Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\
Data File : VL033179.D
Acq On : 6 Feb 2019 10:35
Operator : SY/AP
Sample : K1289-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 1000

Quant Time: Feb 20 06:45:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 06:00:52 2019
QLast Update : Wed Feb 20 06:00:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	801078	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1903566	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	1964430	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1640303	10.71	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 107.10%			
Target Compounds						Qvalue
5) Vinyl Chloride	3.29	62	962810	18.104	ppbv	99
9) Propene	3.04	41	768495	16.493	ppbv	98
18) 1,1-Dichloroethene	4.35	96	627108	16.303	ppbv	96
24) 1,1-Dichloroethane	5.09	63	2612606	23.614	ppbv	100
26) Hexane	5.78	57	2465254	25.879	ppbv #	42
47) 1,1,2-Trichloroethane	9.61	97	1395952	17.668	ppbv	98
48) Dibromochloromethane	10.45	129	2007845	16.130	ppbv	100
53) Toluene	9.95	91	3073278	13.453	ppbv	100
54) 1,2-Dibromoethane	10.76	107	2110031	17.018	ppbv	97
57) Chlorobenzene	12.30	112	3260756	18.759	ppbv	98

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

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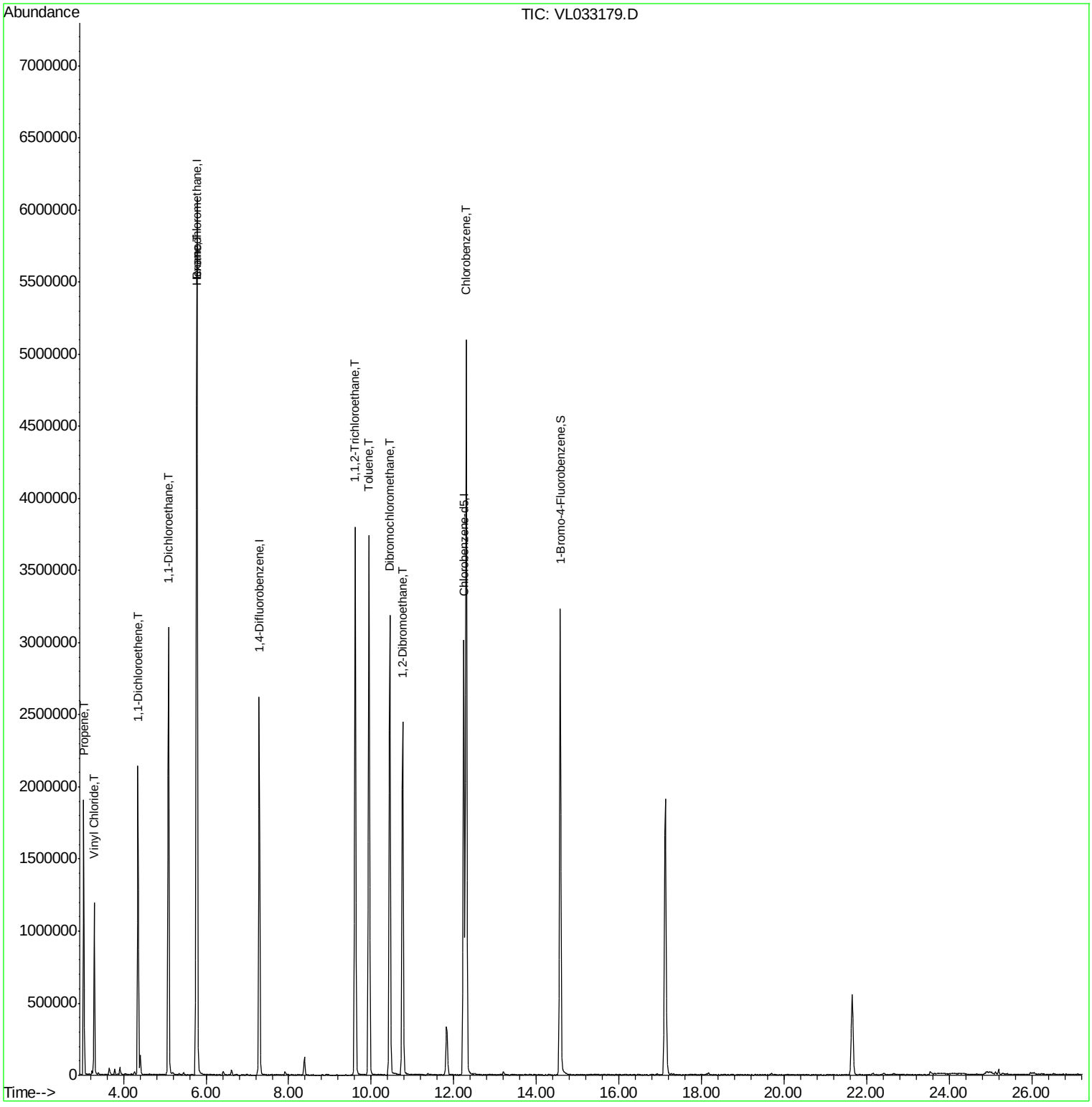
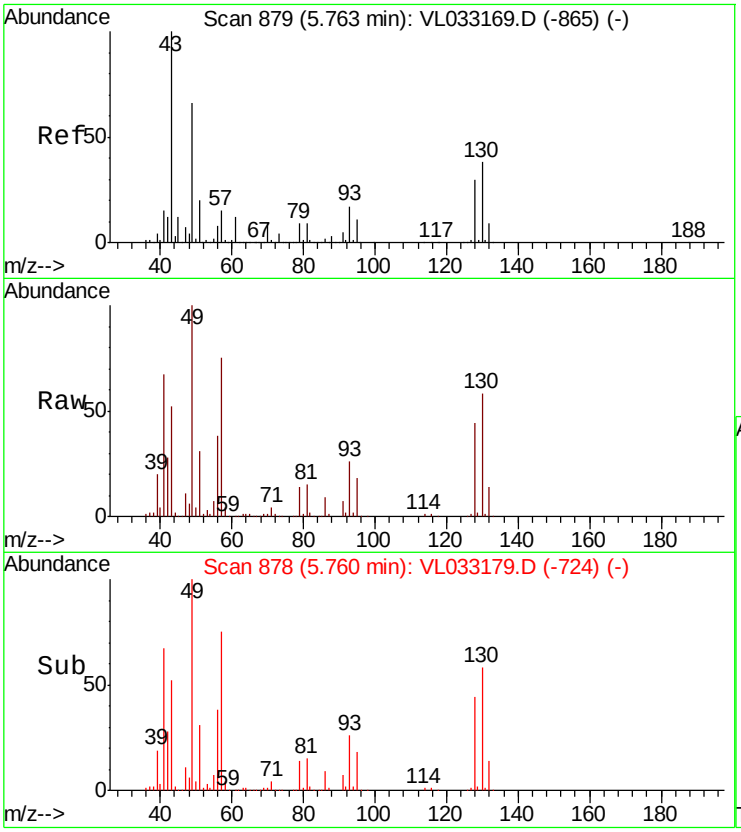


