Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012819\

Quantitation Report (Not Reviewed)

Data File : VL033119.D
Acq On : 28 Jan 2019 18:50
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Quant Time: Jan 28 19:44:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012819AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 28 16:32:44 2019
QLast Update : Mon Jan 28 16:32:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1138808	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3779127	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3515008	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	2575908	9.56	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	13520	0.064	ppbv #	81
3) Chlorodifluoromethane	3.01	51	8356	0.065	ppbv	91
4) Chloromethane	3.17	50	2972	0.040	ppbv #	74
5) Vinyl Chloride	3.29	62	4189	0.056	ppbv #	78
6) Bromomethane	3.51	94	1624	0.032	ppbv	87
8) Dichlorotetrafluoroethane	3.22	85	10677	0.058	ppbv	95
9) Propene	3.04	41	2336	0.049	ppbv #	59
11) Trichlorofluoromethane	4.01	101	12477	0.053	ppbv	87
12) 1,1,2-Trichlorotrifluoroet	4.55	101	6929	0.047	ppbv	91
15) Acetone	3.93	43	18692	0.119	ppbv #	86
20) Methylene Chloride	4.41	84	11848	0.180	ppbv #	93
21) Allyl Chloride	4.47	41	3738	0.038	ppbv #	73
24) 1,1-Dichloroethane	5.09	63	8379	0.049	ppbv	98
29) Chloroform	5.84	83	10226	0.048	ppbv	91
32) 1,1,1-Trichloroethane	6.62	97	7928	0.037	ppbv #	33
37) 1,2-Dichloroethane	6.41	62	9188	0.043	ppbv #	83
39) 1,2-Dichloropropane	7.28	63	941302	8.094	ppbv #	24
42) Bromodichloromethane	7.91	83	9374	0.032	ppbv #	72

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

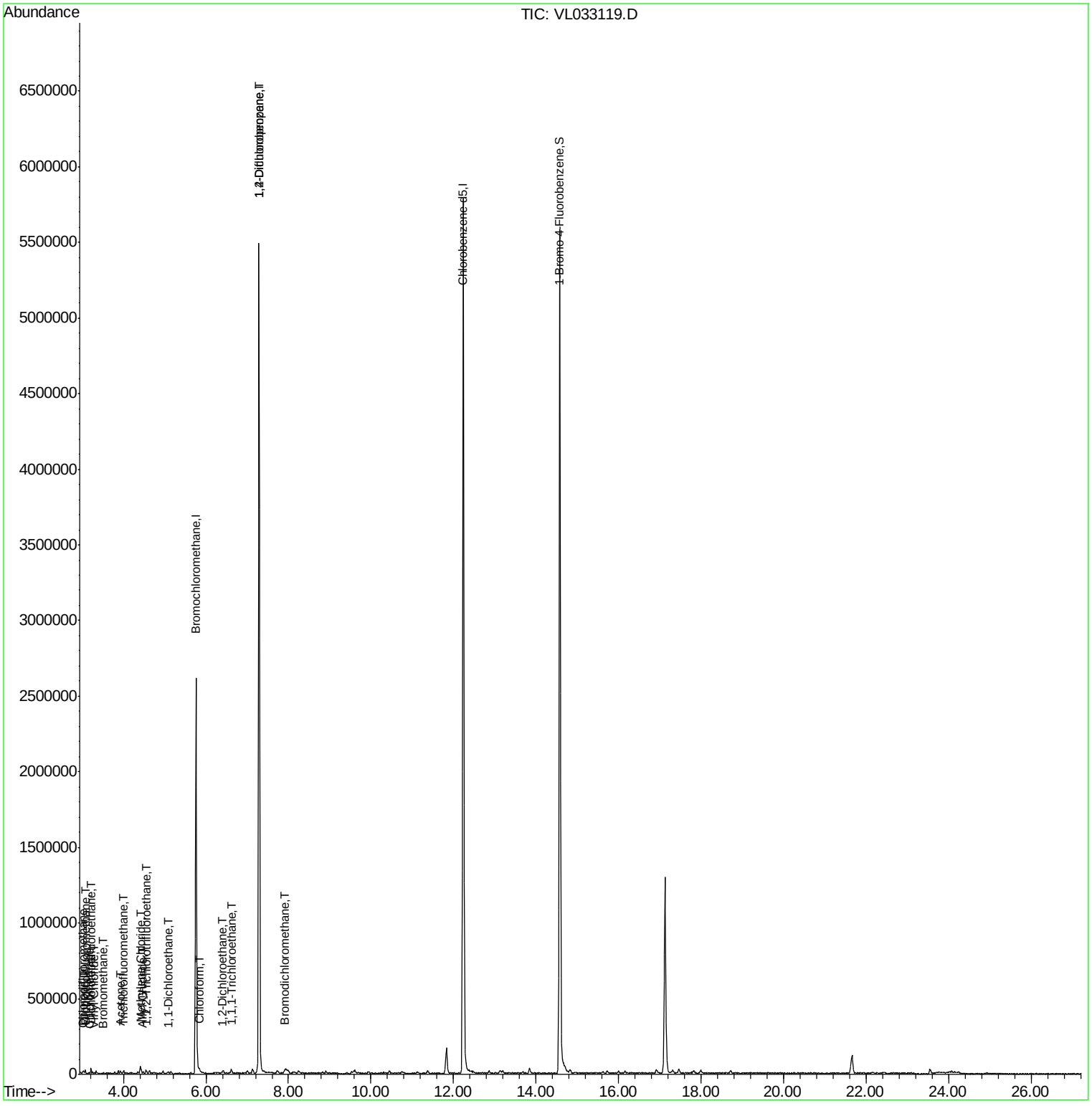
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012819\

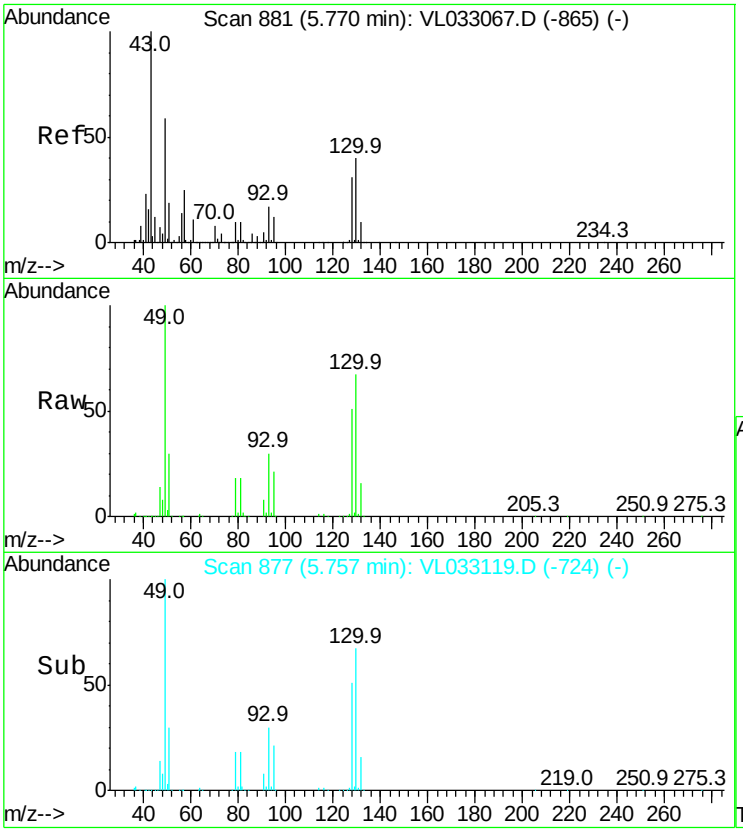
Quantitation Report (Not Reviewed)

Data File : VL033119.D
Acq On : 28 Jan 2019 18:50
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Quant Time: Jan 28 19:44:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012819AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 28 16:32:44 2019
QLast Update : Mon Jan 28 16:32:44 2019
Response via : Initial Calibration



