Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
Data File : VL034475.D
Acq On : 9 Dec 2019 22:06
Operator : SY/AP
Sample : K6195-04DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-HWDL

Quant Time: Dec 10 03:41:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	892844	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1737742	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1758117	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1493545	10.10	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.00%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.96	51	5829	0.052	ppbv	100
13) Ethanol	3.60	45	23345	1.695	ppbv #	58
15) Acetone	3.85	43	28926	0.226	ppbv #	84
19) Isopropyl Alcohol	3.98	45	2723	0.033	ppbv #	96
20) Methylene Chloride	4.33	84	3213	0.071	ppbv #	80
39) 1,2-Dichloropropane	7.19	63	521934	7.799	ppbv #	24
52) Tetrachloroethene	11.27	164	274488	3.652	ppbv	98

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

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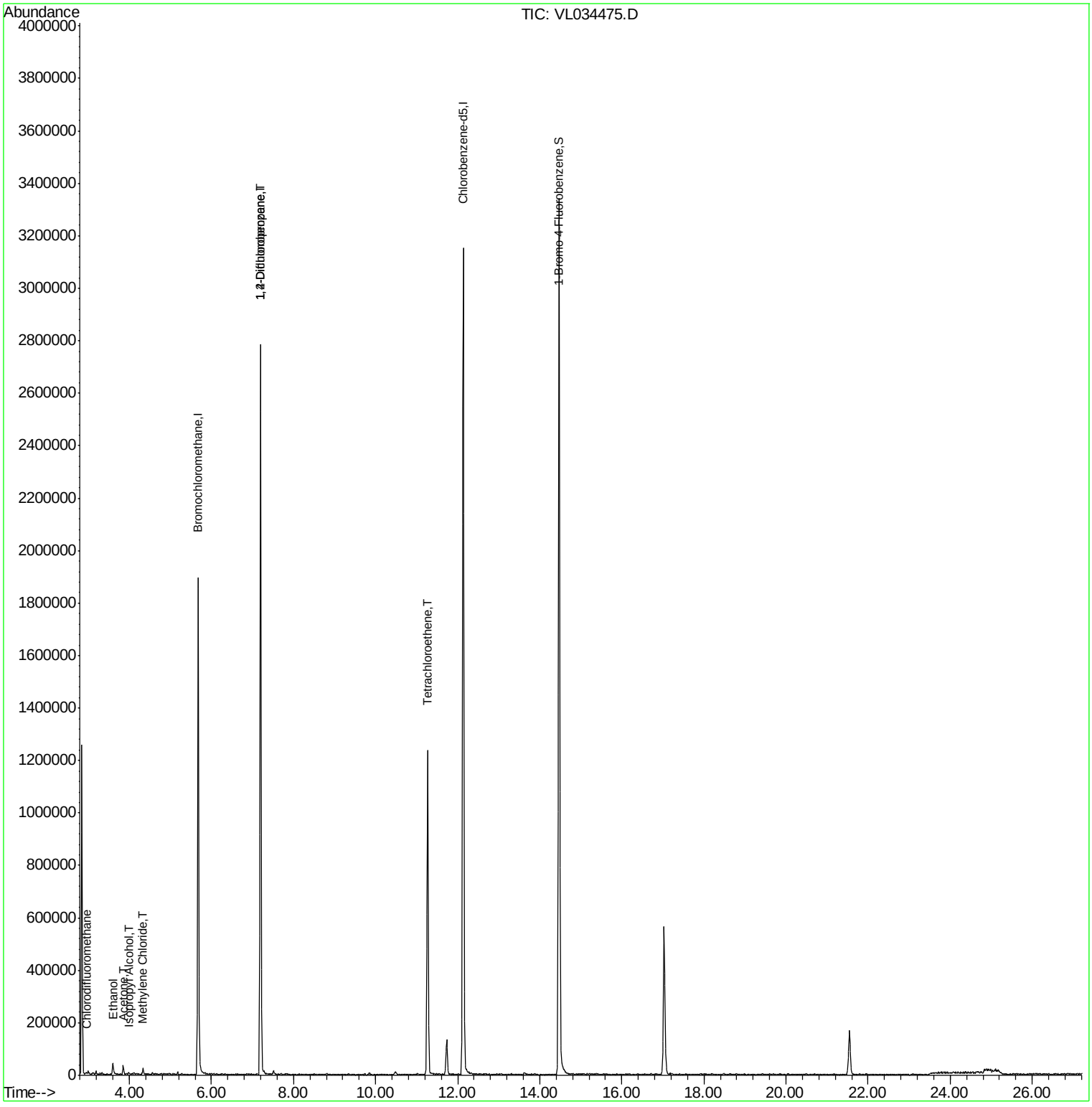
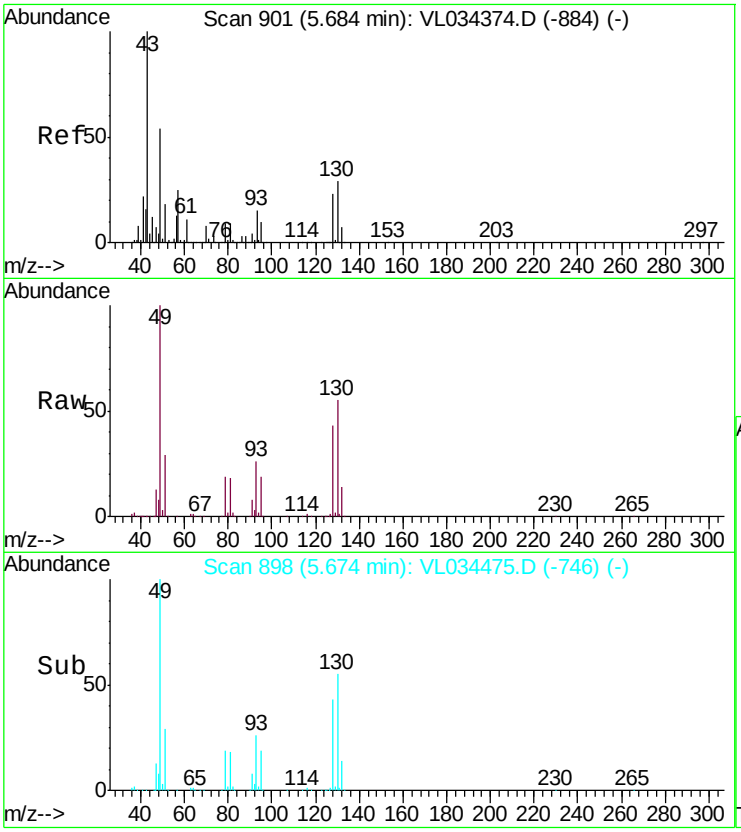