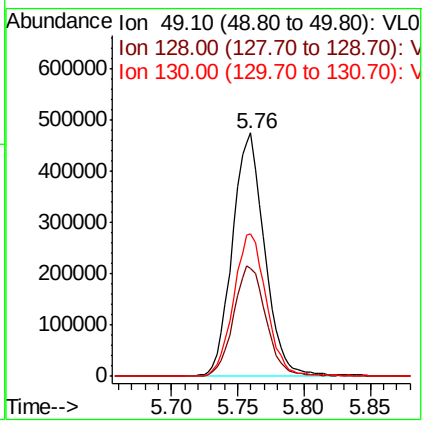


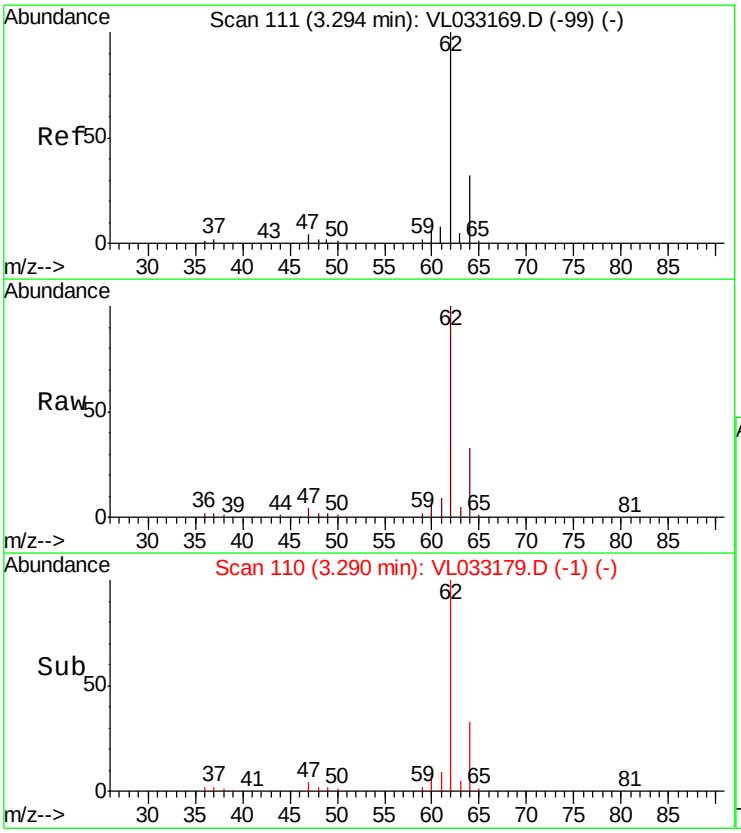
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033179.D
Acq: 6 Feb 2019 10:35

