Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111820\
Data File : VL035983.D
Acq On : 18 Nov 2020 21:26
Operator : SY/AP
Sample : L4781-02DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Quant Time: Nov 19 08:12:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	1122687	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	3912878	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.04	117	3556760	10.00	ppbv	-0.05
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	2661341	10.53	ppbv	-0.05
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	55238	0.261	ppbv	94
3) Chlorodifluoromethane	2.96	51	67636	0.503	ppbv #	86
4) Chloromethane	3.11	50	32472	0.497	ppbv	97
9) Propene	2.99	41	40468	0.822	ppbv	90
11) Trichlorofluoromethane	3.92	101	67894	0.256	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.45	101	8898	0.045	ppbv #	37
13) Ethanol	3.57	45	441336	41.341	ppbv	100
15) Acetone	3.82	43	570757	4.755	ppbv	95
16) 1,3-Butadiene	3.30	39	2198	0.043	ppbv #	1
19) Isopropyl Alcohol	3.94	45	89069	1.208	ppbv #	67
20) Methylene Chloride	4.31	84	1557600	18.434	ppbv	99
23) Vinyl Acetate	5.03	43	6640	0.039	ppbv #	8
25) Ethyl Acetate	5.65	43	551689	2.333	ppbv #	73
26) Hexane	5.65	57	921501	7.067	ppbv #	47
34) 2-Butanone	5.21	43	9496	0.075	ppbv #	24
35) Carbon Tetrachloride	6.97	117	13943	0.067	ppbv	94
36) Benzene	6.85	78	56712	0.195	ppbv	99
39) 1,2-Dichloropropane	7.13	63	803927	8.209	ppbv #	30
41) Tetrahydrofuran	5.65	42	294185	4.078	ppbv #	38
44) 2,2,4-Trimethylpentane	7.83	57	19243	0.050	ppbv #	36
52) Tetrachloroethene	11.18	164	8312	0.060	ppbv	86
53) Toluene	9.76	91	764436	2.178	ppbv	97
59) m/p-Xylene	12.94	91	16309	0.044	ppbv #	28
60) o-Xylene	13.65	91	16181	0.045	ppbv	95
76) 1,4-Dichlorobenzene	17.10	146	10134	0.039	ppbv #	16

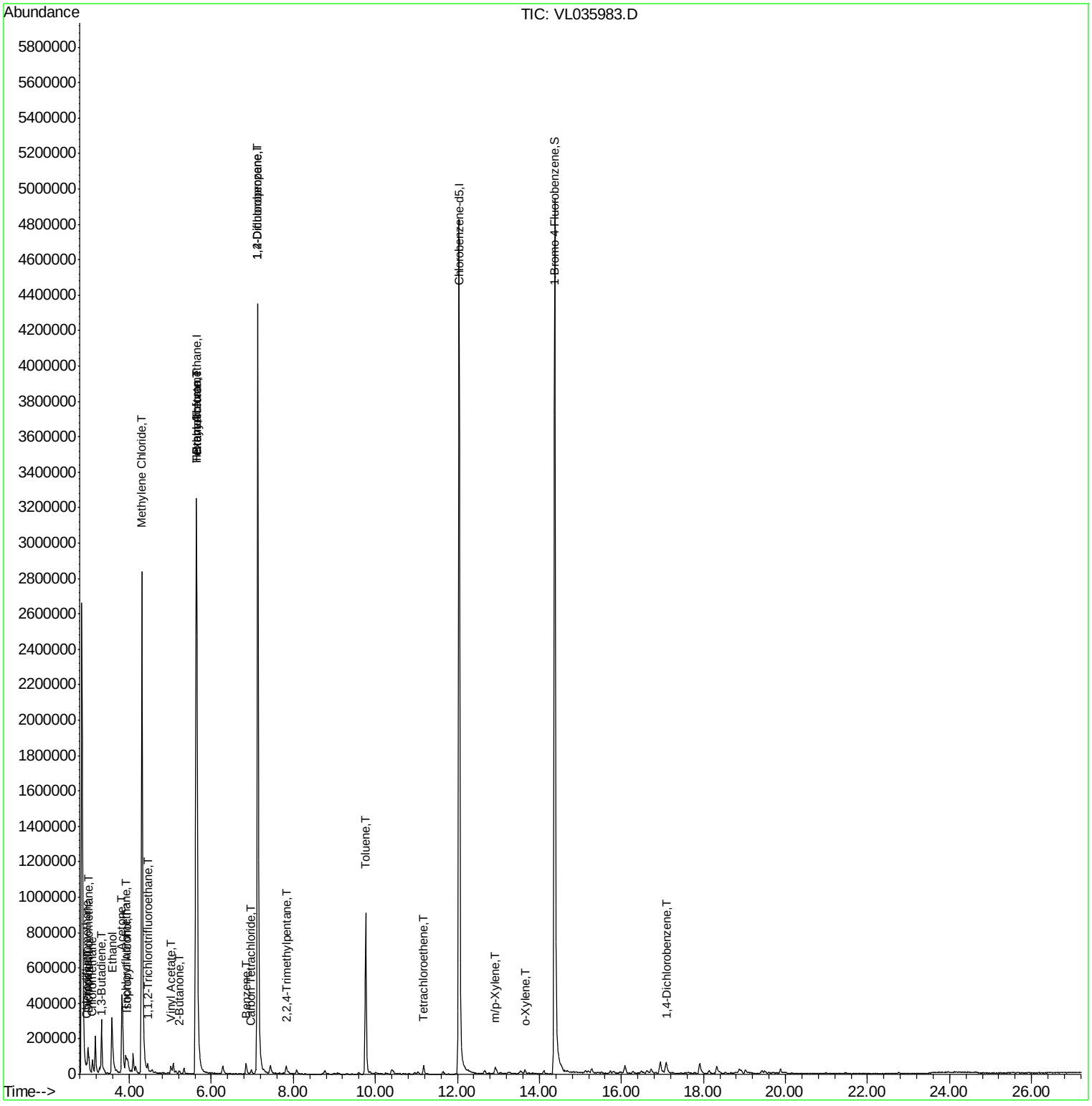
(#) = qualifier out of range (m) = manual integration (+) = signals summed

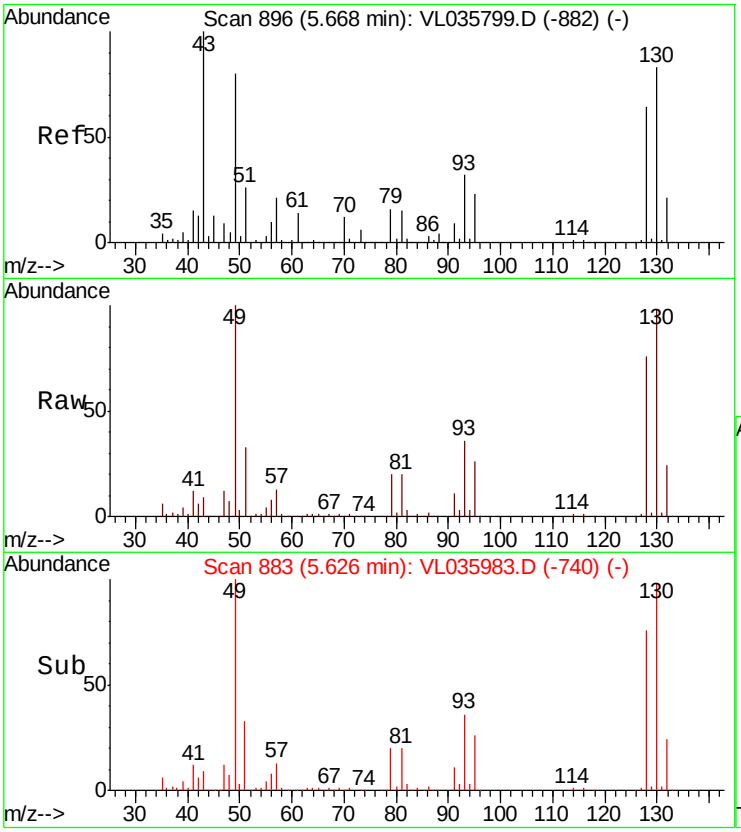
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111820\
Data File : VL035983.D
Acq On : 18 Nov 2020 21:26
Operator : SY/AP
Sample : L4781-02DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Quant Time: Nov 19 08:12:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration



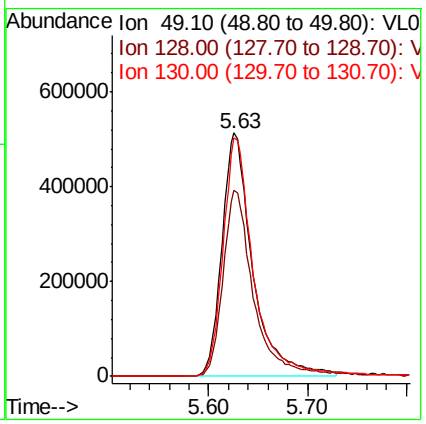


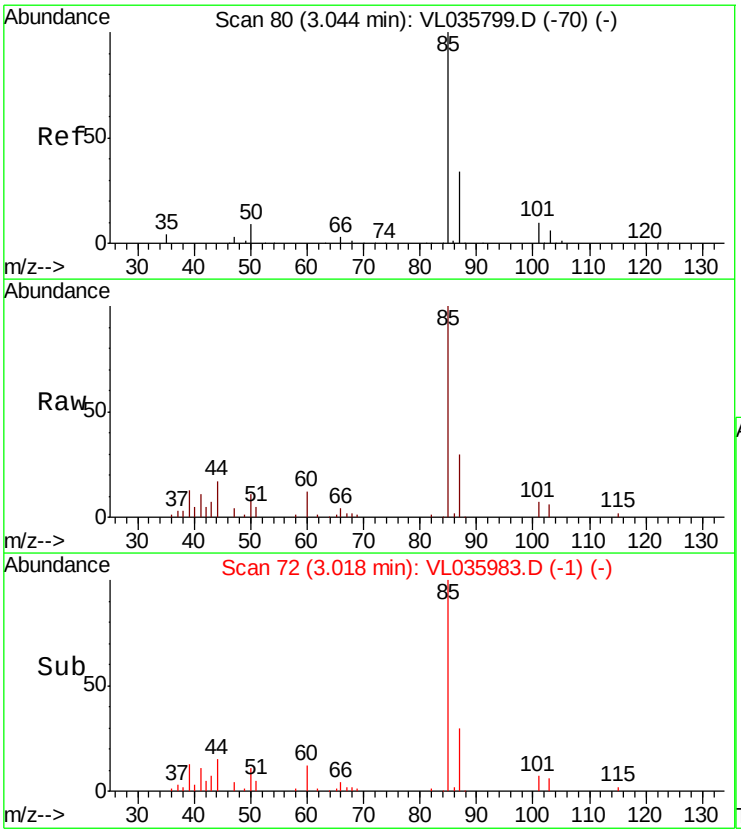
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.63 min Scan# 883
Delta R.T. -0.04 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tgt Ion: 49 Resp: 1122687

