Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081220\

Quantitation Report (Not Reviewed)

Data File : VL035389.D
Acq On : 12 Aug 2020 19:38
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Quant Time: Aug 12 20:23:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 20:00:38 2020
QLast Update : Wed Aug 12 20:00:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	1493271	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	3418748	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.10	117	3201328	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	2709127	10.48	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	5607	0.031	ppbv		98
3) Chlorodifluoromethane	2.98	51	9224	0.053	ppbv		96
4) Chloromethane	3.14	50	3528	0.036	ppbv	#	62
7) Chloroethane	3.55	64	1780	0.053	ppbv		100
8) Dichlorotetrafluoroethane	3.18	85	10216	0.049	ppbv		93
9) Propene	3.01	41	6850	0.076	ppbv	#	70
11) Trichlorofluoromethane	3.95	101	10459	0.048	ppbv		96
18) 1,1-Dichloroethene	4.29	96	2836	0.042	ppbv	#	65
20) Methylene Chloride	4.34	84	9815	0.138	ppbv	#	89
31) cis-1,2-Dichloroethene	5.55	61	5307	0.032	ppbv	#	79
32) 1,1,1-Trichloroethane	6.51	97	10241	0.040	ppbv		87
37) 1,2-Dichloroethane	6.31	62	9050	0.050	ppbv	#	93
39) 1,2-Dichloropropane	7.18	63	921725	7.100	ppbv	#	26
47) 1,1,2-Trichloroethane	9.49	97	4366	0.033	ppbv	#	57
54) 1,2-Dibromoethane	10.63	107	7877	0.038	ppbv	#	64
58) Ethyl Benzene	12.73	91	23375	0.046	ppbv		94
62) Isopropylbenzene	14.69	105	20147	0.033	ppbv	#	75
65) tert-Butylbenzene	16.76	119	17582	0.033	ppbv	#	59
67) sec-Butylbenzene	17.32	105	25928	0.033	ppbv	#	85
72) 4-Ethyltoluene	15.86	105	16711	0.034	ppbv	#	55
76) 1,4-Dichlorobenzene	17.16	146	13345	0.048	ppbv		87
80) Naphthalene,2-methyl-	25.00	142	11684	0.041	ppbv	#	92

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

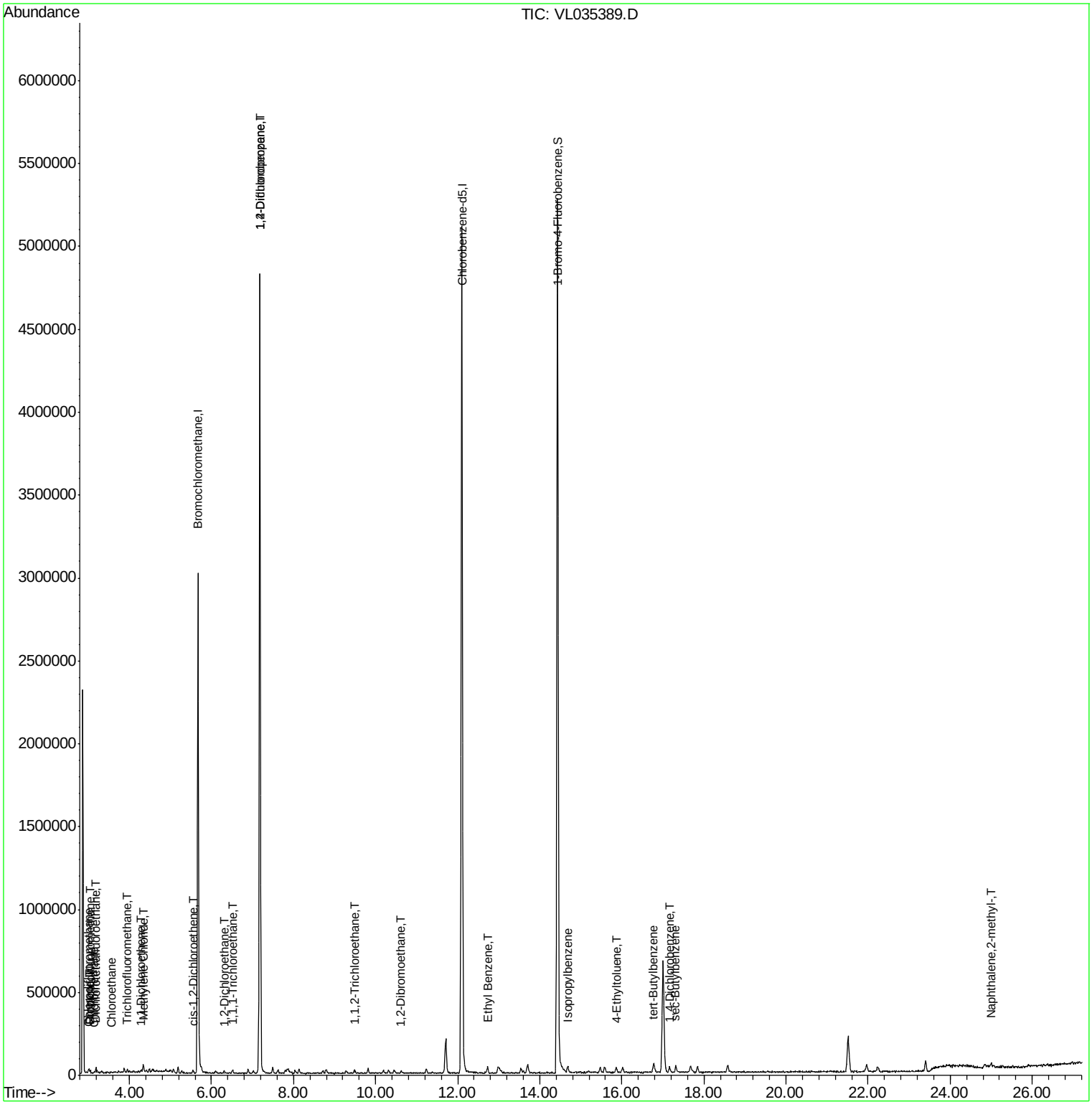
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081220\

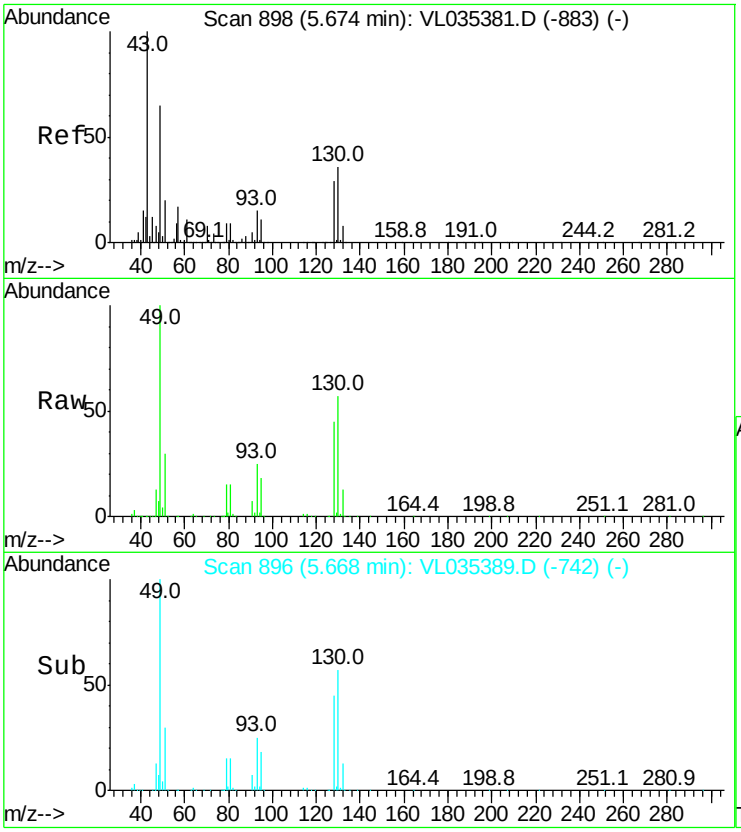
Quantitation Report (Not Reviewed)

Data File : VL035389.D
Acq On : 12 Aug 2020 19:38
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Quant Time: Aug 12 20:23:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 20:00:38 2020
QLast Update : Wed Aug 12 20:00:38 2020
Response via : Initial Calibration



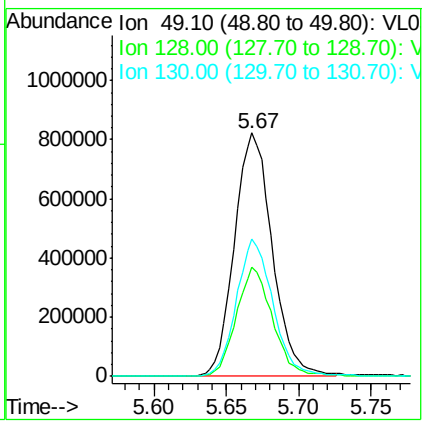


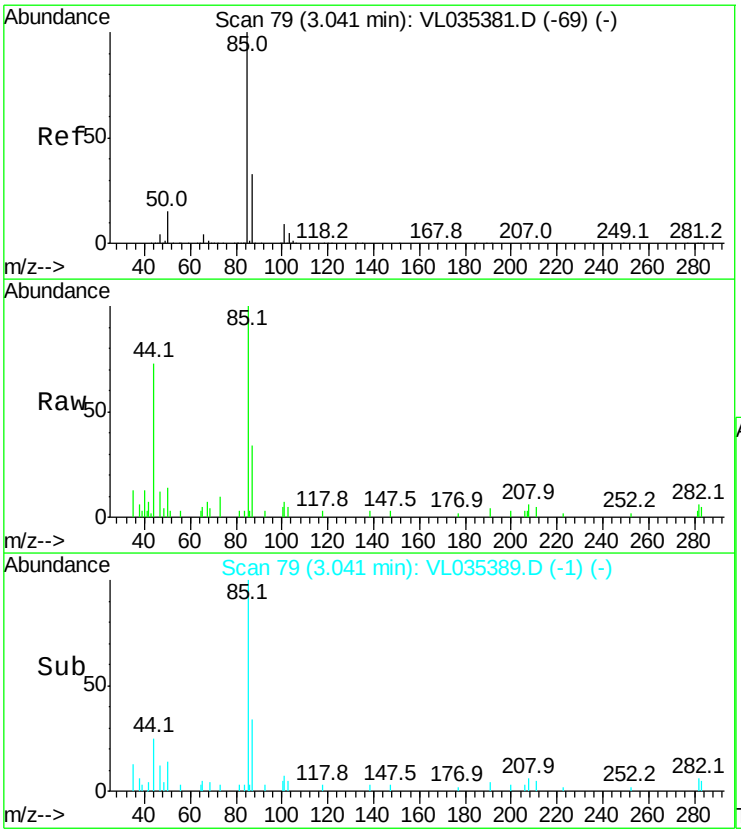
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 49 Resp: 1493271

