Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\

Quantitation Report (Not Reviewed)

Data File : VL033760.D
Acq On : 23 May 2019 1:18
Operator : SY/AP
Sample : K2929-08DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BPS1-DUP-01DL

Quant Time: May 23 04:27:20 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	923339	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	2120466	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.23	117	2129555	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1715028	9.93	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	4056	0.021	ppbv		90
3) Chlorodifluoromethane	3.01	51	3404	0.032	ppbv		95
9) Propene	3.03	41	196024	4.357	ppbv		92
11) Trichlorofluoromethane	4.00	101	5076	0.027	ppbv	#	69
13) Ethanol	3.65	45	22060	1.517	ppbv	#	49
15) Acetone	3.90	43	443012	3.458	ppbv		95
16) 1,3-Butadiene	3.34	39	101571	1.991	ppbv	#	25
20) Methylene Chloride	4.40	84	5650	0.115	ppbv	#	67
23) Vinyl Acetate	5.14	43	1992	0.012	ppbv	#	18
25) Ethyl Acetate	5.77	43	63022	0.280	ppbv	#	91
26) Hexane	5.77	57	9549	0.099	ppbv	#	1
27) Carbon Disulfide	4.62	76	2758	0.021	ppbv	#	58
31) cis-1,2-Dichloroethene	5.76	61	2228	0.023	ppbv	#	32
34) 2-Butanone	5.34	43	64840	0.493	ppbv		100
36) Benzene	6.99	78	7586	0.039	ppbv		99
39) 1,2-Dichloropropane	7.28	63	555016	7.718	ppbv	#	23
53) Toluene	9.94	91	58079	0.279	ppbv		95
74) 1,2,4-Trimethylbenzene	16.92	105	5722	0.019	ppbv	#	75

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

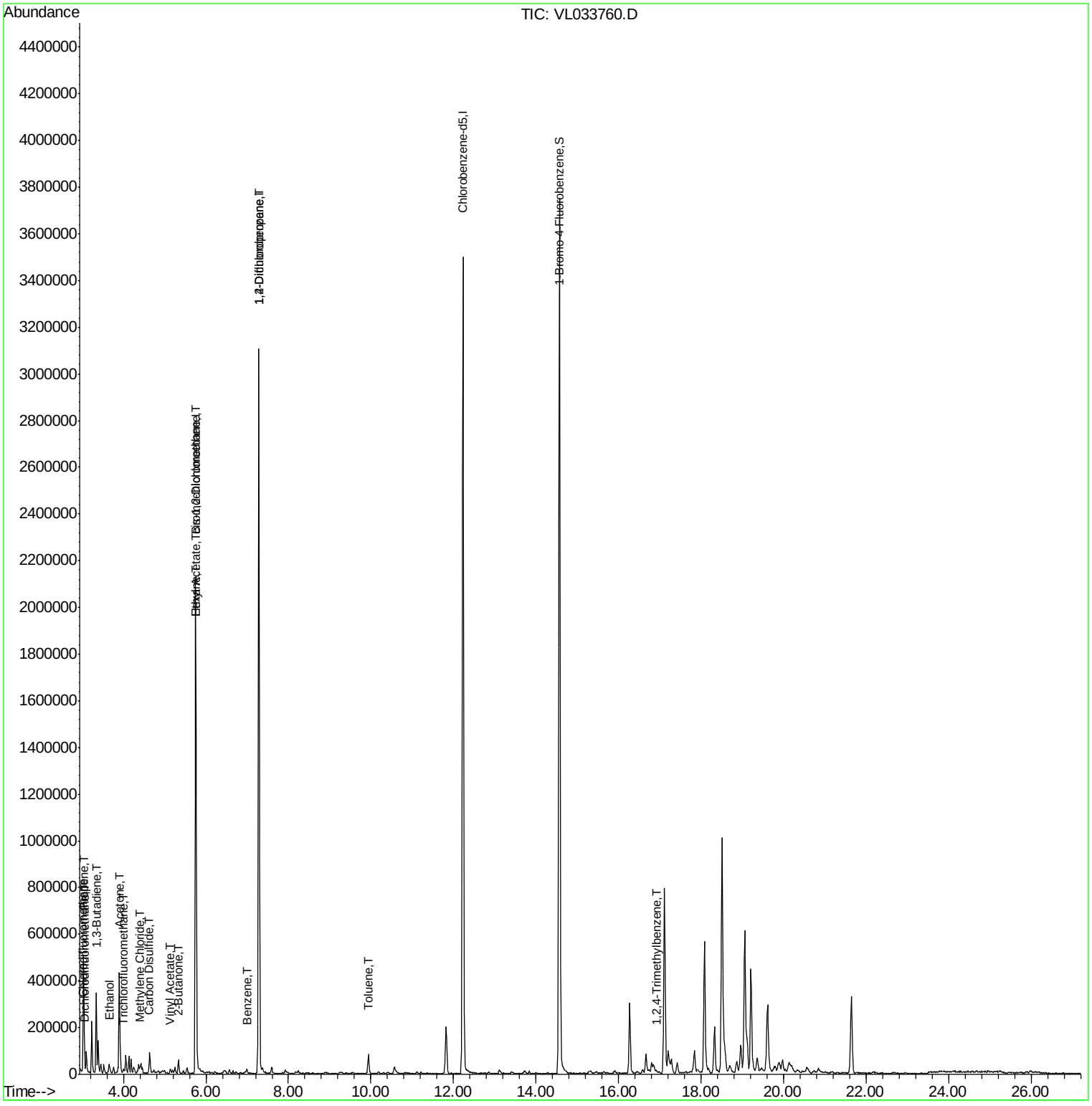
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\

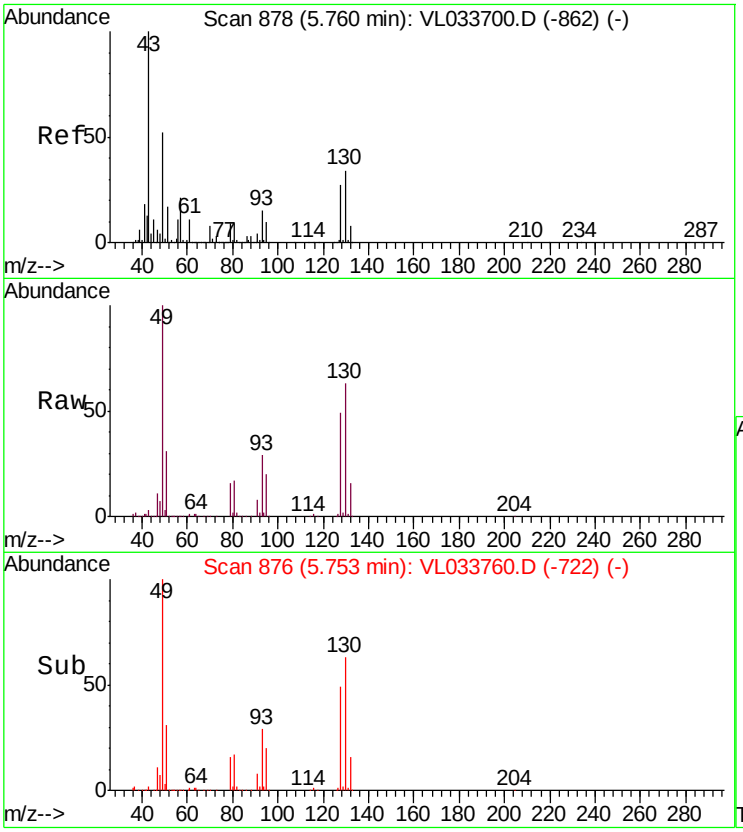
Quantitation Report (Not Reviewed)

Data File : VL033760.D
Acq On : 23 May 2019 1:18
Operator : SY/AP
Sample : K2929-08DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BPS1-DUP-01DL

Quant Time: May 23 04:27:20 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



