Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111220\
Data File : VL035919.D
Acq On : 12 Nov 2020 18:42
Operator : SY/AP
Sample : L4720-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : CVS-4

Quant Time: Nov 13 00:59:26 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	1153785	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	4083588	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	3766555	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	2814013	10.52	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	57500	0.265	ppbv		94
3) Chlorodifluoromethane	2.96	51	889642	6.439	ppbv	#	58
4) Chloromethane	3.14	50	39121	0.583	ppbv		97
7) Chloroethane	3.55	64	4230	0.140	ppbv	#	84
9) Propene	3.20	41	279148	5.520	ppbv		97
10) Heptane	8.12	43	7956	0.057	ppbv	#	1
11) Trichlorofluoromethane	3.94	101	65026	0.238	ppbv		85
12) 1,1,2-Trichlorotrifluoroet	4.48	101	15714	0.077	ppbv		97
13) Ethanol	3.65	45	11392991	1038.442	ppbv	#	6
15) Acetone	3.84	43	2190637	17.759	ppbv		96
16) 1,3-Butadiene	3.35	39	135142	2.545	ppbv	#	2
17) tert-Butyl alcohol	4.03	59	467254	2.858	ppbv		95
19) Isopropyl Alcohol	4.03	45	9508111	125.433	ppbv	#	97
20) Methylene Chloride	4.34	84	1044998	12.034	ppbv		99
21) Allyl Chloride	4.12	41	231898	3.476	ppbv	#	48
23) Vinyl Acetate	5.05	43	38186	0.221	ppbv	#	7
25) Ethyl Acetate	5.68	43	598388	2.462	ppbv	#	83
26) Hexane	5.68	57	741308	5.532	ppbv	#	55
30) Cyclohexane	7.13	84	13125	0.090	ppbv	#	13
34) 2-Butanone	5.24	43	71711	0.541	ppbv		100
35) Carbon Tetrachloride	7.01	117	17751	0.081	ppbv	#	84
36) Benzene	6.89	78	90332	0.298	ppbv	#	91
37) 1,2-Dichloroethane	6.30	62	6520	0.047	ppbv	#	76
39) 1,2-Dichloropropane	7.17	63	842105	8.239	ppbv	#	30
41) Tetrahydrofuran	6.06	42	3670	0.049	ppbv	#	41
44) 2,2,4-Trimethylpentane	7.87	57	46786	0.116	ppbv	#	1
50) 4-Methyl-2-Pentanone	8.75	43	7985	0.039	ppbv		87
53) Toluene	9.81	91	1624692	4.435	ppbv		98
58) Ethyl Benzene	12.71	91	46352	0.101	ppbv	#	85
59) m/p-Xylene	12.97	91	139663	0.360	ppbv		100
60) o-Xylene	13.69	91	55409	0.147	ppbv		99
61) Styrene	13.53	104	12251	0.044	ppbv	#	73
73) 1,3,5-Trimethylbenzene	16.00	105	15249	0.036	ppbv		99
74) 1,2,4-Trimethylbenzene	16.76	105	61065	0.136	ppbv	#	68

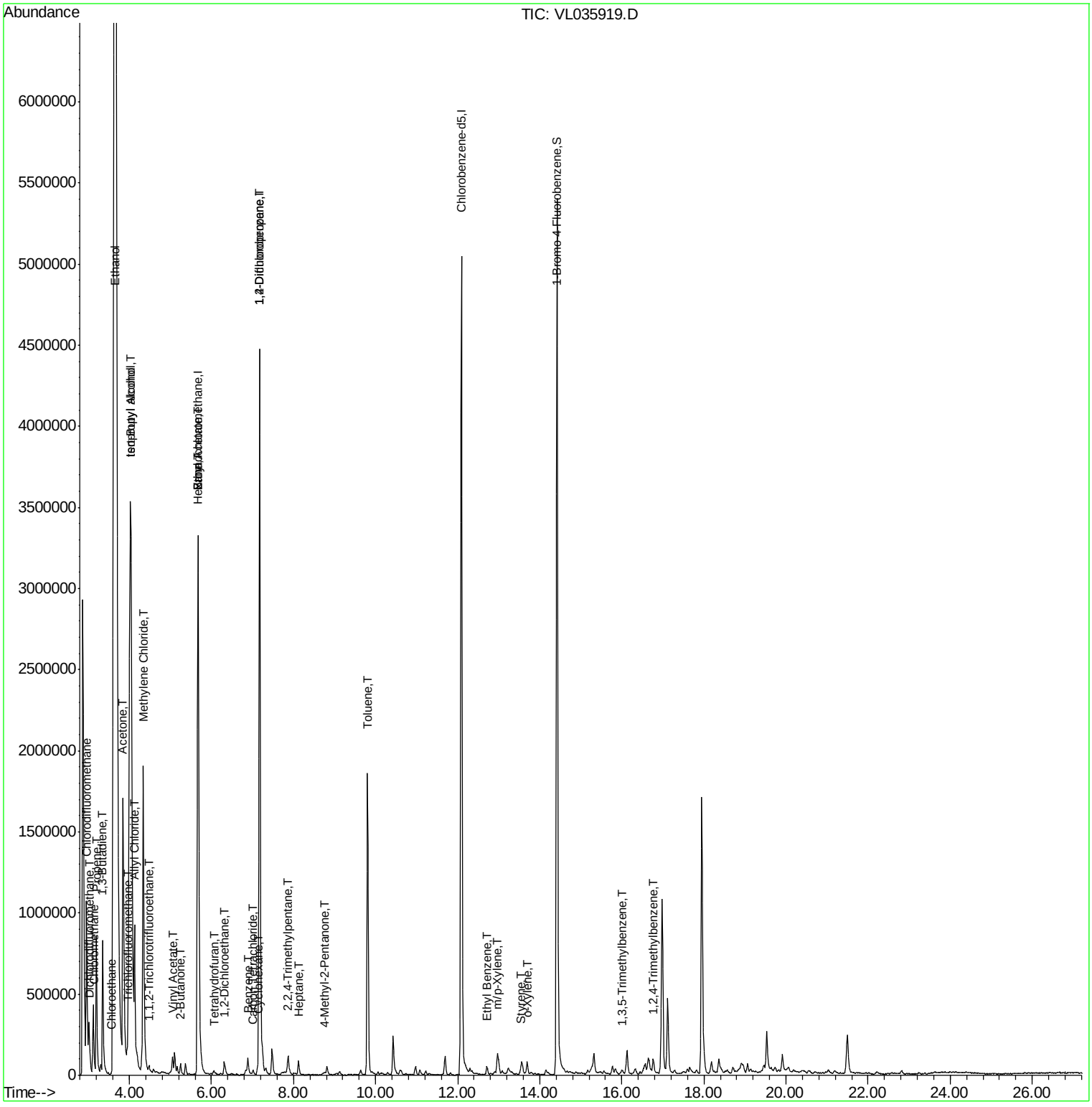
(#) = qualifier out of range (m) = manual integration (+) = signals summed

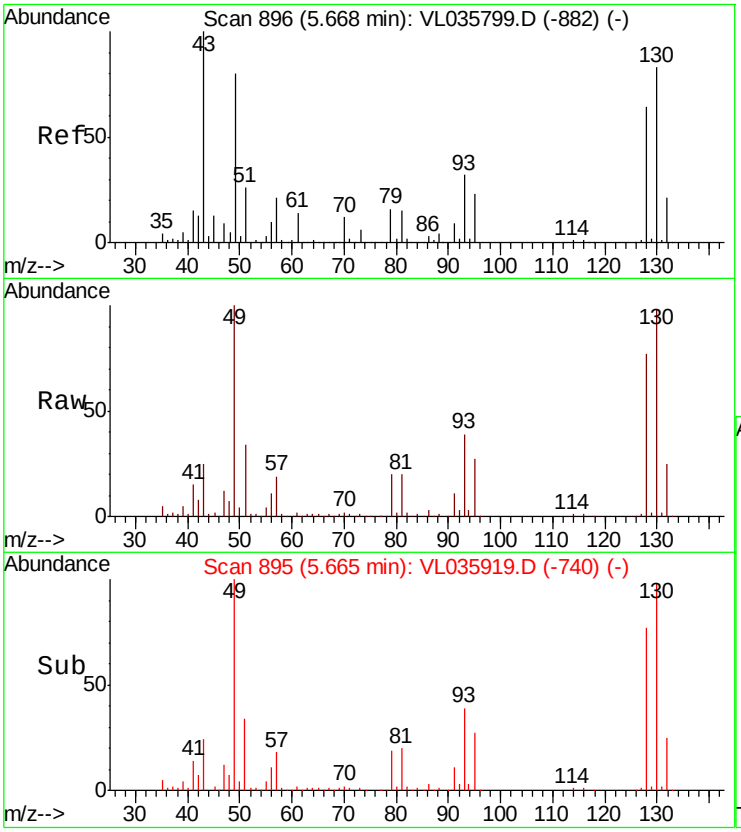
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111220\
Data File : VL035919.D
Acq On : 12 Nov 2020 18:42
Operator : SY/AP
Sample : L4720-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : CVS-4

Quant Time: Nov 13 00:59:26 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



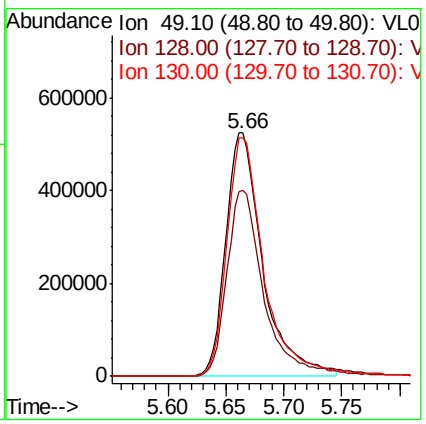


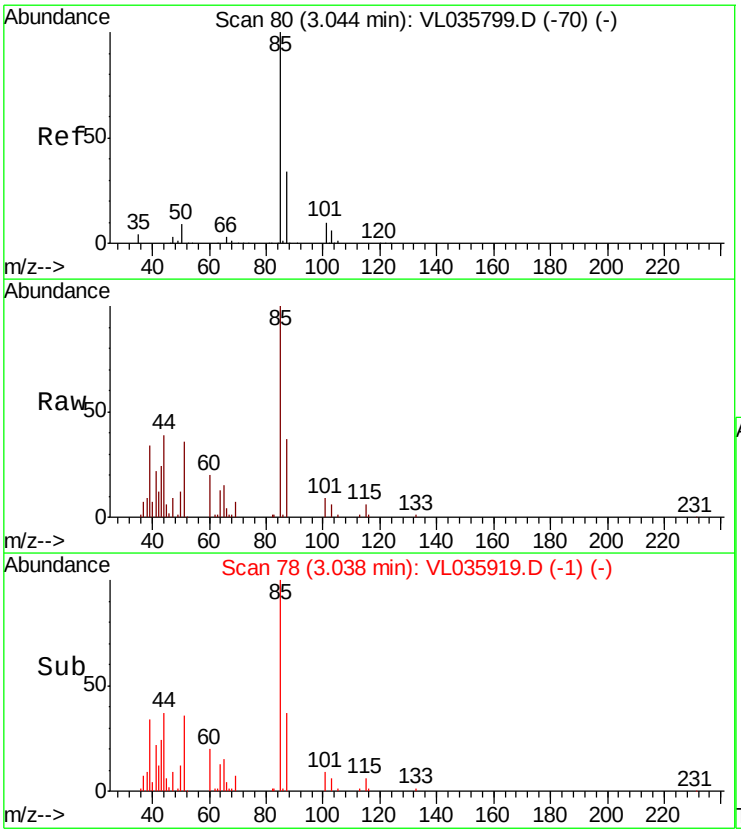
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Instrument :
MSVOA_L
ClientSampleId :
CVS-4

Tgt Ion: 49 Resp: 1153785

Ion	Ratio	Lower	Upper
49	100		
128	77.3	41.5	124.6
130	99.8	53.7	161.1

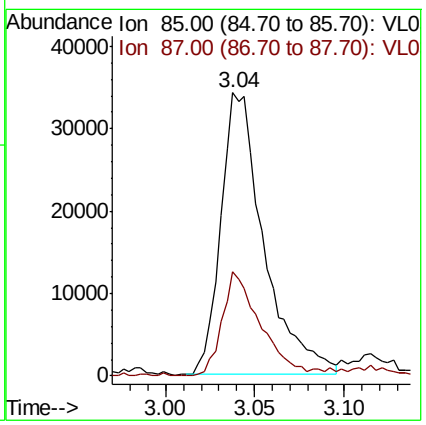


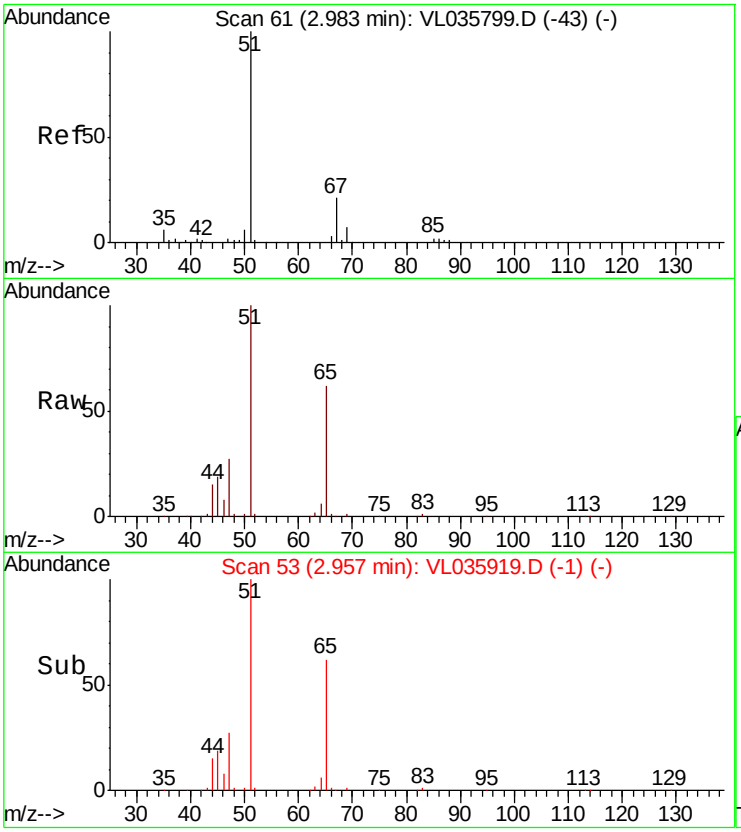


#2
Dichlorodifluoromethane
Concen: 0.265 ppbv
RT: 3.04 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Tgt Ion: 85 Resp: 57500

