Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041019\

Quantitation Report (Not Reviewed)

Data File : VL033584.D
Acq On : 11 Apr 2019 4:16
Operator : SY/AP
Sample : K2312-05DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-10DL

Quant Time: Apr 11 05:12:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	759705	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1754788	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1792347	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1443290	10.27	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	7493	0.068	ppbv #	76
3) Chlorodifluoromethane	2.99	51	343859	3.932	ppbv #	58
4) Chloromethane	3.17	50	3146	0.068	ppbv #	83
9) Propene	3.05	41	2356	0.064	ppbv	88
13) Ethanol	3.65	45	89463	9.413	ppbv	64
15) Acetone	3.91	43	56181	0.615	ppbv	91
19) Isopropyl Alcohol	4.03	45	13606	0.235	ppbv #	74
20) Methylene Chloride	4.41	84	25074	0.647	ppbv	87
25) Ethyl Acetate	5.78	43	28567	0.169	ppbv	99
26) Hexane	5.78	57	42228	0.560	ppbv #	52
31) cis-1,2-Dichloroethene	5.78	61	2624	0.035	ppbv #	33
39) 1,2-Dichloropropane	7.29	63	467288	8.102	ppbv #	24
53) Toluene	9.94	91	14164	0.083	ppbv #	21

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

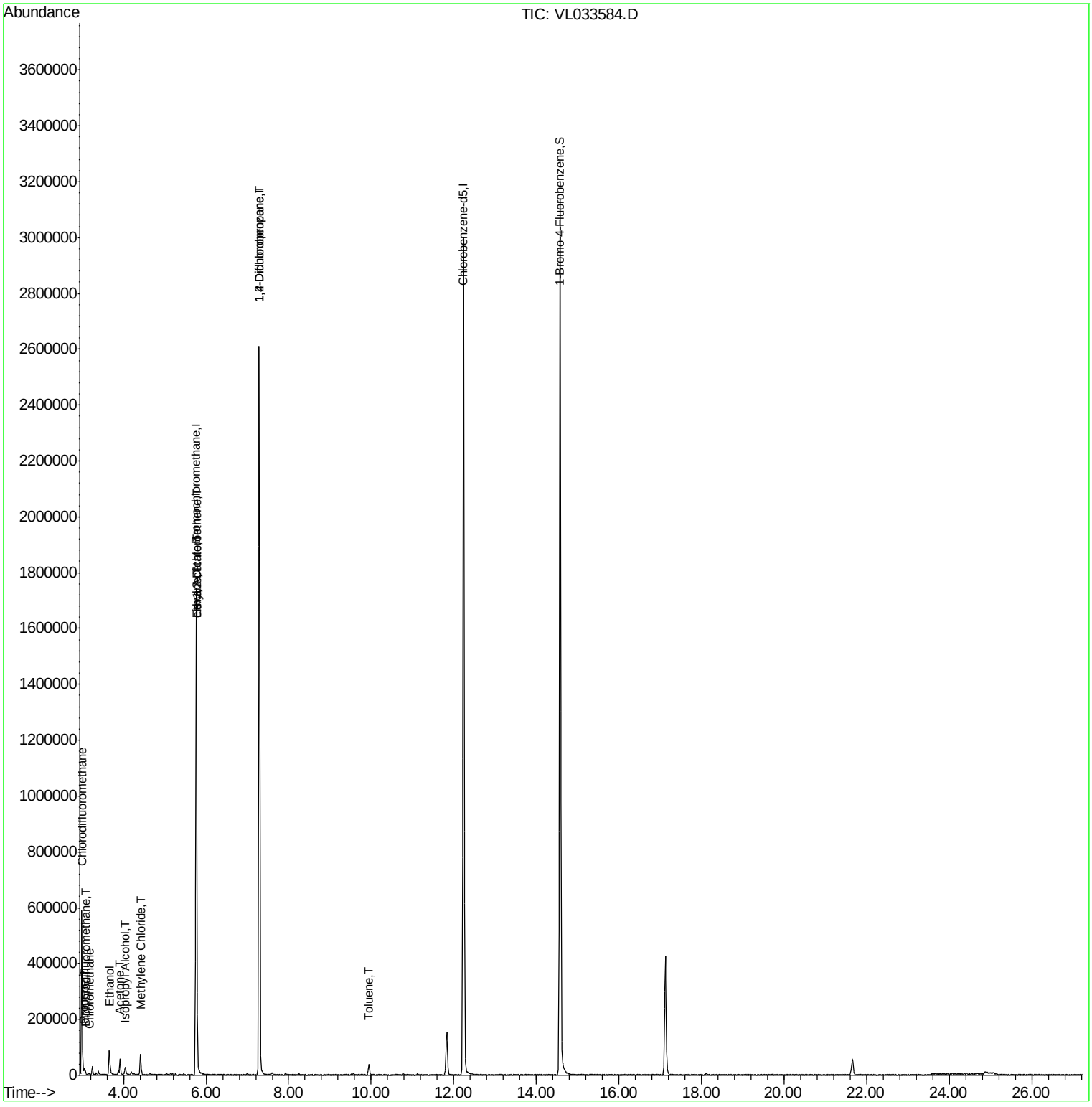
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041019\

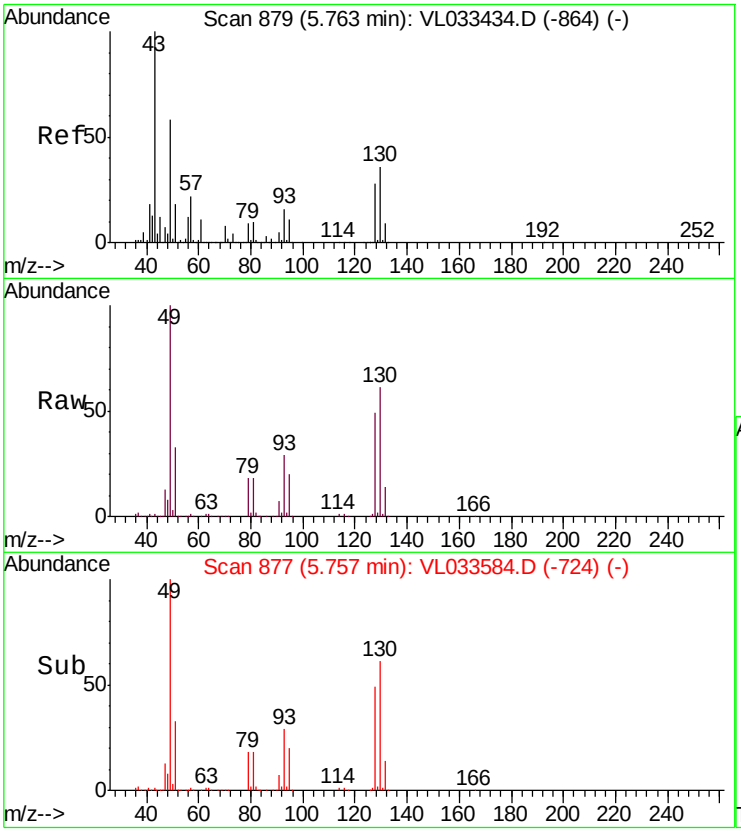
Quantitation Report (Not Reviewed)

