Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111220\
Data File : VL035924.D
Acq On : 12 Nov 2020 22:00
Operator : SY/AP
Sample : L4721-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : LA-1DUP

Quant Time: Nov 13 01:00:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1189542	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	4129579	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	3775210	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	2862982	10.67	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	53683	0.240	ppbv		95
3) Chlorodifluoromethane	2.98	51	102956	0.723	ppbv	#	82
4) Chloromethane	3.13	50	39304	0.568	ppbv		98
9) Propene	3.01	41	73169	1.403	ppbv	#	82
10) Heptane	8.11	43	7311	0.051	ppbv	#	1
11) Trichlorofluoromethane	3.94	101	69562	0.247	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	13832	0.066	ppbv		88
13) Ethanol	3.64	45	17701828	1564.976	ppbv		97
15) Acetone	3.84	43	1736409	13.654	ppbv		94
16) 1,3-Butadiene	3.30	39	15470	0.283	ppbv	#	19
17) tert-Butyl alcohol	4.32	59	38811	0.230	ppbv	#	72
19) Isopropyl Alcohol	4.01	45	6825970	87.343	ppbv	#	97
20) Methylene Chloride	4.34	84	1032141	11.529	ppbv		99
21) Allyl Chloride	4.34	41	34764	0.505	ppbv	#	80
23) Vinyl Acetate	5.05	43	54478	0.306	ppbv	#	48
25) Ethyl Acetate	5.68	43	503884	2.011	ppbv	#	75
26) Hexane	5.68	57	806162	5.835	ppbv	#	48
29) Chloroform	5.74	83	43165	0.159	ppbv		91
30) Cyclohexane	7.13	84	17599	0.117	ppbv	#	17
34) 2-Butanone	5.24	43	81783	0.610	ppbv		99
35) Carbon Tetrachloride	7.01	117	14265	0.065	ppbv		90
36) Benzene	6.88	78	111207	0.362	ppbv		93
39) 1,2-Dichloropropane	7.17	63	847029	8.195	ppbv	#	30
41) Tetrahydrofuran	6.31	42	5973	0.078	ppbv	#	24
44) 2,2,4-Trimethylpentane	7.86	57	106541	0.262	ppbv	#	77
50) 4-Methyl-2-Pentanone	8.75	43	52909	0.258	ppbv		93
51) 2-Hexanone	10.13	43	13521	0.082	ppbv	#	21
53) Toluene	9.80	91	1848577	4.990	ppbv		98
58) Ethyl Benzene	12.98	91	16044	0.035	ppbv		100
59) m/p-Xylene	12.98	91	16044	0.041	ppbv	#	28
60) o-Xylene	13.70	91	24833	0.066	ppbv	#	4
72) 4-Ethyltoluene	15.84	105	13771	0.030	ppbv	#	64
74) 1,2,4-Trimethylbenzene	16.76	105	38537	0.086	ppbv	#	64
80) Naphthalene,2-methyl-	24.99	142	1892	0.037	ppbv	#	33

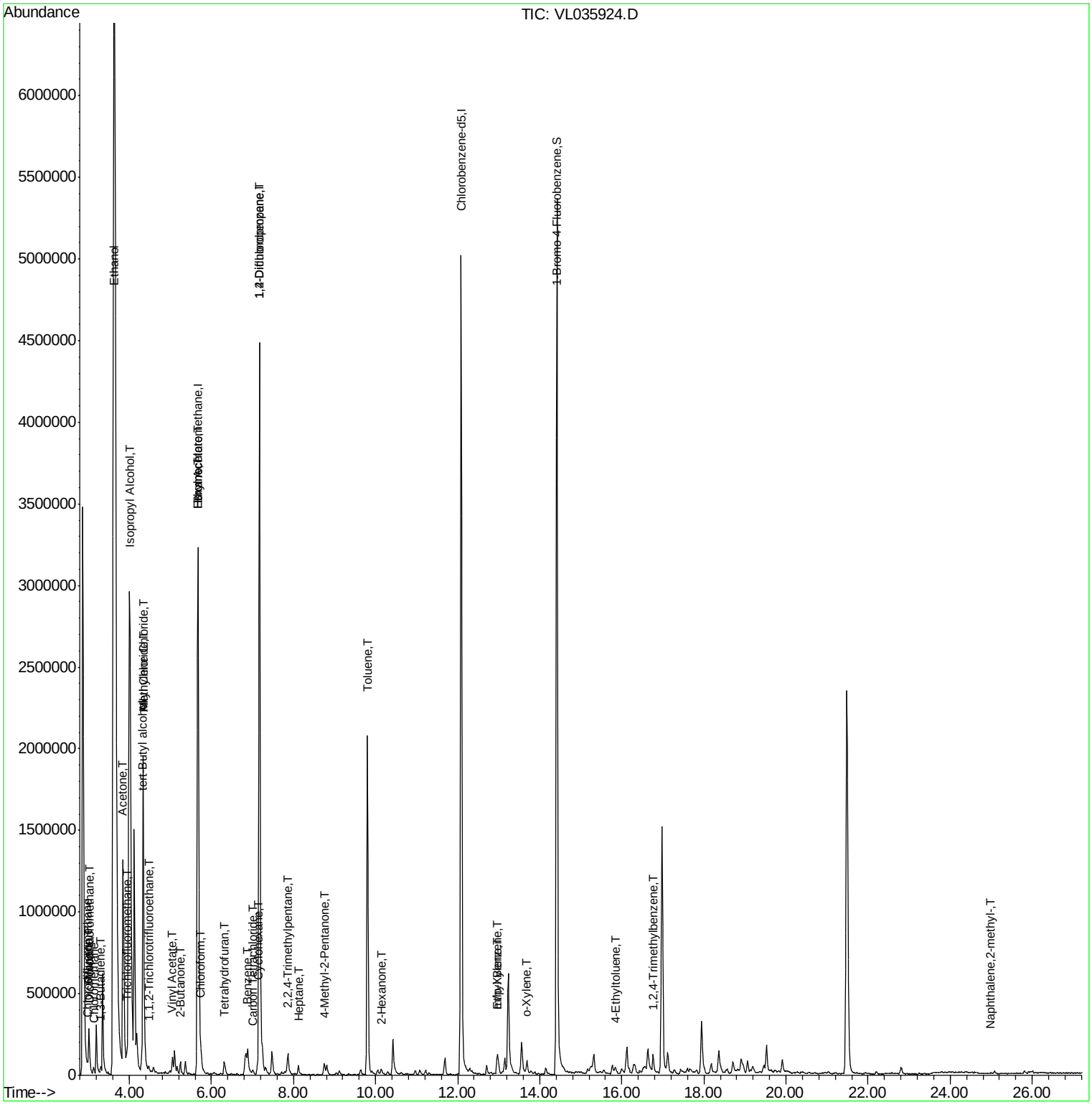
(#) = qualifier out of range (m) = manual integration (+) = signals summed

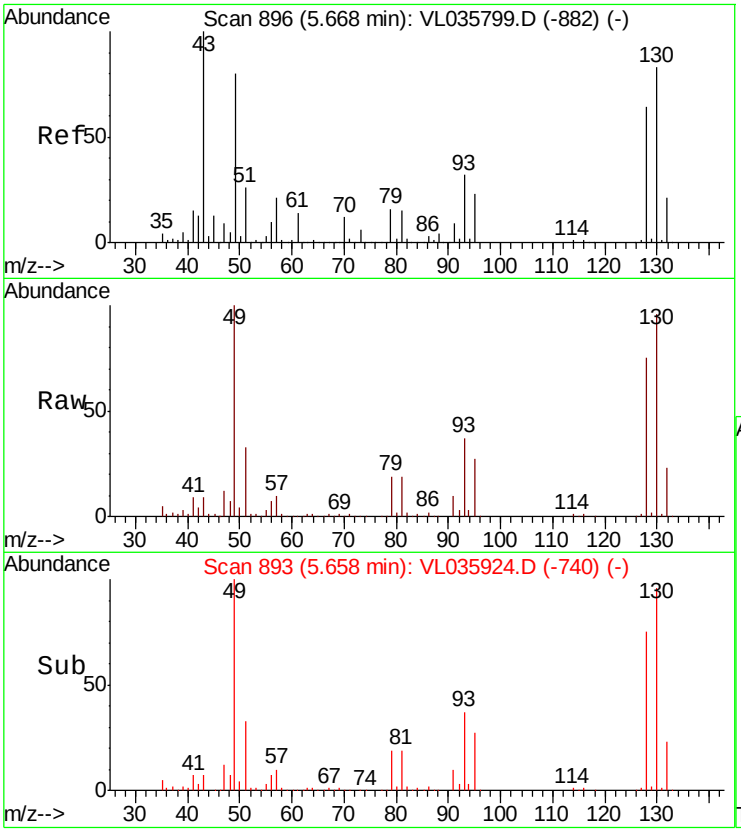
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111220\
Data File : VL035924.D
Acq On : 12 Nov 2020 22:00
Operator : SY/AP
Sample : L4721-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : LA-1DUP

Quant Time: Nov 13 01:00:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration



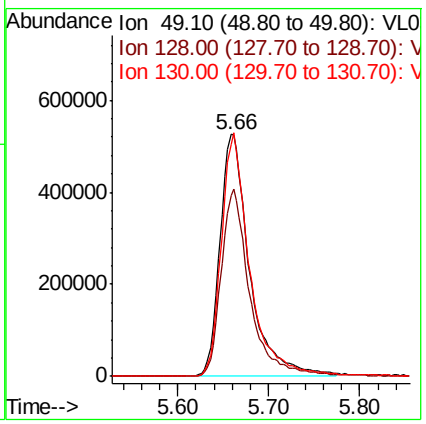


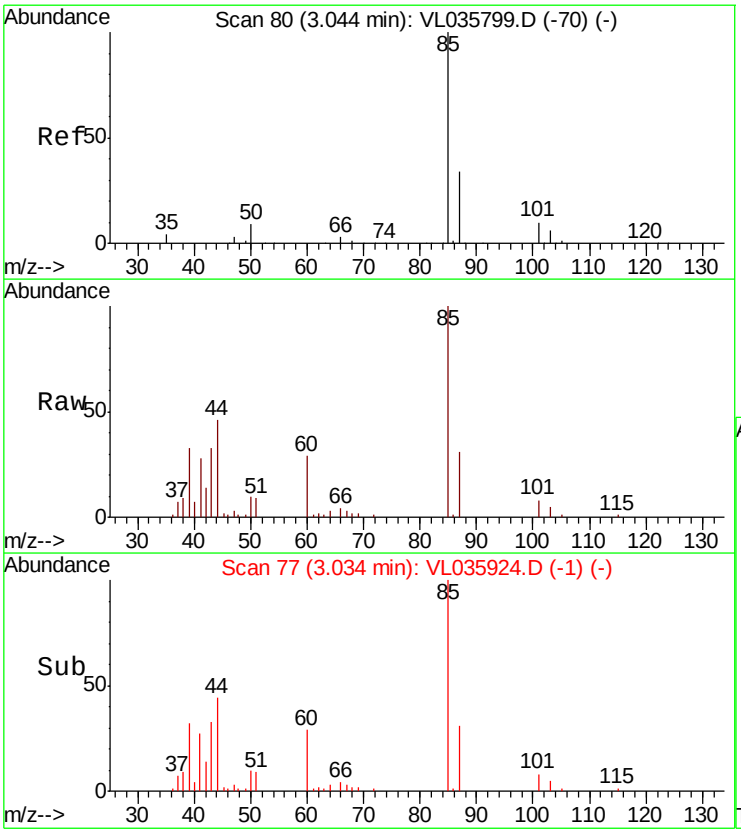
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Instrument :
MSVOA_L
ClientSampleId :
LA-1DUP

Tgt Ion: 49 Resp: 1189542

Ion	Ratio	Lower	Upper
49	100		
128	75.5	41.5	124.6
130	97.1	53.7	161.1

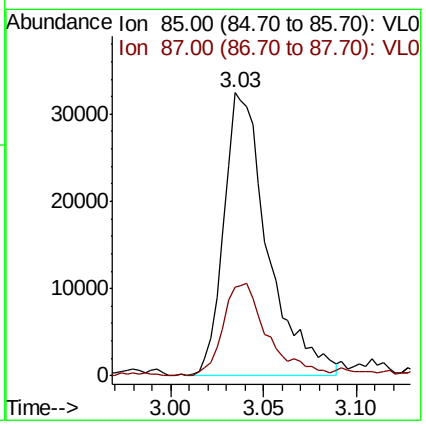


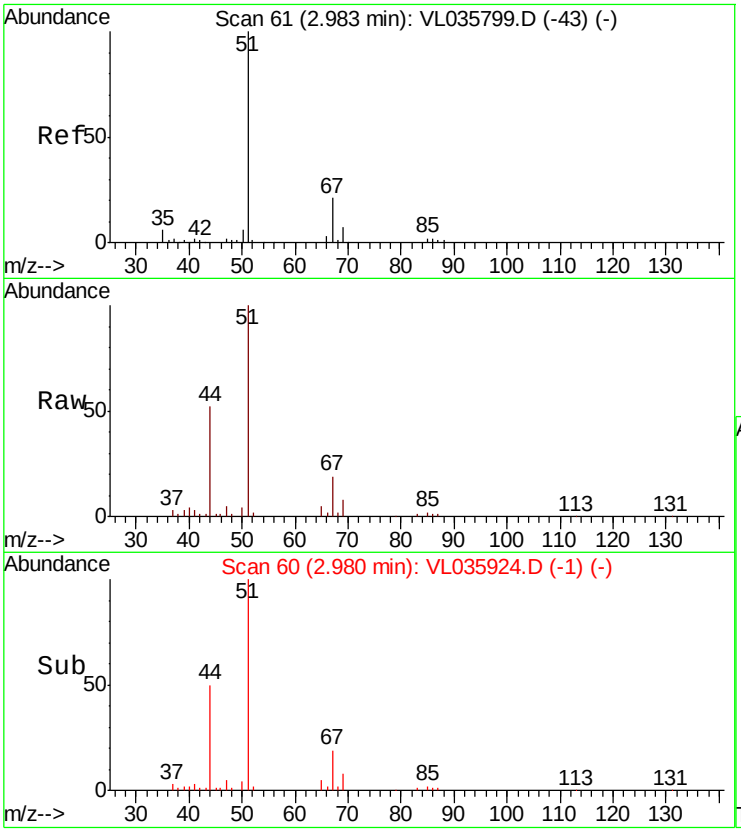


#2
Dichlorodifluoromethane
Concen: 0.240 ppbv
RT: 3.03 min Scan# 77
Delta R.T. -0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Tgt Ion: 85 Resp: 53683

