Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091620\
Data File : VL035639.D
Acq On : 16 Sep 2020 21:45
Operator : SY/AP
Sample : L4036-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : DB-IA-Y02

Manual Integrations APPROVED
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9/17/2020 1:52:45 PM

Quant Time: Sep 17 10:43:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Sep 1
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1016466	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	4013696	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	4067364	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	3065707	10.61	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	46179	0.262	ppbv		92
3) Chlorodifluoromethane	2.98	51	33585m	0.299	ppbv		
4) Chloromethane	3.13	50	30881	0.513	ppbv		95
9) Propene	3.01	41	14102	0.325	ppbv	#	77
10) Heptane	8.13	43	26580	0.228	ppbv		98
11) Trichlorofluoromethane	3.94	101	69111	0.269	ppbv		93
13) Ethanol	3.60	45	213247	19.845	ppbv		96
15) Acetone	3.84	43	406702	3.628	ppbv		99
19) Isopropyl Alcohol	3.97	45	155114	2.319	ppbv	#	91
20) Methylene Chloride	4.34	84	402840	4.825	ppbv		97
26) Hexane	5.68	57	358599	3.196	ppbv	#	50
34) 2-Butanone	5.25	43	31940	0.268	ppbv		96
35) Carbon Tetrachloride	7.01	117	14292	0.071	ppbv		85
36) Benzene	6.89	78	30436	0.117	ppbv		94
53) Toluene	9.81	91	225301	0.690	ppbv		97
59) m/p-Xylene	12.98	91	40549m	0.116	ppbv		

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091620\
Data File : VL035639.D
Acq On : 16 Sep 2020 21:45
Operator : SY/AP
Sample : L4036-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 10:43:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Sep
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
DB-IA-Y02

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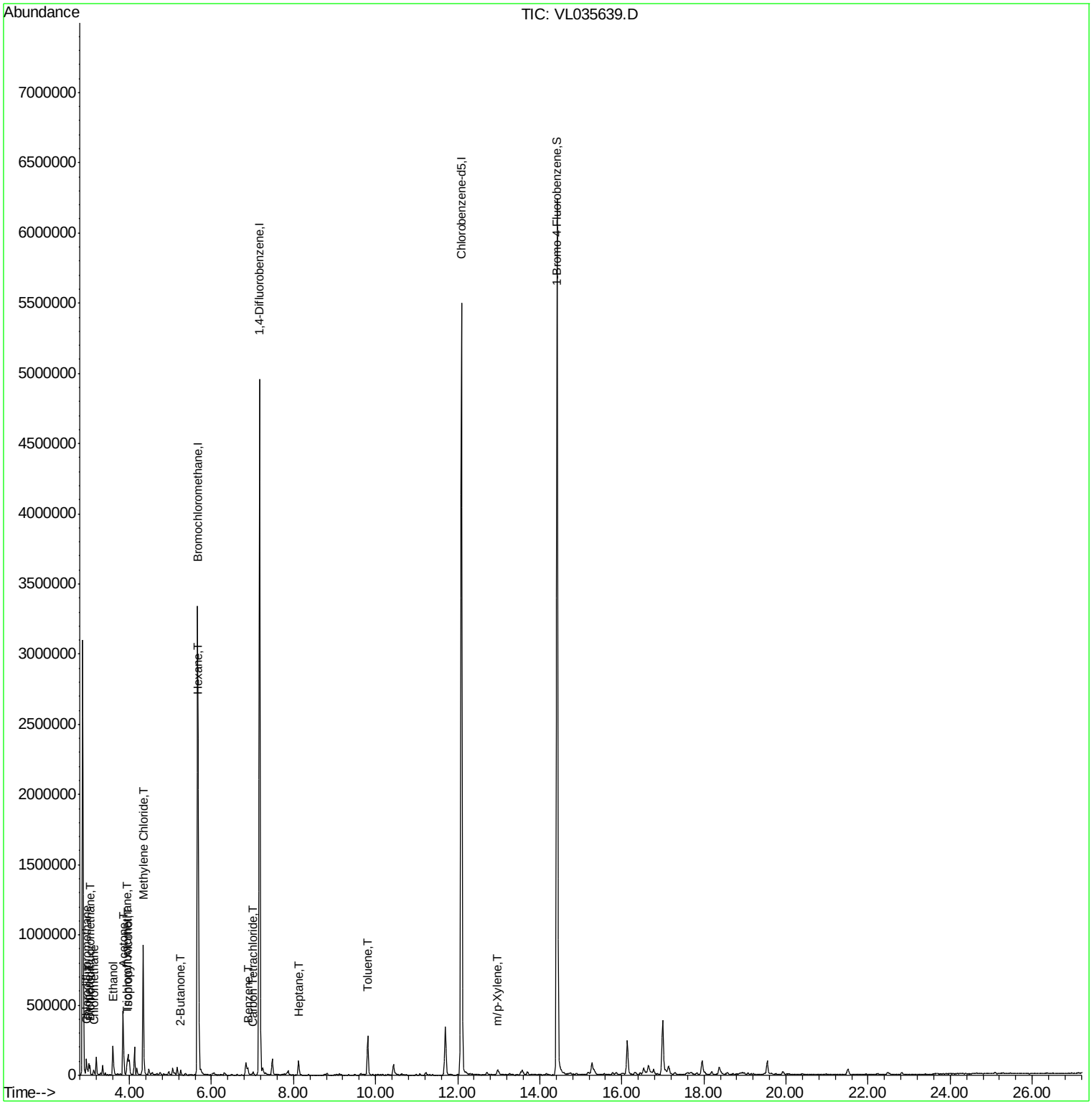
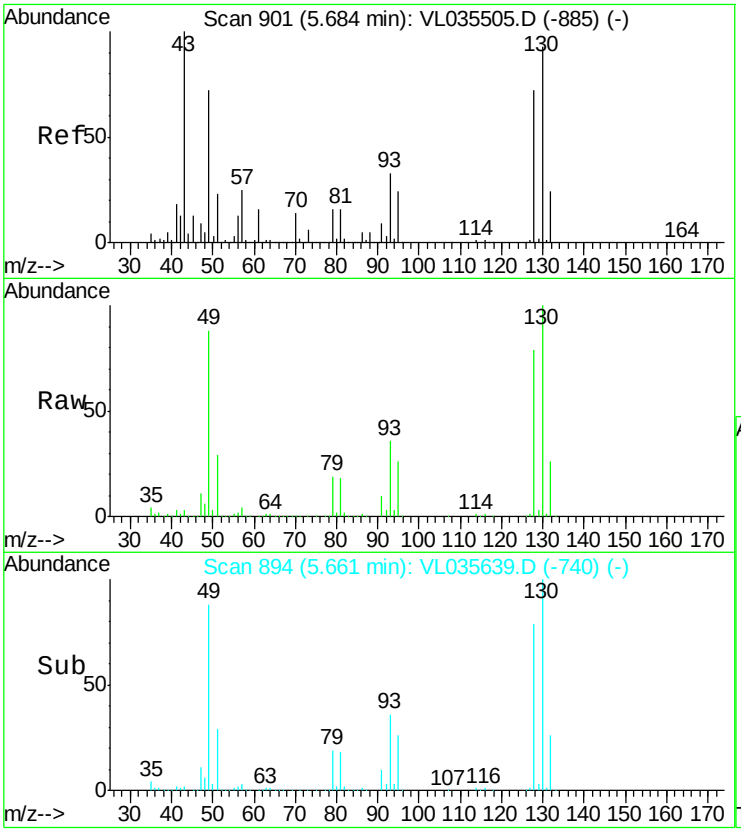
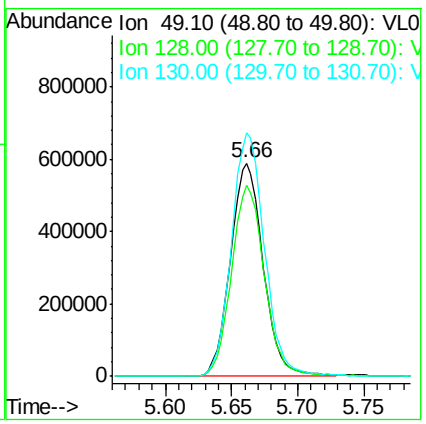