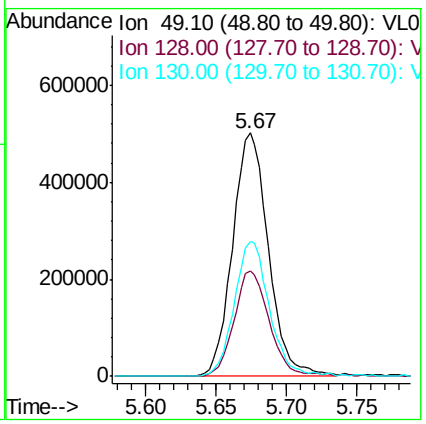


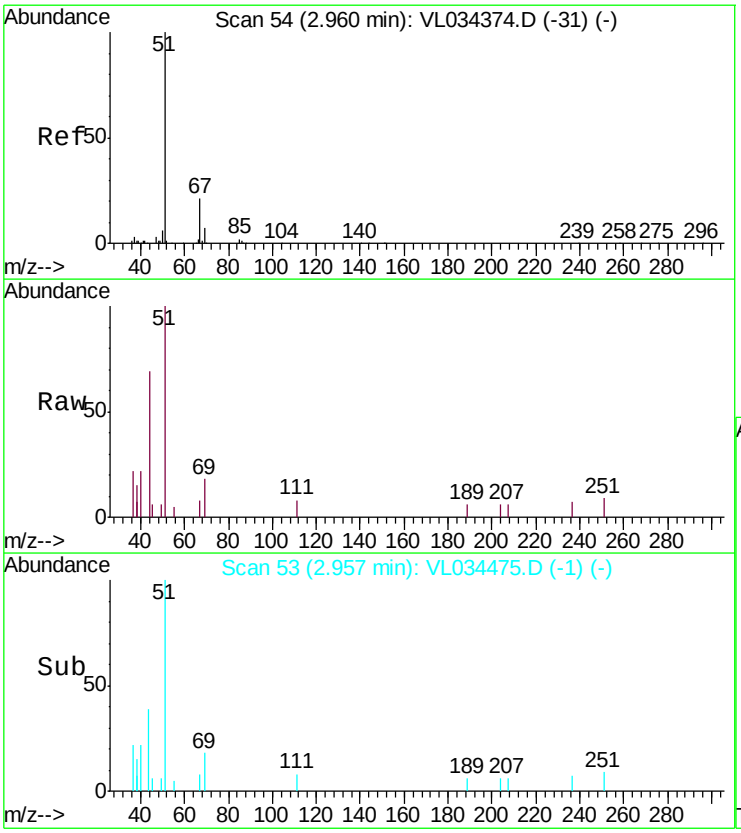
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL034475.D
Acq: 9 Dec 2019 22:06