Ion	Ratio	Lower	Upper
85	100		
87	37.1	27.1	40.7



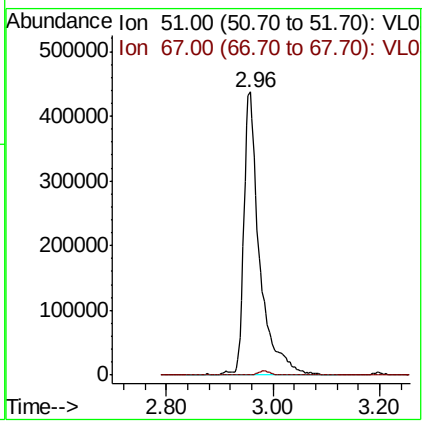


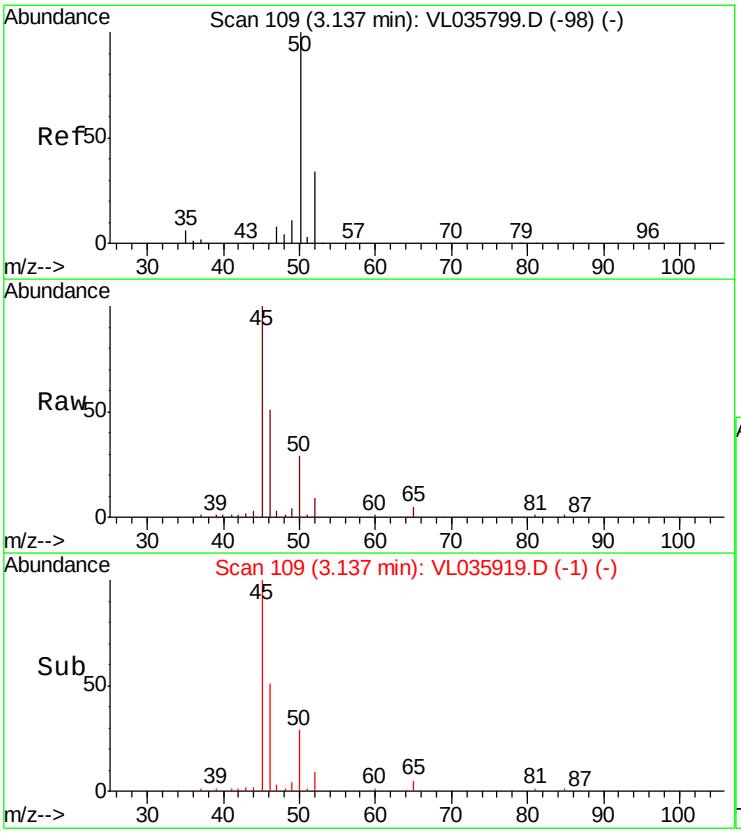
#3
Chlorodifluoromethane
Concen: 6.439 ppbv
RT: 2.96 min Scan# 53
Delta R.T. -0.03 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Instrument : MSVOA_L
ClientSampleId : CVS-4

Tgt Ion: 51 Resp: 889642

Ion	Ratio	Lower	Upper
51	100		
67	1.4	17.0	25.4#

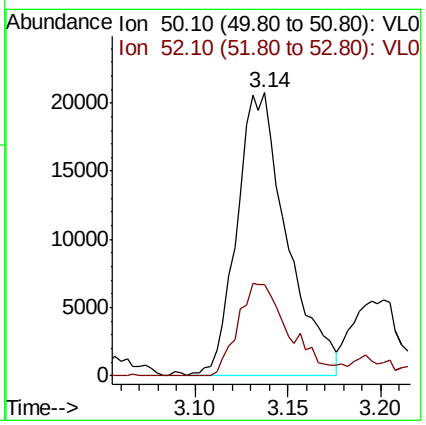


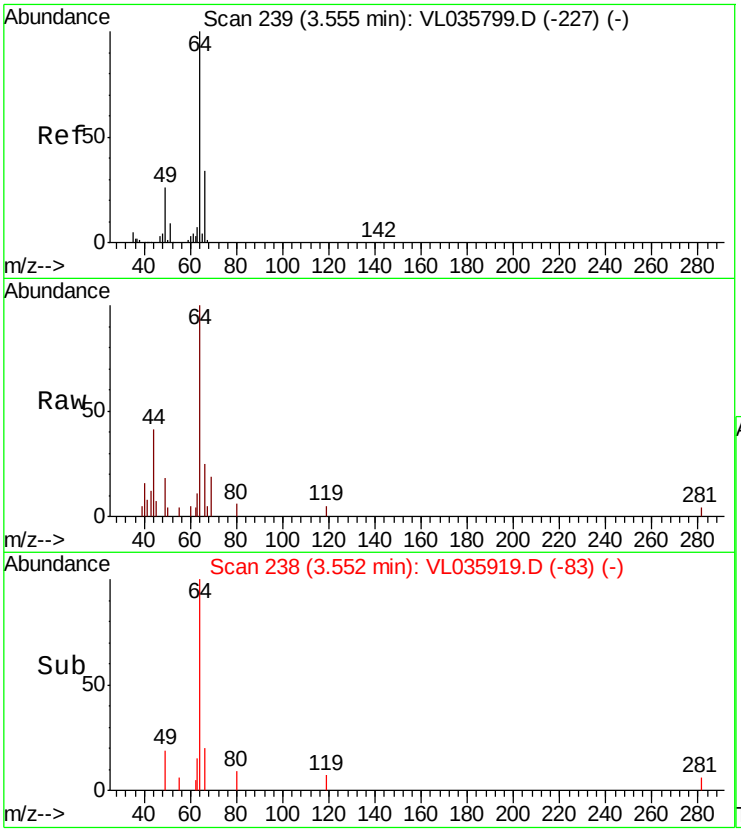


#4
Chloromethane
Concen: 0.583 ppbv
RT: 3.14 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Tgt Ion: 50 Resp: 39121

Ion	Ratio	Lower	Upper
50	100		
52	32.3	27.1	40.7



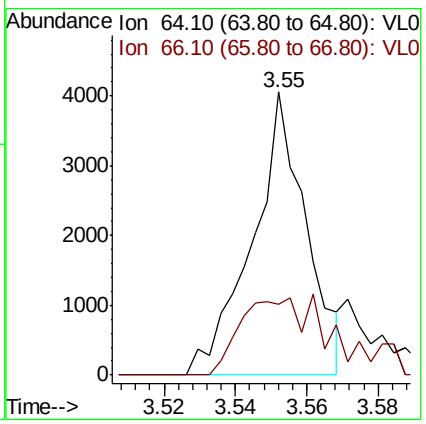


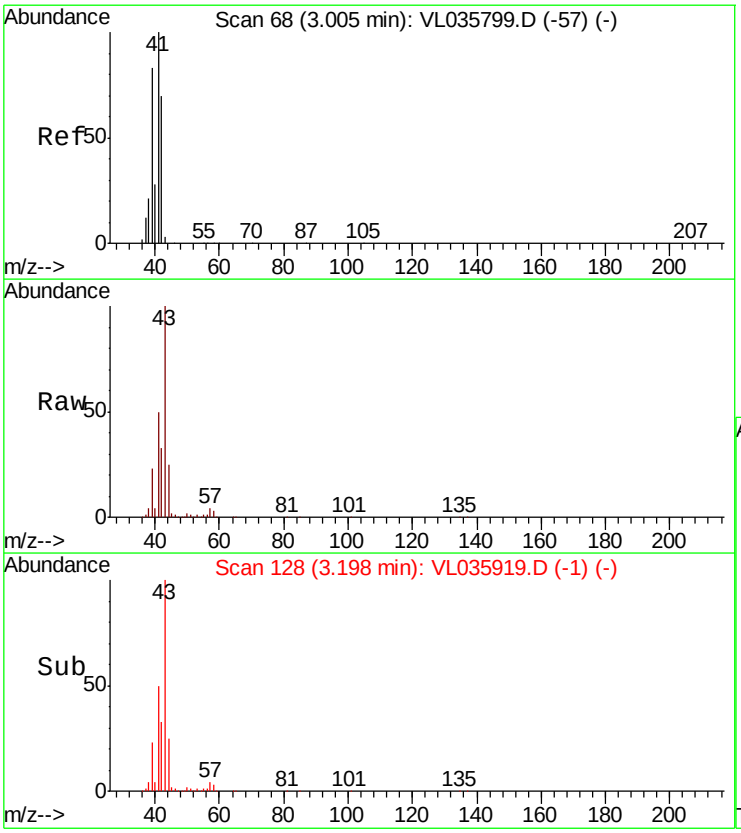
#7
Chloroethane
Concen: 0.140 ppbv
RT: 3.55 min Scan# 238
Delta R.T. -0.00 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Instrument :
MSVOA_L
ClientSampleId :
CVS-4

Tgt Ion: 64 Resp: 4230

Ion	Ratio	Lower	Upper
64	100		
66	24.9	27.0	40.6#

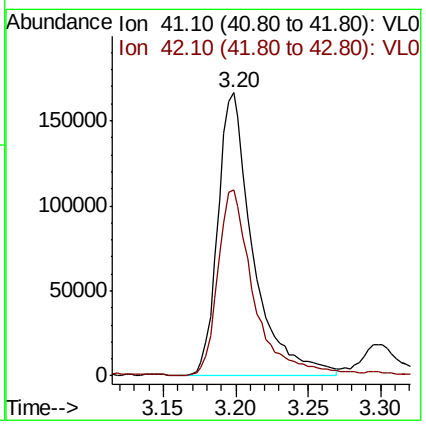


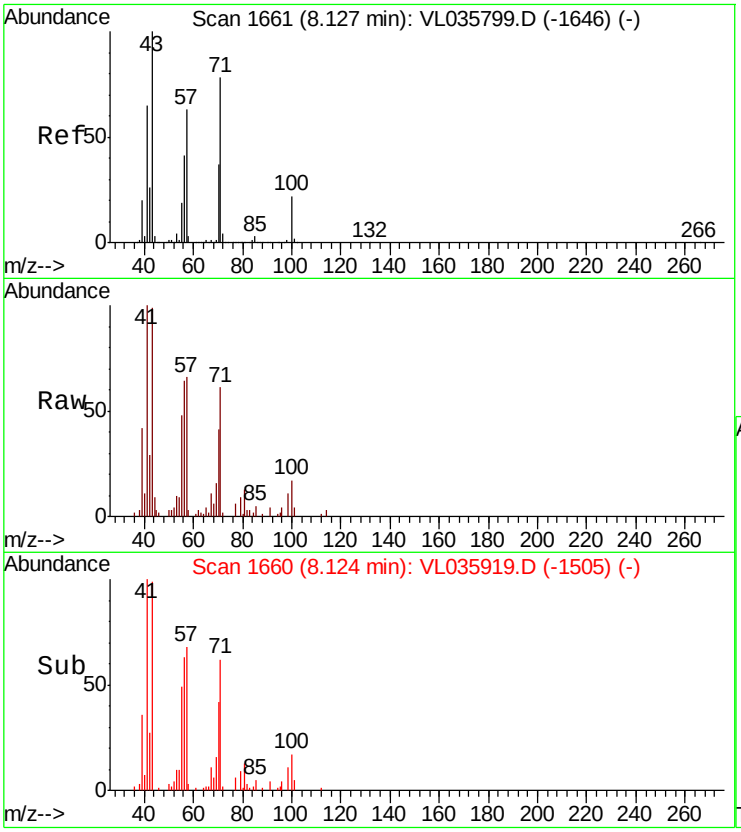


#9
Propene
Concen: 5.520 ppbv
RT: 3.20 min Scan# 128
Delta R.T. 0.19 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Tgt Ion: 41 Resp: 279148

Ion	Ratio	Lower	Upper
41	100		
42	68.1	56.2	84.4



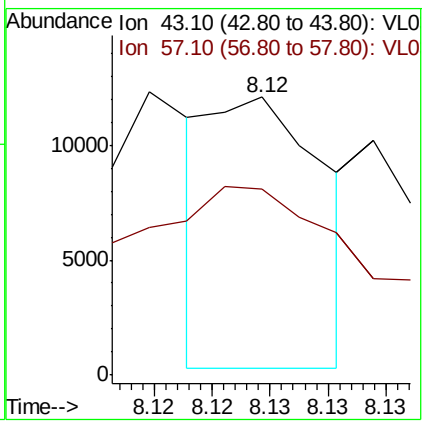


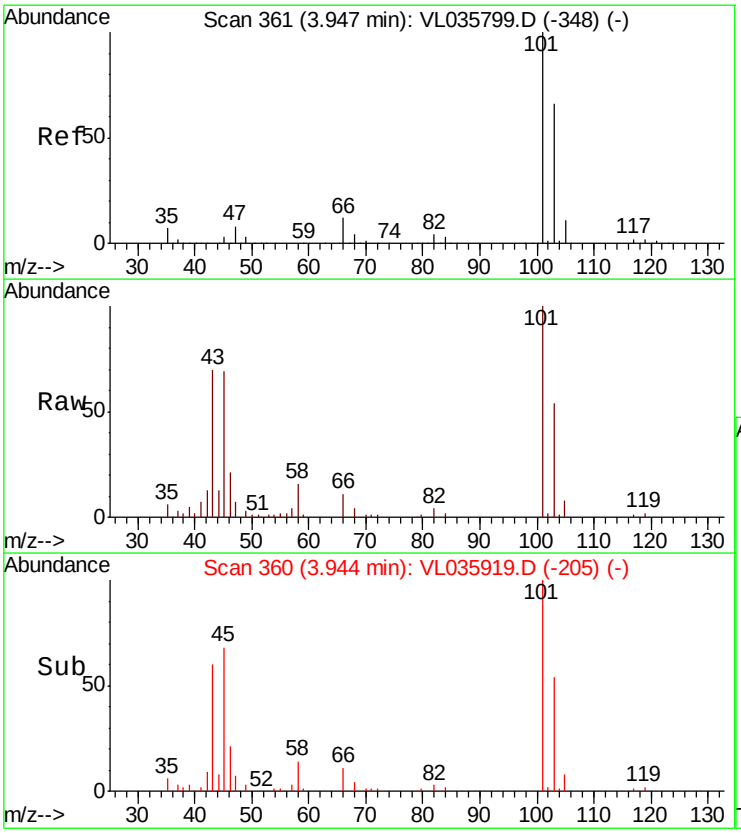
#10
Heptane
Concen: 0.057 ppbv
RT: 8.12 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Instrument :
MSVOA_L
ClientSampleId :
CVS-4

