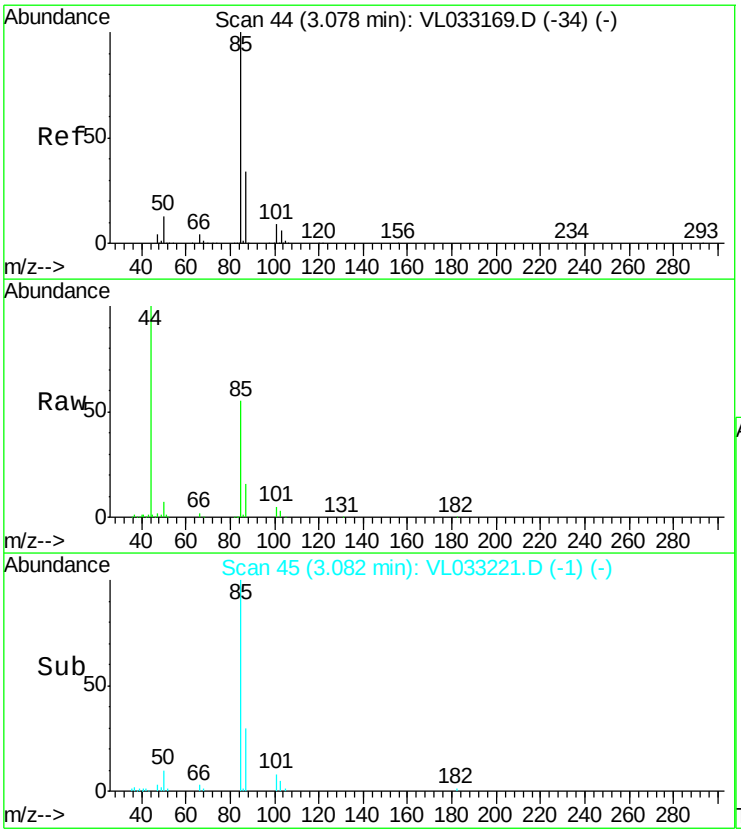
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033221.D
Acq: 15 Feb 2019 6:08

Instrument : MSVOA_L
ClientSampleId : INFLUENT

Tgt Ion: 49 Resp: 859741

Ion	Ratio	Lower	Upper
49	100		
128	45.5	23.6	71.0
130	58.0	30.3	91.0

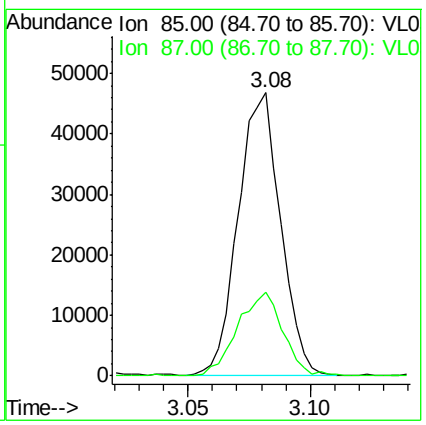


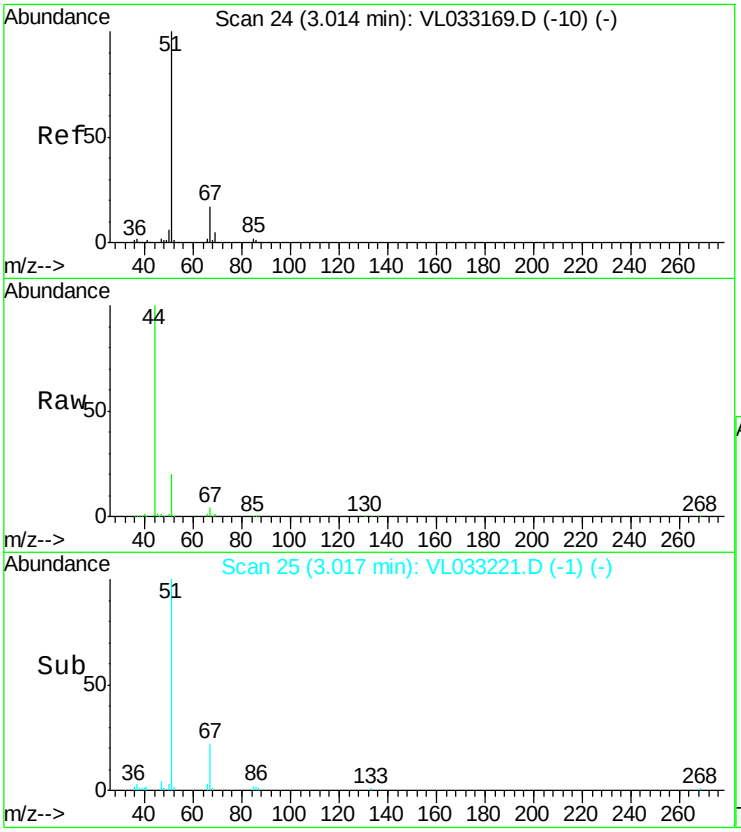


#2
Dichlorodifluoromethane
Concen: 0.343 ppbv
RT: 3.08 min Scan# 45
Delta R.T. 0.00 min
Lab File: VL033221.D
Acq: 15 Feb 2019 6:08

