Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110320\
Data File : VL035814.D
Acq On : 3 Nov 2020 22:01
Operator : SY/AP
Sample : L4604-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Nov 04 05:16:44 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	5.64	49	992524	10.00	ppbv		-0.03
33) 1,4-Difluorobenzene	7.15	114	4631990	10.00	ppbv		-0.03
55) Chlorobenzene-d5	12.06	117	4234440	10.00	ppbv		-0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	3002834	9.98	ppbv		-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	54664	0.293	ppbv		94
3) Chlorodifluoromethane	2.97	51	43948	0.370	ppbv		95
4) Chloromethane	3.12	50	24690	0.428	ppbv		96
9) Propene	3.00	41	33871	0.779	ppbv		85
10) Heptane	8.10	43	6246	0.052	ppbv	#	19
11) Trichlorofluoromethane	3.93	101	61862	0.264	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	7803	0.045	ppbv	#	26
13) Ethanol	3.59	45	112490	11.919	ppbv		96
15) Acetone	3.83	43	338115	3.186	ppbv		95
16) 1,3-Butadiene	3.30	39	1797	0.039	ppbv	#	1
19) Isopropyl Alcohol	3.98	45	4367	0.067	ppbv	#	90
20) Methylene Chloride	4.32	84	623413	8.346	ppbv		97
23) Vinyl Acetate	5.04	43	22870	0.154	ppbv	#	24
25) Ethyl Acetate	5.66	43	305829	1.463	ppbv	#	72
26) Hexane	5.66	57	553756	4.803	ppbv	#	44
27) Carbon Disulfide	4.53	76	15121	0.088	ppbv	#	92
29) Chloroform	5.72	83	8851	0.039	ppbv	#	76
34) 2-Butanone	5.23	43	21699	0.144	ppbv	#	76
35) Carbon Tetrachloride	6.99	117	15103	0.061	ppbv	#	83
36) Benzene	6.87	78	77636	0.225	ppbv	#	94
38) Trichloroethene	7.81	130	28486	0.169	ppbv		92
39) 1,2-Dichloropropane	7.15	63	821796	7.088	ppbv	#	30
41) Tetrahydrofuran	5.66	42	154634	1.811	ppbv	#	41
44) 2,2,4-Trimethylpentane	7.85	57	69922	0.153	ppbv	#	89
53) Toluene	9.78	91	433193	1.043	ppbv		98
59) m/p-Xylene	12.97	91	13530	0.031	ppbv	#	28
60) o-Xylene	13.67	91	24170	0.057	ppbv		100

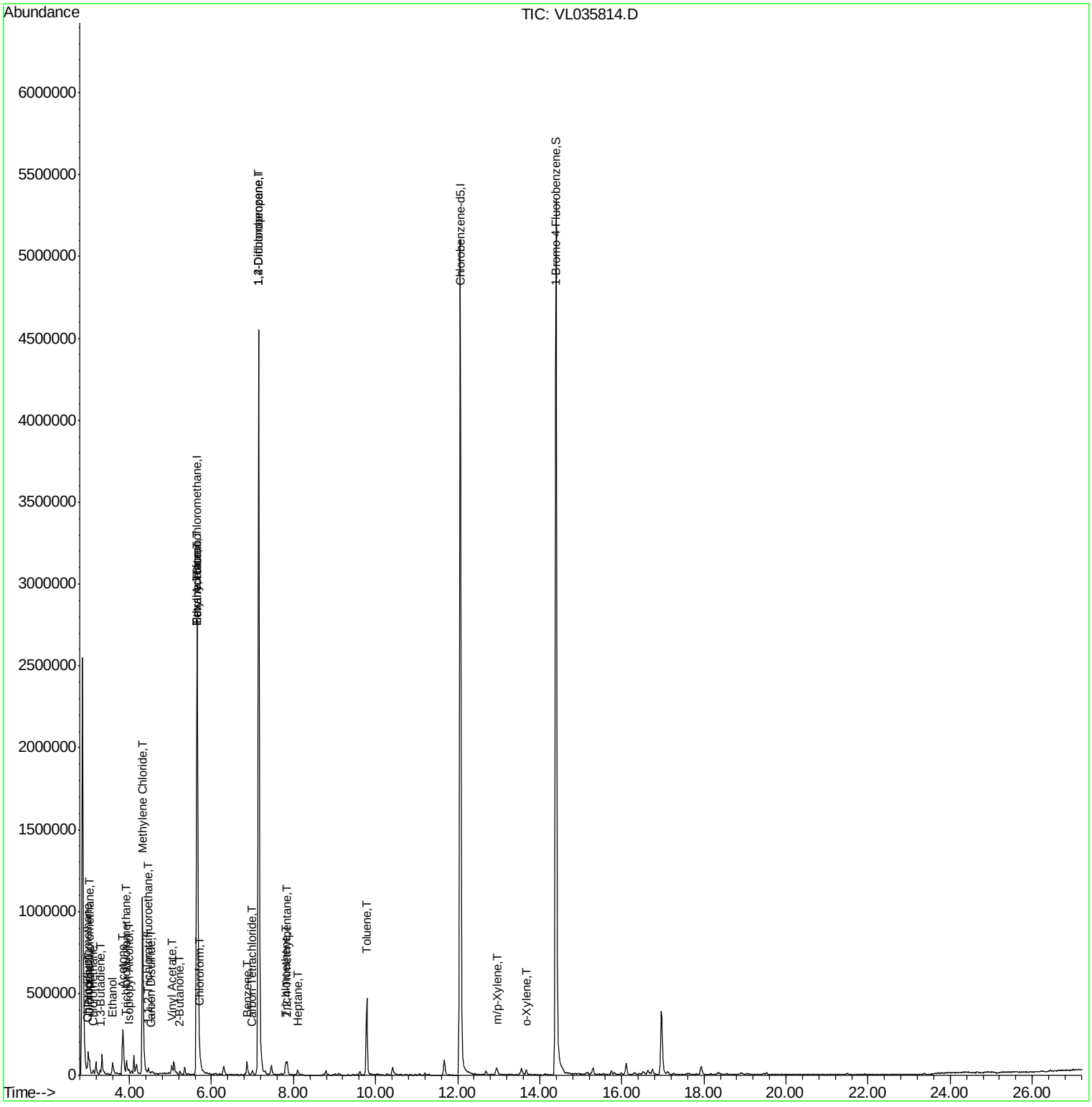
(#) = qualifier out of range (m) = manual integration (+) = signals summed

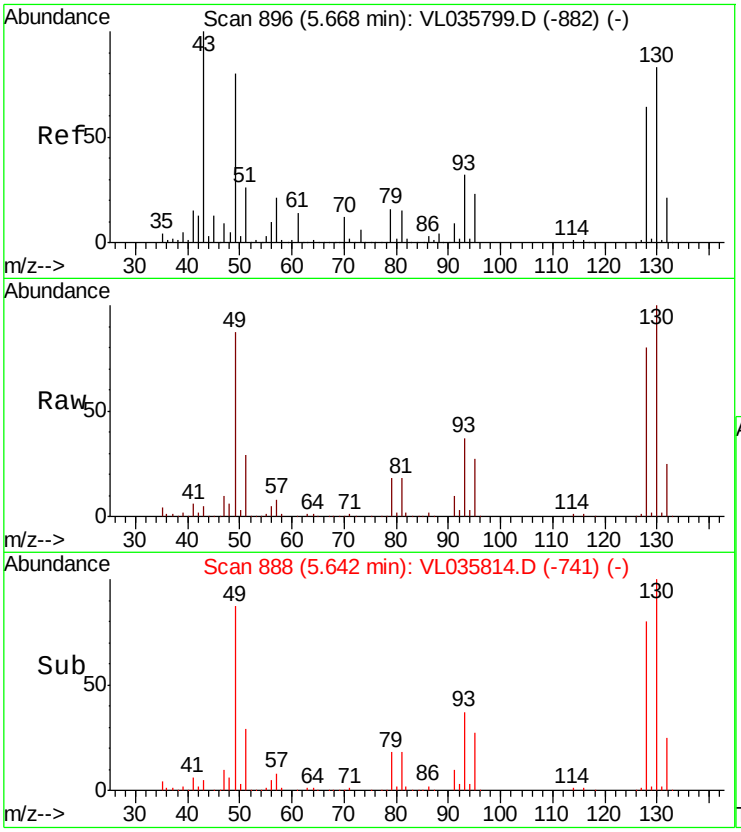
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110320\
Data File : VL035814.D
Acq On : 3 Nov 2020 22:01
Operator : SY/AP
Sample : L4604-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Nov 04 05:16:44 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



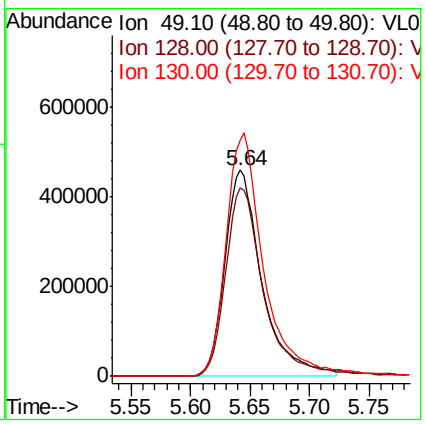


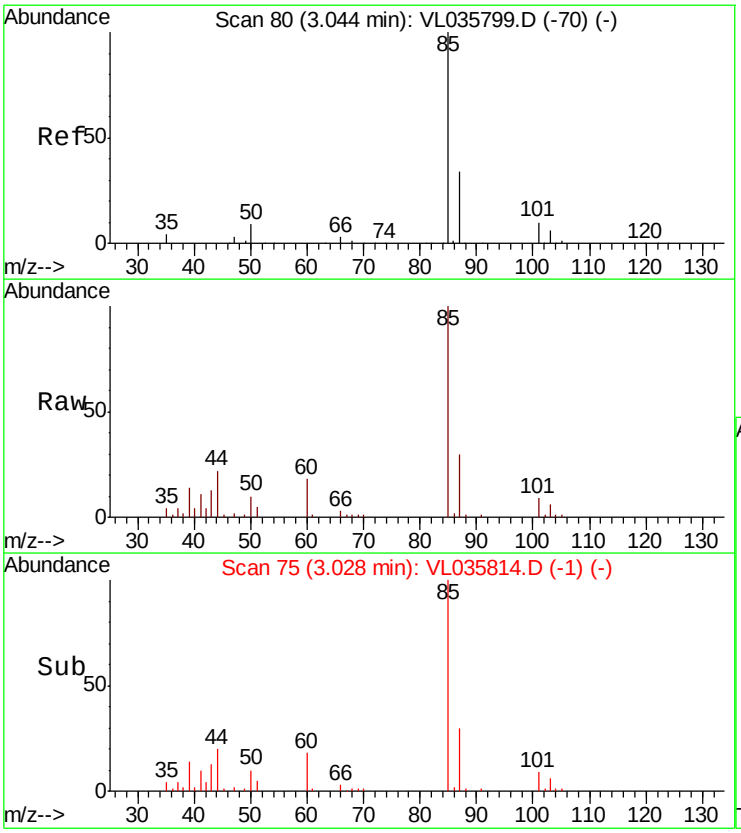
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.03 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 992524