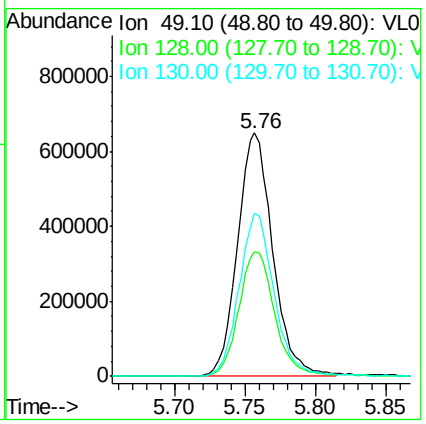


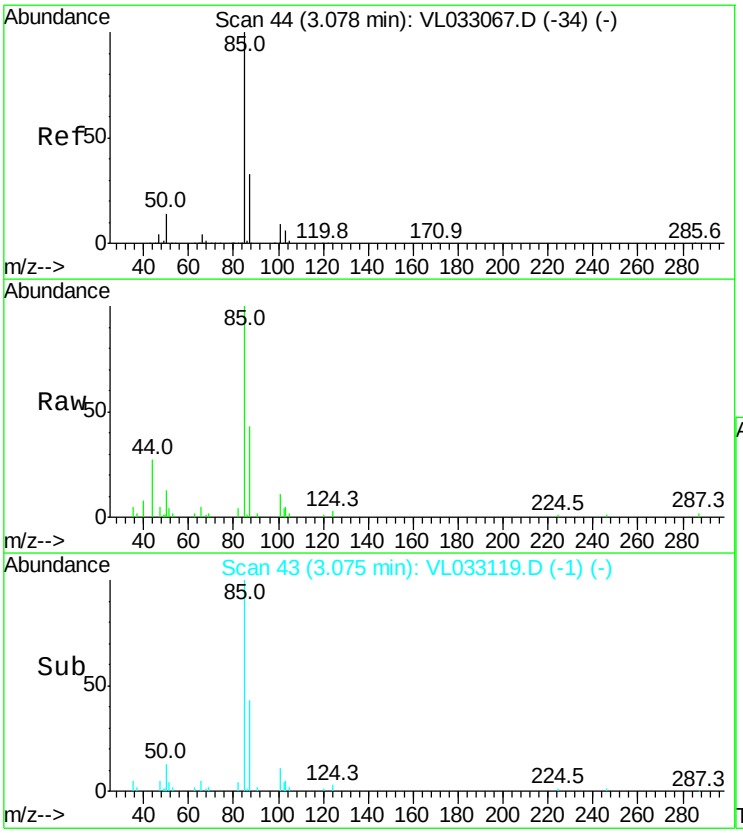
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 49 Resp: 1138808

Ion	Ratio	Lower	Upper
49	100		
128	52.7	25.9	77.7
130	67.6	32.9	98.7

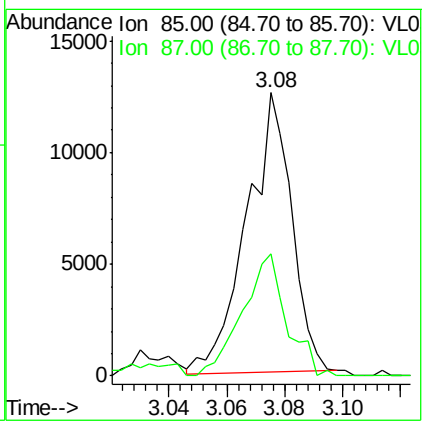


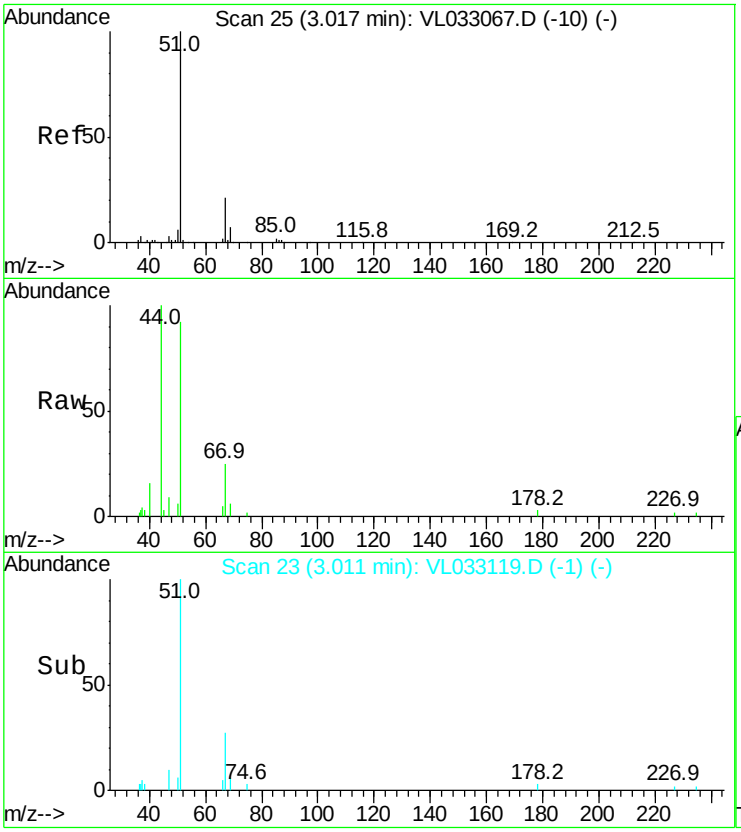


#2
Dichlorodifluoromethane
Concen: 0.064 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Tgt Ion: 85 Resp: 13520

Ion	Ratio	Lower	Upper
85	100		
87	44.0	26.4	39.6#



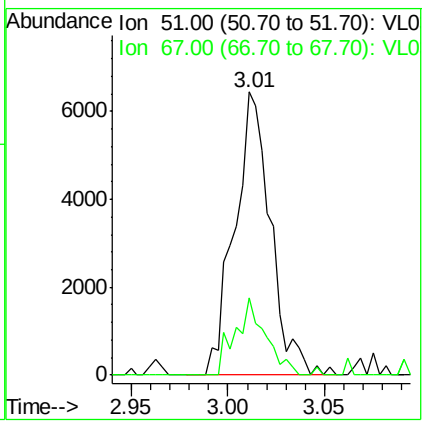


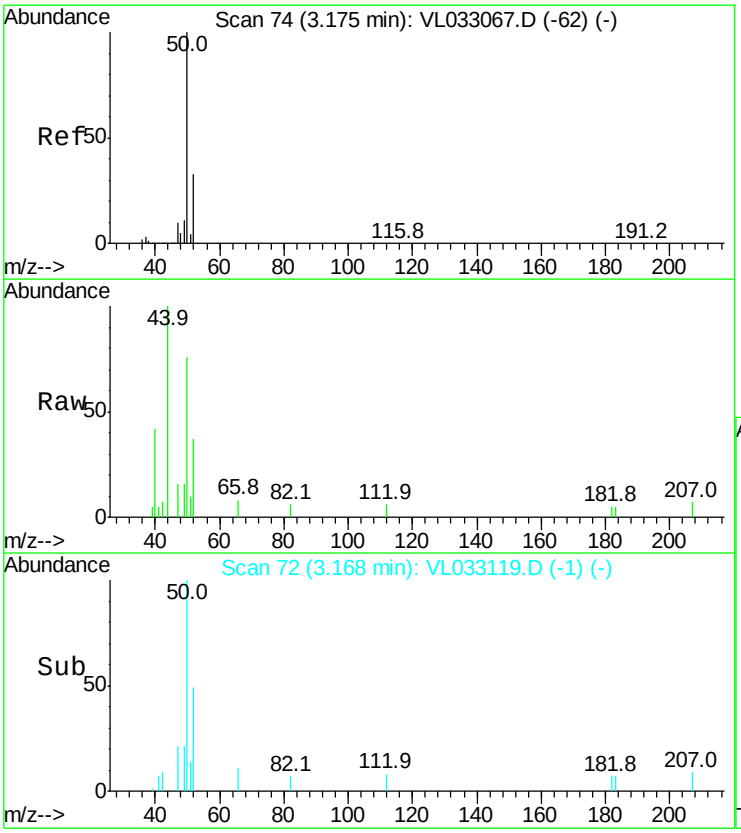
#3
Chlorodifluoromethane
Concen: 0.065 ppbv
RT: 3.01 min Scan# 23
Delta R.T. -0.00 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 51 Resp: 8356

