Quantitation Report (QT Reviewed)

Data Path : Y:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081621\
Data File : VL037459.D
Acq On : 16 Aug 2021 13:00
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 13:52:32 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 1
QLast Update : Mon Aug 16 11:33:04 2021
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED
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8/19/2021 5:59:10 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1513385	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4527685	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3859440	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2711598	9.79	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.90%			
Target Compounds						Qvalue
5) Vinyl Chloride	3.25	62	10092m	0.086	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	24799	0.088	ppbv	90
35) Carbon Tetrachloride	7.00	117	24369m	0.087	ppbv	
38) Trichloroethene	7.82	130	16825m	0.100	ppbv	
52) Tetrachloroethene	11.20	164	15643m	0.097	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.66	83	30583m	0.095	ppbv	

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

Quantitation Report (QT Reviewed)

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Data File : VL037459.D
Acq On : 16 Aug 2021 13:00
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 13:52:32 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug
QLast Update : Mon Aug 16 11:33:04 2021
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED
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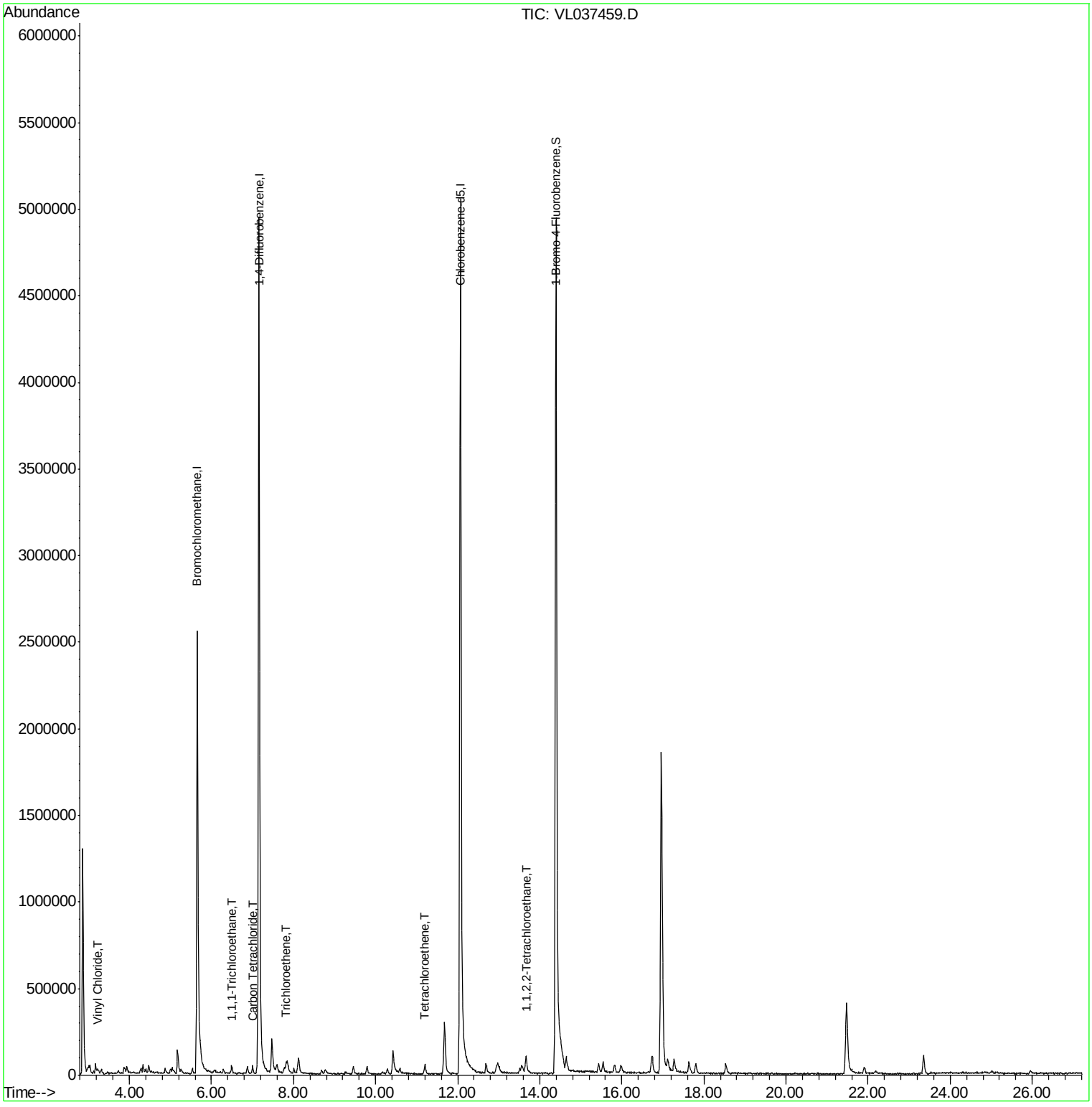
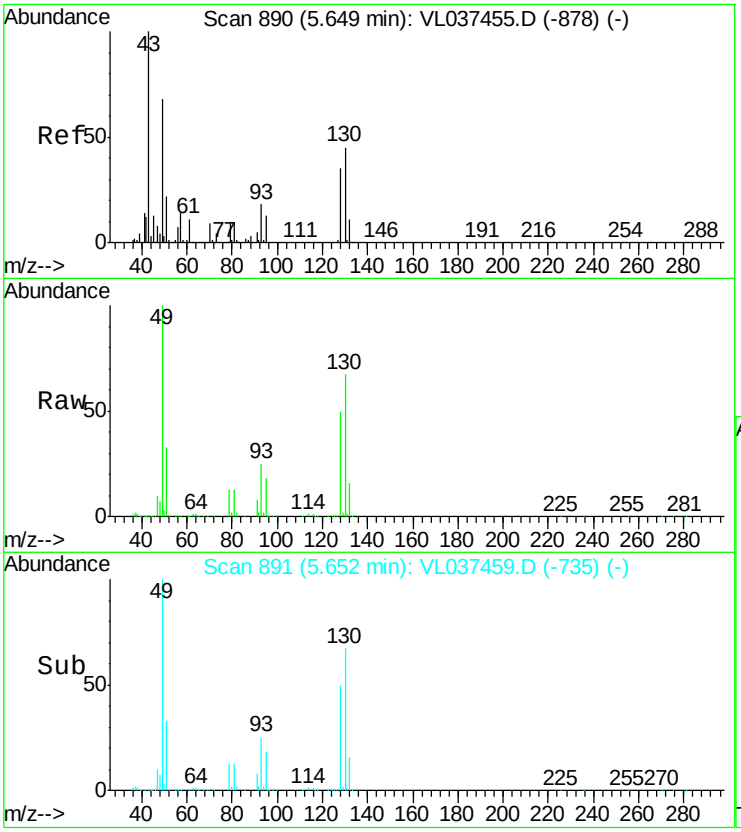
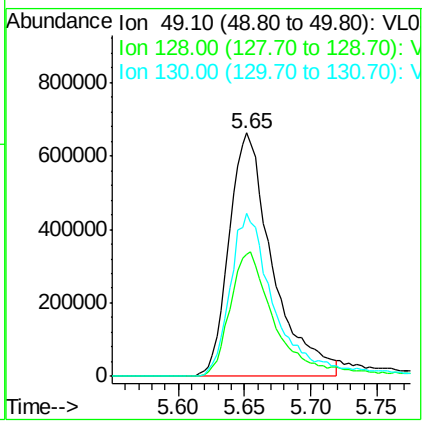




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 891
Delta R.T. 0.00 min
Lab File: VL037459.D
Acq: 16 Aug 2021 13:00