Ion	Ratio	Lower	Upper
49	100		
128	95.1	41.5	124.6
130	122.3	53.7	161.1

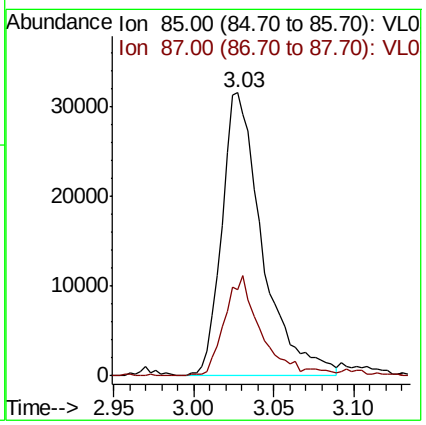


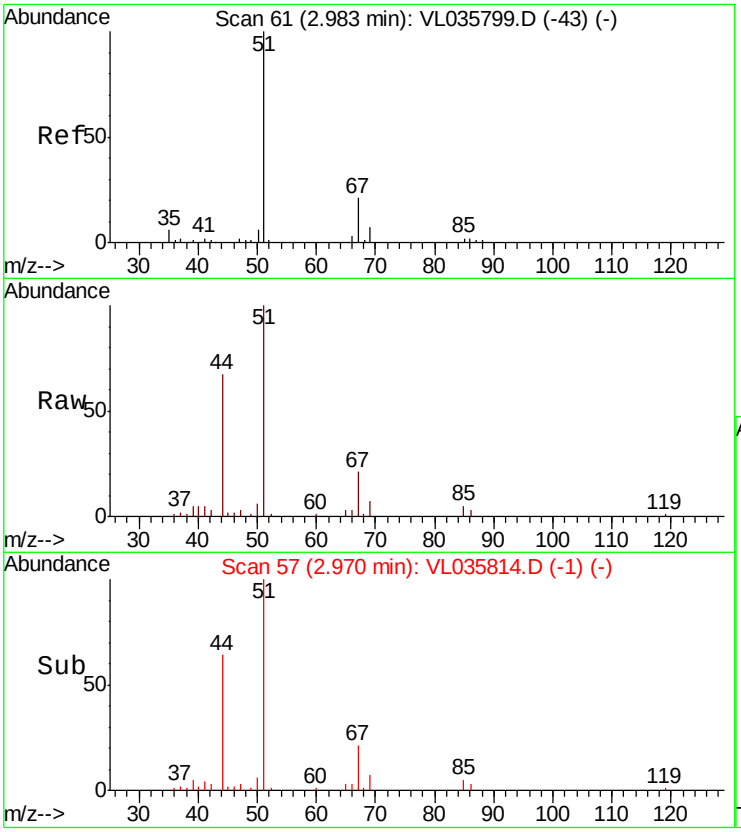


#2
Dichlorodifluoromethane
Concen: 0.293 ppbv
RT: 3.03 min Scan# 75
Delta R.T. -0.02 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Tgt Ion: 85 Resp: 54664

Ion	Ratio	Lower	Upper
85	100		
87	30.3	27.1	40.7

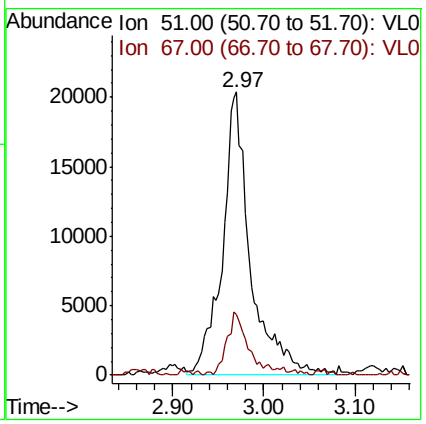




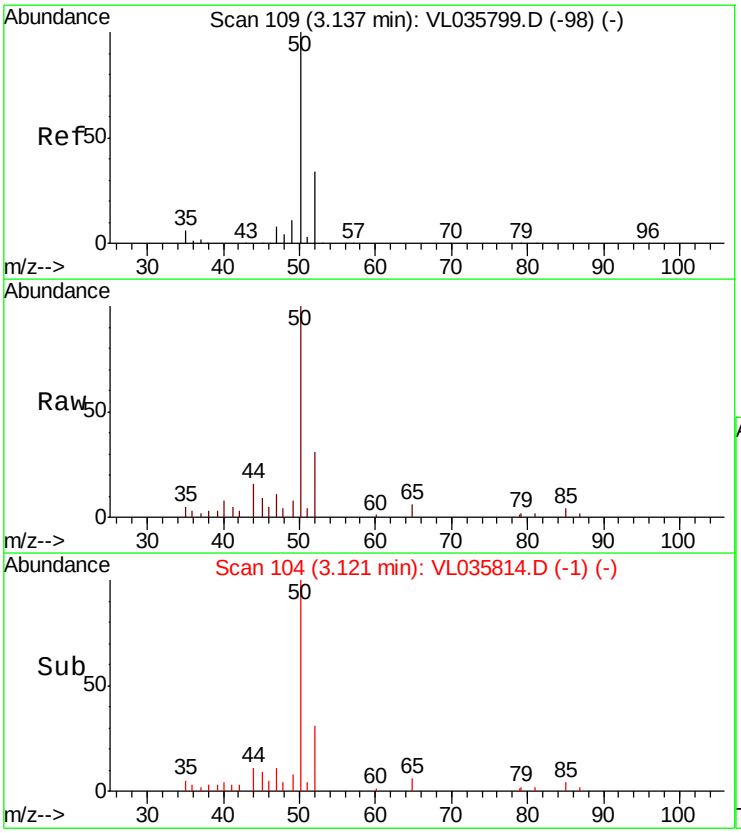
#3
Chlorodifluoromethane
Concen: 0.370 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.01 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Tgt Ion: 51 Resp: 43948

Ion	Ratio	Lower	Upper
51	100		
67	18.9	17.0	25.4



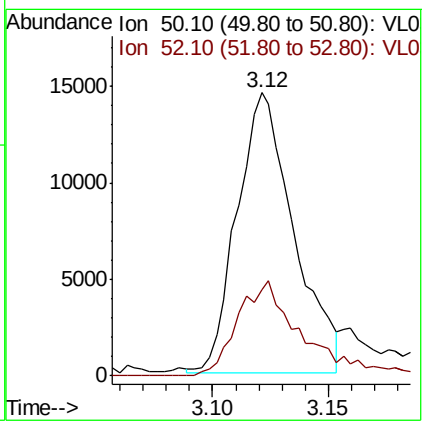
Instrument :
MSVOA_L
ClientSampleId :

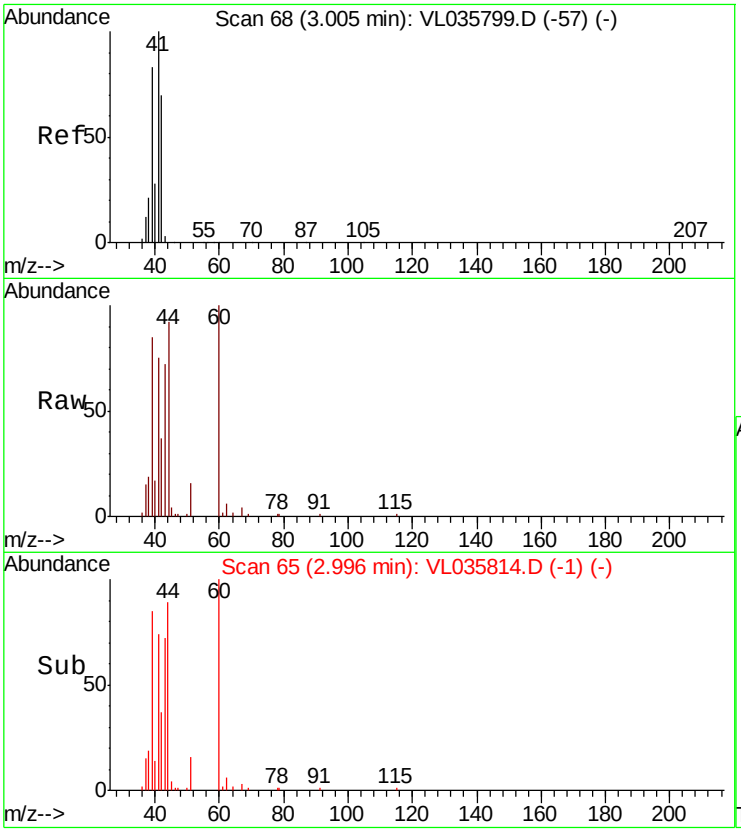


#4
Chloromethane
Concen: 0.428 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.02 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Tgt Ion: 50 Resp: 24690

Ion	Ratio	Lower	Upper
50	100		
52	31.4	27.1	40.7



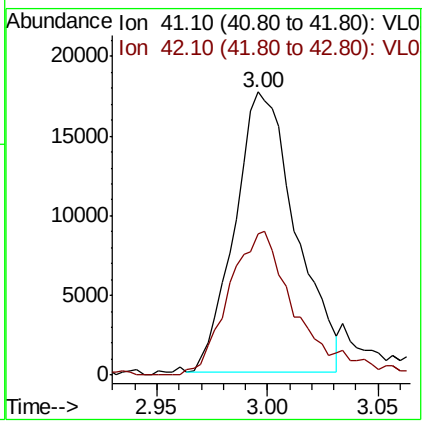


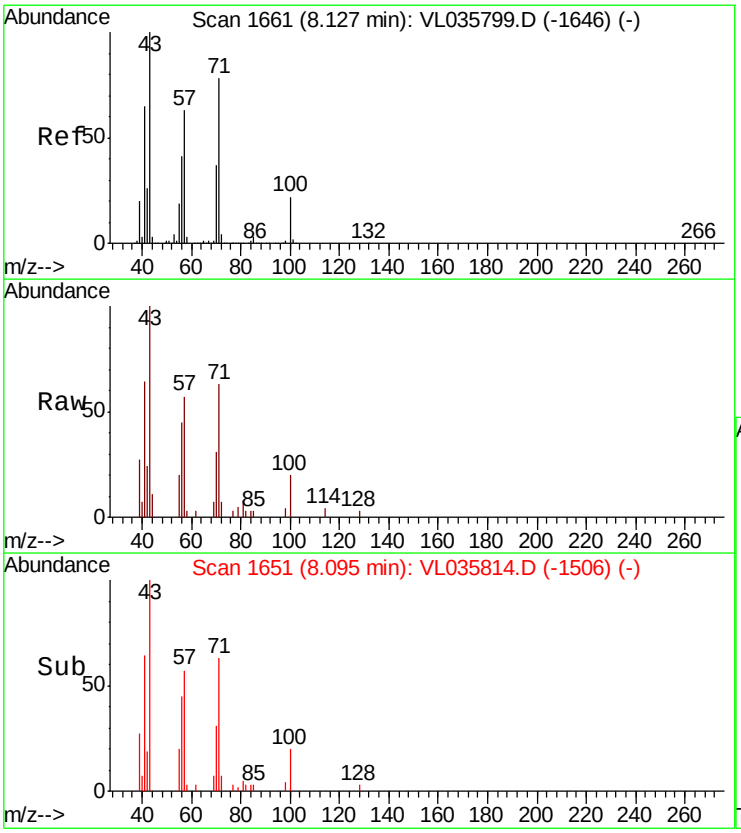
#9
Propene
Concen: 0.779 ppbv
RT: 3.00 min Scan# 65
Delta R.T. -0.01 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 33871