Ion	Ratio	Lower	Upper
85	100		
87	31.2	27.1	40.7



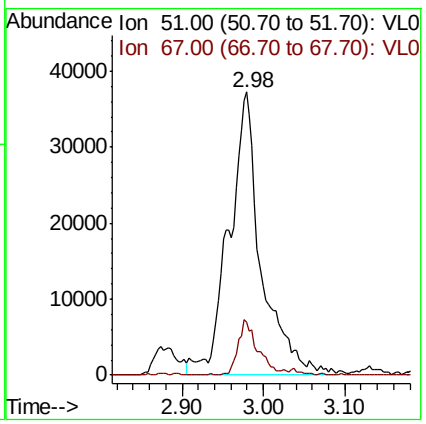


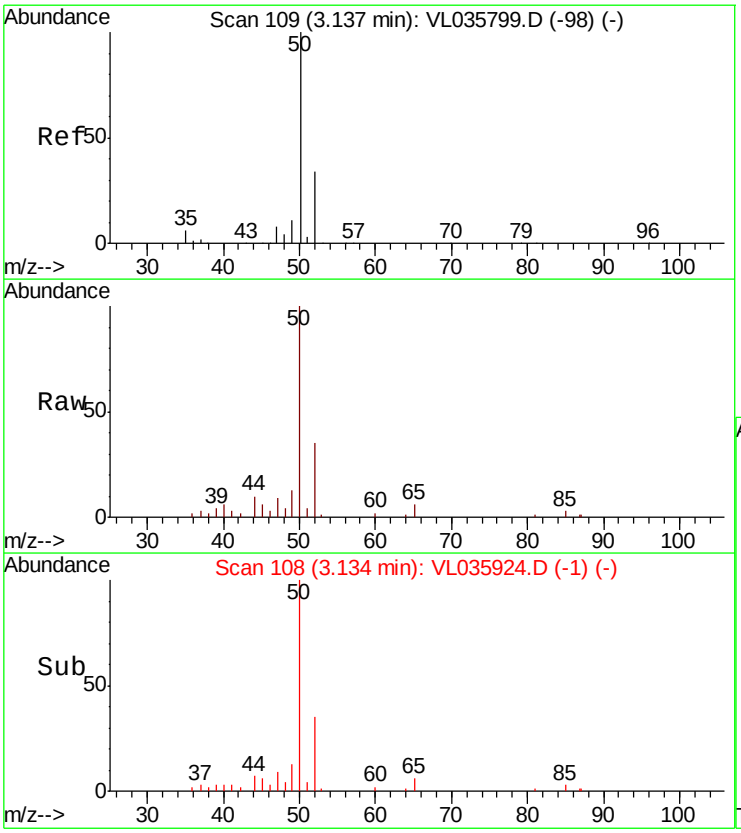
#3
Chlorodifluoromethane
Concen: 0.723 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.00 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Instrument :
MSVOA_L
ClientSampleId :
LA-1DUP

Tgt Ion: 51 Resp: 102956

Ion	Ratio	Lower	Upper
51	100		
67	12.9	17.0	25.4#

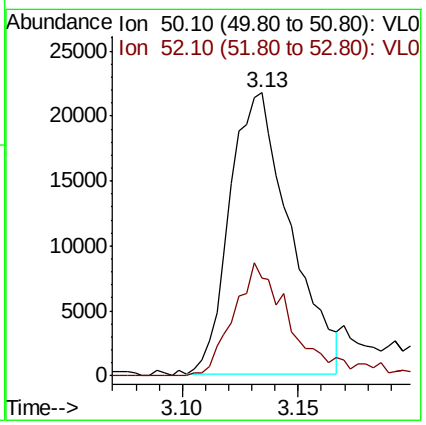


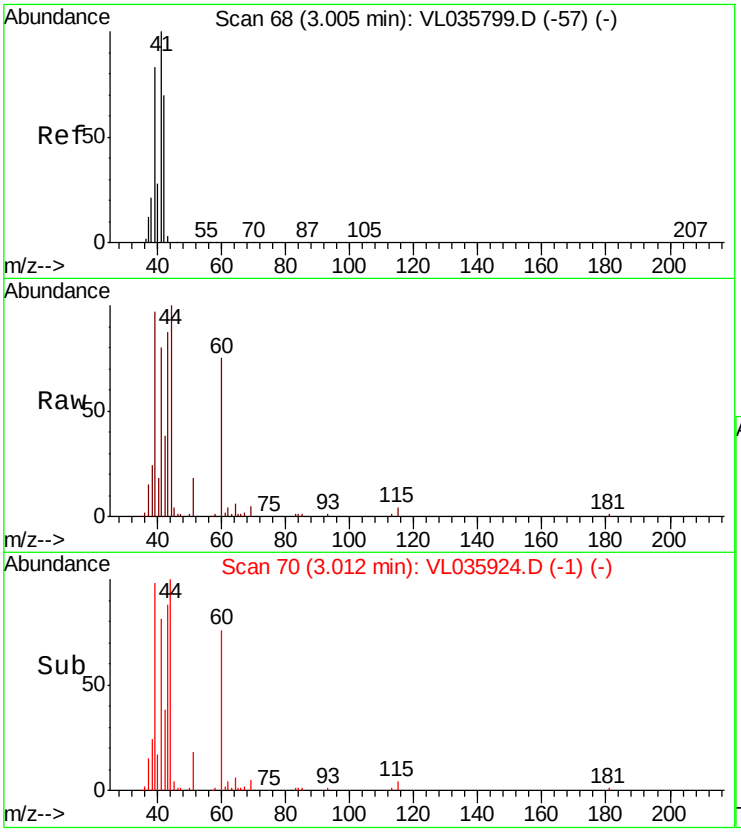


#4
Chloromethane
Concen: 0.568 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.00 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Tgt Ion: 50 Resp: 39304

Ion	Ratio	Lower	Upper
50	100		
52	34.8	27.1	40.7



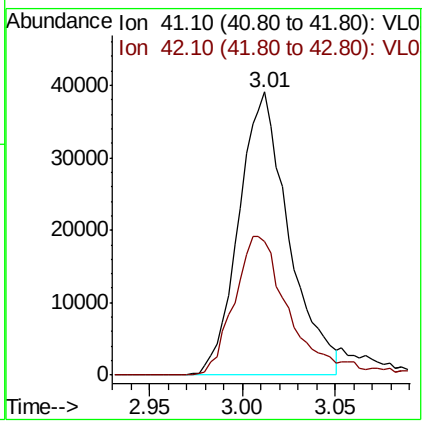


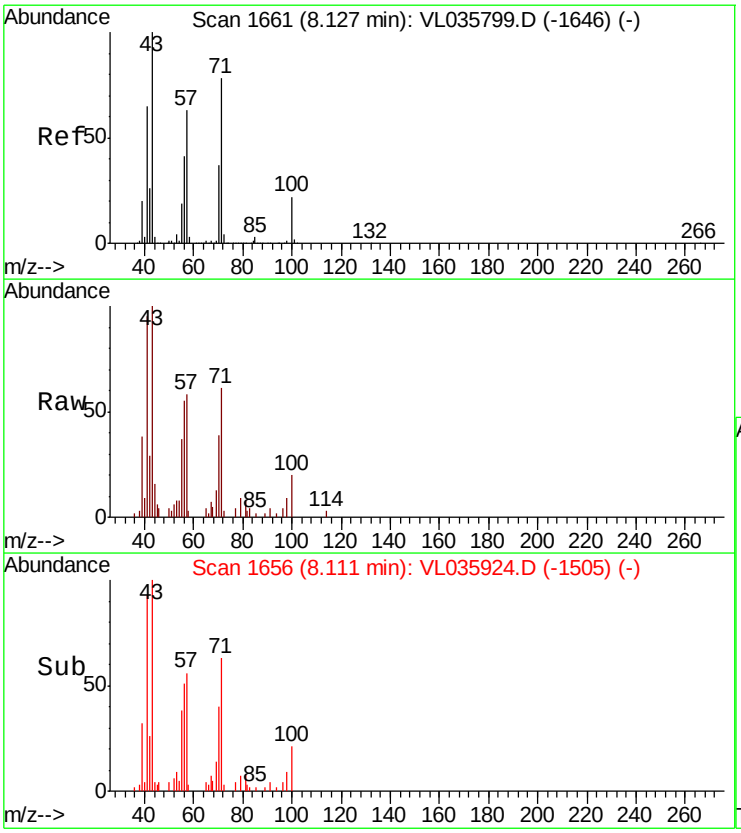
#9
Propene
Concen: 1.403 ppbv
RT: 3.01 min Scan# 70
Delta R.T. 0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Instrument : MSVOA_L
ClientSampleId : LA-1DUP

Tgt Ion: 41 Resp: 73169

Ion	Ratio	Lower	Upper
41	100		
42	55.6	56.2	84.4#

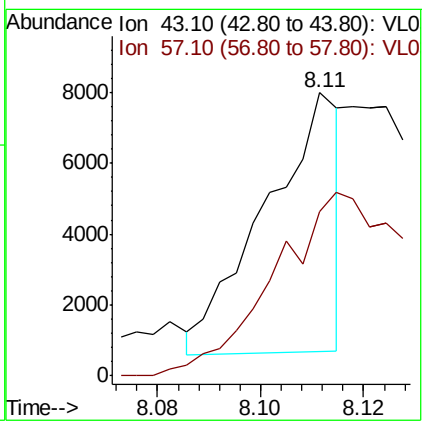


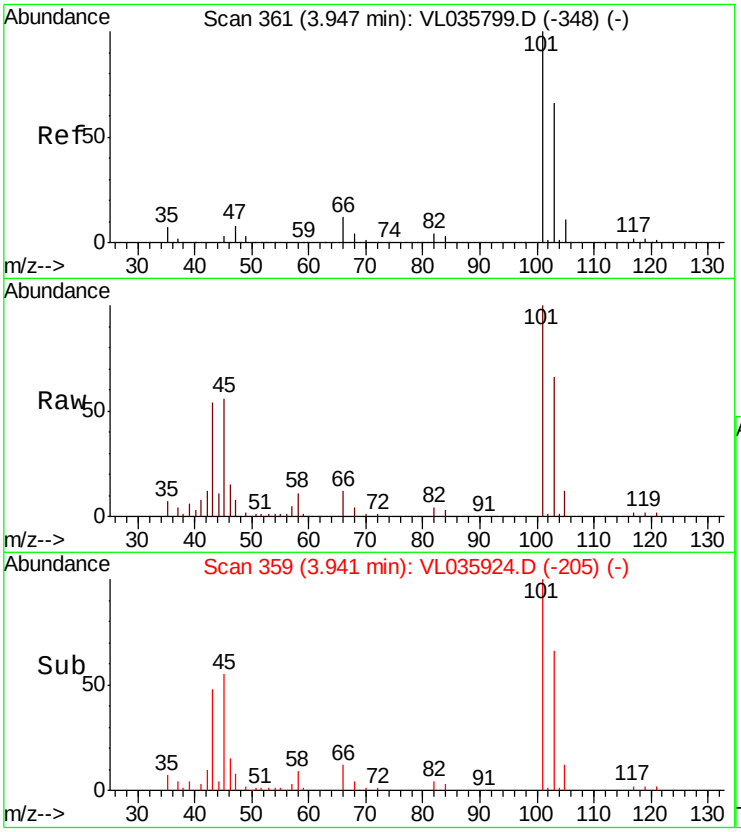


#10
Heptane
Concen: 0.051 ppbv
RT: 8.11 min Scan# 1656
Delta R.T. -0.02 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Tgt Ion: 43 Resp: 7311

Ion	Ratio	Lower	Upper
43	100		
57	151.3	50.0	75.0#



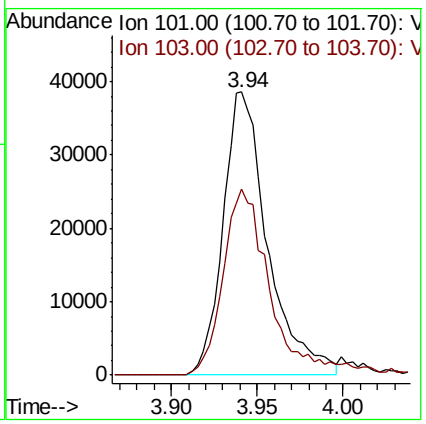


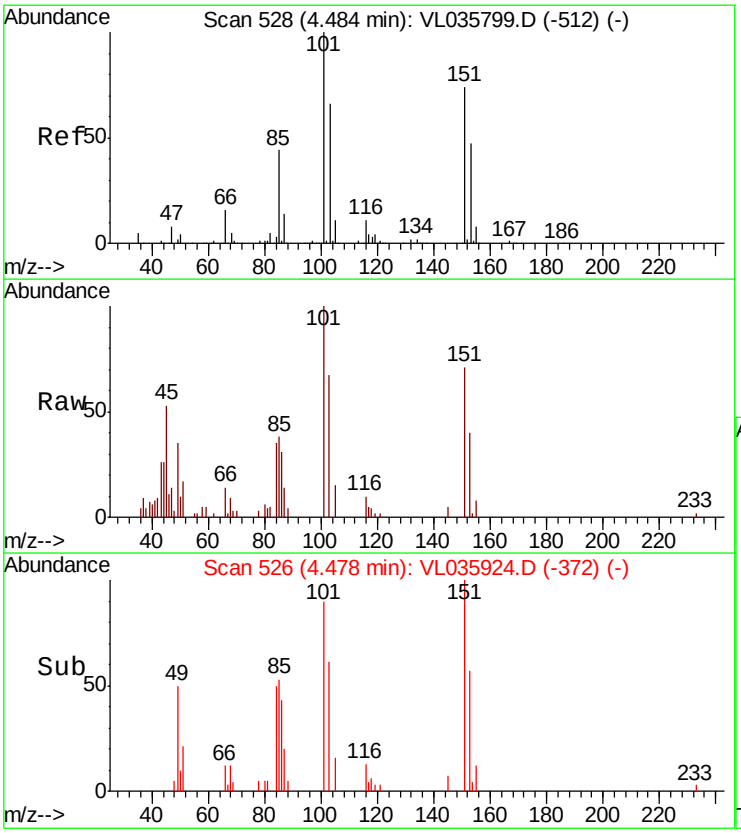
#11
Trichlorofluoromethane
Concen: 0.247 ppbv
RT: 3.94 min Scan# 359
Delta R.T. -0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Instrument :
MSVOA_L
ClientSampleId :
LA-1DUP