Tgt Ion: 49 Resp: 1513385

Ion	Ratio	Lower	Upper
49	100		
128	55.2	27.5	82.4
130	71.3	34.0	101.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED
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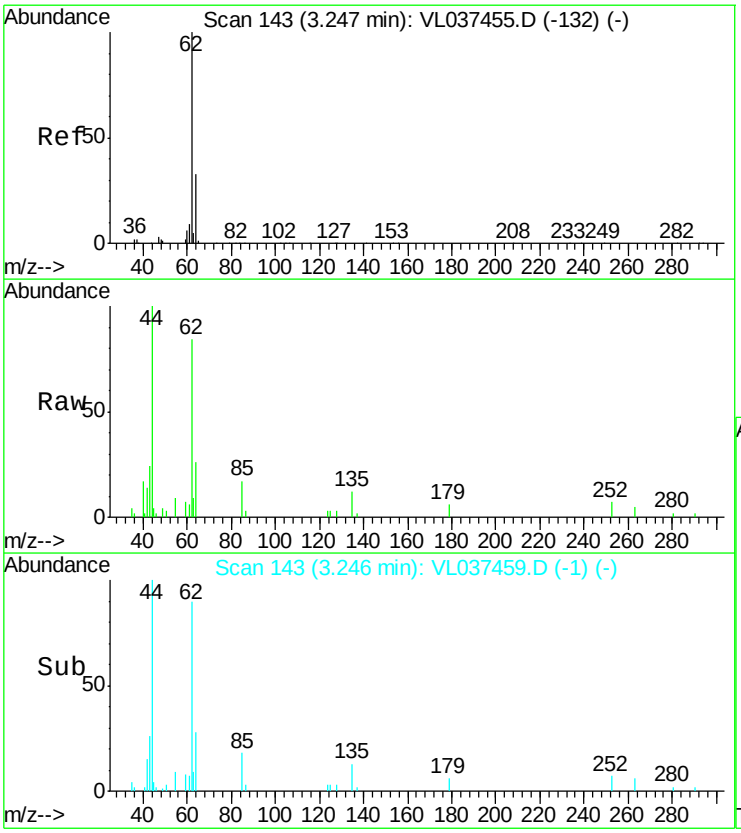
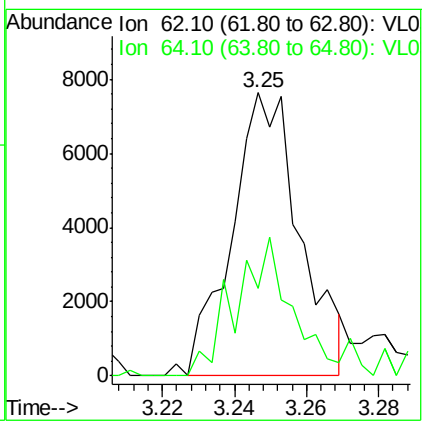
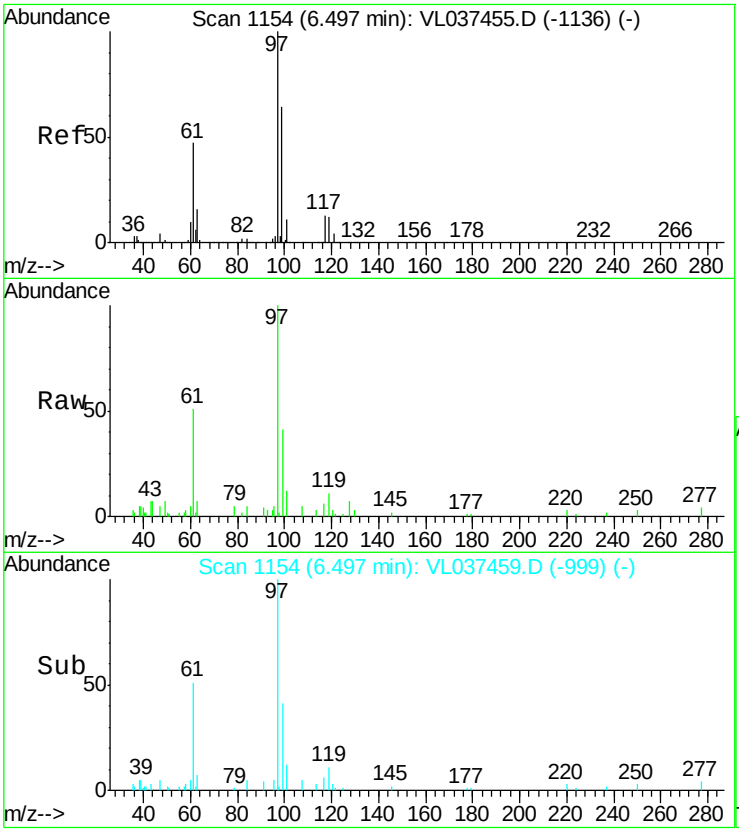


