Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111220\
Data File : VL035915.D
Acq On : 12 Nov 2020 16:04
Operator : SY/AP
Sample : L4720-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : CVS-2

Quant Time: Nov 13 00:58:21 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	5.66	49	1193183	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	4212015	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	3897412	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	2835436	10.24	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	59371	0.264	ppbv		93
3) Chlorodifluoromethane	2.96	51	253462	1.774	ppbv	#	65
4) Chloromethane	3.13	50	40206	0.579	ppbv		94
7) Chloroethane	3.55	64	3704	0.119	ppbv	#	81
9) Propene	3.01	41	57748	1.104	ppbv		86
10) Heptane	8.11	43	6090	0.042	ppbv	#	1
11) Trichlorofluoromethane	3.94	101	64484	0.229	ppbv		93
12) 1,1,2-Trichlorotrifluoroet	4.48	101	15031	0.072	ppbv		97
13) Ethanol	3.65	45	23739128	2092.314	ppbv		93
15) Acetone	3.84	43	1174606	9.208	ppbv		95
16) 1,3-Butadiene	3.30	39	8898	0.162	ppbv	#	23
19) Isopropyl Alcohol	4.02	45	12621977	161.013	ppbv	#	96
20) Methylene Chloride	4.34	84	274654	3.059	ppbv		97
21) Allyl Chloride	4.12	41	169775	2.461	ppbv	#	63
23) Vinyl Acetate	5.06	43	34009	0.190	ppbv	#	1
25) Ethyl Acetate	5.68	43	184519	0.734	ppbv	#	85
26) Hexane	5.68	57	227623	1.642	ppbv	#	54
34) 2-Butanone	5.24	43	65226	0.477	ppbv		98
35) Carbon Tetrachloride	7.01	117	11197	0.050	ppbv		99
36) Benzene	6.89	78	71133	0.227	ppbv		98
39) 1,2-Dichloropropane	7.17	63	872539	8.276	ppbv	#	30
44) 2,2,4-Trimethylpentane	7.86	57	76209	0.184	ppbv	#	71
53) Toluene	9.81	91	511743	1.354	ppbv		97
58) Ethyl Benzene	12.71	91	20827	0.044	ppbv	#	75
59) m/p-Xylene	12.97	91	114278	0.285	ppbv		100
60) o-Xylene	13.69	91	26074	0.067	ppbv		70
74) 1,2,4-Trimethylbenzene	16.77	105	21451	0.046	ppbv	#	71

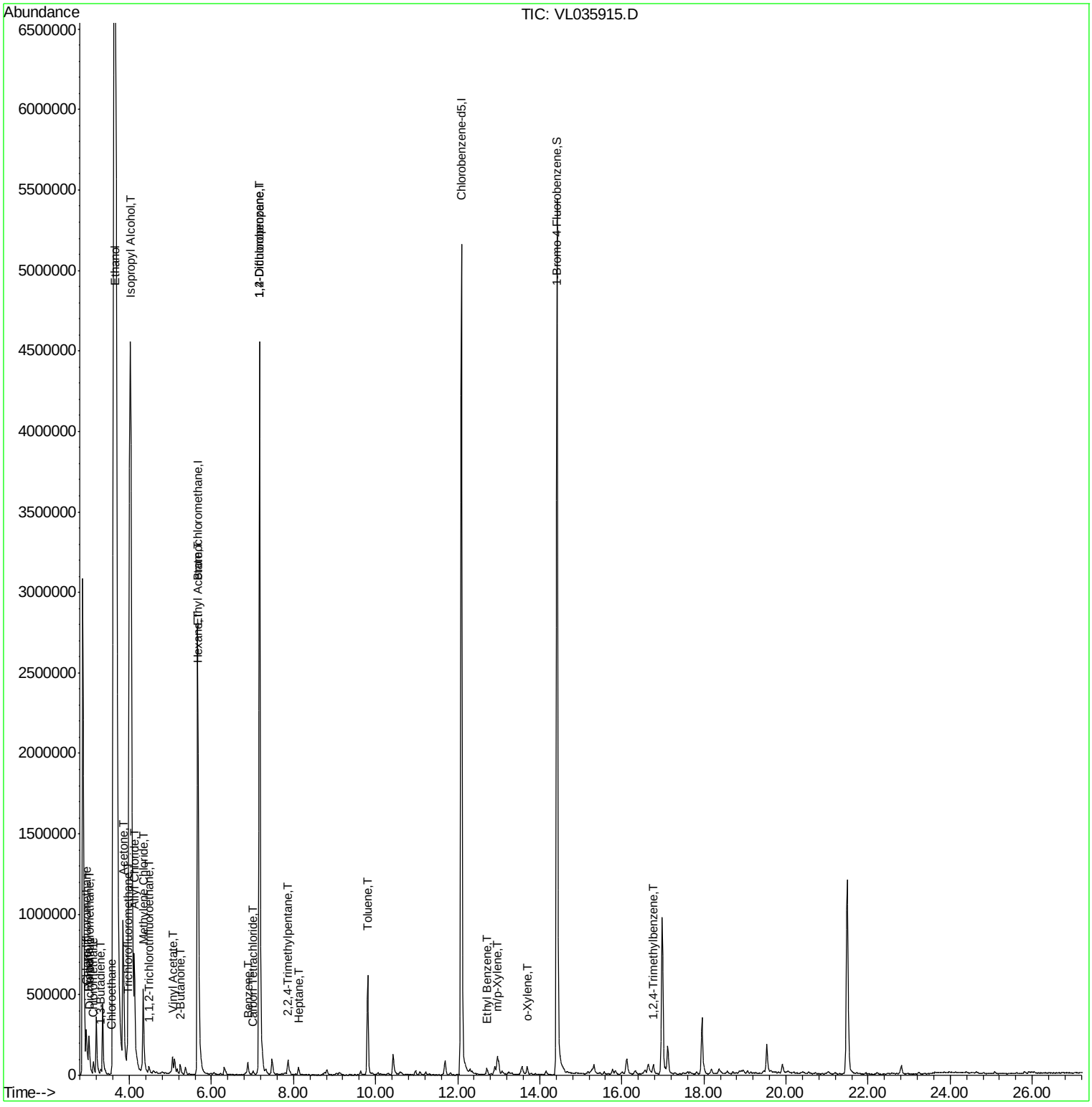
(#) = qualifier out of range (m) = manual integration (+) = signals summed

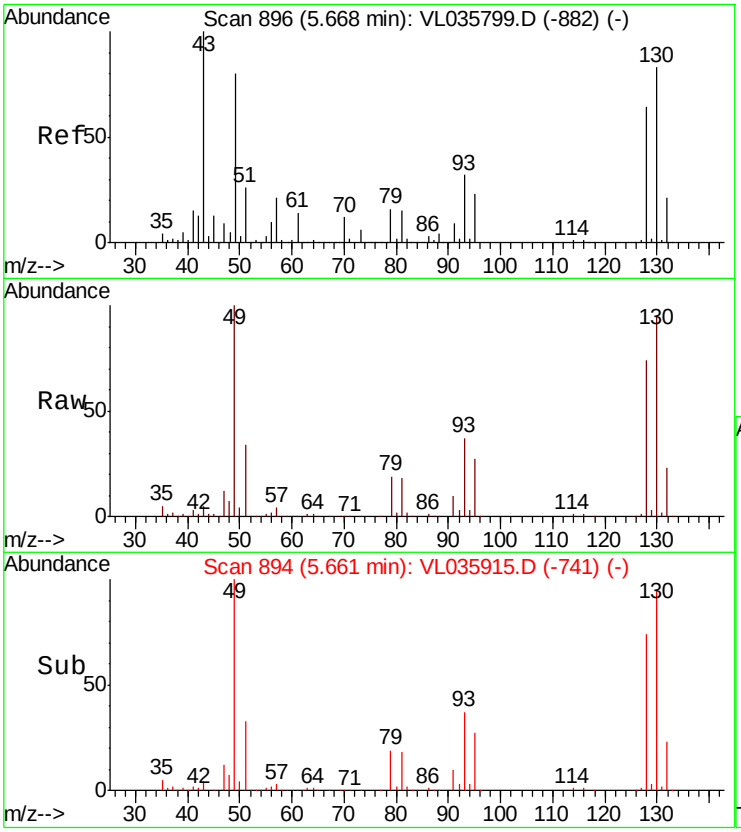
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111220\
Data File : VL035915.D
Acq On : 12 Nov 2020 16:04
Operator : SY/AP
Sample : L4720-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : CVS-2

Quant Time: Nov 13 00:58:21 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



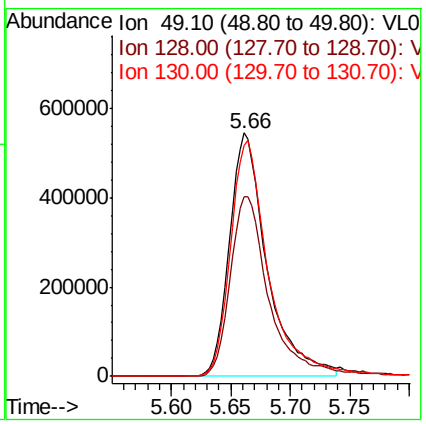


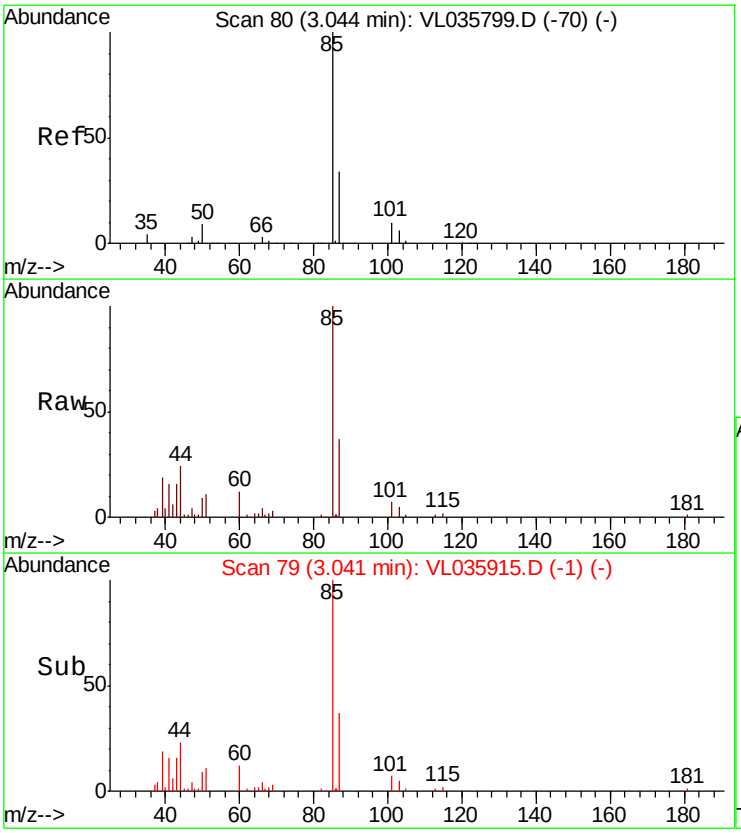
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Instrument :
MSVOA_L
ClientSampleId :
CVS-2