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL035639.D
Acq: 16 Sep 2020 21:45

Tgt Ion: 49 Resp: 1016466

Ion	Ratio	Lower	Upper
49	100		
128	90.3	50.0	150.1
130	116.0	64.4	193.2



Instrument :
MSVOA_L
ClientSampleId :
DB-IA-Y02

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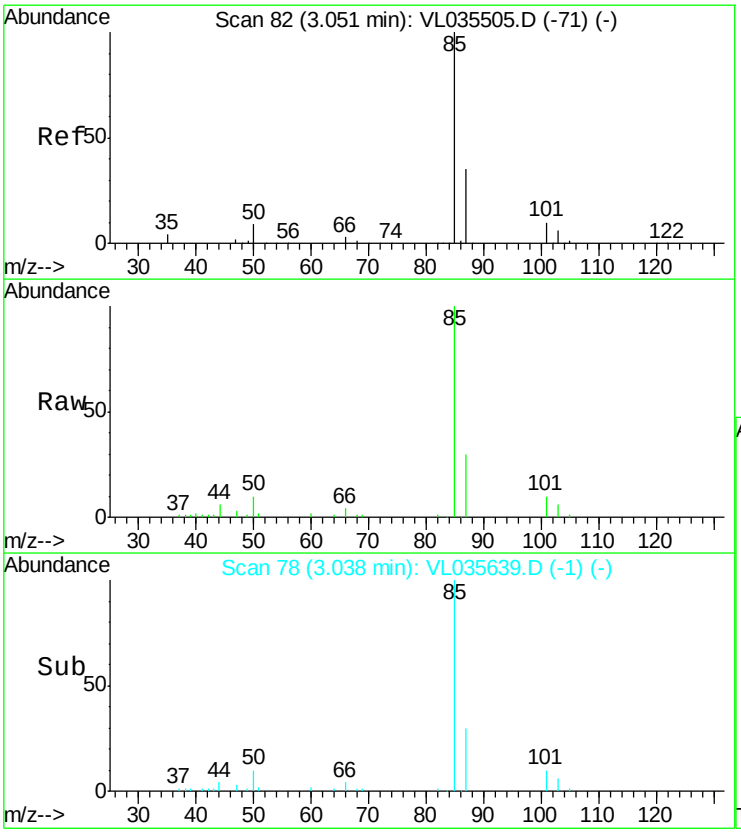
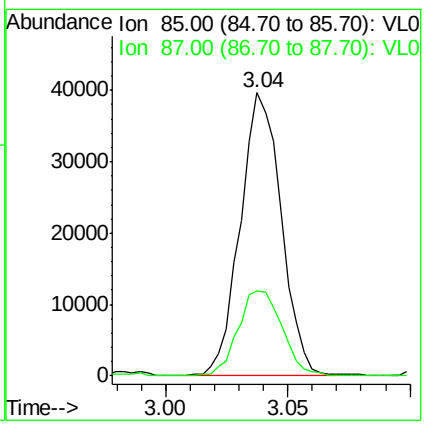
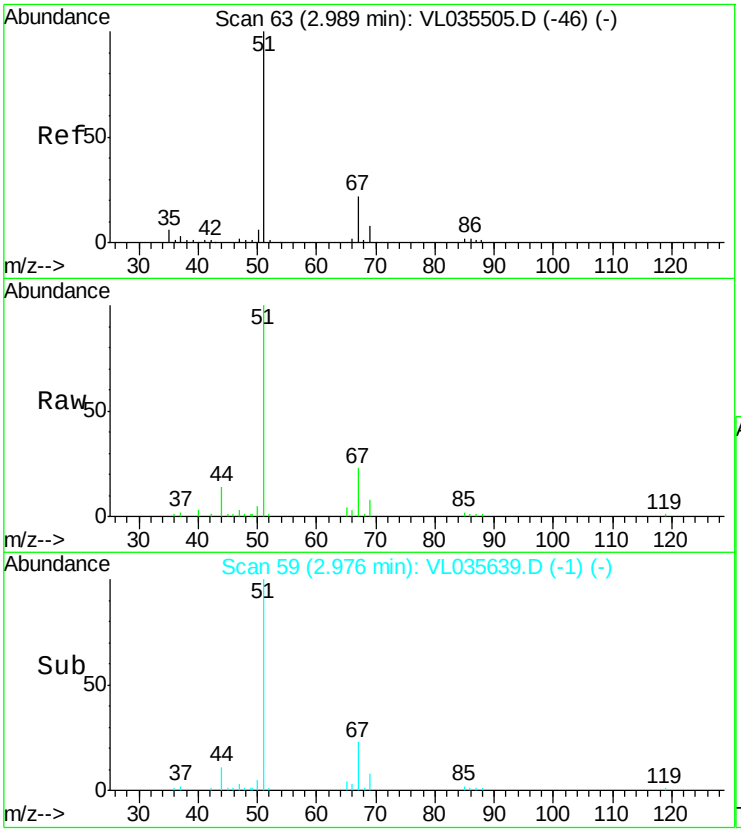


#2
Dichlorodifluoromethane
Concen: 0.262 ppbv
RT: 3.04 min Scan# 78
Delta R.T. 0.00 min
Lab File: VL035639.D
Acq: 16 Sep 2020 21:45

Tgt Ion: 85 Resp: 46179

Ion	Ratio	Lower	Upper
85	100		
87	30.1	28.0	42.0





#3
Chlorodifluoromethane
Concen: 0.299 ppbv m
RT: 2.98 min Scan# 59
Delta R.T. 0.00 min
Lab File: VL035639.D
Acq: 16 Sep 2020 21:45

Tgt Ion: 51 Resp: 33585

Ion	Ratio	Lower	Upper
51	100		
67	22.9	17.8	26.8

Instrument :
MSVOA_L
ClientSampleId :
DB-IA-Y02

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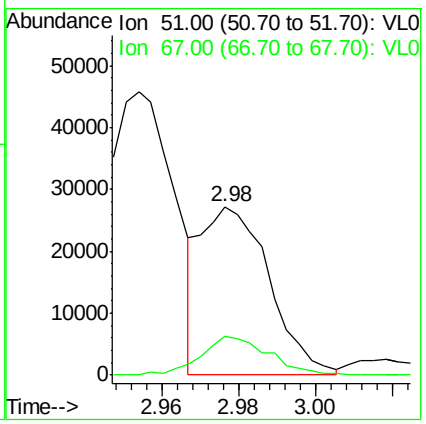
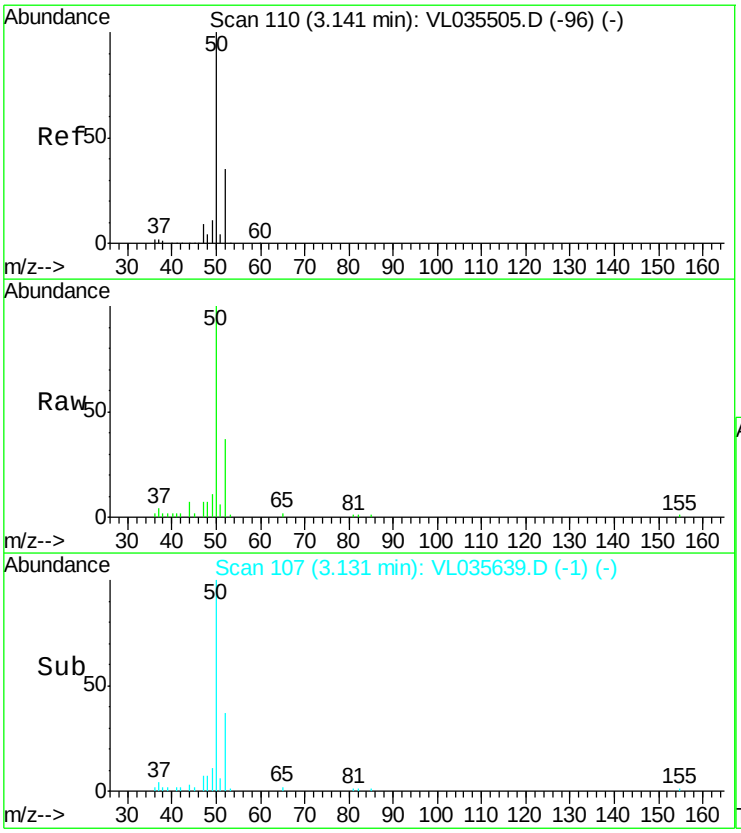
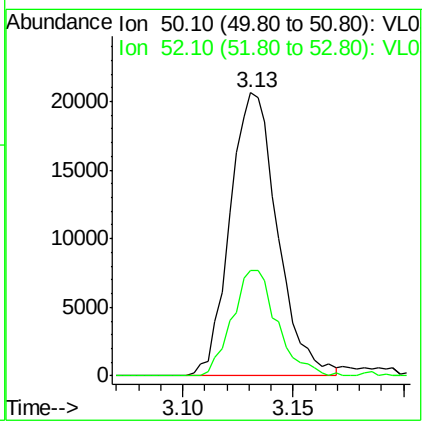