Ion	Ratio	Lower	Upper
51	100		
67	24.2	16.2	24.2

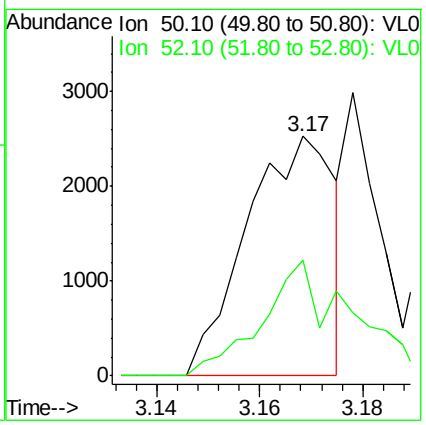


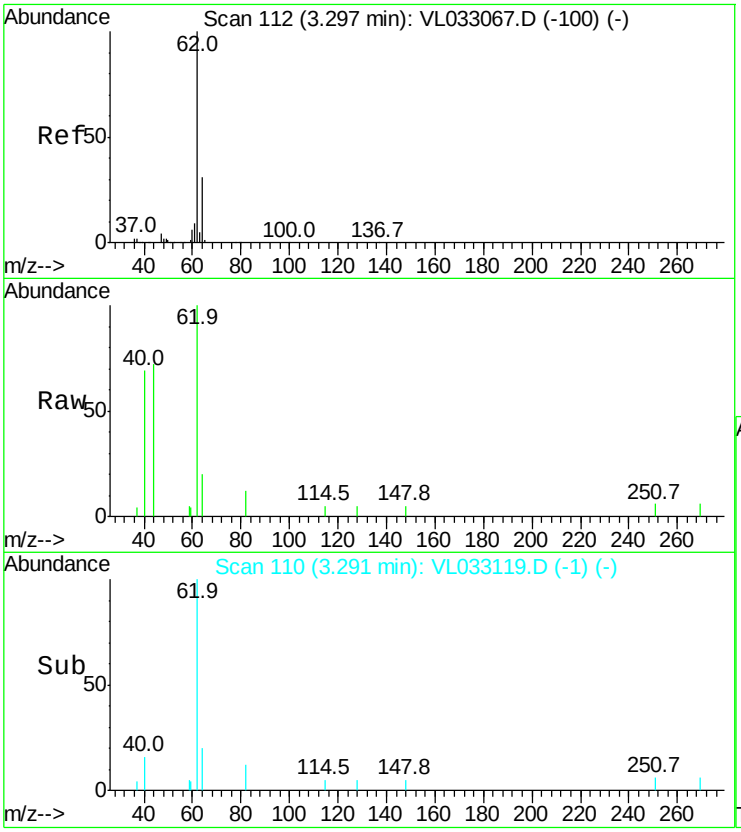


#4
Chloromethane
Concen: 0.040 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Tgt Ion: 50 Resp: 2972

Ion	Ratio	Lower	Upper
50	100		
52	48.5	27.0	40.4#



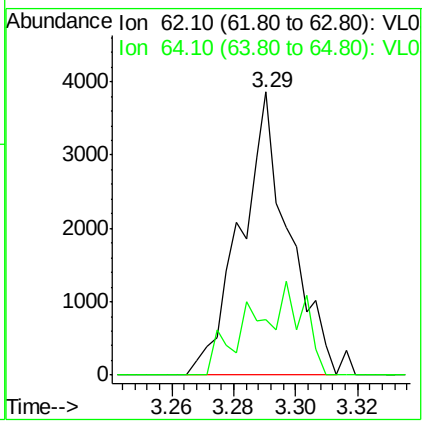


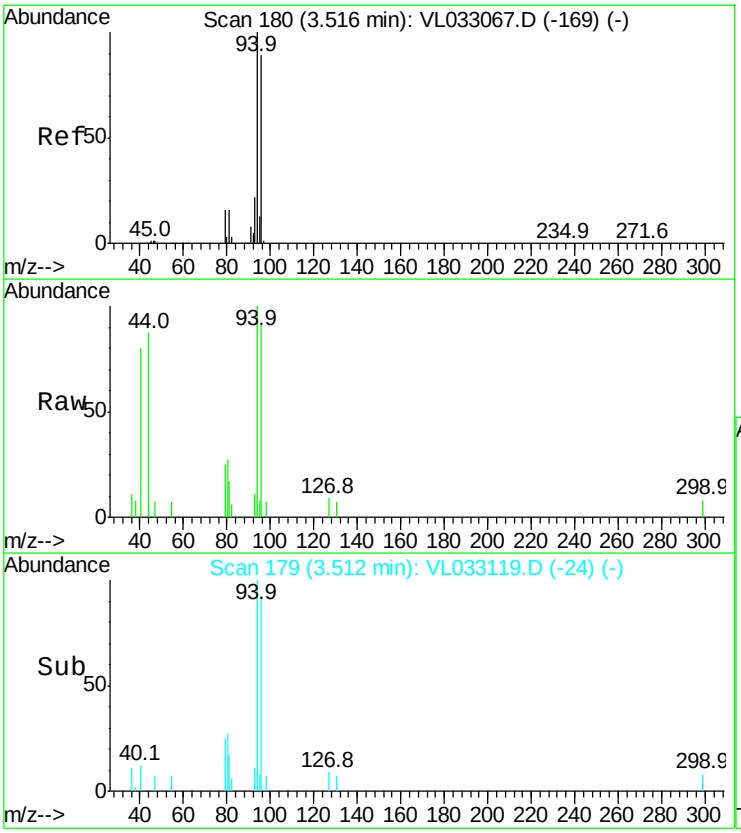
#5
Vinyl Chloride
Concen: 0.056 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 62 Resp: 4189

Ion	Ratio	Lower	Upper
62	100		
64	19.8	25.7	38.5#

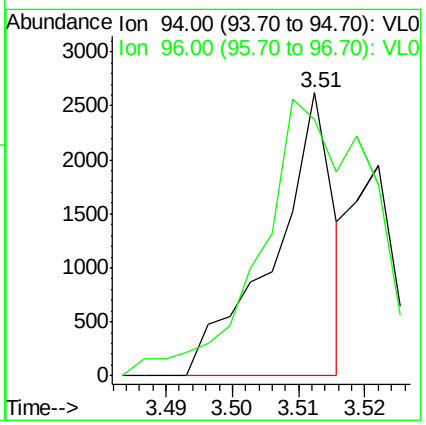


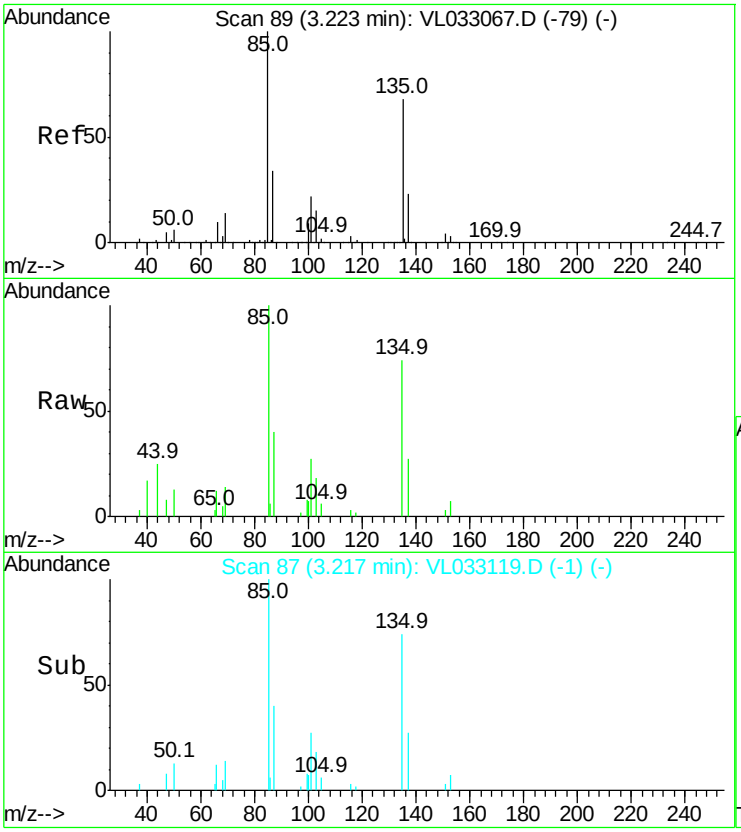


#6
Bromomethane
Concen: 0.032 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Tgt Ion: 94 Resp: 1624

