Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110420\
Data File : VL035833.D
Acq On : 4 Nov 2020 14:53
Operator : SY/AP
Sample : L4610-01 2X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations APPROVED
MMDadoda
11/5/2020 2:16:40 PM

Quant Time: Nov 05 03:44:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
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	1096502	10.00	ppbv		-0.03
33) 1,4-Difluorobenzene	7.14	114	4836465	10.00	ppbv		-0.04
55) Chlorobenzene-d5	12.06	117	4439440	10.00	ppbv		-0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	3181405	10.09	ppbv		-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.02	85	50714	0.246	ppbv		92
3) Chlorodifluoromethane	2.96	51	27962	0.213	ppbv	#	87
4) Chloromethane	3.12	50	10350	0.162	ppbv	#	82
9) Propene	2.99	41	31091	0.647	ppbv		93
10) Heptane	8.09	43	16931m	0.128	ppbv		
11) Trichlorofluoromethane	3.92	101	28896	0.111	ppbv		97
13) Ethanol	3.59	45	56644m	5.433	ppbv		
15) Acetone	3.83	43	542133	4.625	ppbv		94
20) Methylene Chloride	4.32	84	341328	4.136	ppbv		99
26) Hexane	5.66	57	269608	2.117	ppbv	#	45
34) 2-Butanone	5.23	43	37910	0.242	ppbv	#	73
36) Benzene	6.86	78	58223	0.162	ppbv		97
52) Tetrachloroethene	11.19	164	42057	0.247	ppbv		92
53) Toluene	9.77	91	358273	0.826	ppbv		97
58) Ethyl Benzene	12.68	91	170738	0.316	ppbv		96
59) m/p-Xylene	12.94	91	409860	0.896	ppbv		97
60) o-Xylene	13.66	91	164106	0.369	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.66	83	41597m	0.121	ppbv		
64) n-propylbenzene	15.54	120	30520m	0.151	ppbv		
70) n-Butylbenzene	18.54	91	195469m	0.287	ppbv		
72) 4-Ethyltoluene	15.81	105	65737	0.122	ppbv	#	92
74) 1,2,4-Trimethylbenzene	16.74	105	133777	0.253	ppbv	#	69

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110420\
Data File : VL035833.D
Acq On : 4 Nov 2020 14:53
Operator : SY/AP
Sample : L4610-01 2X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 05 03:44:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations APPROVED
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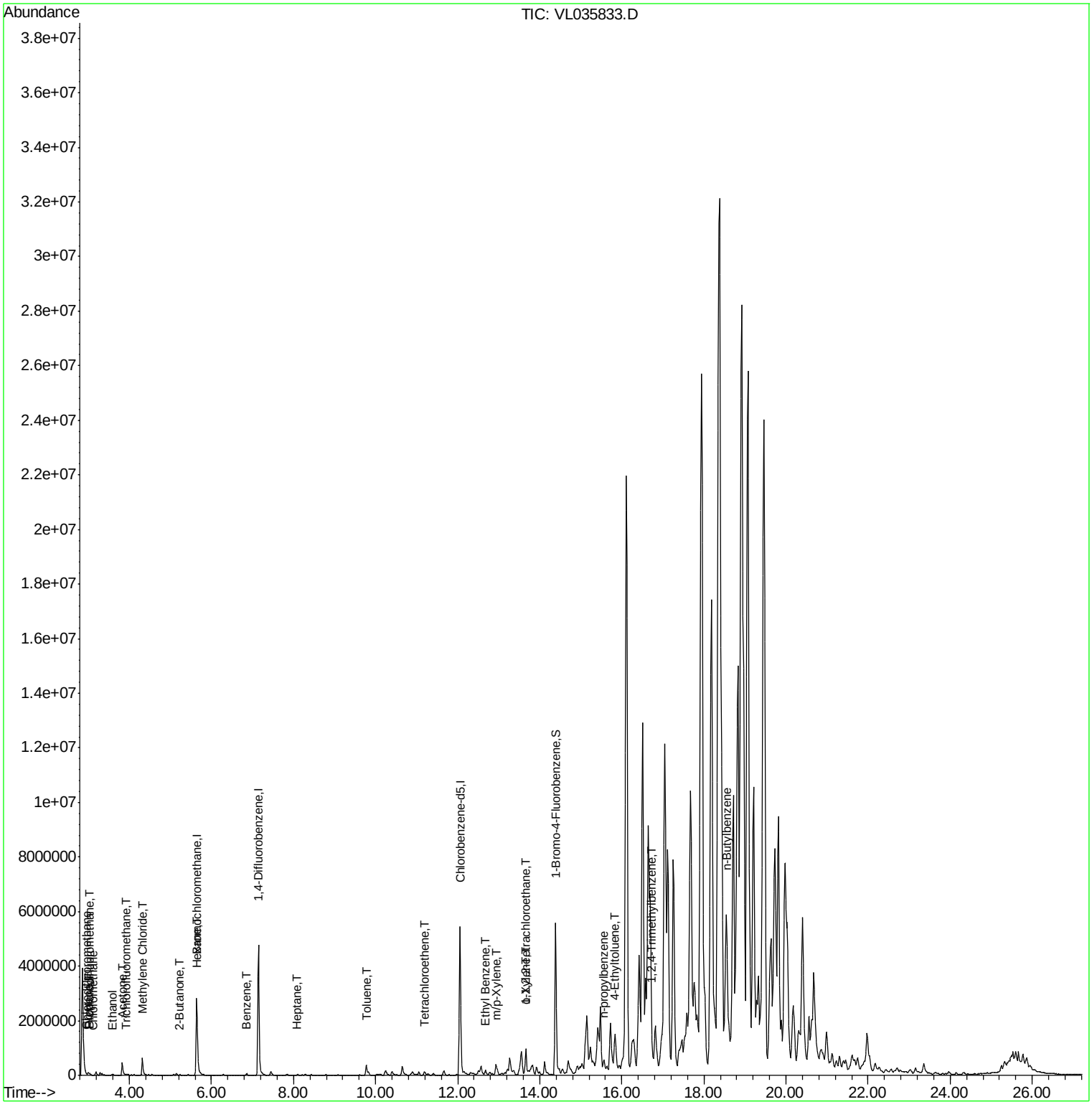
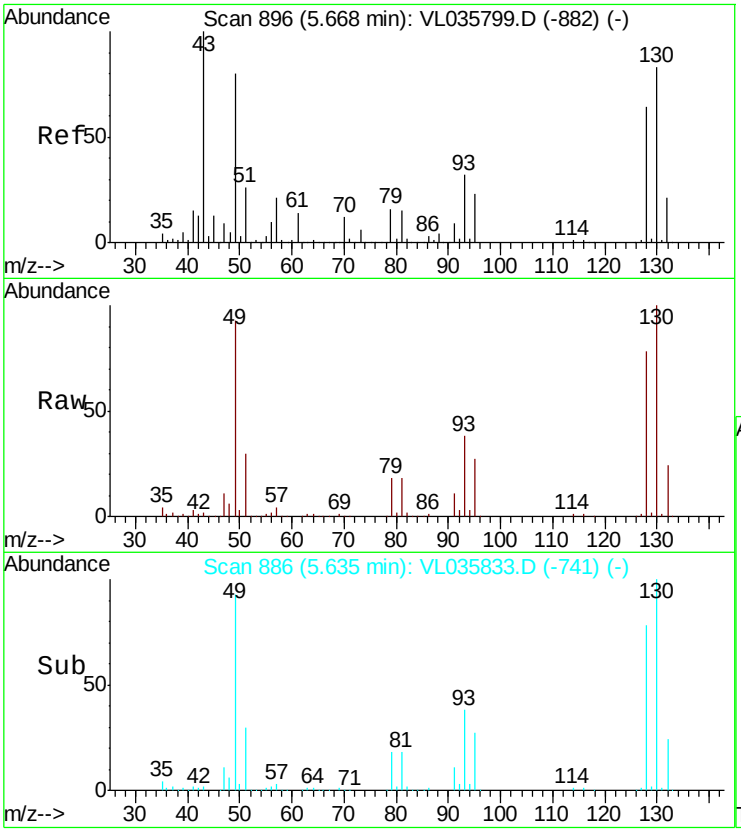
11/5/2020 2:16:40 PM

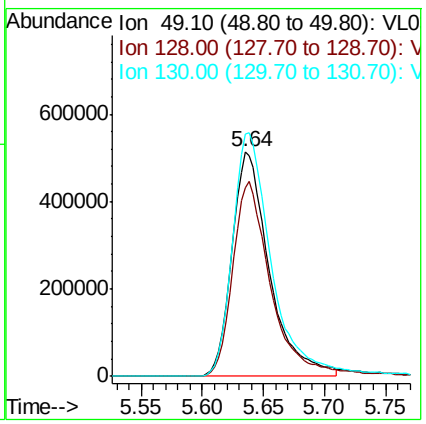




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 886
Delta R.T. -0.03 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion: 49 Resp: 1096502

