Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110420\
Data File : VL035831.D
Acq On : 4 Nov 2020 13:34
Operator : SY/AP
Sample : L4604-01 2X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Nov 05 02:54:24 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	1016394	10.00	ppbv		-0.03
33) 1,4-Difluorobenzene	7.14	114	4475547	10.00	ppbv		-0.04
55) Chlorobenzene-d5	12.05	117	4211281	10.00	ppbv		-0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	3017900	10.09	ppbv		-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.02	85	31303	0.164	ppbv		97
4) Chloromethane	3.12	50	4277	0.072	ppbv		88
9) Propene	2.99	41	40383	0.906	ppbv	#	55
10) Heptane	8.09	43	6528	0.053	ppbv	#	19
11) Trichlorofluoromethane	3.93	101	30092	0.125	ppbv	#	83
13) Ethanol	3.59	45	9160	0.948	ppbv	#	47
15) Acetone	3.83	43	230957	2.125	ppbv		95
16) 1,3-Butadiene	3.29	39	21296	0.455	ppbv	#	55
20) Methylene Chloride	4.32	84	152882	1.999	ppbv		97
25) Ethyl Acetate	5.66	43	62696	0.293	ppbv	#	74
26) Hexane	5.66	57	113188	0.959	ppbv	#	45
29) Chloroform	5.72	83	569473	2.454	ppbv		98
30) Cyclohexane	7.09	84	4670	0.036	ppbv	#	6
34) 2-Butanone	5.23	43	25343	0.174	ppbv	#	82
35) Carbon Tetrachloride	6.99	117	32610	0.136	ppbv		97
36) Benzene	6.86	78	47265	0.142	ppbv		94
39) 1,2-Dichloropropane	7.14	63	827692	7.389	ppbv	#	30
52) Tetrachloroethene	11.19	164	7642	0.048	ppbv		94
53) Toluene	9.78	91	398383	0.992	ppbv		98
58) Ethyl Benzene	12.68	91	203339	0.396	ppbv		96
59) m/p-Xylene	12.94	91	581659	1.340	ppbv		96
60) o-Xylene	13.66	91	246825	0.585	ppbv		99
61) Styrene	13.50	104	16336	0.053	ppbv	#	87
63) 1,1,2,2-Tetrachloroethane	13.66	83	27499	0.084	ppbv	#	35
64) n-propylbenzene	15.54	120	20544	0.107	ppbv	#	1
65) tert-Butylbenzene	16.74	119	37111	0.061	ppbv	#	58
69) p-Isopropyltoluene	17.63	119	117134	0.174	ppbv	#	83
70) n-Butylbenzene	18.55	91	206161	0.319	ppbv		95
72) 4-Ethyltoluene	15.82	105	110017	0.215	ppbv	#	95
73) 1,3,5-Trimethylbenzene	15.97	105	70167	0.150	ppbv	#	84
74) 1,2,4-Trimethylbenzene	16.74	105	283705	0.565	ppbv	#	70
78) Hexachloro-1,3-Butadiene	23.36	225	7782	0.054	ppbv	#	62
80) Naphthalene,2-methyl-	24.96	142	7208	0.126	ppbv	#	81

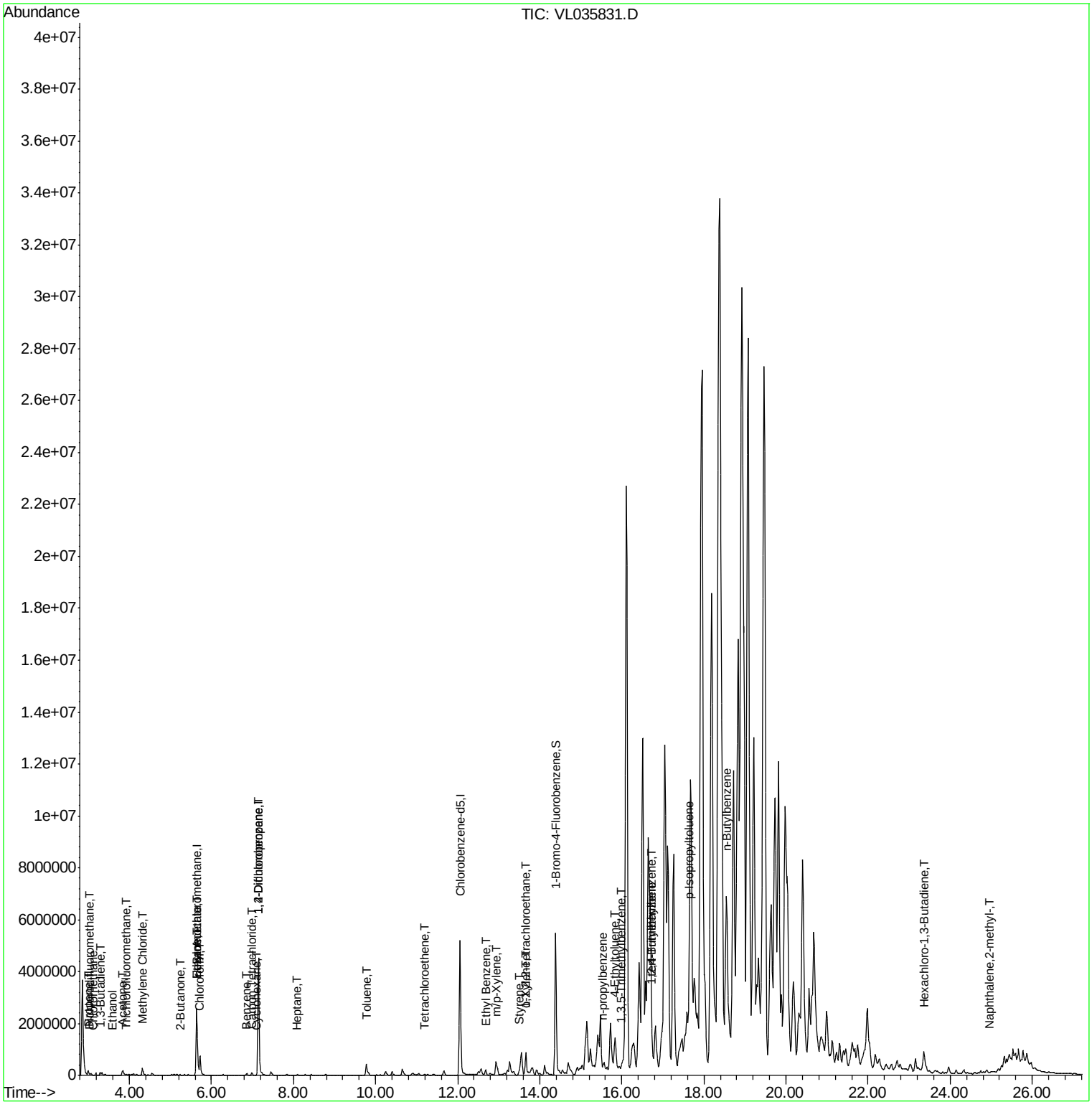
(#) = qualifier out of range (m) = manual integration (+) = signals summed

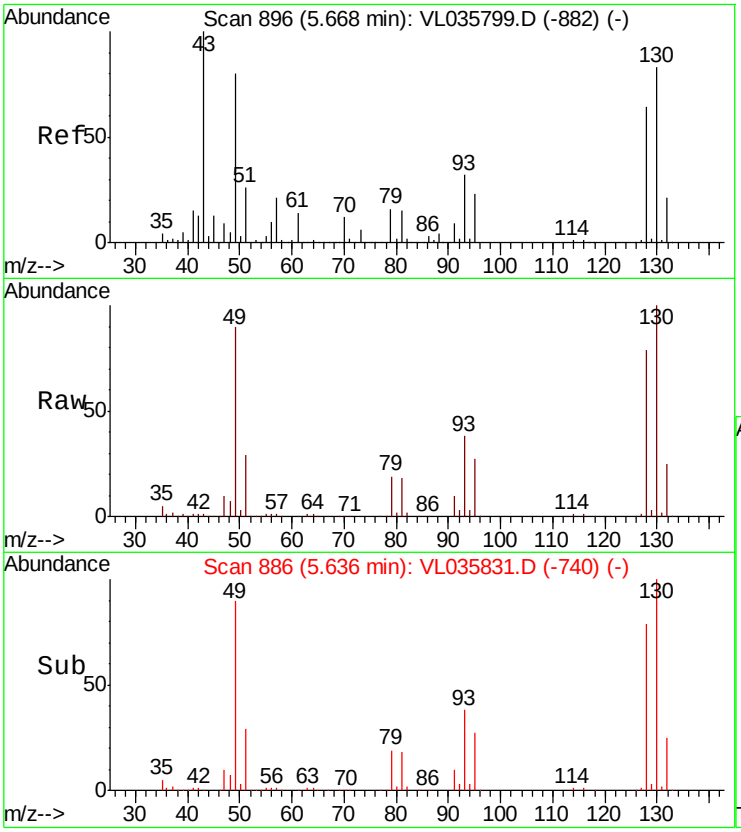
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110420\
Data File : VL035831.D
Acq On : 4 Nov 2020 13:34
Operator : SY/AP
Sample : L4604-01 2X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Nov 05 02:54:24 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



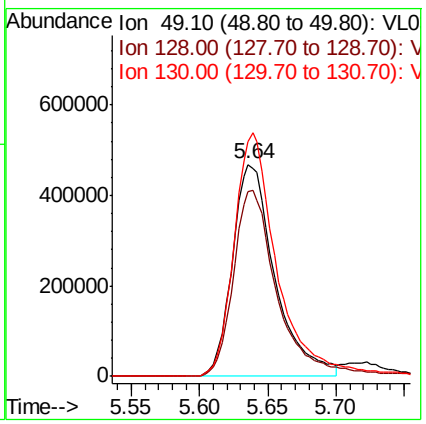


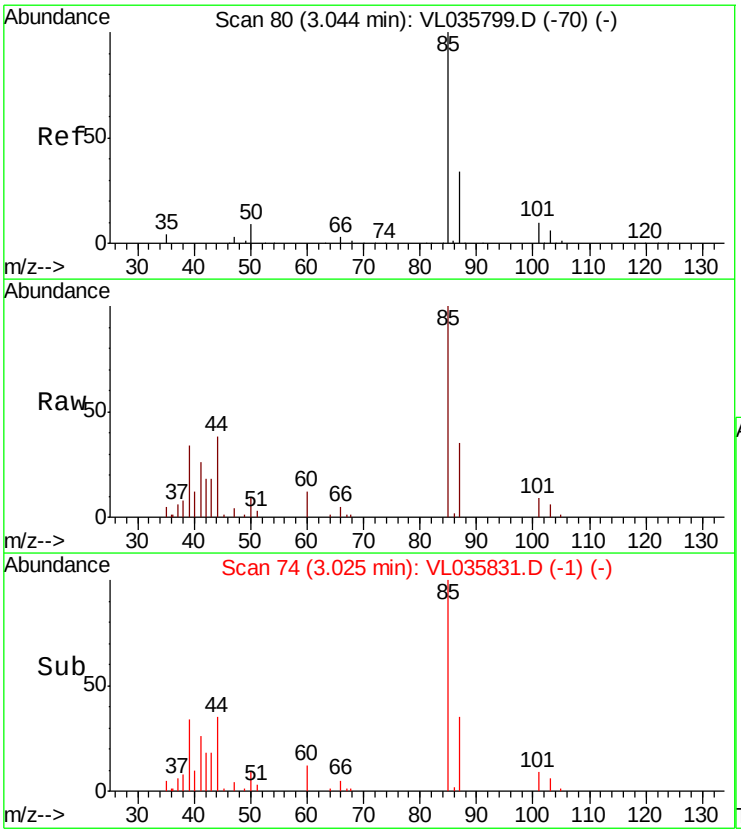
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 886
Delta R.T. -0.03 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1016394

Ion	Ratio	Lower	Upper
49	100		
128	92.7	41.5	124.6
130	118.1	53.7	161.1

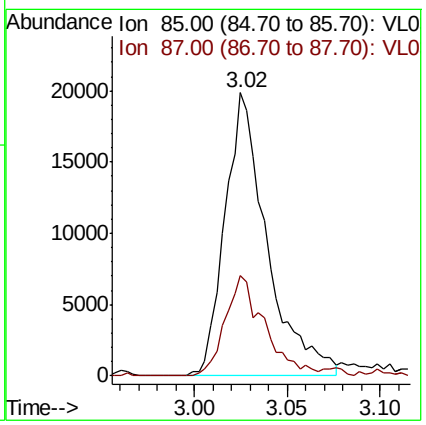


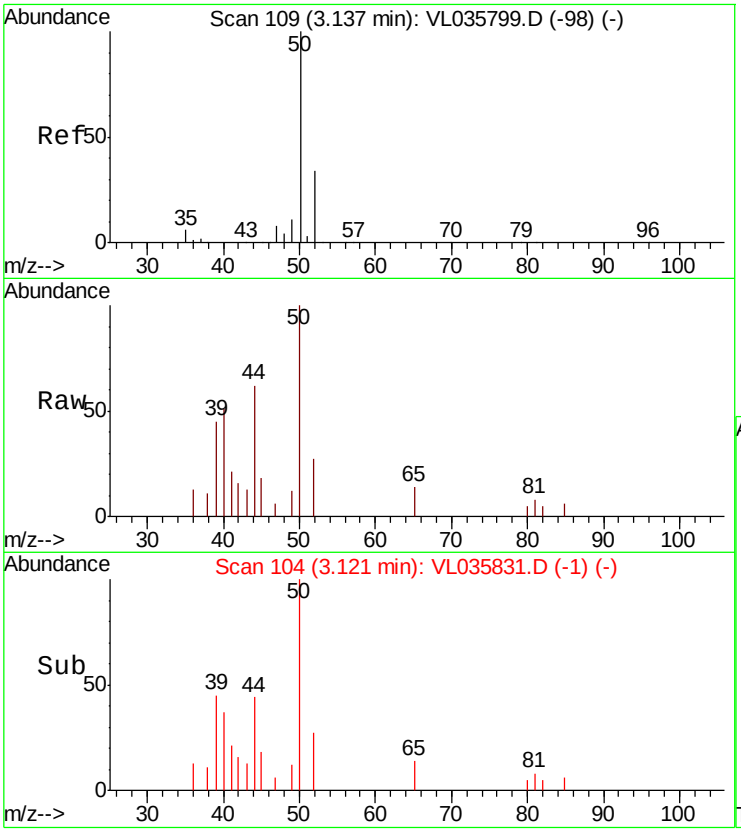


#2
Dichlorodifluoromethane
Concen: 0.164 ppbv
RT: 3.02 min Scan# 74
Delta R.T. -0.02 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Tgt Ion: 85 Resp: 31303