Data File : VL033584.D
Acq On : 11 Apr 2019 4:16
Operator : SY/AP
Sample : K2312-05DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-10DL

Quant Time: Apr 11 05:12:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration



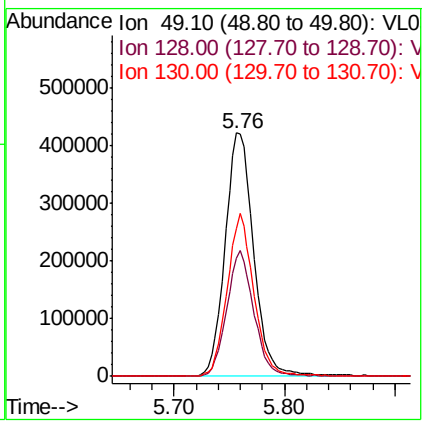


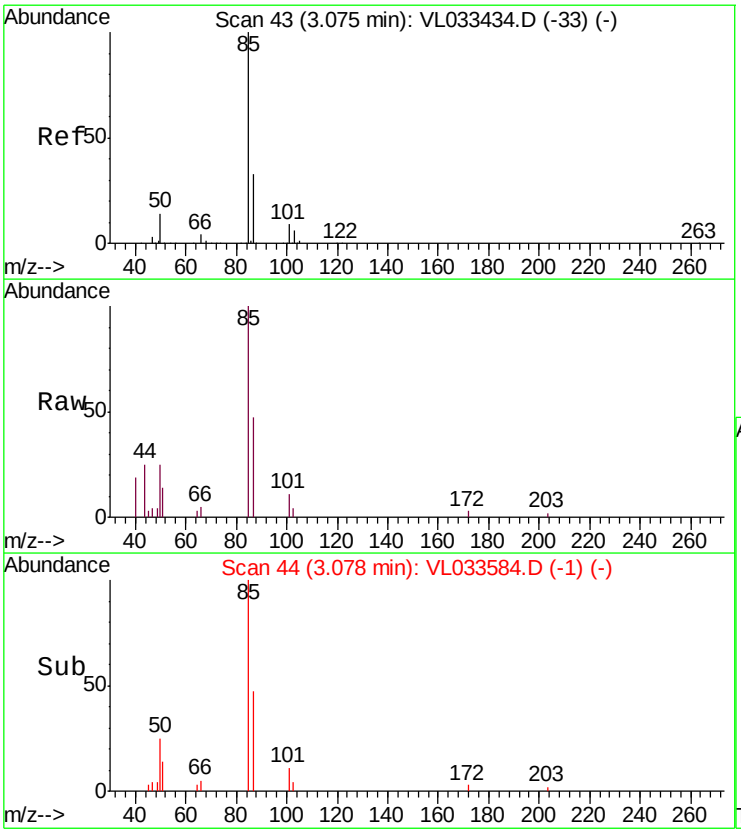
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033584.D
Acq: 11 Apr 2019 4:16

Instrument :
MSVOA_L
ClientSampleId :
A-10DL

Tgt Ion: 49 Resp: 759705

Ion	Ratio	Lower	Upper
49	100		
128	48.5	24.0	72.0
130	62.8	31.2	93.6

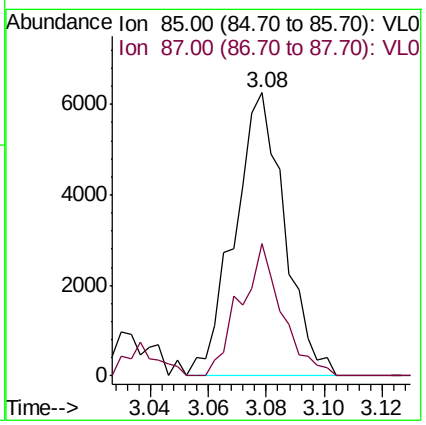


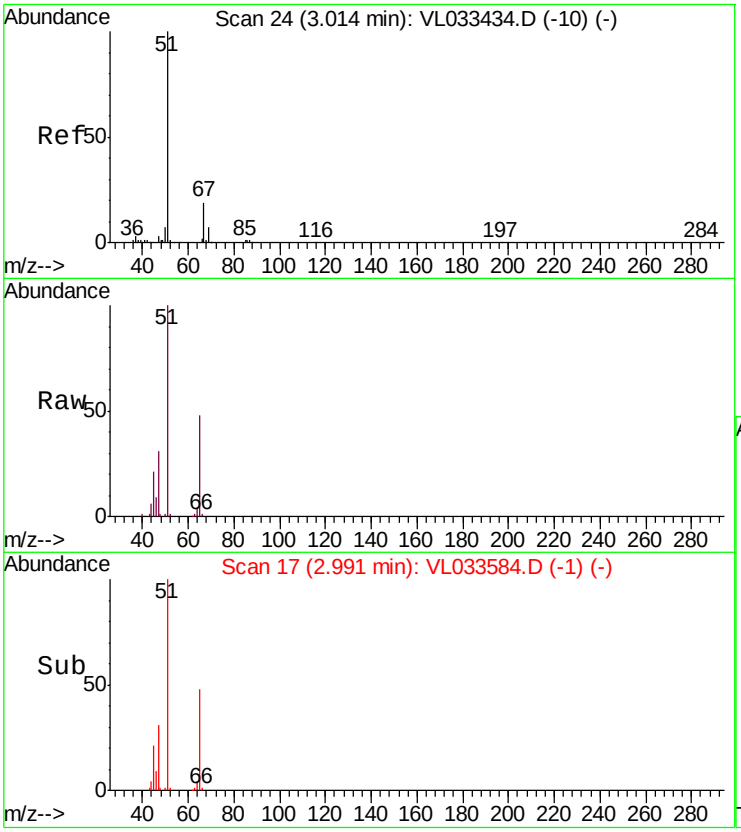


#2
Dichlorodifluoromethane
Concen: 0.068 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033584.D
Acq: 11 Apr 2019 4:16