Ion	Ratio	Lower	Upper
49	100		
128	43.6	21.8	65.3
130	54.9	27.9	83.6

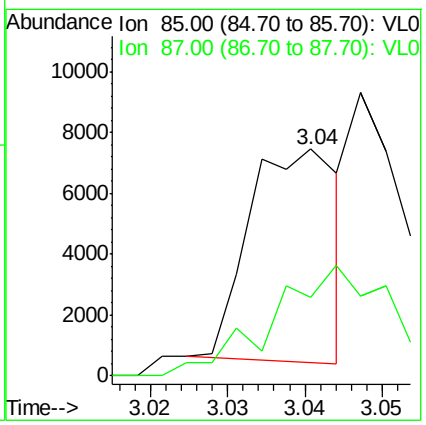


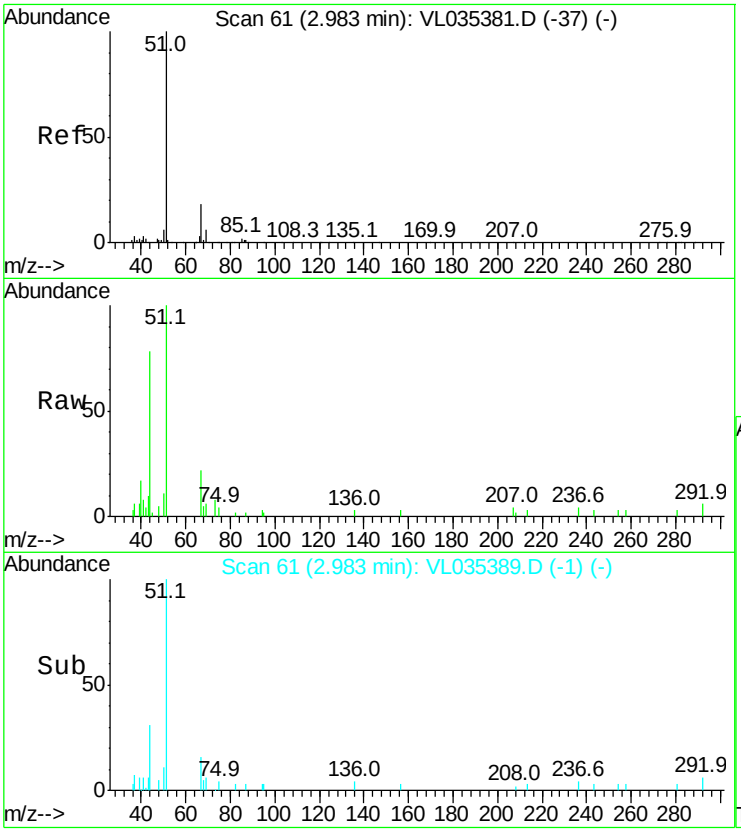


#2
Dichlorodifluoromethane
Concen: 0.031 ppbv
RT: 3.04 min Scan# 79
Delta R.T. 0.00 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Tgt Ion: 85 Resp: 5607

Ion	Ratio	Lower	Upper
85	100		
87	31.5	26.1	39.1



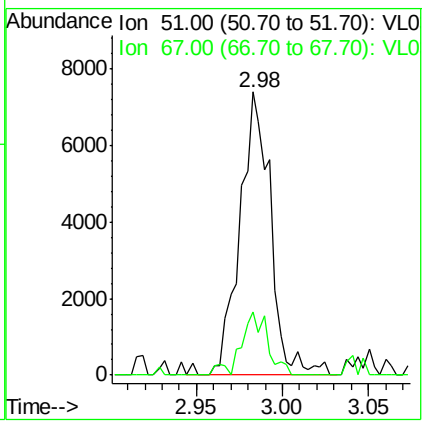


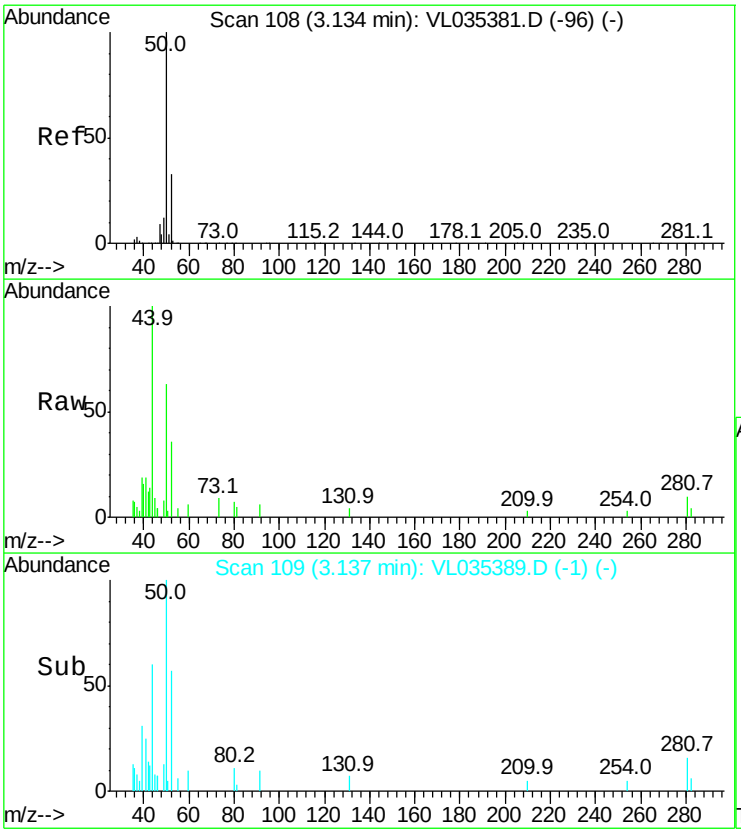
#3
Chlorodifluoromethane
Concen: 0.053 ppbv
RT: 2.98 min Scan# 61
Delta R.T. 0.00 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 51 Resp: 9224

Ion	Ratio	Lower	Upper
51	100		
67	19.5	14.1	21.1

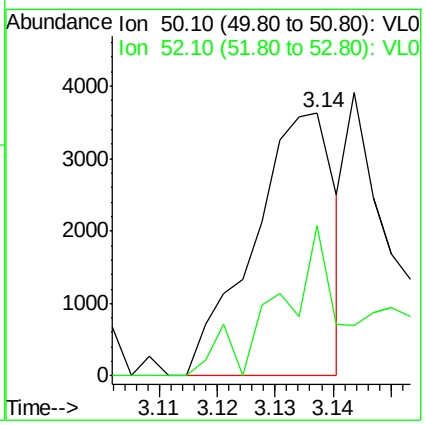


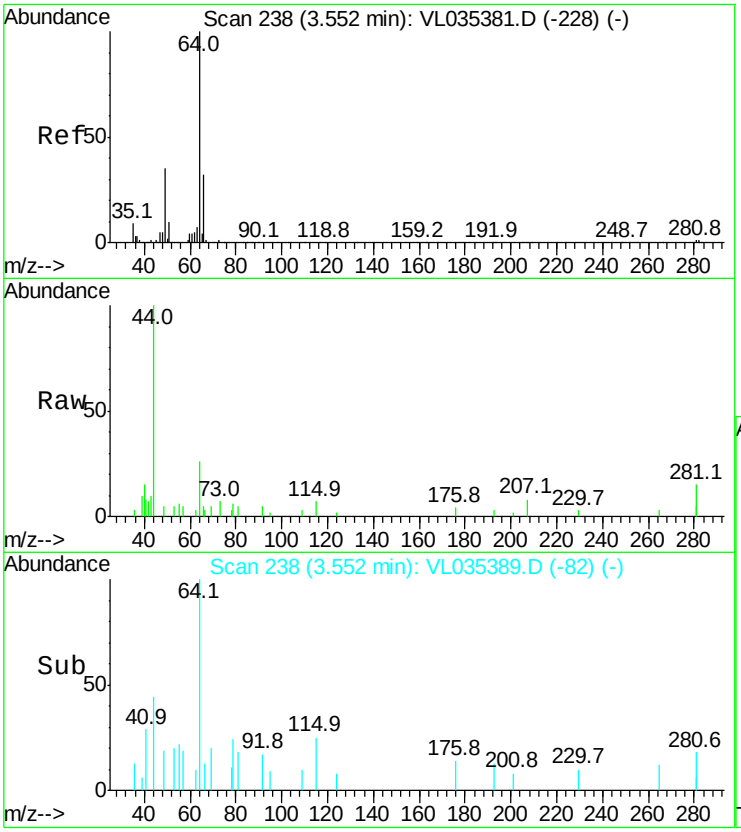


#4
Chloromethane
Concen: 0.036 ppbv
RT: 3.14 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Tgt Ion: 50 Resp: 3528