Ion	Ratio	Lower	Upper
49	100		
128	77.2	41.5	124.6
130	98.9	53.7	161.1

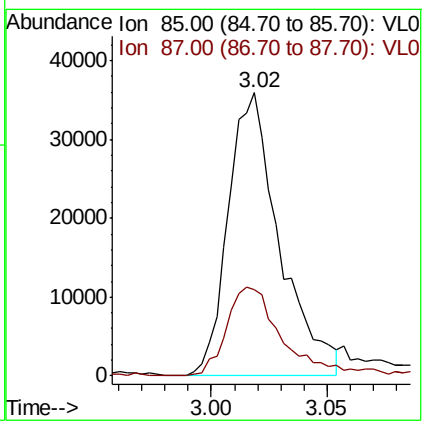


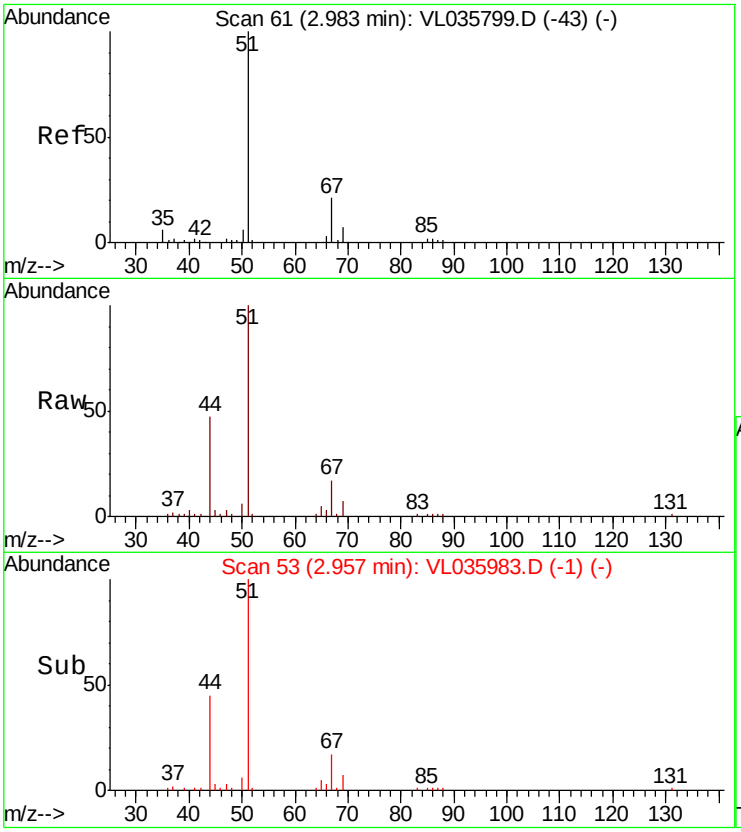


#2
Dichlorodifluoromethane
Concen: 0.261 ppbv
RT: 3.02 min Scan# 72
Delta R.T. -0.03 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Tgt Ion: 85 Resp: 55238

Ion	Ratio	Lower	Upper
85	100		
87	30.3	27.1	40.7



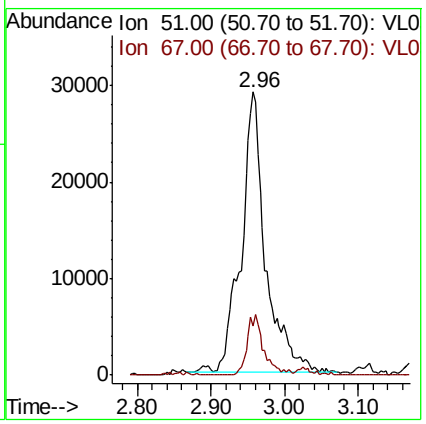


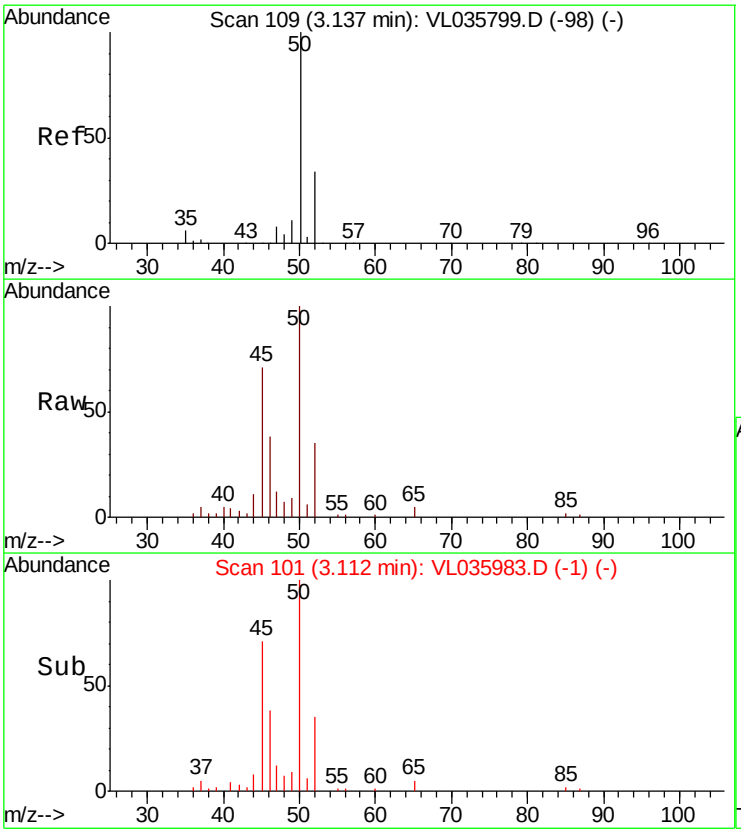
#3
Chlorodifluoromethane
Concen: 0.503 ppbv
RT: 2.96 min Scan# 53
Delta R.T. -0.03 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tgt Ion: 51 Resp: 67636

Ion	Ratio	Lower	Upper
51	100		
67	14.5	17.0	25.4#

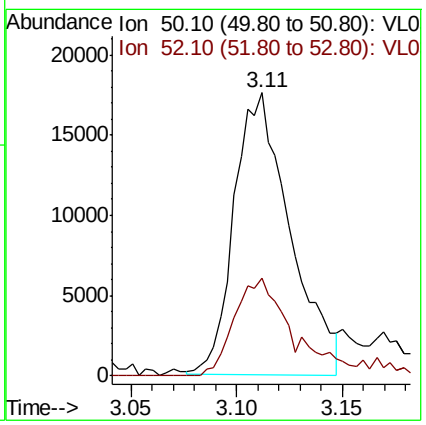


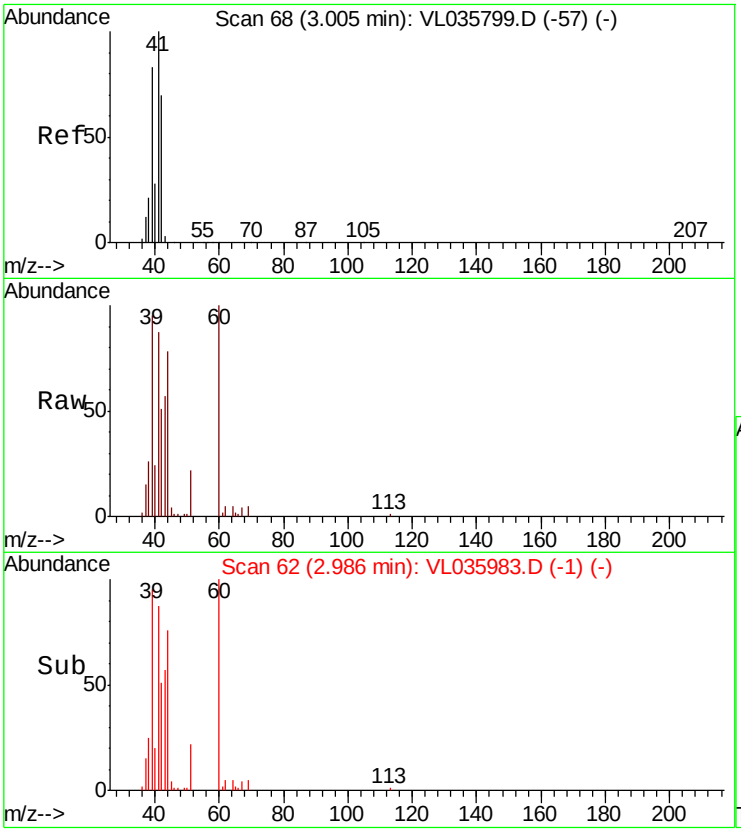


#4
Chloromethane
Concen: 0.497 ppbv
RT: 3.11 min Scan# 101
Delta R.T. -0.03 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Tgt Ion: 50 Resp: 32472

Ion	Ratio	Lower	Upper
50	100		
52	35.6	27.1	40.7



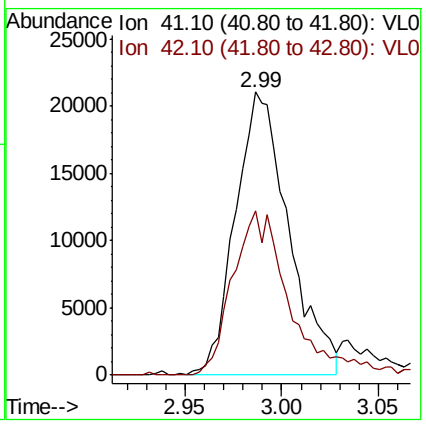


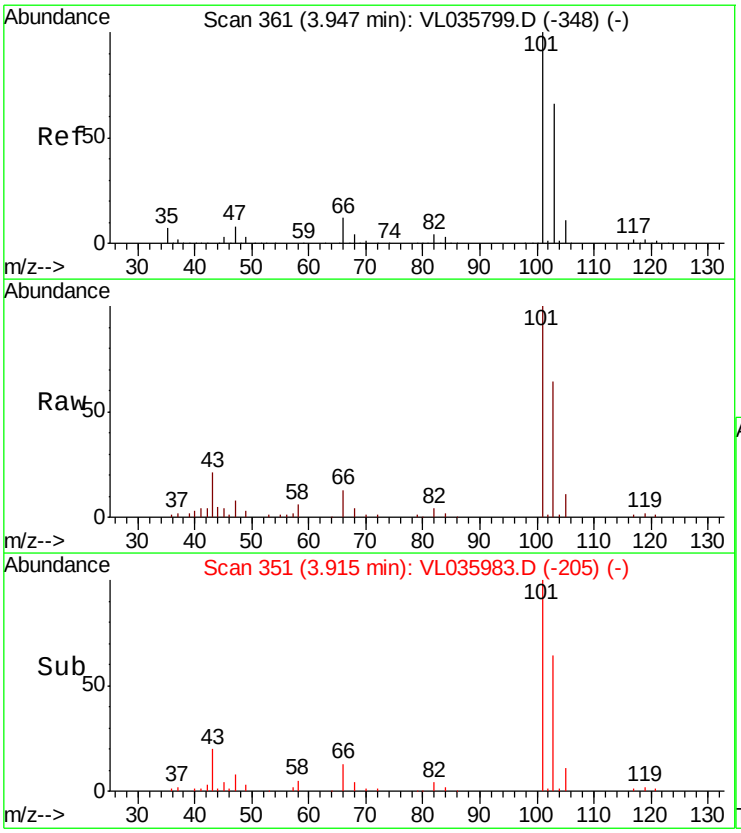
#9
Propene
Concen: 0.822 ppbv
RT: 2.99 min Scan# 62
Delta R.T. -0.02 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tgt Ion: 41 Resp: 40468

