Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111820\
Data File : VL035985.D
Acq On : 18 Nov 2020 22:45
Operator : SY/AP
Sample : L4781-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : OA1

Quant Time: Nov 19 08:13:04 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	5.62	49	1095931	10.00	ppbv	-0.05
33) 1,4-Difluorobenzene	7.13	114	3854732	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.04	117	3558030	10.00	ppbv	-0.05
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	2653569	10.50	ppbv	-0.05
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	48321	0.234	ppbv	90
3) Chlorodifluoromethane	2.95	51	66732	0.508	ppbv #	90
4) Chloromethane	3.11	50	34462	0.541	ppbv	90
9) Propene	2.99	41	39574	0.824	ppbv	92
11) Trichlorofluoromethane	3.91	101	65240	0.252	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.45	101	14732	0.076	ppbv	94
13) Ethanol	3.57	45	331412	31.802	ppbv	97
15) Acetone	3.82	43	404411	3.452	ppbv	92
16) 1,3-Butadiene	3.32	39	51678	1.024	ppbv #	10
19) Isopropyl Alcohol	3.94	45	111578	1.550	ppbv #	86
20) Methylene Chloride	4.30	84	361243	4.380	ppbv	98
21) Allyl Chloride	4.33	41	2041	0.032	ppbv #	1
23) Vinyl Acetate	5.02	43	29861	0.182	ppbv #	64
25) Ethyl Acetate	5.64	43	205615	0.891	ppbv #	75
26) Hexane	5.65	57	337260	2.649	ppbv #	47
34) 2-Butanone	5.21	43	26739	0.214	ppbv	95
35) Carbon Tetrachloride	6.97	117	10795	0.052	ppbv	95
36) Benzene	6.84	78	73479	0.256	ppbv	95
39) 1,2-Dichloropropane	7.13	63	791217	8.201	ppbv #	30
44) 2,2,4-Trimethylpentane	7.82	57	18746	0.049	ppbv #	1
52) Tetrachloroethene	11.17	164	4116	0.030	ppbv	86
53) Toluene	9.76	91	1212399	3.506	ppbv	98
60) o-Xylene	13.65	91	16617	0.047	ppbv	98

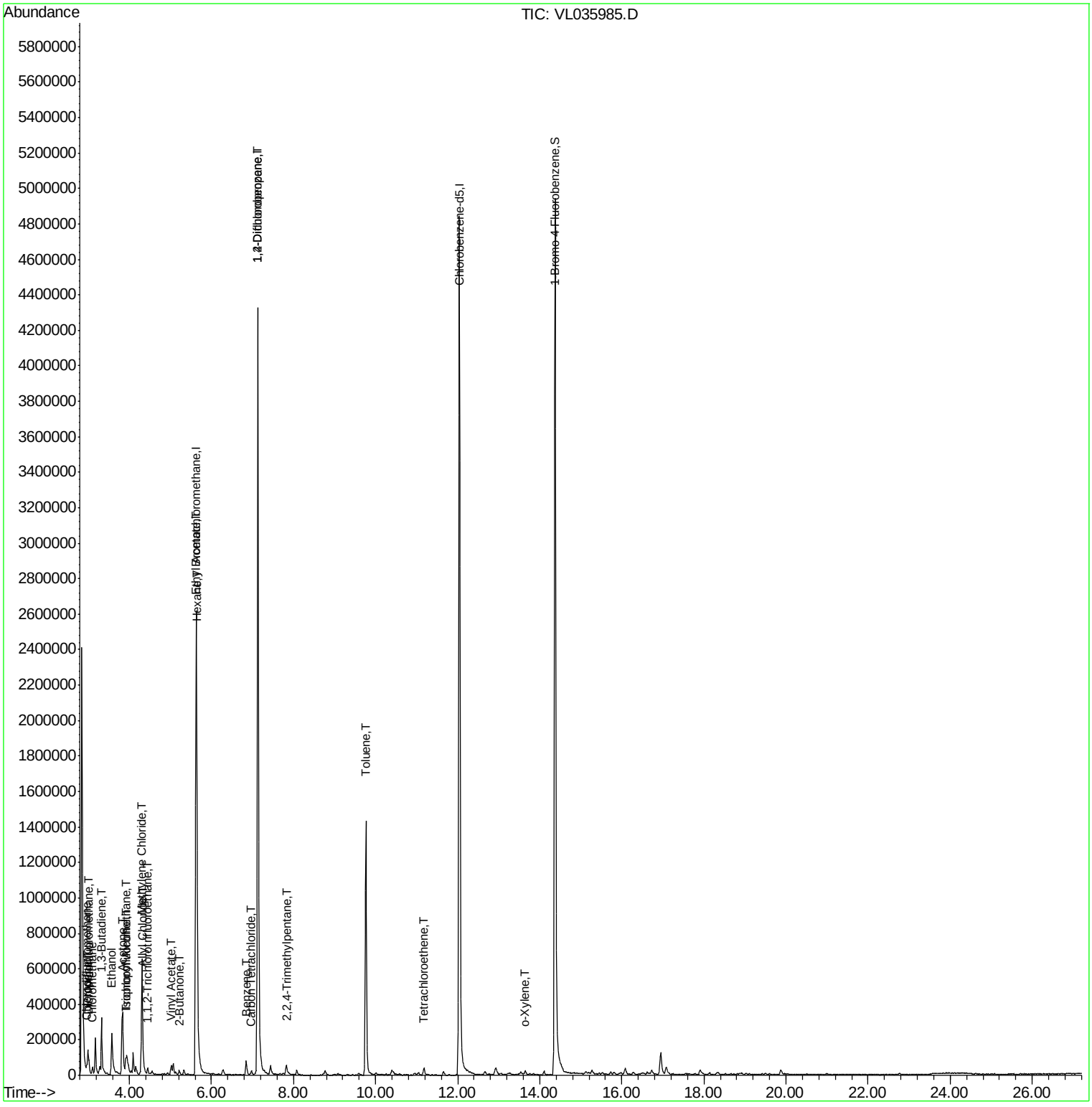
(#) = qualifier out of range (m) = manual integration (+) = signals summed

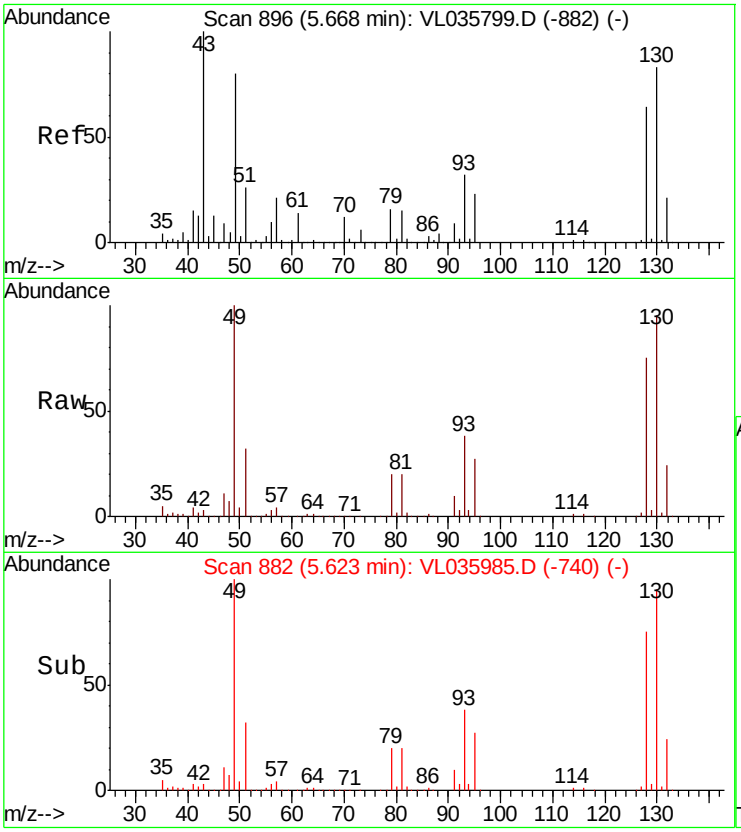
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111820\
Data File : VL035985.D
Acq On : 18 Nov 2020 22:45
Operator : SY/AP
Sample : L4781-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : OA1

Quant Time: Nov 19 08:13:04 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



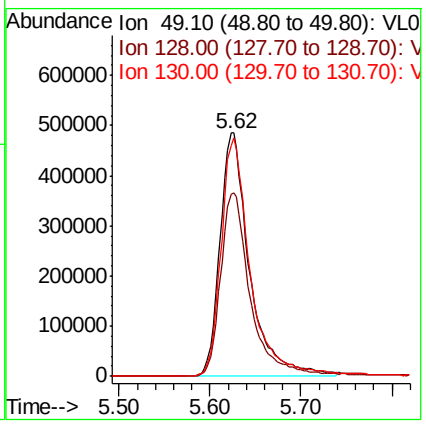


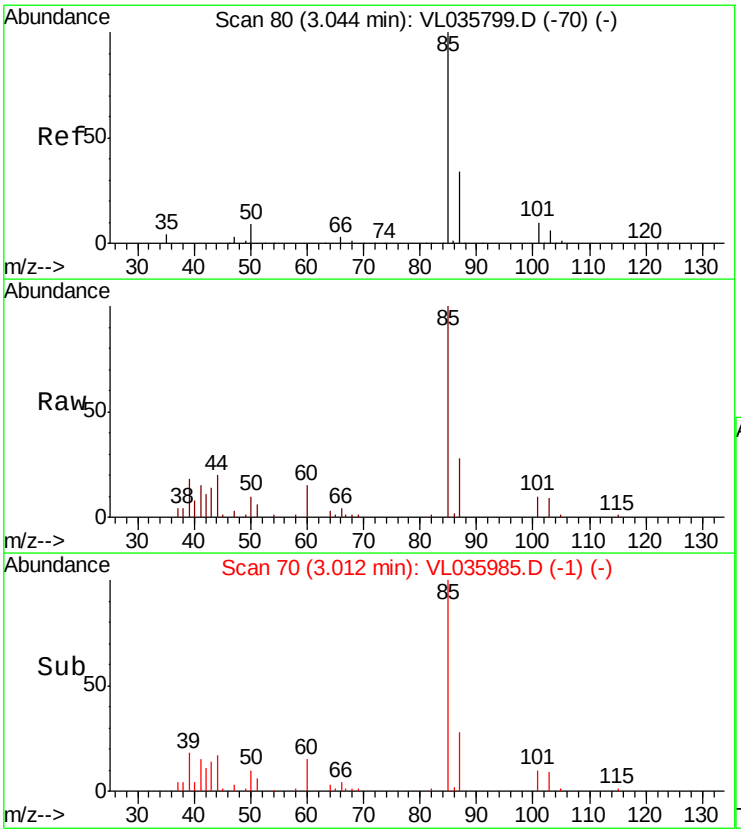
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.62 min Scan# 882
Delta R.T. -0.05 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 1095931