Tgt Ion: 43 Resp: 7956

Ion	Ratio	Lower	Upper
43	100		
57	216.2	50.0	75.0#

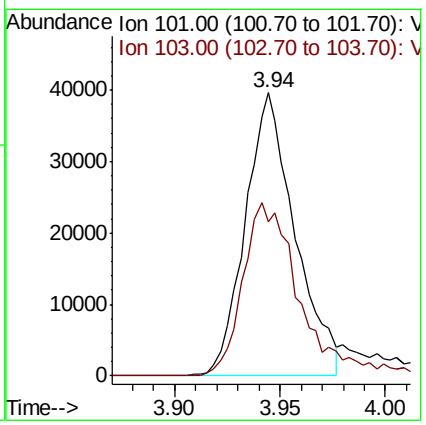


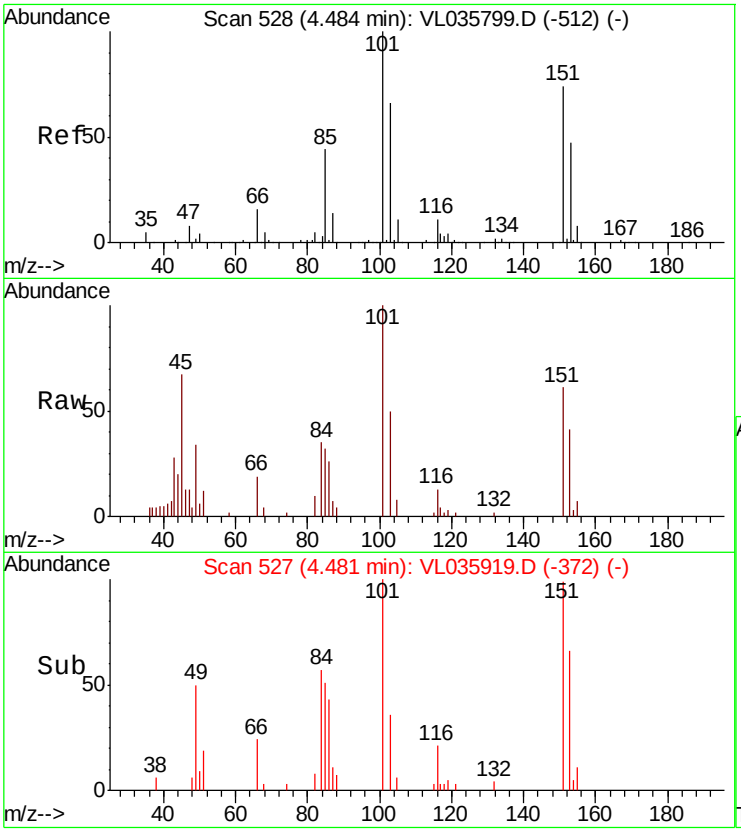


#11
Trichlorofluoromethane
Concen: 0.238 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.00 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Tgt Ion:101 Resp: 65026

Ion	Ratio	Lower	Upper
101	100		
103	54.3	53.0	79.4



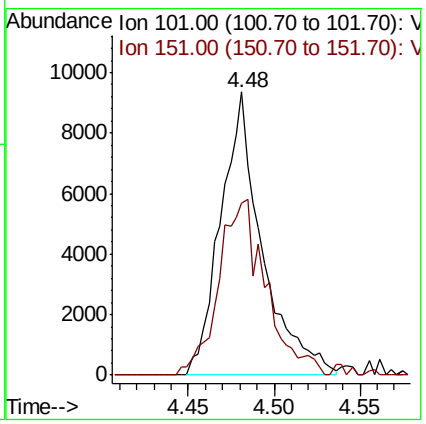


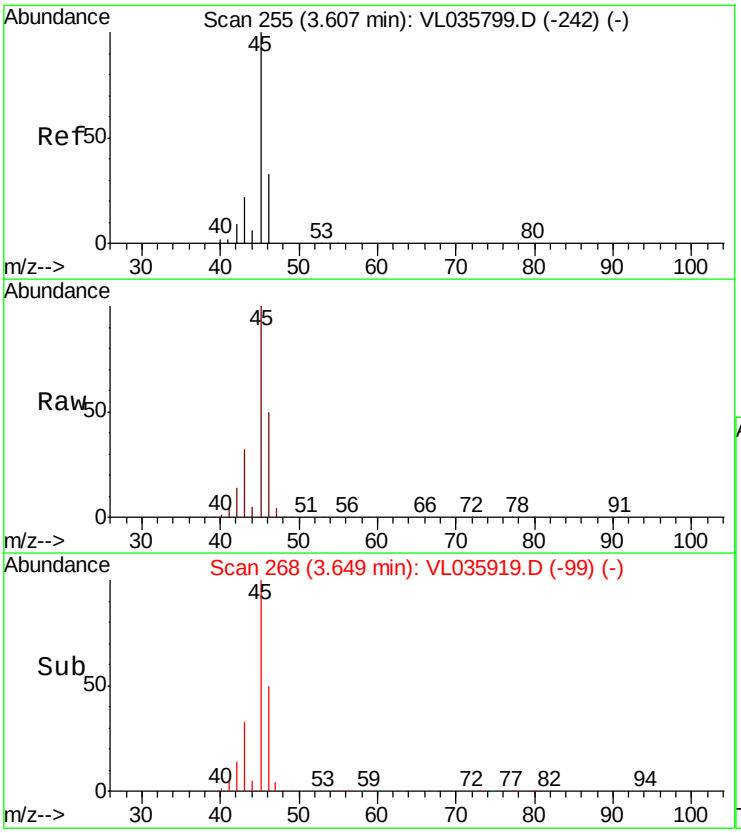
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.077 ppbv
RT: 4.48 min Scan# 527
Delta R.T. -0.00 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Instrument :
MSVOA_L
ClientSampleId :
CVS-4

Tgt Ion:101 Resp: 15714

Ion	Ratio	Lower	Upper
101	100		
151	71.0	58.9	88.3

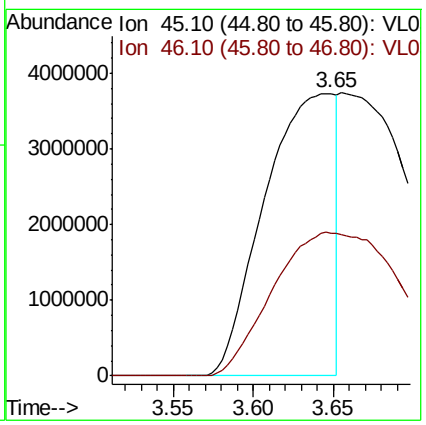


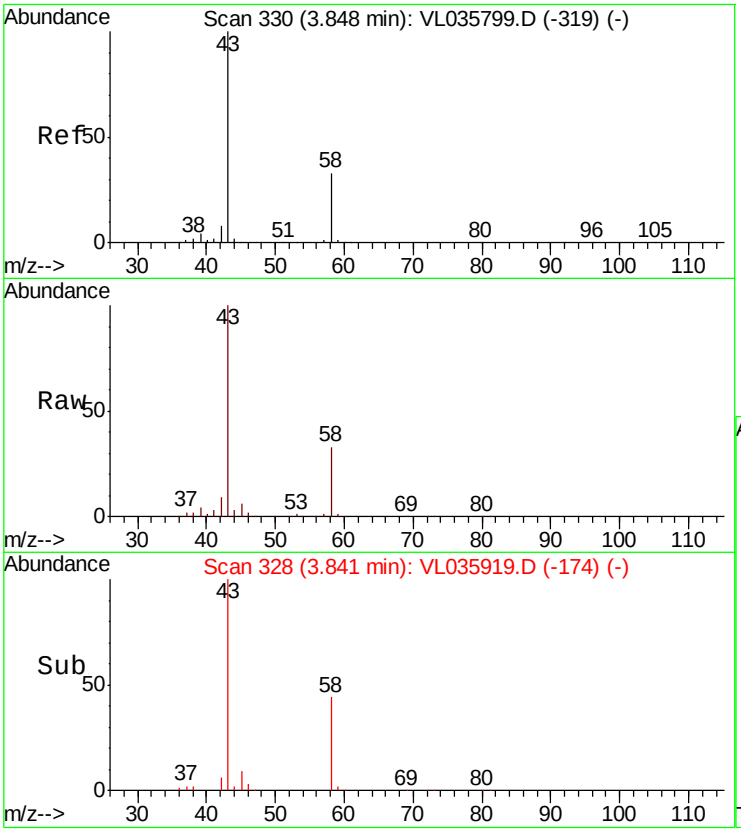


#13
Ethanol
Concen: 1038.442 ppbv
RT: 3.65 min Scan# 268
Delta R.T. 0.04 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Tgt Ion: 45 Resp:11392991

Ion	Ratio	Lower	Upper
45	100		
46	98.4	16.1	64.5#



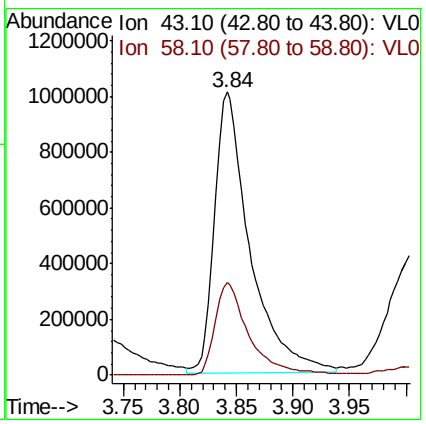


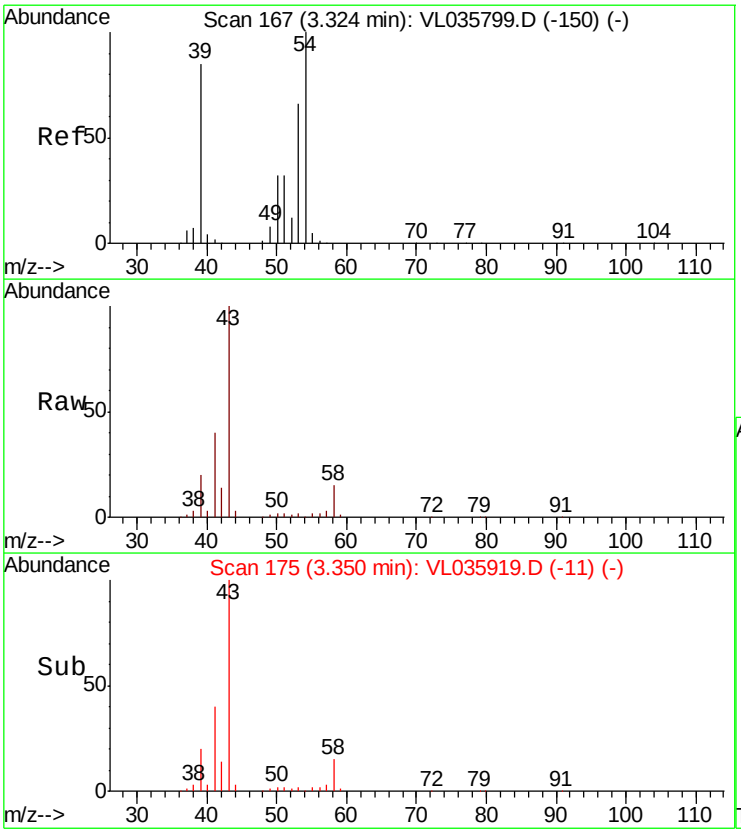
#15
Acetone
Concen: 17.759 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Instrument :
MSVOA_L
ClientSampleId :
CVS-4

Tgt Ion: 43 Resp: 2190637

Ion	Ratio	Lower	Upper
43	100		
58	31.9	27.5	41.3

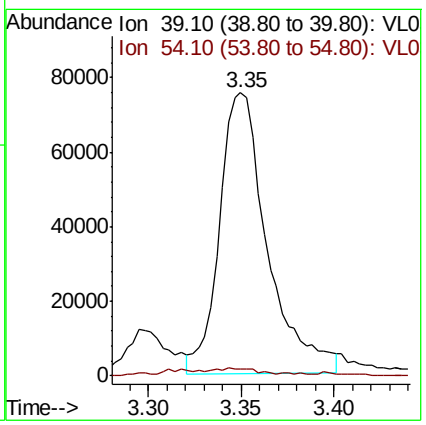


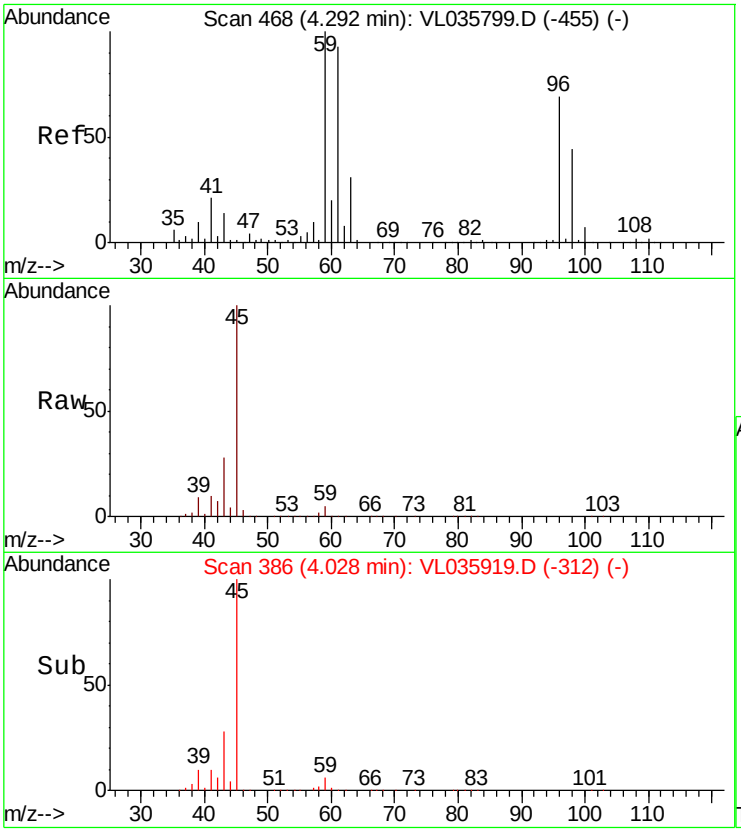


#16
1,3-Butadiene
Concen: 2.545 ppbv
RT: 3.35 min Scan# 175
Delta R.T. 0.03 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Tgt Ion: 39 Resp: 135142