Tgt Ion: 85 Resp: 56428

Ion	Ratio	Lower	Upper
85	100		
87	29.7	27.4	41.2



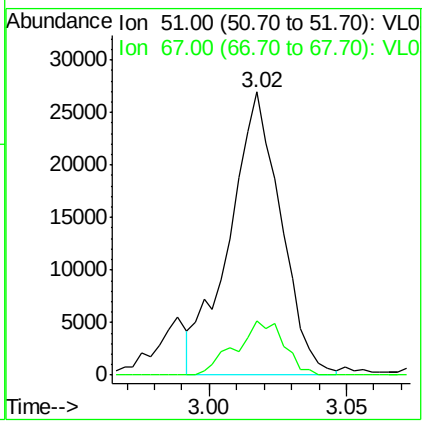


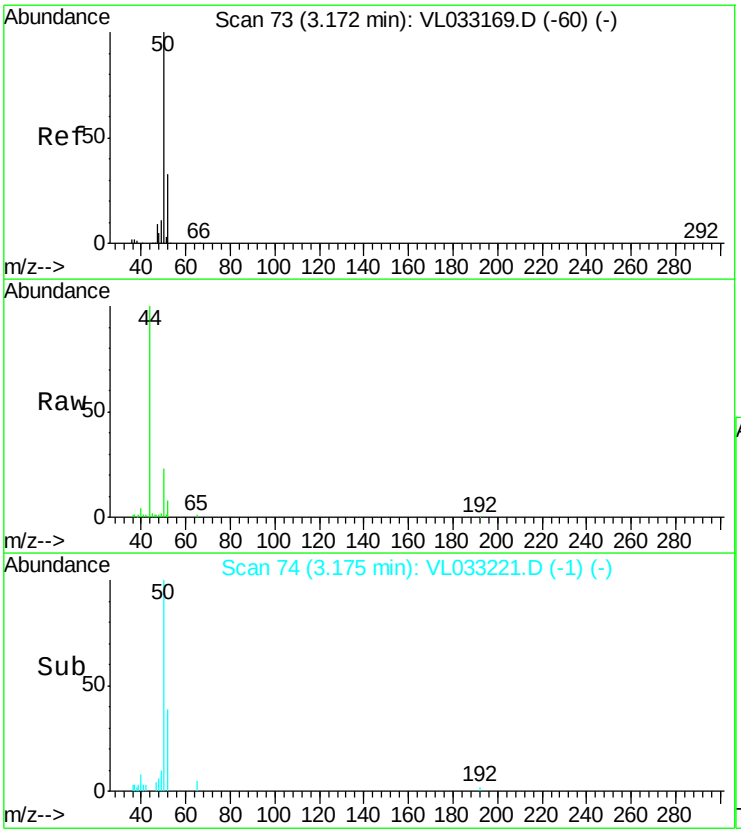
#3
Chlorodifluoromethane
Concen: 0.339 ppbv m
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033221.D
Acq: 15 Feb 2019 6:08

Instrument : MSVOA_L
ClientSampleId : INFLUENT

Tgt Ion: 51 Resp: 35093

Ion	Ratio	Lower	Upper
51	100		
67	17.8	14.0	21.0

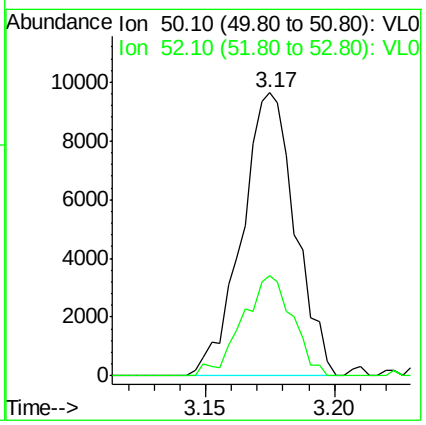


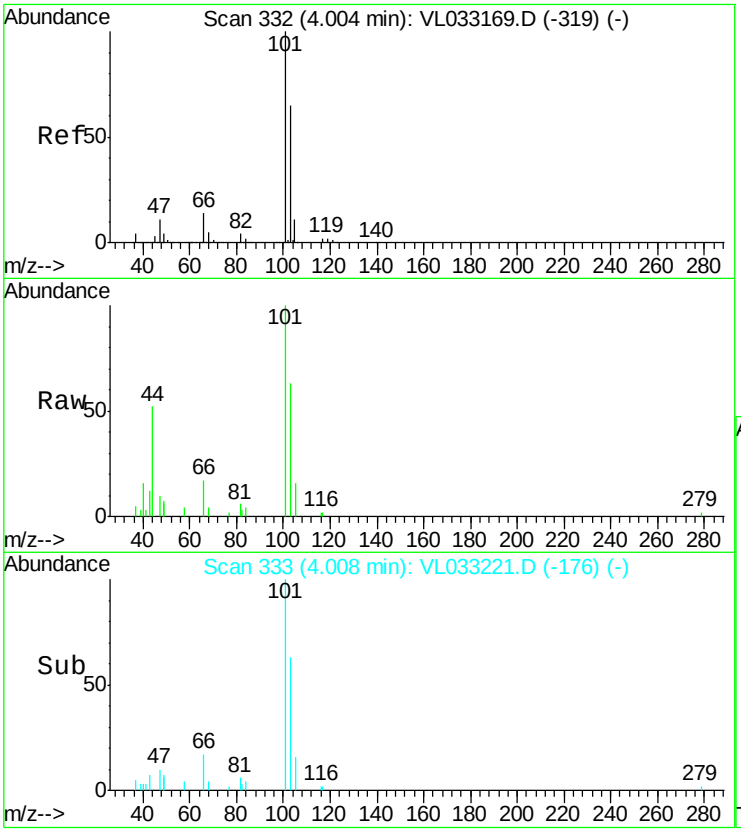


#4
Chloromethane
Concen: 0.256 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL033221.D
Acq: 15 Feb 2019 6:08

Tgt Ion: 50 Resp: 13991

Ion	Ratio	Lower	Upper
50	100		
52	35.6	26.5	39.7



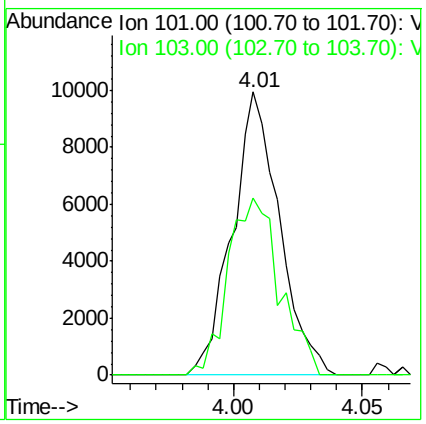


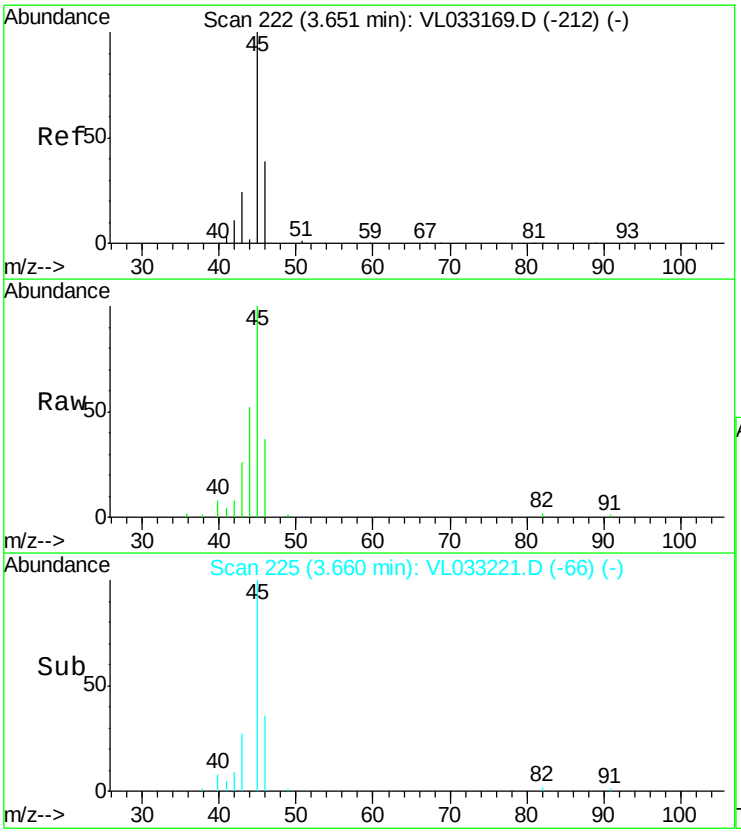
#11
Trichlorofluoromethane
Concen: 0.095 ppbv
RT: 4.01 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL033221.D
Acq: 15 Feb 2019 6:08