Ion	Ratio	Lower	Upper
94	100		
96	82.1	75.4	113.2



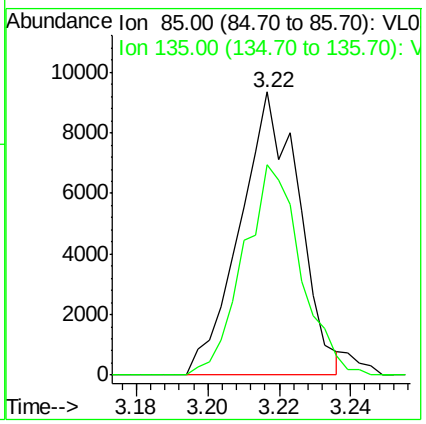


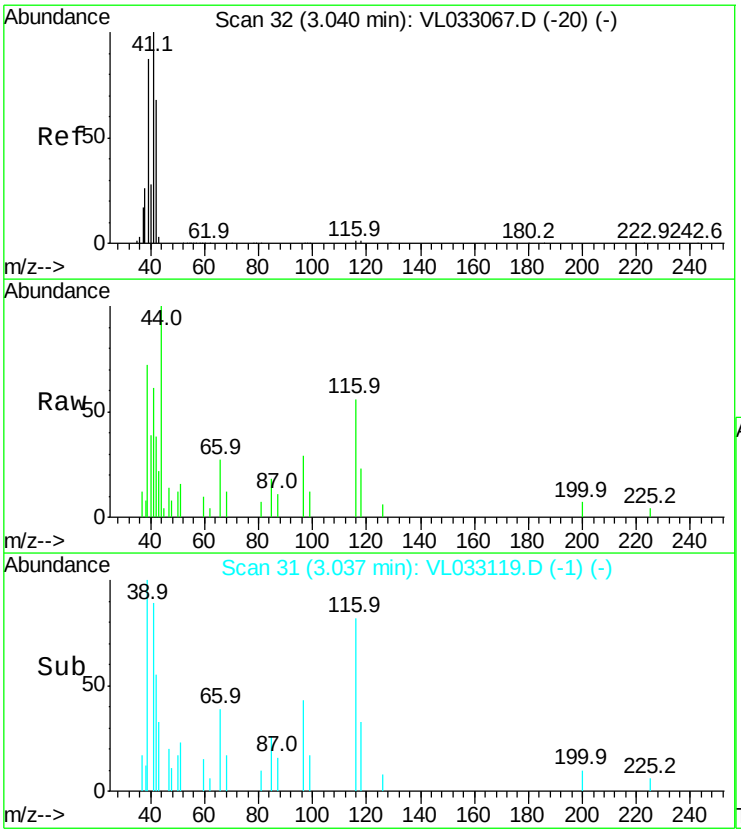
#8
Dichlorotetrafluoroethane
Concen: 0.058 ppbv
RT: 3.22 min Scan# 87
Delta R.T. -0.00 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 85 Resp: 10677

Ion	Ratio	Lower	Upper
85	100		
135	72.2	54.8	82.2

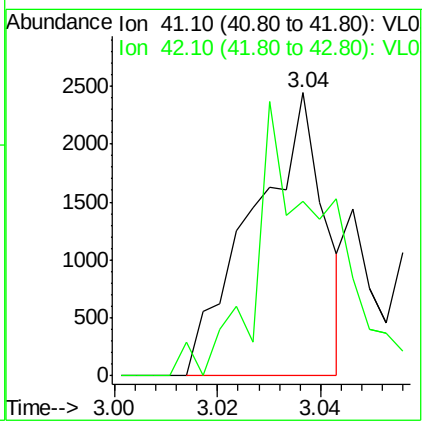


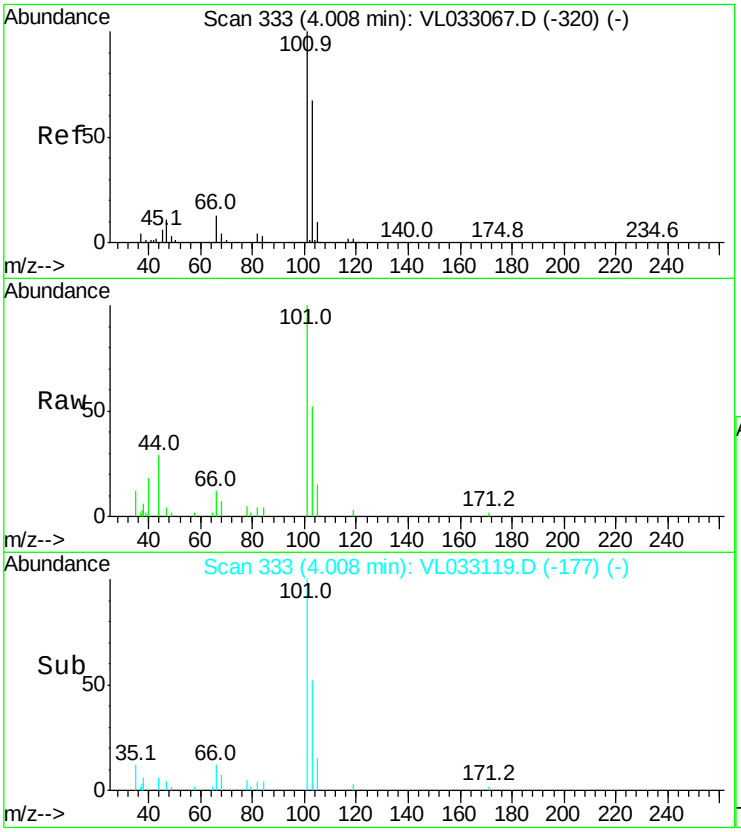


#9
Propene
Concen: 0.049 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Tgt Ion: 41 Resp: 2336

Ion	Ratio	Lower	Upper
41	100		
42	101.6	54.6	82.0#



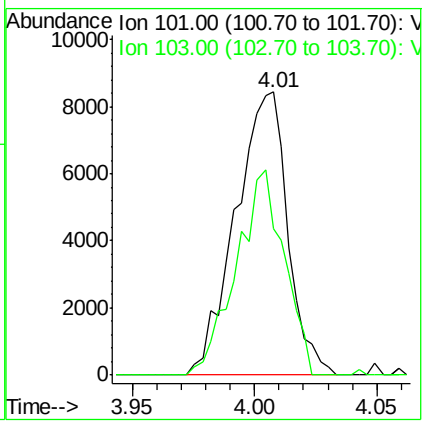


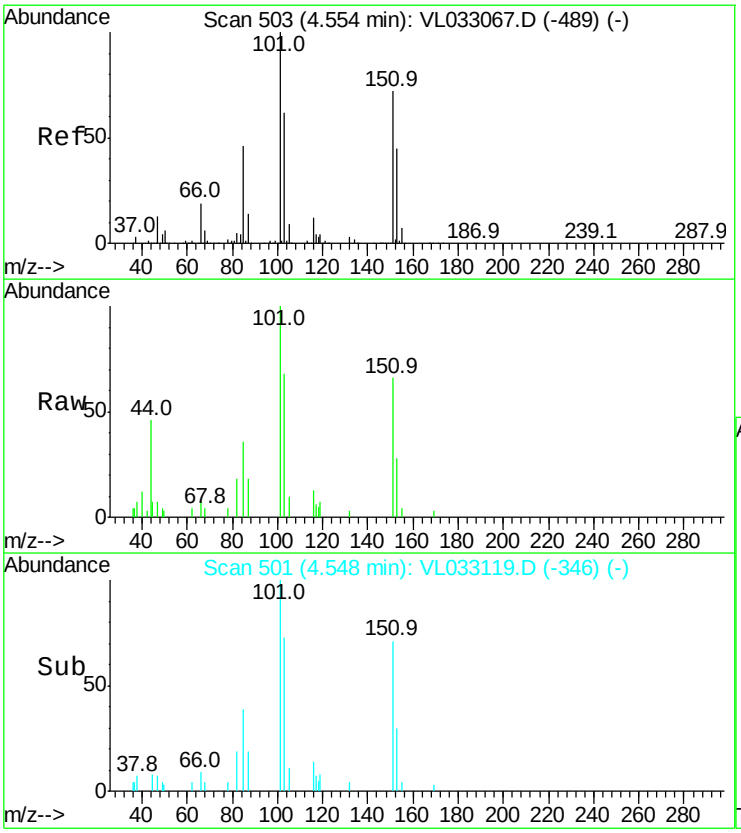
#11
Trichlorofluoromethane
Concen: 0.053 ppbv
RT: 4.01 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:101 Resp: 12477