Ion	Ratio	Lower	Upper
85	100		
87	35.3	27.1	40.7



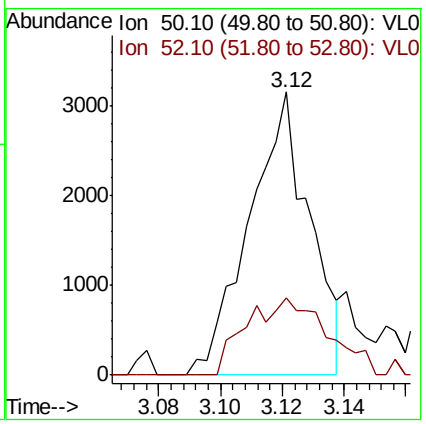


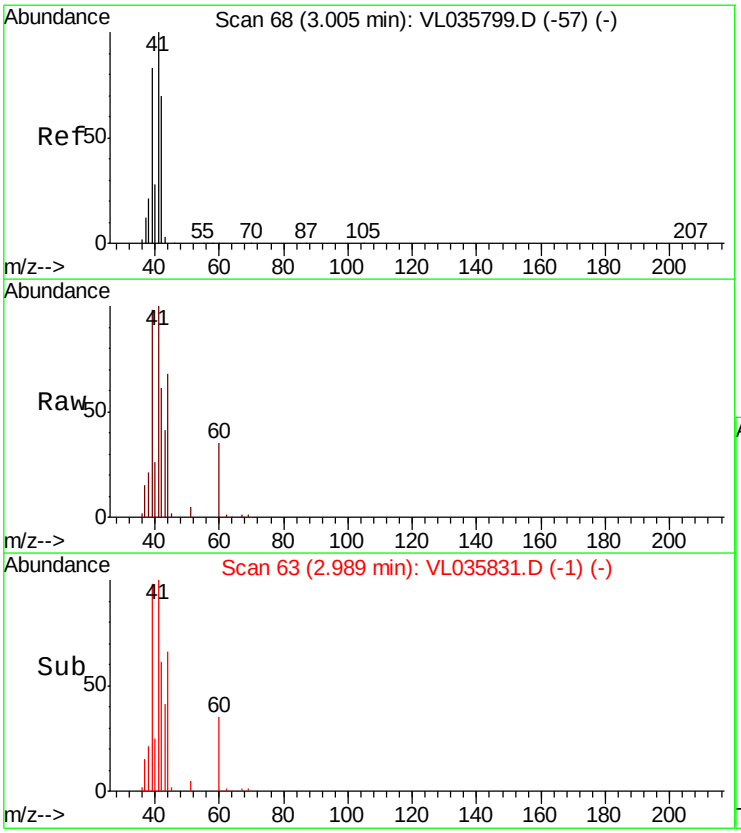
#4
Chloromethane
Concen: 0.072 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.02 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 50 Resp: 4277

Ion	Ratio	Lower	Upper
50	100		
52	27.2	27.1	40.7

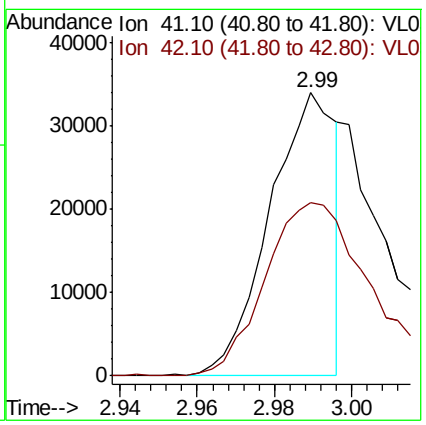


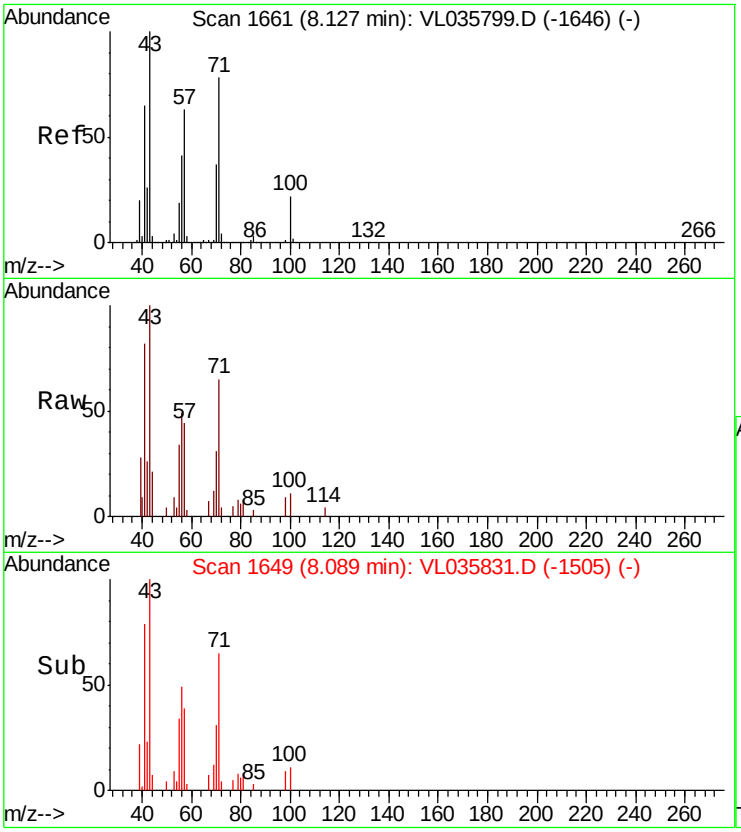


#9
Propene
Concen: 0.906 ppbv
RT: 2.99 min Scan# 63
Delta R.T. -0.02 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Tgt Ion: 41 Resp: 40383

Ion	Ratio	Lower	Upper
41	100		
42	107.5	56.2	84.4#



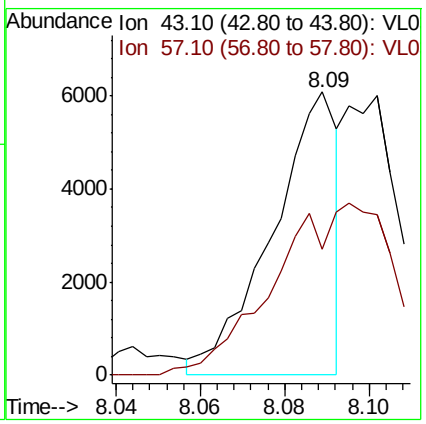


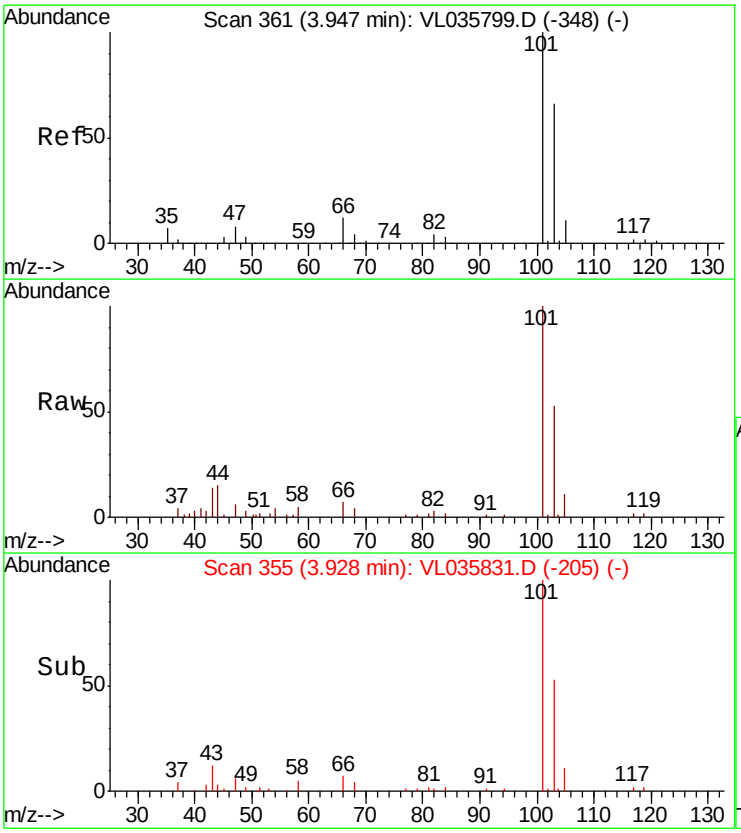
#10
Heptane
Concen: 0.053 ppbv
RT: 8.09 min Scan# 1649
Delta R.T. -0.04 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 6528

Ion	Ratio	Lower	Upper
43	100		
57	0.0	50.0	75.0#

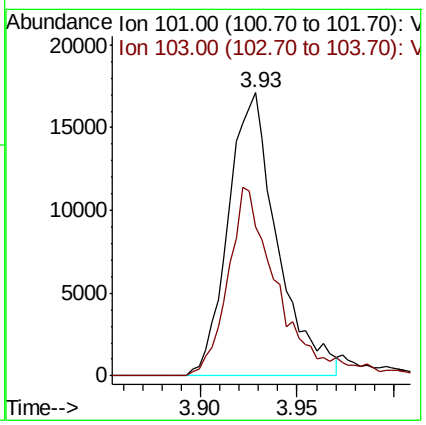


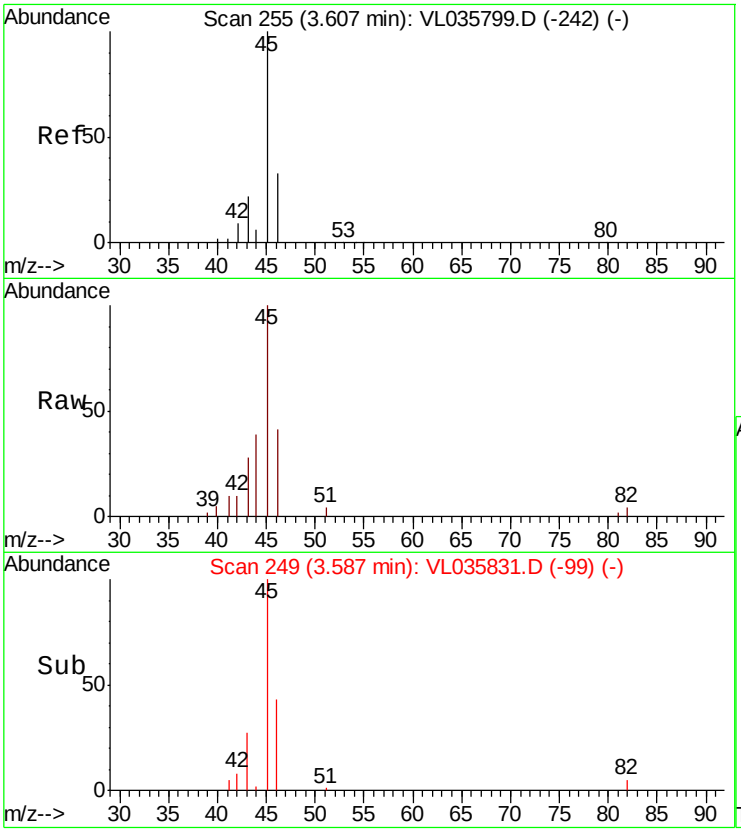


#11
Trichlorofluoromethane
Concen: 0.125 ppbv
RT: 3.93 min Scan# 355
Delta R.T. -0.02 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Tgt Ion:101 Resp: 30092

Ion	Ratio	Lower	Upper
101	100		
103	52.7	53.0	79.4#



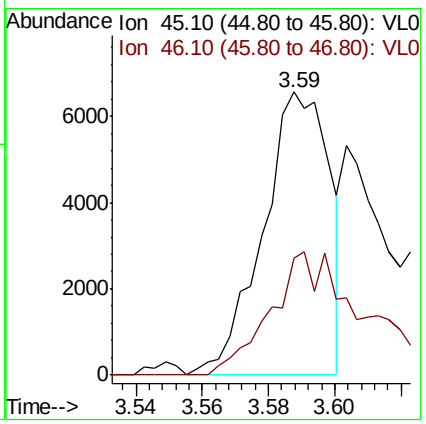


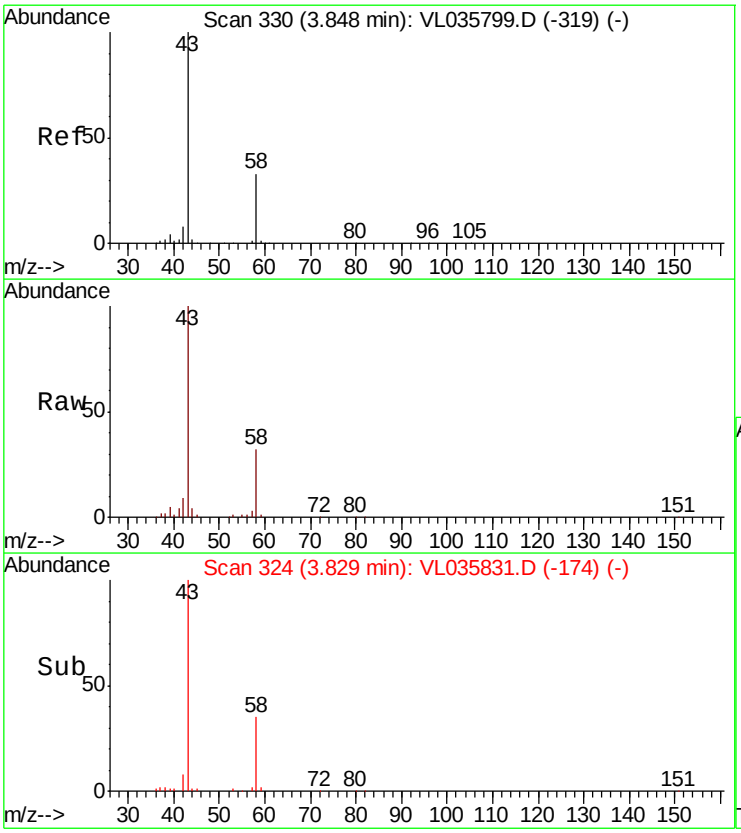
#13
Ethanol
Concen: 0.948 ppbv
RT: 3.59 min Scan# 249
Delta R.T. -0.02 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 9160