Instrument :
MSVOA_L
ClientSampleId :
1000

Tgt Ion: 49 Resp: 801078

Ion	Ratio	Lower	Upper
49	100		
128	46.3	23.6	71.0
130	60.4	30.3	91.0

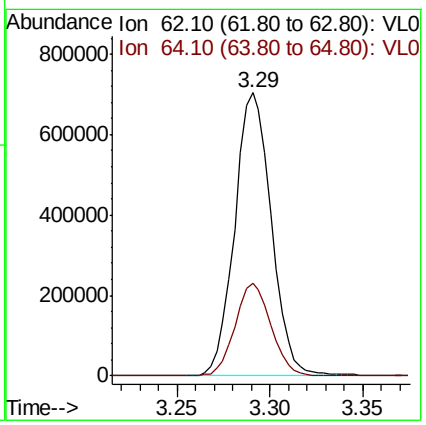


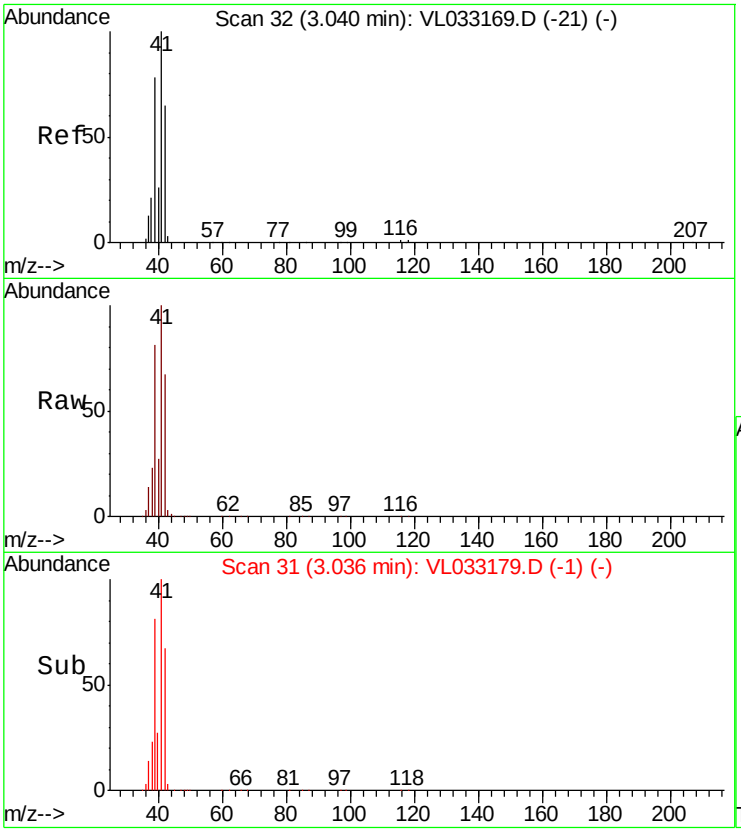


#5
Vinyl Chloride
Concen: 18.104 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033179.D
Acq: 6 Feb 2019 10:35

Tgt Ion: 62 Resp: 962810

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.6	38.4



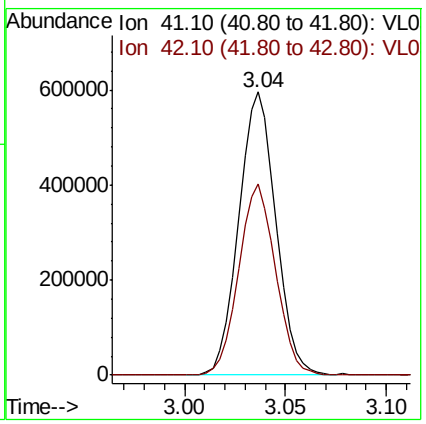


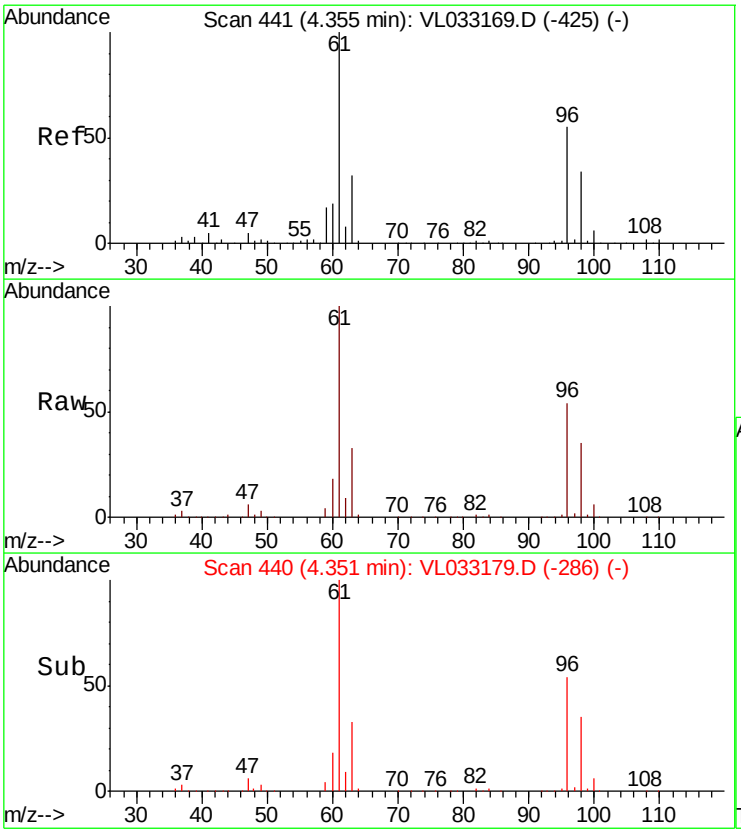
#9
Propene
Concen: 16.493 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033179.D
Acq: 6 Feb 2019 10:35