Tgt Ion:101 Resp: 69562

Ion	Ratio	Lower	Upper
101	100		
103	65.6	53.0	79.4

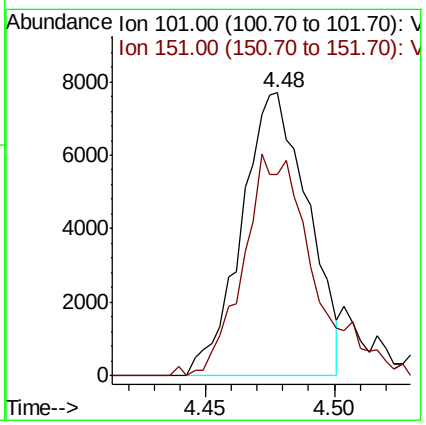


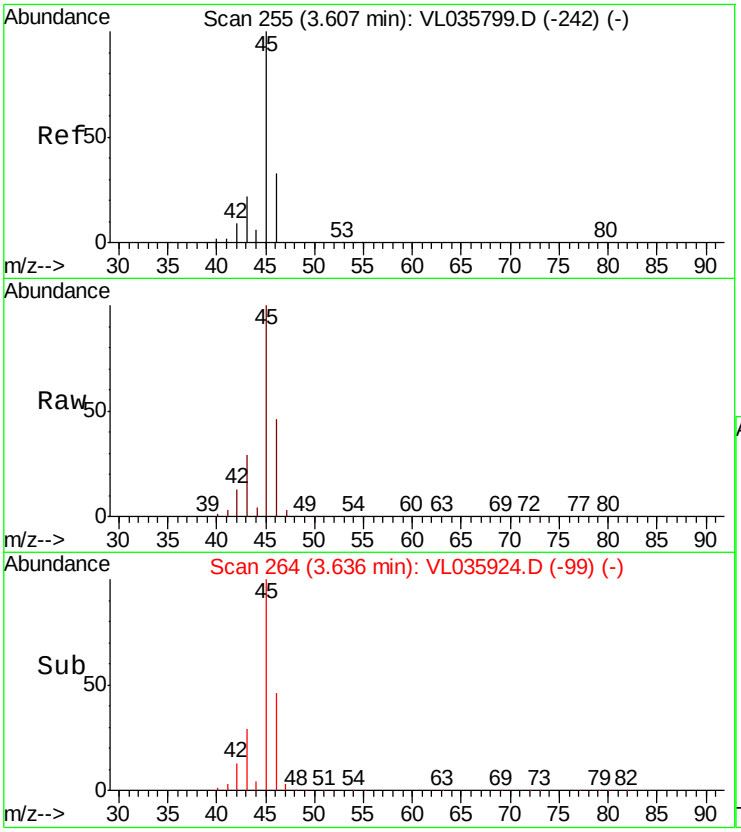


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.066 ppbv
RT: 4.48 min Scan# 526
Delta R.T. -0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Tgt Ion:101 Resp: 13832

Ion	Ratio	Lower	Upper
101	100		
151	83.7	58.9	88.3



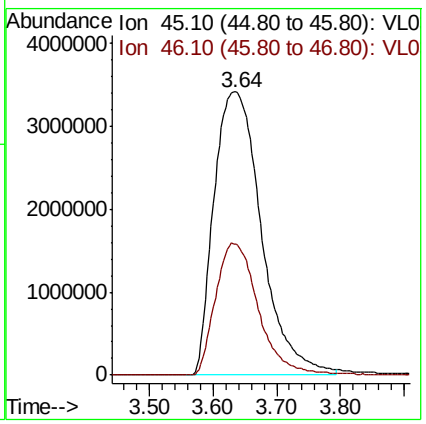


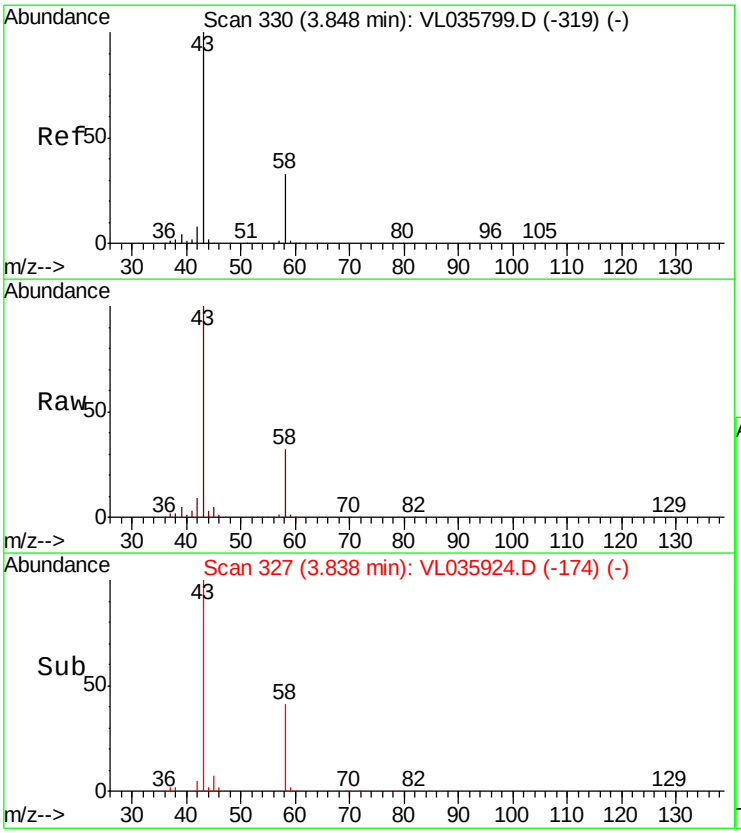
#13
Ethanol
Concen: 1564.976 ppbv
RT: 3.64 min Scan# 264
Delta R.T. 0.03 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Instrument :
MSVOA_L
ClientSampleId :
LA-1DUP

Tgt Ion: 45 Resp:17701828

Ion	Ratio	Lower	Upper
45	100		
46	42.5	16.1	64.5

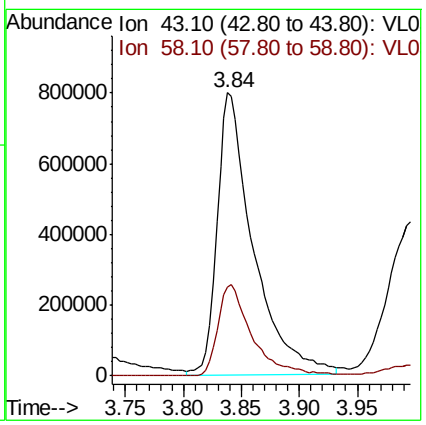


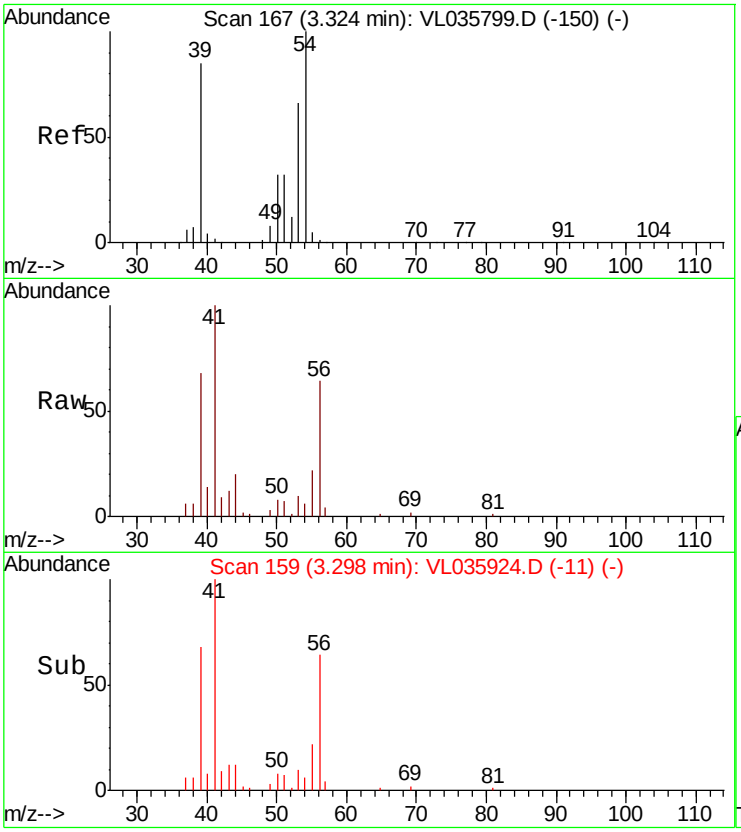


#15
Acetone
Concen: 13.654 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Tgt Ion: 43 Resp: 1736409

Ion	Ratio	Lower	Upper
43	100		
58	31.1	27.5	41.3



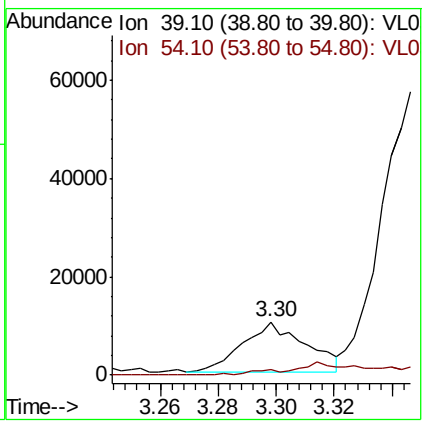


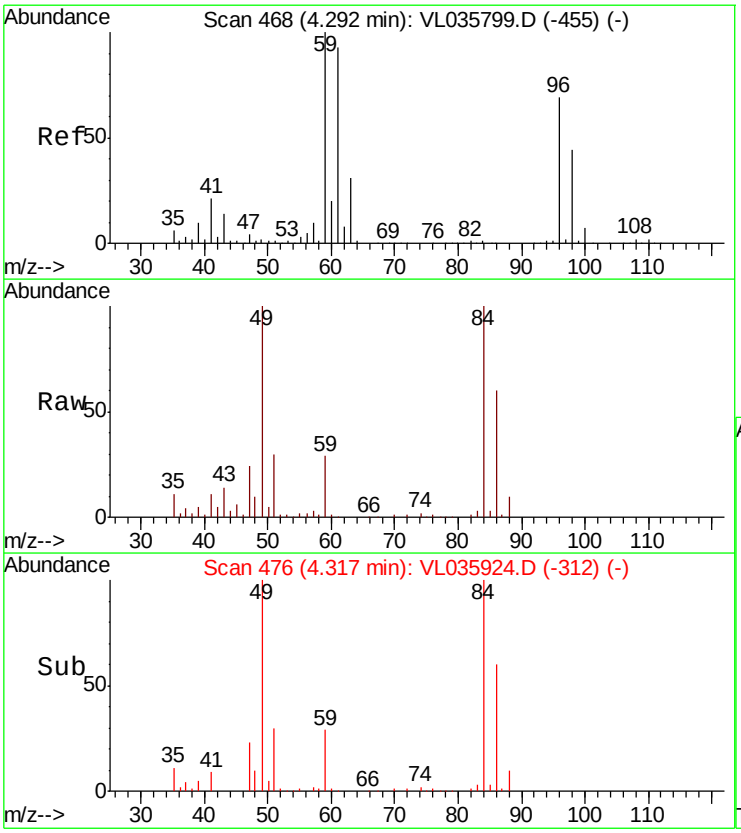
#16
1,3-Butadiene
Concen: 0.283 ppbv
RT: 3.30 min Scan# 159
Delta R.T. -0.03 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Instrument : MSVOA_L
ClientSampleId : LA-1DUP

Tgt Ion: 39 Resp: 15470

Ion	Ratio	Lower	Upper
39	100		
54	24.1	87.1	130.7#

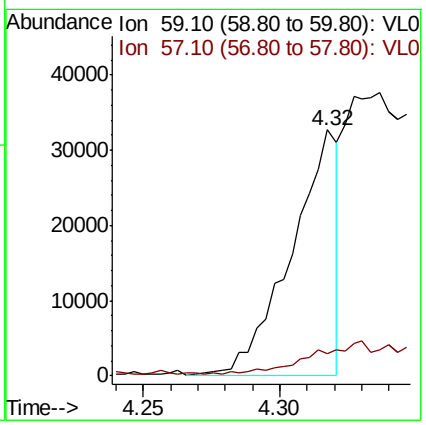


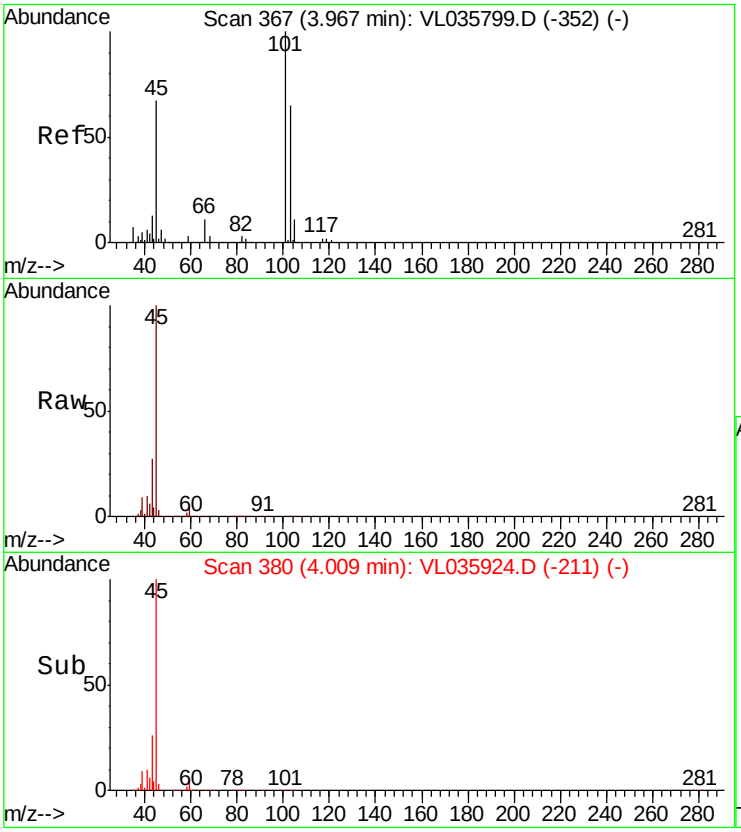


#17
tert-Butyl alcohol
Concen: 0.230 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.03 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Tgt Ion: 59 Resp: 38811

