Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052819\

Quantitation Report (Not Reviewed)

Data File : VL033822.D
Acq On : 29 May 2019 3:49
Operator : SY/AP
Sample : K2960-04 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3009-55

Quant Time: May 29 05:35:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.75	49	962056	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	2495037	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	2172201	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1872885	10.64	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	8271	0.041	ppbv		95
3) Chlorodifluoromethane	3.01	51	8612	0.078	ppbv	#	84
4) Chloromethane	3.16	50	1130	0.018	ppbv		92
11) Trichlorofluoromethane	4.01	101	3772	0.019	ppbv	#	69
13) Ethanol	3.64	45	234	0.015	ppbv	#	38
15) Acetone	3.91	43	54581	0.409	ppbv		94
20) Methylene Chloride	4.40	84	4350	0.085	ppbv		89
26) Hexane	5.77	57	2260	0.022	ppbv	#	1
39) 1,2-Dichloropropane	7.28	63	588992	6.961	ppbv	#	22
53) Toluene	9.94	91	12424	0.051	ppbv	#	78

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052819\

Quantitation Report (Not Reviewed)

Data File : VL033822.D
Acq On : 29 May 2019 3:49
Operator : SY/AP
Sample : K2960-04 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
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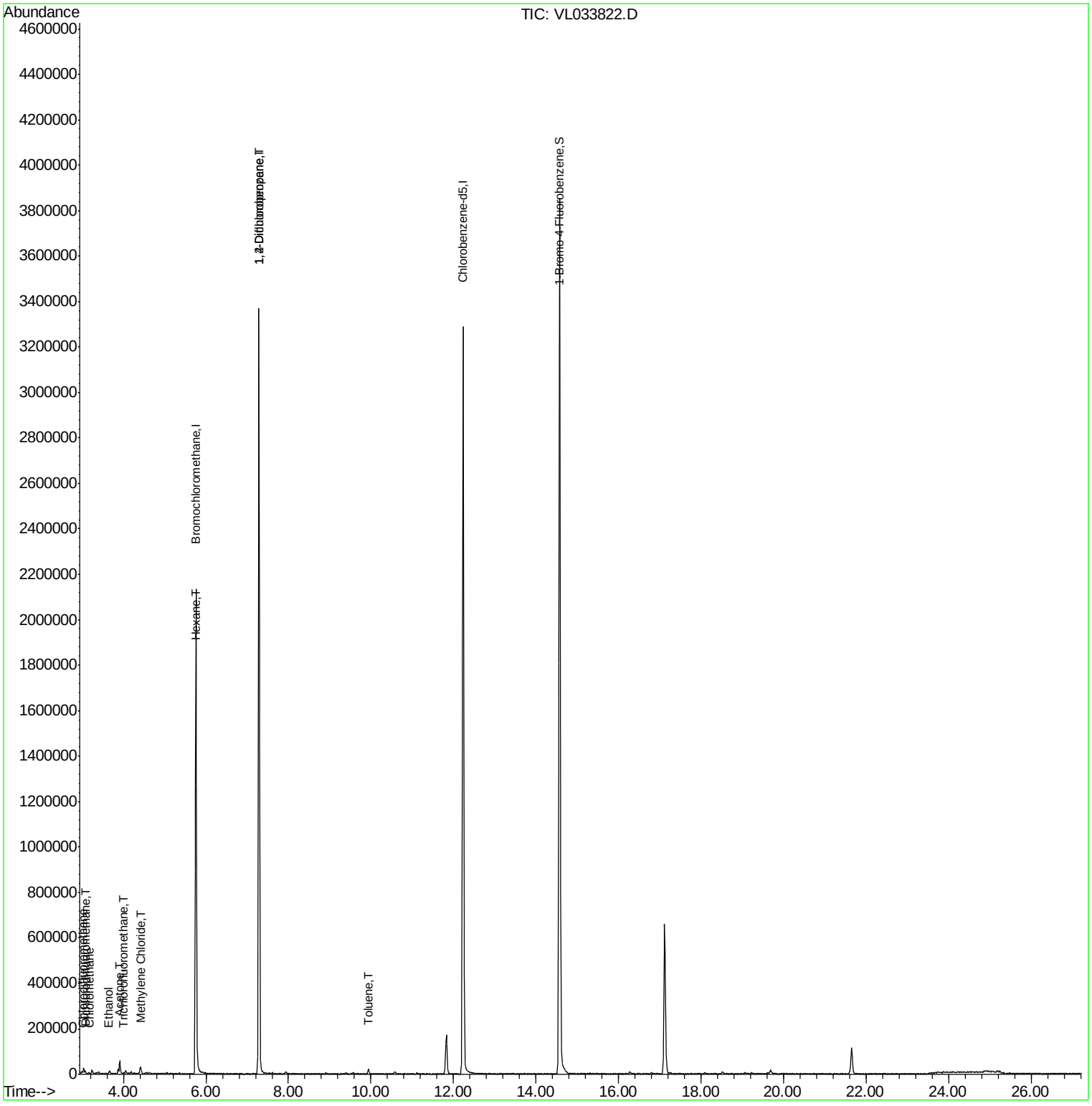
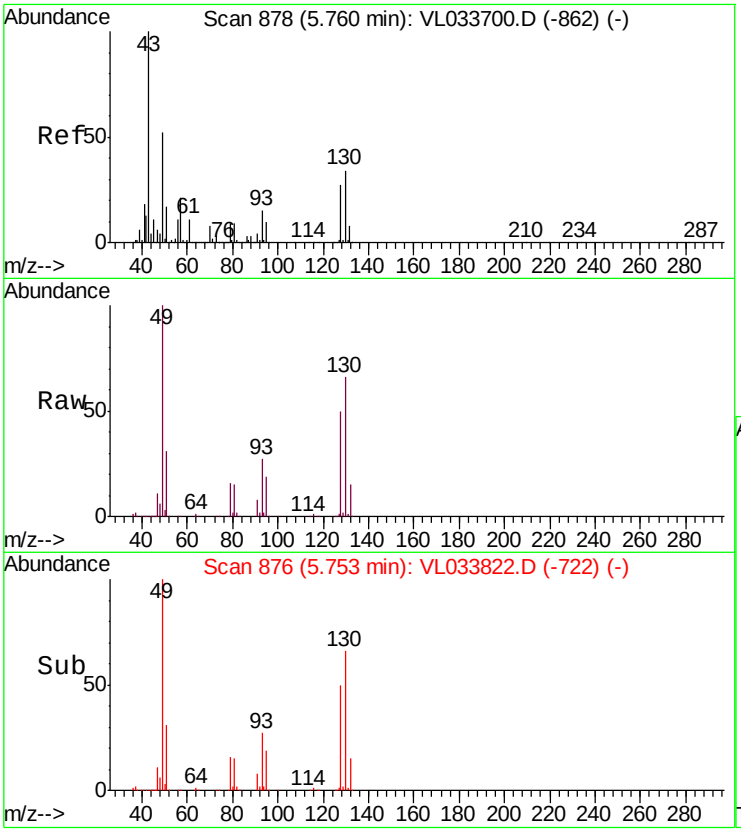
Quant Time: May 29 05:35:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