Ion	Ratio	Lower	Upper
49	100		
128	90.7	41.5	124.6
130	115.4	53.7	161.1



Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations APPROVED
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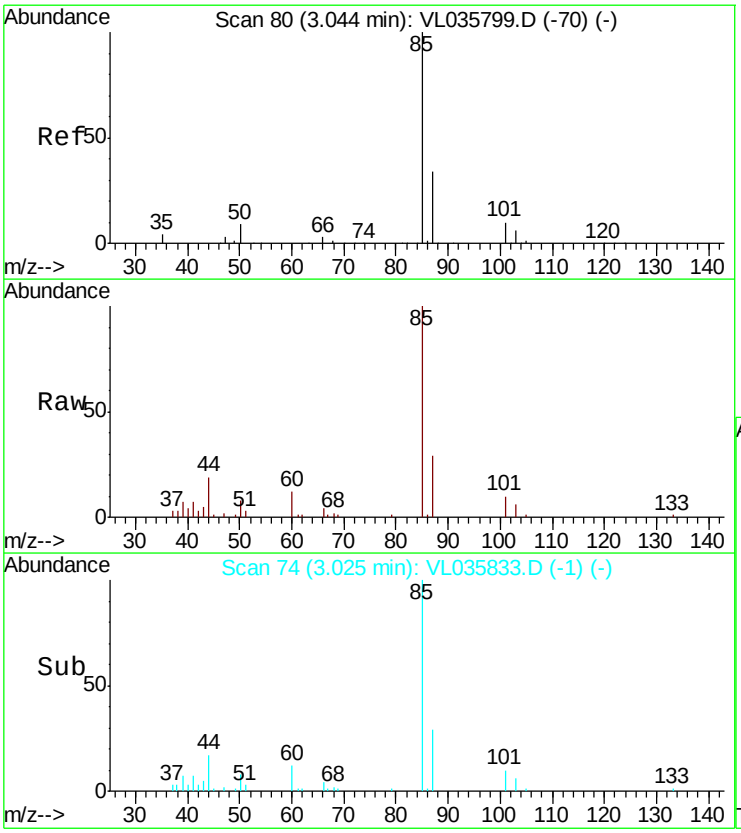
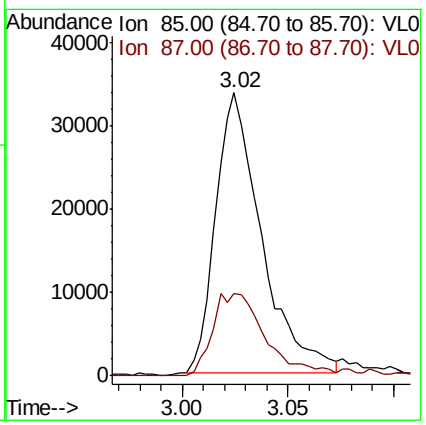
11/5/2020 2:16:40 PM

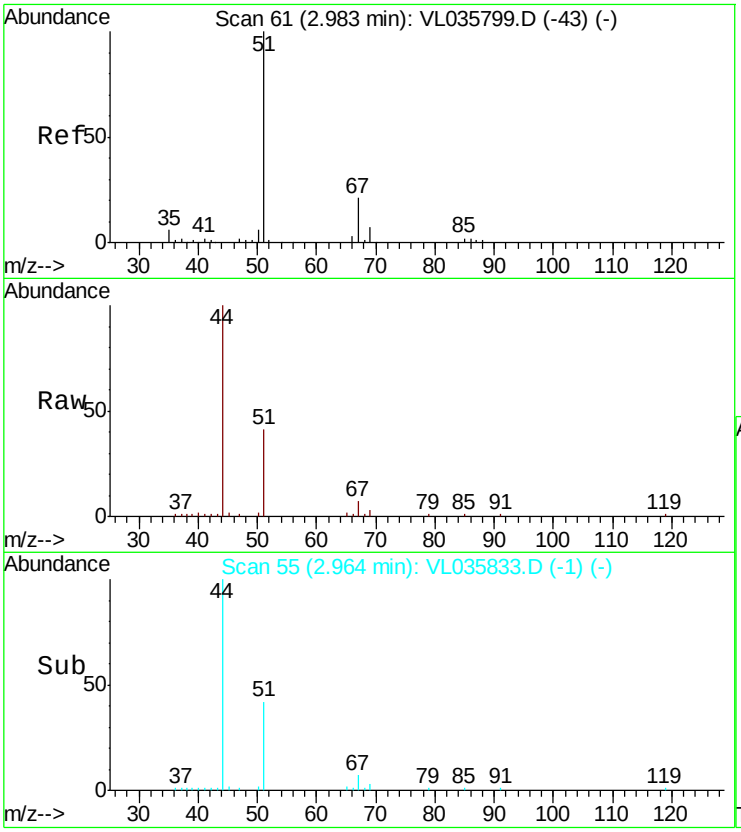


#2
Dichlorodifluoromethane
Concen: 0.246 ppbv
RT: 3.02 min Scan# 74
Delta R.T. -0.02 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion: 85 Resp: 50714

Ion	Ratio	Lower	Upper
85	100		
87	29.4	27.1	40.7





#3
Chlorodifluoromethane
Concen: 0.213 ppbv
RT: 2.96 min Scan# 55
Delta R.T. -0.02 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion: 51 Resp: 27962

Ion	Ratio	Lower	Upper
51	100		
67	15.0	17.0	25.4#

Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations APPROVED
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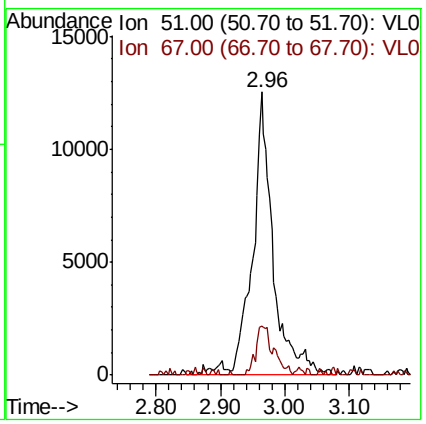
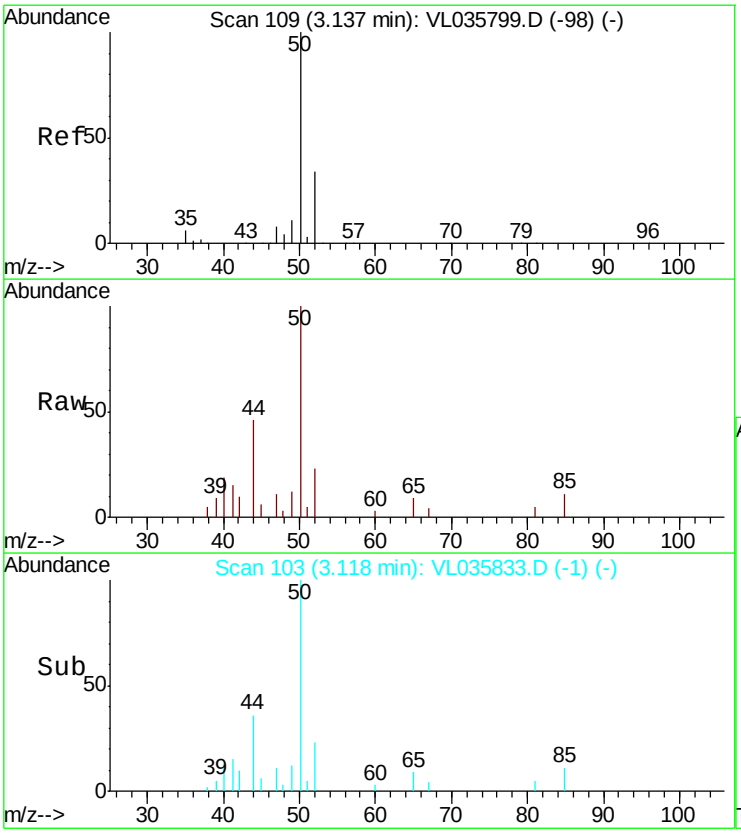
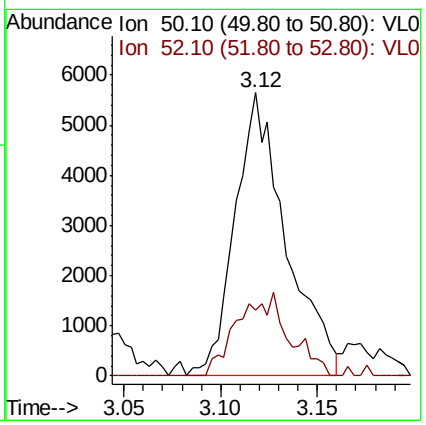


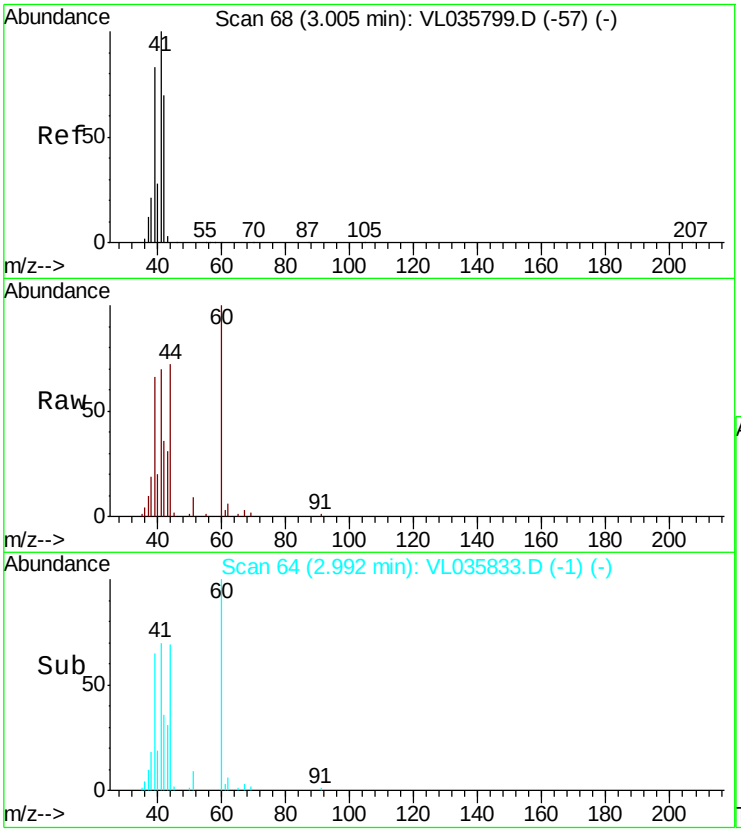


#4
Chloromethane
Concen: 0.162 ppbv
RT: 3.12 min Scan# 103
Delta R.T. -0.02 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion: 50 Resp: 10350

Ion	Ratio	Lower	Upper
50	100		
52	23.5	27.1	40.7#

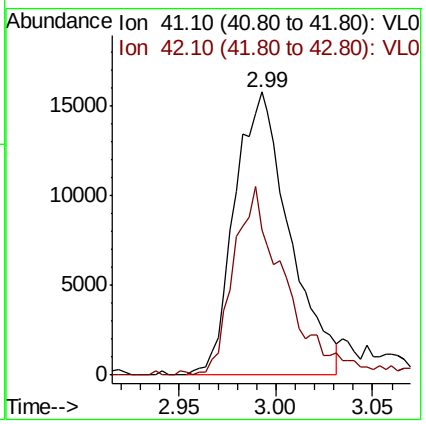




#9
Propene
Concen: 0.647 ppbv
RT: 2.99 min Scan# 64
Delta R.T. -0.01 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion: 41 Resp: 31091