Ion	Ratio	Lower	Upper
39	100		
54	6.1	87.1	130.7#



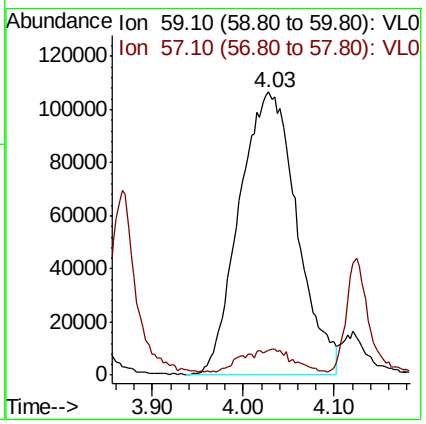


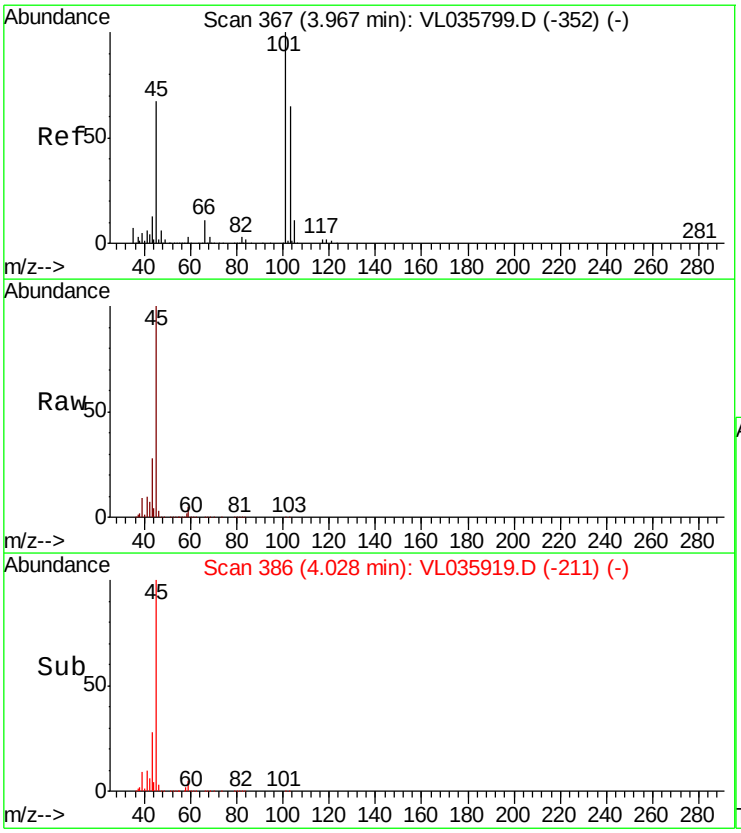
#17
tert-Butyl alcohol
Concen: 2.858 ppbv
RT: 4.03 min Scan# 386
Delta R.T. -0.26 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Instrument :
MSVOA_L
ClientSampleId :
CVS-4

Tgt Ion: 59 Resp: 467254

Ion	Ratio	Lower	Upper
59	100		
57	8.6	8.2	12.4

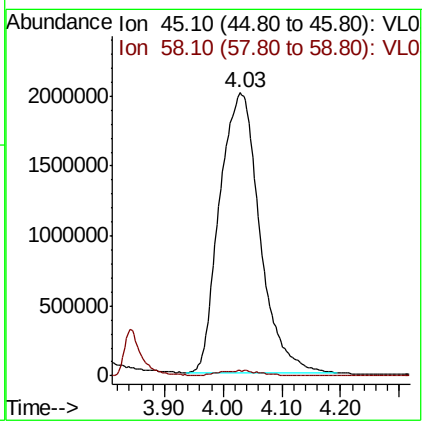


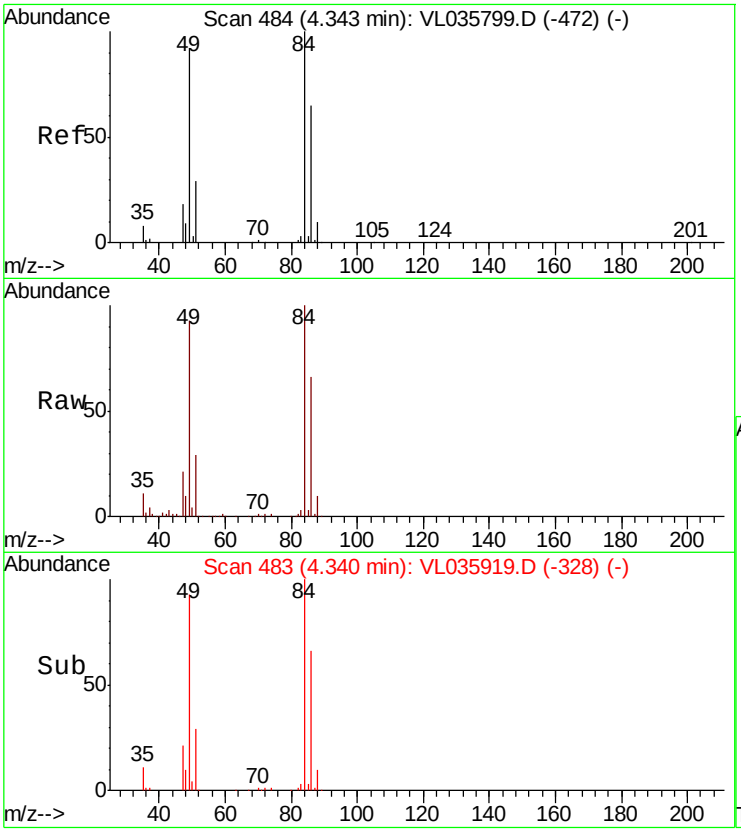


#19
Isopropyl Alcohol
Concen: 125.433 ppbv
RT: 4.03 min Scan# 386
Delta R.T. 0.06 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Tgt Ion: 45 Resp: 9508111

Ion	Ratio	Lower	Upper
45	100		
58	2.1	2.6	3.8#



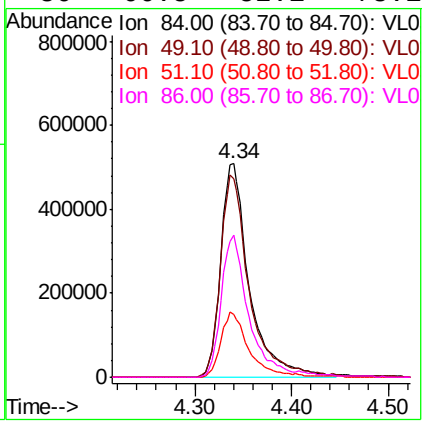


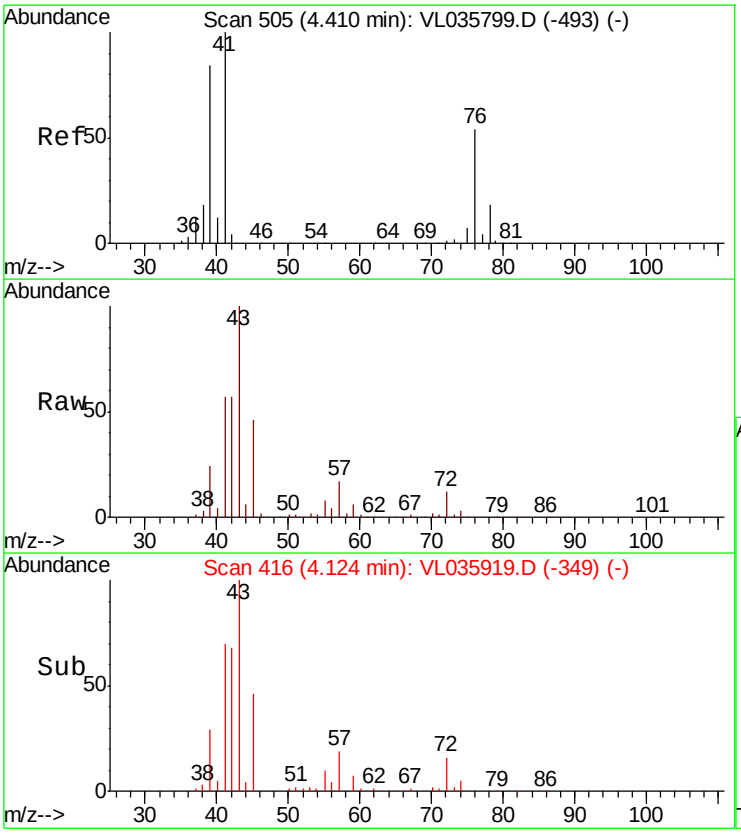
#20
Methylene Chloride
Concen: 12.034 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Instrument : MSVOA_L
ClientSampleId : CVS-4

Tgt Ion: 84 Resp: 1044998

Ion	Ratio	Lower	Upper
84	100		
49	93.1	73.8	110.8
51	29.3	23.0	34.4
86	66.5	52.1	78.1

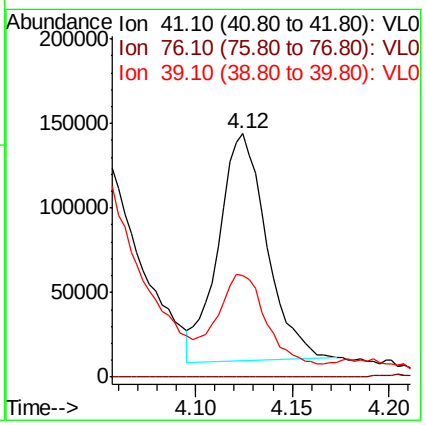


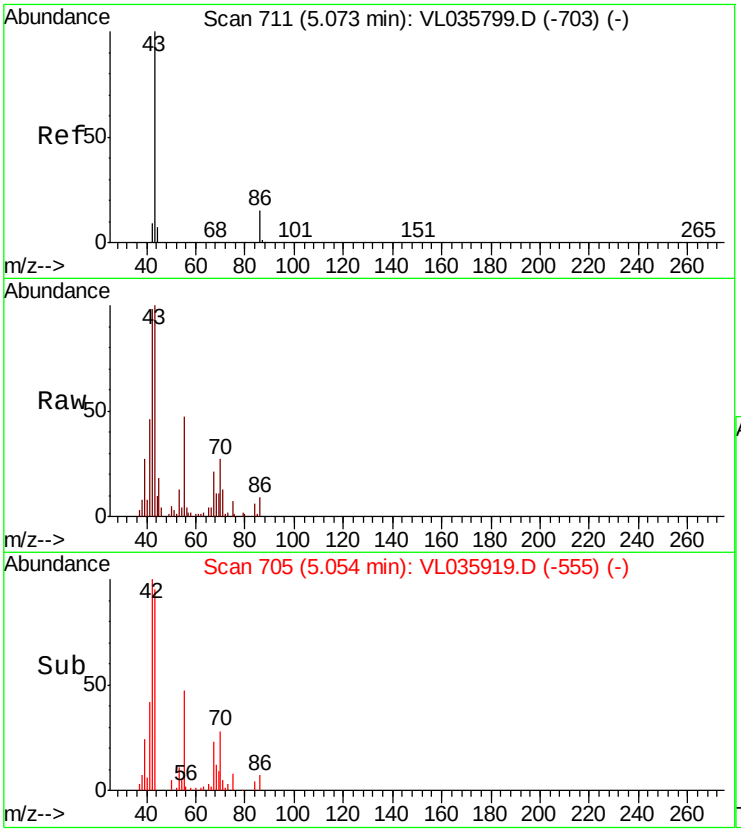


#21
Allyl Chloride
Concen: 3.476 ppbv
RT: 4.12 min Scan# 416
Delta R.T. -0.29 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Tgt Ion: 41 Resp: 231898

Ion	Ratio	Lower	Upper
41	100		
76	0.9	42.6	63.8#
39	49.5	67.0	100.4#



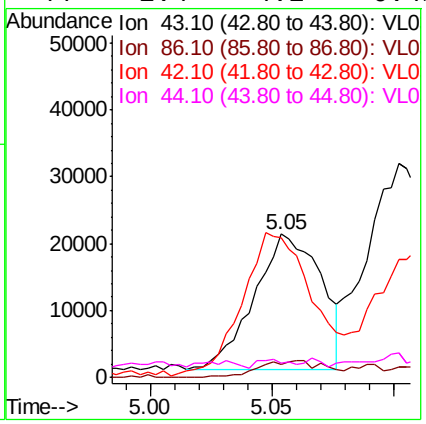


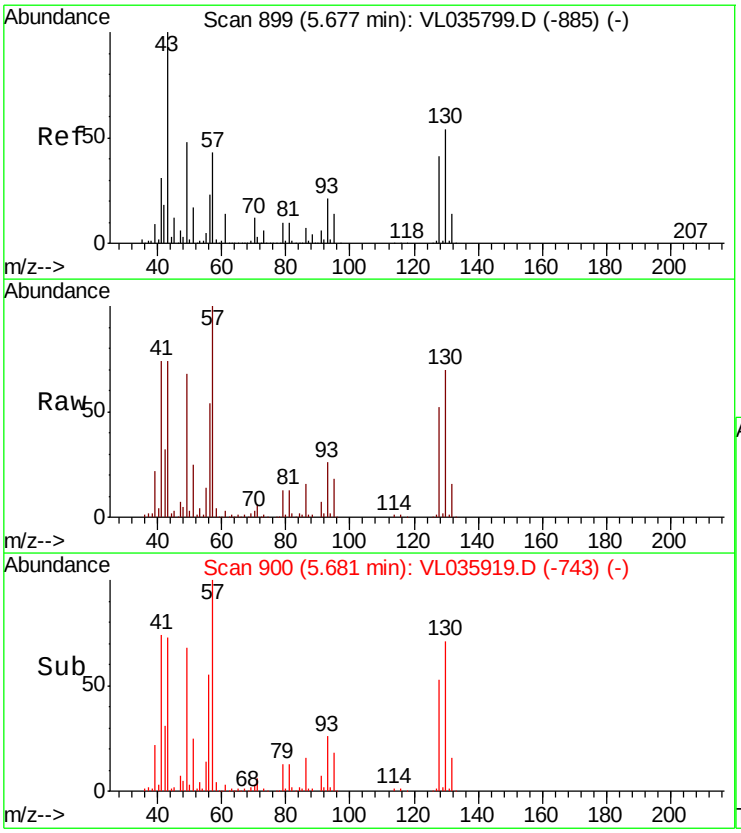
#23
Vinyl Acetate
Concen: 0.221 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.02 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Instrument : MSVOA_L
ClientSampleId : CVS-4

