Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110420\
Data File : VL035838.D
Acq On : 4 Nov 2020 18:10
Operator : SY/AP
Sample : L4610-05 2X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Nov 05 02:56:46 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	1020398	10.00	ppbv		-0.03
33) 1,4-Difluorobenzene	7.14	114	4607203	10.00	ppbv		-0.04
55) Chlorobenzene-d5	12.05	117	4198308	10.00	ppbv		-0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.38	95	2966703	9.95	ppbv		-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.02	85	31172	0.162	ppbv		93
3) Chlorodifluoromethane	2.96	51	24637	0.202	ppbv	#	85
4) Chloromethane	3.11	50	6382	0.108	ppbv	#	88
7) Chloroethane	3.53	64	1224	0.046	ppbv		90
9) Propene	2.99	41	565248	12.638	ppbv		84
10) Heptane	8.09	43	30240	0.245	ppbv		94
11) Trichlorofluoromethane	3.92	101	24897	0.103	ppbv		83
13) Ethanol	3.59	45	19601	2.020	ppbv	#	59
15) Acetone	3.82	43	2199191	20.159	ppbv		98
16) 1,3-Butadiene	3.29	39	272130	5.794	ppbv	#	13
17) tert-Butyl alcohol	4.29	59	22627	0.157	ppbv	#	72
19) Isopropyl Alcohol	3.96	45	8623	0.129	ppbv	#	90
20) Methylene Chloride	4.32	84	208326	2.713	ppbv		96
21) Allyl Chloride	4.28	41	5184	0.088	ppbv	#	1
23) Vinyl Acetate	5.03	43	6682	0.044	ppbv	#	51
25) Ethyl Acetate	5.66	43	98847	0.460	ppbv	#	74
26) Hexane	5.66	57	188532	1.591	ppbv	#	44
27) Carbon Disulfide	4.52	76	8851	0.050	ppbv	#	80
29) Chloroform	5.72	83	44031	0.189	ppbv		96
34) 2-Butanone	5.22	43	63052	0.422	ppbv	#	83
36) Benzene	6.86	78	91826	0.268	ppbv		92
39) 1,2-Dichloropropane	7.14	63	828515	7.185	ppbv	#	30
52) Tetrachloroethene	11.19	164	180117	1.110	ppbv		96
53) Toluene	9.77	91	401463	0.971	ppbv		99
58) Ethyl Benzene	12.68	91	173760	0.340	ppbv		94
59) m/p-Xylene	12.94	91	424222	0.981	ppbv		95
60) o-Xylene	13.66	91	169730	0.403	ppbv		100
61) Styrene	13.50	104	18989	0.062	ppbv	#	87
63) 1,1,2,2-Tetrachloroethane	13.66	83	29023	0.089	ppbv	#	33
64) n-propylbenzene	15.54	120	26044	0.136	ppbv	#	64
69) p-Isopropyltoluene	17.64	119	52095	0.078	ppbv	#	62
70) n-Butylbenzene	18.54	91	149876	0.232	ppbv		95
71) 2-Chlorotoluene	15.54	91	108205	0.224	ppbv	#	42
72) 4-Ethyltoluene	15.81	105	62859	0.123	ppbv	#	91
73) 1,3,5-Trimethylbenzene	15.97	105	18177	0.039	ppbv	#	74
74) 1,2,4-Trimethylbenzene	16.73	105	131800	0.263	ppbv	#	69
80) Naphthalene,2-methyl-	24.98	142	1782	0.031	ppbv	#	84

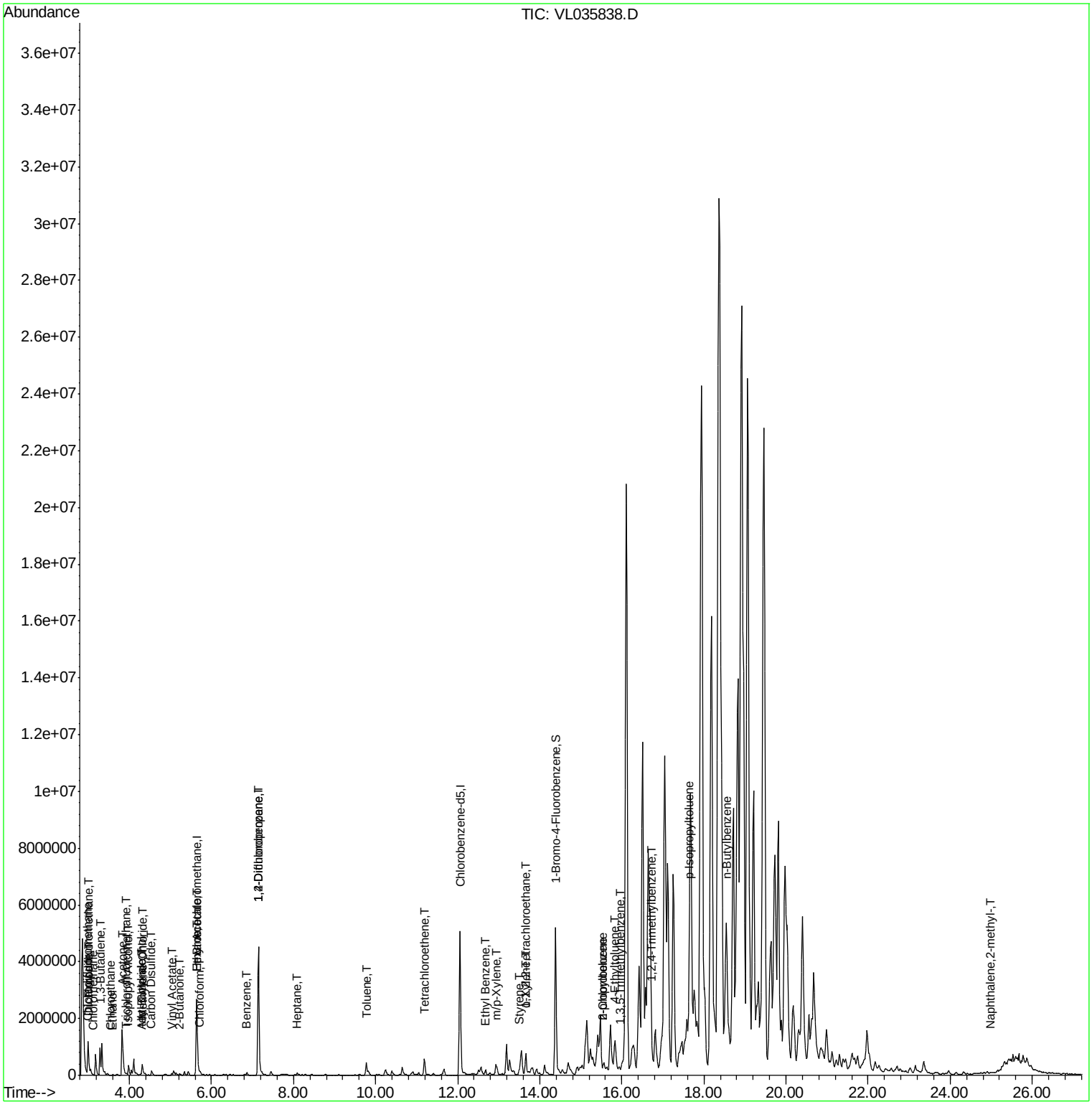
(#) = qualifier out of range (m) = manual integration (+) = signals summed

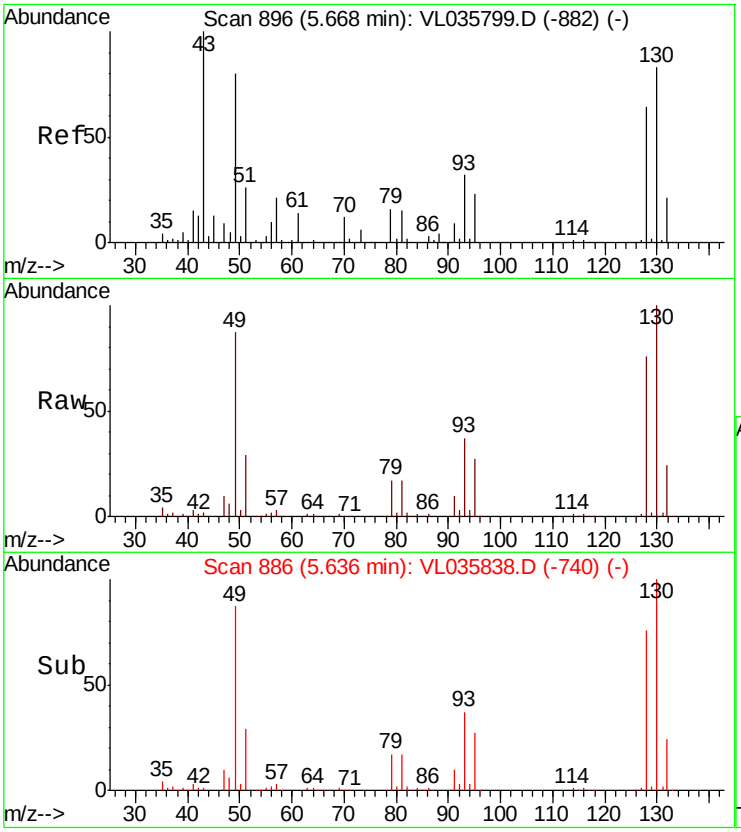
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110420\
Data File : VL035838.D
Acq On : 4 Nov 2020 18:10
Operator : SY/AP
Sample : L4610-05 2X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Nov 05 02:56:46 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

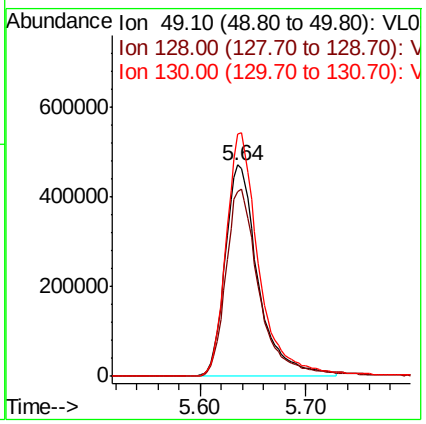




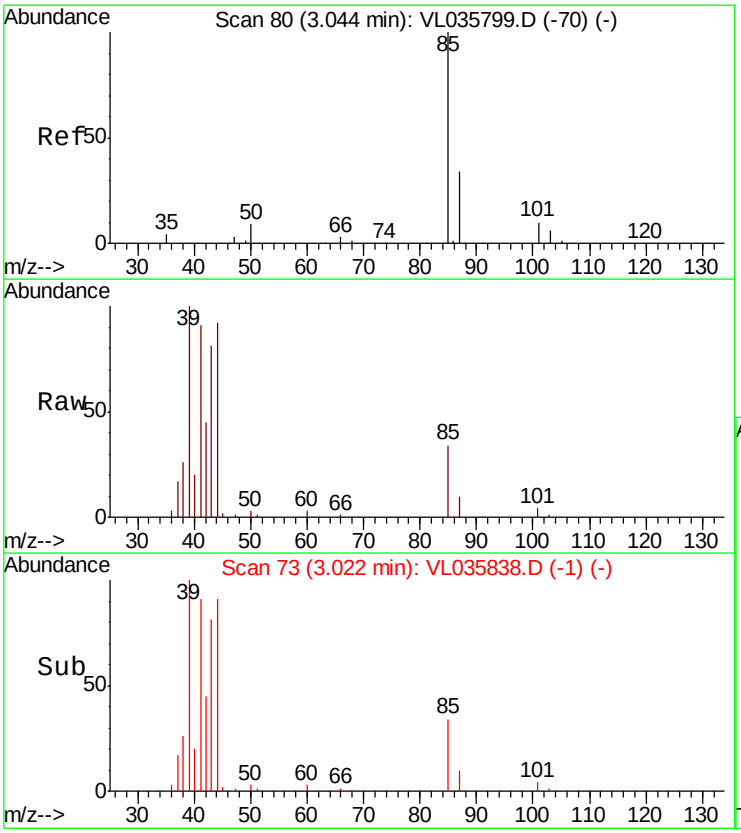
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 886
Delta R.T. -0.03 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Tgt Ion: 49 Resp: 1020398

Ion	Ratio	Lower	Upper
49	100		
128	91.1	41.5	124.6
130	116.1	53.7	161.1



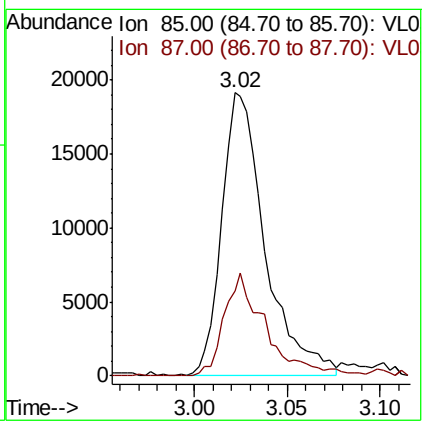
Instrument :
MSVOA_L
ClientSampleId :

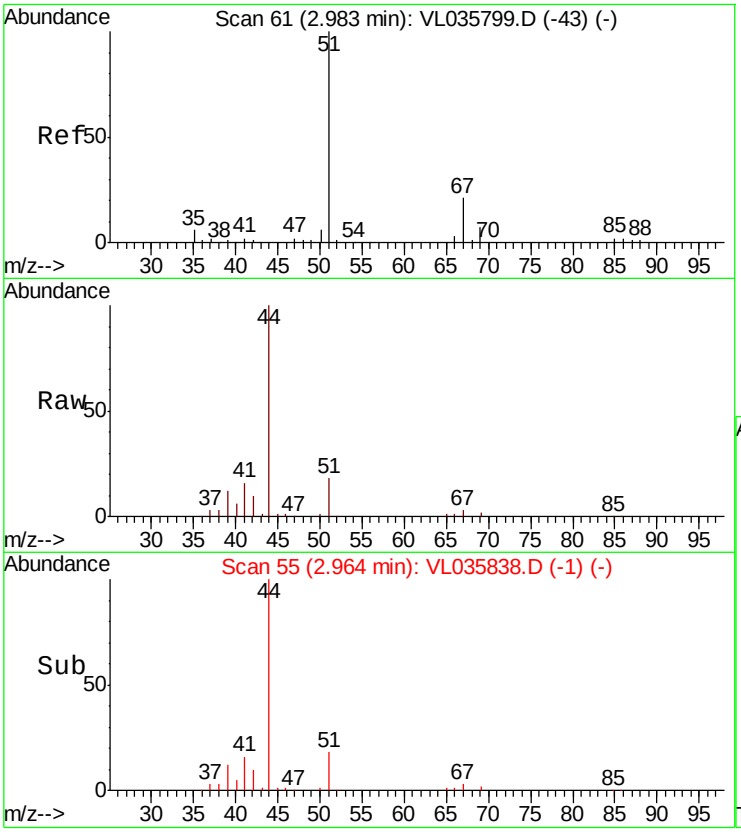


#2
Dichlorodifluoromethane
Concen: 0.162 ppbv
RT: 3.02 min Scan# 73
Delta R.T. -0.02 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Tgt Ion: 85 Resp: 31172