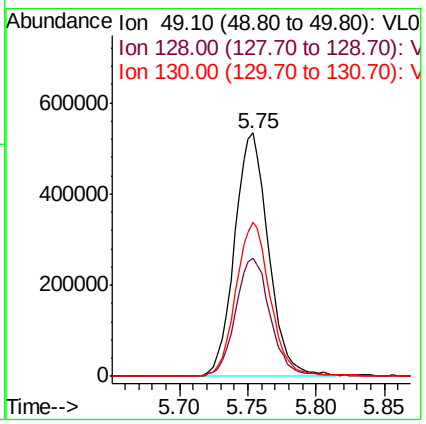


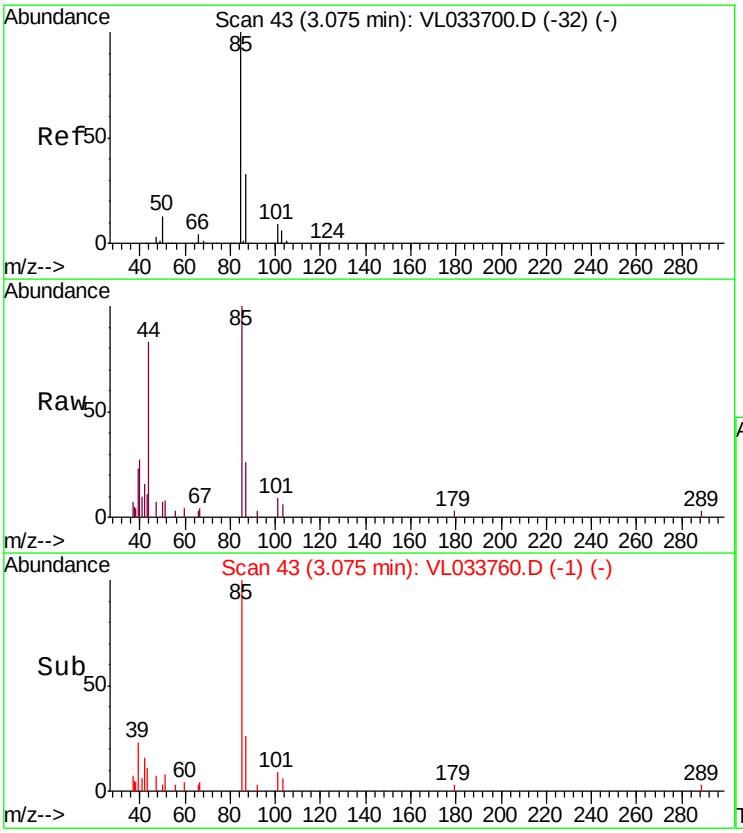
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.01 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP-01DL

Tgt Ion: 49 Resp: 923339

Ion	Ratio	Lower	Upper
49	100		
128	49.6	25.2	75.6
130	64.1	32.5	97.5

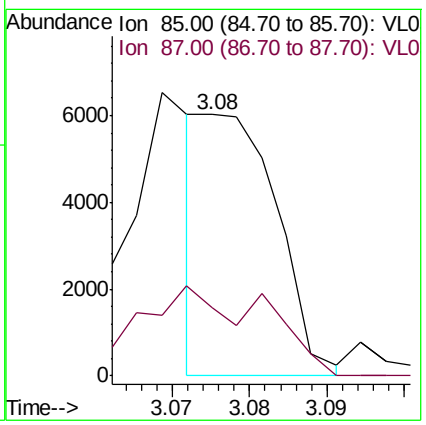


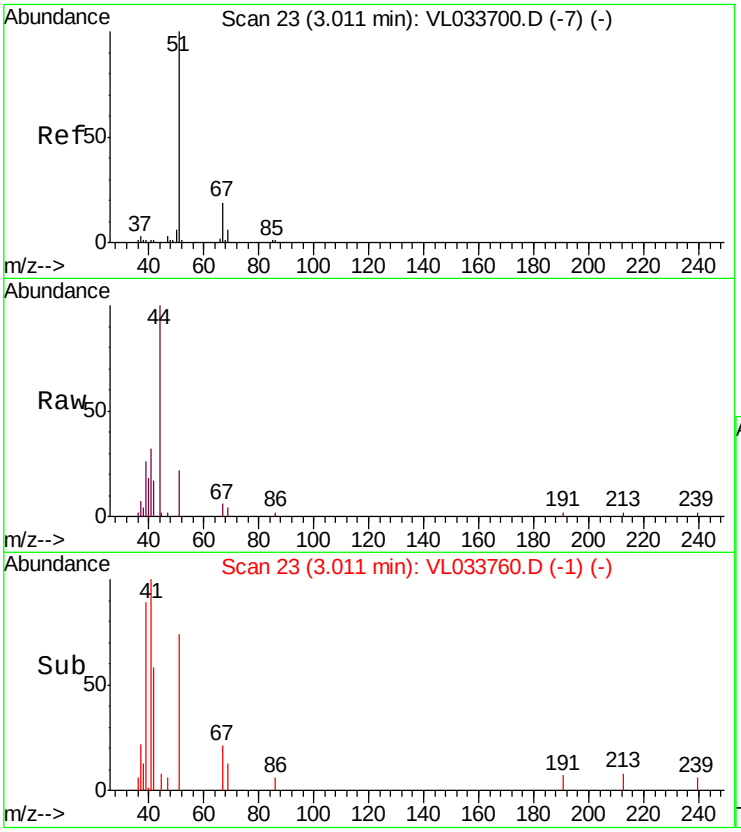


#2
Dichlorodifluoromethane
Concen: 0.021 ppbv
RT: 3.08 min Scan# 43
Delta R.T. 0.00 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Tgt Ion: 85 Resp: 4056

Ion	Ratio	Lower	Upper
85	100		
87	27.0	26.3	39.5



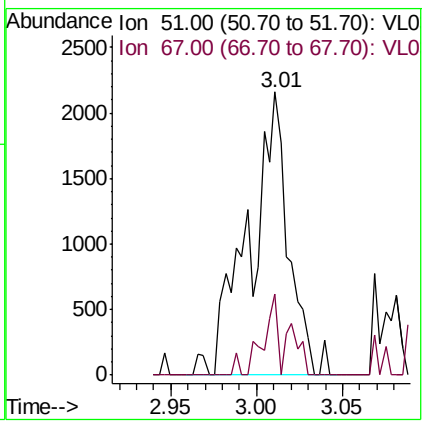


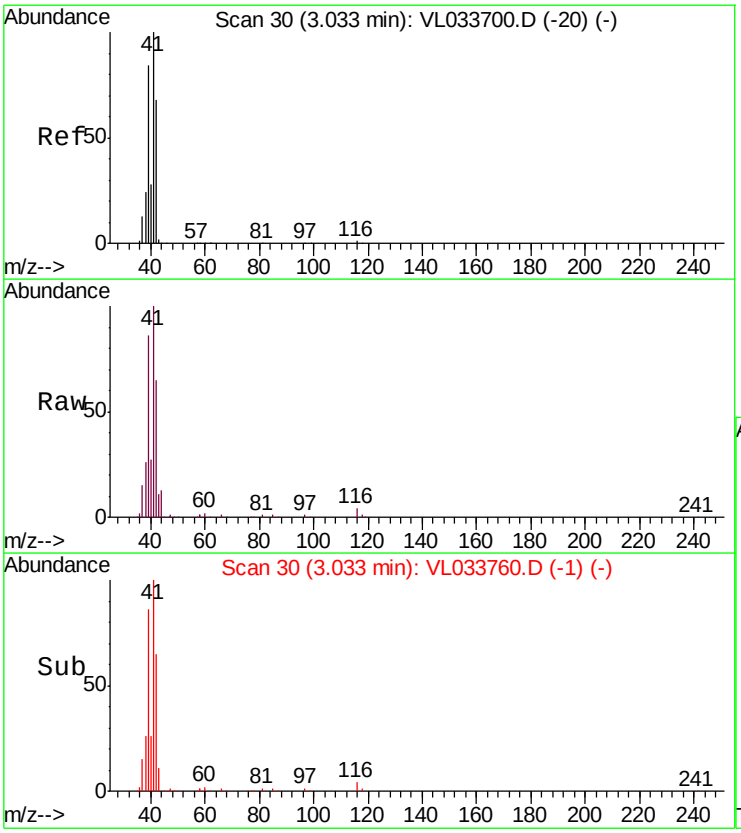
#3
Chlorodifluoromethane
Concen: 0.032 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP-01DL

