Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070620\
Data File : VL035153.D
Acq On : 6 Jul 2020 19:47
Operator : SY/AP
Sample : L3190-03 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EXHAUST-02

Manual Integrations APPROVED
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7/9/2020 12:00:55 PM

Quant Time: Jul 07 05:52:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSat Jun 2
QLast Update : Sat Jun 20 02:10:36 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1013123	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	2385918	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.10	117	2227338	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	1882122	10.17	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.70%				
Target Compounds							Qvalue
9) Propene	2.97	41	23821	0.538	ppbv		91
13) Ethanol	3.57	45	22160	1.324	ppbv		99
15) Acetone	3.82	43	293458	2.396	ppbv		92
17) tert-Butyl alcohol	4.29	59	34041m	0.314	ppbv		
19) Isopropyl Alcohol	3.95	45	13657m	0.172	ppbv		
20) Methylene Chloride	4.31	84	193519	3.904	ppbv		95
26) Hexane	5.66	57	62122	0.623	ppbv	#	44
27) Carbon Disulfide	4.52	76	99122	0.961	ppbv		95
36) Benzene	6.88	78	67540	0.366	ppbv	#	88

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

Quantitation Report (QT Reviewed)

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Data File : VL035153.D
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Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 07 05:52:46 2020
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSat Jun
QLast Update : Sat Jun 20 02:10:36 2020
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02

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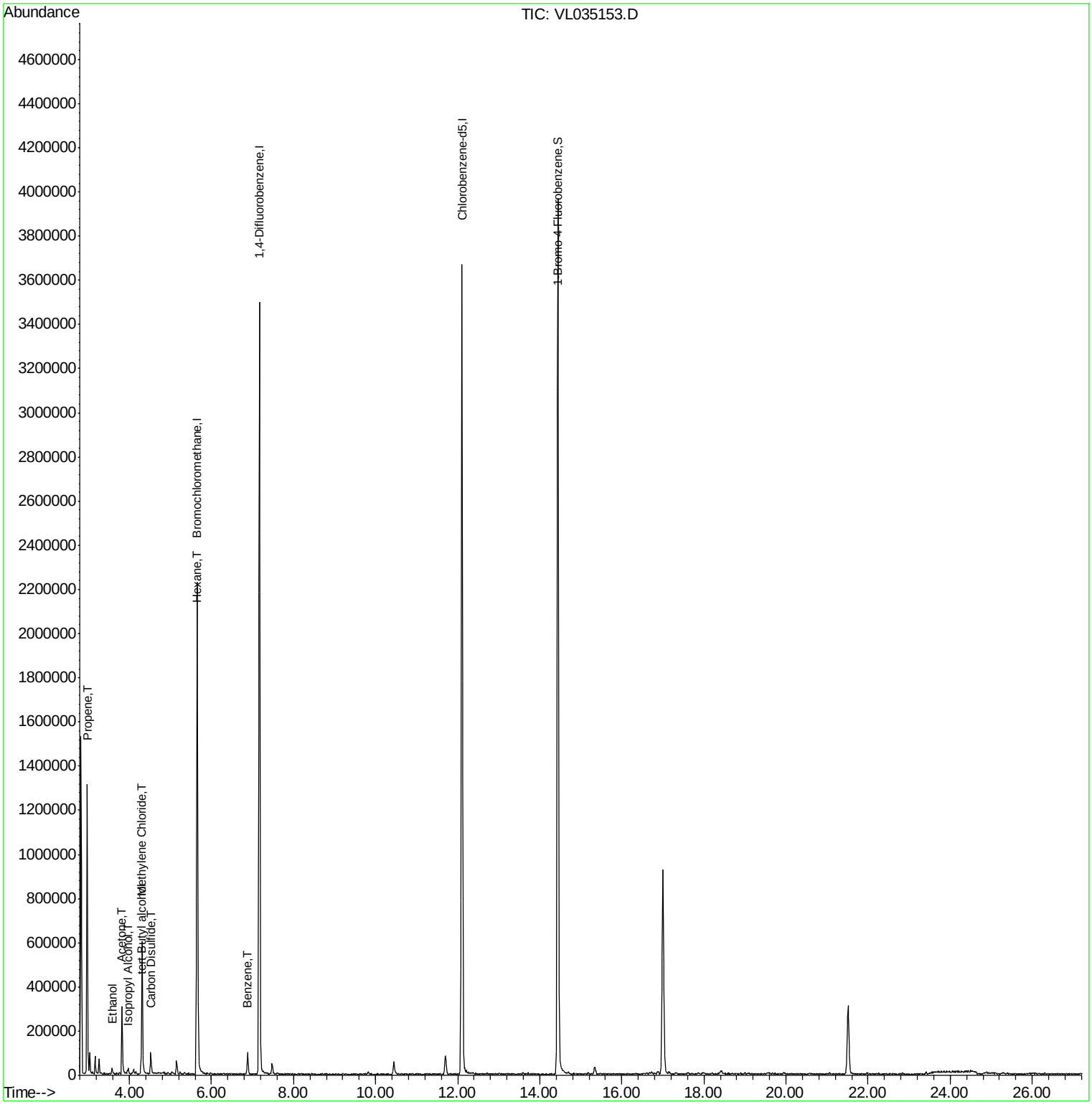
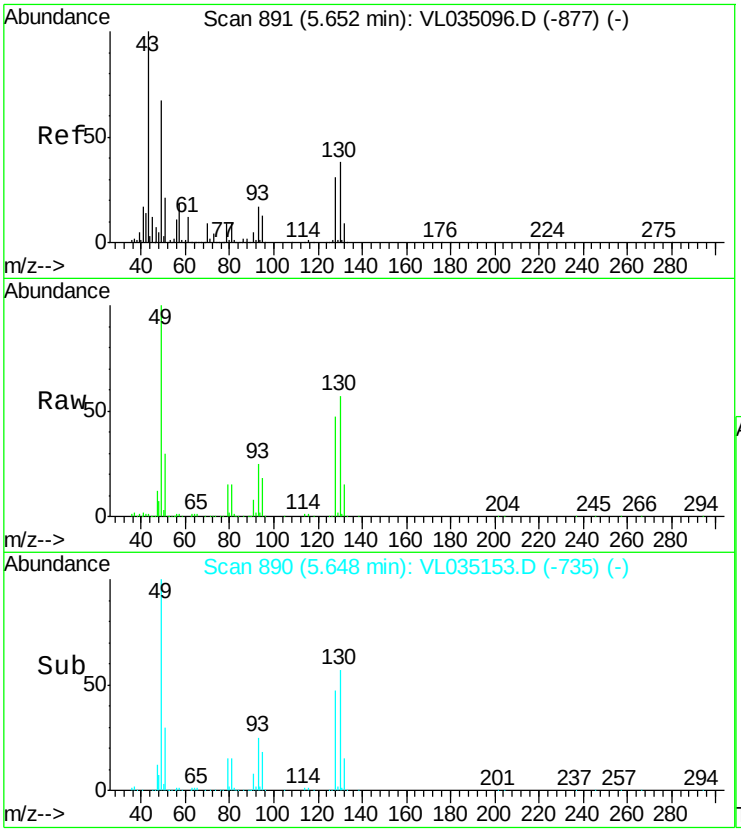
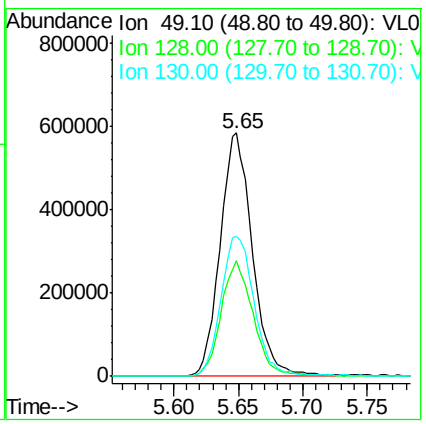




