Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080620\
Data File : VL035346.D
Acq On : 6 Aug 2020 12:22
Operator : SY/AP
Sample : L3557-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Aug 07 06:26:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 13:04:46 2020
QLast Update : Wed Aug 05 13:04:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.64	49	1269919	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	7.17	114	3167691	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.10	117	2951731	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	2540262	10.32	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.00	85	30229	0.179	ppbv		95
3) Chlorodifluoromethane	2.93	51	58556	0.404	ppbv		95
4) Chloromethane	3.09	50	54762	0.667	ppbv	#	82
7) Chloroethane	3.51	64	985	0.031	ppbv		94
9) Propene	2.96	41	15693	0.304	ppbv	#	15
10) Heptane	8.11	43	15025	0.114	ppbv	#	25
11) Trichlorofluoromethane	3.91	101	26532	0.121	ppbv		86
12) 1,1,2-Trichlorotrifluoroet	4.45	101	6207	0.040	ppbv	#	1
13) Ethanol	3.56	45	1849384	103.805	ppbv		97
15) Acetone	3.80	43	2627122	14.568	ppbv		99
19) Isopropyl Alcohol	3.93	45	358834	3.139	ppbv	#	1
20) Methylene Chloride	4.30	84	253299	3.444	ppbv		97
23) Vinyl Acetate	5.04	43	82974	0.480	ppbv	#	98
25) Ethyl Acetate	5.66	43	331028	1.208	ppbv	#	90
26) Hexane	5.66	57	305134	2.567	ppbv	#	56
27) Carbon Disulfide	4.51	76	53510	0.322	ppbv	#	85
29) Chloroform	5.73	83	11661	0.057	ppbv		93
34) 2-Butanone	5.22	43	164033	1.052	ppbv		97
36) Benzene	6.87	78	36809	0.172	ppbv	#	73
37) 1,2-Dichloroethane	6.29	62	10922	0.073	ppbv	#	83
38) Trichloroethene	7.83	130	3867	0.039	ppbv	#	51
39) 1,2-Dichloropropane	7.17	63	817314	9.438	ppbv	#	23
44) 2,2,4-Trimethylpentane	7.86	57	32586	0.086	ppbv	#	34
51) 2-Hexanone	10.14	43	5944	0.032	ppbv	#	28
52) Tetrachloroethene	11.23	164	4136	0.049	ppbv	#	45
53) Toluene	9.81	91	2329815	10.013	ppbv		100
58) Ethyl Benzene	12.98	91	123466	0.402	ppbv		98
59) m/p-Xylene	13.01	91	60978	0.213	ppbv	#	29
60) o-Xylene	13.70	91	76735	0.270	ppbv		94
61) Styrene	13.54	104	15996	0.092	ppbv	#	1
74) 1,2,4-Trimethylbenzene	16.79	105	85087	0.240	ppbv	#	62
79) Naphthalene	22.23	128	44892	0.164	ppbv		96
80) Naphthalene,2-methyl-	25.01	142	6902	0.111	ppbv	#	91

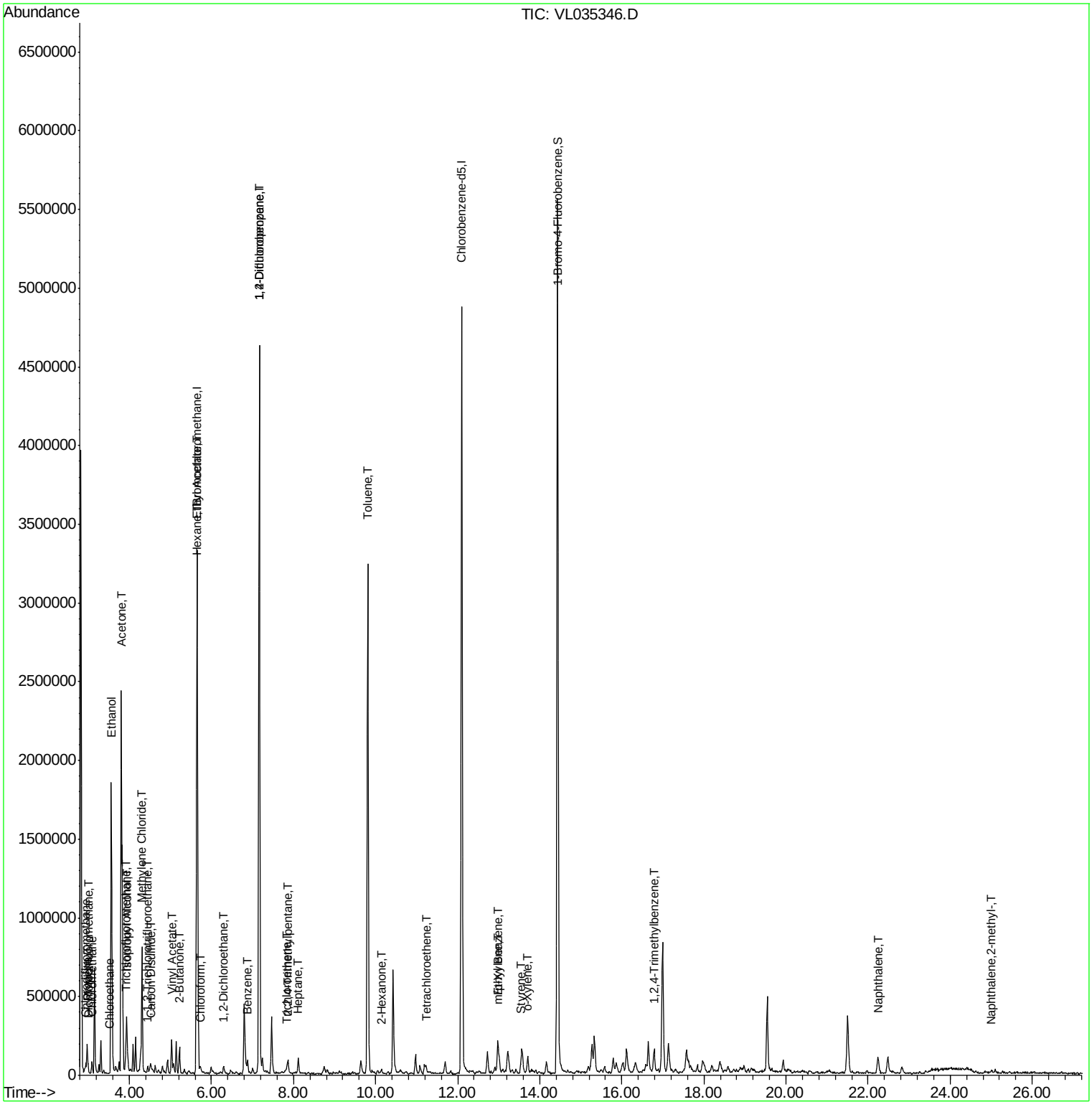
(#) = qualifier out of range (m) = manual integration (+) = signals summed

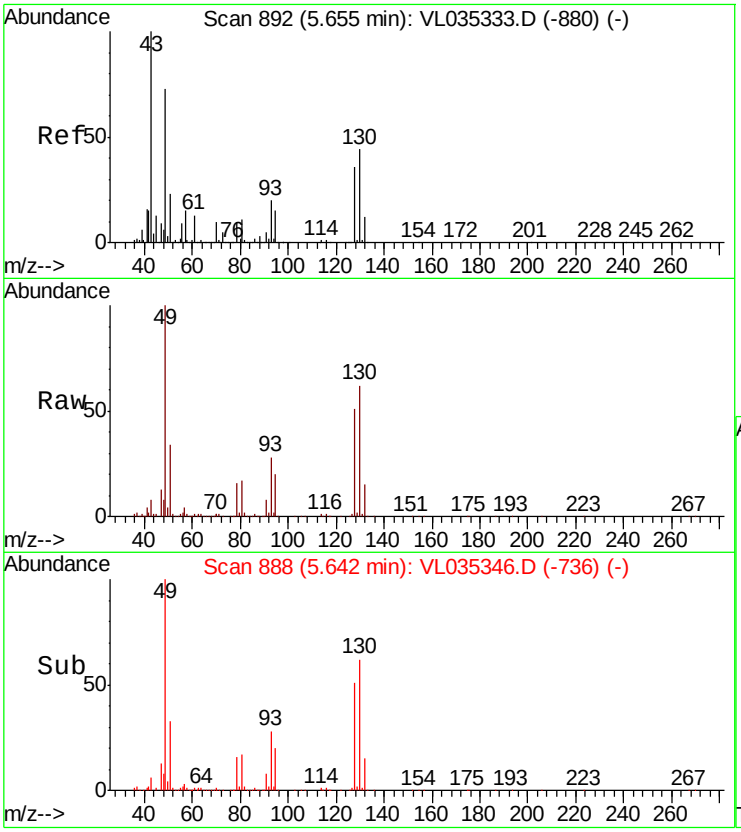
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080620\
Data File : VL035346.D
Acq On : 6 Aug 2020 12:22
Operator : SY/AP
Sample : L3557-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 07 06:26:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 13:04:46 2020
QLast Update : Wed Aug 05 13:04:46 2020
Response via : Initial Calibration



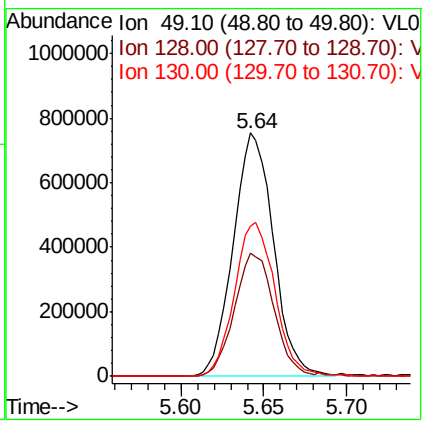


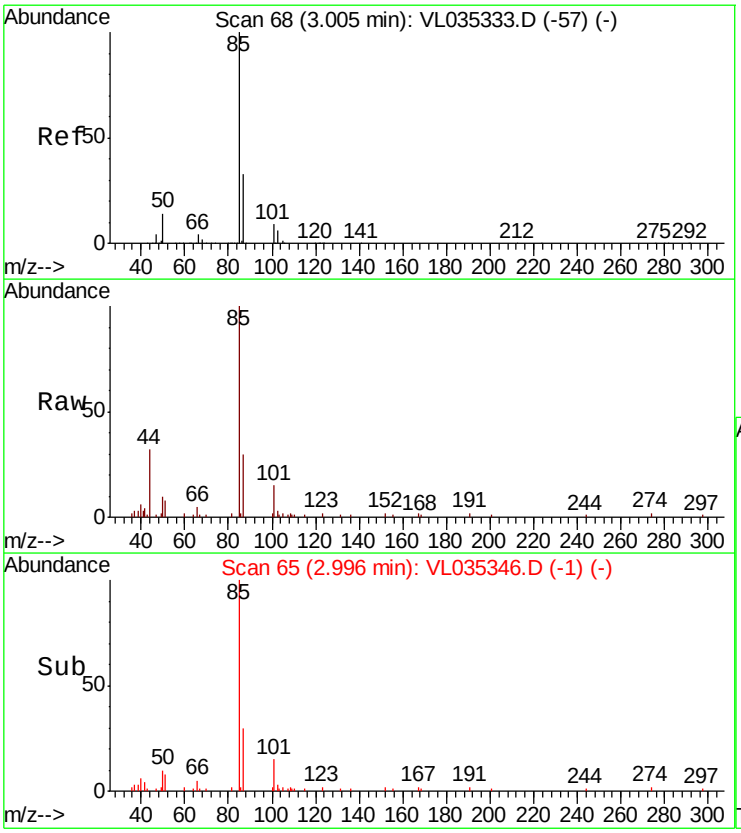
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.01 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1269919

Ion	Ratio	Lower	Upper
49	100		
128	50.8	25.4	76.0
130	64.1	32.1	96.3

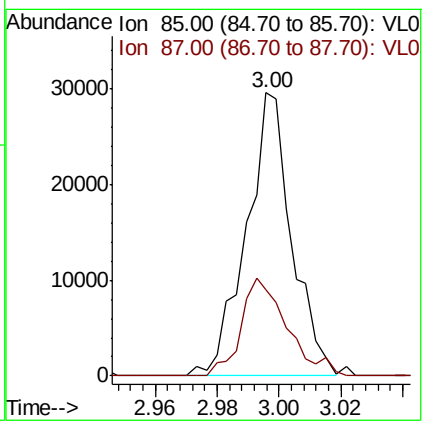


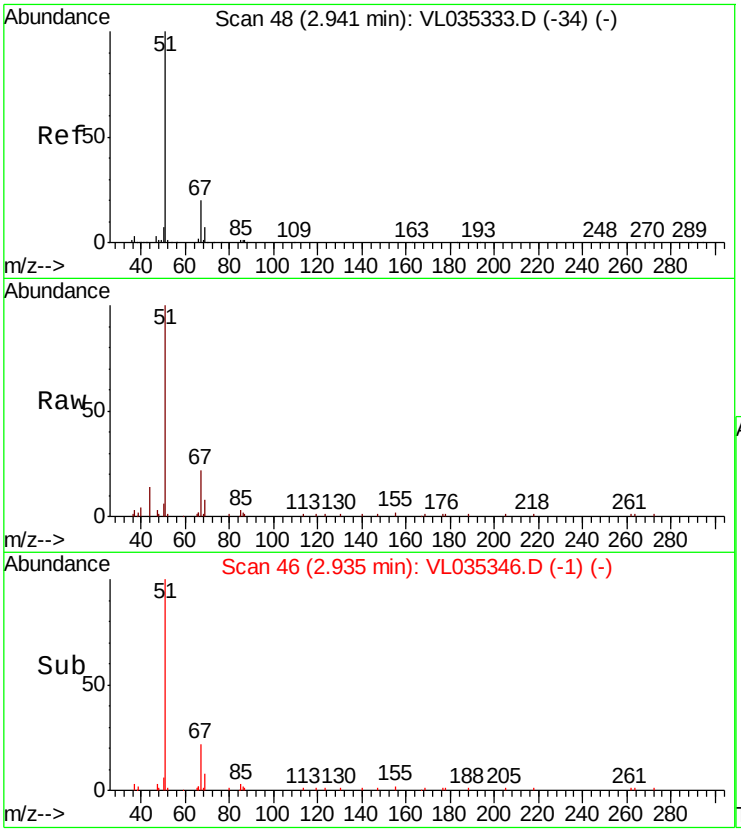


#2
Dichlorodifluoromethane
Concen: 0.179 ppbv
RT: 3.00 min Scan# 65
Delta R.T. -0.01 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Tgt Ion: 85 Resp: 30229