Ion	Ratio	Lower	Upper
41	100		
42	61.8	56.2	84.4

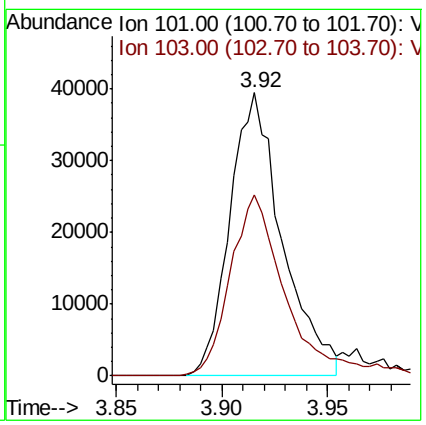


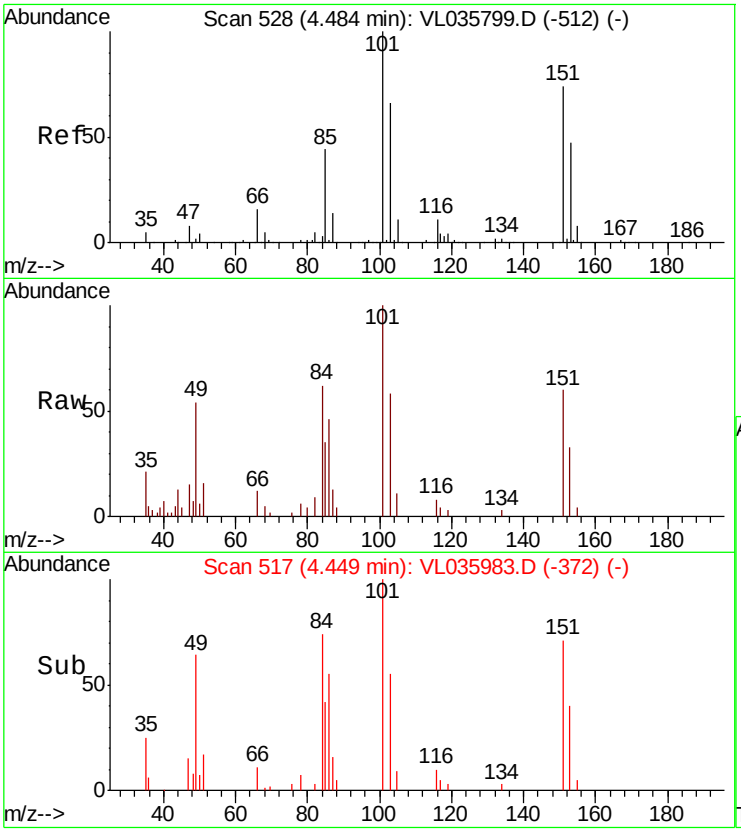


#11
Trichlorofluoromethane
Concen: 0.256 ppbv
RT: 3.92 min Scan# 351
Delta R.T. -0.03 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Tgt Ion:101 Resp: 67894

Ion	Ratio	Lower	Upper
101	100		
103	63.5	53.0	79.4



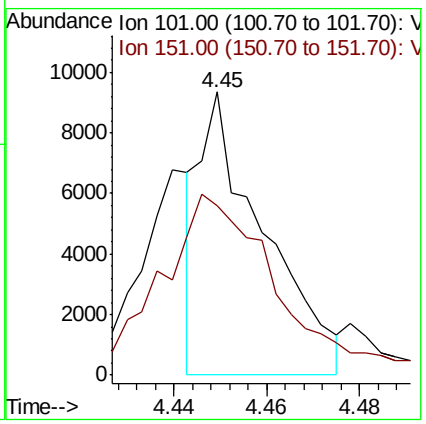


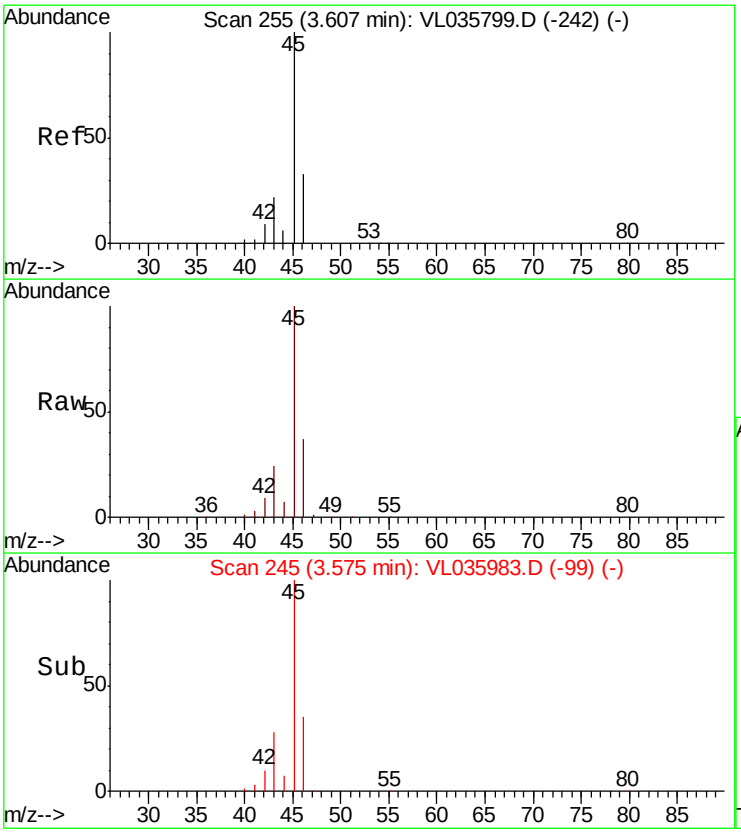
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.045 ppbv
RT: 4.45 min Scan# 517
Delta R.T. -0.04 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tgt Ion:101 Resp: 8898

Ion	Ratio	Lower	Upper
101	100		
151	126.9	58.9	88.3#

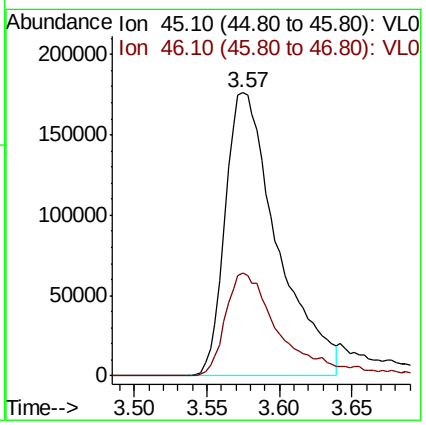


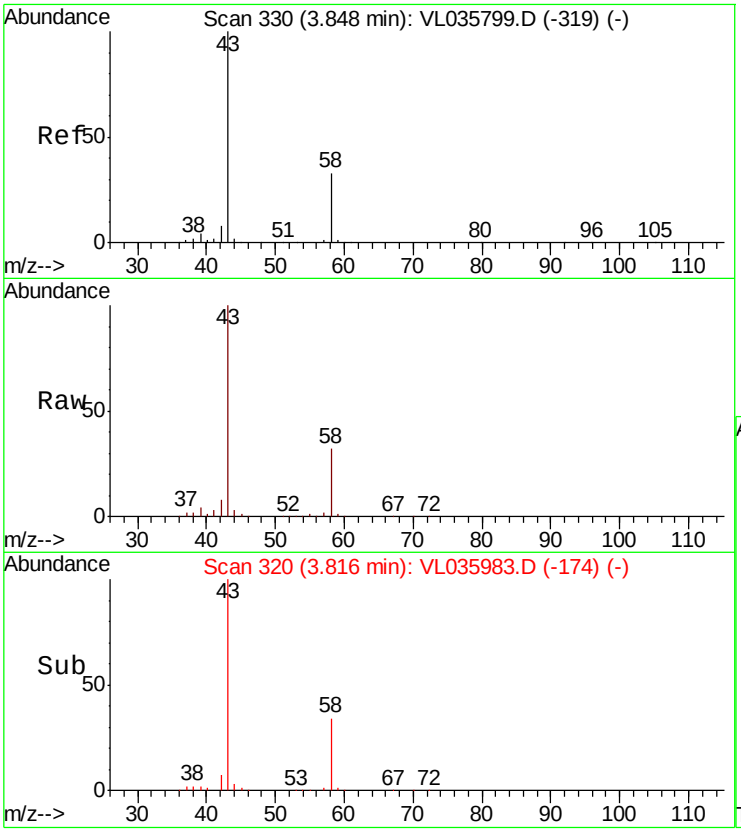


#13
Ethanol
Concen: 41.341 ppbv
RT: 3.57 min Scan# 245
Delta R.T. -0.03 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Tgt Ion: 45 Resp: 441336

Ion	Ratio	Lower	Upper
45	100		
46	40.4	16.1	64.5



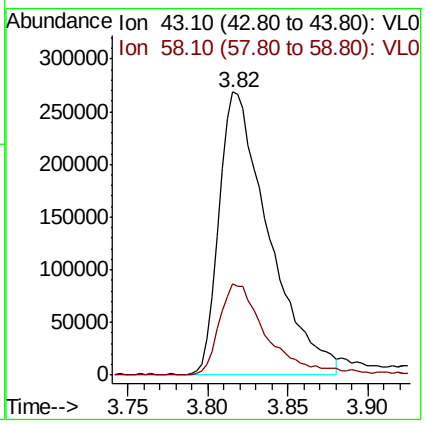


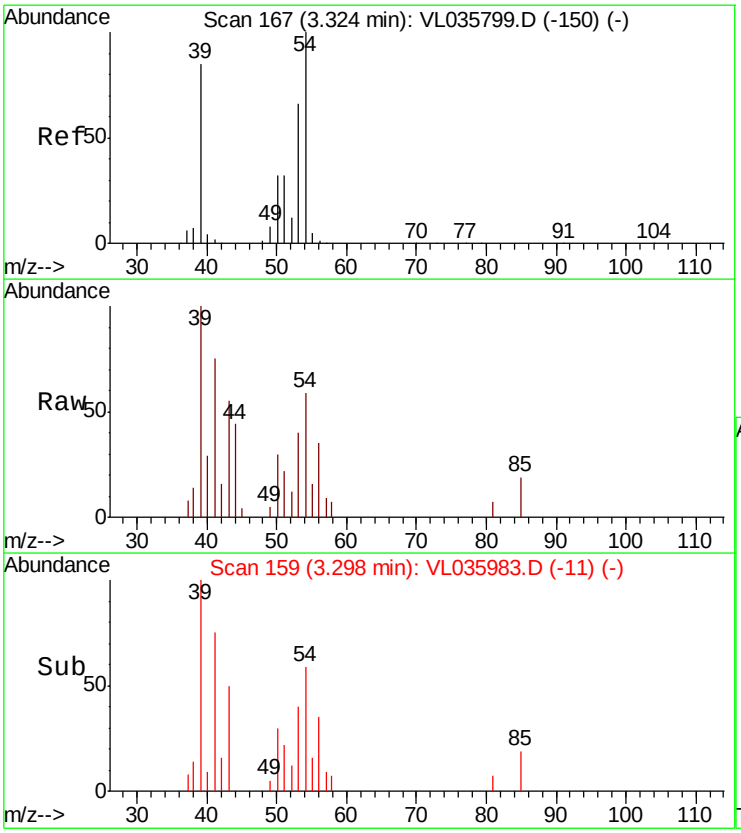
#15
Acetone
Concen: 4.755 ppbv
RT: 3.82 min Scan# 320
Delta R.T. -0.03 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Tgt Ion: 43 Resp: 570757

