Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033352.D
Acq On : 16 Mar 2019 5:04
Operator : SY/AP
Sample : K1827-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 16 06:48:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	735652	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1623787	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1815608	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1375697	10.23	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	7182	0.056	ppbv	98
3) Chlorodifluoromethane	3.02	51	3497	0.041	ppbv #	82
4) Chloromethane	3.17	50	2886	0.063	ppbv	98
8) Dichlorotetrafluoroethane	3.08	85	7182	0.065	ppbv #	18
9) Propene	3.05	41	2998	0.080	ppbv	97
13) Ethanol	3.66	45	4192	0.233	ppbv #	38
15) Acetone	3.92	43	29623	0.259	ppbv	99
17) tert-Butyl alcohol	4.38	59	970	0.060	ppbv #	74
20) Methylene Chloride	4.41	84	7070	0.190	ppbv #	91
26) Hexane	5.78	57	5109	0.069	ppbv #	74
39) 1,2-Dichloropropane	7.29	63	446557	8.206	ppbv #	24
53) Toluene	9.95	91	61149	0.370	ppbv	98

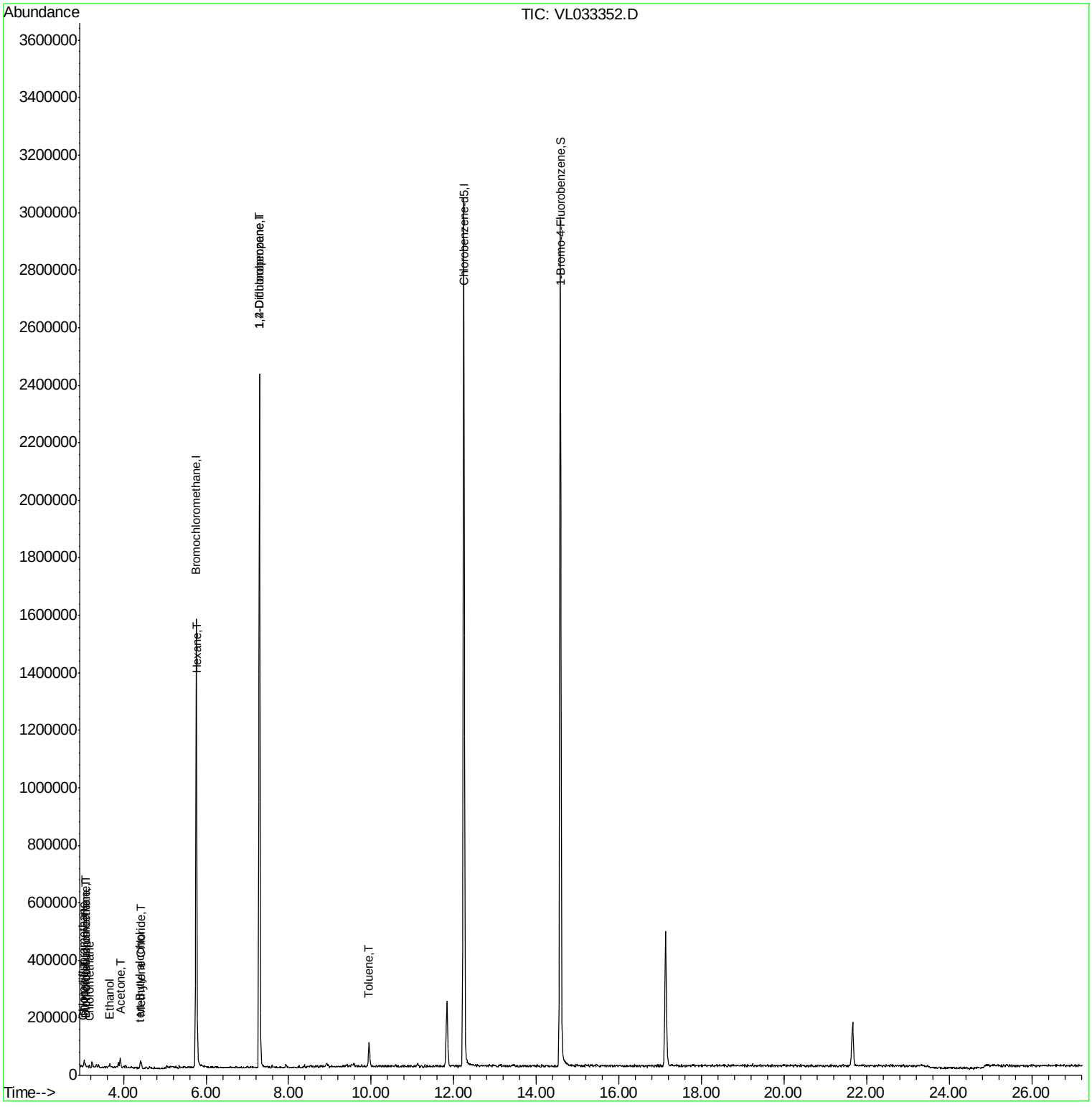
(#) = qualifier out of range (m) = manual integration (+) = signals summed

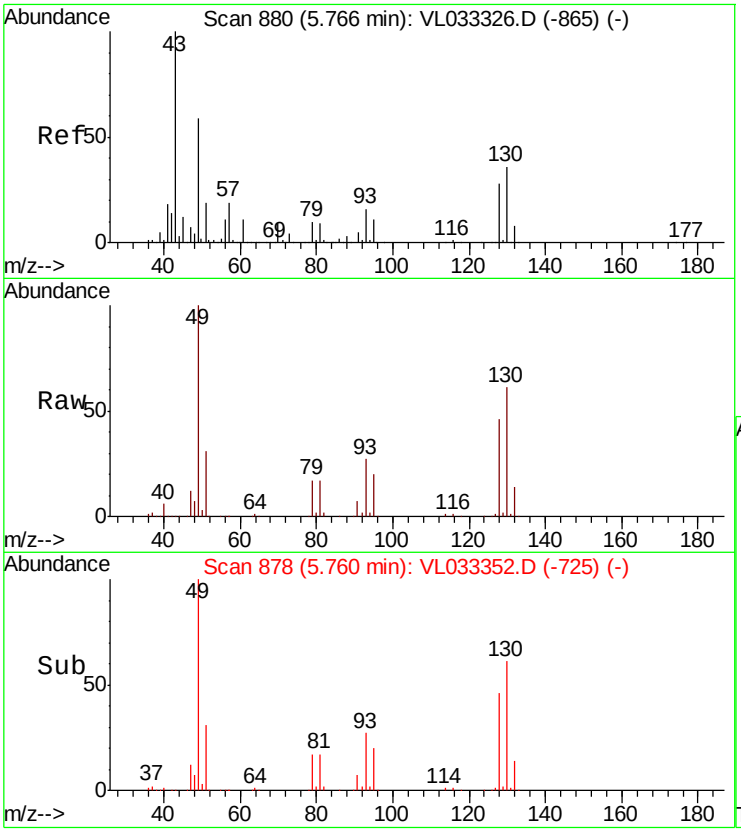
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033352.D
Acq On : 16 Mar 2019 5:04
Operator : SY/AP
Sample : K1827-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 16 06:48:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration



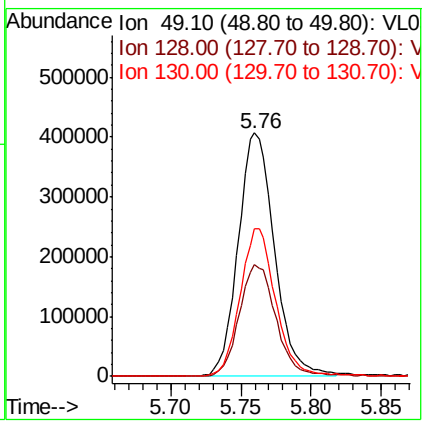


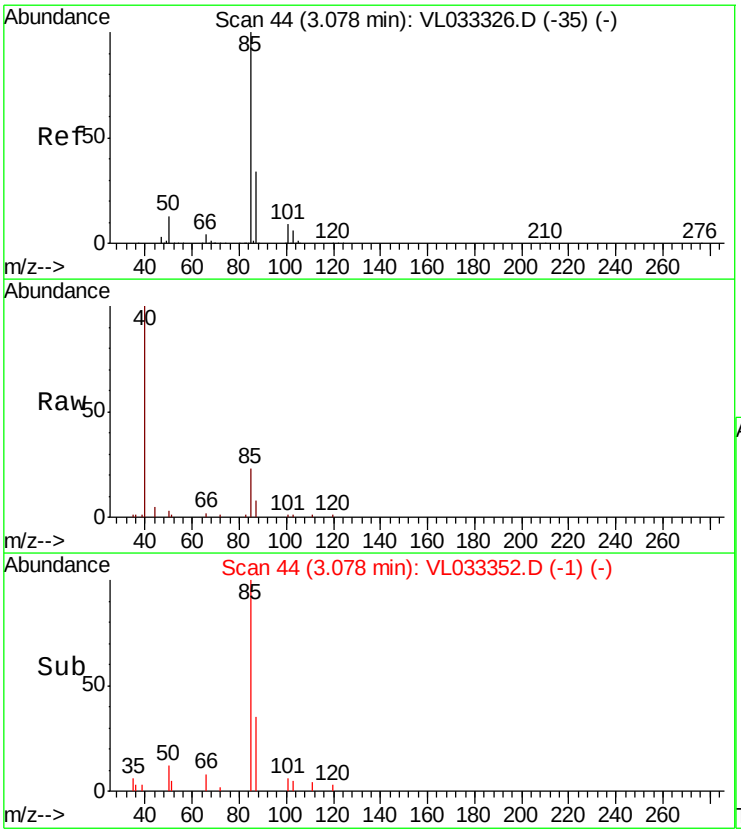
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033352.D
Acq: 16 Mar 2019 5:04

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 735652

Ion	Ratio	Lower	Upper
49	100		
128	46.6	23.5	70.6
130	59.4	30.1	90.3

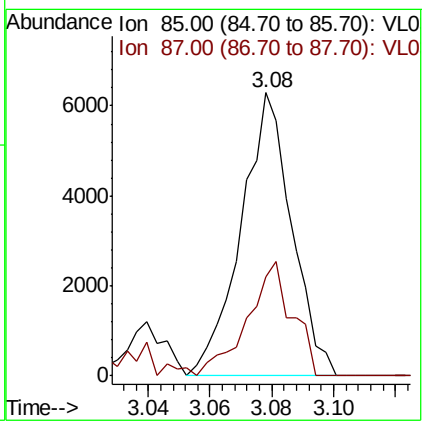


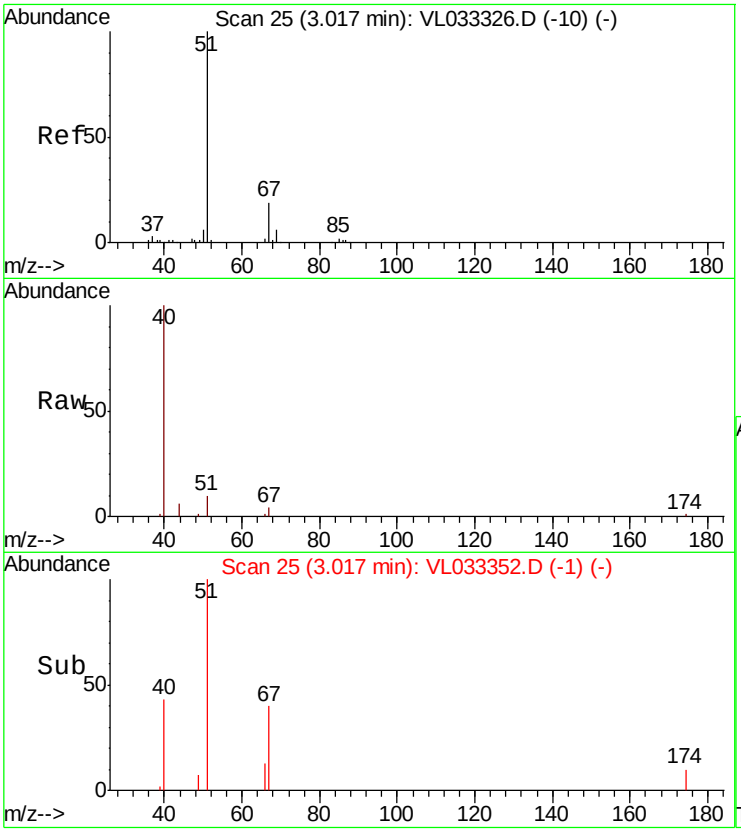


#2
Dichlorodifluoromethane
Concen: 0.056 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL033352.D
Acq: 16 Mar 2019 5:04