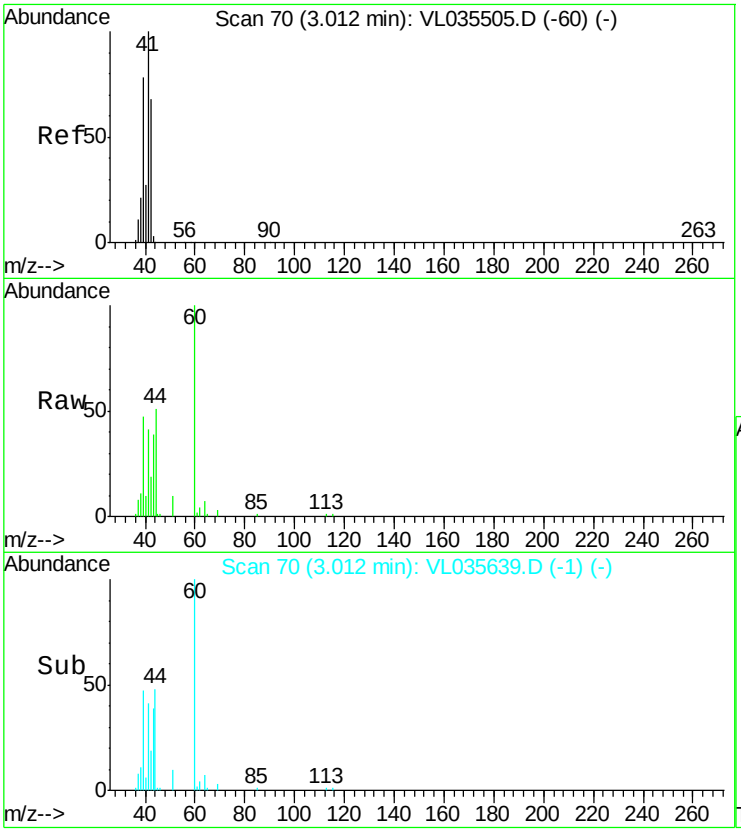


#4
Chloromethane
Concen: 0.513 ppbv
RT: 3.13 min Scan# 107
Delta R.T. 0.00 min
Lab File: VL035639.D
Acq: 16 Sep 2020 21:45

Tgt Ion: 50 Resp: 30881

Ion	Ratio	Lower	Upper
50	100		
52	37.5	27.7	41.5

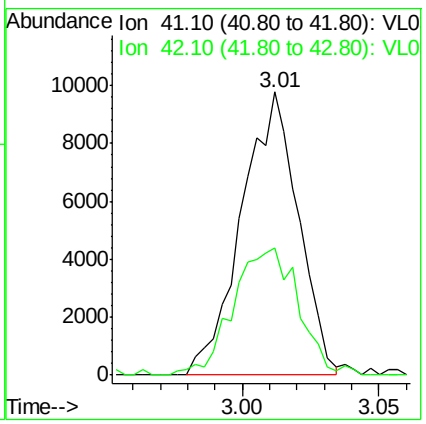




#9
Propene
Concen: 0.325 ppbv
RT: 3.01 min Scan# 70
Delta R.T. 0.02 min
Lab File: VL035639.D
Acq: 16 Sep 2020 21:45

Tgt Ion: 41 Resp: 14102

Ion	Ratio	Lower	Upper
41	100		
42	51.9	56.3	84.5#



Instrument :
MSVOA_L
ClientSampleId :
DB-IA-Y02

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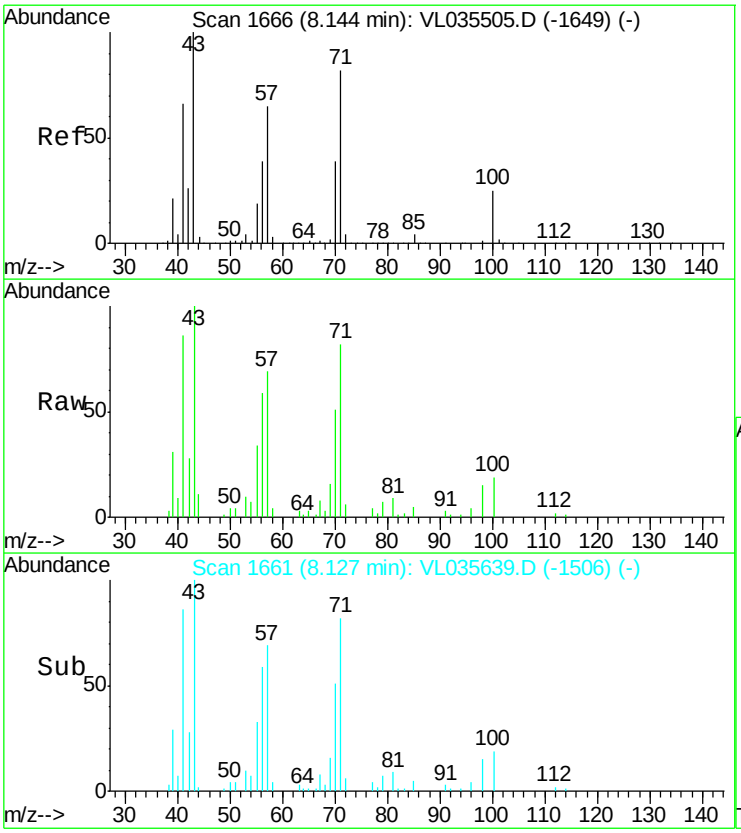
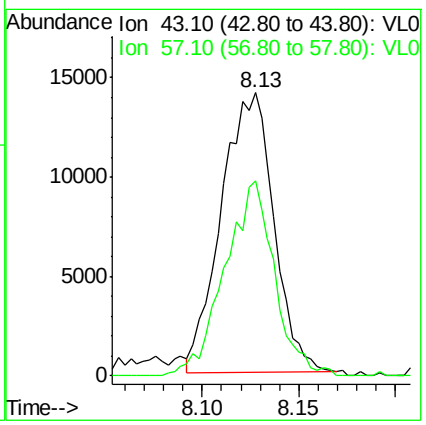
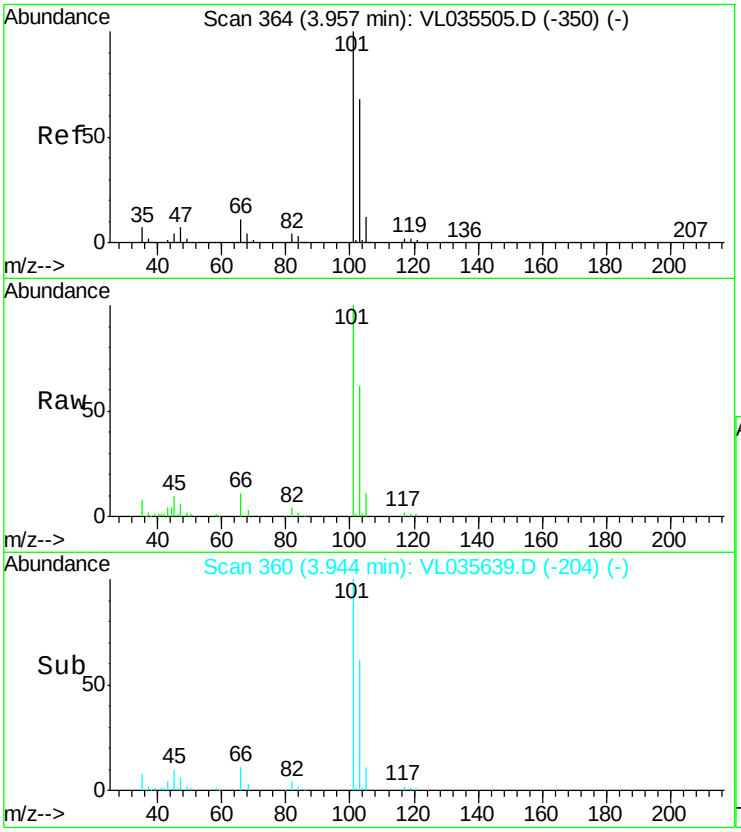