Tgt Ion: 43 Resp: 38186

Ion	Ratio	Lower	Upper
43	100		
86	9.1	9.8	14.6#
42	99.3	8.1	12.1#
44	2.4	4.2	6.4#

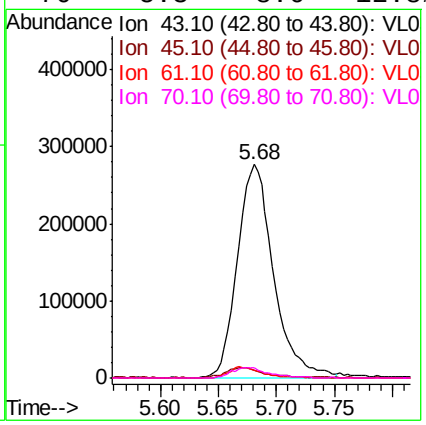


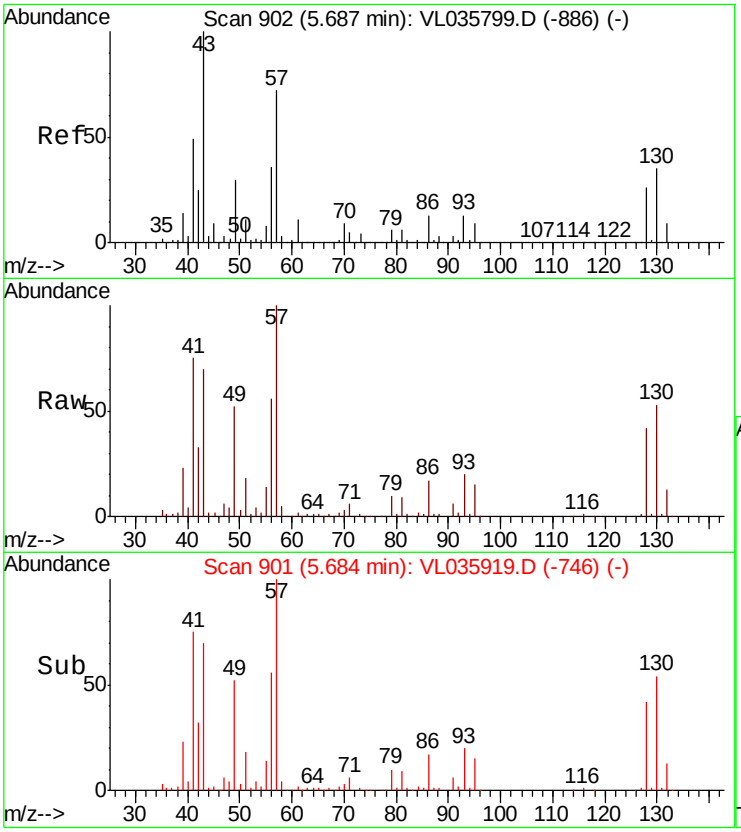


#25
Ethyl Acetate
Concen: 2.462 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Tgt Ion: 43 Resp: 598388

Ion	Ratio	Lower	Upper
43	100		
45	5.0	8.5	12.7#
61	4.9	10.7	16.1#
70	5.3	8.6	12.8#



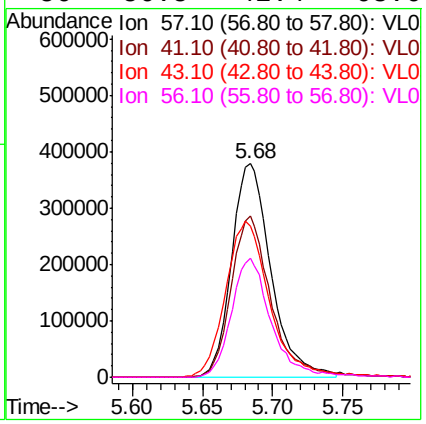


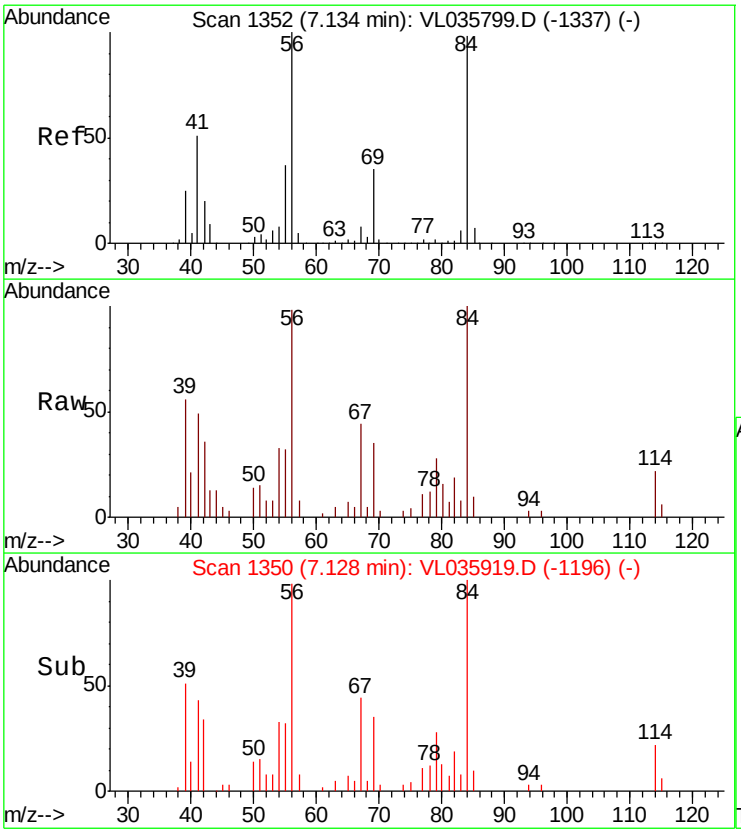
#26
Hexane
Concen: 5.532 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Instrument : MSVOA_L
ClientSampleId : CVS-4

Tgt Ion: 57 Resp: 741308

Ion	Ratio	Lower	Upper
57	100		
41	77.9	58.9	88.3
43	82.3	150.2	225.2#
56	56.5	42.4	63.6

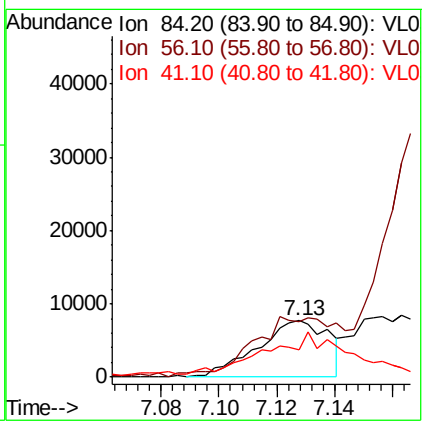


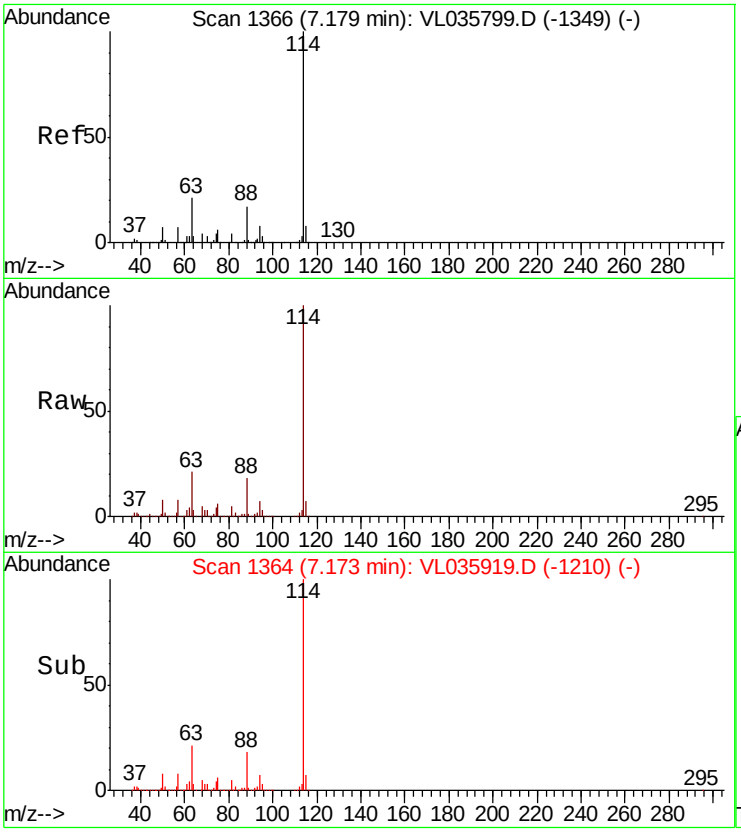


#30
Cyclohexane
Concen: 0.090 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Tgt Ion: 84 Resp: 13125

Ion	Ratio	Lower	Upper
84	100		
56	0.0	86.4	129.6#
41	91.3	42.1	63.1#



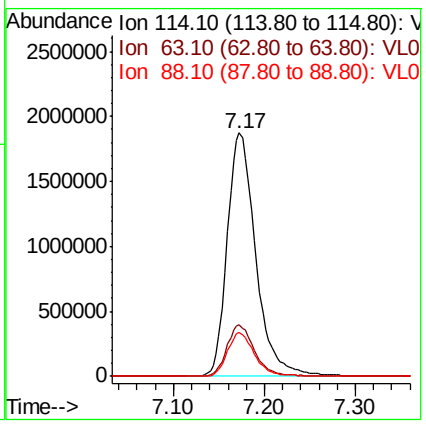


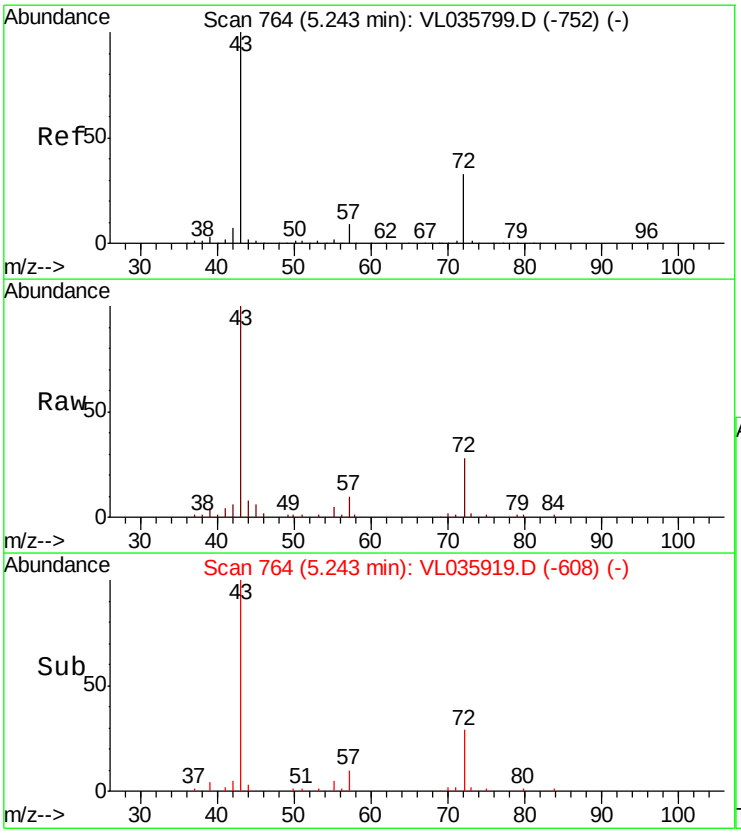
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Instrument : MSVOA_L
ClientSampleId : CVS-4

Tgt Ion:114 Resp: 4083588

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

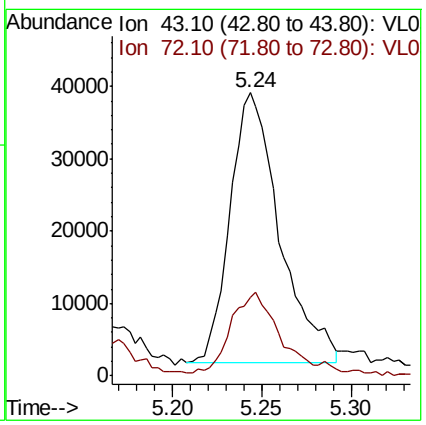


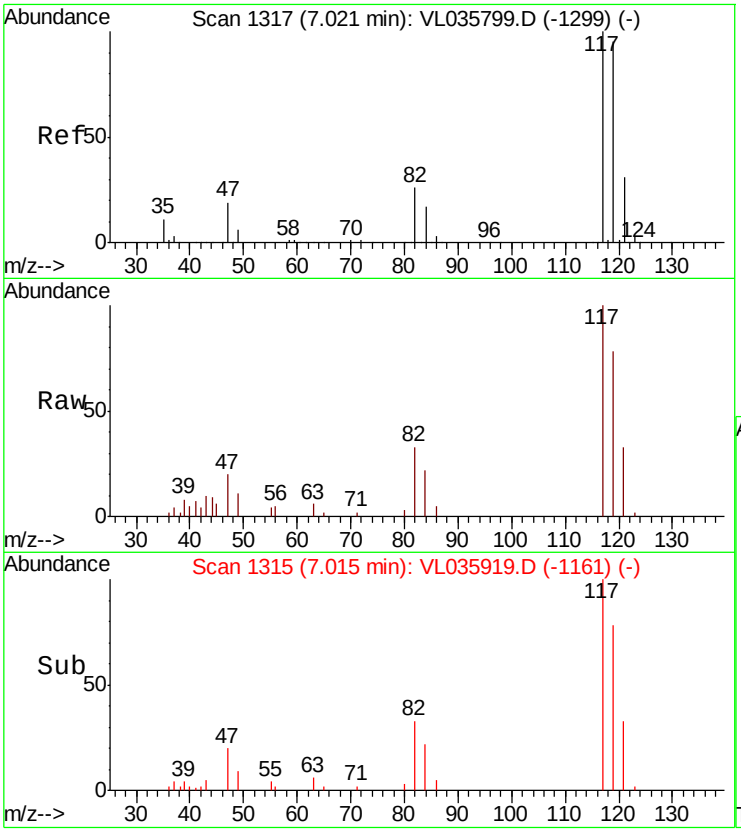


#34
2-Butanone
Concen: 0.541 ppbv
RT: 5.24 min Scan# 764
Delta R.T. 0.00 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Tgt Ion: 43 Resp: 71711