Ion	Ratio	Lower	Upper
85	100		
87	30.3	26.7	40.1

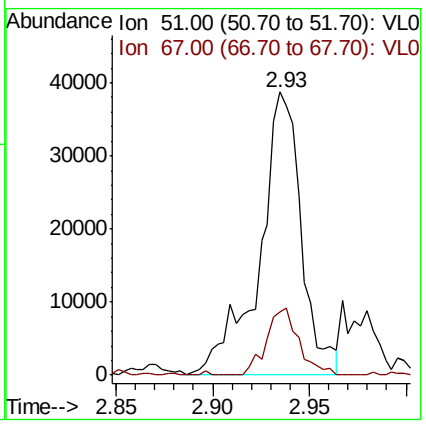




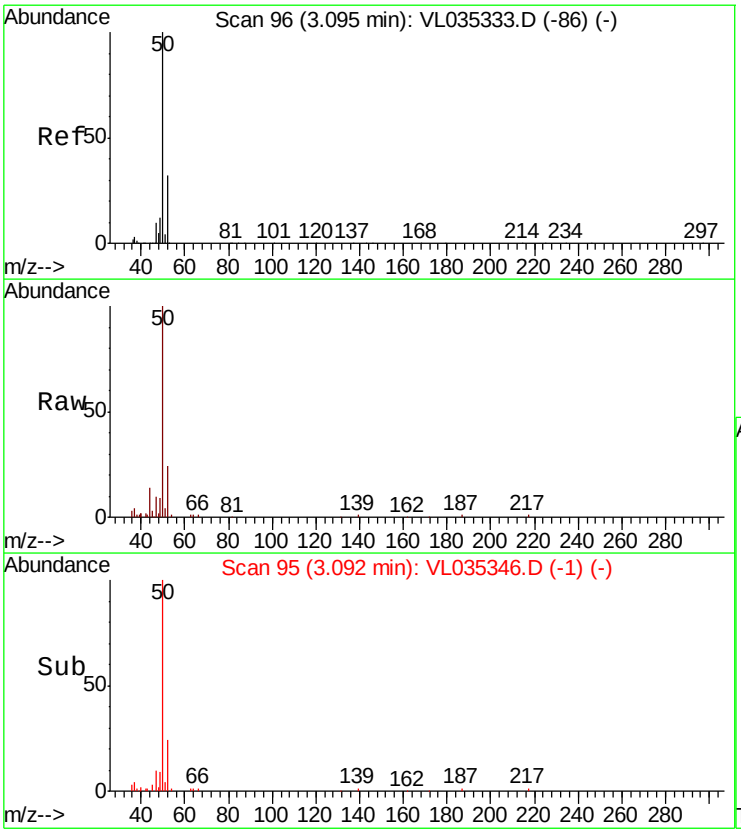
#3
Chlorodifluoromethane
Concen: 0.404 ppbv
RT: 2.93 min Scan# 46
Delta R.T. -0.01 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Tgt Ion: 51 Resp: 58556

Ion	Ratio	Lower	Upper
51	100		
67	18.3	16.6	25.0



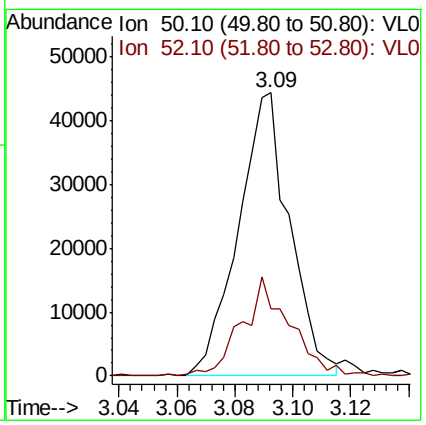
Instrument :
MSVOA_L
ClientSampleId :

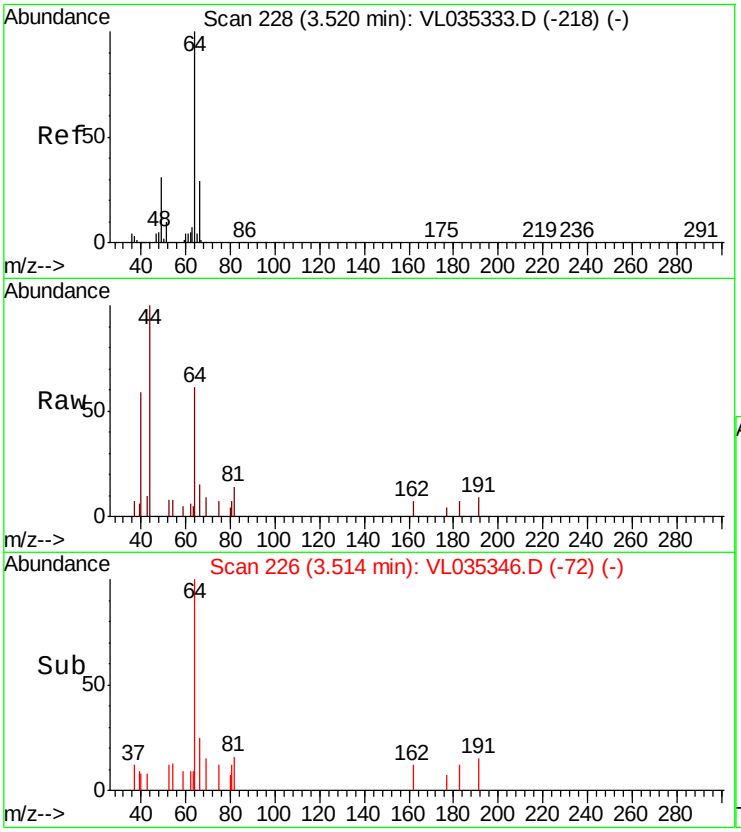


#4
Chloromethane
Concen: 0.667 ppbv
RT: 3.09 min Scan# 95
Delta R.T. -0.00 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Tgt Ion: 50 Resp: 54762

Ion	Ratio	Lower	Upper
50	100		
52	22.2	26.0	39.0#



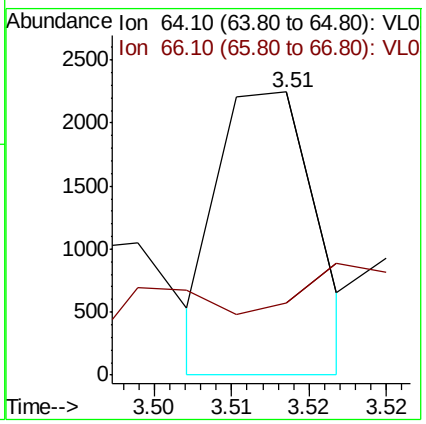


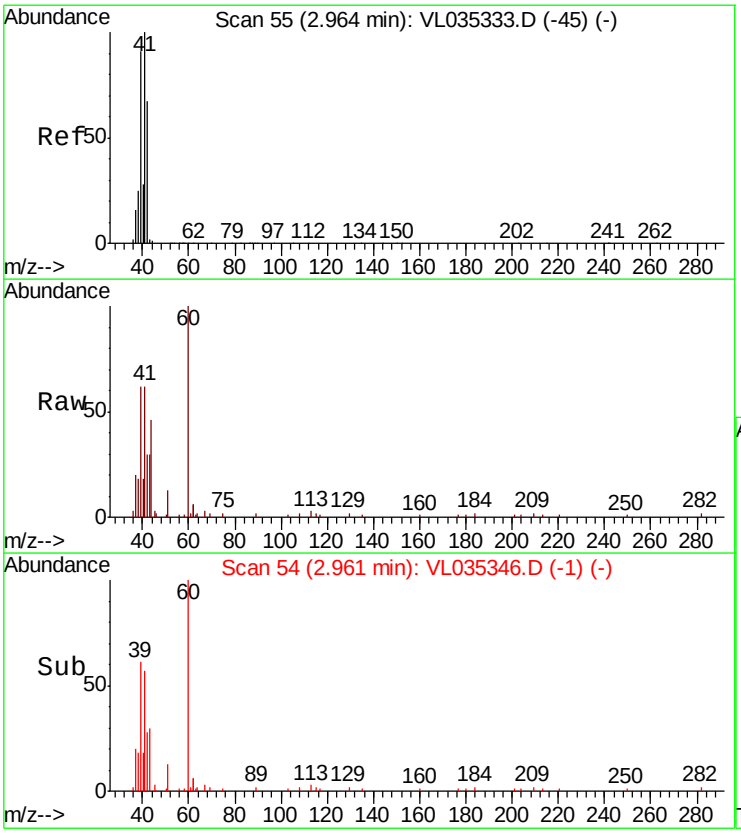
#7
Chloroethane
Concen: 0.031 ppbv
RT: 3.51 min Scan# 226
Delta R.T. -0.01 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 985

Ion	Ratio	Lower	Upper
64	100		
66	25.4	23.0	34.6

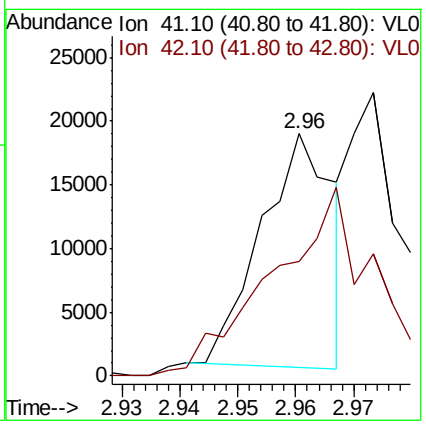


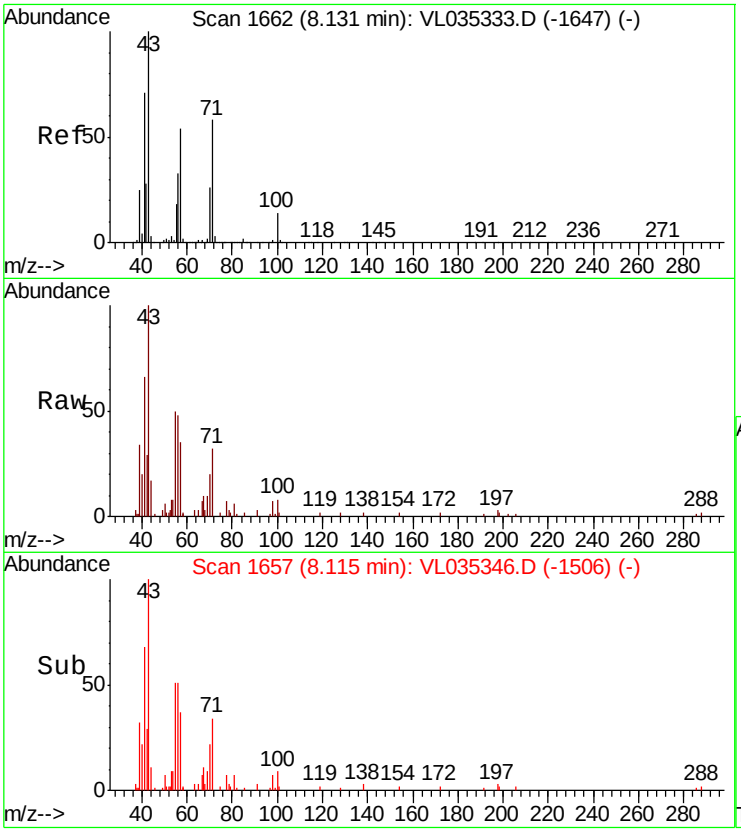


#9
Propene
Concen: 0.304 ppbv
RT: 2.96 min Scan# 54
Delta R.T. -0.00 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Tgt Ion: 41 Resp: 15693

Ion	Ratio	Lower	Upper
41	100		
42	0.0	55.3	82.9#



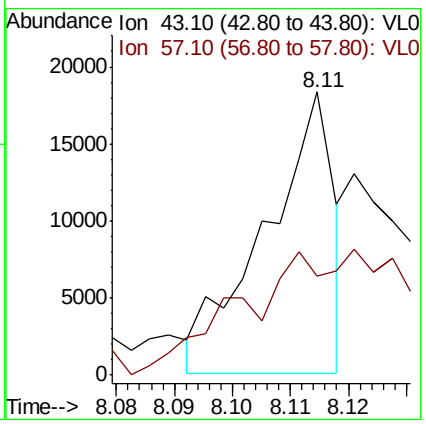


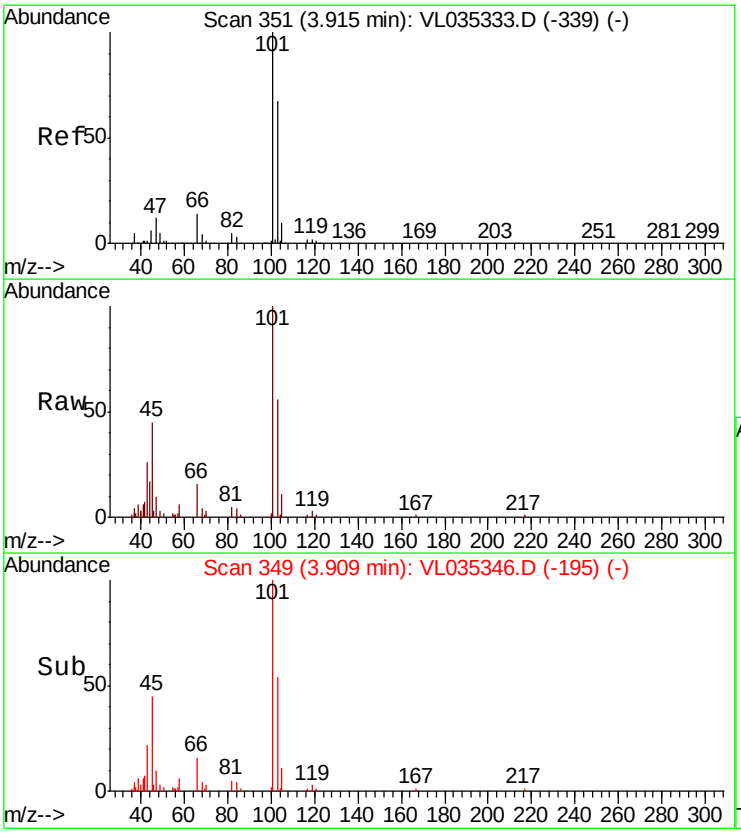
#10
Heptane
Concen: 0.114 ppbv
RT: 8.11 min Scan# 1657
Delta R.T. -0.02 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 15025