#10
Heptane
Concen: 0.228 ppbv
RT: 8.13 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VL035639.D
Acq: 16 Sep 2020 21:45

Tgt Ion: 43 Resp: 26580

Ion	Ratio	Lower	Upper
43	100		
57	65.9	51.4	77.0

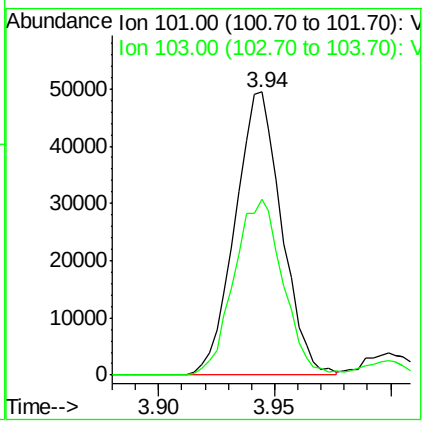




#11
Trichlorofluoromethane
Concen: 0.269 ppbv
RT: 3.94 min Scan# 360
Delta R.T. 0.00 min
Lab File: VL035639.D
Acq: 16 Sep 2020 21:45

Tgt Ion:101 Resp: 69111

Ion	Ratio	Lower	Upper
101	100		
103	62.3	54.5	81.7



Instrument :
MSVOA_L
ClientSampleId :
DB-IA-Y02

Manual Integrations APPROVED
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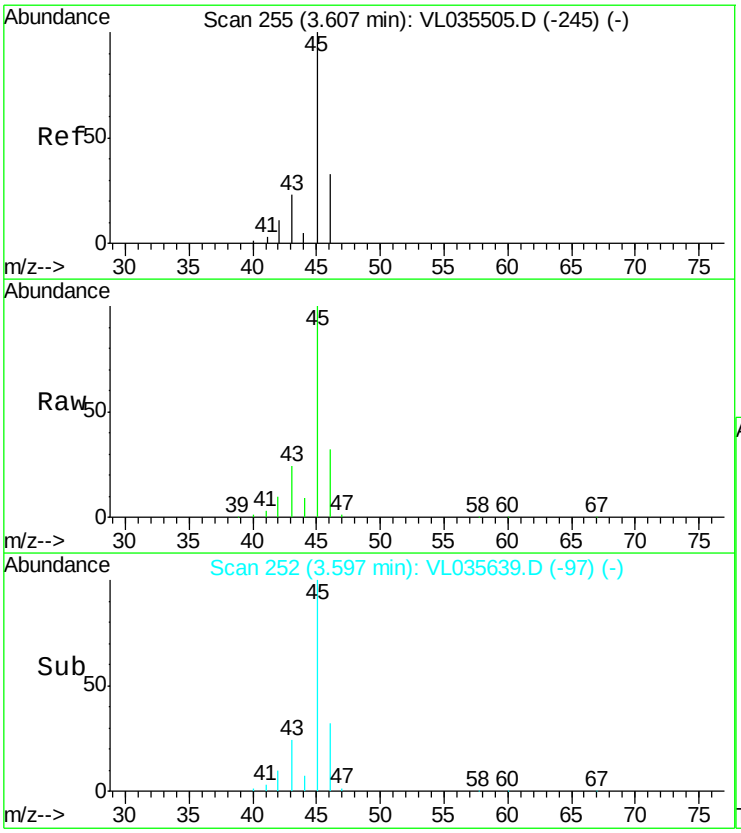
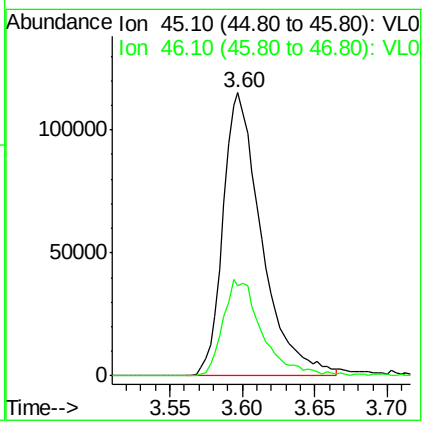
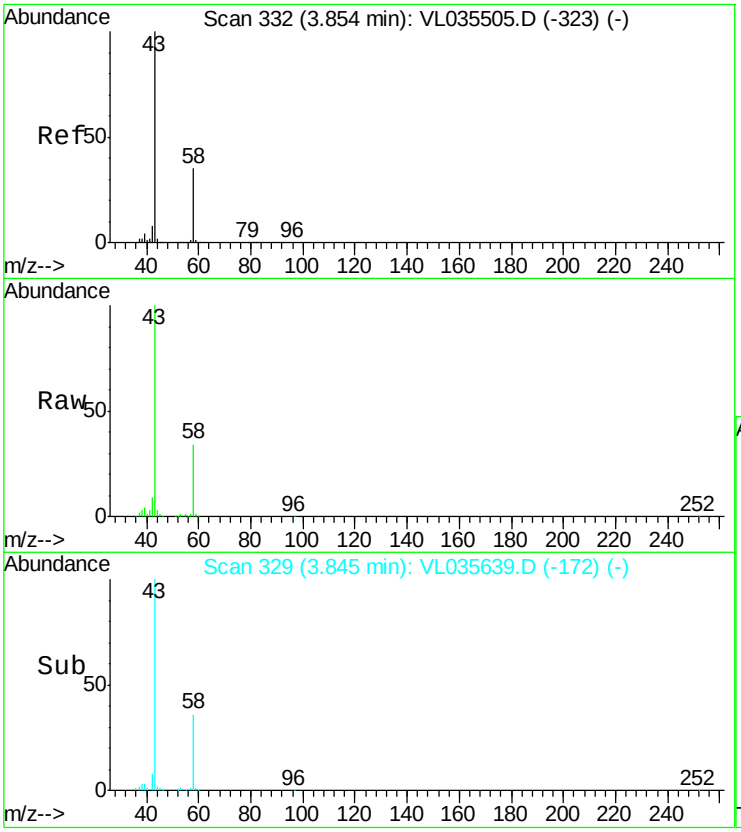


#13
Ethanol
Concen: 19.845 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL035639.D
Acq: 16 Sep 2020 21:45

Tgt Ion: 45 Resp: 213247

Ion	Ratio	Lower	Upper
45	100		
46	35.3	15.2	60.6





#15
Acetone
Concen: 3.628 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL035639.D
Acq: 16 Sep 2020 21:45