Tgt Ion: 49 Resp: 1193183

Ion	Ratio	Lower	Upper
49	100		
128	77.8	41.5	124.6
130	99.8	53.7	161.1

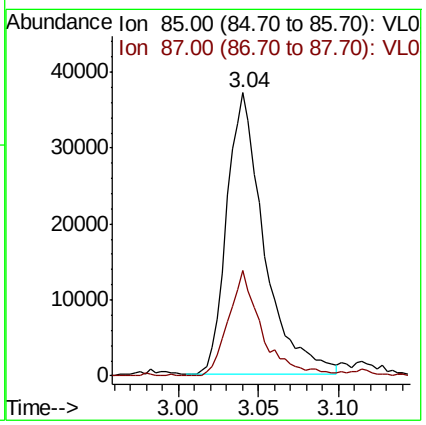


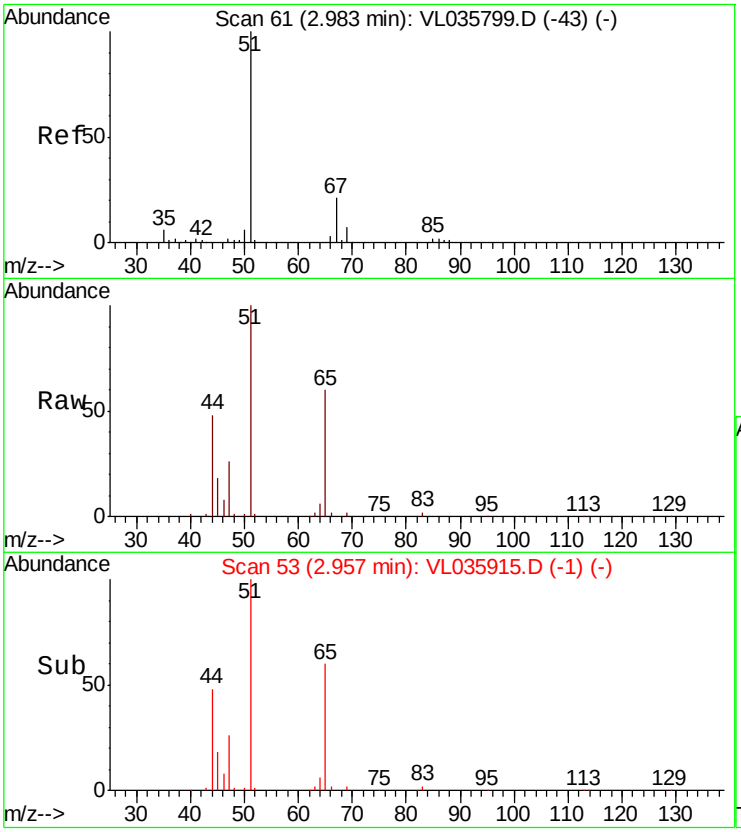


#2
Dichlorodifluoromethane
Concen: 0.264 ppbv
RT: 3.04 min Scan# 79
Delta R.T. -0.00 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Tgt Ion: 85 Resp: 59371

Ion	Ratio	Lower	Upper
85	100		
87	37.6	27.1	40.7



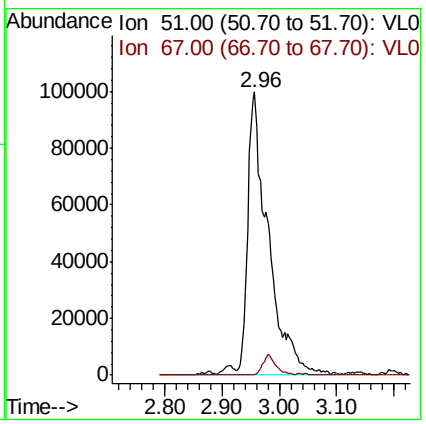


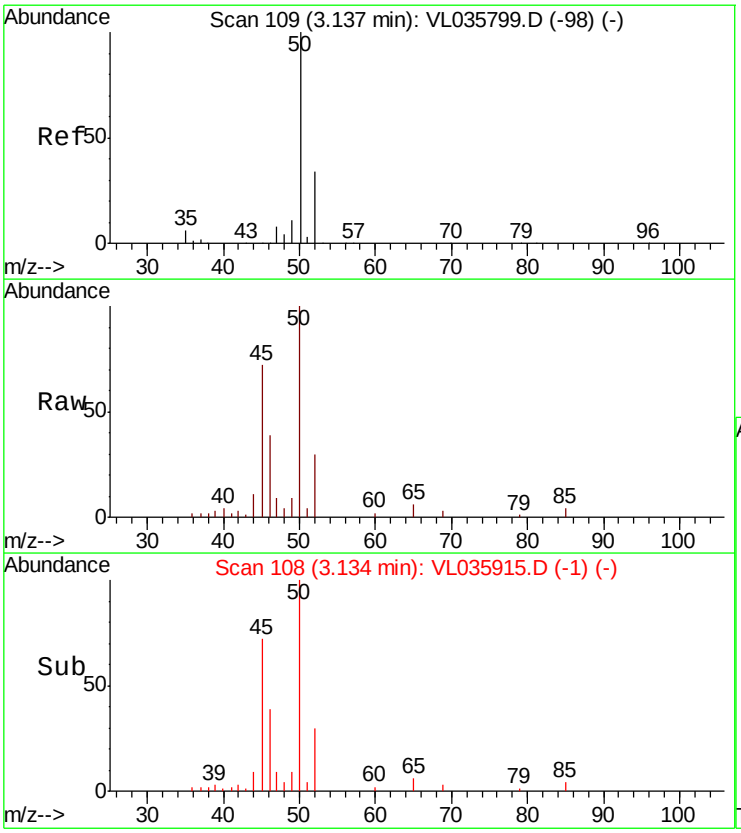
#3
Chlorodifluoromethane
Concen: 1.774 ppbv
RT: 2.96 min Scan# 53
Delta R.T. -0.03 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Instrument : MSVOA_L
ClientSampleId : CVS-2

Tgt Ion: 51 Resp: 253462

Ion	Ratio	Lower	Upper
51	100		
67	4.9	17.0	25.4#

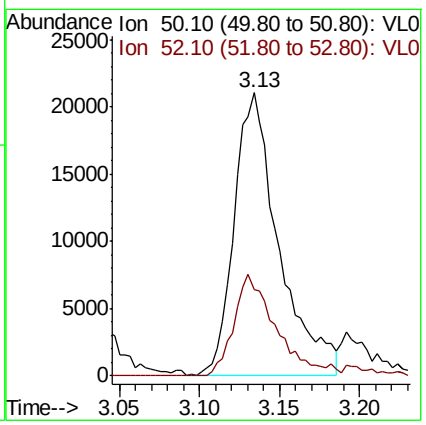


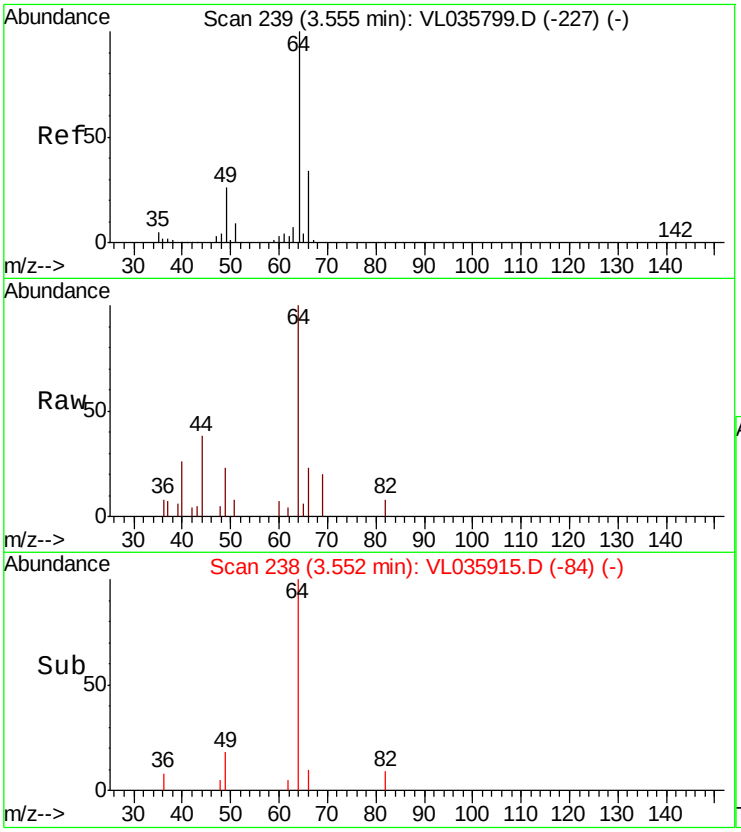


#4
Chloromethane
Concen: 0.579 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.00 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Tgt Ion: 50 Resp: 40206

Ion	Ratio	Lower	Upper
50	100		
52	30.3	27.1	40.7



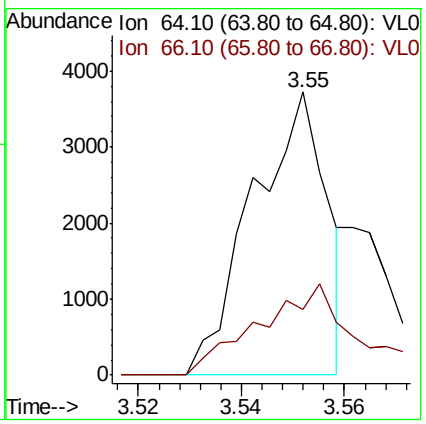


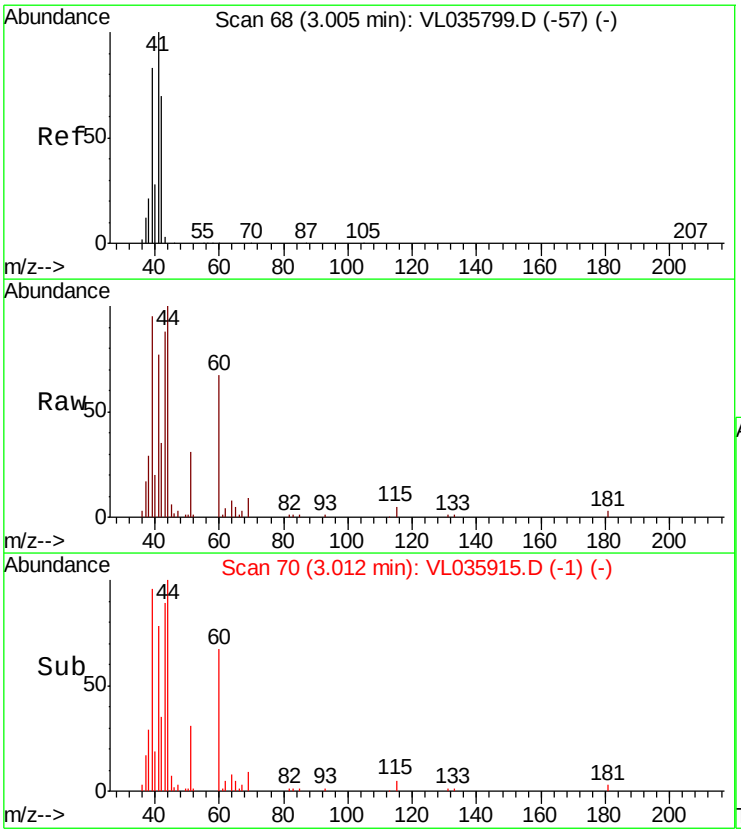
#7
Chloroethane
Concen: 0.119 ppbv
RT: 3.55 min Scan# 238
Delta R.T. -0.00 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Instrument :
MSVOA_L
ClientSampleId :
CVS-2