Tgt Ion: 85 Resp: 7182

Ion	Ratio	Lower	Upper
85	100		
87	35.0	26.9	40.3



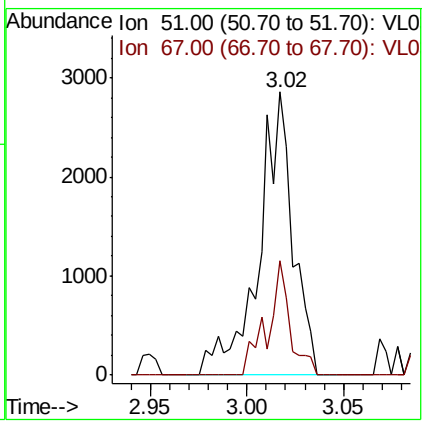


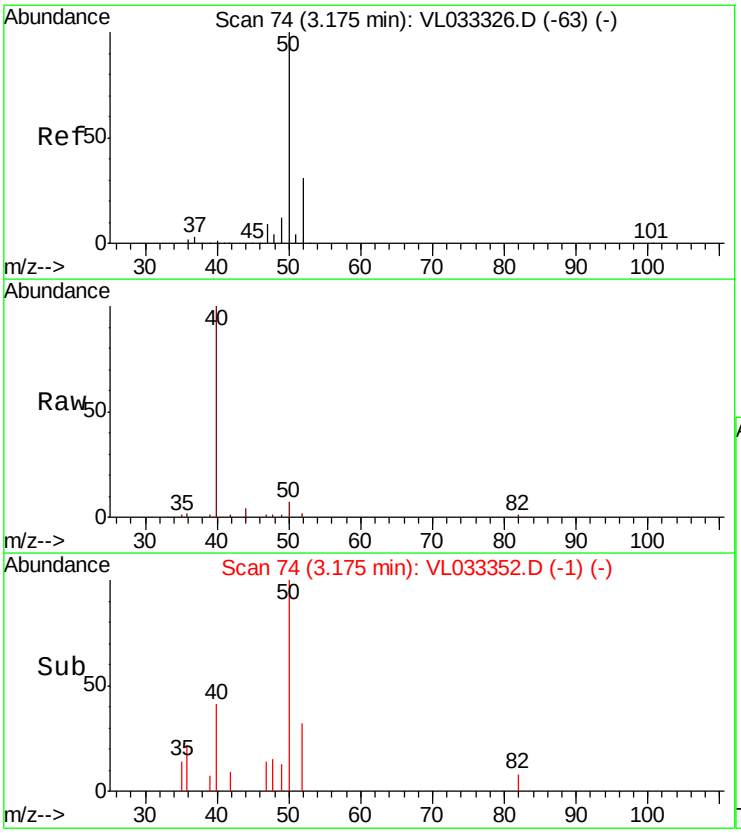
#3
Chlorodifluoromethane
Concen: 0.041 ppbv
RT: 3.02 min Scan# 25
Delta R.T. -0.00 min
Lab File: VL033352.D
Acq: 16 Mar 2019 5:04

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 3497

Ion	Ratio	Lower	Upper
51	100		
67	26.7	14.9	22.3#

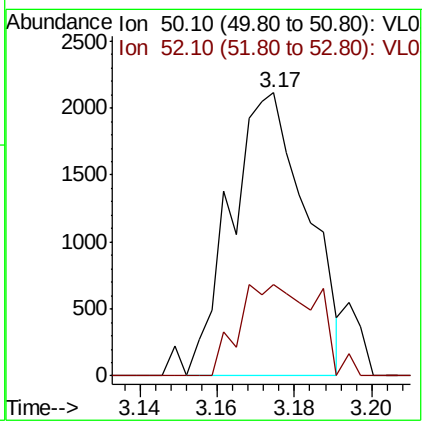


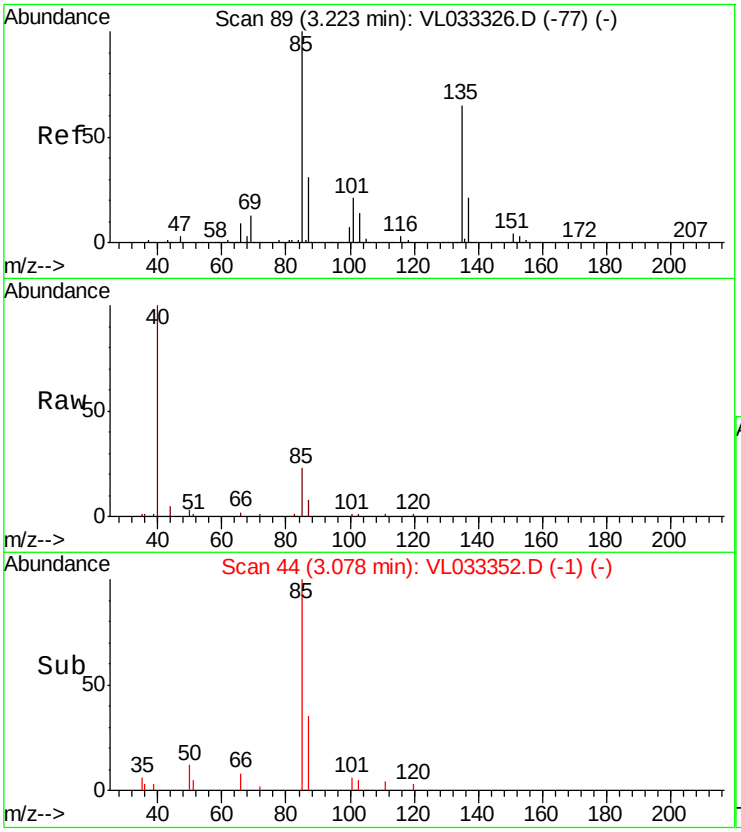


#4
Chloromethane
Concen: 0.063 ppbv
RT: 3.17 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL033352.D
Acq: 16 Mar 2019 5:04