Instrument :
MSVOA_L
ClientSampleId :
IA-HWDL

Tgt Ion: 49 Resp: 892844

Ion	Ratio	Lower	Upper
49	100		
128	43.1	21.8	65.3
130	54.5	28.0	84.0

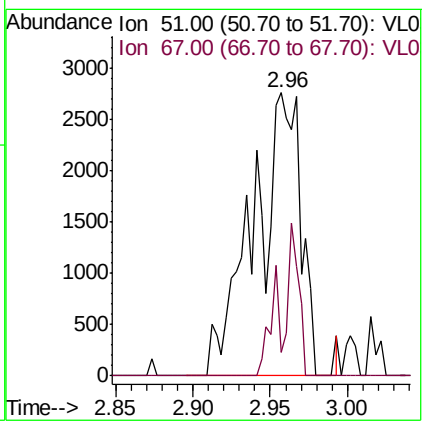


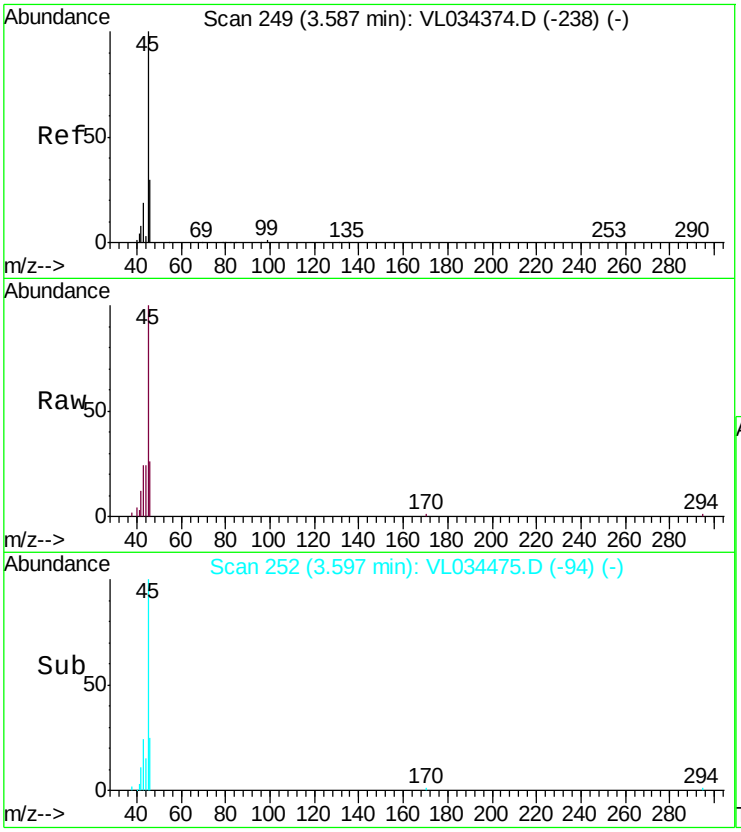


#3
Chlorodifluoromethane
Concen: 0.052 ppbv
RT: 2.96 min Scan# 53
Delta R.T. -0.00 min
Lab File: VL034475.D
Acq: 9 Dec 2019 22:06