Tgt Ion: 64 Resp: 3704

Ion	Ratio	Lower	Upper
64	100		
66	23.2	27.0	40.6#

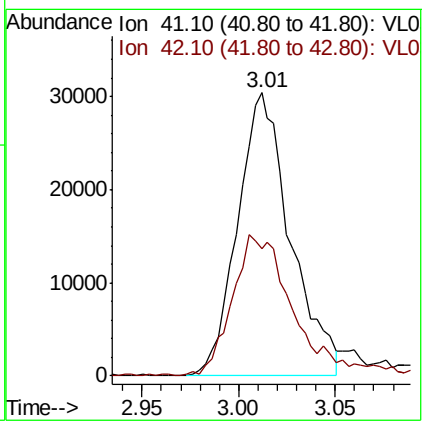


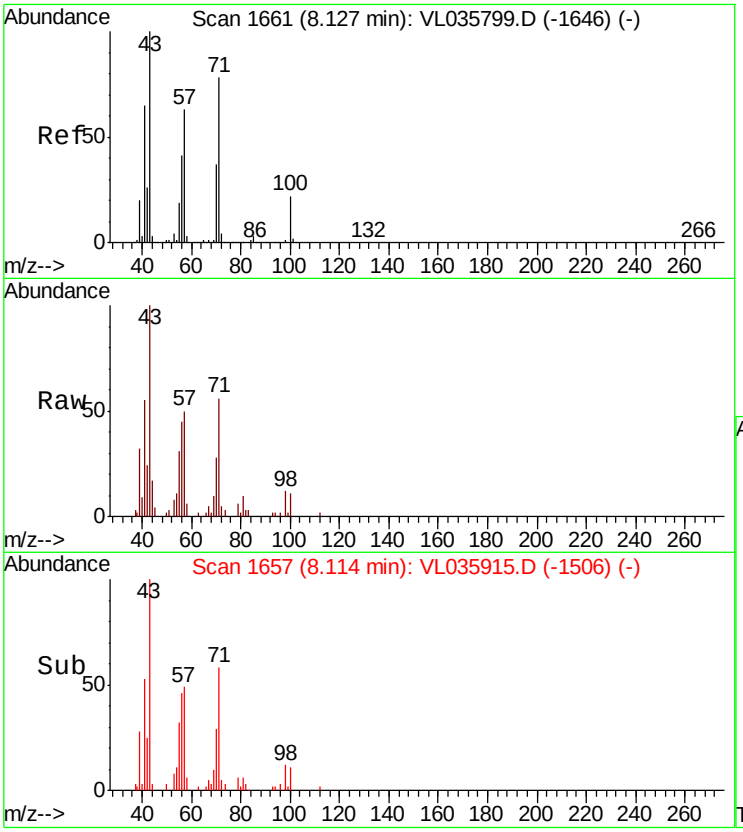


#9
Propene
Concen: 1.104 ppbv
RT: 3.01 min Scan# 70
Delta R.T. 0.01 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Tgt Ion: 41 Resp: 57748

Ion	Ratio	Lower	Upper
41	100		
42	58.8	56.2	84.4



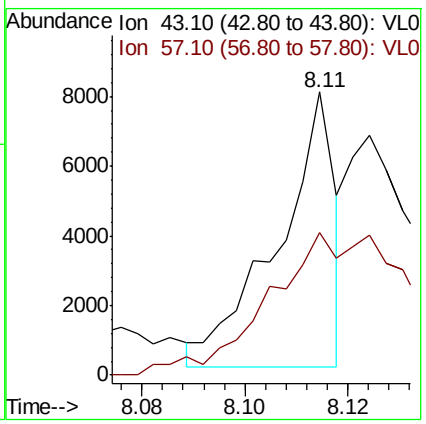


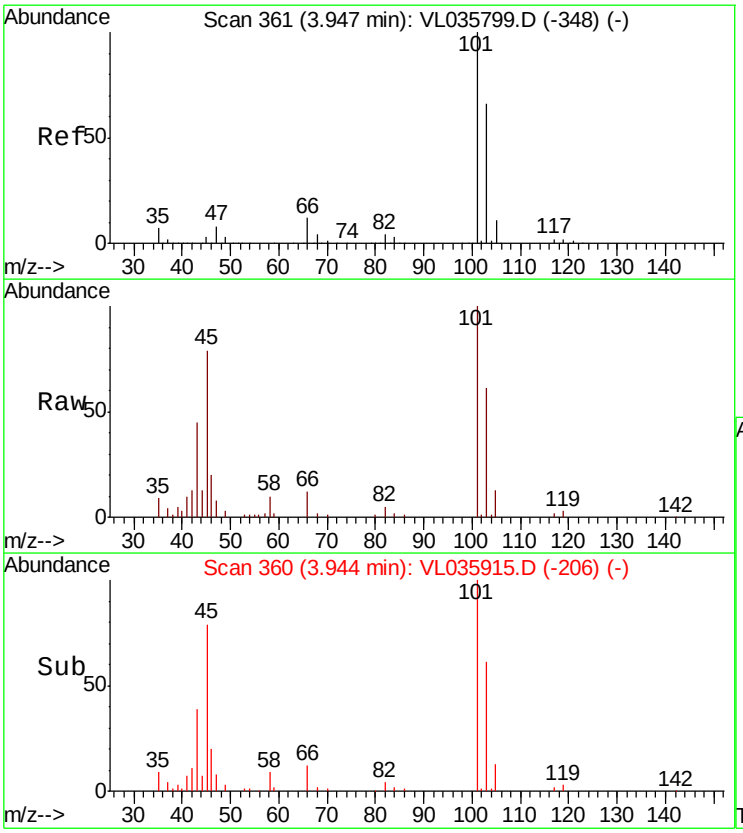
#10
Heptane
Concen: 0.042 ppbv
RT: 8.11 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Instrument :
MSVOA_L
ClientSampleId :
CVS-2

Tgt Ion: 43 Resp: 6090

Ion	Ratio	Lower	Upper
43	100		
57	144.3	50.0	75.0#

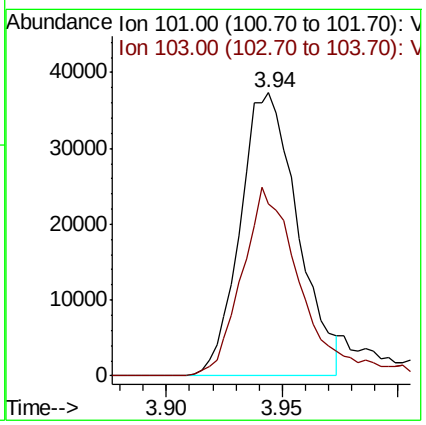


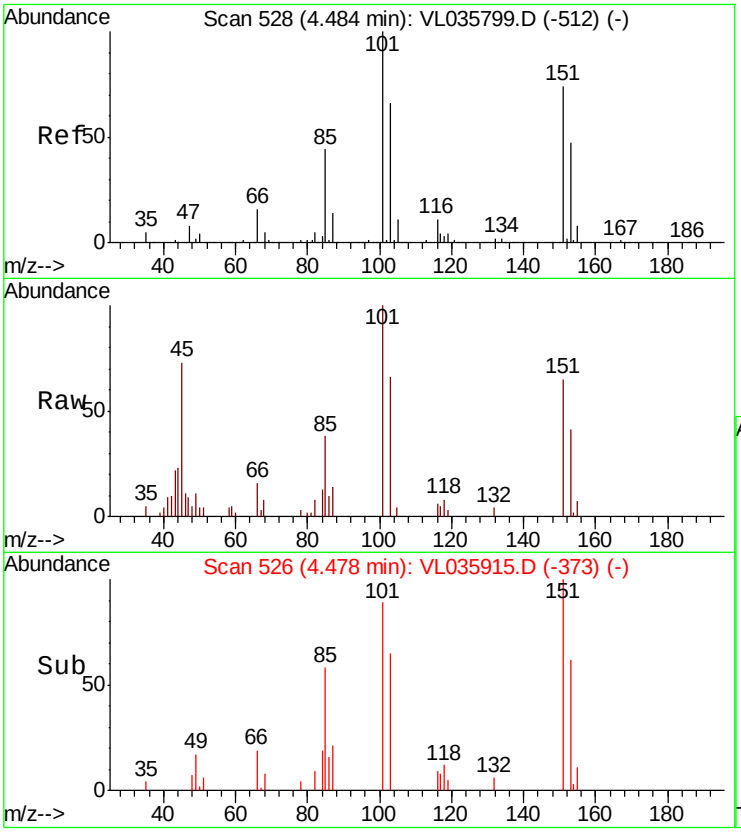


#11
Trichlorofluoromethane
Concen: 0.229 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.00 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Tgt Ion:101 Resp: 64484

Ion	Ratio	Lower	Upper
101	100		
103	61.0	53.0	79.4



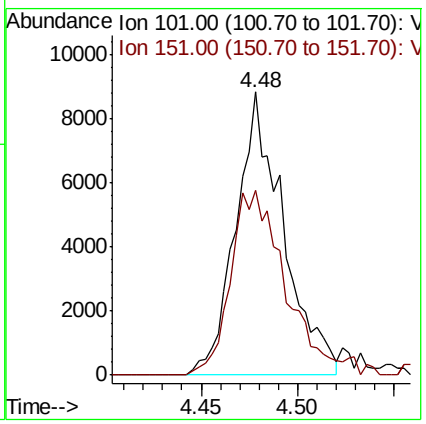


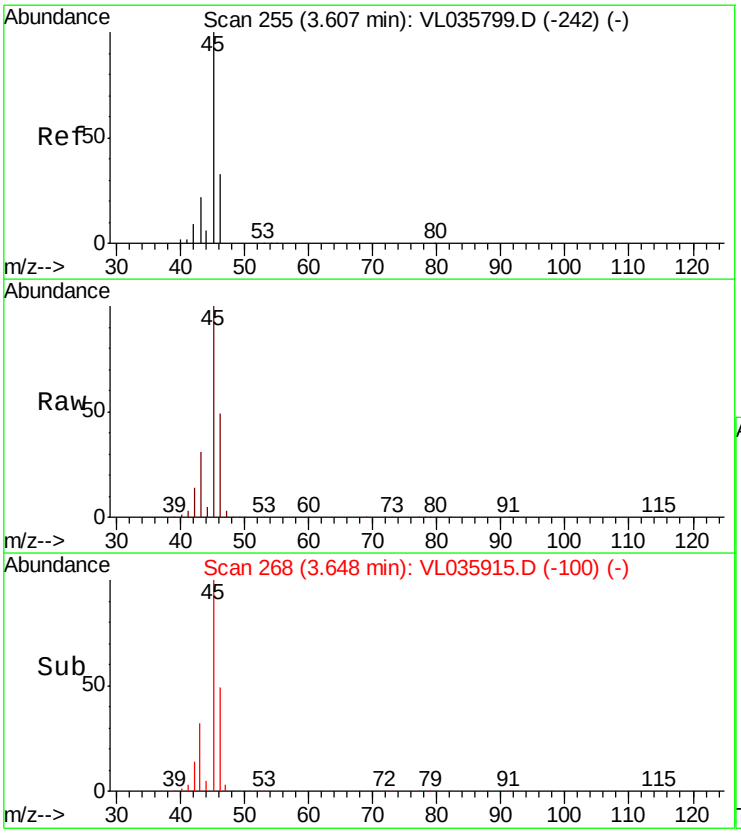
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.072 ppbv
RT: 4.48 min Scan# 526
Delta R.T. -0.01 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Instrument :
MSVOA_L
ClientSampleId :
CVS-2