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.00 min
Lab File: VL035153.D
Acq: 6 Jul 2020 19:47

Tgt Ion: 49 Resp: 1013123

Ion	Ratio	Lower	Upper
49	100		
128	47.2	22.9	68.5
130	60.0	29.0	87.0



Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02

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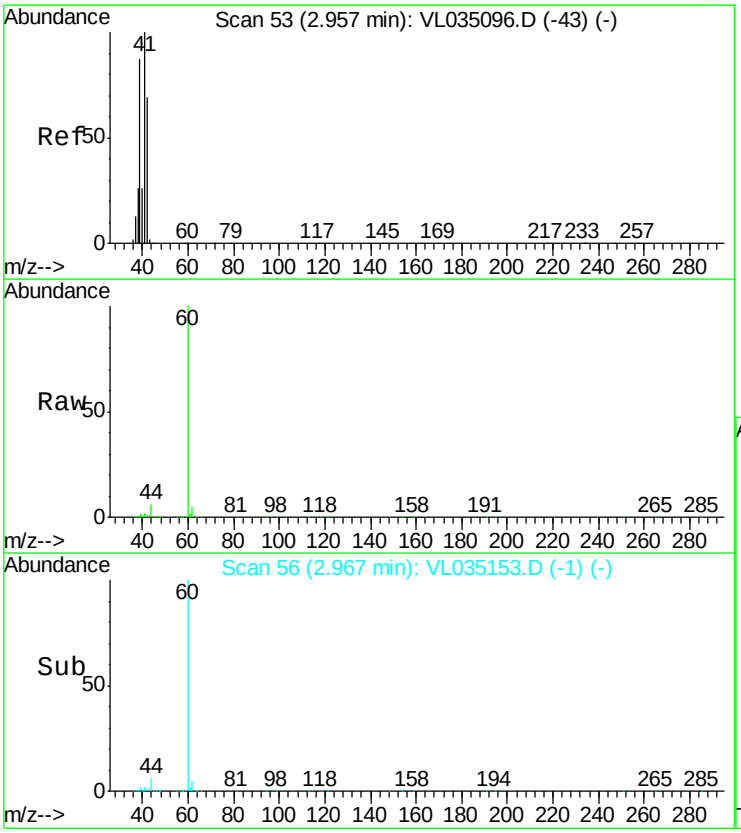
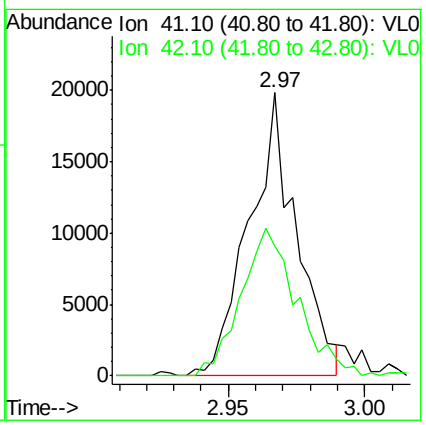
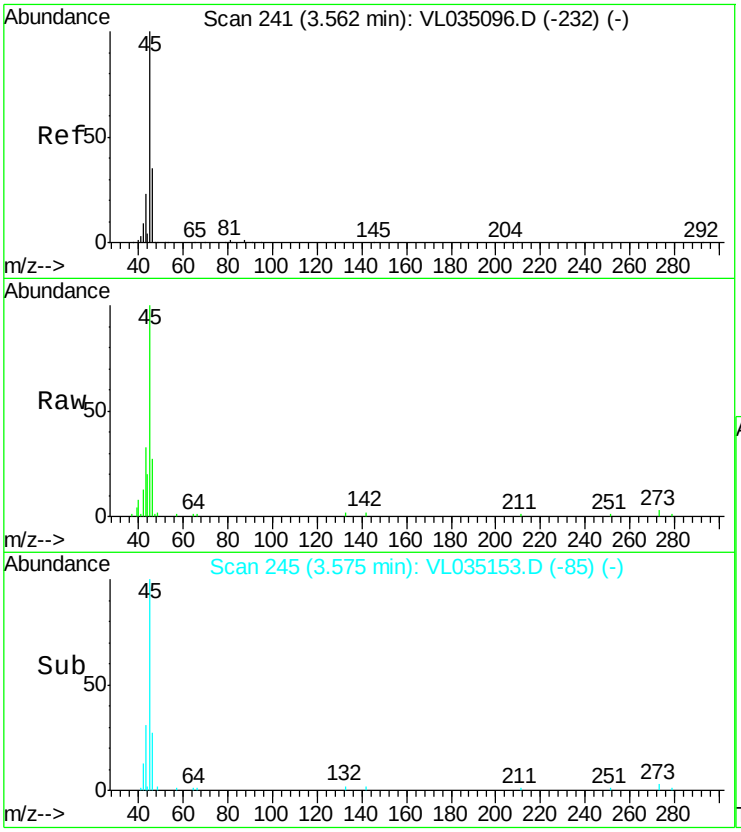