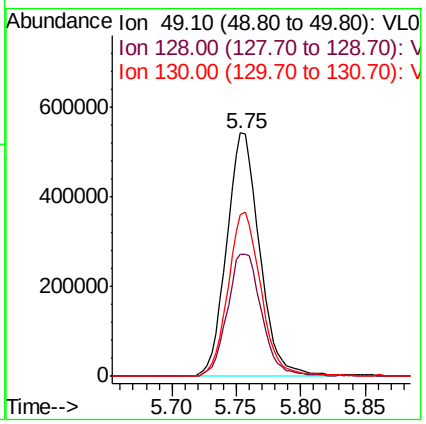


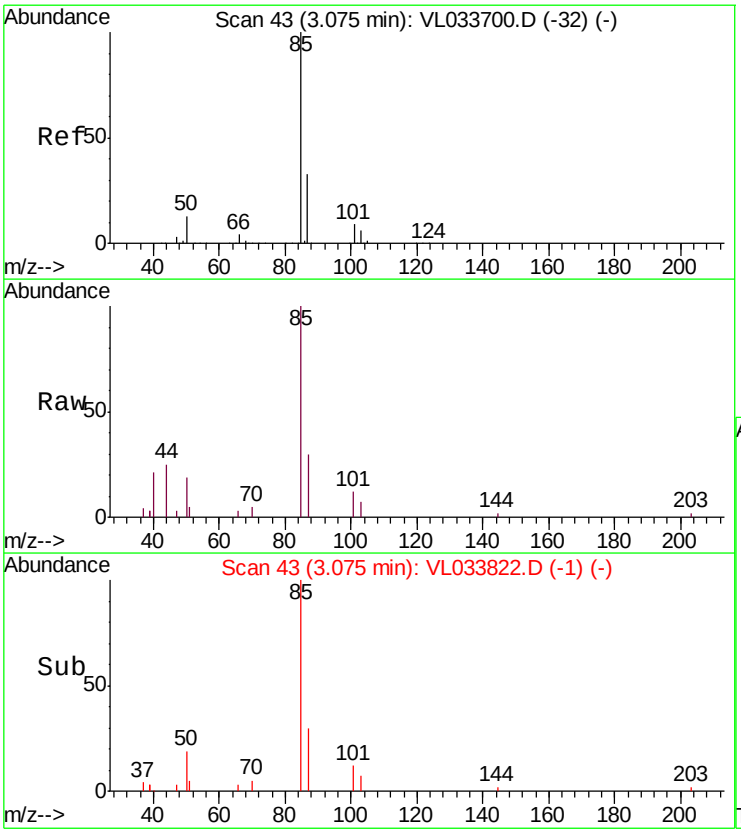
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.01 min
Lab File: VL033822.D
Acq: 29 May 2019 3:49