Tgt Ion: 51 Resp: 5829

Ion	Ratio	Lower	Upper
51	100		
67	20.0	16.2	24.2



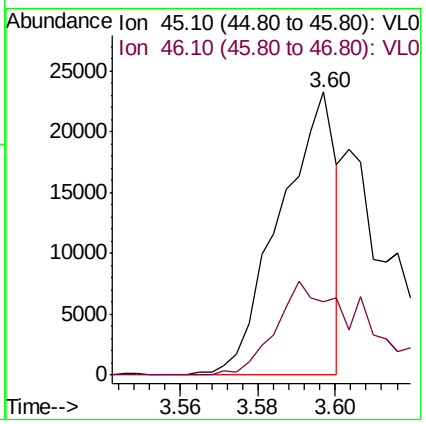


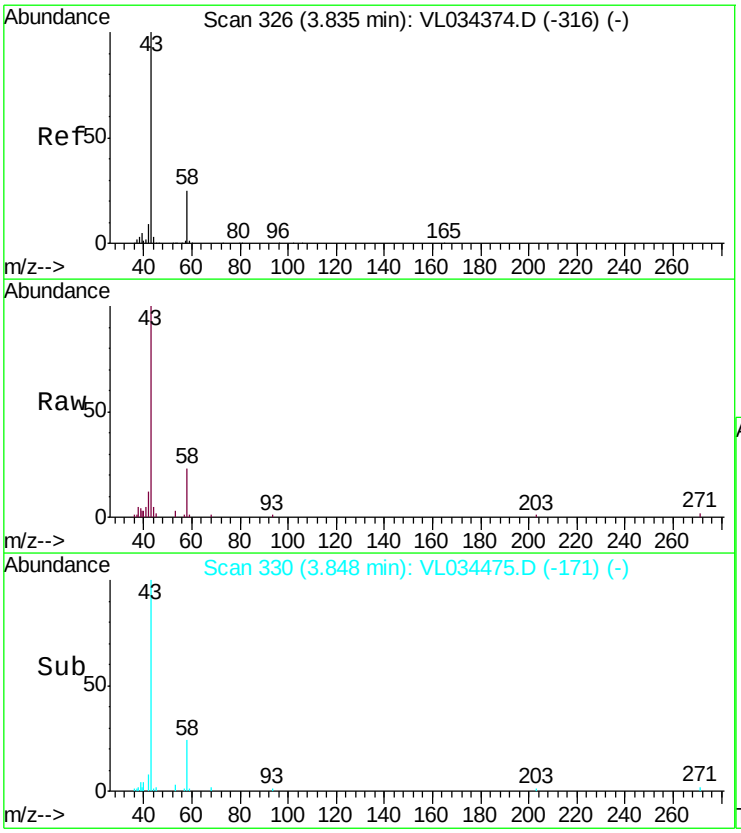
#13
Ethanol
Concen: 1.695 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.01 min
Lab File: VL034475.D
Acq: 9 Dec 2019 22:06

Instrument : MSVOA_L
ClientSampleId : IA-HWDL

Tgt Ion: 45 Resp: 23345

Ion	Ratio	Lower	Upper
45	100		
46	59.0	13.8	55.4#

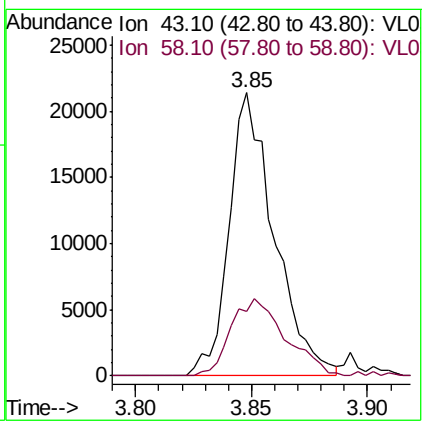


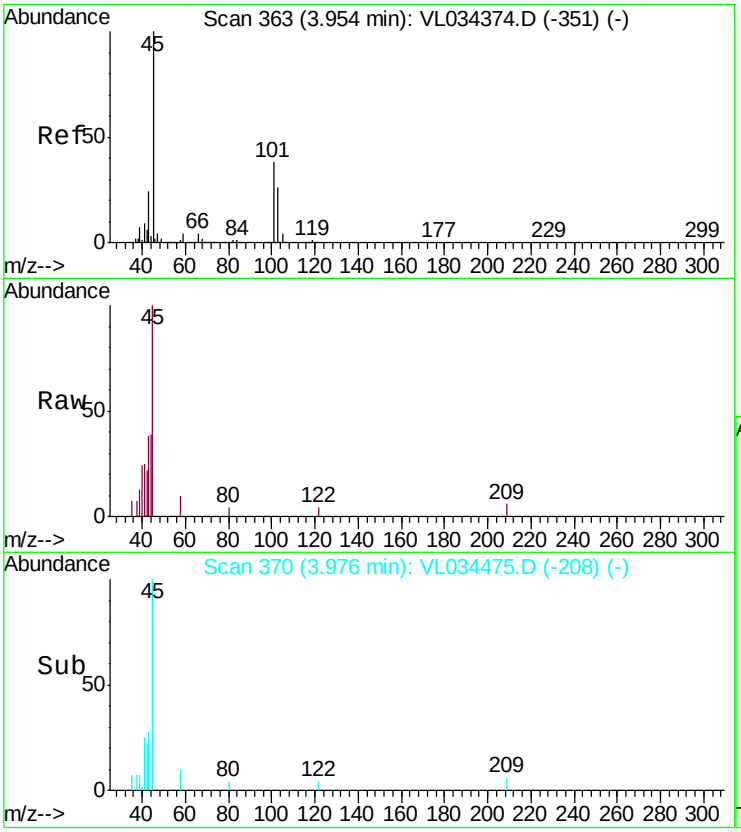


#15
Acetone
Concen: 0.226 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL034475.D
Acq: 9 Dec 2019 22:06