Ion	Ratio	Lower	Upper
49	100		
128	76.3	41.5	124.6
130	98.0	53.7	161.1

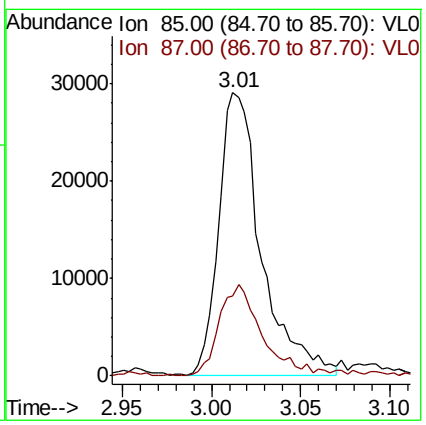


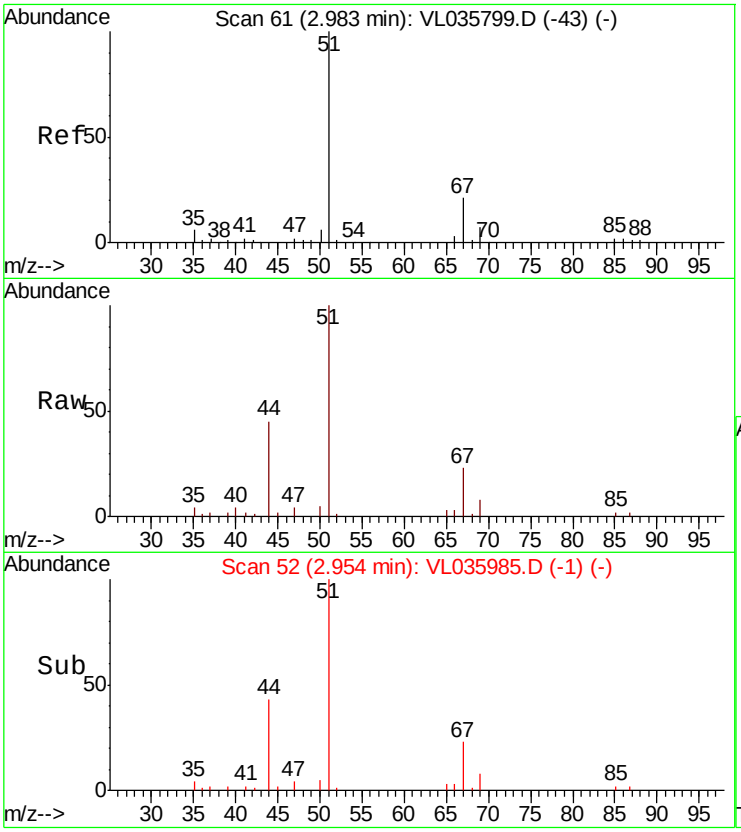


#2
Dichlorodifluoromethane
Concen: 0.234 ppbv
RT: 3.01 min Scan# 70
Delta R.T. -0.03 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Tgt Ion: 85 Resp: 48321

Ion	Ratio	Lower	Upper
85	100		
87	28.1	27.1	40.7



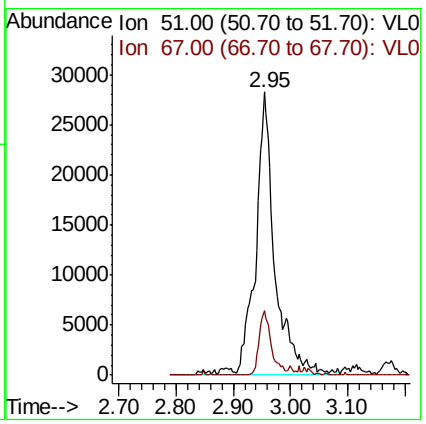


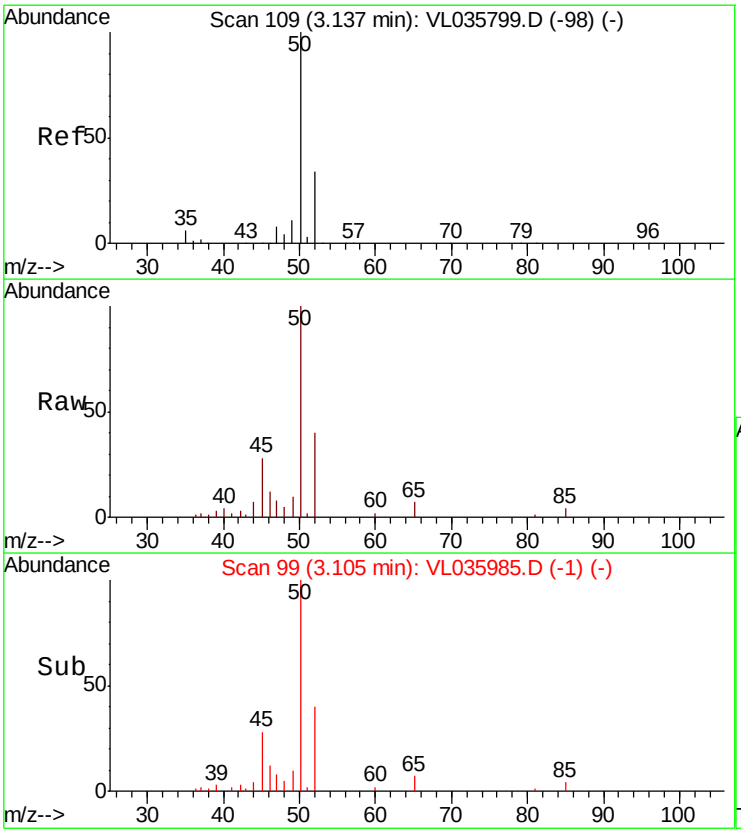
#3
Chlorodifluoromethane
Concen: 0.508 ppbv
RT: 2.95 min Scan# 52
Delta R.T. -0.03 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 66732

Ion	Ratio	Lower	Upper
51	100		
67	16.7	17.0	25.4#

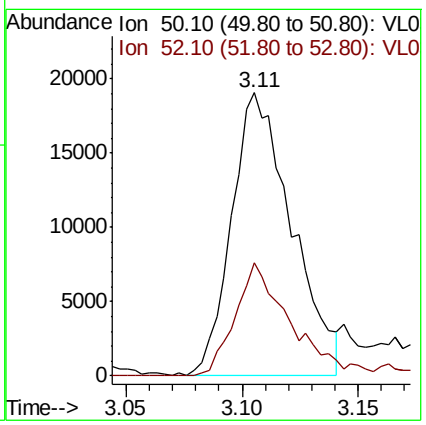


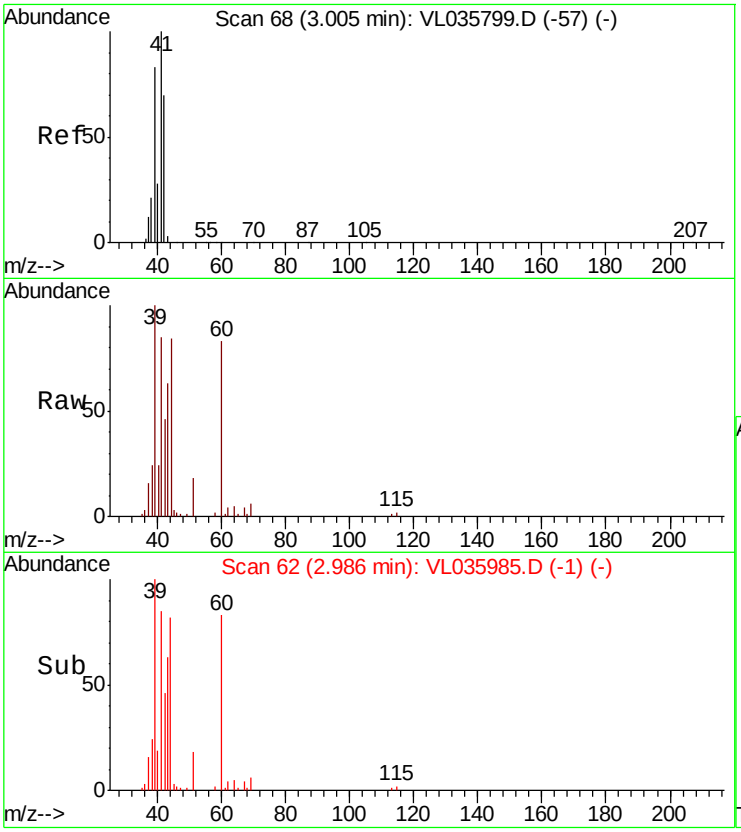


#4
Chloromethane
Concen: 0.541 ppbv
RT: 3.11 min Scan# 99
Delta R.T. -0.03 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Tgt Ion: 50 Resp: 34462