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55

Tgt Ion: 49 Resp: 962056

Ion	Ratio	Lower	Upper
49	100		
128	52.9	25.2	75.6
130	67.9	32.5	97.5

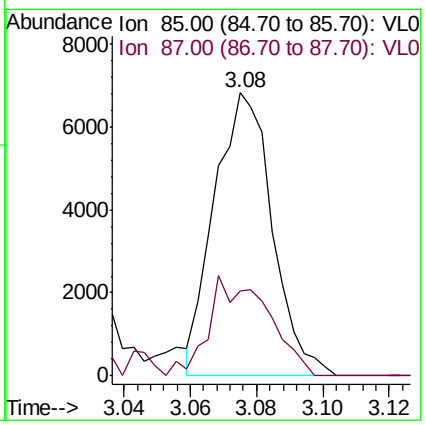


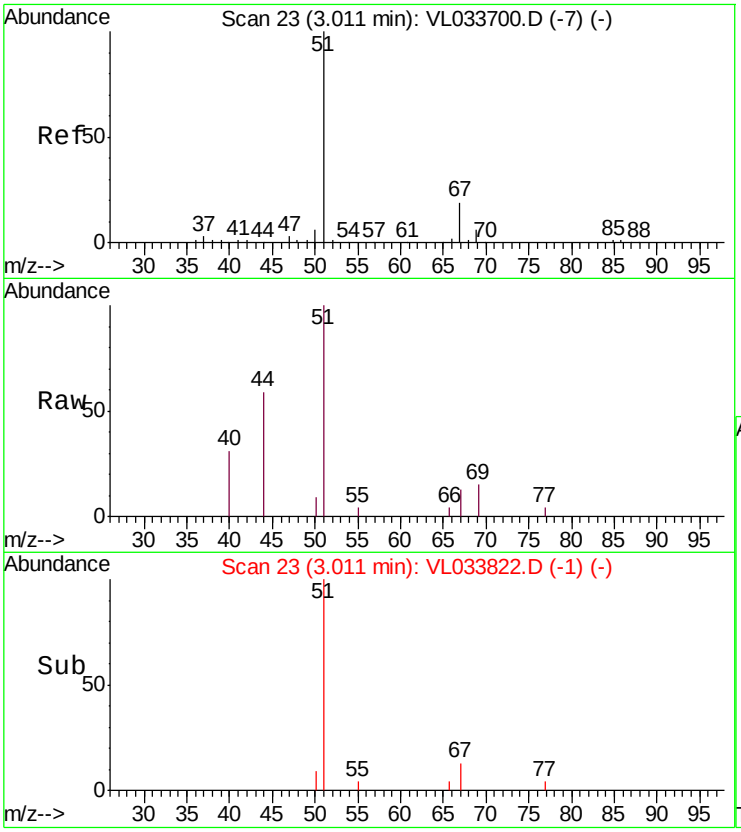


#2
Dichlorodifluoromethane
Concen: 0.041 ppbv
RT: 3.08 min Scan# 43
Delta R.T. 0.00 min
Lab File: VL033822.D
Acq: 29 May 2019 3:49

Tgt Ion: 85 Resp: 8271

Ion	Ratio	Lower	Upper
85	100		
87	30.2	26.3	39.5



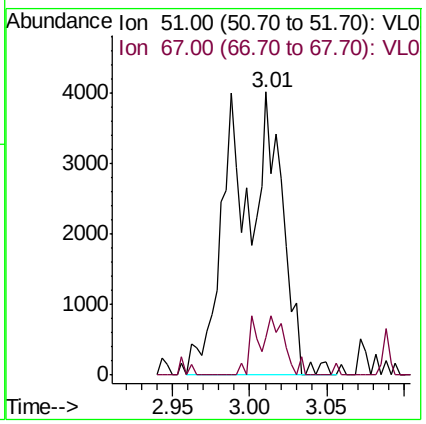


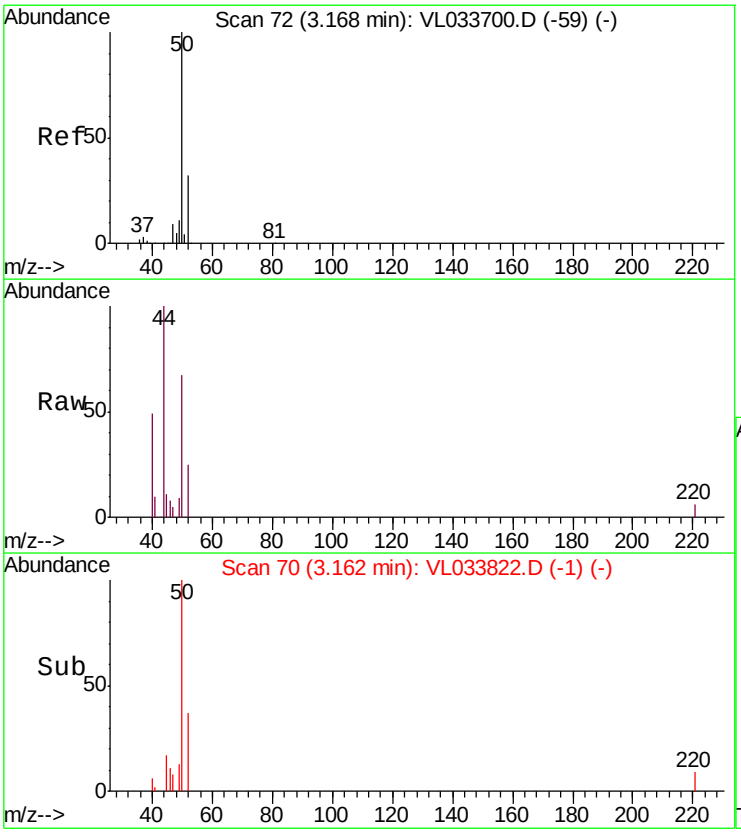
#3
Chlorodifluoromethane
Concen: 0.078 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033822.D
Acq: 29 May 2019 3:49