Ion	Ratio	Lower	Upper
45	100		
46	73.4	16.1	64.5#

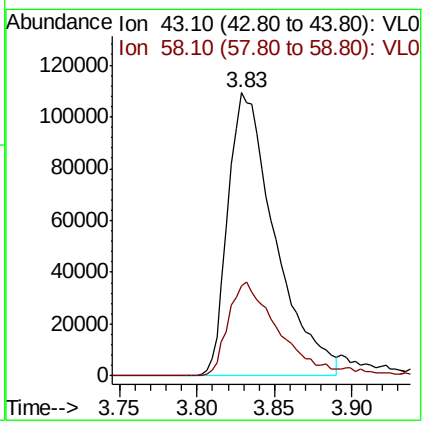


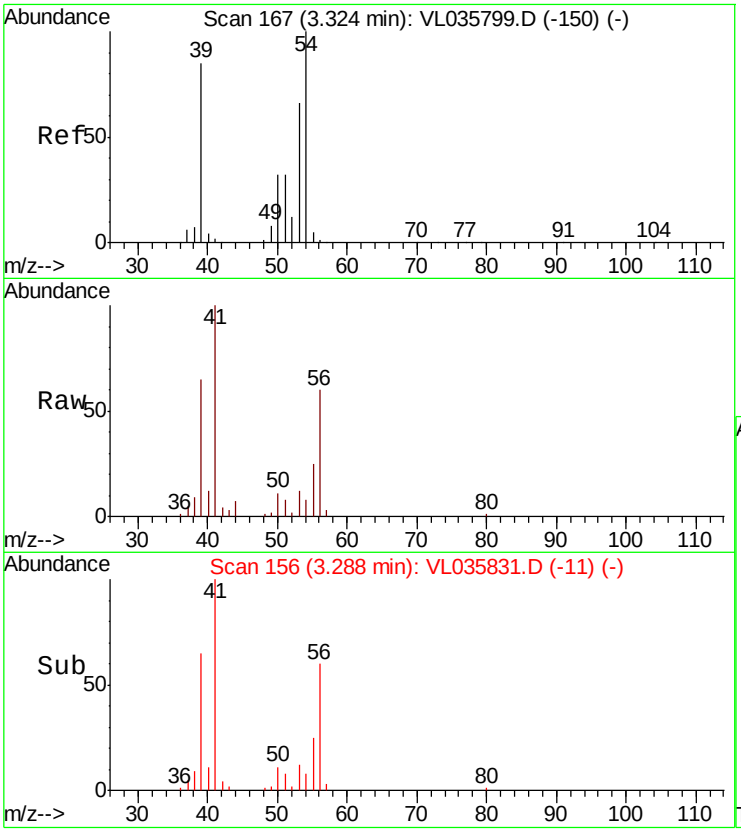


#15
Acetone
Concen: 2.125 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.02 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Tgt Ion: 43 Resp: 230957

Ion	Ratio	Lower	Upper
43	100		
58	37.1	27.5	41.3



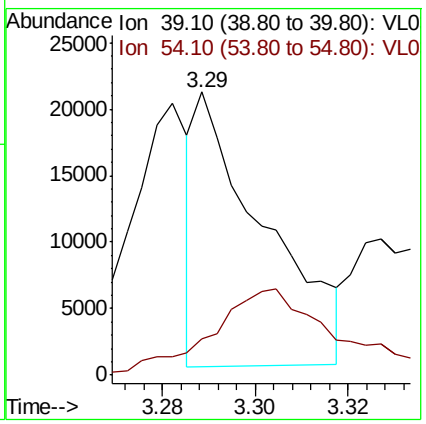


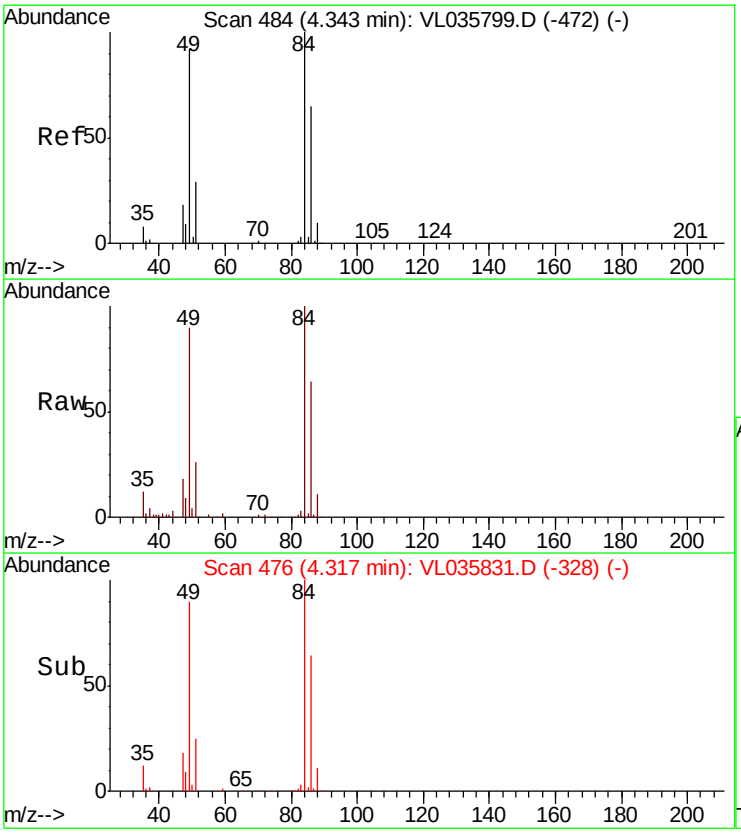
#16
1,3-Butadiene
Concen: 0.455 ppbv
RT: 3.29 min Scan# 156
Delta R.T. -0.04 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 21296

Ion	Ratio	Lower	Upper
39	100		
54	61.8	87.1	130.7#

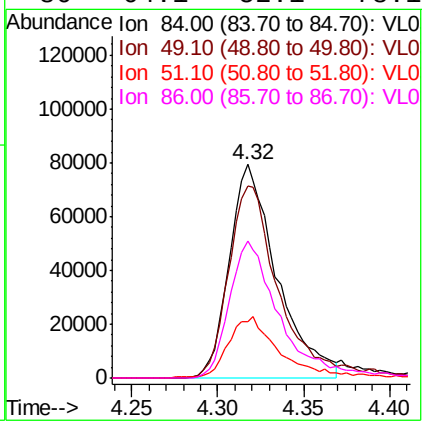


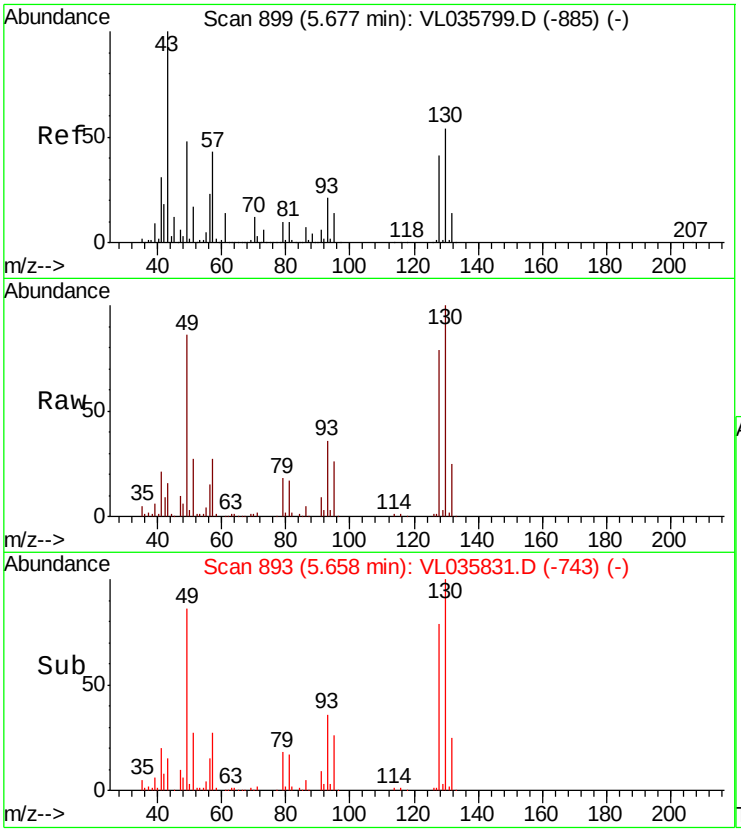


#20
Methylene Chloride
Concen: 1.999 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.03 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Tgt Ion: 84 Resp: 152882

Ion	Ratio	Lower	Upper
84	100		
49	89.7	73.8	110.8
51	25.8	23.0	34.4
86	64.1	52.1	78.1



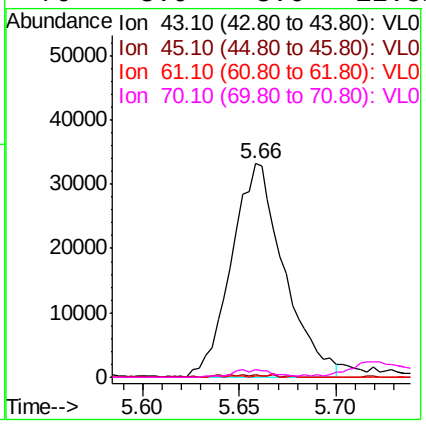


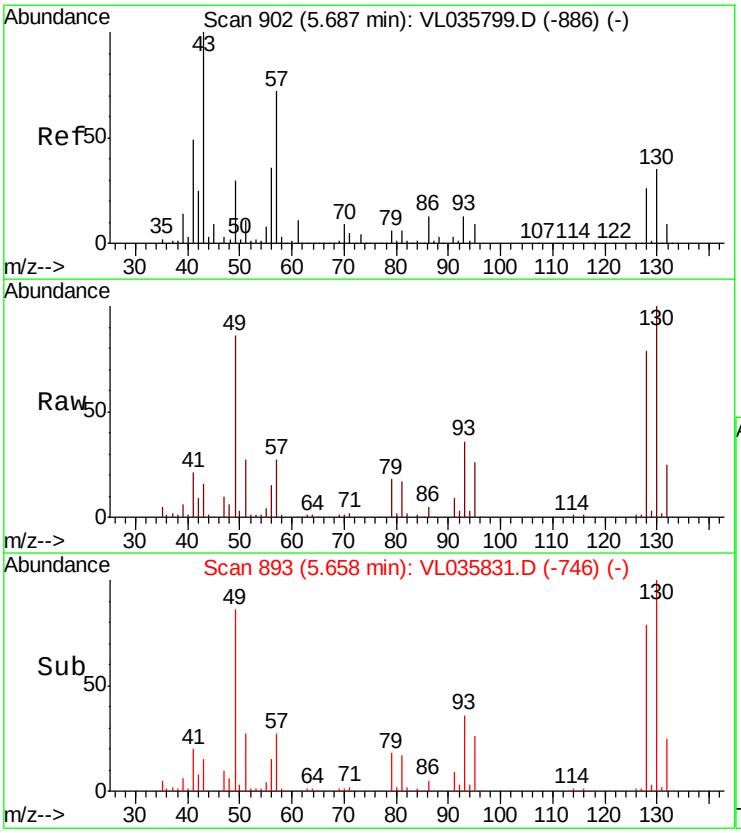
#25
Ethyl Acetate
Concen: 0.293 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 62696

Ion	Ratio	Lower	Upper
43	100		
45	1.1	8.5	12.7#
61	0.8	10.7	16.1#
70	3.0	8.6	12.8#

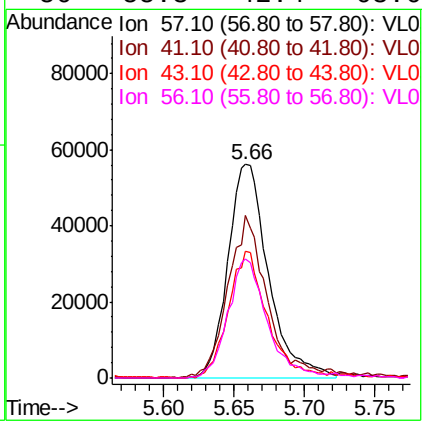


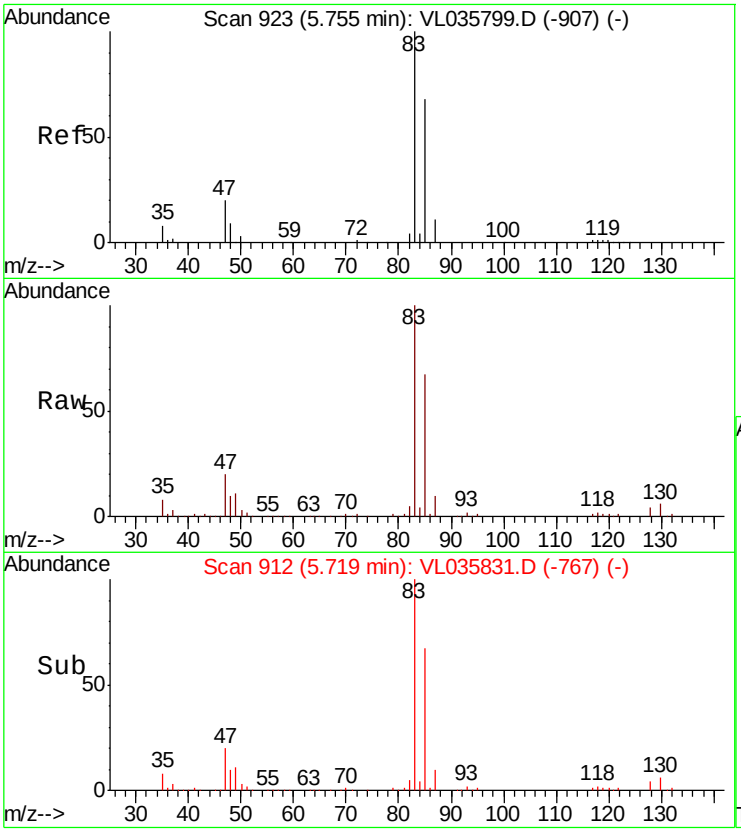


#26
Hexane
Concen: 0.959 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Tgt Ion: 57 Resp: 113188

