Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092320\
Data File : VL035716.D
Acq On : 23 Sep 2020 13:04
Operator : SY/AP
Sample : L4079-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : B-1DUP

Manual Integrations APPROVED
MMDadoda
9/24/2020 1:35:33 PM

Quant Time: Sep 24 11:31:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 2
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.68	49	1087762	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.19	114	4144306	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	4165217	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	3181758	10.19	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	48979	0.274	ppbv		97
3) Chlorodifluoromethane	2.99	51	51829m	0.443	ppbv		
4) Chloromethane	3.14	50	39329	0.626	ppbv		97
10) Heptane	8.14	43	39909	0.337	ppbv	#	19
11) Trichlorofluoromethane	3.95	101	65788	0.258	ppbv		91
13) Ethanol	3.60	45	169776	16.203	ppbv		100
15) Acetone	3.85	43	1068572	9.130	ppbv	#	54
19) Isopropyl Alcohol	3.98	45	167183	2.626	ppbv	#	89
20) Methylene Chloride	4.35	84	927473	10.788	ppbv		97
26) Hexane	5.70	57	600015	5.199	ppbv	#	50
30) Cyclohexane	7.15	84	68974	0.606	ppbv		89
34) 2-Butanone	5.26	43	83697	0.611	ppbv		99
35) Carbon Tetrachloride	7.03	117	16041	0.074	ppbv		97
36) Benzene	6.90	78	83167	0.308	ppbv		96
44) 2,2,4-Trimethylpentane	7.89	57	3752561	9.684	ppbv		97
52) Tetrachloroethene	11.25	164	22597	0.174	ppbv		94
53) Toluene	9.83	91	411346	1.292	ppbv		97
58) Ethyl Benzene	12.73	91	53120	0.127	ppbv		93
59) m/p-Xylene	13.00	91	180939	0.496	ppbv		97
60) o-Xylene	13.72	91	66036	0.179	ppbv		98
74) 1,2,4-Trimethylbenzene	16.80	105	188756	0.405	ppbv	#	71
79) Naphthalene	22.24	128	822409	1.850	ppbv		95
80) Naphthalene,2-methyl-	25.00	142	16935	0.162	ppbv	#	88

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092320\
Data File : VL035716.D
Acq On : 23 Sep 2020 13:04
Operator : SY/AP
Sample : L4079-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 11:31:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
B-1DUP

Manual Integrations APPROVED
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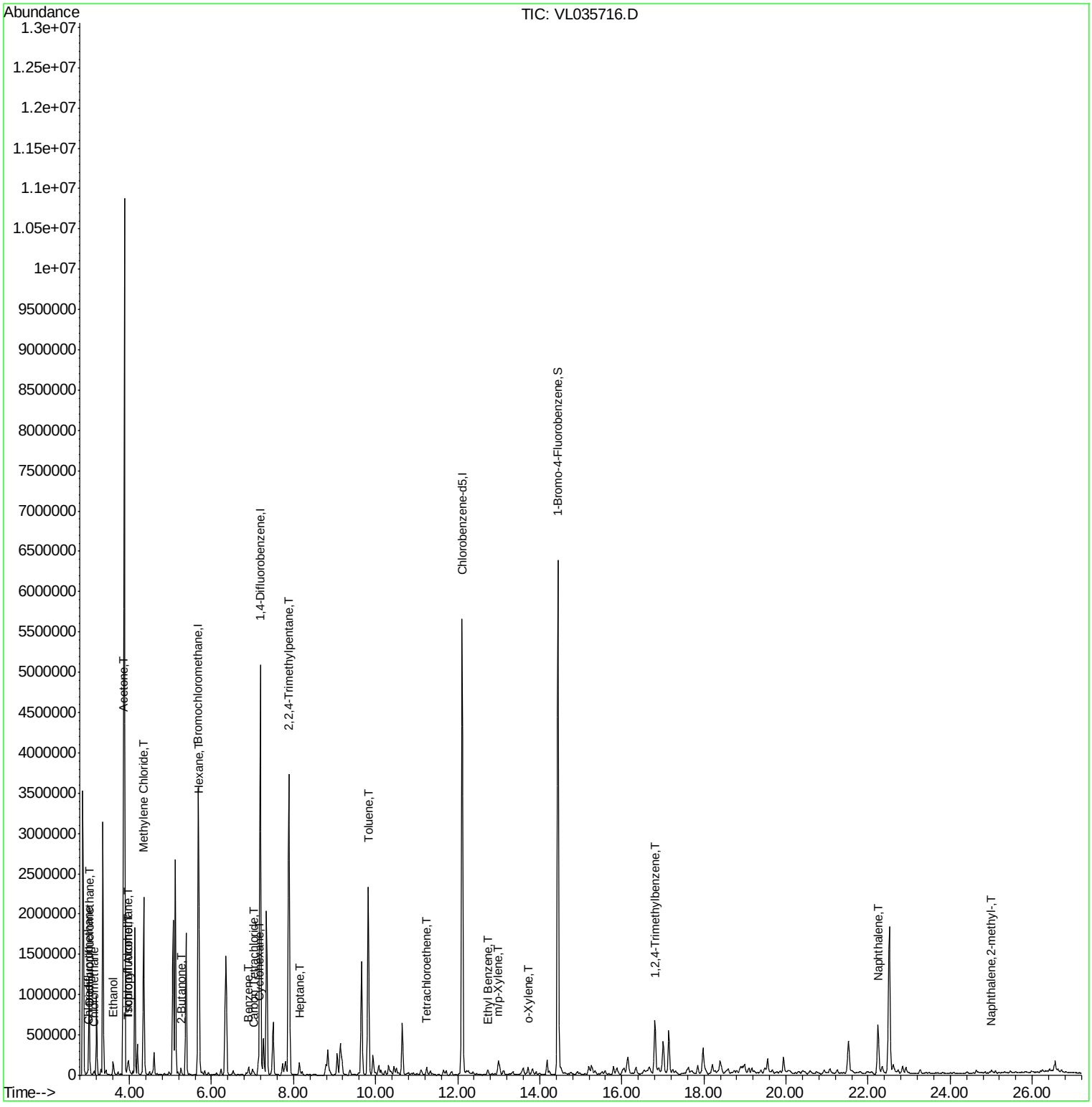
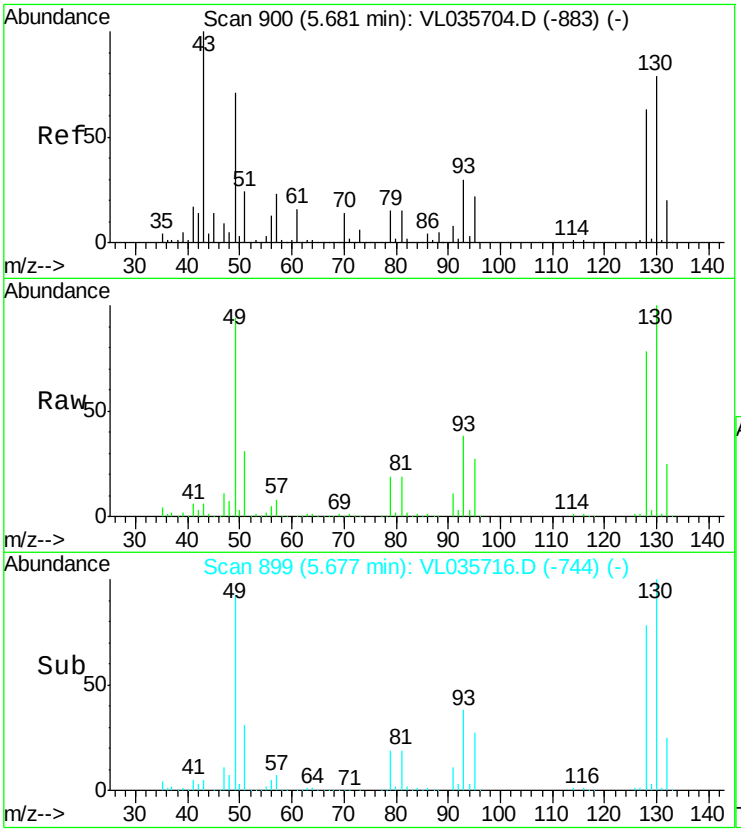
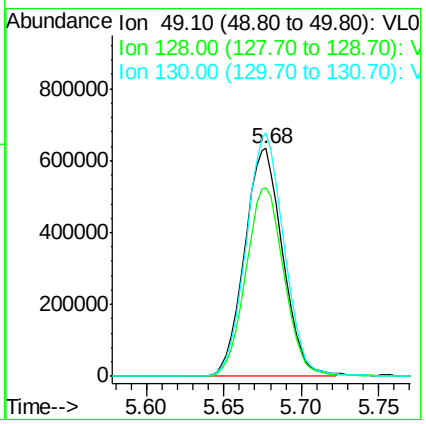




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

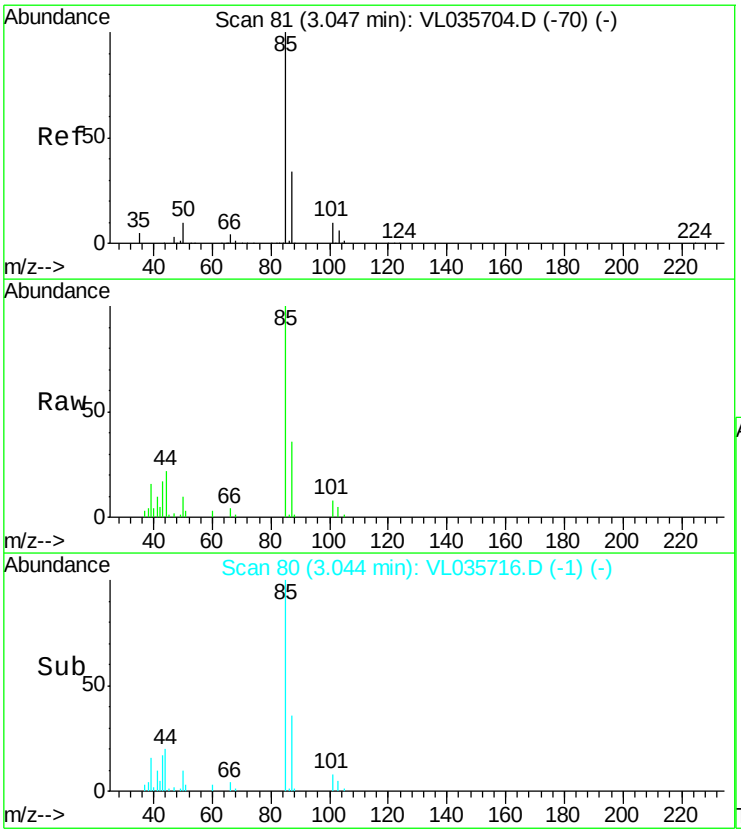
Tgt Ion: 49 Resp: 1087762

Ion	Ratio	Lower	Upper
49	100		
128	83.7	43.1	129.4
130	107.0	54.9	164.7



Instrument :
MSVOA_L
ClientSampleId :
B-1DUP

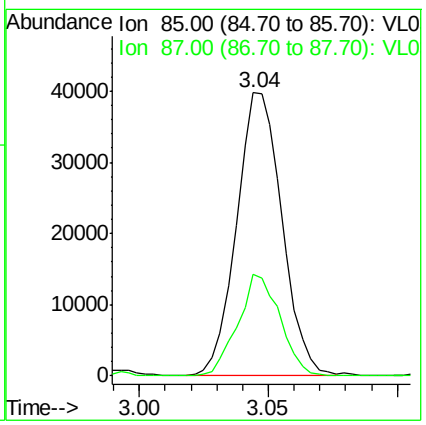
Manual Integrations APPROVED
MMDadoda
9/24/2020 1:35:33 PM