Tgt Ion: 85 Resp: 7493

Ion	Ratio	Lower	Upper
85	100		
87	46.8	26.7	40.1#



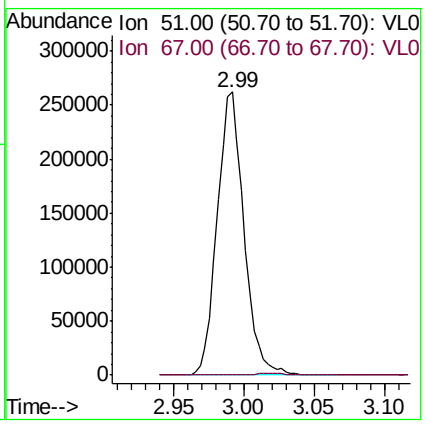


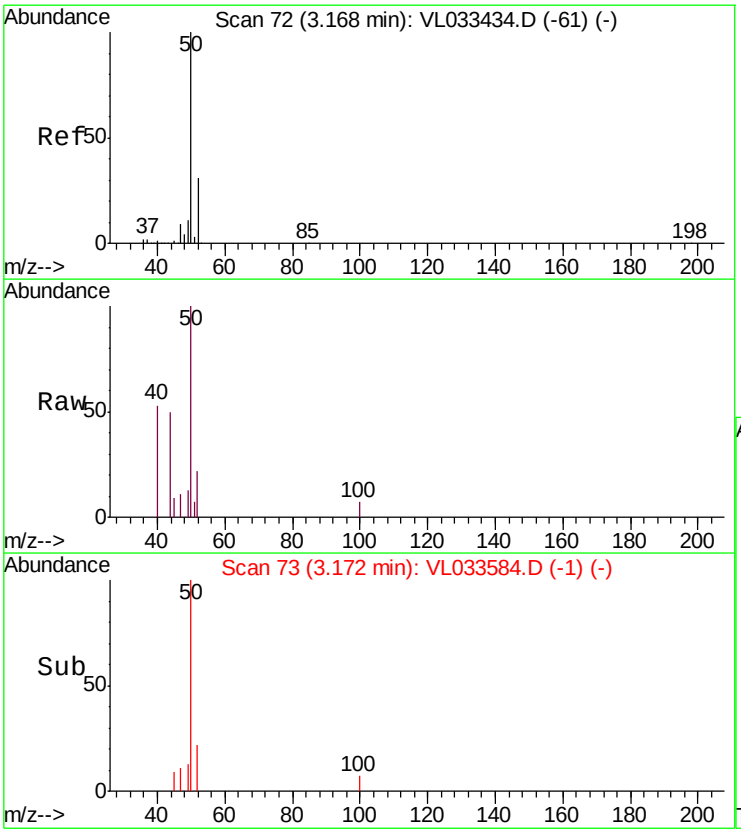
#3
Chlorodifluoromethane
Concen: 3.932 ppbv
RT: 2.99 min Scan# 17
Delta R.T. -0.02 min
Lab File: VL033584.D
Acq: 11 Apr 2019 4:16

Instrument : MSVOA_L
ClientSampleId : A-10DL

Tgt Ion: 51 Resp: 343859

Ion	Ratio	Lower	Upper
51	100		
67	0.6	15.7	23.5#

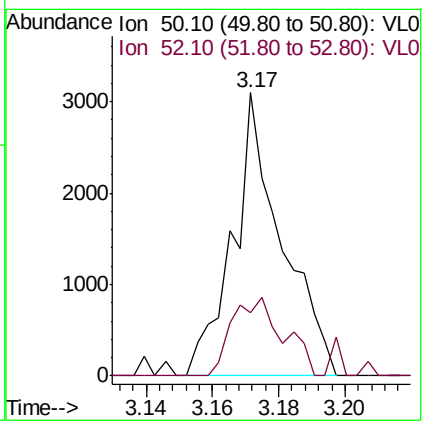


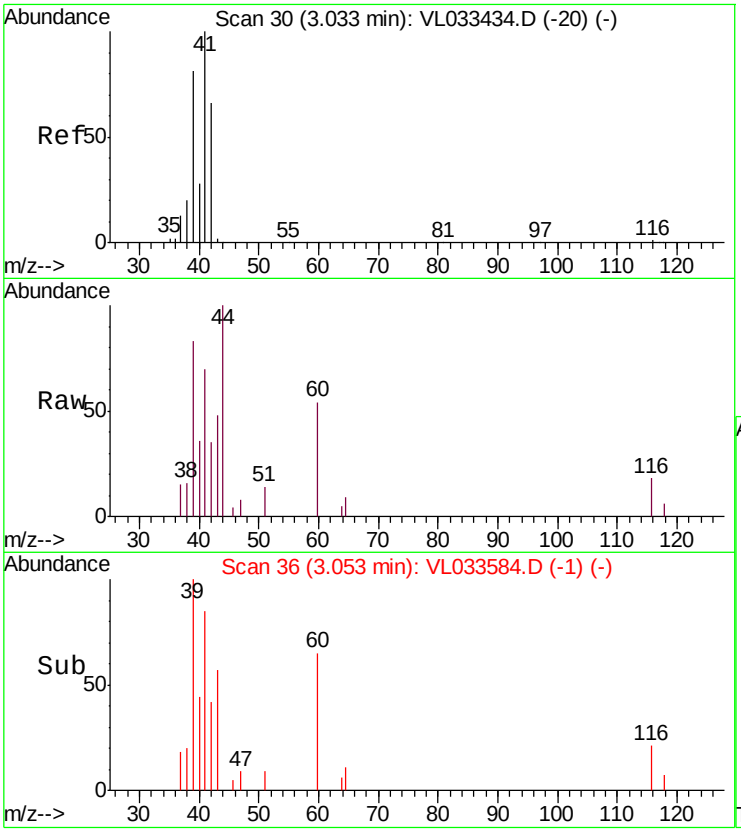


#4
Chloromethane
Concen: 0.068 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033584.D
Acq: 11 Apr 2019 4:16