Tgt Ion: 43 Resp: 28926

Ion	Ratio	Lower	Upper
43	100		
58	33.3	20.2	30.4#



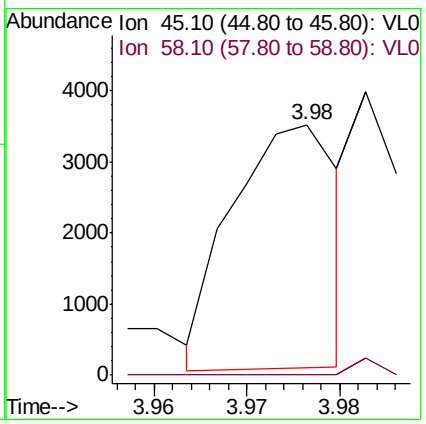


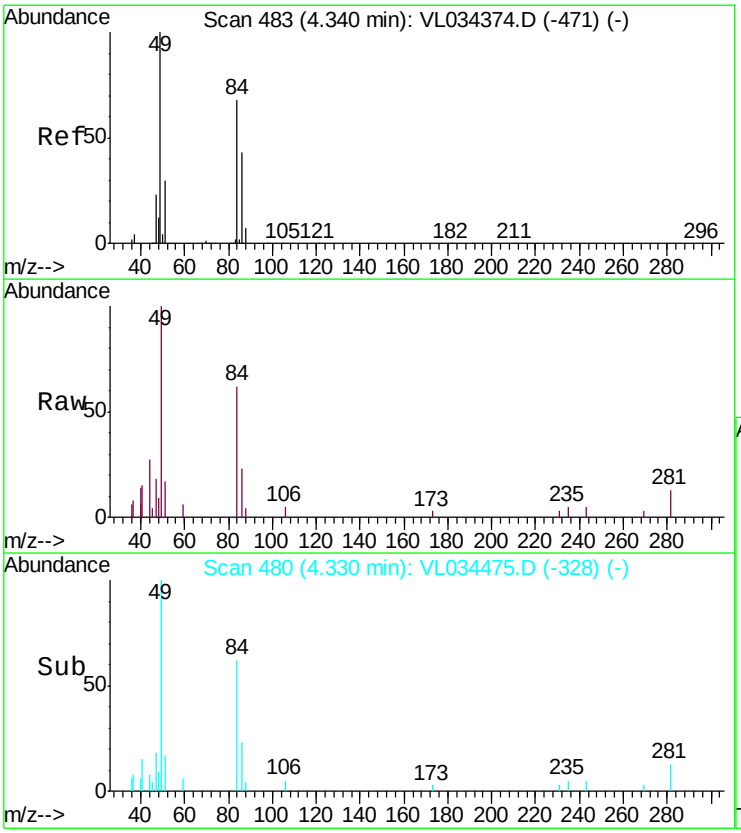
#19
Isopropyl Alcohol
Concen: 0.033 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.02 min
Lab File: VL034475.D
Acq: 9 Dec 2019 22:06