Tgt Ion: 50 Resp: 2886

Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.0	37.6



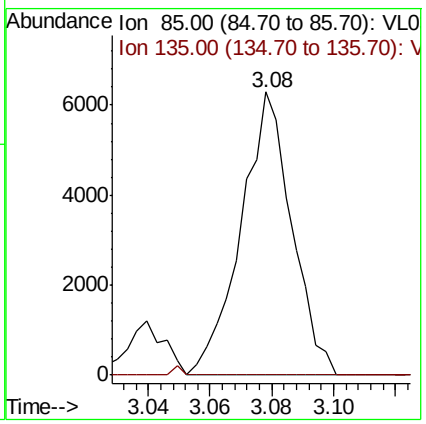


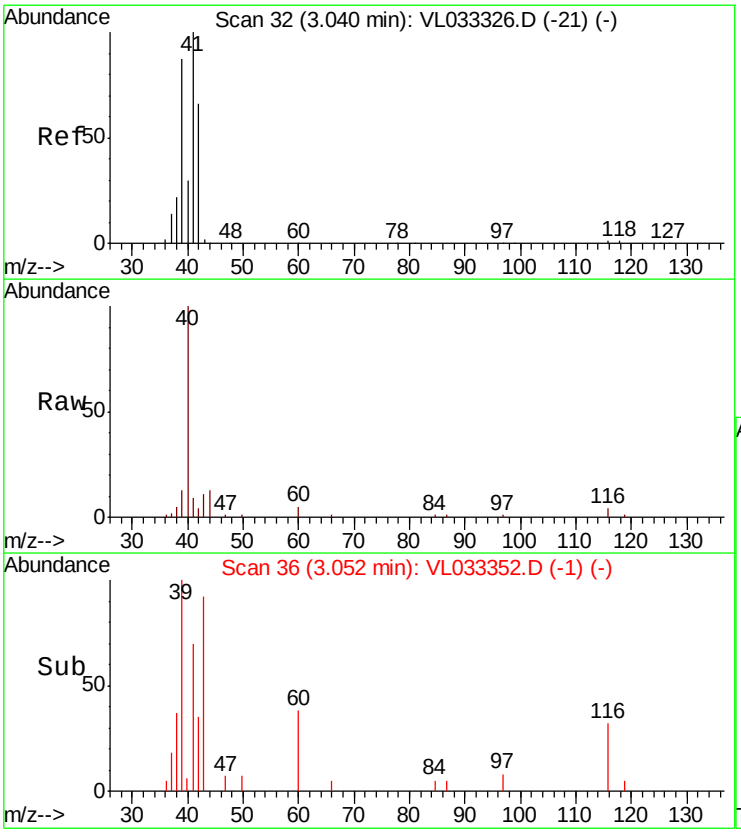
#8
Dichlorotetrafluoroethane
Concen: 0.065 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.14 min
Lab File: VL033352.D
Acq: 16 Mar 2019 5:04

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 85 Resp: 7182

Ion	Ratio	Lower	Upper
85	100		
135	1.2	53.4	80.2#

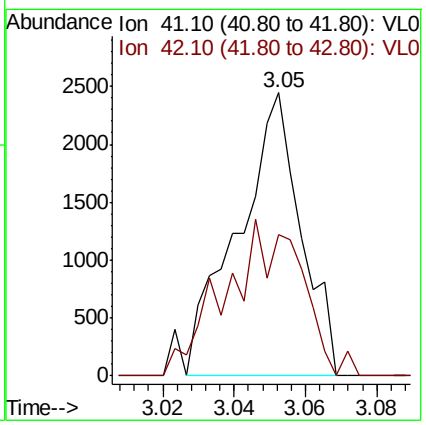


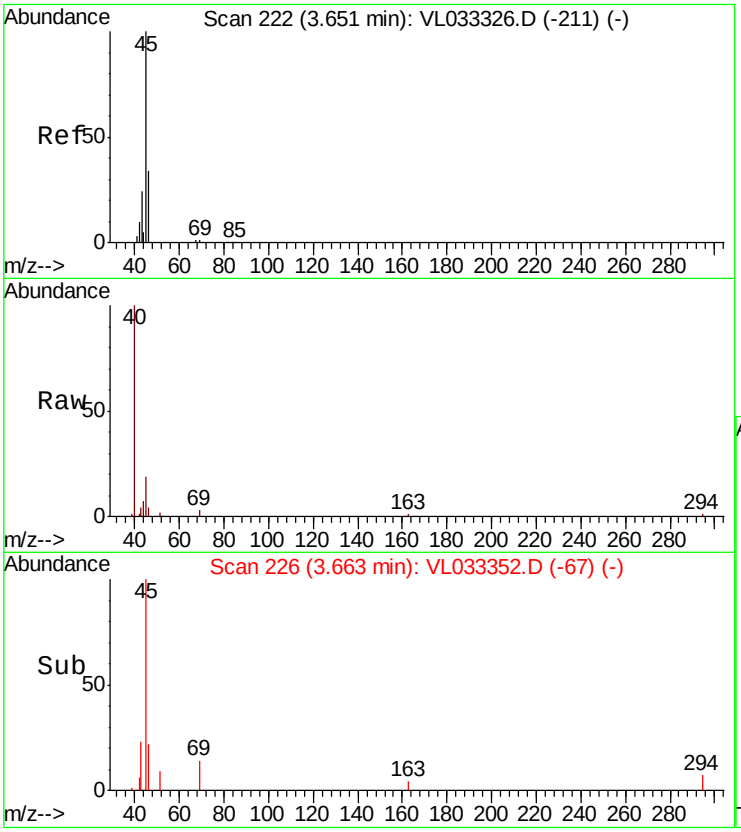


#9
Propene
Concen: 0.080 ppbv
RT: 3.05 min Scan# 36
Delta R.T. 0.01 min
Lab File: VL033352.D
Acq: 16 Mar 2019 5:04