#9
Propene
Concen: 0.538 ppbv
RT: 2.97 min Scan# 56
Delta R.T. 0.01 min
Lab File: VL035153.D
Acq: 6 Jul 2020 19:47

Tgt Ion: 41 Resp: 23821

Ion	Ratio	Lower	Upper
41	100		
42	62.7	55.8	83.6

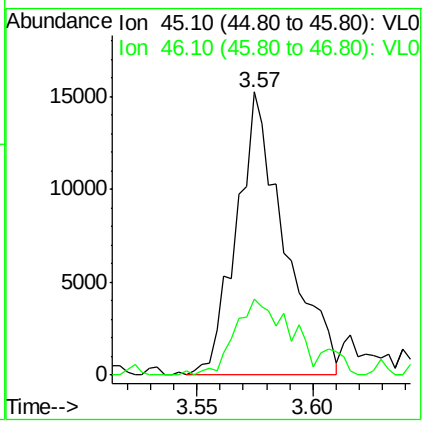




#13
Ethanol
Concen: 1.324 ppbv
RT: 3.57 min Scan# 245
Delta R.T. 0.01 min
Lab File: VL035153.D
Acq: 6 Jul 2020 19:47

Tgt Ion: 45 Resp: 22160

Ion	Ratio	Lower	Upper
45	100		
46	36.3	14.2	57.0



Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02

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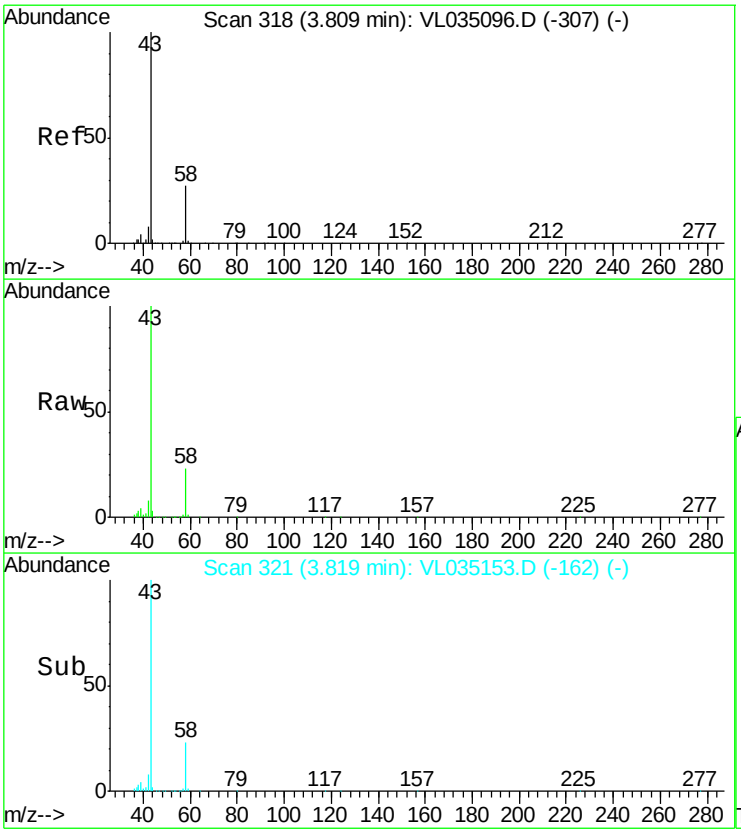
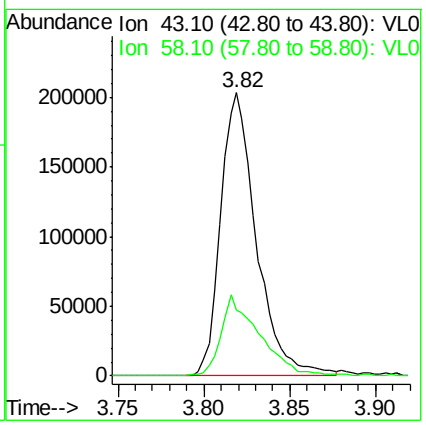
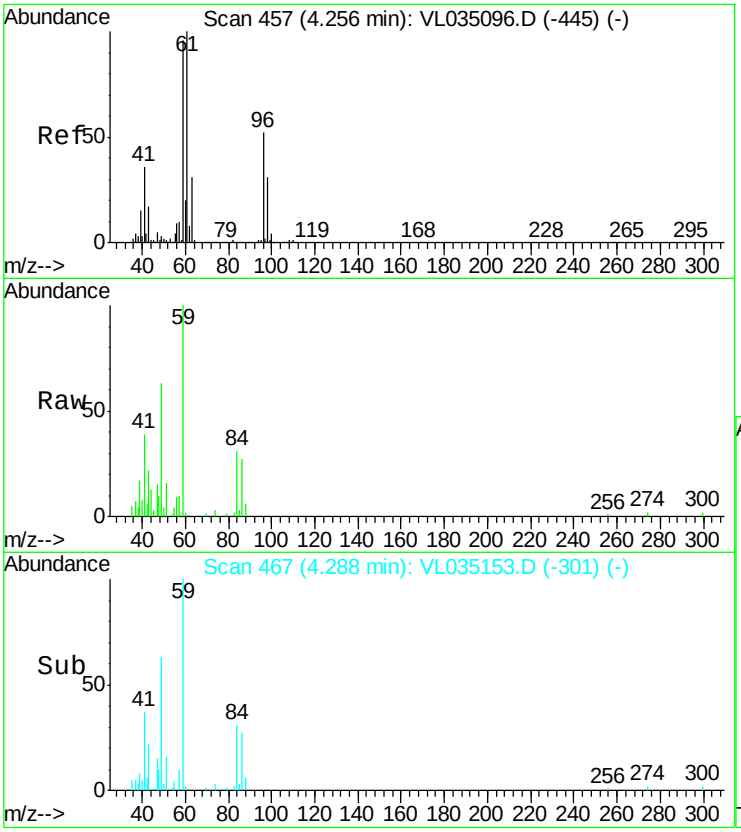