Tgt Ion: 51 Resp: 3404

Ion	Ratio	Lower	Upper
51	100		
67	17.3	15.6	23.4

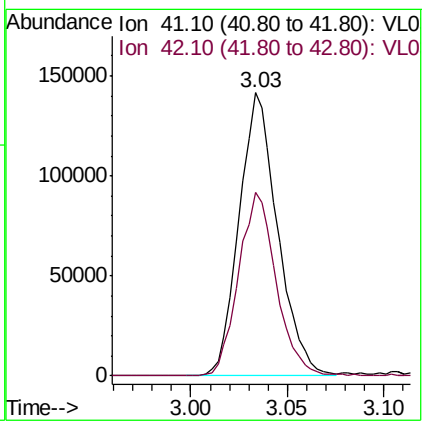


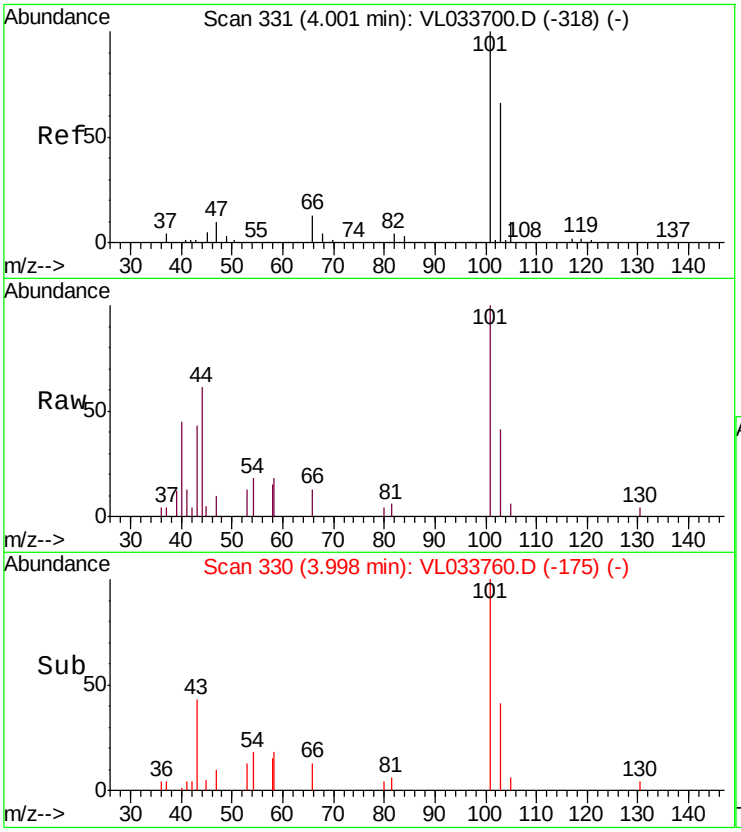


#9
Propene
Concen: 4.357 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Tgt Ion: 41 Resp: 196024

Ion	Ratio	Lower	Upper
41	100		
42	63.3	56.1	84.1



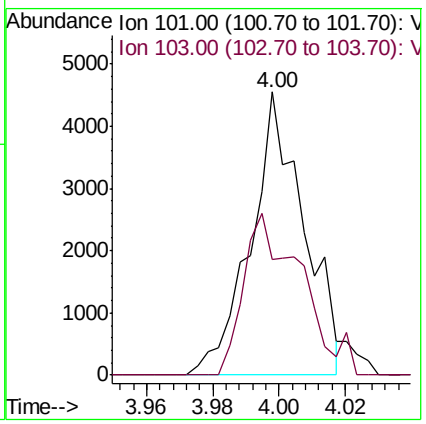


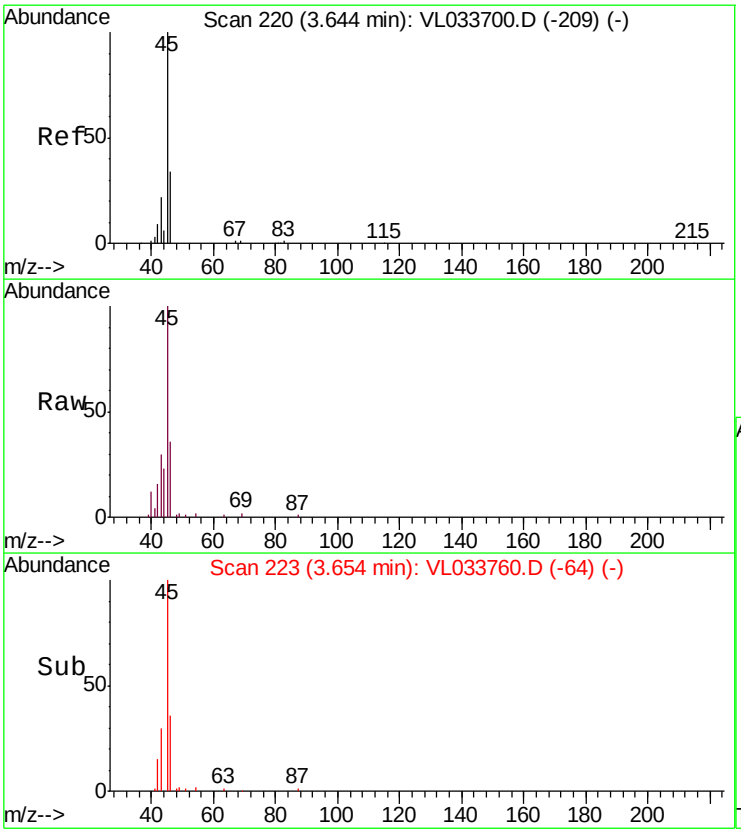
#11
Trichlorofluoromethane
Concen: 0.027 ppbv
RT: 4.00 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP-01DL

Tgt Ion:101 Resp: 5076

Ion	Ratio	Lower	Upper
101	100		
103	41.0	52.6	78.8#

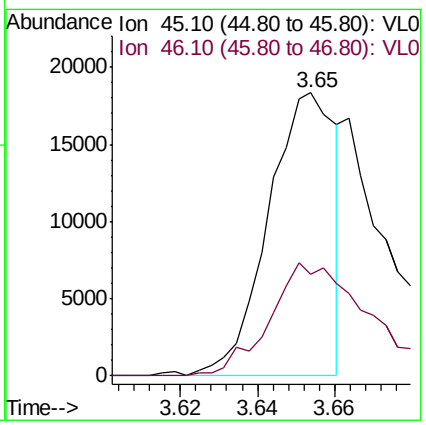


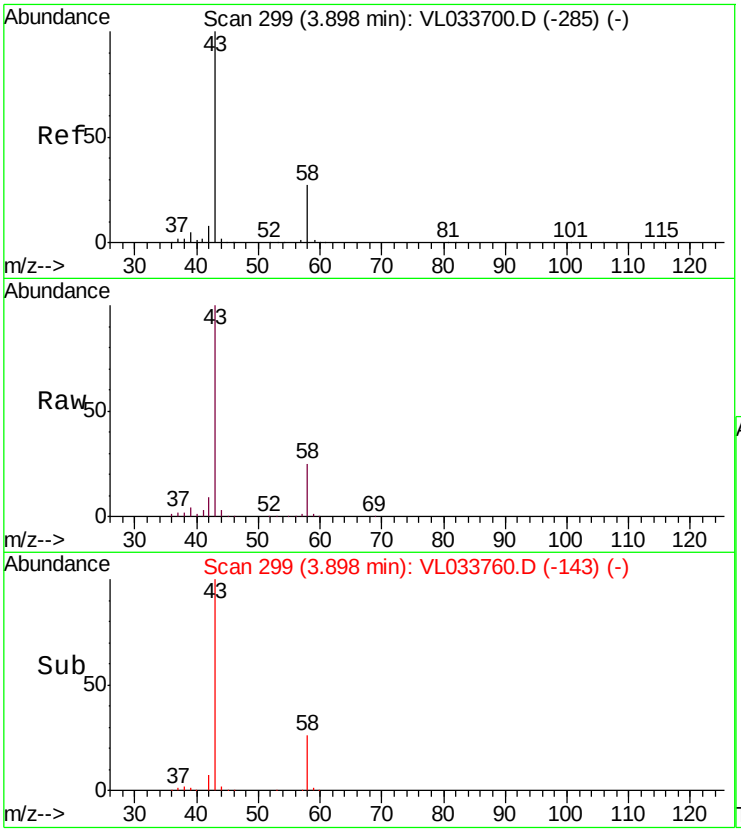


#13
Ethanol
Concen: 1.517 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Tgt Ion: 45 Resp: 22060