Ion	Ratio	Lower	Upper
43	100		
57	0.0	43.0	64.6#

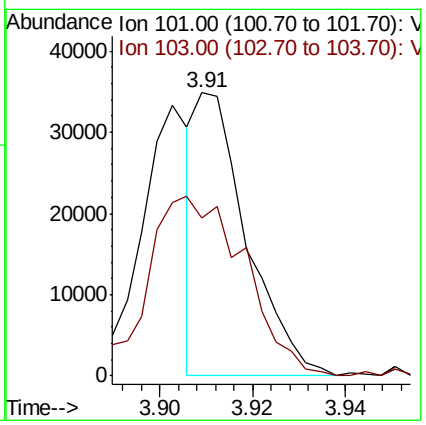


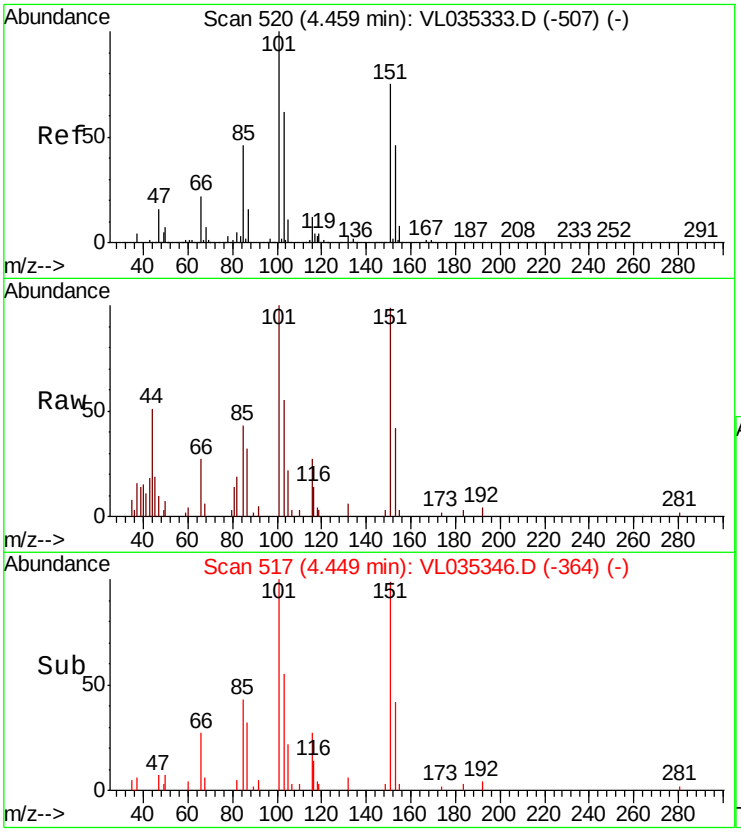


#11
Trichlorofluoromethane
Concen: 0.121 ppbv
RT: 3.91 min Scan# 349
Delta R.T. -0.01 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Tgt Ion:101 Resp: 26532

Ion	Ratio	Lower	Upper
101	100		
103	55.9	53.8	80.8



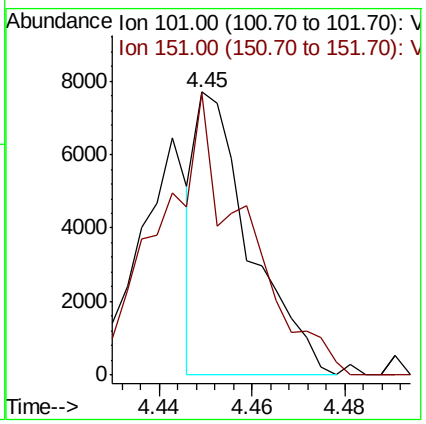


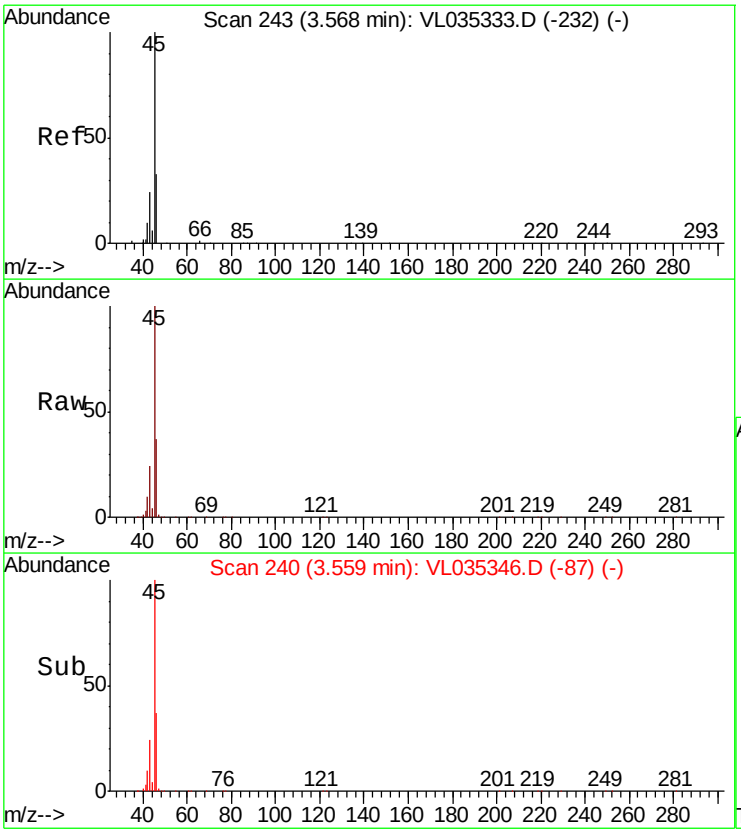
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.040 ppbv
RT: 4.45 min Scan# 517
Delta R.T. -0.01 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 6207

Ion	Ratio	Lower	Upper
101	100		
151	159.4	59.5	89.3#

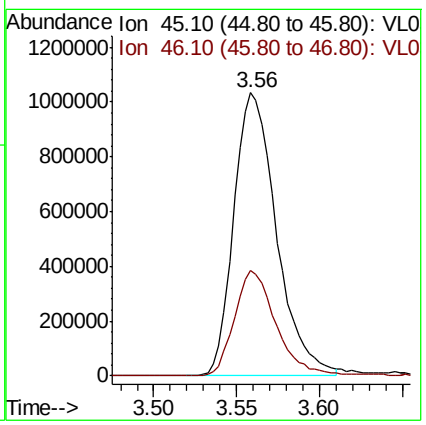


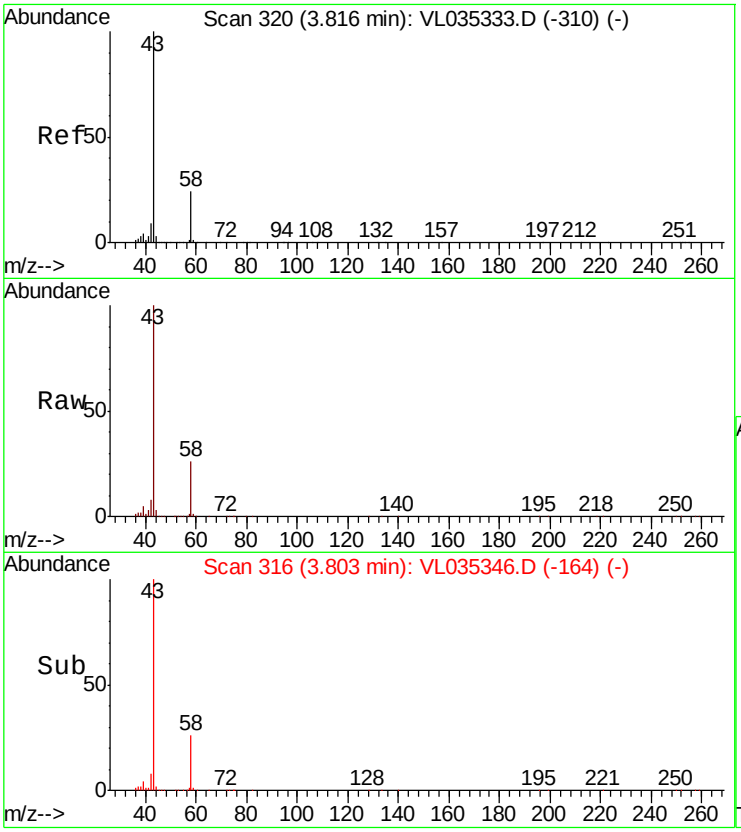


#13
Ethanol
Concen: 103.805 ppbv
RT: 3.56 min Scan# 240
Delta R.T. -0.01 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Tgt Ion: 45 Resp: 1849384

Ion	Ratio	Lower	Upper
45	100		
46	36.6	15.2	61.0



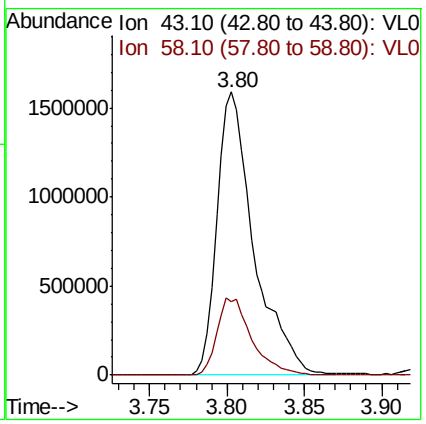


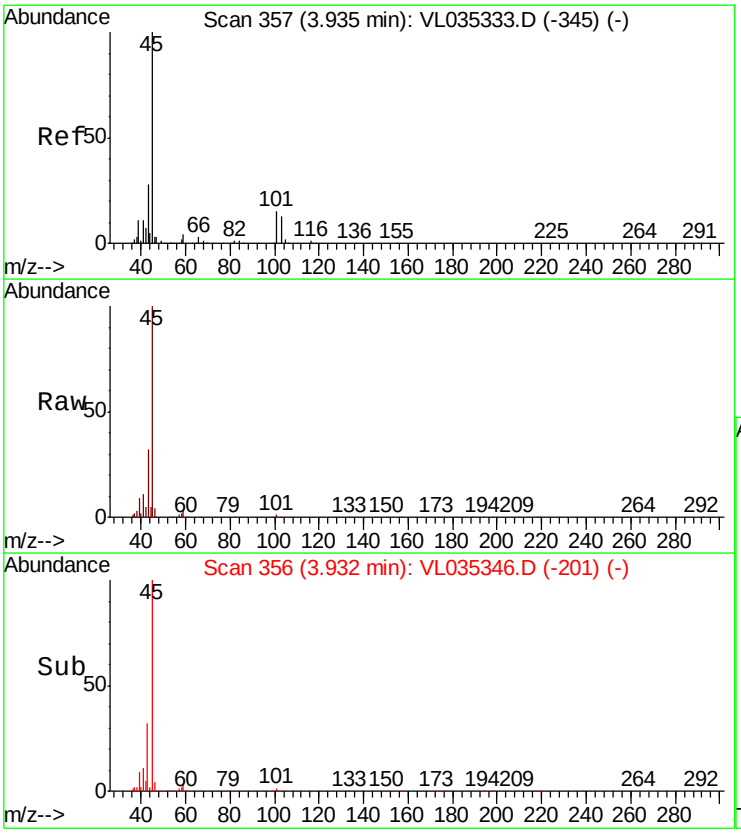
#15
Acetone
Concen: 14.568 ppbv
RT: 3.80 min Scan# 316
Delta R.T. -0.01 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2627122

Ion	Ratio	Lower	Upper
43	100		
58	25.7	21.0	31.4

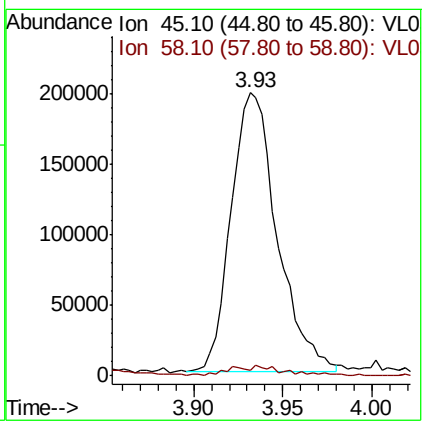


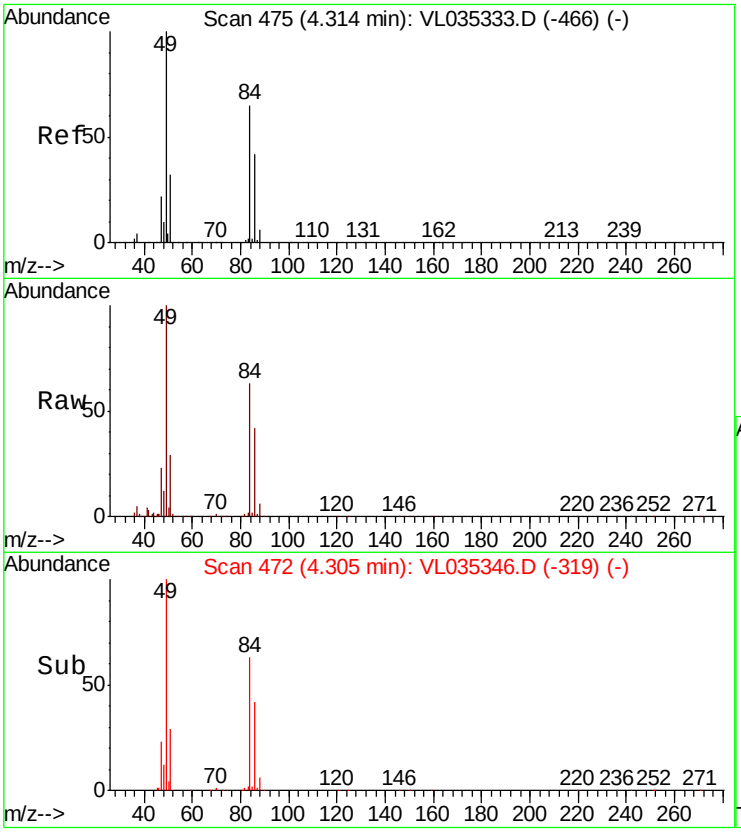


#19
Isopropyl Alcohol
Concen: 3.139 ppbv
RT: 3.93 min Scan# 356
Delta R.T. -0.00 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Tgt Ion: 45 Resp: 358834