Ion	Ratio	Lower	Upper
41	100		
42	57.9	56.2	84.4

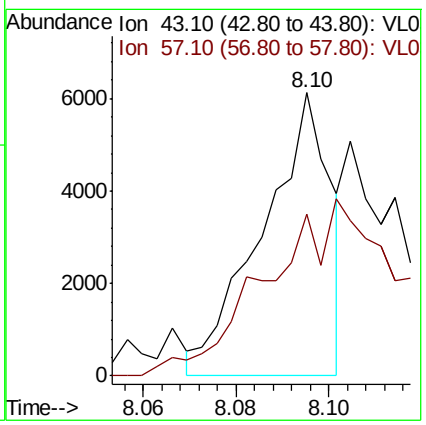


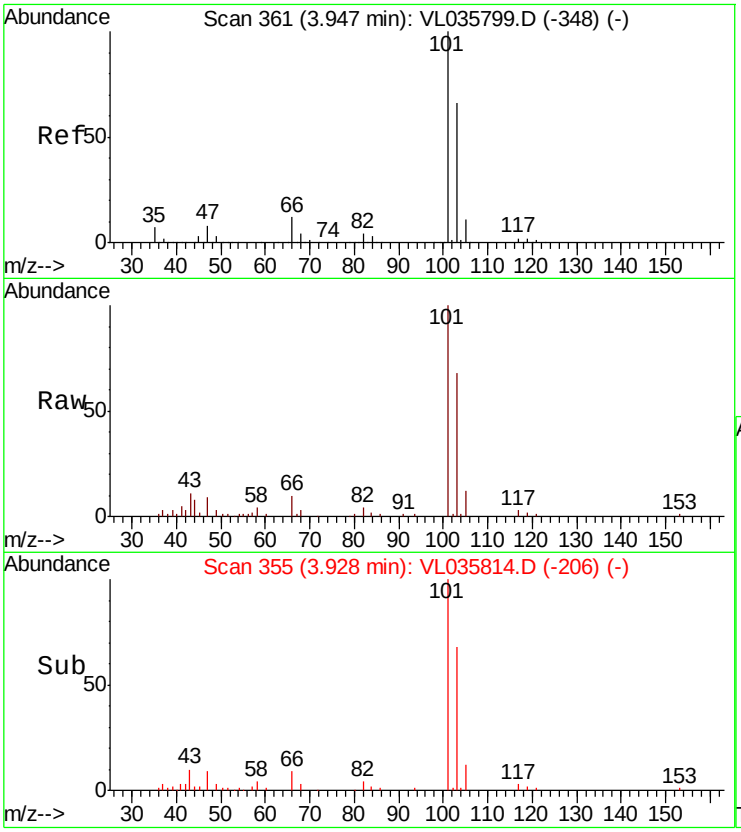


#10
Heptane
Concen: 0.052 ppbv
RT: 8.10 min Scan# 1651
Delta R.T. -0.03 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Tgt Ion: 43 Resp: 6246

Ion	Ratio	Lower	Upper
43	100		
57	0.0	50.0	75.0#



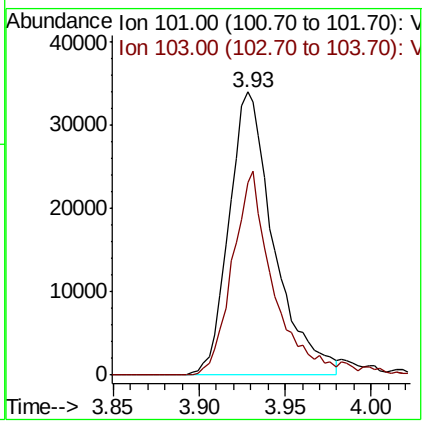


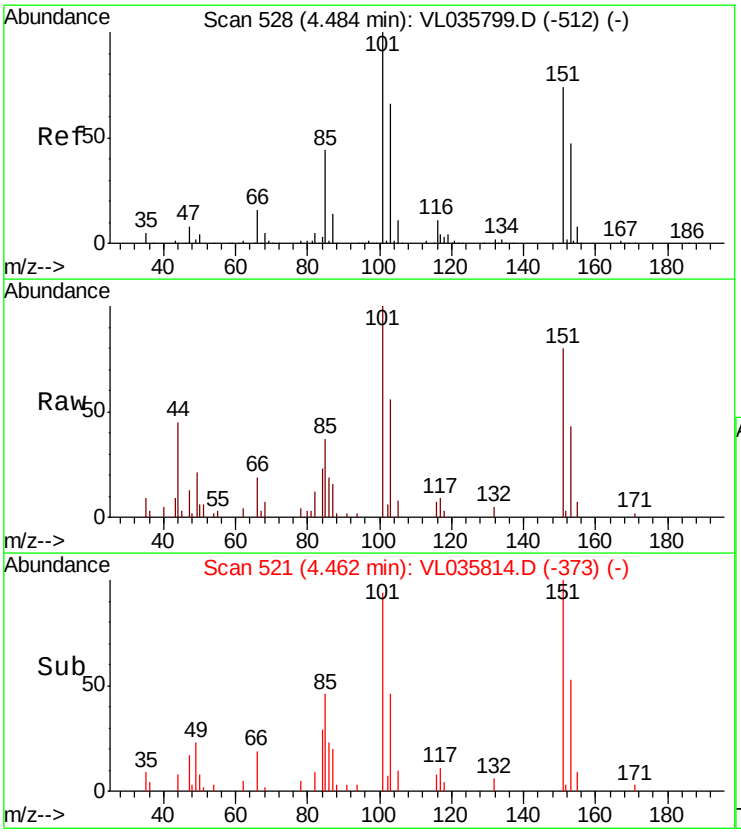
#11
Trichlorofluoromethane
Concen: 0.264 ppbv
RT: 3.93 min Scan# 355
Delta R.T. -0.02 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 61862

Ion	Ratio	Lower	Upper
101	100		
103	68.2	53.0	79.4

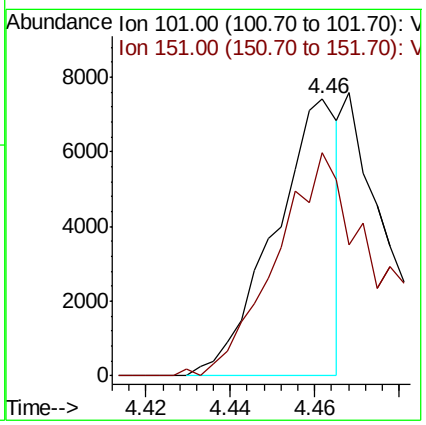


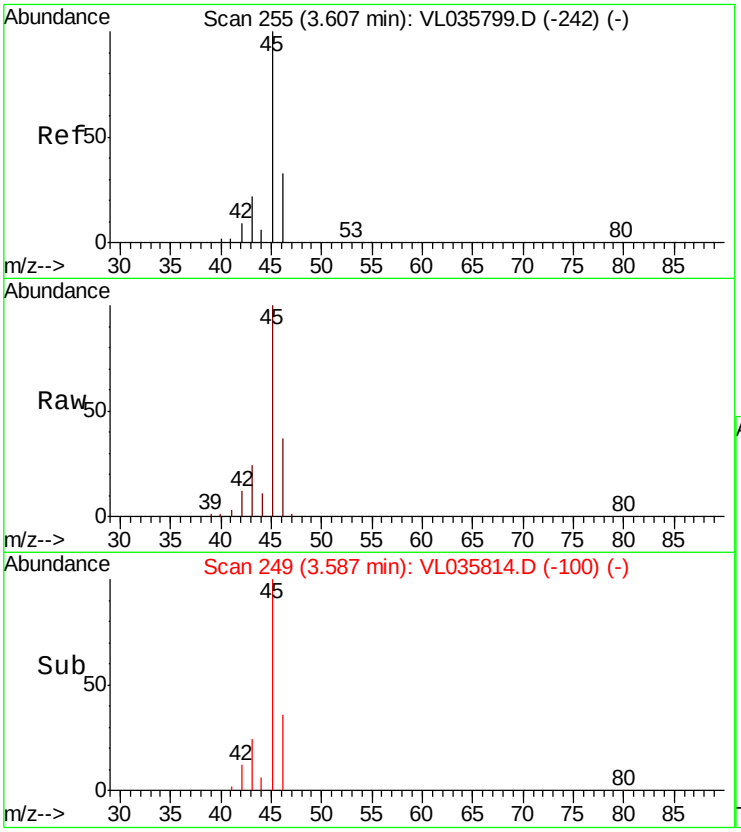


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.045 ppbv
RT: 4.46 min Scan# 521
Delta R.T. -0.02 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Tgt Ion:101 Resp: 7803

Ion	Ratio	Lower	Upper
101	100		
151	135.8	58.9	88.3#



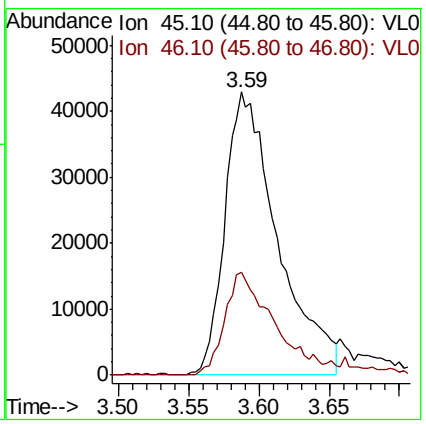


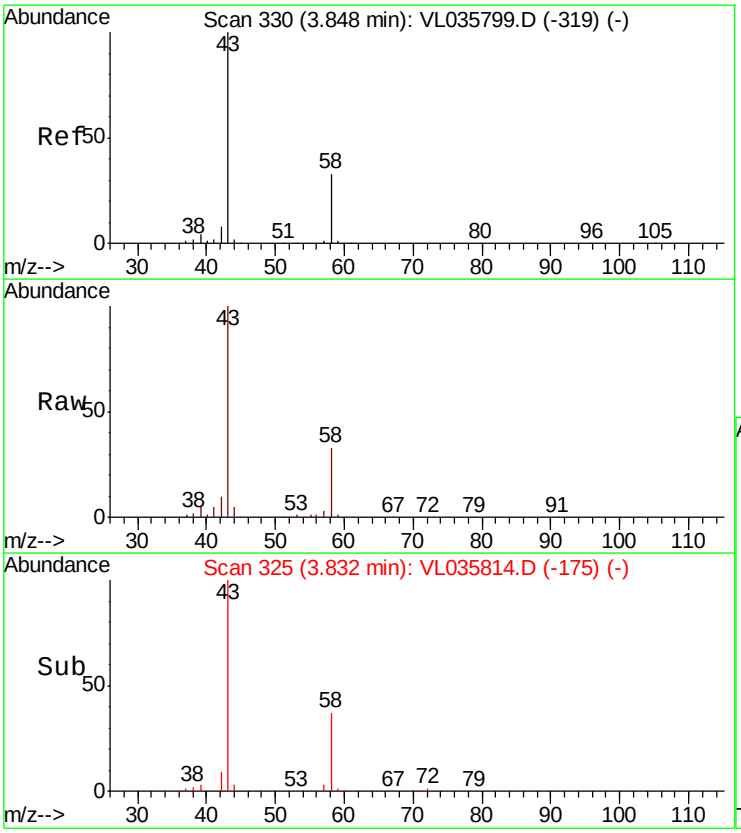
#13
Ethanol
Concen: 11.919 ppbv
RT: 3.59 min Scan# 249
Delta R.T. -0.02 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 112490