Ion	Ratio	Lower	Upper
41	100		
42	64.8	56.2	84.4



Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations APPROVED
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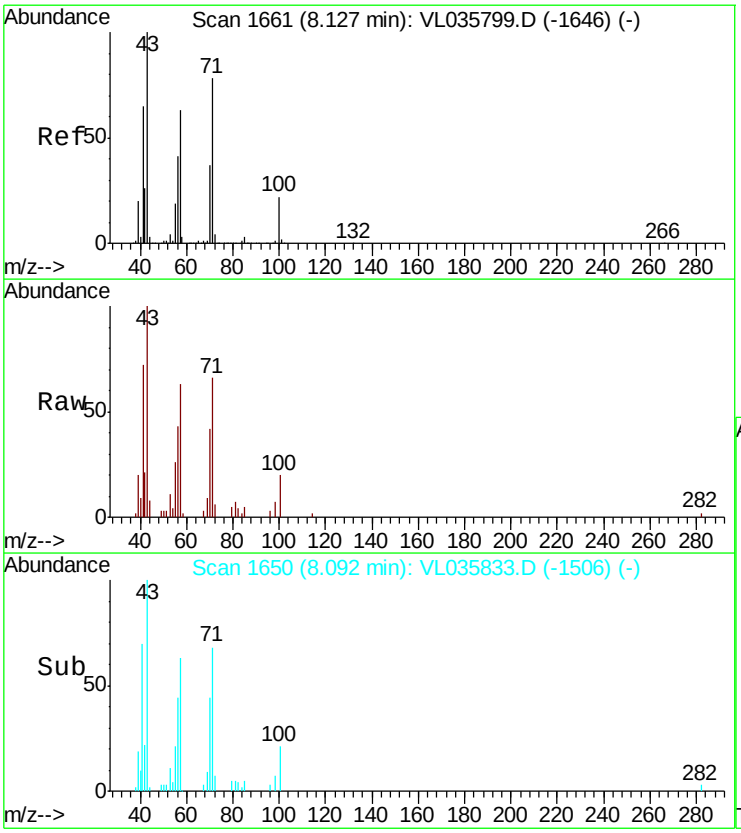
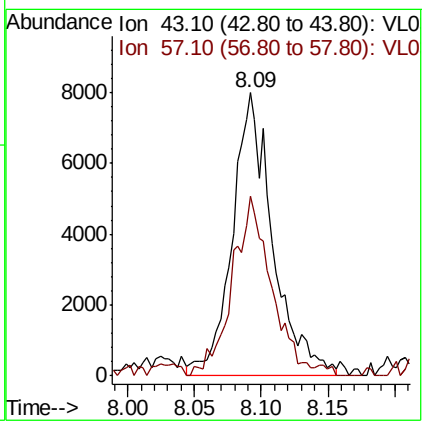
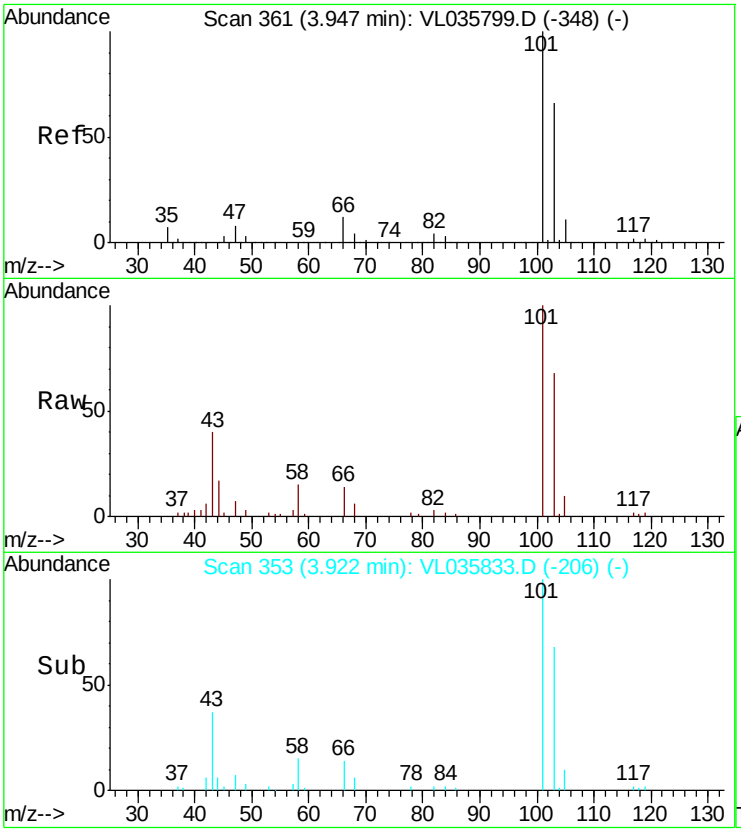


#10
Heptane
Concen: 0.128 ppbv m
RT: 8.09 min Scan# 1650
Delta R.T. -0.04 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion: 43 Resp: 16931

Ion	Ratio	Lower	Upper
43	100		
57	62.0	50.0	75.0

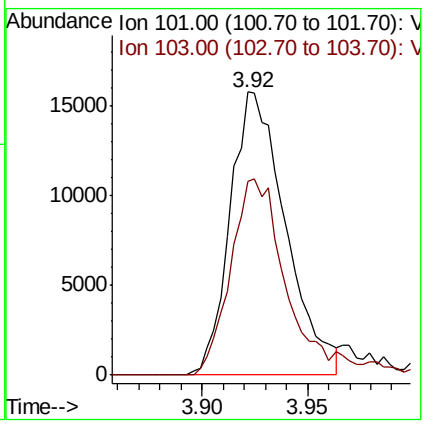




#11
Trichlorofluoromethane
Concen: 0.111 ppbv
RT: 3.92 min Scan# 353
Delta R.T. -0.03 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion:101 Resp: 28896

Ion	Ratio	Lower	Upper
101	100		
103	68.3	53.0	79.4



Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations APPROVED
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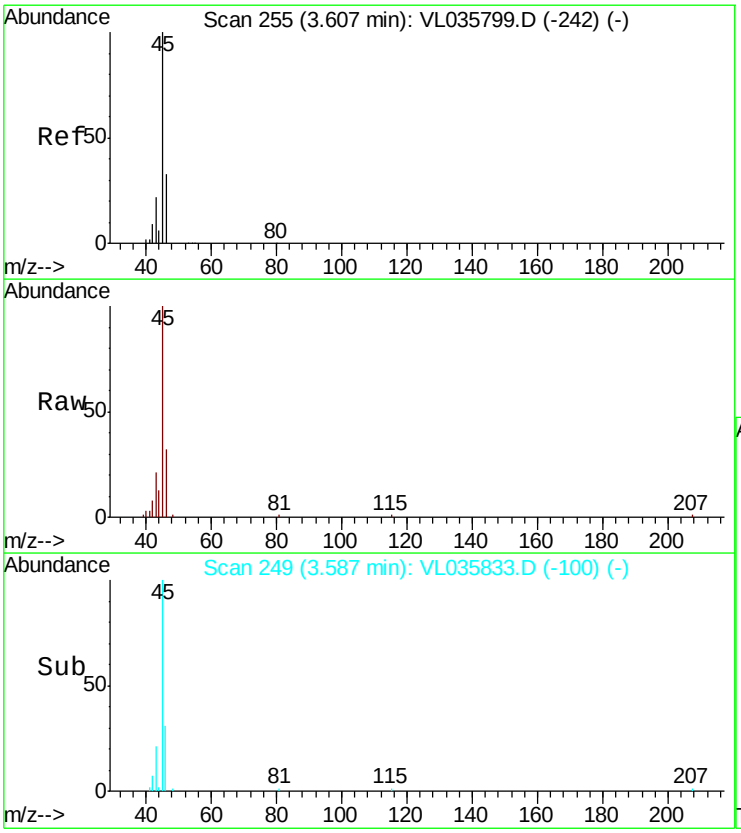
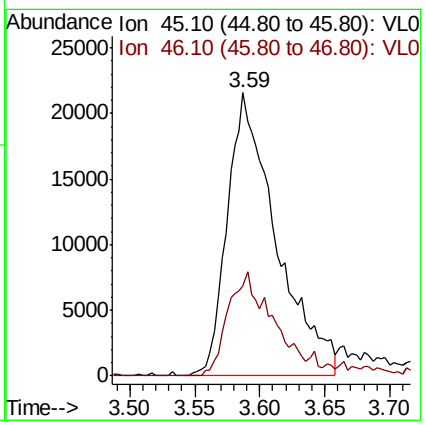
11/5/2020 2:16:40 PM

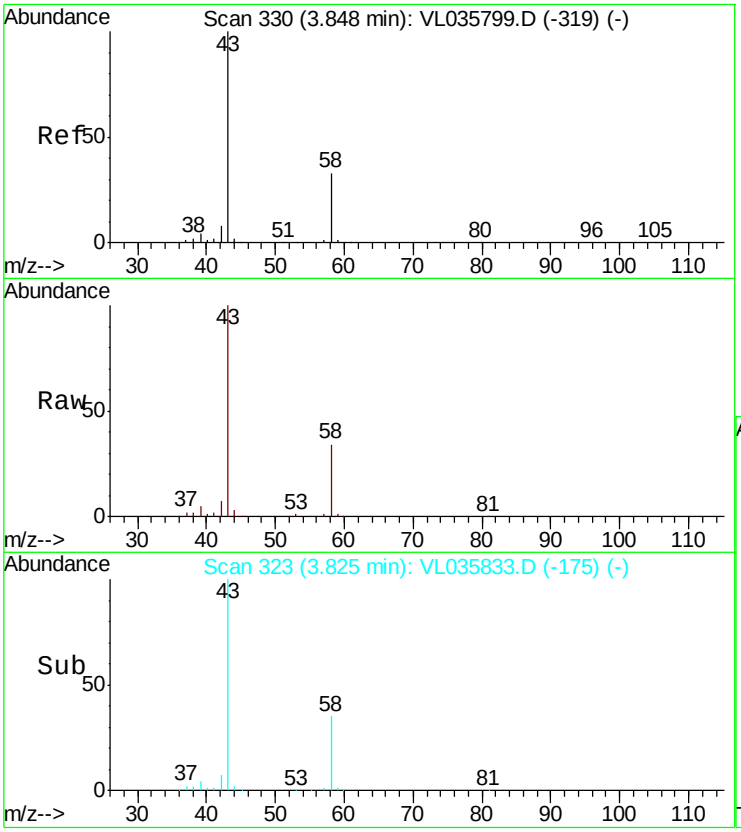


#13
Ethanol
Concen: 5.433 ppbv m
RT: 3.59 min Scan# 249
Delta R.T. -0.02 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion: 45 Resp: 56644