Tgt Ion: 41 Resp: 2998

Ion	Ratio	Lower	Upper
41	100		
42	66.2	55.2	82.8



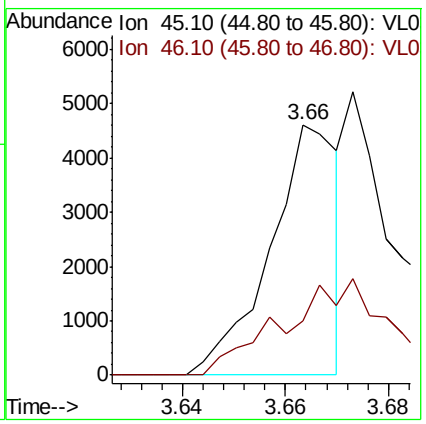


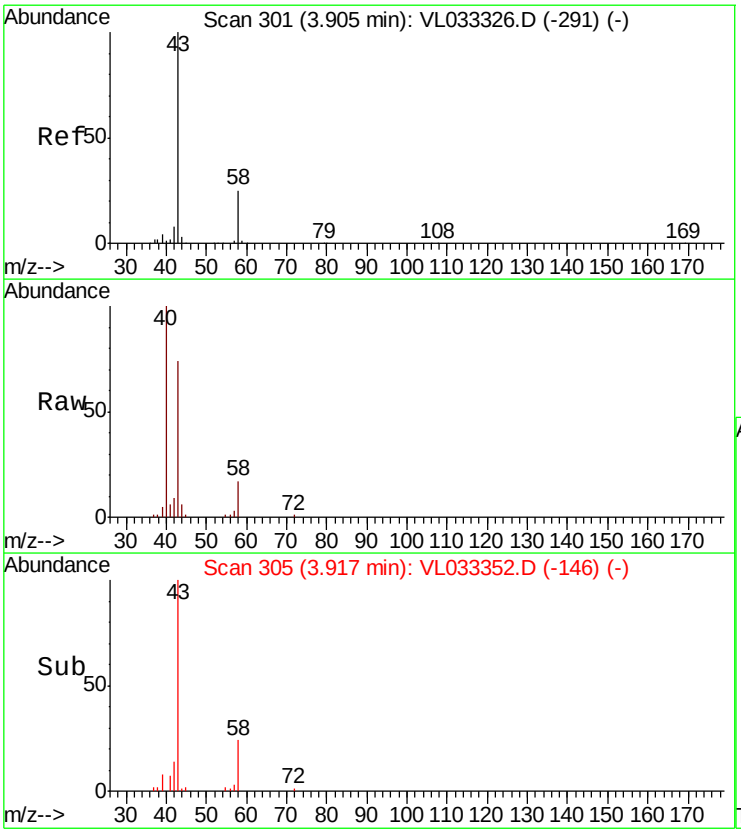
#13
Ethanol
Concen: 0.233 ppbv
RT: 3.66 min Scan# 226
Delta R.T. 0.01 min
Lab File: VL033352.D
Acq: 16 Mar 2019 5:04

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 4192

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.9	59.7#

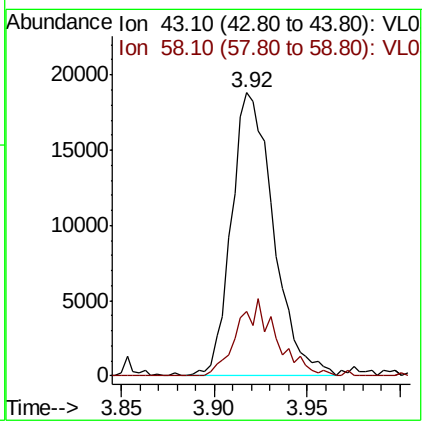


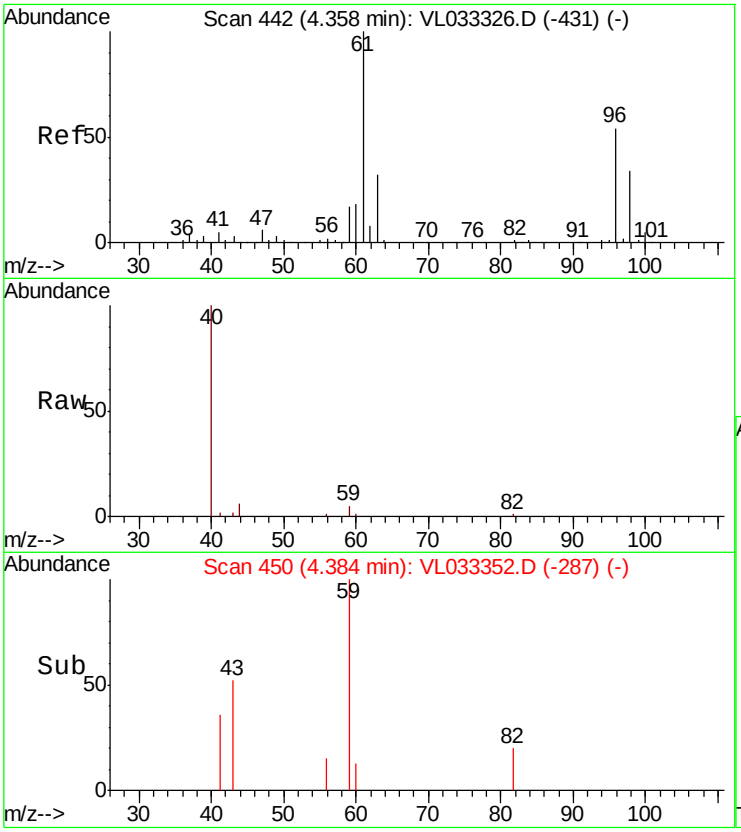


#15
Acetone
Concen: 0.259 ppbv
RT: 3.92 min Scan# 305
Delta R.T. 0.01 min
Lab File: VL033352.D
Acq: 16 Mar 2019 5:04