Tgt Ion:101 Resp: 15031

Ion	Ratio	Lower	Upper
101	100		
151	76.4	58.9	88.3

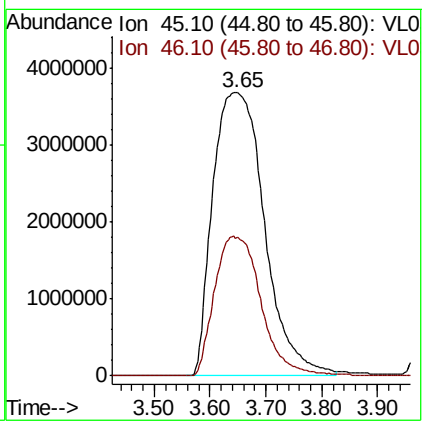


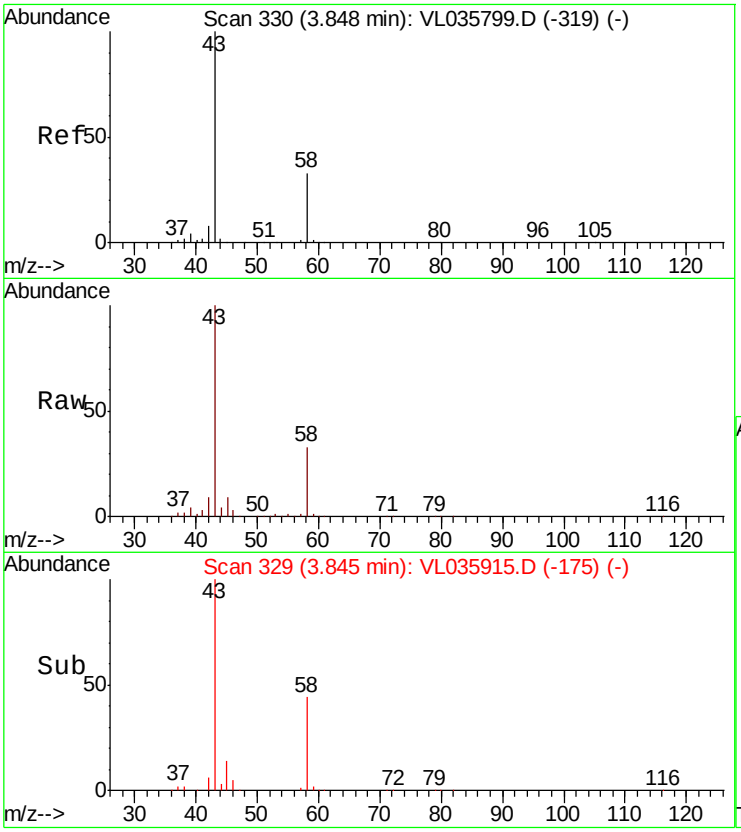


#13
Ethanol
Concen: 2092.314 ppbv
RT: 3.65 min Scan# 268
Delta R.T. 0.04 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Tgt Ion: 45 Resp:23739128

Ion	Ratio	Lower	Upper
45	100		
46	44.5	16.1	64.5



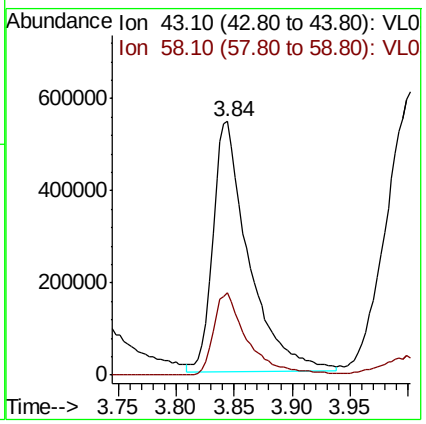


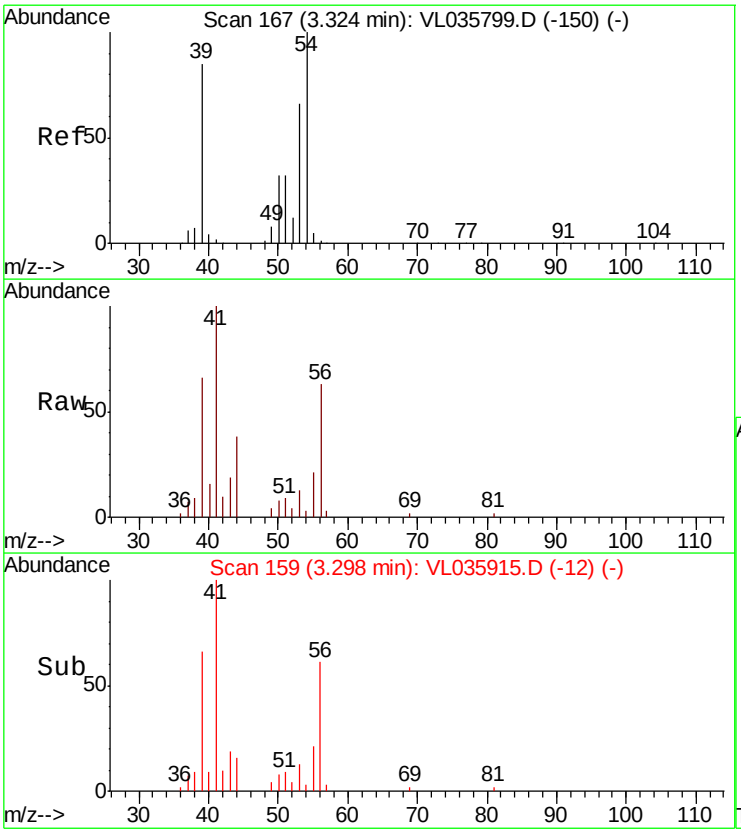
#15
Acetone
Concen: 9.208 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Instrument : MSVOA_L
ClientSampleId : CVS-2

Tgt Ion: 43 Resp: 1174606

Ion	Ratio	Lower	Upper
43	100		
58	31.7	27.5	41.3

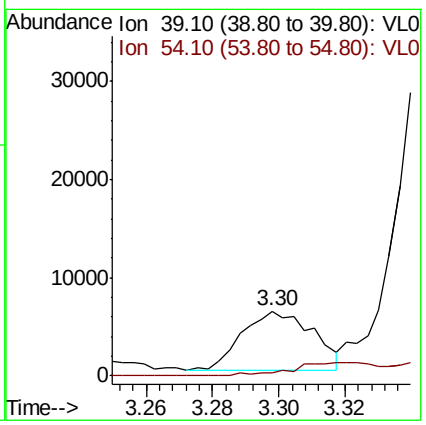


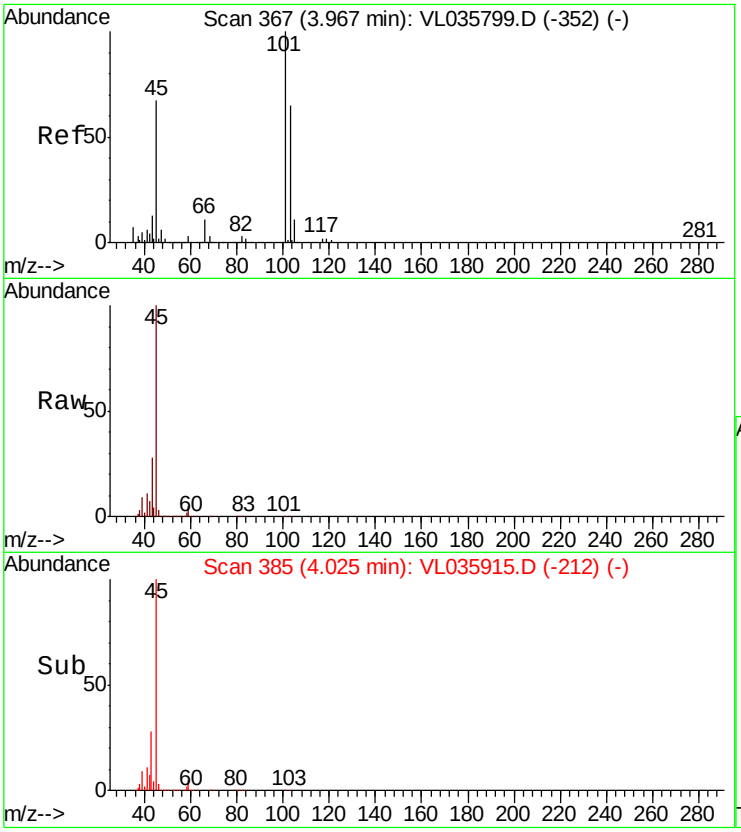


#16
1,3-Butadiene
Concen: 0.162 ppbv
RT: 3.30 min Scan# 159
Delta R.T. -0.03 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Tgt Ion: 39 Resp: 8898

Ion	Ratio	Lower	Upper
39	100		
54	28.4	87.1	130.7#



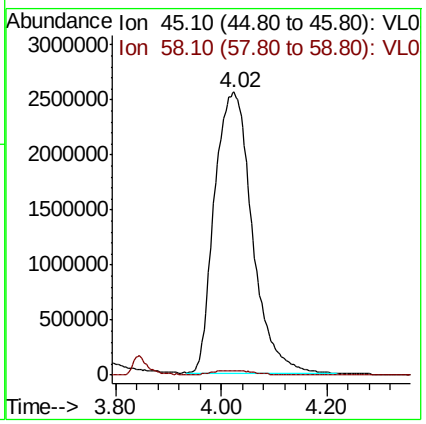


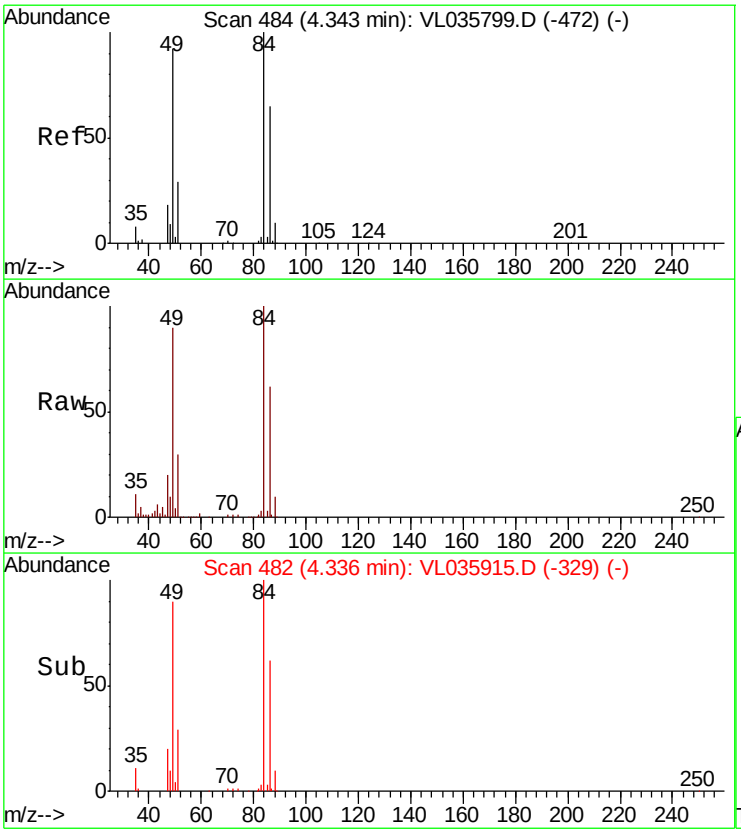
#19
Isopropyl Alcohol
Concen: 161.013 ppbv
RT: 4.02 min Scan# 385
Delta R.T. 0.06 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Instrument :
MSVOA_L
ClientSampleId :
CVS-2

Tgt Ion: 45 Resp:12621977

Ion	Ratio	Lower	Upper
45	100		
58	2.0	2.6	3.8#

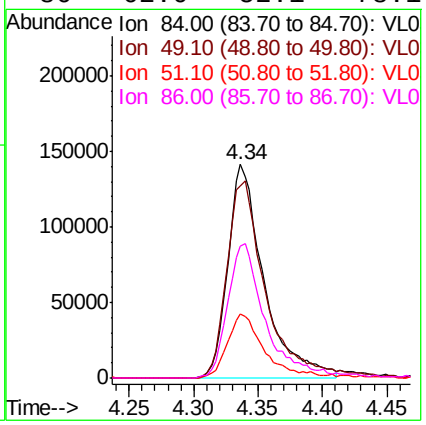


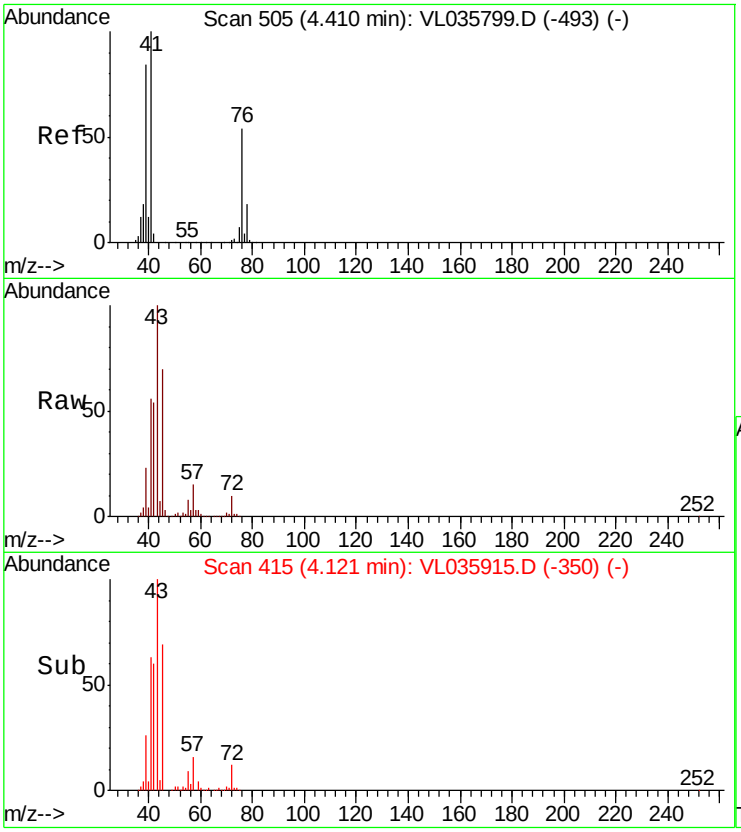


#20
Methylene Chloride
Concen: 3.059 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Tgt Ion: 84 Resp: 274654