Instrument : MSVOA_L
ClientSampleId : IA-HWDL

Tgt Ion: 45 Resp: 2723

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.3	1.9#

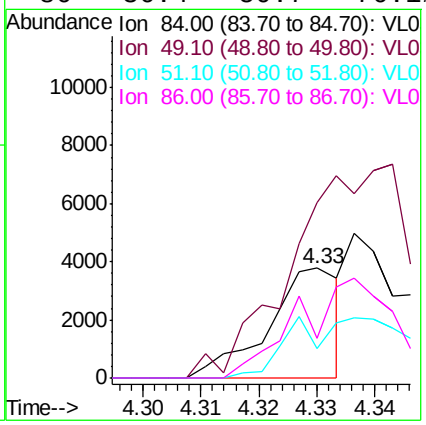


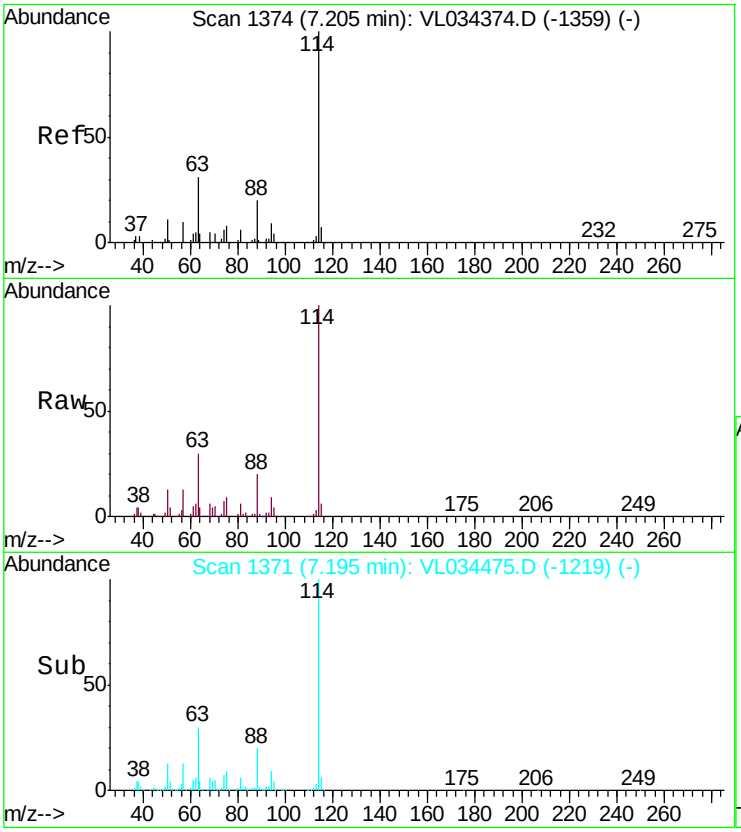


#20
Methylene Chloride
Concen: 0.071 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.01 min
Lab File: VL034475.D
Acq: 9 Dec 2019 22:06

Tgt Ion: 84 Resp: 3213

Ion	Ratio	Lower	Upper
84	100		
49	160.1	116.8	175.2
51	26.8	35.6	53.4#
86	36.4	50.7	76.1#



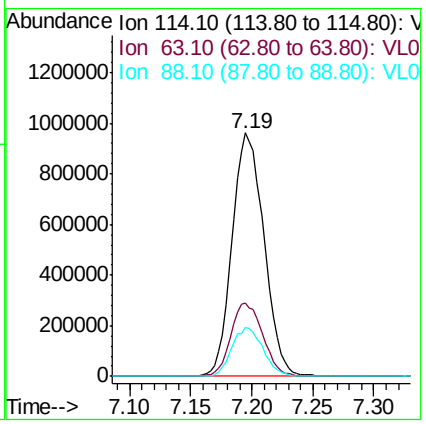


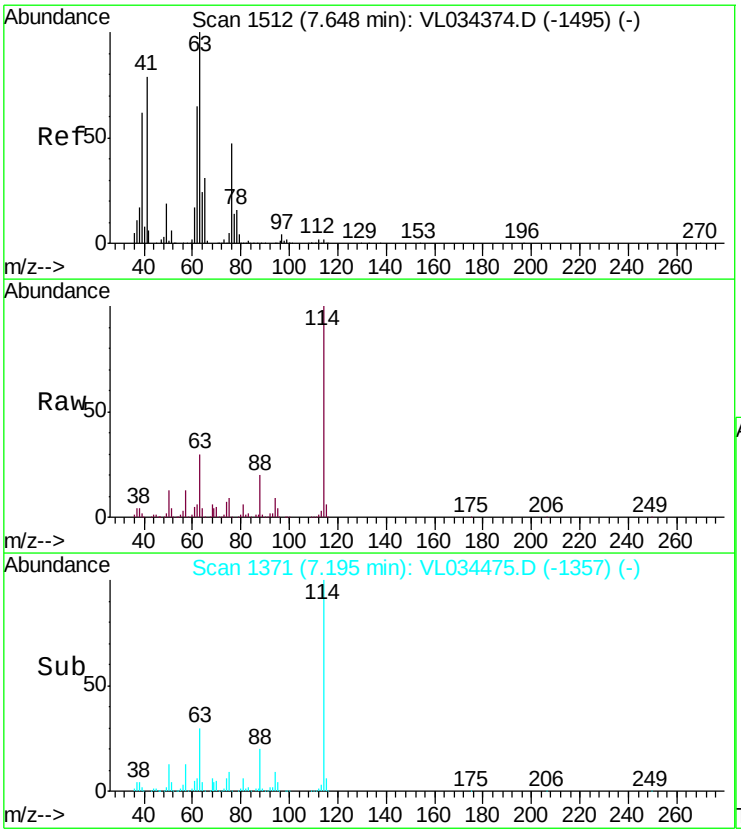
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1371
Delta R.T. -0.01 min
Lab File: VL034475.D
Acq: 9 Dec 2019 22:06