Ion	Ratio	Lower	Upper
101	100		
103	51.7	49.4	74.0

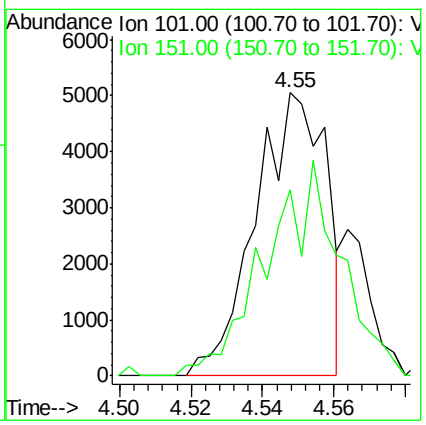


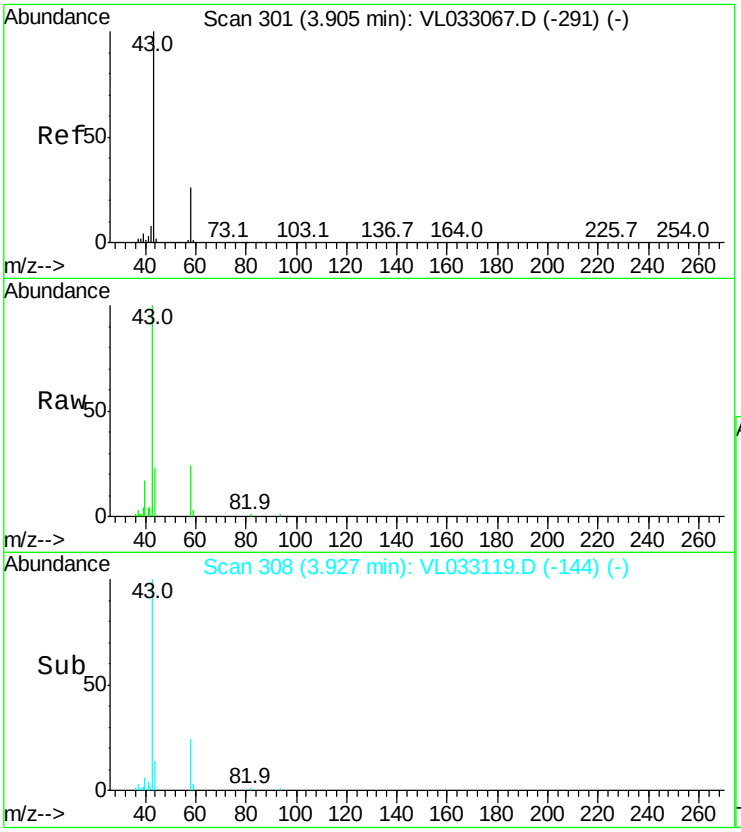


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.047 ppbv
RT: 4.55 min Scan# 501
Delta R.T. -0.00 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Tgt Ion:101 Resp: 6929

Ion	Ratio	Lower	Upper
101	100		
151	80.1	57.9	86.9



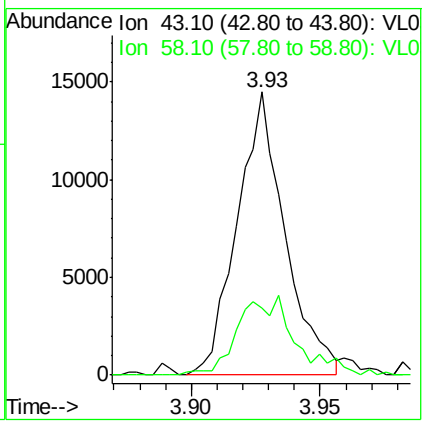


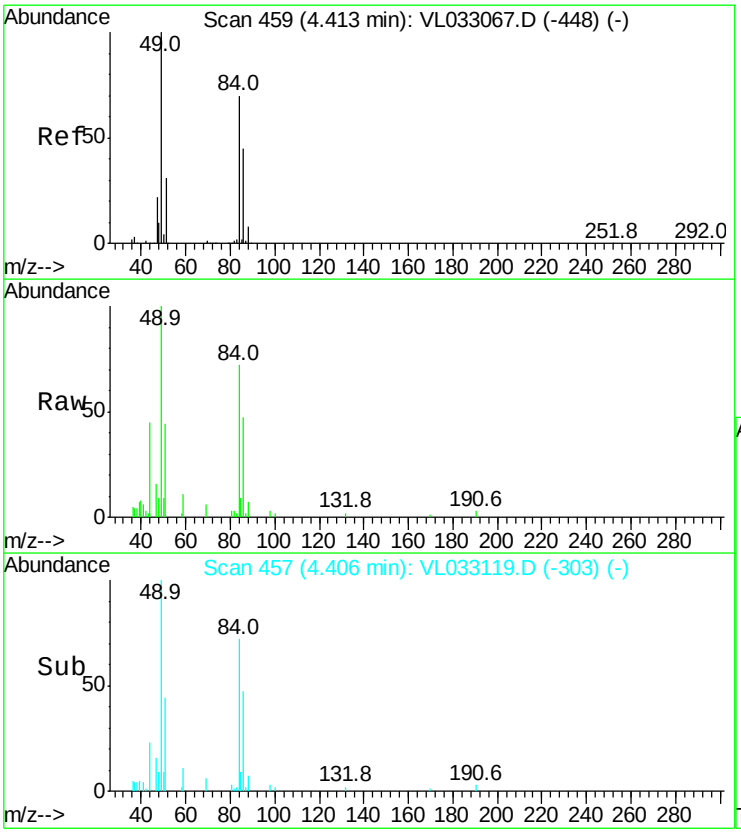
#15
Acetone
Concen: 0.119 ppbv
RT: 3.93 min Scan# 308
Delta R.T. 0.03 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 43 Resp: 18692

Ion	Ratio	Lower	Upper
43	100		
58	33.5	21.1	31.7#

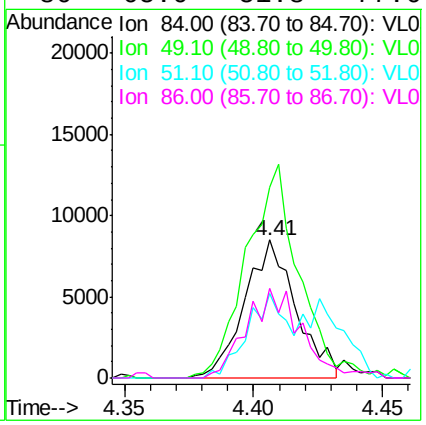


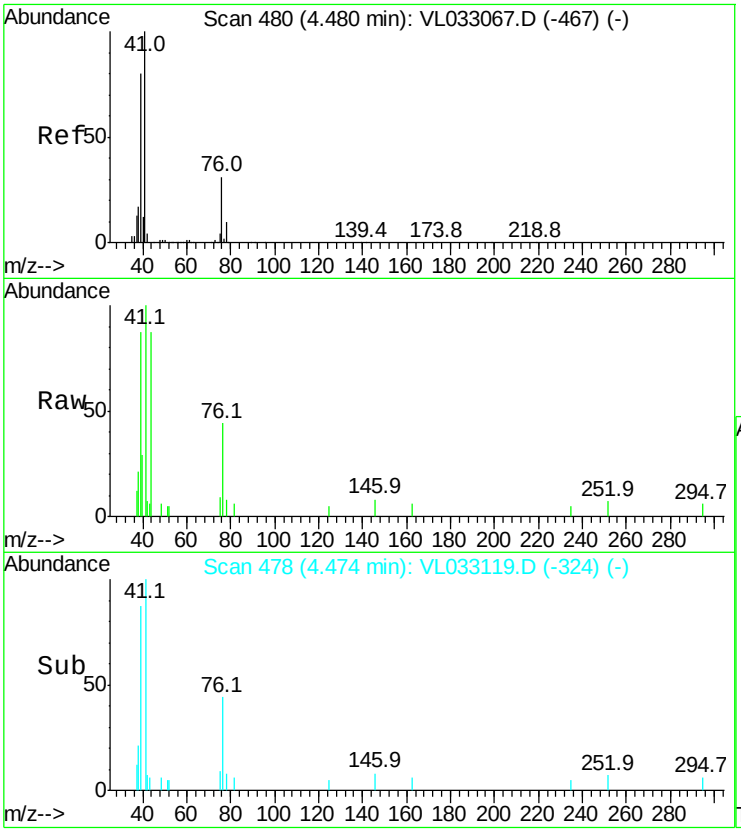


#20
Methylene Chloride
Concen: 0.180 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Tgt Ion: 84 Resp: 11848

Ion	Ratio	Lower	Upper
84	100		
49	138.5	113.8	170.6
51	61.6	34.5	51.7#
86	65.0	51.8	77.6