Ion	Ratio	Lower	Upper
45	100		
46	39.6	16.1	64.5

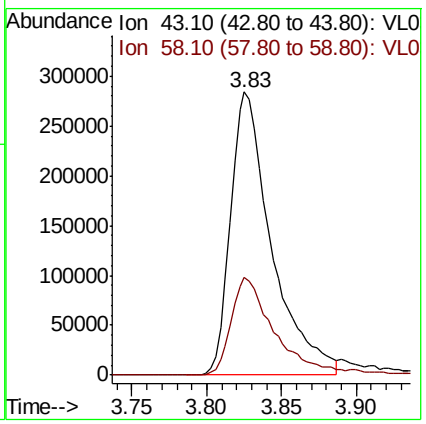




#15
Acetone
Concen: 4.625 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.02 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion: 43 Resp: 542133

Ion	Ratio	Lower	Upper
43	100		
58	37.9	27.5	41.3



Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations APPROVED
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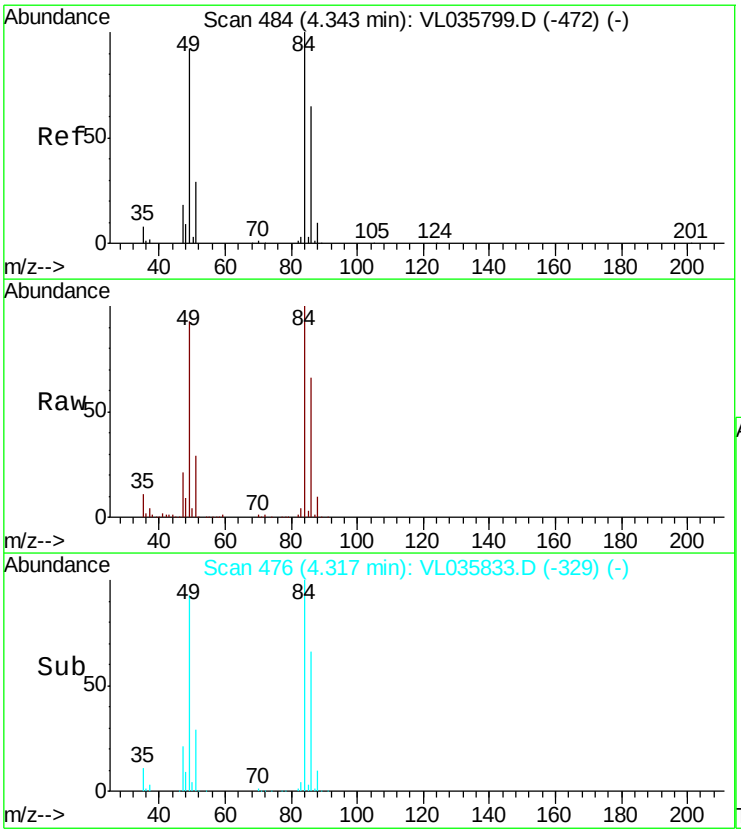
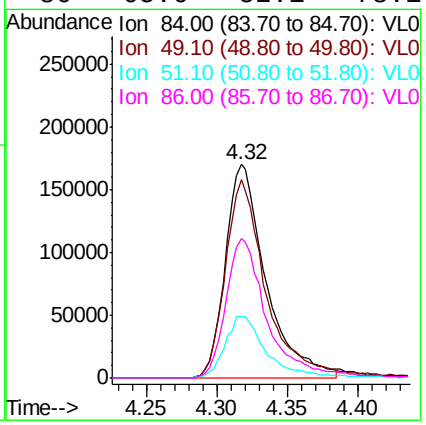
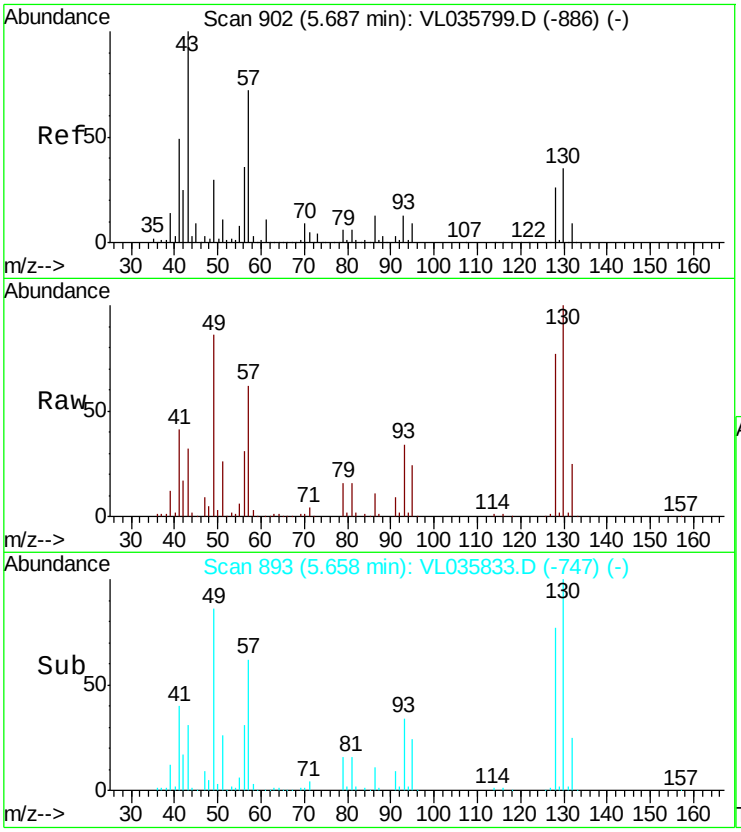


#20
Methylene Chloride
Concen: 4.136 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.03 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion: 84 Resp: 341328

Ion	Ratio	Lower	Upper
84	100		
49	93.0	73.8	110.8
51	28.9	23.0	34.4
86	65.6	52.1	78.1

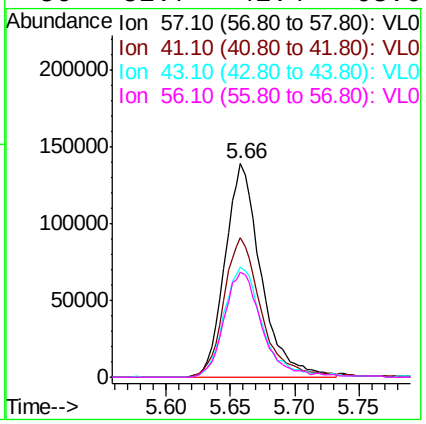




#26
Hexane
Concen: 2.117 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

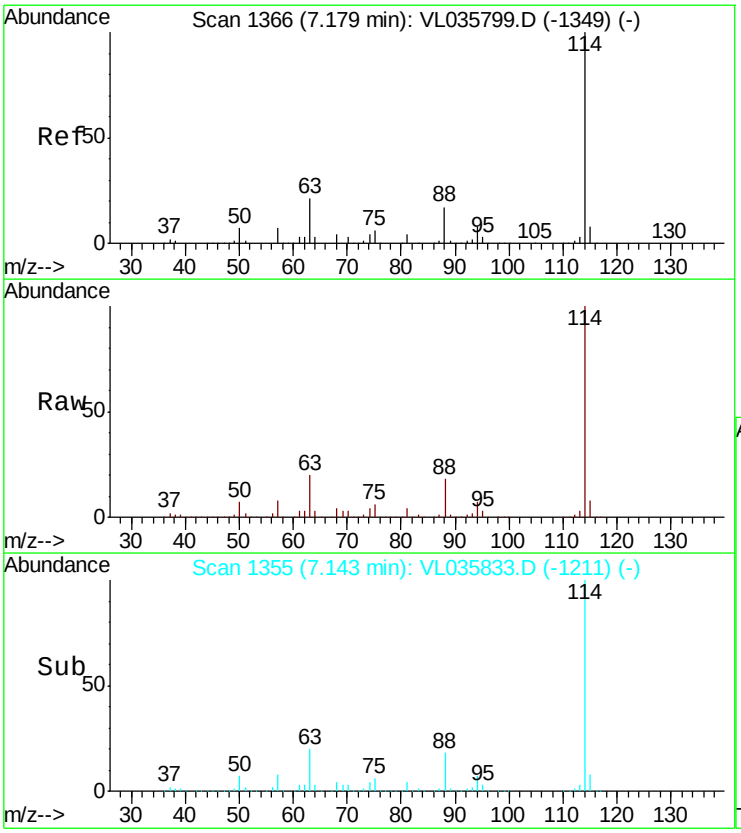
Tgt Ion: 57 Resp: 269608

Ion	Ratio	Lower	Upper
57	100		
41	68.7	58.9	88.3
43	56.0	150.2	225.2#
56	52.7	42.4	63.6



Instrument :
MSVOA_L
ClientSampleId :
SV1

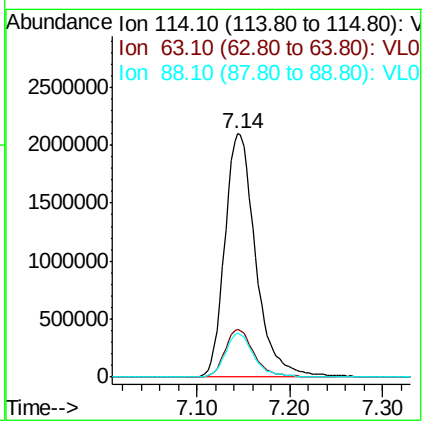
Manual Integrations APPROVED
MMDadoda
11/5/2020 2:16:40 PM