Ion	Ratio	Lower	Upper
43	100		
58	31.5	27.5	41.3

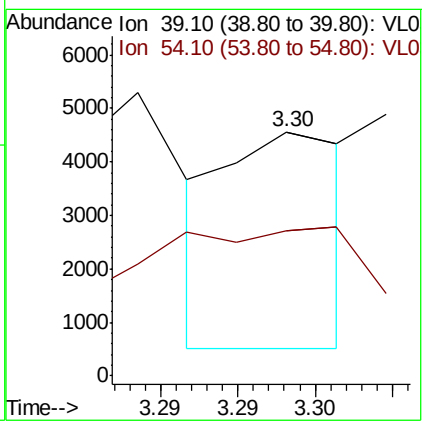


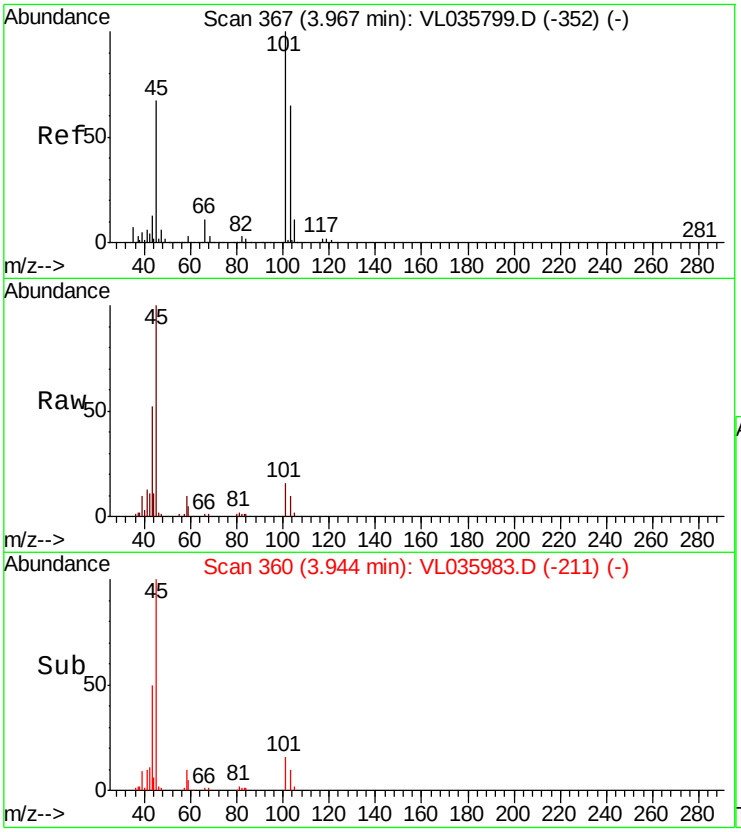


#16
1,3-Butadiene
Concen: 0.043 ppbv
RT: 3.30 min Scan# 159
Delta R.T. -0.03 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Tgt Ion: 39 Resp: 2198

Ion	Ratio	Lower	Upper
39	100		
54	317.2	87.1	130.7#



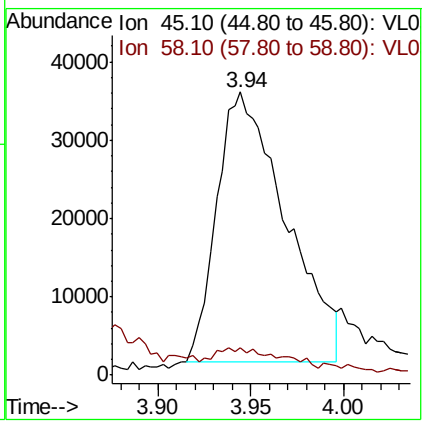


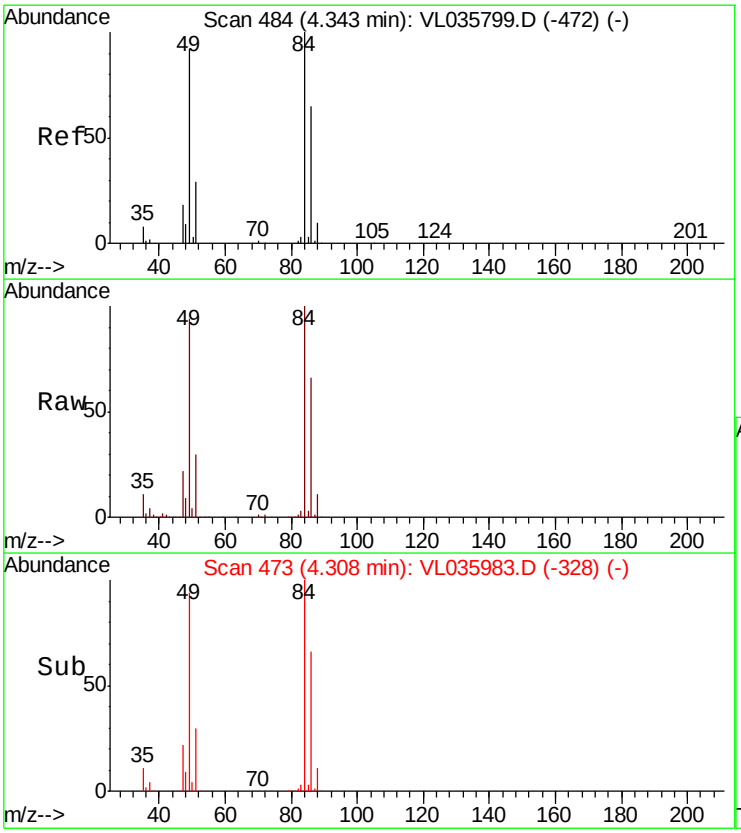
#19
Isopropyl Alcohol
Concen: 1.208 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.02 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tgt Ion: 45 Resp: 89069

Ion	Ratio	Lower	Upper
45	100		
58	14.0	2.6	3.8#

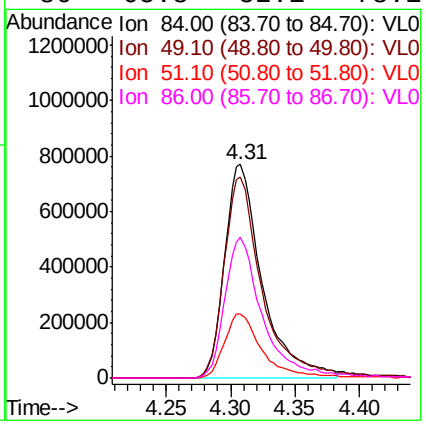


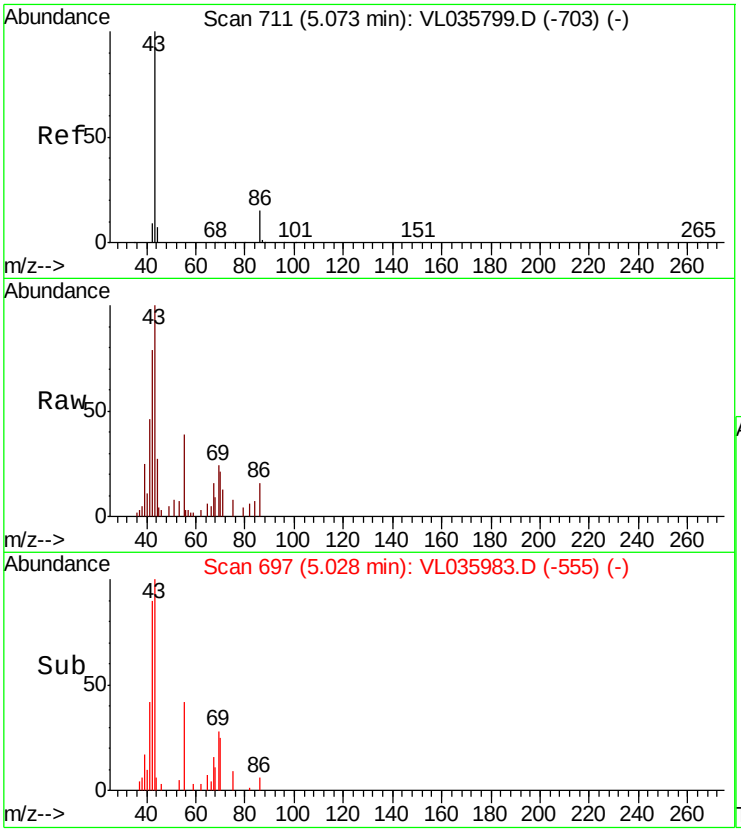


#20
Methylene Chloride
Concen: 18.434 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.04 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Tgt Ion: 84 Resp: 1557600

Ion	Ratio	Lower	Upper
84	100		
49	93.8	73.8	110.8
51	30.1	23.0	34.4
86	65.8	52.1	78.1



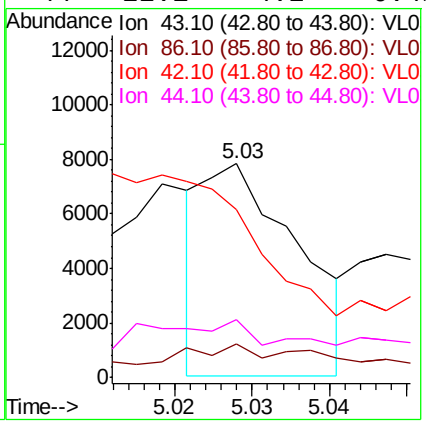


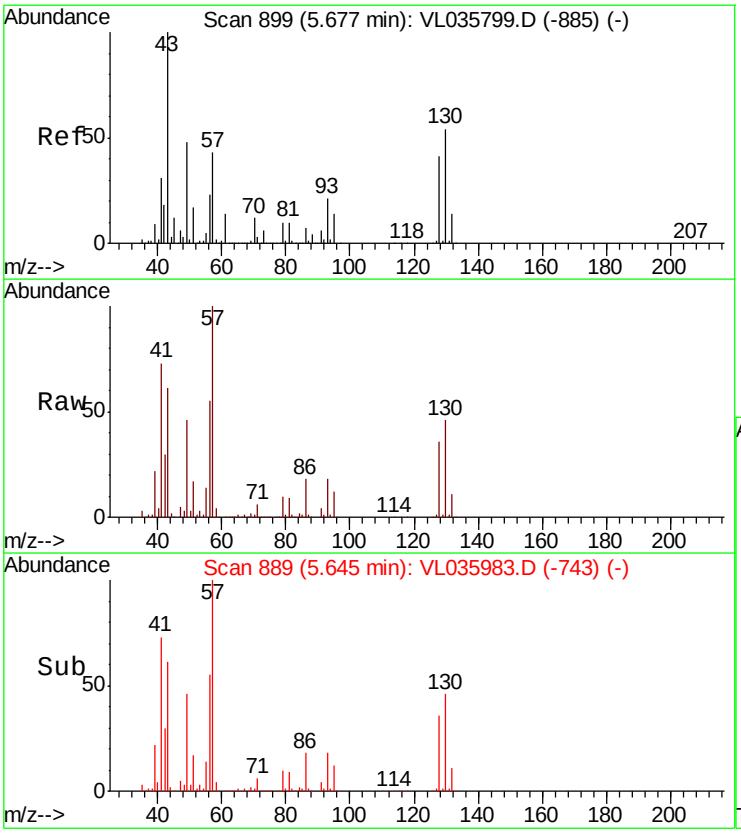
#23
Vinyl Acetate
Concen: 0.039 ppbv
RT: 5.03 min Scan# 697
Delta R.T. -0.04 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Tgt Ion: 43 Resp: 6640