Ion	Ratio	Lower	Upper
45	100		
58	188.5	1.9	2.9#



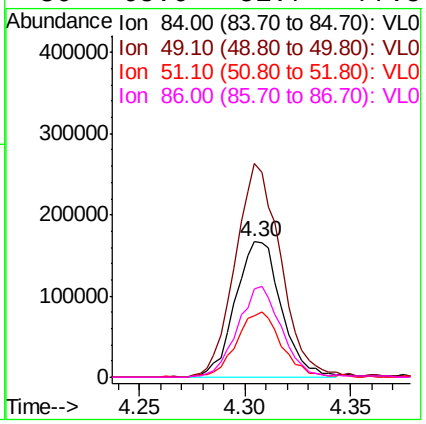


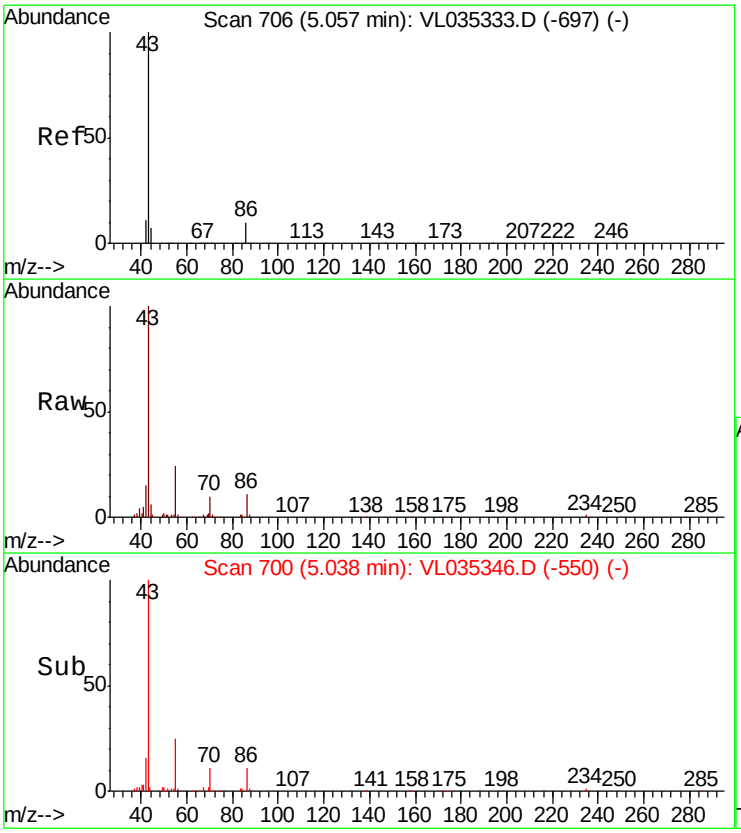
#20
Methylene Chloride
Concen: 3.444 ppbv
RT: 4.30 min Scan# 472
Delta R.T. -0.01 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 253299

Ion	Ratio	Lower	Upper
84	100		
49	157.2	122.8	184.2
51	45.5	40.1	60.1
86	65.6	51.7	77.5

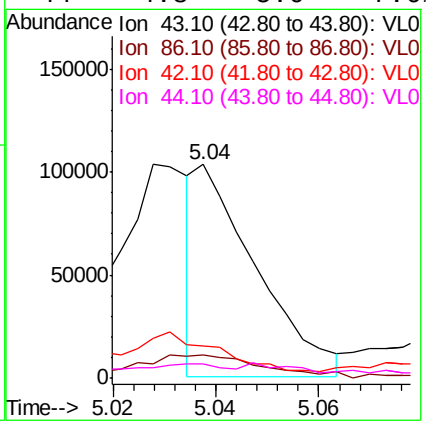


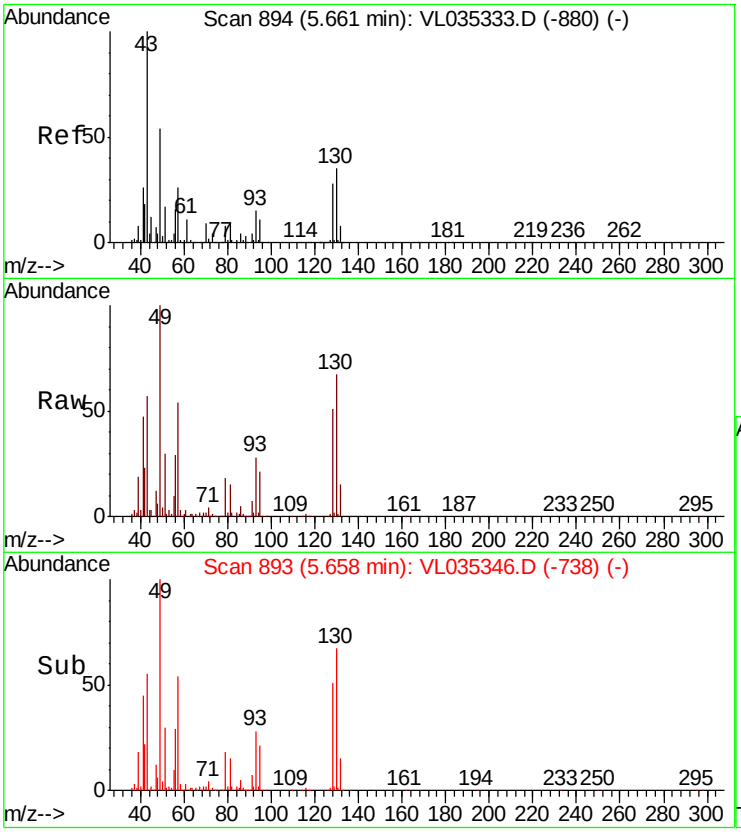


#23
Vinyl Acetate
Concen: 0.480 ppbv
RT: 5.04 min Scan# 700
Delta R.T. -0.02 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Tgt Ion: 43 Resp: 82974

Ion	Ratio	Lower	Upper
43	100		
86	8.8	6.9	10.3
42	12.0	8.8	13.2
44	4.8	5.0	7.6#



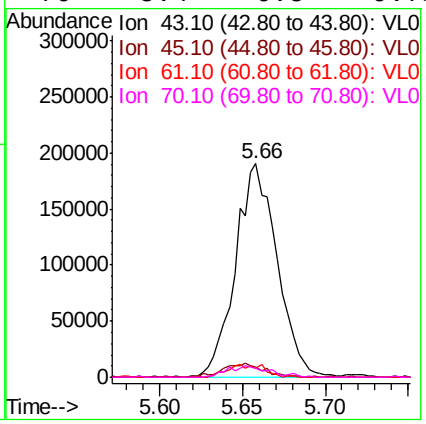


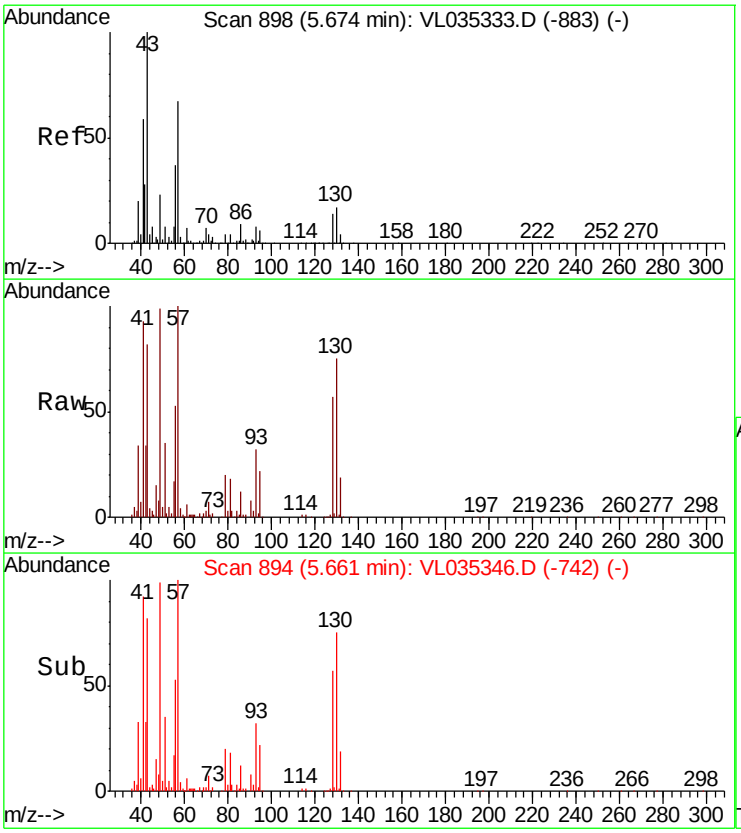
#25
Ethyl Acetate
Concen: 1.208 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.00 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 331028

Ion	Ratio	Lower	Upper
43	100		
45	6.5	8.5	12.7#
61	5.5	8.1	12.1#
70	5.4	6.5	9.7#

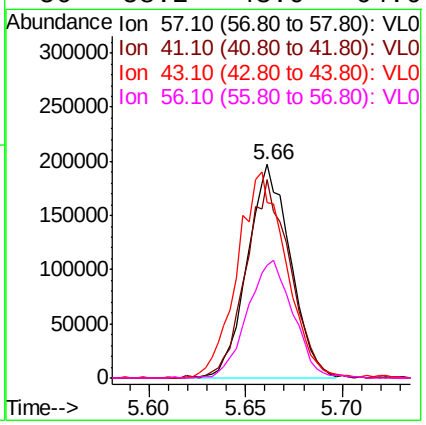


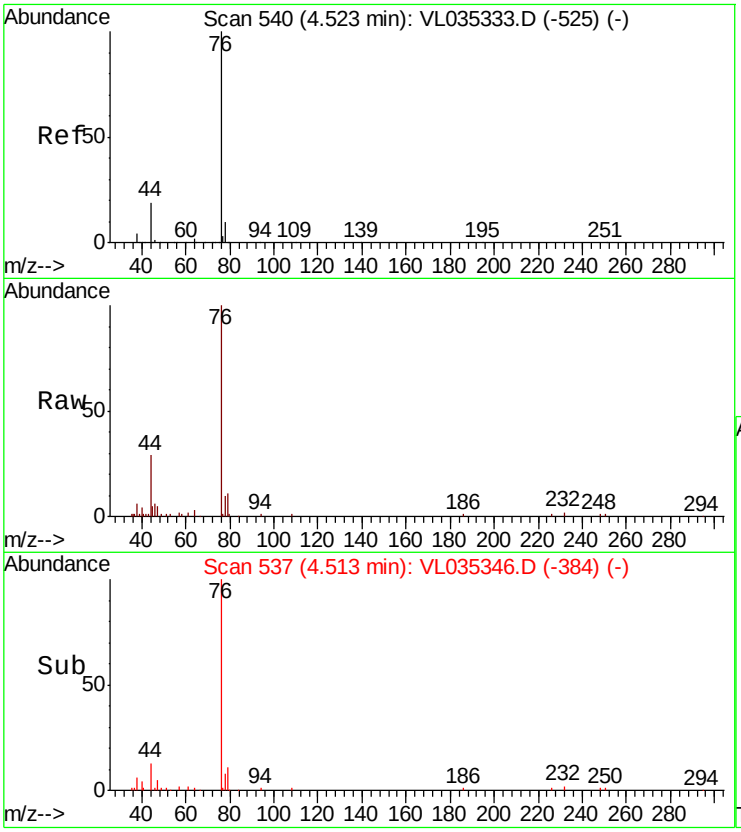


#26
Hexane
Concen: 2.567 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Tgt Ion: 57 Resp: 305134

Ion	Ratio	Lower	Upper
57	100		
41	95.6	75.2	112.8
43	110.6	180.6	270.8#
56	58.2	43.0	64.6