Ion	Ratio	Lower	Upper
50	100		
52	54.5	26.6	39.8#



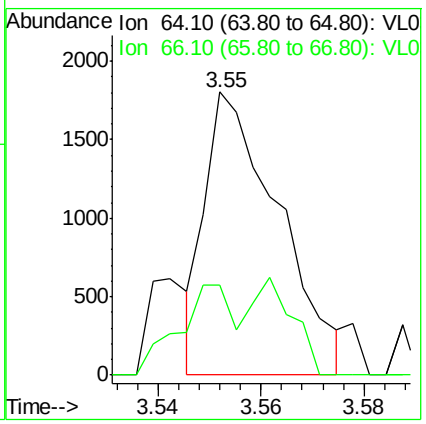


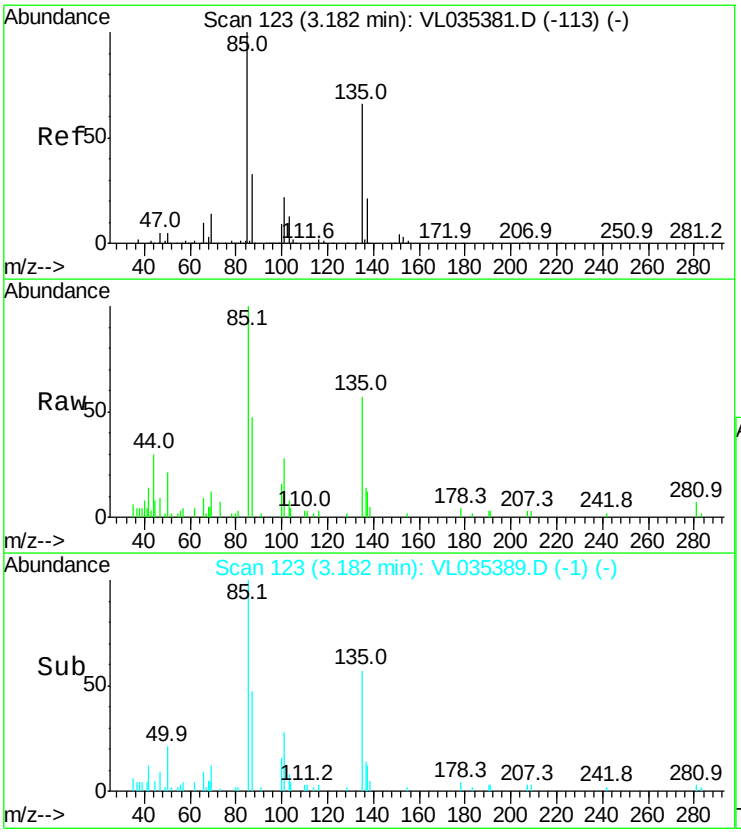
#7
Chloroethane
Concen: 0.053 ppbv
RT: 3.55 min Scan# 238
Delta R.T. 0.00 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 64 Resp: 1780

Ion	Ratio	Lower	Upper
64	100		
66	32.0	25.7	38.5

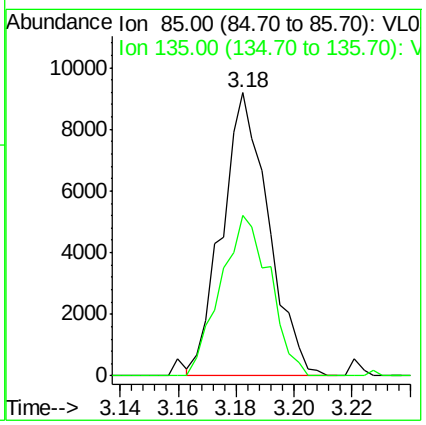


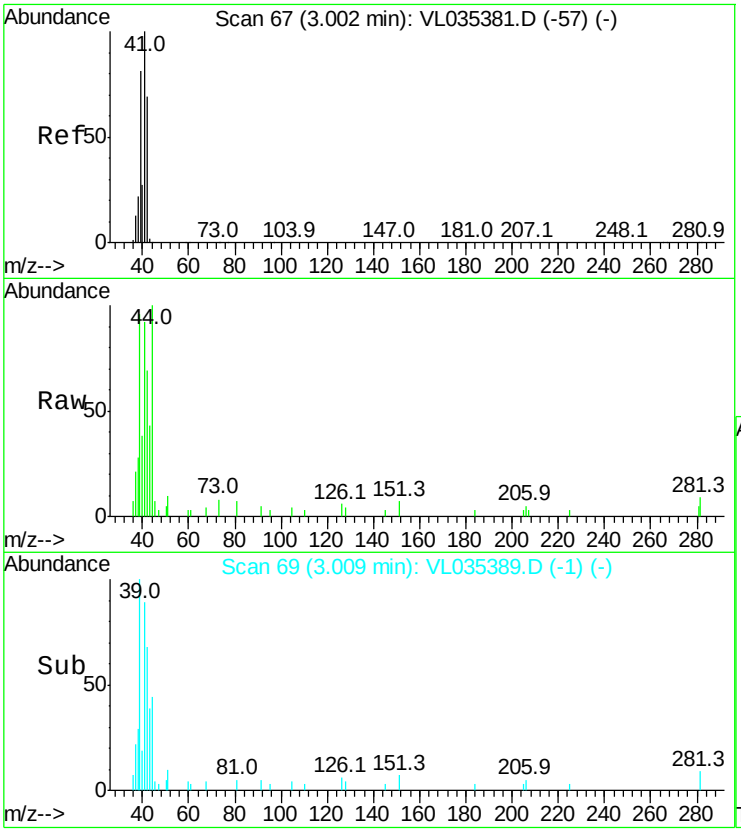


#8
Dichlorotetrafluoroethane
Concen: 0.049 ppbv
RT: 3.18 min Scan# 123
Delta R.T. 0.00 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Tgt Ion: 85 Resp: 10216

Ion	Ratio	Lower	Upper
85	100		
135	60.2	52.5	78.7



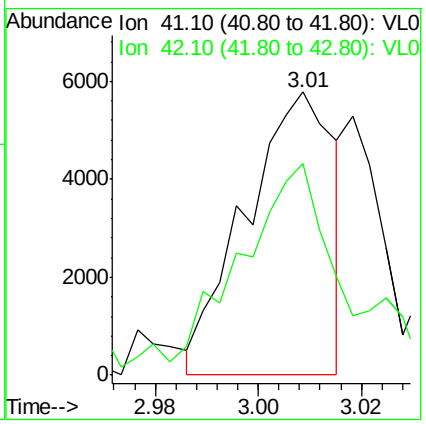


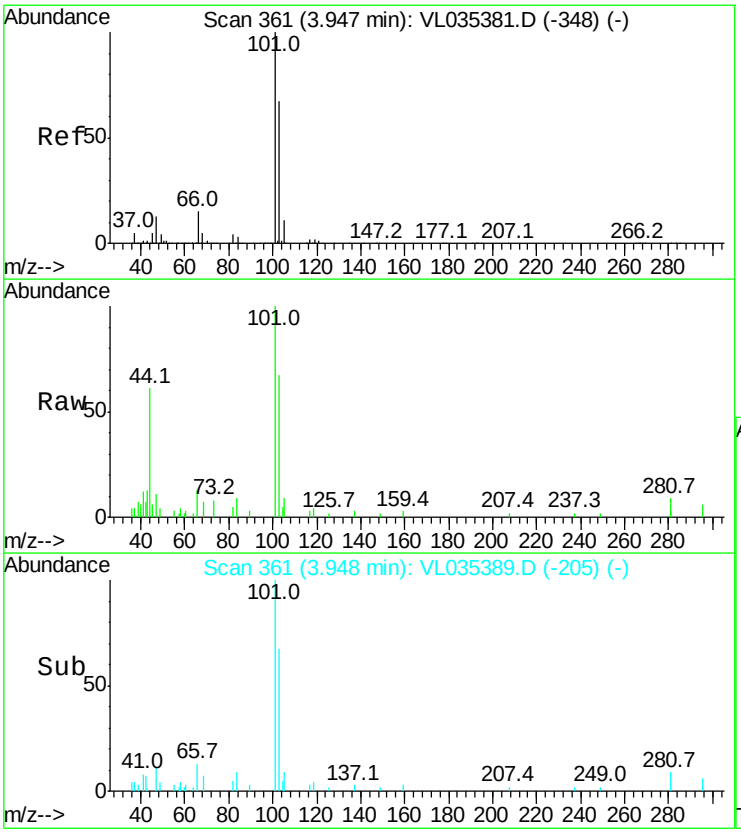
#9
Propene
Concen: 0.076 ppbv
RT: 3.01 min Scan# 69
Delta R.T. 0.01 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 41 Resp: 6850

Ion	Ratio	Lower	Upper
41	100		
42	93.4	55.4	83.2#

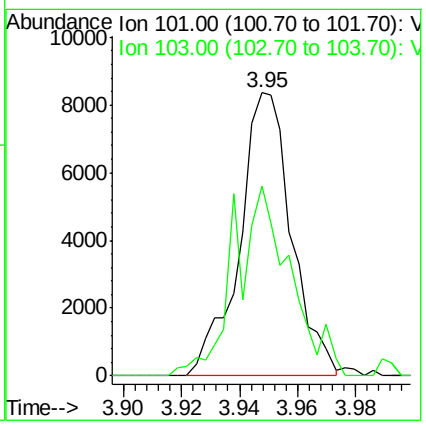


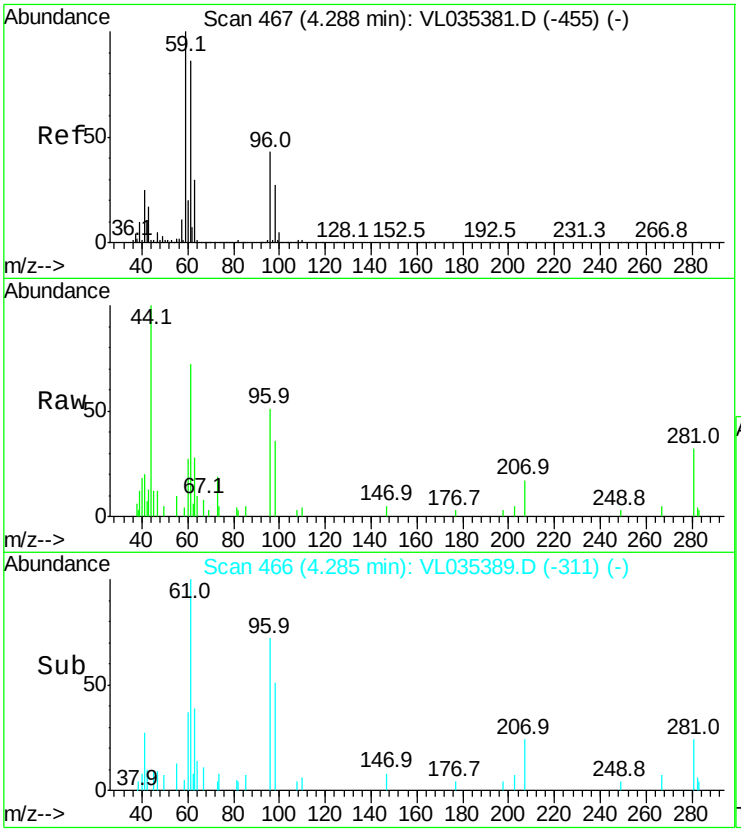


#11
Trichlorofluoromethane
Concen: 0.048 ppbv
RT: 3.95 min Scan# 361
Delta R.T. 0.00 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Tgt Ion:101 Resp: 10459