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#



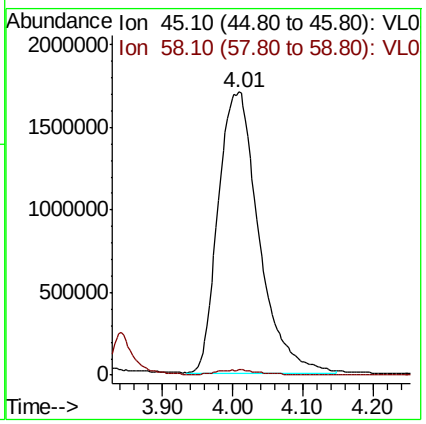


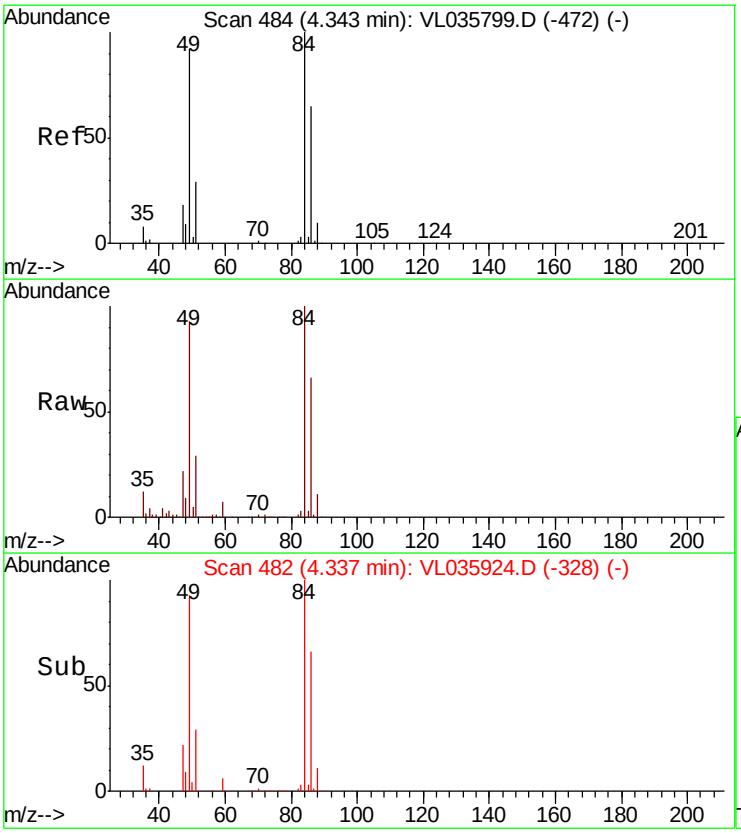
#19
Isopropyl Alcohol
Concen: 87.343 ppbv
RT: 4.01 min Scan# 380
Delta R.T. 0.04 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Instrument :
MSVOA_L
ClientSampleId :
LA-1DUP

Tgt Ion: 45 Resp: 6825970

Ion	Ratio	Lower	Upper
45	100		
58	2.1	2.6	3.8#

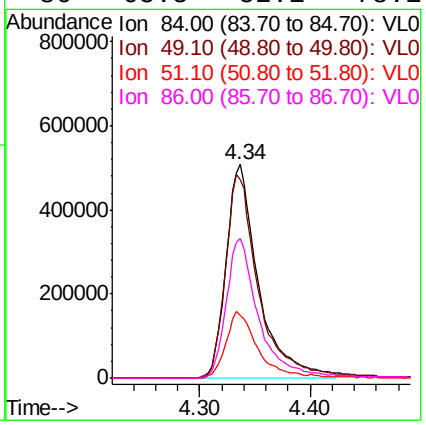


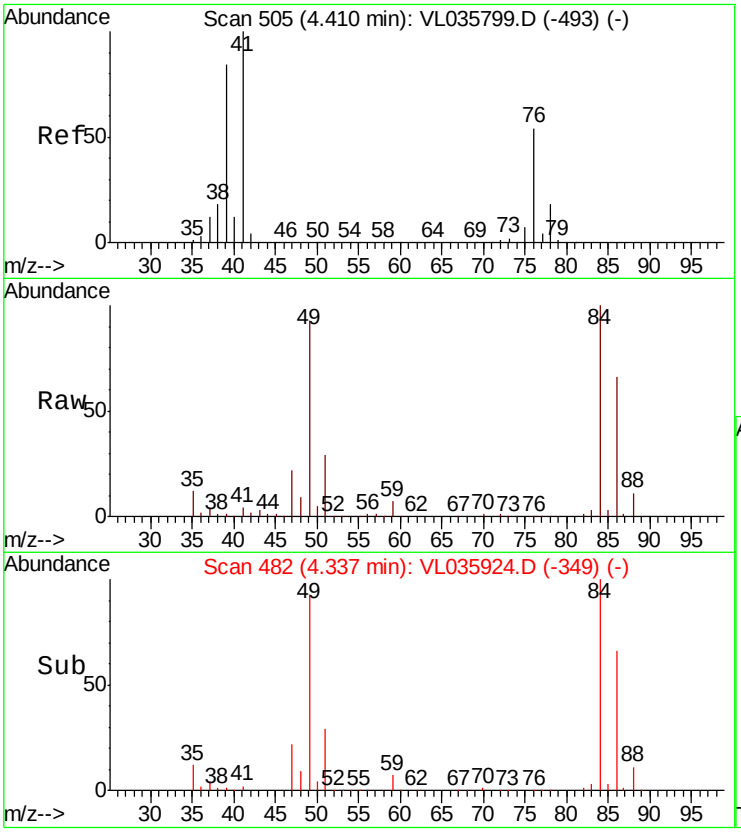


#20
Methylene Chloride
Concen: 11.529 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Tgt Ion: 84 Resp: 1032141

Ion	Ratio	Lower	Upper
84	100		
49	92.6	73.8	110.8
51	29.3	23.0	34.4
86	65.5	52.1	78.1



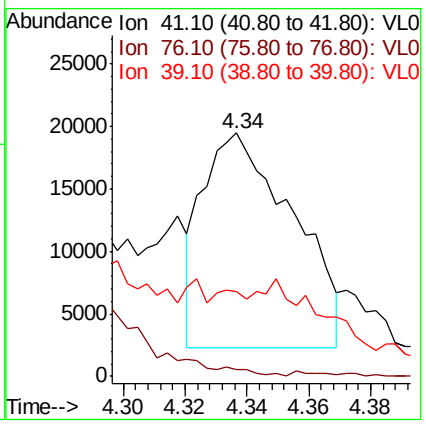


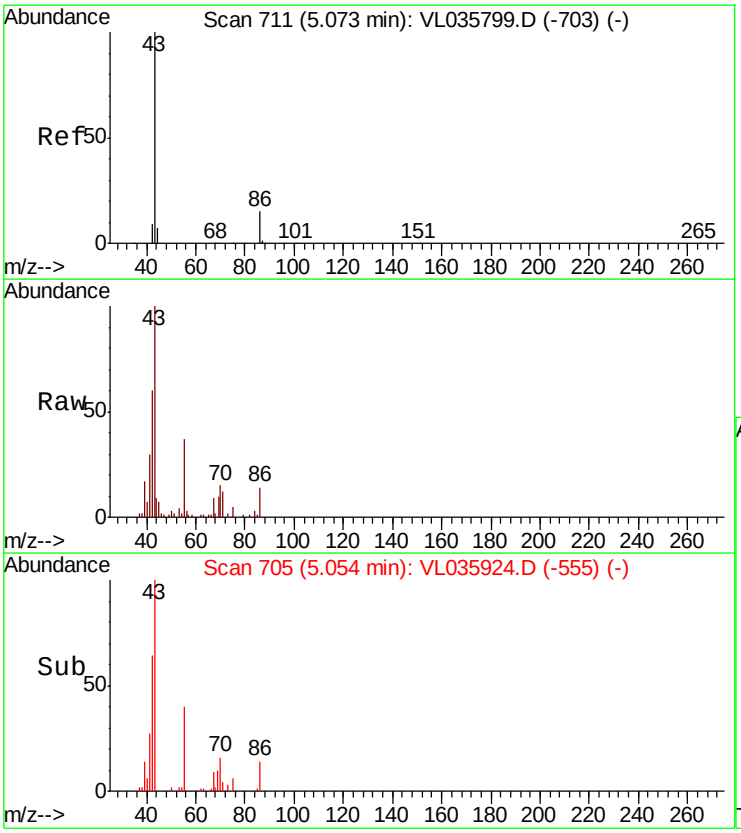
#21
Allvl Chloride
Concen: 0.505 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.07 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Instrument : MSVOA_L
ClientSampleId : LA-1DUP

Tgt Ion: 41 Resp: 34764

Ion	Ratio	Lower	Upper
41	100		
76	36.0	42.6	63.8#
39	68.5	67.0	100.4

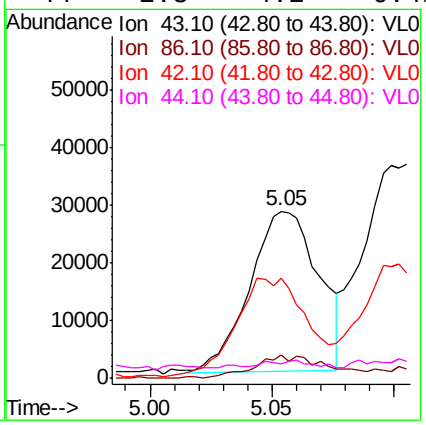


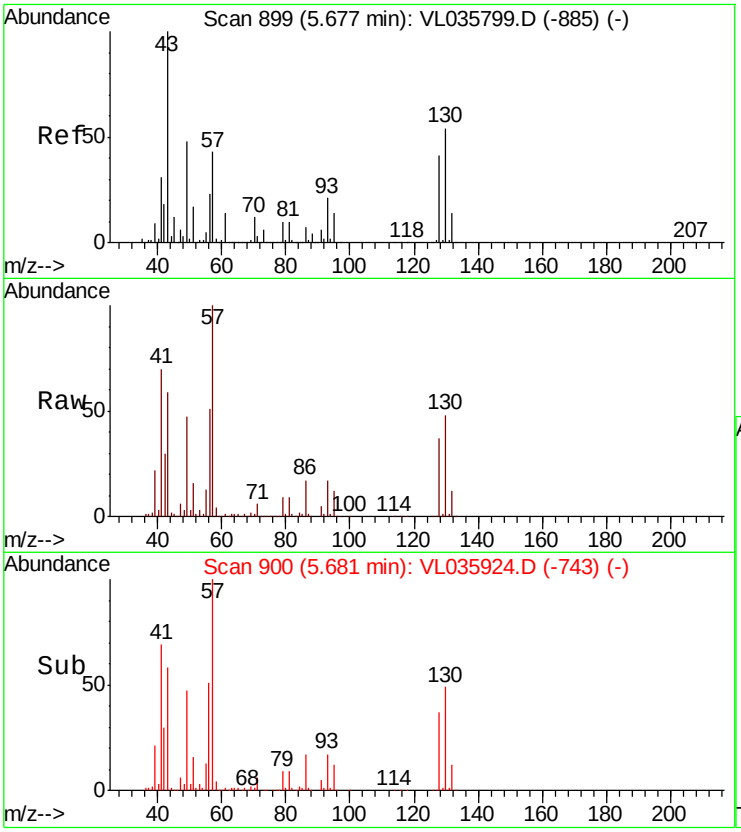


#23
Vinyl Acetate
Concen: 0.306 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.02 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Tgt Ion: 43 Resp: 54478

Ion	Ratio	Lower	Upper
43	100		
86	14.3	9.8	14.6
42	59.1	8.1	12.1#
44	2.3	4.2	6.4#



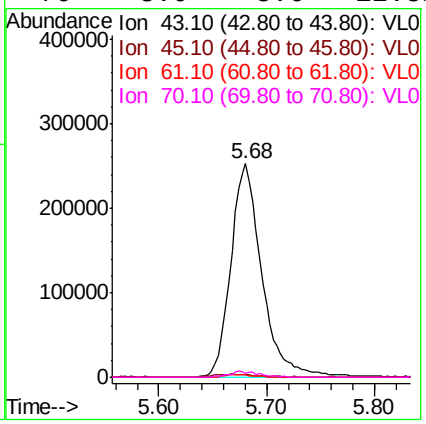


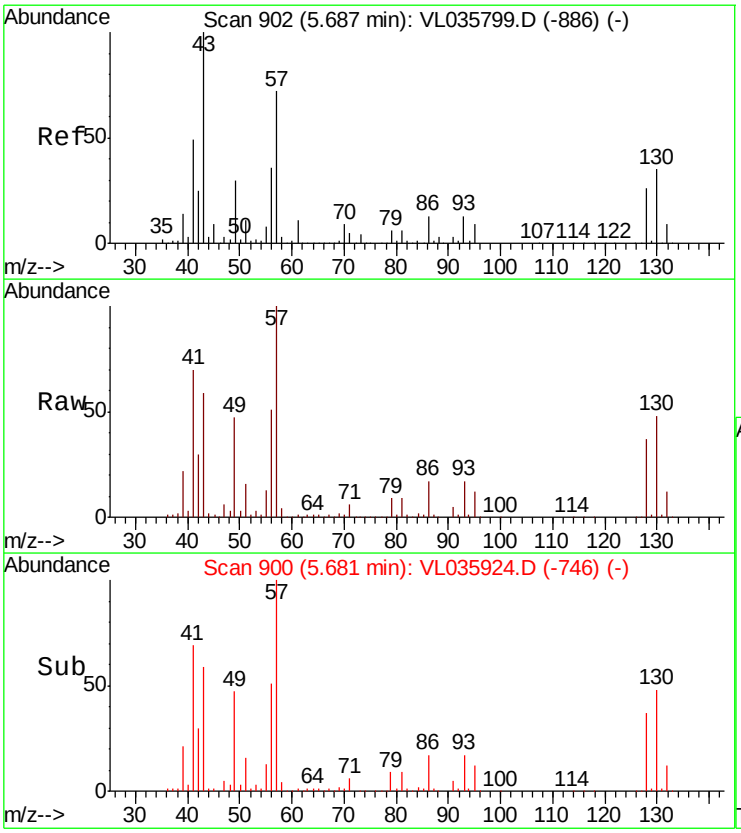
#25
Ethyl Acetate
Concen: 2.011 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Instrument : MSVOA_L
ClientSampleId : LA-1DUP

Tgt Ion: 43 Resp: 503884

Ion	Ratio	Lower	Upper
43	100		
45	2.0	8.5	12.7#
61	1.3	10.7	16.1#
70	3.0	8.6	12.8#