Instrument :
MSVOA_L
ClientSampleId :
1000

Tgt Ion: 41 Resp: 768495

Ion	Ratio	Lower	Upper
41	100		
42	67.4	55.0	82.6

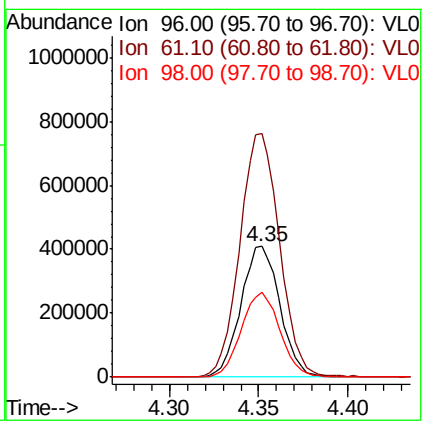


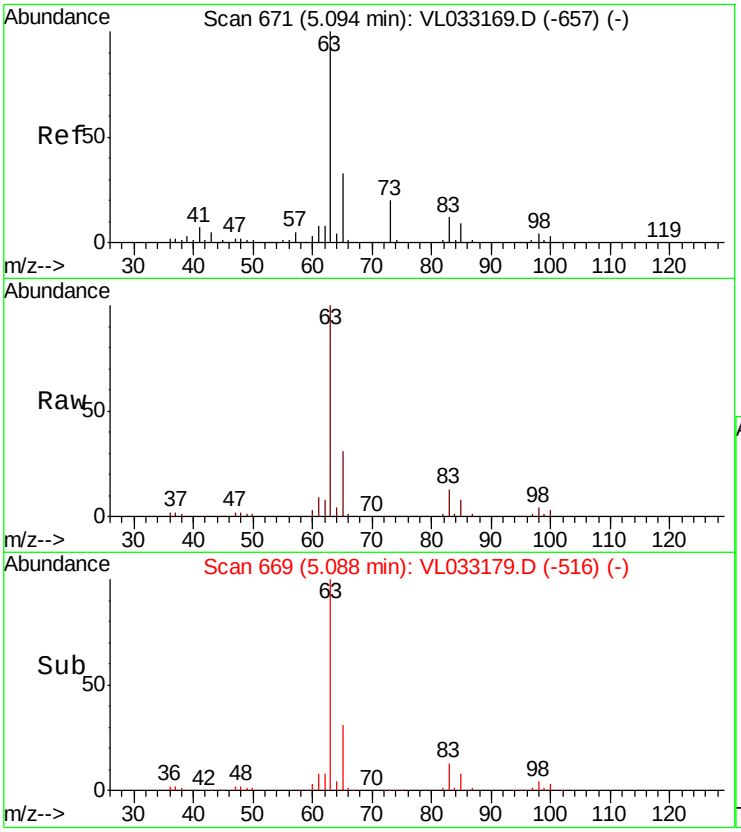


#18
1,1-Dichloroethene
Concen: 16.303 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033179.D
Acq: 6 Feb 2019 10:35

Tgt Ion: 96 Resp: 627108

Ion	Ratio	Lower	Upper
96	100		
61	186.4	145.0	217.6
98	65.3	50.0	75.0



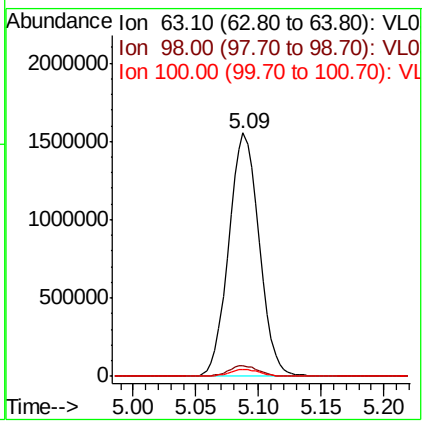


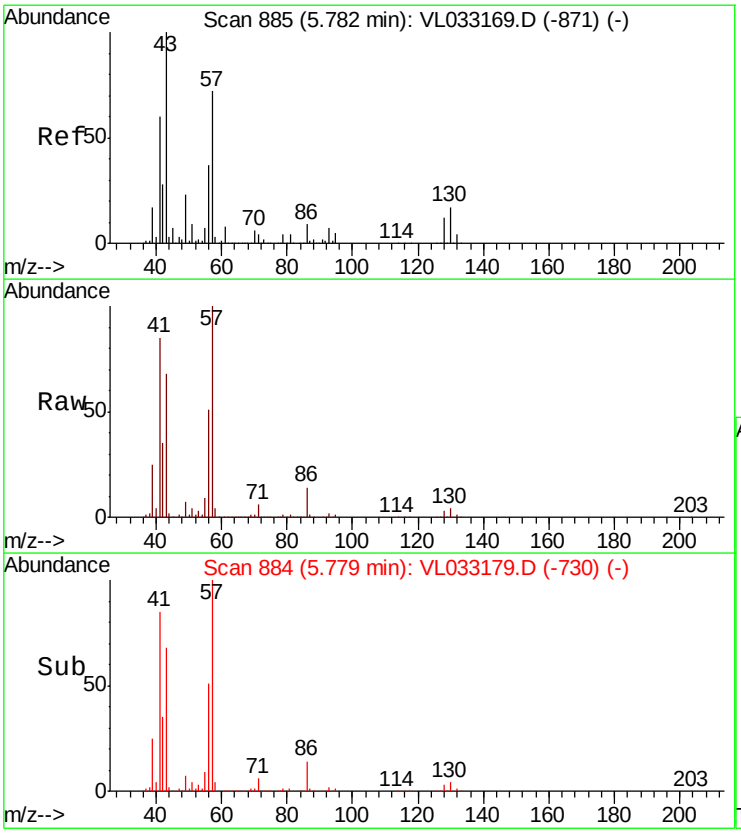
#24
1,1-Dichloroethane
Concen: 23.614 ppbv
RT: 5.09 min Scan# 669
Delta R.T. -0.01 min
Lab File: VL033179.D
Acq: 6 Feb 2019 10:35