Ion	Ratio	Lower	Upper
85	100		
87	30.0	27.1	40.7



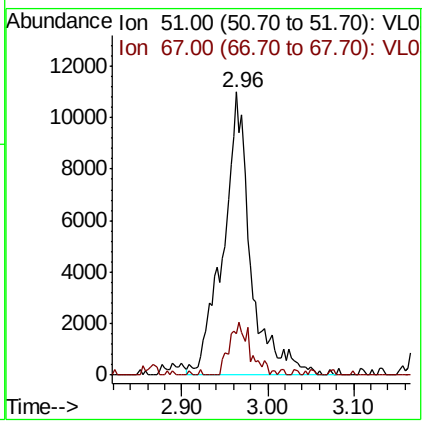


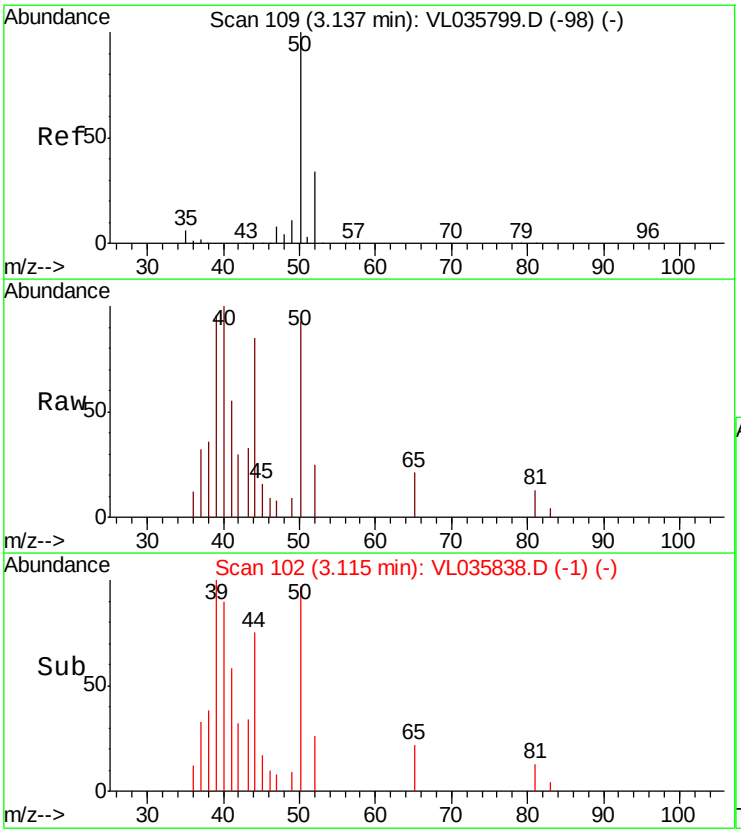
#3
Chlorodifluoromethane
Concen: 0.202 ppbv
RT: 2.96 min Scan# 55
Delta R.T. -0.02 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 24637

Ion	Ratio	Lower	Upper
51	100		
67	14.2	17.0	25.4#

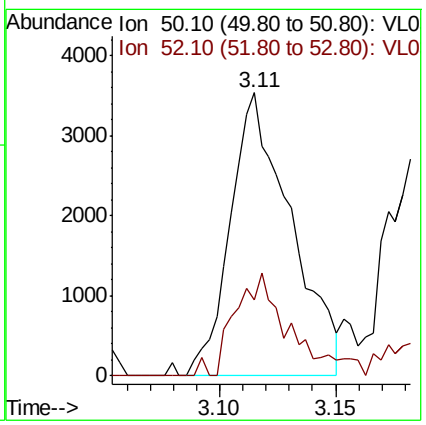


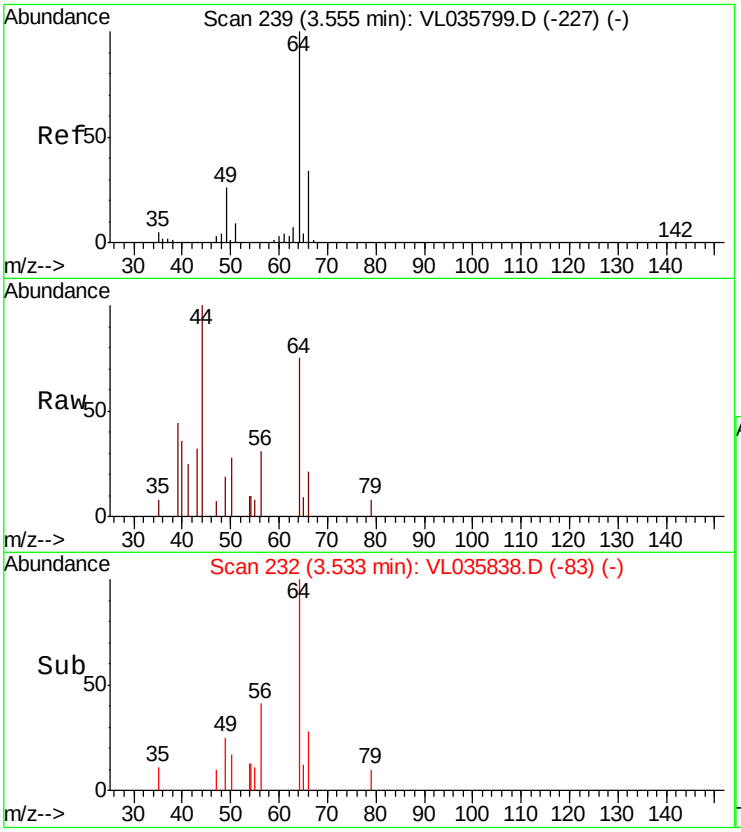


#4
Chloromethane
Concen: 0.108 ppbv
RT: 3.11 min Scan# 102
Delta R.T. -0.02 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Tgt Ion: 50 Resp: 6382

Ion	Ratio	Lower	Upper
50	100		
52	26.8	27.1	40.7#



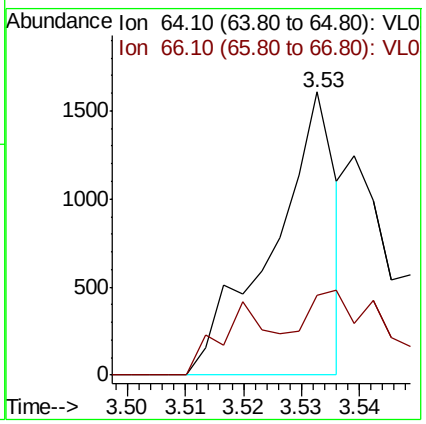


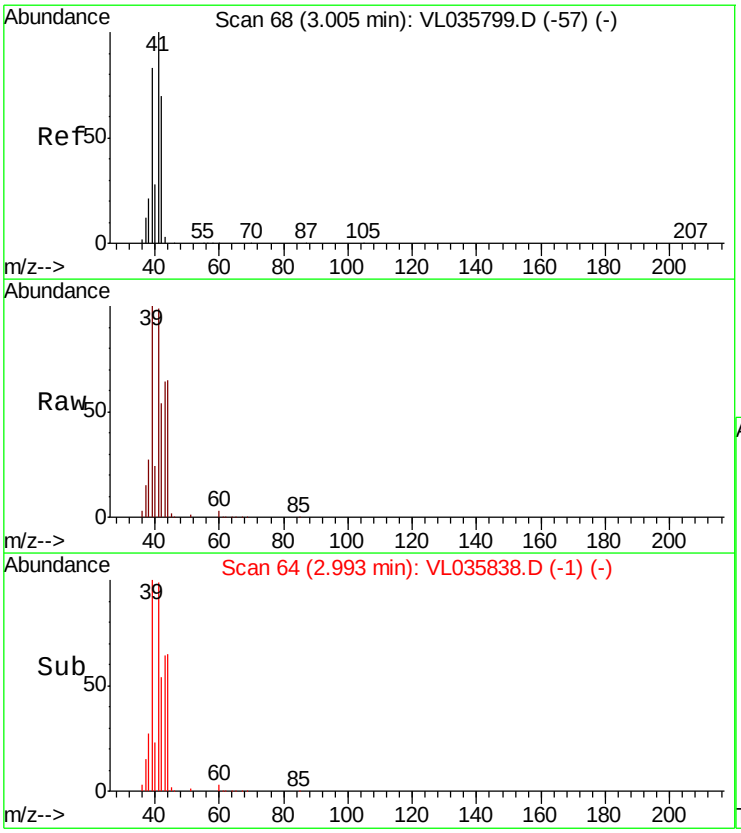
#7
Chloroethane
Concen: 0.046 ppbv
RT: 3.53 min Scan# 232
Delta R.T. -0.02 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 1224

Ion	Ratio	Lower	Upper
64	100		
66	28.3	27.0	40.6

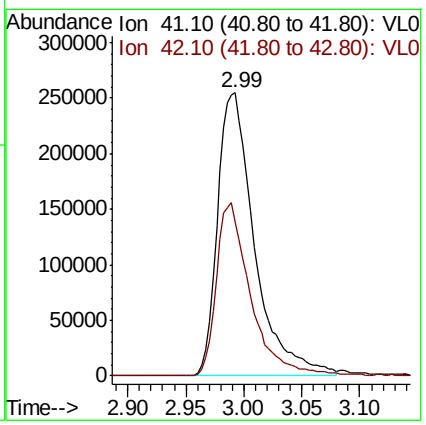


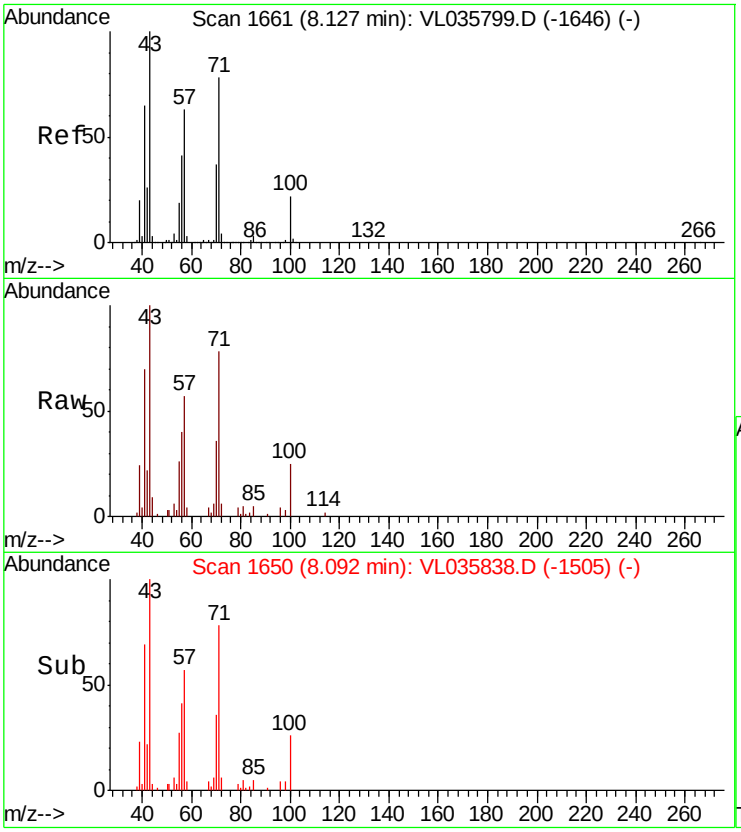


#9
Propene
Concen: 12.638 ppbv
RT: 2.99 min Scan# 64
Delta R.T. -0.01 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Tgt Ion: 41 Resp: 565248

Ion	Ratio	Lower	Upper
41	100		
42	56.9	56.2	84.4



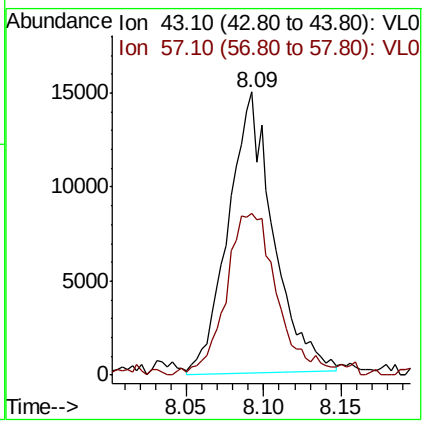


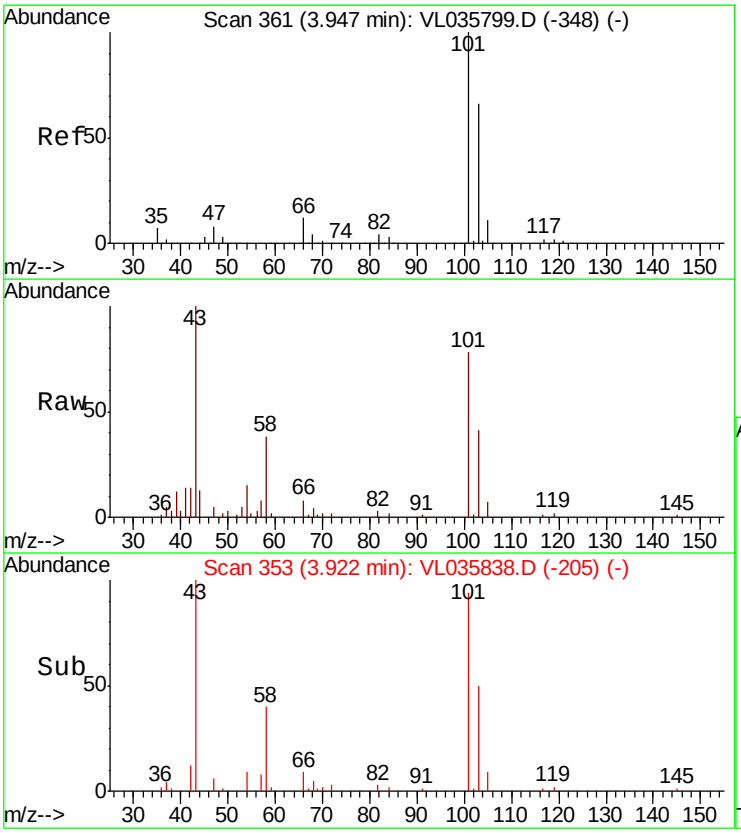
#10
Heptane
Concen: 0.245 ppbv
RT: 8.09 min Scan# 1650
Delta R.T. -0.04 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 30240

Ion	Ratio	Lower	Upper
43	100		
57	67.2	50.0	75.0

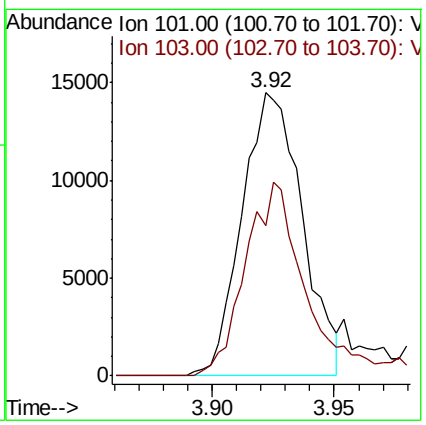


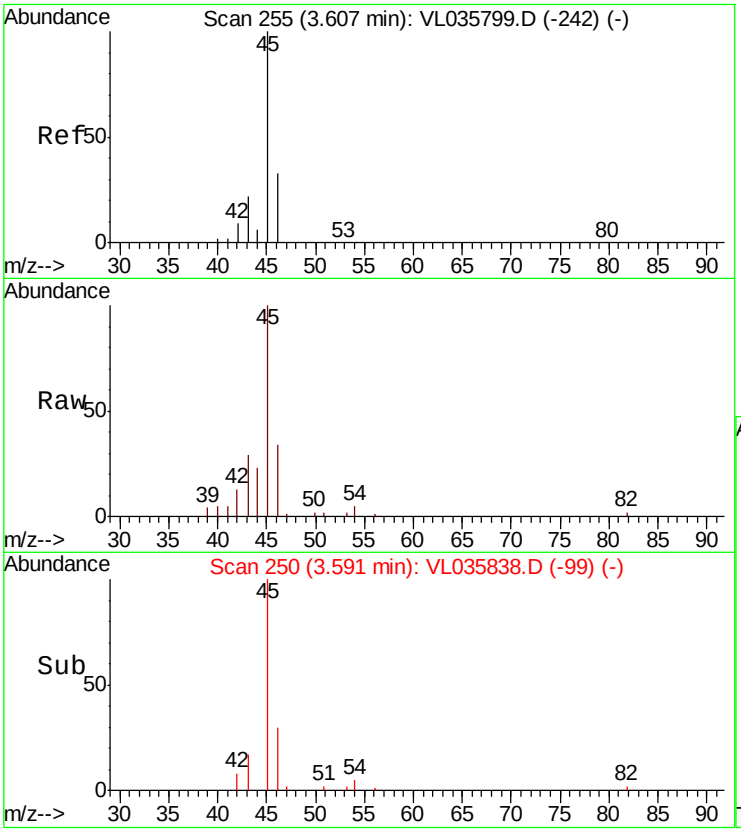


#11
Trichlorofluoromethane
Concen: 0.103 ppbv
RT: 3.92 min Scan# 353
Delta R.T. -0.03 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Tgt Ion:101 Resp: 24897