Ion	Ratio	Lower	Upper
45	100		
46	67.1	14.8	59.0#



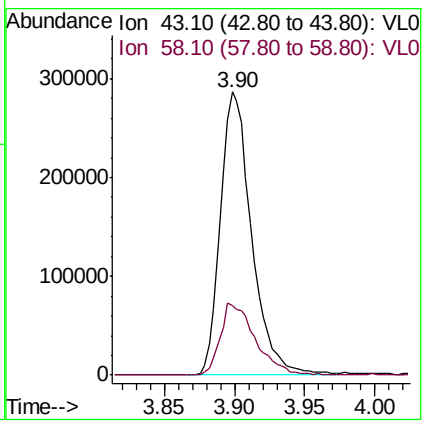


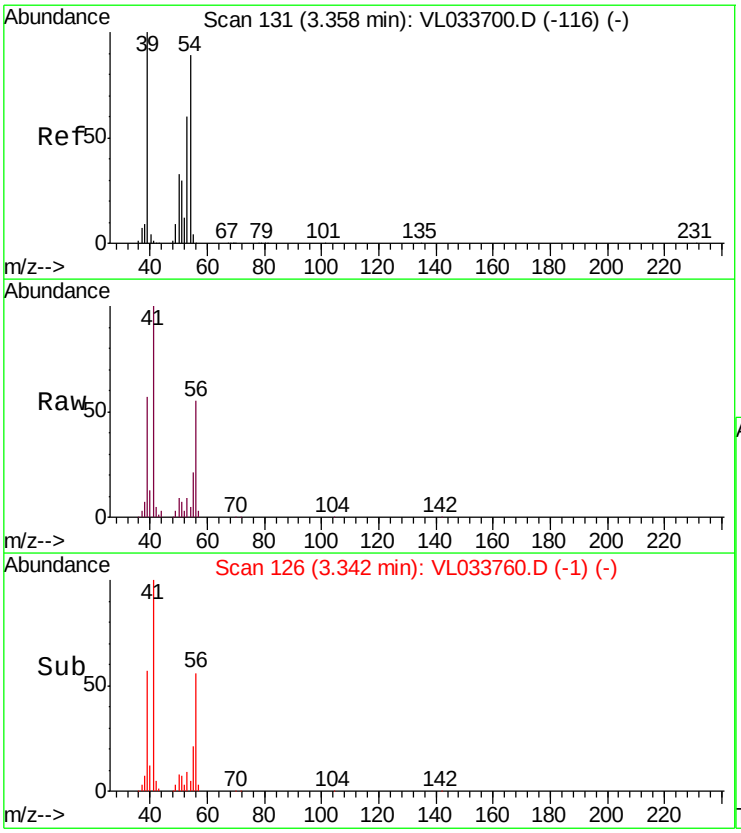
#15
Acetone
Concen: 3.458 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP-01DL

Tgt Ion: 43 Resp: 443012

Ion	Ratio	Lower	Upper
43	100		
58	29.2	21.3	31.9

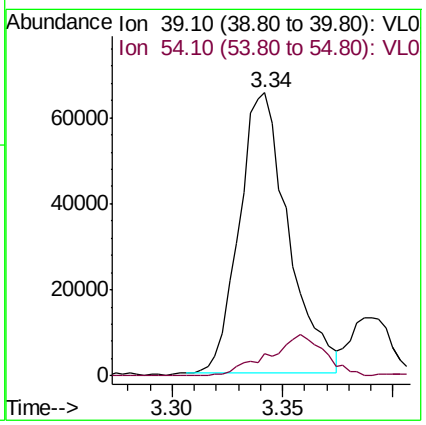


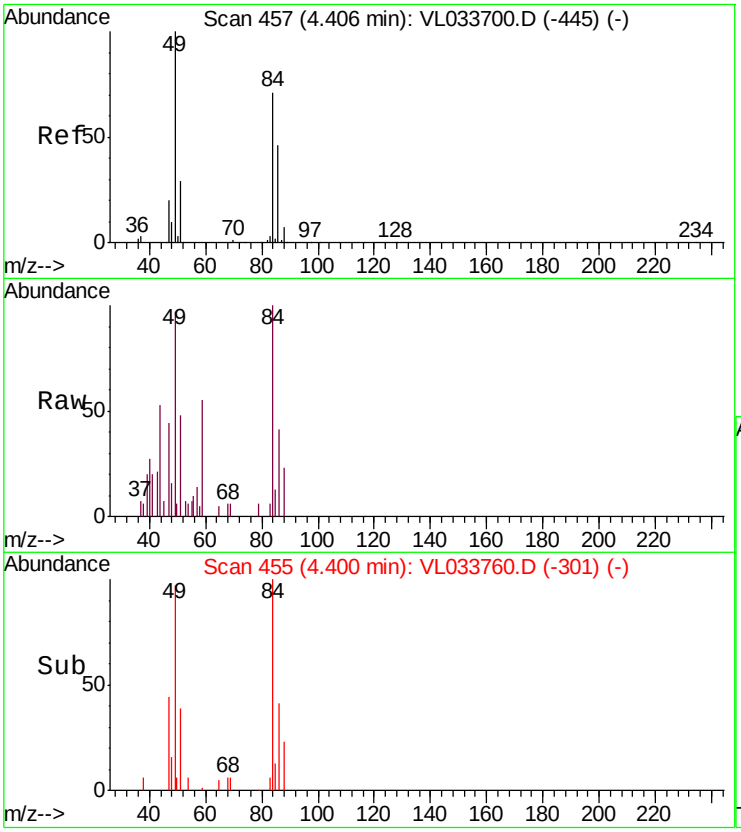


#16
1,3-Butadiene
Concen: 1.991 ppbv
RT: 3.34 min Scan# 126
Delta R.T. -0.02 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Tgt Ion: 39 Resp: 101571

Ion	Ratio	Lower	Upper
39	100		
54	17.2	69.0	103.6#



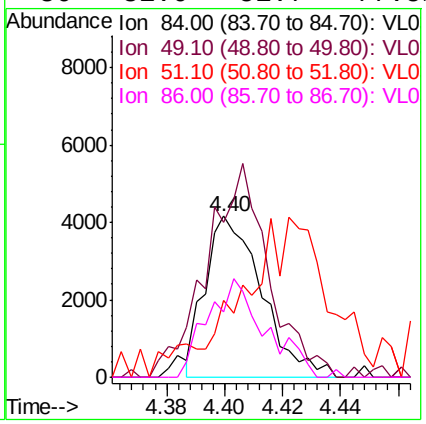


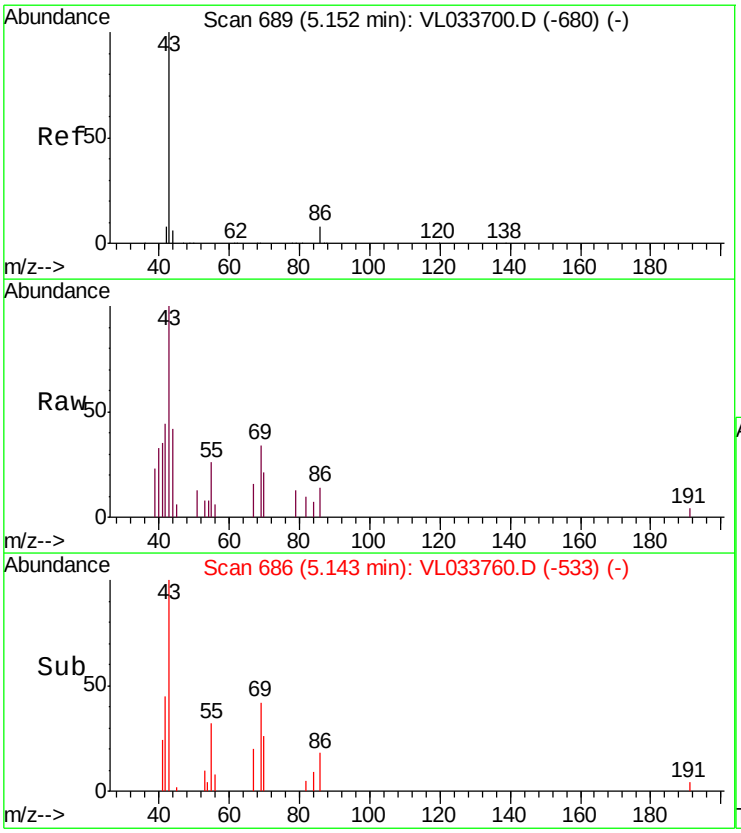
#20
Methylene Chloride
Concen: 0.115 ppbv
RT: 4.40 min Scan# 455
Delta R.T. -0.01 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Instrument : MSVOA_L
ClientSampleId : BPS1-DUP-01DL

Tgt Ion: 84 Resp: 5650

Ion	Ratio	Lower	Upper
84	100		
49	102.2	112.8	169.2#
51	27.2	33.4	50.0#
86	31.0	51.7	77.5#