Tgt Ion: 50 Resp: 3146

Ion	Ratio	Lower	Upper
50	100		
52	22.2	25.0	37.6#



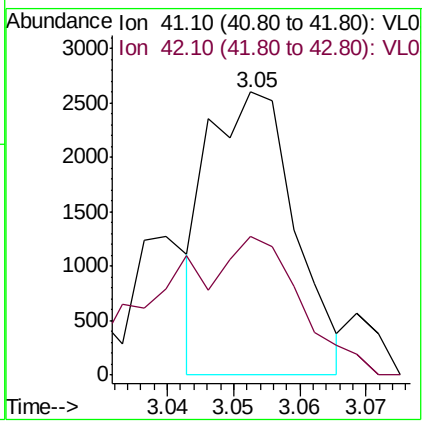


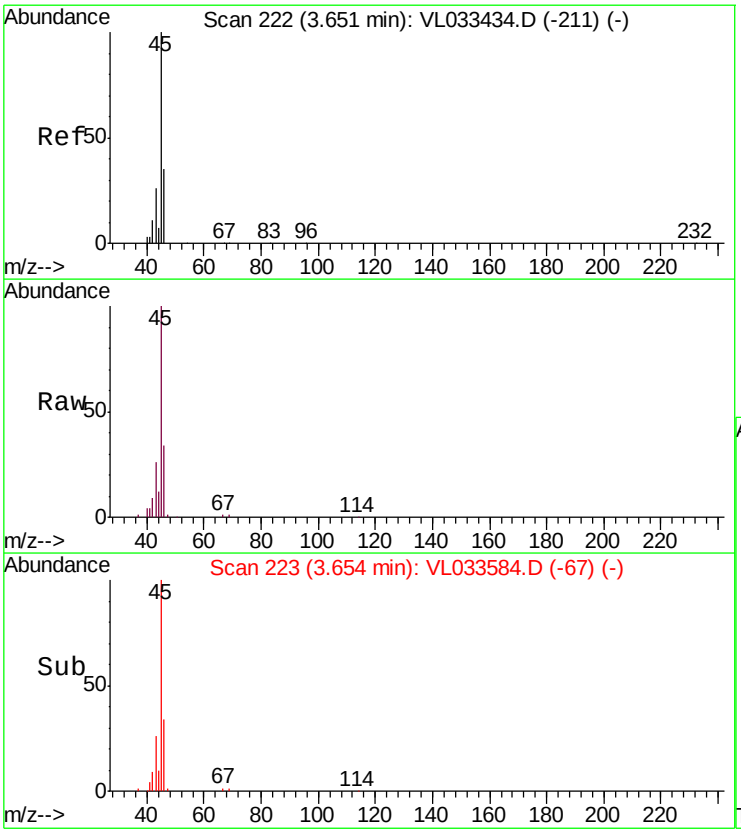
#9
Propene
Concen: 0.064 ppbv
RT: 3.05 min Scan# 36
Delta R.T. 0.02 min
Lab File: VL033584.D
Acq: 11 Apr 2019 4:16

Instrument : MSVOA_L
ClientSampleId : A-10DL

Tgt Ion: 41 Resp: 2356

Ion	Ratio	Lower	Upper
41	100		
42	77.2	53.9	80.9

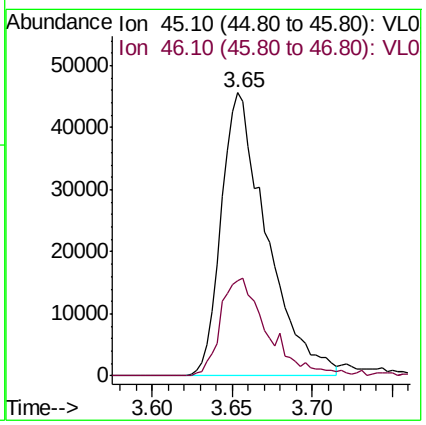


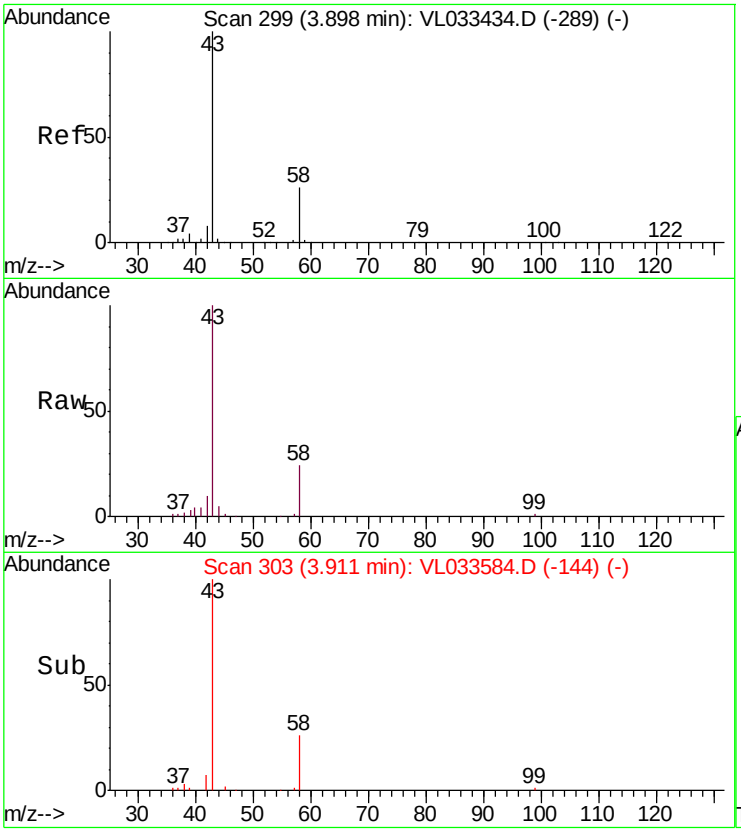


#13
Ethanol
Concen: 9.413 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033584.D
Acq: 11 Apr 2019 4:16

Tgt Ion: 45 Resp: 89463

Ion	Ratio	Lower	Upper
45	100		
46	35.6	25.4	101.8



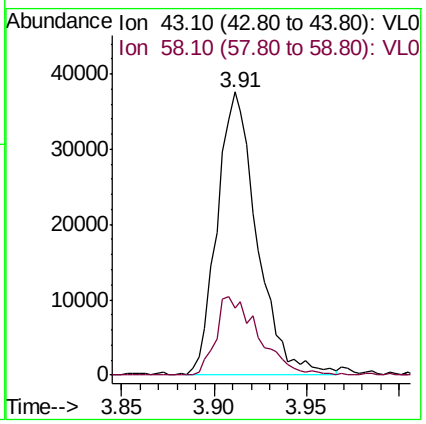


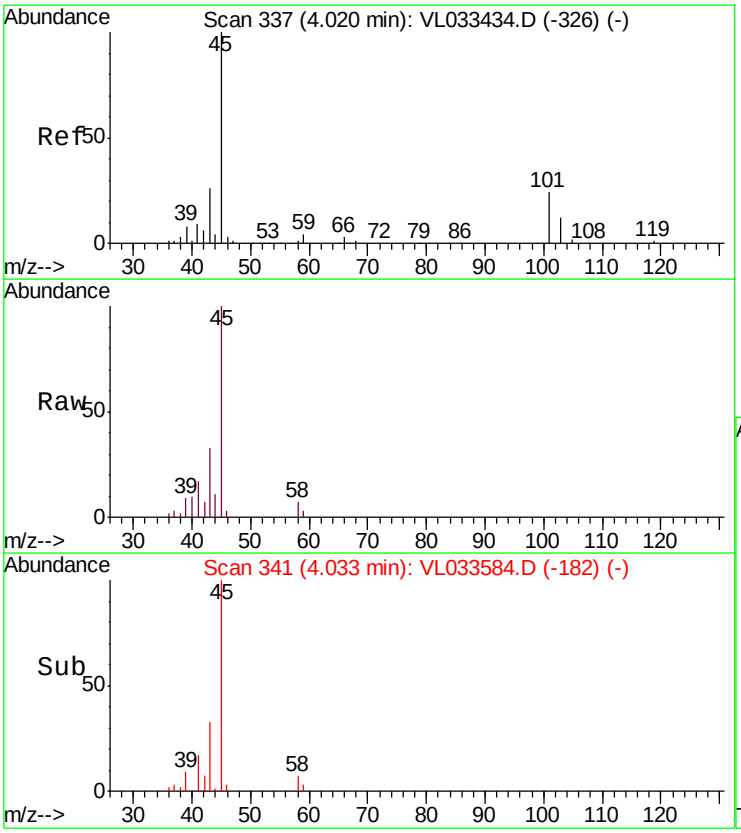
#15
Acetone
Concen: 0.615 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.01 min
Lab File: VL033584.D
Acq: 11 Apr 2019 4:16