Ion	Ratio	Lower	Upper
101	100		
103	53.0	53.0	79.4



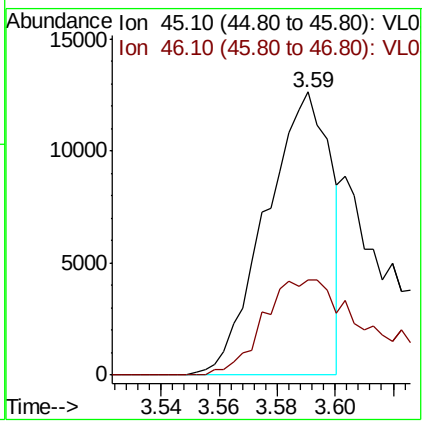


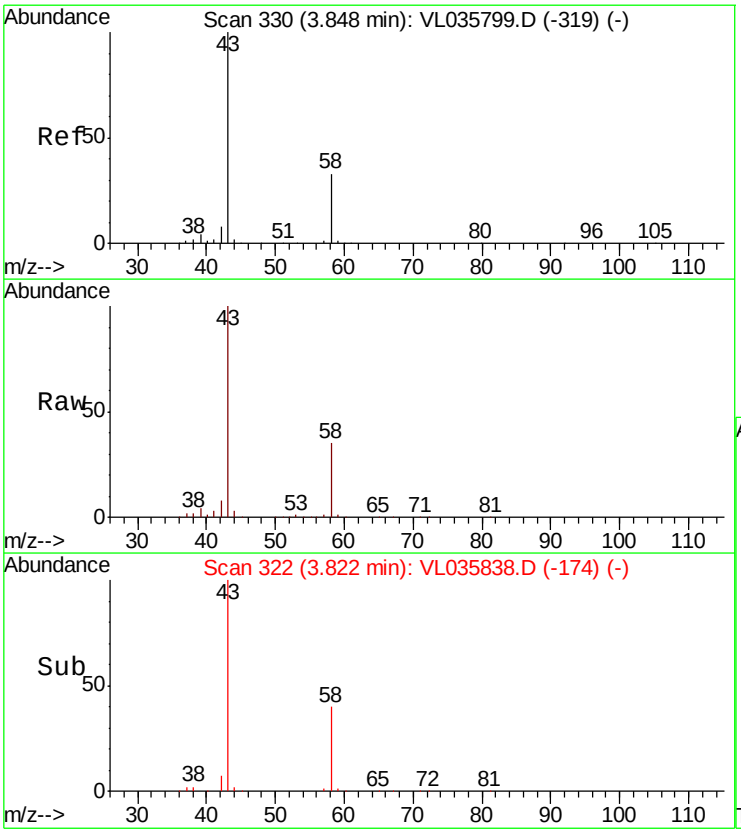
#13
Ethanol
Concen: 2.020 ppbv
RT: 3.59 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 19601

Ion	Ratio	Lower	Upper
45	100		
46	65.9	16.1	64.5#

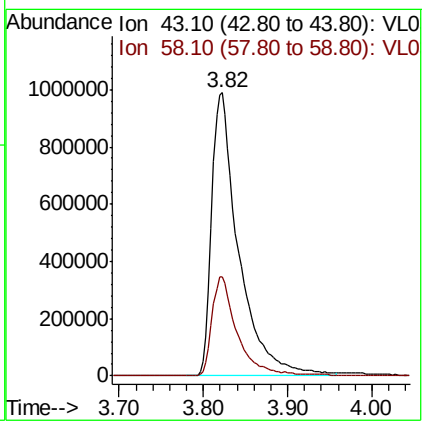


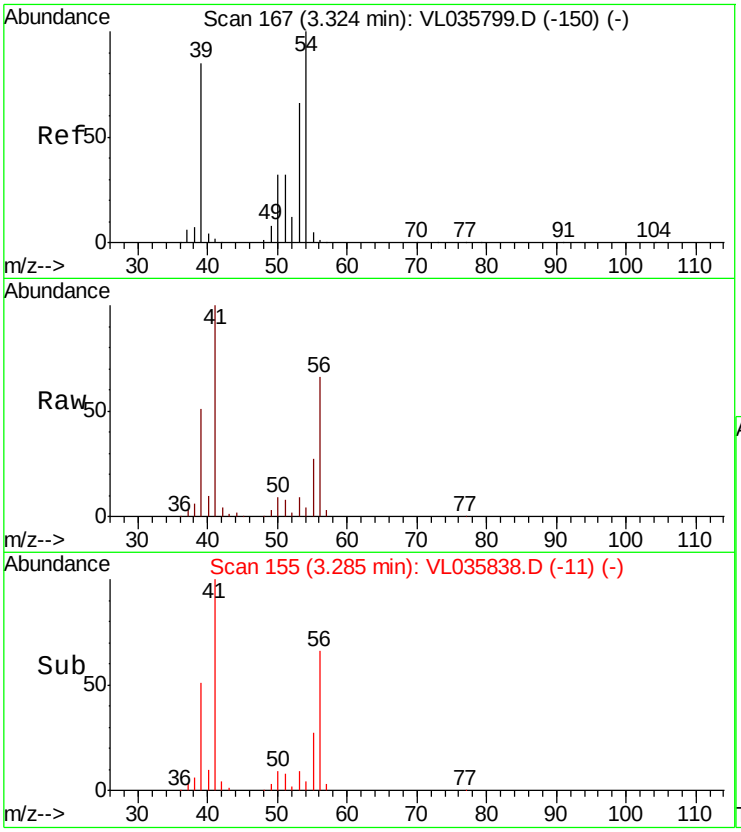


#15
Acetone
Concen: 20.159 ppbv
RT: 3.82 min Scan# 322
Delta R.T. -0.03 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Tgt Ion: 43 Resp: 2199191

Ion	Ratio	Lower	Upper
43	100		
58	33.1	27.5	41.3



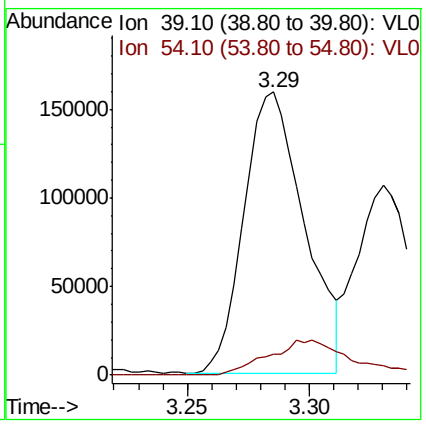


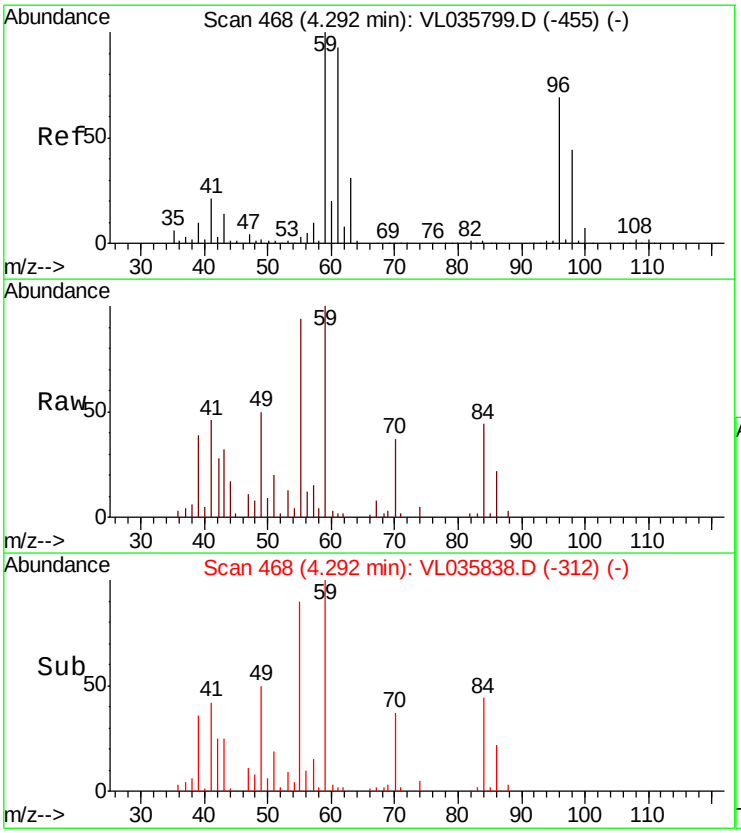
#16
1,3-Butadiene
Concen: 5.794 ppbv
RT: 3.29 min Scan# 155
Delta R.T. -0.04 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 272130

Ion	Ratio	Lower	Upper
39	100		
54	17.8	87.1	130.7#

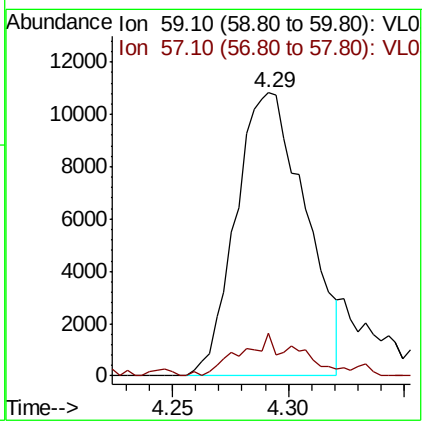


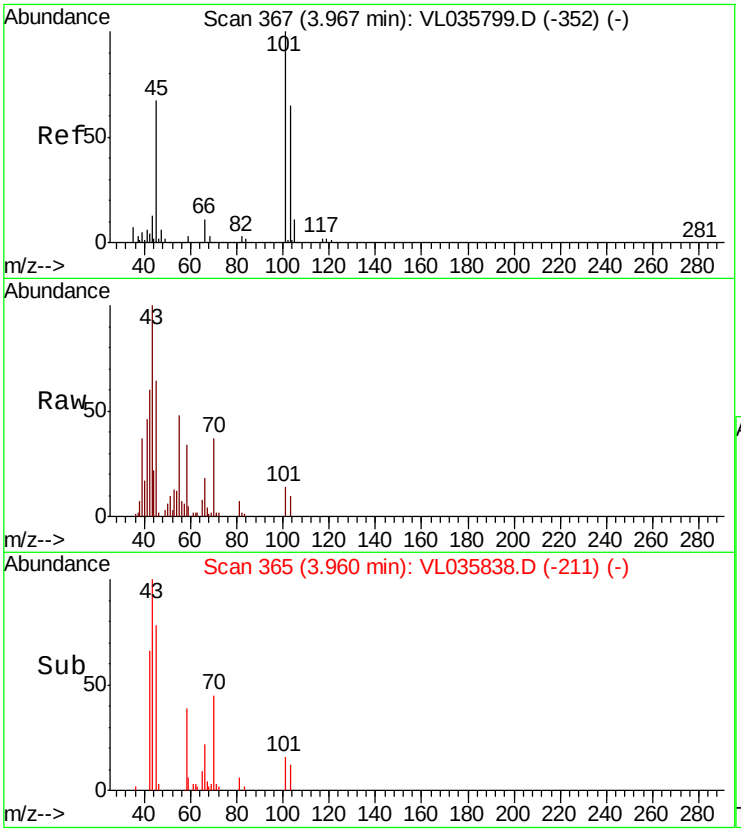


#17
tert-Butyl alcohol
Concen: 0.157 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.00 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Tgt Ion: 59 Resp: 22627

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#



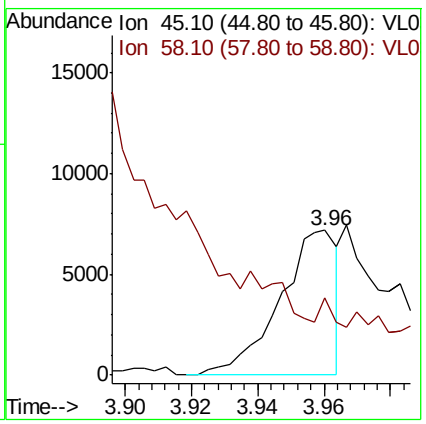


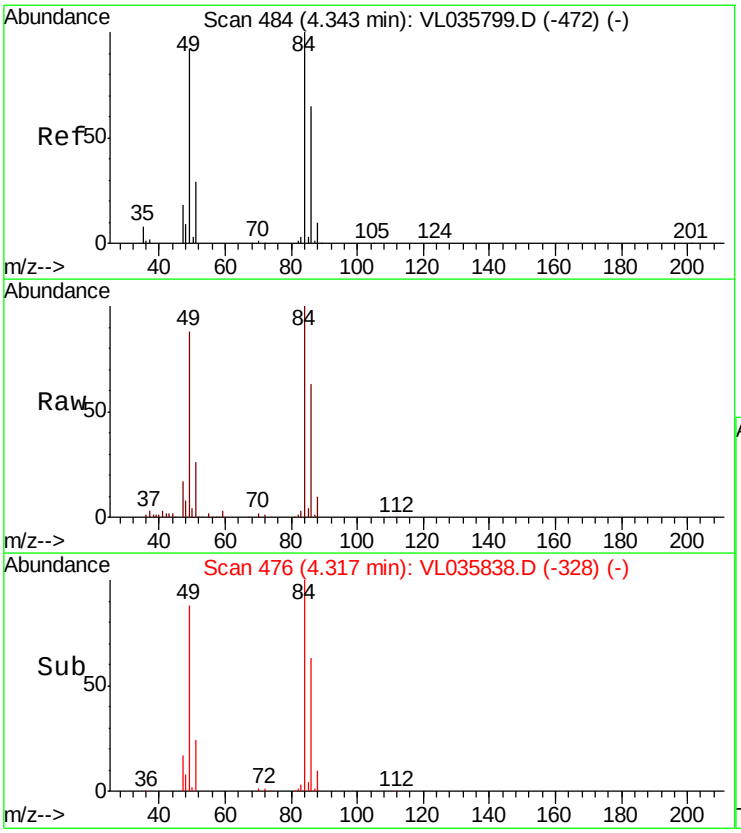
#19
Isopropyl Alcohol
Concen: 0.129 ppbv
RT: 3.96 min Scan# 365
Delta R.T. -0.01 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 8623