Ion	Ratio	Lower	Upper
57	100		
41	78.5	58.9	88.3
43	58.9	150.2	225.2#
56	55.3	42.4	63.6



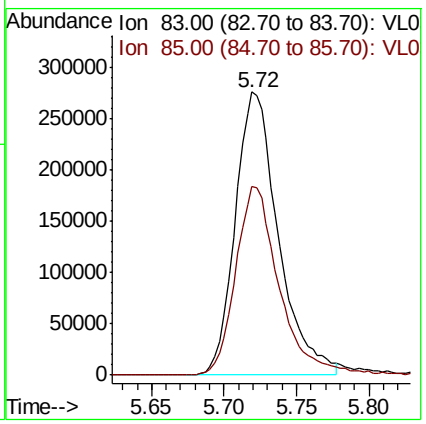


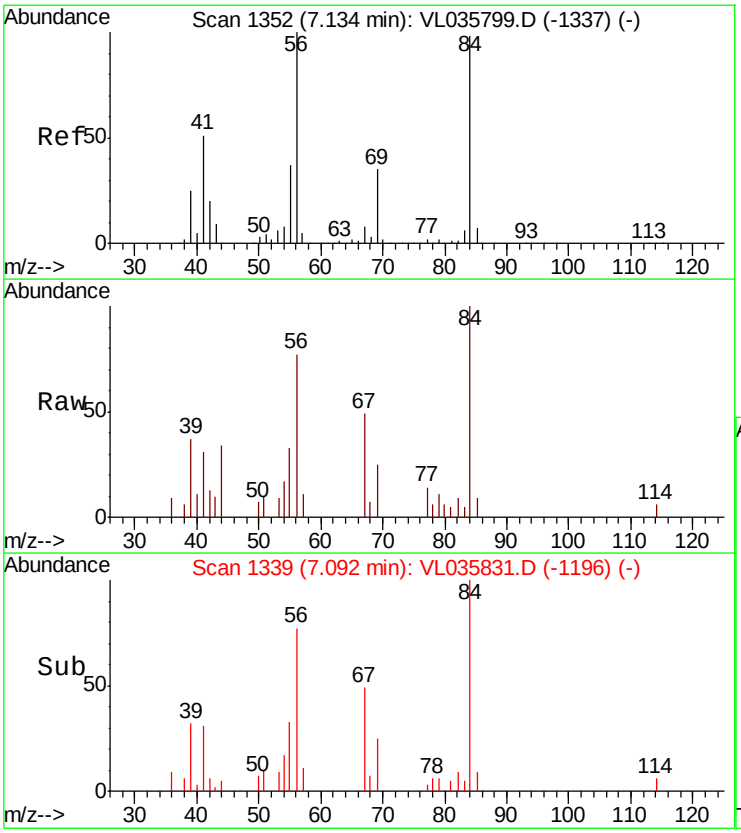
#29
Chloroform
Concen: 2.454 ppbv
RT: 5.72 min Scan# 912
Delta R.T. -0.04 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 569473

Ion	Ratio	Lower	Upper
83	100		
85	66.6	54.6	81.8

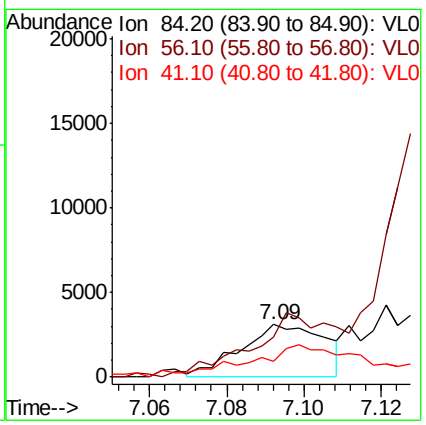


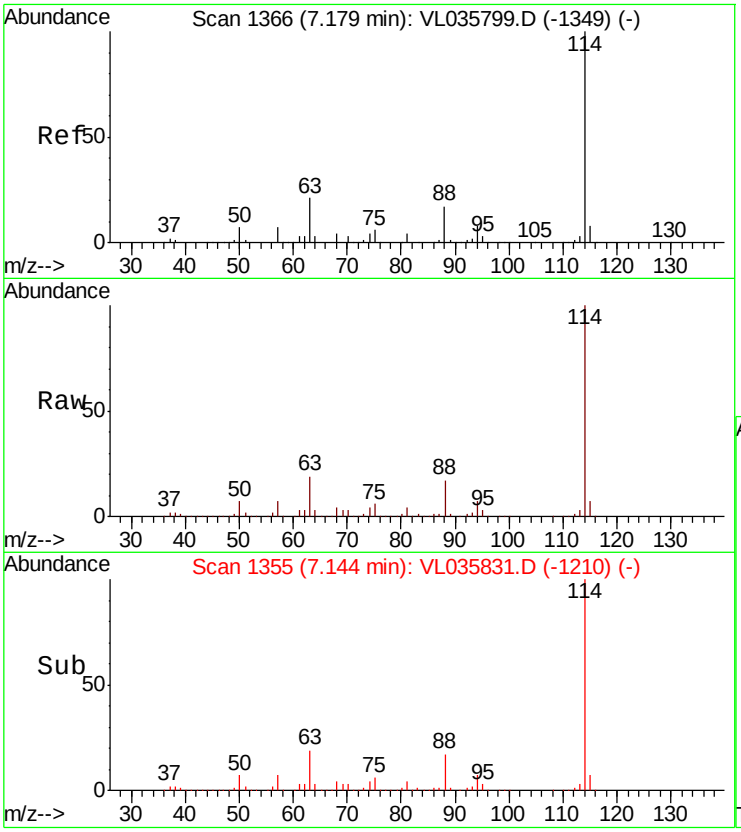


#30
Cyclohexane
Concen: 0.036 ppbv
RT: 7.09 min Scan# 1339
Delta R.T. -0.04 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Tgt Ion: 84 Resp: 4670

Ion	Ratio	Lower	Upper
84	100		
56	0.0	86.4	129.6#
41	105.0	42.1	63.1#



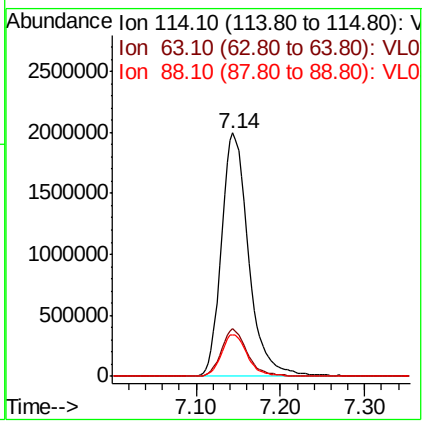


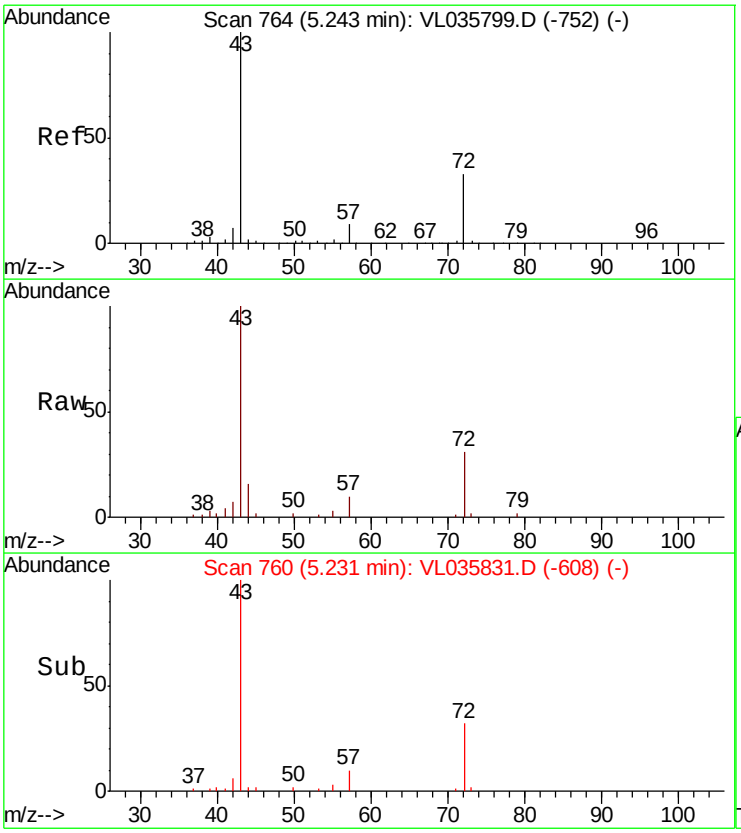
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.04 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 4475547

Ion	Ratio	Lower	Upper
114	100		
63	18.7	16.1	24.1
88	16.7	13.7	20.5

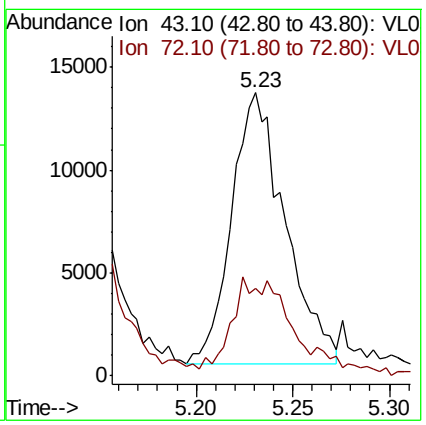


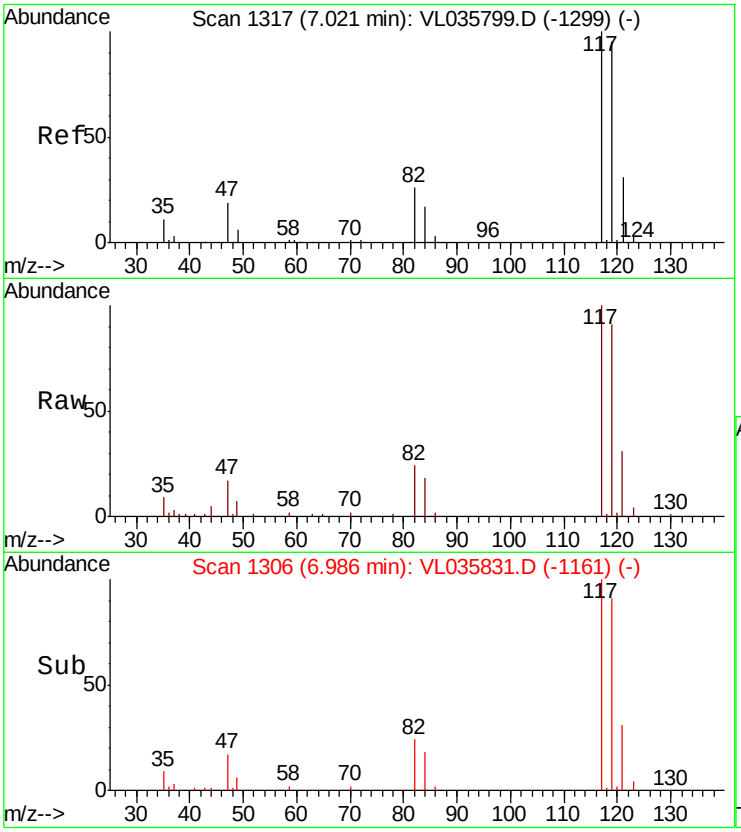


#34
2-Butanone
Concen: 0.174 ppbv
RT: 5.23 min Scan# 760
Delta R.T. -0.01 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Tgt Ion: 43 Resp: 25343

Ion	Ratio	Lower	Upper
43	100		
72	43.4	26.5	39.7#



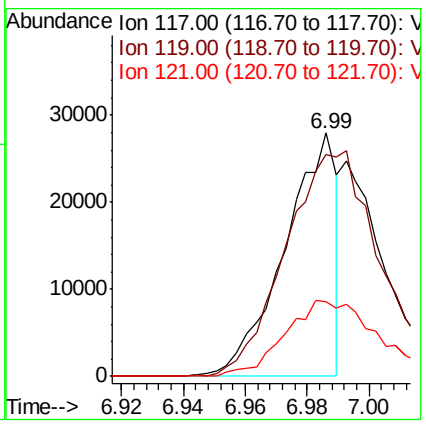


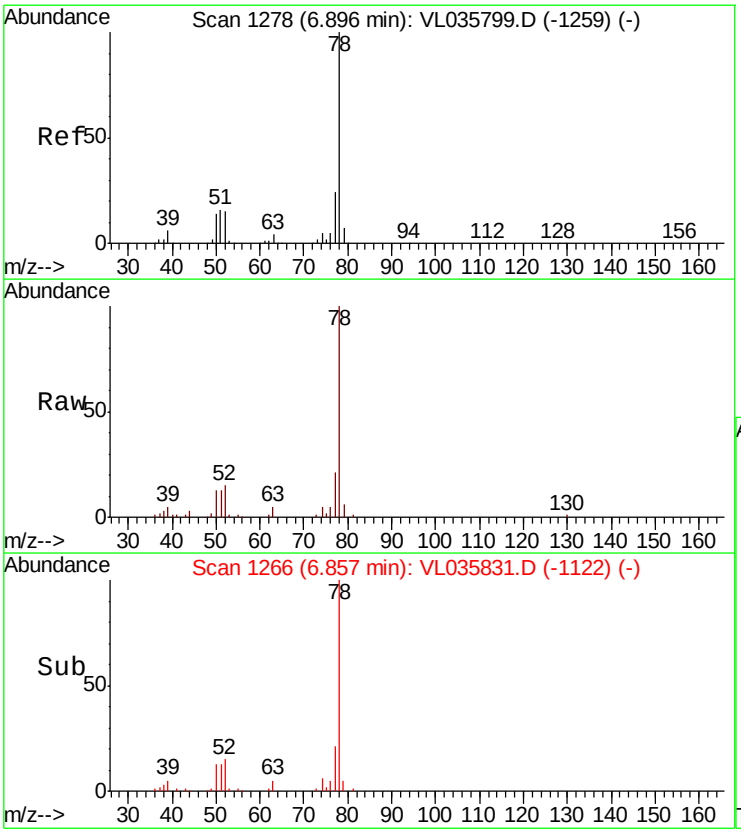
#35
Carbon Tetrachloride
Concen: 0.136 ppbv
RT: 6.99 min Scan# 1306
Delta R.T. -0.04 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 32610