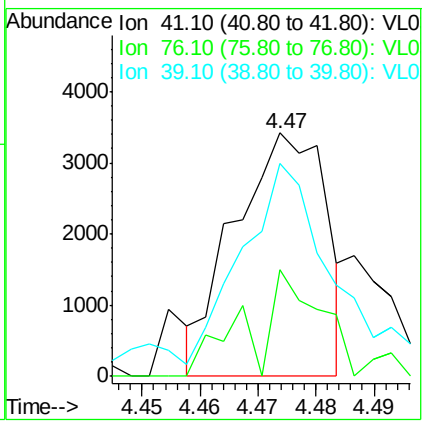


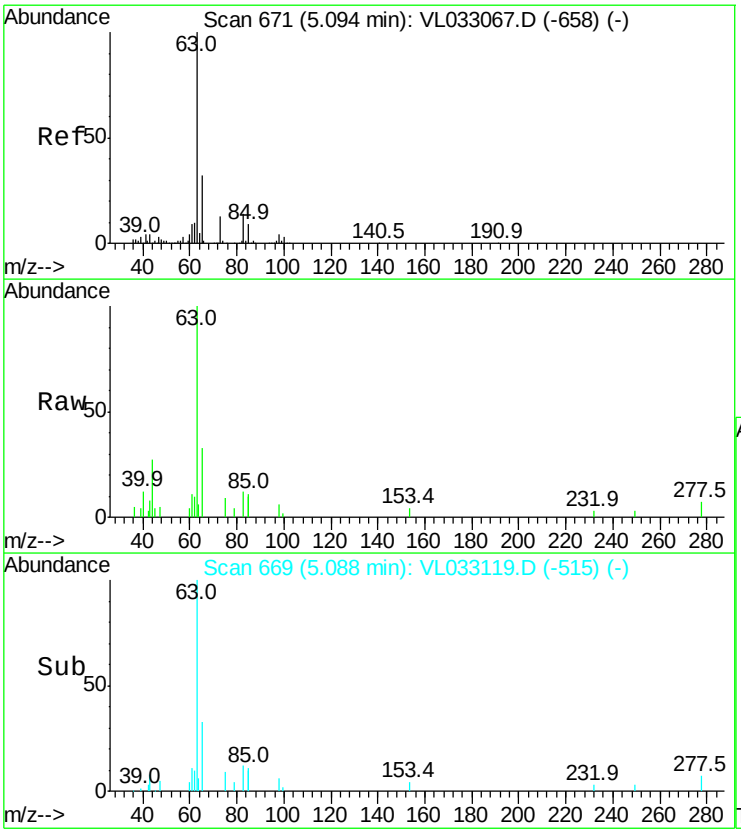
#21
Allyl Chloride
Concen: 0.038 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 41 Resp: 3738

Ion	Ratio	Lower	Upper
41	100		
76	36.2	24.6	37.0
39	108.2	63.3	94.9#

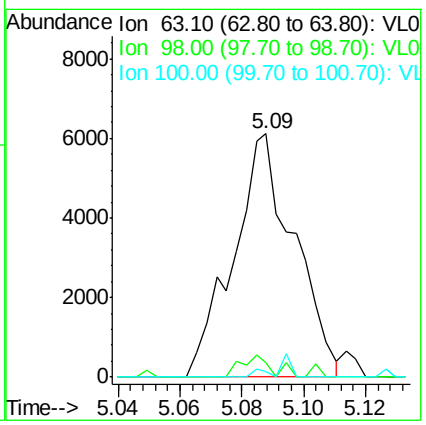


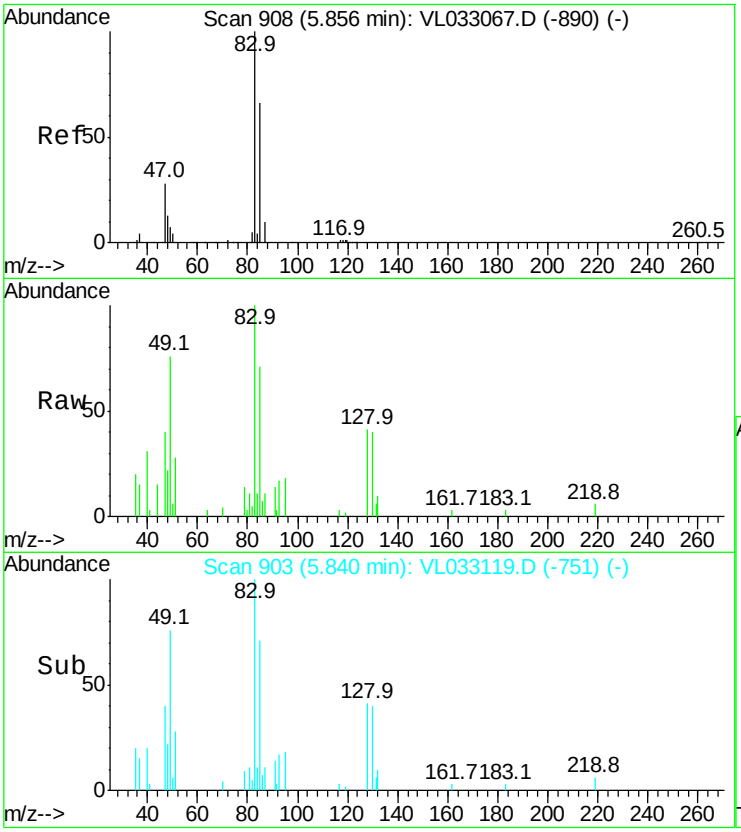


#24
1,1-Dichloroethane
Concen: 0.049 ppbv
RT: 5.09 min Scan# 669
Delta R.T. -0.00 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Tgt Ion: 63 Resp: 8379

Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.5	7.4
100	2.4	1.4	4.2



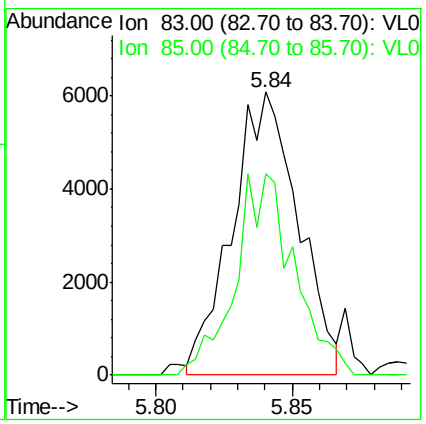


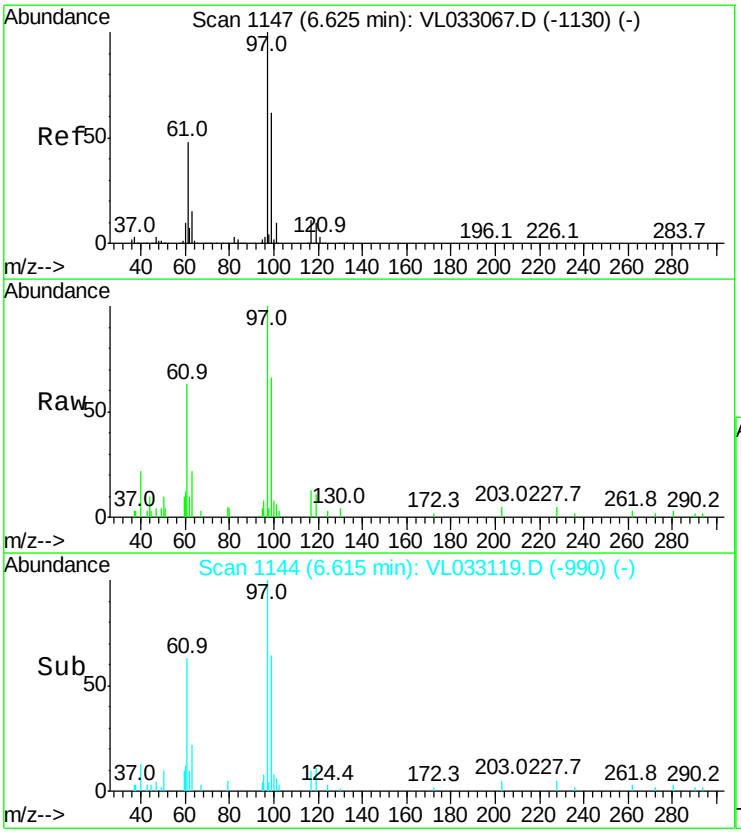
#29
Chloroform
Concen: 0.048 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 83 Resp: 10226