Ion	Ratio	Lower	Upper
43	100		
86	13.0	9.8	14.6
42	92.8	8.1	12.1#
44	22.1	4.2	6.4#

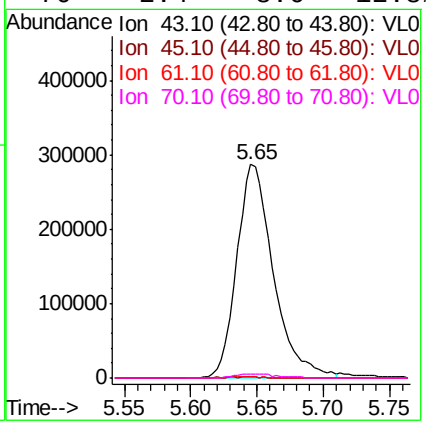


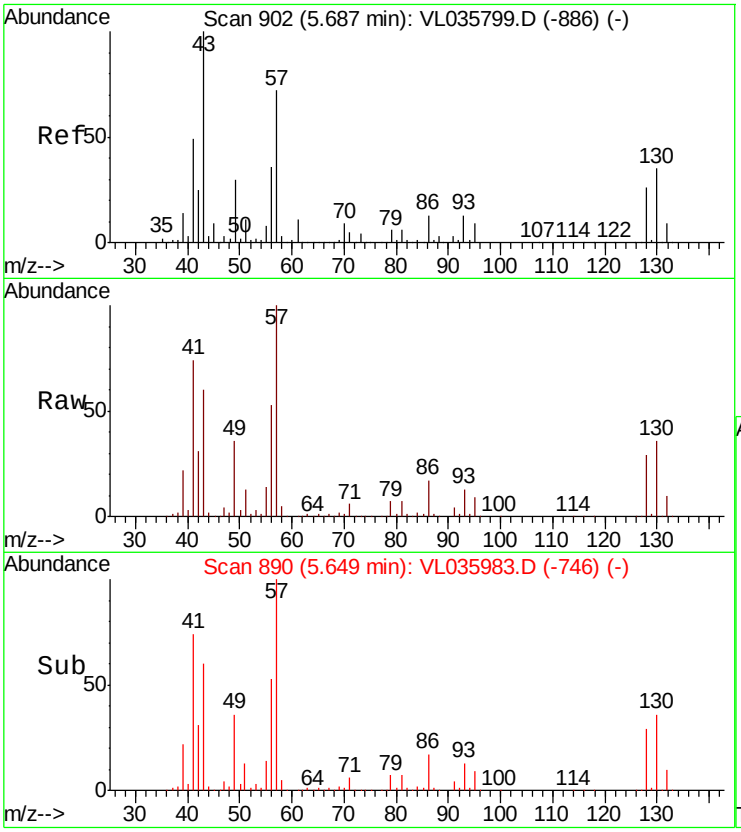


#25
Ethyl Acetate
Concen: 2.333 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.03 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Tgt Ion: 43 Resp: 551689

Ion	Ratio	Lower	Upper
43	100		
45	0.7	8.5	12.7#
61	0.6	10.7	16.1#
70	2.4	8.6	12.8#



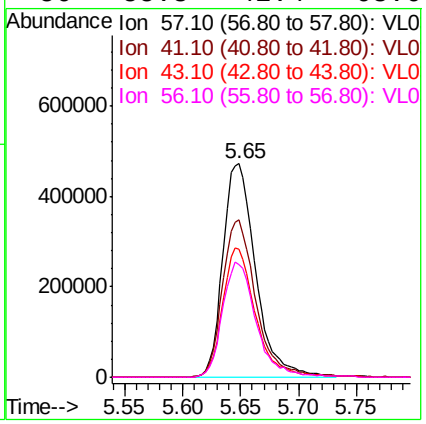


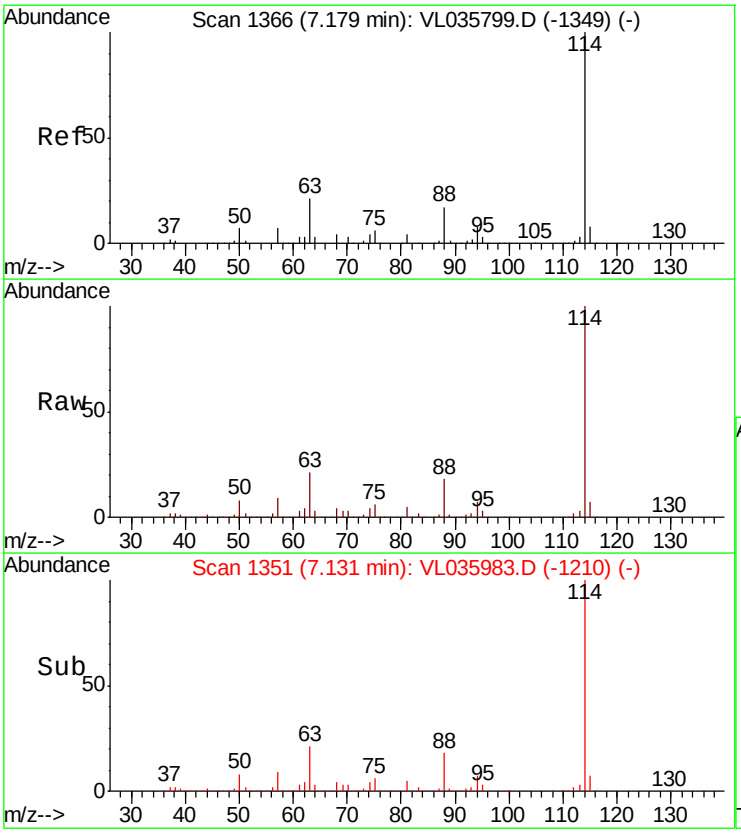
#26
Hexane
Concen: 7.067 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.04 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tgt Ion: 57 Resp: 921501

Ion	Ratio	Lower	Upper
57	100		
41	75.8	58.9	88.3
43	61.1	150.2	225.2#
56	55.8	42.4	63.6

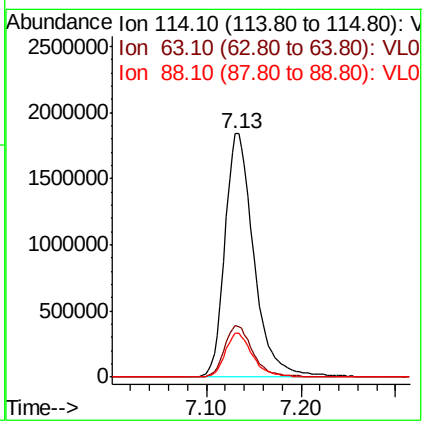


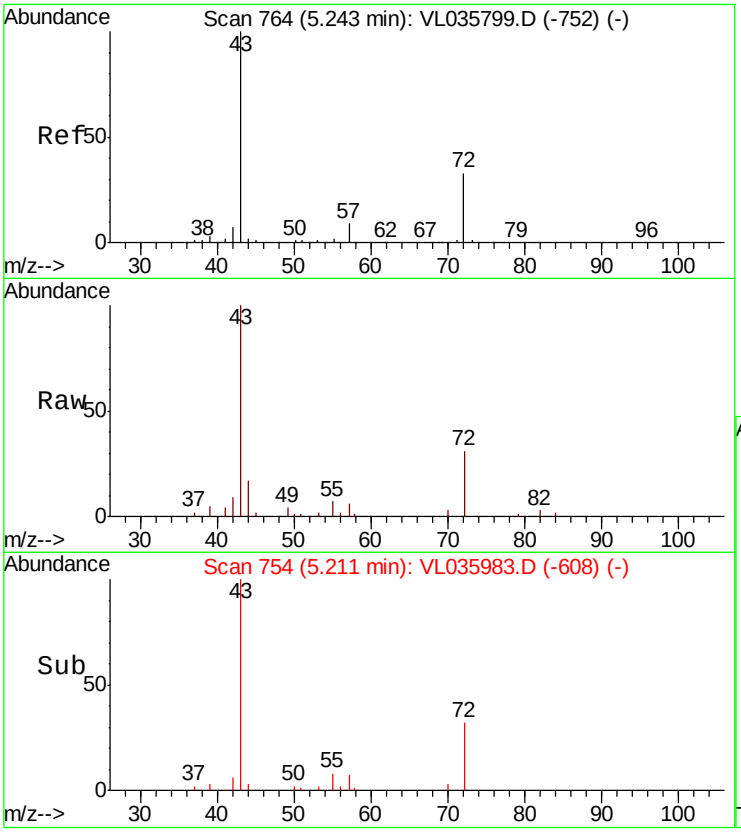


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.05 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Tgt Ion:114 Resp: 3912878

Ion	Ratio	Lower	Upper
114	100		
63	20.9	16.1	24.1
88	17.4	13.7	20.5



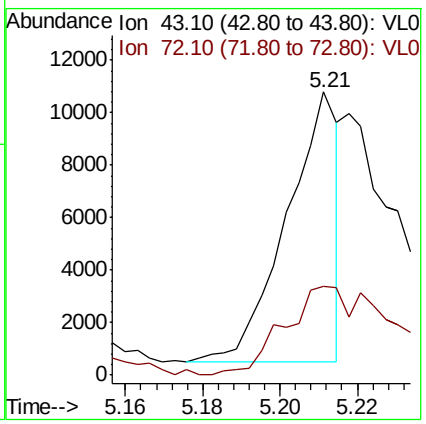


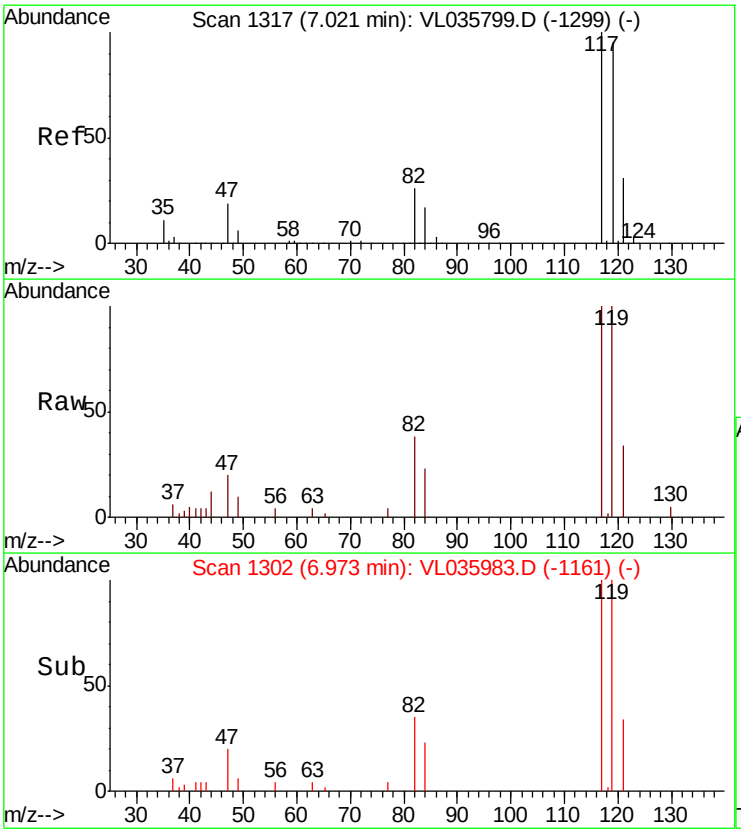
#34
2-Butanone
Concen: 0.075 ppbv
RT: 5.21 min Scan# 754
Delta R.T. -0.03 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Tgt Ion: 43 Resp: 9496