Ion	Ratio	Lower	Upper
101	100		
103	63.8	53.3	79.9



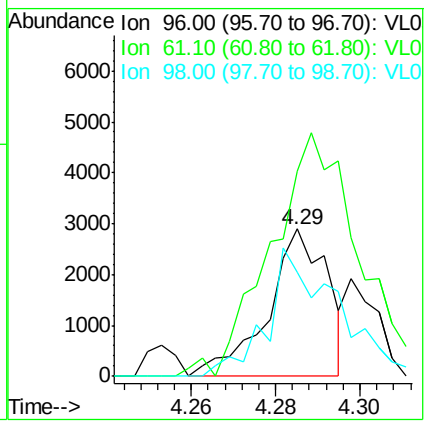


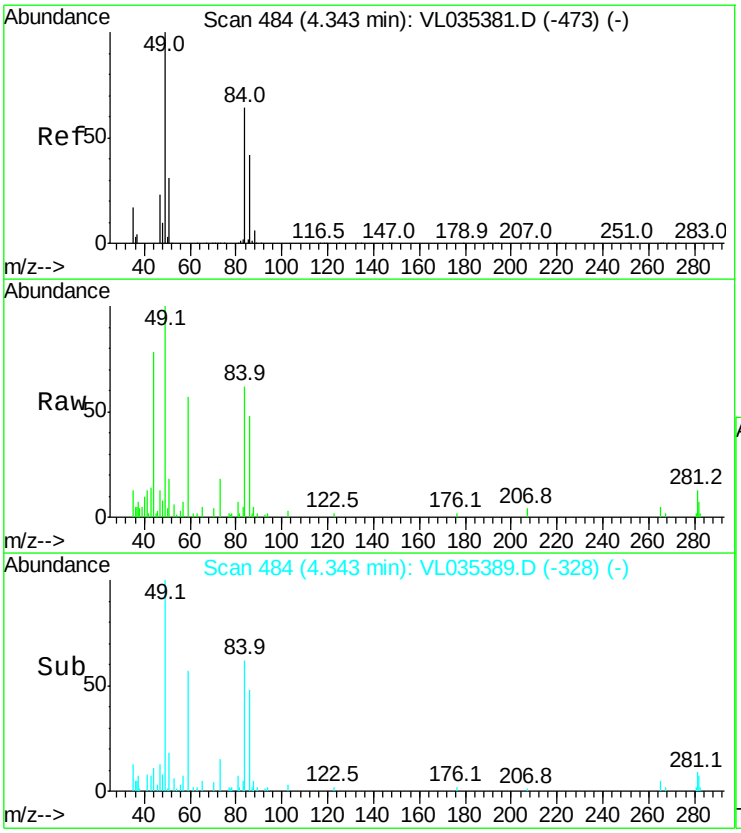
#18
1,1-Dichloroethene
Concen: 0.042 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 96 Resp: 2836

Ion	Ratio	Lower	Upper
96	100		
61	133.4	159.0	238.4#
98	70.7	50.3	75.5

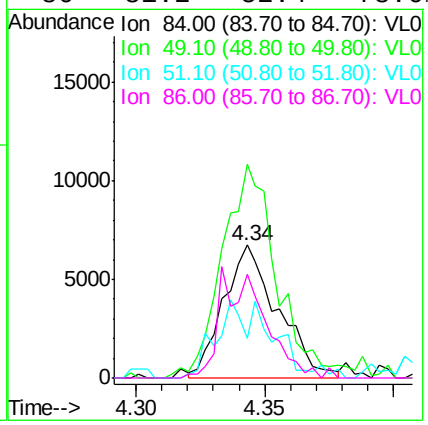


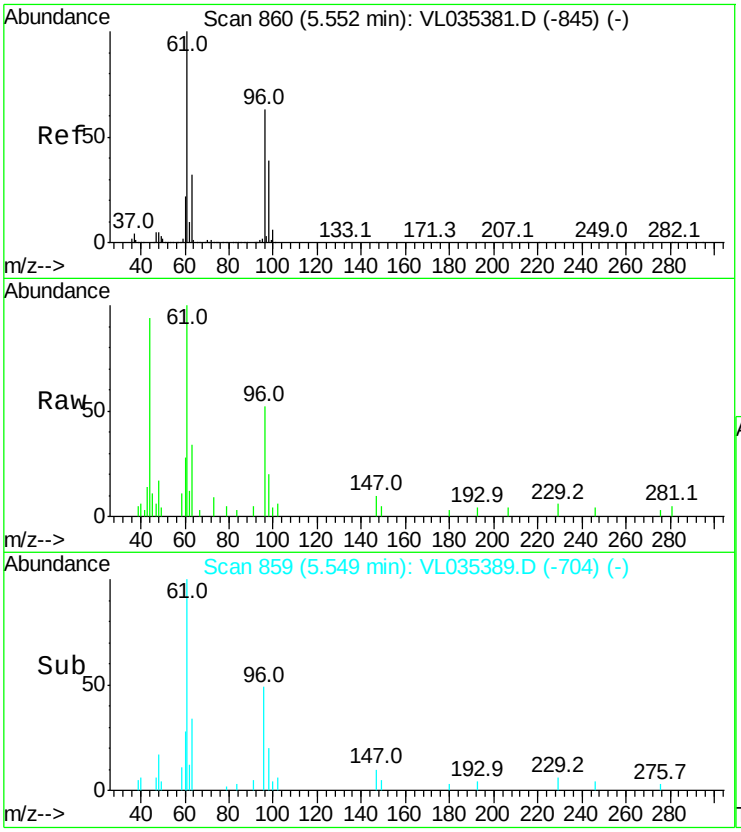


#20
Methylene Chloride
Concen: 0.138 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Tgt Ion: 84 Resp: 9815

Ion	Ratio	Lower	Upper
84	100		
49	158.1	125.7	188.5
51	27.9	38.5	57.7#
86	81.2	52.4	78.6#



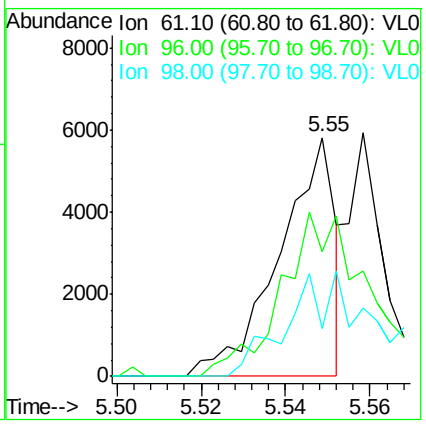


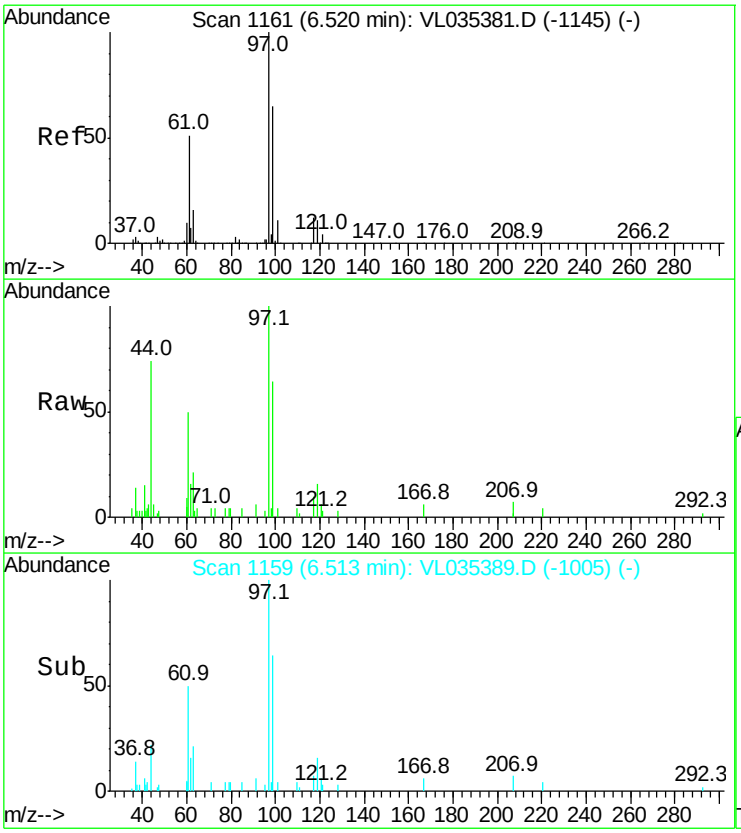
#31
cis-1,2-Dichloroethene
Concen: 0.032 ppbv
RT: 5.55 min Scan# 859
Delta R.T. -0.00 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 61 Resp: 5307