Ion	Ratio	Lower	Upper
50	100		
52	39.8	27.1	40.7



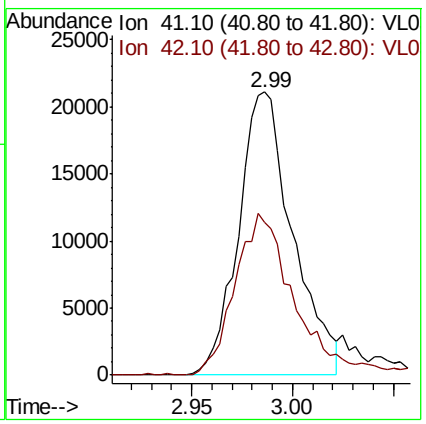


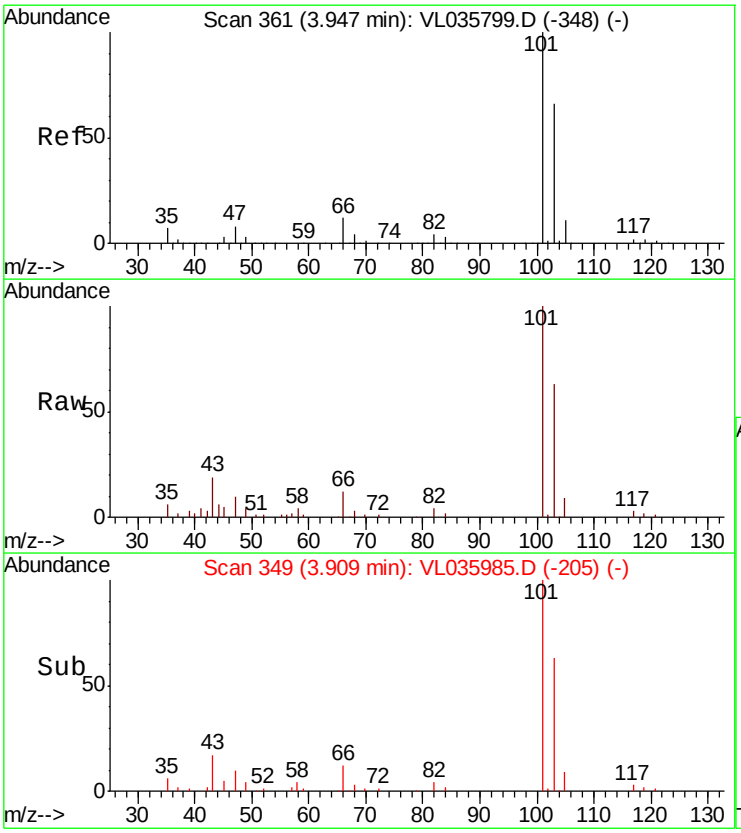
#9
Propene
Concen: 0.824 ppbv
RT: 2.99 min Scan# 62
Delta R.T. -0.02 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 41 Resp: 39574

Ion	Ratio	Lower	Upper
41	100		
42	63.8	56.2	84.4

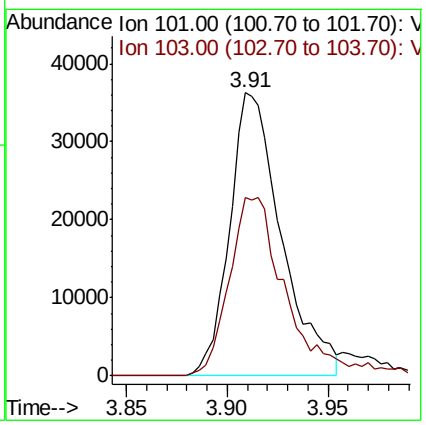


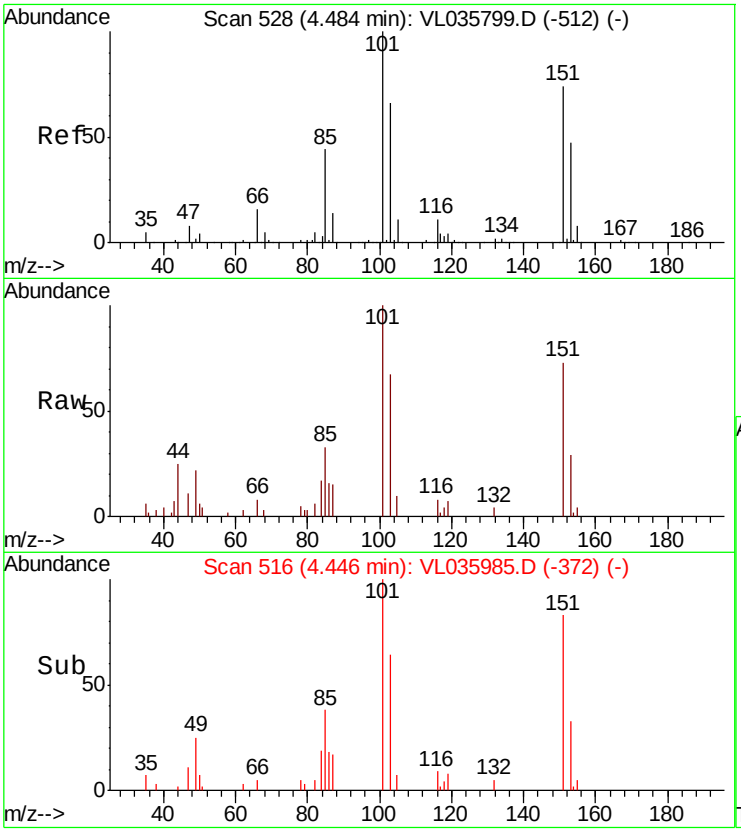


#11
Trichlorofluoromethane
Concen: 0.252 ppbv
RT: 3.91 min Scan# 349
Delta R.T. -0.04 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Tgt Ion:101 Resp: 65240

Ion	Ratio	Lower	Upper
101	100		
103	63.0	53.0	79.4



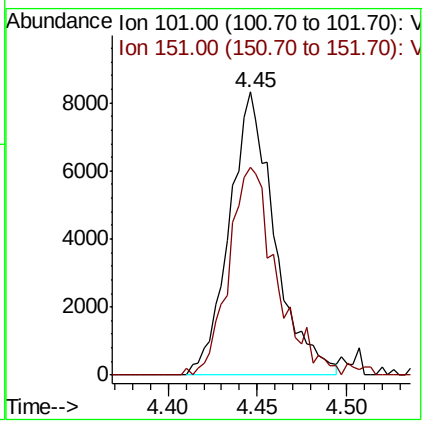


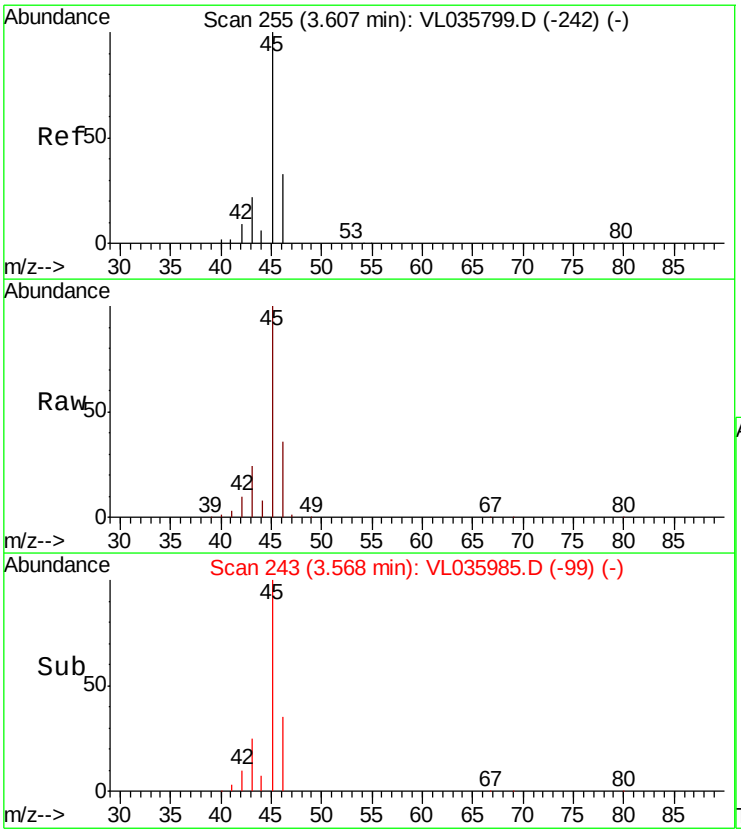
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.076 ppbv
RT: 4.45 min Scan# 516
Delta R.T. -0.04 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:101 Resp: 14732

Ion	Ratio	Lower	Upper
101	100		
151	78.6	58.9	88.3

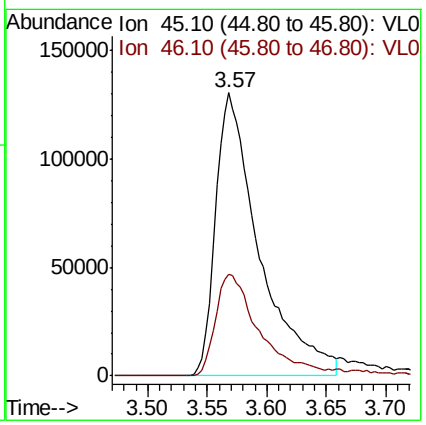


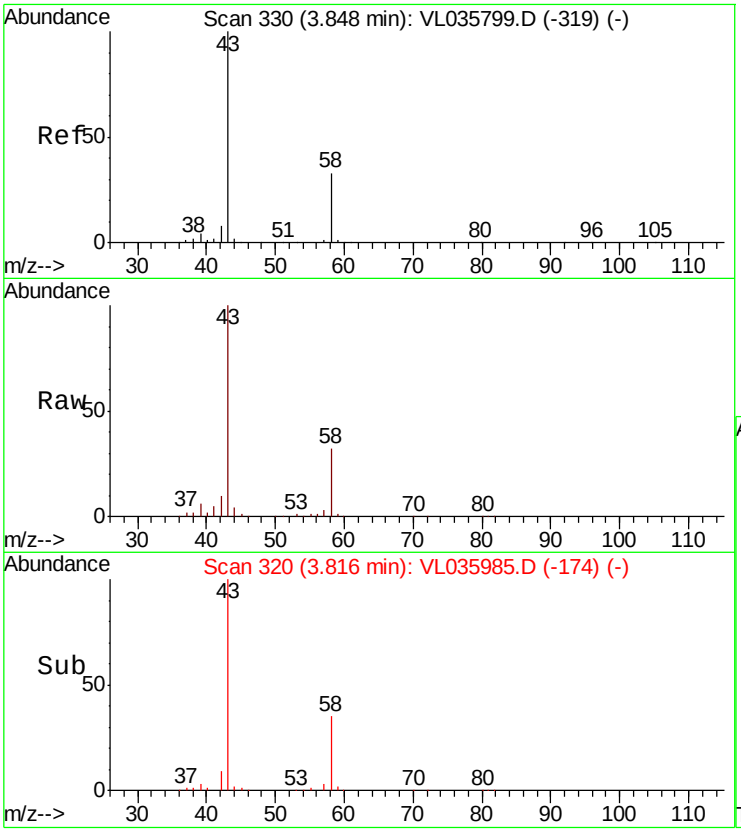


#13
Ethanol
Concen: 31.802 ppbv
RT: 3.57 min Scan# 243
Delta R.T. -0.04 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Tgt Ion: 45 Resp: 331412