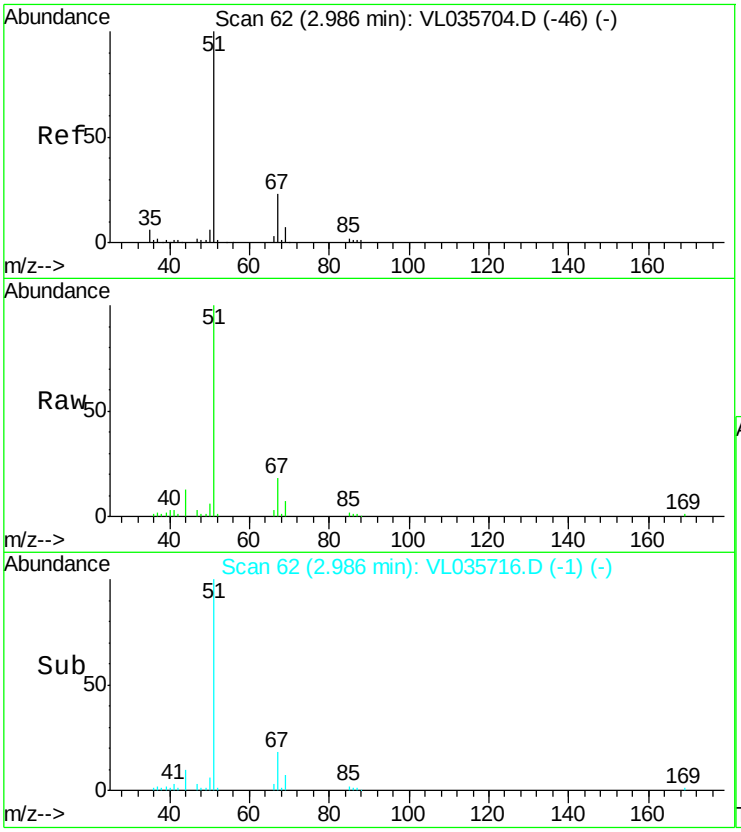


#2
Dichlorodifluoromethane
Concen: 0.274 ppbv
RT: 3.04 min Scan# 80
Delta R.T. -0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 85 Resp: 48979

Ion	Ratio	Lower	Upper
85	100		
87	35.9	27.3	40.9





#3
Chlorodifluoromethane
Concen: 0.443 ppbv m
RT: 2.99 min Scan# 62
Delta R.T. 0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 51 Resp: 51829

Ion	Ratio	Lower	Upper
51	100		
67	19.4	17.8	26.8

Instrument :
MSVOA_L
ClientSampleId :
B-1DUP

Manual Integrations APPROVED
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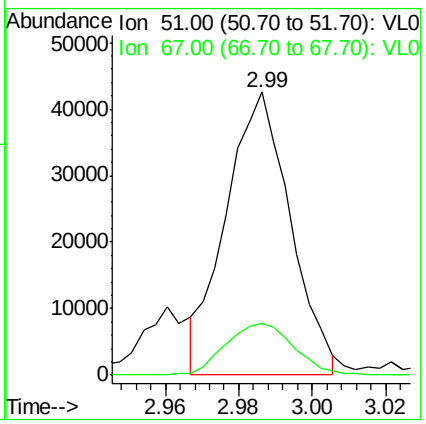
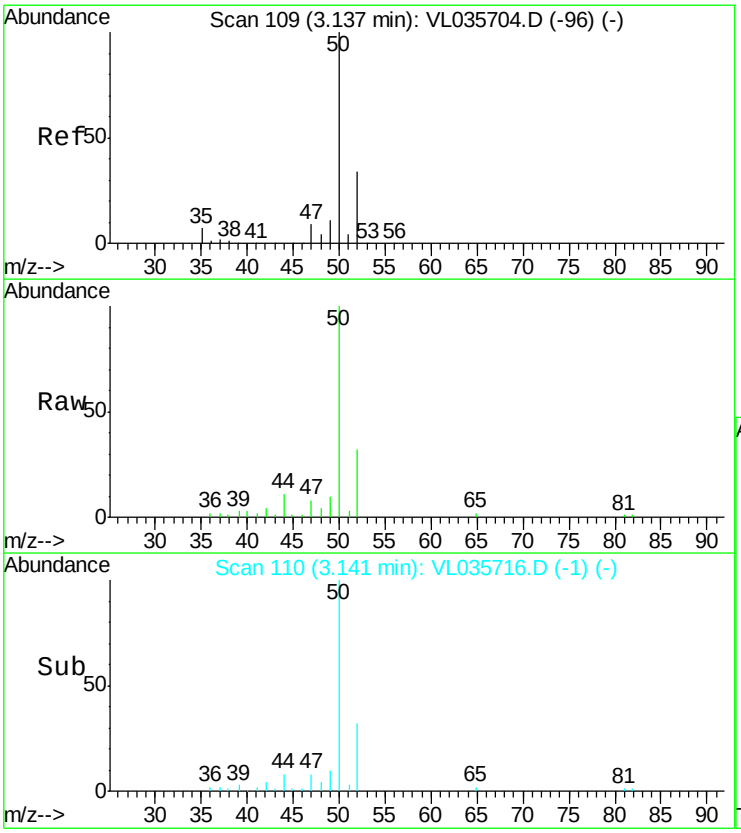
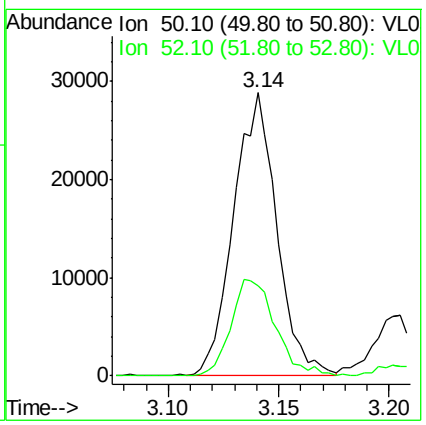


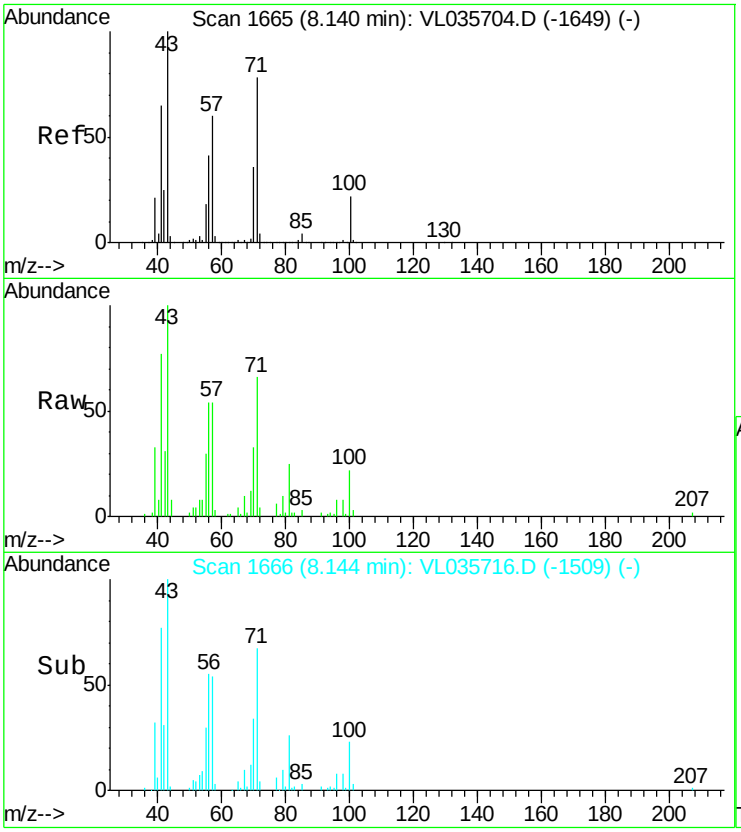


#4
Chloromethane
Concen: 0.626 ppbv
RT: 3.14 min Scan# 110
Delta R.T. 0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 50 Resp: 39329

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.8	40.2





#10
Heptane
Concen: 0.337 ppbv
RT: 8.14 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 43 Resp: 39909