Ion	Ratio	Lower	Upper
43	100		
72	33.3	26.5	39.7



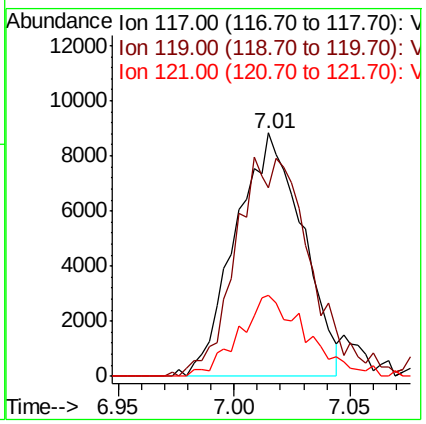


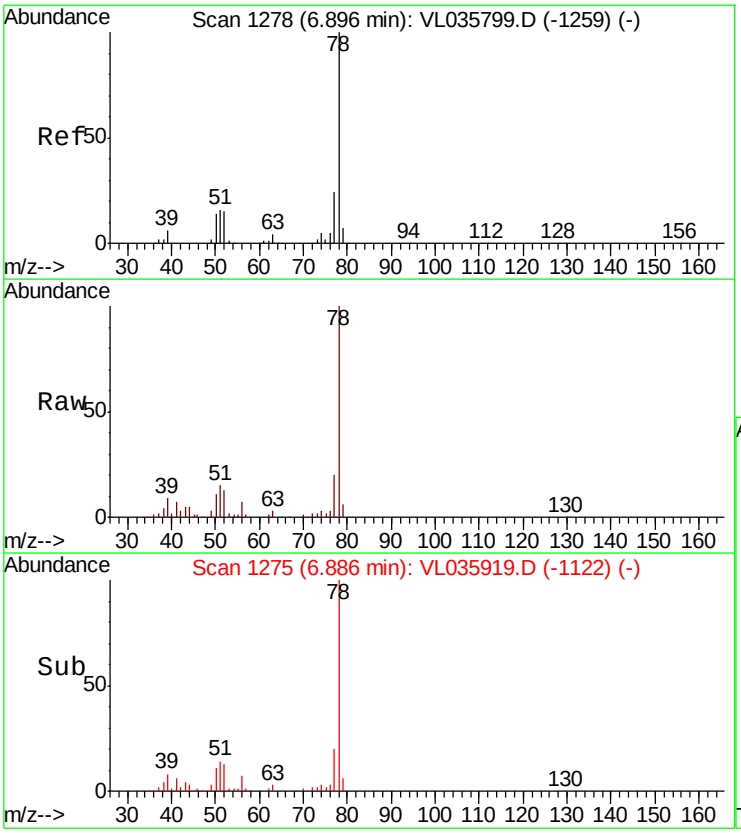
#35
Carbon Tetrachloride
Concen: 0.081 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Instrument : MSVOA_L
ClientSampleId : CVS-4

Tgt Ion:117 Resp: 17751

Ion	Ratio	Lower	Upper
117	100		
119	74.4	75.6	113.4#
121	33.4	25.1	37.7

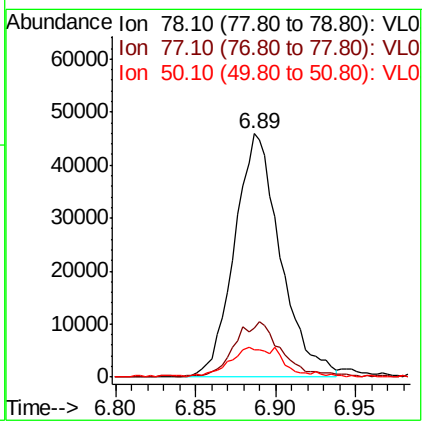


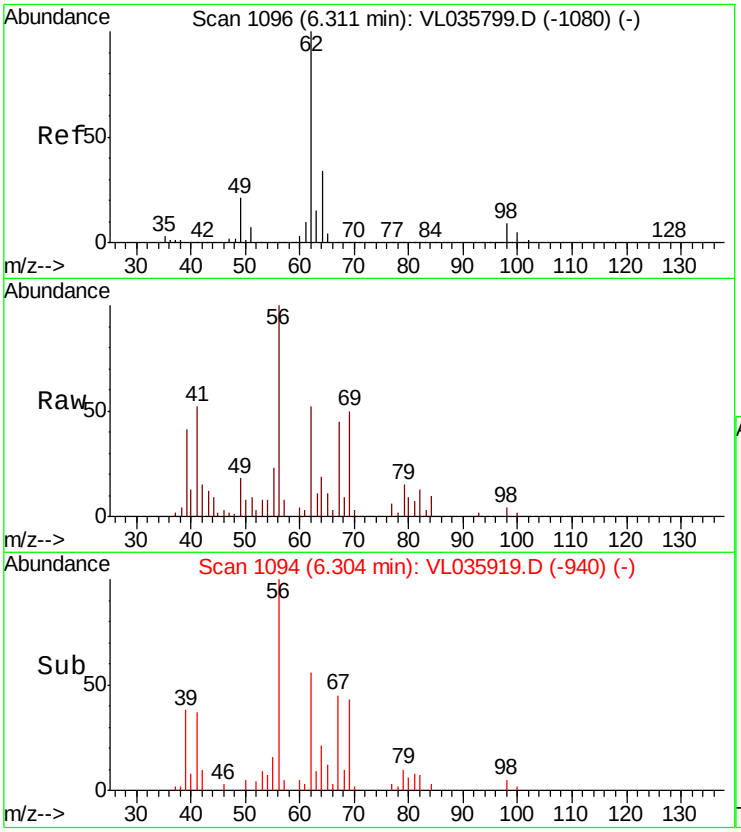


#36
Benzene
Concen: 0.298 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Tgt Ion: 78 Resp: 90332

Ion	Ratio	Lower	Upper
78	100		
77	19.5	19.3	28.9
50	11.0	11.4	17.2#



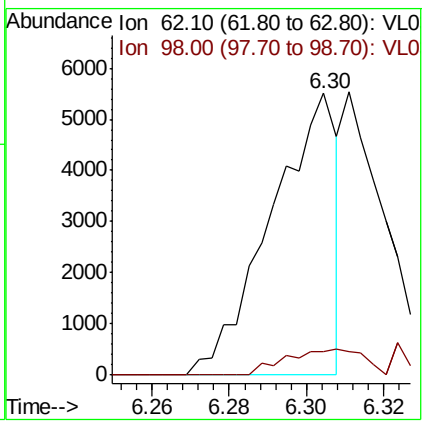


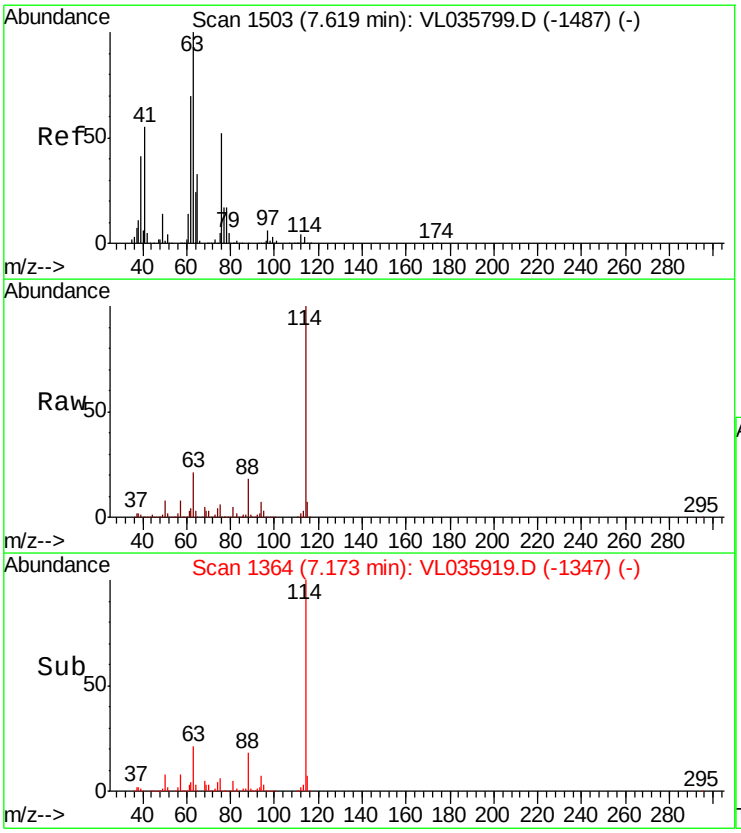
#37
1,2-Dichloroethane
Concen: 0.047 ppbv
RT: 6.30 min Scan# 1094
Delta R.T. -0.01 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Instrument :
MSVOA_L
ClientSampleId :
CVS-4

Tgt Ion: 62 Resp: 6520

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.9	10.3#

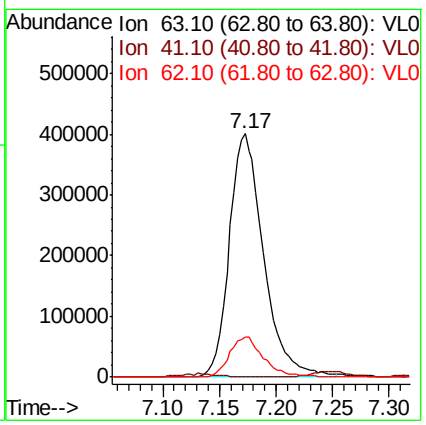


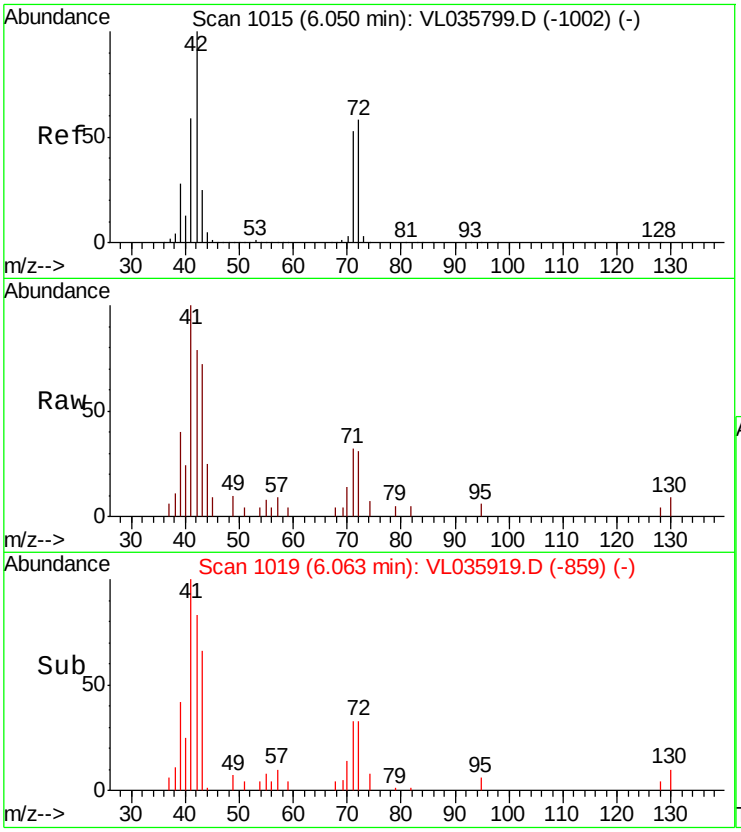


#39
1,2-Dichloropropane
Concen: 8.239 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.45 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Tgt Ion: 63 Resp: 842105

Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	16.4	56.2	84.2#



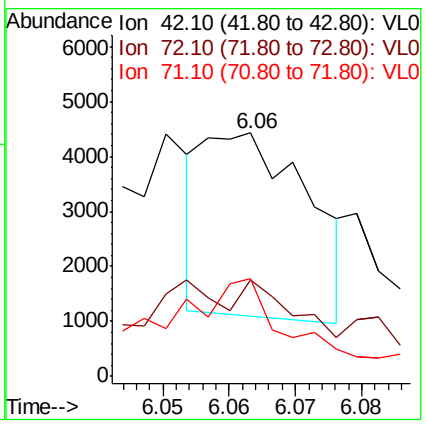


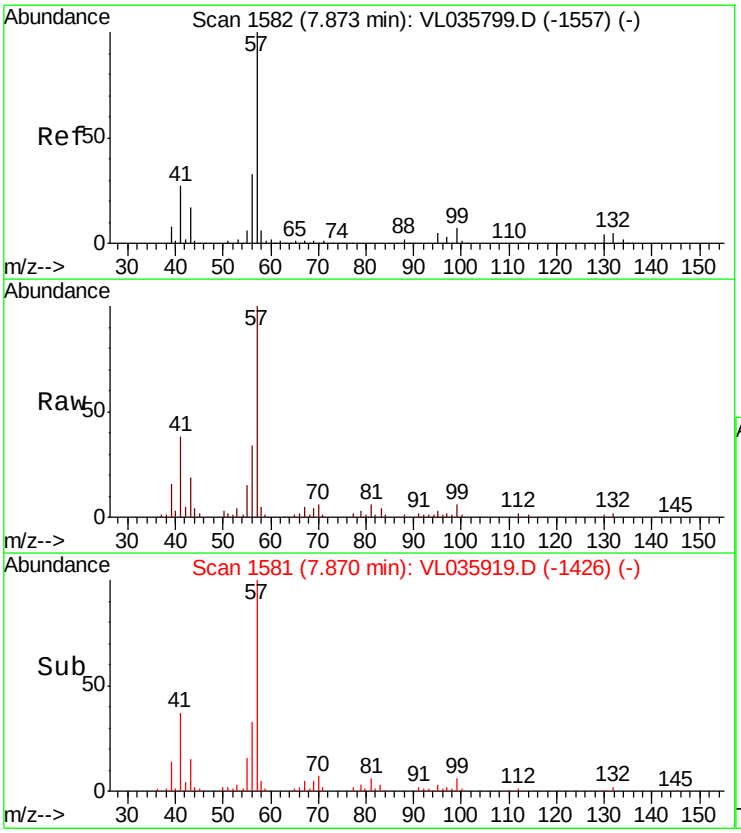
#41
Tetrahydrofuran
Concen: 0.049 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Instrument : MSVOA_L
ClientSampleId : CVS-4