Ion	Ratio	Lower	Upper
117	100		
119	91.2	75.6	113.4
121	30.6	25.1	37.7

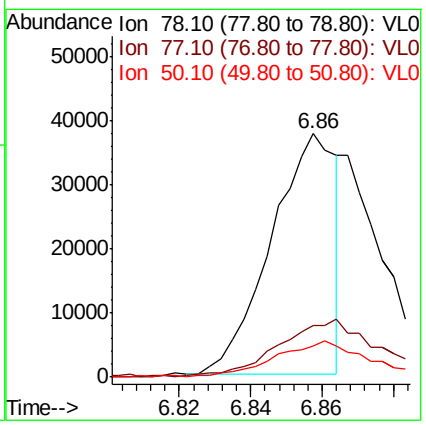


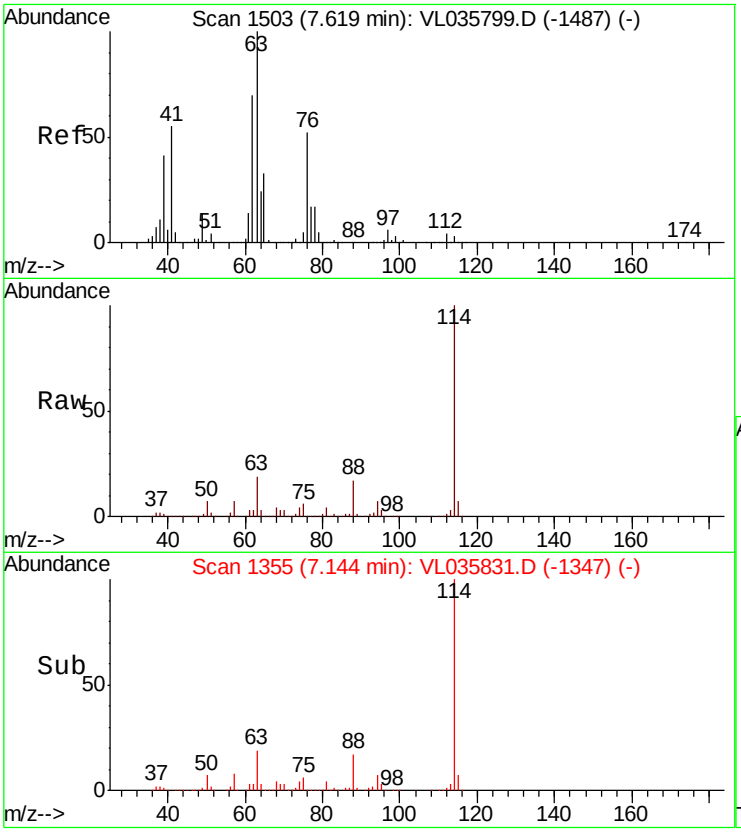


#36
Benzene
Concen: 0.142 ppbv
RT: 6.86 min Scan# 1266
Delta R.T. -0.04 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Tgt Ion: 78 Resp: 47265

Ion	Ratio	Lower	Upper
78	100		
77	20.5	19.3	28.9
50	13.0	11.4	17.2



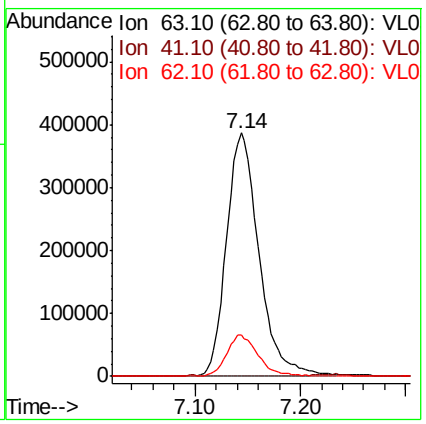


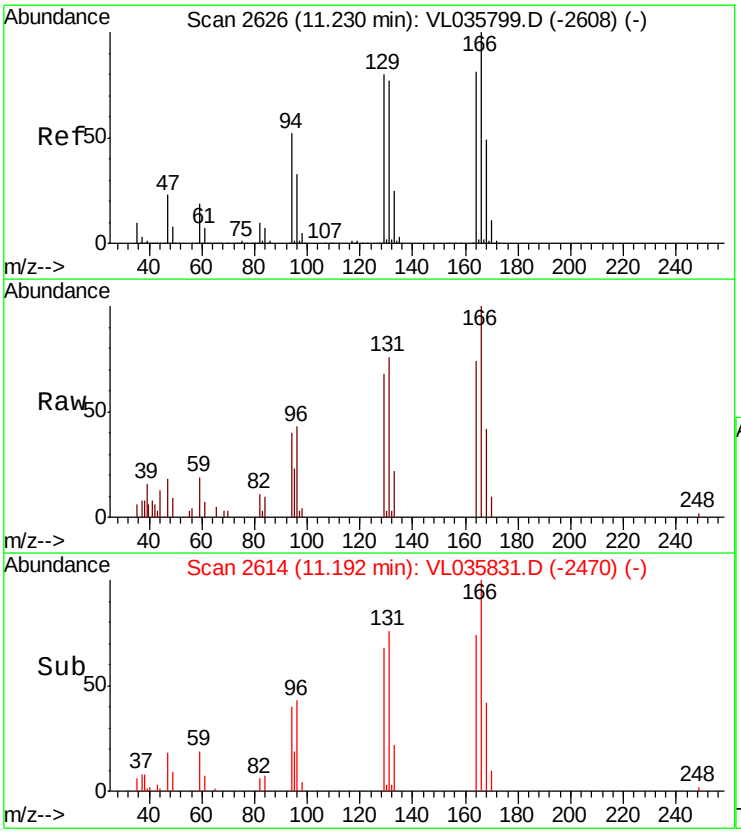
#39
1,2-Dichloropropane
Concen: 7.389 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.48 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 827692

Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	16.8	56.2	84.2#

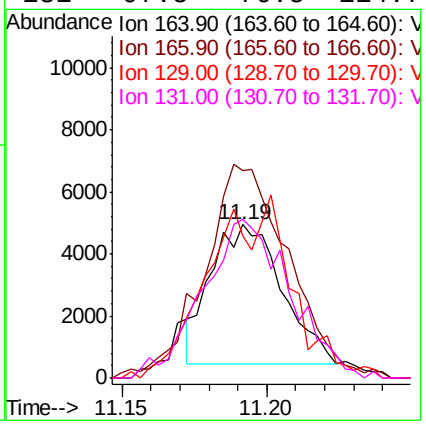


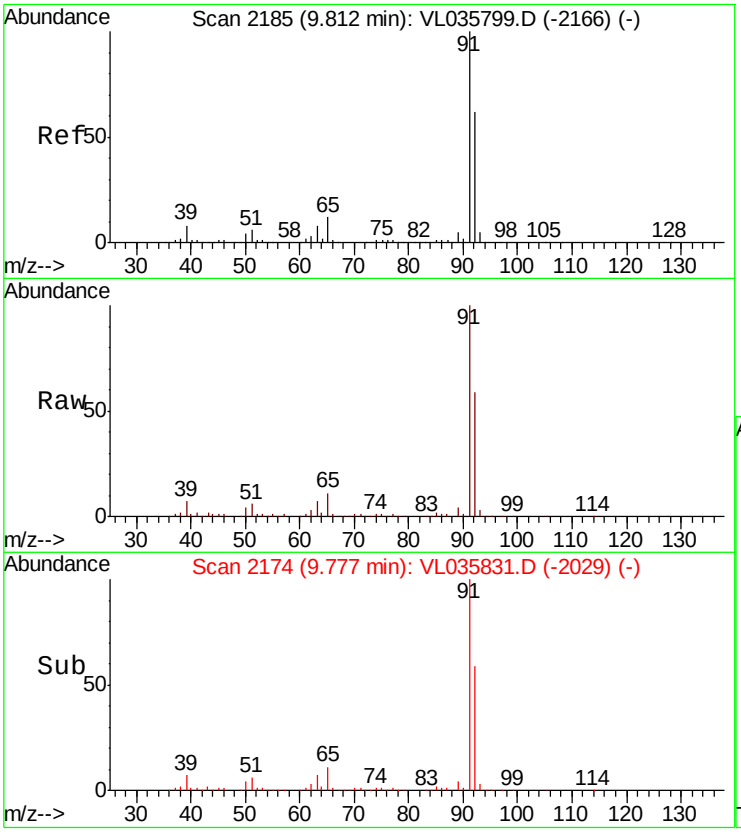


#52
Tetrachloroethene
Concen: 0.048 ppbv
RT: 11.19 min Scan# 2614
Delta R.T. -0.04 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Tgt Ion:164 Resp: 7642

Ion	Ratio	Lower	Upper
164	100		
166	133.6	99.3	148.9
129	90.7	79.3	118.9
131	97.5	76.5	114.7



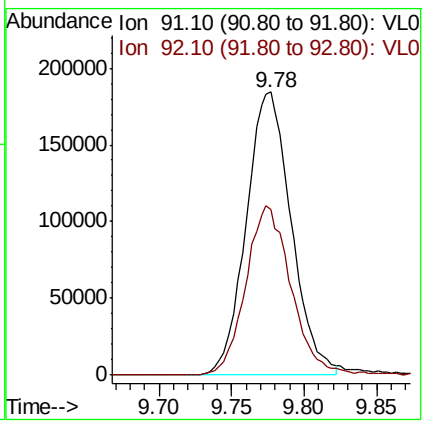


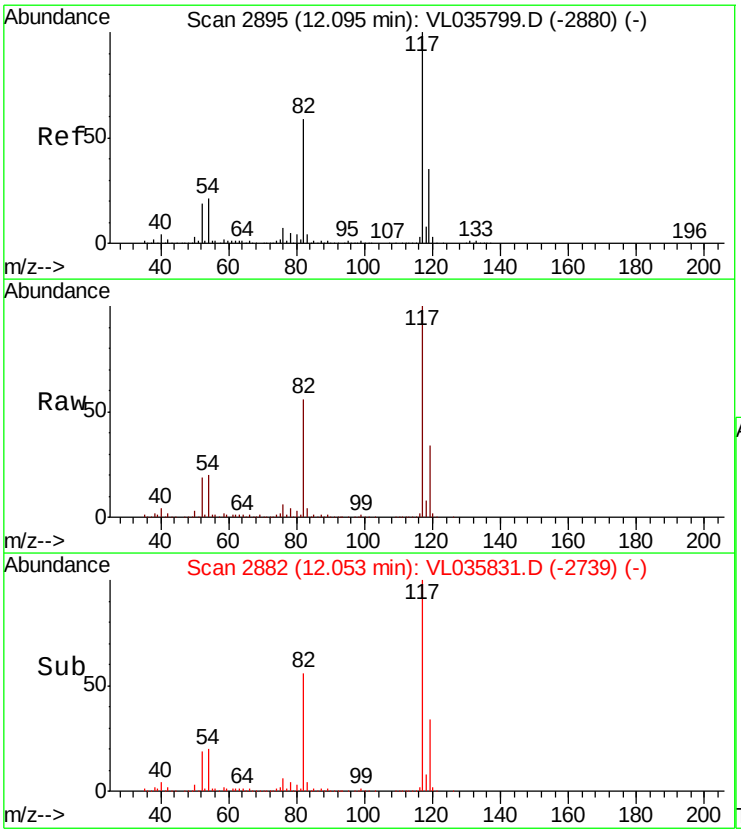
#53
Toluene
Concen: 0.992 ppbv
RT: 9.78 min Scan# 2174
Delta R.T. -0.04 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 398383

Ion	Ratio	Lower	Upper
91	100		
92	61.0	49.8	74.6

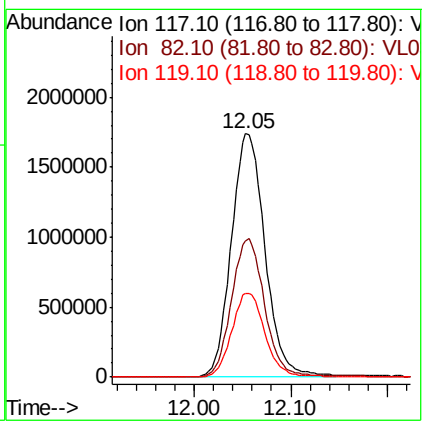


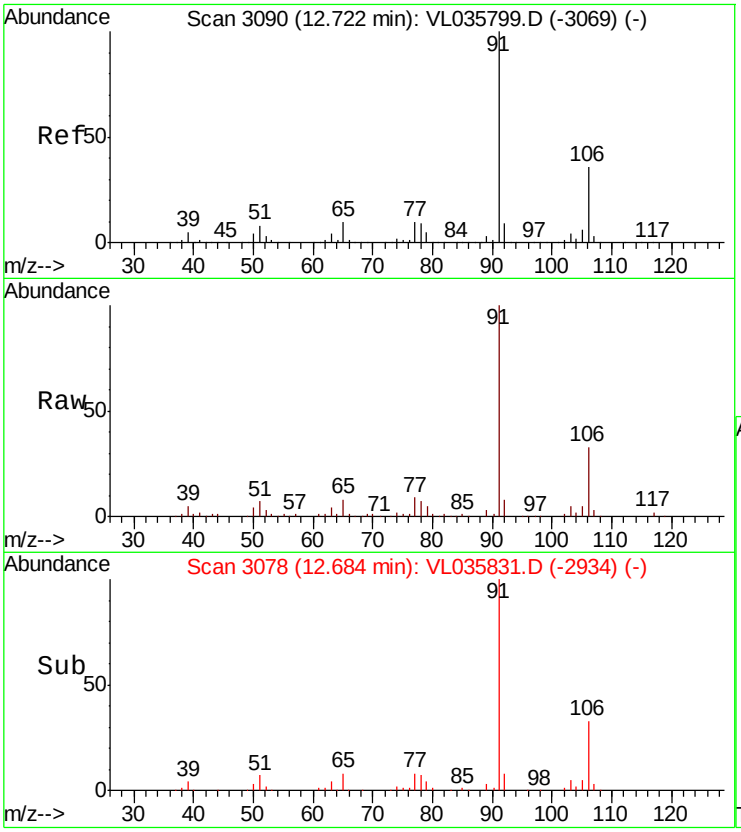


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2882
Delta R.T. -0.04 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Tgt Ion:117 Resp: 4211281