Ion	Ratio	Lower	Upper
61	100		
96	52.1	50.5	75.7
98	19.7	31.5	47.3#

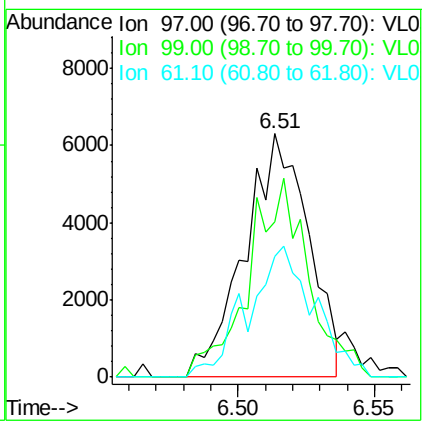


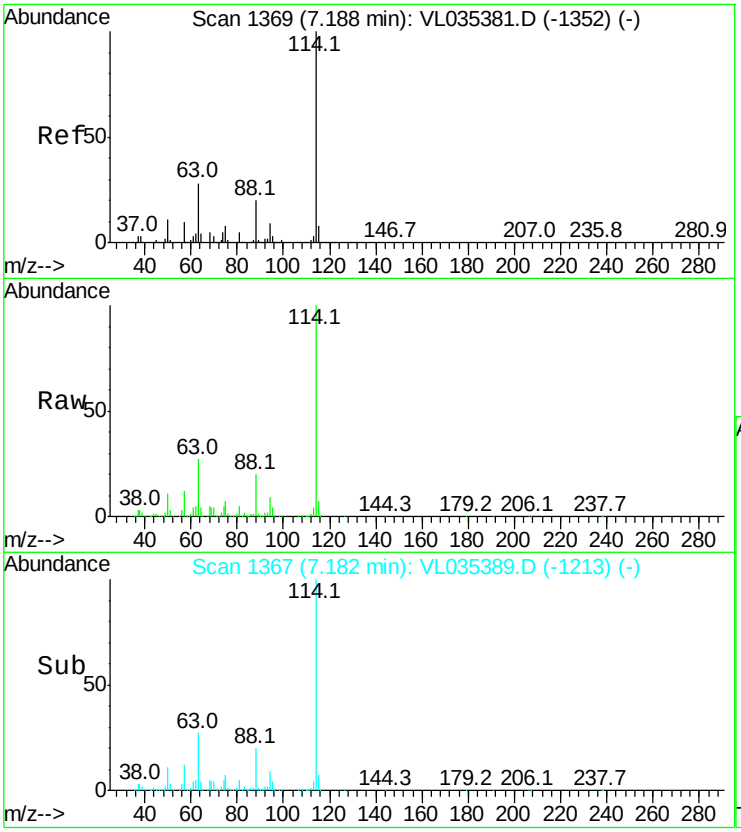


#32
1,1,1-Trichloroethane
Concen: 0.040 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Tgt Ion: 97 Resp: 10241

Ion	Ratio	Lower	Upper
97	100		
99	76.6	51.8	77.8
61	56.1	39.6	59.4



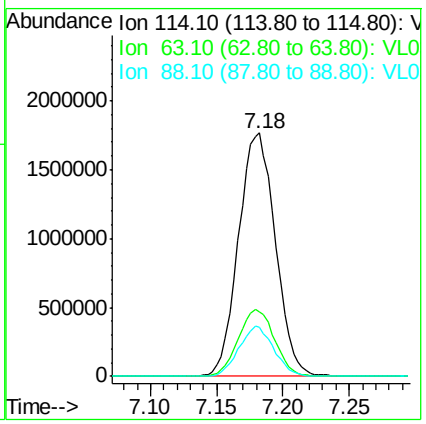


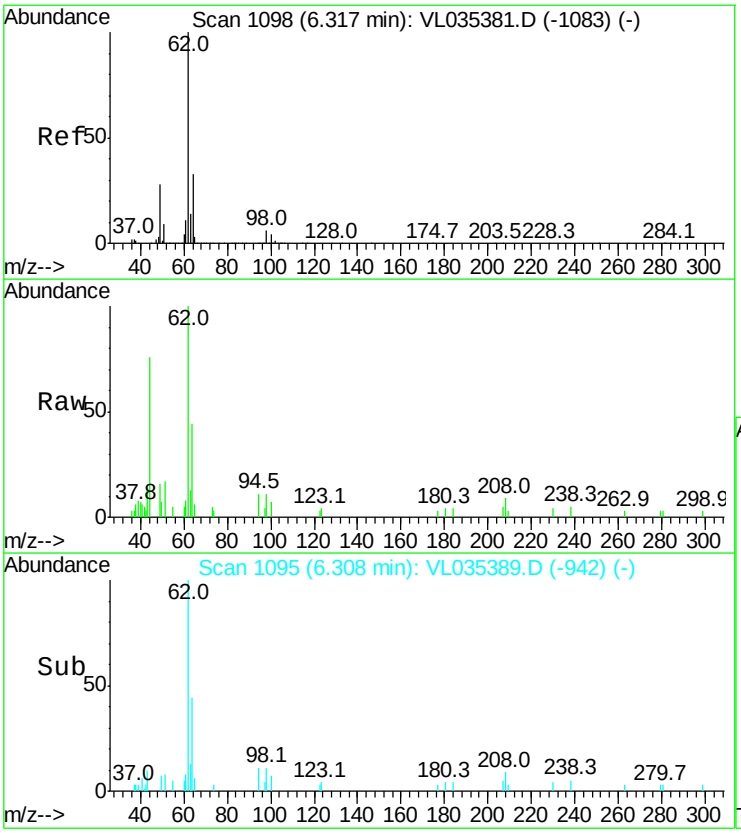
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:114 Resp: 3418748

Ion	Ratio	Lower	Upper
114	100		
63	27.1	21.5	32.3
88	19.6	15.6	23.4

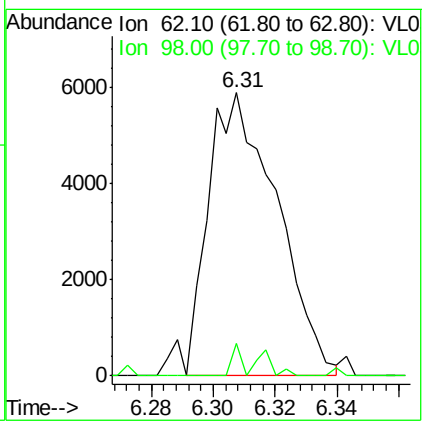


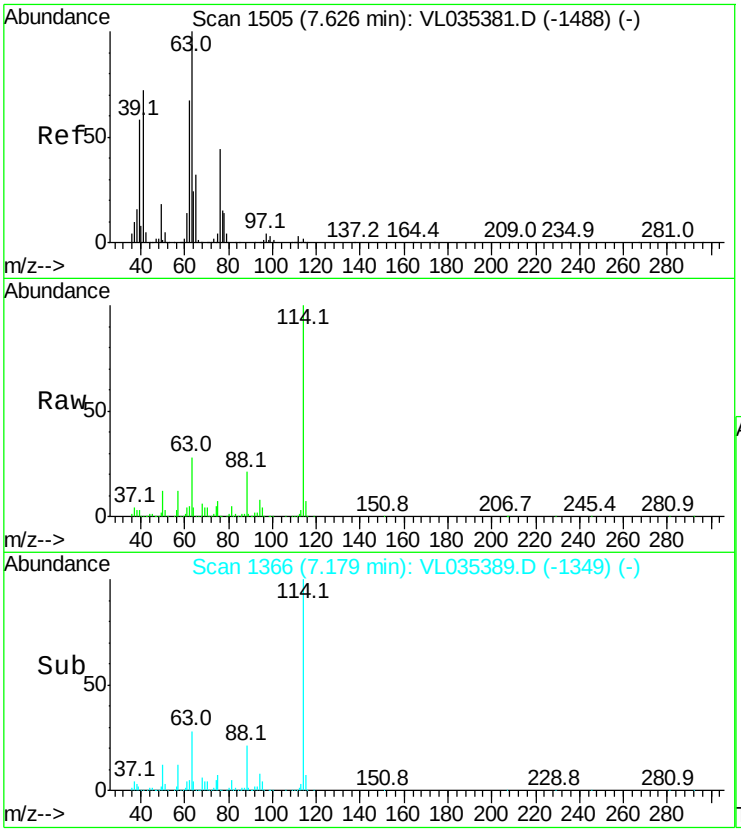


#37
1,2-Dichloroethane
Concen: 0.050 ppbv
RT: 6.31 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Tgt Ion: 62 Resp: 9050

Ion	Ratio	Lower	Upper
62	100		
98	4.0	5.1	7.7#



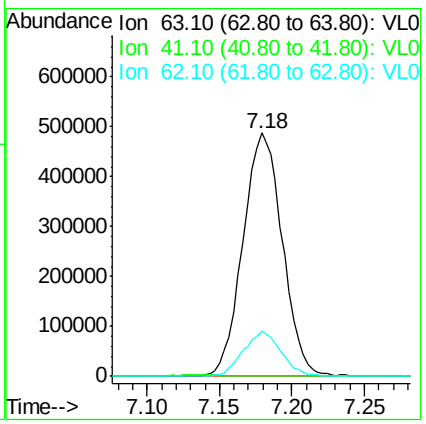


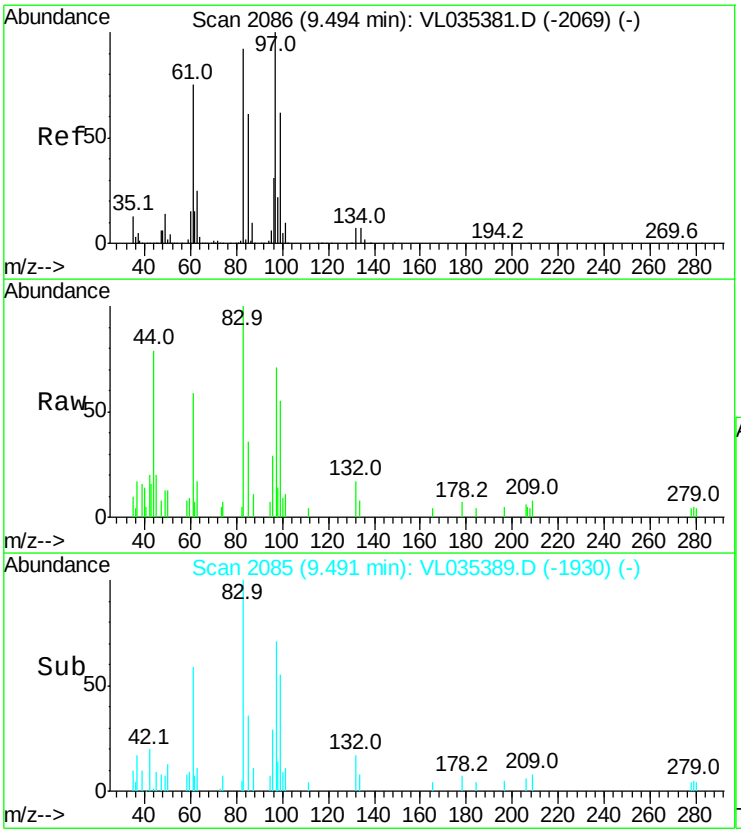
#39
1,2-Dichloropropane
Concen: 7.100 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.45 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 63 Resp: 921725