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55

Tgt Ion: 51 Resp: 8612

Ion	Ratio	Lower	Upper
51	100		
67	12.1	15.6	23.4#

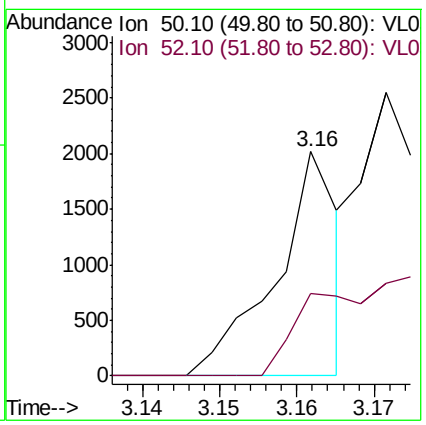


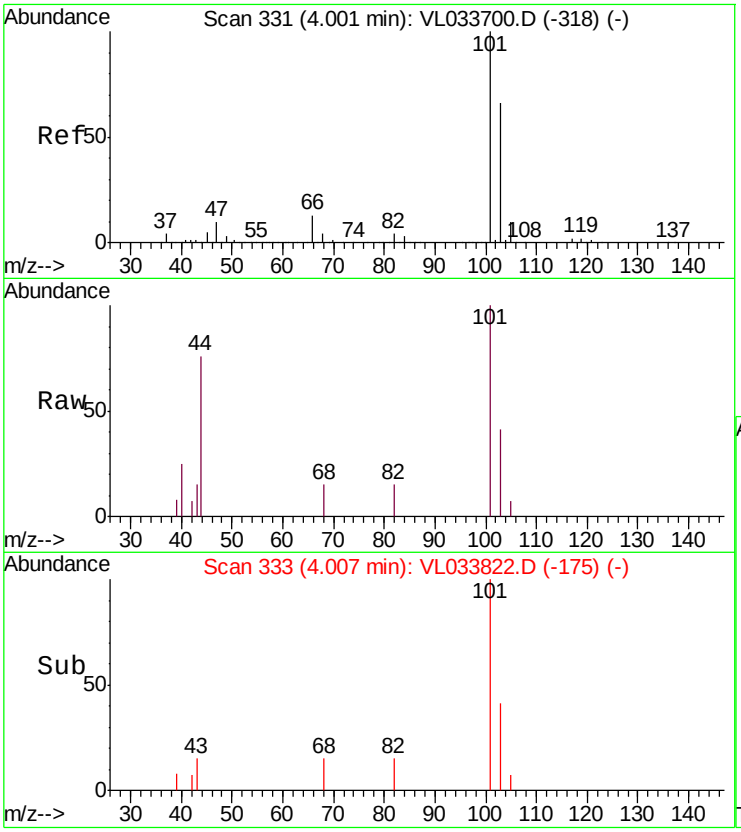


#4
Chloromethane
Concen: 0.018 ppbv
RT: 3.16 min Scan# 70
Delta R.T. -0.01 min
Lab File: VL033822.D
Acq: 29 May 2019 3:49

Tgt Ion: 50 Resp: 1130

Ion	Ratio	Lower	Upper
50	100		
52	36.8	25.7	38.5



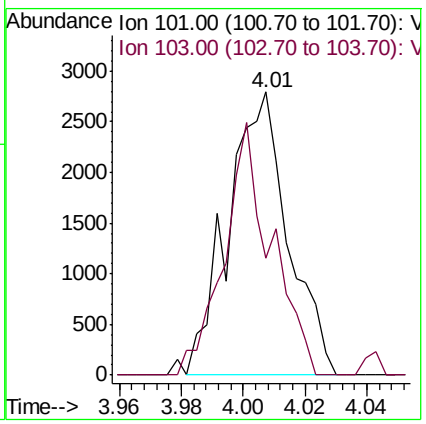


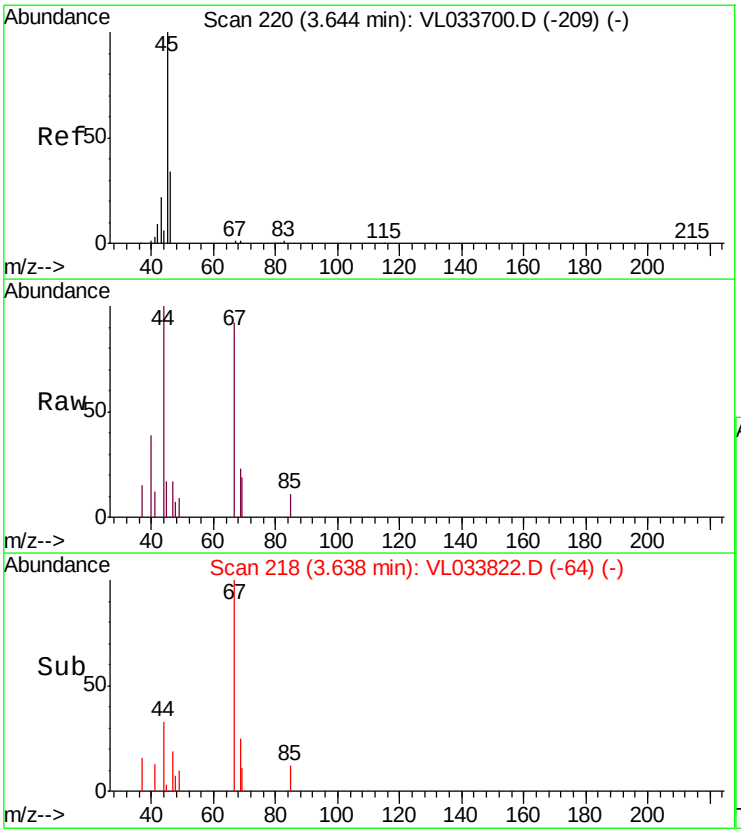
#11
Trichlorofluoromethane
Concen: 0.019 ppbv
RT: 4.01 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL033822.D
Acq: 29 May 2019 3:49