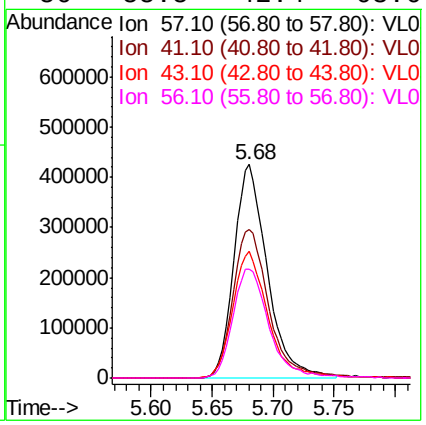


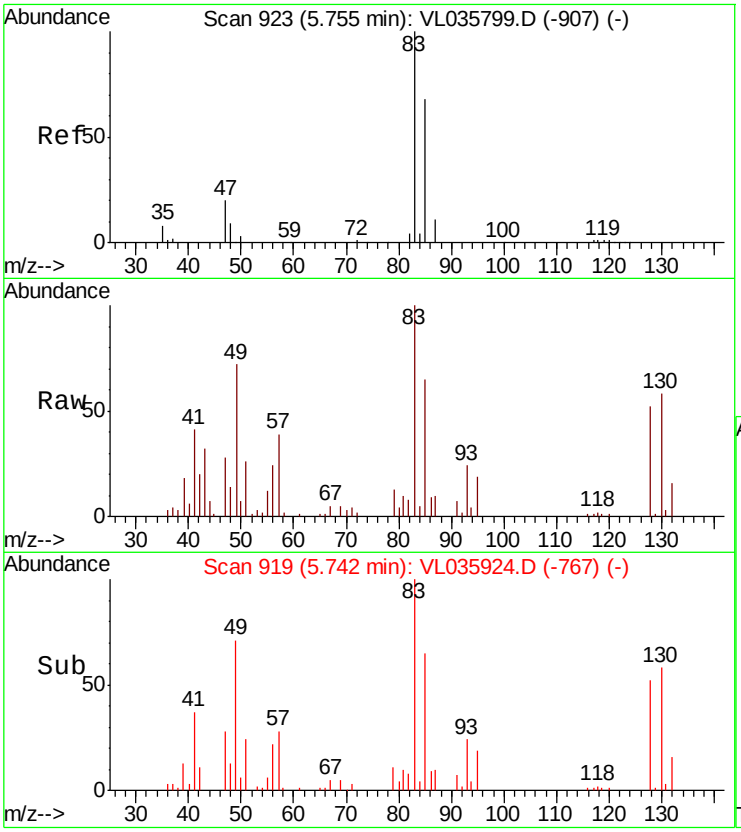


#26
Hexane
Concen: 5.835 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Tgt Ion: 57 Resp: 806162

Ion	Ratio	Lower	Upper
57	100		
41	75.5	58.9	88.3
43	63.0	150.2	225.2#
56	55.5	42.4	63.6



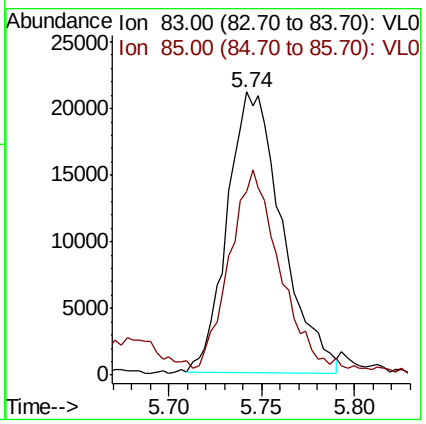


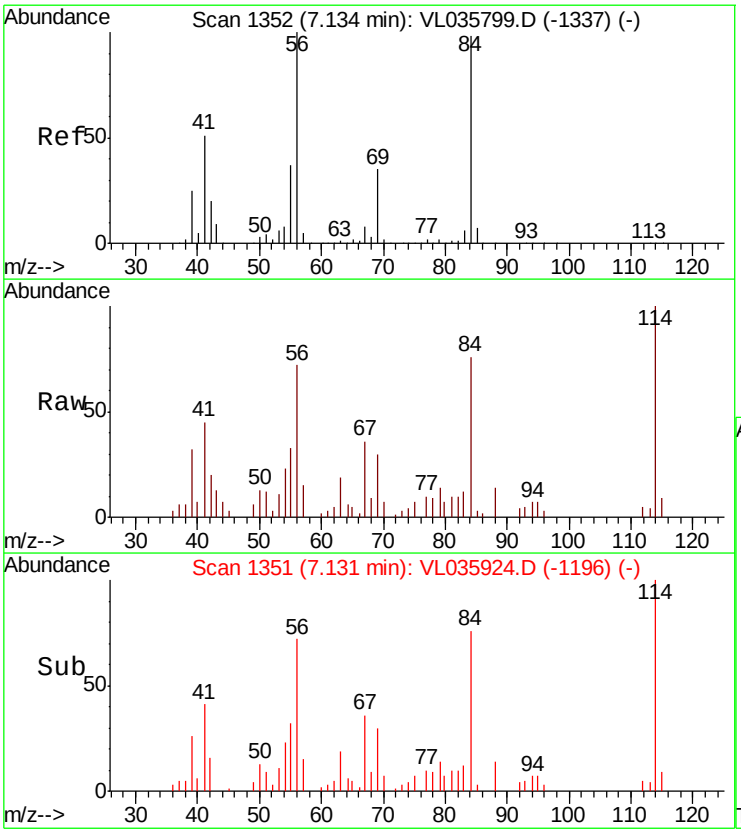
#29
Chloroform
Concen: 0.159 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Instrument : MSVOA_L
ClientSampleId : LA-1DUP

Tgt Ion: 83 Resp: 43165

Ion	Ratio	Lower	Upper
83	100		
85	60.7	54.6	81.8

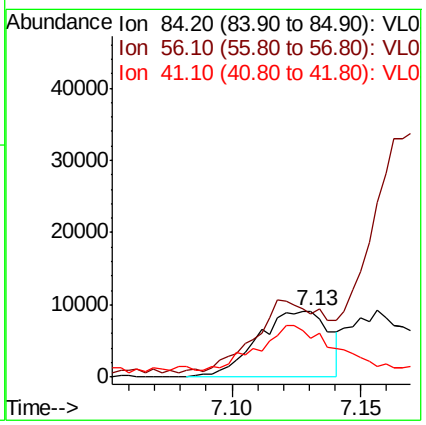


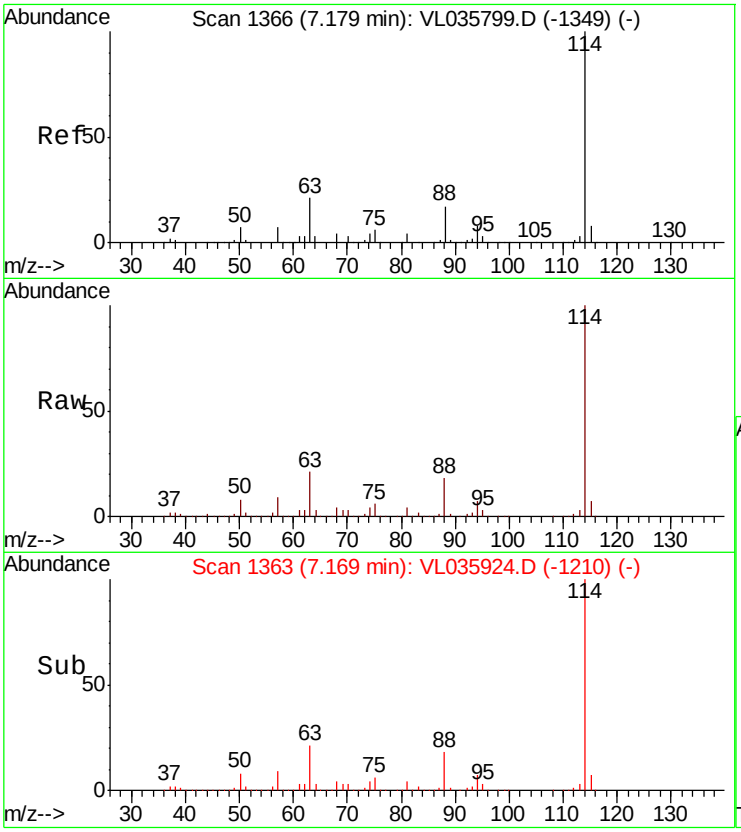


#30
Cyclohexane
Concen: 0.117 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Tgt Ion: 84 Resp: 17599

Ion	Ratio	Lower	Upper
84	100		
56	0.0	86.4	129.6#
41	81.3	42.1	63.1#



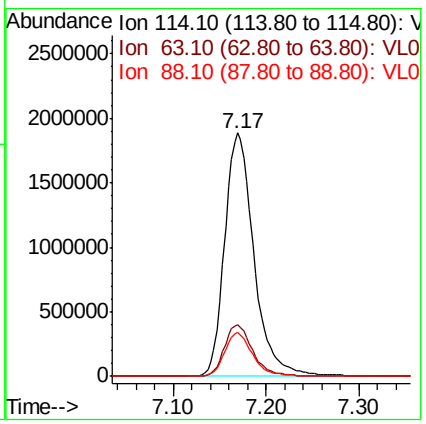


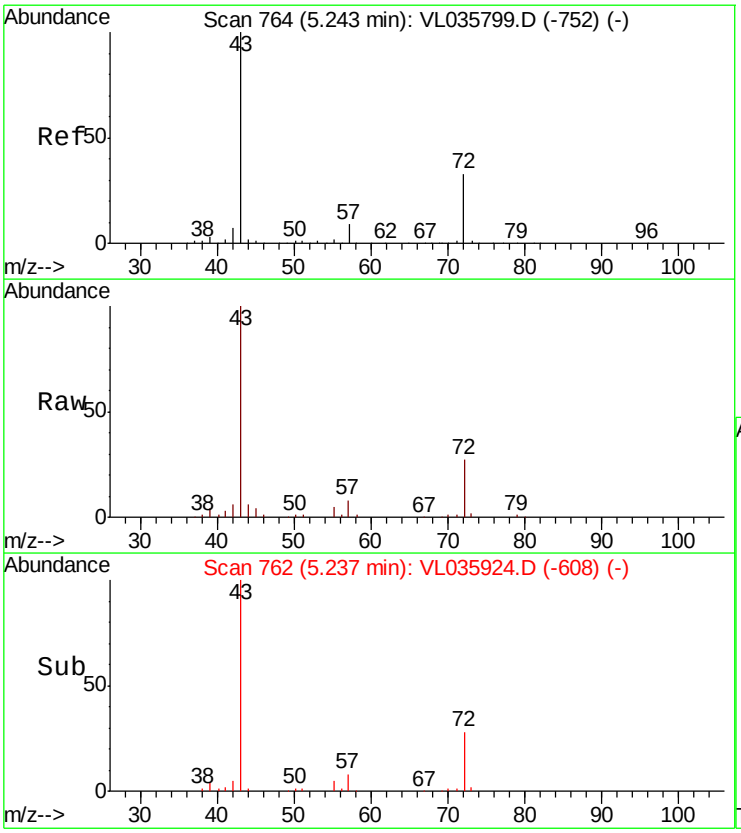
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Instrument :
MSVOA_L
ClientSampleId :
LA-1DUP

Tgt Ion:114 Resp: 4129579

Ion	Ratio	Lower	Upper
114	100		
63	21.0	16.1	24.1
88	17.4	13.7	20.5

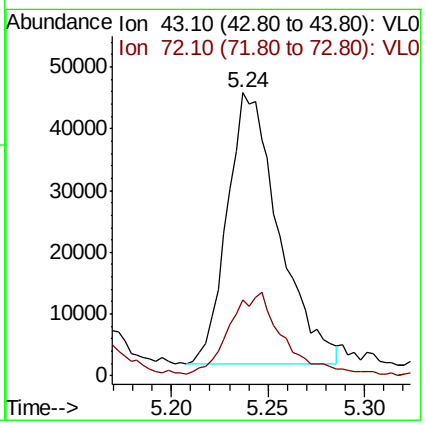


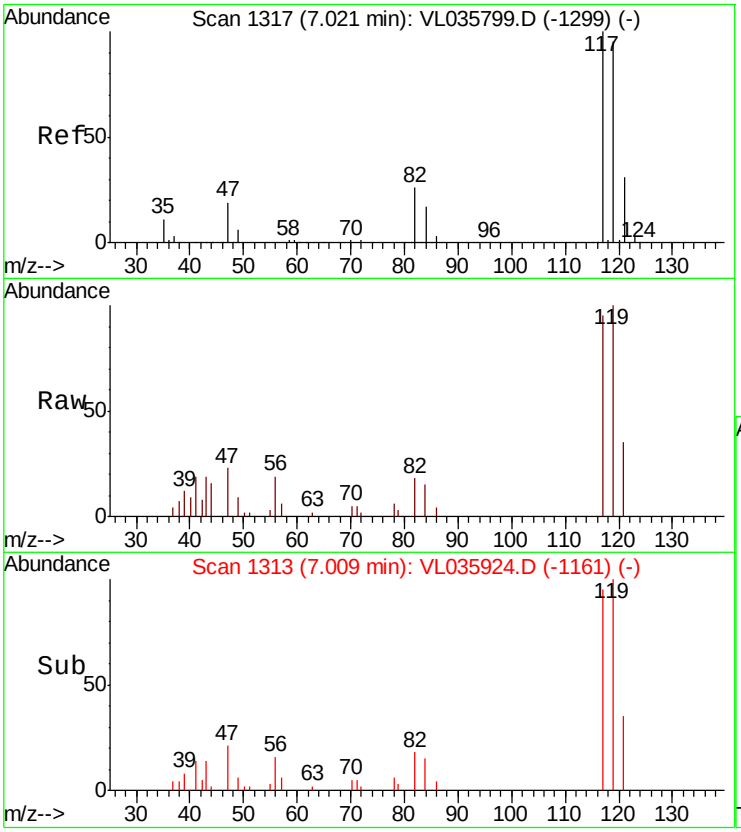


#34
2-Butanone
Concen: 0.610 ppbv
RT: 5.24 min Scan# 762
Delta R.T. -0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Tgt Ion: 43 Resp: 81783