Ion	Ratio	Lower	Upper
84	100		
49	89.9	73.8	110.8
51	29.7	23.0	34.4
86	62.0	52.1	78.1



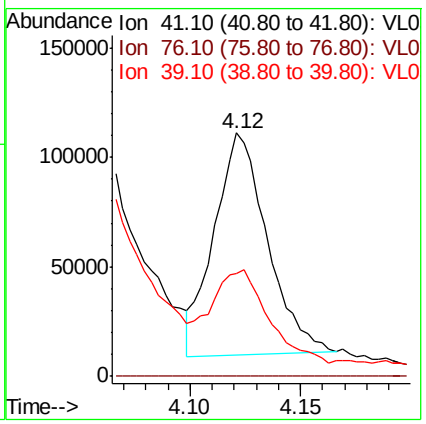


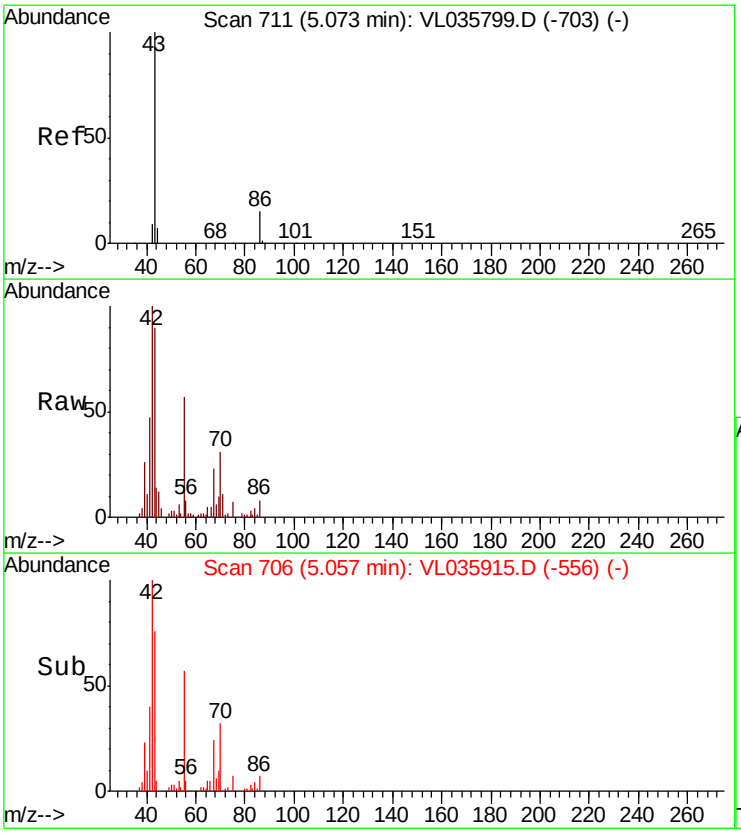
#21
Allvl Chloride
Concen: 2.461 ppbv
RT: 4.12 min Scan# 415
Delta R.T. -0.29 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Instrument : MSVOA_L
ClientSampleId : CVS-2

Tgt Ion: 41 Resp: 169775

Ion	Ratio	Lower	Upper
41	100		
76	0.2	42.6	63.8#
39	71.2	67.0	100.4

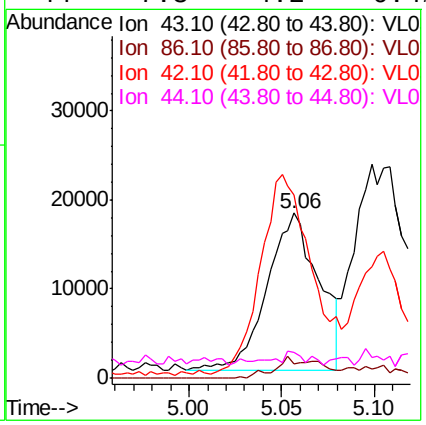


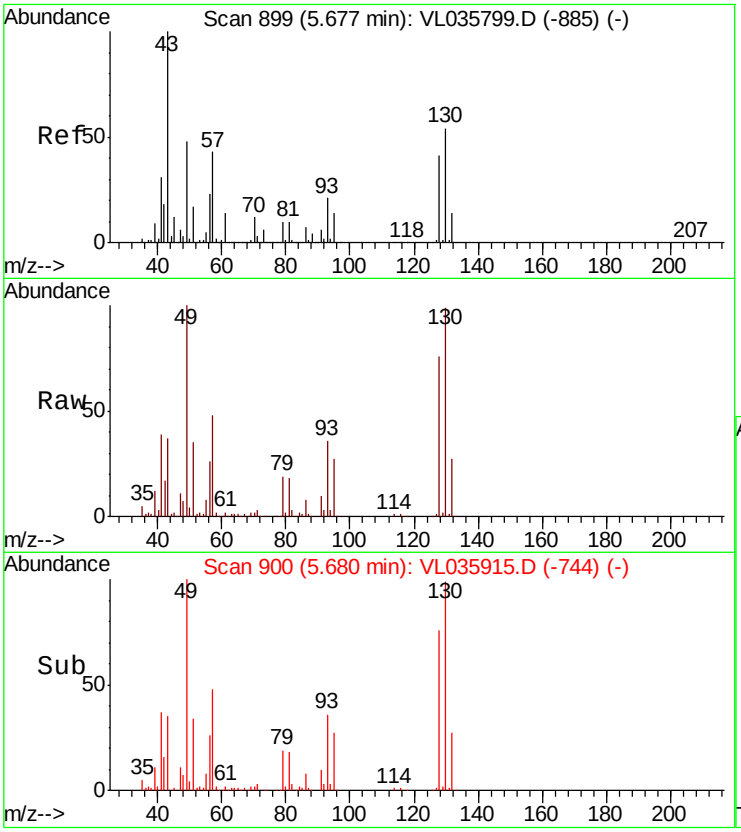


#23
Vinyl Acetate
Concen: 0.190 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.02 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Tgt Ion: 43 Resp: 34009

Ion	Ratio	Lower	Upper
43	100		
86	9.1	9.8	14.6#
42	113.6	8.1	12.1#
44	7.3	4.2	6.4#



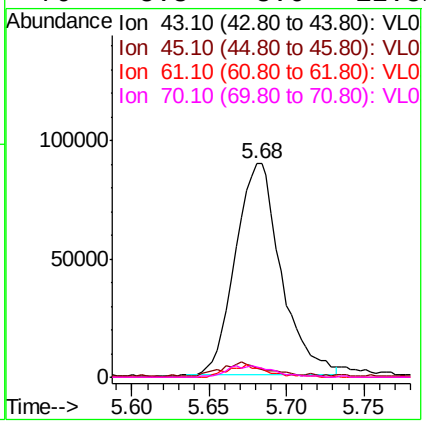


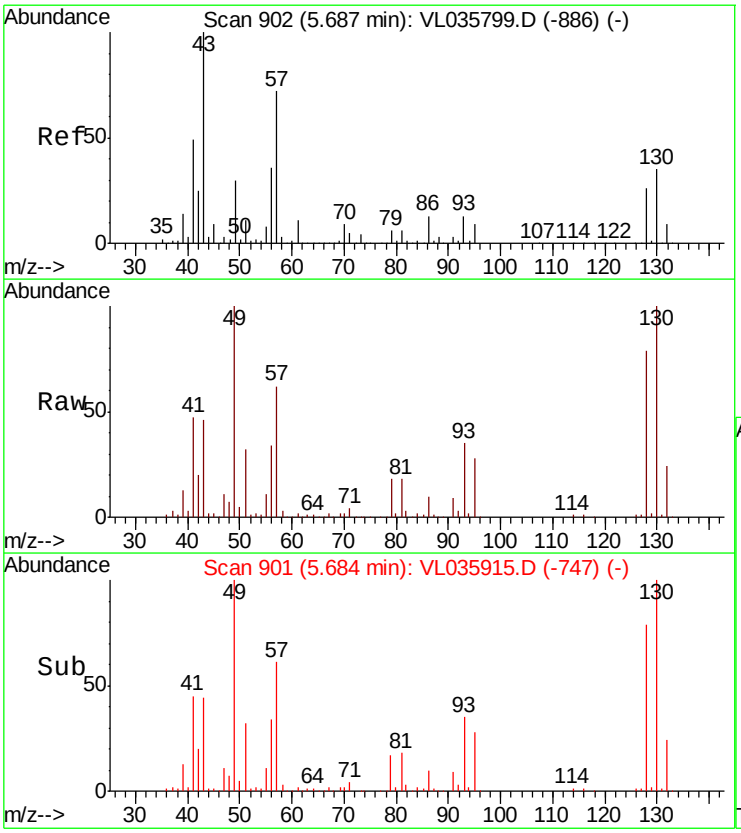
#25
Ethyl Acetate
Concen: 0.734 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Instrument : MSVOA_L
ClientSampleId : CVS-2

Tgt Ion: 43 Resp: 184519

Ion	Ratio	Lower	Upper
43	100		
45	7.0	8.5	12.7#
61	5.2	10.7	16.1#
70	5.8	8.6	12.8#

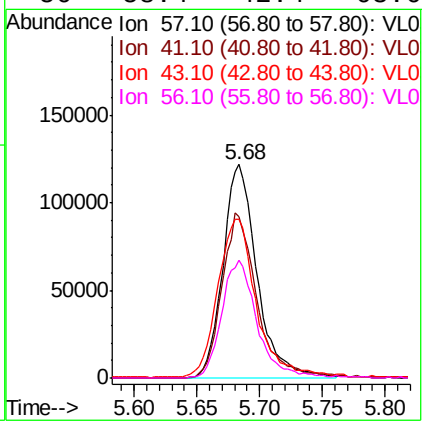


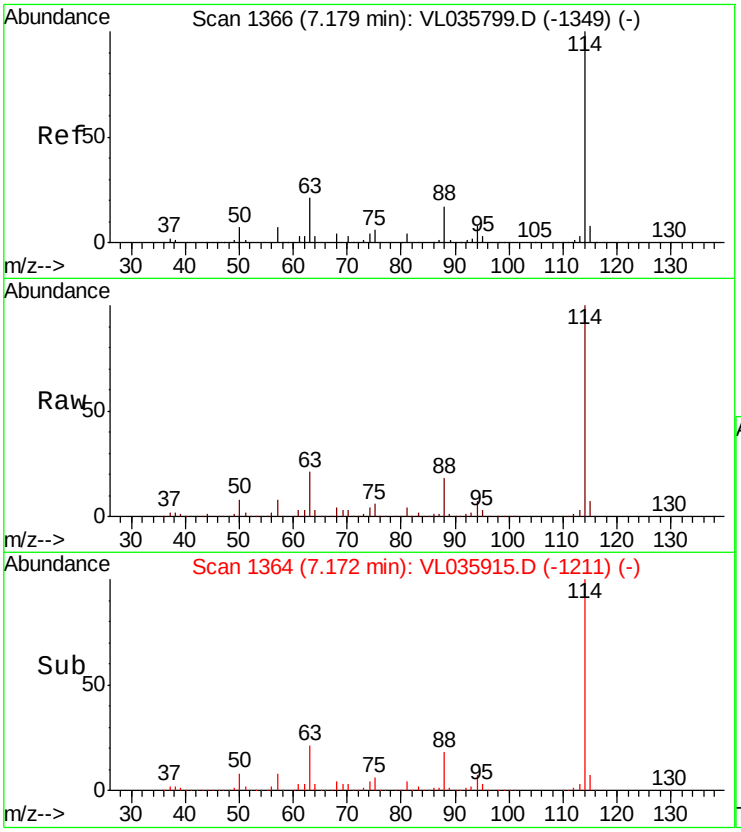


#26
Hexane
Concen: 1.642 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Tgt Ion: 57 Resp: 227623