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55

Tgt Ion:101 Resp: 3772

Ion	Ratio	Lower	Upper
101	100		
103	41.2	52.6	78.8#

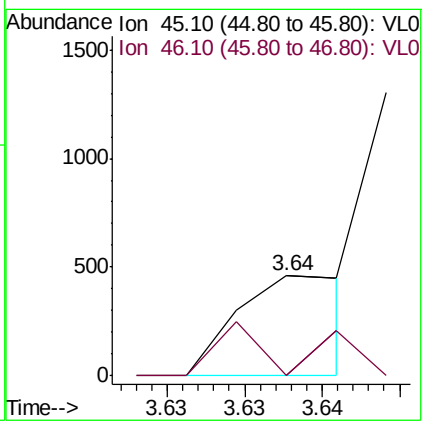


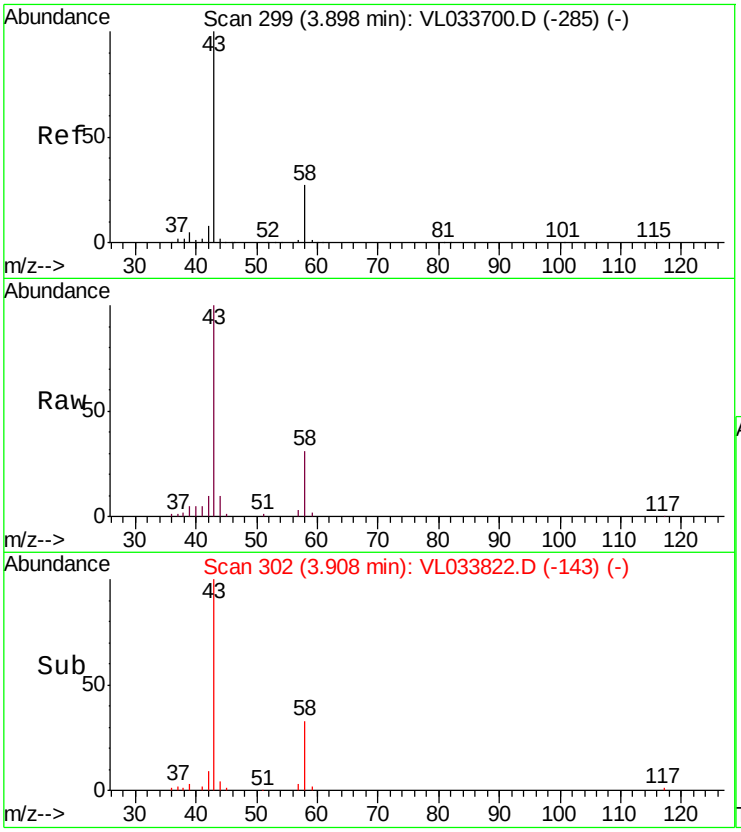


#13
Ethanol
Concen: 0.015 ppbv
RT: 3.64 min Scan# 218
Delta R.T. -0.01 min
Lab File: VL033822.D
Acq: 29 May 2019 3:49

Tgt Ion: 45 Resp: 234

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.8	59.0#



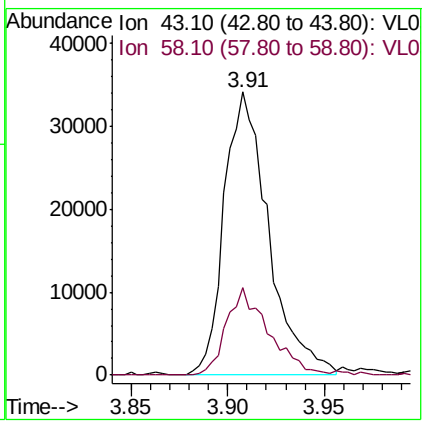


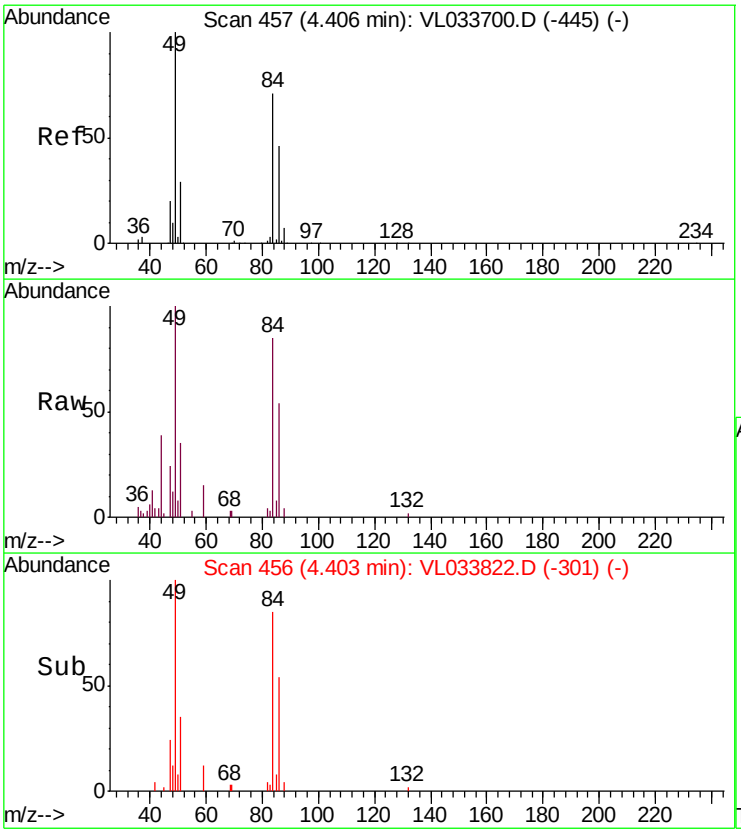
#15
Acetone
Concen: 0.409 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.01 min
Lab File: VL033822.D
Acq: 29 May 2019 3:49