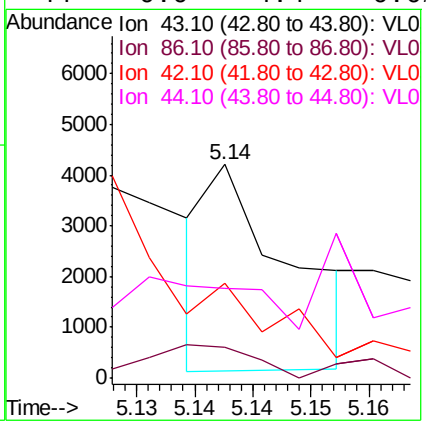


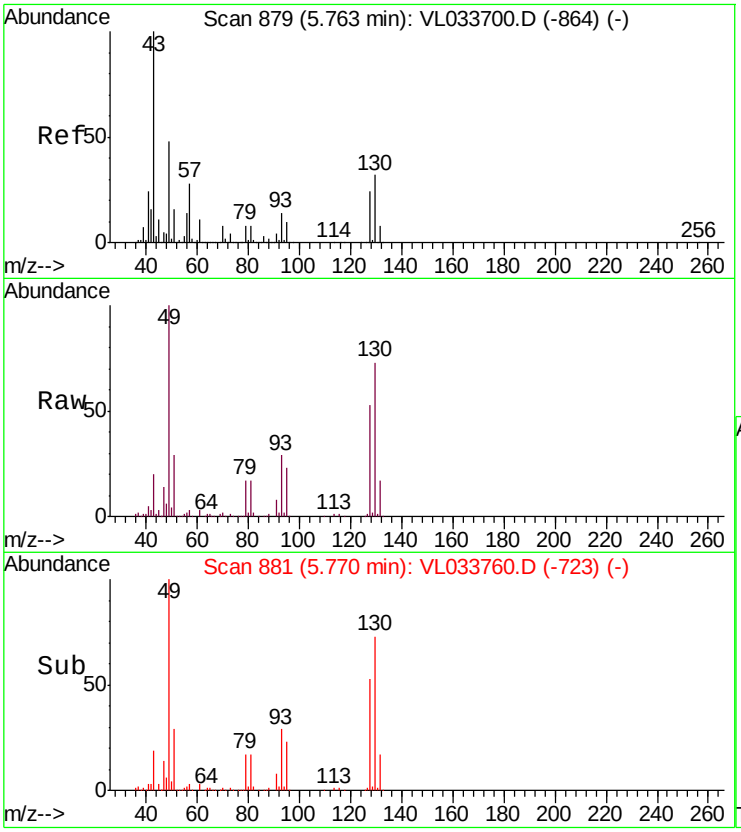


#23
Vinyl Acetate
Concen: 0.012 ppbv
RT: 5.14 min Scan# 686
Delta R.T. -0.01 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Tgt Ion: 43 Resp: 1992

Ion	Ratio	Lower	Upper
43	100		
86	16.2	6.0	9.0#
42	69.9	7.5	11.3#
44	0.0	4.4	6.6#



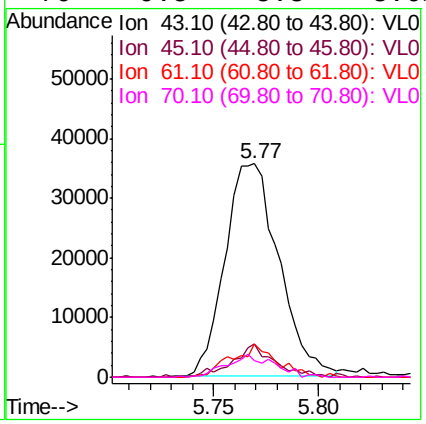


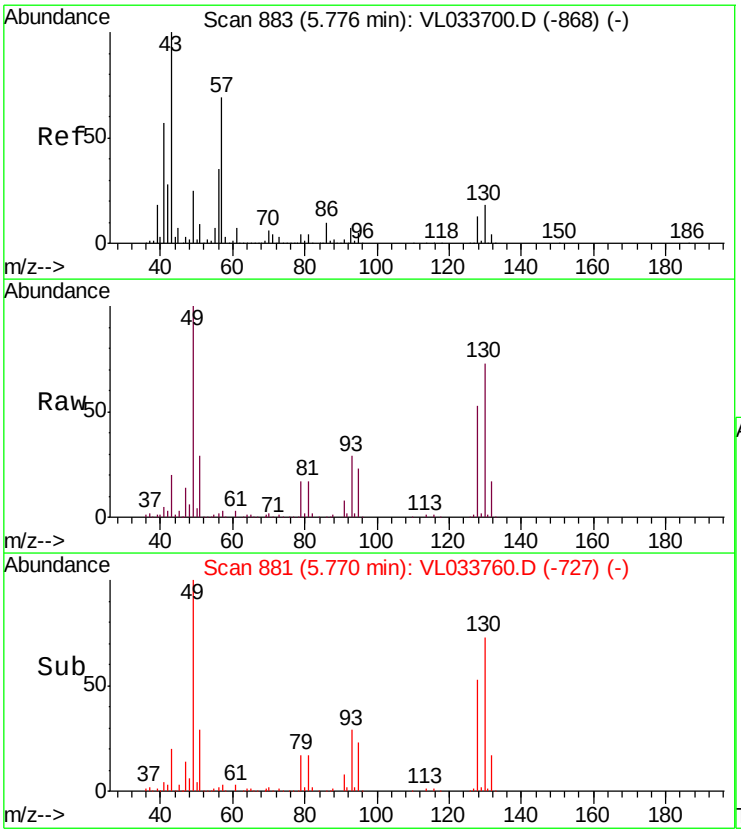
#25
Ethyl Acetate
Concen: 0.280 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.01 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP-01DL

Tgt Ion: 43 Resp: 63022

Ion	Ratio	Lower	Upper
43	100		
45	13.0	7.9	11.9#
61	13.3	7.7	11.5#
70	9.5	5.8	8.6#

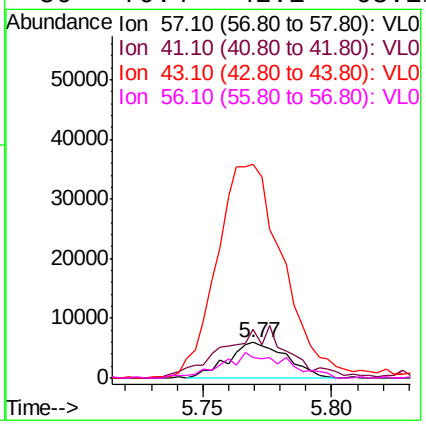


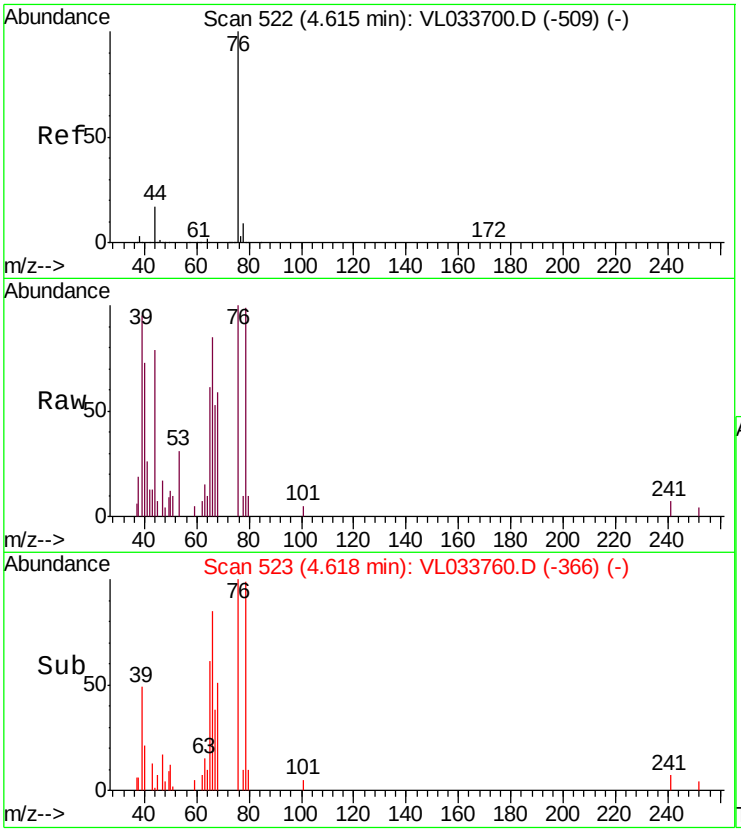


#26
Hexane
Concen: 0.099 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Tgt Ion: 57 Resp: 9549

Ion	Ratio	Lower	Upper
57	100		
41	163.1	69.8	104.6#
43	685.7	181.8	272.6#
56	79.4	42.1	63.1#