Ion	Ratio	Lower	Upper
83	100		
85	69.8	50.4	75.6

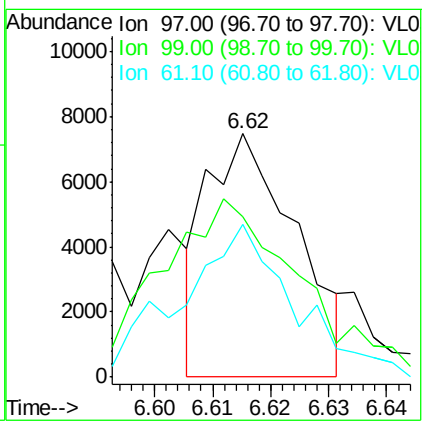


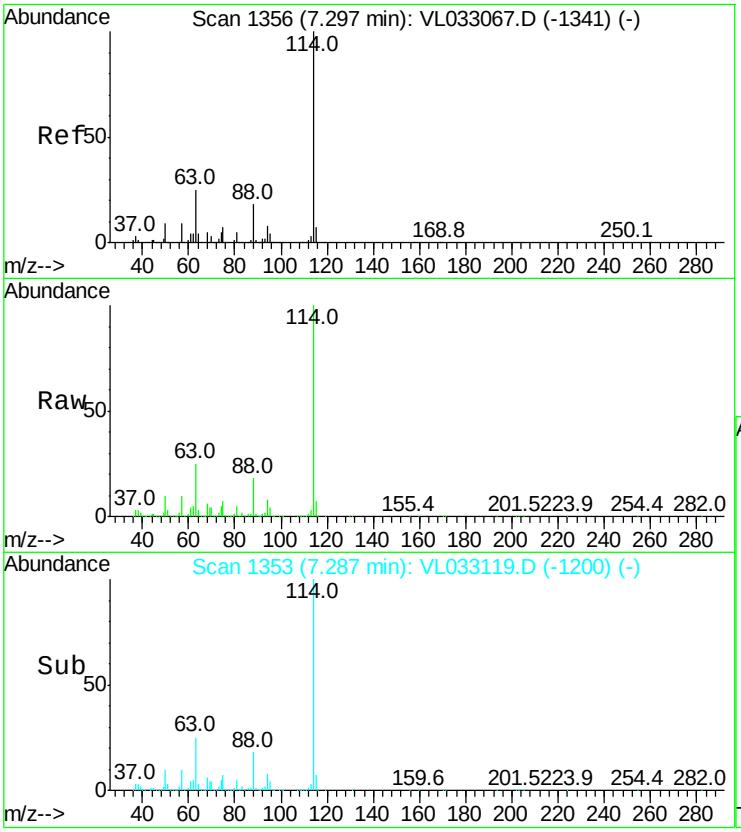


#32
1,1,1-Trichloroethane
Concen: 0.037 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Tgt Ion: 97 Resp: 7928

Ion	Ratio	Lower	Upper
97	100		
99	122.7	51.7	77.5#
61	87.2	38.6	57.8#



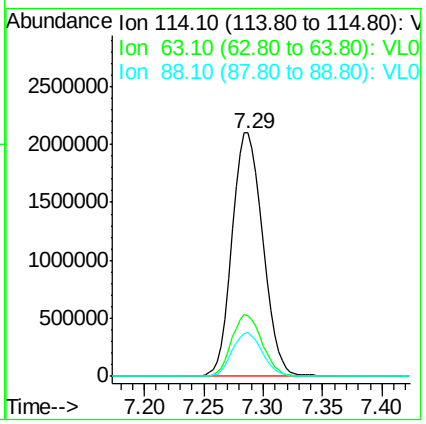


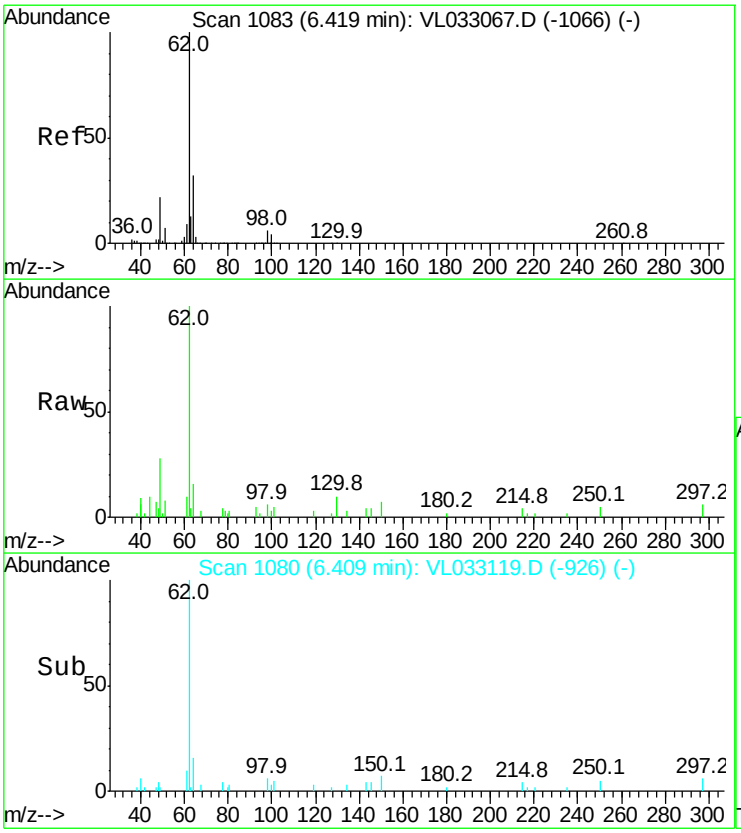
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:114 Resp: 3779127

Ion	Ratio	Lower	Upper
114	100		
63	25.1	19.8	29.8
88	17.7	14.2	21.2

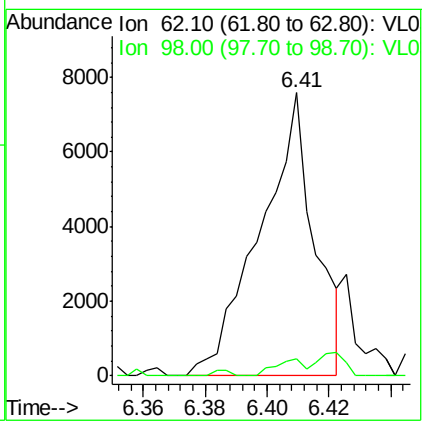


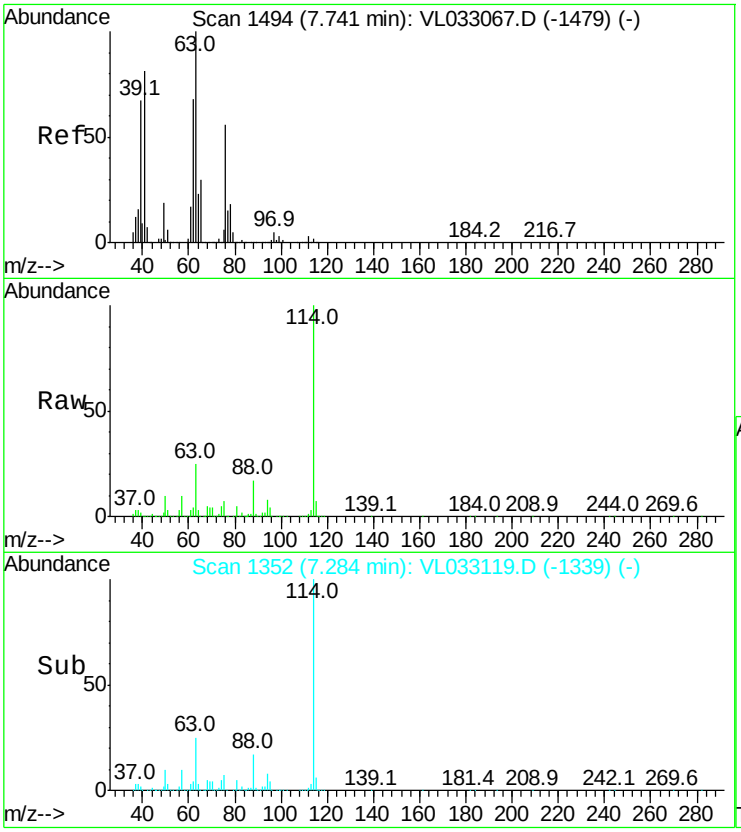


#37
1,2-Dichloroethane
Concen: 0.043 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Tgt Ion: 62 Resp: 9188