Tgt Ion: 43 Resp: 406702

Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.4	42.6

Instrument :
MSVOA_L
ClientSampleId :
DB-IA-Y02

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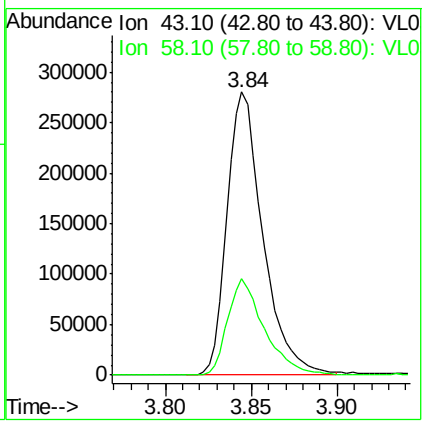
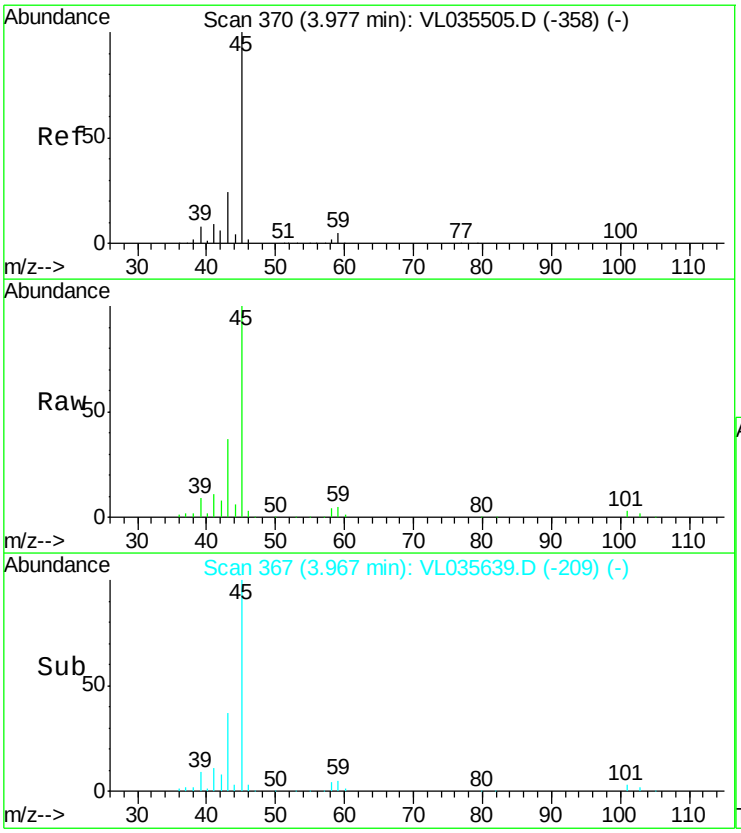
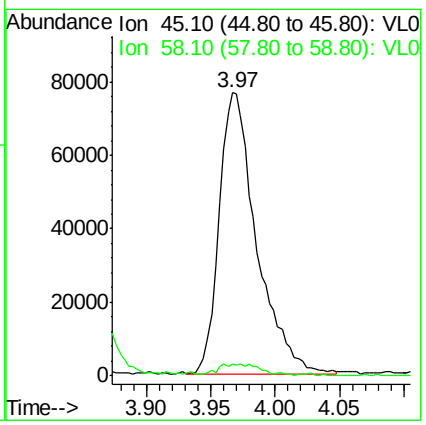


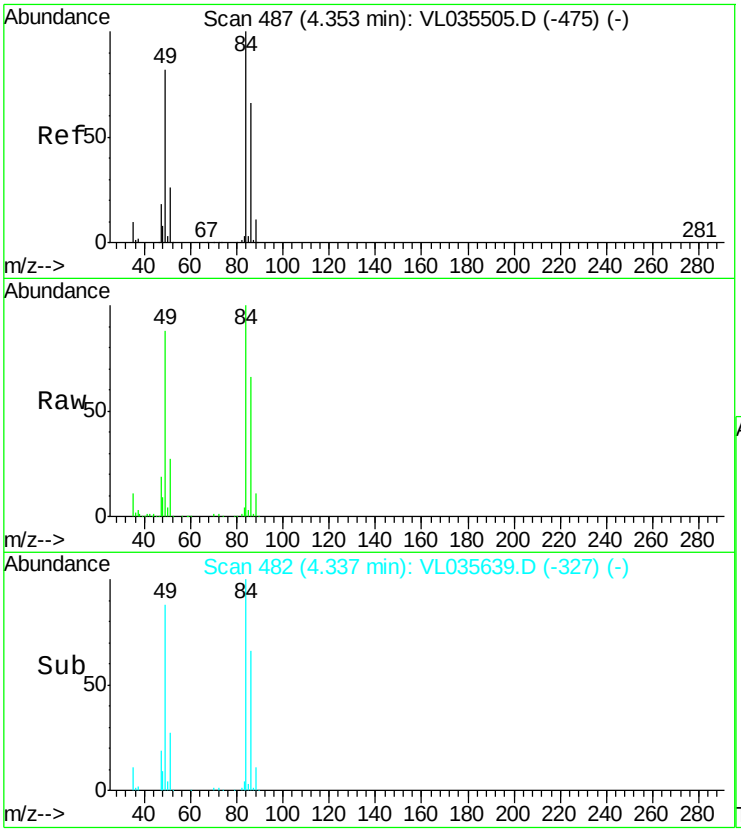


#19
Isopropyl Alcohol
Concen: 2.319 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.01 min
Lab File: VL035639.D
Acq: 16 Sep 2020 21:45

Tgt Ion: 45 Resp: 155114

Ion	Ratio	Lower	Upper
45	100		
58	5.5	2.0	3.0#

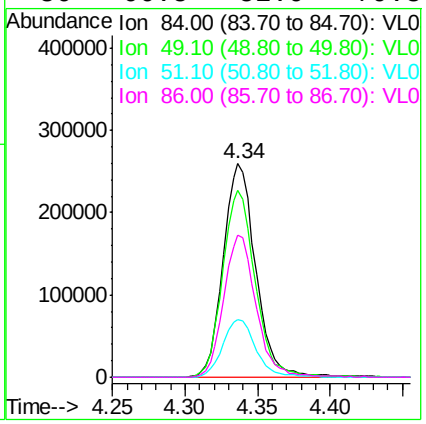




#20
Methylene Chloride
Concen: 4.825 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL035639.D
Acq: 16 Sep 2020 21:45

Tgt Ion: 84 Resp: 402840

Ion	Ratio	Lower	Upper
84	100		
49	87.8	65.4	98.0
51	27.0	21.5	32.3
86	66.5	52.9	79.3