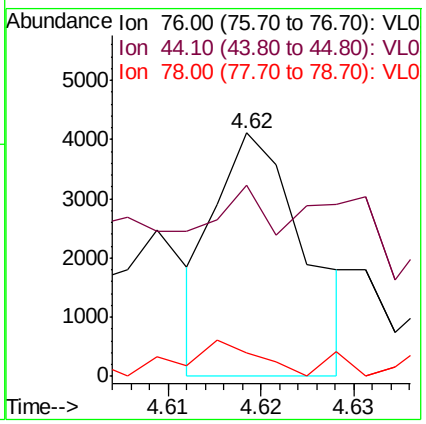


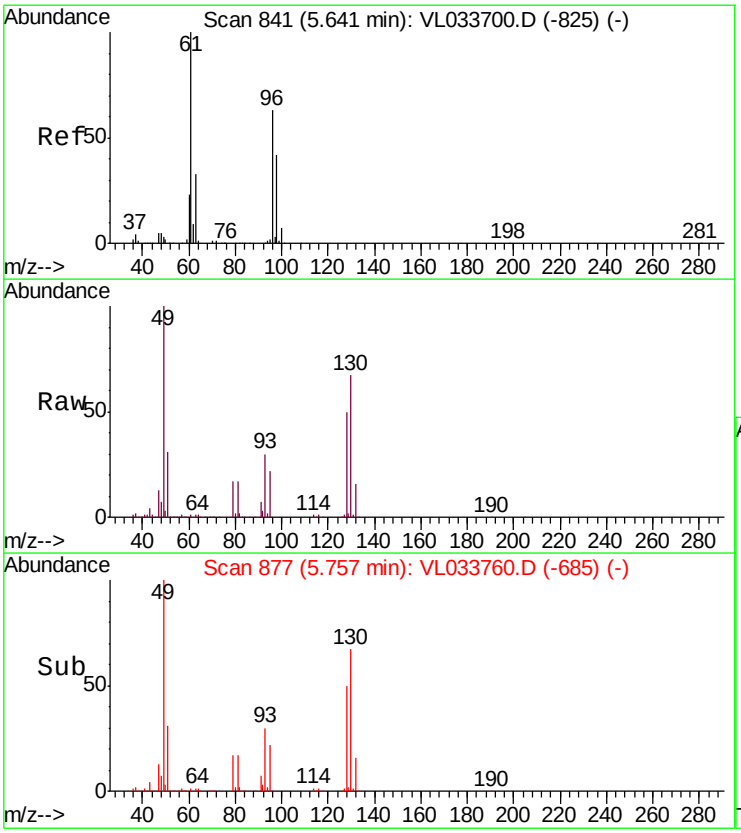
#27
Carbon Disulfide
Concen: 0.021 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Instrument : MSVOA_L
ClientSampleId : BPS1-DUP-01DL

Tgt Ion: 76 Resp: 2758

Ion	Ratio	Lower	Upper
76	100		
44	0.0	13.8	20.8#
78	25.7	7.4	11.0#

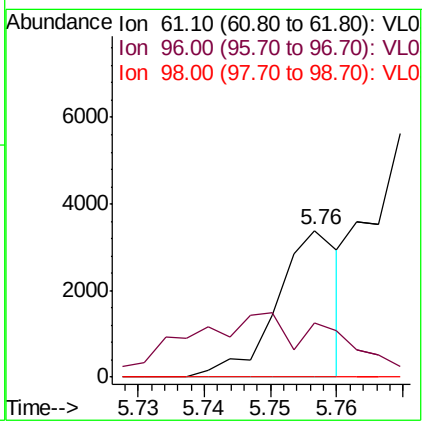


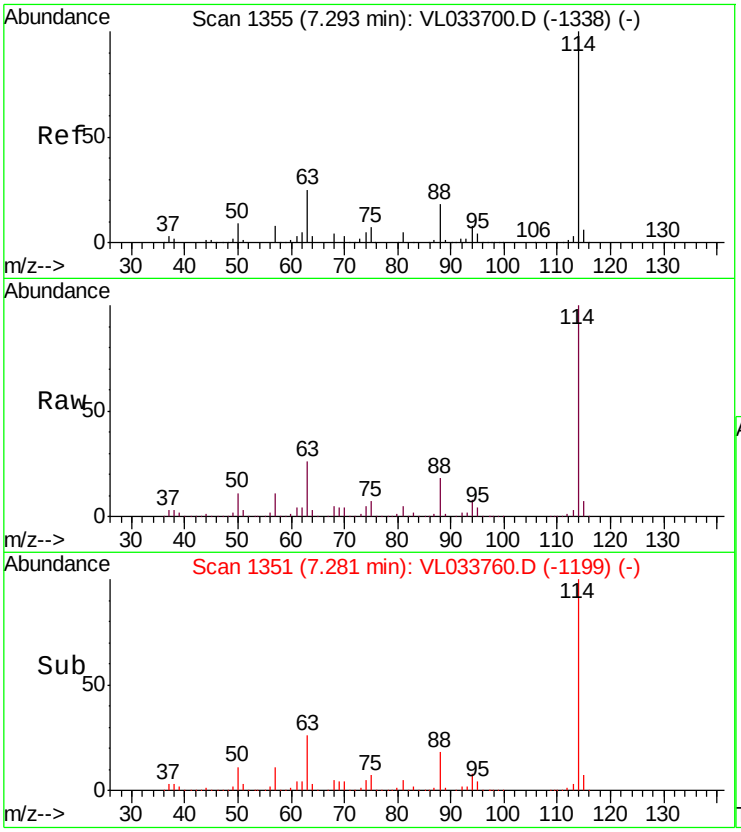


#31
cis-1,2-Dichloroethene
Concen: 0.023 ppbv
RT: 5.76 min Scan# 877
Delta R.T. 0.12 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Tgt Ion: 61 Resp: 2228

Ion	Ratio	Lower	Upper
61	100		
96	10.0	50.8	76.2#
98	0.0	33.3	49.9#



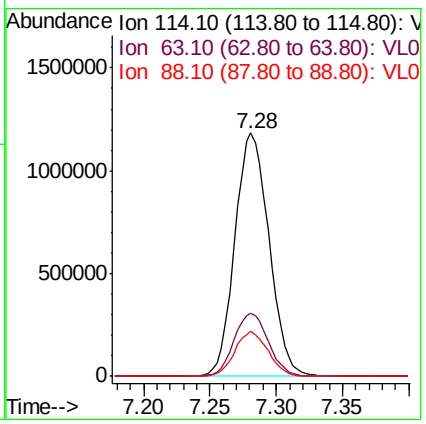


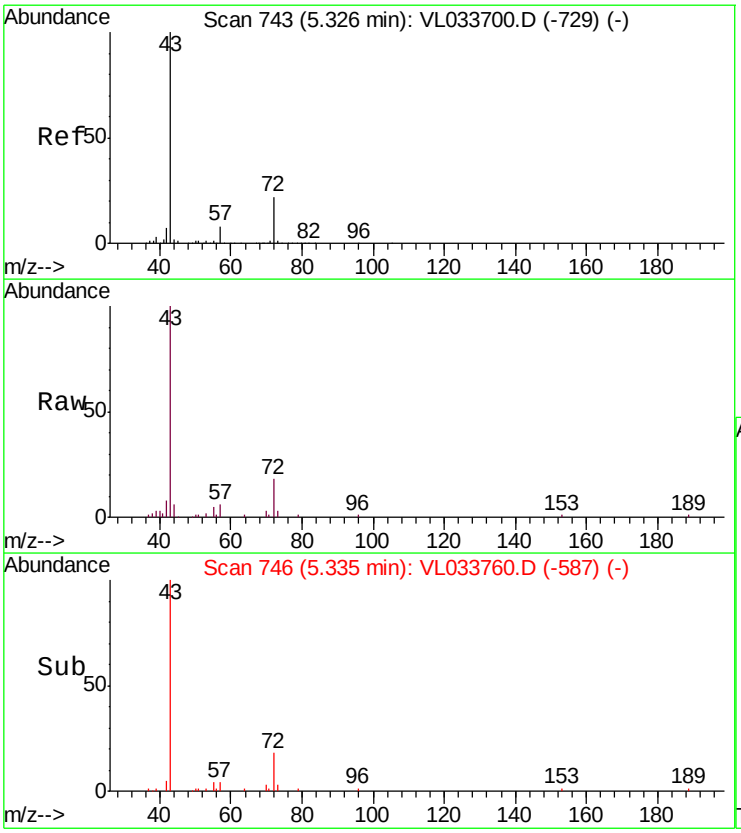
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP-01DL