Ion	Ratio	Lower	Upper
43	100		
72	33.6	26.5	39.7



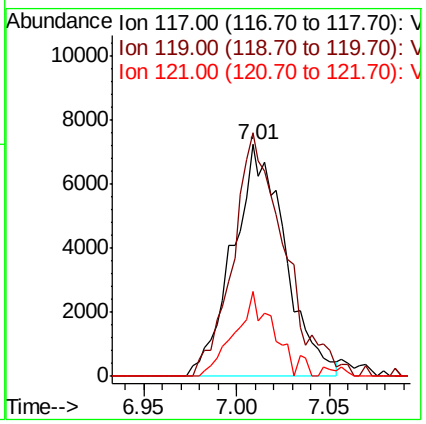


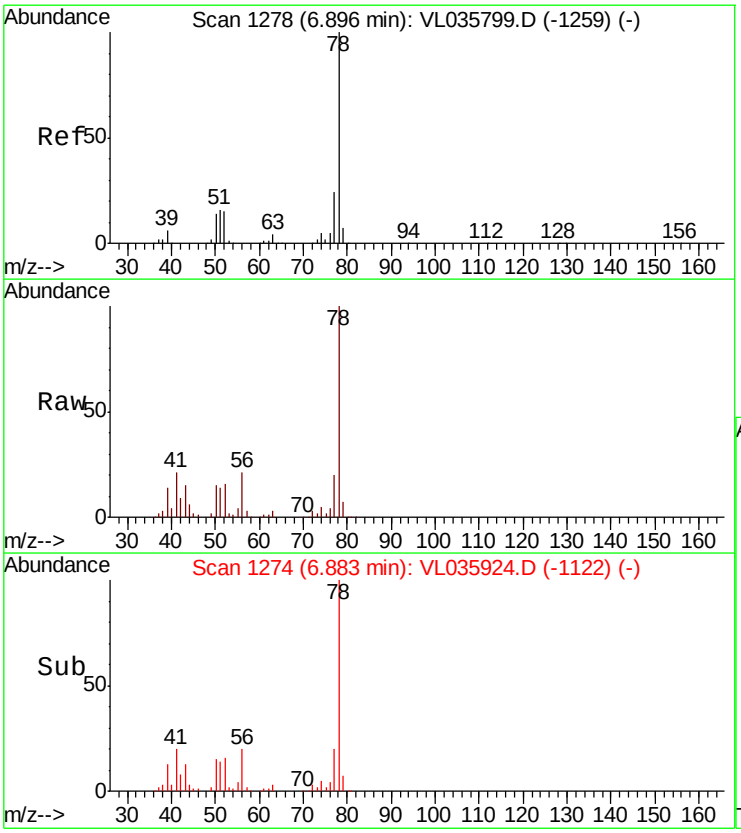
#35
Carbon Tetrachloride
Concen: 0.065 ppbv
RT: 7.01 min Scan# 1313
Delta R.T. -0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Instrument : MSVOA_L
ClientSampleId : LA-1DUP

Tgt Ion:117 Resp: 14265

Ion	Ratio	Lower	Upper
117	100		
119	104.9	75.6	113.4
121	36.5	25.1	37.7

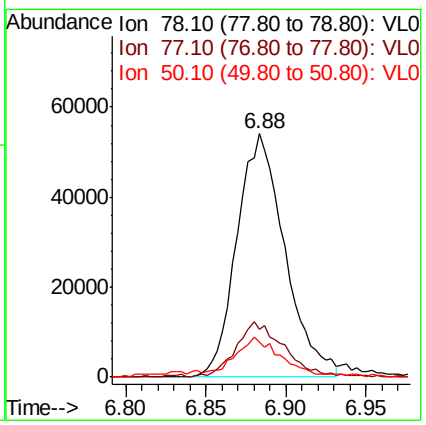


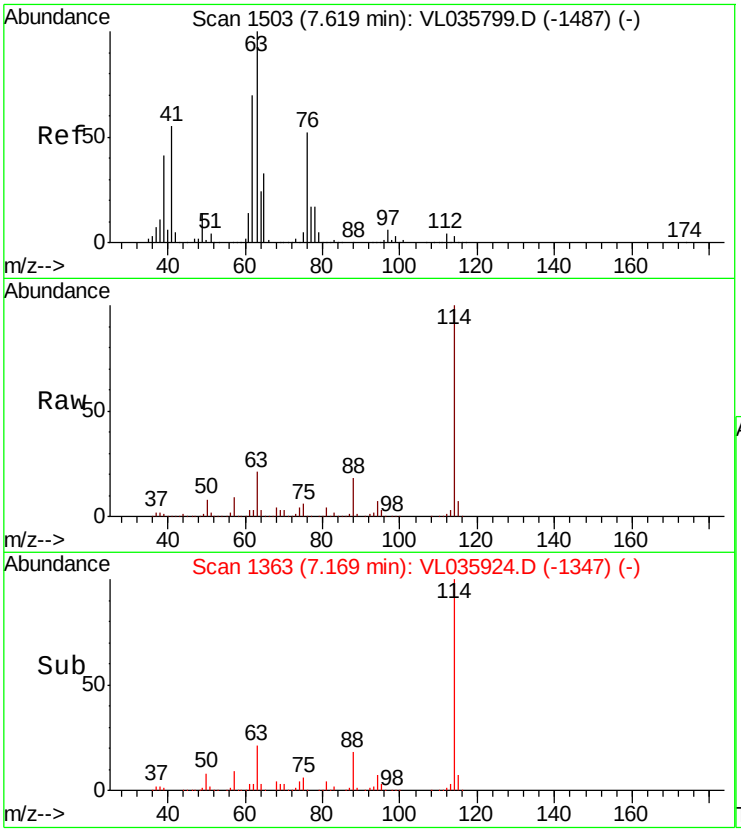


#36
Benzene
Concen: 0.362 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Tgt Ion: 78 Resp: 111207

Ion	Ratio	Lower	Upper
78	100		
77	19.5	19.3	28.9
50	13.3	11.4	17.2



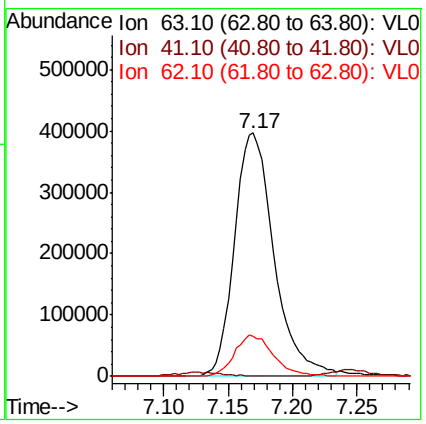


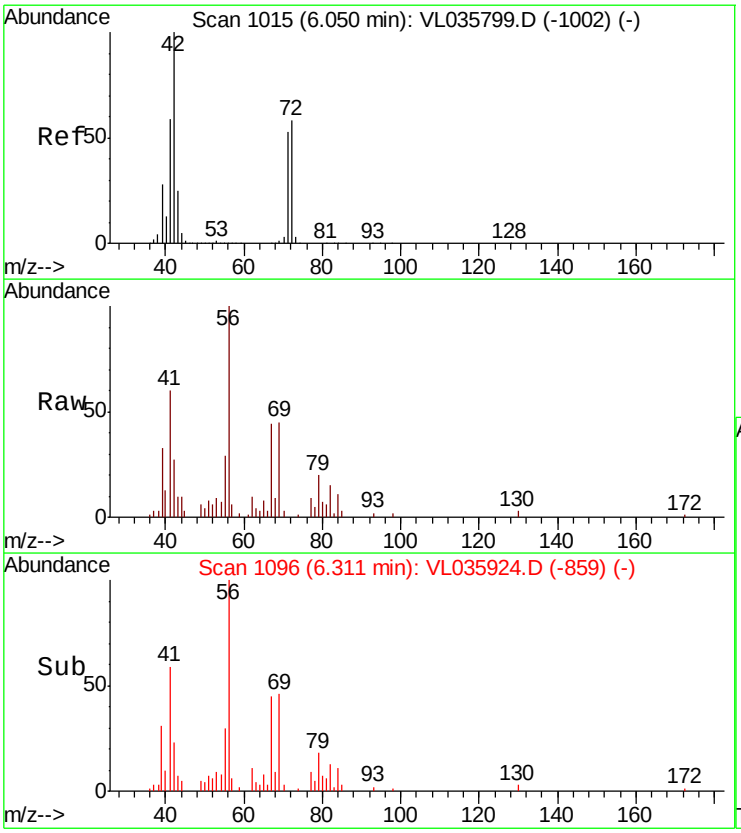
#39
1,2-Dichloropropane
Concen: 8.195 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.45 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Instrument : MSVOA_L
ClientSampleId : LA-1DUP

Tgt Ion: 63 Resp: 847029

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

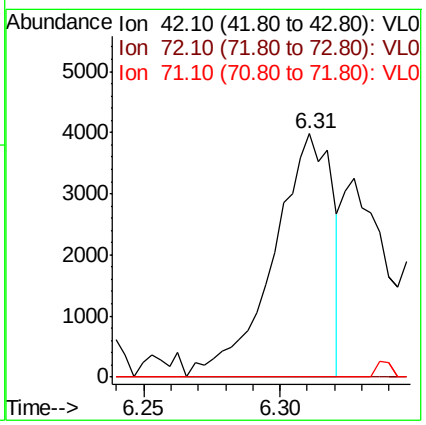


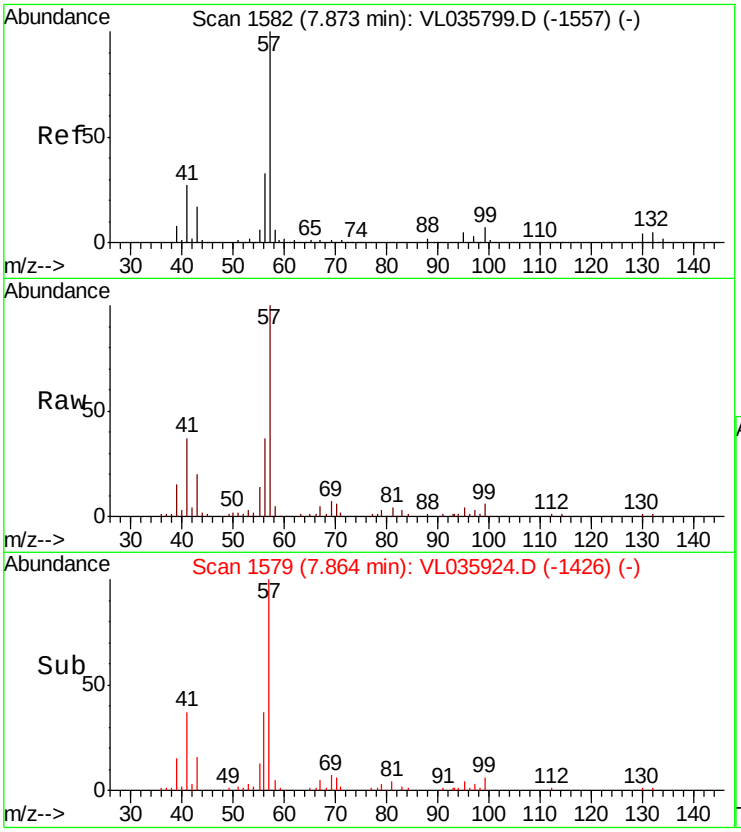


#41
Tetrahydrofuran
Concen: 0.078 ppbv
RT: 6.31 min Scan# 1096
Delta R.T. 0.26 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Tgt Ion: 42 Resp: 5973

Ion	Ratio	Lower	Upper
42	100		
72	0.0	45.4	68.0#
71	0.0	43.4	65.2#



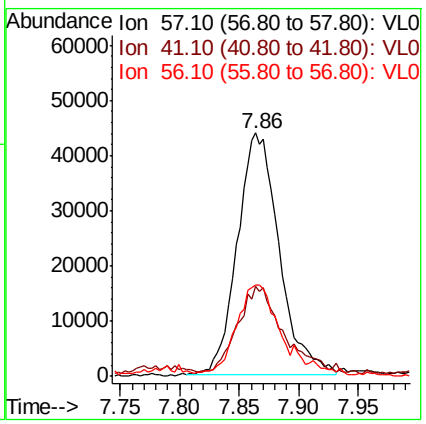


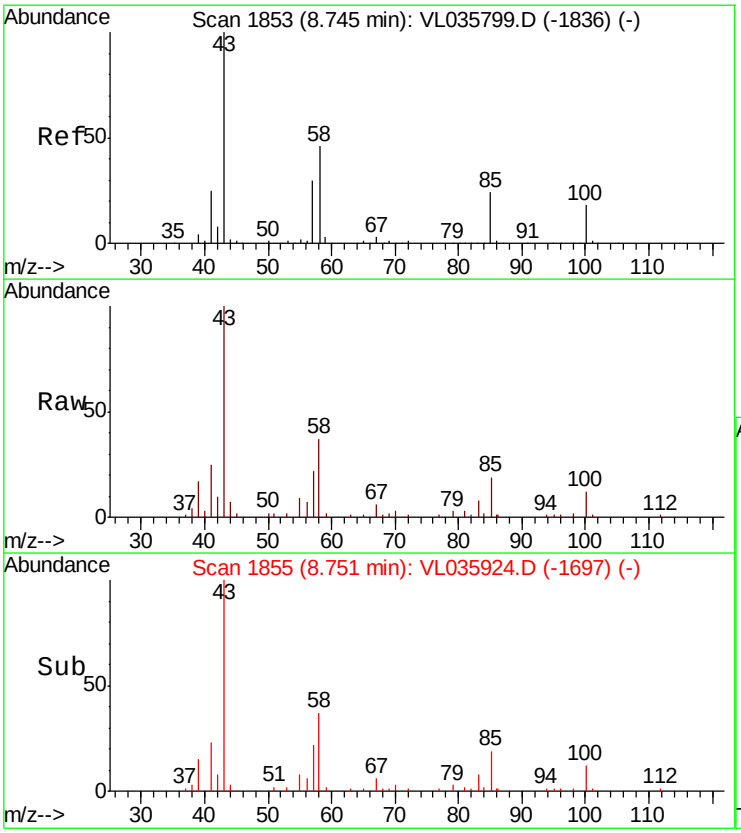
#44
2,2,4-Trimethylpentane
Concen: 0.262 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Instrument : MSVOA_L
ClientSampleId : LA-1DUP