Tgt Ion: 43 Resp: 29623

Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.4	30.6



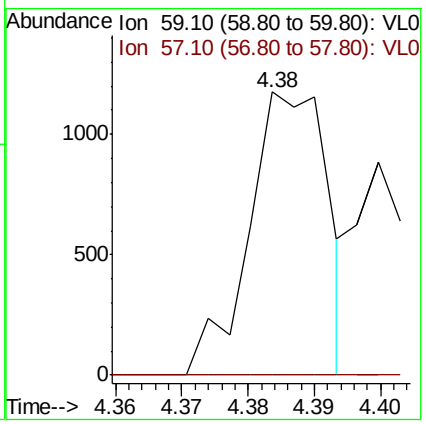


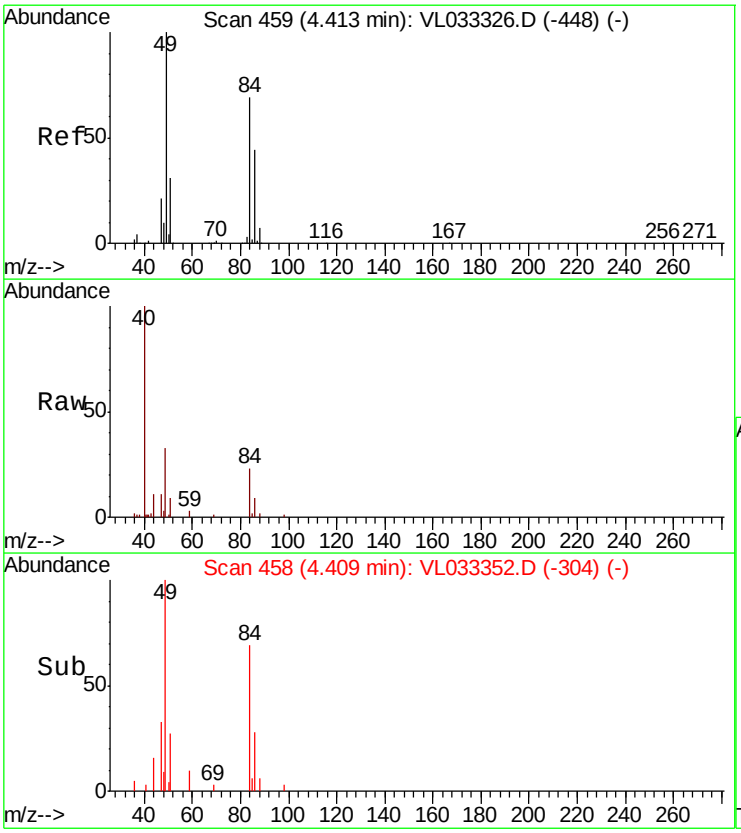
#17
tert-Butyl alcohol
Concen: 0.060 ppbv
RT: 4.38 min Scan# 450
Delta R.T. 0.03 min
Lab File: VL033352.D
Acq: 16 Mar 2019 5:04

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 970

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.7	11.5#

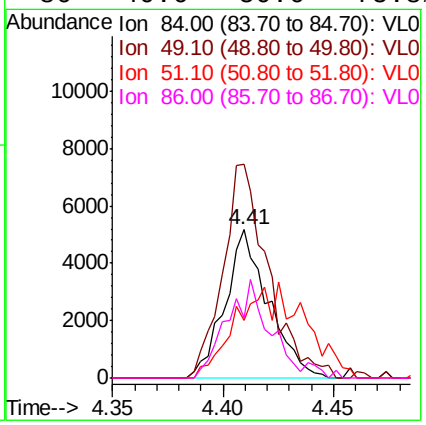


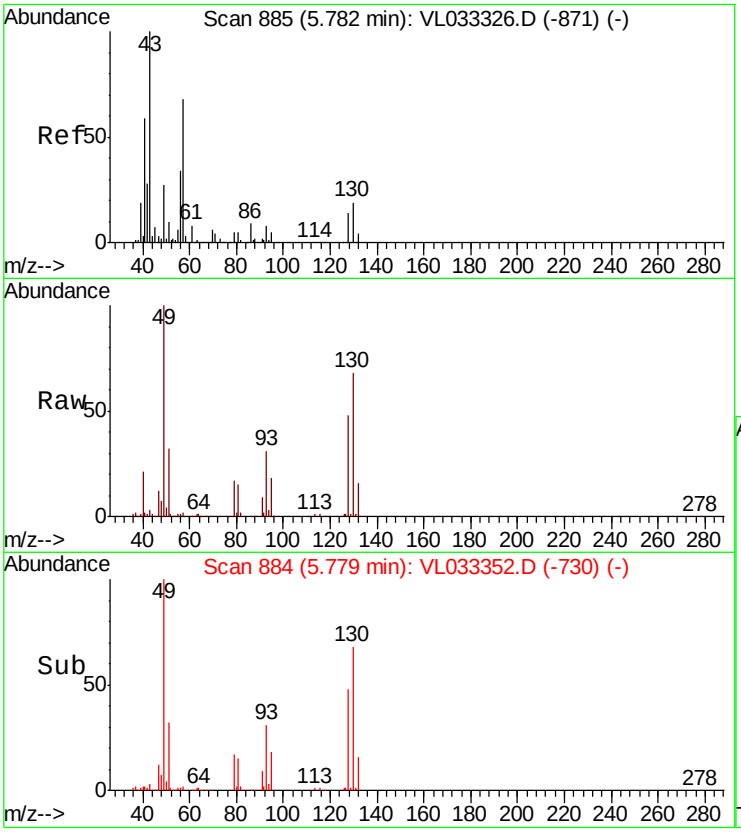


#20
Methylene Chloride
Concen: 0.190 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033352.D
Acq: 16 Mar 2019 5:04

Tgt Ion: 84 Resp: 7070

Ion	Ratio	Lower	Upper
84	100		
49	144.4	115.4	173.0
51	38.6	35.8	53.6
86	40.6	50.6	75.8#



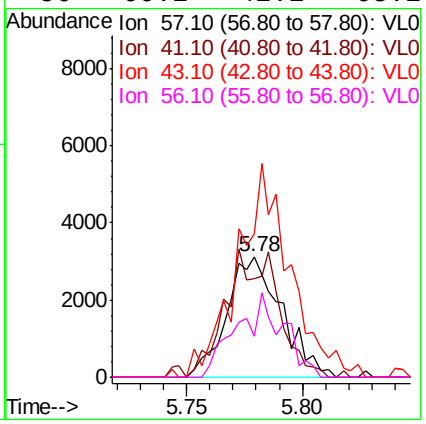


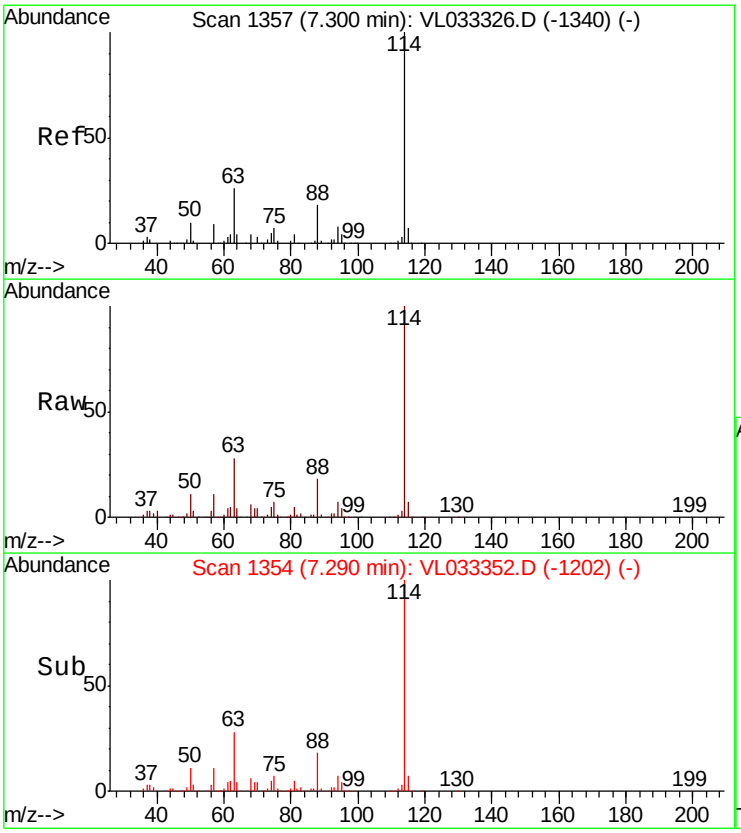
#26
Hexane
Concen: 0.069 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033352.D
Acq: 16 Mar 2019 5:04