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3009-55

Tgt Ion: 43 Resp: 54581

Ion	Ratio	Lower	Upper
43	100		
58	29.7	21.3	31.9

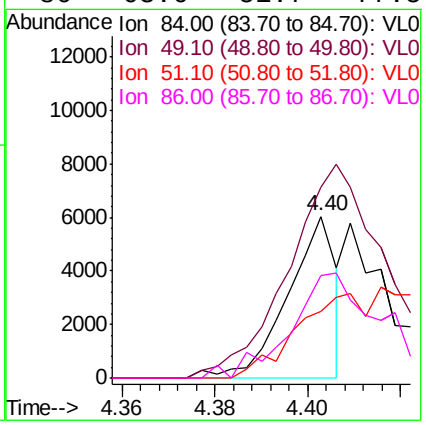


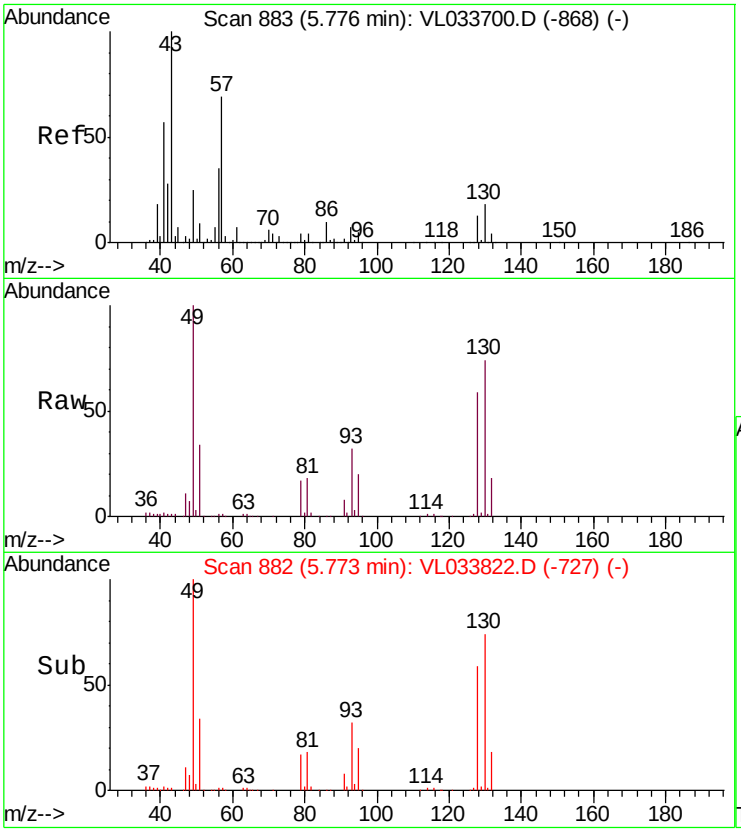


#20
Methylene Chloride
Concen: 0.085 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033822.D
Acq: 29 May 2019 3:49

Tgt Ion: 84 Resp: 4350

Ion	Ratio	Lower	Upper
84	100		
49	117.9	112.8	169.2
51	41.2	33.4	50.0
86	63.6	51.7	77.5



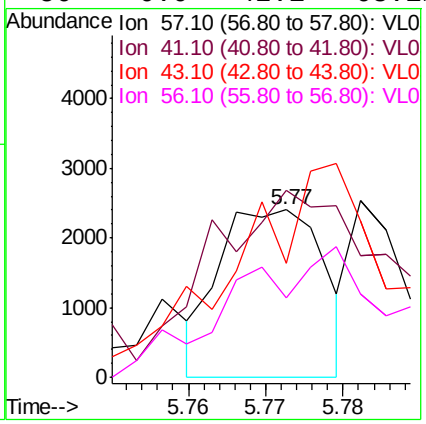


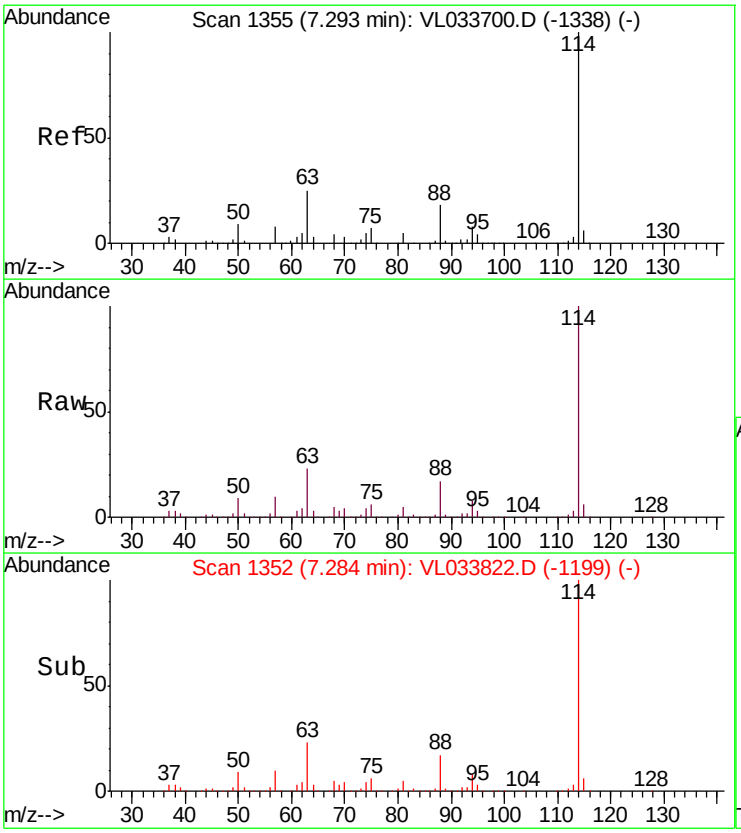
#26
Hexane
Concen: 0.022 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033822.D
Acq: 29 May 2019 3:49

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55

Tgt Ion: 57 Resp: 2260

Ion	Ratio	Lower	Upper
57	100		
41	200.6	69.8	104.6#
43	0.0	181.8	272.6#
56	0.0	42.1	63.1#