Ion	Ratio	Lower	Upper
45	100		
46	37.8	16.1	64.5

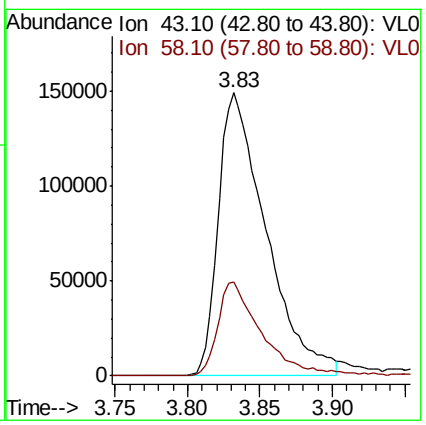


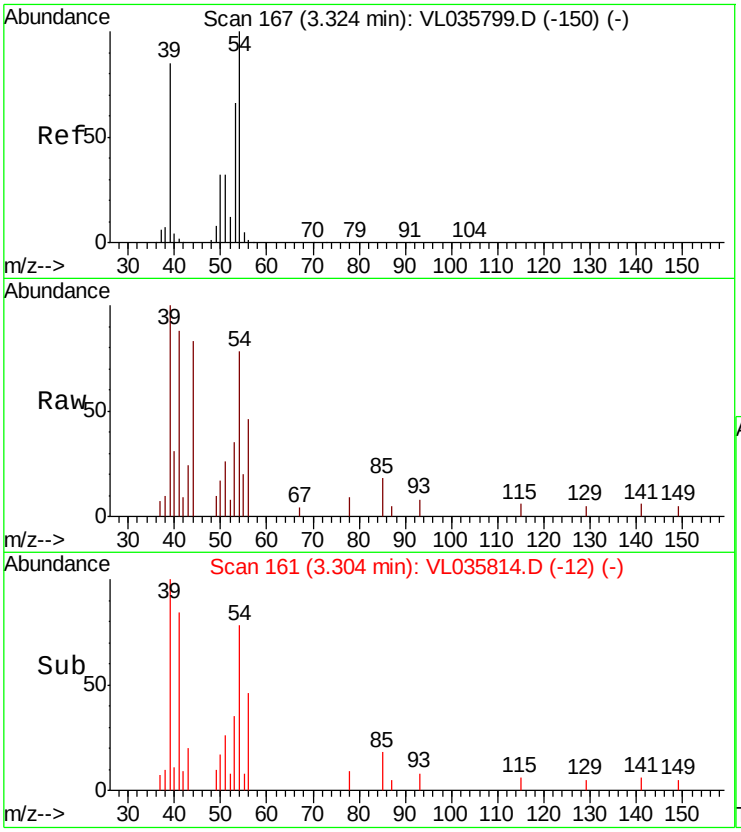


#15
Acetone
Concen: 3.186 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.02 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Tgt Ion: 43 Resp: 338115

Ion	Ratio	Lower	Upper
43	100		
58	31.3	27.5	41.3



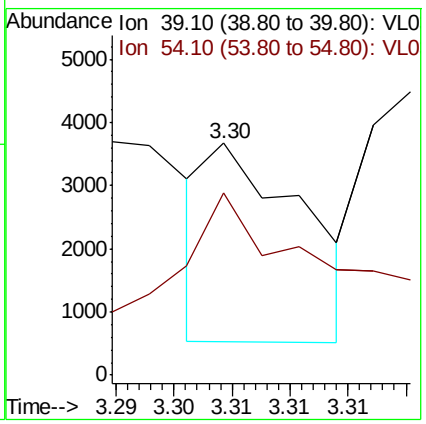


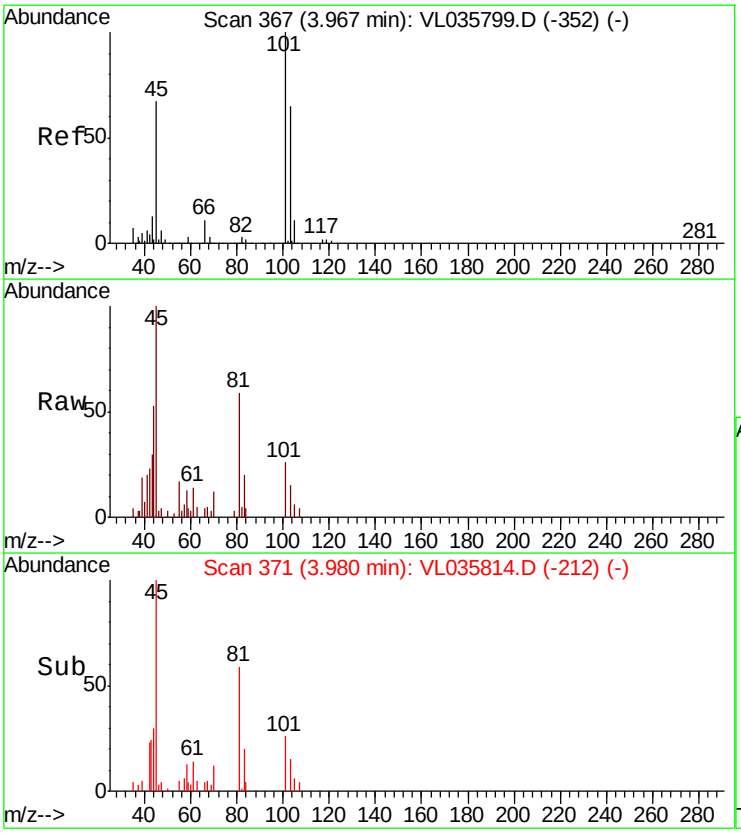
#16
1,3-Butadiene
Concen: 0.039 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.02 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 1797

Ion	Ratio	Lower	Upper
39	100		
54	235.8	87.1	130.7#

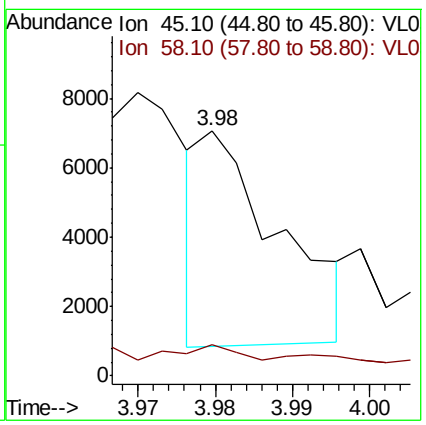


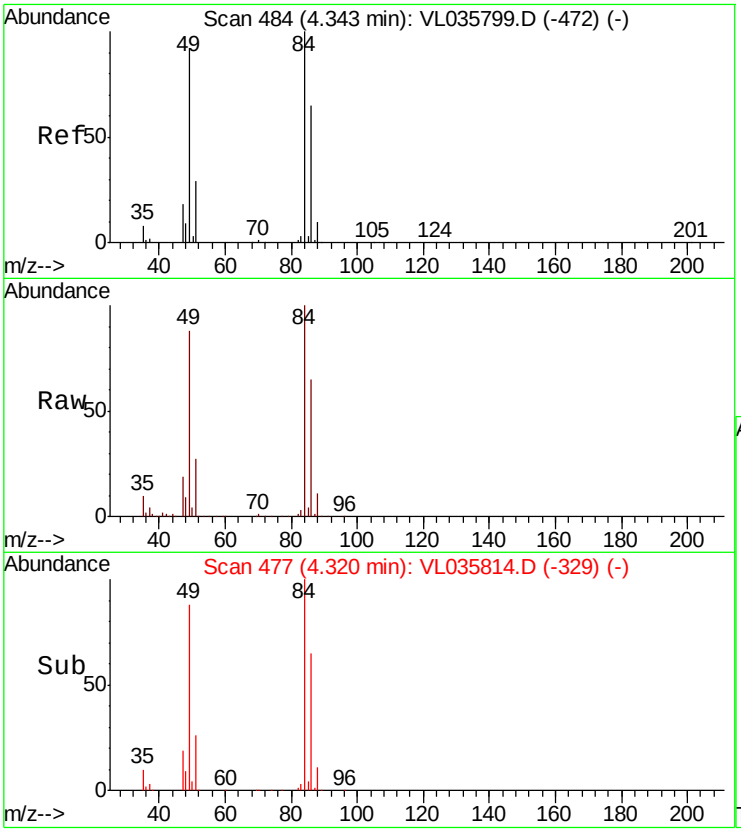


#19
Isopropyl Alcohol
Concen: 0.067 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Tgt Ion: 45 Resp: 4367

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.6	3.8#



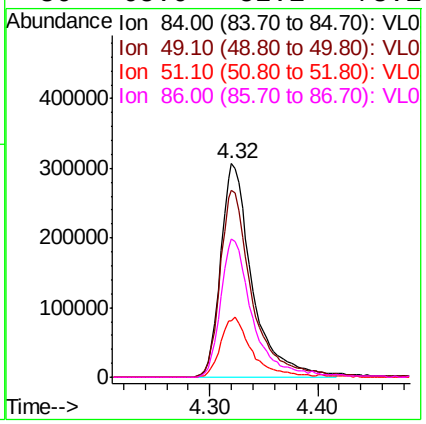


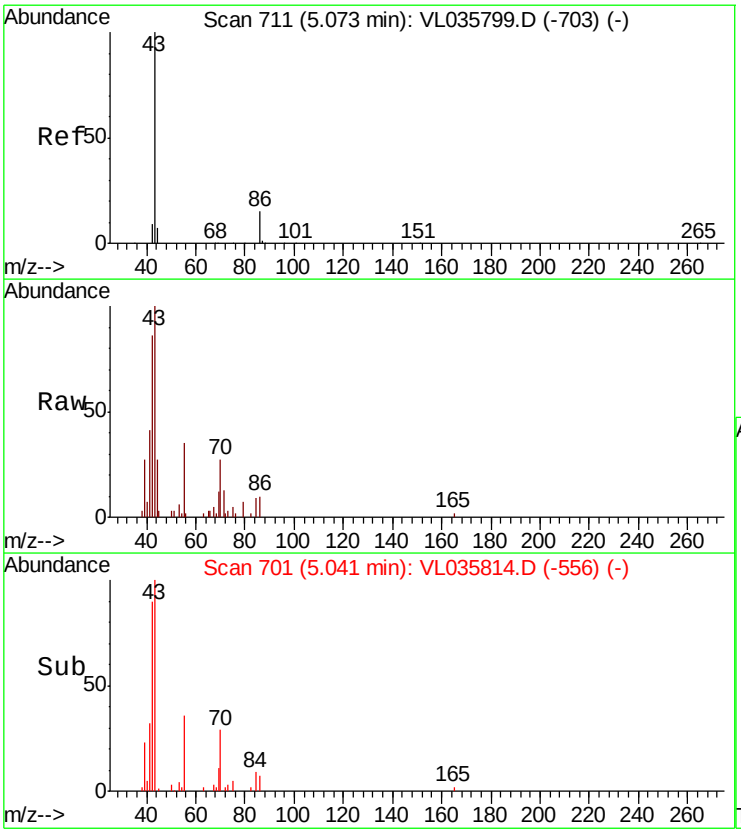
#20
Methylene Chloride
Concen: 8.346 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.02 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 623413

Ion	Ratio	Lower	Upper
84	100		
49	87.6	73.8	110.8
51	26.6	23.0	34.4
86	65.0	52.1	78.1

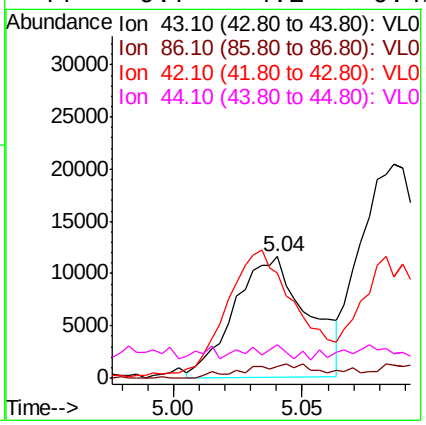


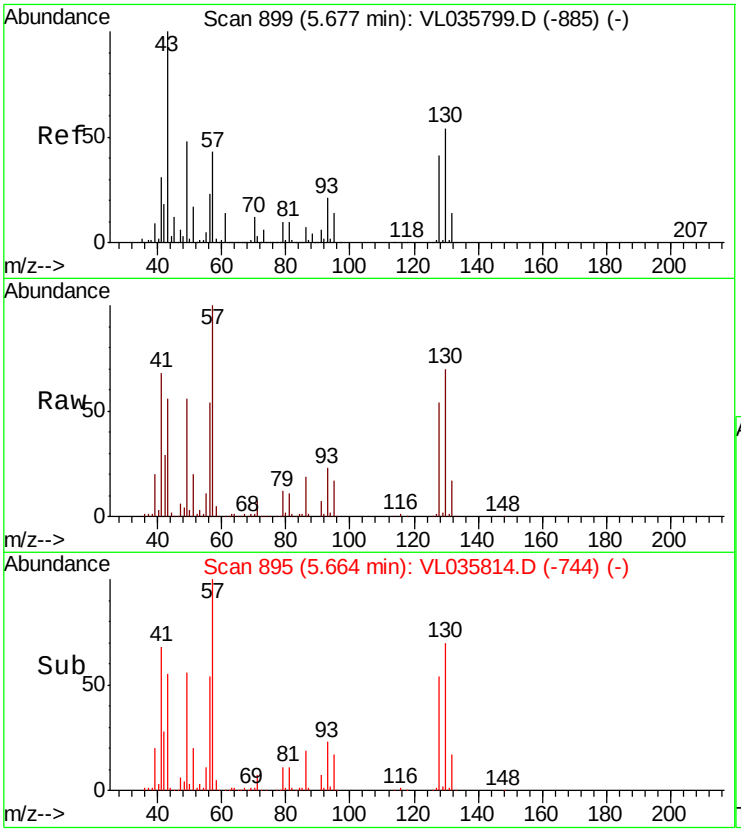


#23
Vinyl Acetate
Concen: 0.154 ppbv
RT: 5.04 min Scan# 701
Delta R.T. -0.03 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Tgt Ion: 43 Resp: 22870