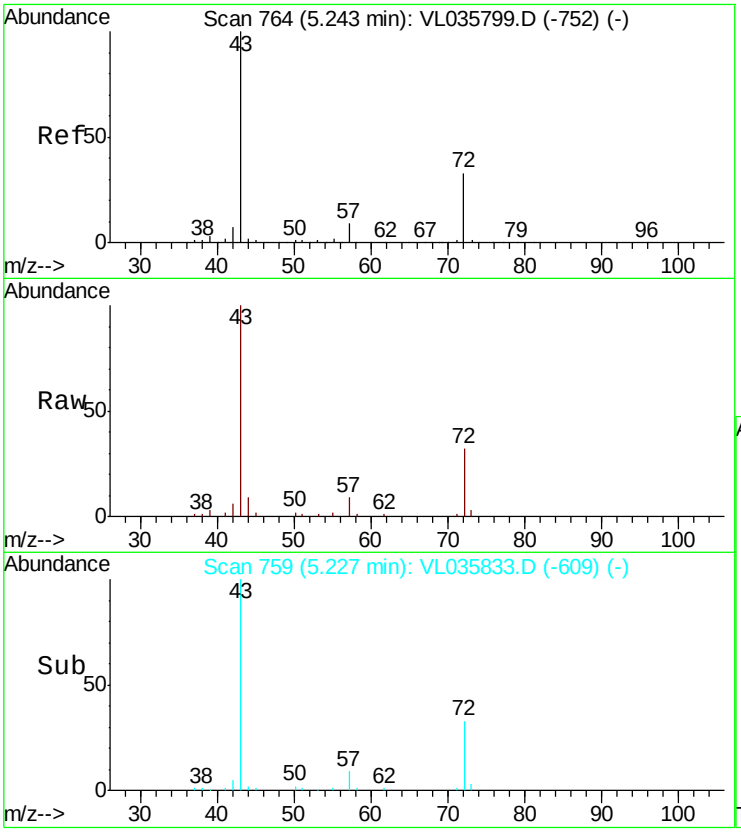


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.04 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion:114 Resp: 4836465

Ion	Ratio	Lower	Upper
114	100		
63	18.7	16.1	24.1
88	16.9	13.7	20.5

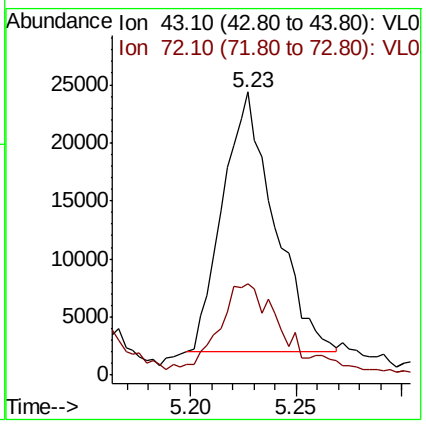




#34
2-Butanone
Concen: 0.242 ppbv
RT: 5.23 min Scan# 759
Delta R.T. -0.02 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion: 43 Resp: 37910

Ion	Ratio	Lower	Upper
43	100		
72	48.2	26.5	39.7#



Instrument :
MSVOA_L
ClientSampleId :
SV1

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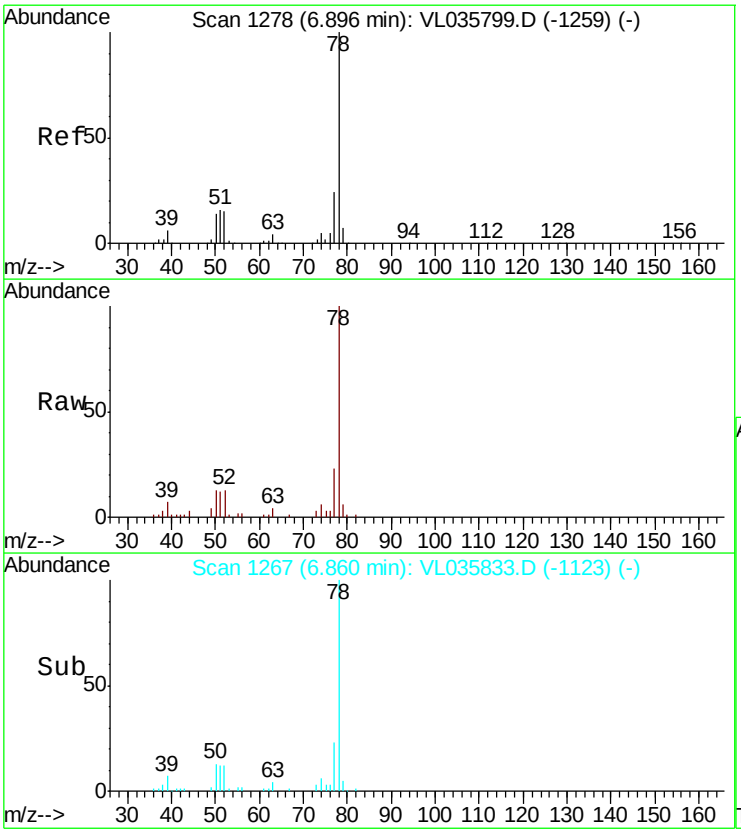
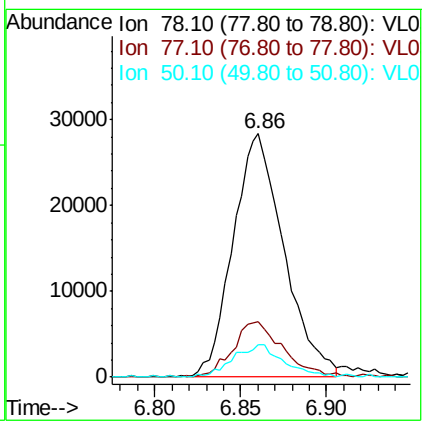
MMDadoda
11/5/2020 2:16:40 PM

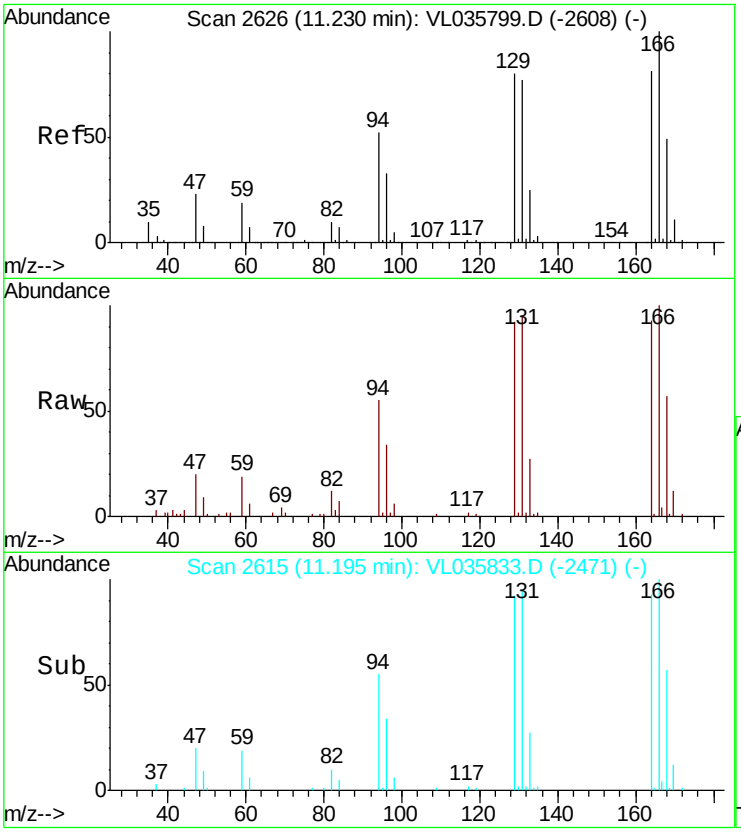


#36
Benzene
Concen: 0.162 ppbv
RT: 6.86 min Scan# 1267
Delta R.T. -0.04 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion: 78 Resp: 58223

Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.3	28.9
50	13.5	11.4	17.2

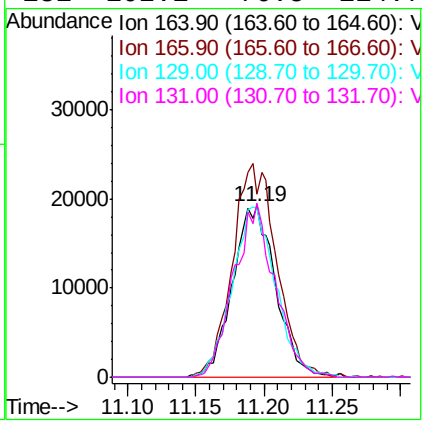




#52
Tetrachloroethene
Concen: 0.247 ppbv
RT: 11.19 min Scan# 2615
Delta R.T. -0.04 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

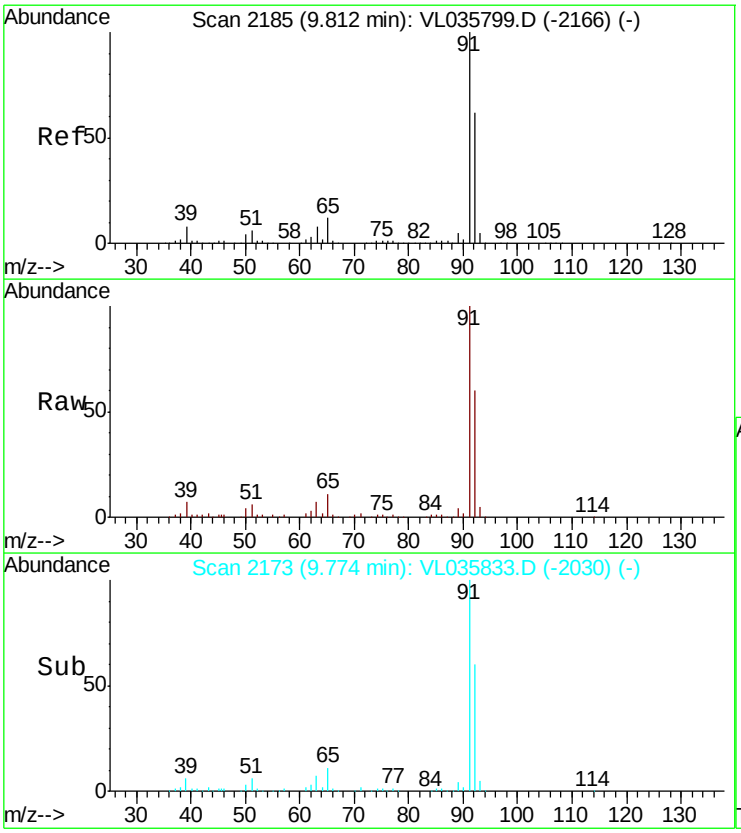
Tgt Ion:164 Resp: 42057

Ion	Ratio	Lower	Upper
164	100		
166	107.0	99.3	148.9
129	98.7	79.3	118.9
131	102.1	76.5	114.7