Ion	Ratio	Lower	Upper
43	100		
72	76.2	26.5	39.7#

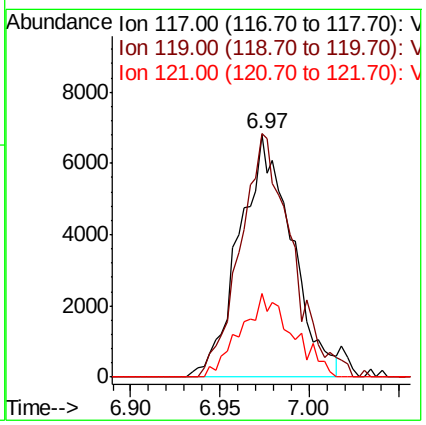


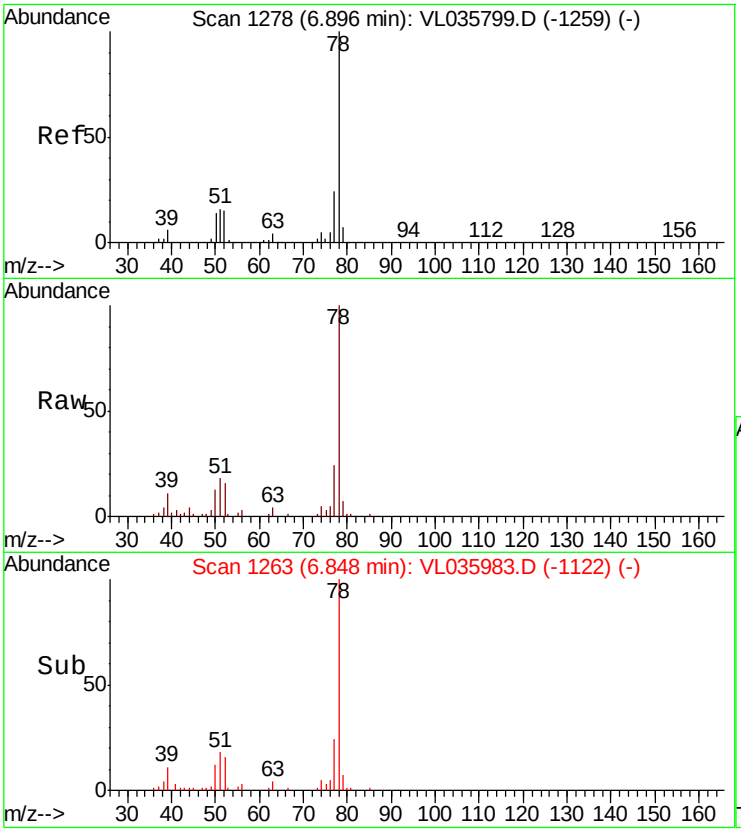


#35
Carbon Tetrachloride
Concen: 0.067 ppbv
RT: 6.97 min Scan# 1302
Delta R.T. -0.05 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Tgt Ion:117 Resp: 13943

Ion	Ratio	Lower	Upper
117	100		
119	100.4	75.6	113.4
121	34.3	25.1	37.7



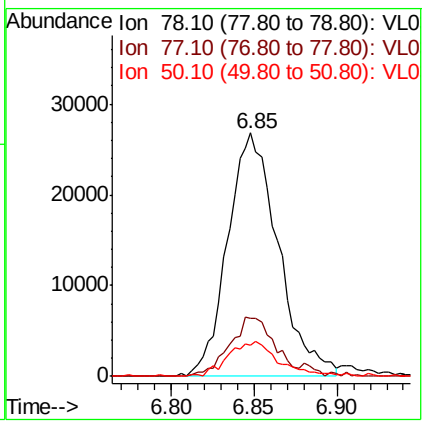


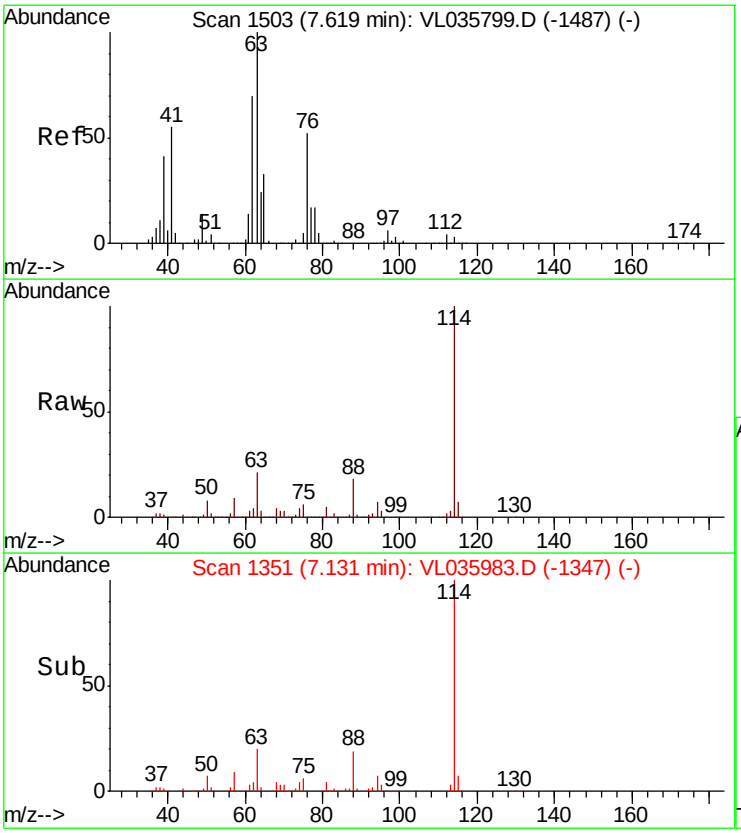
#36
Benzene
Concen: 0.195 ppbv
RT: 6.85 min Scan# 1263
Delta R.T. -0.05 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Tgt Ion: 78 Resp: 56712

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9
50	12.8	11.4	17.2

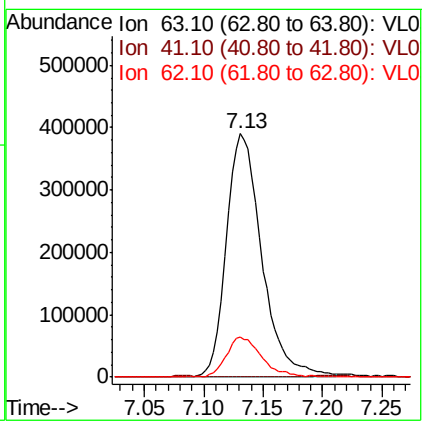


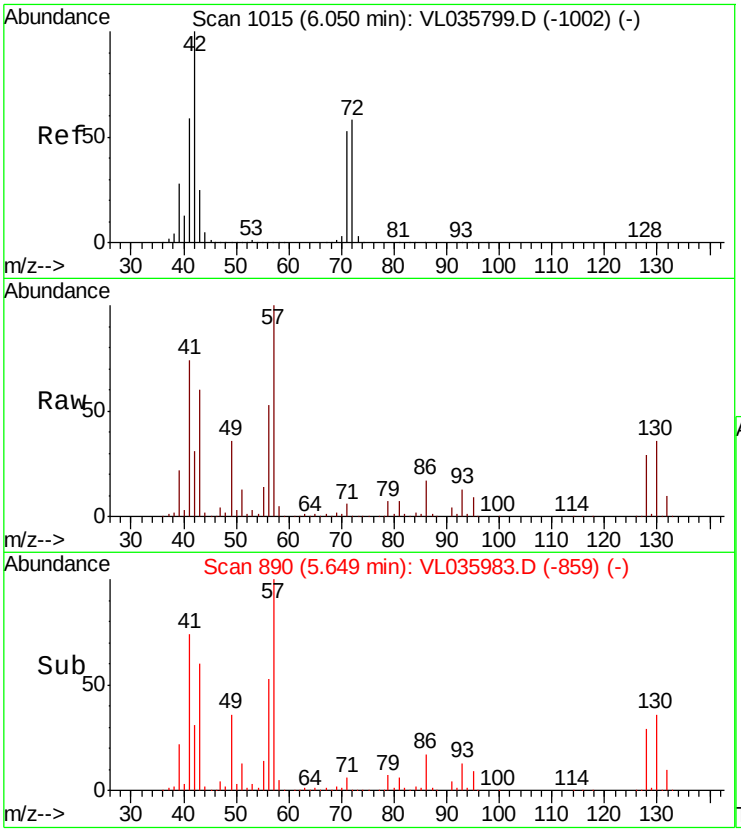


#39
1,2-Dichloropropane
Concen: 8.209 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.49 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Tgt Ion: 63 Resp: 803927

Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	16.7	56.2	84.2#



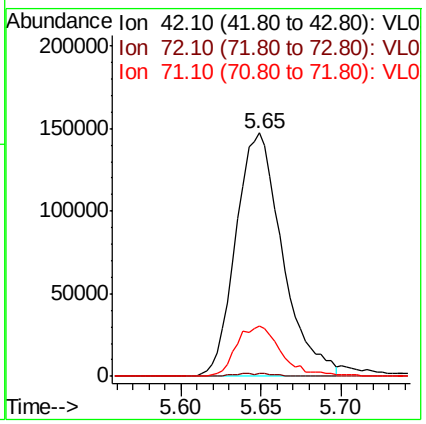


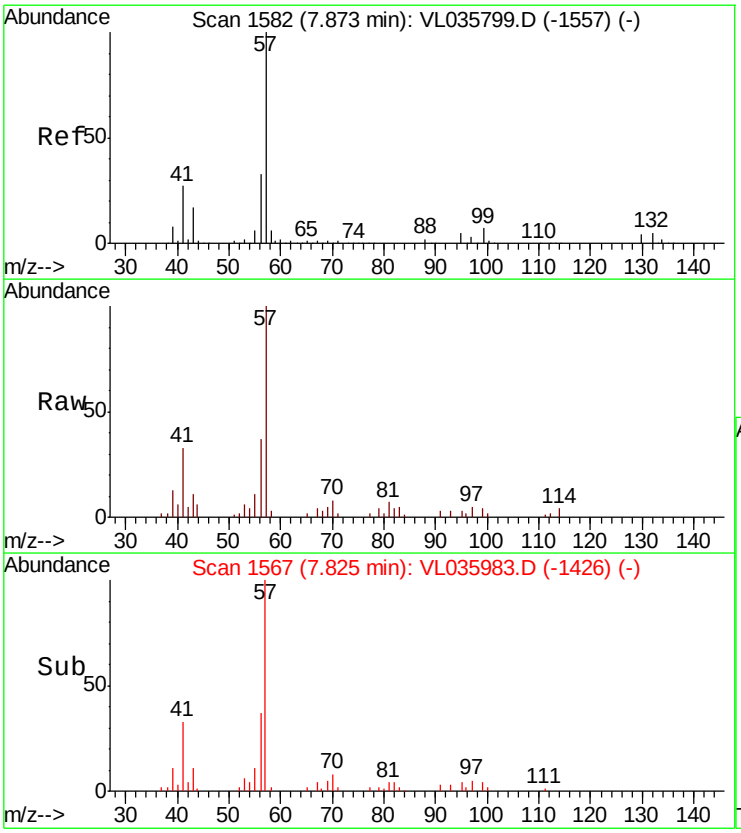
#41
Tetrahydrofuran
Concen: 4.078 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.40 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tgt Ion: 42 Resp: 294185

Ion	Ratio	Lower	Upper
42	100		
72	1.2	45.4	68.0#
71	20.0	43.4	65.2#

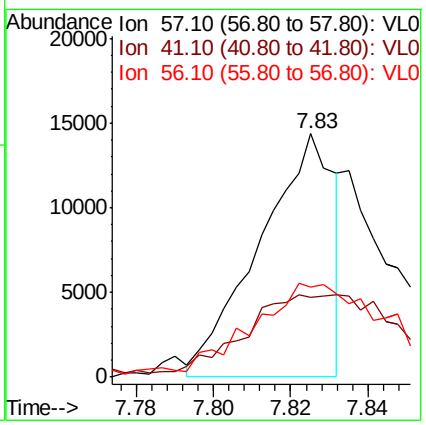


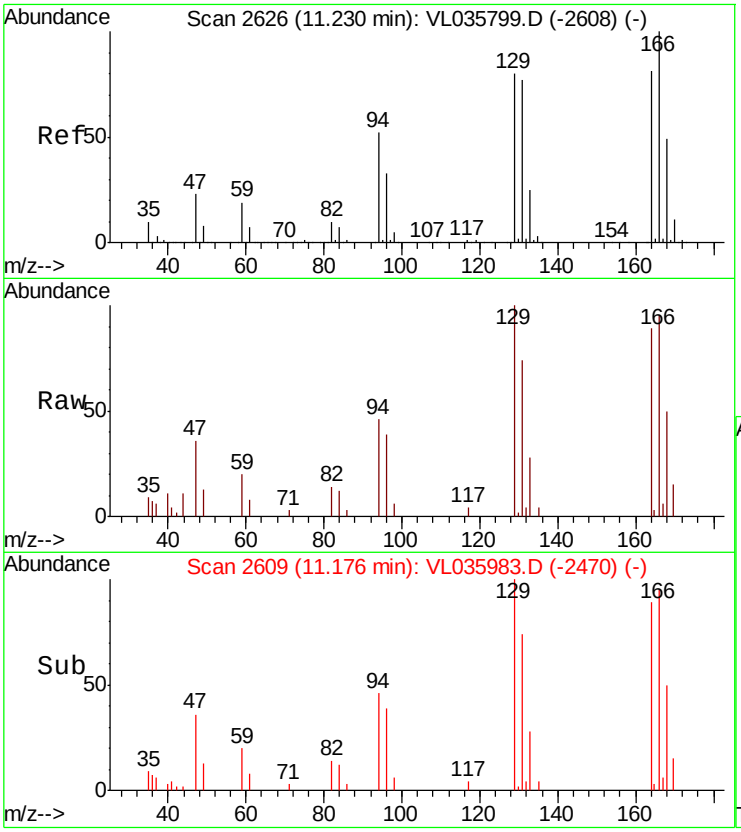


#44
2,2,4-Trimethylpentane
Concen: 0.050 ppbv
RT: 7.83 min Scan# 1567
Delta R.T. -0.05 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Tgt Ion: 57 Resp: 19243

Ion	Ratio	Lower	Upper
57	100		
41	0.0	21.0	31.4#
56	73.2	25.4	38.0#



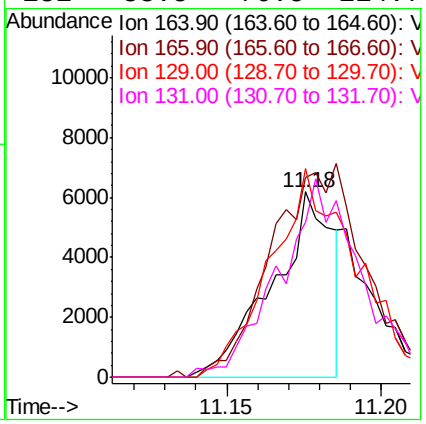


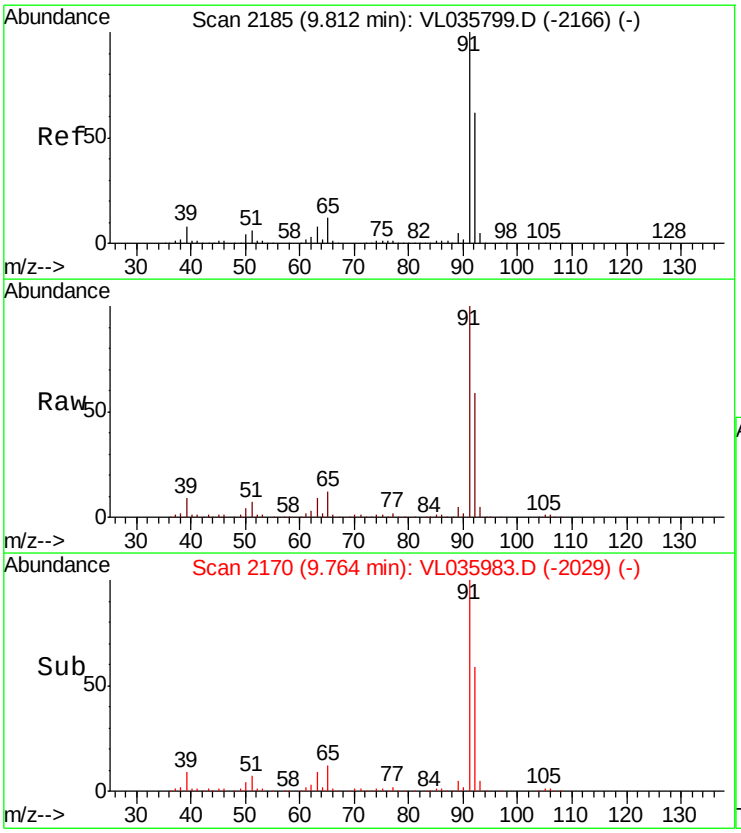
#52
Tetrachloroethene
Concen: 0.060 ppbv
RT: 11.18 min Scan# 2609
Delta R.T. -0.05 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Tgt Ion:164 Resp: 8312

Ion	Ratio	Lower	Upper
164	100		
166	107.6	99.3	148.9
129	112.7	79.3	118.9
131	83.5	76.5	114.7

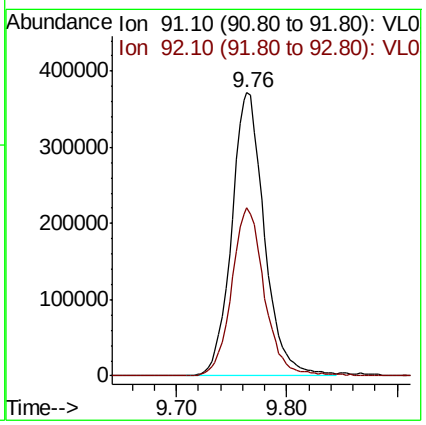


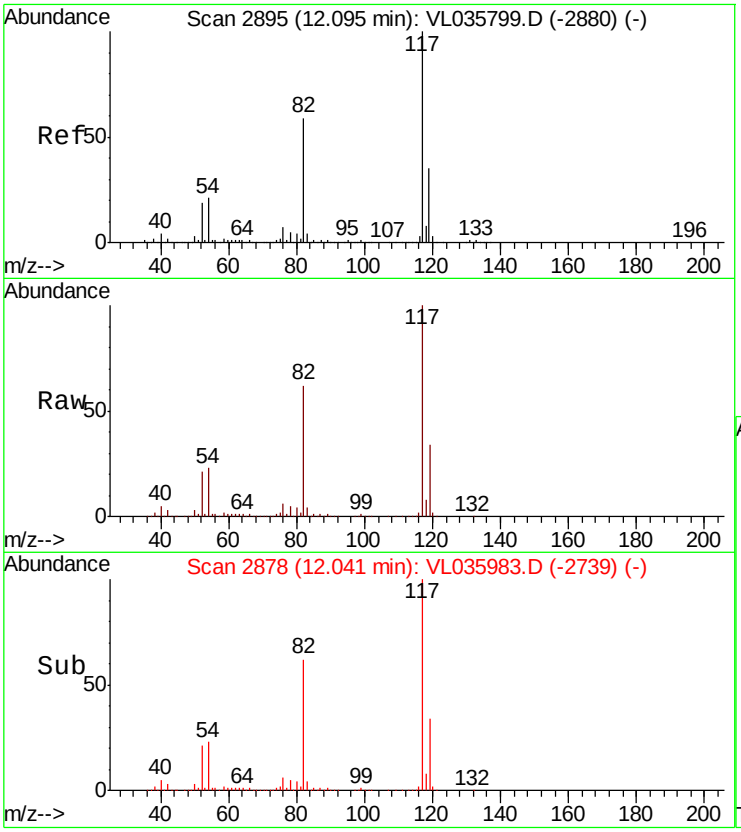


#53
Toluene
Concen: 2.178 ppbv
RT: 9.76 min Scan# 2170
Delta R.T. -0.05 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Tgt Ion: 91 Resp: 764436