Ion	Ratio	Lower	Upper
43	100		
86	10.2	9.8	14.6
42	82.6	8.1	12.1#
44	9.7	4.2	6.4#



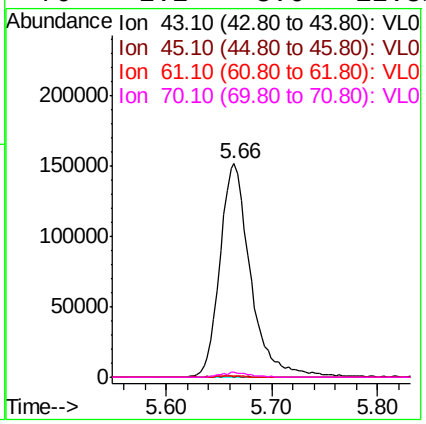


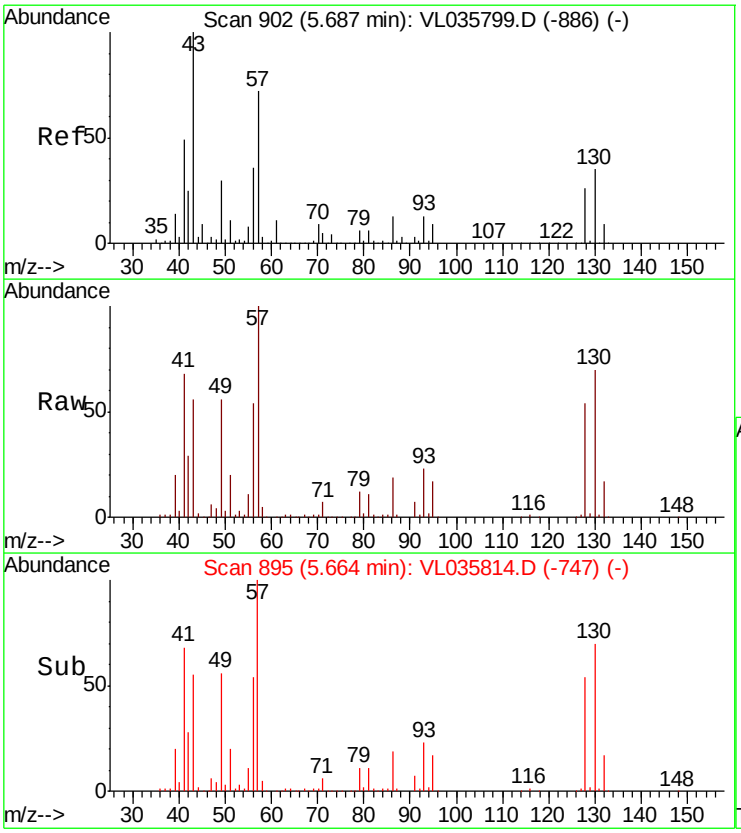
#25
Ethyl Acetate
Concen: 1.463 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 305829

Ion	Ratio	Lower	Upper
43	100		
45	0.4	8.5	12.7#
61	0.5	10.7	16.1#
70	2.2	8.6	12.8#

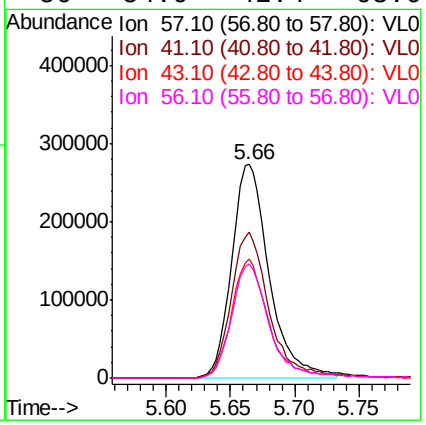


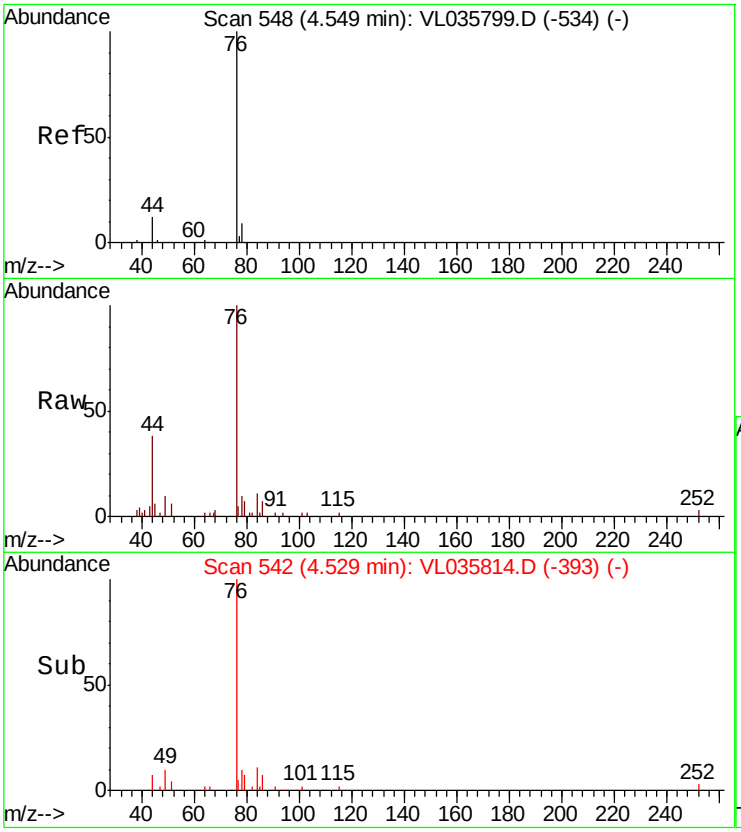


#26
Hexane
Concen: 4.803 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Tgt Ion: 57 Resp: 553756

Ion	Ratio	Lower	Upper
57	100		
41	68.9	58.9	88.3
43	55.6	150.2	225.2#
56	54.0	42.4	63.6



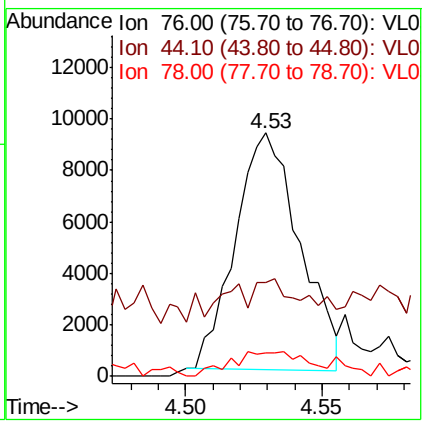


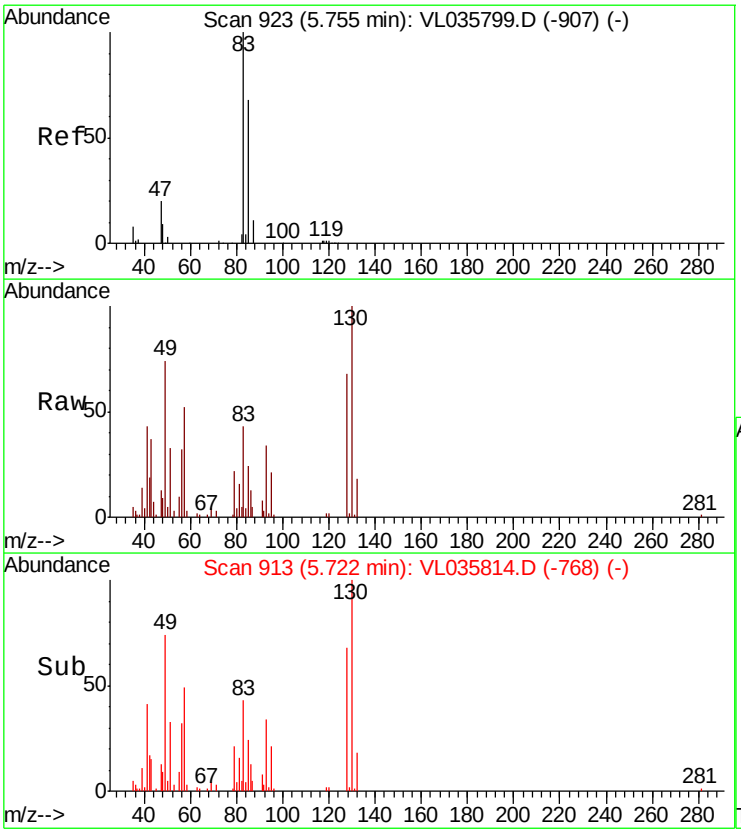
#27
Carbon Disulfide
Concen: 0.088 ppbv
RT: 4.53 min Scan# 542
Delta R.T. -0.02 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 15121

Ion	Ratio	Lower	Upper
76	100		
44	13.2	9.9	14.9
78	15.5	8.1	12.1#

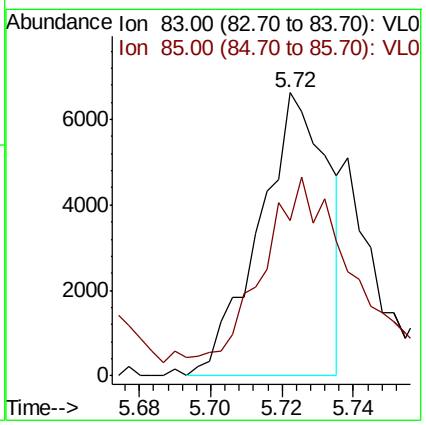


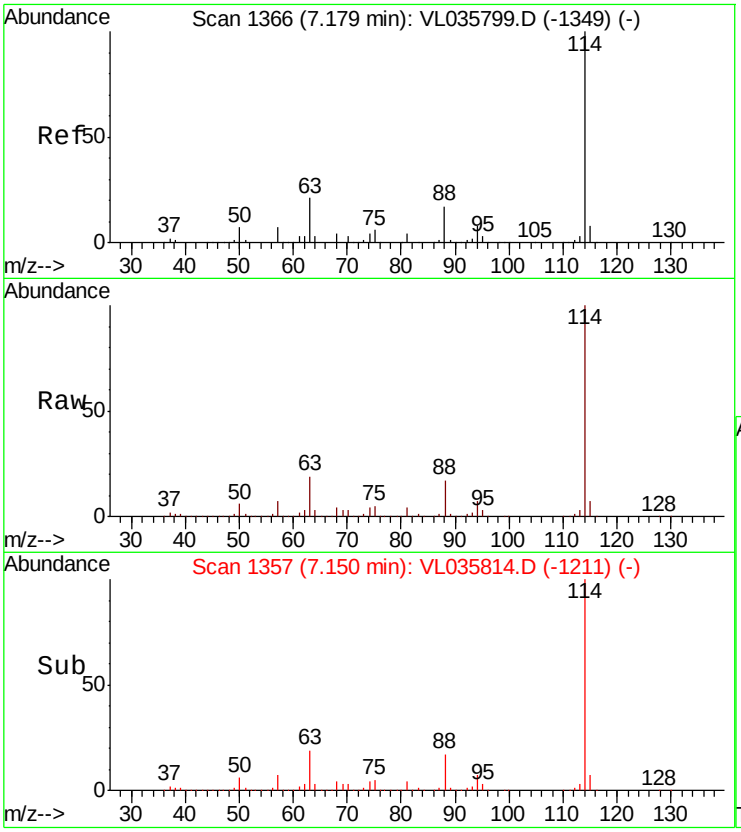


#29
Chloroform
Concen: 0.039 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.03 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Tgt Ion: 83 Resp: 8851