Tgt Ion: 42 Resp: 3670

Ion	Ratio	Lower	Upper
42	100		
72	120.8	45.4	68.0#
71	76.1	43.4	65.2#

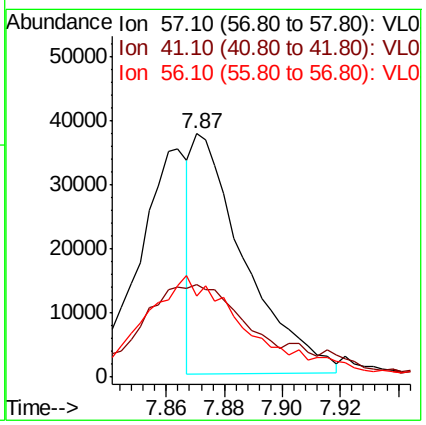


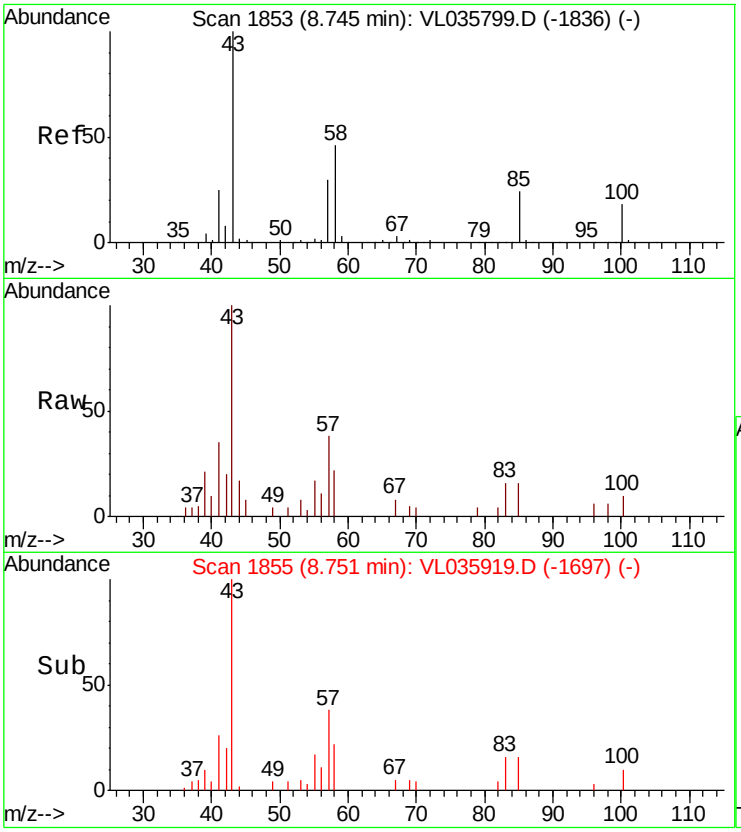


#44
2,2,4-Trimethylpentane
Concen: 0.116 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Tgt Ion: 57 Resp: 46786

Ion	Ratio	Lower	Upper
57	100		
41	95.5	21.0	31.4#
56	88.2	25.4	38.0#



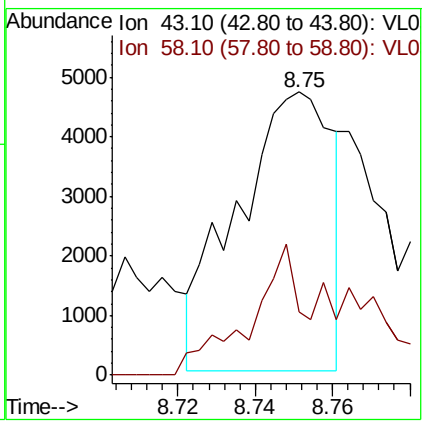


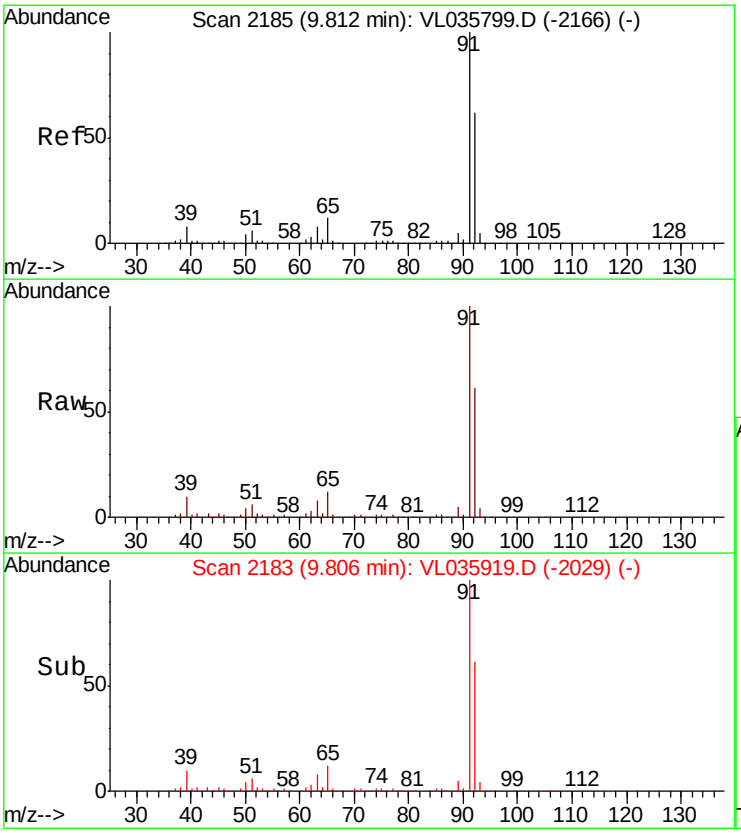
#50
4-Methyl-2-Pentanone
Concen: 0.039 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Instrument : MSVOA_L
ClientSampleId : CVS-4

Tgt Ion: 43 Resp: 7985

Ion	Ratio	Lower	Upper
43	100		
58	53.4	36.0	54.0

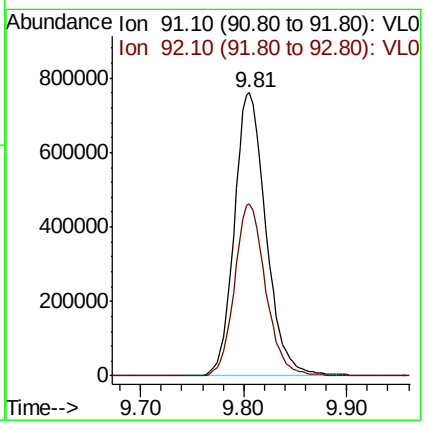


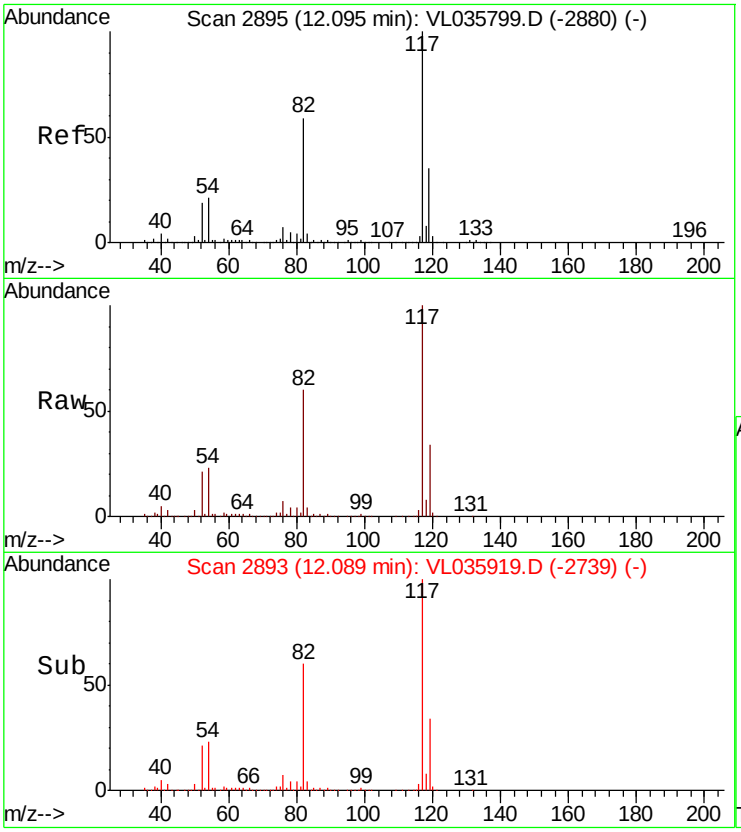


#53
Toluene
Concen: 4.435 ppbv
RT: 9.81 min Scan# 2183
Delta R.T. -0.01 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Tgt Ion: 91 Resp: 1624692

Ion	Ratio	Lower	Upper
91	100		
92	60.3	49.8	74.6



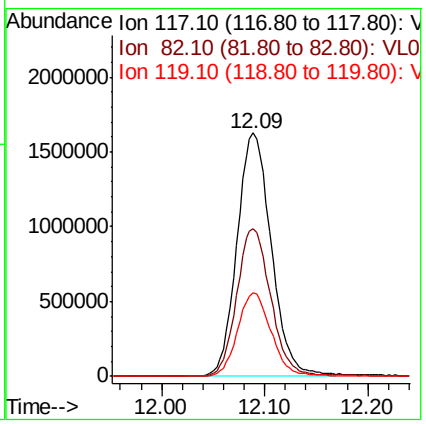


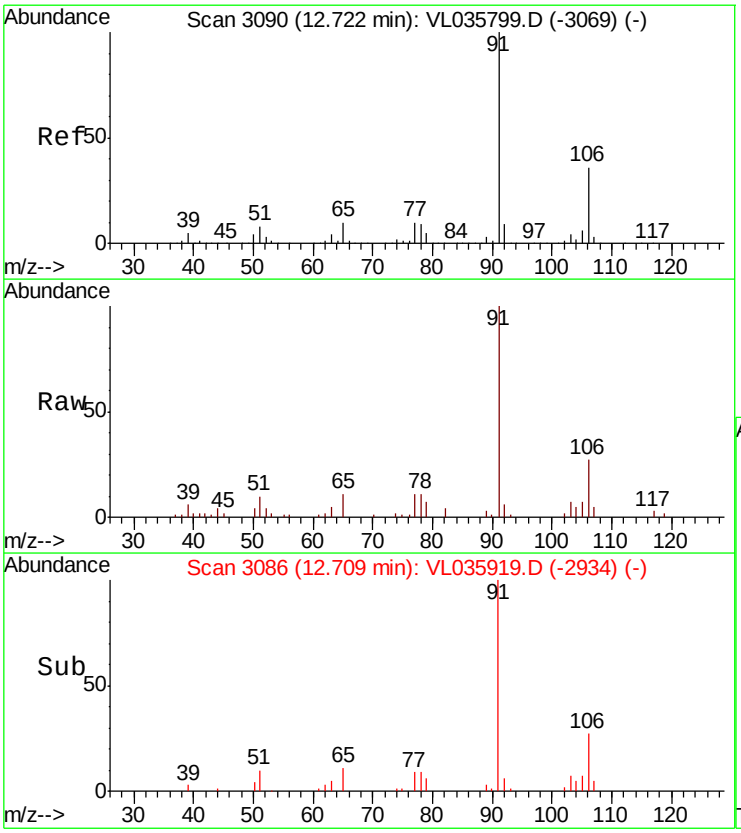
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Instrument : MSVOA_L
ClientSampleId : CVS-4

Tgt Ion:117 Resp: 3766555

Ion	Ratio	Lower	Upper
117	100		
82	61.2	50.6	76.0
119	34.0	52.6	78.8#

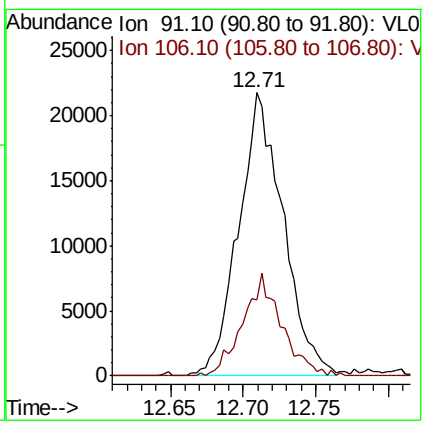


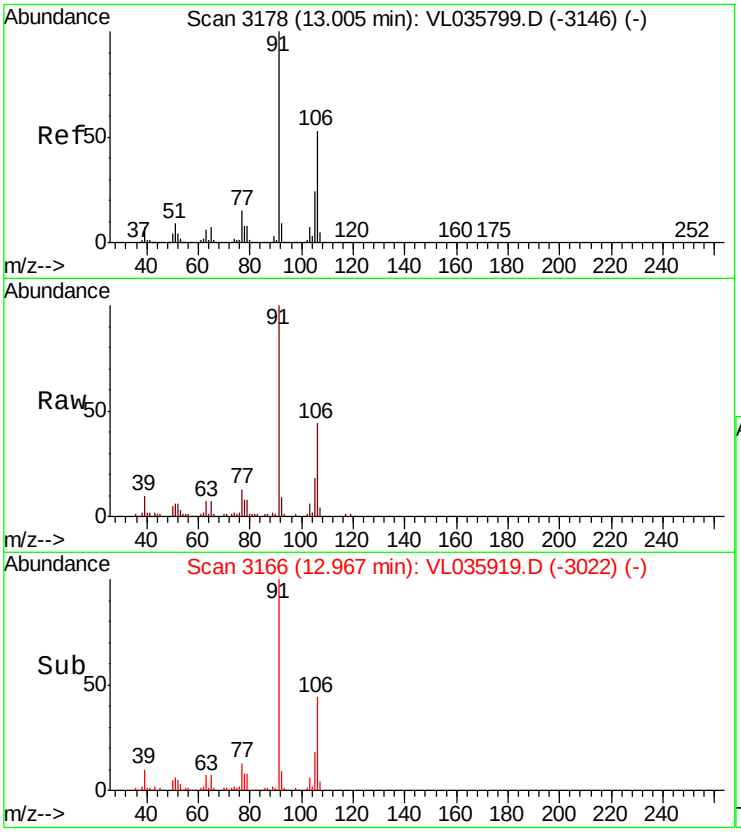


#58
Ethyl Benzene
Concen: 0.101 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Tgt Ion: 91 Resp: 46352