Ion	Ratio	Lower	Upper
117	100		
82	56.9	50.6	76.0
119	34.1	52.6	78.8#



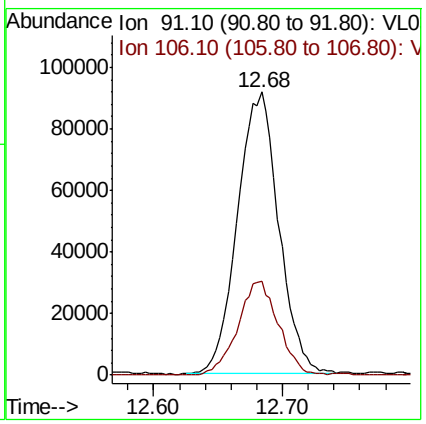


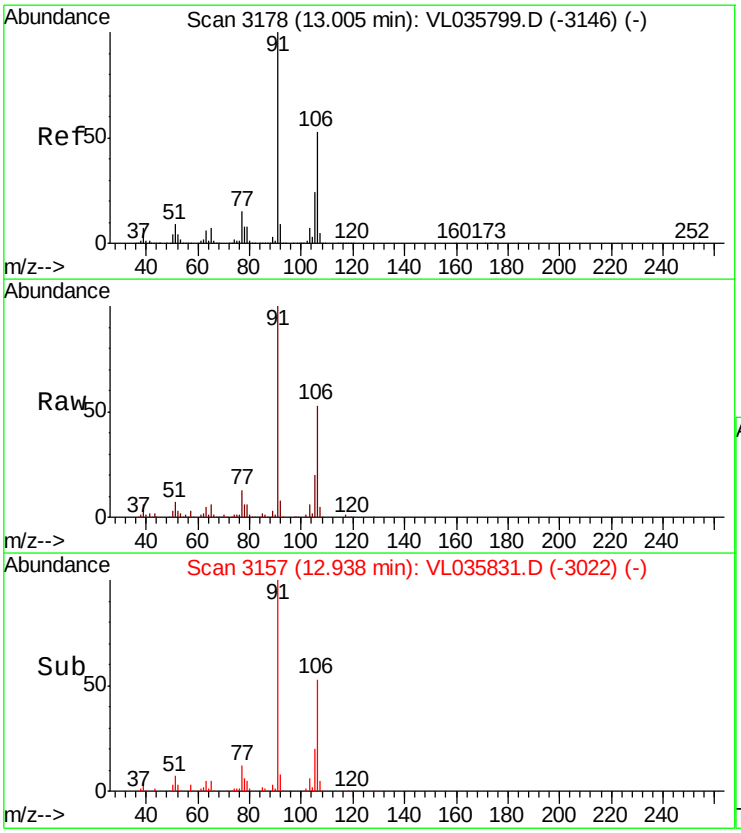
#58
Ethyl Benzene
Concen: 0.396 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.04 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 203339

Ion	Ratio	Lower	Upper
91	100		
106	33.3	28.6	43.0

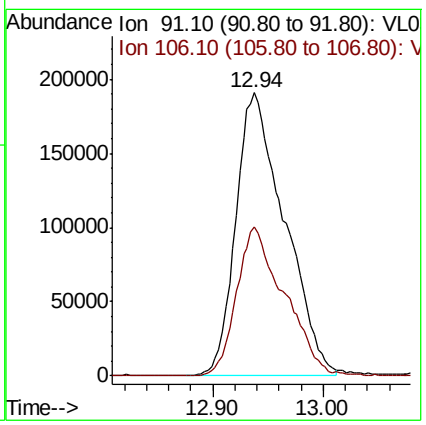


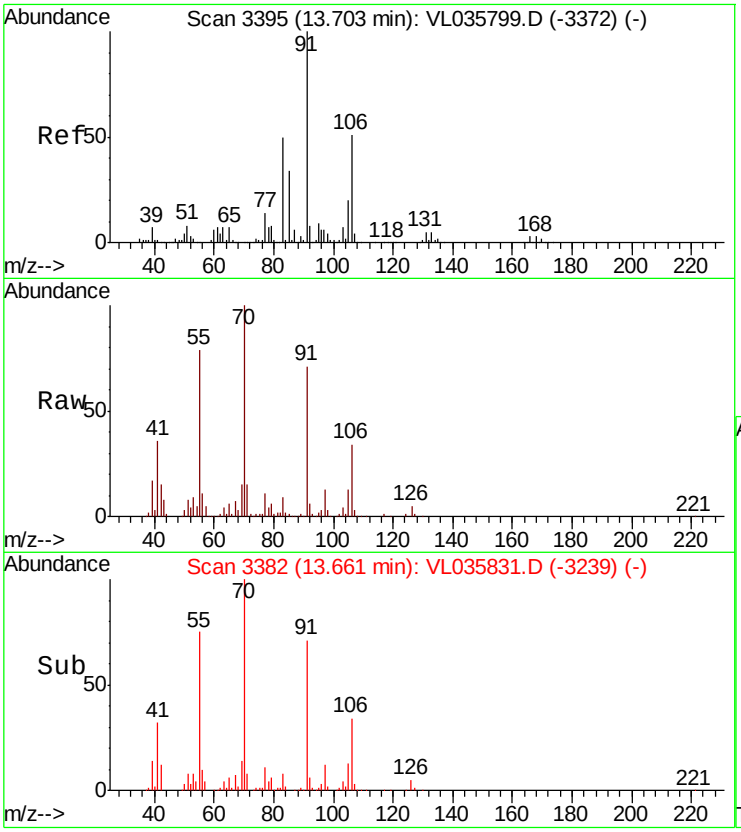


#59
m/p-Xylene
Concen: 1.340 ppbv
RT: 12.94 min Scan# 3157
Delta R.T. -0.07 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Tgt Ion: 91 Resp: 581659

Ion	Ratio	Lower	Upper
91	100		
106	52.0	39.5	59.3



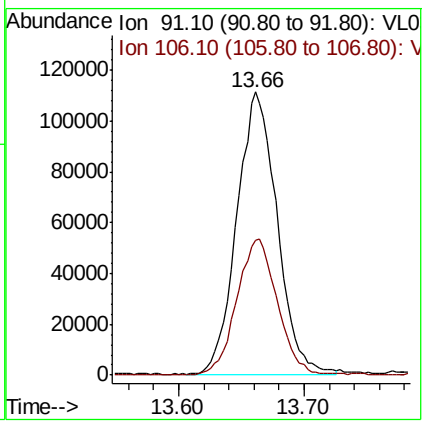


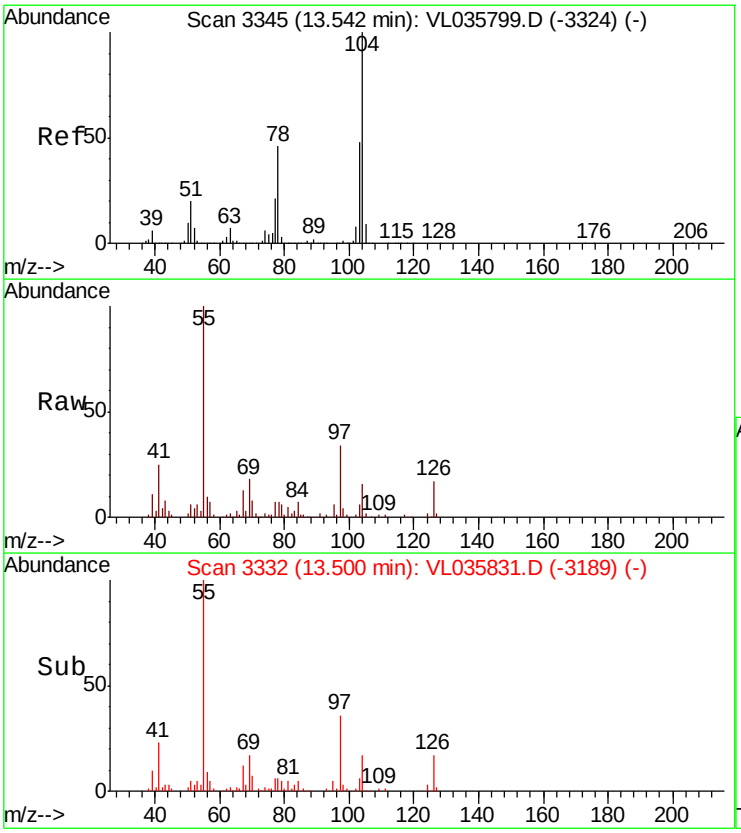
#60
o-Xylene
Concen: 0.585 ppbv
RT: 13.66 min Scan# 3382
Delta R.T. -0.04 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 246825

Ion	Ratio	Lower	Upper
91	100		
106	49.2	24.8	74.4

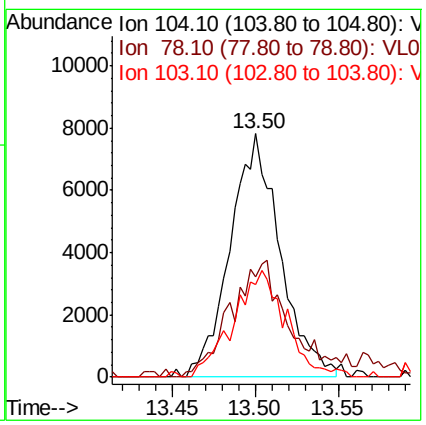


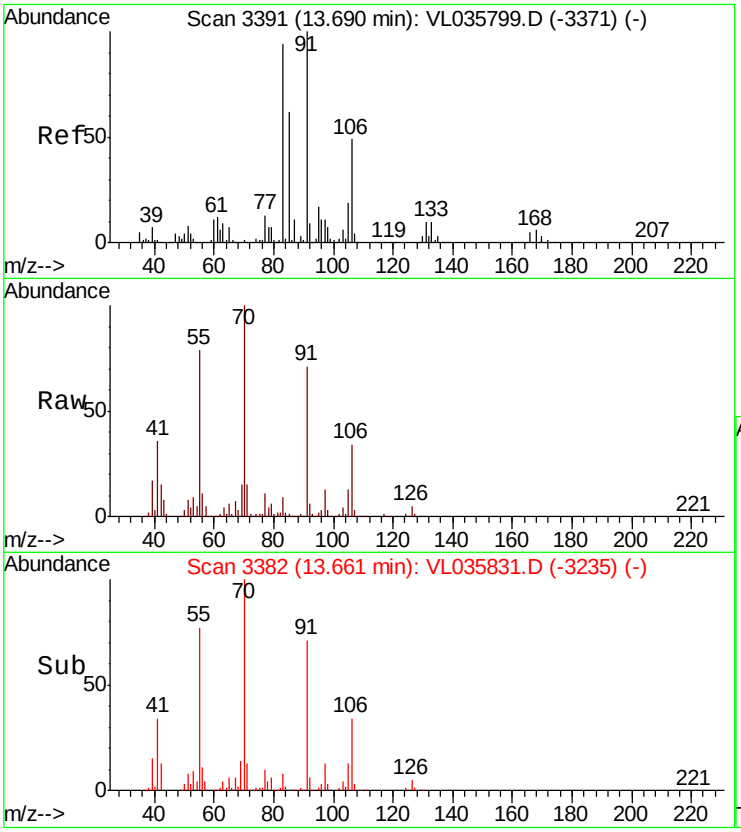


#61
Styrene
Concen: 0.053 ppbv
RT: 13.50 min Scan# 3332
Delta R.T. -0.04 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Tgt Ion:104 Resp: 16336