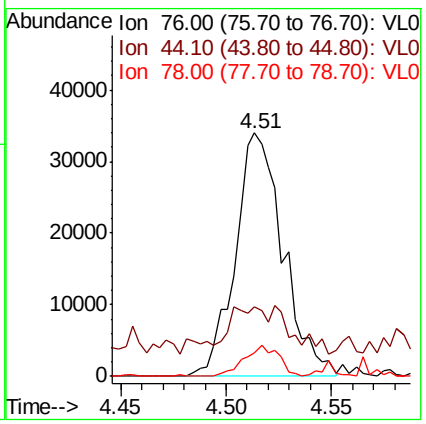


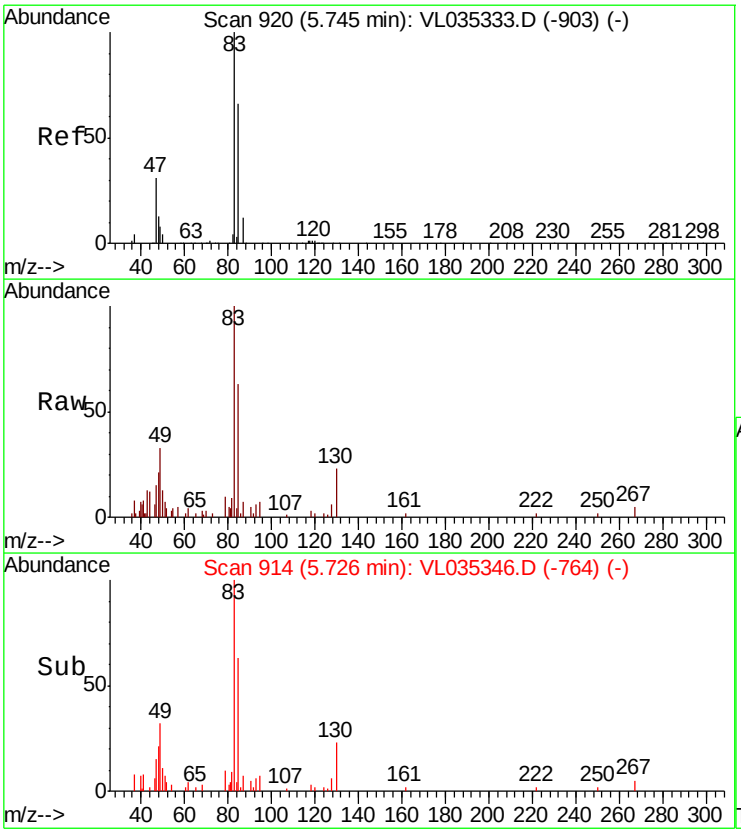
#27
Carbon Disulfide
Concen: 0.322 ppbv
RT: 4.51 min Scan# 537
Delta R.T. -0.01 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 53510

Ion	Ratio	Lower	Upper
76	100		
44	28.9	15.4	23.2#
78	10.9	7.7	11.5

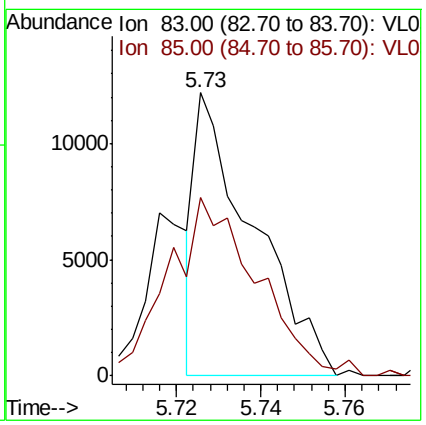


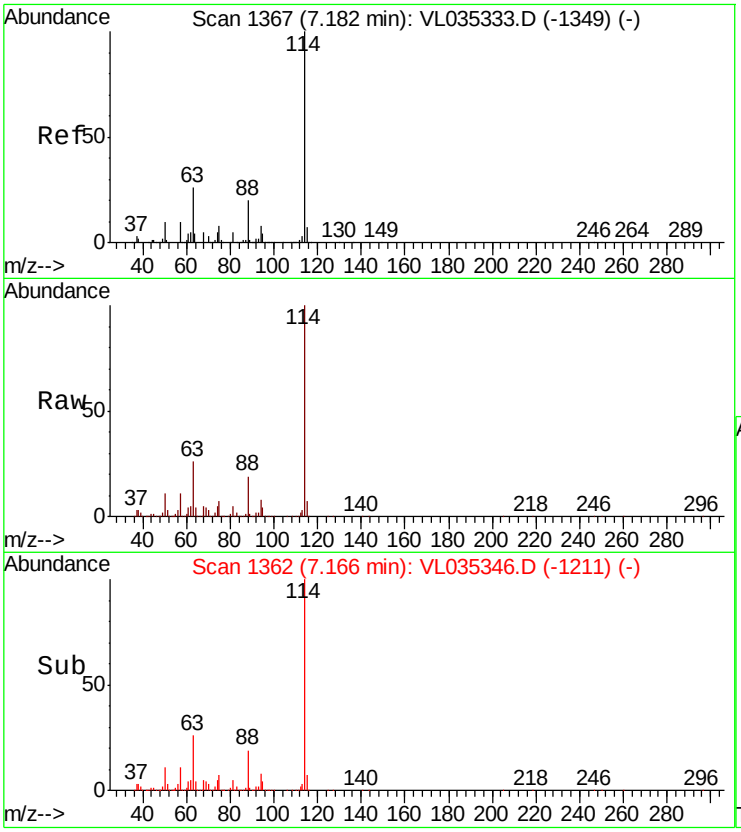


#29
Chloroform
Concen: 0.057 ppbv
RT: 5.73 min Scan# 914
Delta R.T. -0.02 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Tgt Ion: 83 Resp: 11661

Ion	Ratio	Lower	Upper
83	100		
85	60.5	52.9	79.3



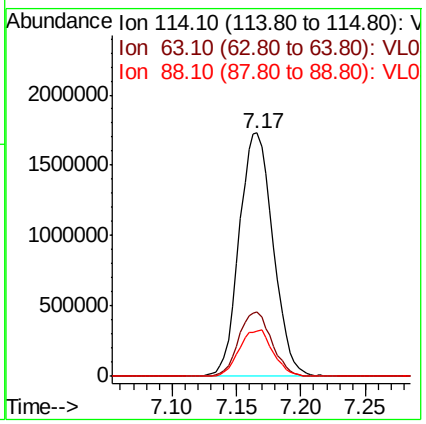


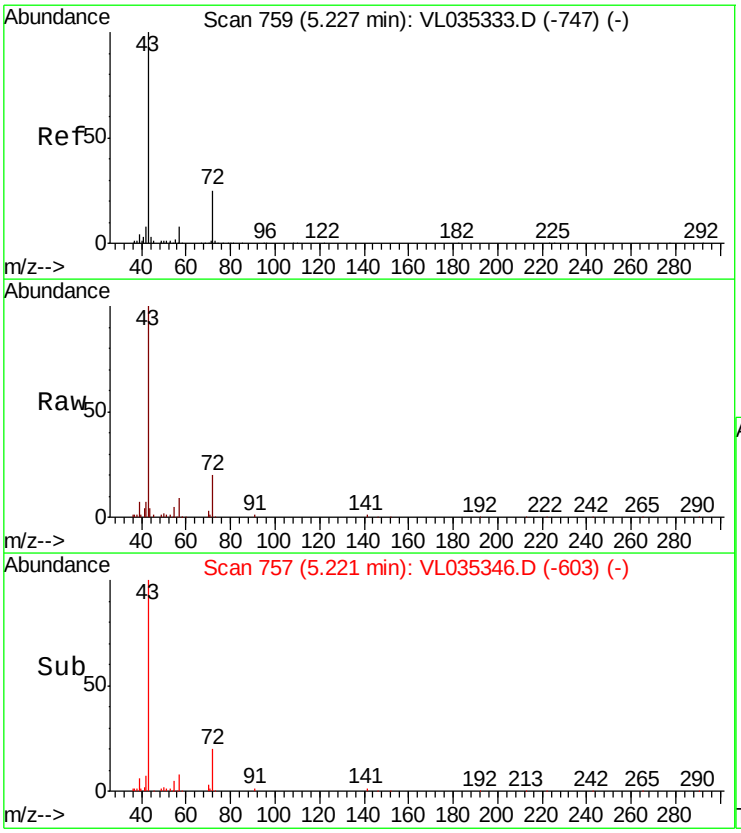
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 3167691

Ion	Ratio	Lower	Upper
114	100		
63	25.9	21.3	31.9
88	18.9	15.3	22.9

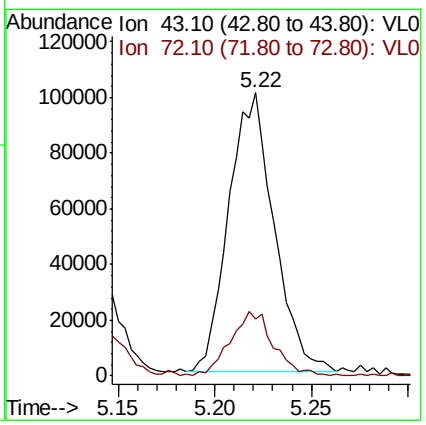


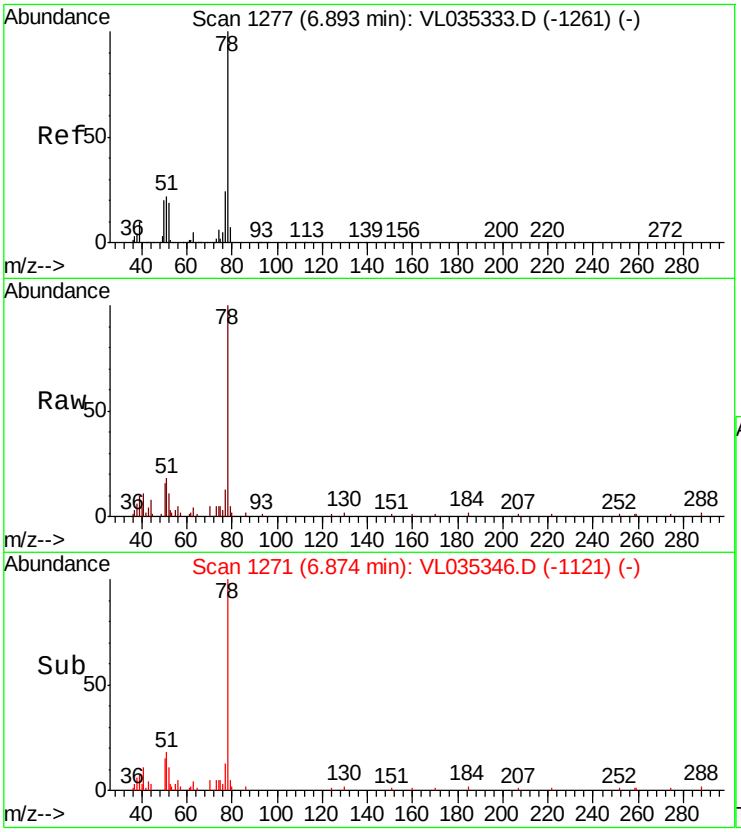


#34
2-Butanone
Concen: 1.052 ppbv
RT: 5.22 min Scan# 757
Delta R.T. -0.01 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Tgt Ion: 43 Resp: 164033

Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.9	28.3



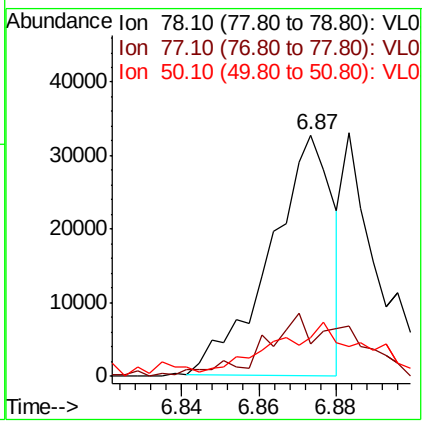


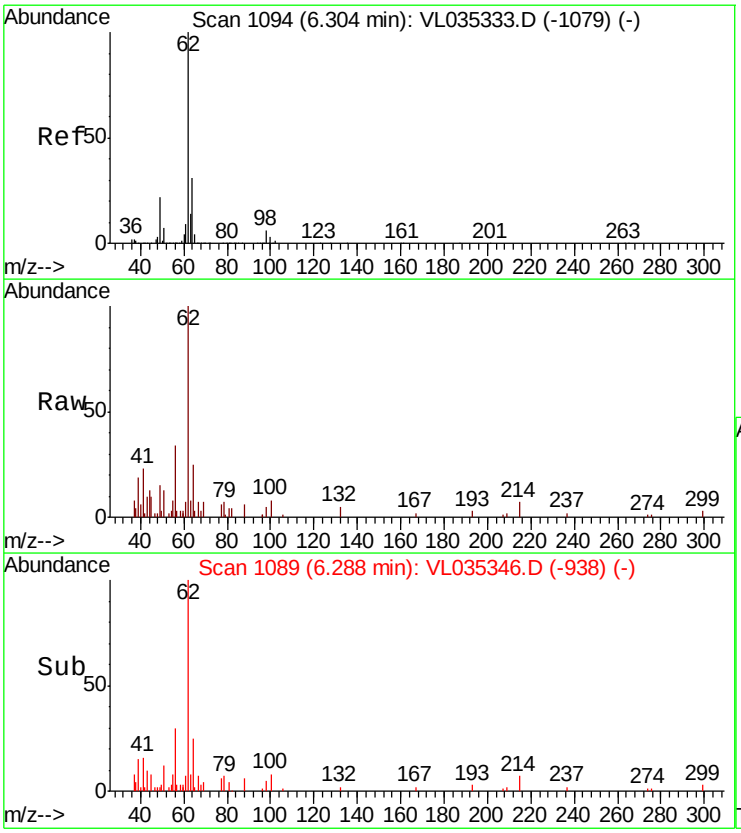
#36
Benzene
Concen: 0.172 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. -0.02 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 36809