Ion	Ratio	Lower	Upper
63	100		
41	0.1	57.4	86.2#
62	18.4	53.6	80.4#

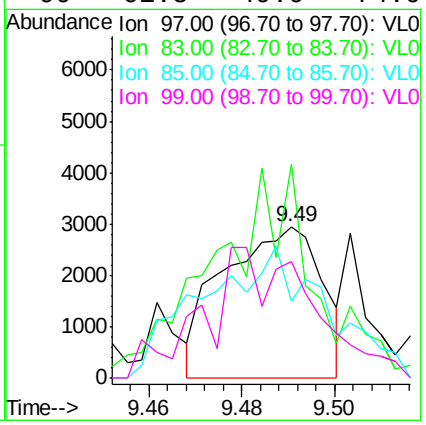


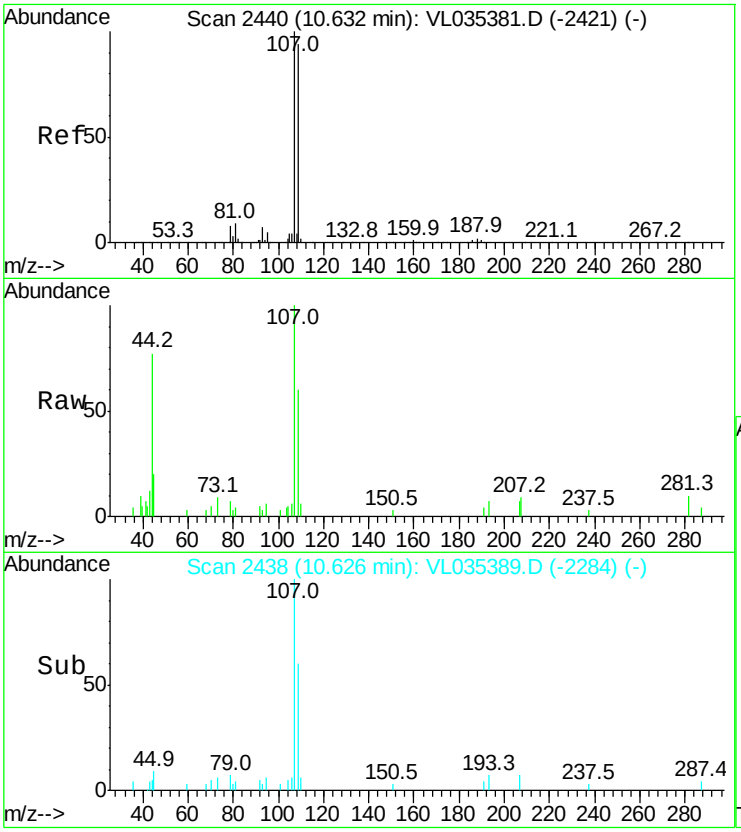


#47
1,1,2-Trichloroethane
Concen: 0.033 ppbv
RT: 9.49 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Tgt Ion: 97 Resp: 4366

Ion	Ratio	Lower	Upper
97	100		
83	152.7	73.9	110.9#
85	18.5	49.0	73.6#
99	61.5	49.9	74.9



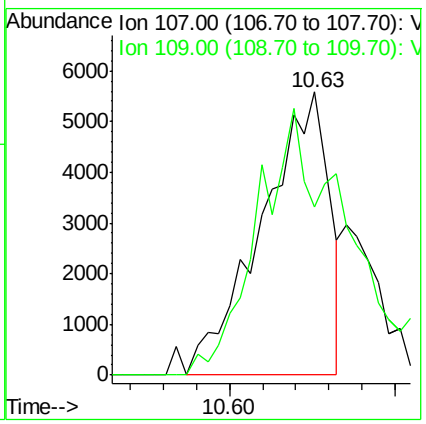


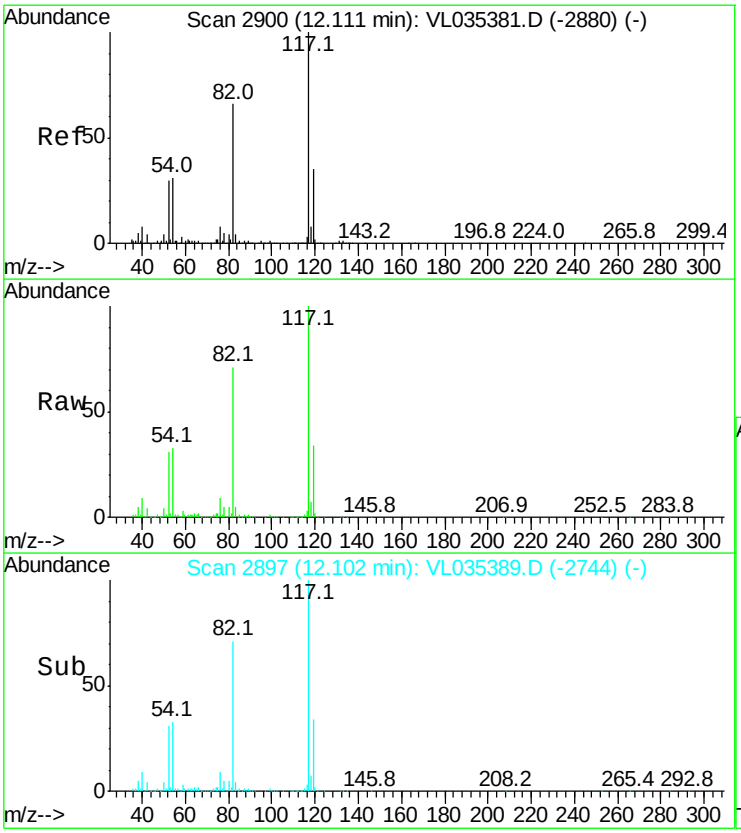
#54
1,2-Dibromoethane
Concen: 0.038 ppbv
RT: 10.63 min Scan# 2438
Delta R.T. -0.01 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:107 Resp: 7877