Tgt Ion:114 Resp: 2120466

Ion	Ratio	Lower	Upper
114	100		
63	26.3	20.9	31.3
88	18.1	14.3	21.5

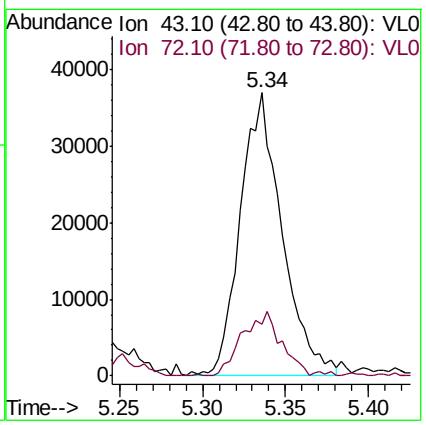


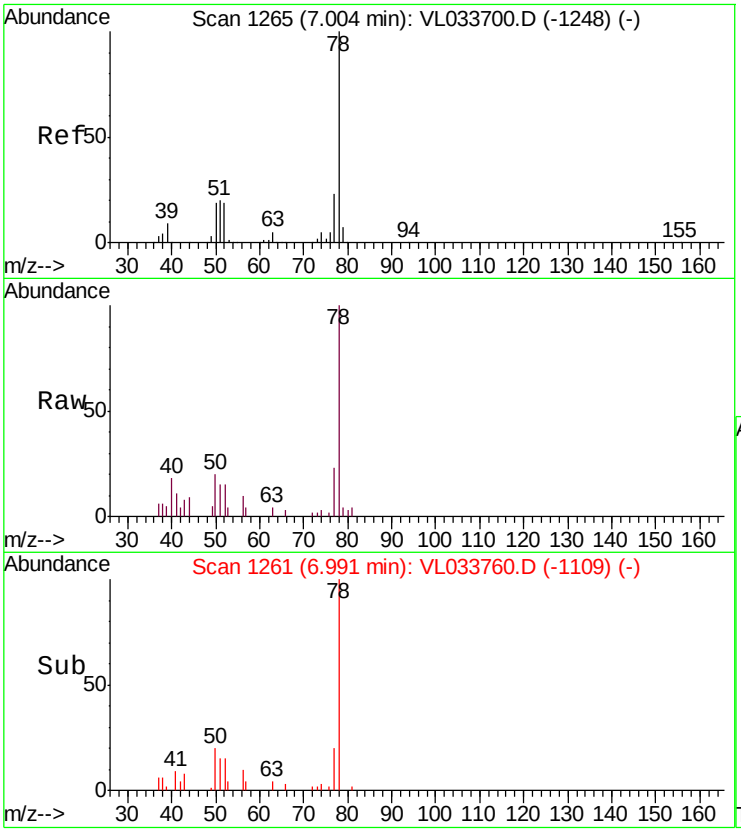


#34
2-Butanone
Concen: 0.493 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.01 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Tgt Ion: 43 Resp: 64840

Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.8	26.6



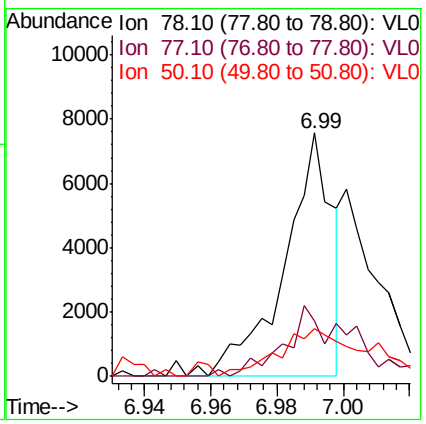


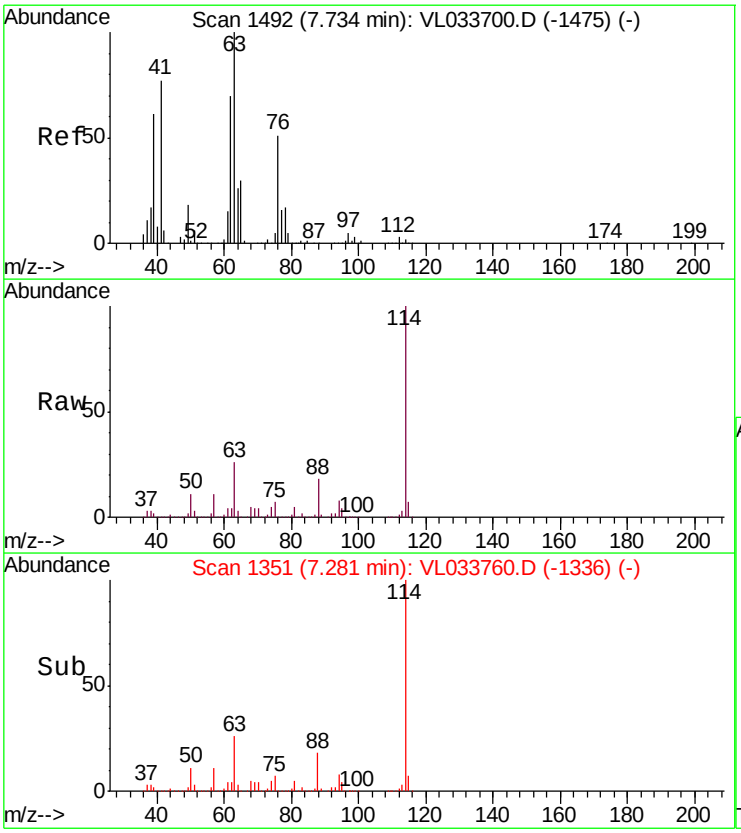
#36
Benzene
Concen: 0.039 ppbv
RT: 6.99 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Instrument : MSVOA_L
ClientSampleId : BPS1-DUP-01DL

Tgt Ion: 78 Resp: 7586

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.4	27.6
50	20.1	15.5	23.3

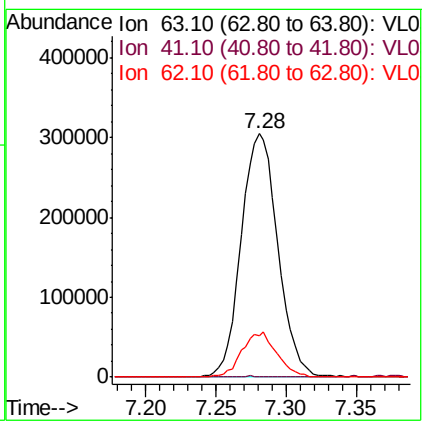


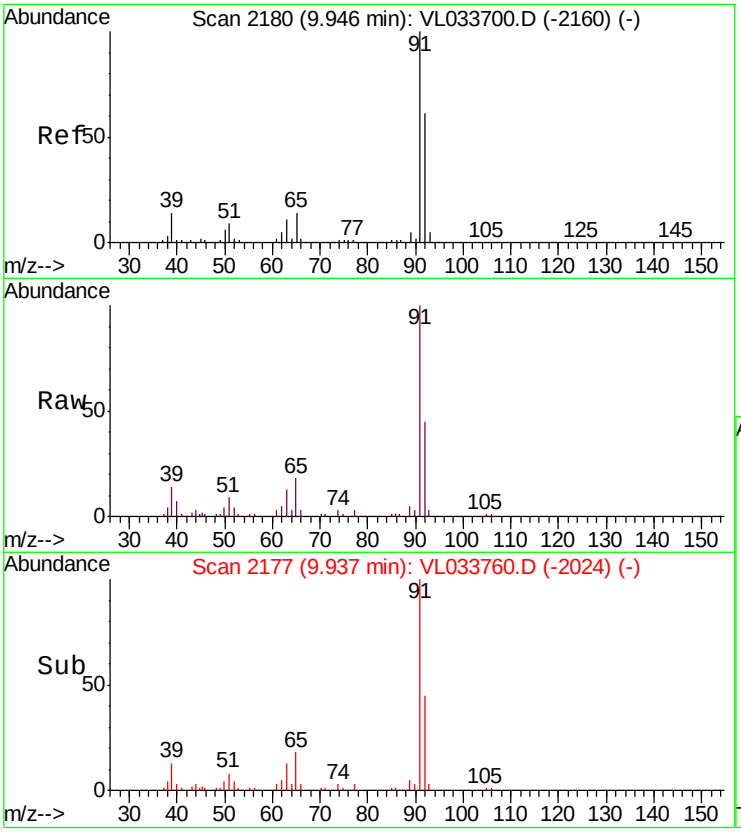


#39
1,2-Dichloropropane
Concen: 7.718 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.45 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Tgt Ion: 63 Resp: 555016