Ion	Ratio	Lower	Upper
78	100		
77	10.7	19.3	28.9#
50	8.4	16.3	24.5#

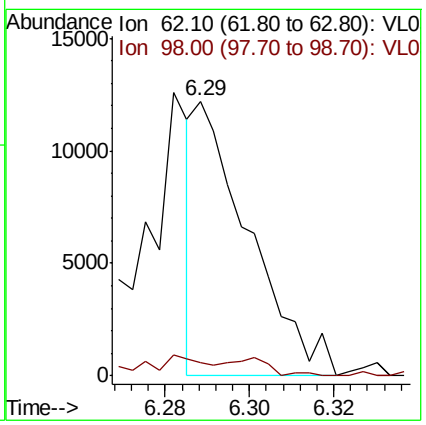


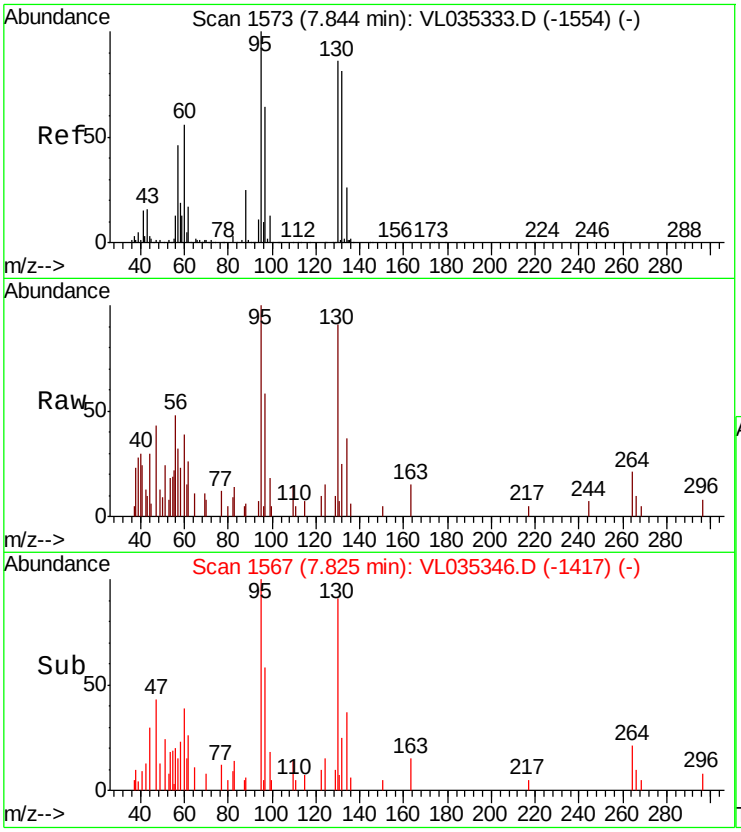


#37
1,2-Dichloroethane
Concen: 0.073 ppbv
RT: 6.29 min Scan# 1089
Delta R.T. -0.02 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Tgt Ion: 62 Resp: 10922

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.6	7.0#



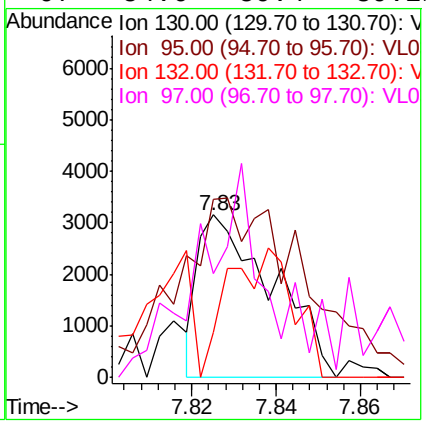


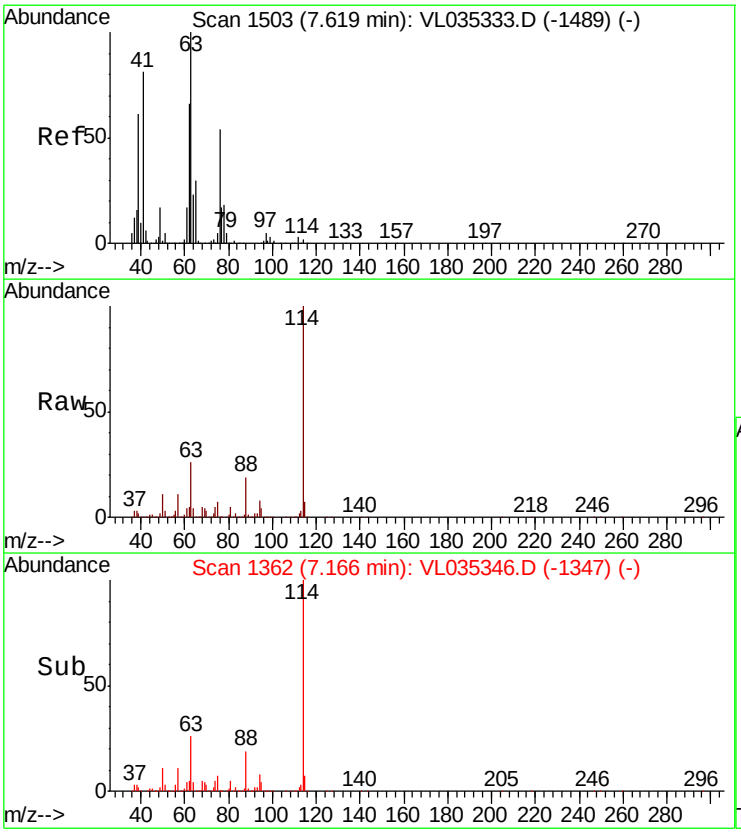
#38
Trichloroethene
Concen: 0.039 ppbv
RT: 7.83 min Scan# 1567
Delta R.T. -0.02 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:130 Resp: 3867

Ion	Ratio	Lower	Upper
130	100		
95	64.3	93.4	140.2#
132	25.8	76.1	114.1#
97	54.6	59.4	89.2#

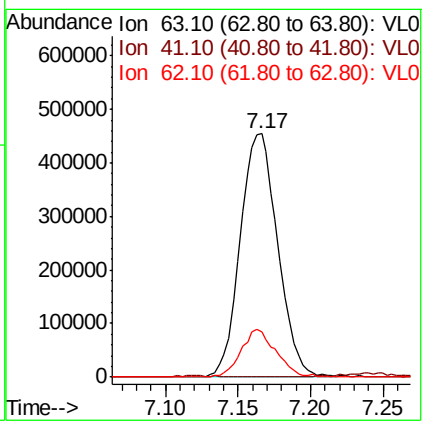


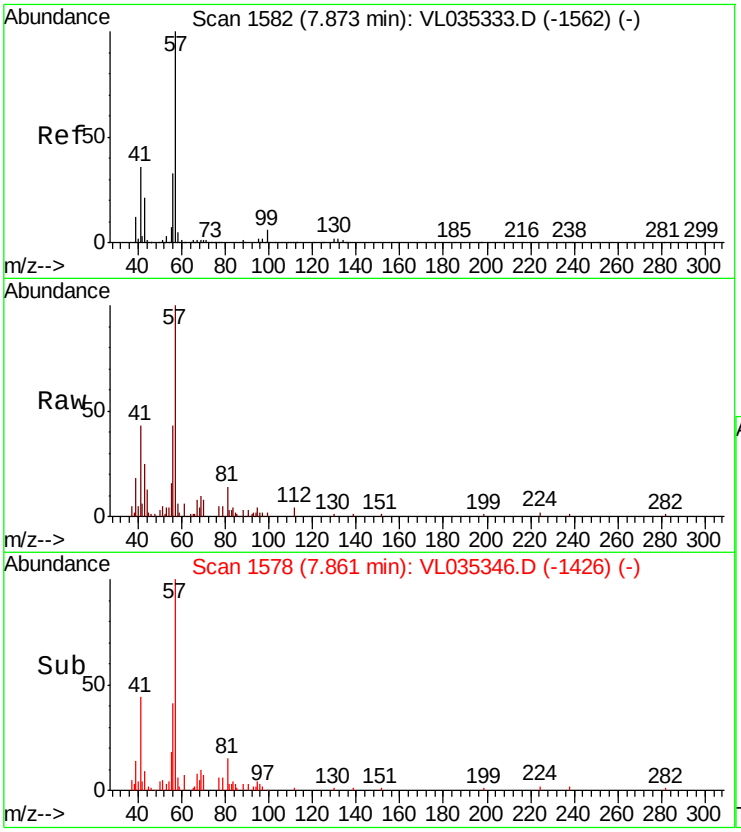


#39
1,2-Dichloropropane
Concen: 9.438 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.45 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Tgt Ion: 63 Resp: 817314

Ion	Ratio	Lower	Upper
63	100		
41	0.0	64.4	96.6#
62	18.5	52.6	78.8#



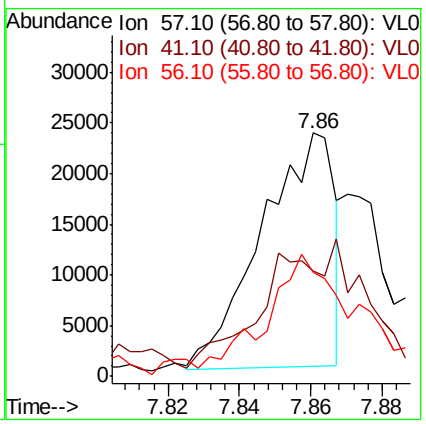


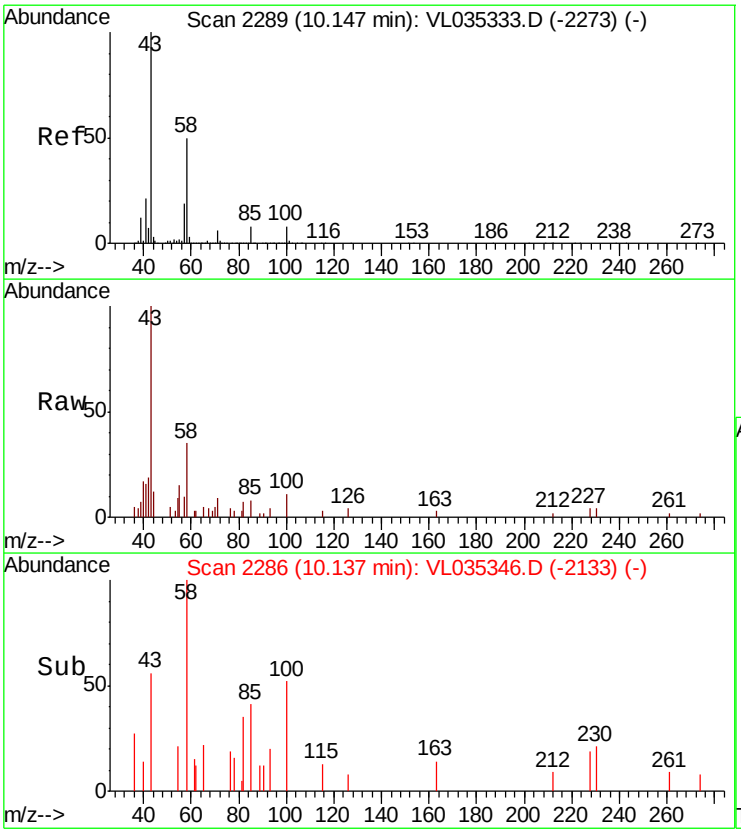
#44
2,2,4-Trimethylpentane
Concen: 0.086 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.01 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 32586

Ion	Ratio	Lower	Upper
57	100		
41	0.0	27.9	41.9#
56	72.3	25.4	38.0#

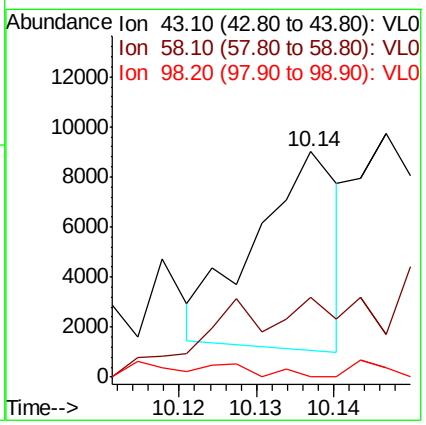


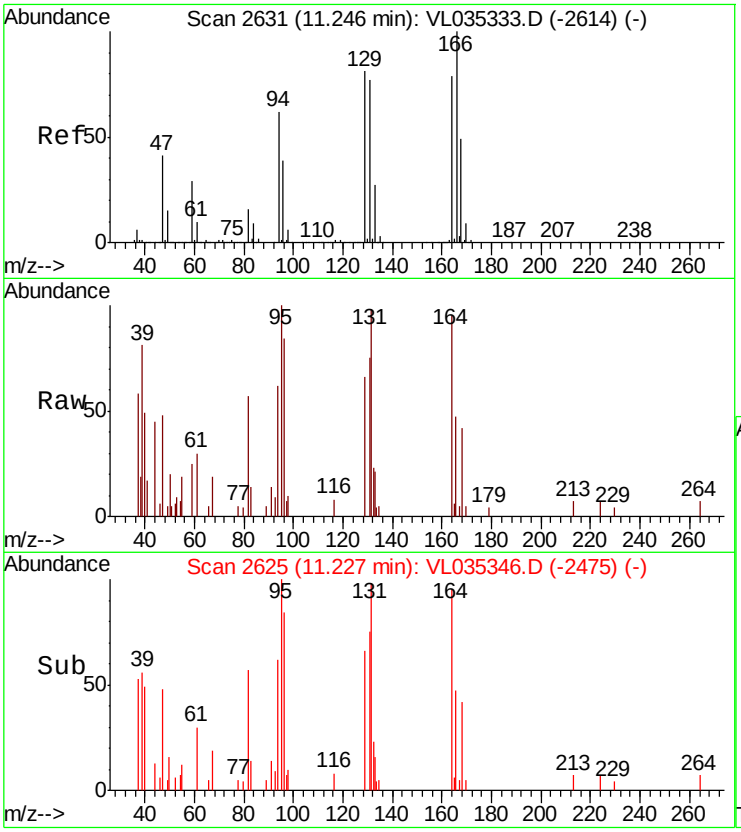


#51
2-Hexanone
Concen: 0.032 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.01 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Tgt Ion: 43 Resp: 5944

Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.4	59.2#
98	0.0	0.2	0.4#



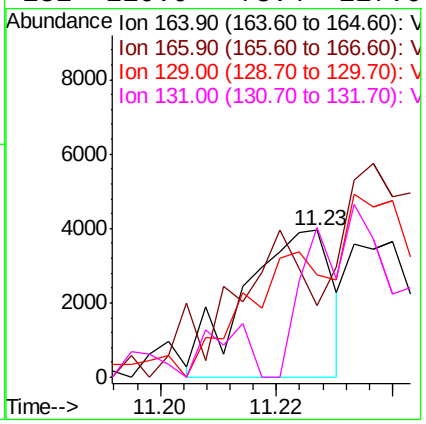


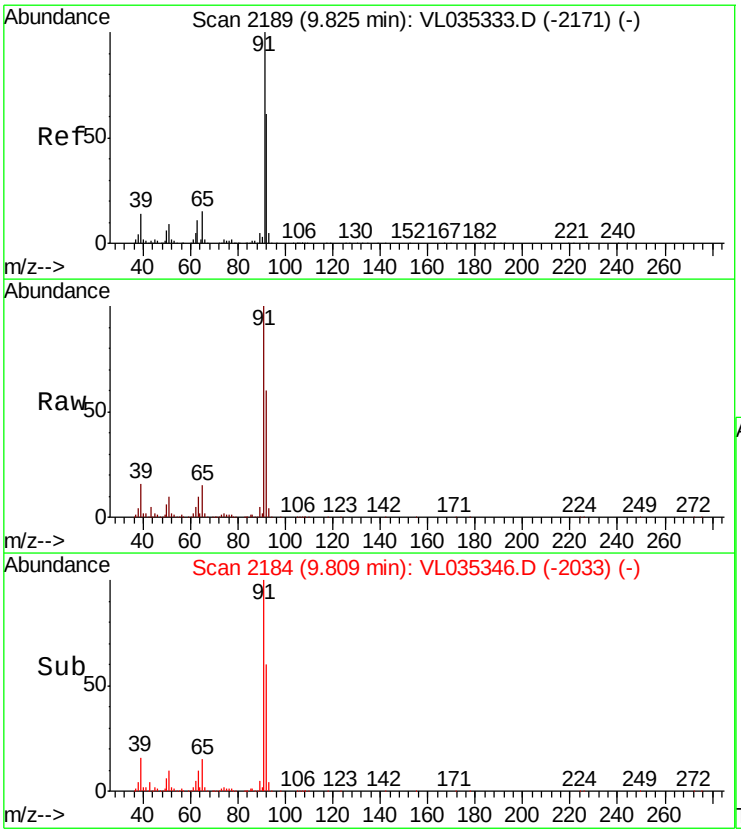
#52
Tetrachloroethene
Concen: 0.049 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. -0.02 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:164 Resp: 4136

Ion	Ratio	Lower	Upper
164	100		
166	0.0	101.4	152.0#
129	74.8	82.1	123.1#
131	110.0	78.4	117.6

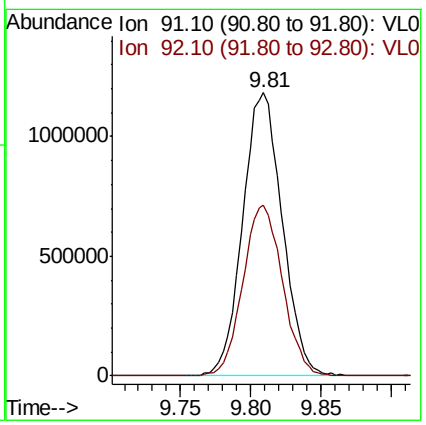


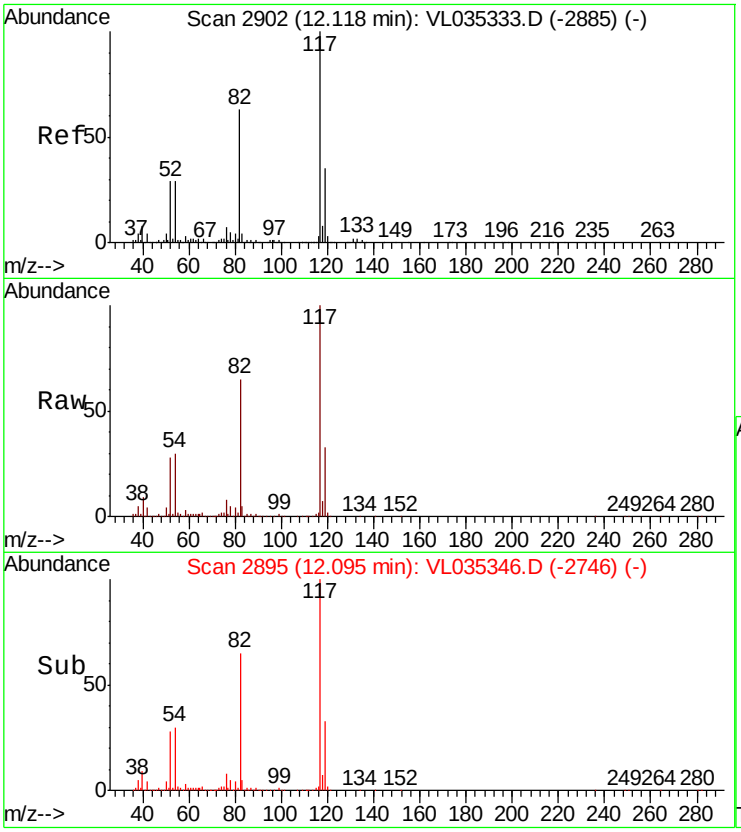


#53
Toluene
Concen: 10.013 ppbv
RT: 9.81 min Scan# 2184
Delta R.T. -0.02 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Tgt Ion: 91 Resp: 2329815

Ion	Ratio	Lower	Upper
91	100		
92	60.3	48.5	72.7



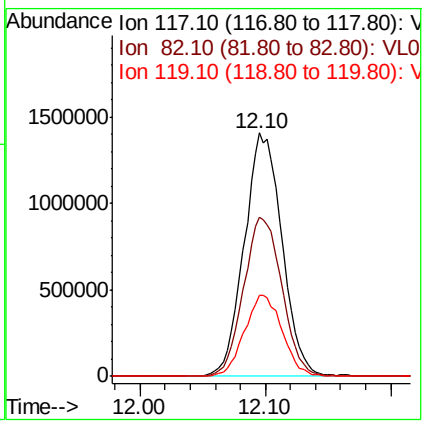


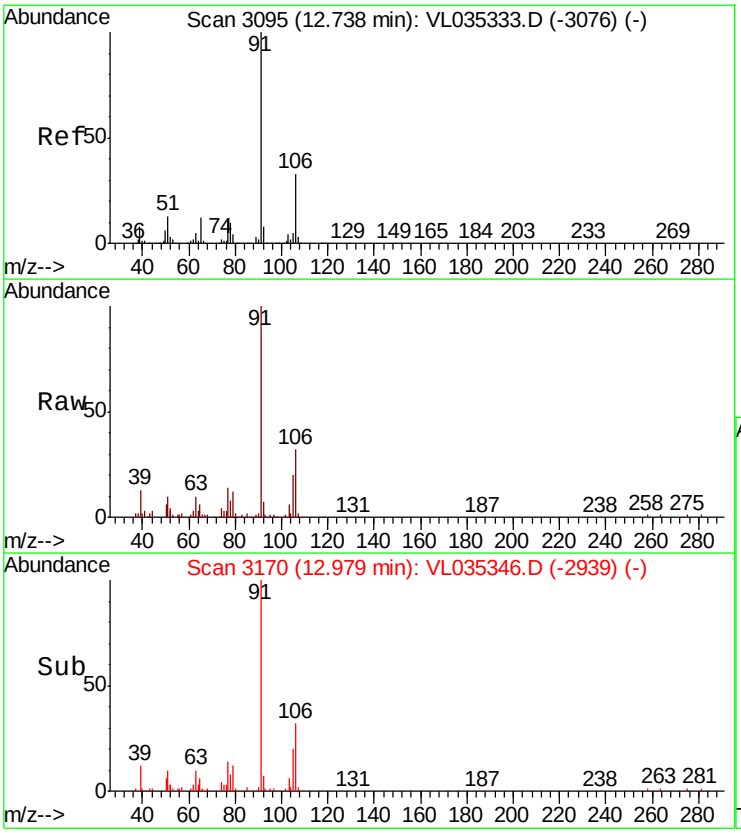
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.02 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2951731

Ion	Ratio	Lower	Upper
117	100		
82	66.5	51.0	76.4
119	33.2	24.7	37.1

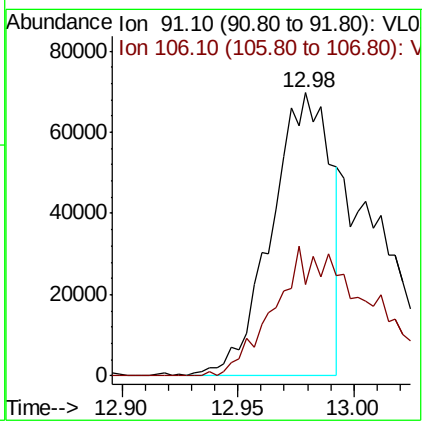


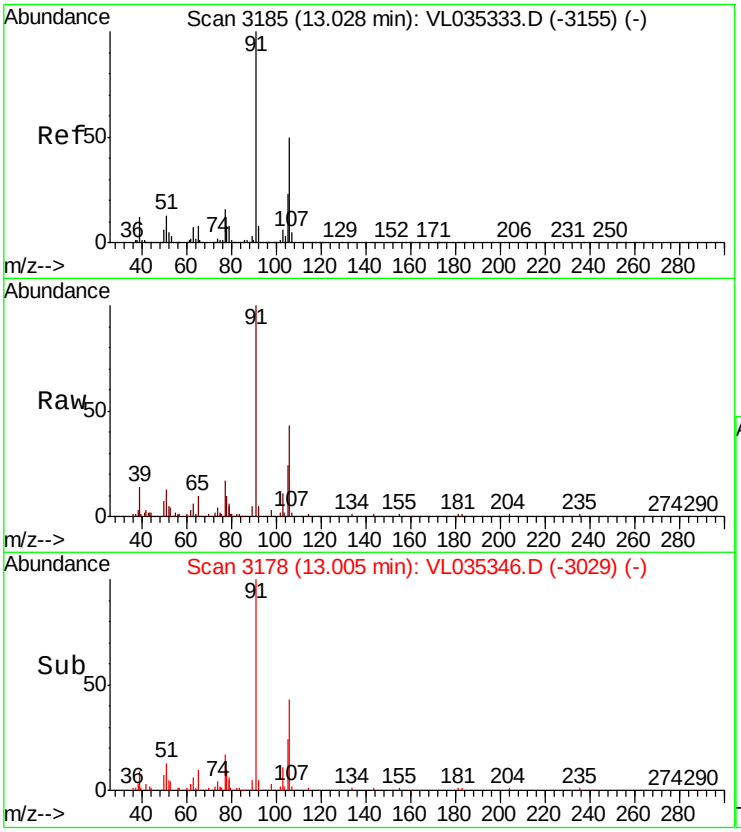


#58
Ethyl Benzene
Concen: 0.402 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. 0.24 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Tgt Ion: 91 Resp: 123466

Ion	Ratio	Lower	Upper
91	100		
106	32.2	26.8	40.2



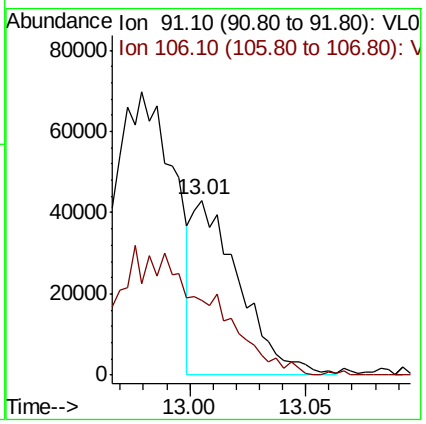


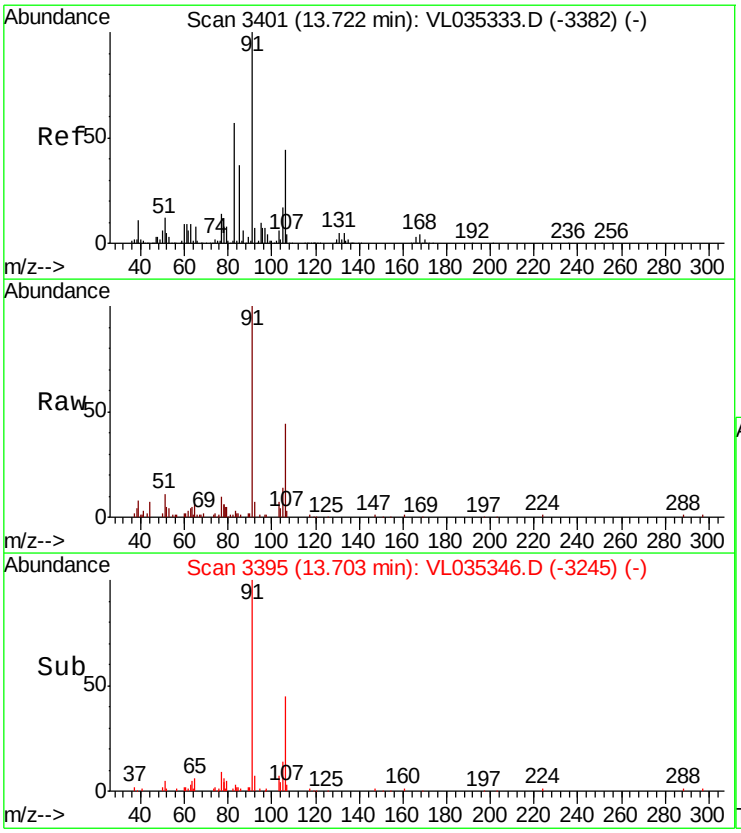
#59
m/p-Xylene
Concen: 0.213 ppbv
RT: 13.01 min Scan# 3178
Delta R.T. -0.02 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 60978