Ion	Ratio	Lower	Upper
91	100		
92	59.9	49.8	74.6



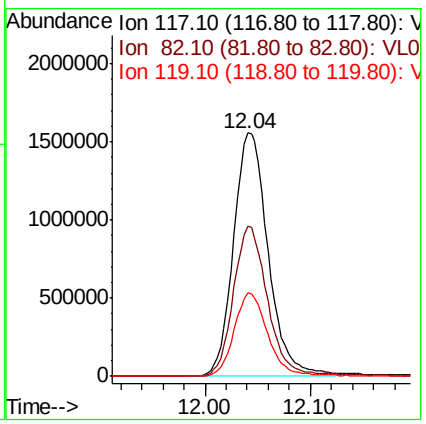


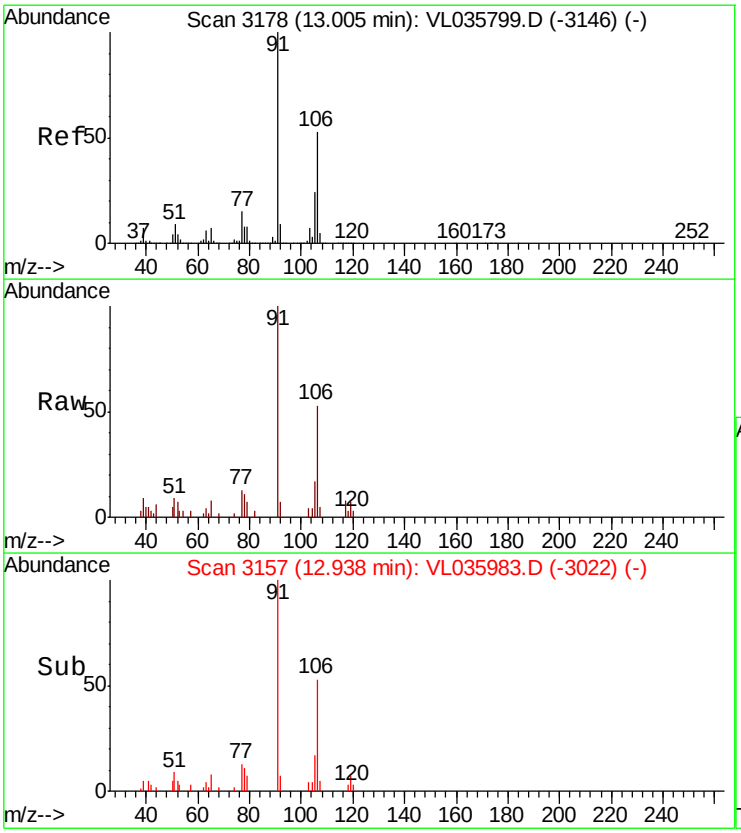
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.04 min Scan# 2878
Delta R.T. -0.05 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Tgt Ion:117 Resp: 3556760

Ion	Ratio	Lower	Upper
117	100		
82	62.0	50.6	76.0
119	33.9	52.6	78.8#

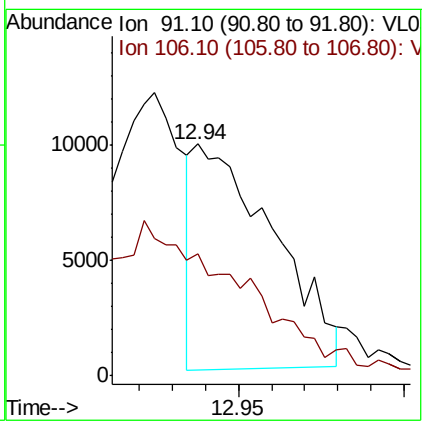


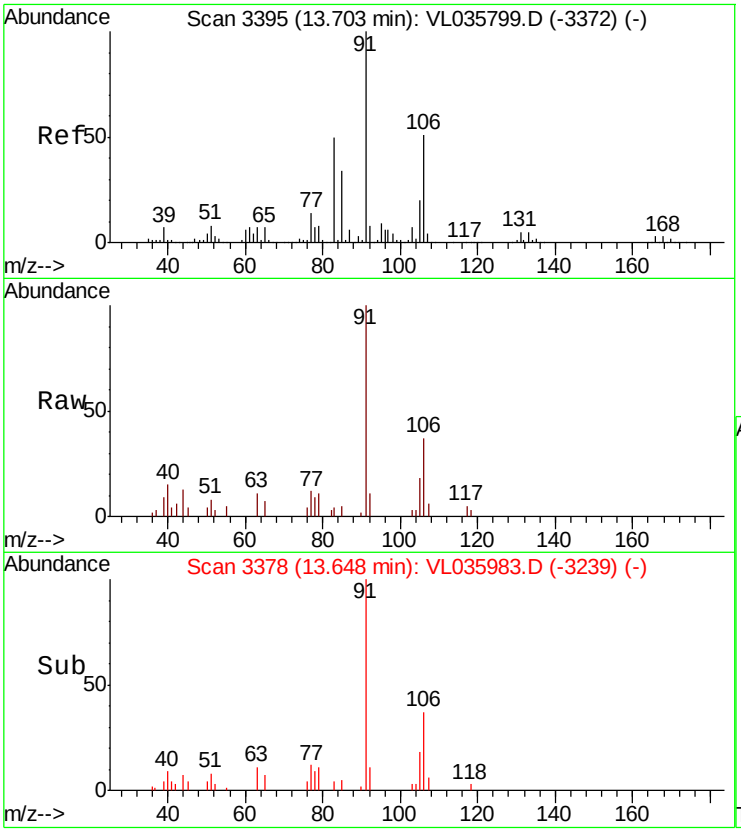


#59
m/p-Xylene
Concen: 0.044 ppbv
RT: 12.94 min Scan# 3157
Delta R.T. -0.07 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Tgt Ion: 91 Resp: 16309

Ion	Ratio	Lower	Upper
91	100		
106	0.0	39.5	59.3#



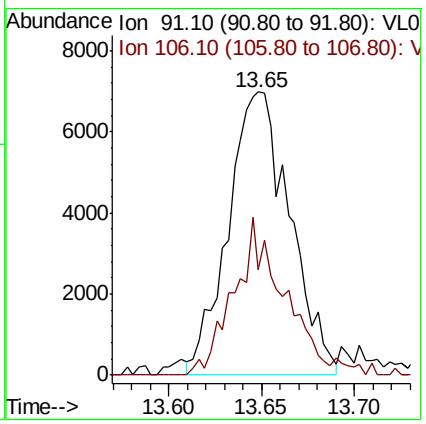


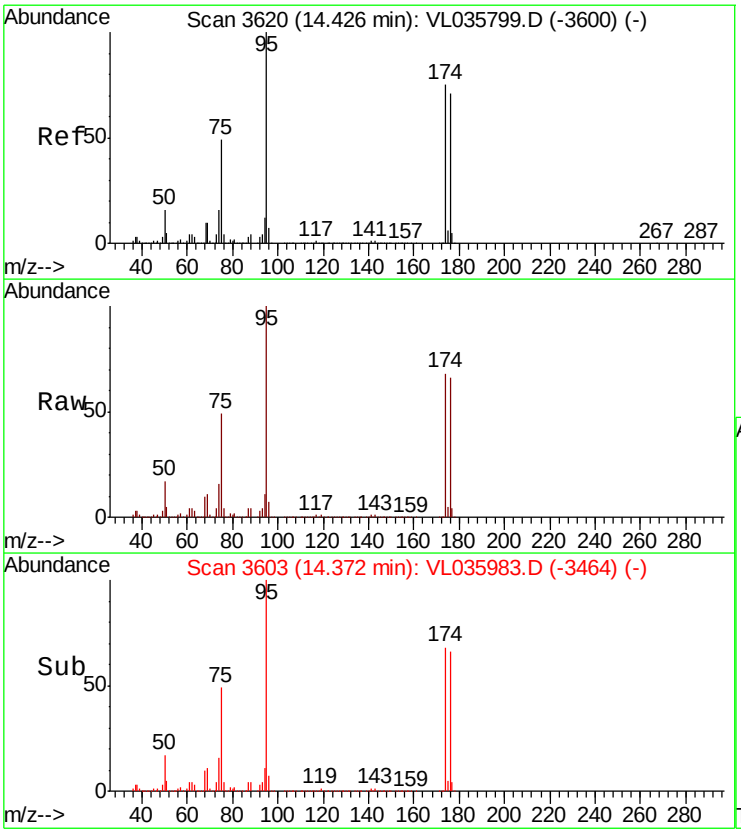
#60
o-Xylene
Concen: 0.045 ppbv
RT: 13.65 min Scan# 3378
Delta R.T. -0.05 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Instrument : MSVOA_L
ClientSampleId : IA2DUP

Tgt Ion: 91 Resp: 16181

Ion	Ratio	Lower	Upper
91	100		
106	46.3	24.8	74.4

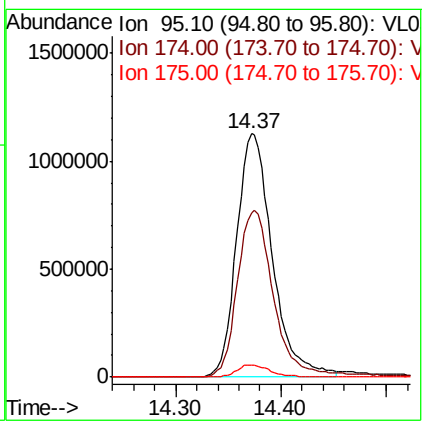


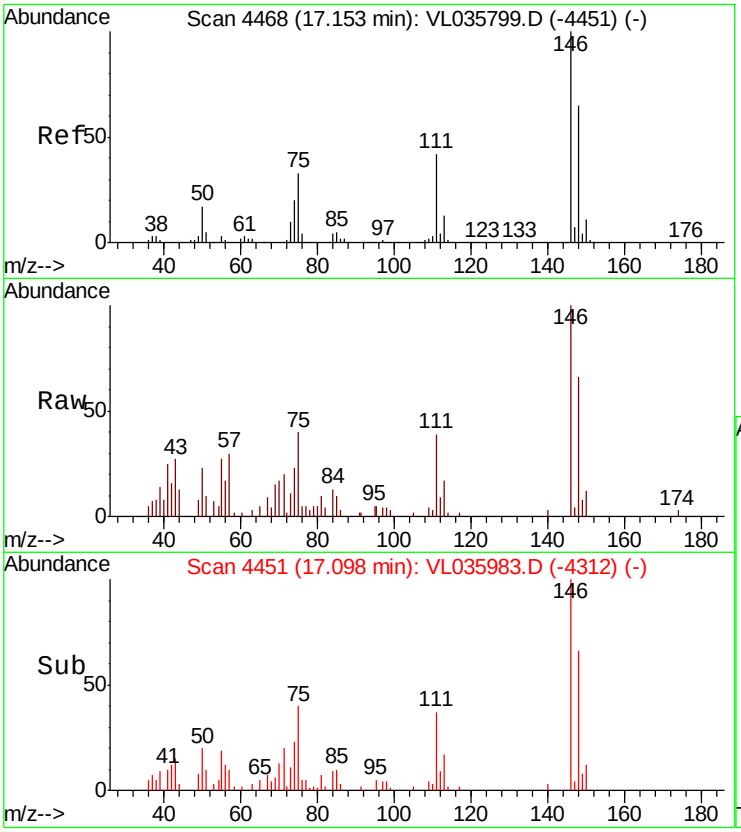


#68
1-Bromo-4-Fluorobenzene
Concen: 10.532 ppbv
RT: 14.37 min Scan# 3603
Delta R.T. -0.05 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Tgt Ion: 95 Resp: 2661341

Ion	Ratio	Lower	Upper
95	100		
174	71.1	59.8	89.6
175	4.9	4.3	6.5





#76
1,4-Dichlorobenzene
Concen: 0.039 ppbv
RT: 17.10 min Scan# 4451
Delta R.T. -0.05 min
Lab File: VL035983.D
Acq: 18 Nov 2020 21:26

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tgt Ion:146 Resp: 10134

Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.3	63.7#
148	141.9	33.0	99.0#