#15
Acetone
Concen: 2.396 ppbv
RT: 3.82 min Scan# 321
Delta R.T. 0.01 min
Lab File: VL035153.D
Acq: 6 Jul 2020 19:47

Tgt Ion: 43 Resp: 293458

Ion	Ratio	Lower	Upper
43	100		
58	31.2	21.8	32.6





#17
tert-Butyl alcohol
Concen: 0.314 ppbv m
RT: 4.29 min Scan# 467
Delta R.T. 0.03 min
Lab File: VL035153.D
Acq: 6 Jul 2020 19:47

Tgt Ion: 59 Resp: 34041

Ion	Ratio	Lower	Upper
59	100		
57	15.2	8.6	12.8#

Instrument :
MSVOA_L
ClientSampleId :
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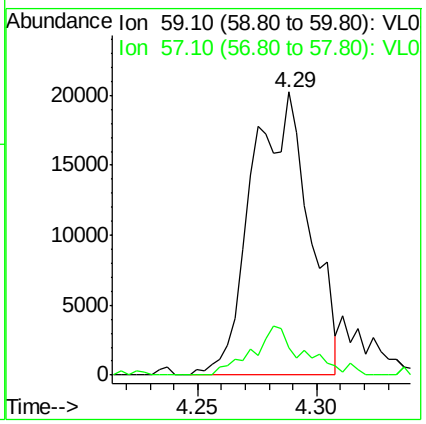
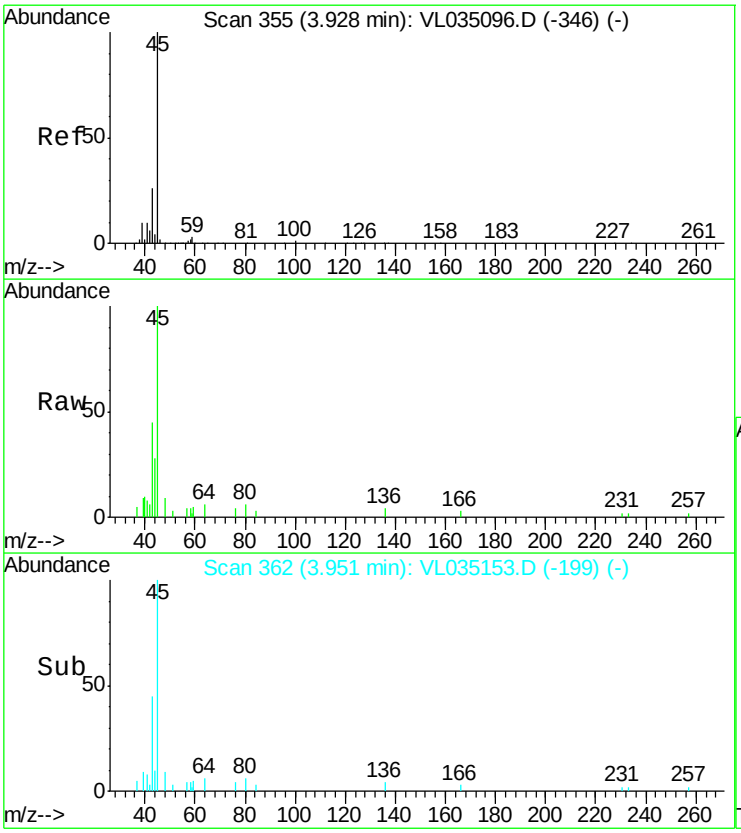
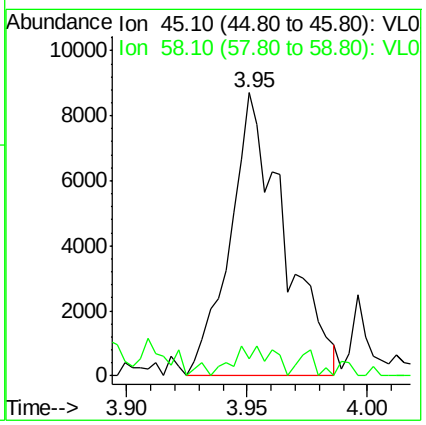