Ion	Ratio	Lower	Upper
104	100		
78	63.9	37.1	55.7#
103	47.1	37.9	56.9



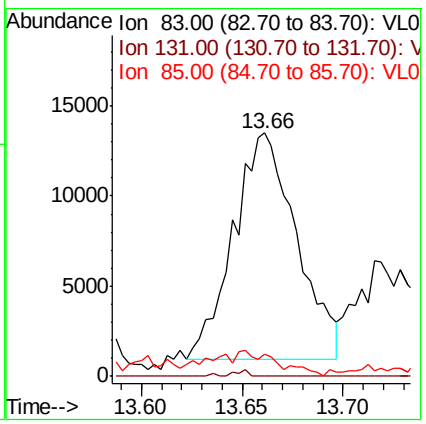


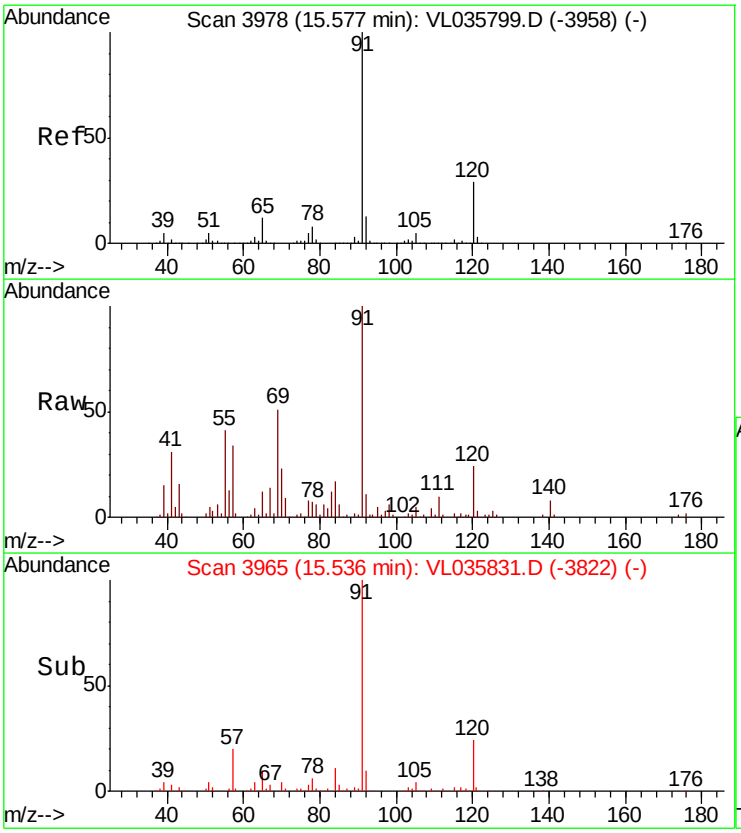
#63
1,1,2,2-Tetrachloroethane
Concen: 0.084 ppbv
RT: 13.66 min Scan# 3382
Delta R.T. -0.03 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 27499

Ion	Ratio	Lower	Upper
83	100		
131	0.7	5.3	15.8#
85	10.2	33.5	100.4#

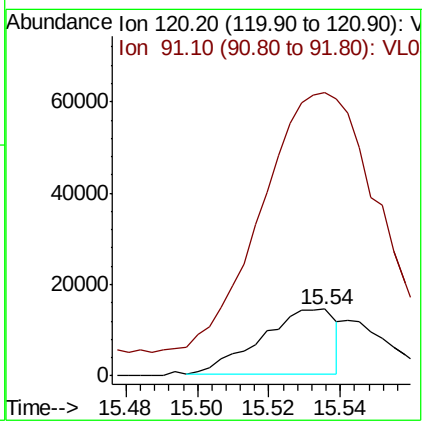


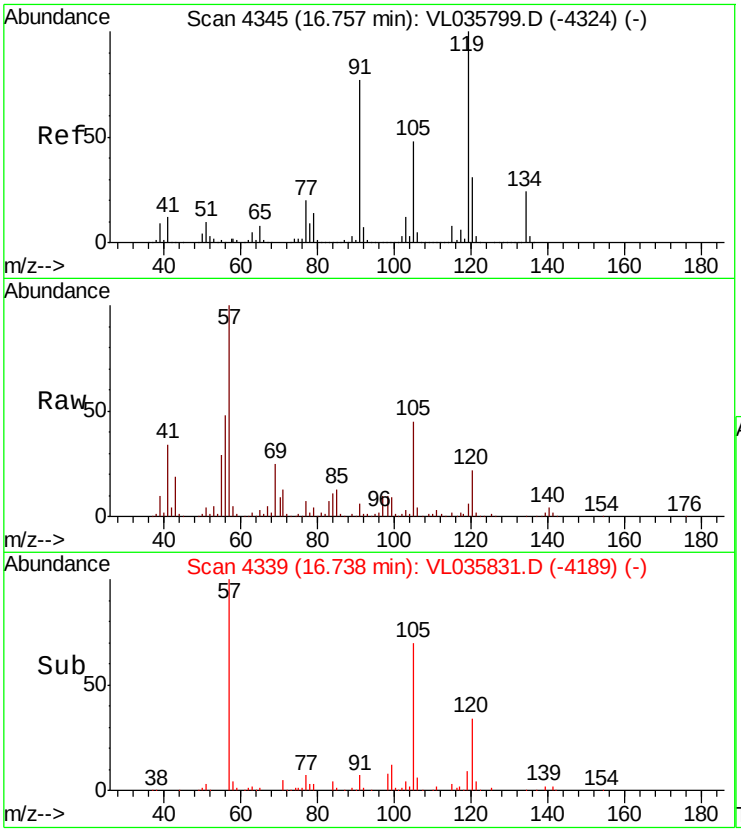


#64
n-propylbenzene
Concen: 0.107 ppbv
RT: 15.54 min Scan# 3965
Delta R.T. -0.04 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Tgt Ion:120 Resp: 20544

Ion	Ratio	Lower	Upper
120	100		
91	786.1	311.1	466.7#



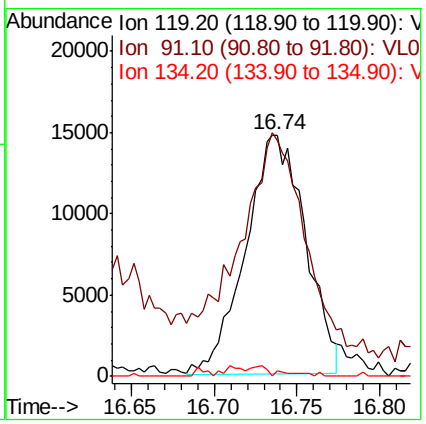


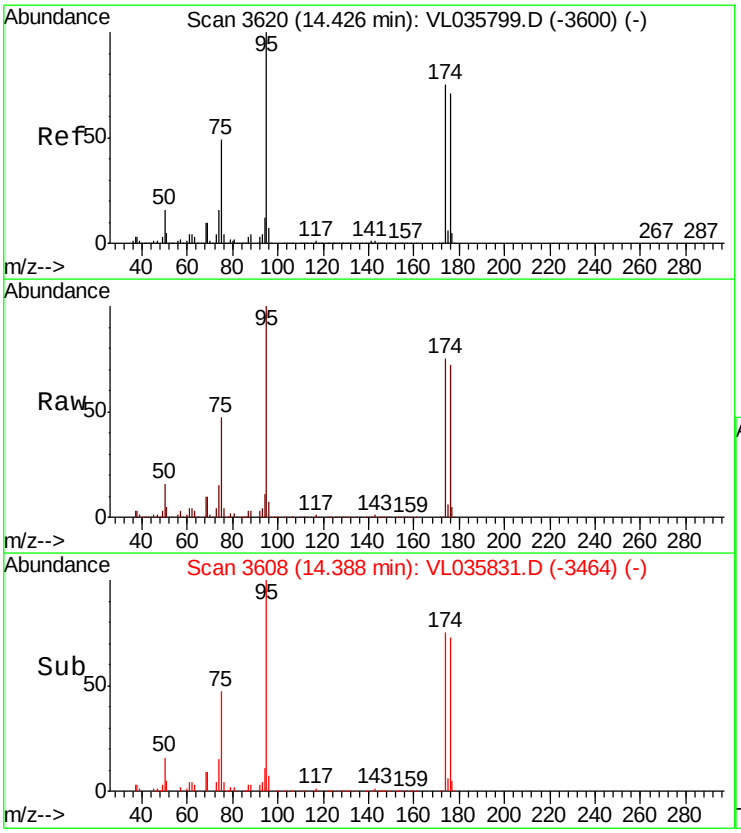
#65
tert-Butylbenzene
Concen: 0.061 ppbv
RT: 16.74 min Scan# 4339
Delta R.T. -0.02 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 37111

Ion	Ratio	Lower	Upper
119	100		
91	115.4	62.0	93.0#
134	4.0	17.8	26.8#

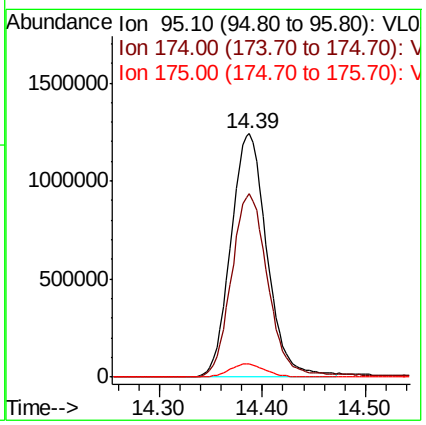


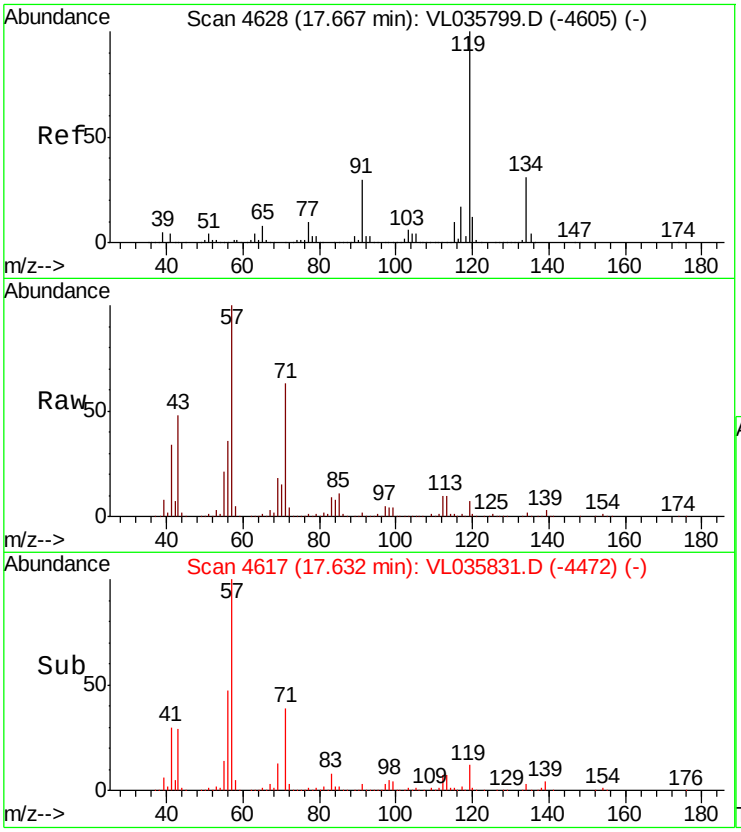


#68
1-Bromo-4-Fluorobenzene
Concen: 10.086 ppbv
RT: 14.39 min Scan# 3608
Delta R.T. -0.04 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Tgt Ion: 95 Resp: 3017900

Ion	Ratio	Lower	Upper
95	100		
174	78.1	59.8	89.6
175	5.6	4.3	6.5



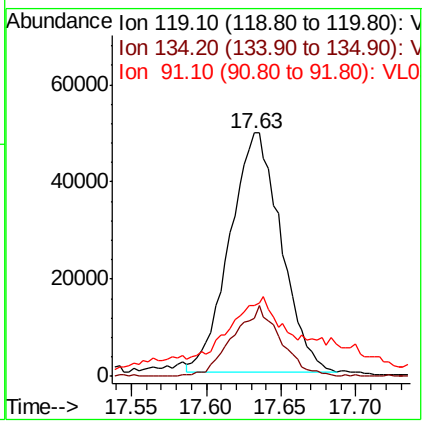


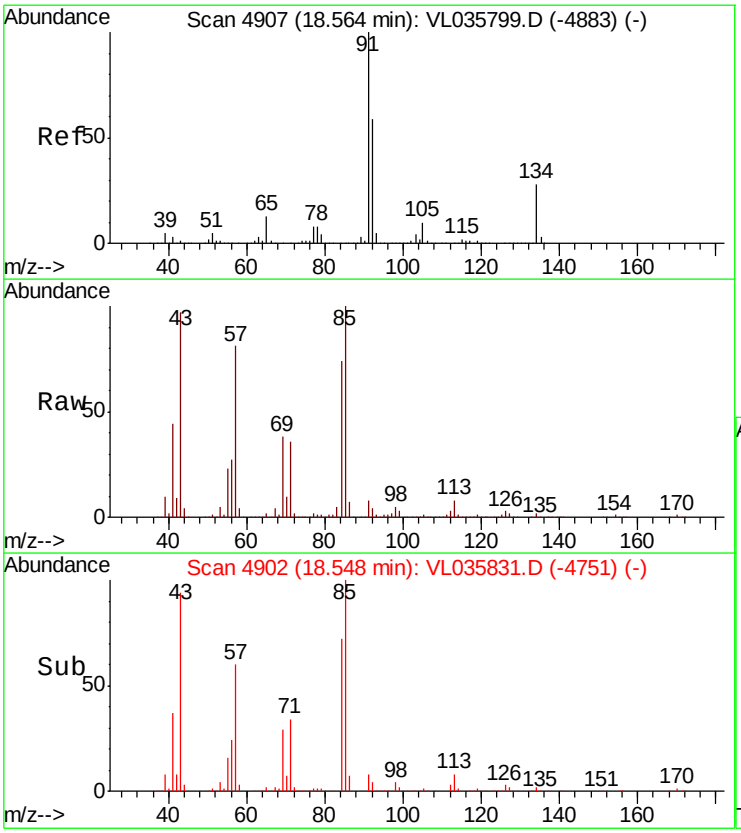
#69
p-Isopropyltoluene
Concen: 0.174 ppbv
RT: 17.63 min Scan# 4617
Delta R.T. -0.04 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 117134