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.6	3.8#

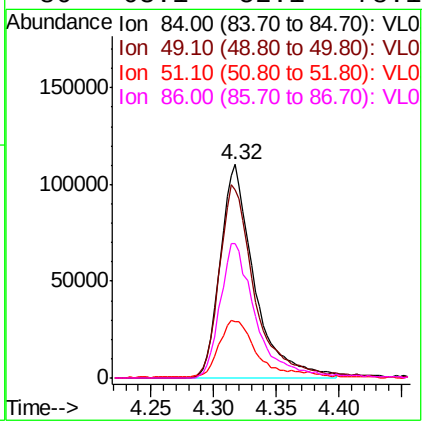


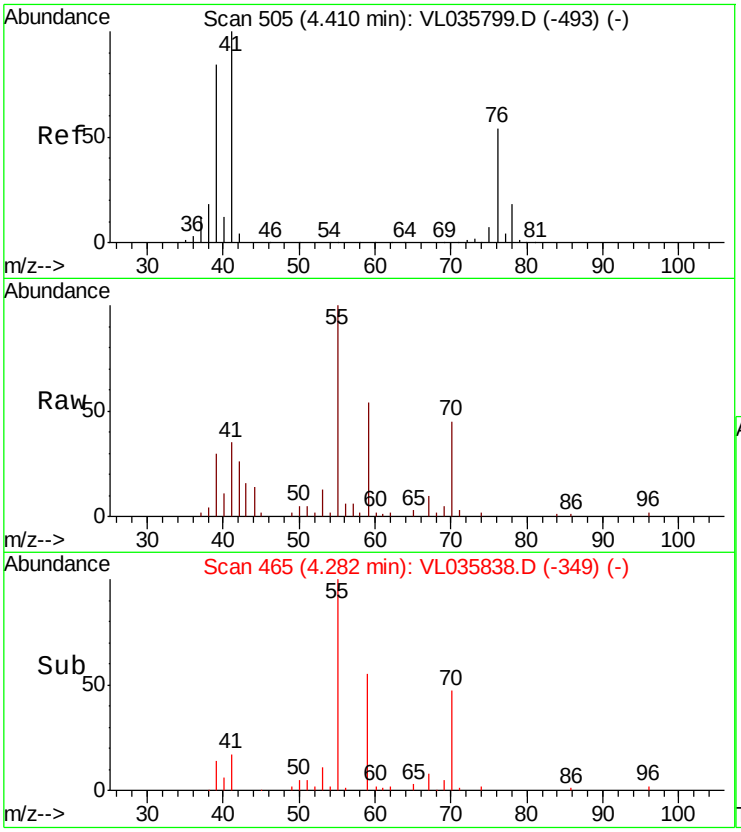


#20
Methylene Chloride
Concen: 2.713 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.03 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Tgt Ion: 84 Resp: 208326

Ion	Ratio	Lower	Upper
84	100		
49	87.6	73.8	110.8
51	25.4	23.0	34.4
86	63.1	52.1	78.1



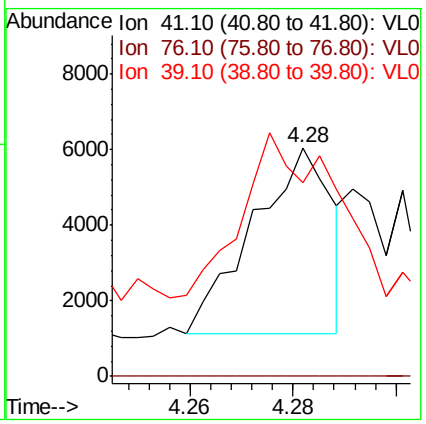


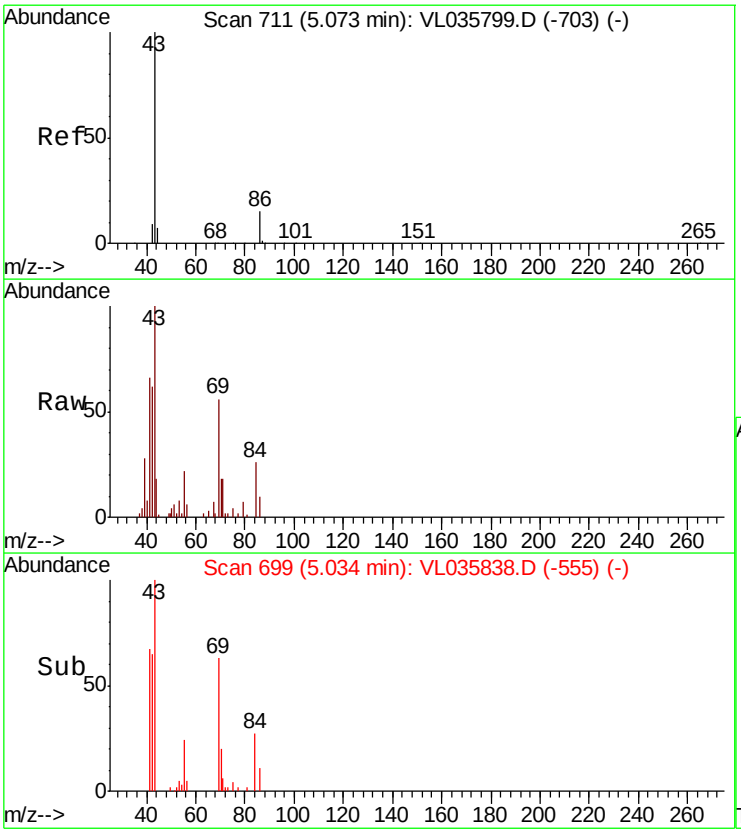
#21
Allvl Chloride
Concen: 0.088 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.13 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 5184

Ion	Ratio	Lower	Upper
41	100		
76	0.0	42.6	63.8#
39	217.0	67.0	100.4#

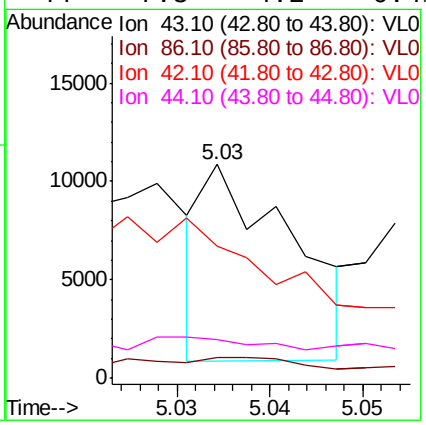


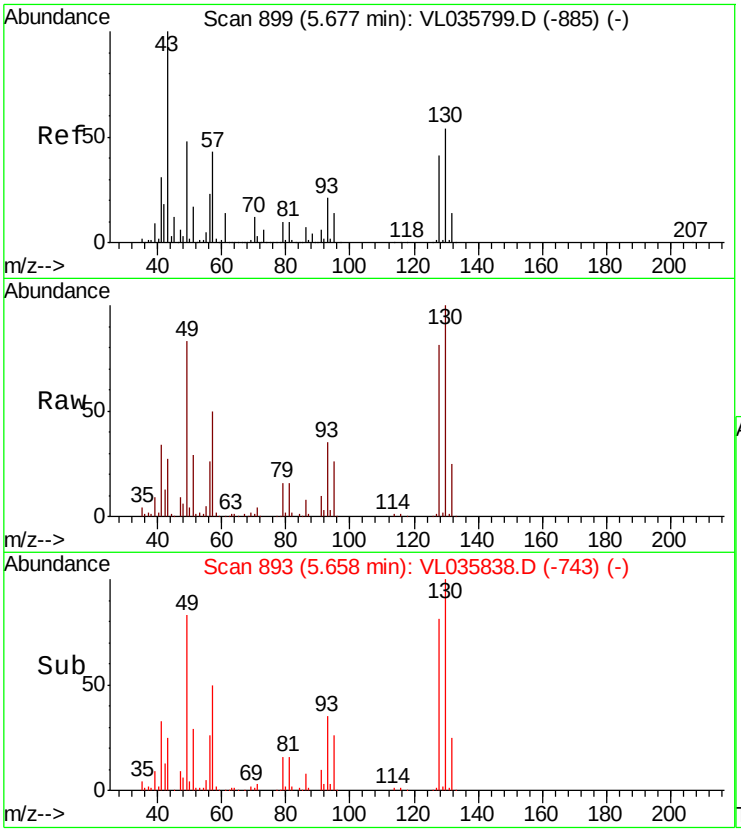


#23
Vinyl Acetate
Concen: 0.044 ppbv
RT: 5.03 min Scan# 699
Delta R.T. -0.04 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Tgt Ion: 43 Resp: 6682

Ion	Ratio	Lower	Upper
43	100		
86	11.7	9.8	14.6
42	58.1	8.1	12.1#
44	7.3	4.2	6.4#



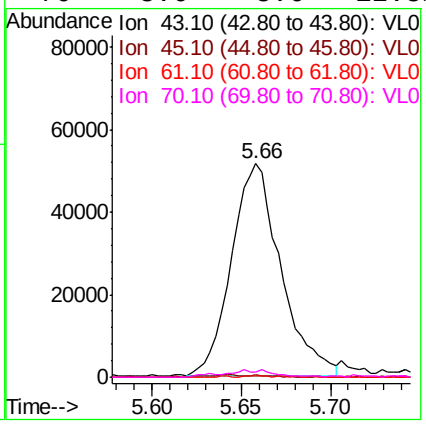


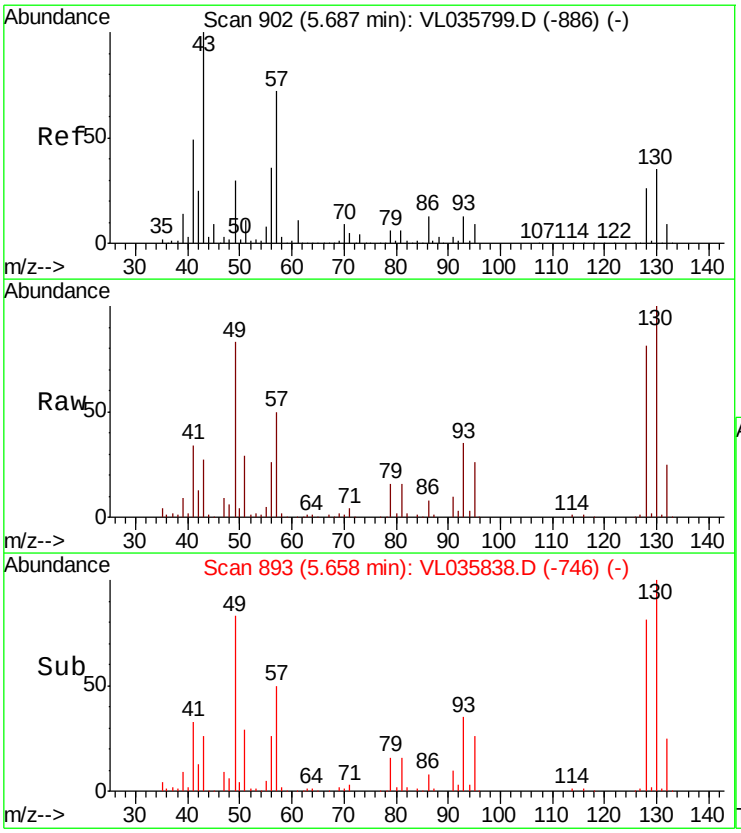
#25
Ethyl Acetate
Concen: 0.460 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 98847

Ion	Ratio	Lower	Upper
43	100		
45	1.2	8.5	12.7#
61	0.5	10.7	16.1#
70	3.6	8.6	12.8#

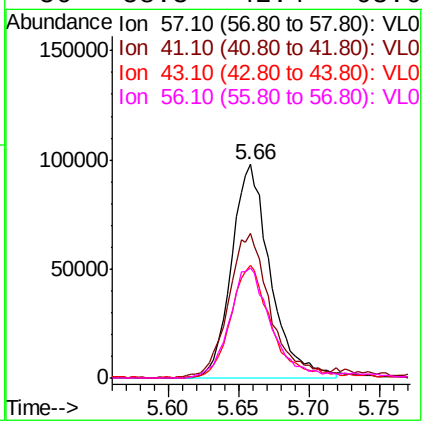


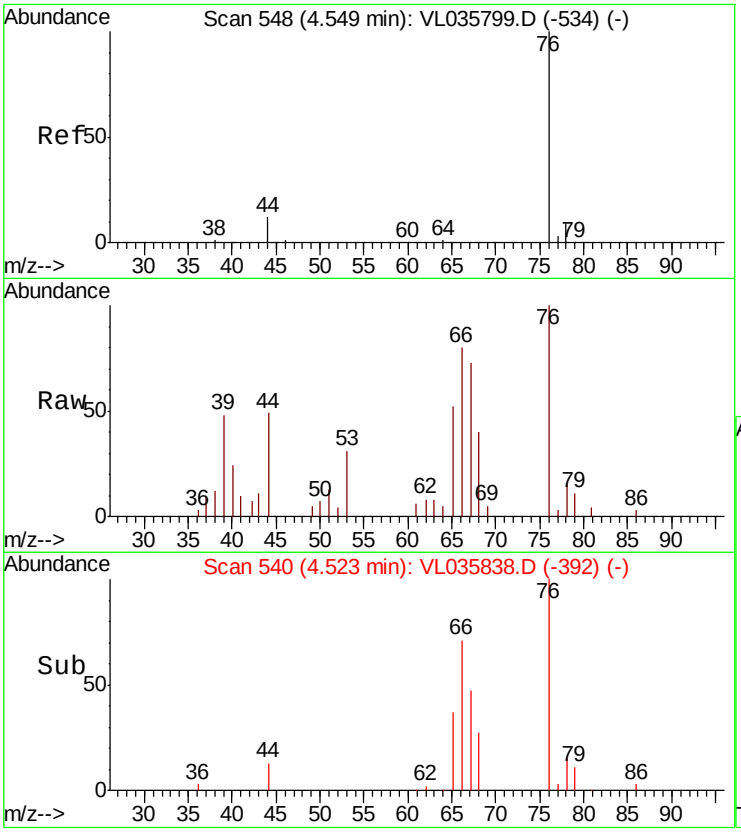


#26
Hexane
Concen: 1.591 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Tgt Ion: 57 Resp: 188532

Ion	Ratio	Lower	Upper
57	100		
41	77.8	58.9	88.3
43	56.1	150.2	225.2#
56	58.3	42.4	63.6