Instrument :
MSVOA_L
ClientSampleId :
1000

Tgt Ion: 63 Resp: 2612606

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.5
100	2.6	1.4	4.2

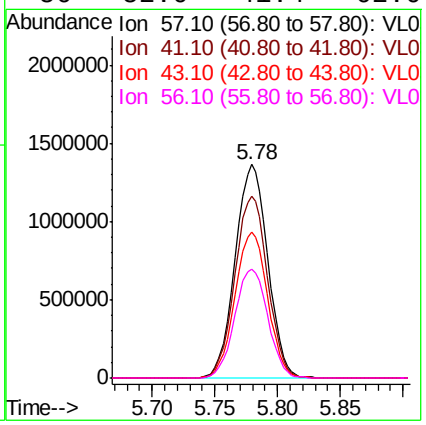


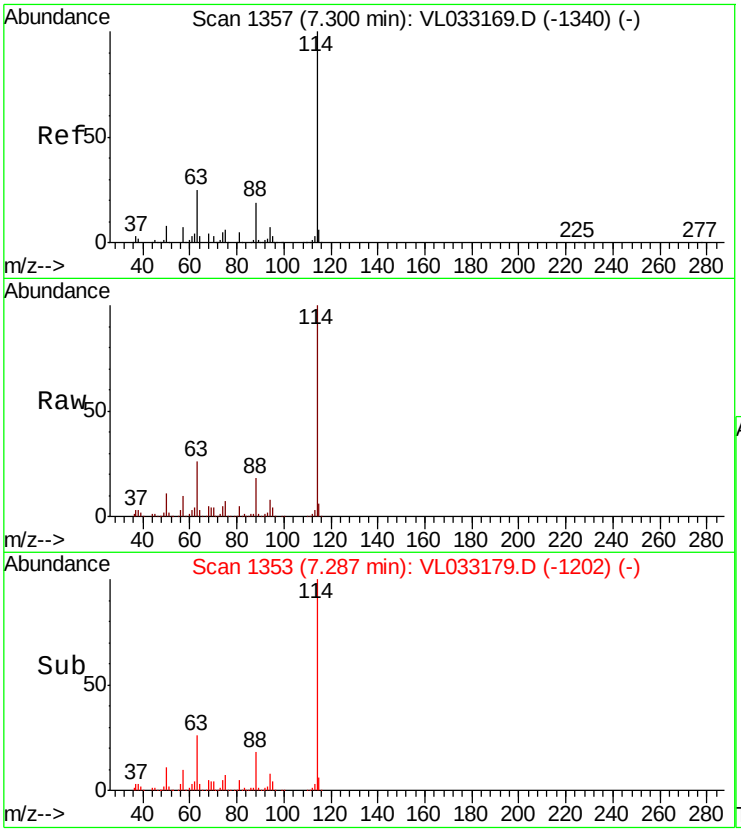


#26
Hexane
Concen: 25.879 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033179.D
Acq: 6 Feb 2019 10:35

Tgt Ion: 57 Resp: 2465254

Ion	Ratio	Lower	Upper
57	100		
41	85.9	69.4	104.2
43	68.5	176.7	265.1#
56	52.0	41.4	62.0



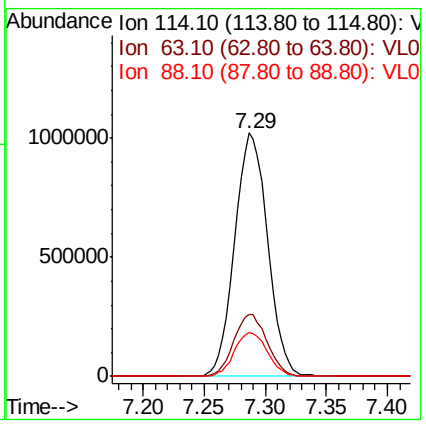


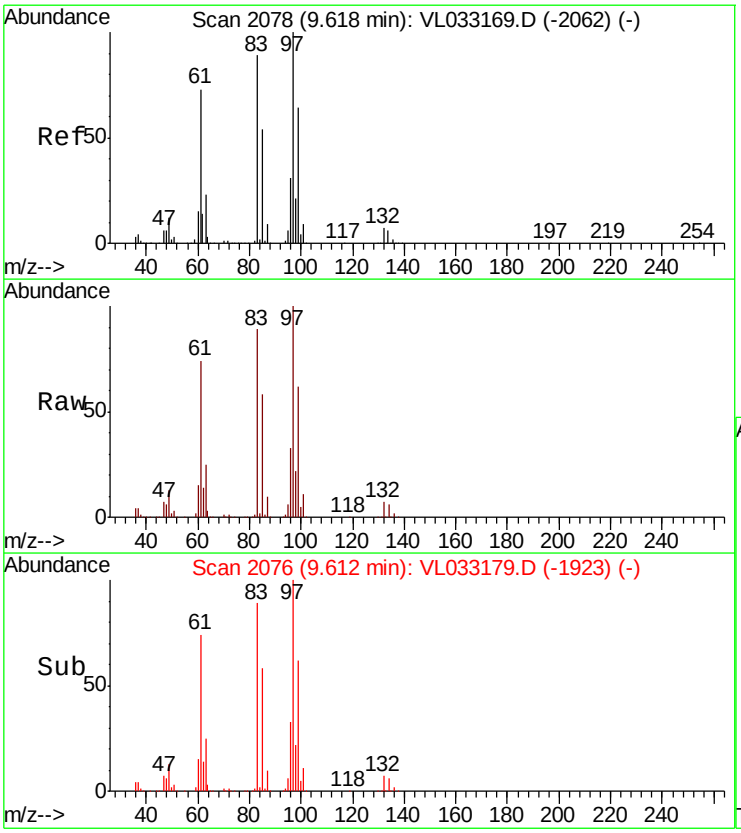
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033179.D
Acq: 6 Feb 2019 10:35