Ion	Ratio	Lower	Upper
107	100		
109	59.6	75.2	112.8#

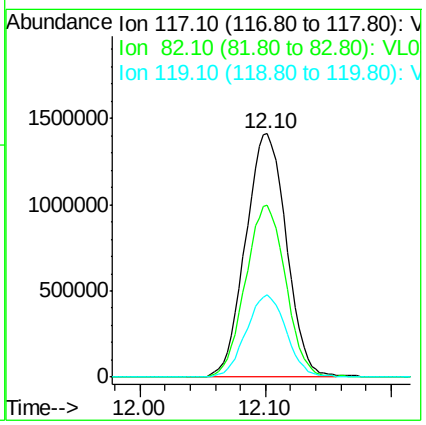


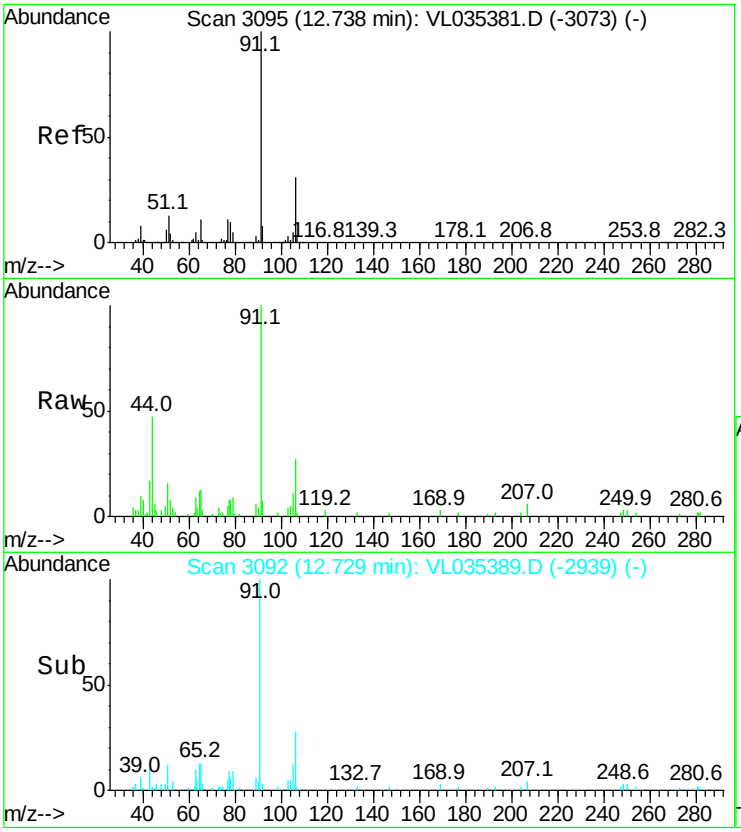


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Tgt Ion:117 Resp: 3201328

Ion	Ratio	Lower	Upper
117	100		
82	69.8	53.0	79.6
119	33.4	25.7	38.5



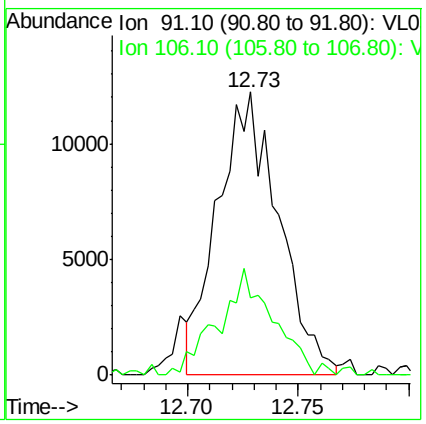


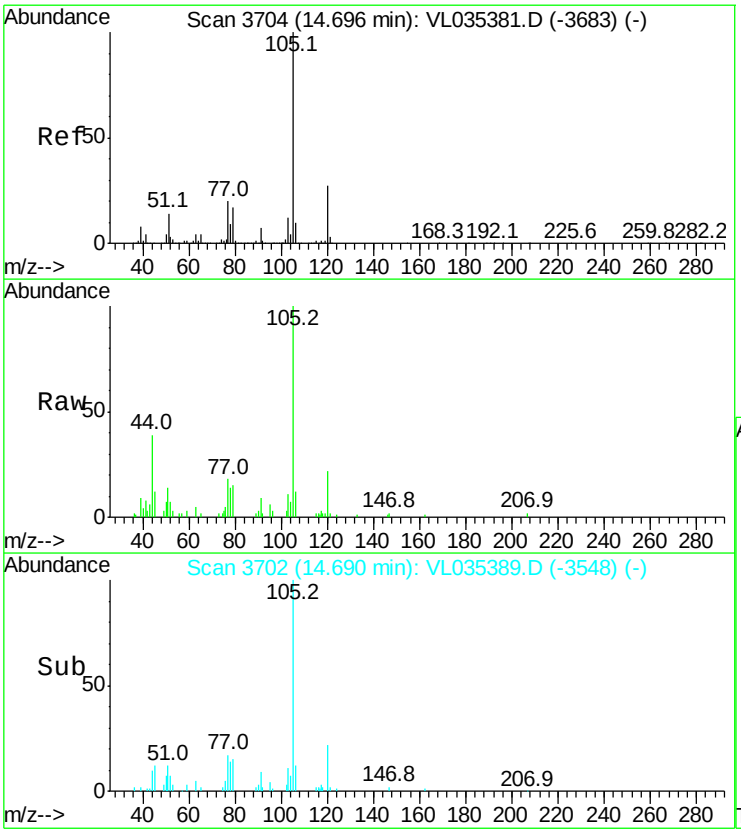
#58
Ethyl Benzene
Concen: 0.046 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. -0.01 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 23375

Ion	Ratio	Lower	Upper
91	100		
106	28.1	25.1	37.7

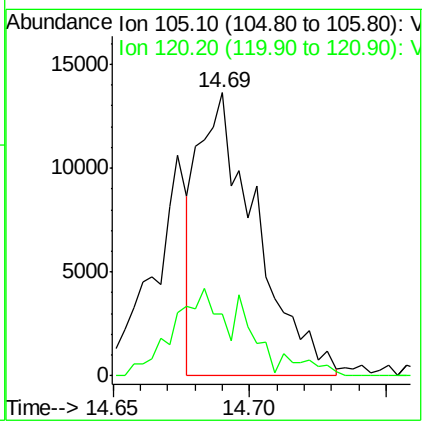


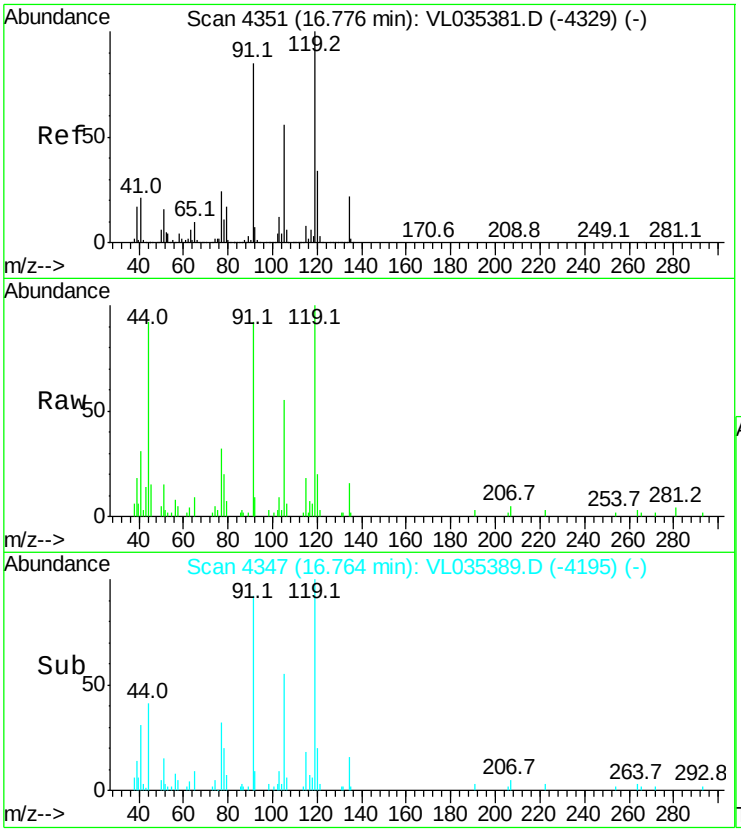


#62
Isopropylbenzene
Concen: 0.033 ppbv
RT: 14.69 min Scan# 3702
Delta R.T. -0.01 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Tgt Ion:105 Resp: 20147

Ion	Ratio	Lower	Upper
105	100		
120	39.1	21.1	31.7#



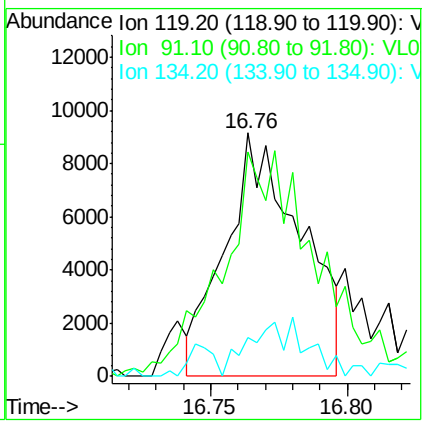


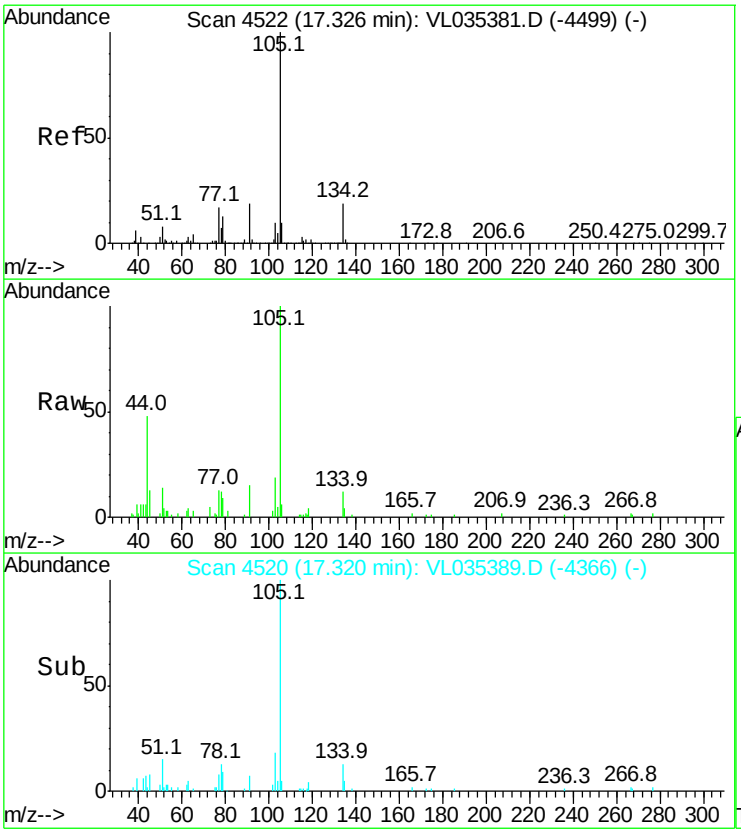
#65
tert-Butylbenzene
Concen: 0.033 ppbv
RT: 16.76 min Scan# 4347
Delta R.T. -0.01 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:119 Resp: 17582

Ion	Ratio	Lower	Upper
119	100		
91	129.8	68.2	102.4#
134	25.0	16.2	24.4#

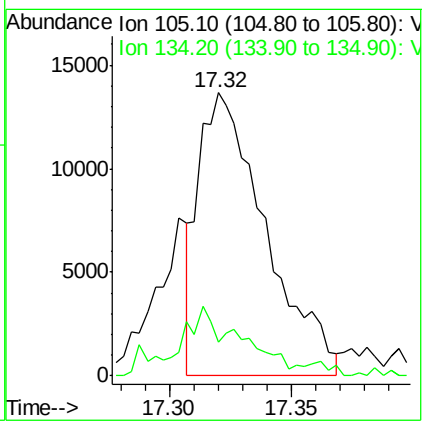


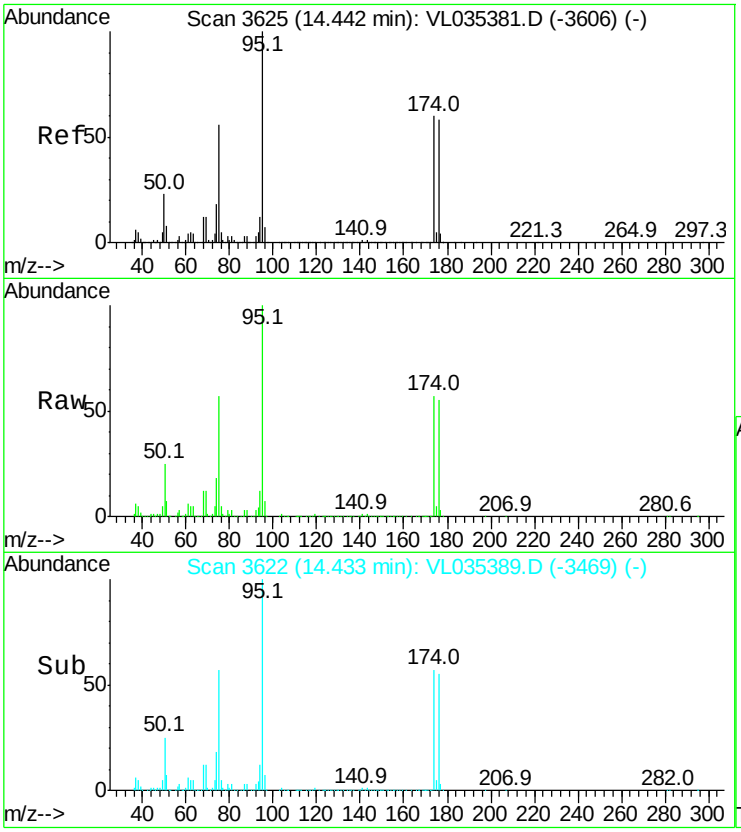


#67
sec-Butylbenzene
Concen: 0.033 ppbv
RT: 17.32 min Scan# 4520
Delta R.T. -0.01 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Tgt Ion:105 Resp: 25928