Ion	Ratio	Lower	Upper
91	100		
106	26.7	28.6	43.0#



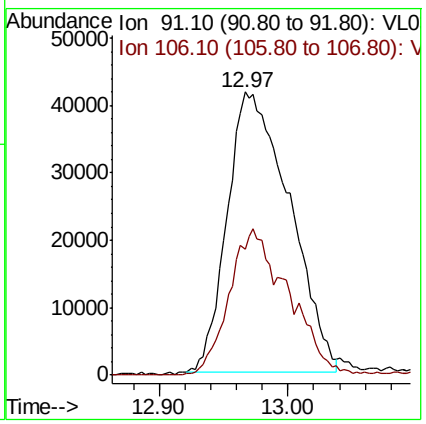


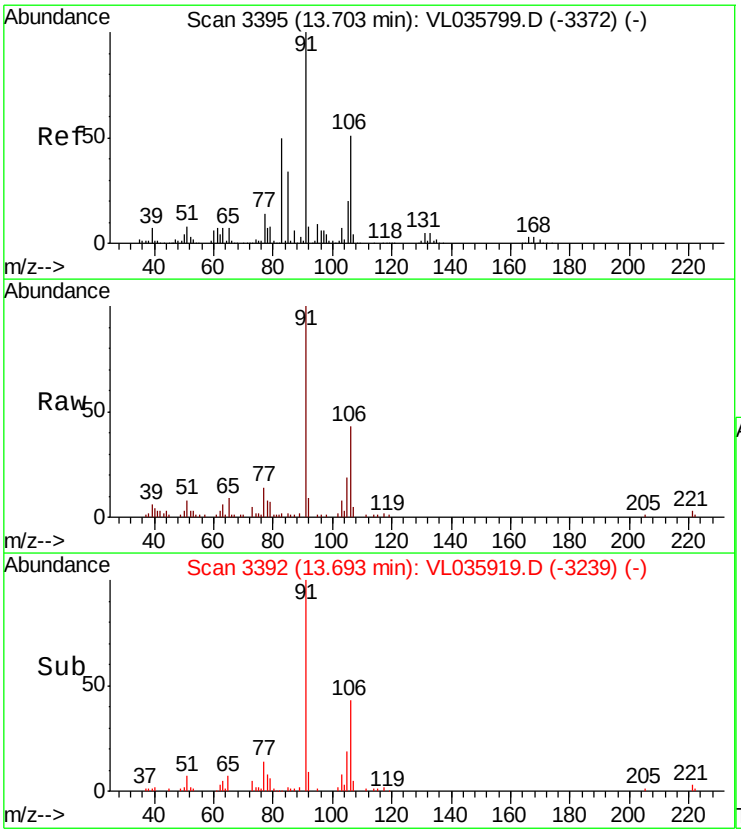
#59
m/p-Xylene
Concen: 0.360 ppbv
RT: 12.97 min Scan# 3166
Delta R.T. -0.04 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Instrument :
MSVOA_L
ClientSampleId :
CVS-4

Tgt Ion: 91 Resp: 139663

Ion	Ratio	Lower	Upper
91	100		
106	49.5	39.5	59.3

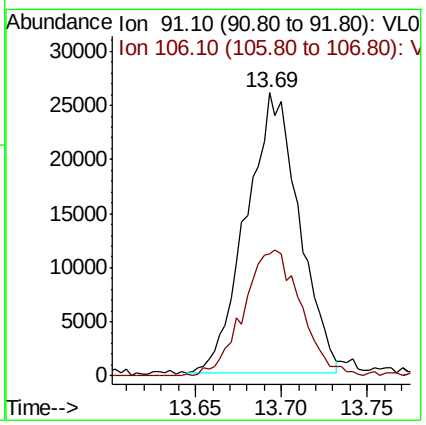


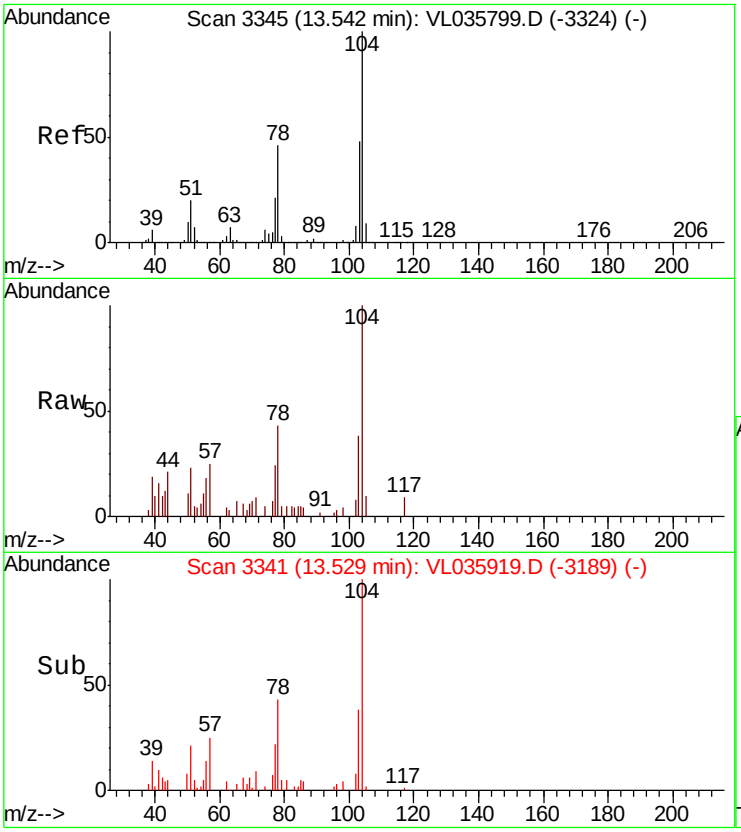


#60
o-Xylene
Concen: 0.147 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Tgt Ion: 91 Resp: 55409

Ion	Ratio	Lower	Upper
91	100		
106	49.2	24.8	74.4



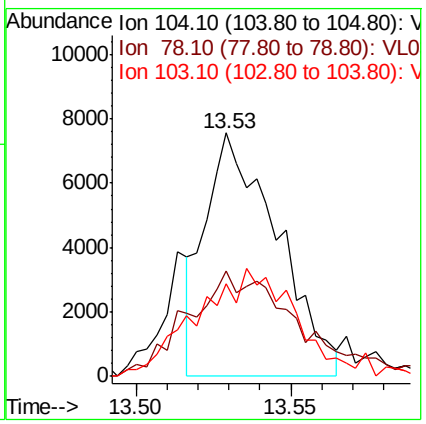


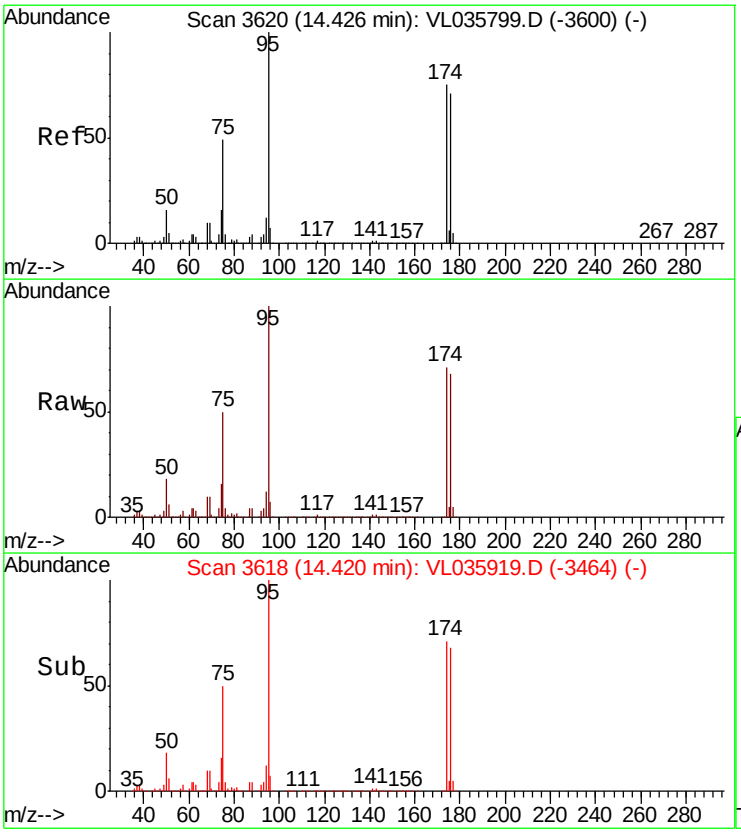
#61
Stvrene
Concen: 0.044 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Instrument :
MSVOA_L
ClientSampleId :
CVS-4

Tgt Ion:104 Resp: 12251

Ion	Ratio	Lower	Upper
104	100		
78	67.9	37.1	55.7#
103	61.5	37.9	56.9#

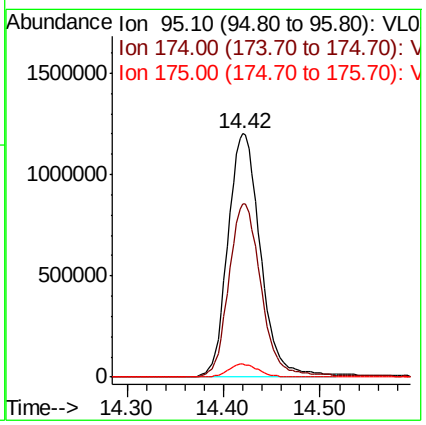


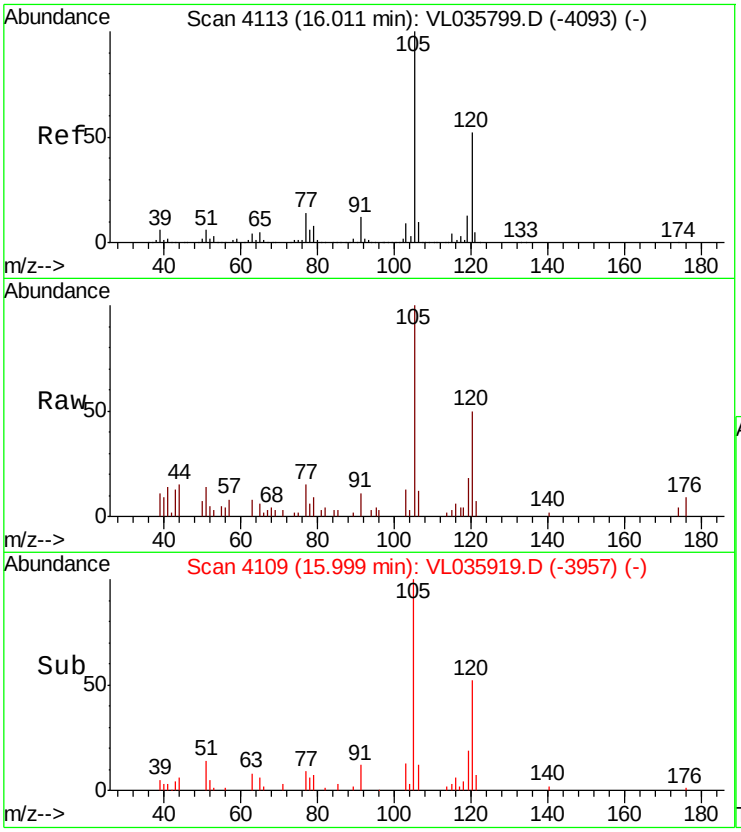


#68
1-Bromo-4-Fluorobenzene
Concen: 10.516 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Tgt Ion: 95 Resp: 2814013

Ion	Ratio	Lower	Upper
95	100		
174	72.1	59.8	89.6
175	5.2	4.3	6.5



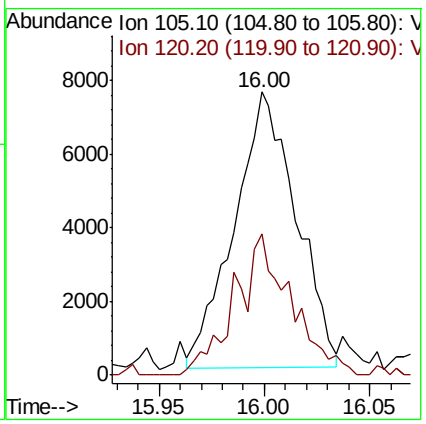


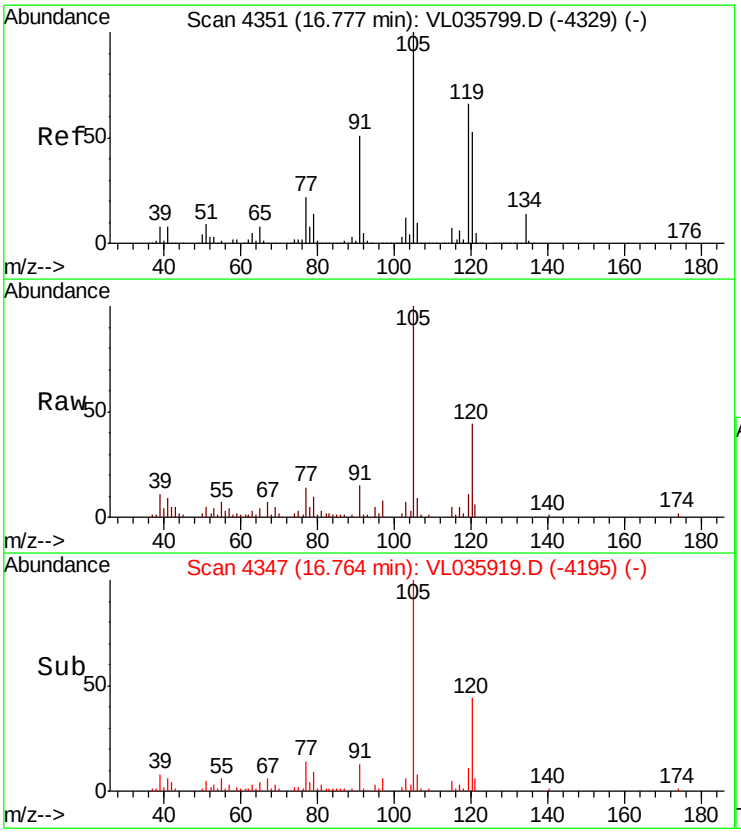
#73
1,3,5-Trimethylbenzene
Concen: 0.036 ppbv
RT: 16.00 min Scan# 4109
Delta R.T. -0.01 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Instrument :
MSVOA_L
ClientSampleId :
CVS-4

Tgt Ion:105 Resp: 15249

Ion	Ratio	Lower	Upper
105	100		
120	50.8	41.4	62.2





#74
1,2,4-Trimethylbenzene
Concen: 0.136 ppbv
RT: 16.76 min Scan# 4347
Delta R.T. -0.01 min
Lab File: VL035919.D
Acq: 12 Nov 2020 18:42

Tgt Ion:105 Resp: 61065

Ion	Ratio	Lower	Upper
105	100		
120	42.7	42.0	63.0
91	13.1	41.0	61.6#
77	12.3	17.3	25.9#