Ion	Ratio	Lower	Upper
83	100		
85	48.6	54.6	81.8#



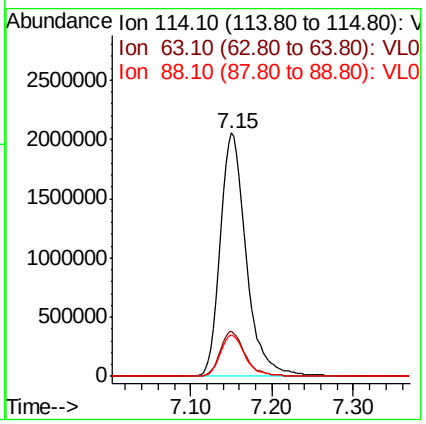


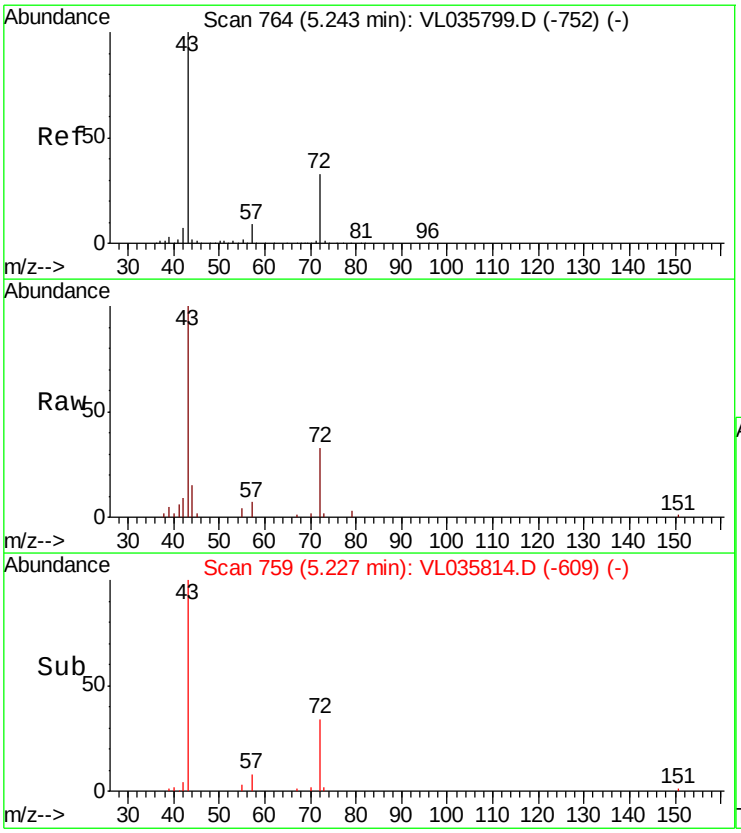
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.03 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 4631990

Ion	Ratio	Lower	Upper
114	100		
63	17.9	16.1	24.1
88	16.4	13.7	20.5

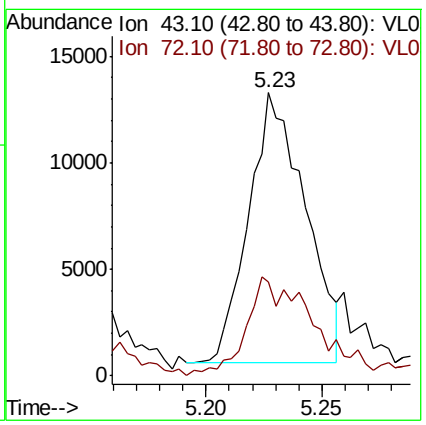


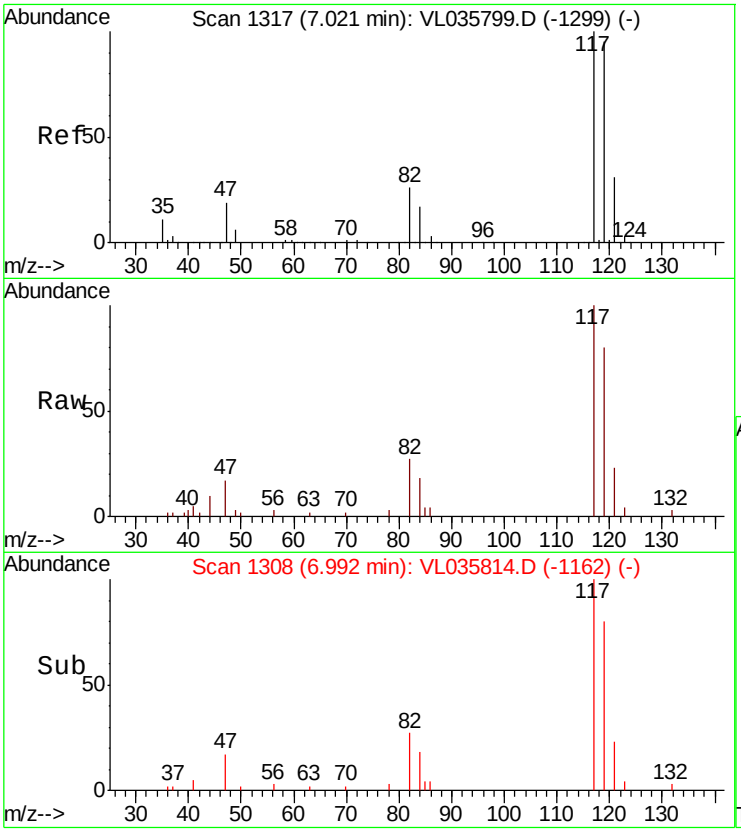


#34
2-Butanone
Concen: 0.144 ppbv
RT: 5.23 min Scan# 759
Delta R.T. -0.02 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Tgt Ion: 43 Resp: 21699

Ion	Ratio	Lower	Upper
43	100		
72	46.5	26.5	39.7#



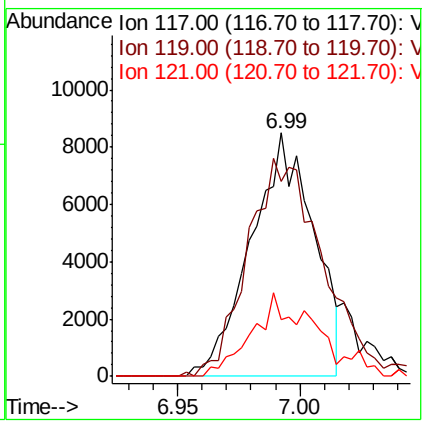


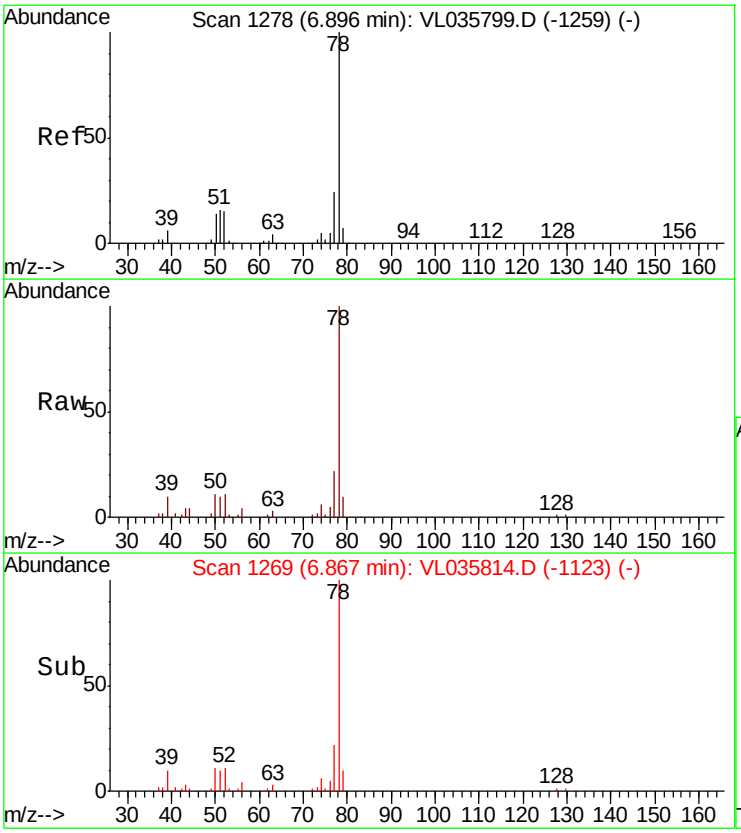
#35
Carbon Tetrachloride
Concen: 0.061 ppbv
RT: 6.99 min Scan# 1308
Delta R.T. -0.03 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 15103

Ion	Ratio	Lower	Upper
117	100		
119	78.1	75.6	113.4
121	23.0	25.1	37.7#

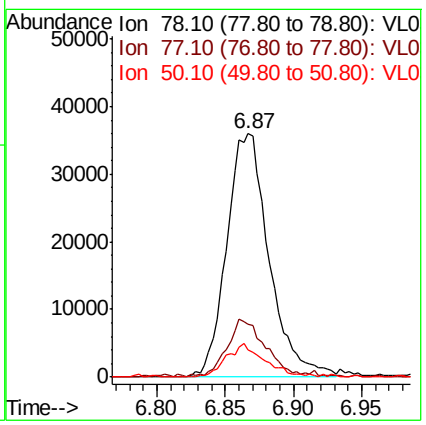


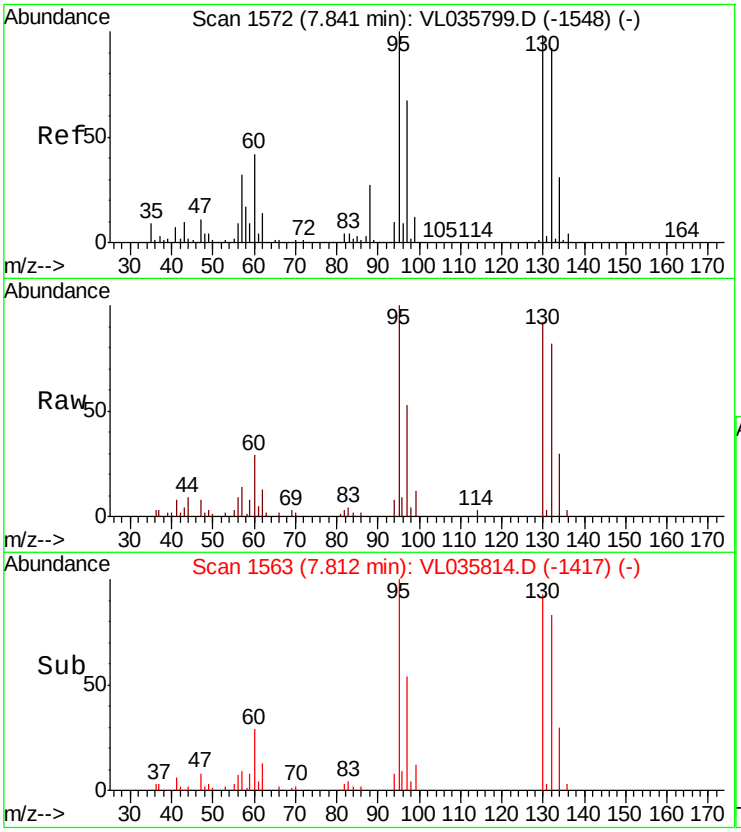


#36
Benzene
Concen: 0.225 ppbv
RT: 6.87 min Scan# 1269
Delta R.T. -0.03 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Tgt Ion: 78 Resp: 77636