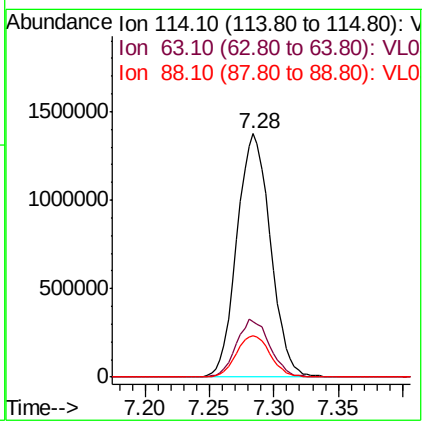


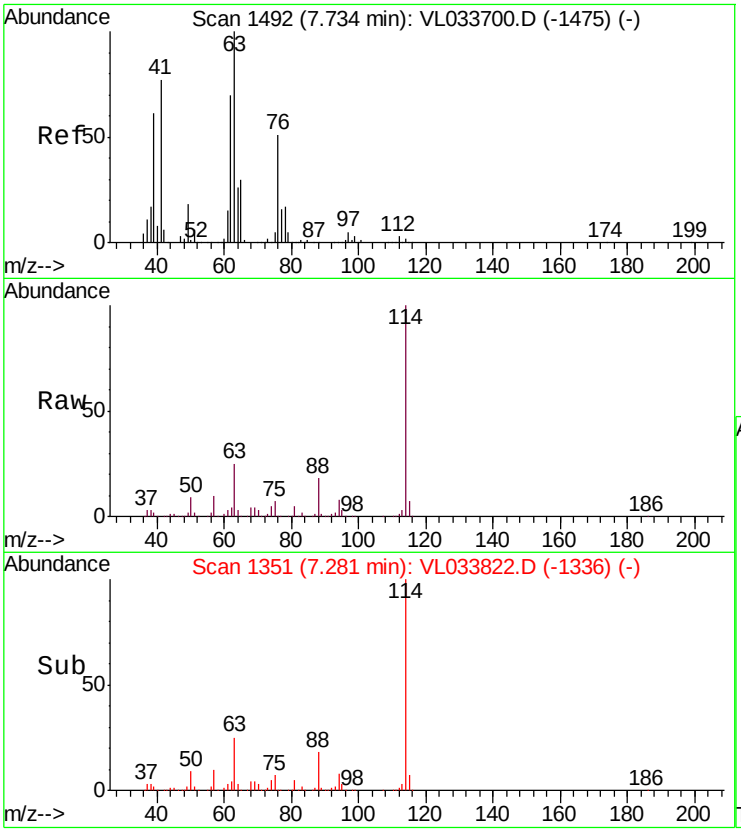


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033822.D
Acq: 29 May 2019 3:49

Tgt Ion:114 Resp: 2495037

Ion	Ratio	Lower	Upper
114	100		
63	23.7	20.9	31.3
88	17.2	14.3	21.5



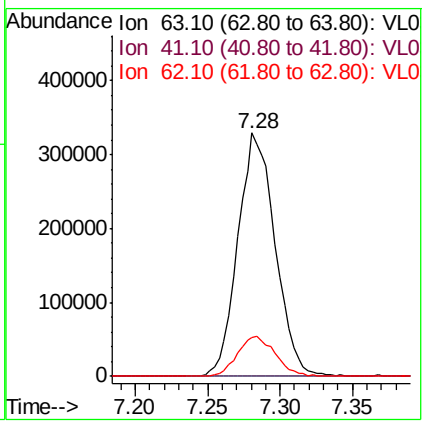


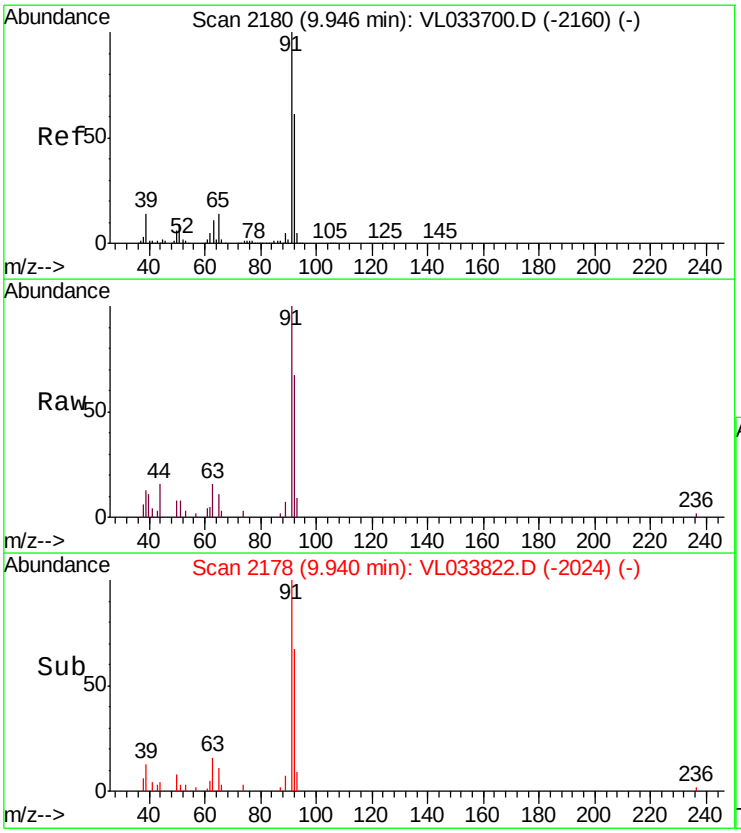
#39
1,2-Dichloropropane
Concen: 6.961 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.45 min
Lab File: VL033822.D
Acq: 29 May 2019 3:49