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 5109

Ion	Ratio	Lower	Upper
57	100		
41	102.8	70.5	105.7
43	171.0	181.8	272.8#
56	60.2	42.2	63.2

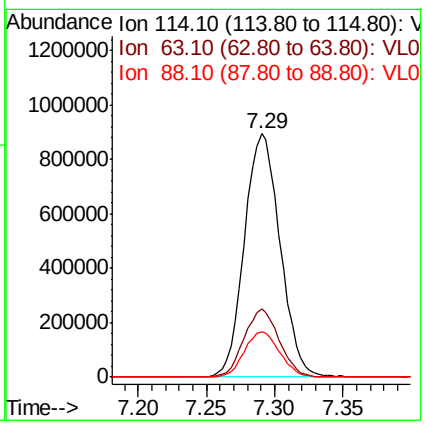


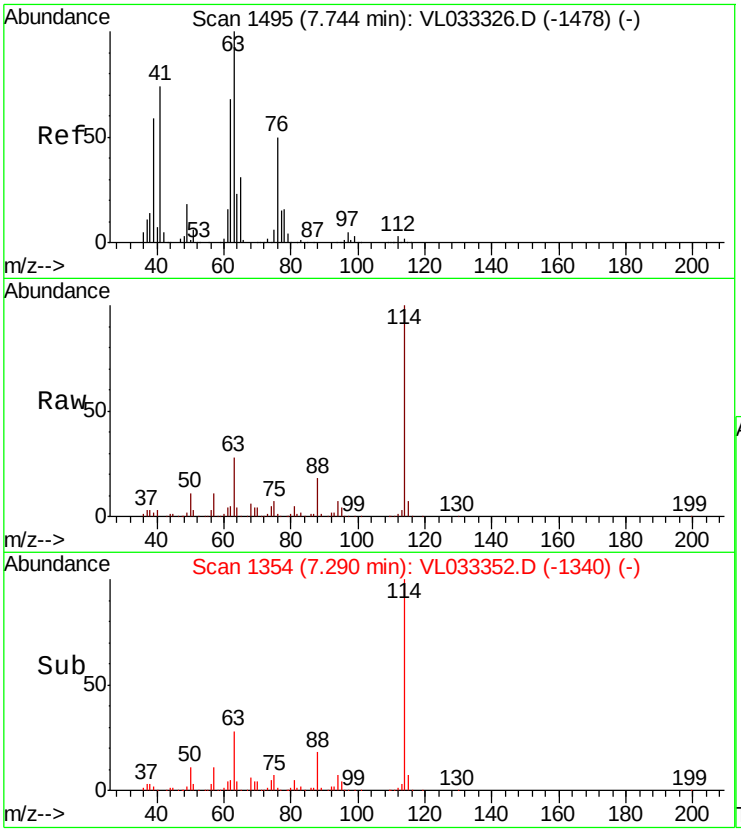


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033352.D
Acq: 16 Mar 2019 5:04

Tgt Ion:114 Resp: 1623787

Ion	Ratio	Lower	Upper
114	100		
63	27.7	21.4	32.2
88	18.5	14.5	21.7



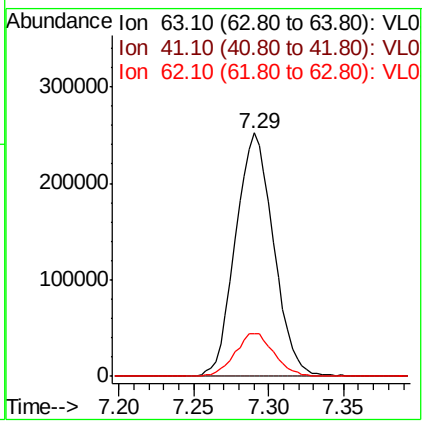


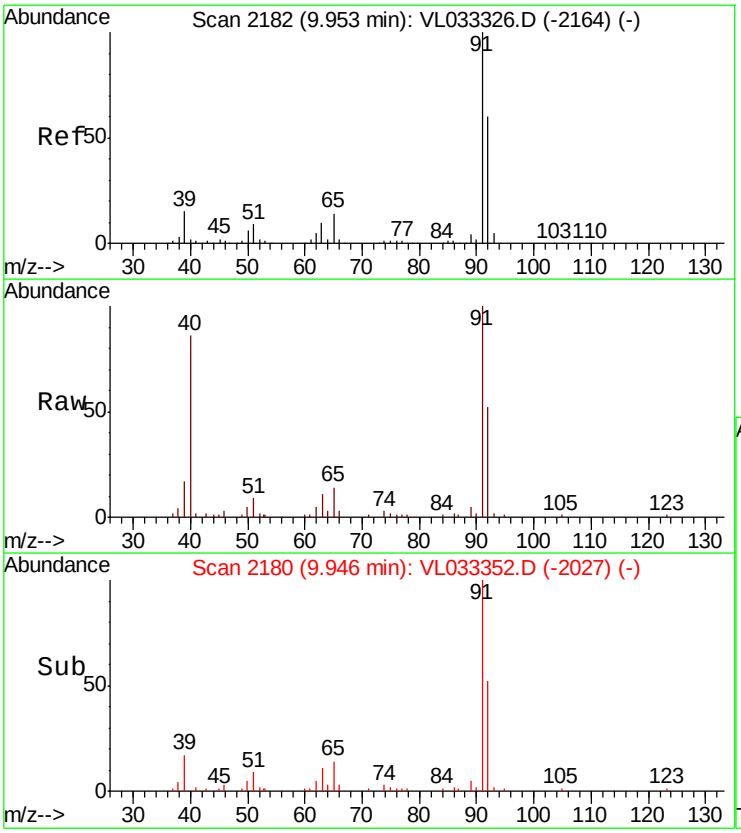
#39
1,2-Dichloropropane
Concen: 8.206 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.45 min
Lab File: VL033352.D
Acq: 16 Mar 2019 5:04