Instrument :
MSVOA_L
ClientSampleId :
IA-HWDL

Tgt Ion:114 Resp: 1737742

Ion	Ratio	Lower	Upper
114	100		
63	30.3	24.2	36.4
88	19.7	15.9	23.9

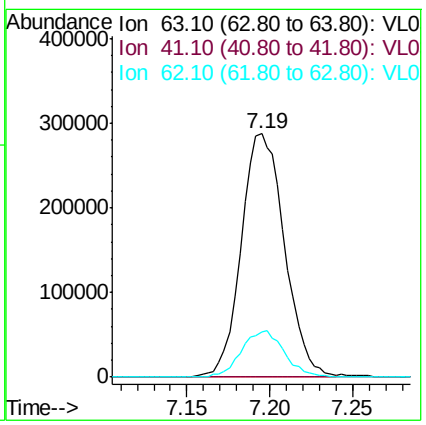


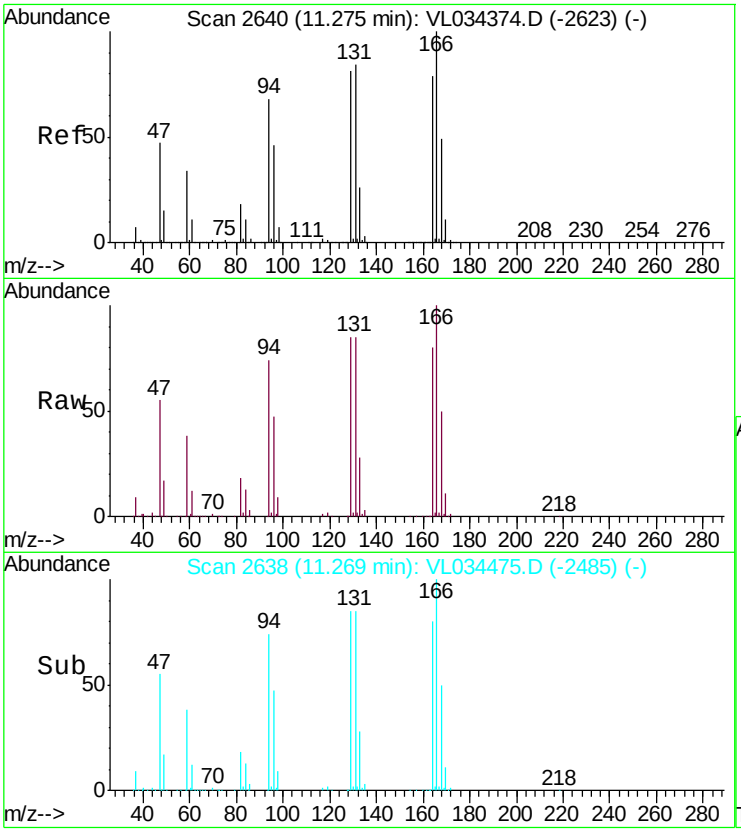


#39
1,2-Dichloropropane
Concen: 7.799 ppbv
RT: 7.19 min Scan# 1371
Delta R.T. -0.45 min
Lab File: VL034475.D
Acq: 9 Dec 2019 22:06

Tgt Ion: 63 Resp: 521934

Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.1	94.7#
62	18.5	52.3	78.5#



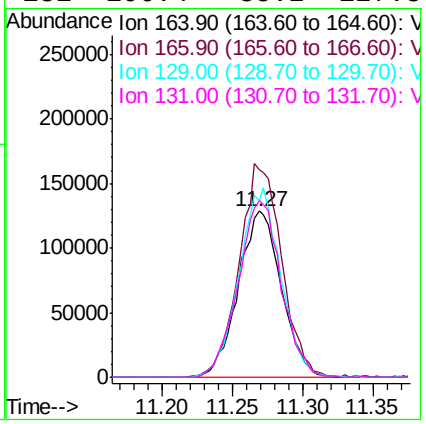


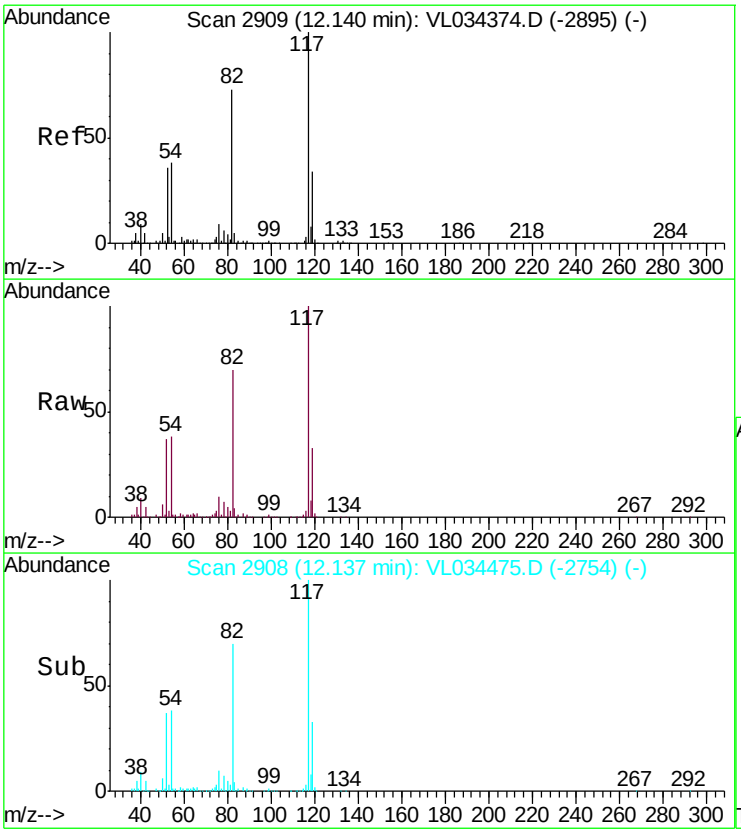
#52
Tetrachloroethene
Concen: 3.652 ppbv
RT: 11.27 min Scan# 2638
Delta R.T. -0.01 min
Lab File: VL034475.D
Acq: 9 Dec 2019 22:06