Ion	Ratio	Lower	Upper
45	100		
46	38.7	16.1	64.5



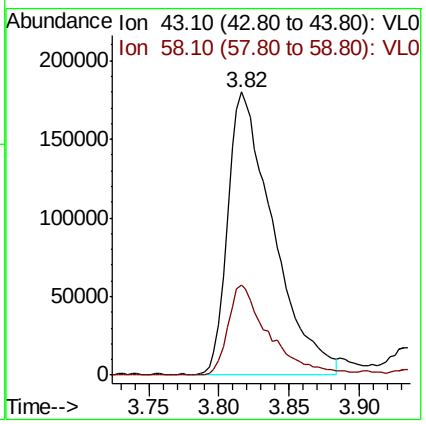


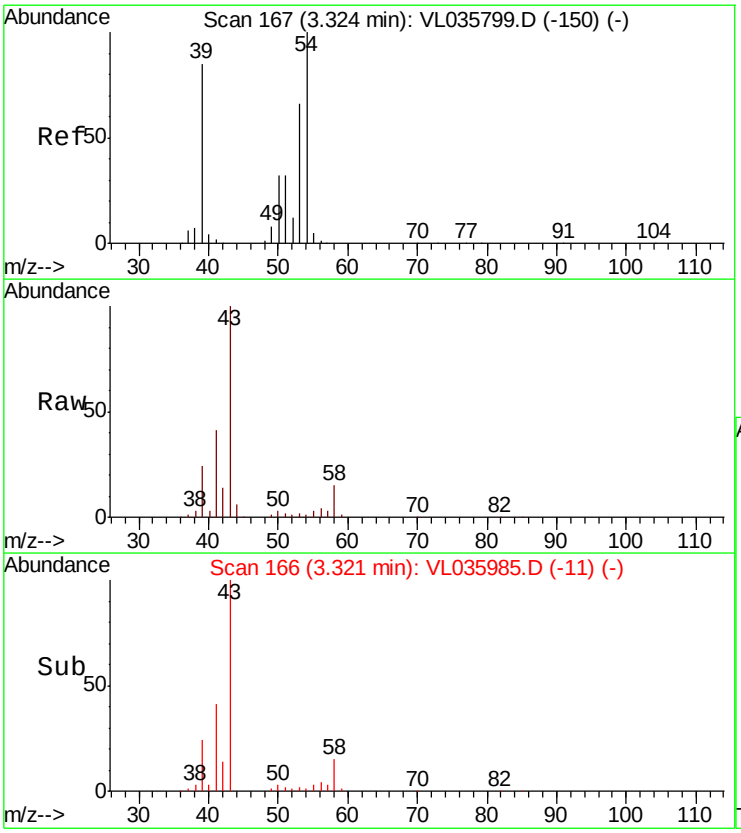
#15
Acetone
Concen: 3.452 ppbv
RT: 3.82 min Scan# 320
Delta R.T. -0.03 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 43 Resp: 404411

Ion	Ratio	Lower	Upper
43	100		
58	29.5	27.5	41.3

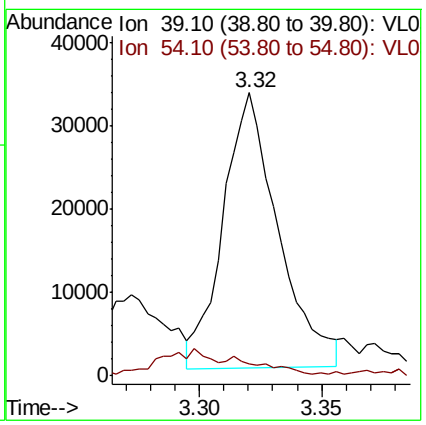


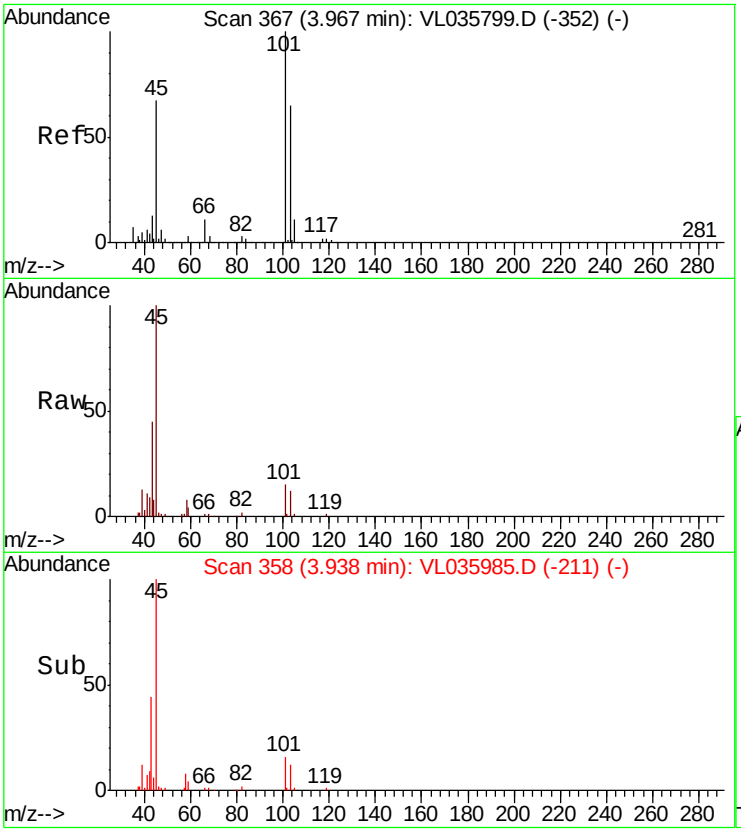


#16
1,3-Butadiene
Concen: 1.024 ppbv
RT: 3.32 min Scan# 166
Delta R.T. -0.00 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Tgt Ion: 39 Resp: 51678

Ion	Ratio	Lower	Upper
39	100		
54	14.6	87.1	130.7#



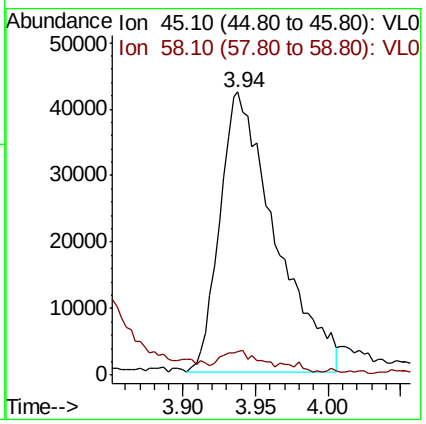


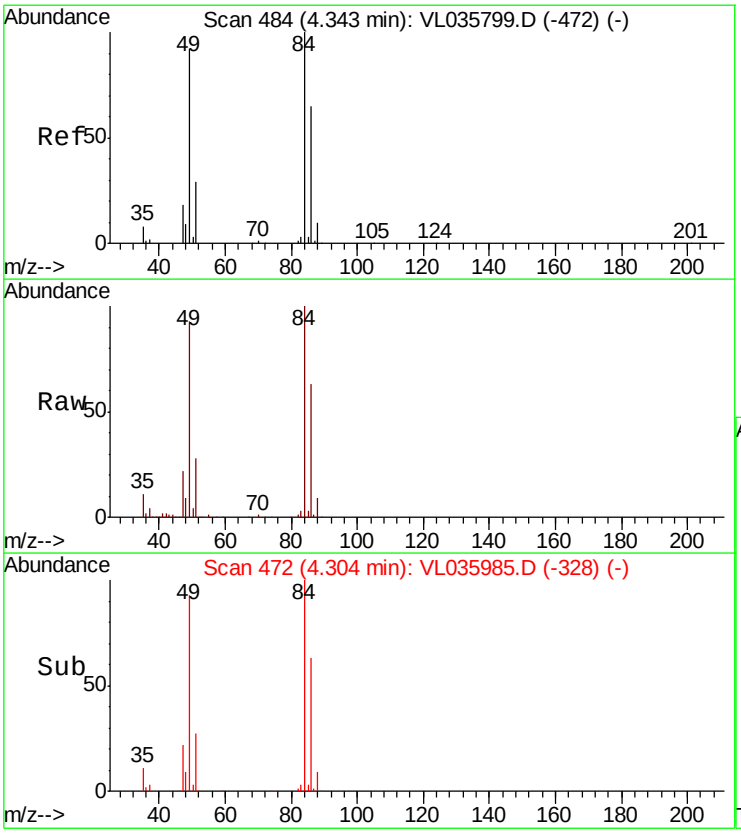
#19
Isopropyl Alcohol
Concen: 1.550 ppbv
RT: 3.94 min Scan# 358
Delta R.T. -0.03 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 45 Resp: 111578

Ion	Ratio	Lower	Upper
45	100		
58	7.8	2.6	3.8#

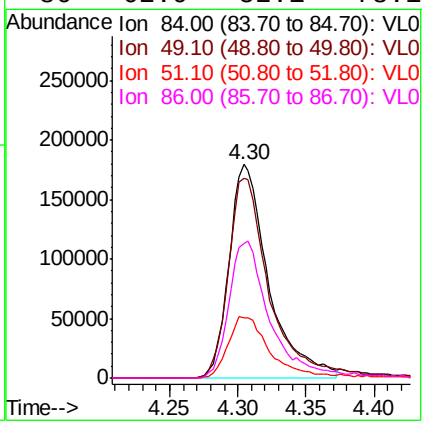


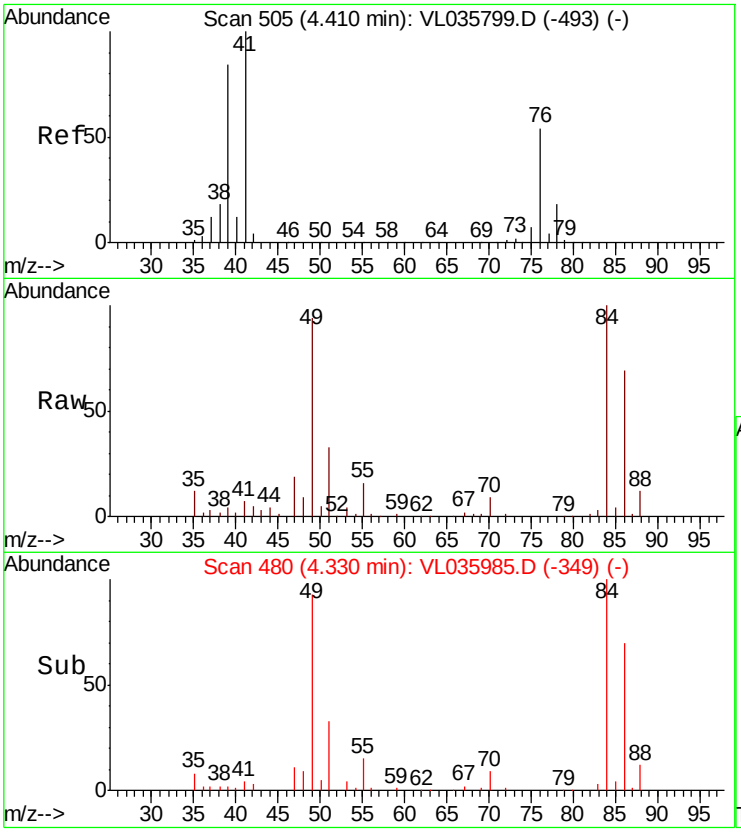


#20
Methylene Chloride
Concen: 4.380 ppbv
RT: 4.30 min Scan# 472
Delta R.T. -0.04 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Tgt Ion: 84 Resp: 361243