Instrument :
MSVOA_L
ClientSampleId :
INFLUENT

Tgt Ion:101 Resp: 12703

Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.7	77.5

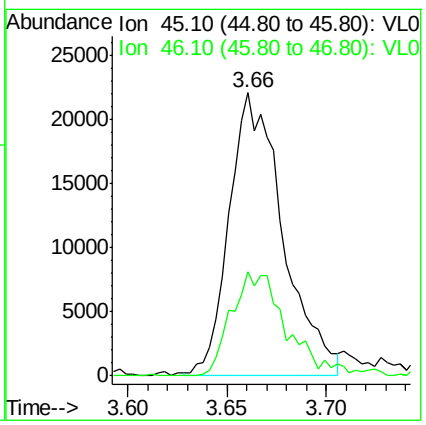


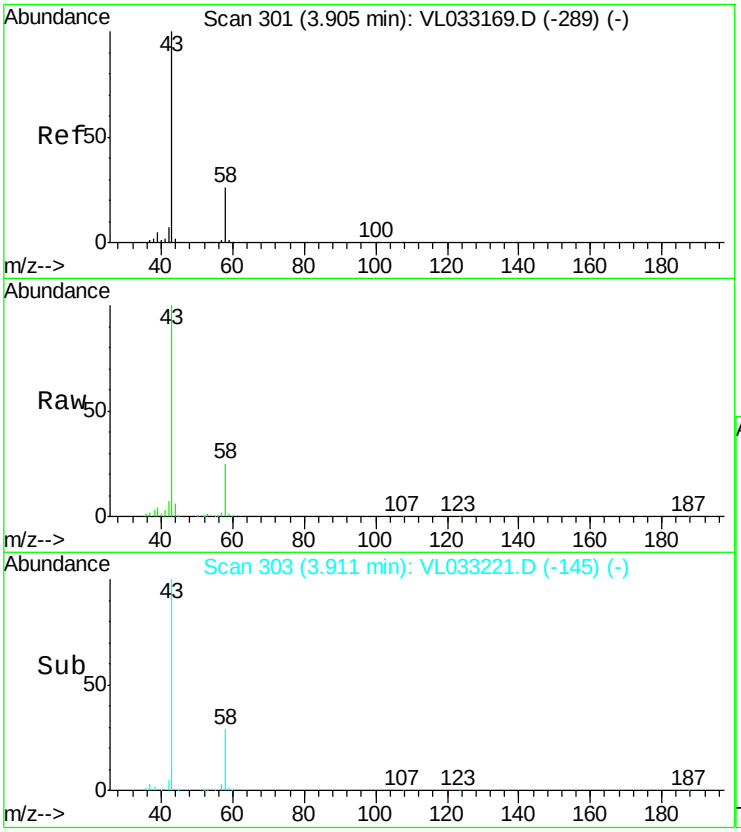


#13
Ethanol
Concen: 2.493 ppbv m
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033221.D
Acq: 15 Feb 2019 6:08

Tgt Ion: 45 Resp: 41571

Ion	Ratio	Lower	Upper
45	100		
46	38.9	15.0	60.2



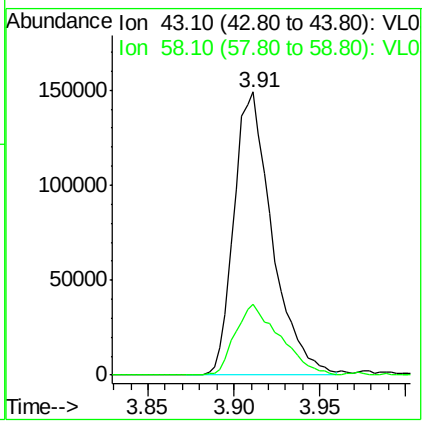


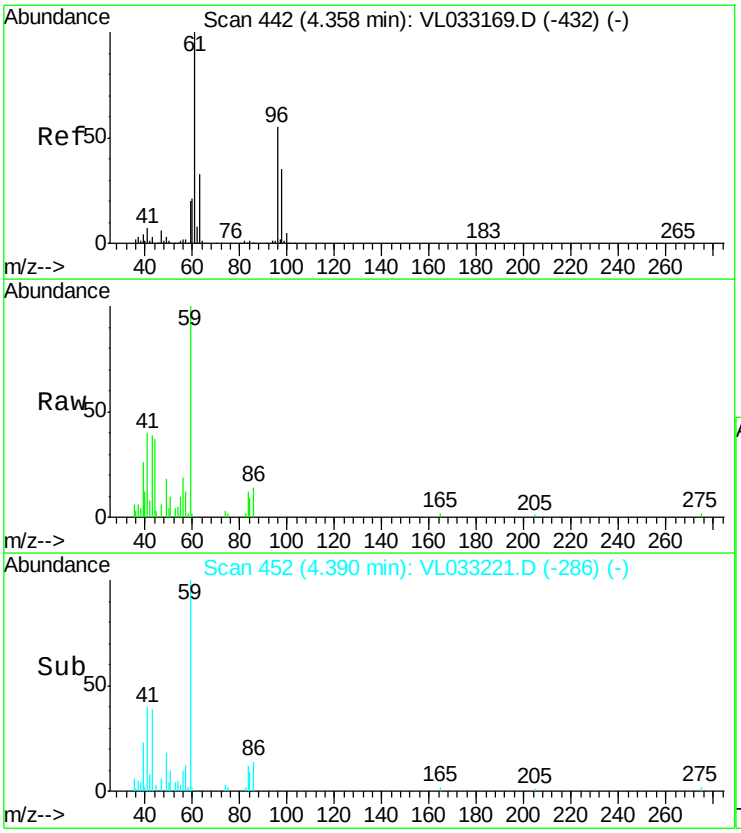
#15
Acetone
Concen: 2.376 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.01 min
Lab File: VL033221.D
Acq: 15 Feb 2019 6:08