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.6	7.0#



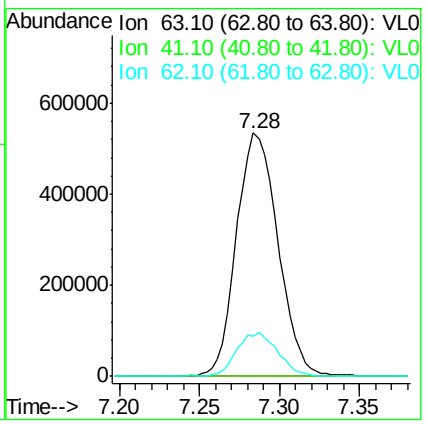


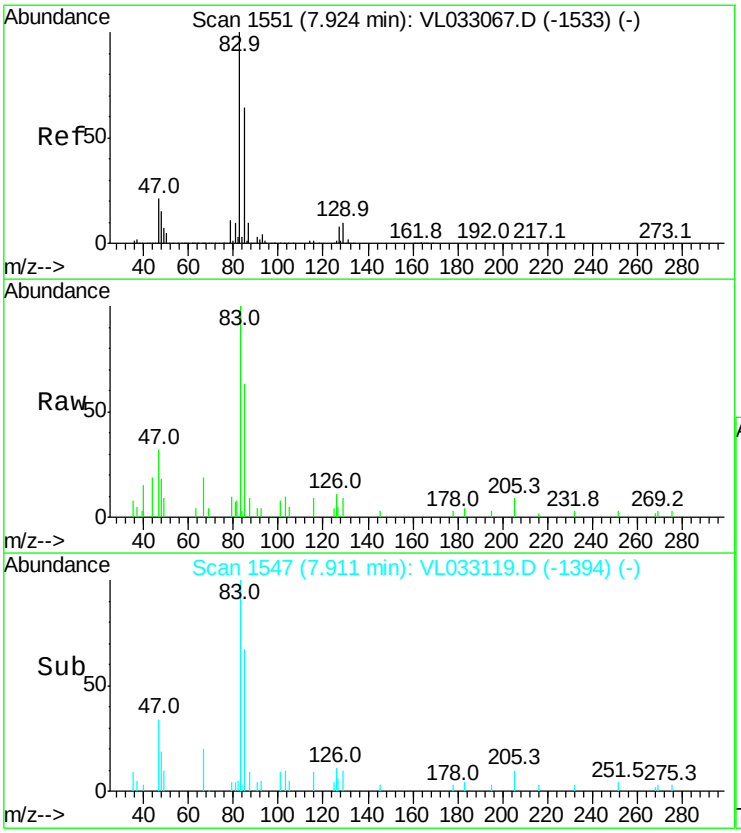
#39
1,2-Dichloropropane
Concen: 8.094 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.46 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 63 Resp: 941302

Ion	Ratio	Lower	Upper
63	100		
41	0.0	57.8	86.8#
62	16.3	54.6	82.0#

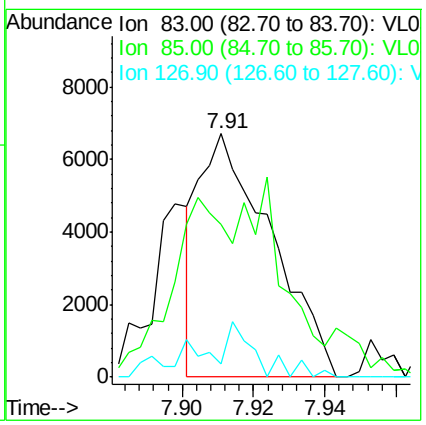


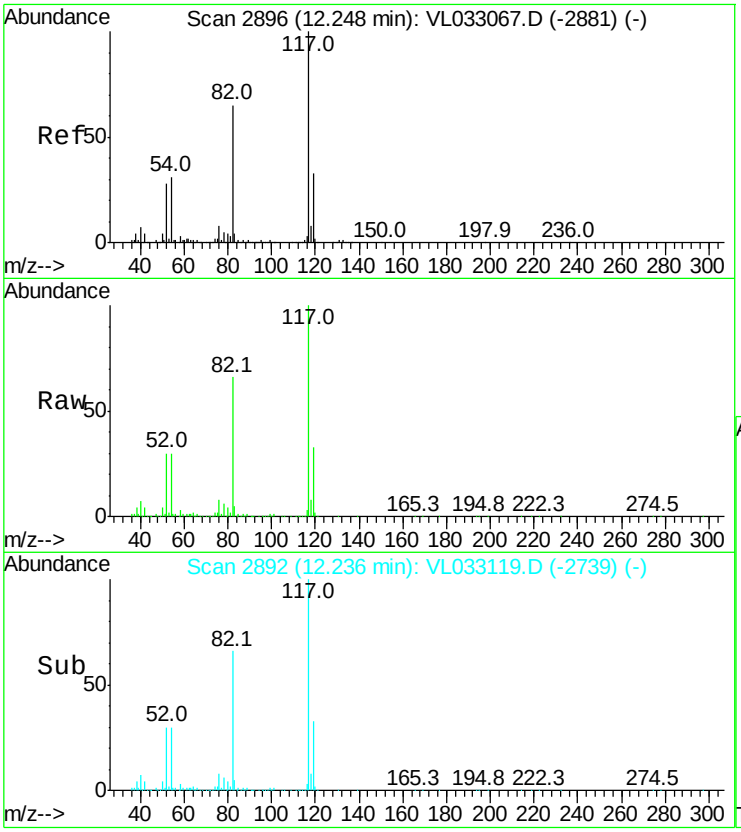


#42
Bromodichloromethane
Concen: 0.032 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Tgt Ion: 83 Resp: 9374

Ion	Ratio	Lower	Upper
83	100		
85	41.7	52.9	79.3#
127	5.3	6.7	10.1#



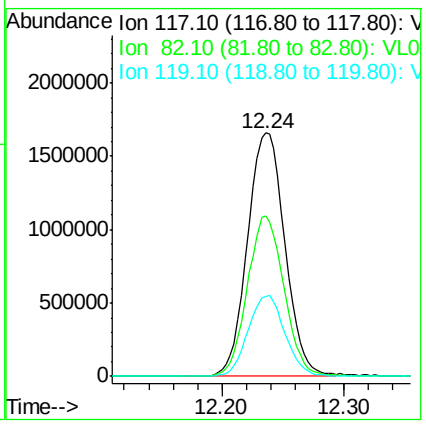


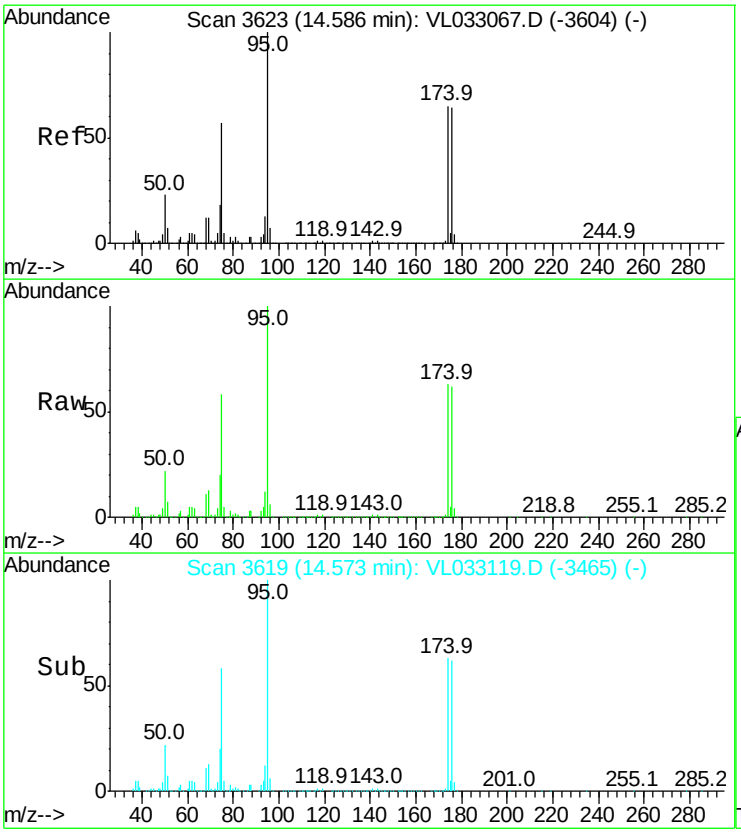
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion:117 Resp: 3515008

Ion	Ratio	Lower	Upper
117	100		
82	64.9	48.3	72.5
119	32.9	25.9	38.9





#68
1-Bromo-4-Fluorobenzene
Concen: 9.560 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL033119.D
Acq: 28 Jan 2019 18:50

Tgt Ion: 95 Resp: 2575908

Ion	Ratio	Lower	Upper
95	100		
174	64.0	51.4	77.2
175	4.8	4.0	6.0