Instrument : MSVOA_L
ClientSampleId : IA-HWDL

Tgt Ion:164 Resp: 274488

Ion	Ratio	Lower	Upper
164	100		
166	124.5	101.7	152.5
129	106.0	82.6	123.8
131	106.4	85.2	127.8

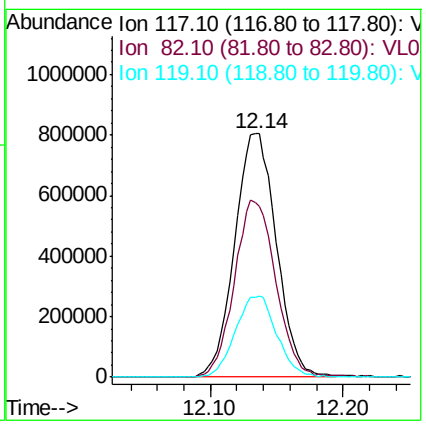


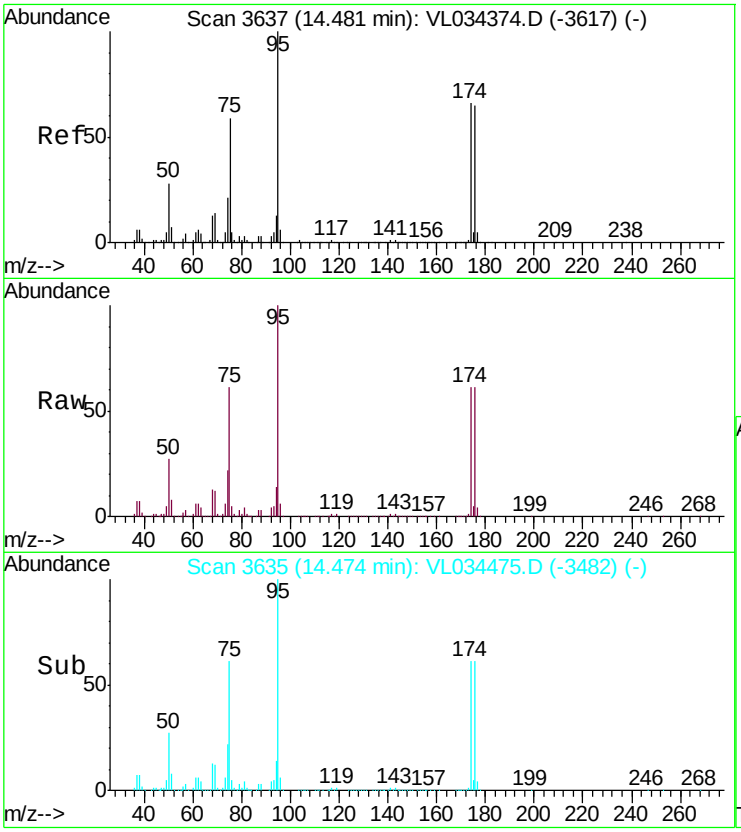


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL034475.D
Acq: 9 Dec 2019 22:06

Tgt Ion:117 Resp: 1758117

Ion	Ratio	Lower	Upper
117	100		
82	72.3	57.5	86.3
119	33.1	25.4	38.2





#68
1-Bromo-4-Fluorobenzene
Concen: 10.098 ppbv
RT: 14.47 min Scan# 3635
Delta R.T. -0.01 min
Lab File: VL034475.D
Acq: 9 Dec 2019 22:06

Instrument :
MSVOA_L
ClientSampleId :
IA-HWDL

Tgt Ion: 95 Resp: 1493545

Ion	Ratio	Lower	Upper
95	100		
174	63.4	52.2	78.2
175	4.4	3.8	5.8