Instrument :
MSVOA_L
ClientSampleId :
1000

Tgt Ion:114 Resp: 1903566

Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.8	31.2
88	18.0	14.6	22.0

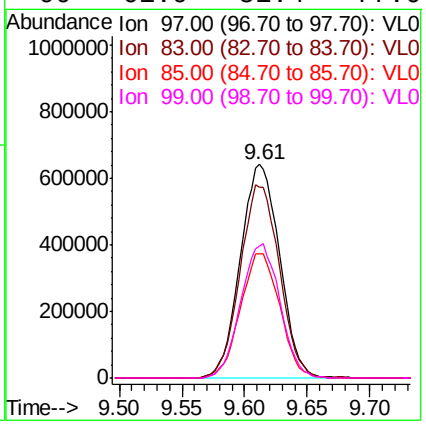


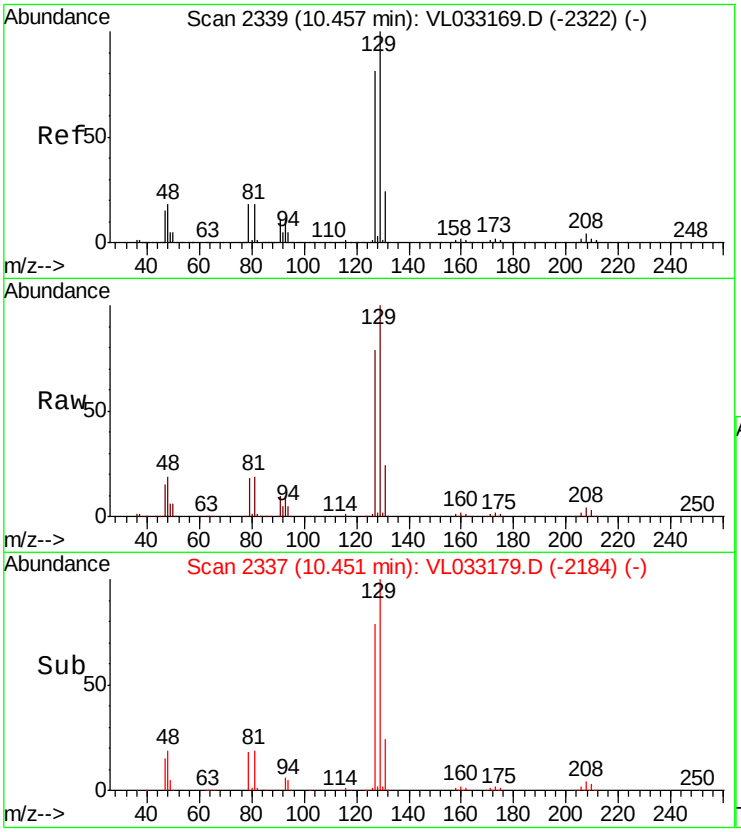


#47
1,1,2-Trichloroethane
Concen: 17.668 ppbv
RT: 9.61 min Scan# 2076
Delta R.T. -0.01 min
Lab File: VL033179.D
Acq: 6 Feb 2019 10:35

Tgt Ion: 97 Resp: 1395952

Ion	Ratio	Lower	Upper
97	100		
83	89.4	71.4	107.2
85	57.9	43.5	65.3
99	61.9	51.4	77.0



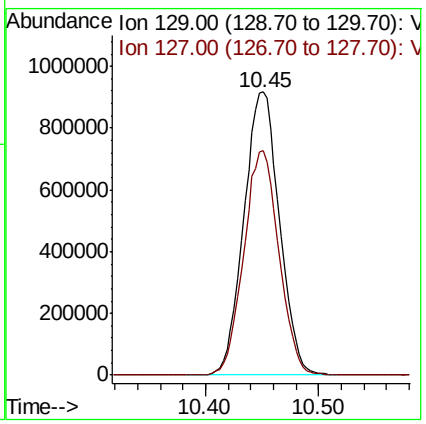


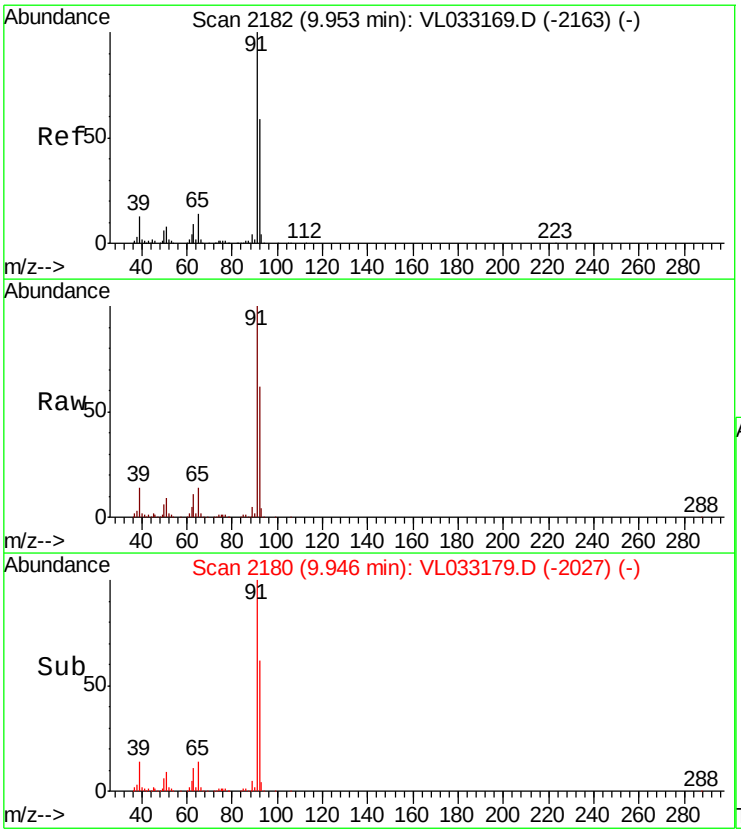
#48
Dibromochloromethane
Concen: 16.130 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. -0.01 min
Lab File: VL033179.D
Acq: 6 Feb 2019 10:35