Instrument :
MSVOA_L
ClientSampleId :
SV1

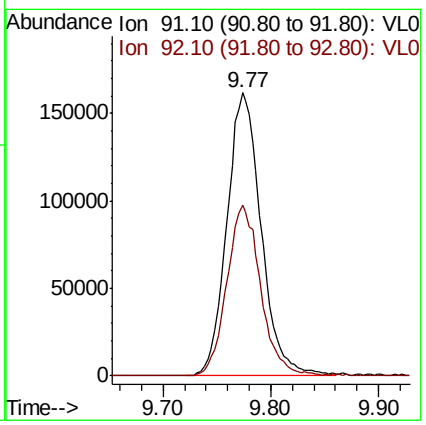
Manual Integrations APPROVED
MMDadoda
11/5/2020 2:16:40 PM

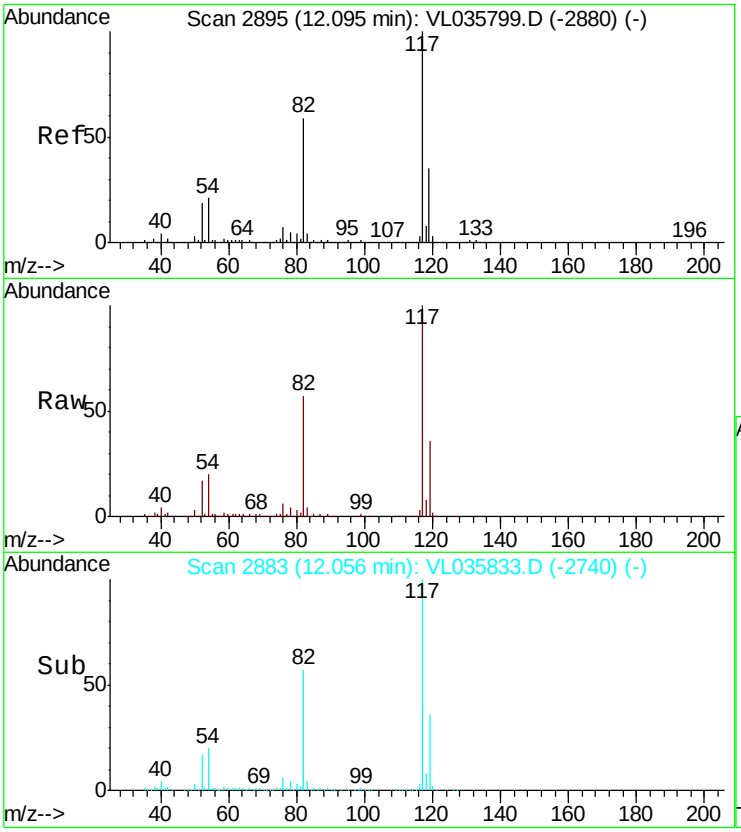


#53
Toluene
Concen: 0.826 ppbv
RT: 9.77 min Scan# 2173
Delta R.T. -0.04 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion: 91 Resp: 358273

Ion	Ratio	Lower	Upper
91	100		
92	59.9	49.8	74.6

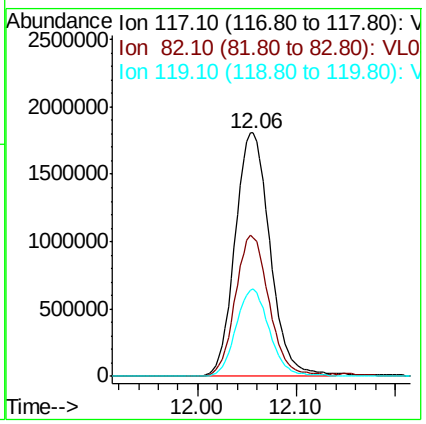




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.04 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion:117 Resp: 4439440

Ion	Ratio	Lower	Upper
117	100		
82	56.0	50.6	76.0
119	34.7	52.6	78.8#



Instrument :
MSVOA_L
ClientSampleId :
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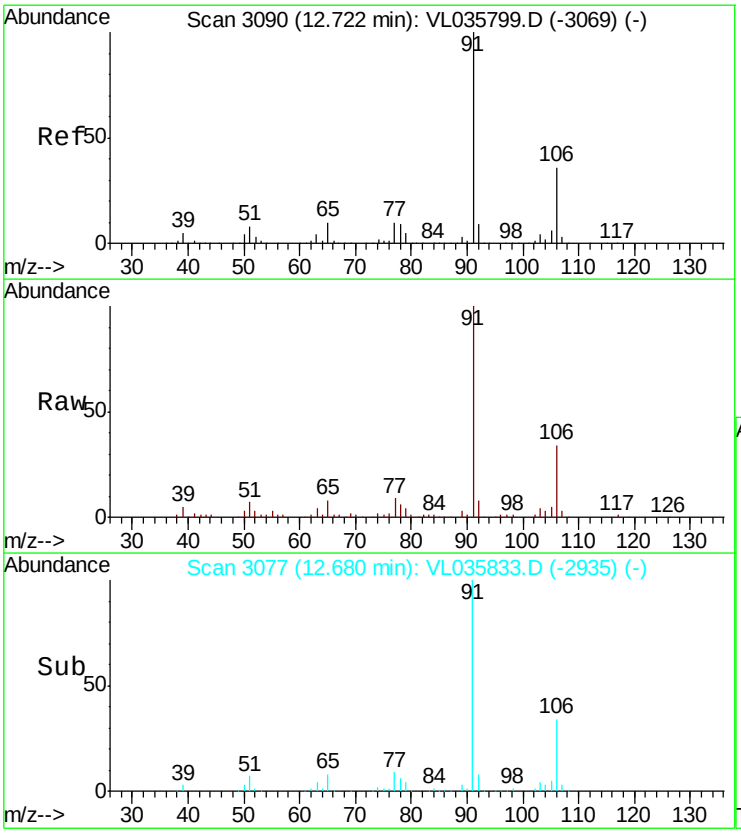
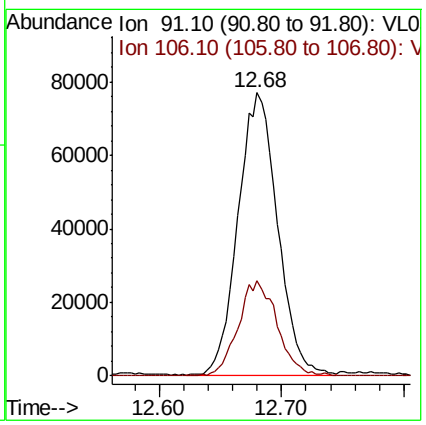
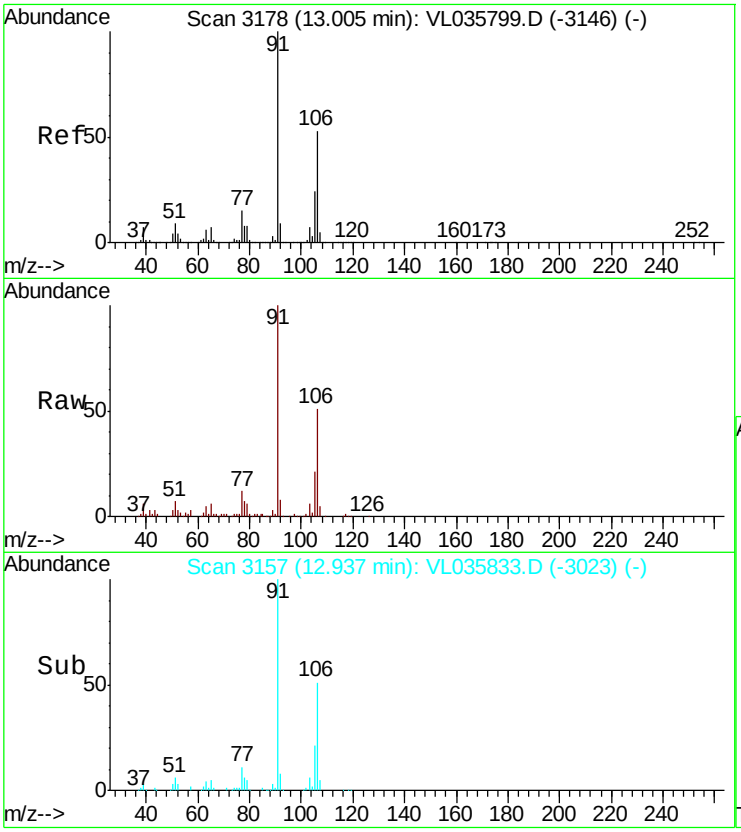


#58
Ethyl Benzene
Concen: 0.316 ppbv
RT: 12.68 min Scan# 3077
Delta R.T. -0.04 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion: 91 Resp: 170738

Ion	Ratio	Lower	Upper
91	100		
106	33.7	28.6	43.0





#59
m/p-Xylene
Concen: 0.896 ppbv
RT: 12.94 min Scan# 3157
Delta R.T. -0.07 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion: 91 Resp: 409860