Instrument : MSVOA_L
ClientSampleId : A-10DL

Tgt Ion: 43 Resp: 56181

Ion	Ratio	Lower	Upper
43	100		
58	29.9	20.5	30.7

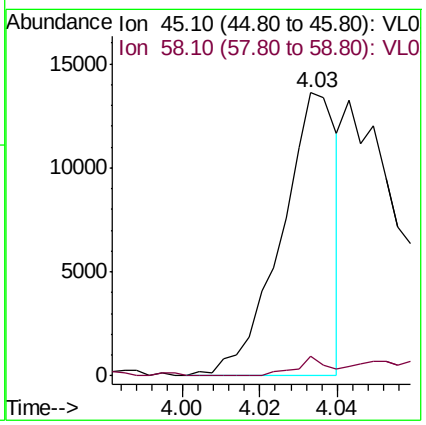


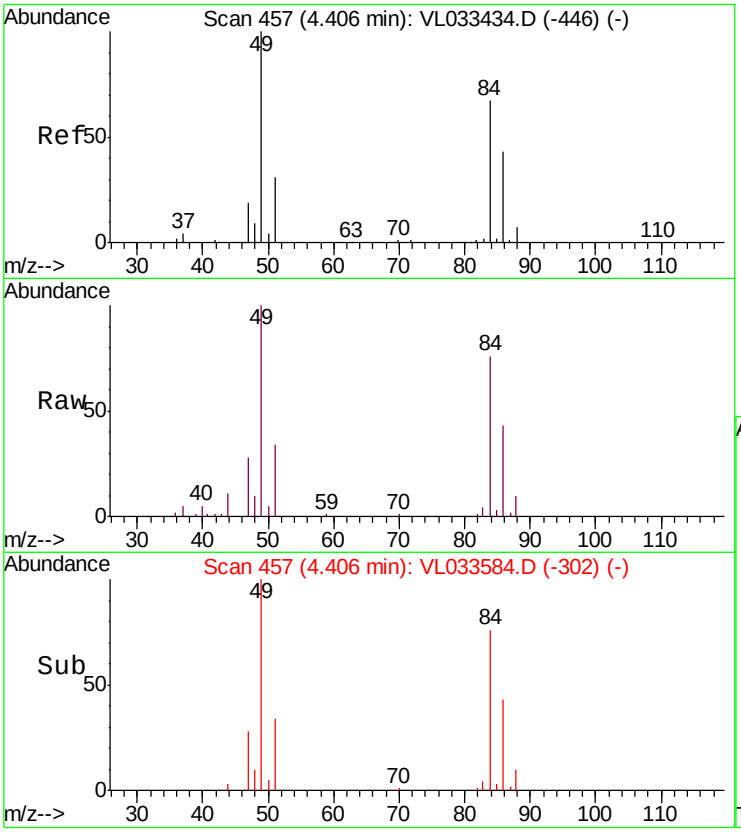


#19
Isopropyl Alcohol
Concen: 0.235 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL033584.D
Acq: 11 Apr 2019 4:16

Tgt Ion: 45 Resp: 13606

Ion	Ratio	Lower	Upper
45	100		
58	11.1	1.4	2.2#



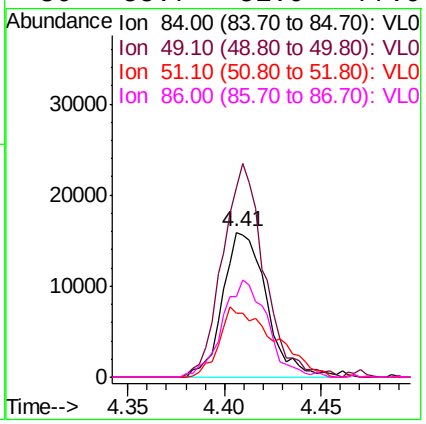


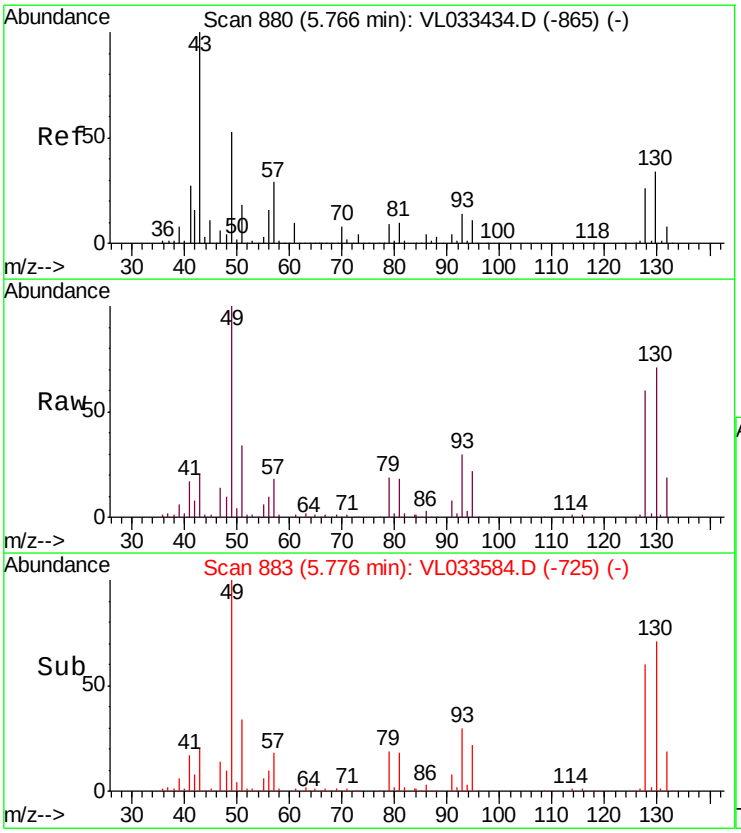
#20
Methylene Chloride
Concen: 0.647 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033584.D
Acq: 11 Apr 2019 4:16

Instrument : MSVOA_L
ClientSampleId : A-10DL

Tgt Ion: 84 Resp: 25074

Ion	Ratio	Lower	Upper
84	100		
49	129.4	120.0	180.0
51	44.1	36.7	55.1
86	55.7	51.9	77.9