Ion	Ratio	Lower	Upper
43	100		
57	0.0	50.4	75.6#

Instrument :
MSVOA_L
ClientSampleId :
B-1DUP

Manual Integrations APPROVED
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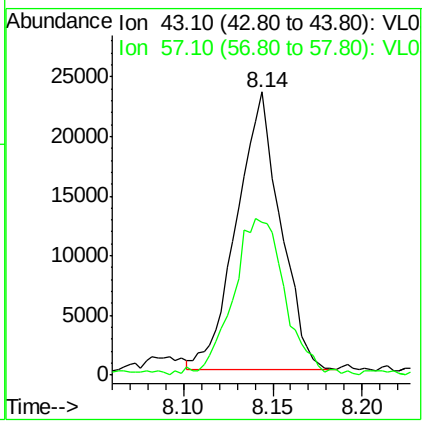
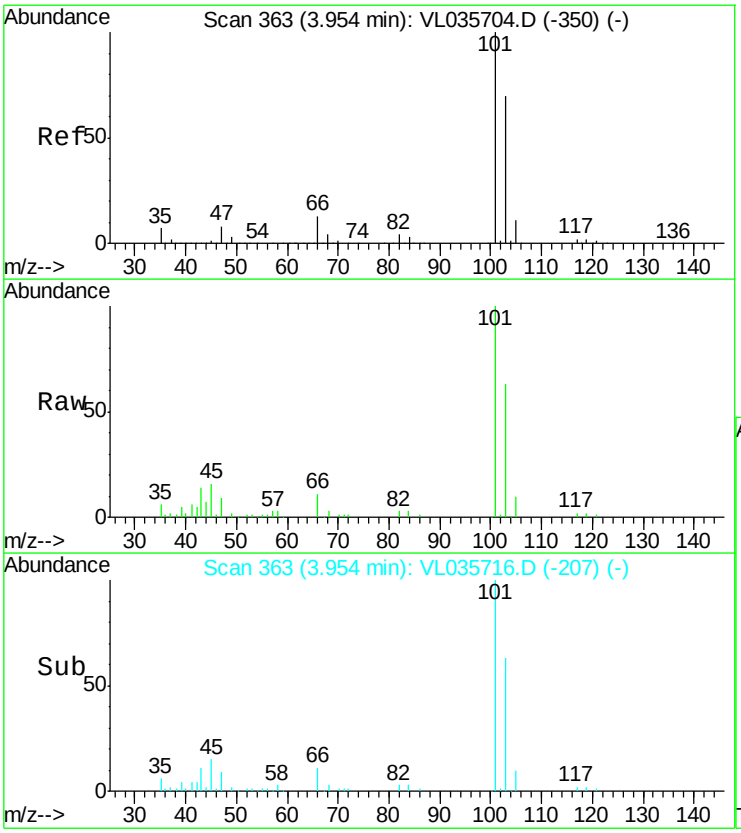
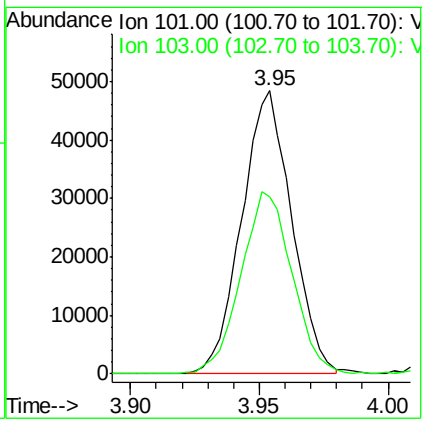


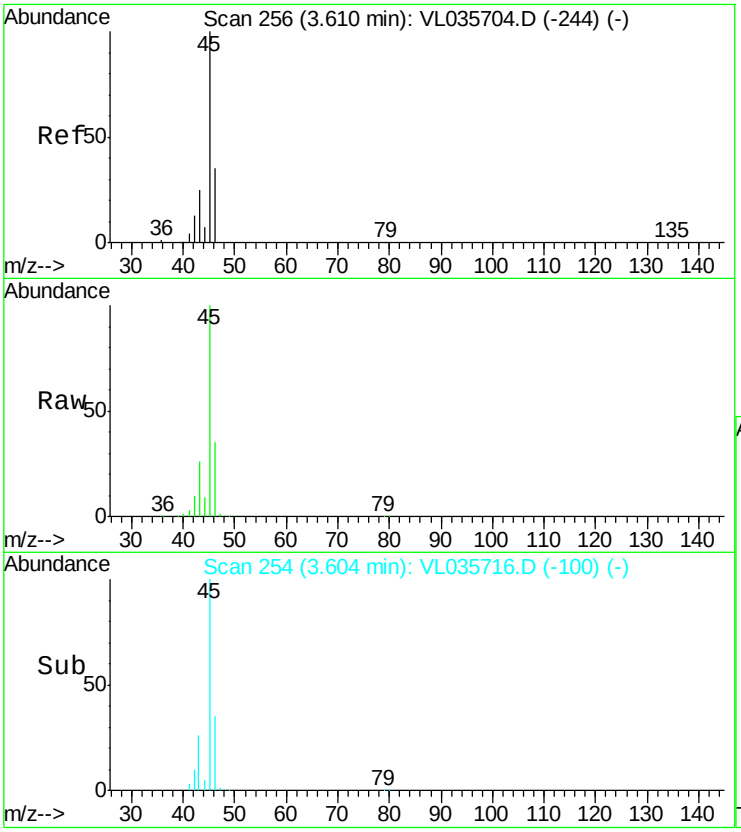


#11
Trichlorofluoromethane
Concen: 0.258 ppbv
RT: 3.95 min Scan# 363
Delta R.T. 0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion:101 Resp: 65788

Ion	Ratio	Lower	Upper
101	100		
103	62.0	55.6	83.4

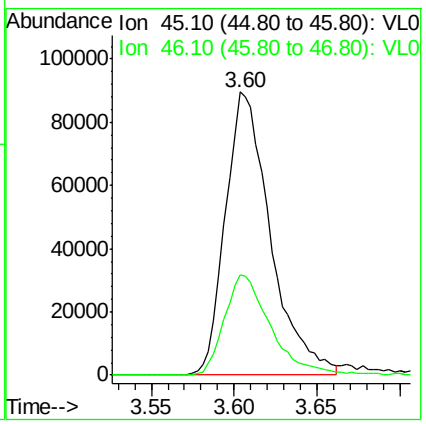




#13
Ethanol
Concen: 16.203 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.01 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 45 Resp: 169776

Ion	Ratio	Lower	Upper
45	100		
46	36.8	14.7	58.7



Instrument :
MSVOA_L
ClientSampleId :
B-1DUP

Manual Integrations APPROVED
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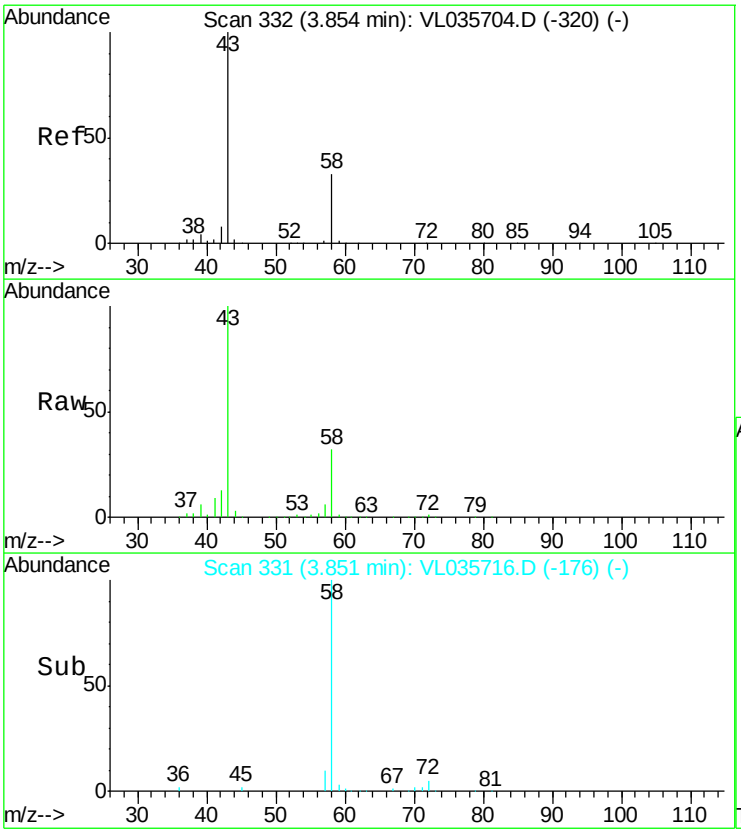
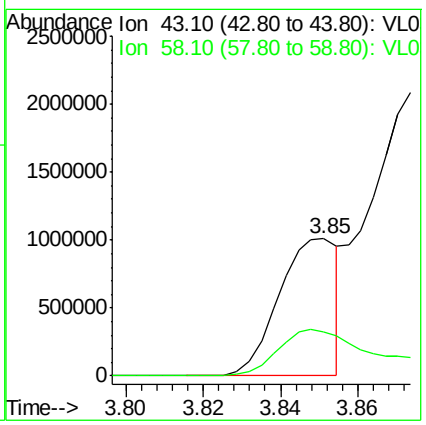
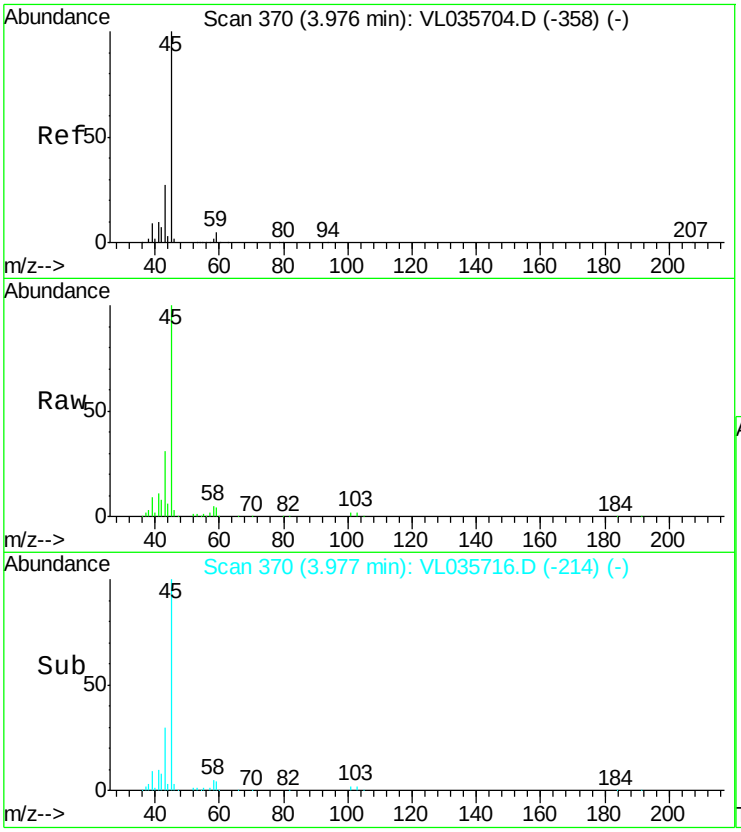


#15
Acetone
Concen: 9.130 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 43 Resp: 1068572

Ion	Ratio	Lower	Upper
43	100		
58	60.4	27.3	40.9#





#19
Isopropyl Alcohol
Concen: 2.626 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 45 Resp: 167183