Ion	Ratio	Lower	Upper
84	100		
49	93.2	73.8	110.8
51	28.3	23.0	34.4
86	62.9	52.1	78.1



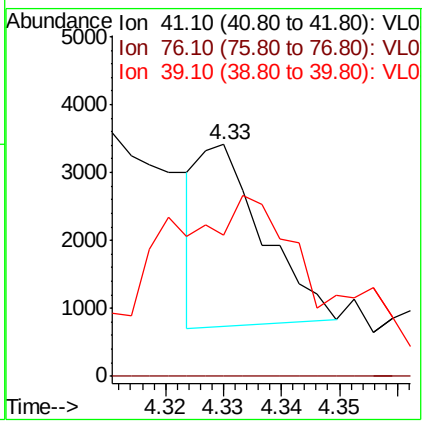


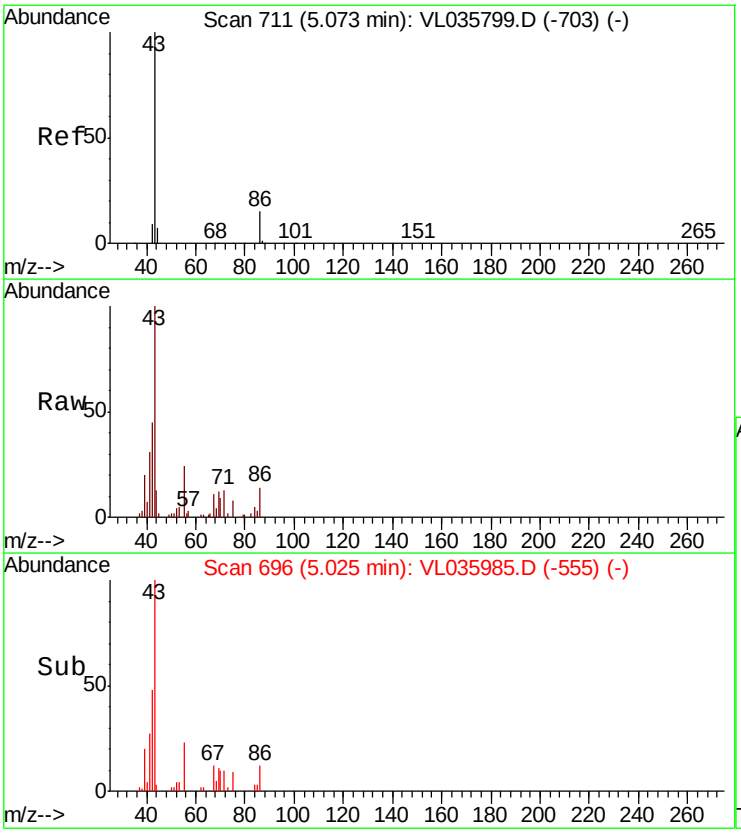
#21
Allvl Chloride
Concen: 0.032 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.08 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 41 Resp: 2041

Ion	Ratio	Lower	Upper
41	100		
76	0.0	42.6	63.8#
39	360.1	67.0	100.4#

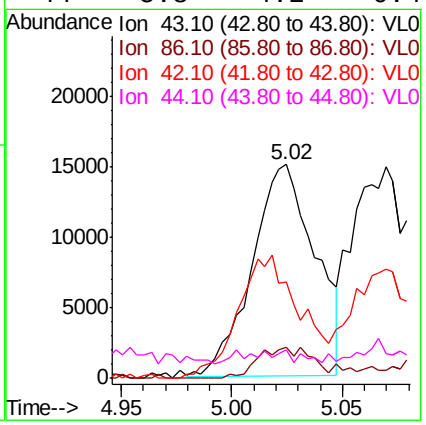


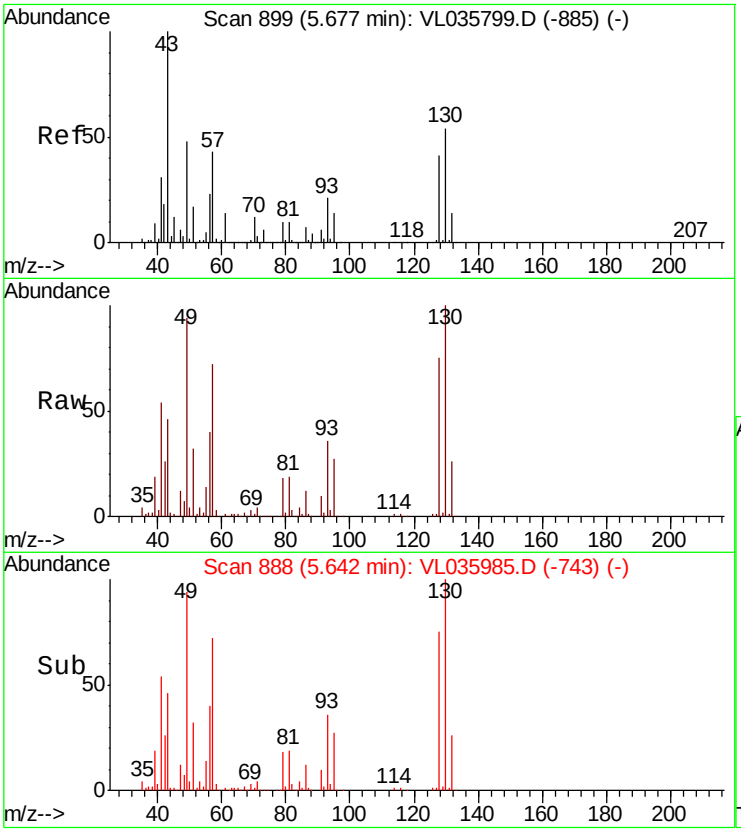


#23
Vinyl Acetate
Concen: 0.182 ppbv
RT: 5.02 min Scan# 696
Delta R.T. -0.05 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Tgt Ion: 43 Resp: 29861

Ion	Ratio	Lower	Upper
43	100		
86	14.3	9.8	14.6
42	44.2	8.1	12.1#
44	5.8	4.2	6.4



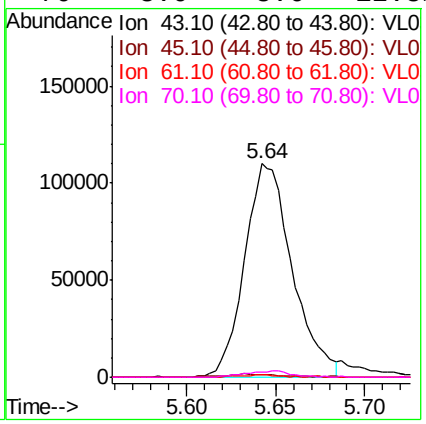


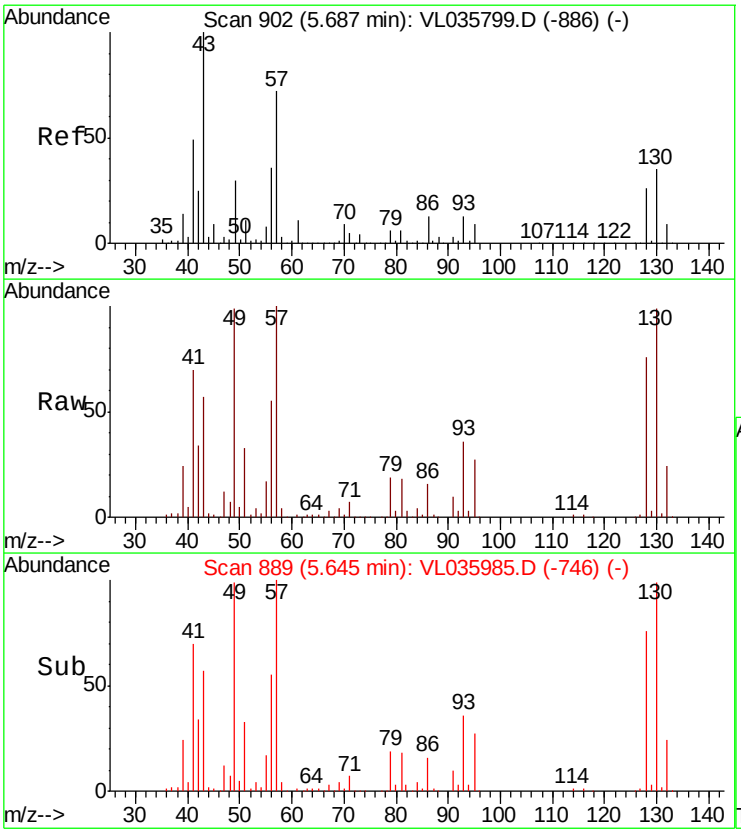
#25
Ethyl Acetate
Concen: 0.891 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.04 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 43 Resp: 205615

Ion	Ratio	Lower	Upper
43	100		
45	1.9	8.5	12.7#
61	1.2	10.7	16.1#
70	3.0	8.6	12.8#