Instrument :
MSVOA_L
ClientSampleId :
1000

Tgt Ion:129 Resp: 2007845

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.3

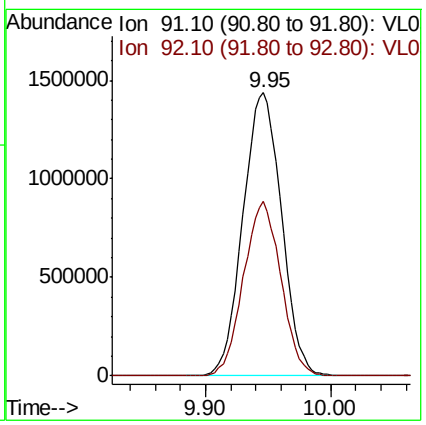


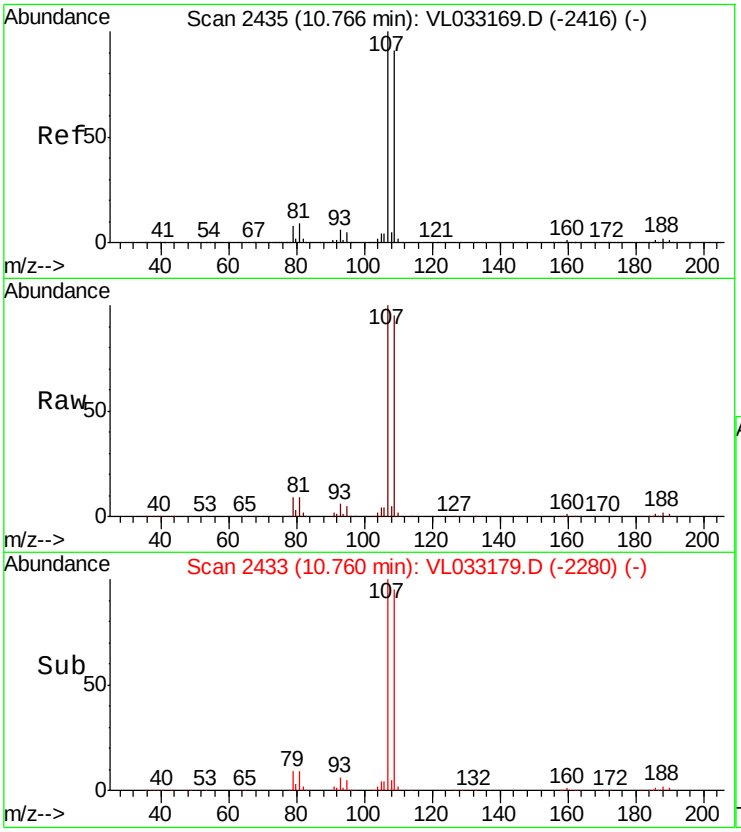


#53
Toluene
Concen: 13.453 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL033179.D
Acq: 6 Feb 2019 10:35

Tgt Ion: 91 Resp: 3073278

Ion	Ratio	Lower	Upper
91	100		
92	59.9	48.0	72.0



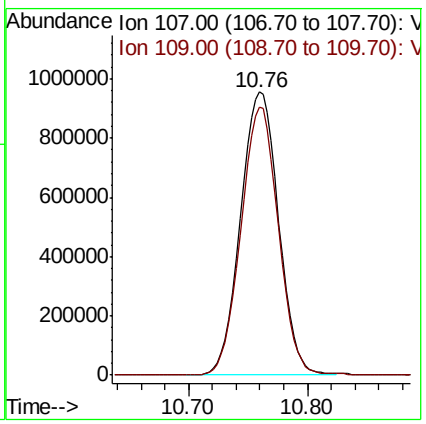


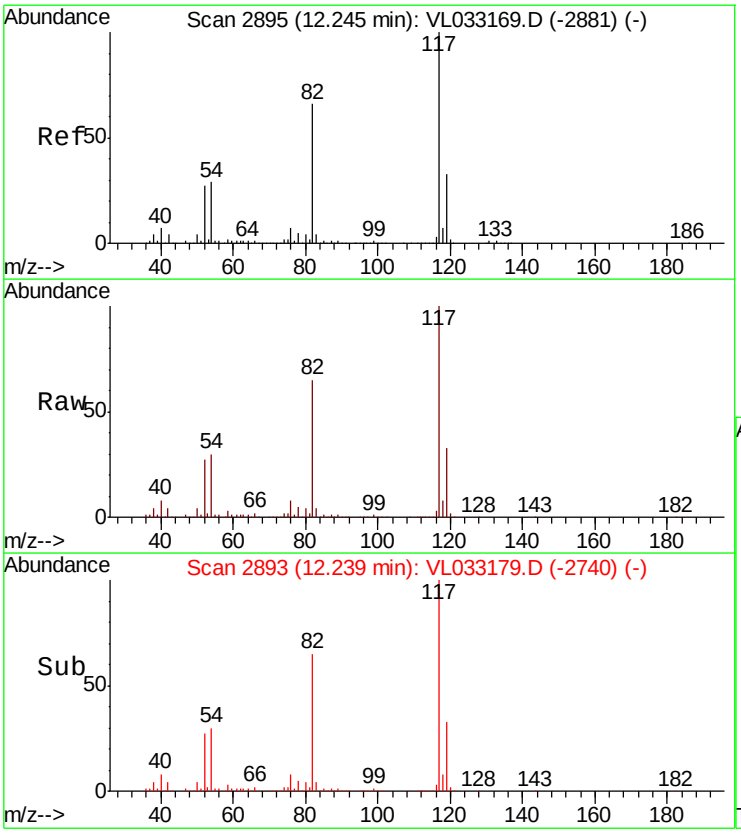
#54
1,2-Dibromoethane
Concen: 17.018 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.01 min
Lab File: VL033179.D
Acq: 6 Feb 2019 10:35