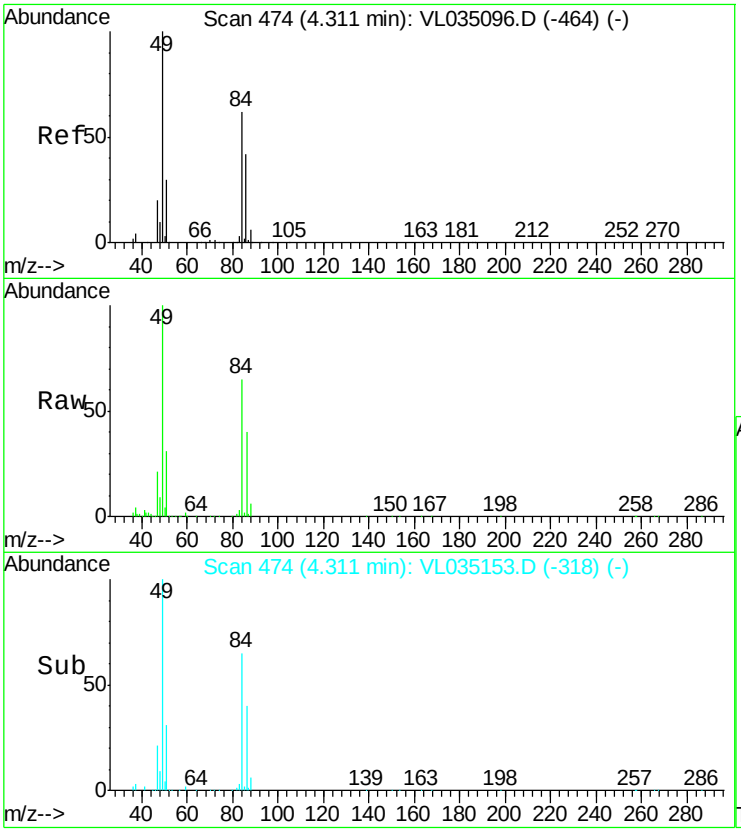


#19
Isopropyl Alcohol
Concen: 0.172 ppbv m
RT: 3.95 min Scan# 362
Delta R.T. 0.02 min
Lab File: VL035153.D
Acq: 6 Jul 2020 19:47

Tgt Ion: 45 Resp: 13657

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.8#

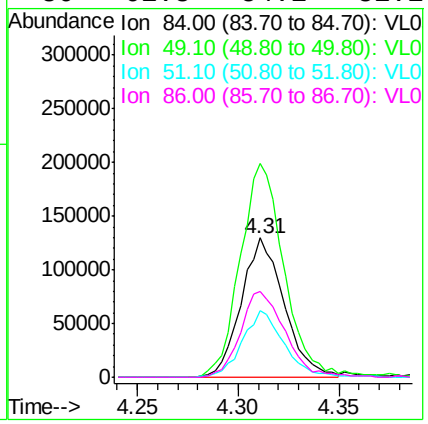




#20
Methylene Chloride
Concen: 3.904 ppbv
RT: 4.31 min Scan# 474
Delta R.T. 0.00 min
Lab File: VL035153.D
Acq: 6 Jul 2020 19:47

Tgt Ion: 84 Resp: 193519

Ion	Ratio	Lower	Upper
84	100		
49	153.4	128.8	193.2
51	48.1	38.7	58.1
86	61.8	54.1	81.1