Ion	Ratio	Lower	Upper
78	100		
77	21.9	19.3	28.9
50	11.3	11.4	17.2#



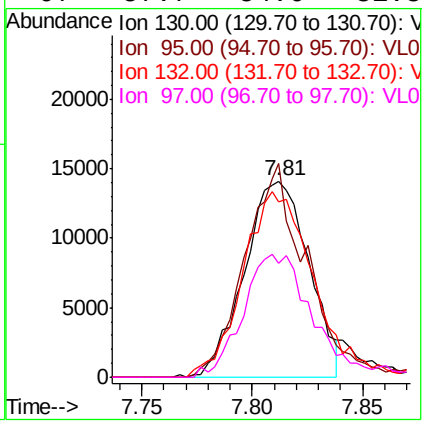


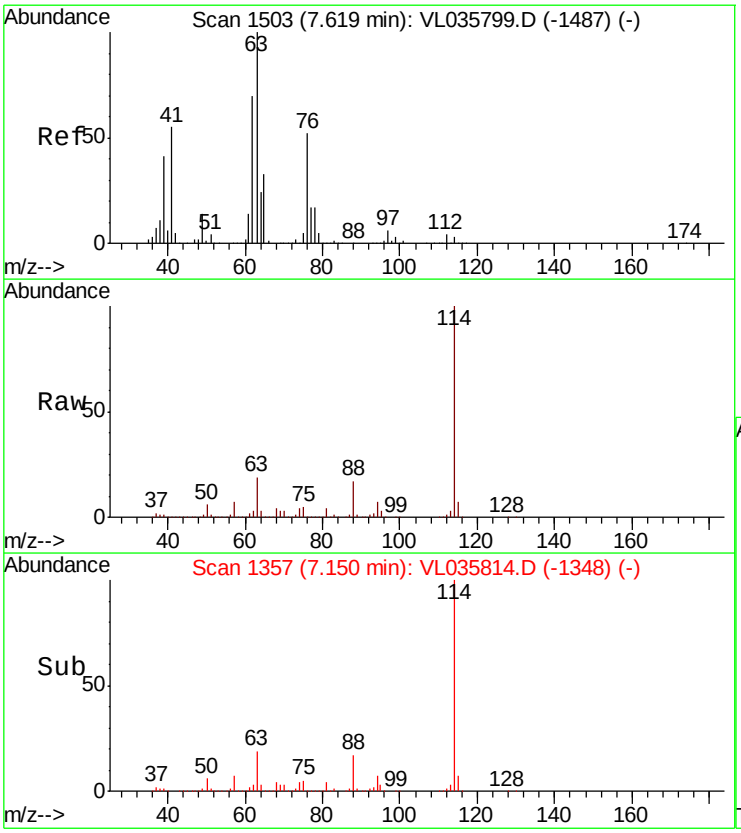
#38
Trichloroethene
Concen: 0.169 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. -0.03 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:130 Resp: 28486

Ion	Ratio	Lower	Upper
130	100		
95	108.7	81.6	122.4
132	89.4	75.1	112.7
97	57.7	54.6	81.8

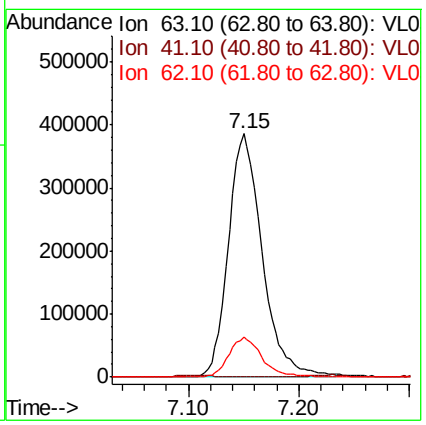


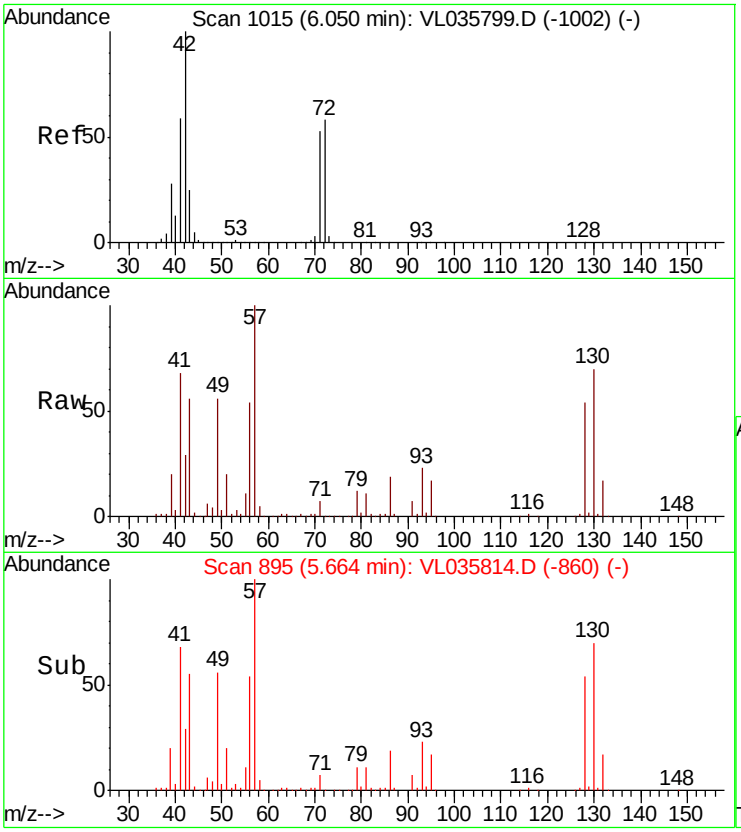


#39
1,2-Dichloropropane
Concen: 7.088 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.47 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Tgt Ion: 63 Resp: 821796

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



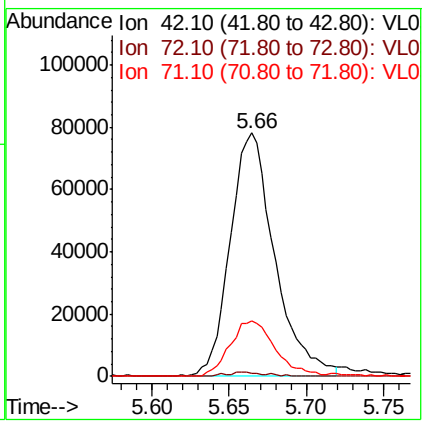


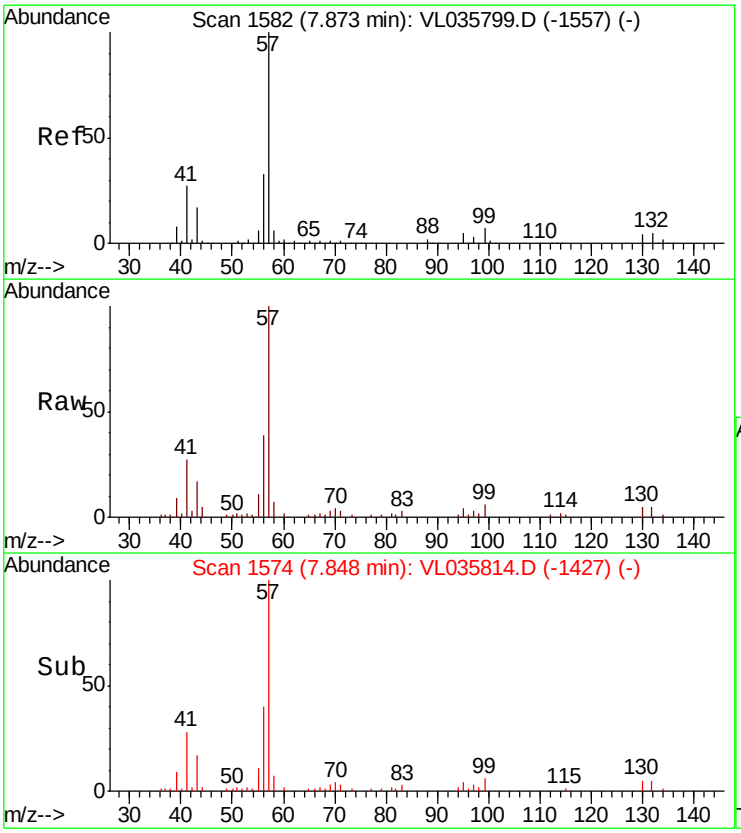
#41
Tetrahydrofuran
Concen: 1.811 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.39 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 154634

Ion	Ratio	Lower	Upper
42	100		
72	1.6	45.4	68.0#
71	24.4	43.4	65.2#

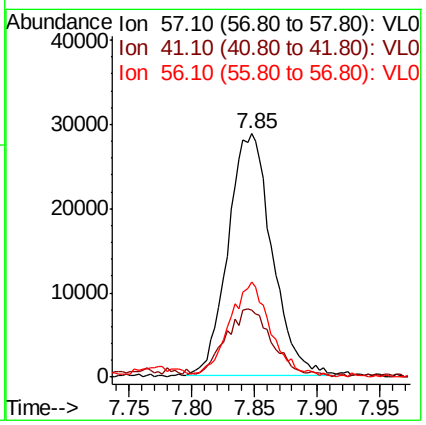


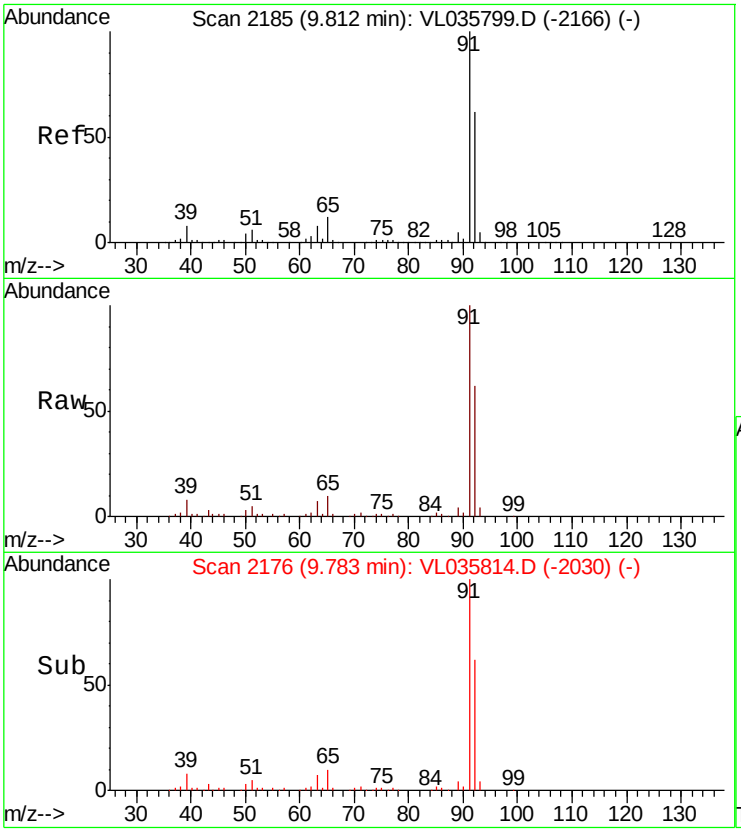


#44
2,2,4-Trimethylpentane
Concen: 0.153 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.03 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Tgt Ion: 57 Resp: 69922