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.8	56.8#

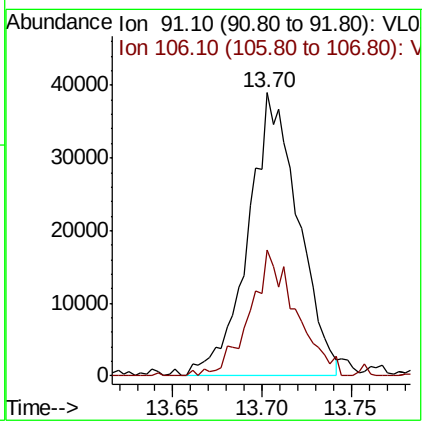


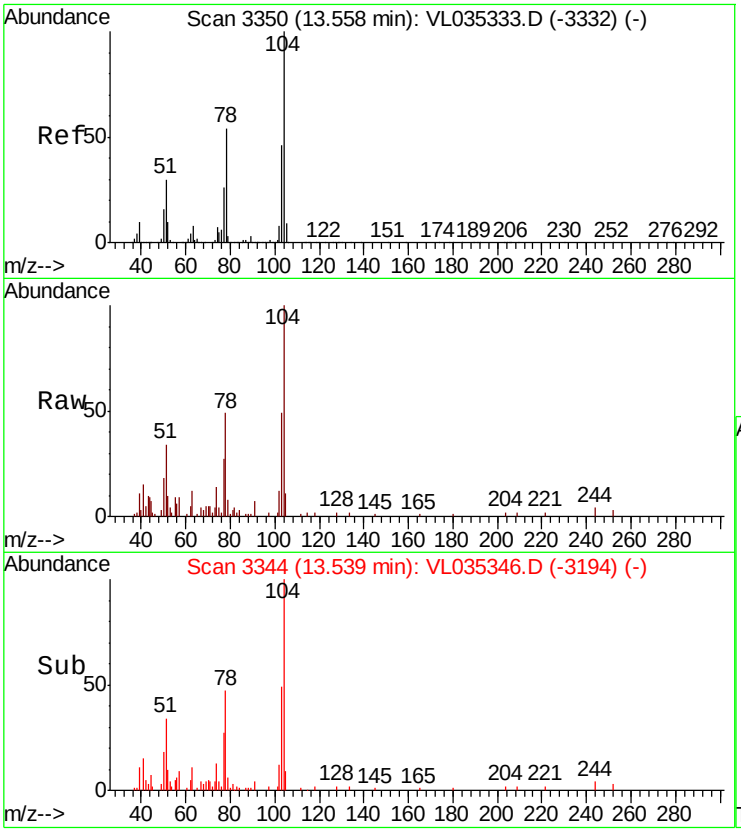


#60
o-Xylene
Concen: 0.270 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.02 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Tgt Ion: 91 Resp: 76735

Ion	Ratio	Lower	Upper
91	100		
106	41.4	22.7	68.0



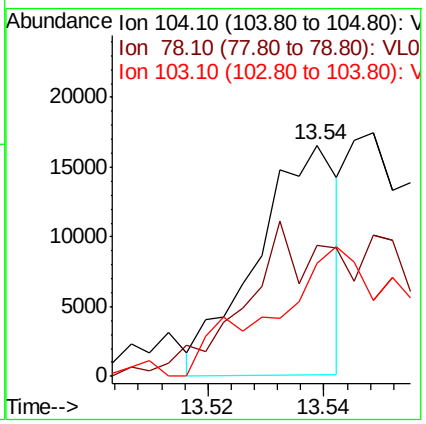


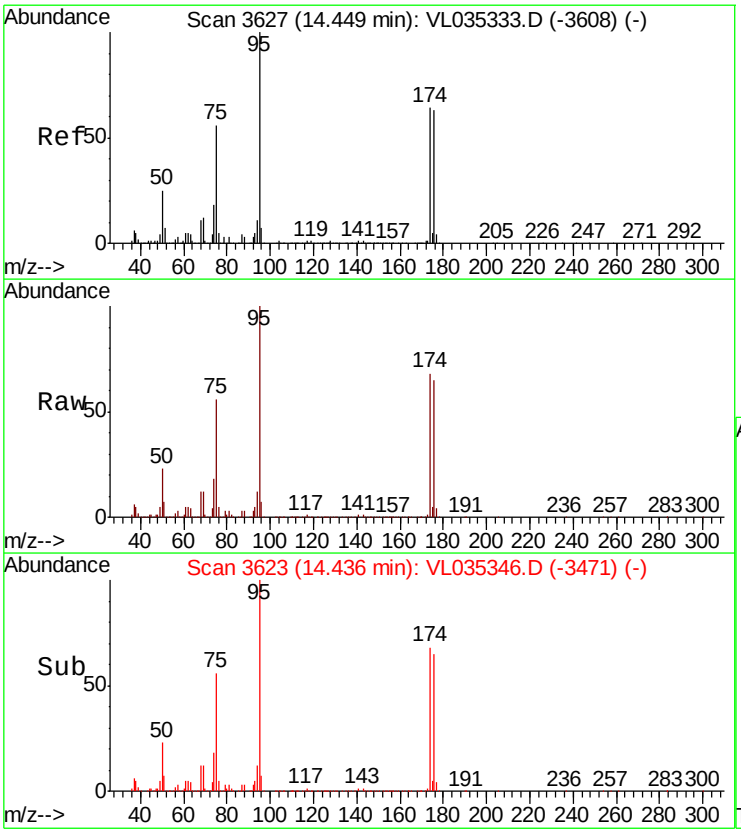
#61
Stvrene
Concen: 0.092 ppbv
RT: 13.54 min Scan# 3344
Delta R.T. -0.02 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 15996

Ion	Ratio	Lower	Upper
104	100		
78	155.1	42.6	63.8#
103	113.0	38.1	57.1#

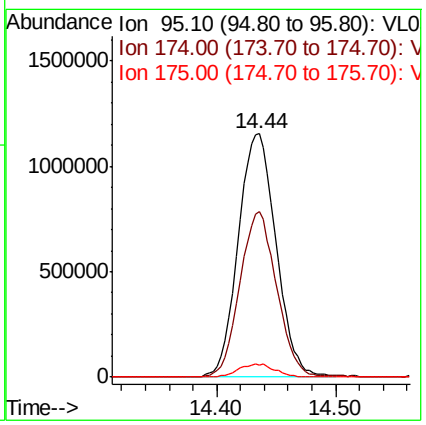


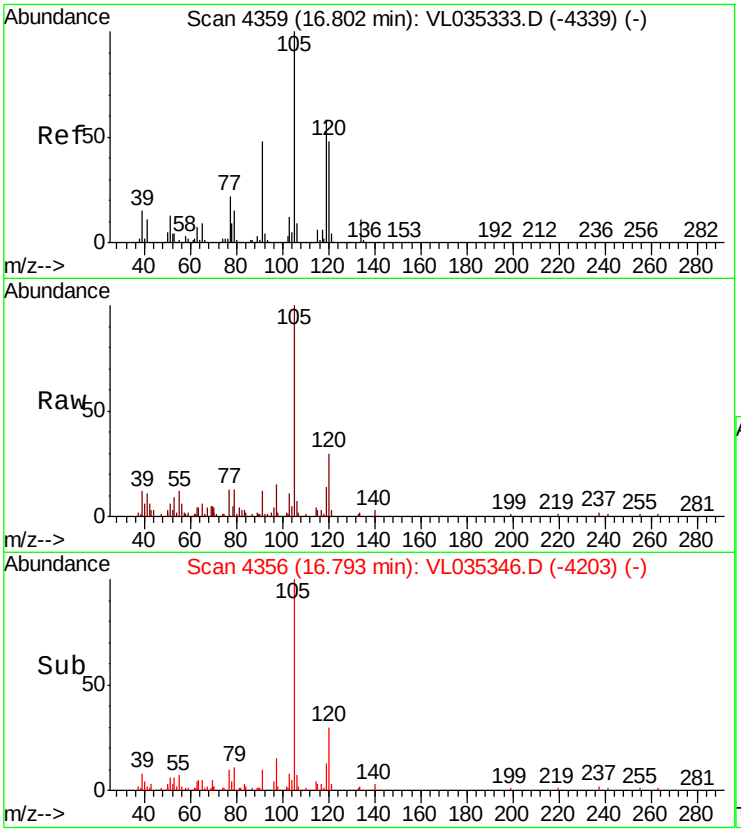


#68
1-Bromo-4-Fluorobenzene
Concen: 10.320 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Tgt Ion: 95 Resp: 2540262

Ion	Ratio	Lower	Upper
95	100		
174	66.8	53.5	80.3
175	5.2	4.2	6.2



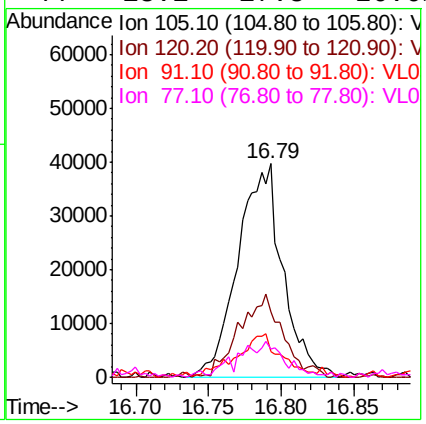


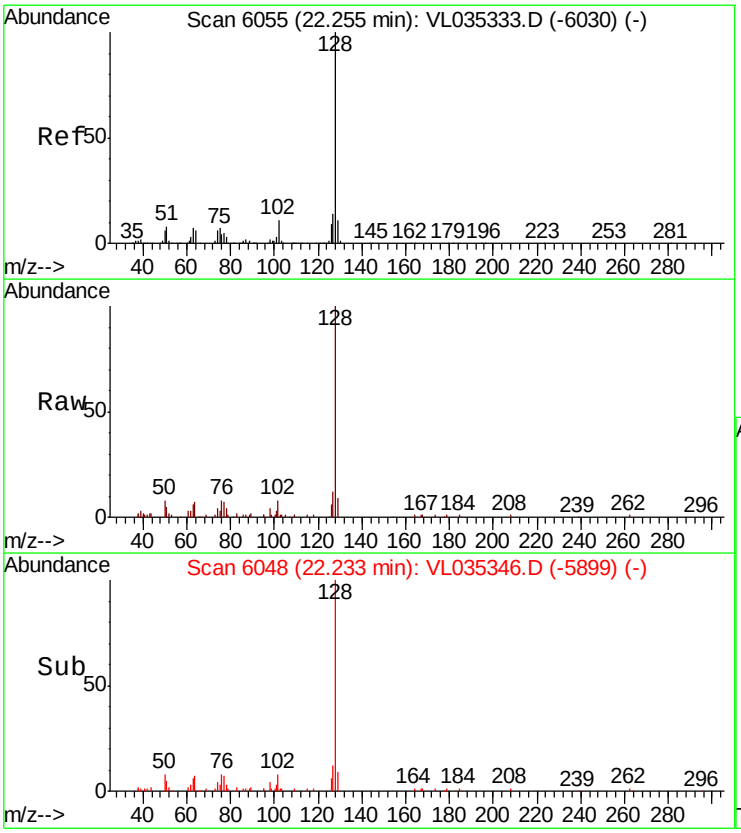
#74
1,2,4-Trimethylbenzene
Concen: 0.240 ppbv
RT: 16.79 min Scan# 4356
Delta R.T. -0.01 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 85087

Ion	Ratio	Lower	Upper
105	100		
120	29.1	38.5	57.7#
91	11.0	39.0	58.6#
77	13.1	17.8	26.6#

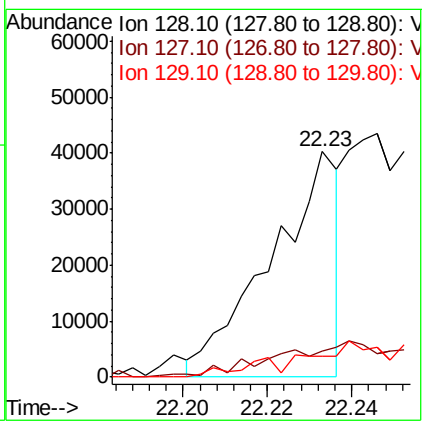


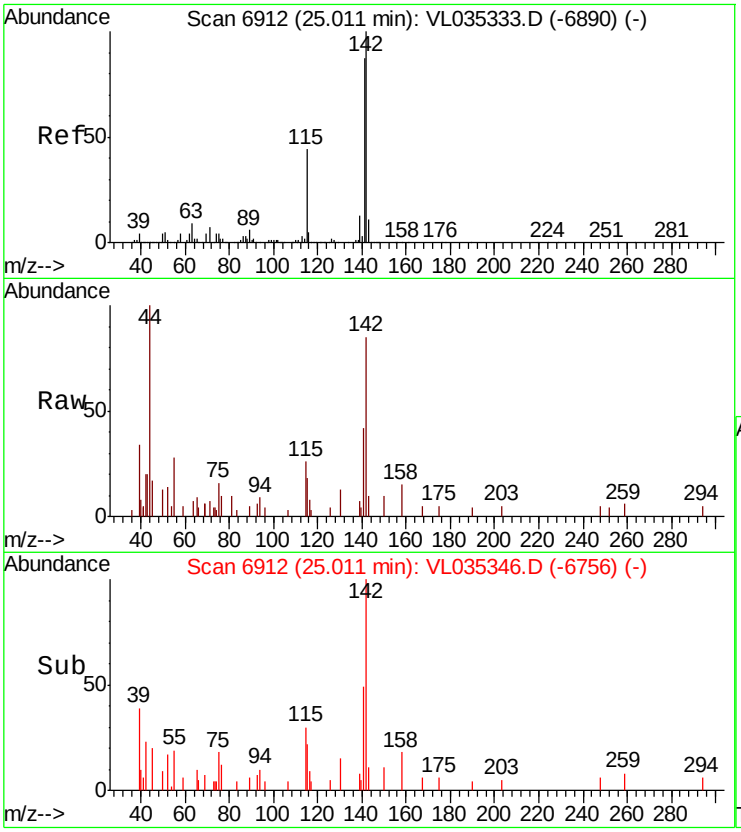


#79
Naphthalene
Concen: 0.164 ppbv
RT: 22.23 min Scan# 6048
Delta R.T. -0.02 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Tgt Ion:128 Resp: 44892

Ion	Ratio	Lower	Upper
128	100		
127	11.5	11.1	16.7
129	10.1	8.7	13.1





#80
Naphthalene,2-methyl-
Concen: 0.111 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. 0.00 min
Lab File: VL035346.D
Acq: 6 Aug 2020 12:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 6902

Ion	Ratio	Lower	Upper
142	100		
141	86.0	69.0	103.6
115	61.1	35.5	53.3#