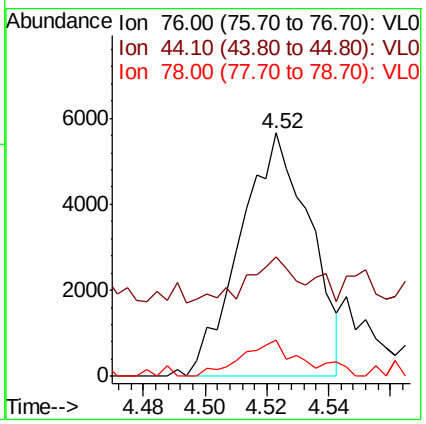


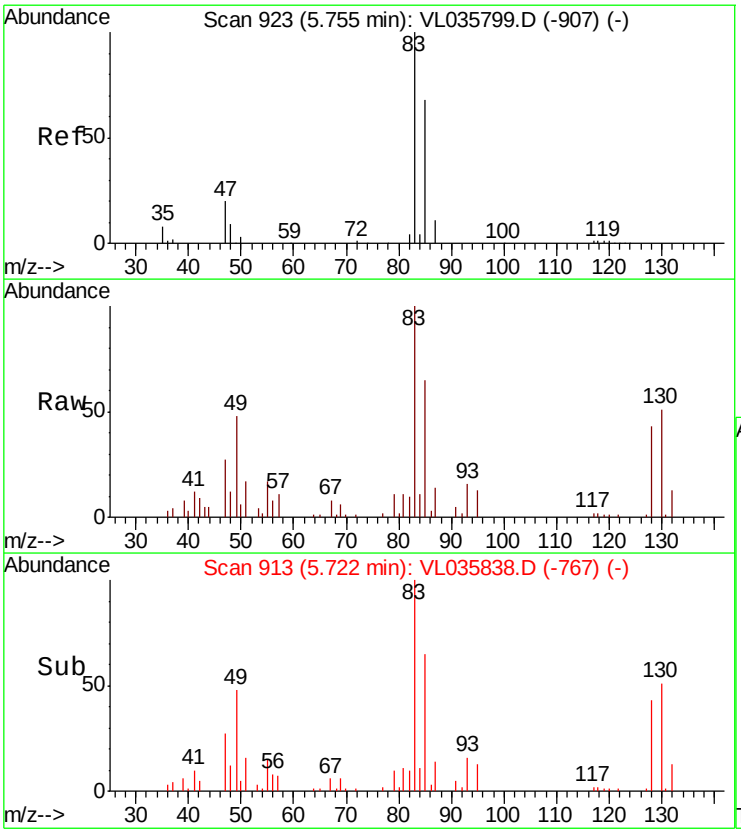
#27
Carbon Disulfide
Concen: 0.050 ppbv
RT: 4.52 min Scan# 540
Delta R.T. -0.03 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 8851

Ion	Ratio	Lower	Upper
76	100		
44	22.0	9.9	14.9#
78	15.3	8.1	12.1#

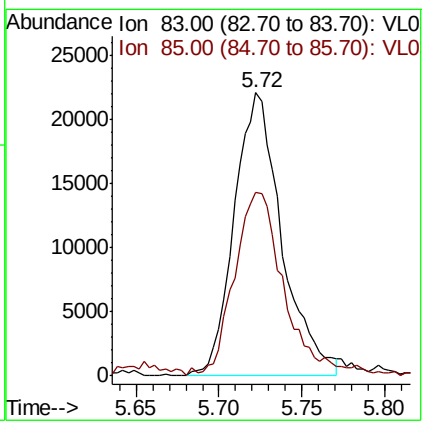


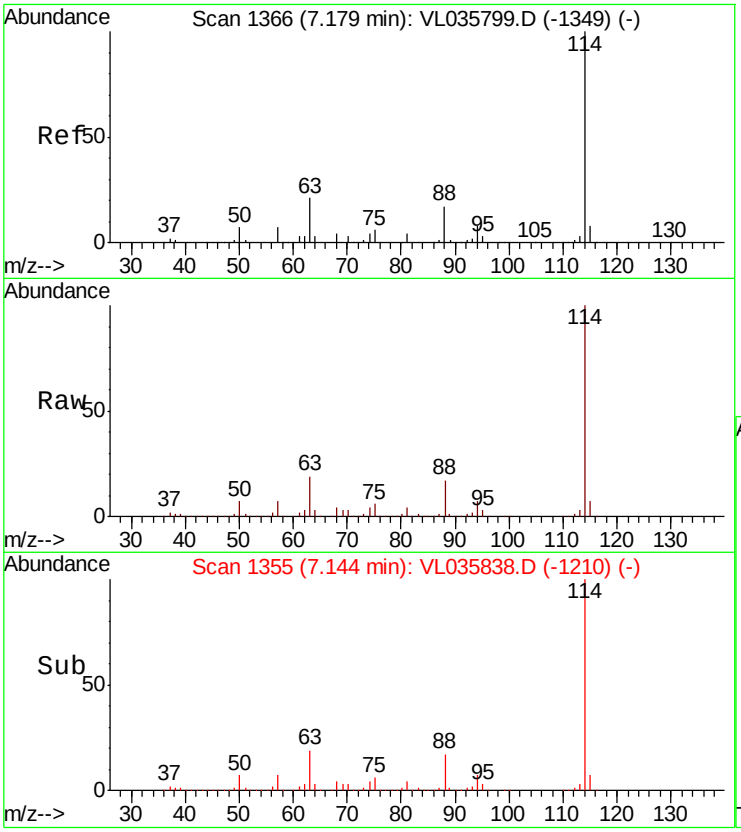


#29
Chloroform
Concen: 0.189 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.03 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Tgt Ion: 83 Resp: 44031

Ion	Ratio	Lower	Upper
83	100		
85	64.7	54.6	81.8



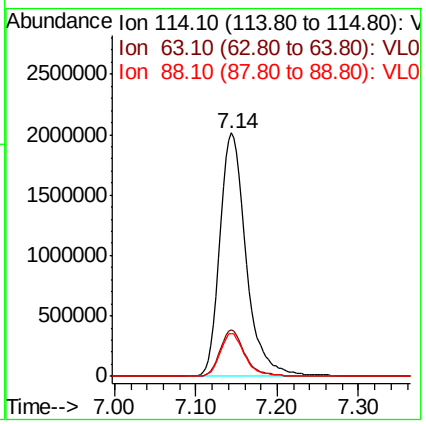


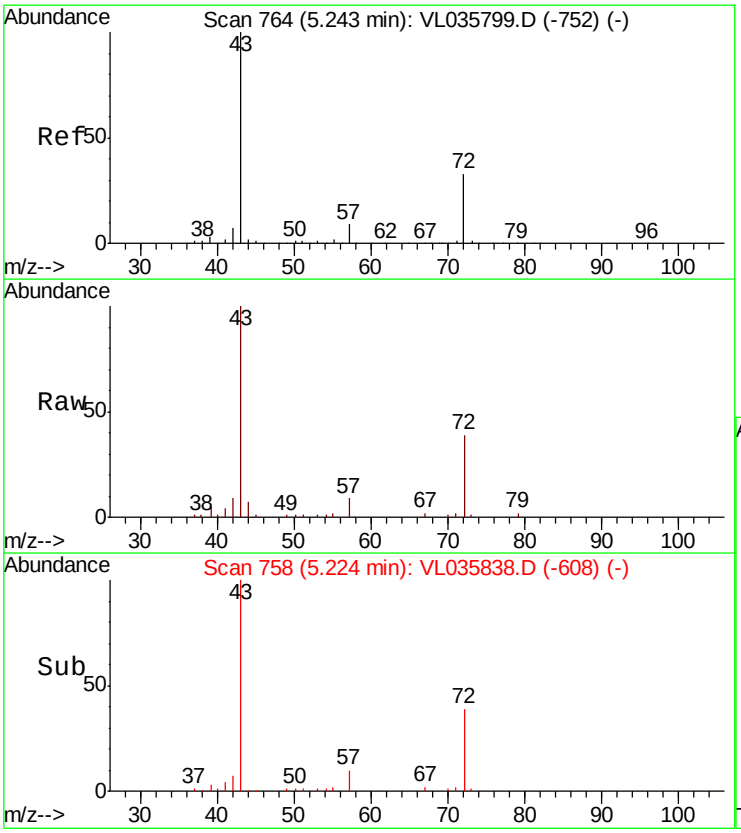
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.04 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 4607203

Ion	Ratio	Lower	Upper
114	100		
63	18.2	16.1	24.1
88	16.7	13.7	20.5

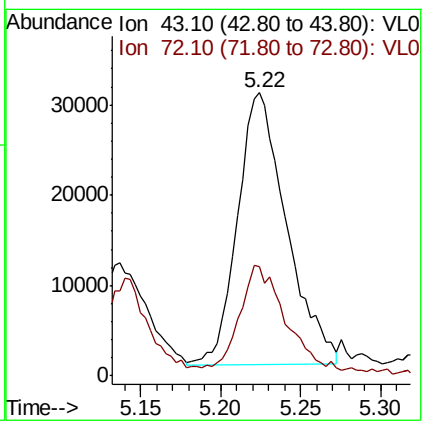


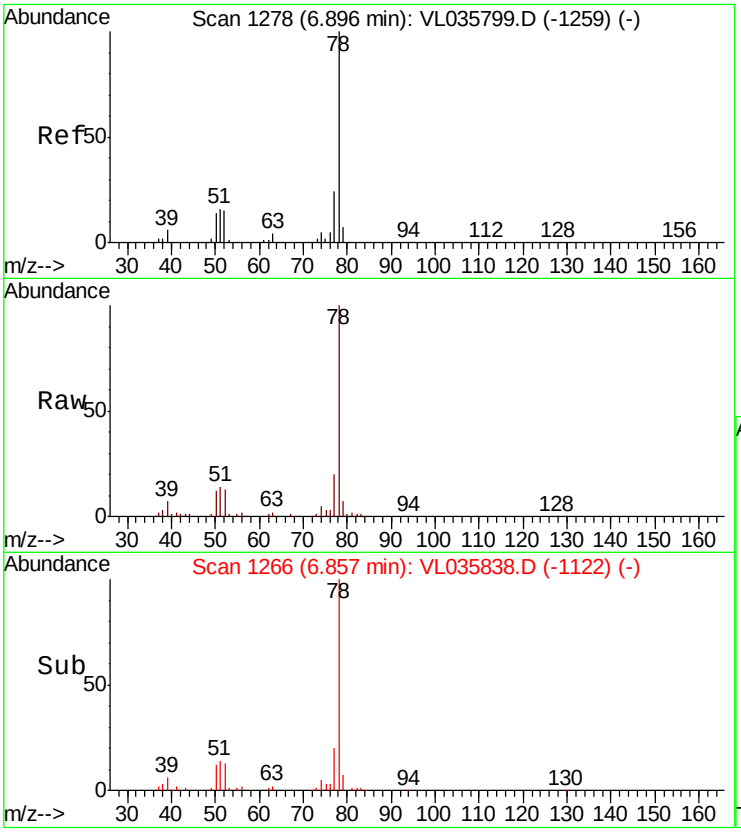


#34
2-Butanone
Concen: 0.422 ppbv
RT: 5.22 min Scan# 758
Delta R.T. -0.02 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Tgt Ion: 43 Resp: 63052

Ion	Ratio	Lower	Upper
43	100		
72	43.0	26.5	39.7#



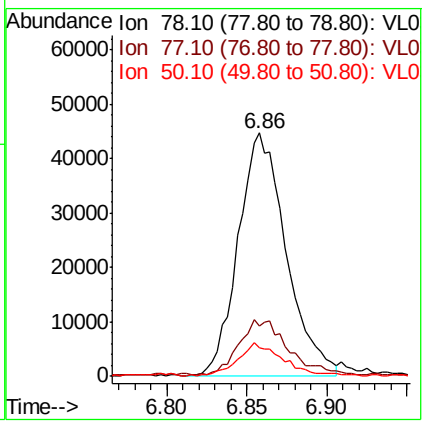


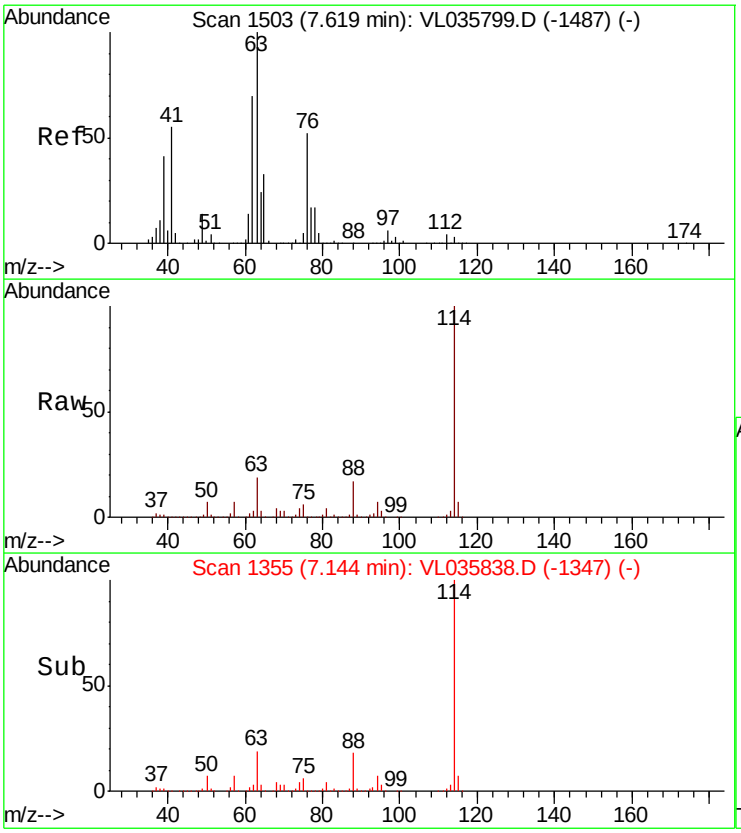
#36
Benzene
Concen: 0.268 ppbv
RT: 6.86 min Scan# 1266
Delta R.T. -0.04 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 91826

Ion	Ratio	Lower	Upper
78	100		
77	19.5	19.3	28.9
50	11.5	11.4	17.2

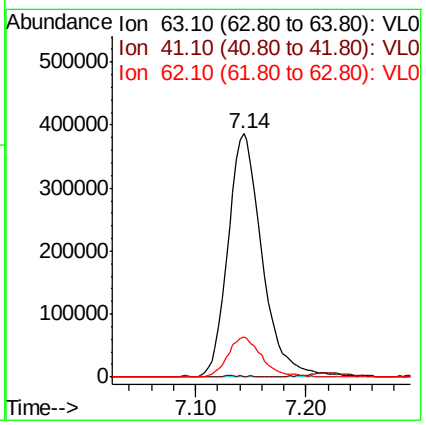


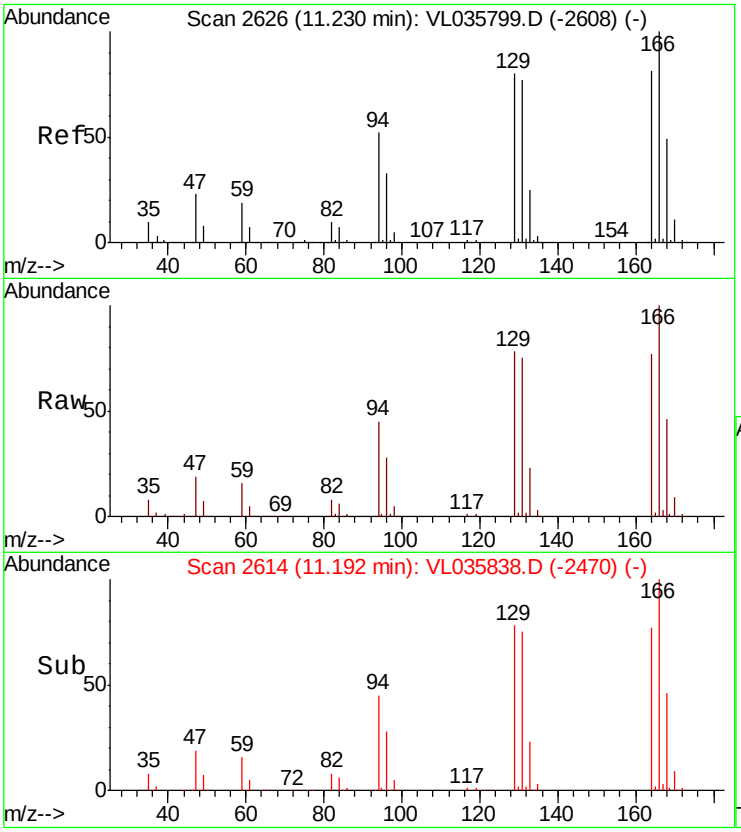


#39
1,2-Dichloropropane
Concen: 7.185 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.48 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Tgt Ion: 63 Resp: 828515

Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	16.6	56.2	84.2#



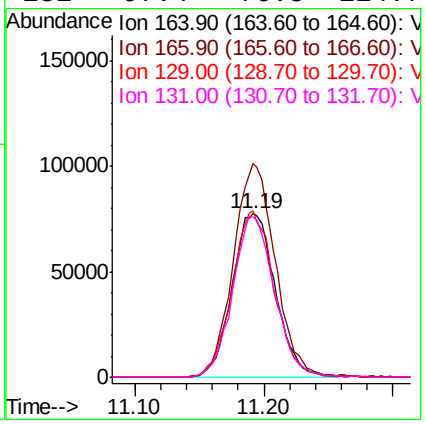


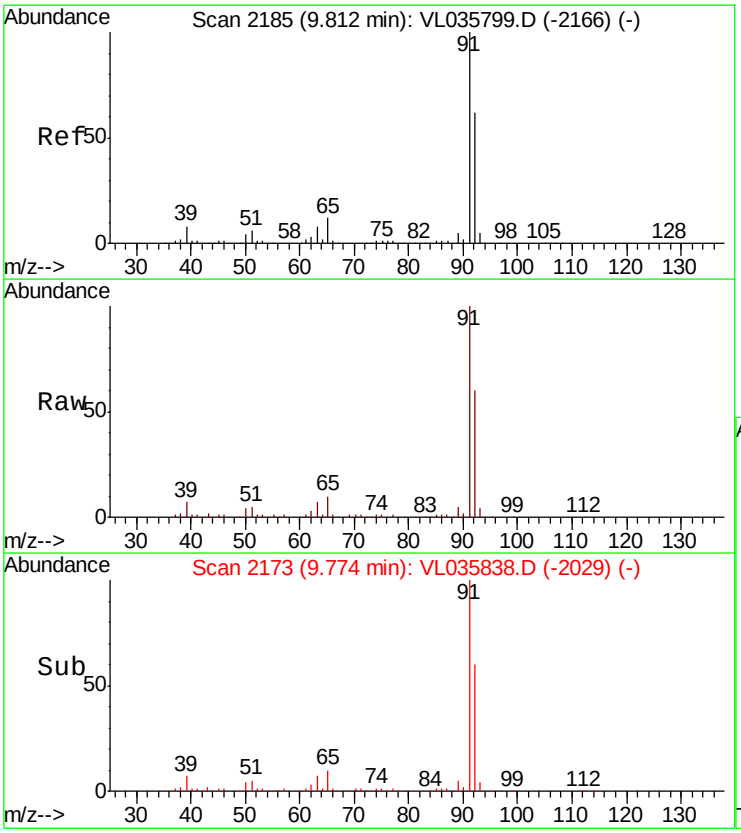
#52
Tetrachloroethene
Concen: 1.110 ppbv
RT: 11.19 min Scan# 2614
Delta R.T. -0.04 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:164 Resp: 180117

Ion	Ratio	Lower	Upper
164	100		
166	130.5	99.3	148.9
129	101.6	79.3	118.9
131	97.4	76.5	114.7

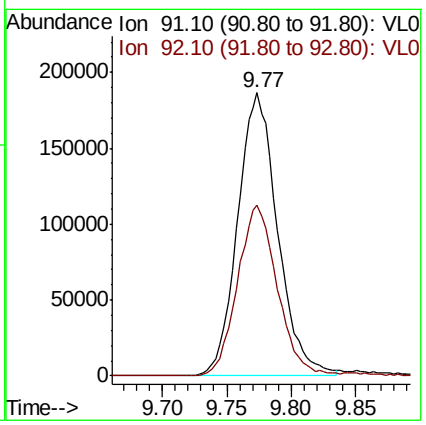


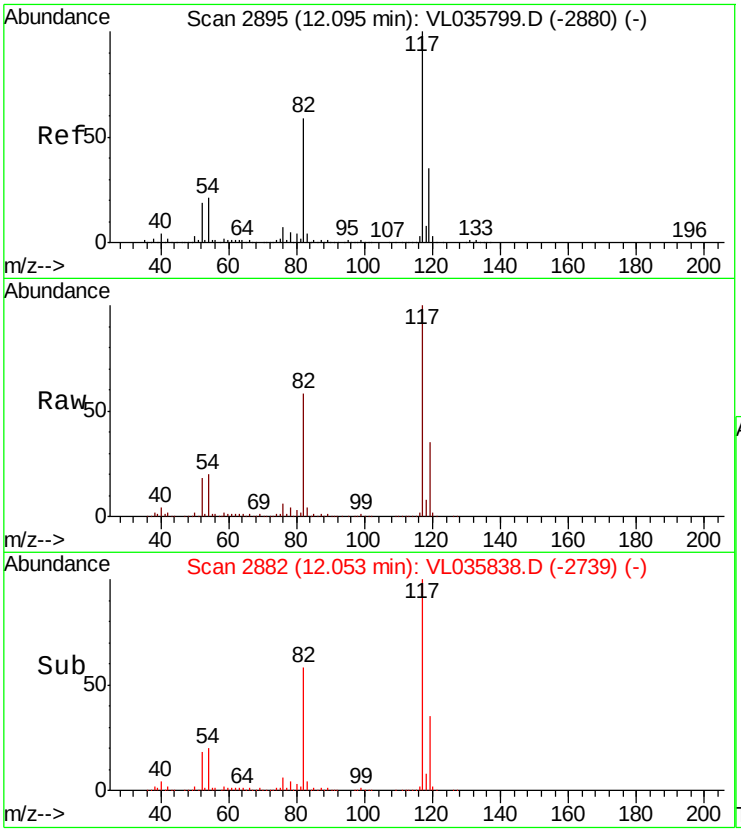


#53
Toluene
Concen: 0.971 ppbv
RT: 9.77 min Scan# 2173
Delta R.T. -0.04 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Tgt Ion: 91 Resp: 401463

Ion	Ratio	Lower	Upper
91	100		
92	61.5	49.8	74.6



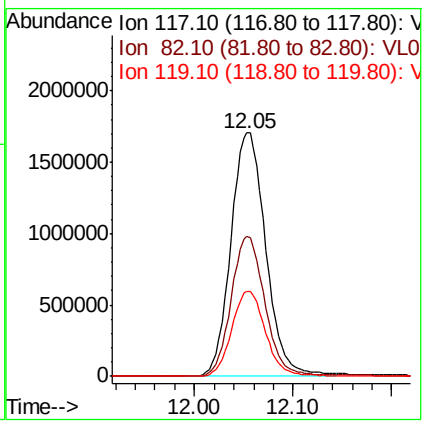


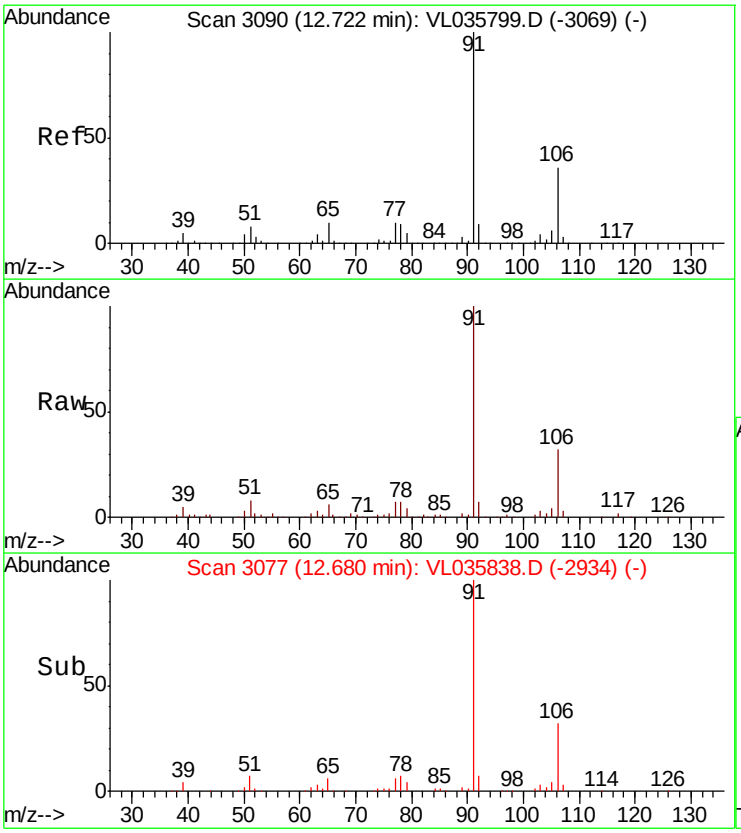
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2882
Delta R.T. -0.04 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 4198308

Ion	Ratio	Lower	Upper
117	100		
82	57.0	50.6	76.0
119	34.3	52.6	78.8#

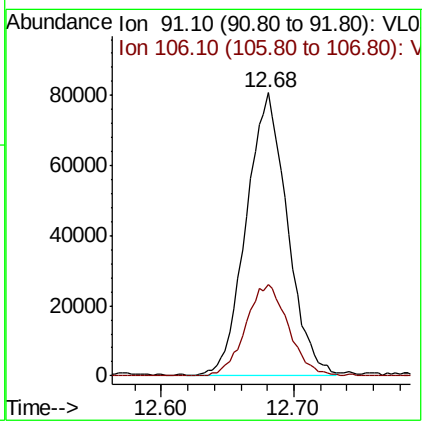


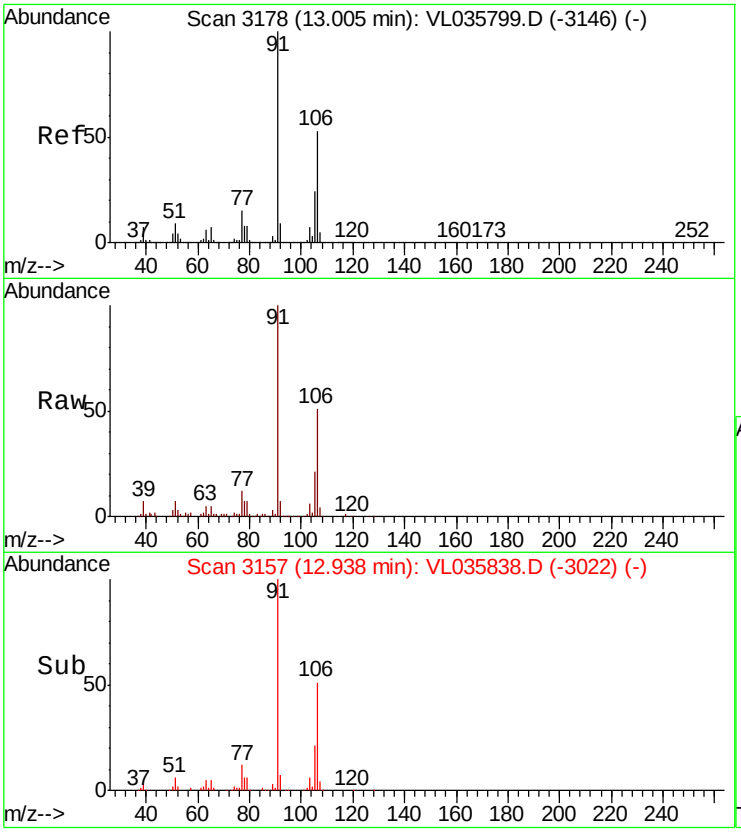


#58
Ethyl Benzene
Concen: 0.340 ppbv
RT: 12.68 min Scan# 3077
Delta R.T. -0.04 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Tgt Ion: 91 Resp: 173760

Ion	Ratio	Lower	Upper
91	100		
106	32.4	28.6	43.0



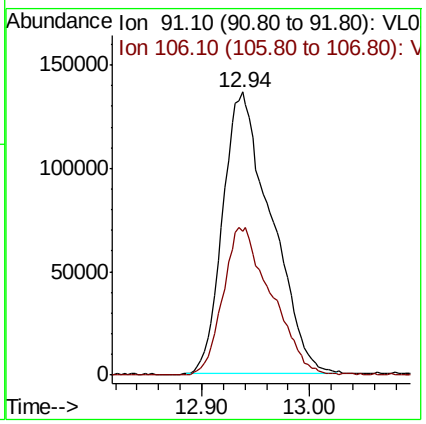


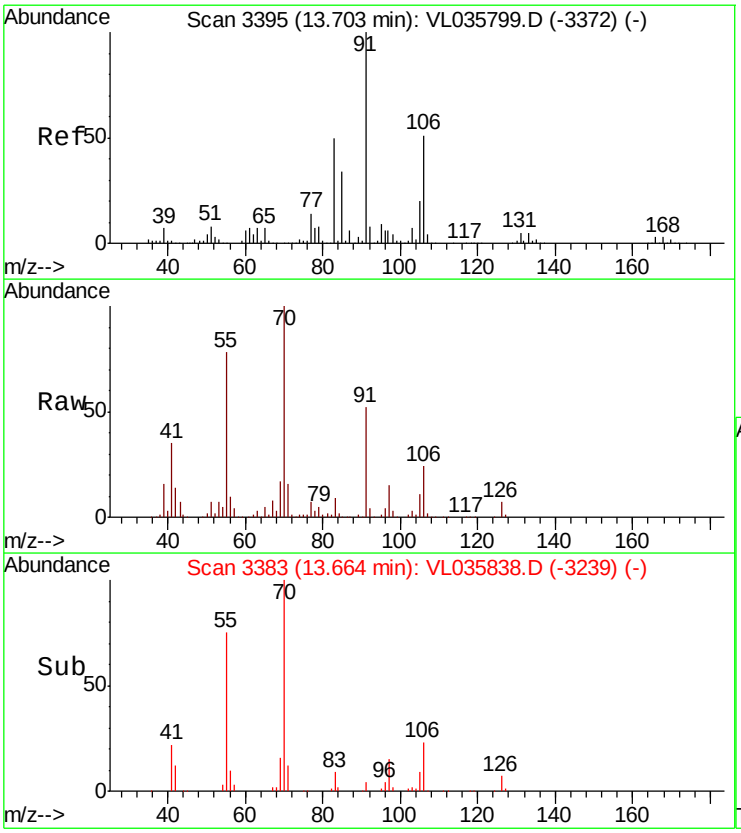
#59
m/p-Xylene
Concen: 0.981 ppbv
RT: 12.94 min Scan# 3157
Delta R.T. -0.07 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 424222