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.8	4.2#

Instrument :
MSVOA_L
ClientSampleId :
B-1DUP

Manual Integrations APPROVED
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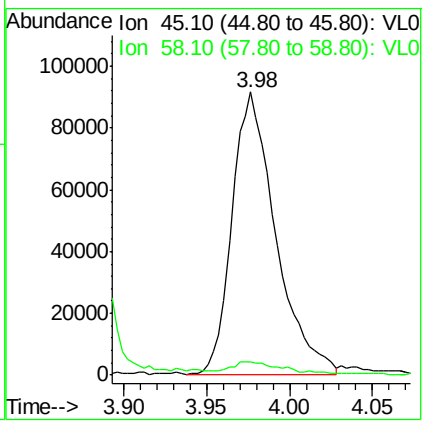
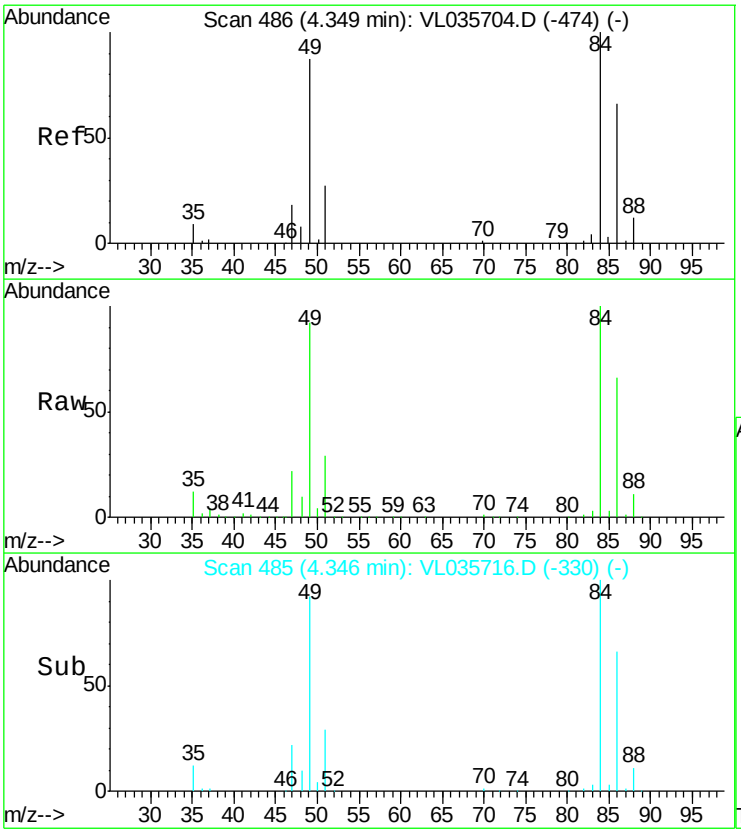
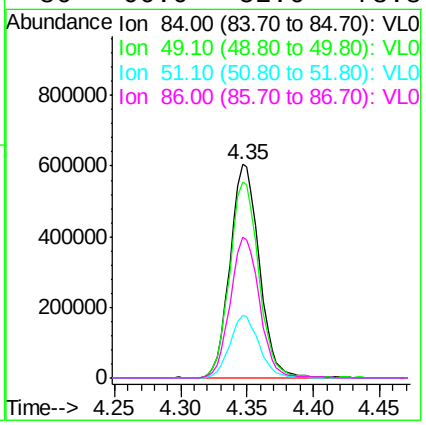


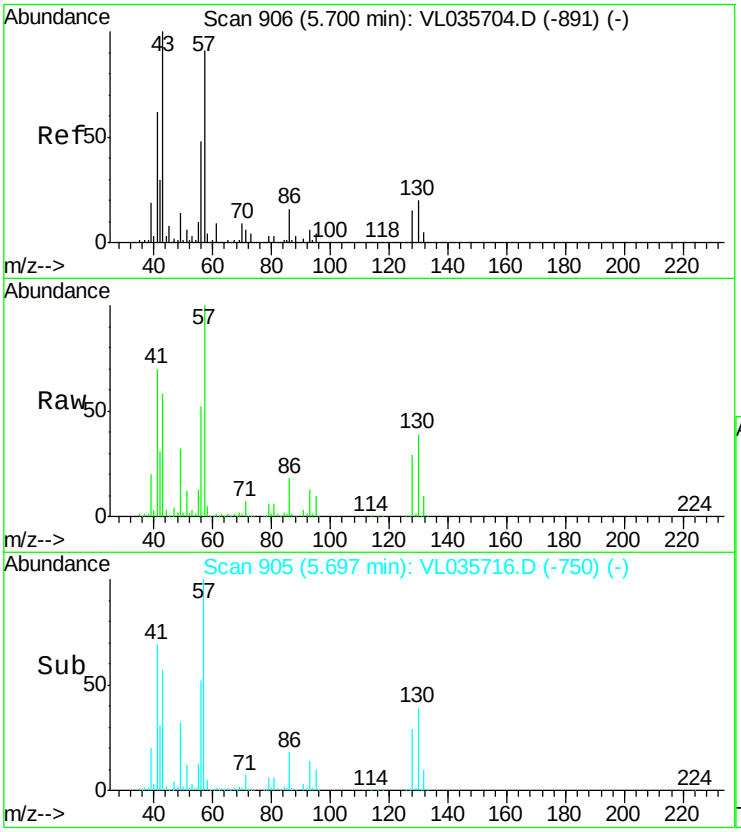


#20
Methylene Chloride
Concen: 10.788 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 84 Resp: 927473

Ion	Ratio	Lower	Upper
84	100		
49	91.9	69.8	104.6
51	29.1	21.8	32.8
86	66.0	52.6	78.8

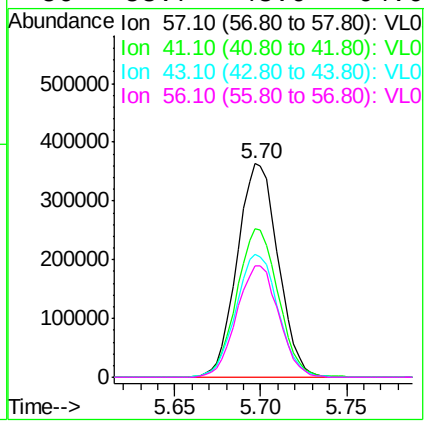




#26
Hexane
Concen: 5.199 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 57 Resp: 600015

Ion	Ratio	Lower	Upper
57	100		
41	70.7	57.9	86.9
43	59.8	143.8	215.6#
56	53.7	43.0	64.6



Instrument :
MSVOA_L
ClientSampleId :
B-1DUP

Manual Integrations APPROVED
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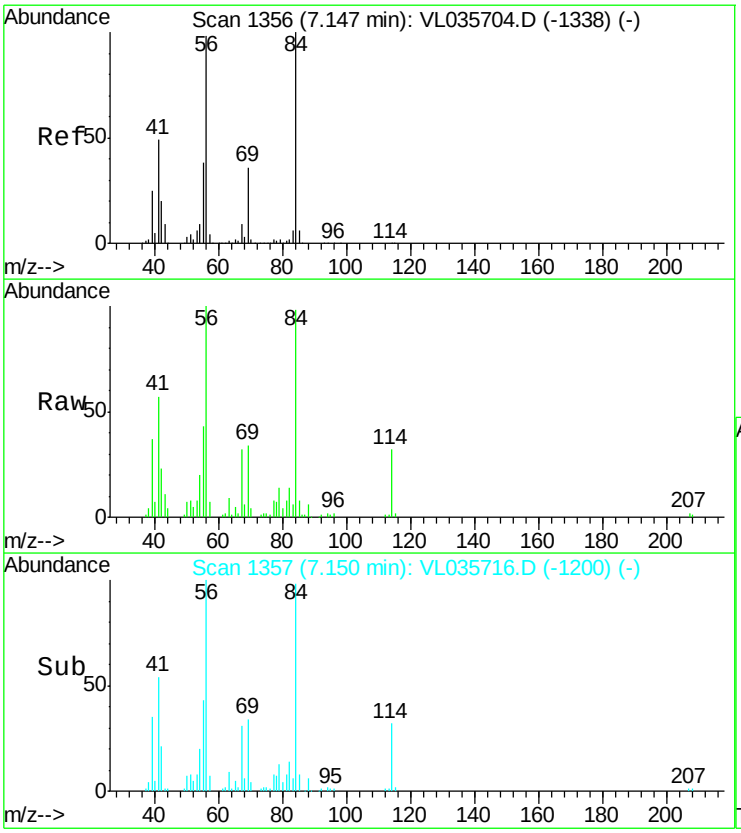
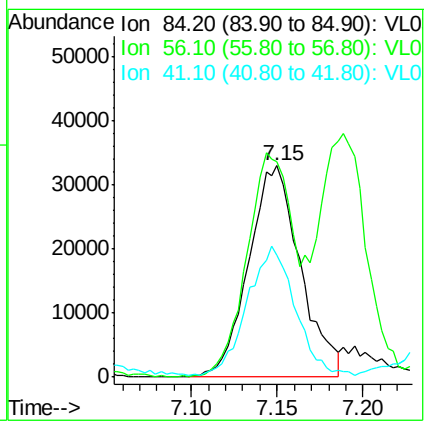
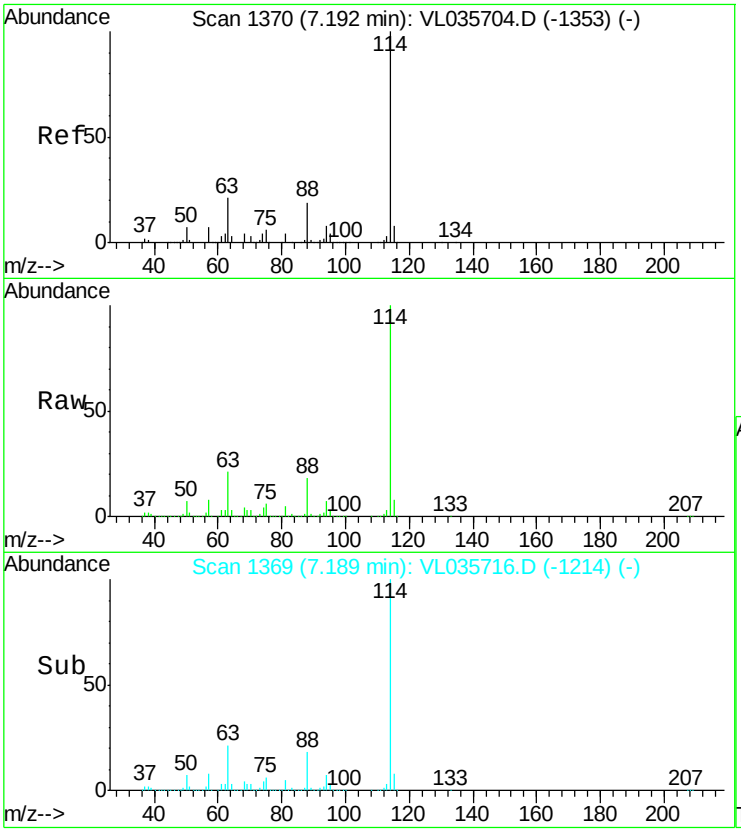