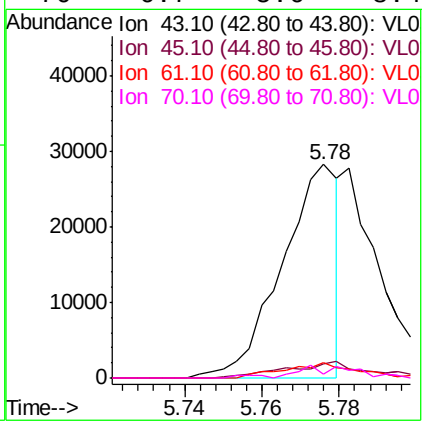


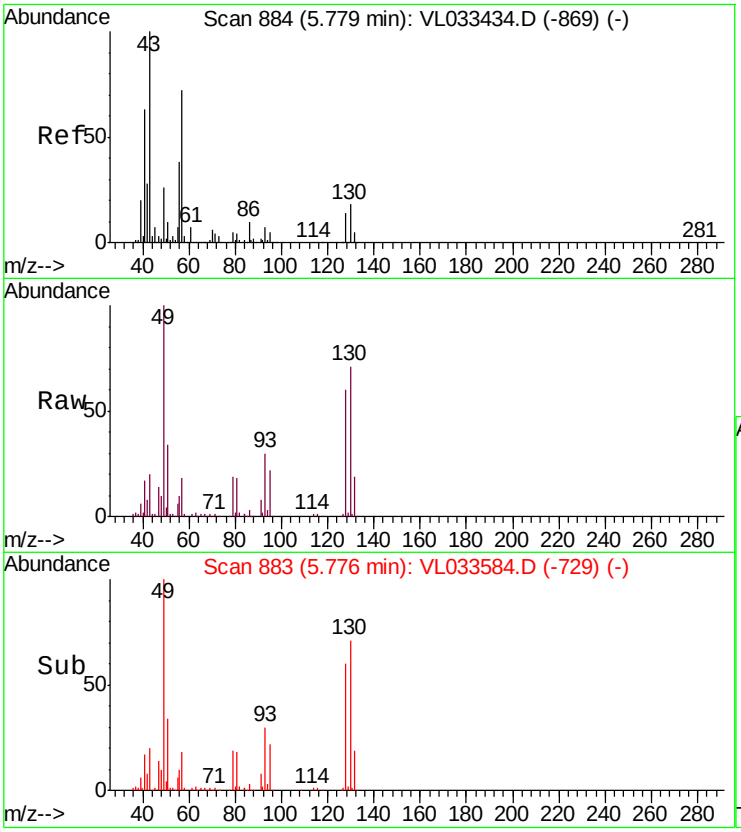


#25
Ethyl Acetate
Concen: 0.169 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033584.D
Acq: 11 Apr 2019 4:16

Tgt Ion: 43 Resp: 28567

Ion	Ratio	Lower	Upper
43	100		
45	10.4	7.8	11.6
61	9.6	7.3	10.9
70	6.7	5.6	8.4



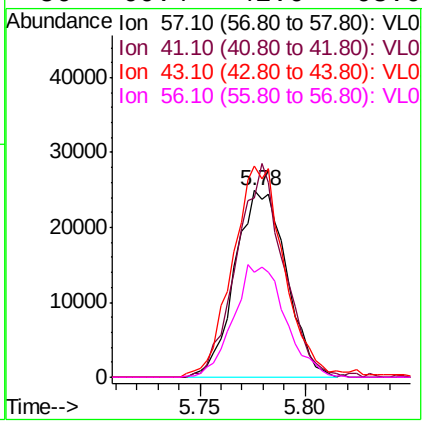


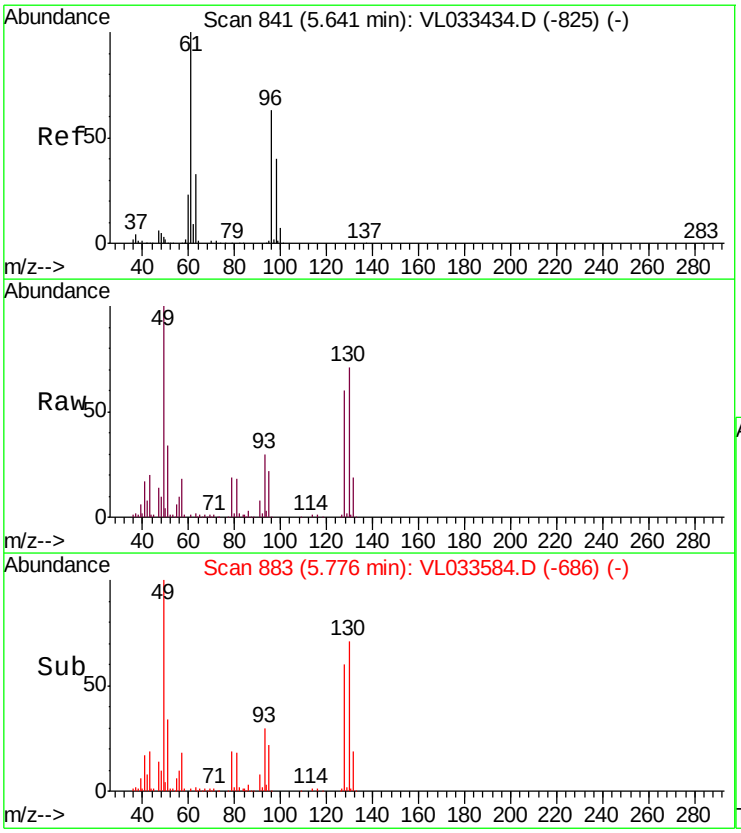
#26
Hexane
Concen: 0.560 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033584.D
Acq: 11 Apr 2019 4:16

Instrument : MSVOA_L
ClientSampleId : A-10DL

Tgt Ion: 57 Resp: 42228

Ion	Ratio	Lower	Upper
57	100		
41	105.9	70.7	106.1
43	116.1	182.6	274.0#
56	60.4	42.0	63.0