Ion	Ratio	Lower	Upper
57	100		
41	81.0	58.9	88.3
43	84.9	150.2	225.2#
56	58.4	42.4	63.6



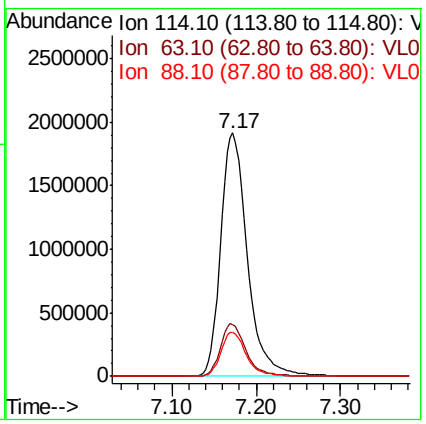


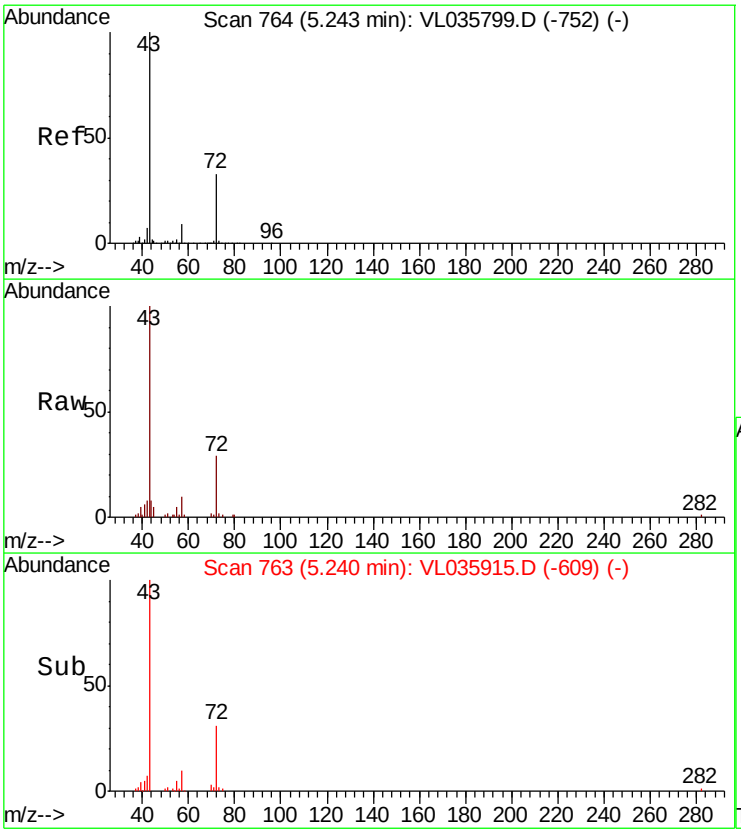
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Instrument :
MSVOA_L
ClientSampleId :
CVS-2

Tgt Ion:114 Resp: 4212015

Ion	Ratio	Lower	Upper
114	100		
63	20.9	16.1	24.1
88	17.5	13.7	20.5

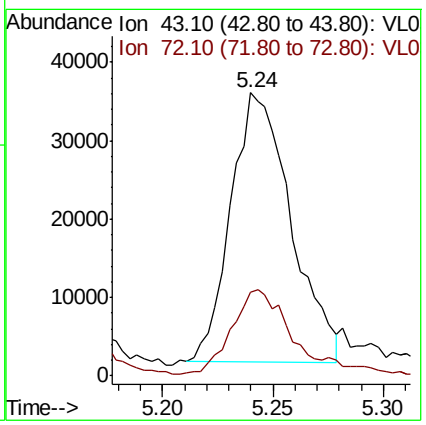


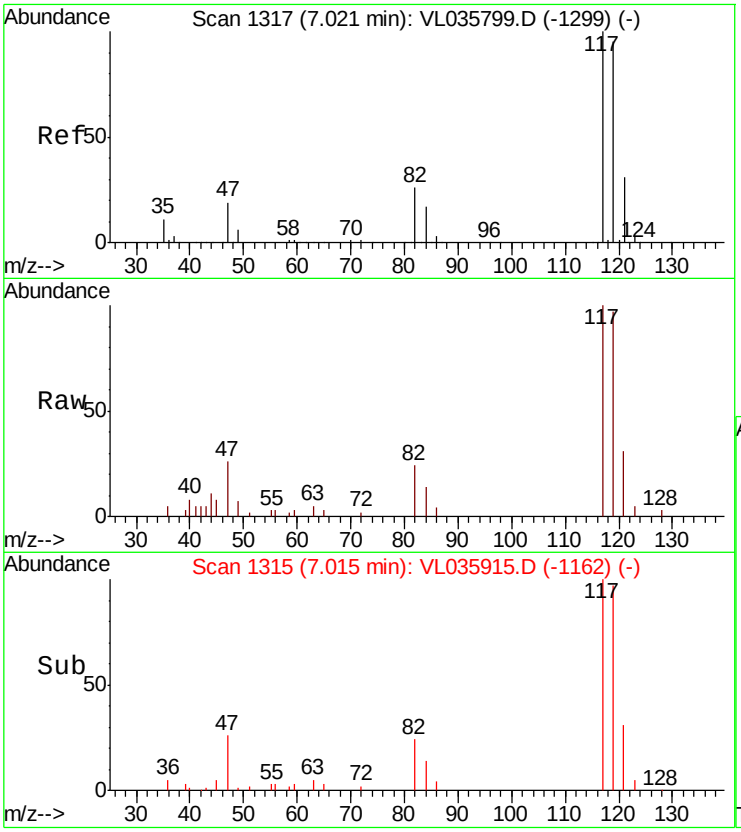


#34
2-Butanone
Concen: 0.477 ppbv
RT: 5.24 min Scan# 763
Delta R.T. -0.00 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Tgt Ion: 43 Resp: 65226

Ion	Ratio	Lower	Upper
43	100		
72	34.3	26.5	39.7



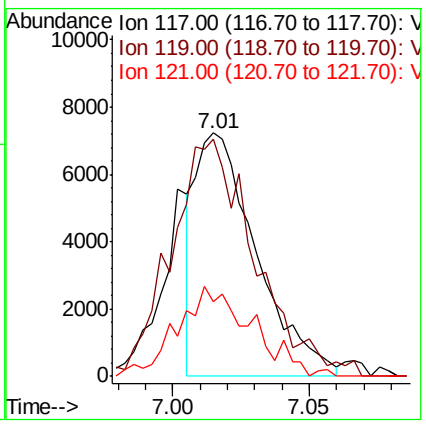


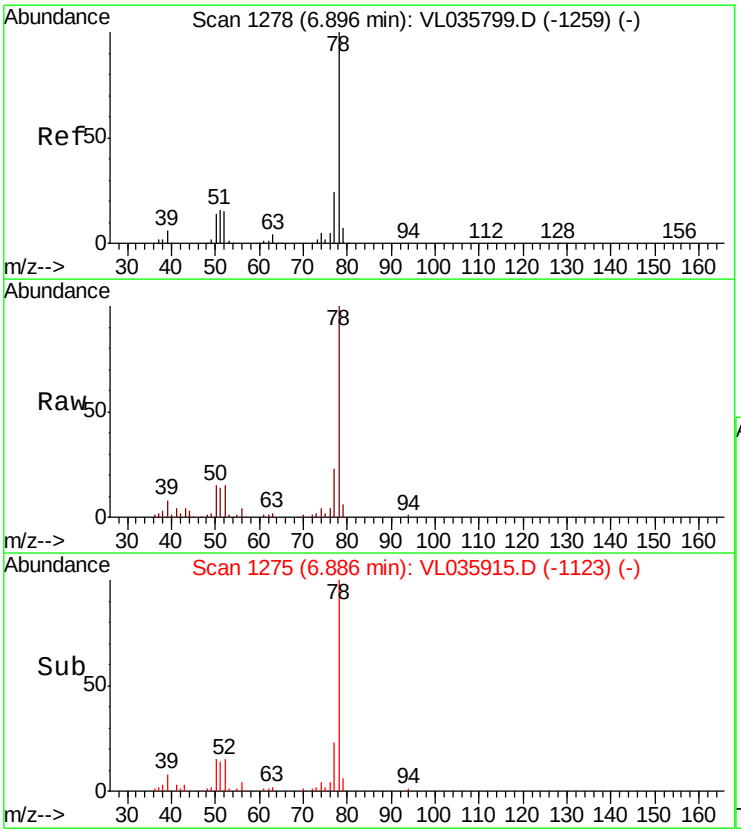
#35
Carbon Tetrachloride
Concen: 0.050 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Instrument : MSVOA_L
ClientSampleId : CVS-2

Tgt Ion:117 Resp: 11197

Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.6	113.4
121	32.0	25.1	37.7

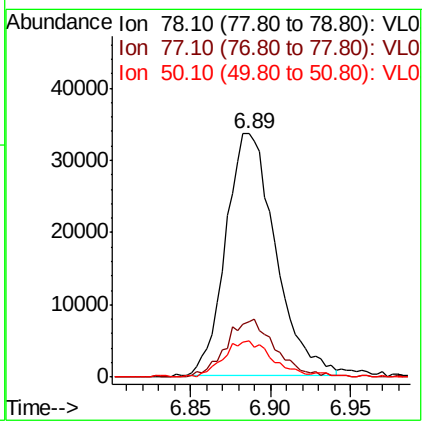


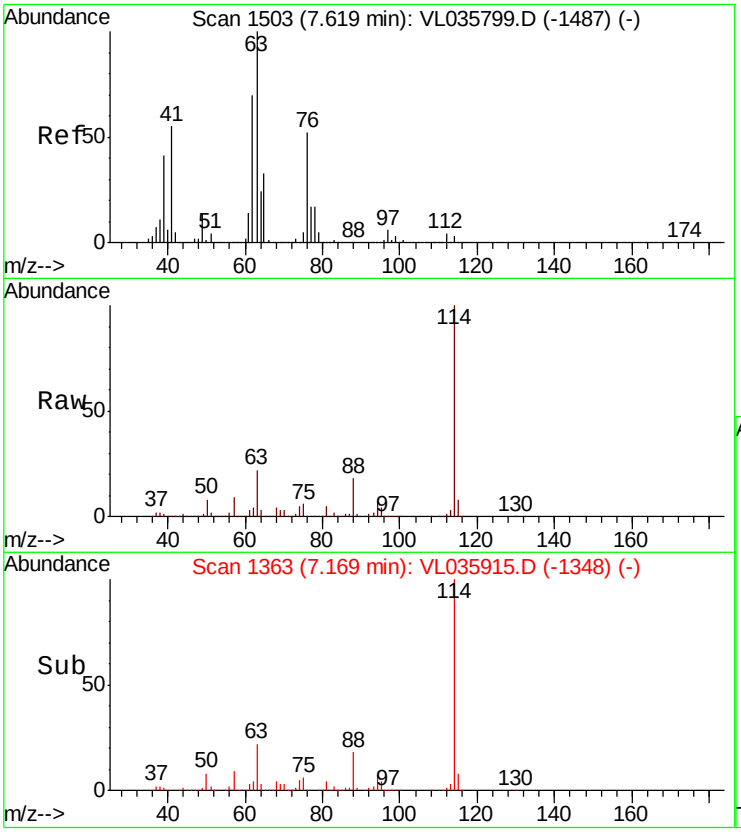


#36
Benzene
Concen: 0.227 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Tgt Ion: 78 Resp: 71133