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 446557

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.5	89.3#
62	17.5	54.7	82.1#

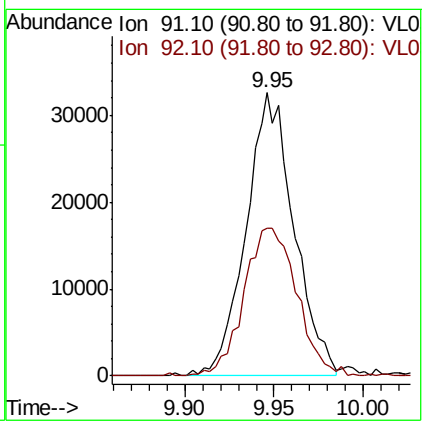


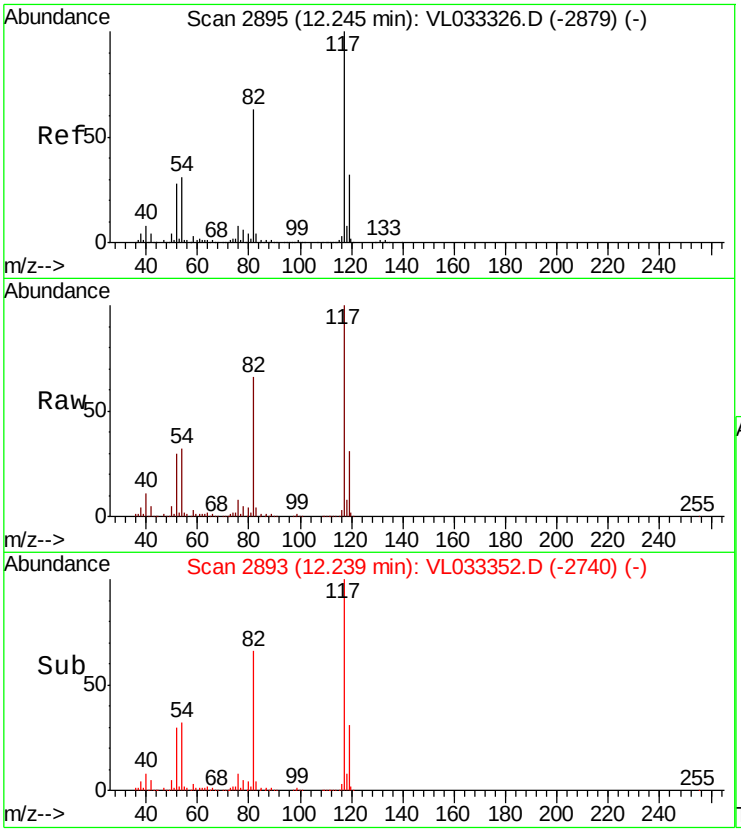


#53
Toluene
Concen: 0.370 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL033352.D
Acq: 16 Mar 2019 5:04

Tgt Ion: 91 Resp: 61149

Ion	Ratio	Lower	Upper
91	100		
92	57.7	47.4	71.0



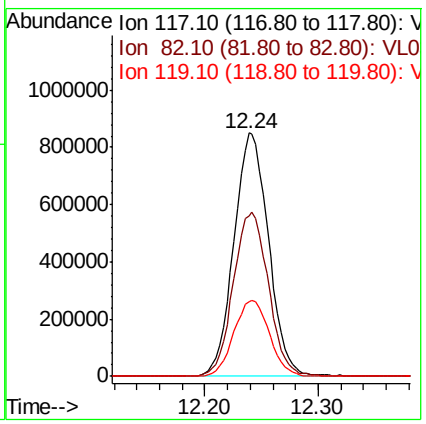


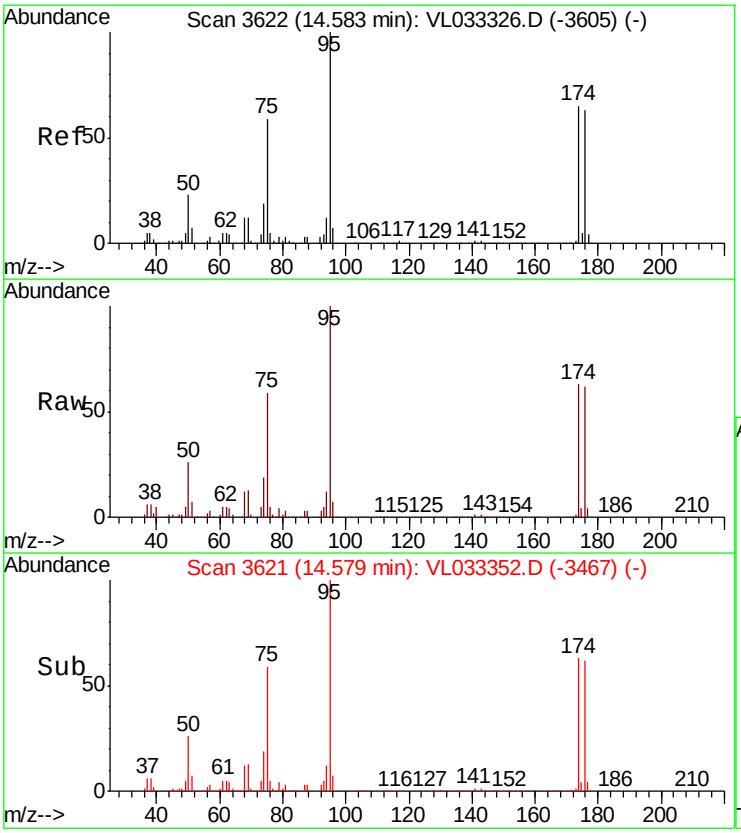
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033352.D
Acq: 16 Mar 2019 5:04

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1815608

Ion	Ratio	Lower	Upper
117	100		
82	68.8	53.4	80.2
119	32.4	27.3	40.9





#68
1-Bromo-4-Fluorobenzene
Concen: 10.225 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033352.D
Acq: 16 Mar 2019 5:04

Tgt Ion: 95 Resp: 1375697

Ion	Ratio	Lower	Upper
95	100		
174	63.9	51.5	77.3
175	4.7	3.8	5.6