Instrument :
MSVOA_L
ClientSampleId :
INFLUENT

Tgt Ion: 43 Resp: 230157

Ion	Ratio	Lower	Upper
43	100		
58	30.3	21.1	31.7

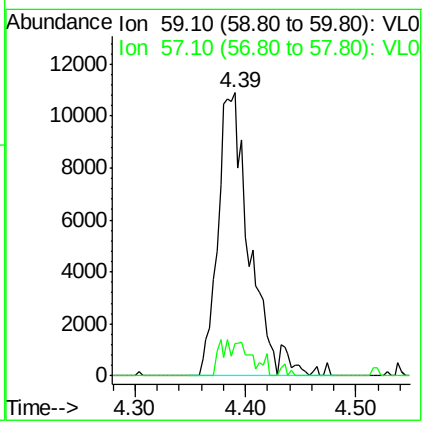


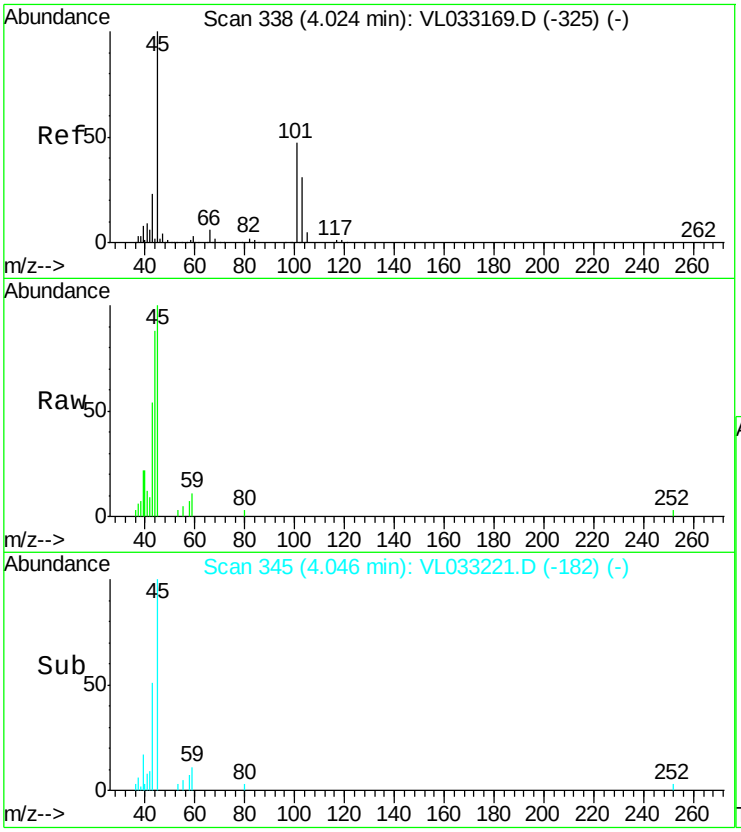


#17
tert-Butyl alcohol
Concen: 1.179 ppbv m
RT: 4.39 min Scan# 452
Delta R.T. 0.03 min
Lab File: VL033221.D
Acq: 15 Feb 2019 6:08

Tgt Ion: 59 Resp: 21778

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.6	11.4#



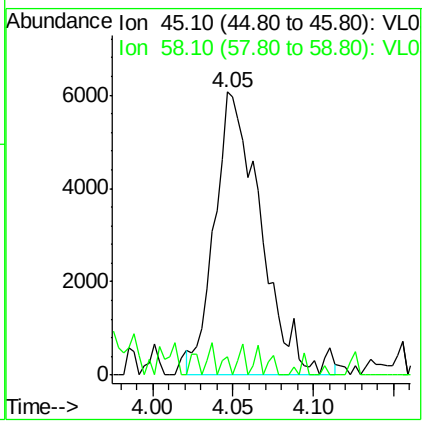


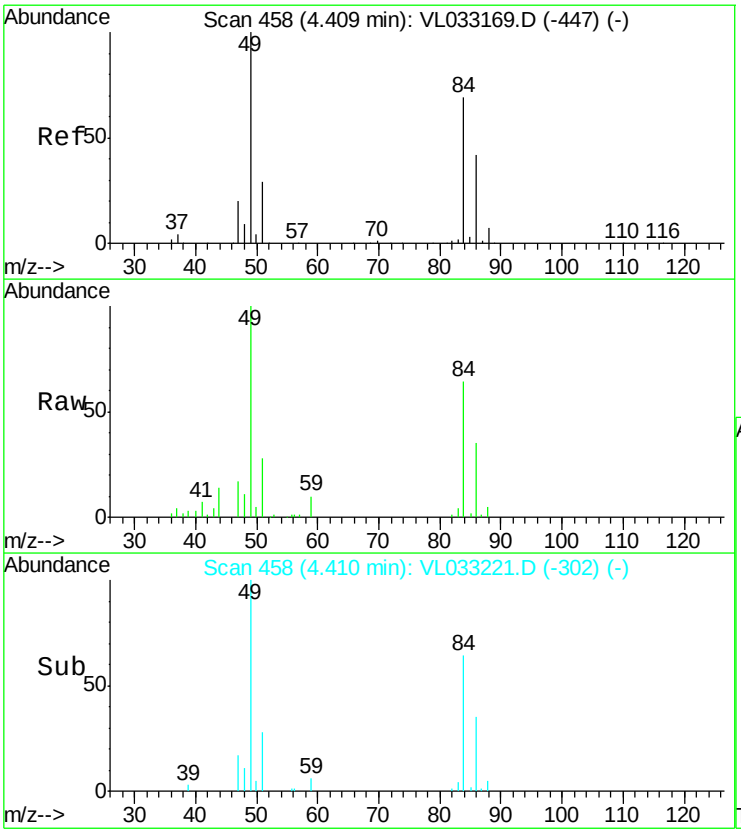
#19
Isopropyl Alcohol
Concen: 0.186 ppbv m
RT: 4.05 min Scan# 345
Delta R.T. 0.02 min
Lab File: VL033221.D
Acq: 15 Feb 2019 6:08

Instrument :
MSVOA_L
ClientSampleId :
INFLUENT

Tgt Ion: 45 Resp: 12198

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.5	2.3#

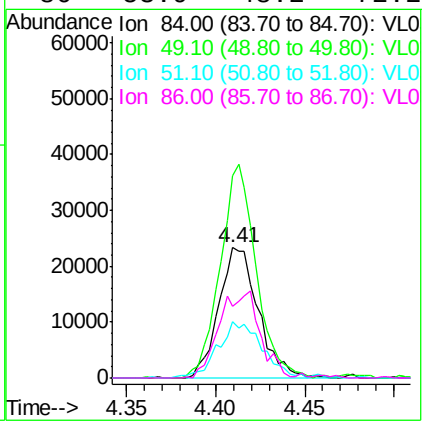


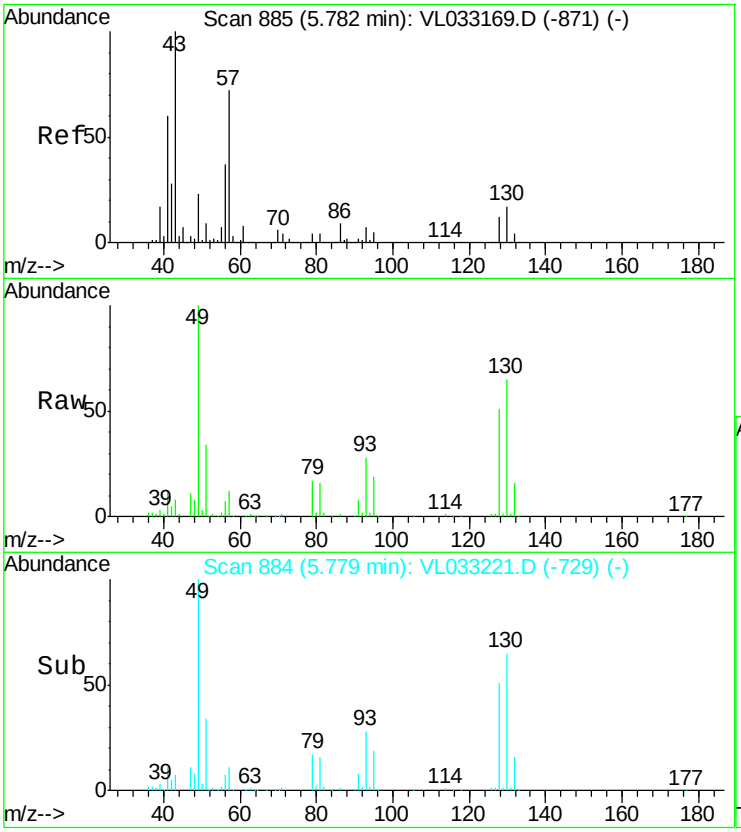


#20
Methylene Chloride
Concen: 0.929 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033221.D
Acq: 15 Feb 2019 6:08