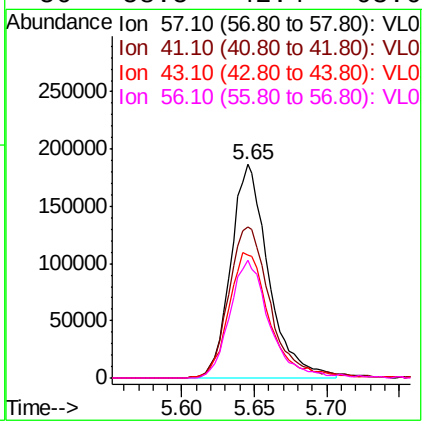


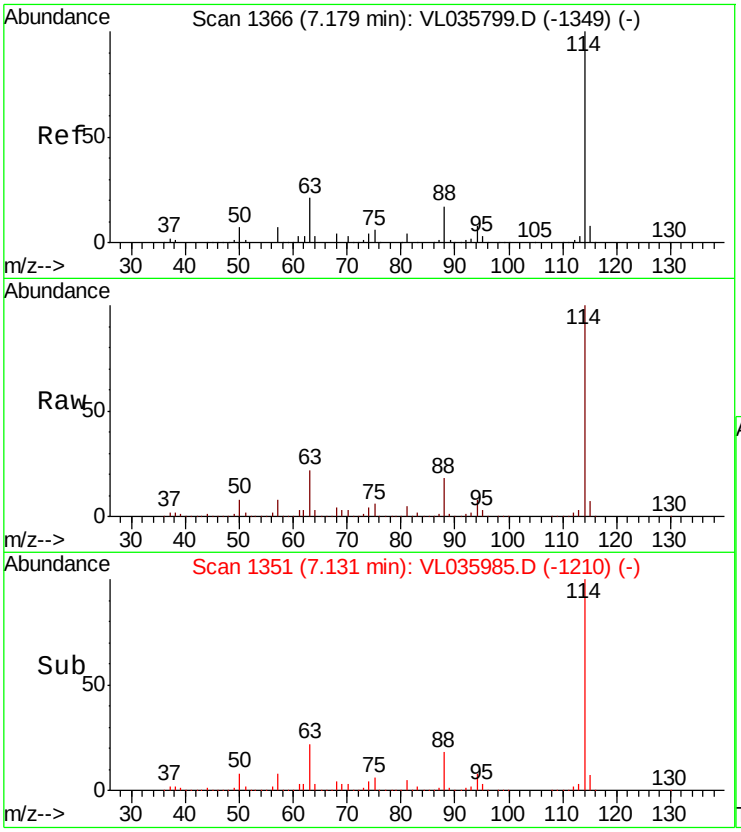


#26
Hexane
Concen: 2.649 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.04 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Tgt Ion: 57 Resp: 337260

Ion	Ratio	Lower	Upper
57	100		
41	79.4	58.9	88.3
43	64.5	150.2	225.2#
56	58.5	42.4	63.6



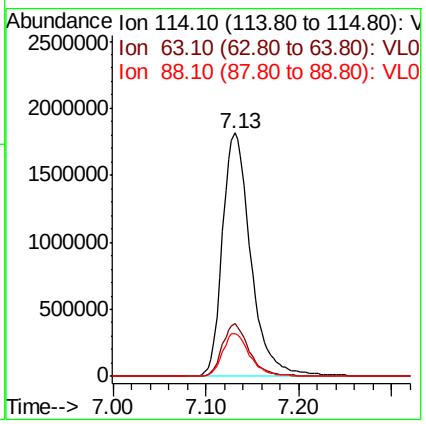


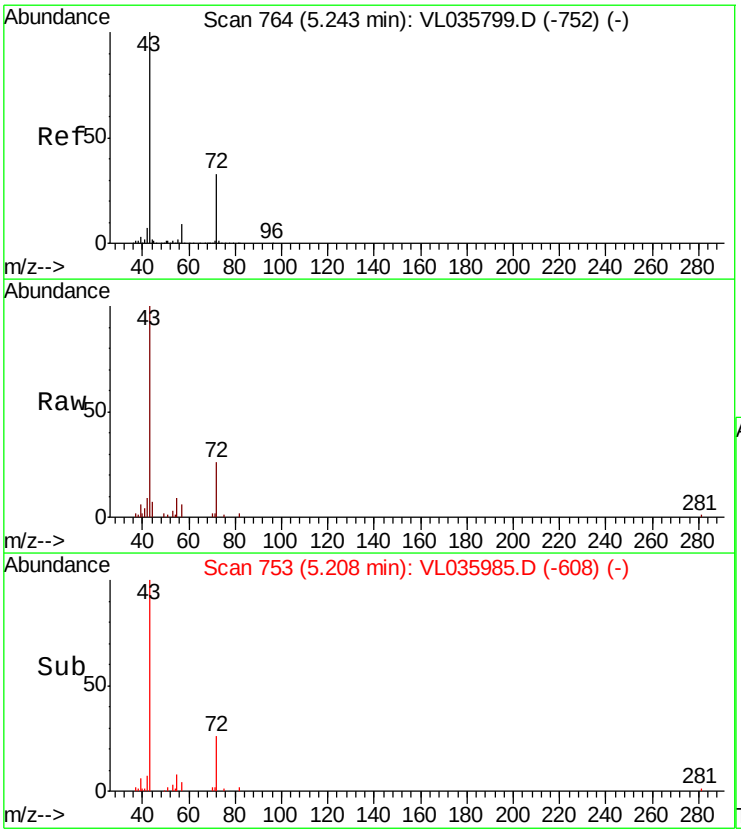
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.05 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:114 Resp: 3854732

Ion	Ratio	Lower	Upper
114	100		
63	20.9	16.1	24.1
88	17.3	13.7	20.5

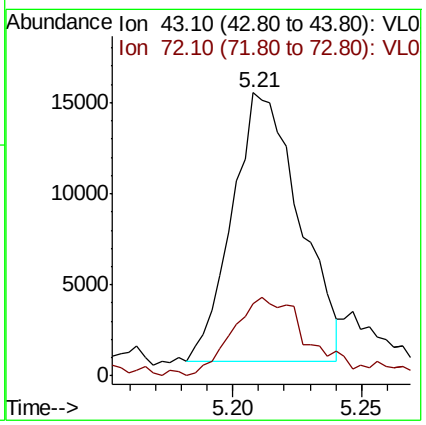


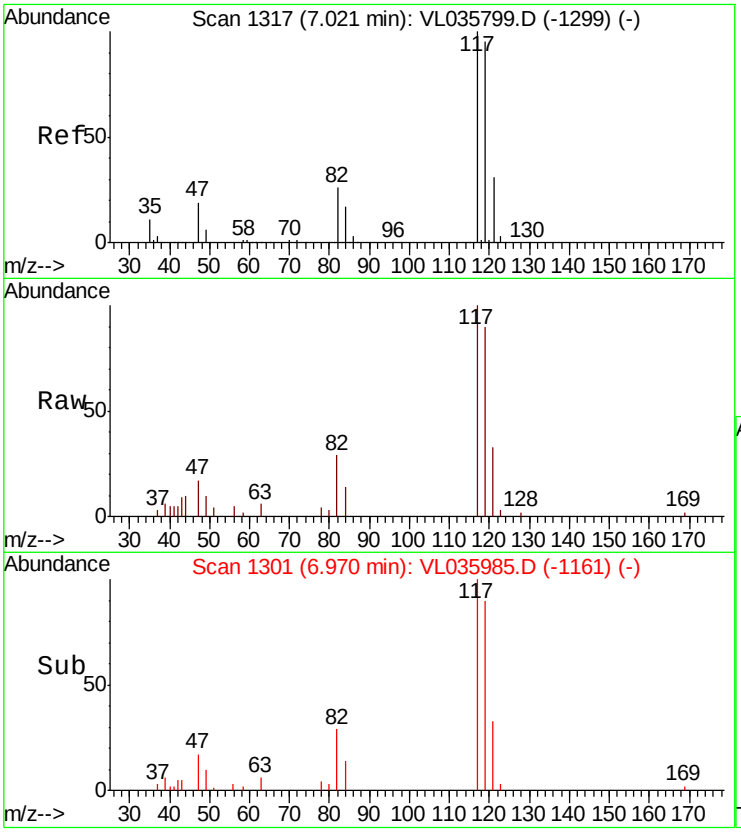


#34
2-Butanone
Concen: 0.214 ppbv
RT: 5.21 min Scan# 753
Delta R.T. -0.04 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Tgt Ion: 43 Resp: 26739

Ion	Ratio	Lower	Upper
43	100		
72	36.1	26.5	39.7



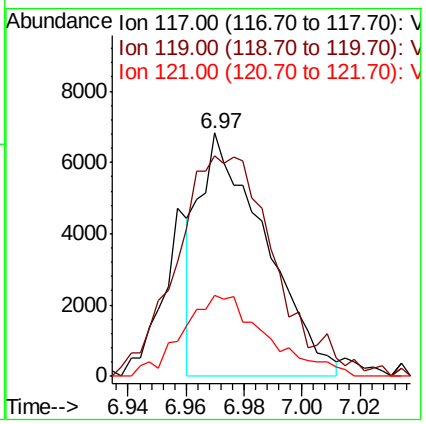


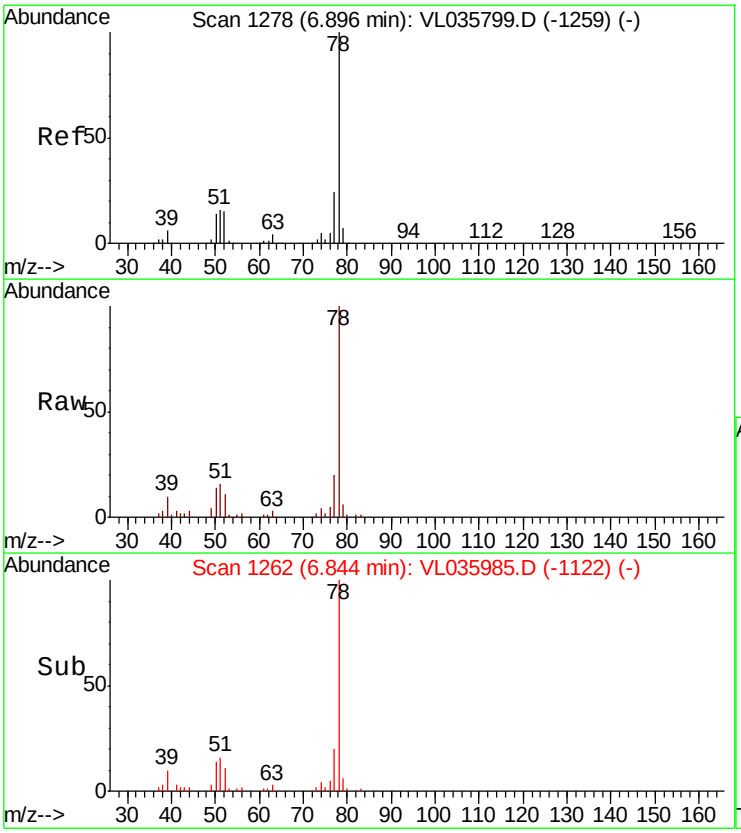
#35
Carbon Tetrachloride
Concen: 0.052 ppbv
RT: 6.97 min Scan# 1301
Delta R.T. -0.05 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:117 Resp: 10795