Instrument :
MSVOA_L
ClientSampleId :
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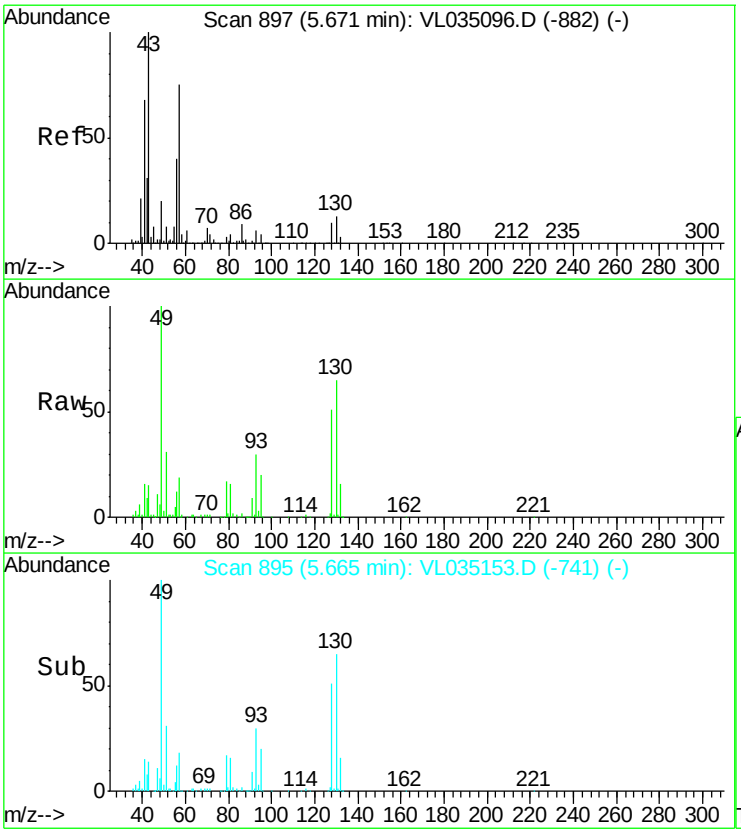
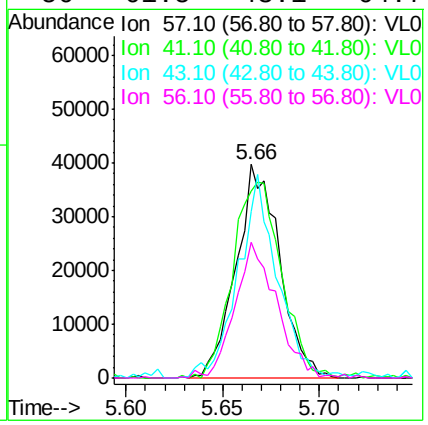
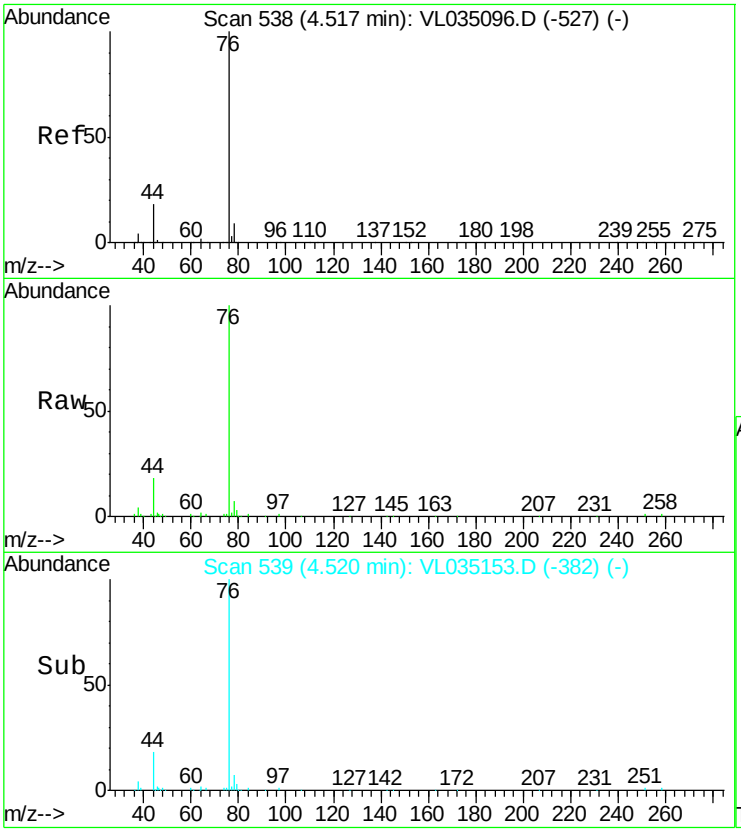


#26
Hexane
Concen: 0.623 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035153.D
Acq: 6 Jul 2020 19:47

Tgt Ion: 57 Resp: 62122

Ion	Ratio	Lower	Upper
57	100		
41	102.9	72.9	109.3
43	87.6	181.3	271.9#
56	61.5	43.1	64.7

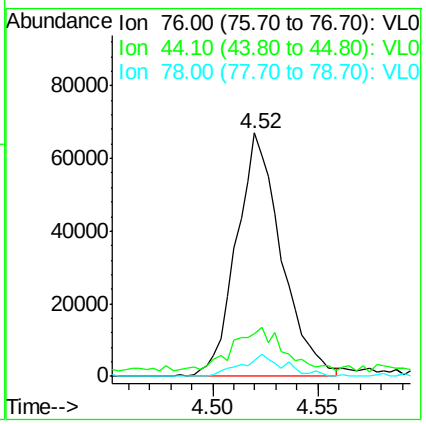




#27
Carbon Disulfide
Concen: 0.961 ppbv
RT: 4.52 min Scan# 539
Delta R.T. 0.00 min
Lab File: VL035153.D
Acq: 6 Jul 2020 19:47