Ion	Ratio	Lower	Upper
91	100		
106	51.6	39.5	59.3

Instrument :
MSVOA_L
ClientSampleId :
SV1

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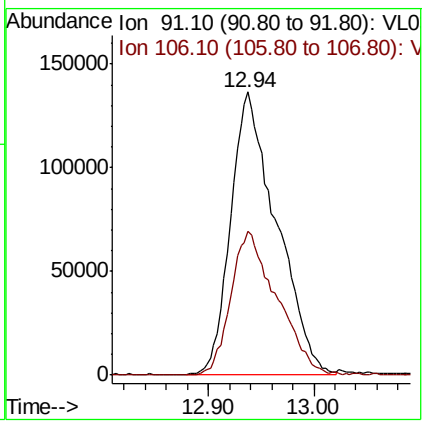
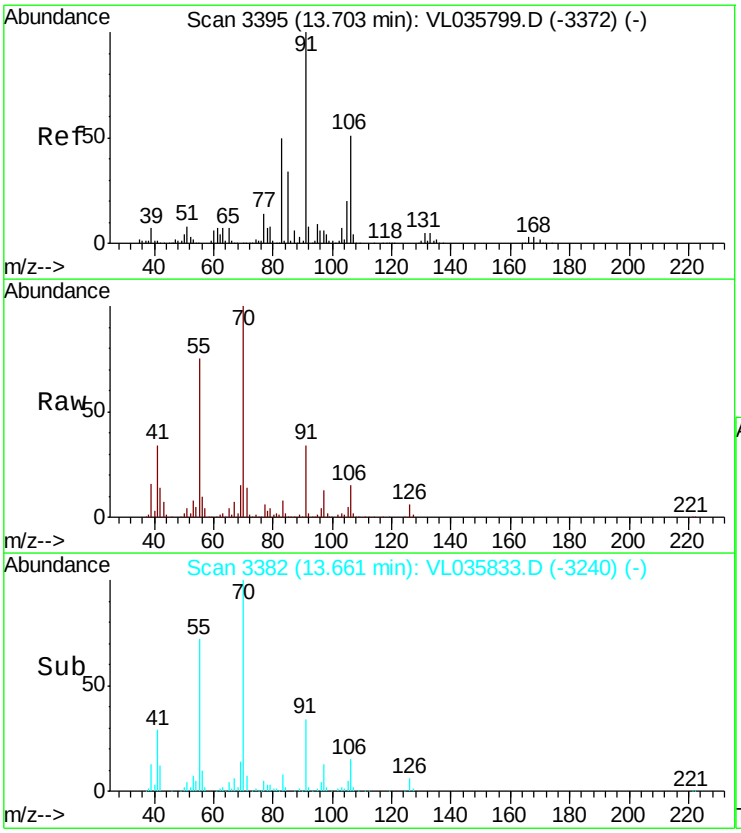
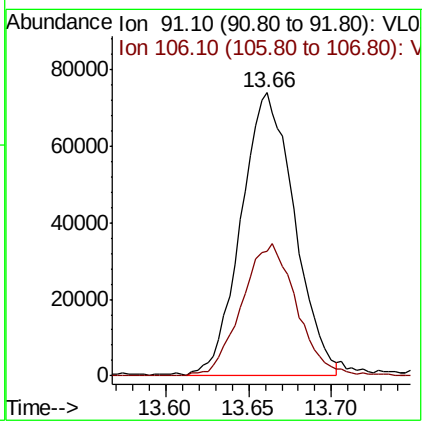


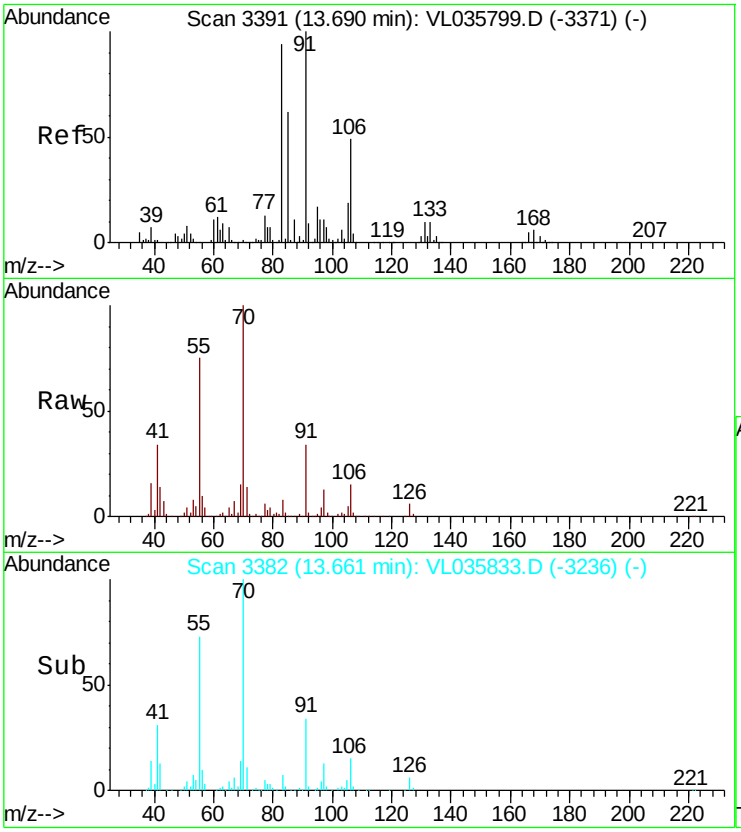


#60
o-Xylene
Concen: 0.369 ppbv
RT: 13.66 min Scan# 3382
Delta R.T. -0.04 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion: 91 Resp: 164106

Ion	Ratio	Lower	Upper
91	100		
106	48.5	24.8	74.4





#63
1,1,2,2-Tetrachloroethane
Concen: 0.121 ppbv m
RT: 13.66 min Scan# 3382
Delta R.T. -0.03 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion: 83 Resp: 41597

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	15.8#
85	4.5	33.5	100.4#

Instrument :
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ClientSampleId :
SV1

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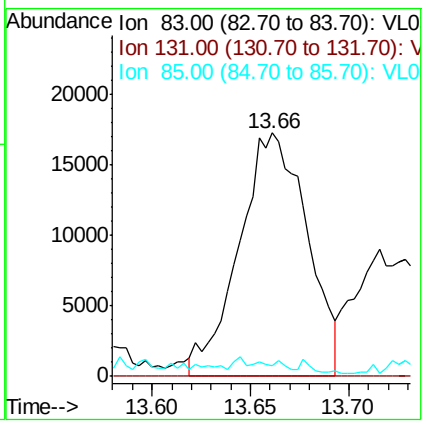
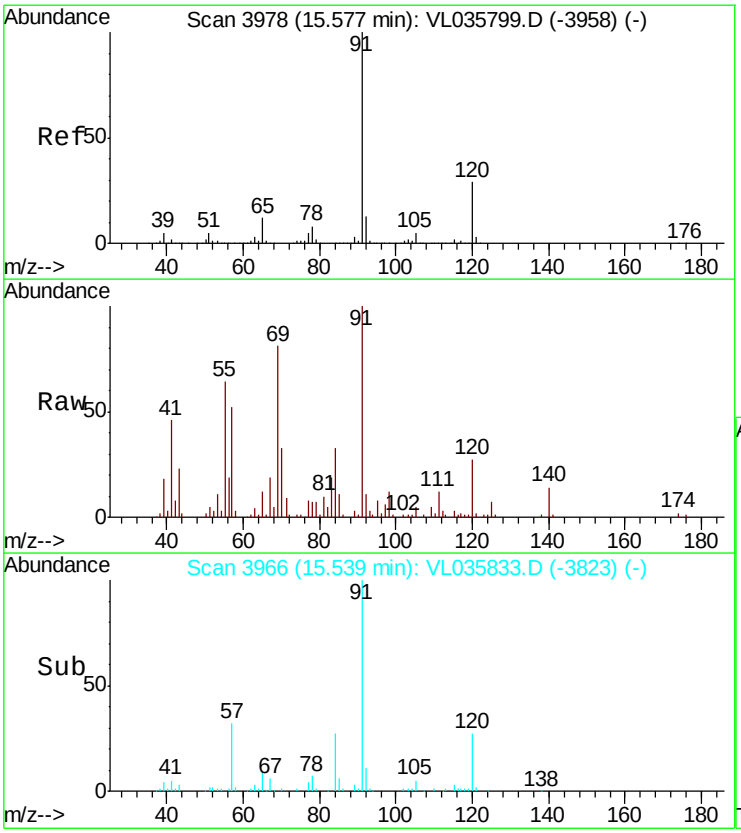
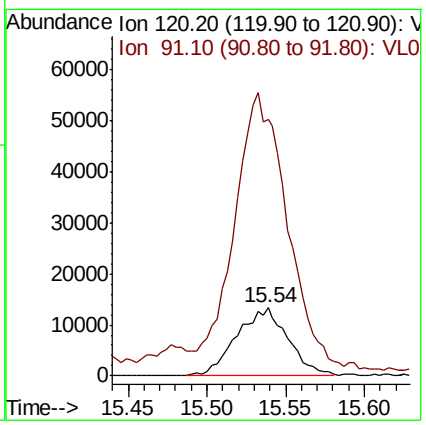


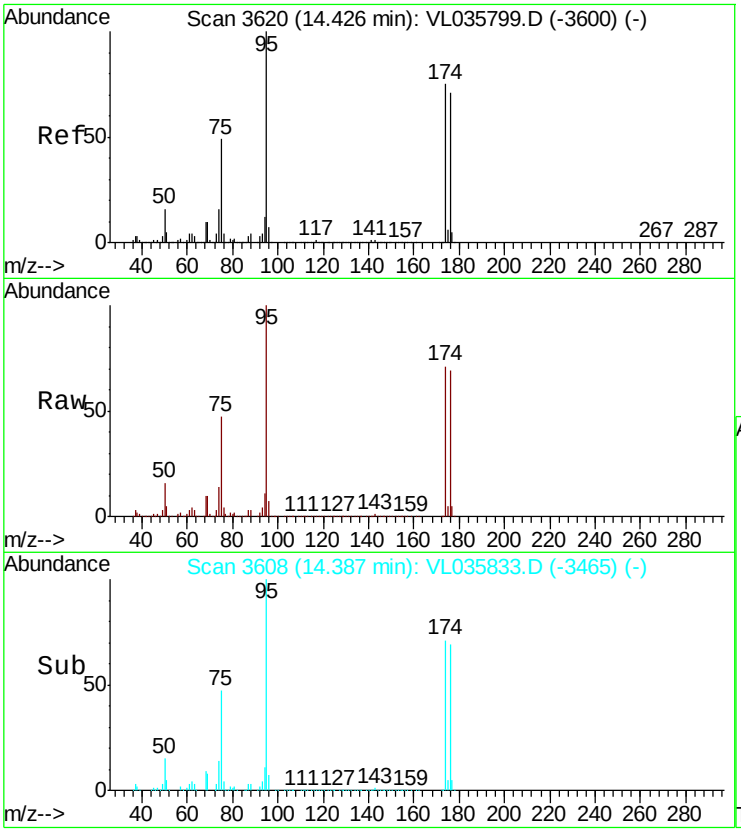


#64
n-propylbenzene
Concen: 0.151 ppbv m
RT: 15.54 min Scan# 3966
Delta R.T. -0.04 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion:120 Resp: 30520