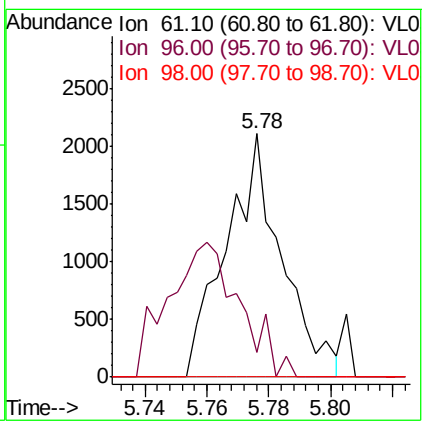


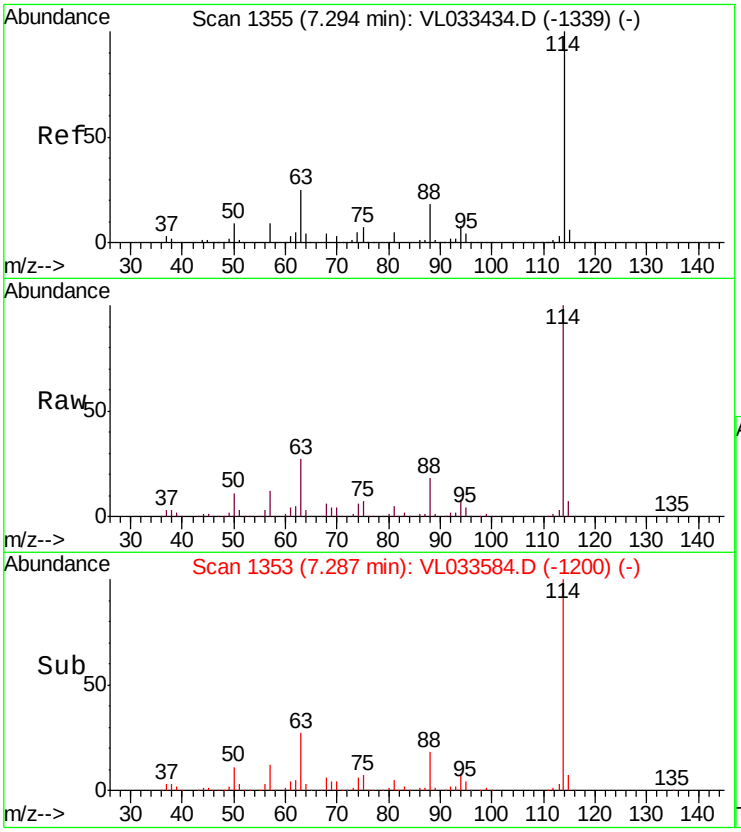


#31
cis-1,2-Dichloroethene
Concen: 0.035 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.13 min
Lab File: VL033584.D
Acq: 11 Apr 2019 4:16

Tgt Ion: 61 Resp: 2624

Ion	Ratio	Lower	Upper
61	100		
96	10.1	50.6	76.0#
98	0.0	32.2	48.2#



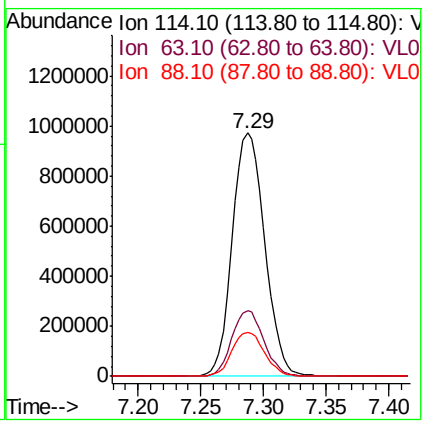


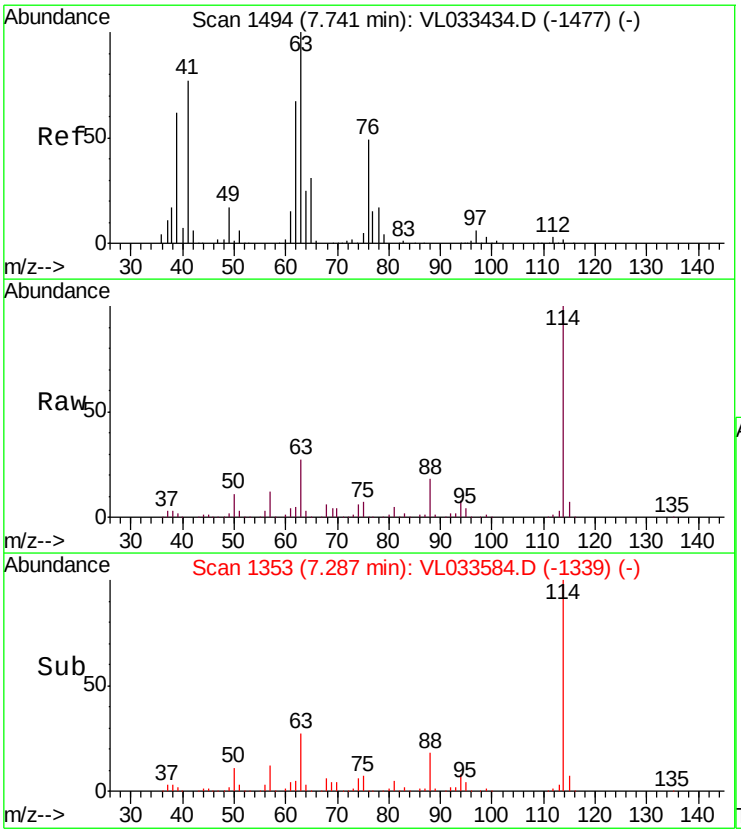
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033584.D
Acq: 11 Apr 2019 4:16

Instrument :
MSVOA_L
ClientSampleId :
A-10DL

Tgt Ion:114 Resp: 1754788

Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.5	32.3
88	18.2	14.5	21.7

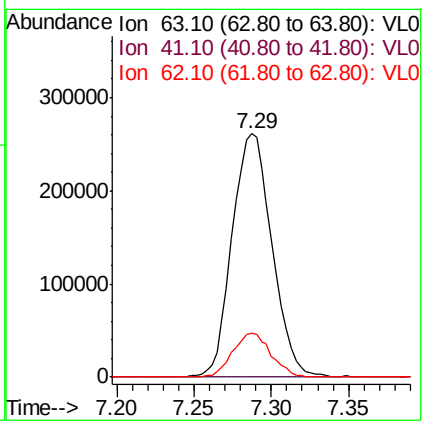


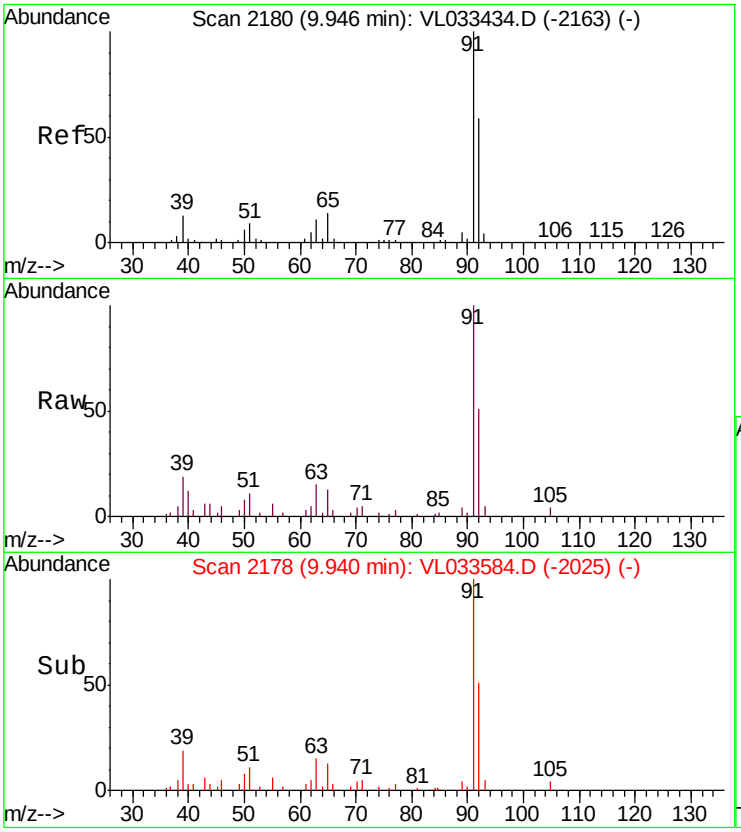


#39
1,2-Dichloropropane
Concen: 8.102 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.45 min
Lab File: VL033584.D
Acq: 11 Apr 2019 4:16