Instrument :
MSVOA_L
ClientSampleId :
DB-IA-Y02

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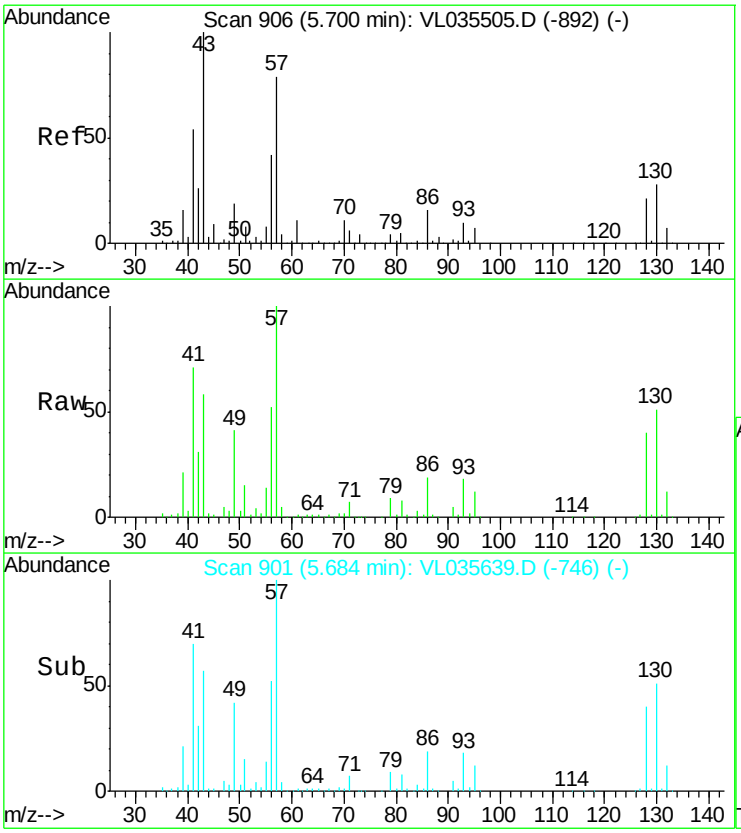
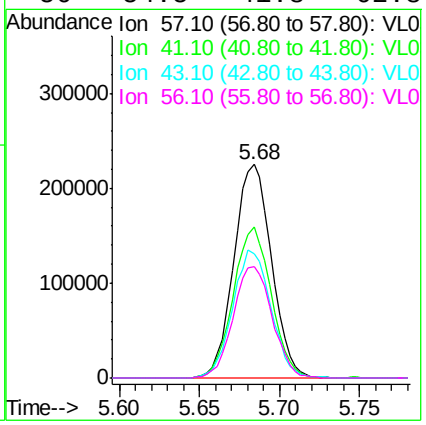
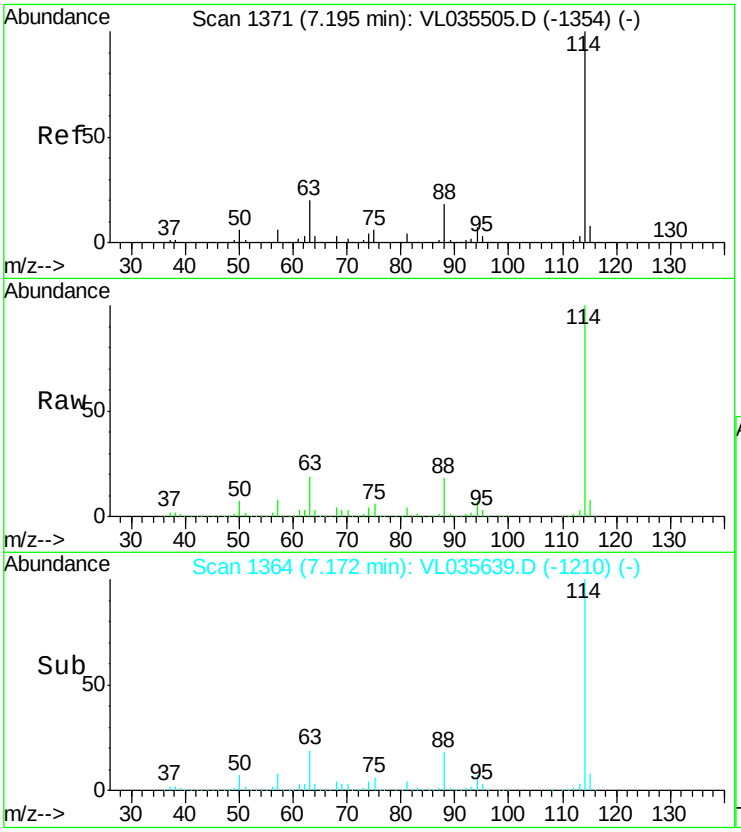


#26
Hexane
Concen: 3.196 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL035639.D
Acq: 16 Sep 2020 21:45

Tgt Ion: 57 Resp: 358599

Ion	Ratio	Lower	Upper
57	100		
41	71.7	55.9	83.9
43	61.3	141.8	212.8#
56	54.5	41.8	62.8

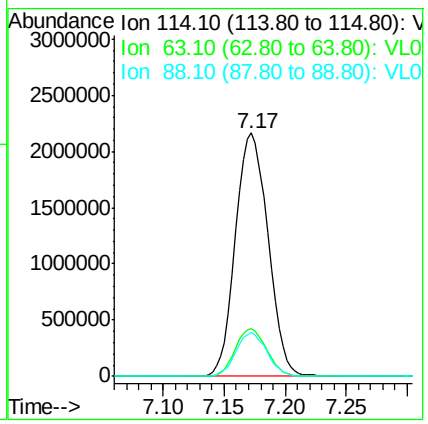




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.00 min
Lab File: VL035639.D
Acq: 16 Sep 2020 21:45

Tgt Ion:114 Resp: 4013696

Ion	Ratio	Lower	Upper
114	100		
63	19.0	14.7	22.1
88	17.0	13.4	20.2



Instrument :
MSVOA_L
ClientSampleId :
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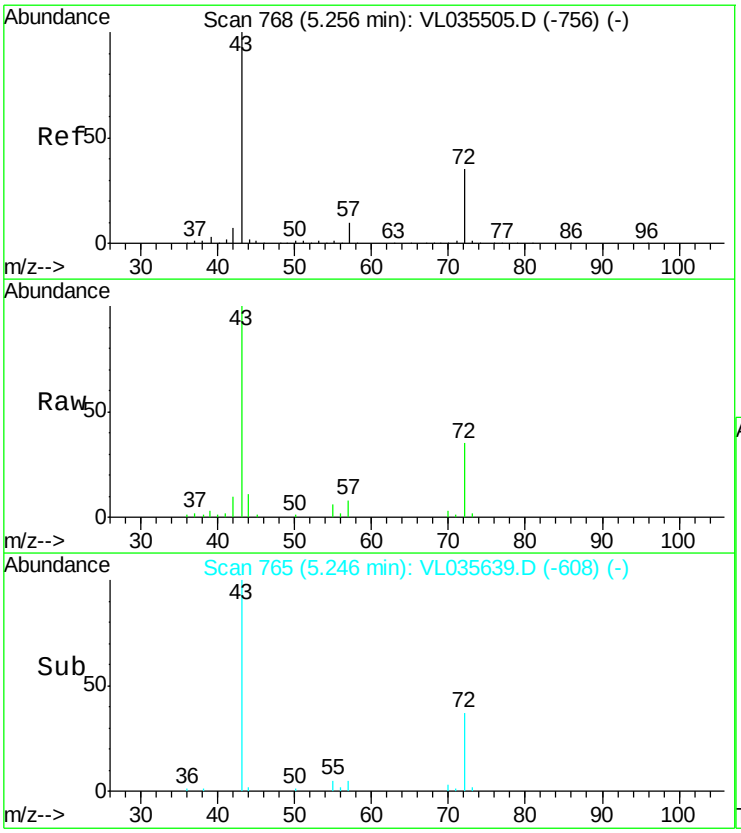
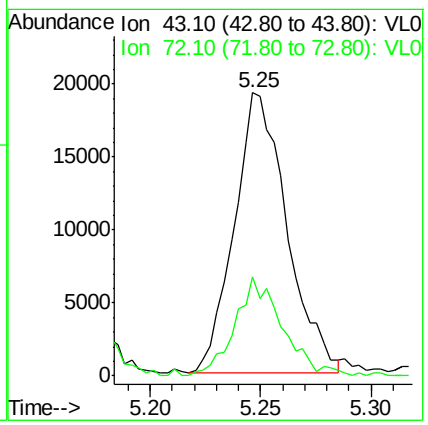
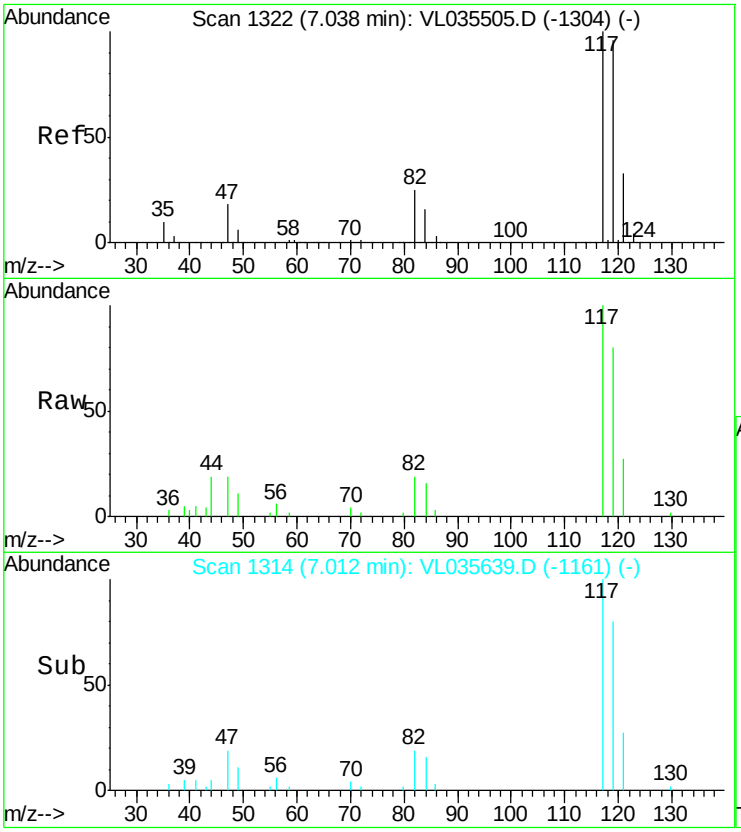