Instrument :
MSVOA_L
ClientSampleId :
1000

Tgt Ion:107 Resp: 2110031

Ion	Ratio	Lower	Upper
107	100		
109	94.6	73.2	109.8

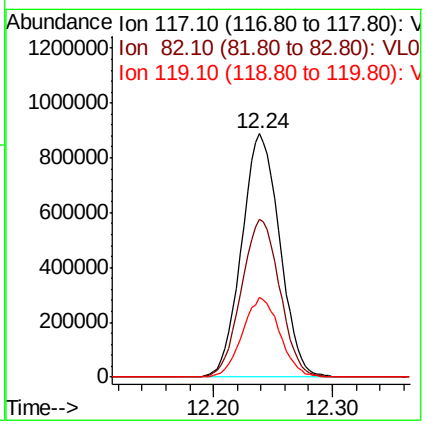


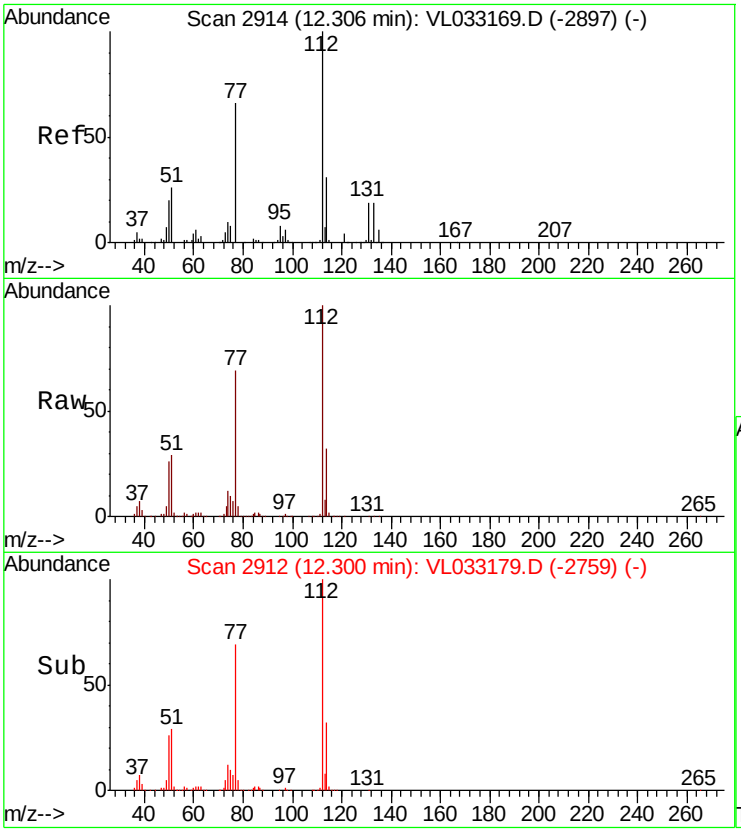


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033179.D
Acq: 6 Feb 2019 10:35

Tgt Ion:117 Resp: 1964430

Ion	Ratio	Lower	Upper
117	100		
82	65.5	53.8	80.8
119	32.3	46.9	70.3#



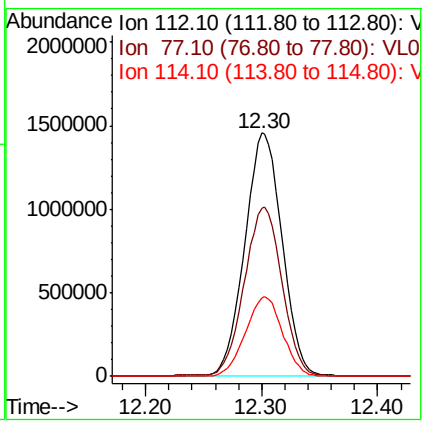


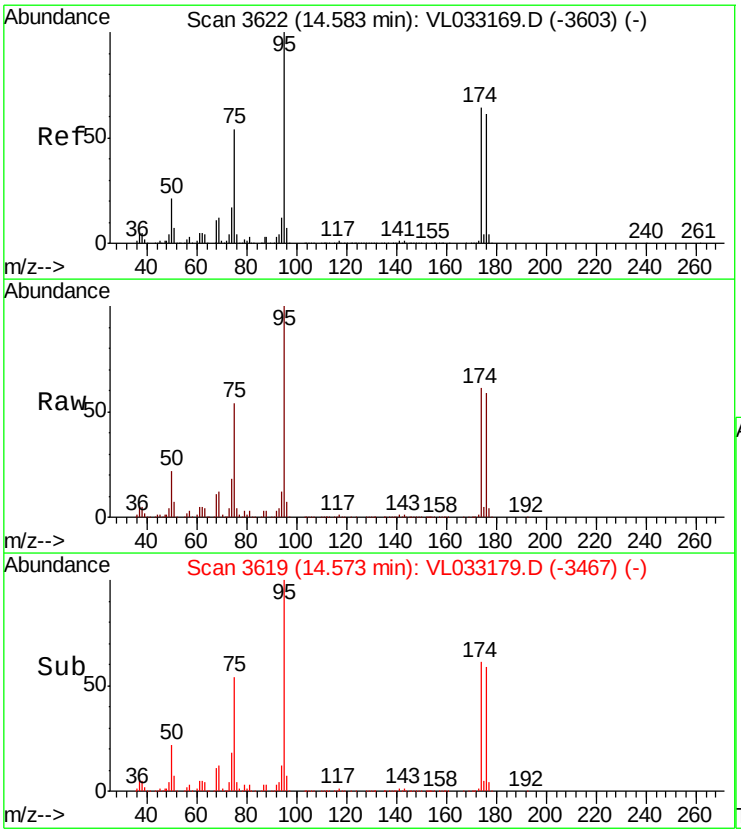
#57
Chlorobenzene
Concen: 18.759 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL033179.D
Acq: 6 Feb 2019 10:35

Instrument :
MSVOA_L
ClientSampleId :
1000

Tgt Ion:112 Resp: 3260756

Ion	Ratio	Lower	Upper
112	100		
77	68.9	54.0	81.0
114	32.4	27.9	34.1





#68
1-Bromo-4-Fluorobenzene
Concen: 10.715 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033179.D
Acq: 6 Feb 2019 10:35

Tgt Ion: 95 Resp: 1640303

Ion	Ratio	Lower	Upper
95	100		
174	63.7	51.1	76.7
175	4.5	3.8	5.6