#30
Cyclohexane
Concen: 0.606 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 84 Resp: 68974

Ion	Ratio	Lower	Upper
84	100		
56	91.8	84.6	127.0
41	55.8	41.1	61.7

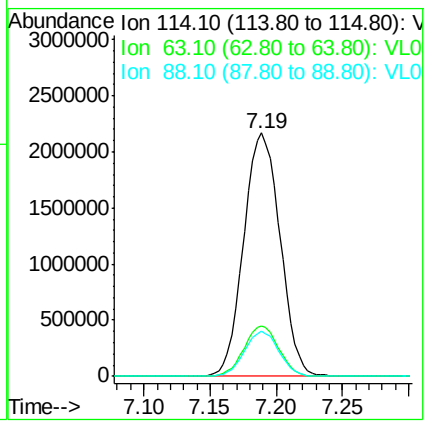




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion:114 Resp: 4144306

Ion	Ratio	Lower	Upper
114	100		
63	20.1	16.1	24.1
88	17.7	14.1	21.1



Instrument :
MSVOA_L
ClientSampleId :
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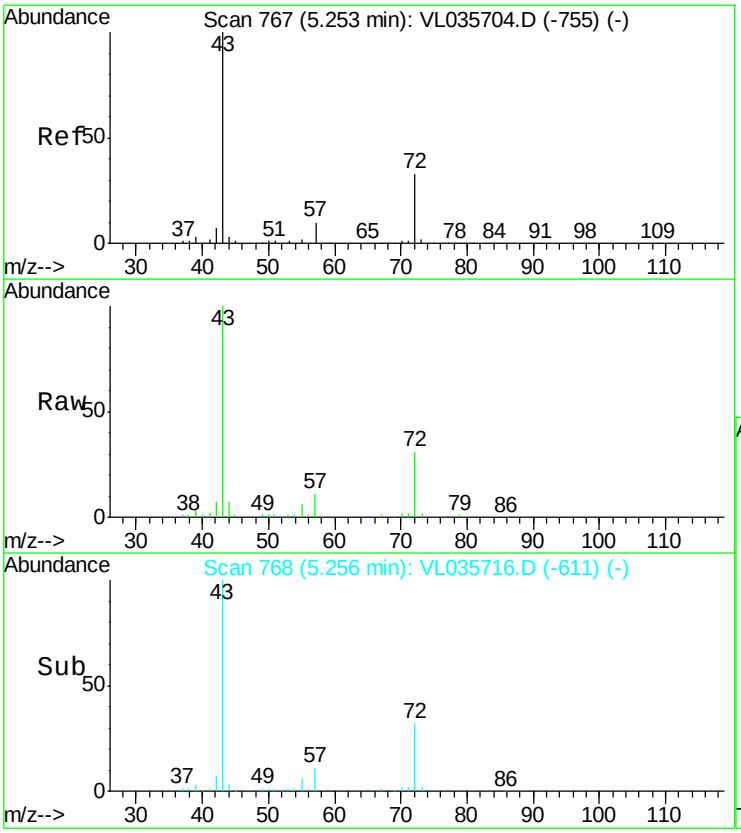
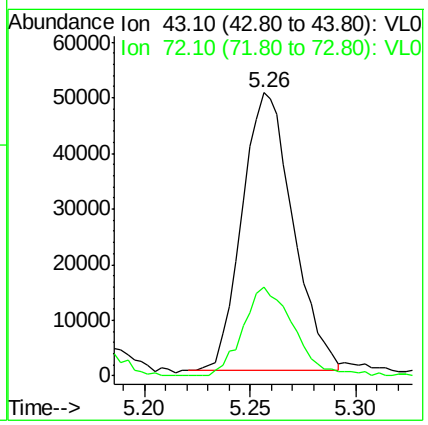
9/24/2020 1:35:33 PM

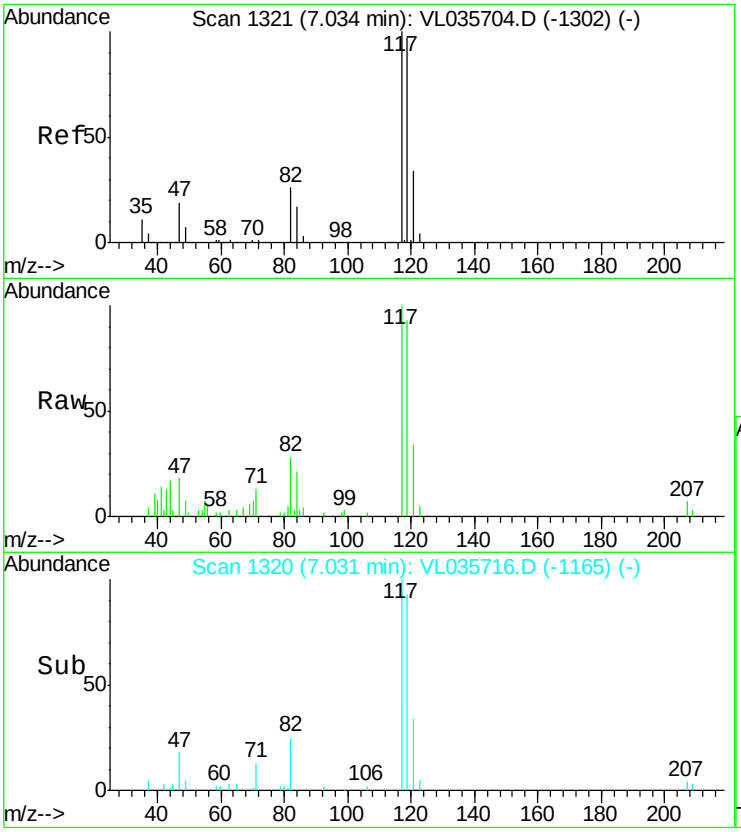


#34
2-Butanone
Concen: 0.611 ppbv
RT: 5.26 min Scan# 768
Delta R.T. 0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 43 Resp: 83697

Ion	Ratio	Lower	Upper
43	100		
72	32.3	26.1	39.1

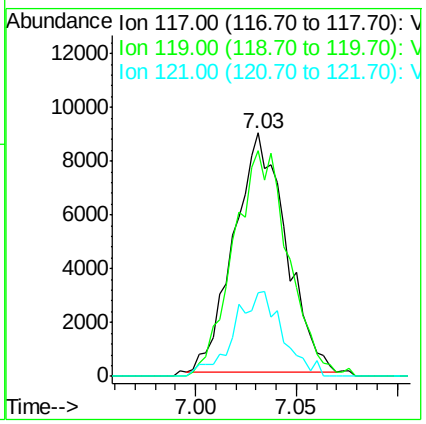




#35
Carbon Tetrachloride
Concen: 0.074 ppbv
RT: 7.03 min Scan# 1320
Delta R.T. -0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion:117 Resp: 16041

Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.7	116.5
121	34.7	26.9	40.3



Instrument :
MSVOA_L
ClientSampleId :
B-1DUP

Manual Integrations APPROVED
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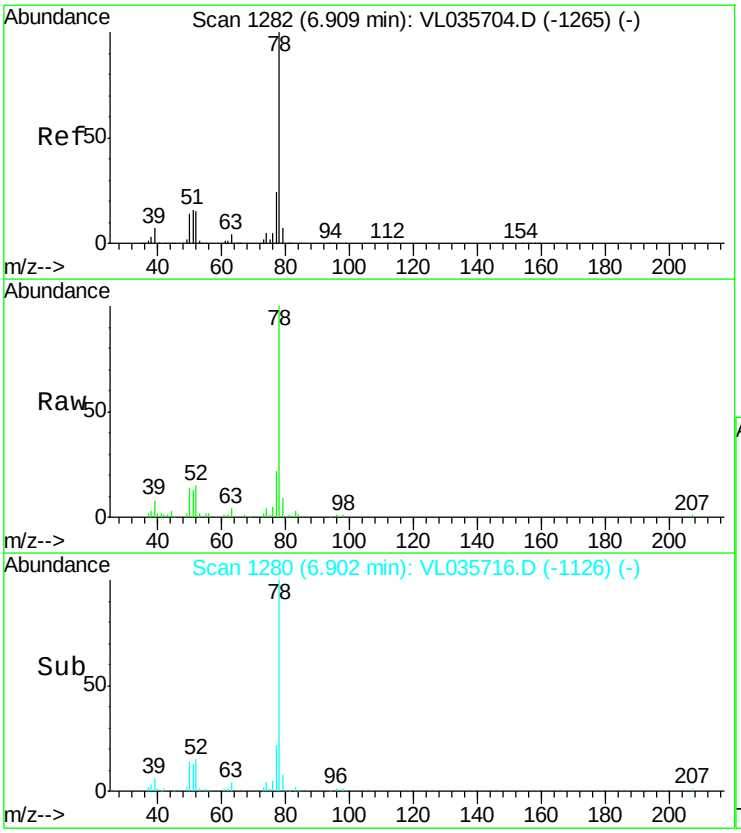
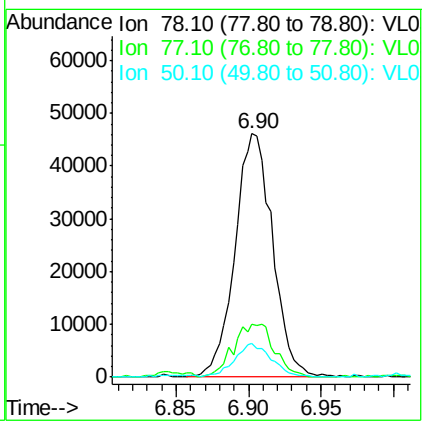
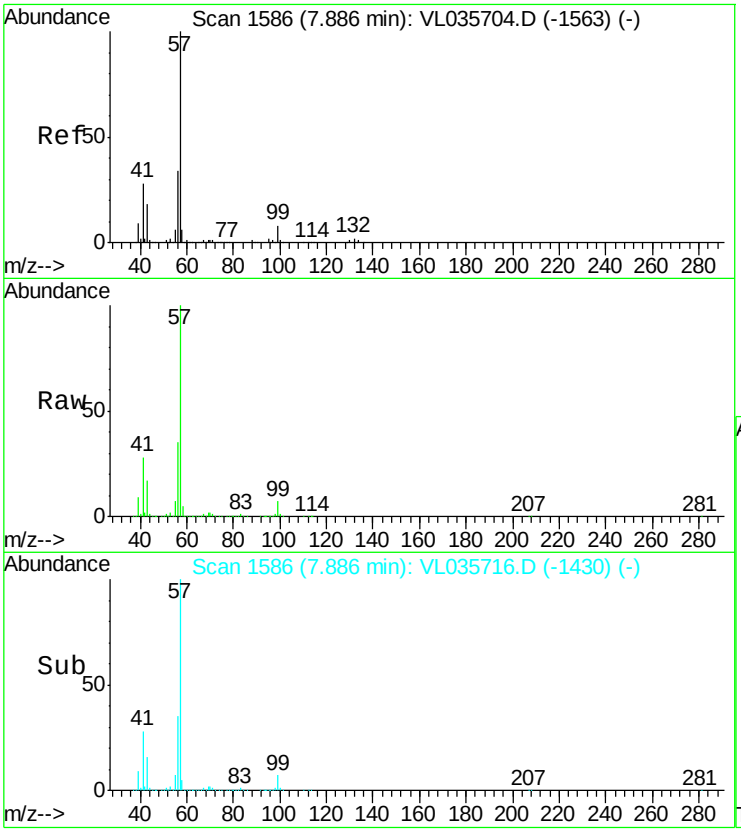