Ion	Ratio	Lower	Upper
117	100		
119	88.1	75.6	113.4
121	31.4	25.1	37.7

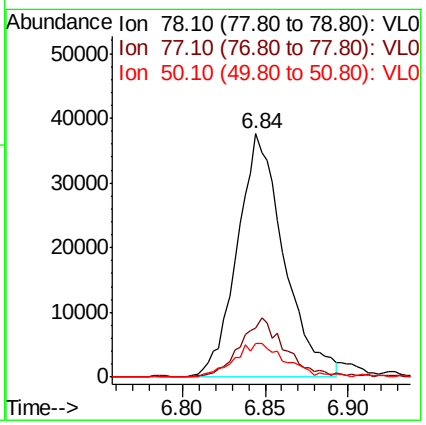


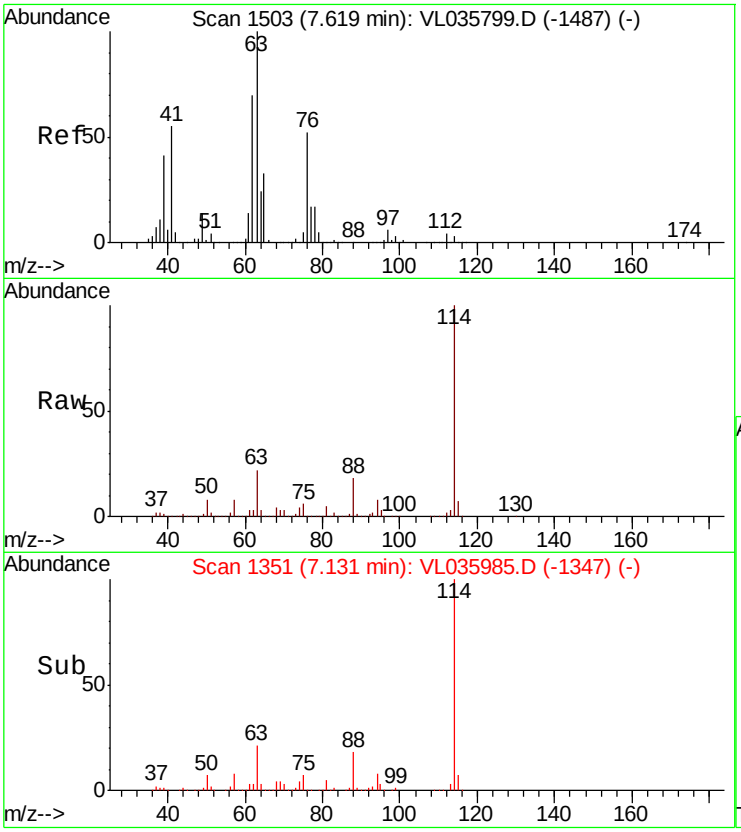


#36
Benzene
Concen: 0.256 ppbv
RT: 6.84 min Scan# 1262
Delta R.T. -0.05 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Tgt Ion: 78 Resp: 73479

Ion	Ratio	Lower	Upper
78	100		
77	20.1	19.3	28.9
50	13.9	11.4	17.2



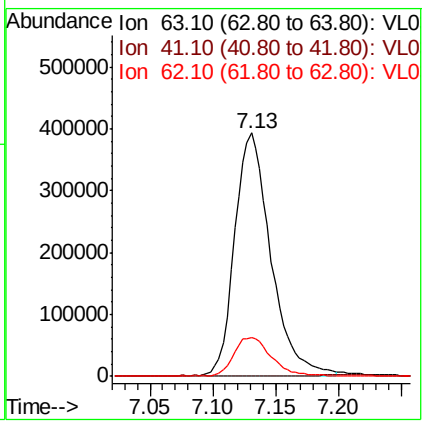


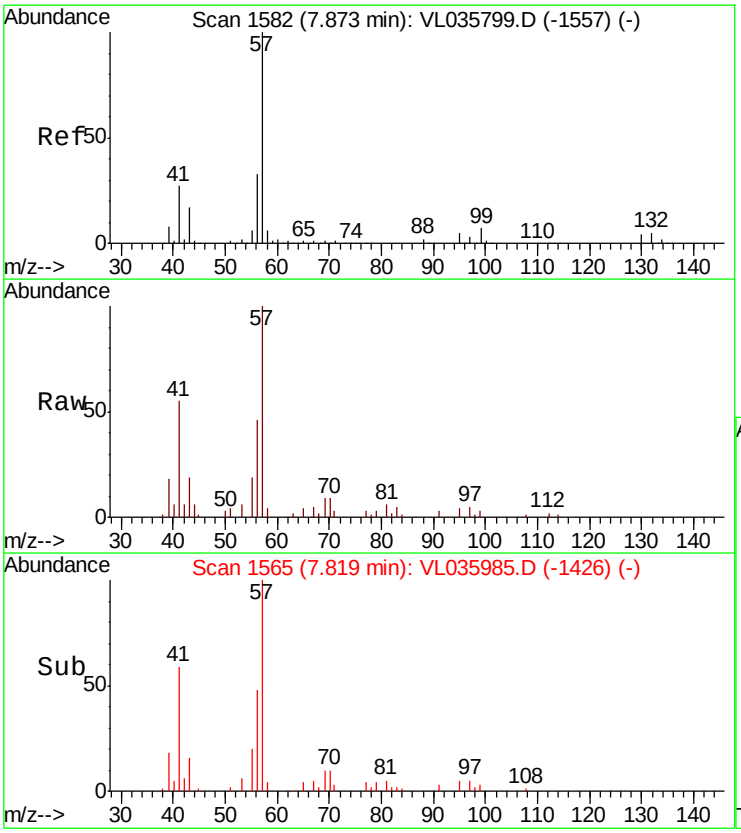
#39
1,2-Dichloropropane
Concen: 8.201 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.49 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 63 Resp: 791217

Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	16.0	56.2	84.2#

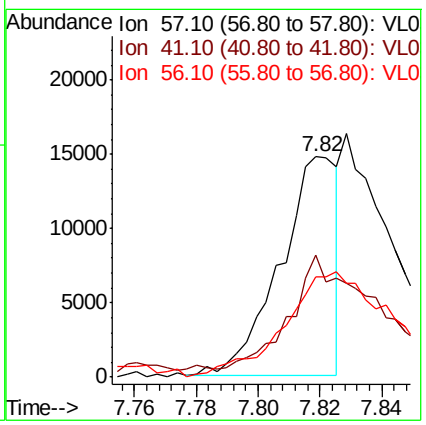


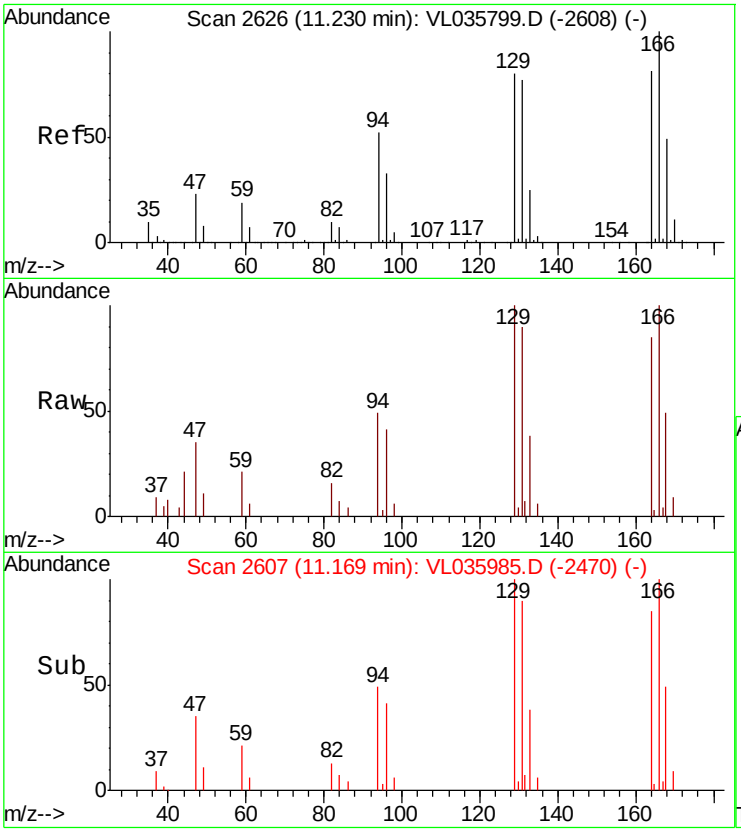


#44
2,2,4-Trimethylpentane
Concen: 0.049 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. -0.05 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Tgt Ion: 57 Resp: 18746

Ion	Ratio	Lower	Upper
57	100		
41	121.7	21.0	31.4#
56	0.0	25.4	38.0#



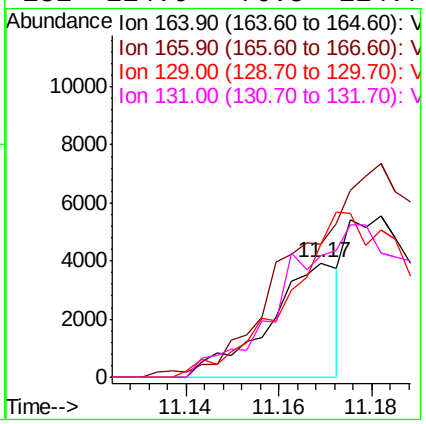


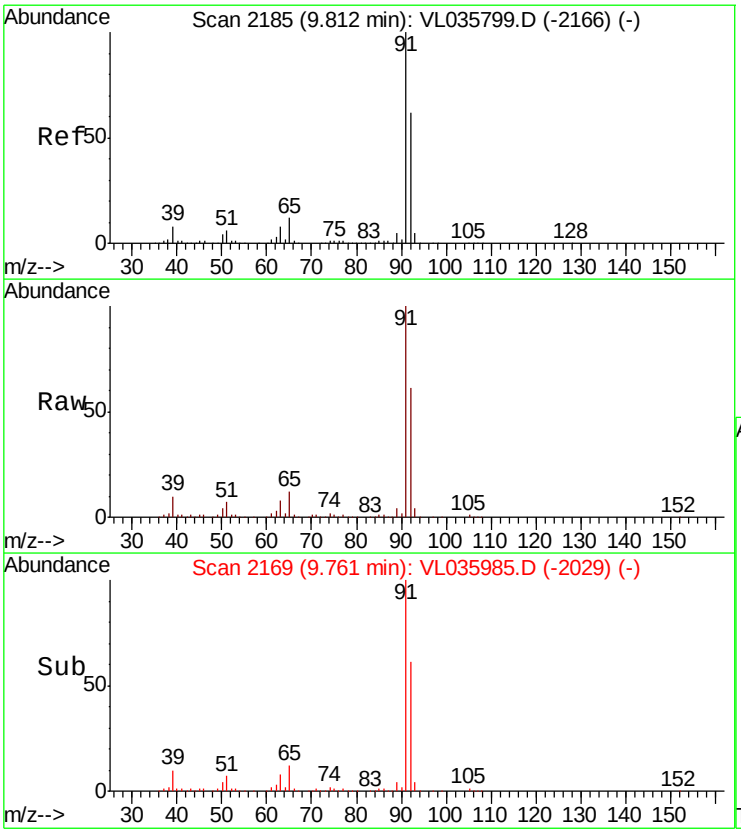
#52
Tetrachloroethene
Concen: 0.030 ppbv
RT: 11.17 min Scan# 2607
Delta R.T. -0.06 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion:164 Resp: 4116