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.3	28.9
50	14.0	11.4	17.2



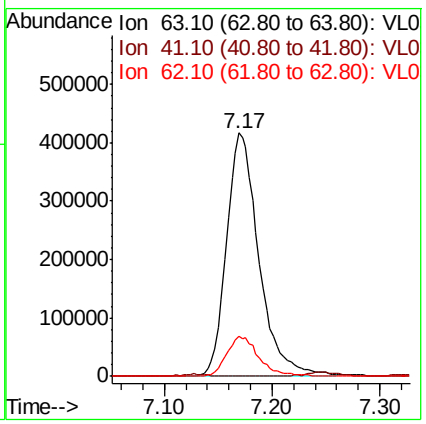


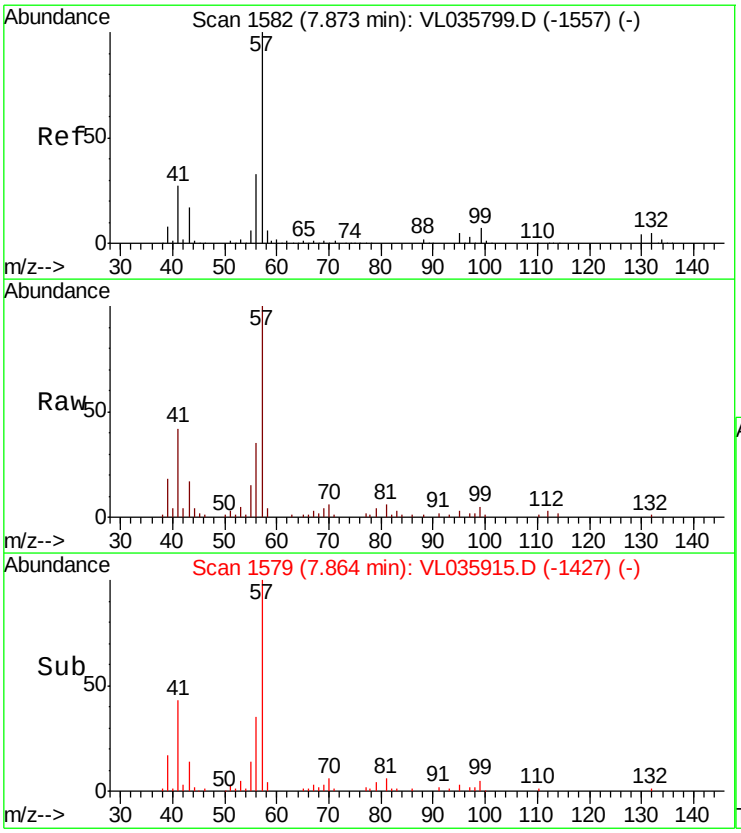
#39
1,2-Dichloropropane
Concen: 8.276 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.45 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Instrument :
MSVOA_L
ClientSampleId :
CVS-2

Tgt Ion: 63 Resp: 872539

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

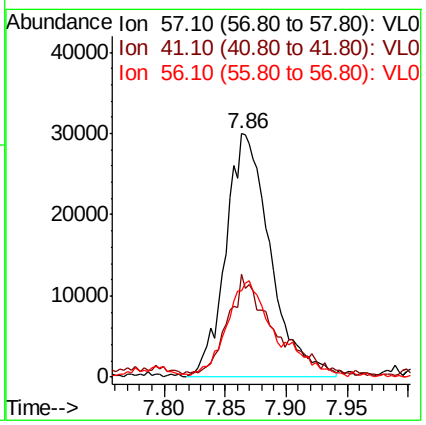


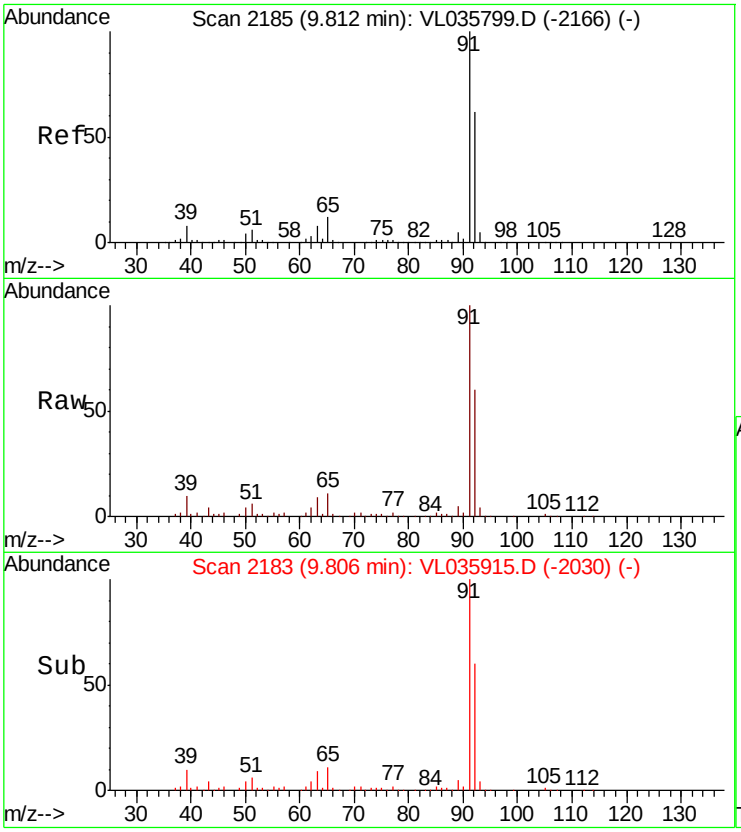


#44
2,2,4-Trimethylpentane
Concen: 0.184 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Tgt Ion: 57 Resp: 76209

Ion	Ratio	Lower	Upper
57	100		
41	44.4	21.0	31.4#
56	44.7	25.4	38.0#



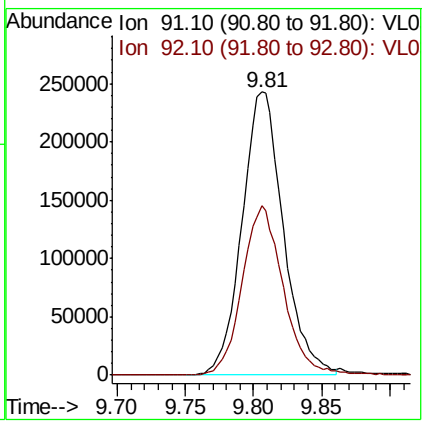


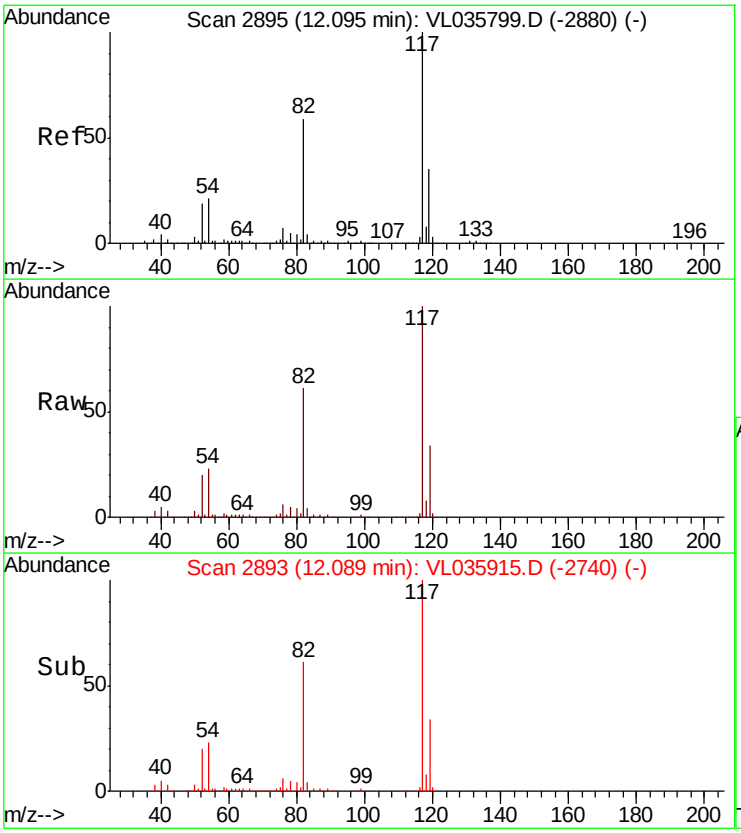
#53
Toluene
Concen: 1.354 ppbv
RT: 9.81 min Scan# 2183
Delta R.T. -0.01 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Instrument :
MSVOA_L
ClientSampleId :
CVS-2