#36
Benzene
Concen: 0.308 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 78 Resp: 83167

Ion	Ratio	Lower	Upper
78	100		
77	21.6	19.3	28.9
50	13.9	11.6	17.4

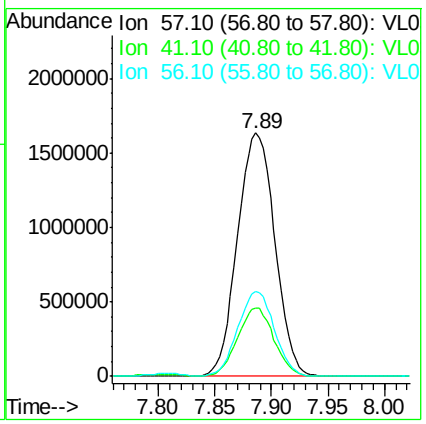




#44
2,2,4-Trimethylpentane
Concen: 9.684 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 57 Resp: 3752561

Ion	Ratio	Lower	Upper
57	100		
41	27.4	21.2	31.8
56	34.2	25.8	38.8



Instrument :
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ClientSampleId :
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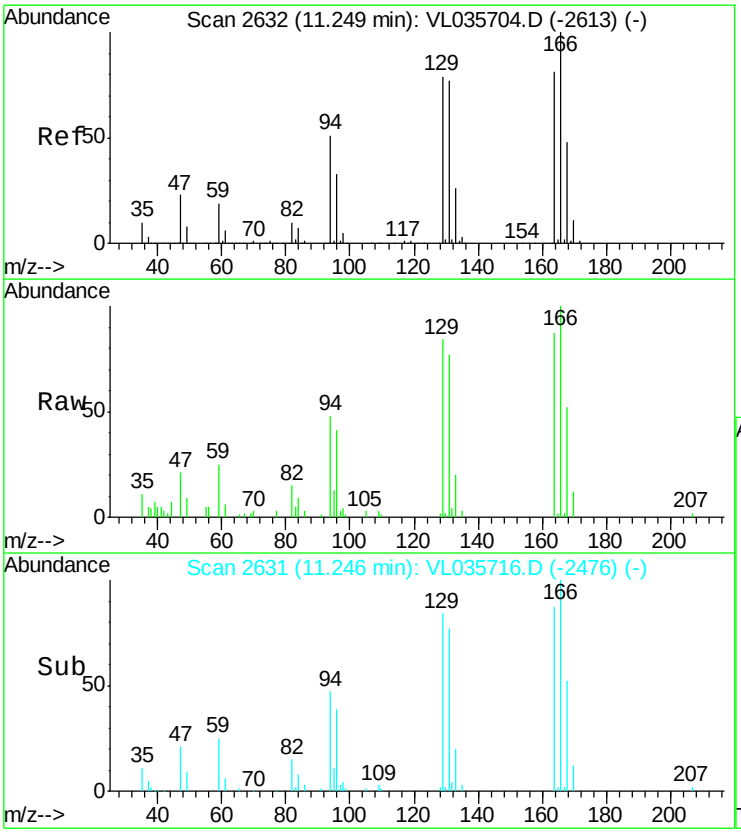
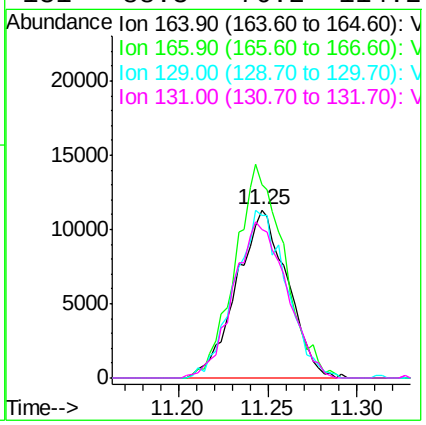
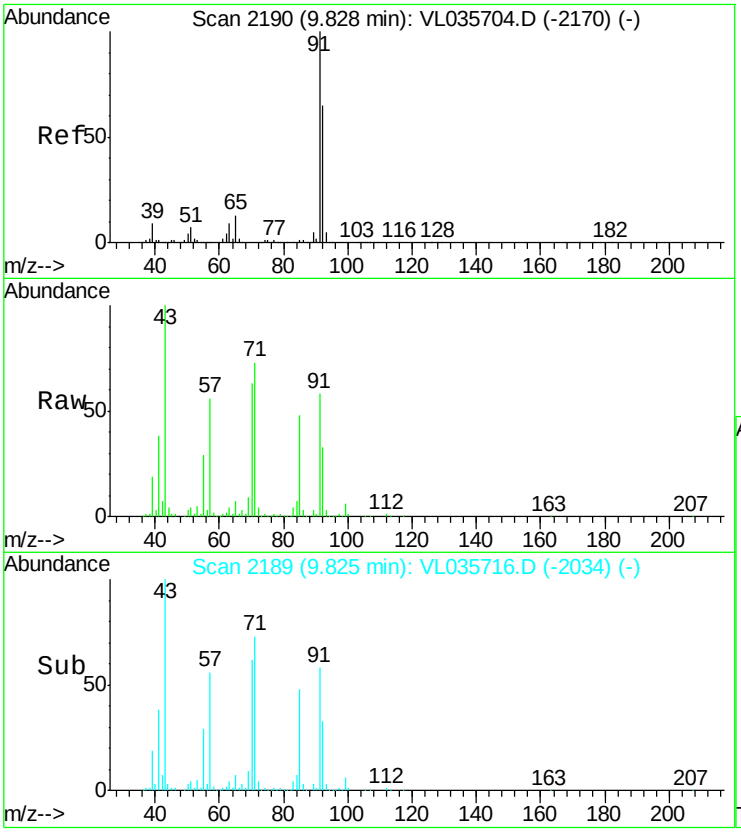


#52
Tetrachloroethene
Concen: 0.174 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. -0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion:164 Resp: 22597

Ion	Ratio	Lower	Upper
164	100		
166	114.7	98.7	148.1
129	96.5	78.4	117.6
131	88.3	76.2	114.2

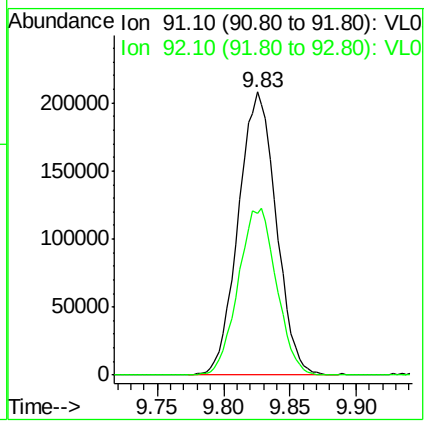




#53
Toluene
Concen: 1.292 ppbv
RT: 9.83 min Scan# 2189
Delta R.T. -0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 91 Resp: 411346