#34
2-Butanone
Concen: 0.268 ppbv
RT: 5.25 min Scan# 765
Delta R.T. 0.01 min
Lab File: VL035639.D
Acq: 16 Sep 2020 21:45

Tgt Ion: 43 Resp: 31940

Ion	Ratio	Lower	Upper
43	100		
72	32.3	27.7	41.5

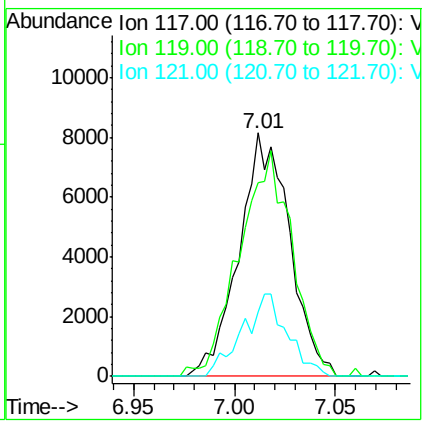




#35
Carbon Tetrachloride
Concen: 0.071 ppbv
RT: 7.01 min Scan# 1314
Delta R.T. -0.01 min
Lab File: VL035639.D
Acq: 16 Sep 2020 21:45

Tgt Ion:117 Resp: 14292

Ion	Ratio	Lower	Upper
117	100		
119	79.8	77.2	115.8
121	26.5	26.1	39.1



Instrument :
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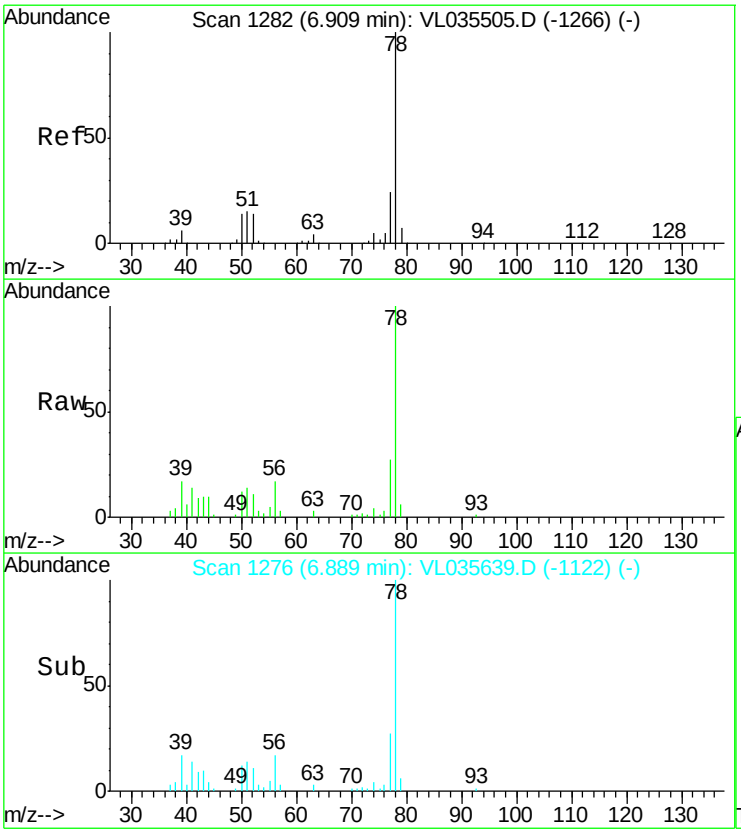
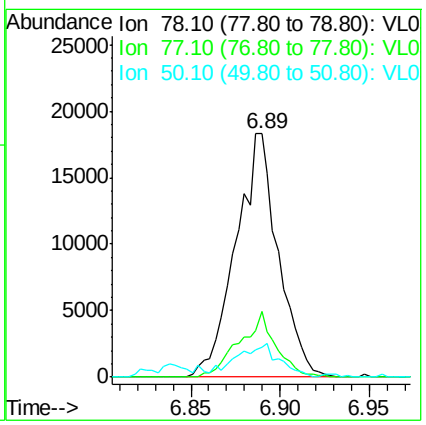
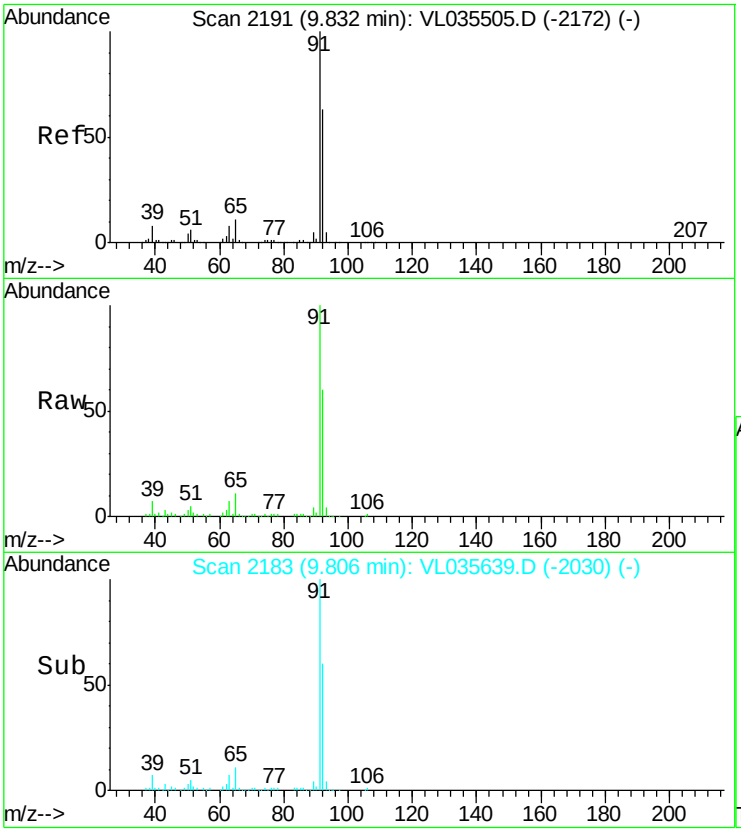


#36
Benzene
Concen: 0.117 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VL035639.D
Acq: 16 Sep 2020 21:45

Tgt Ion: 78 Resp: 30436

Ion	Ratio	Lower	Upper
78	100		
77	26.9	19.3	28.9
50	11.3	11.0	16.6

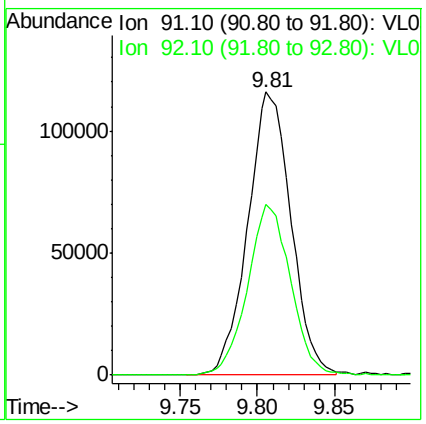




#53
Toluene
Concen: 0.690 ppbv
RT: 9.81 min Scan# 2183
Delta R.T. -0.01 min
Lab File: VL035639.D
Acq: 16 Sep 2020 21:45