Tgt Ion: 91 Resp: 511743

Ion	Ratio	Lower	Upper
91	100		
92	59.7	49.8	74.6

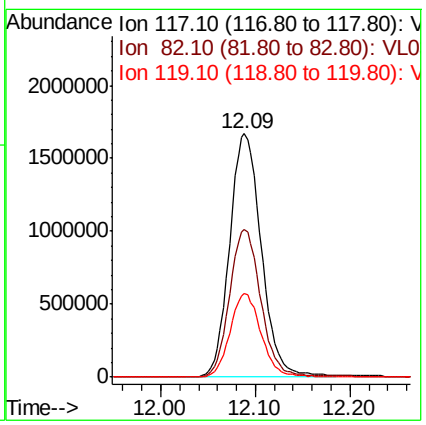


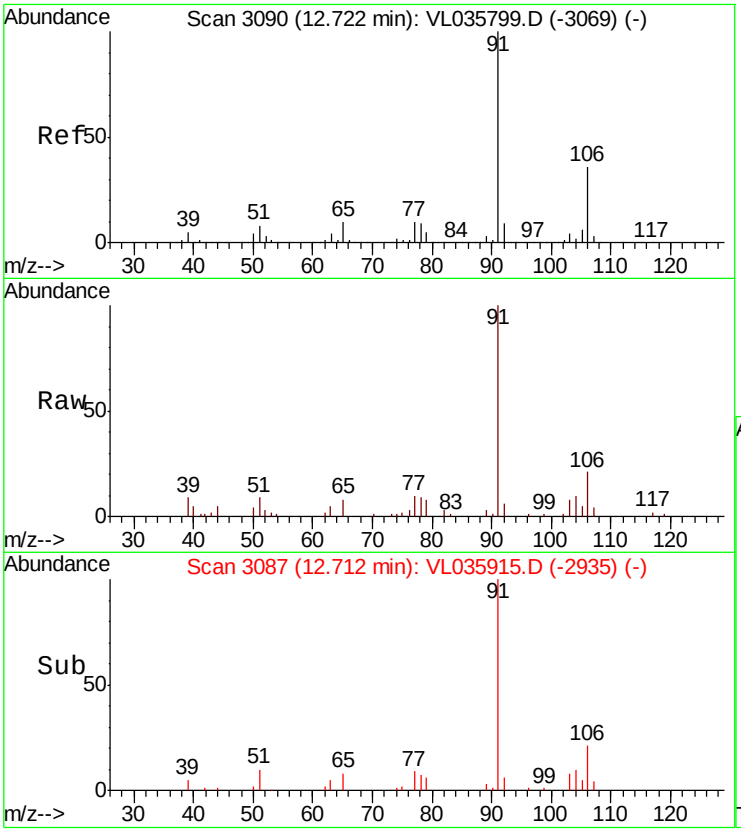


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Tgt Ion:117 Resp: 3897412

Ion	Ratio	Lower	Upper
117	100		
82	60.5	50.6	76.0
119	33.9	52.6	78.8#



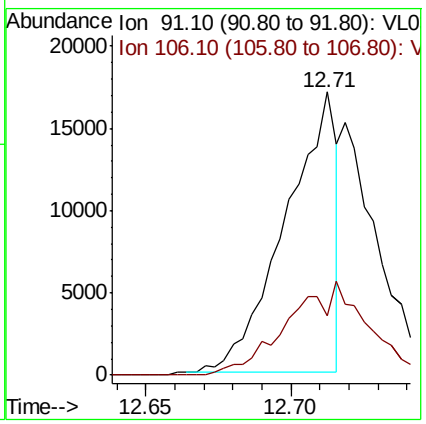


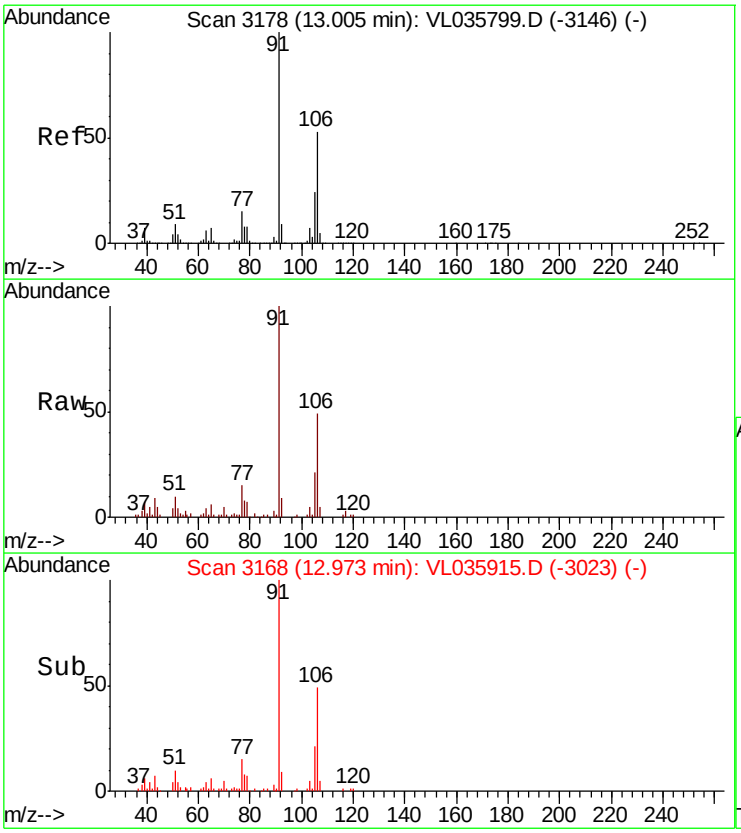
#58
Ethyl Benzene
Concen: 0.044 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Instrument : MSVOA_L
ClientSampleId : CVS-2

Tgt Ion: 91 Resp: 20827

Ion	Ratio	Lower	Upper
91	100		
106	21.4	28.6	43.0#

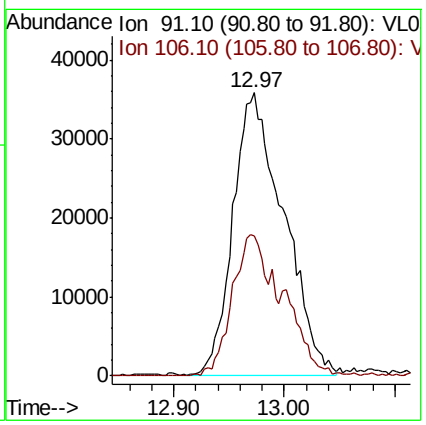


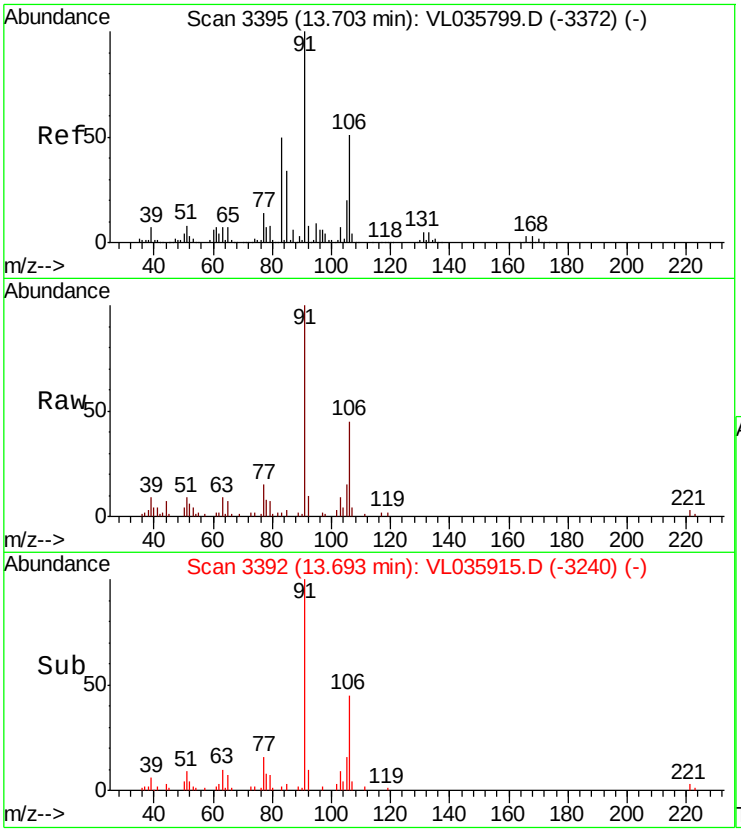


#59
m/p-Xylene
Concen: 0.285 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. -0.03 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Tgt Ion: 91 Resp: 114278

Ion	Ratio	Lower	Upper
91	100		
106	49.5	39.5	59.3



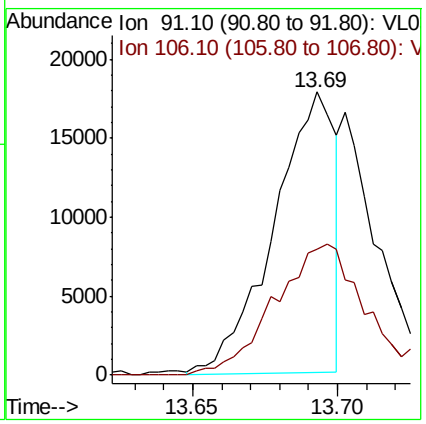


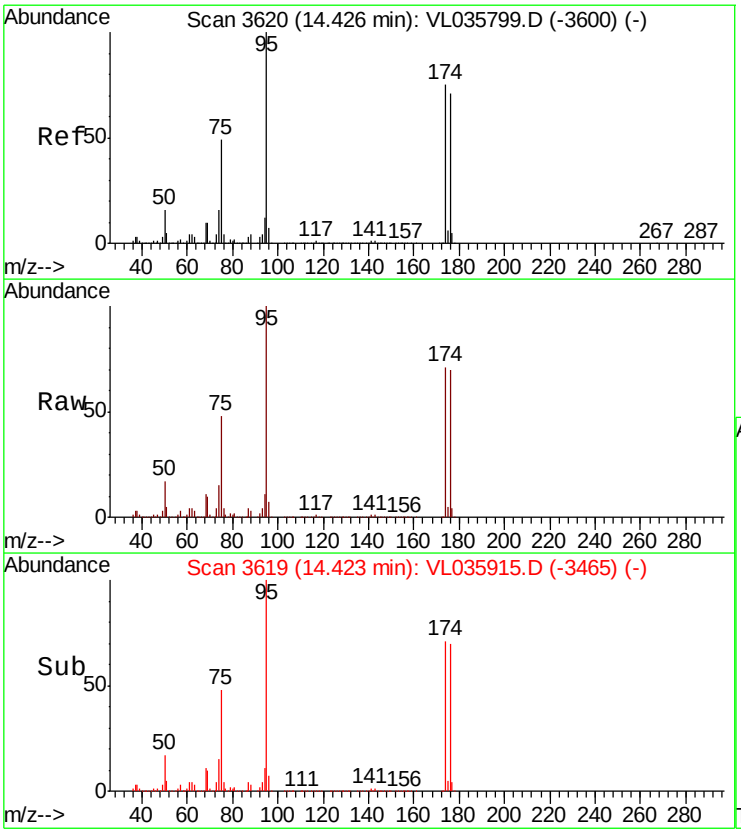
#60
o-Xylene
Concen: 0.067 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Instrument : MSVOA_L
ClientSampleId : CVS-2

Tgt Ion: 91 Resp: 26074

Ion	Ratio	Lower	Upper
91	100		
106	70.4	24.8	74.4

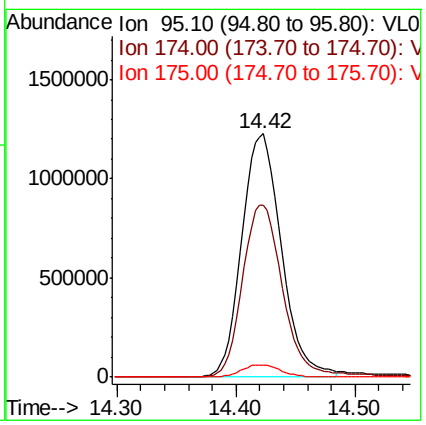


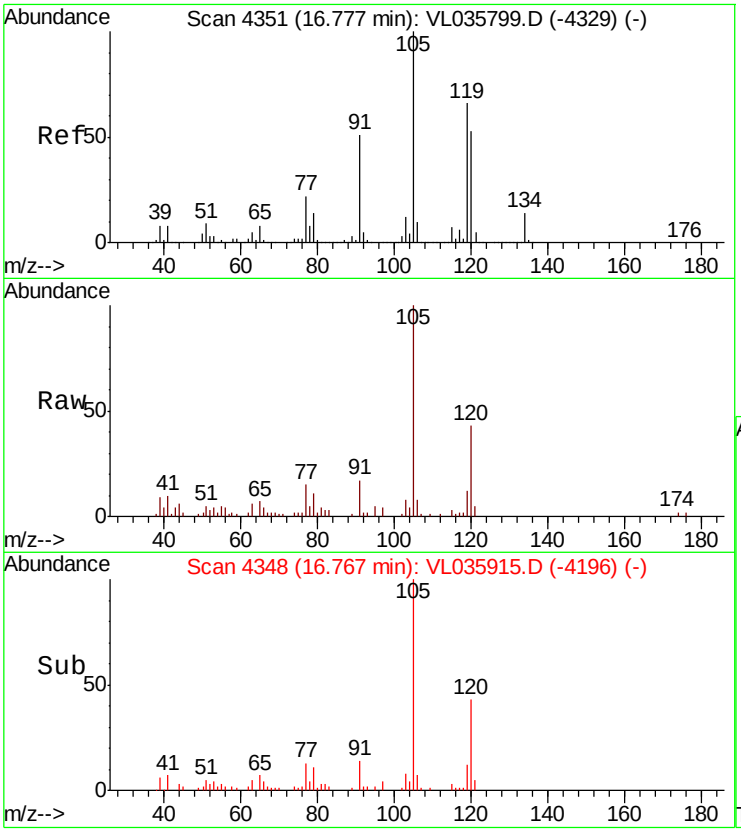


#68
1-Bromo-4-Fluorobenzene
Concen: 10.240 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Tgt Ion: 95 Resp: 2835436

Ion	Ratio	Lower	Upper
95	100		
174	73.5	59.8	89.6
175	5.1	4.3	6.5





#74
1,2,4-Trimethylbenzene
Concen: 0.046 ppbv
RT: 16.77 min Scan# 4348
Delta R.T. -0.01 min
Lab File: VL035915.D
Acq: 12 Nov 2020 16:04

Instrument :
MSVOA_L
ClientSampleId :
CVS-2

Tgt Ion:105 Resp: 21451

Ion	Ratio	Lower	Upper
105	100		
120	44.7	42.0	63.0
91	14.0	41.0	61.6#
77	14.5	17.3	25.9#