Ion	Ratio	Lower	Upper
120	100		
91	0.0	311.1	466.7#

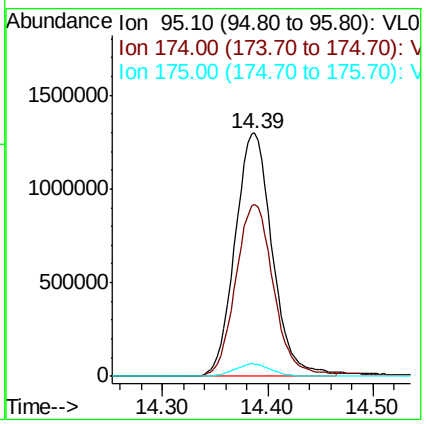




#68
1-Bromo-4-Fluorobenzene
Concen: 10.086 ppbv
RT: 14.39 min Scan# 3608
Delta R.T. -0.04 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion: 95 Resp: 3181405

Ion	Ratio	Lower	Upper
95	100		
174	74.2	59.8	89.6
175	5.2	4.3	6.5



Instrument :
MSVOA_L
ClientSampleId :
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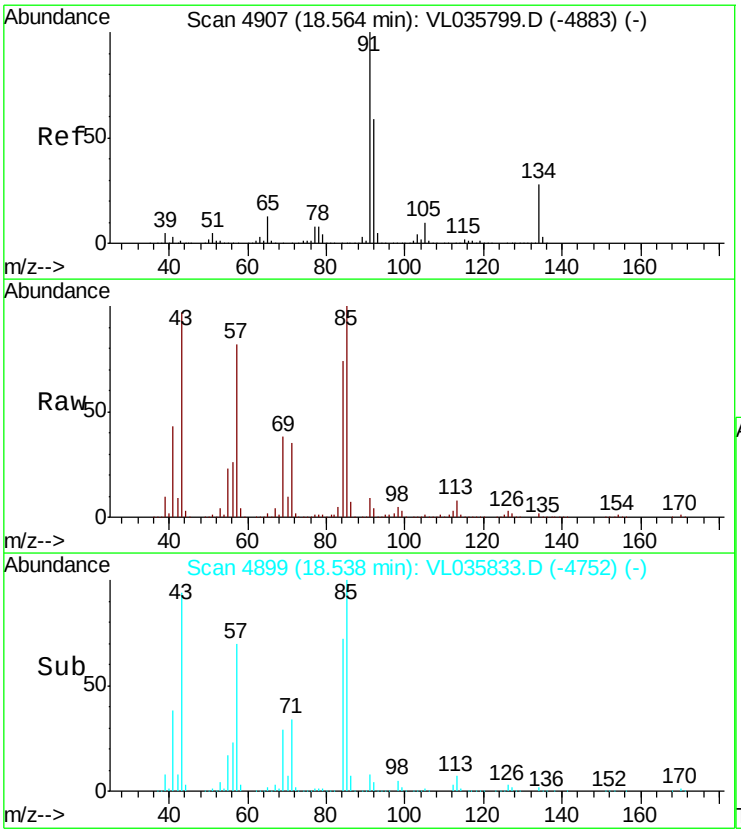
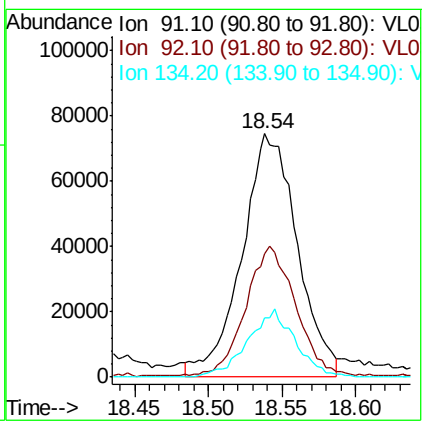
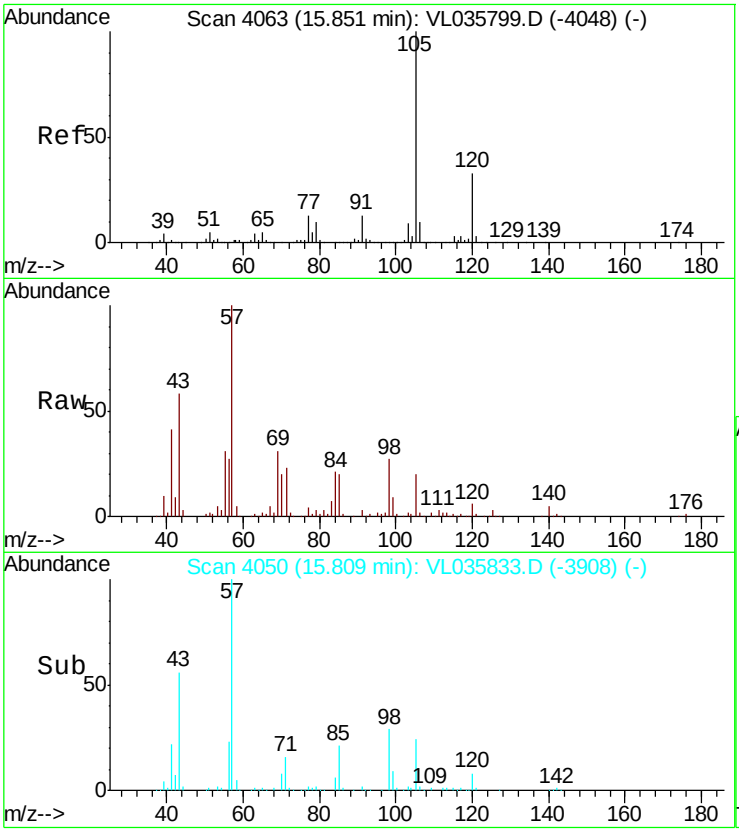


#70
n-Butylbenzene
Concen: 0.287 ppbv m
RT: 18.54 min Scan# 4899
Delta R.T. -0.03 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion: 91 Resp: 195469

Ion	Ratio	Lower	Upper
91	100		
92	0.0	45.7	68.5#
134	0.0	21.0	31.4#

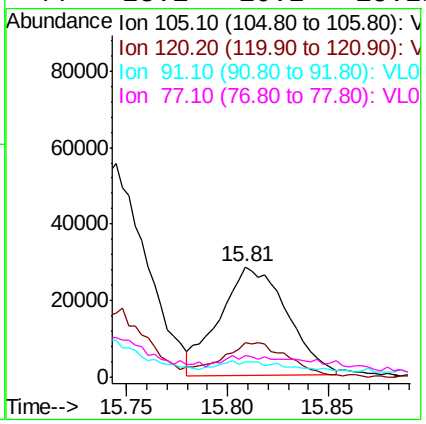




#72
4-Ethyltoluene
Concen: 0.122 ppbv
RT: 15.81 min Scan# 4050
Delta R.T. -0.04 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion:105 Resp: 65737

Ion	Ratio	Lower	Upper
105	100		
120	32.4	25.9	38.9
91	16.3	9.9	14.9#
77	23.1	10.2	15.2#



Instrument :
MSVOA_L
ClientSampleId :
SV1

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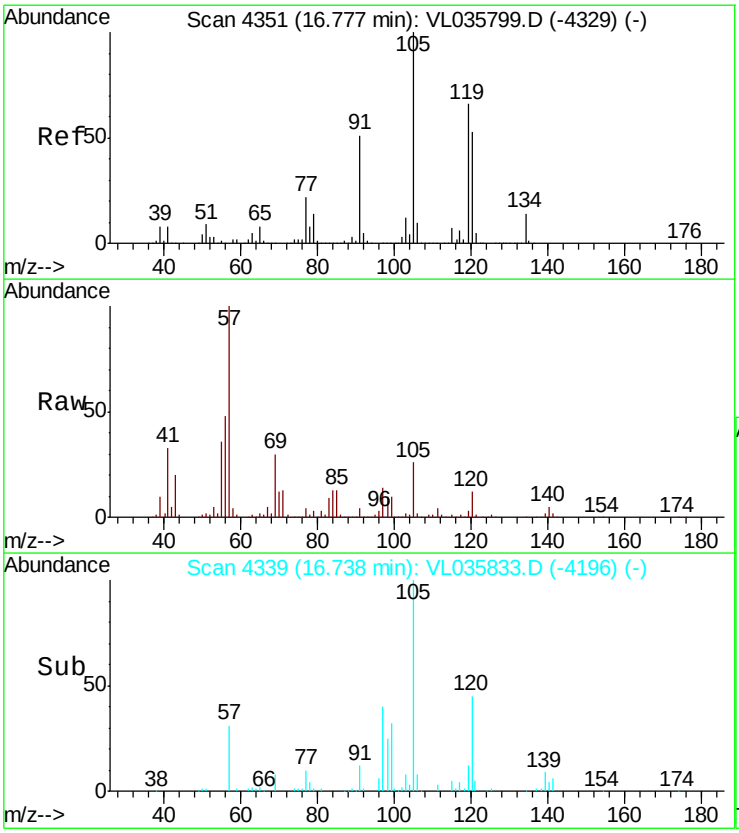

#74
1,2,4-Trimethylbenzene
Concen: 0.253 ppbv
RT: 16.74 min Scan# 4339
Delta R.T. -0.04 min
Lab File: VL035833.D
Acq: 4 Nov 2020 14:53

Tgt Ion:105 Resp: 133777

Ion	Ratio	Lower	Upper
105	100		
120	44.6	42.0	63.0
91	13.4	41.0	61.6#
77	10.5	17.3	25.9#