Tgt Ion: 91 Resp: 225301

Ion	Ratio	Lower	Upper
91	100		
92	60.1	49.8	74.8



Instrument :
MSVOA_L
ClientSampleId :
DB-IA-Y02

Manual Integrations APPROVED
MMDadoda
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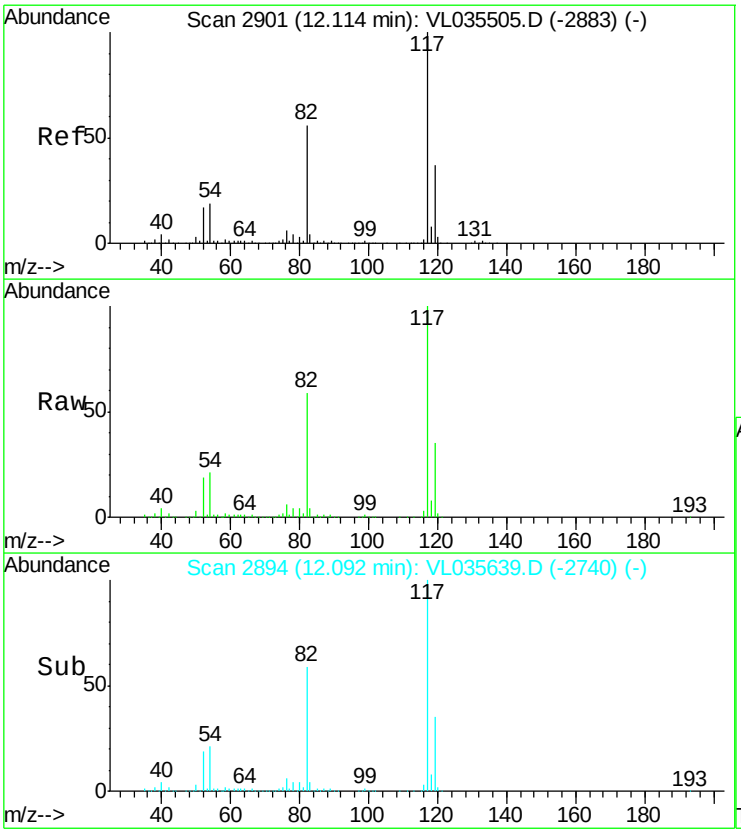
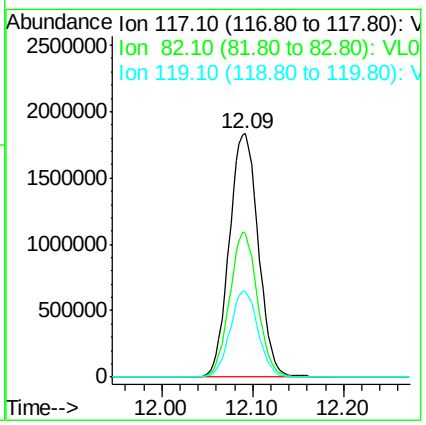
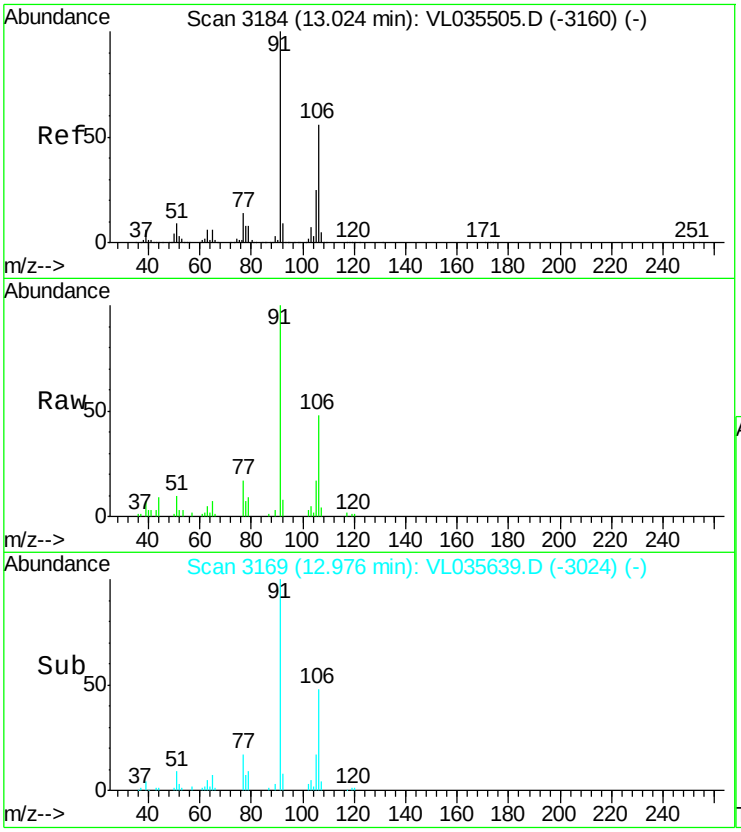


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL035639.D
Acq: 16 Sep 2020 21:45

Tgt Ion:117 Resp: 4067364

Ion	Ratio	Lower	Upper
117	100		
82	57.1	41.6	62.4
119	34.3	29.3	43.9





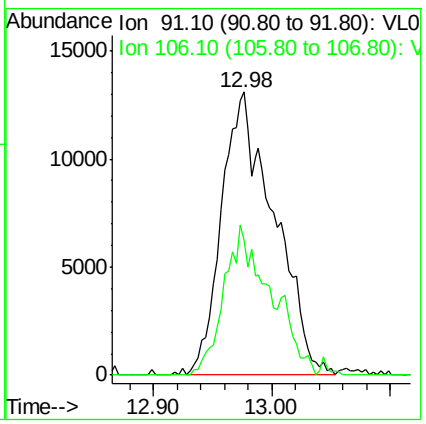
#59
m/p-Xylene
Concen: 0.116 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. -0.03 min
Lab File: VL035639.D
Acq: 16 Sep 2020 21:45

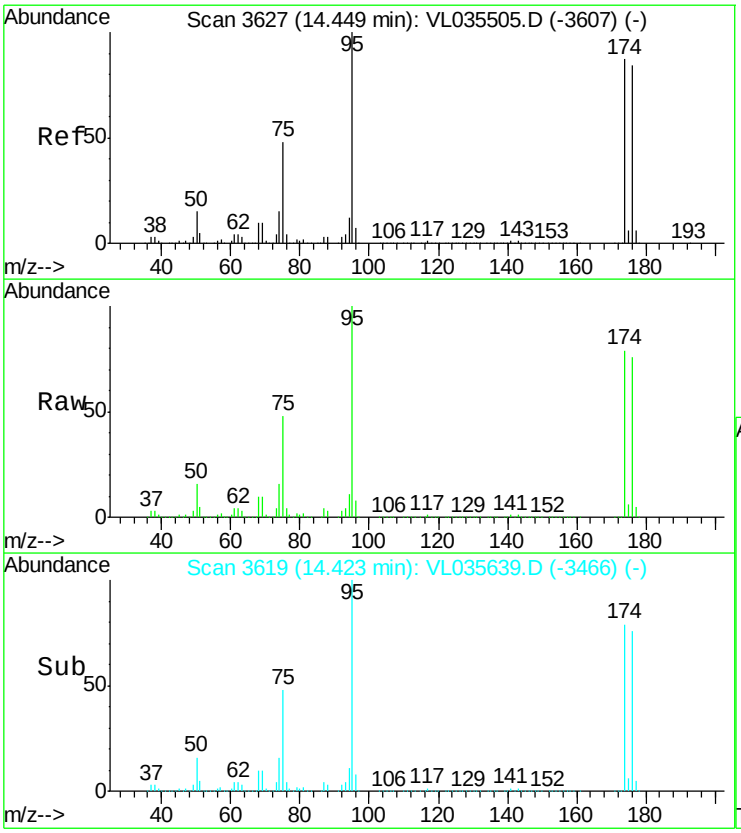
Tgt Ion: 91 Resp: 40549

Ion	Ratio	Lower	Upper
91	100		
106	0.0	43.4	65.2#

Instrument :
MSVOA_L
ClientSampleId :
DB-IA-Y02

Manual Integrations APPROVED
MMDadoda
9/17/2020 1:52:45 PM





#68
1-Bromo-4-Fluorobenzene
Concen: 10.614 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL035639.D
Acq: 16 Sep 2020 21:45

Tgt Ion: 95 Resp: 3065707

Ion	Ratio	Lower	Upper
95	100		
174	78.7	69.6	104.4
175	5.6	5.1	7.7