Tgt Ion: 57 Resp: 106541

Ion	Ratio	Lower	Upper
57	100		
41	40.4	21.0	31.4#
56	42.6	25.4	38.0#

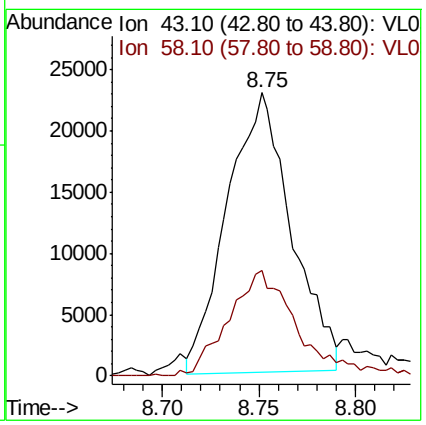


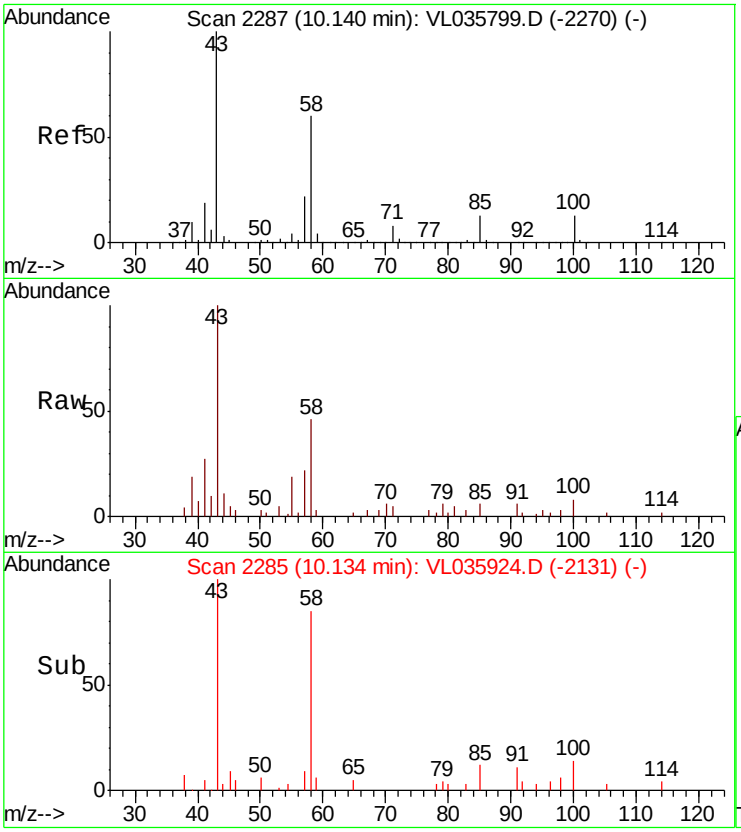


#50
4-Methyl-2-Pentanone
Concen: 0.258 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Tgt Ion: 43 Resp: 52909

Ion	Ratio	Lower	Upper
43	100		
58	40.4	36.0	54.0



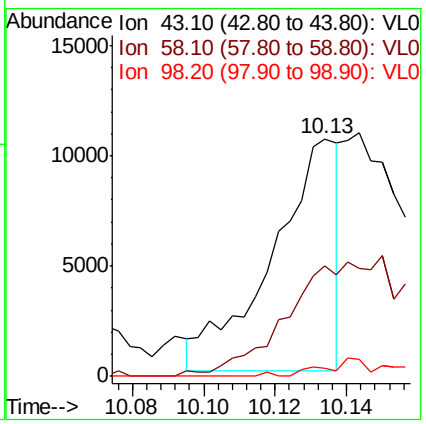


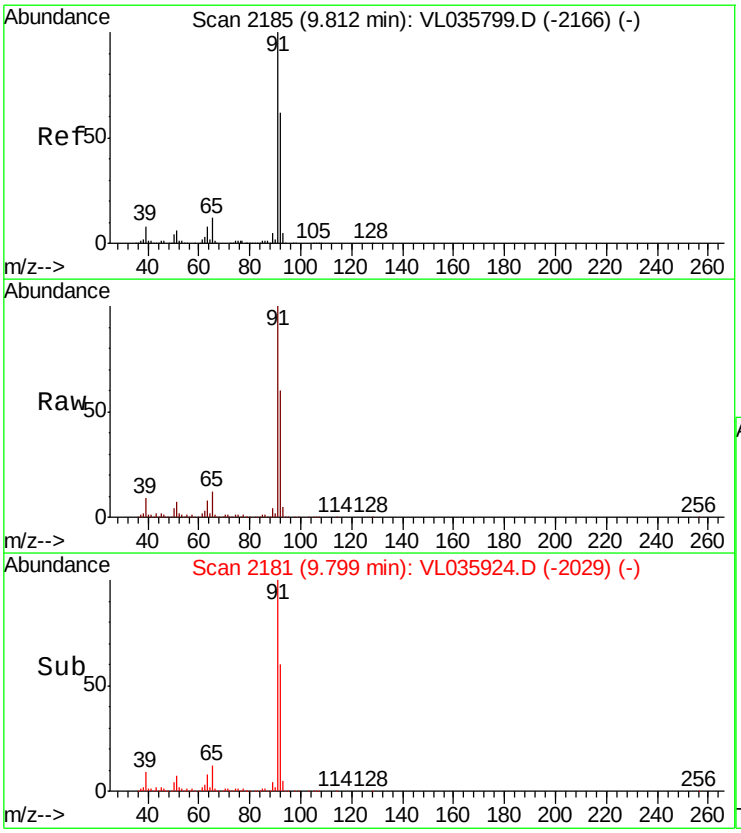
#51
2-Hexanone
Concen: 0.082 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Instrument : MSVOA_L
ClientSampleId : LA-1DUP

Tgt Ion: 43 Resp: 13521

Ion	Ratio	Lower	Upper
43	100		
58	0.0	48.3	72.5#
98	0.0	0.6	0.8#

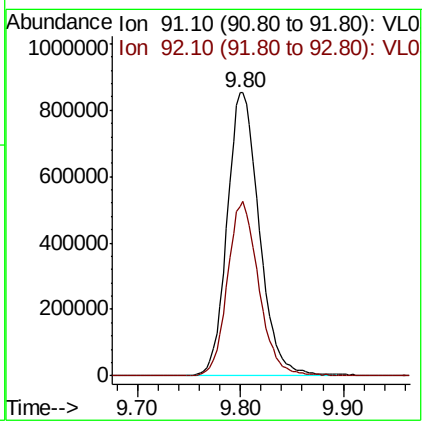


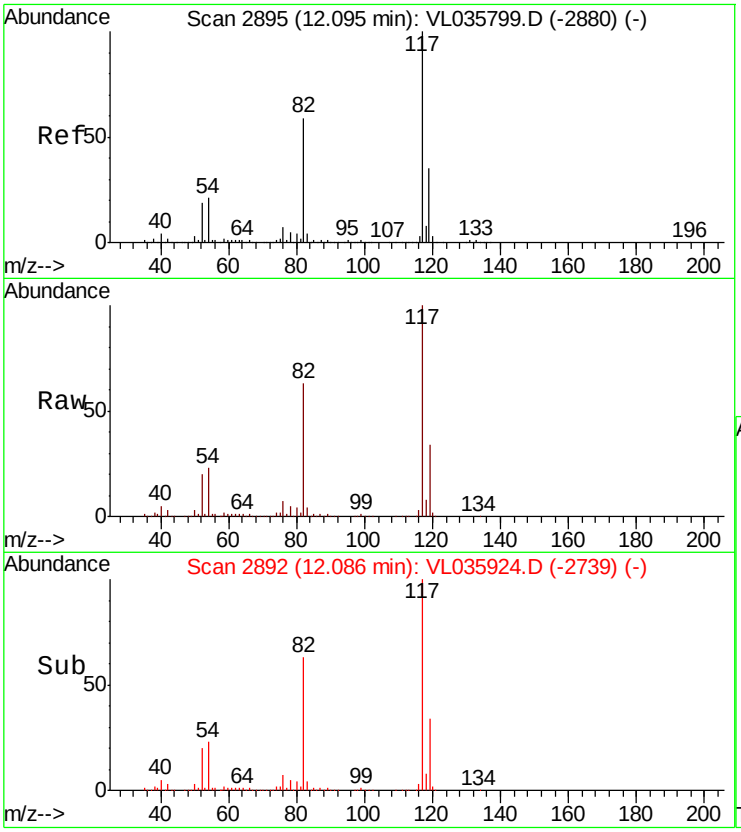


#53
Toluene
Concen: 4.990 ppbv
RT: 9.80 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Tgt Ion: 91 Resp: 1848577

Ion	Ratio	Lower	Upper
91	100		
92	60.5	49.8	74.6



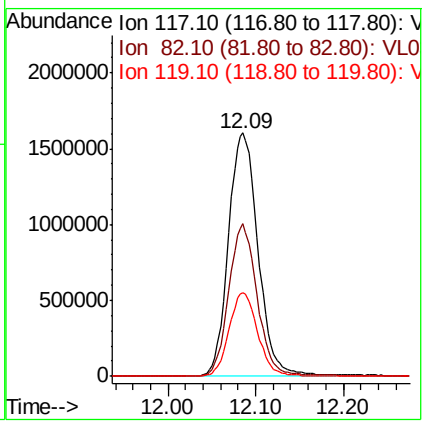


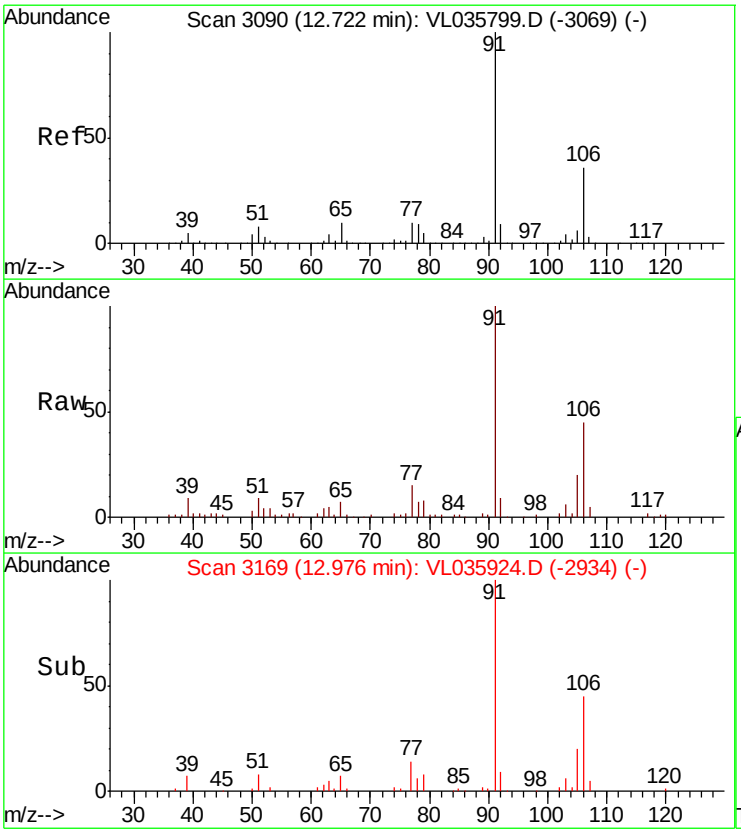
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Instrument : MSVOA_L
ClientSampleId : LA-1DUP

Tgt Ion:117 Resp: 3775210

Ion	Ratio	Lower	Upper
117	100		
82	61.0	50.6	76.0
119	33.5	52.6	78.8#

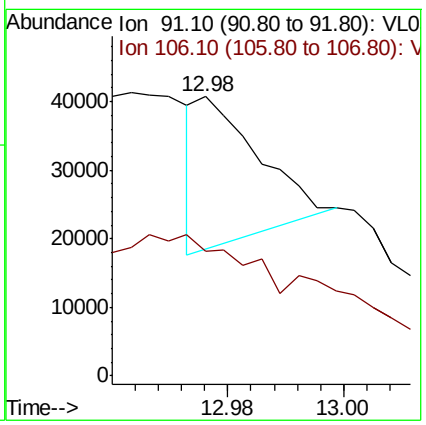


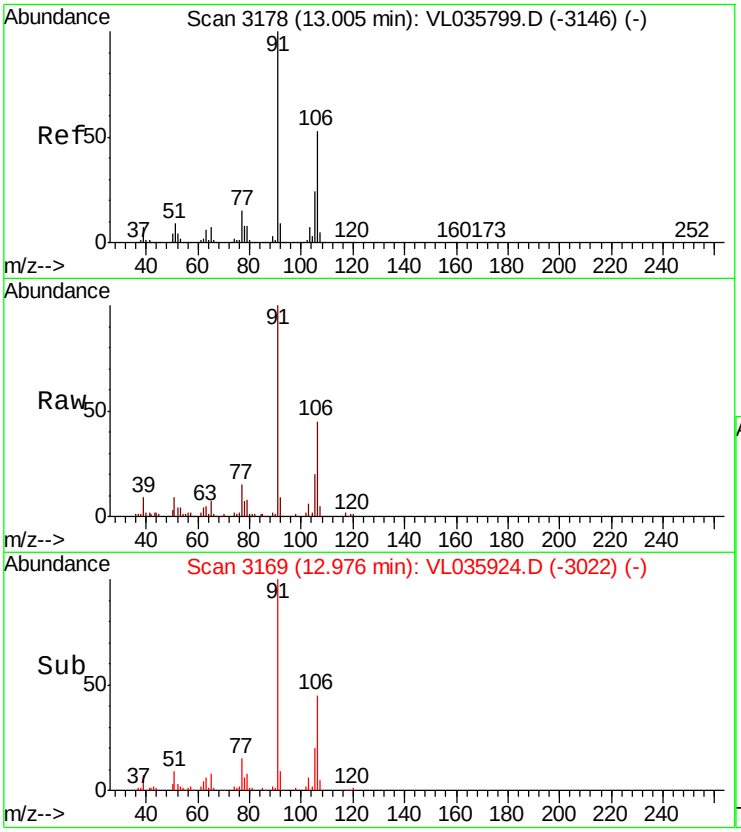


#58
Ethyl Benzene
Concen: 0.035 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. 0.25 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Tgt Ion: 91 Resp: 16044