Ion	Ratio	Lower	Upper
119	100		
134	27.5	23.0	34.6
91	45.6	22.8	34.2#

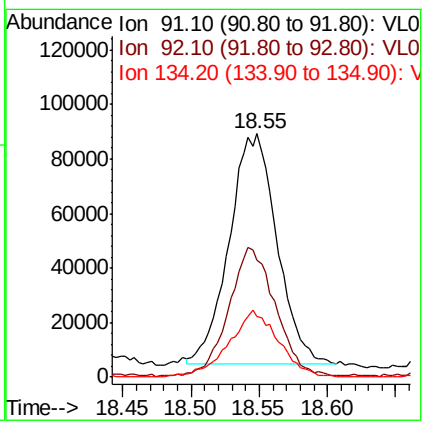


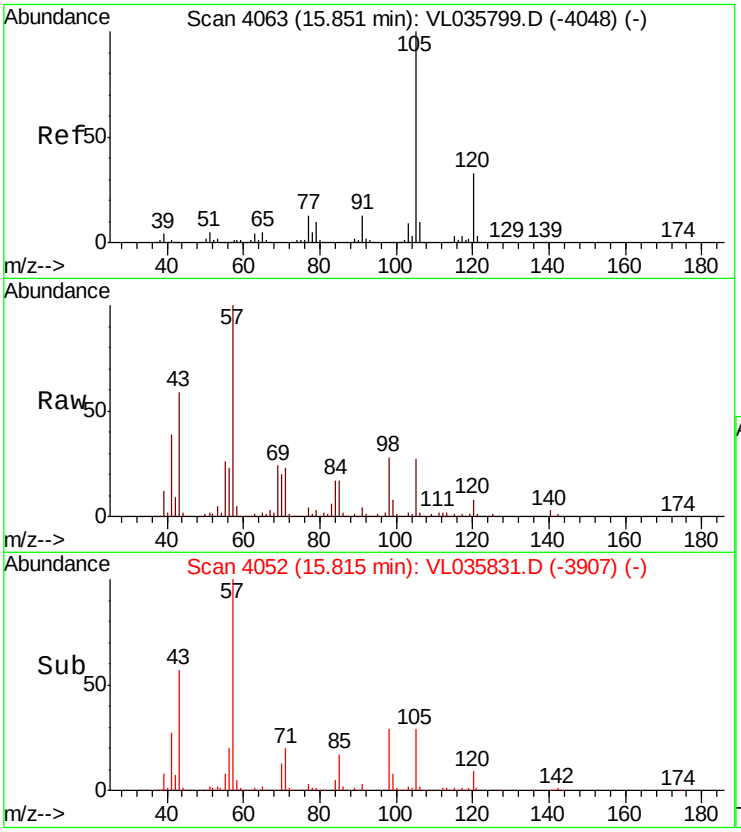


#70
n-Butylbenzene
Concen: 0.319 ppbv
RT: 18.55 min Scan# 4902
Delta R.T. -0.02 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Tgt Ion: 91 Resp: 206161

Ion	Ratio	Lower	Upper
91	100		
92	54.3	45.7	68.5
134	30.0	21.0	31.4



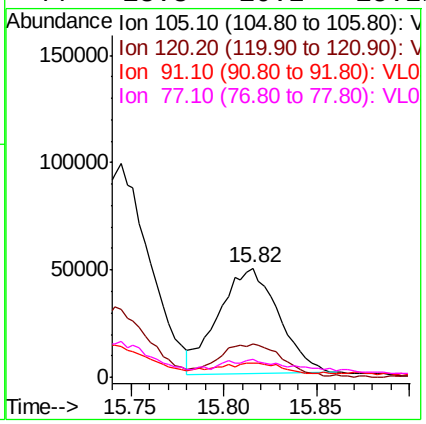


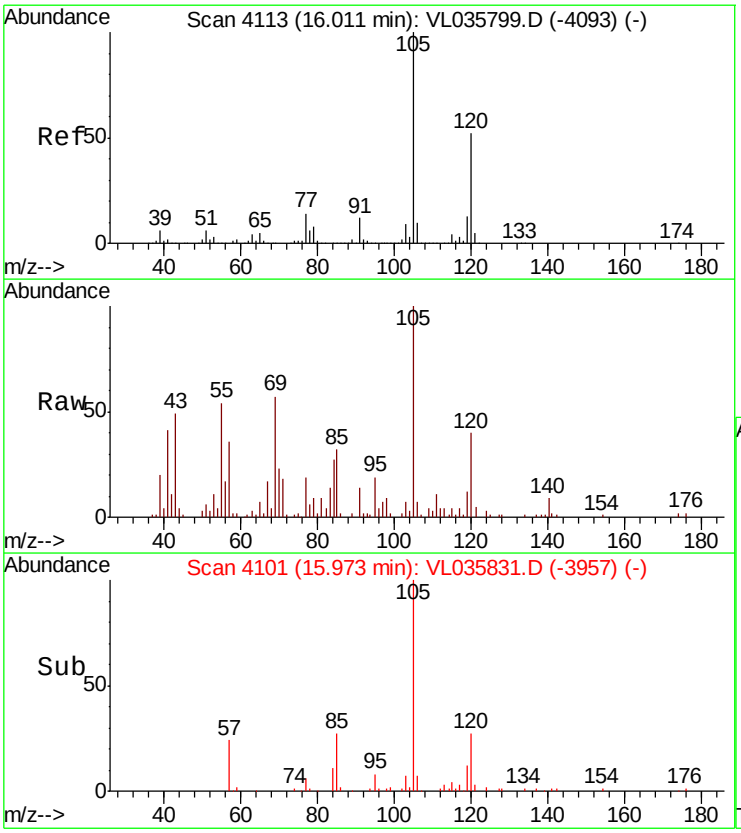
#72
4-Ethyltoluene
Concen: 0.215 ppbv
RT: 15.82 min Scan# 4052
Delta R.T. -0.04 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 110017

Ion	Ratio	Lower	Upper
105	100		
120	34.0	25.9	38.9
91	12.2	9.9	14.9
77	18.3	10.2	15.2#

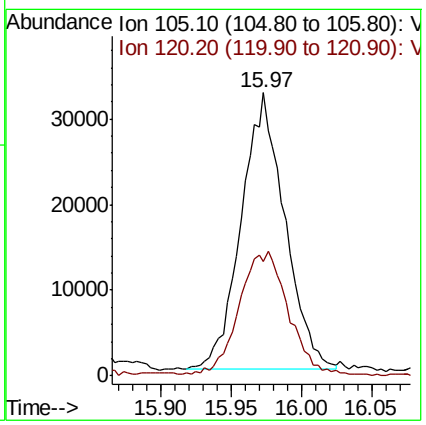


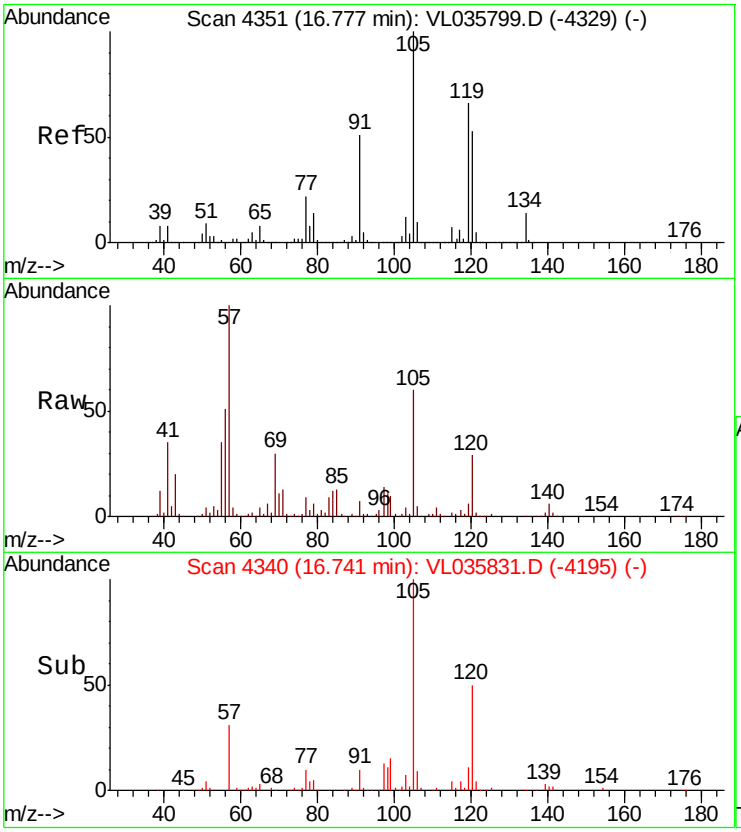


#73
1,3,5-Trimethylbenzene
Concen: 0.150 ppbv
RT: 15.97 min Scan# 4101
Delta R.T. -0.04 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Tgt Ion:105 Resp: 70167

Ion	Ratio	Lower	Upper
105	100		
120	40.3	41.4	62.2#



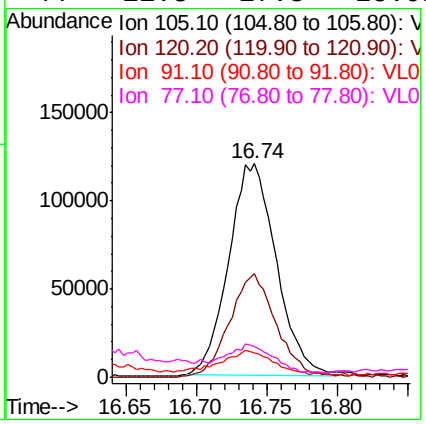


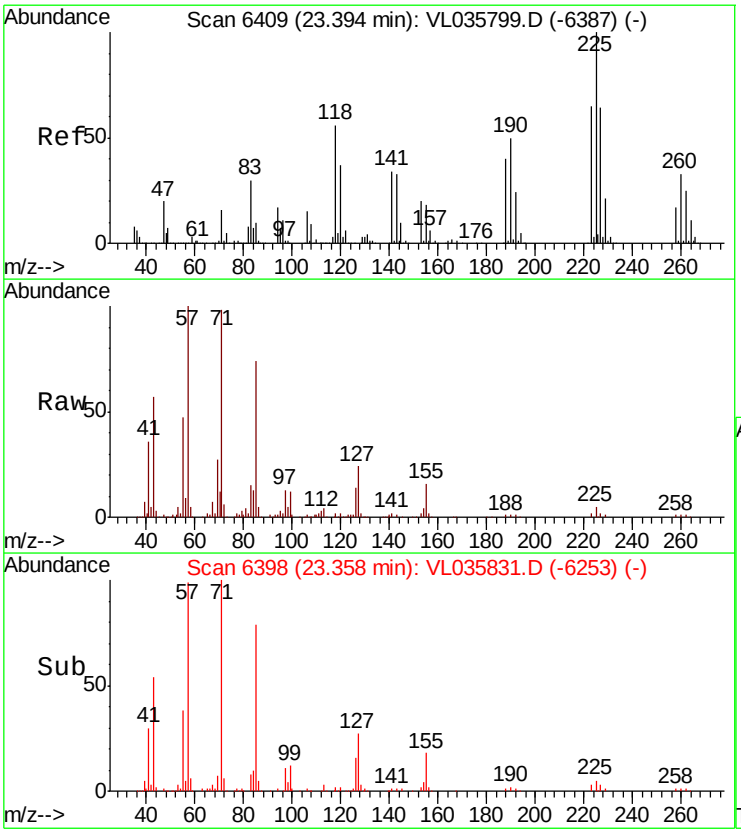
#74
1,2,4-Trimethylbenzene
Concen: 0.565 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. -0.04 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 283705

Ion	Ratio	Lower	Upper
105	100		
120	48.4	42.0	63.0
91	10.5	41.0	61.6#
77	11.8	17.3	25.9#

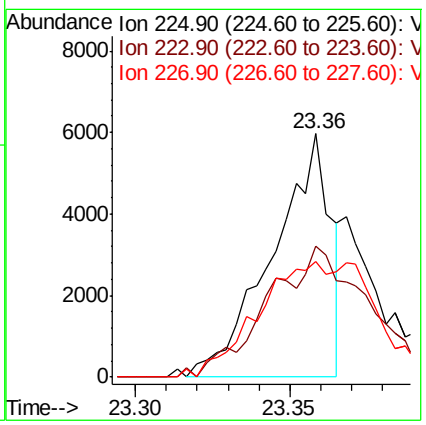


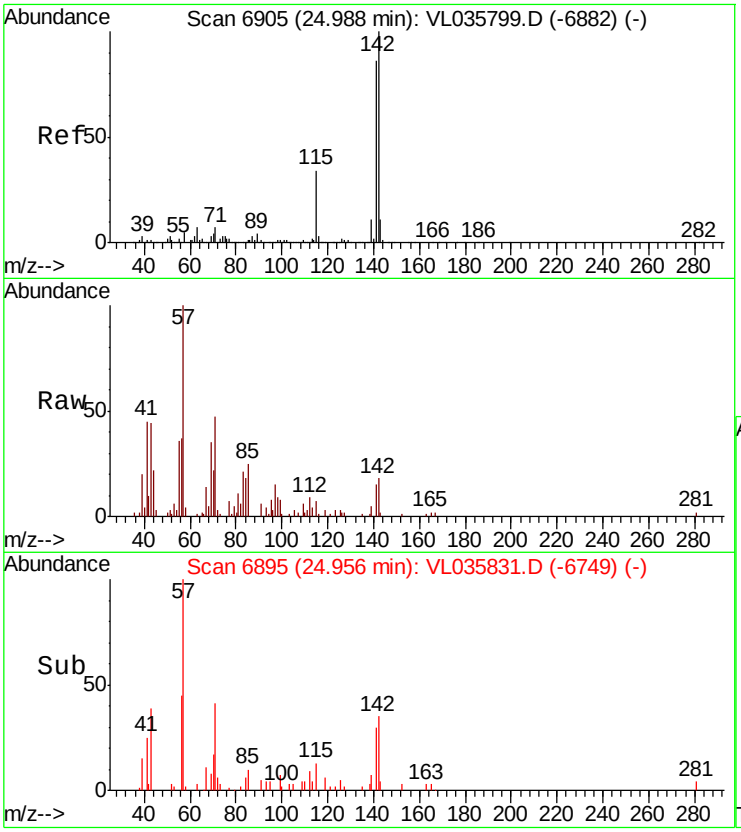


#78
Hexachloro-1,3-Butadiene
Concen: 0.054 ppbv
RT: 23.36 min Scan# 6398
Delta R.T. -0.04 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Tgt Ion:225 Resp: 7782

Ion	Ratio	Lower	Upper
225	100		
223	92.7	51.0	76.6#
227	95.2	51.2	76.8#





#80
Naphthalene,2-methyl-
Concen: 0.126 ppbv
RT: 24.96 min Scan# 6895
Delta R.T. -0.03 min
Lab File: VL035831.D
Acq: 4 Nov 2020 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 7208

Ion	Ratio	Lower	Upper
142	100		
141	107.5	67.8	101.8#
115	32.1	28.1	42.1