Ion	Ratio	Lower	Upper
91	100		
92	60.1	50.0	75.0



Instrument :
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ClientSampleId :
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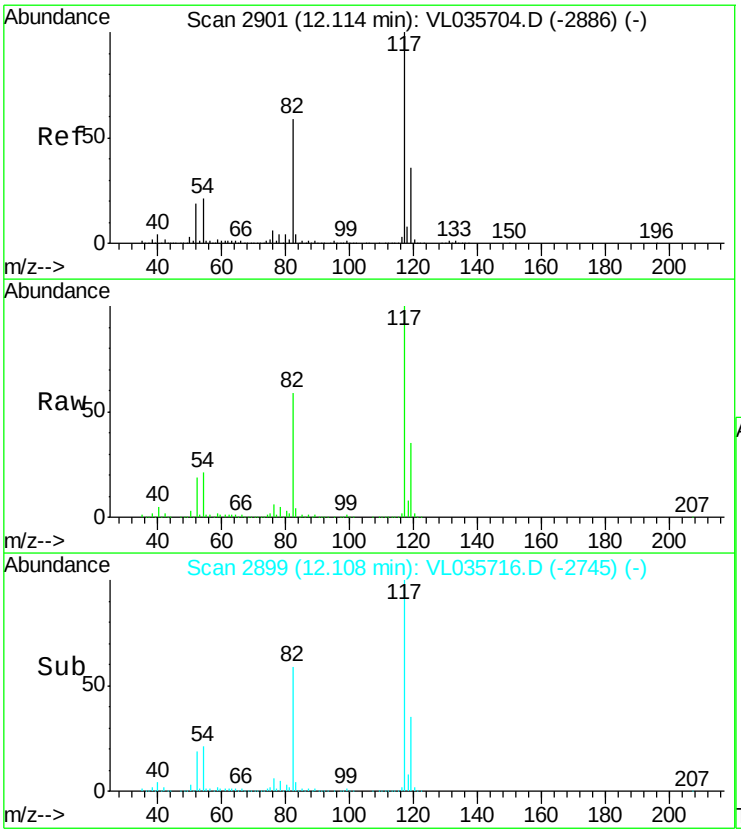
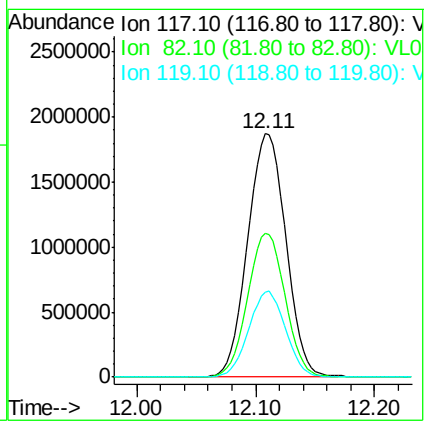
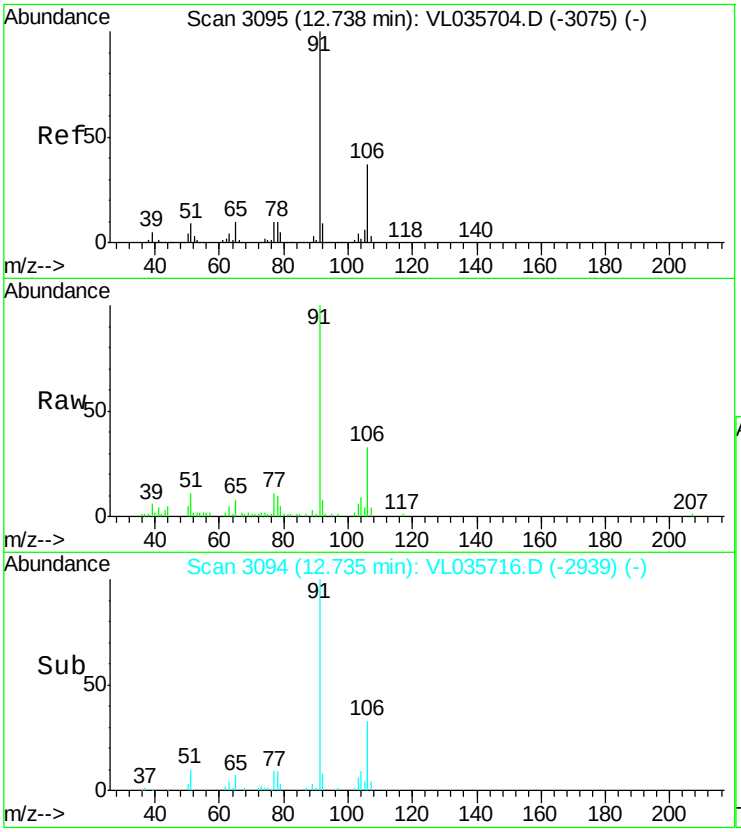


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion:117 Resp: 4165217

Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.1	69.1
119	34.2	28.0	42.0





#58
Ethyl Benzene
Concen: 0.127 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 91 Resp: 53120

Ion	Ratio	Lower	Upper
91	100		
106	32.9	29.7	44.5

Instrument :
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ClientSampleId :
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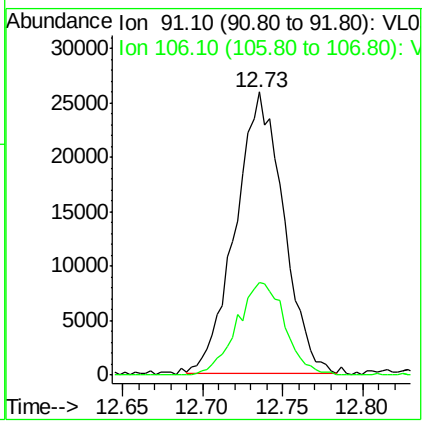
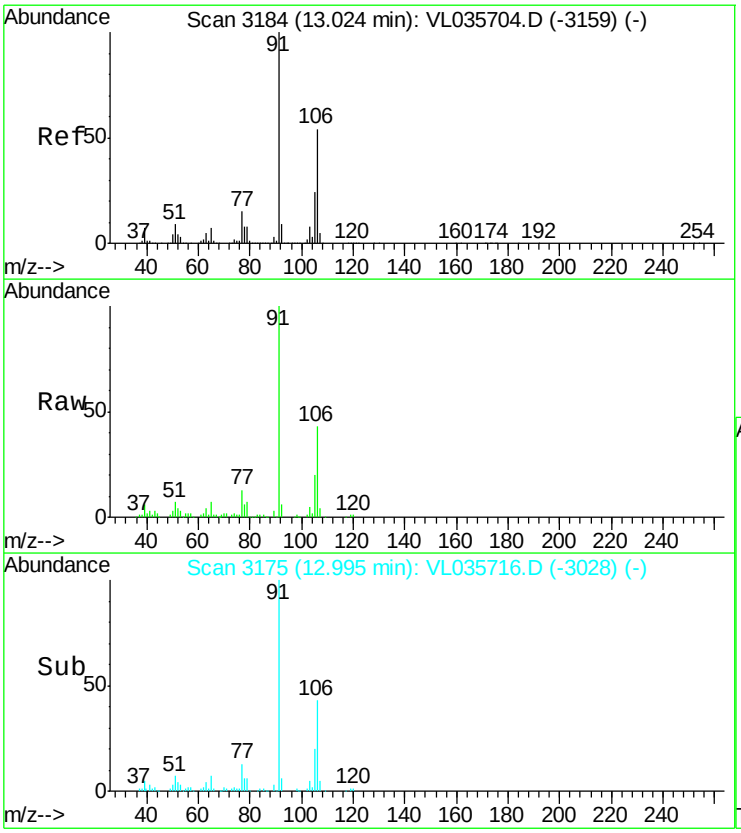
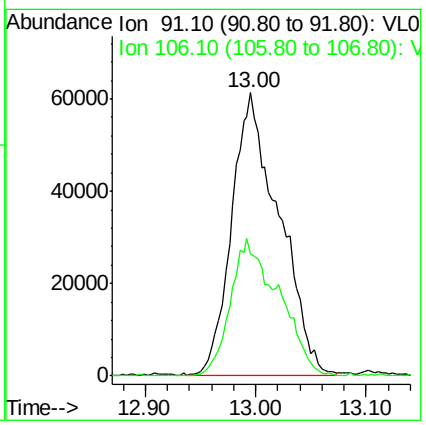


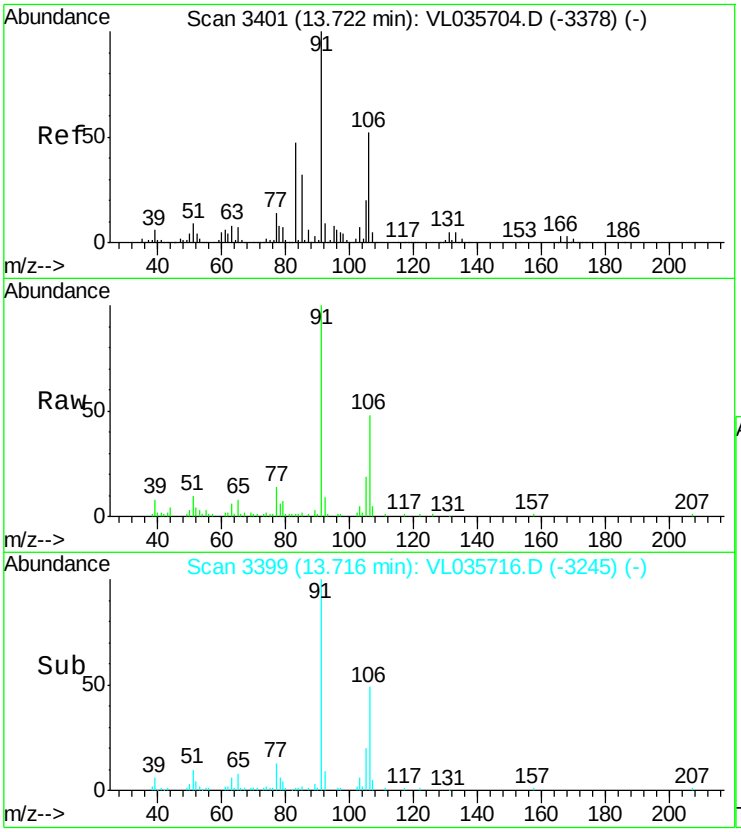


#59
m/p-Xylene
Concen: 0.496 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. -0.03 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 91 Resp: 180939

Ion	Ratio	Lower	Upper
91	100		
106	49.7	41.4	62.0

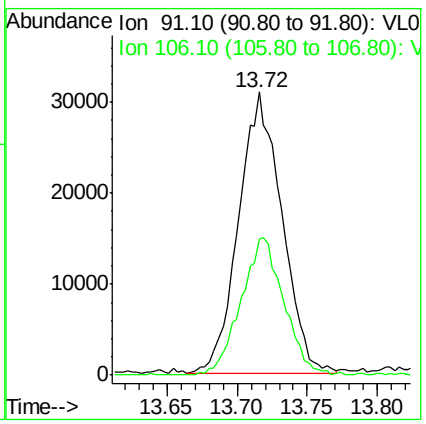




#60
o-Xylene
Concen: 0.179 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 91 Resp: 66036