Tgt Ion: 76 Resp: 99122

Ion	Ratio	Lower	Upper
76	100		
44	22.9	15.8	23.8
78	9.2	7.6	11.4



Instrument :
MSVOA_L
ClientSampleId :
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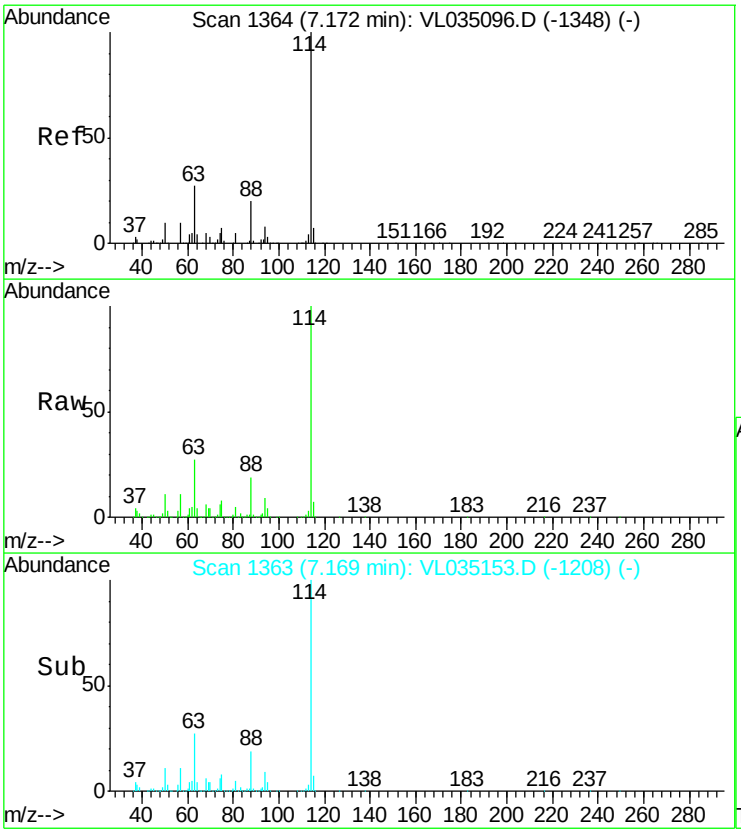
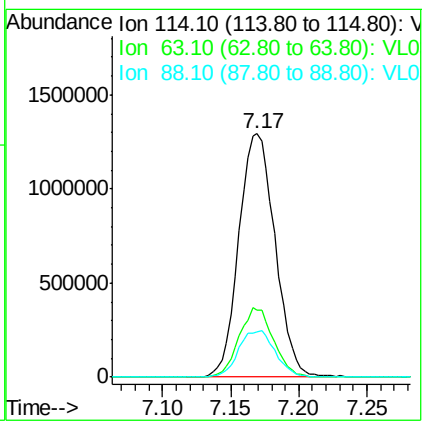
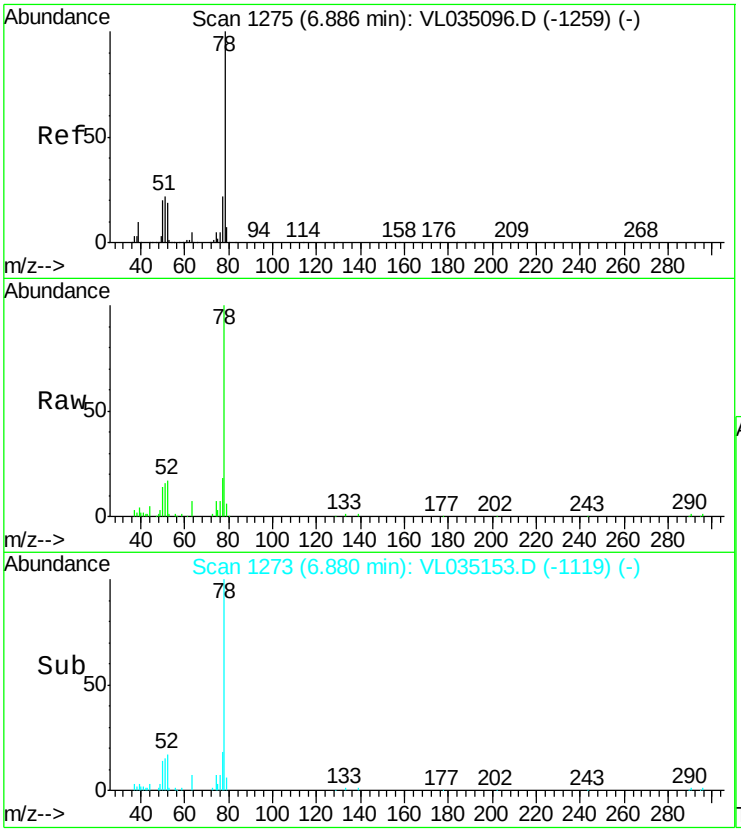


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VL035153.D
Acq: 6 Jul 2020 19:47

Tgt Ion:114 Resp: 2385918

Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.9	32.9
88	19.3	15.6	23.4





#36
Benzene
Concen: 0.366 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VL035153.D
Acq: 6 Jul 2020 19:47