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3009-55

Tgt Ion: 63 Resp: 588992

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.5	92.3#
62	15.9	56.2	84.4#

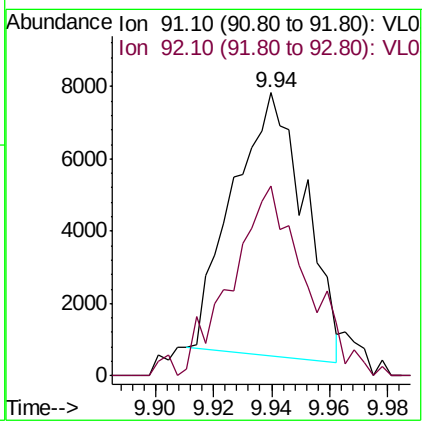


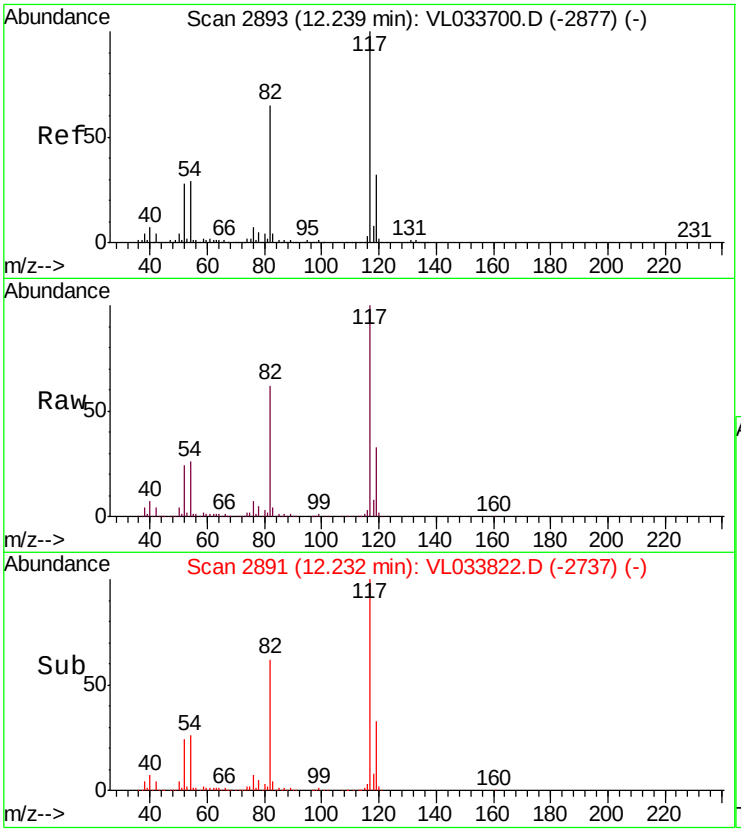


#53
Toluene
Concen: 0.051 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033822.D
Acq: 29 May 2019 3:49

Tgt Ion: 91 Resp: 12424

Ion	Ratio	Lower	Upper
91	100		
92	76.4	47.6	71.4#



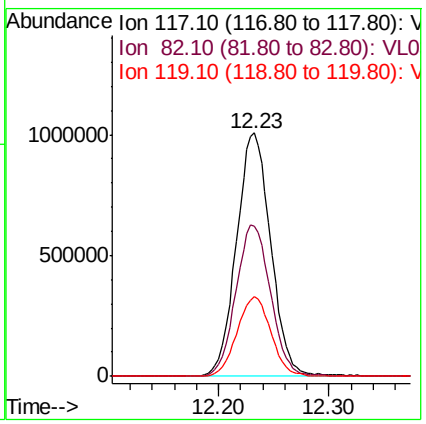


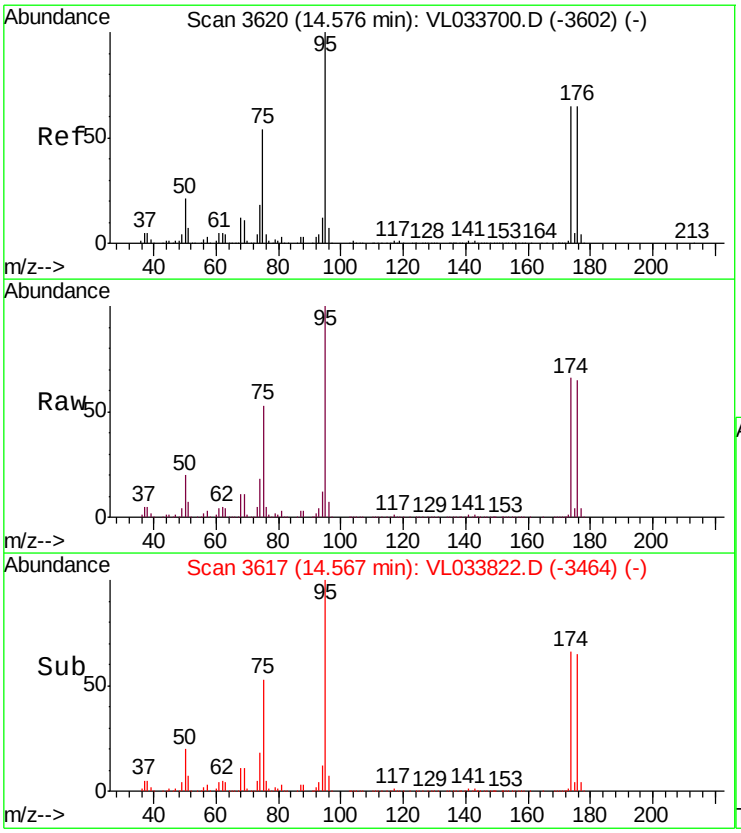
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033822.D
Acq: 29 May 2019 3:49

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3009-55

Tgt Ion:117 Resp: 2172201

Ion	Ratio	Lower	Upper
117	100		
82	63.4	49.4	74.0
119	32.6	24.9	37.3





#68
1-Bromo-4-Fluorobenzene
Concen: 10.636 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033822.D
Acq: 29 May 2019 3:49

Tgt Ion: 95 Resp: 1872885

Ion	Ratio	Lower	Upper
95	100		
174	69.4	53.9	80.9
175	5.1	3.8	5.8