Ion	Ratio	Lower	Upper
91	100		
106	35.9	28.6	43.0



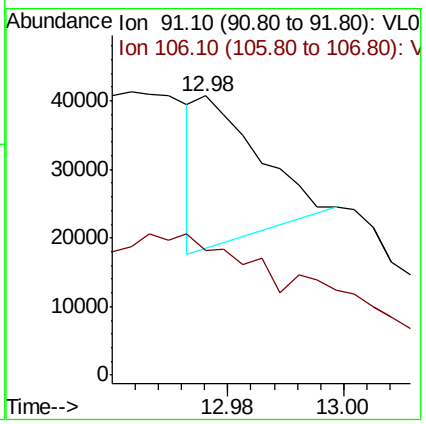


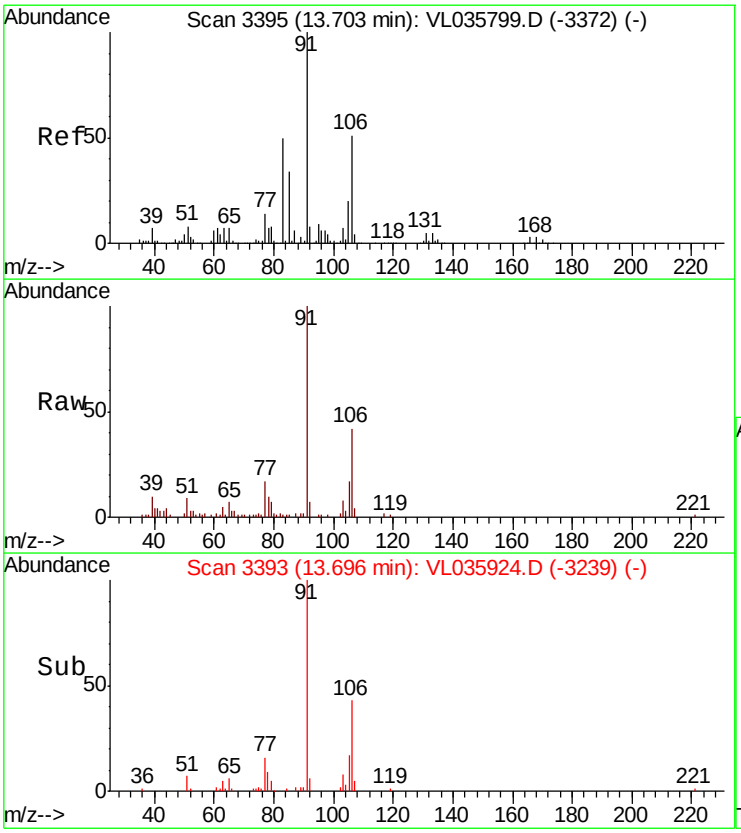
#59
m/p-Xylene
Concen: 0.041 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. -0.03 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Instrument :
MSVOA_L
ClientSampleId :
LA-1DUP

Tgt Ion: 91 Resp: 16044

Ion	Ratio	Lower	Upper
91	100		
106	0.0	39.5	59.3#

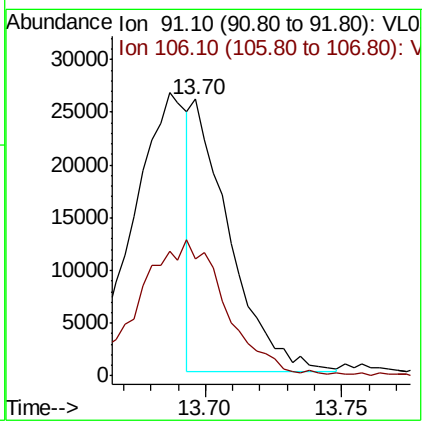


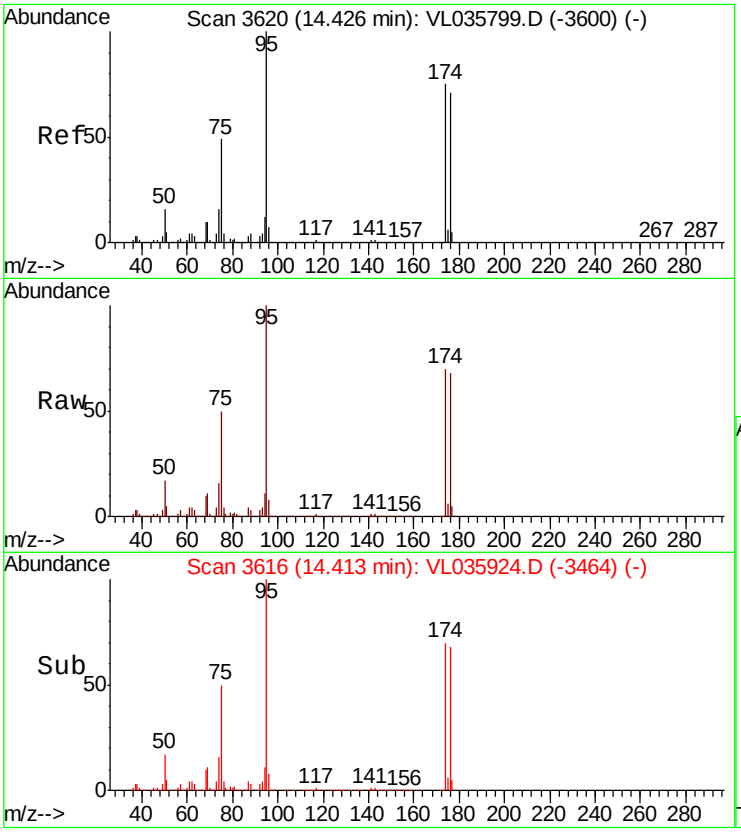


#60
o-Xylene
Concen: 0.066 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Tgt Ion: 91 Resp: 24833

Ion	Ratio	Lower	Upper
91	100		
106	115.5	24.8	74.4#



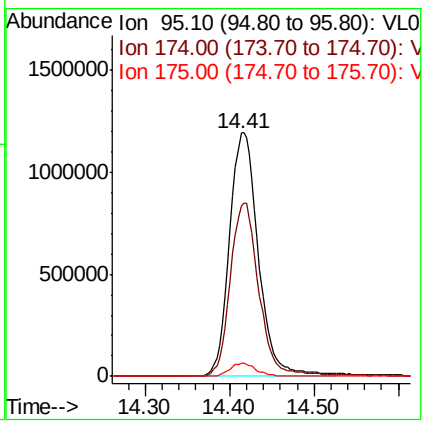


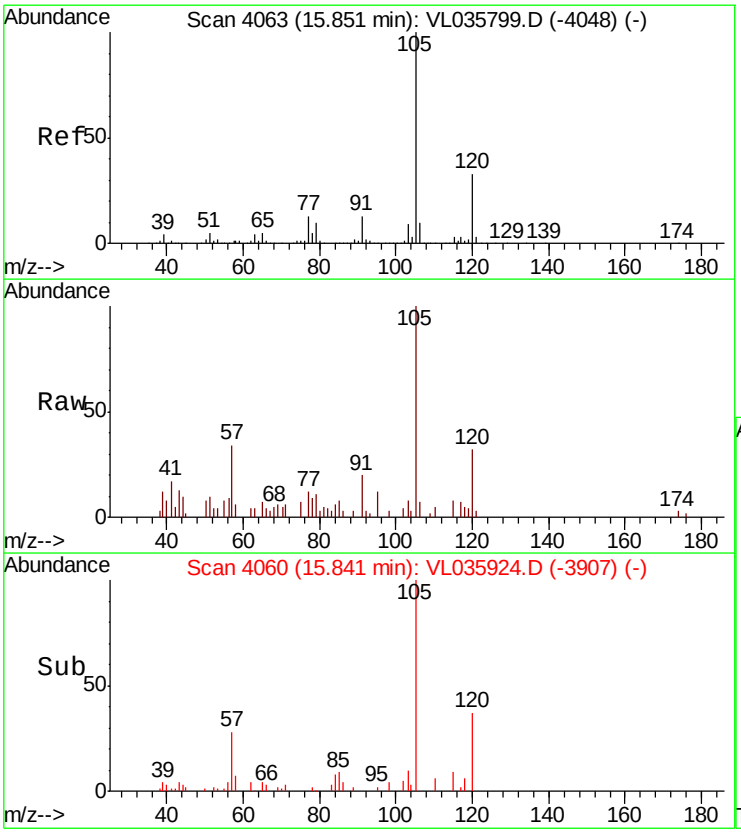
#68
1-Bromo-4-Fluorobenzene
Concen: 10.674 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. -0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Instrument :
MSVOA_L
ClientSampleId :
LA-1DUP

Tgt Ion: 95 Resp: 2862982

Ion	Ratio	Lower	Upper
95	100		
174	71.1	59.8	89.6
175	5.0	4.3	6.5

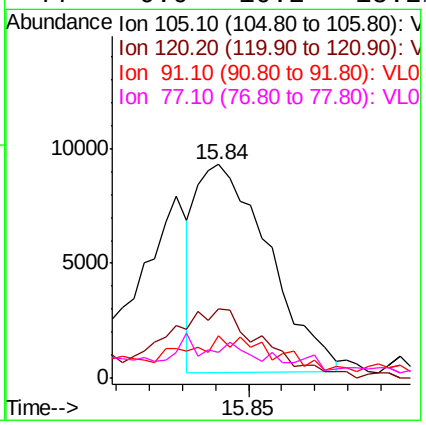


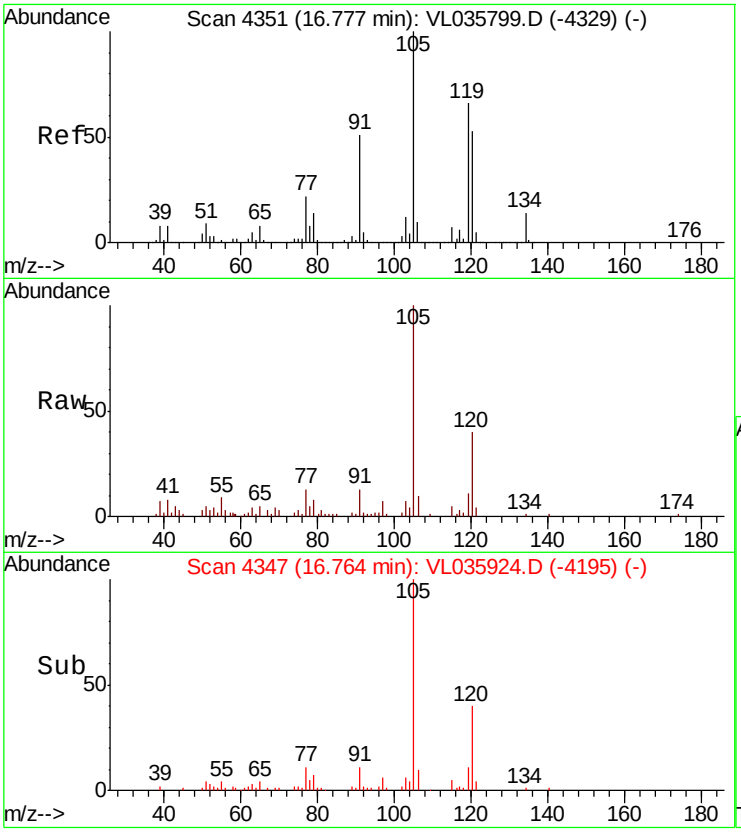


#72
4-Ethyltoluene
Concen: 0.030 ppbv
RT: 15.84 min Scan# 4060
Delta R.T. -0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Tgt Ion:105 Resp: 13771

Ion	Ratio	Lower	Upper
105	100		
120	45.1	25.9	38.9#
91	42.0	9.9	14.9#
77	0.0	10.2	15.2#



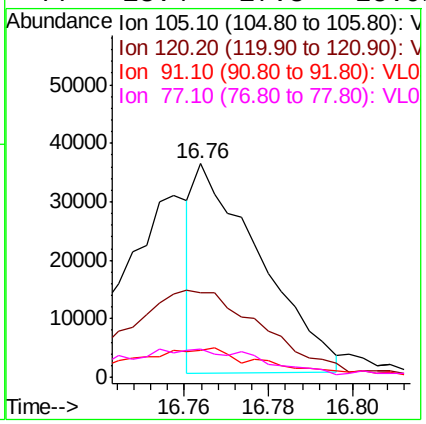


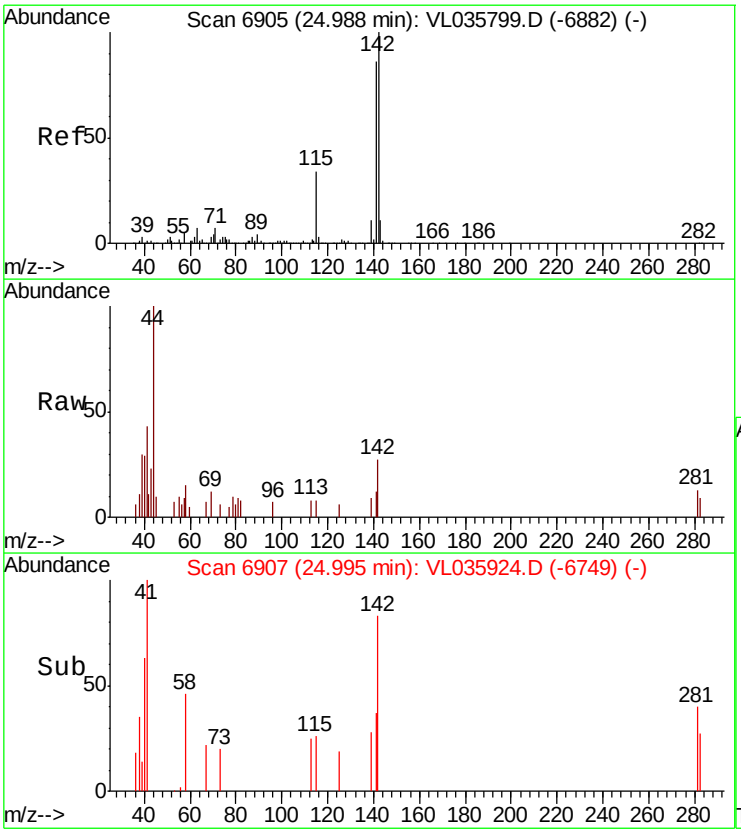
#74
1,2,4-Trimethylbenzene
Concen: 0.086 ppbv
RT: 16.76 min Scan# 4347
Delta R.T. -0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Instrument :
MSVOA_L
ClientSampleId :
LA-1DUP

Tgt Ion:105 Resp: 38537

Ion	Ratio	Lower	Upper
105	100		
120	36.5	42.0	63.0#
91	10.8	41.0	61.6#
77	13.4	17.3	25.9#





#80
Naphthalene,2-methyl-
Concen: 0.037 ppbv
RT: 24.99 min Scan# 6907
Delta R.T. 0.01 min
Lab File: VL035924.D
Acq: 12 Nov 2020 22:00

Tgt Ion:142 Resp: 1892

Ion	Ratio	Lower	Upper
142	100		
141	0.0	67.8	101.8#
115	31.8	28.1	42.1