Tgt Ion: 78 Resp: 67540

Ion	Ratio	Lower	Upper
78	100		
77	17.7	17.8	26.6#
50	13.8	16.2	24.2#

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02

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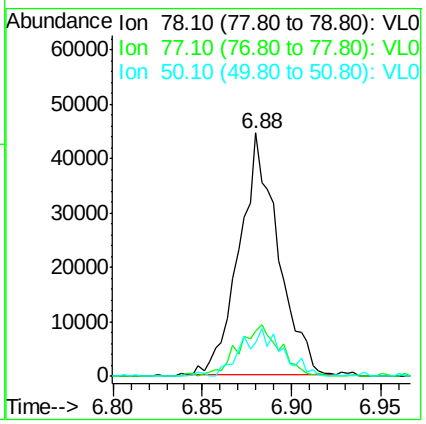
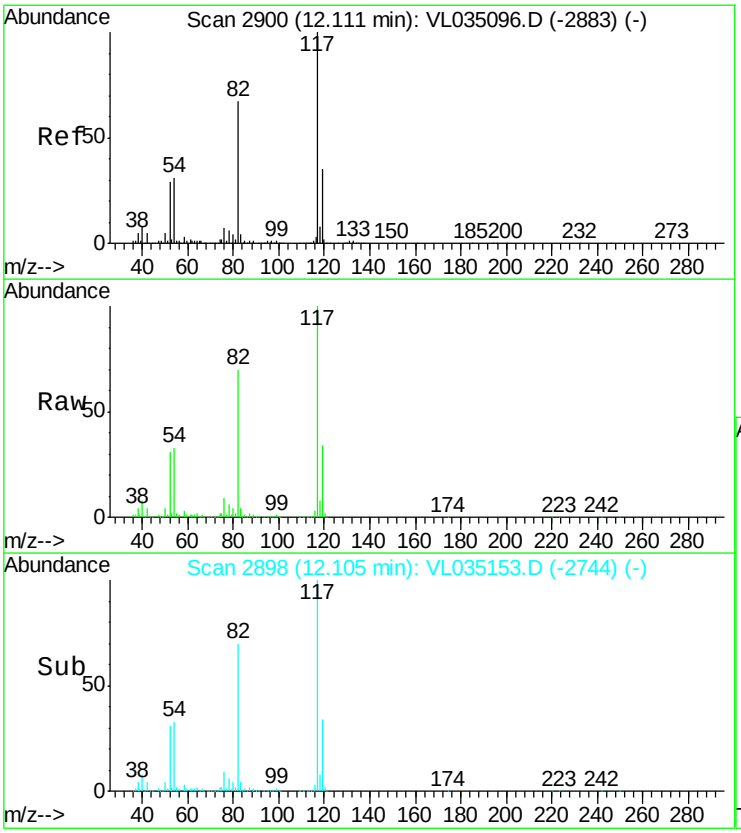
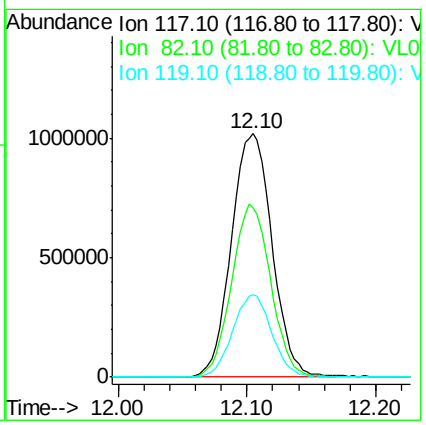


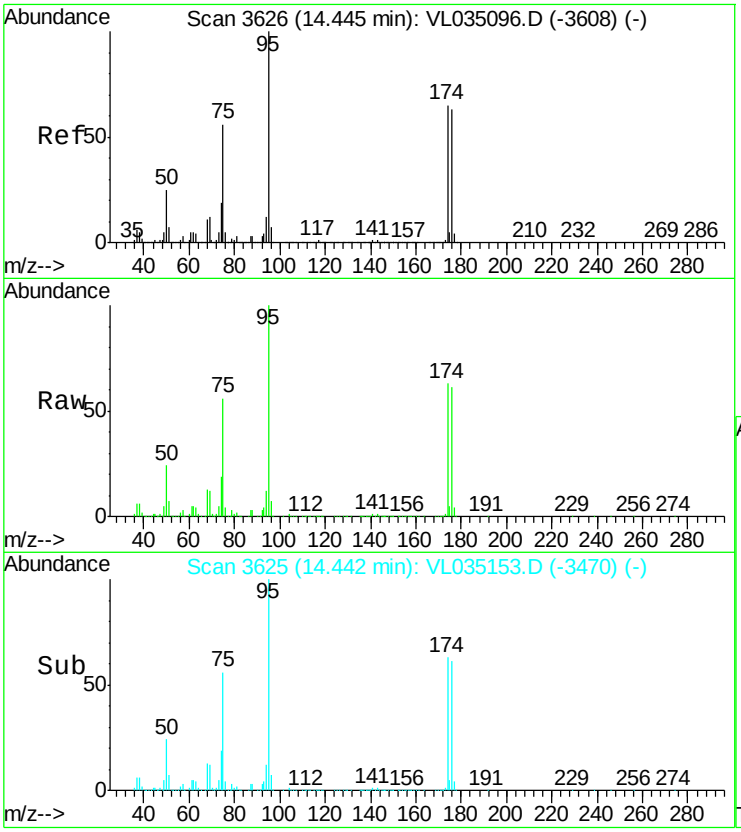


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL035153.D
Acq: 6 Jul 2020 19:47

Tgt Ion:117 Resp: 2227338

Ion	Ratio	Lower	Upper
117	100		
82	68.8	50.4	75.6
119	32.7	25.4	38.0

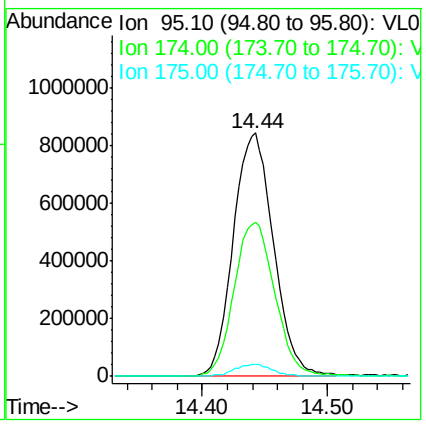




#68
1-Bromo-4-Fluorobenzene
Concen: 10.172 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL035153.D
Acq: 6 Jul 2020 19:47

Tgt Ion: 95 Resp: 1882122

Ion	Ratio	Lower	Upper
95	100		
174	64.9	52.2	78.2
175	4.7	4.0	6.0



Instrument :
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