Tgt Ion: 84 Resp: 35779

Ion	Ratio	Lower	Upper
84	100		
49	153.9	115.8	173.8
51	42.5	33.0	49.6
86	53.9	48.2	72.2



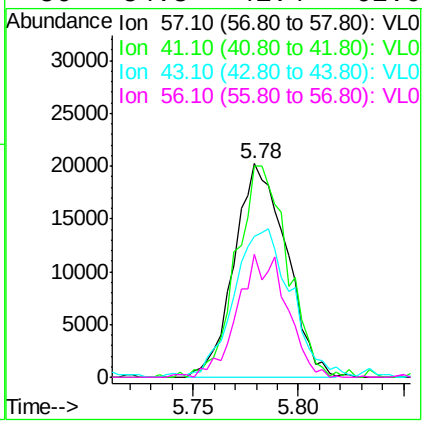


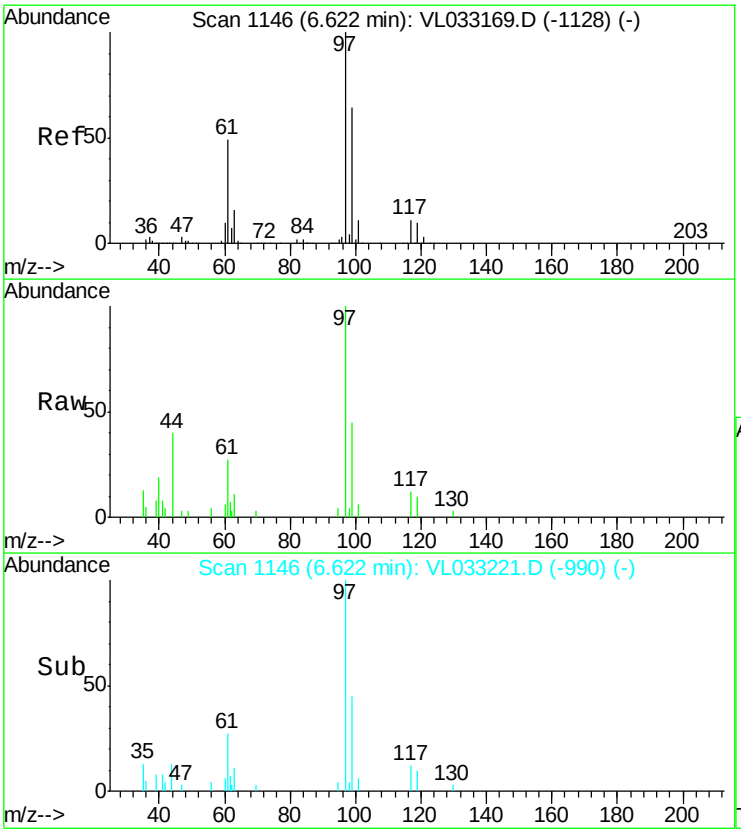
#26
Hexane
Concen: 0.339 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033221.D
Acq: 15 Feb 2019 6:08

Instrument : MSVOA_L
ClientSampleId : INFLUENT

Tgt Ion: 57 Resp: 34706

Ion	Ratio	Lower	Upper
57	100		
41	97.7	69.4	104.2
43	78.5	176.7	265.1#
56	54.3	41.4	62.0

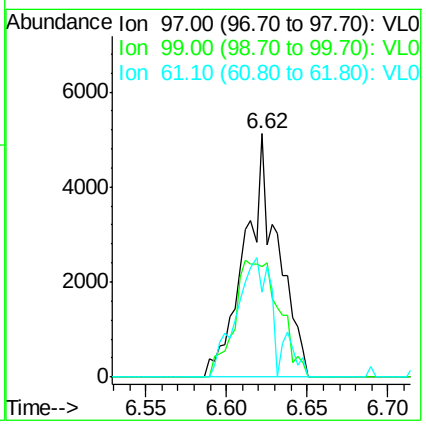


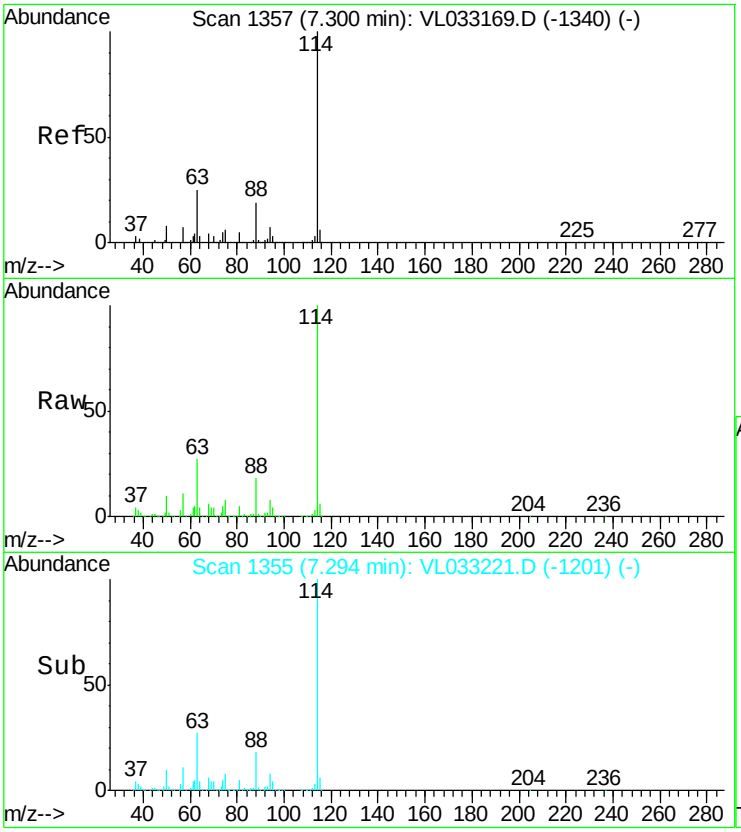


#32
1,1,1-Trichloroethane
Concen: 0.042 ppbv m
RT: 6.62 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VL033221.D
Acq: 15 Feb 2019 6:08