Ion	Ratio	Lower	Upper
91	100		
106	53.0	39.5	59.3

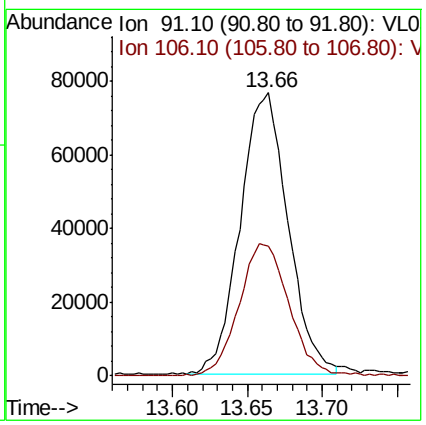


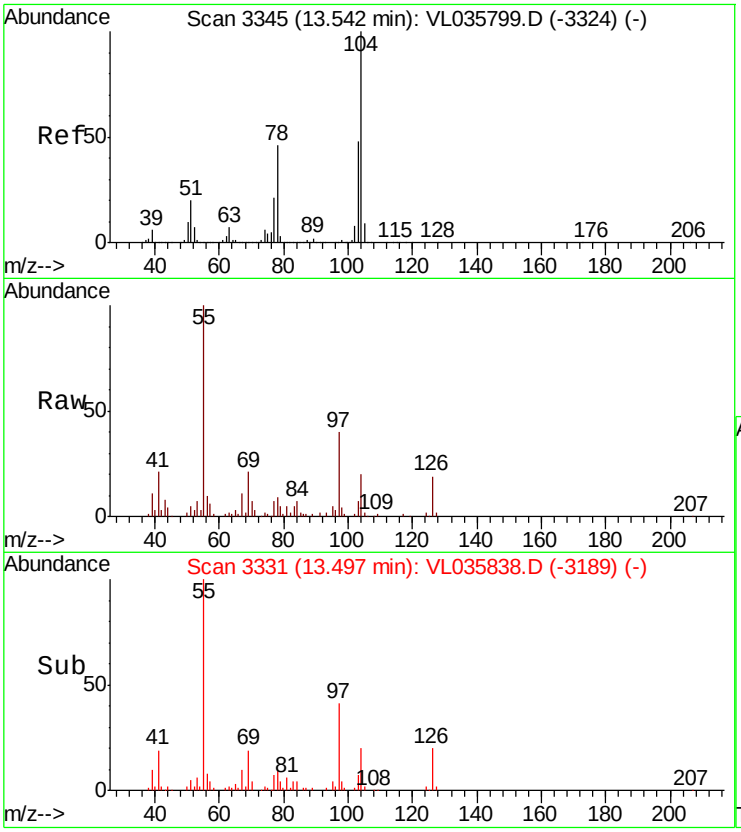


#60
o-Xylene
Concen: 0.403 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.04 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Tgt Ion: 91 Resp: 169730

Ion	Ratio	Lower	Upper
91	100		
106	49.6	24.8	74.4



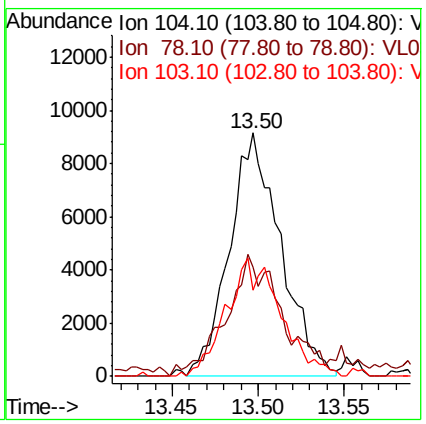


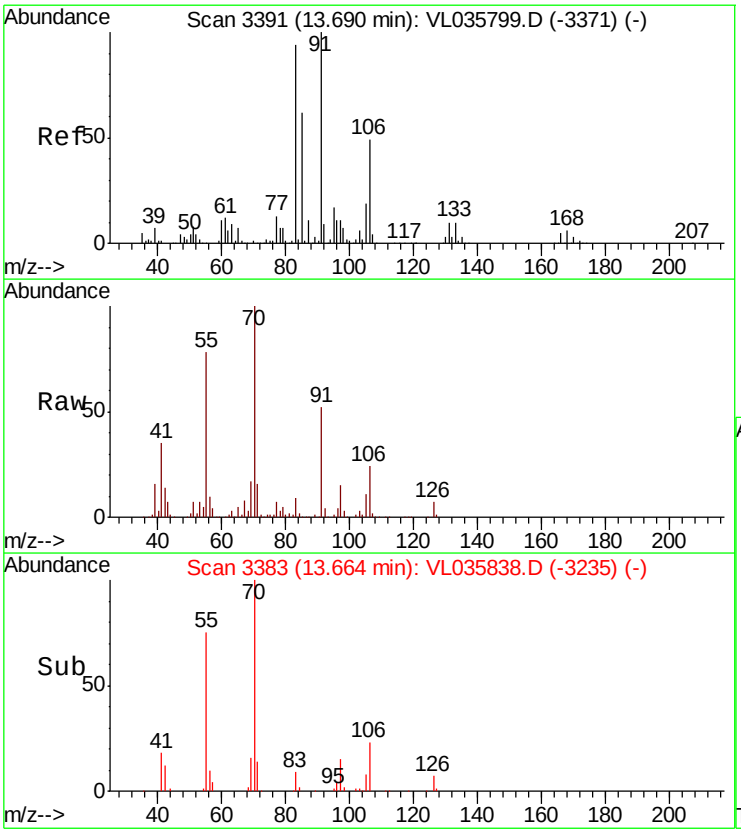
#61
Stvrene
Concen: 0.062 ppbv
RT: 13.50 min Scan# 3331
Delta R.T. -0.04 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 18989

Ion	Ratio	Lower	Upper
104	100		
78	59.5	37.1	55.7#
103	51.9	37.9	56.9

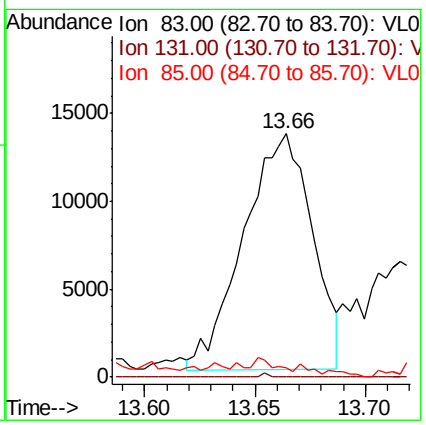


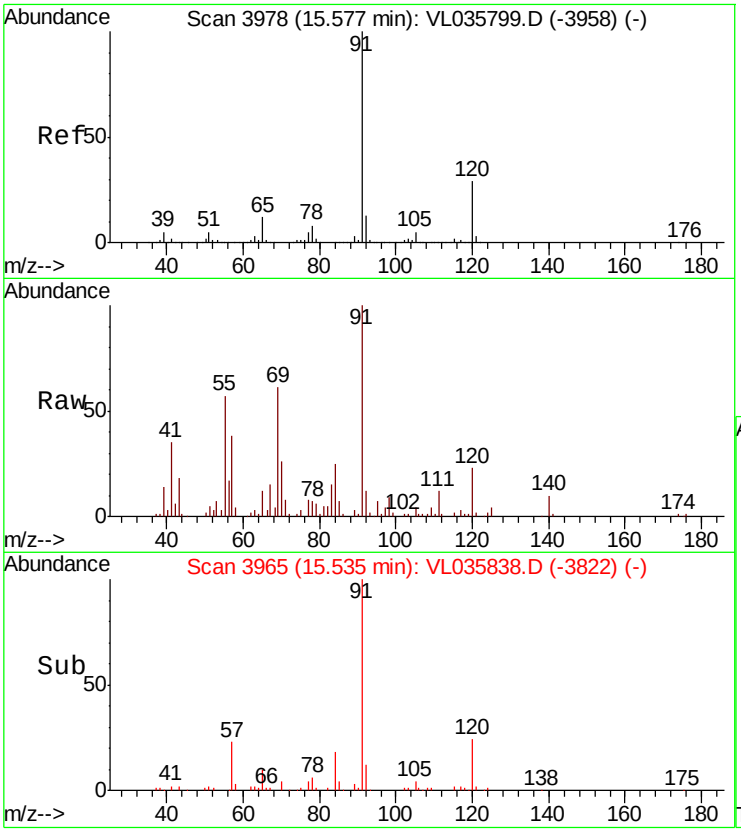


#63
1,1,2,2-Tetrachloroethane
Concen: 0.089 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.03 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Tgt Ion: 83 Resp: 29023

Ion	Ratio	Lower	Upper
83	100		
131	0.1	5.3	15.8#
85	8.7	33.5	100.4#



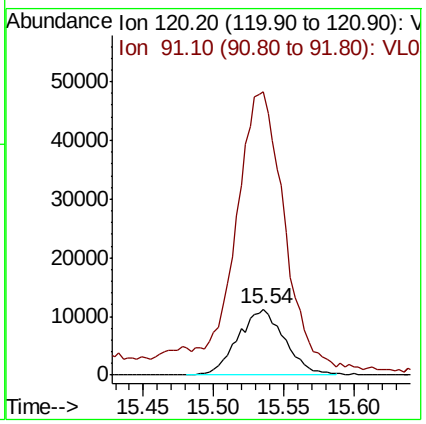


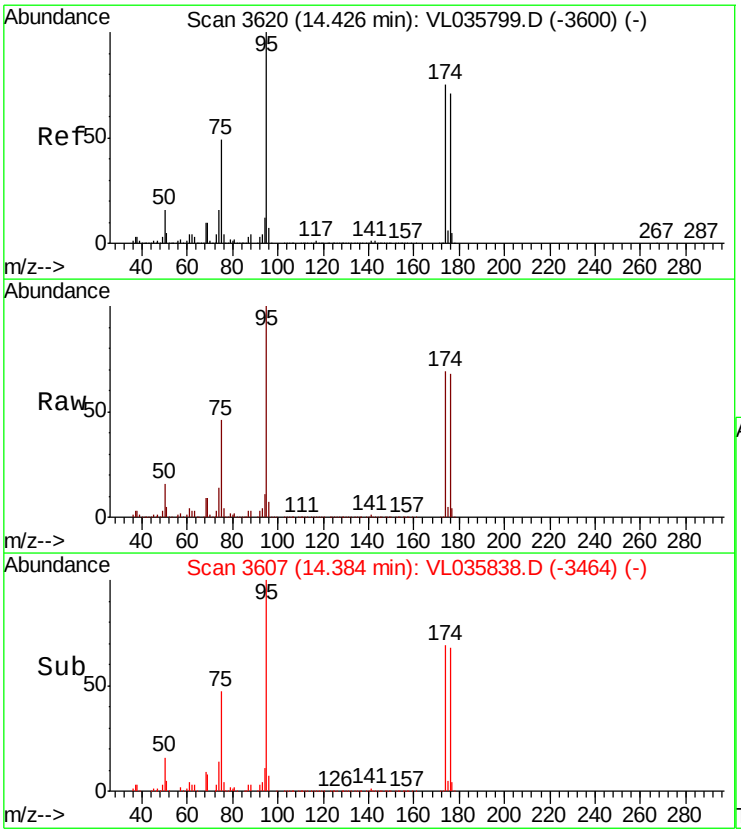
#64
n-propylbenzene
Concen: 0.136 ppbv
RT: 15.54 min Scan# 3965
Delta R.T. -0.04 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:120 Resp: 26044

Ion	Ratio	Lower	Upper
120	100		
91	473.4	311.1	466.7#

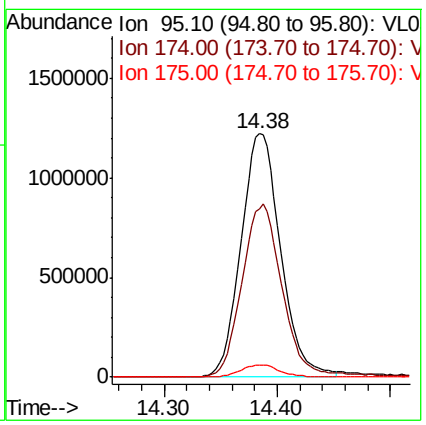


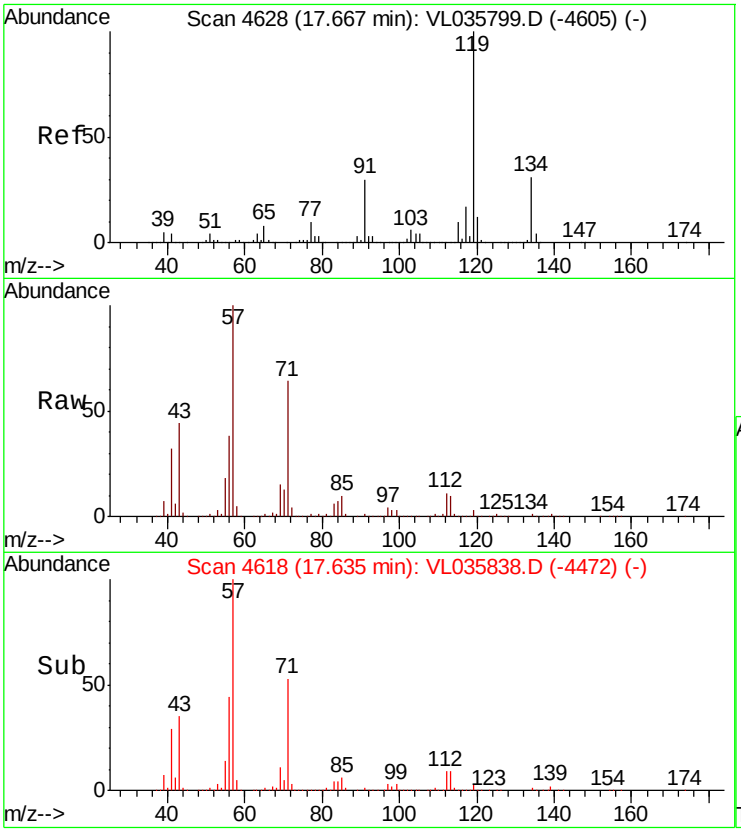


#68
1-Bromo-4-Fluorobenzene
Concen: 9.946 ppbv
RT: 14.38 min Scan# 3607
Delta R.T. -0.04 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Tgt Ion: 95 Resp: 2966703

Ion	Ratio	Lower	Upper
95	100		
174	74.0	59.8	89.6
175	5.2	4.3	6.5



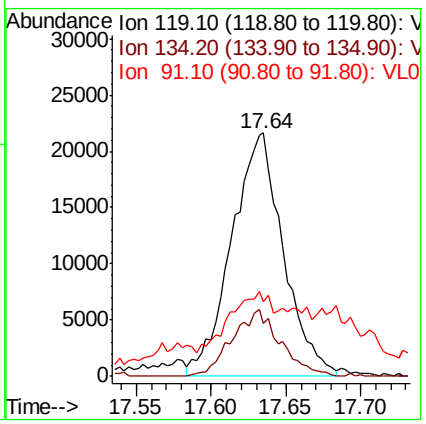


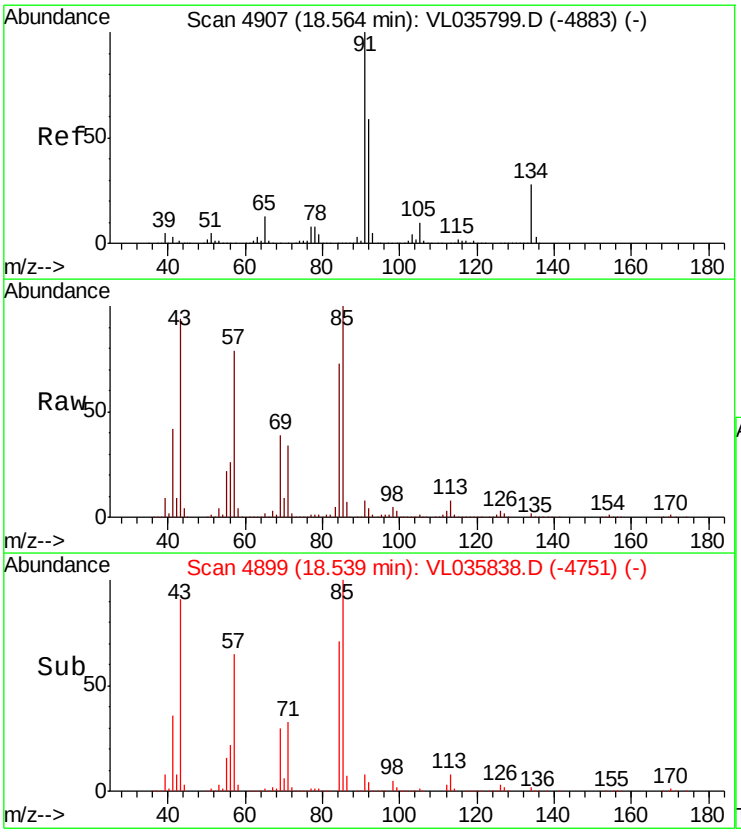
#69
p-Isopropyltoluene
Concen: 0.078 ppbv
RT: 17.64 min Scan# 4618
Delta R.T. -0.03 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 52095