Ion	Ratio	Lower	Upper
63	100		
41	0.1	61.5	92.3#
62	17.1	56.2	84.4#



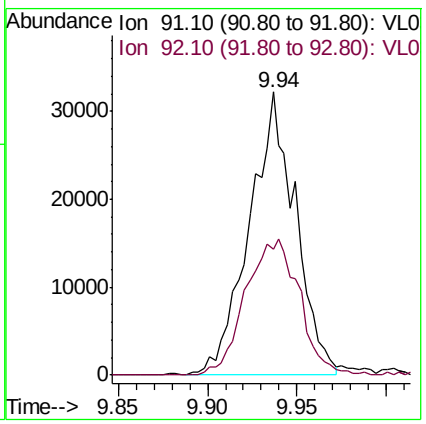


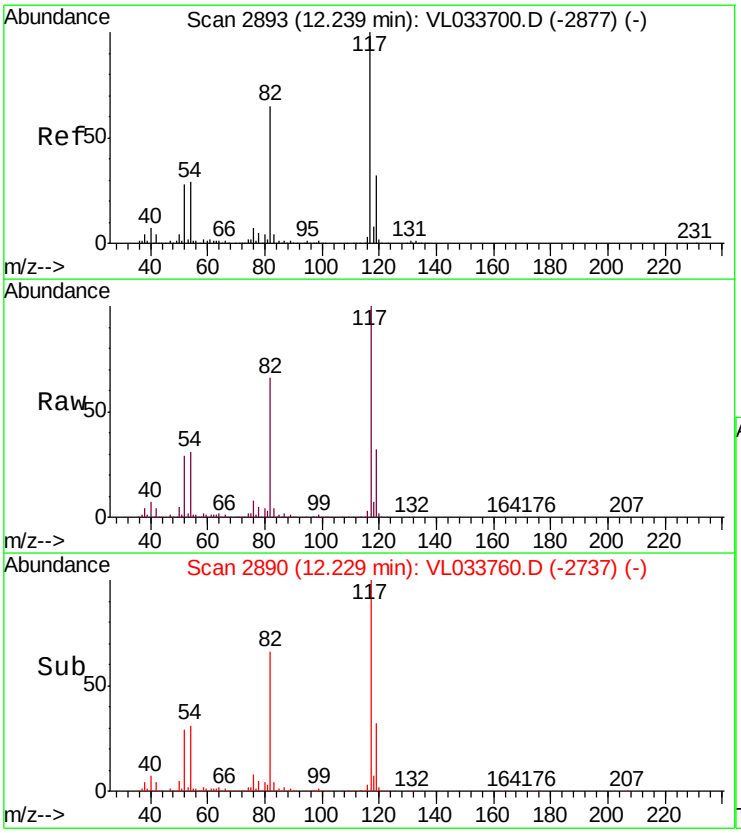
#53
Toluene
Concen: 0.279 ppbv
RT: 9.94 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP-01DL

Tgt Ion: 91 Resp: 58079

Ion	Ratio	Lower	Upper
91	100		
92	56.1	47.6	71.4

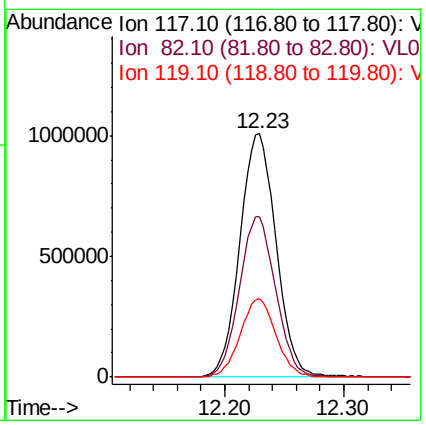


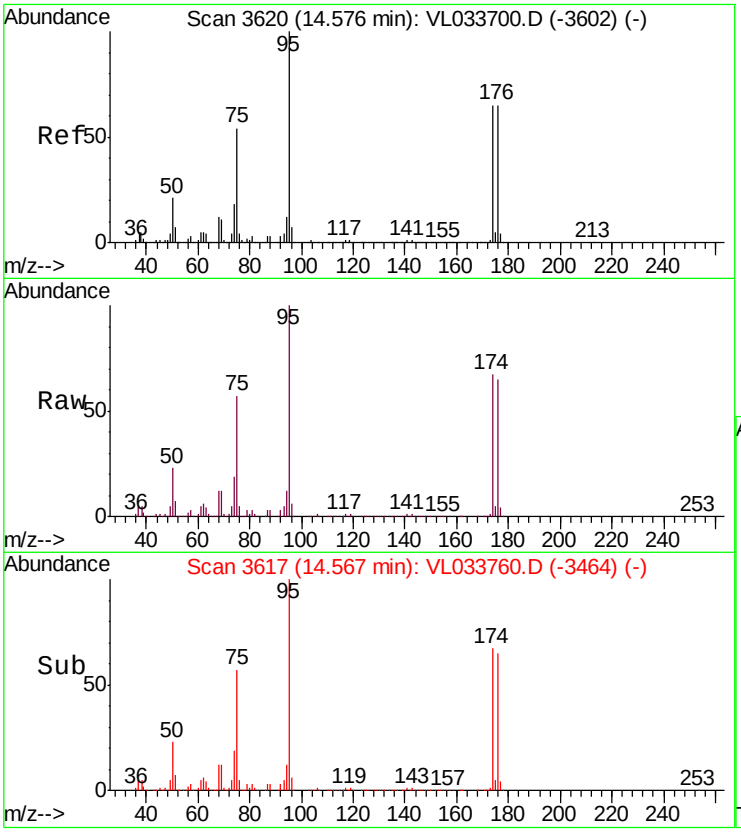


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Tgt Ion:117 Resp: 2129555

Ion	Ratio	Lower	Upper
117	100		
82	66.4	49.4	74.0
119	31.6	24.9	37.3



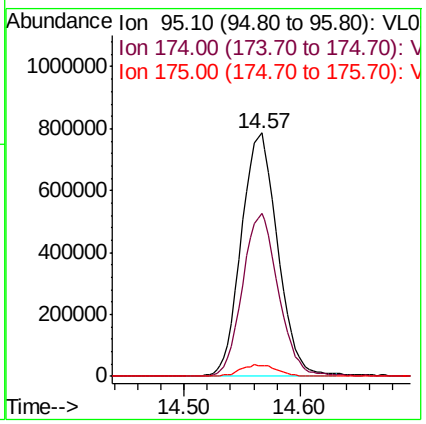


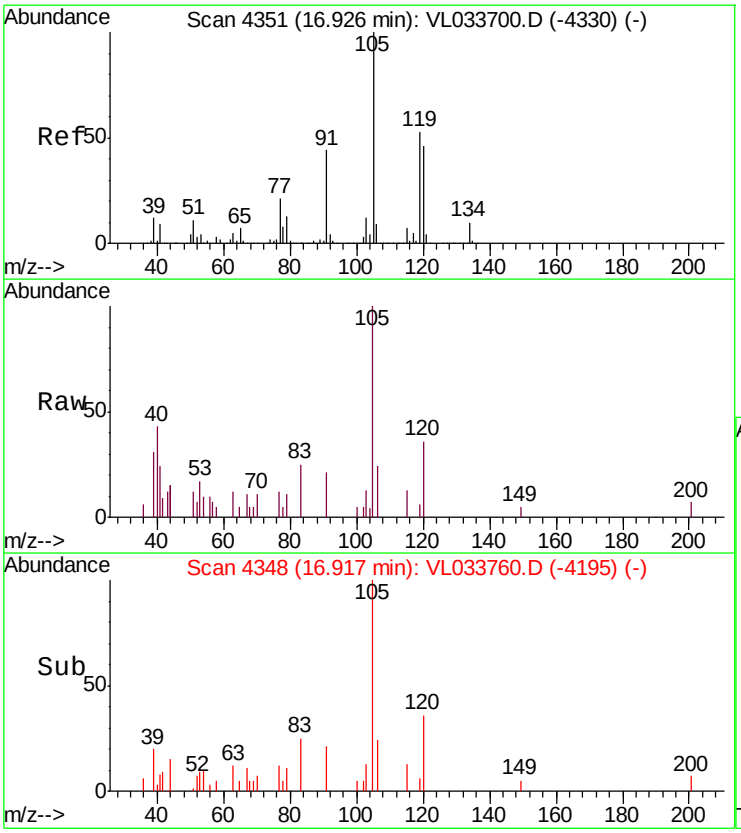
#68
1-Bromo-4-Fluorobenzene
Concen: 9.934 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP-01DL

Tgt Ion: 95 Resp: 1715028

Ion	Ratio	Lower	Upper
95	100		
174	67.0	53.9	80.9
175	4.8	3.8	5.8





#74
1,2,4-Trimethylbenzene
Concen: 0.019 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. -0.01 min
Lab File: VL033760.D
Acq: 23 May 2019 1:18

Tgt Ion:105 Resp: 5722

Ion	Ratio	Lower	Upper
105	100		
120	39.3	36.8	55.2
91	23.6	35.4	53.0#
77	0.0	16.8	25.2#