Ion	Ratio	Lower	Upper
105	100		
134	25.7	15.0	22.6#



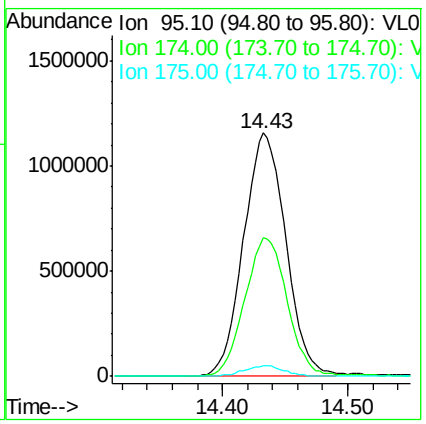


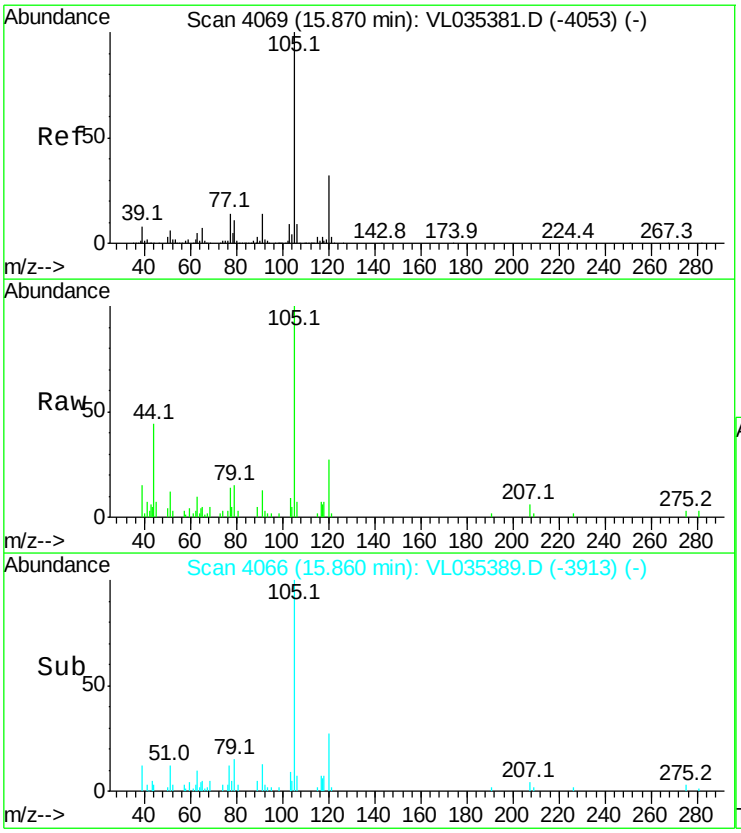
#68
1-Bromo-4-Fluorobenzene
Concen: 10.483 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 95 Resp: 2709127

Ion	Ratio	Lower	Upper
95	100		
174	57.9	48.2	72.2
175	4.3	3.7	5.5

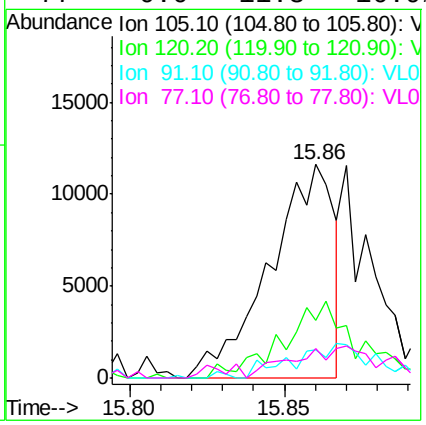


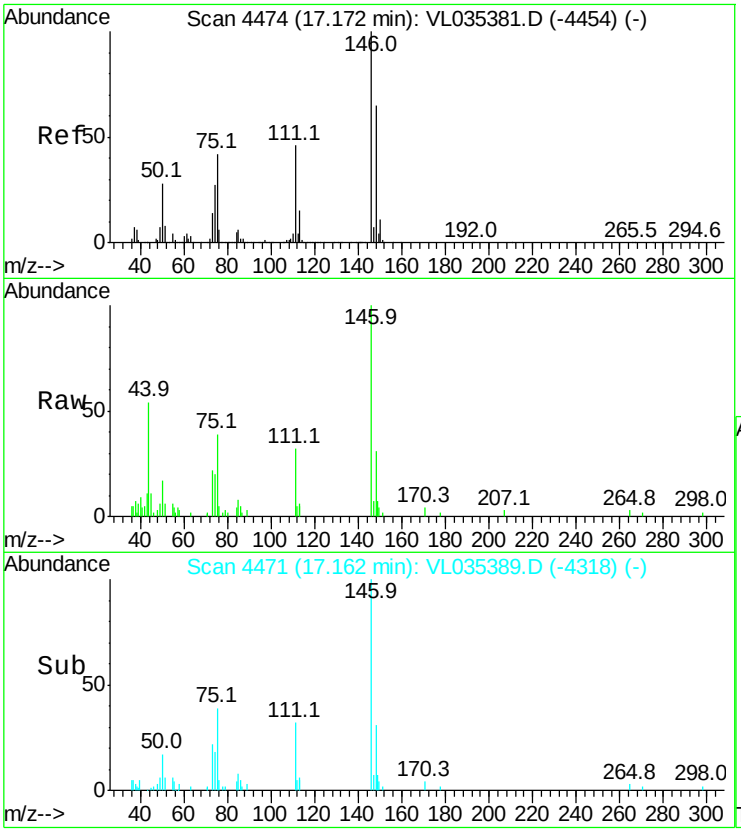


#72
4-Ethyltoluene
Concen: 0.034 ppbv
RT: 15.86 min Scan# 4066
Delta R.T. -0.01 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Tgt Ion:105 Resp: 16711

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.0	36.0#
91	0.0	10.4	15.6#
77	0.0	11.3	16.9#



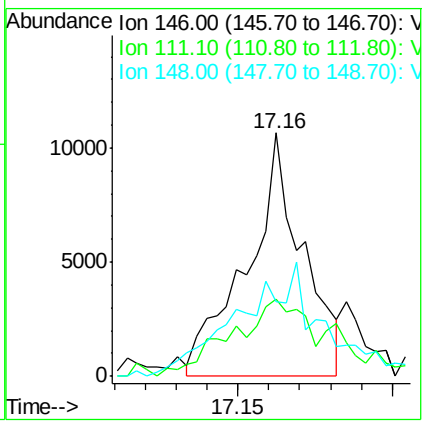


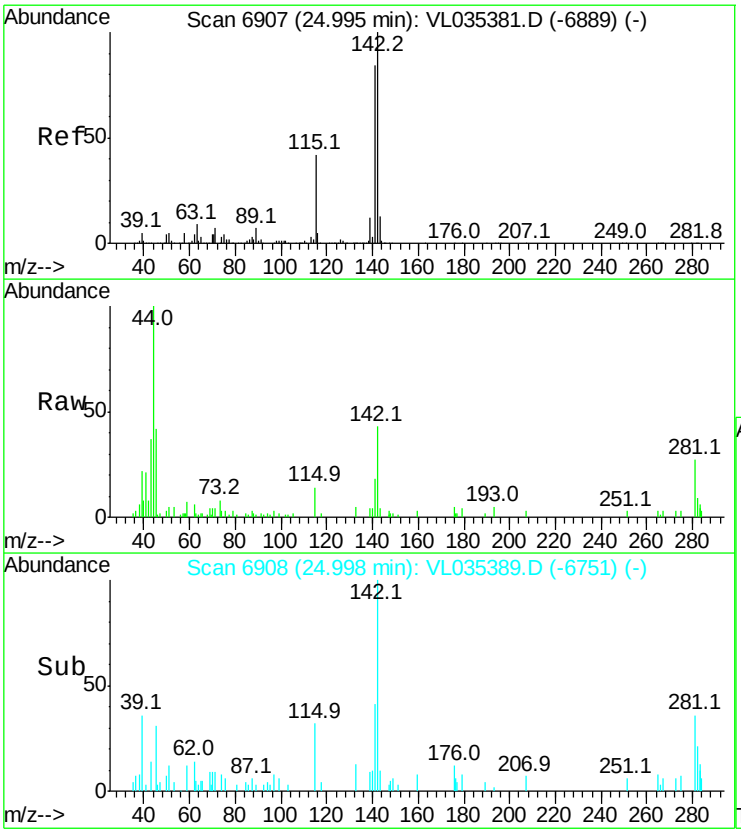
#76
1,4-Dichlorobenzene
Concen: 0.048 ppbv
RT: 17.16 min Scan# 4471
Delta R.T. -0.01 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:146 Resp: 13345

Ion	Ratio	Lower	Upper
146	100		
111	61.6	24.0	72.0
148	71.2	32.5	97.5





#80
Naphthalene,2-methyl-
Concen: 0.041 ppbv
RT: 25.00 min Scan# 6908
Delta R.T. 0.00 min
Lab File: VL035389.D
Acq: 12 Aug 2020 19:38

Tgt Ion:142 Resp: 11684

Ion	Ratio	Lower	Upper
142	100		
141	87.6	67.7	101.5
115	54.1	34.0	51.0#