Tgt Ion: 97 Resp: 7248

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.2#
61	0.0	38.9	58.3#



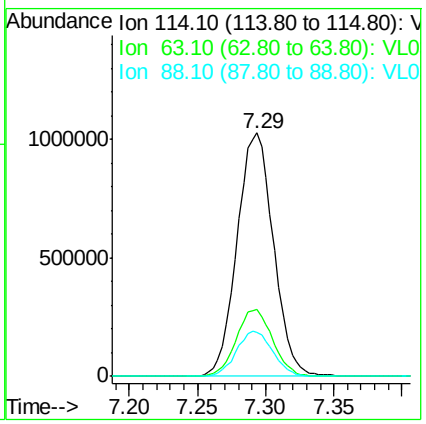


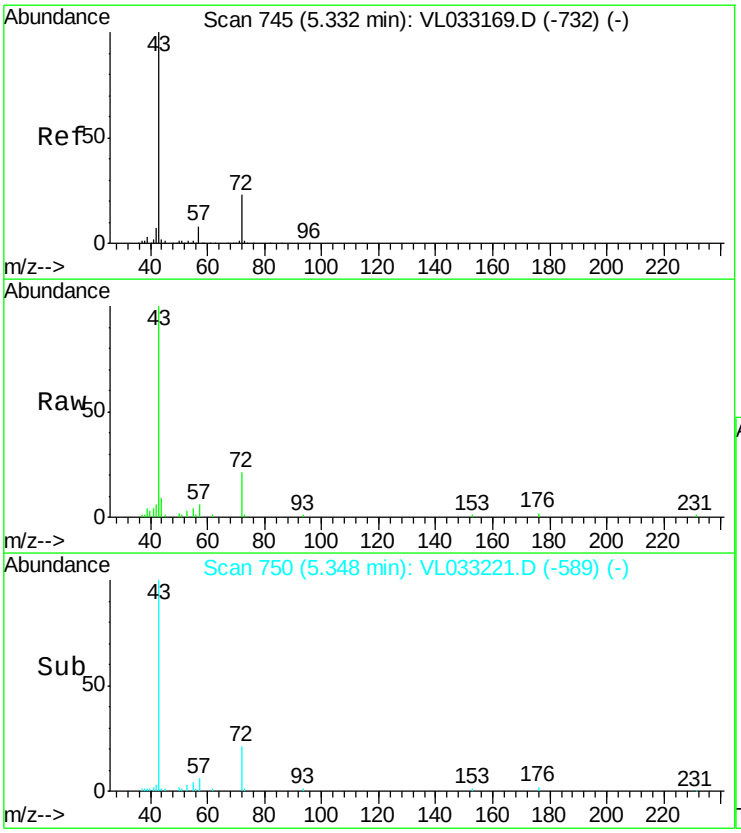
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL033221.D
Acq: 15 Feb 2019 6:08

Instrument :
MSVOA_L
ClientSampleId :
INFLUENT

Tgt Ion:114 Resp: 1904332

Ion	Ratio	Lower	Upper
114	100		
63	27.6	20.8	31.2
88	18.5	14.6	22.0

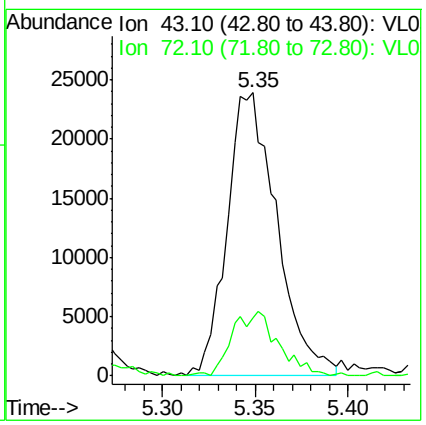


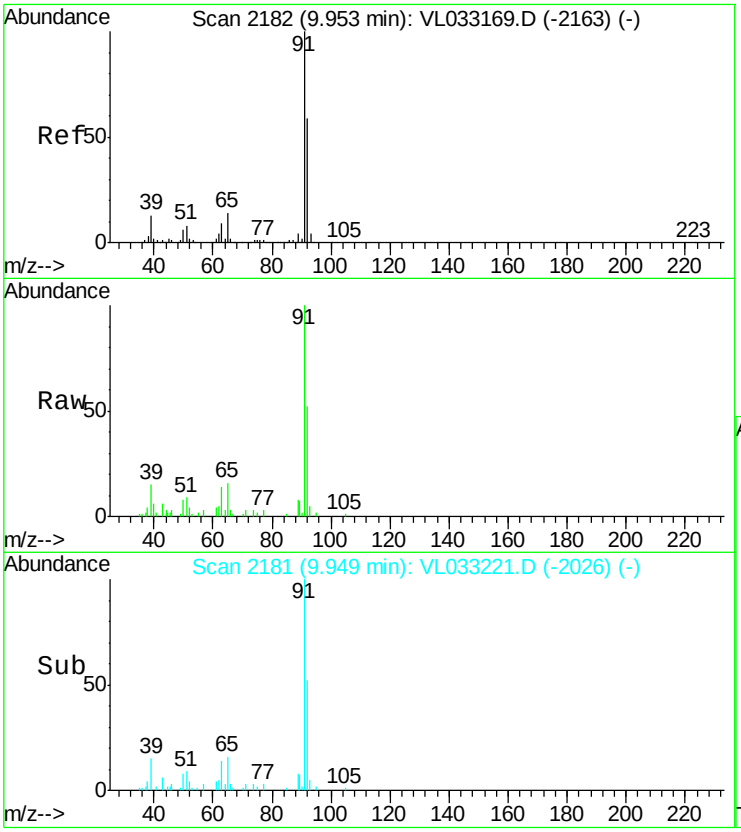


#34
2-Butanone
Concen: 0.369 ppbv
RT: 5.35 min Scan# 750
Delta R.T. 0.02 min
Lab File: VL033221.D
Acq: 15 Feb 2019 6:08