Tgt Ion: 63 Resp: 467288

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.2	91.8#
62	18.0	54.0	81.0#



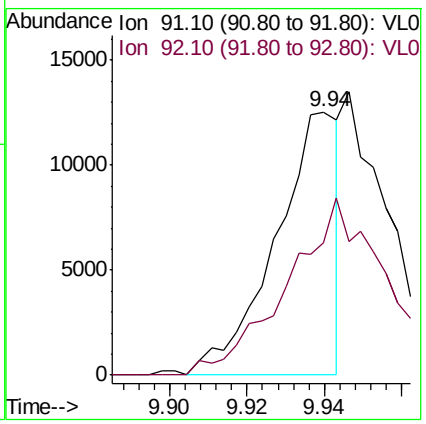


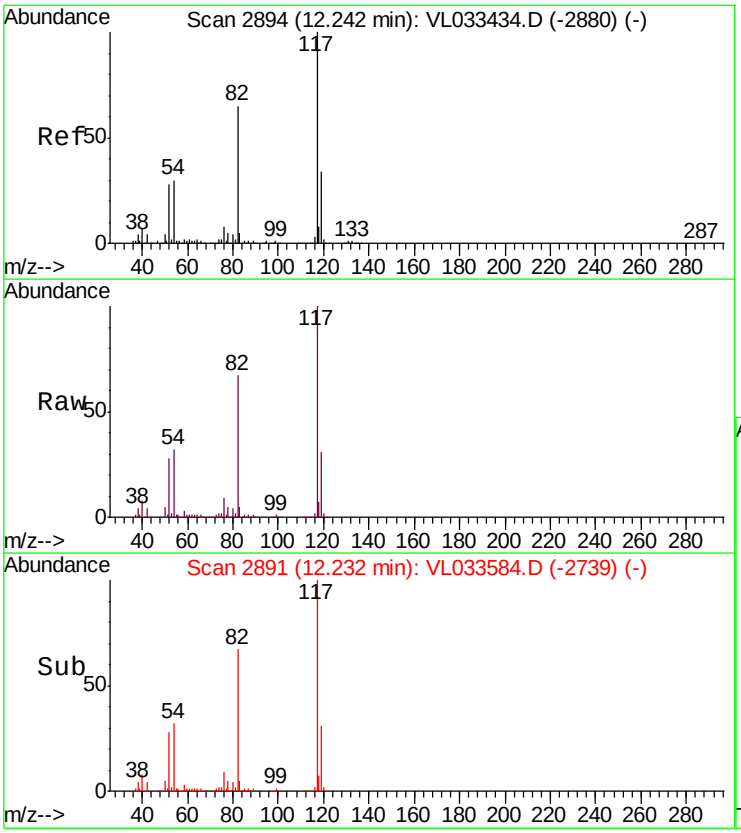
#53
Toluene
Concen: 0.083 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033584.D
Acq: 11 Apr 2019 4:16

Instrument : MSVOA_L
ClientSampleId : A-10DL

Tgt Ion: 91 Resp: 14164

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.4	71.0#

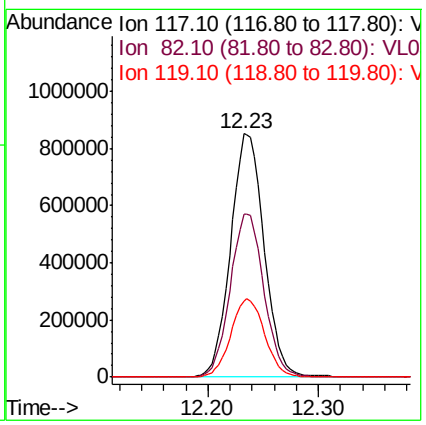


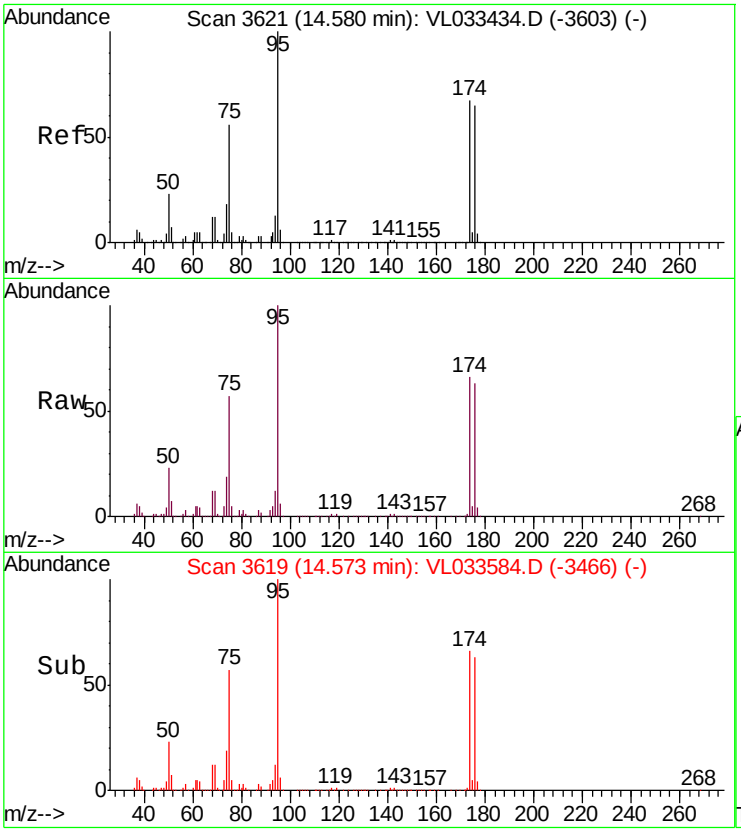


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033584.D
Acq: 11 Apr 2019 4:16

Tgt Ion:117 Resp: 1792347

Ion	Ratio	Lower	Upper
117	100		
82	67.9	51.5	77.3
119	32.6	25.5	38.3





#68
1-Bromo-4-Fluorobenzene
Concen: 10.271 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033584.D
Acq: 11 Apr 2019 4:16

Instrument :
MSVOA_L
ClientSampleId :
A-10DL

Tgt Ion: 95 Resp: 1443290

Ion	Ratio	Lower	Upper
95	100		
174	66.6	52.9	79.3
175	4.7	3.8	5.6