Ion	Ratio	Lower	Upper
119	100		
134	25.8	23.0	34.6
91	65.4	22.8	34.2#

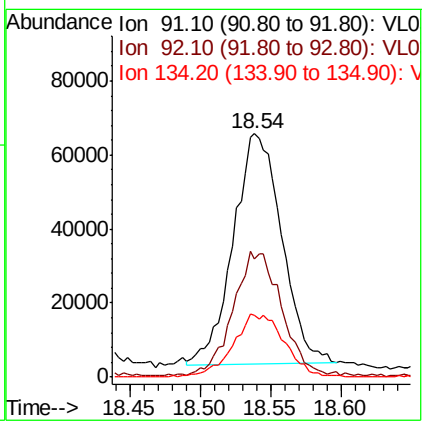


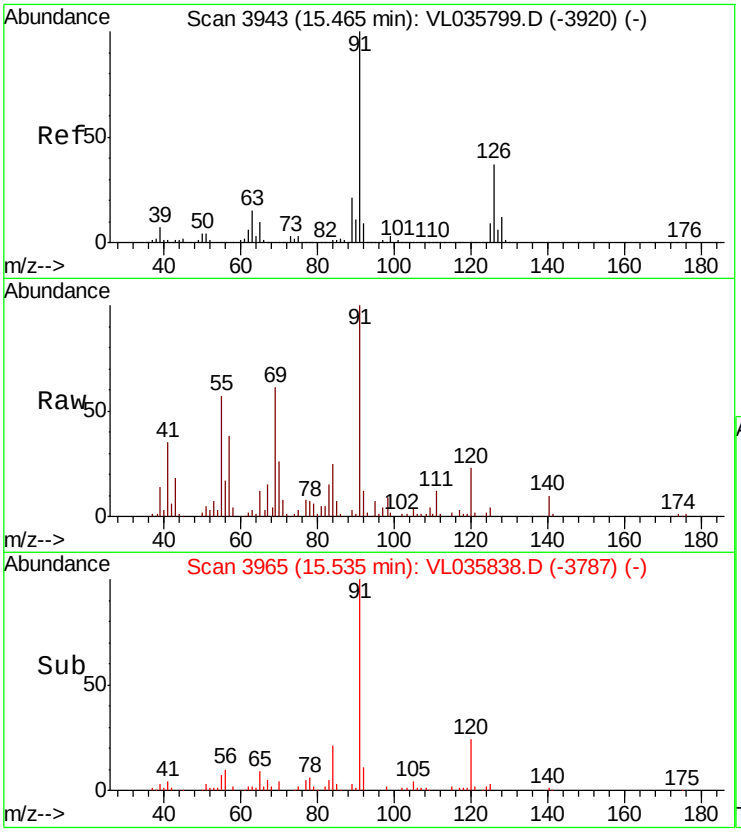


#70
n-Butylbenzene
Concen: 0.232 ppbv
RT: 18.54 min Scan# 4899
Delta R.T. -0.03 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Tgt Ion: 91 Resp: 149876

Ion	Ratio	Lower	Upper
91	100		
92	54.2	45.7	68.5
134	29.2	21.0	31.4



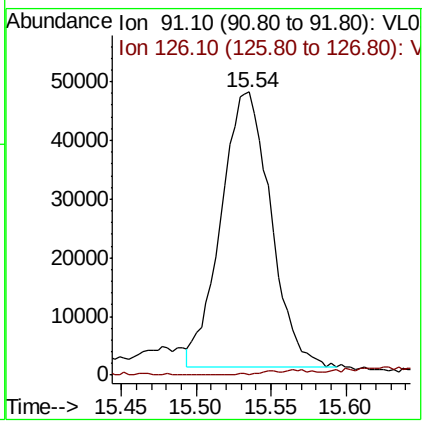


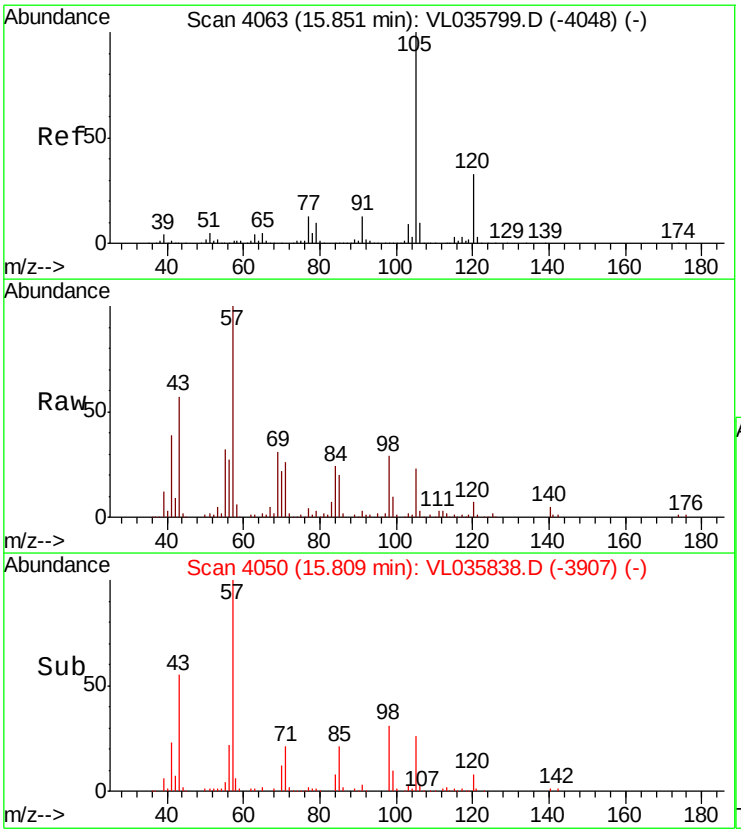
#71
2-Chlorotoluene
Concen: 0.224 ppbv
RT: 15.54 min Scan# 3965
Delta R.T. 0.07 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 108205

Ion	Ratio	Lower	Upper
91	100		
126	1.8	14.3	57.1#

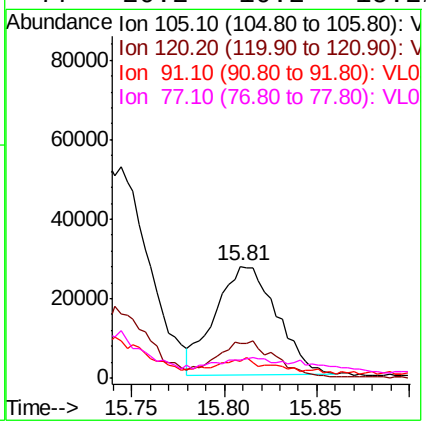


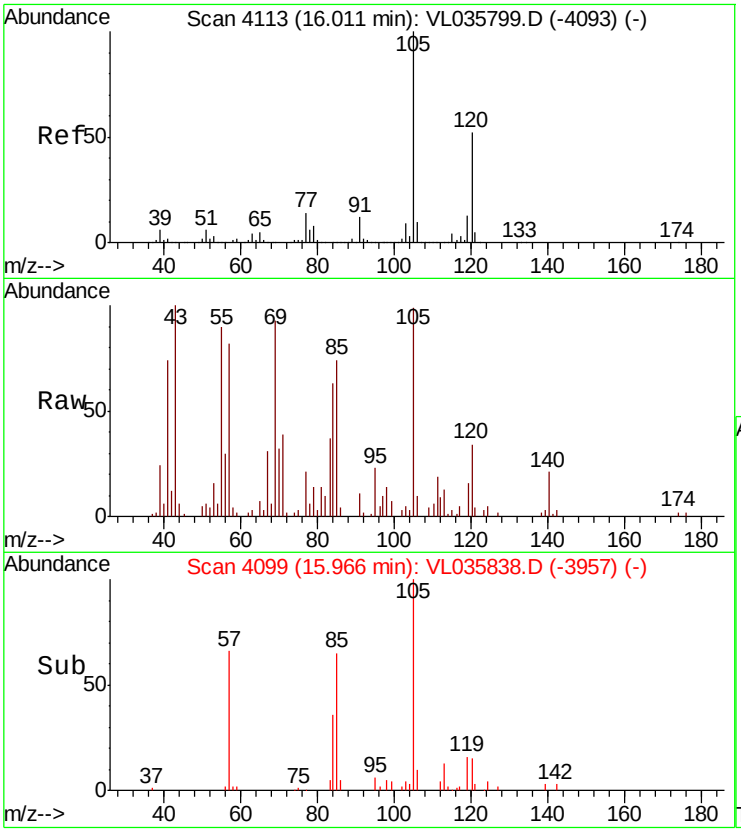


#72
4-Ethyltoluene
Concen: 0.123 ppbv
RT: 15.81 min Scan# 4050
Delta R.T. -0.04 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Tgt Ion:105 Resp: 62859

Ion	Ratio	Lower	Upper
105	100		
120	34.5	25.9	38.9
91	16.9	9.9	14.9#
77	20.2	10.2	15.2#



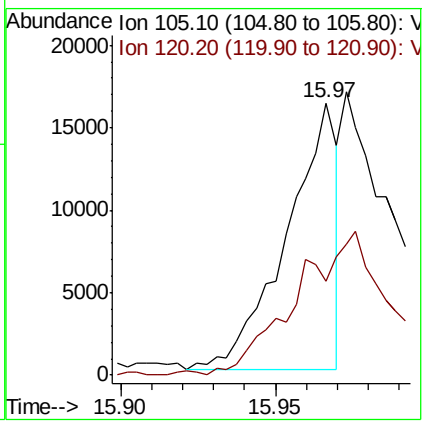


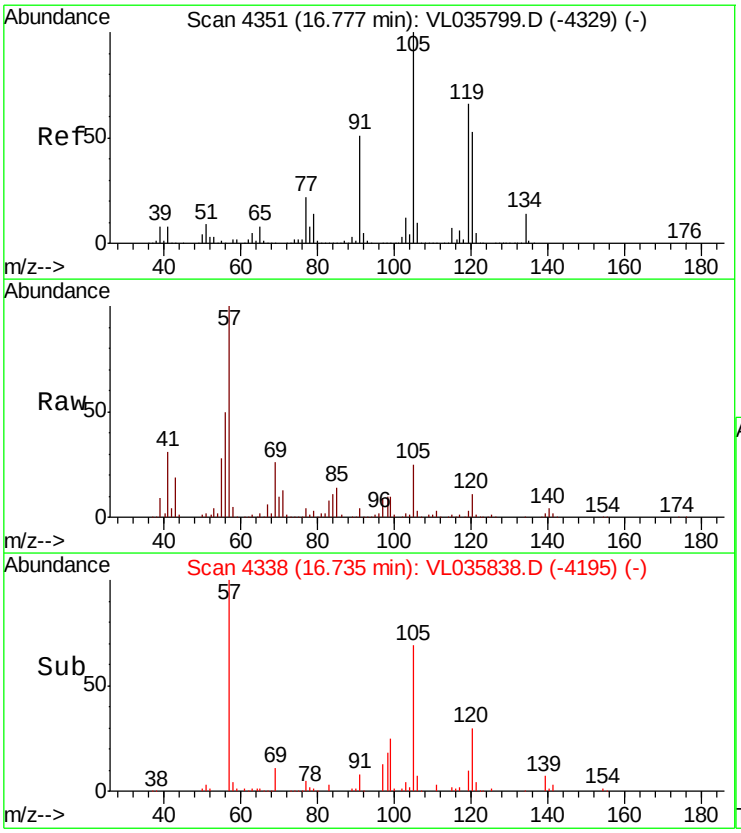
#73
1,3,5-Trimethylbenzene
Concen: 0.039 ppbv
RT: 15.97 min Scan# 4099
Delta R.T. -0.04 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 18177

Ion	Ratio	Lower	Upper
105	100		
120	33.7	41.4	62.2#

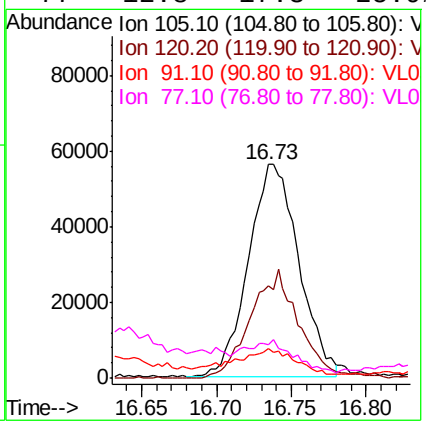


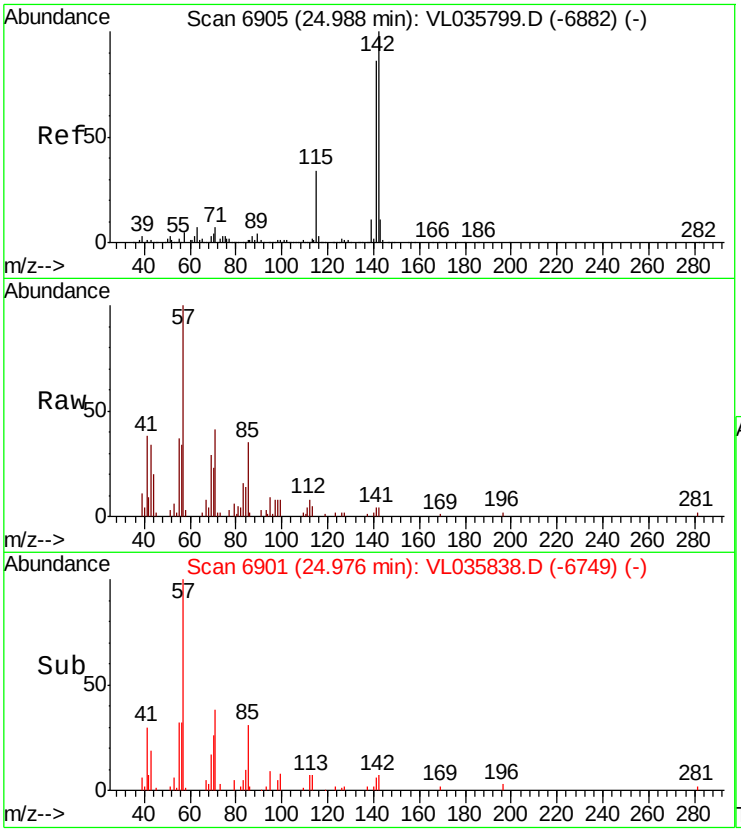


#74
1,2,4-Trimethylbenzene
Concen: 0.263 ppbv
RT: 16.73 min Scan# 4338
Delta R.T. -0.04 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Tgt Ion:105 Resp: 131800

Ion	Ratio	Lower	Upper
105	100		
120	43.6	42.0	63.0
91	12.1	41.0	61.6#
77	12.8	17.3	25.9#





#80
Naphthalene,2-methyl-
Concen: 0.031 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.01 min
Lab File: VL035838.D
Acq: 4 Nov 2020 18:10

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 1782

Ion	Ratio	Lower	Upper
142	100		
141	72.8	67.8	101.8
115	22.2	28.1	42.1#