Tgt Ion: 43 Resp: 44611

Ion	Ratio	Lower	Upper
43	100		
72	21.5	17.8	26.6



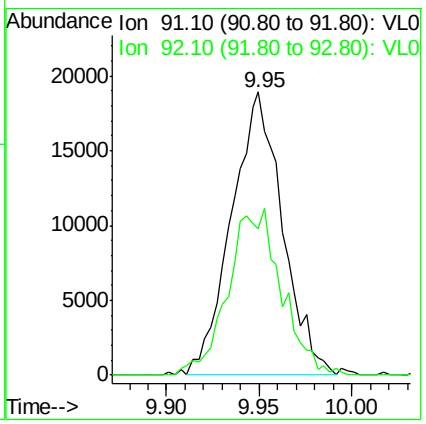


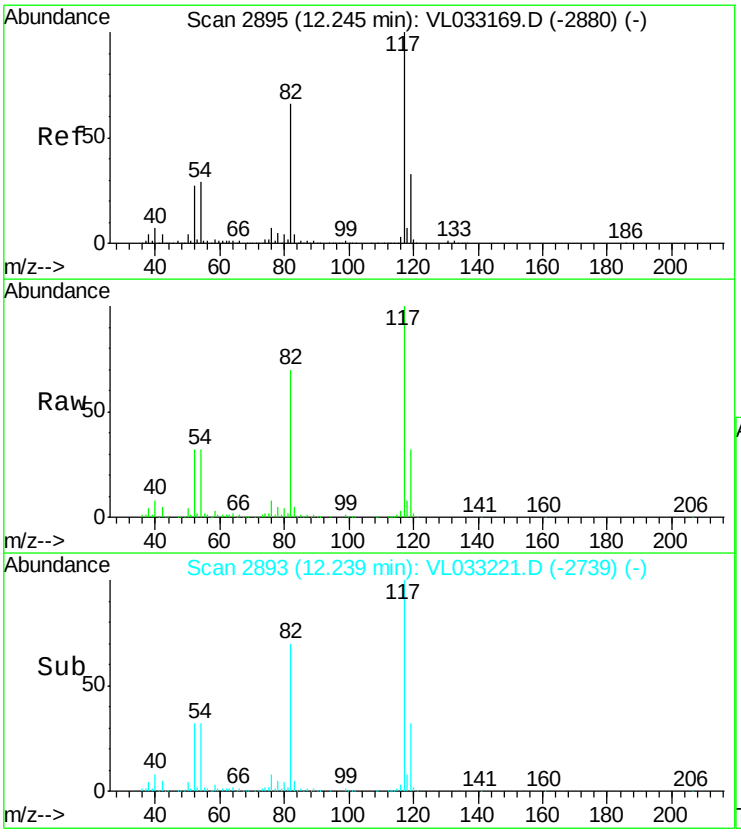
#53
Toluene
Concen: 0.158 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VL033221.D
Acq: 15 Feb 2019 6:08

Instrument :
MSVOA_L
ClientSampleId :
INFLUENT

Tgt Ion: 91 Resp: 36156

Ion	Ratio	Lower	Upper
91	100		
92	61.4	48.0	72.0

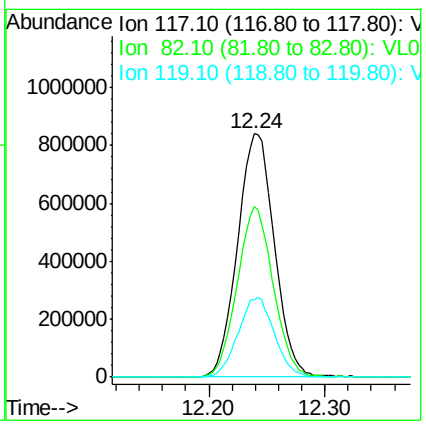


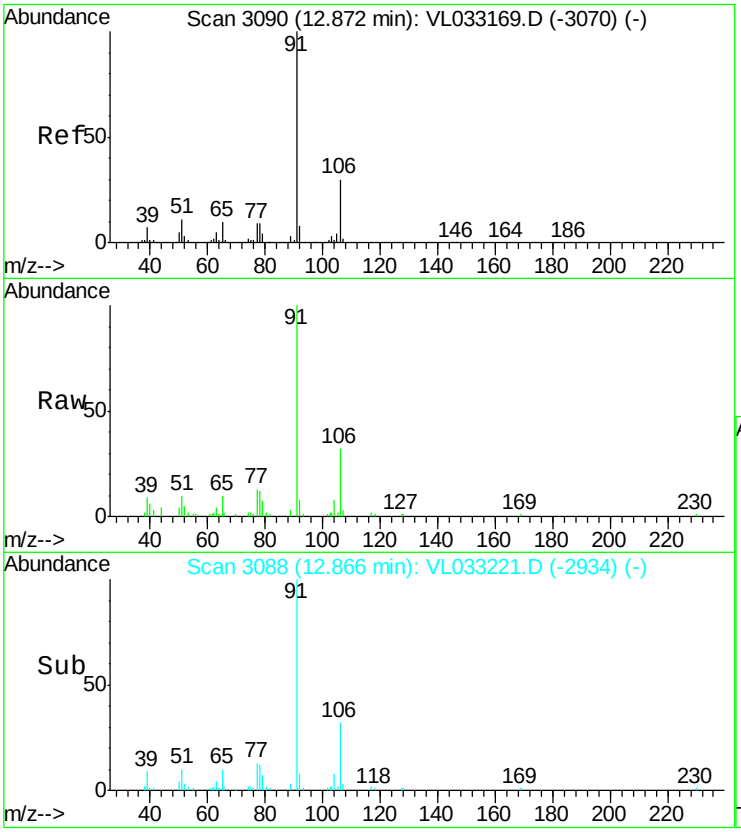


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033221.D
Acq: 15 Feb 2019 6:08

Tgt Ion:117 Resp: 1859147

Ion	Ratio	Lower	Upper
117	100		
82	68.5	49.5	74.3
119	32.3	24.4	36.6



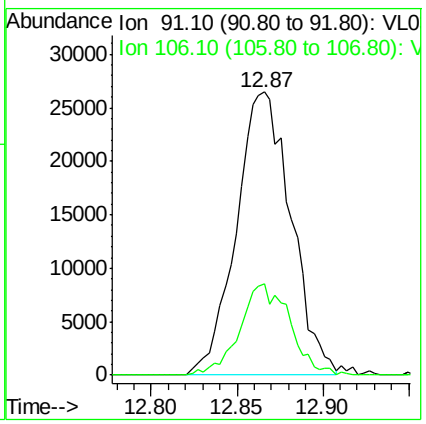


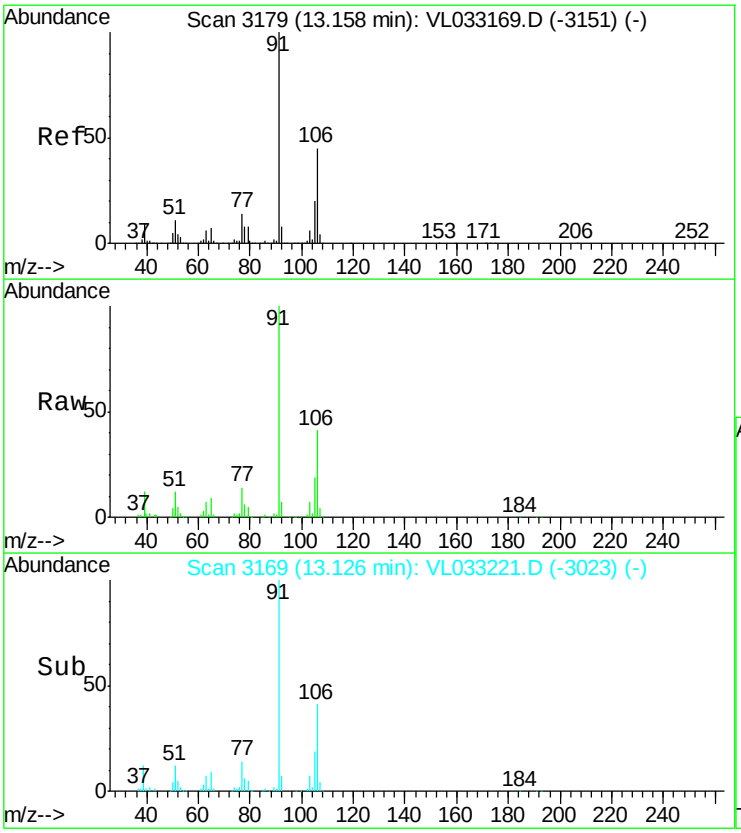
#58
Ethyl Benzene
Concen: 0.194 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033221.D
Acq: 15 Feb 2019 6:08