Ion	Ratio	Lower	Upper
91	100		
106	48.7	25.0	75.0



Instrument :
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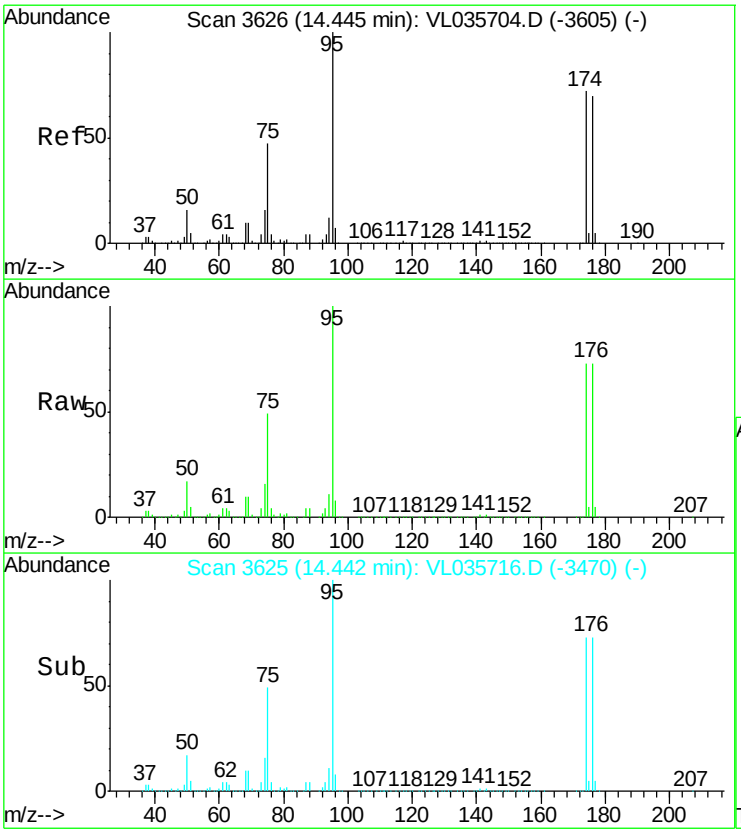
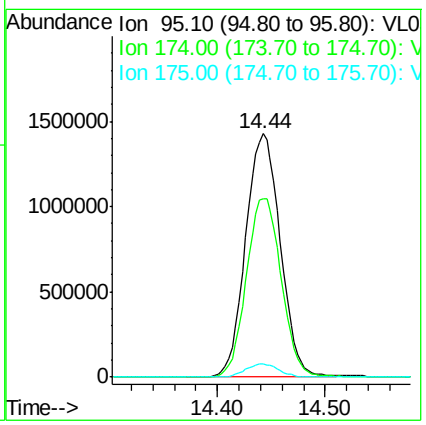
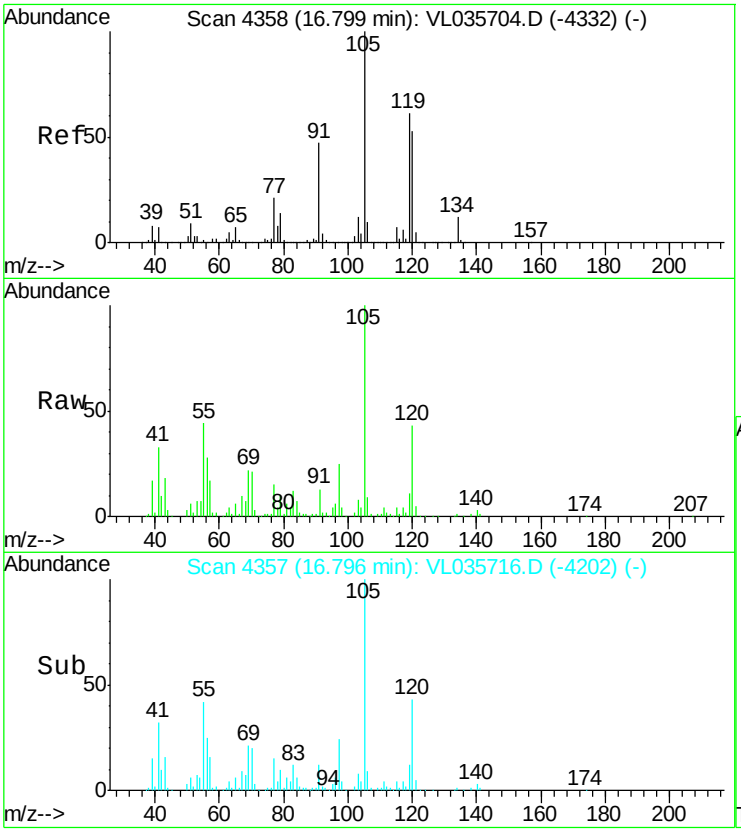


#68
1-Bromo-4-Fluorobenzene
Concen: 10.194 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 95 Resp: 3181758

Ion	Ratio	Lower	Upper
95	100		
174	74.9	59.6	89.4
175	5.3	4.2	6.4

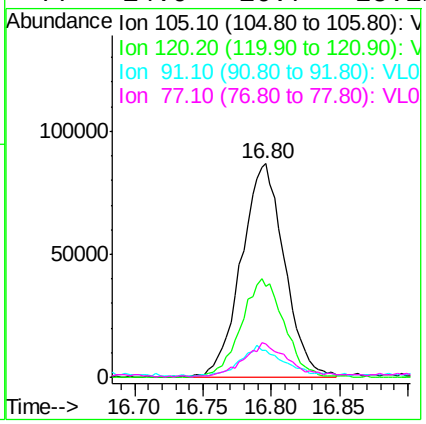




#74
1,2,4-Trimethylbenzene
Concen: 0.405 ppbv
RT: 16.80 min Scan# 4357
Delta R.T. -0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion:105 Resp: 188756

Ion	Ratio	Lower	Upper
105	100		
120	42.7	42.5	63.7
91	11.8	37.7	56.5#
77	14.9	16.7	25.1#



Instrument :
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ClientSampleId :
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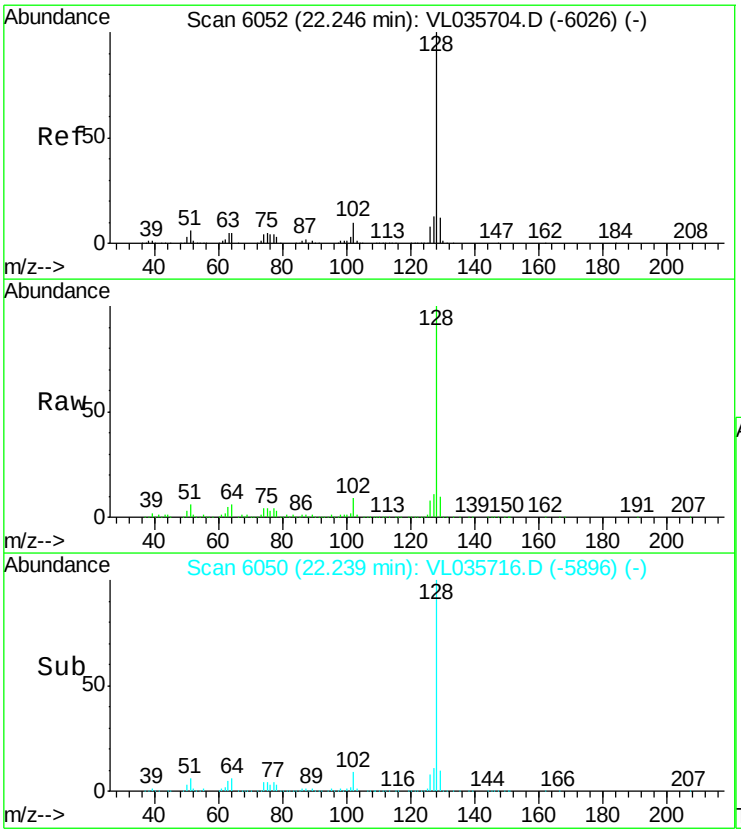
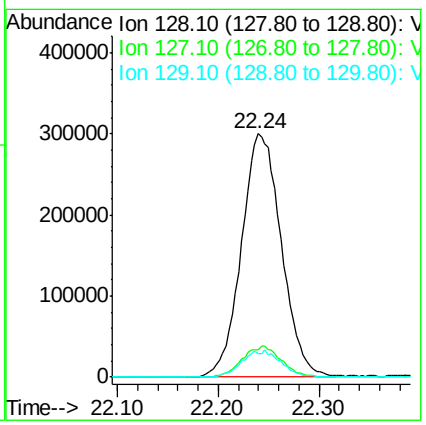
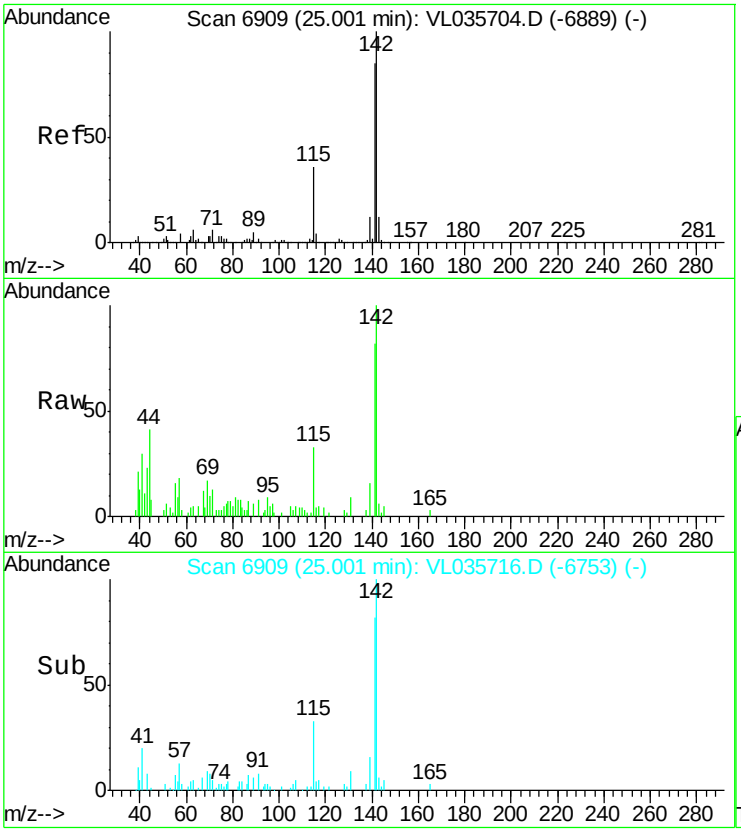


#79
Naphthalene
Concen: 1.850 ppbv
RT: 22.24 min Scan# 6050
Delta R.T. -0.01 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion:128 Resp: 822409

Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.6	15.8
129	9.9	9.4	14.0

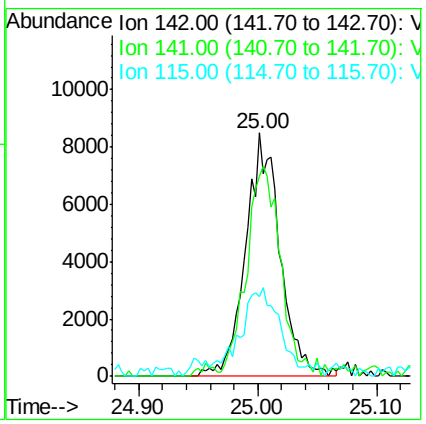




#80
Naphthalene,2-methyl-
Concen: 0.162 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. 0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion:142 Resp: 16935

Ion	Ratio	Lower	Upper
142	100		
141	91.3	68.2	102.4
115	48.5	27.8	41.6#



Instrument :
MSVOA_L
ClientSampleId :
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