Ion	Ratio	Lower	Upper
57	100		
41	31.8	21.0	31.4#
56	38.3	25.4	38.0#



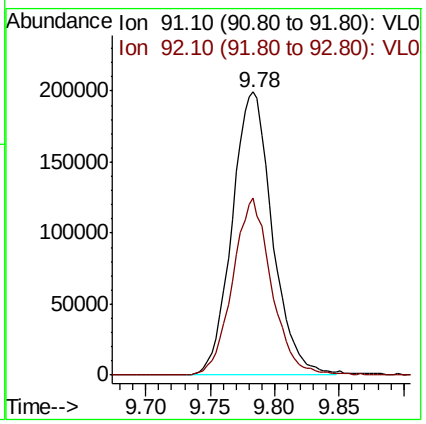


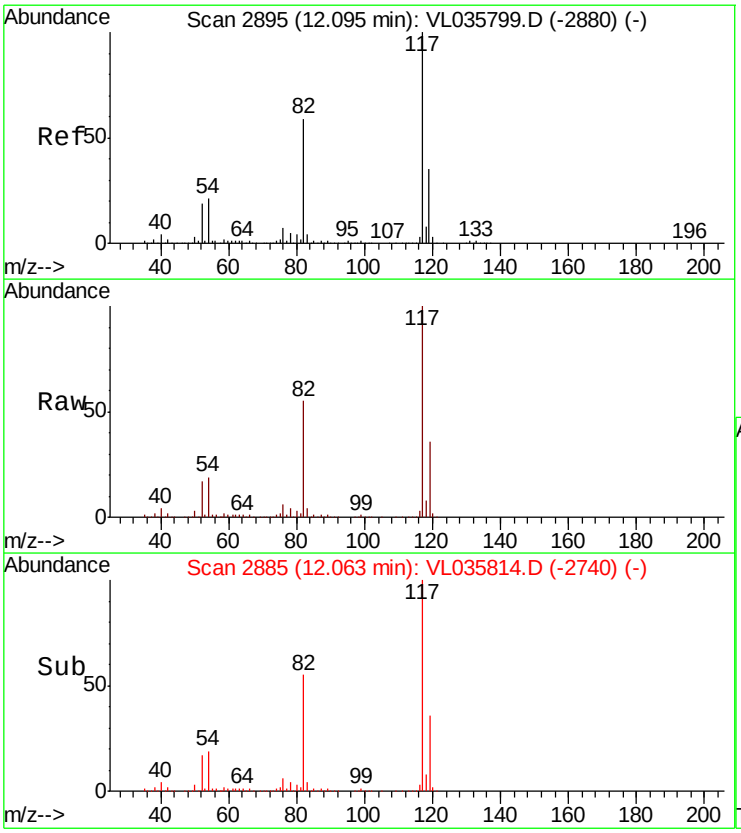
#53
Toluene
Concen: 1.043 ppbv
RT: 9.78 min Scan# 2176
Delta R.T. -0.03 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 433193

Ion	Ratio	Lower	Upper
91	100		
92	60.8	49.8	74.6

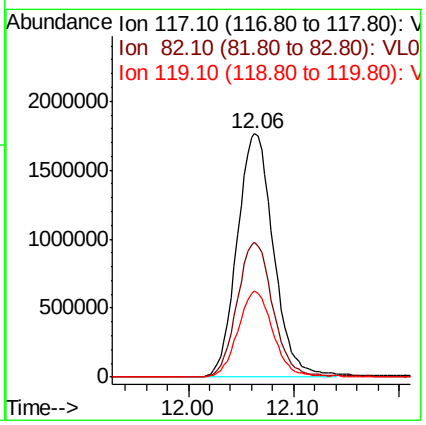


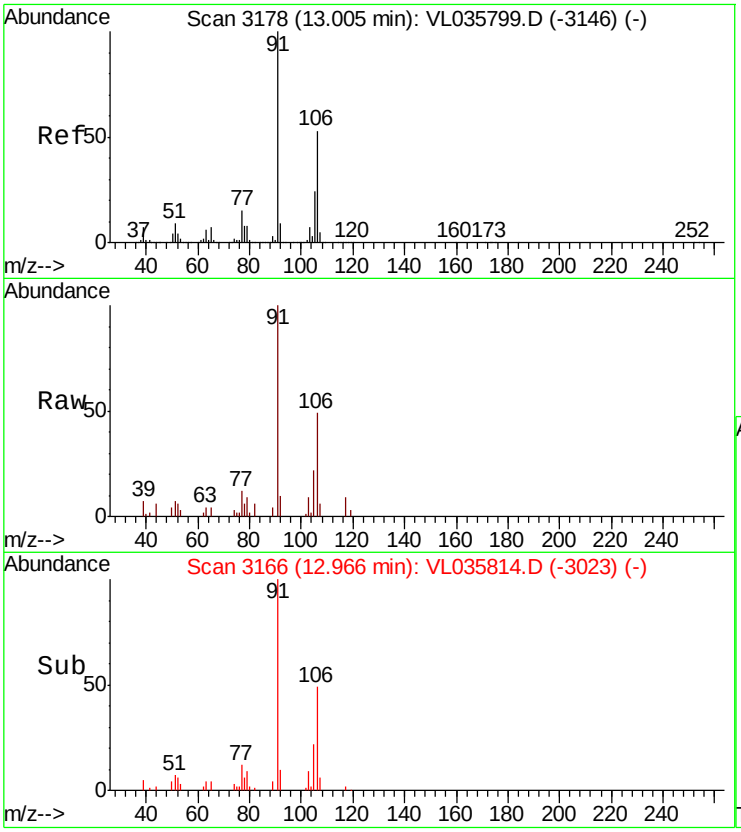


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.03 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Tgt Ion:117 Resp: 4234440

Ion	Ratio	Lower	Upper
117	100		
82	55.4	50.6	76.0
119	34.3	52.6	78.8#



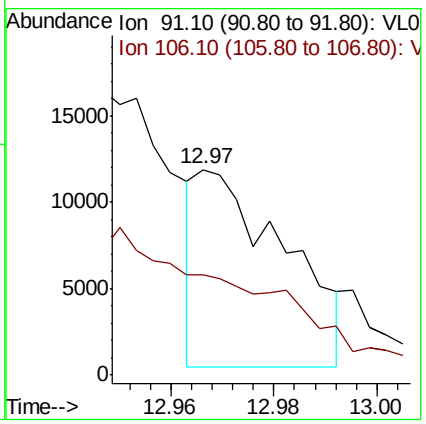


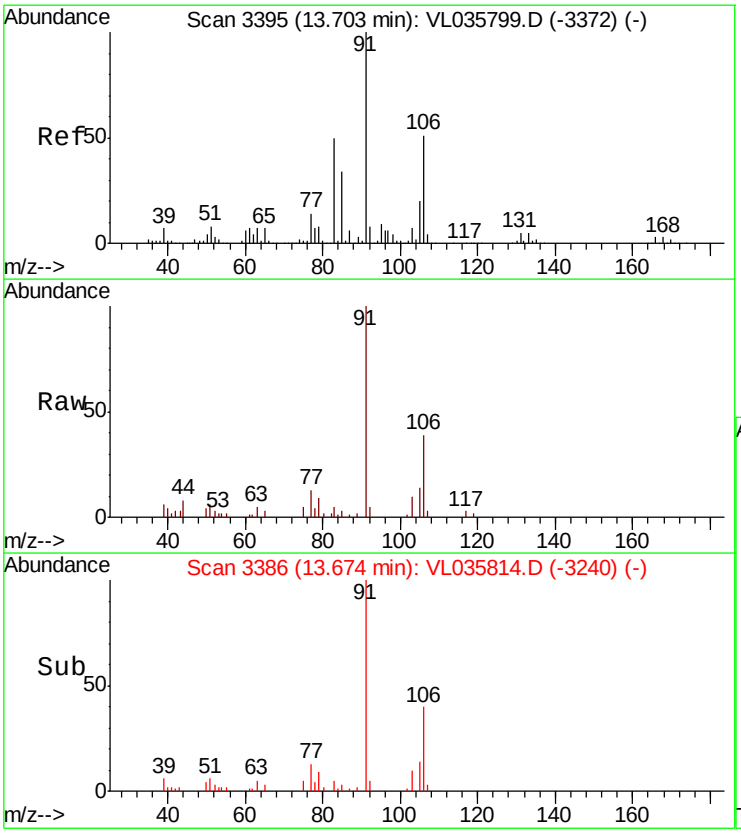
#59
m/p-Xylene
Concen: 0.031 ppbv
RT: 12.97 min Scan# 3166
Delta R.T. -0.04 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 13530

Ion	Ratio	Lower	Upper
91	100		
106	0.0	39.5	59.3#

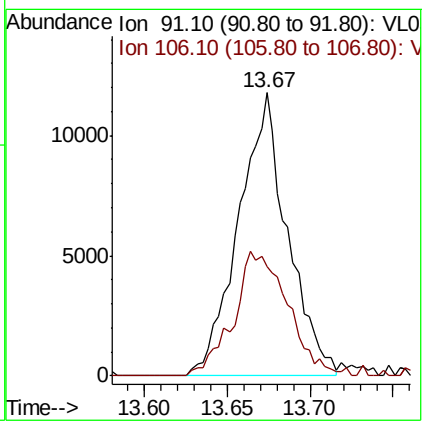


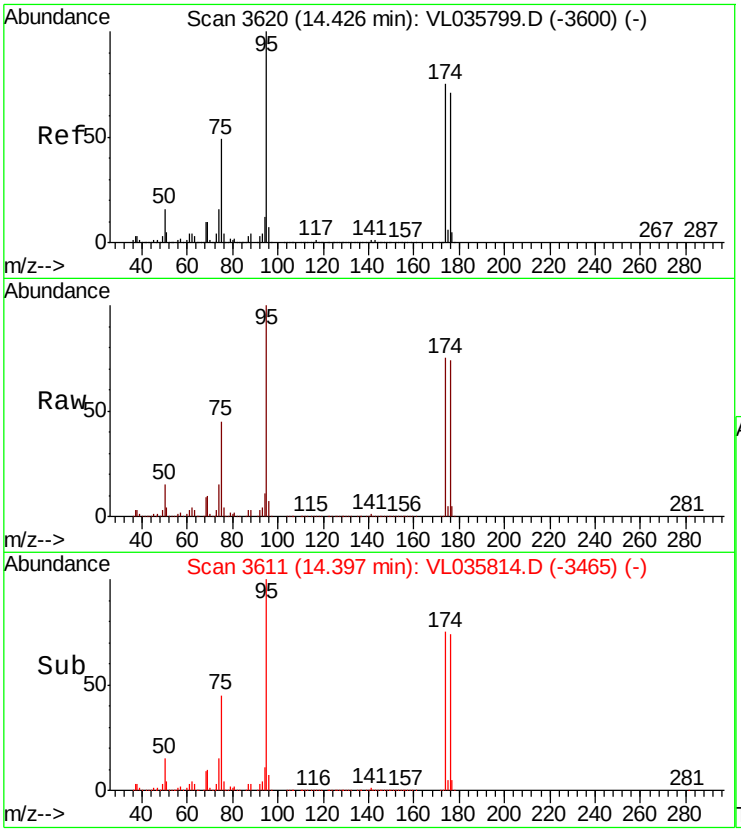


#60
o-Xylene
Concen: 0.057 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.03 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Tgt Ion: 91 Resp: 24170

Ion	Ratio	Lower	Upper
91	100		
106	49.3	24.8	74.4





#68
1-Bromo-4-Fluorobenzene
Concen: 9.981 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.03 min
Lab File: VL035814.D
Acq: 3 Nov 2020 22:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 3002834

Ion	Ratio	Lower	Upper
95	100		
174	79.4	59.8	89.6
175	5.5	4.3	6.5