Instrument : MSVOA_L
ClientSampleId : INFLUENT

Tgt Ion: 91 Resp: 58490

Ion	Ratio	Lower	Upper
91	100		
106	32.1	23.8	35.8

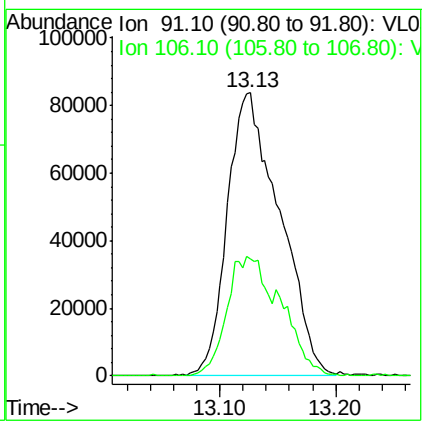


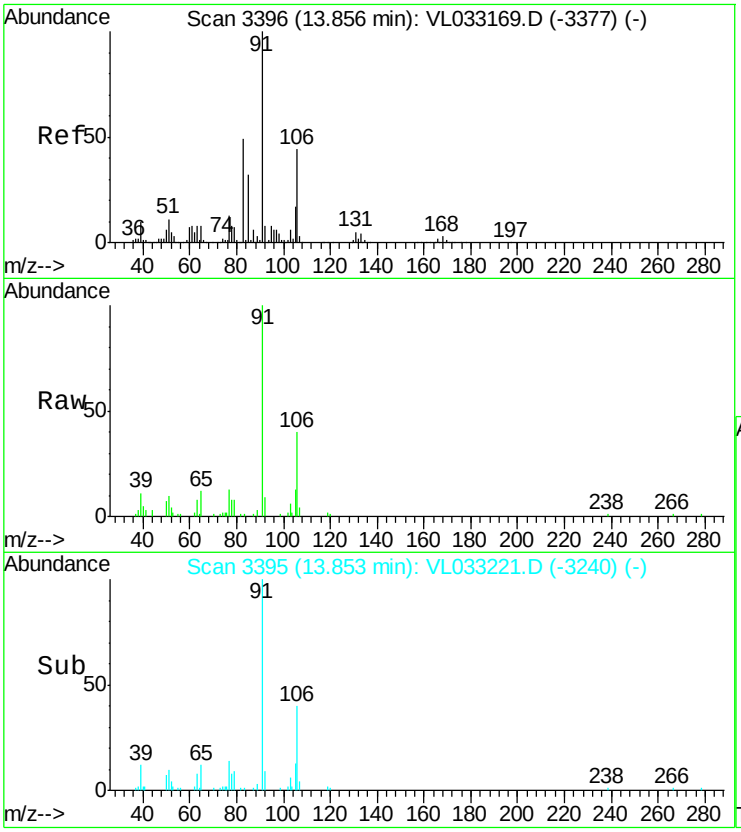


#59
m/p-Xylene
Concen: 1.043 ppbv
RT: 13.13 min Scan# 3169
Delta R.T. -0.03 min
Lab File: VL033221.D
Acq: 15 Feb 2019 6:08

Tgt Ion: 91 Resp: 261852

Ion	Ratio	Lower	Upper
91	100		
106	43.3	0.0	0.0#



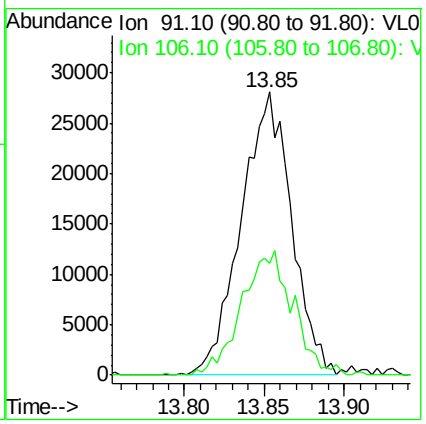


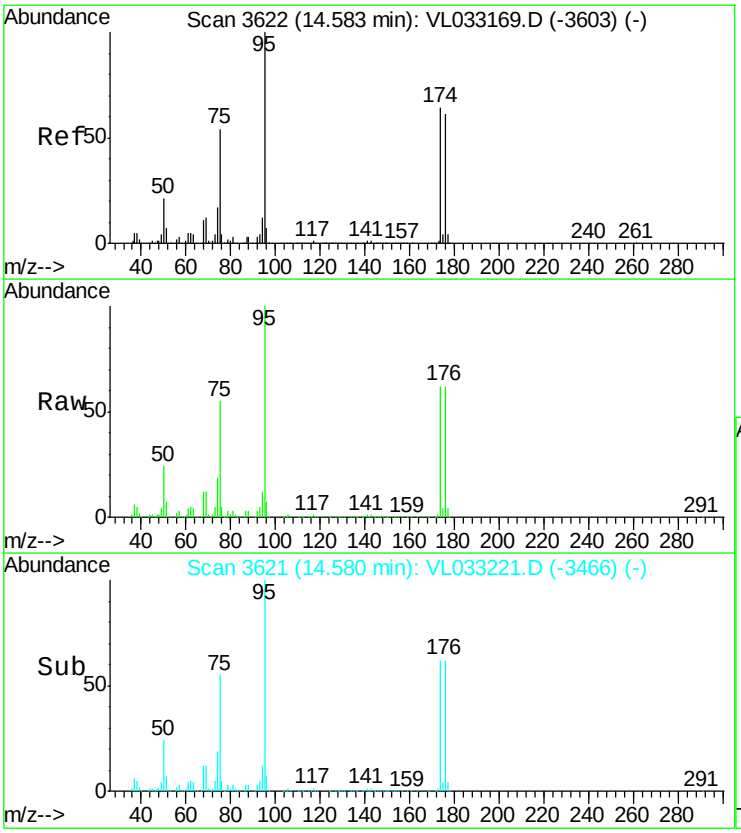
#60
o-Xylene
Concen: 0.249 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033221.D
Acq: 15 Feb 2019 6:08

Instrument :
MSVOA_L
ClientSampleId :
INFLUENT

Tgt Ion: 91 Resp: 60892

Ion	Ratio	Lower	Upper
91	100		
106	45.0	21.8	65.3





#68
1-Bromo-4-Fluorobenzene
Concen: 10.444 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033221.D
Acq: 15 Feb 2019 6:08

Tgt Ion: 95 Resp: 1495320

Ion	Ratio	Lower	Upper
95	100		
174	63.5	51.2	76.8
175	4.5	3.8	5.6