Ion	Ratio	Lower	Upper
164	100		
166	112.2	99.3	148.9
129	111.3	79.3	118.9
131	114.6	76.5	114.7

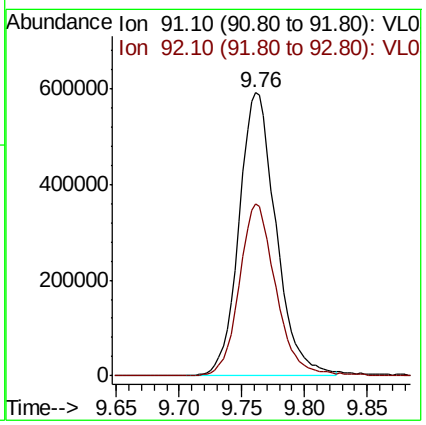


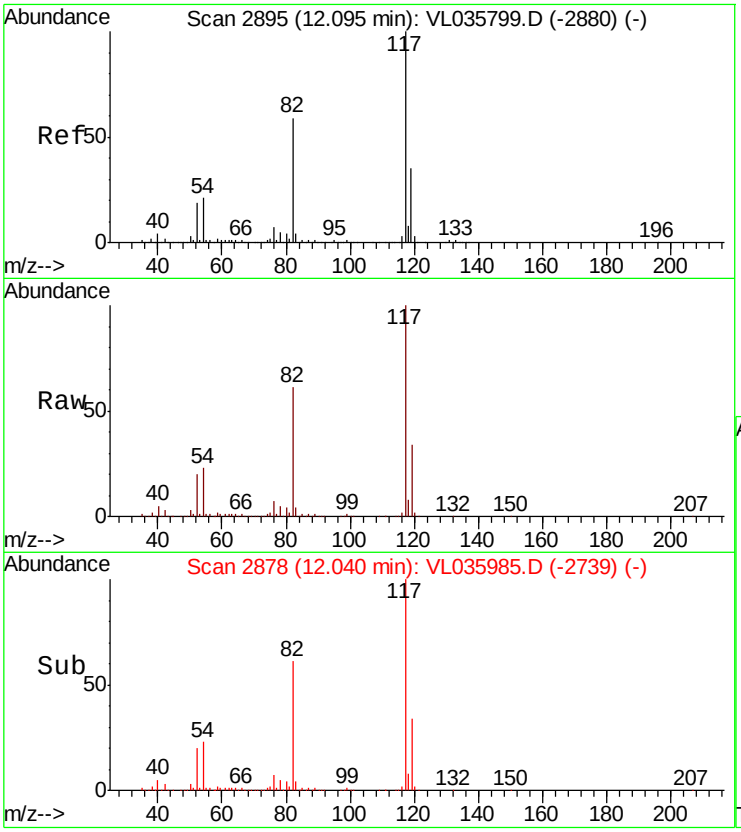


#53
Toluene
Concen: 3.506 ppbv
RT: 9.76 min Scan# 2169
Delta R.T. -0.05 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Tgt Ion: 91 Resp: 1212399

Ion	Ratio	Lower	Upper
91	100		
92	60.5	49.8	74.6



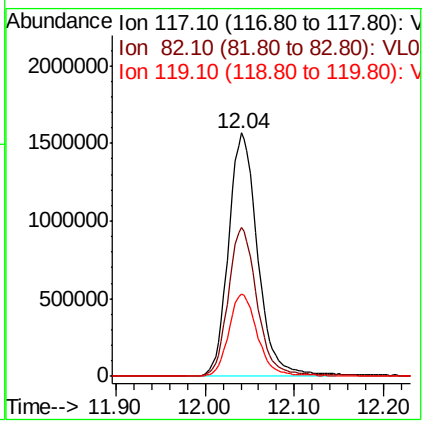


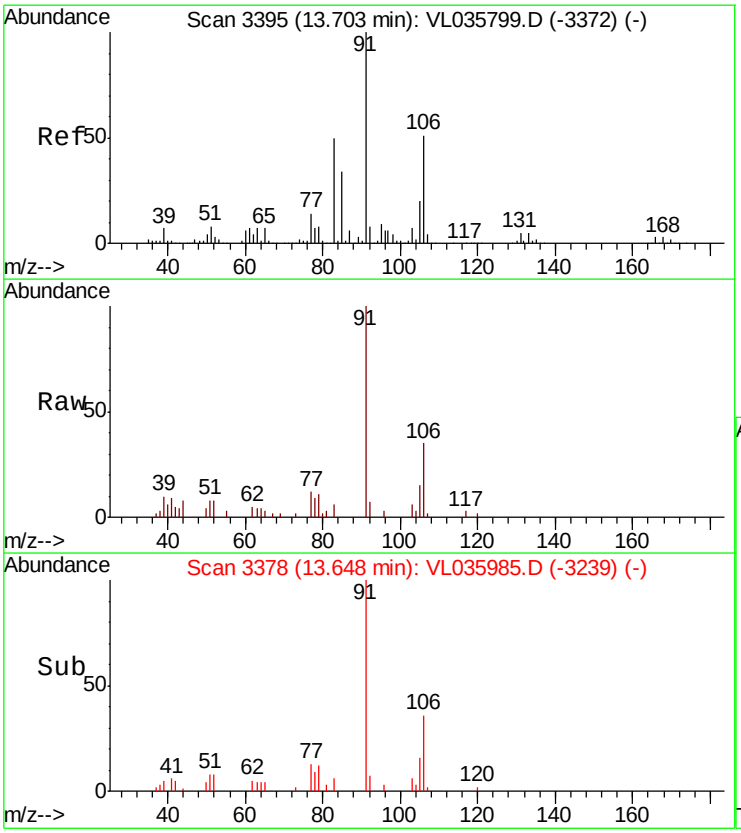
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.04 min Scan# 2878
Delta R.T. -0.05 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion:117 Resp: 3558030

Ion	Ratio	Lower	Upper
117	100		
82	61.6	50.6	76.0
119	34.0	52.6	78.8#

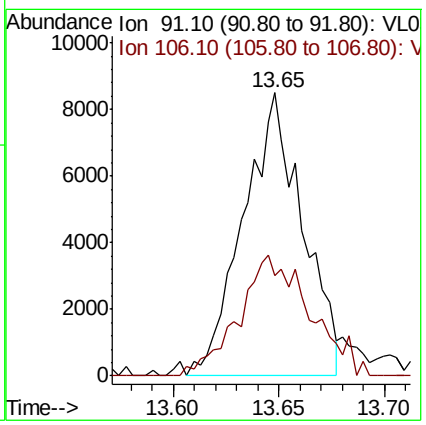


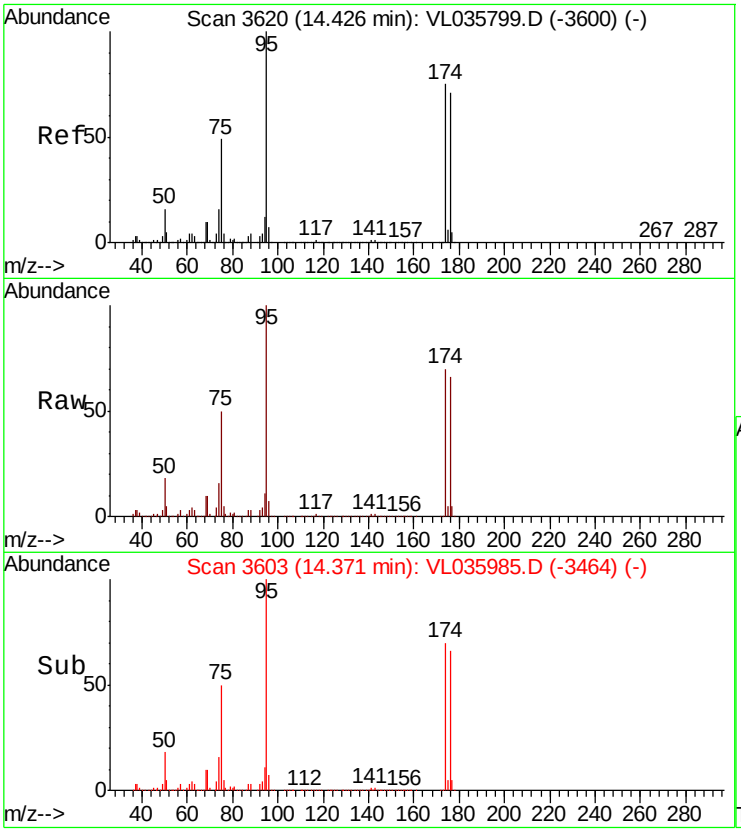


#60
o-Xylene
Concen: 0.047 ppbv
RT: 13.65 min Scan# 3378
Delta R.T. -0.05 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Tgt Ion: 91 Resp: 16617

Ion	Ratio	Lower	Upper
91	100		
106	51.2	24.8	74.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.497 ppbv
RT: 14.37 min Scan# 3603
Delta R.T. -0.05 min
Lab File: VL035985.D
Acq: 18 Nov 2020 22:45

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 95 Resp: 2653569

Ion	Ratio	Lower	Upper
95	100		
174	71.2	59.8	89.6
175	5.0	4.3	6.5