#5
Vinyl Chloride
Concen: 0.086 ppbv m
RT: 3.25 min Scan# 143
Delta R.T. -0.00 min
Lab File: VL037459.D
Acq: 16 Aug 2021 13:00

Tgt Ion: 62 Resp: 10092

Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.5	39.7

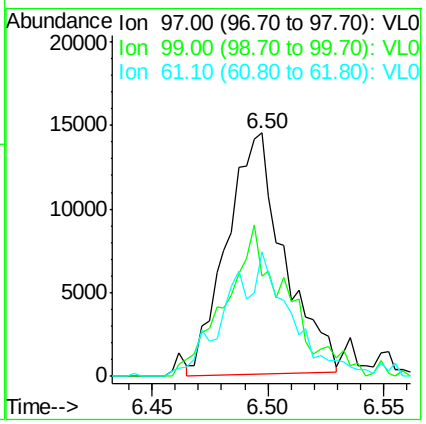




#32
1,1,1-Trichloroethane
Concen: 0.088 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.00 min
Lab File: VL037459.D
Acq: 16 Aug 2021 13:00

Tgt Ion: 97 Resp: 24799

Ion	Ratio	Lower	Upper
97	100		
99	70.4	51.8	77.6
61	58.6	39.6	59.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED
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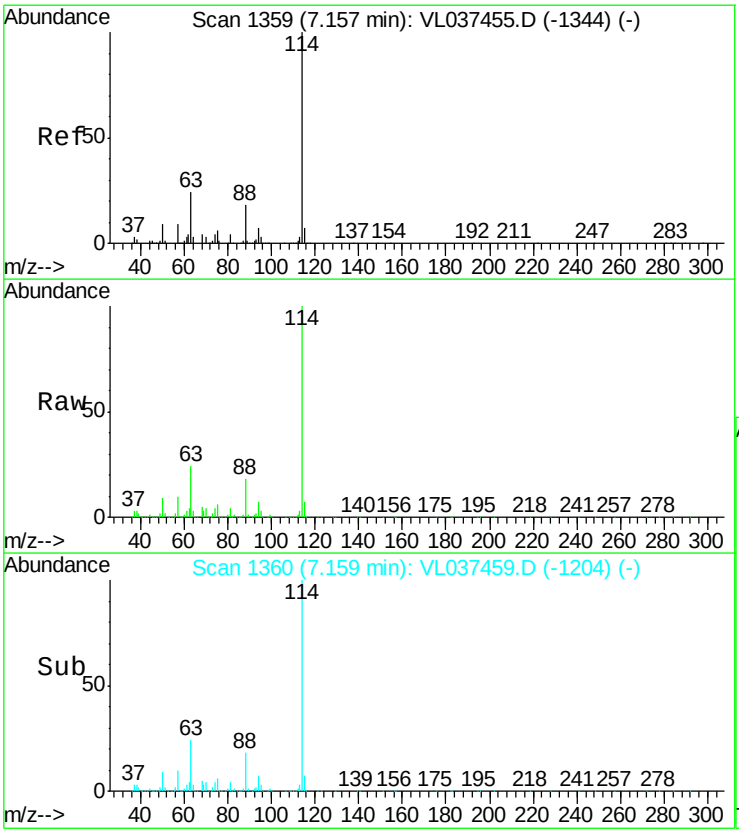
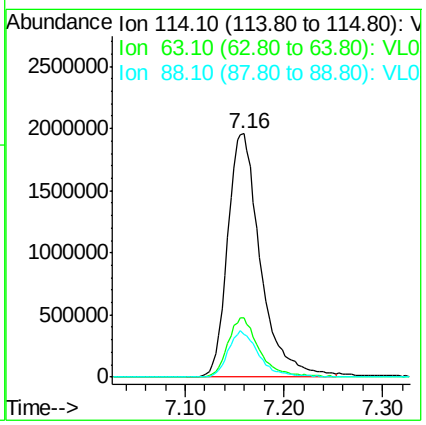
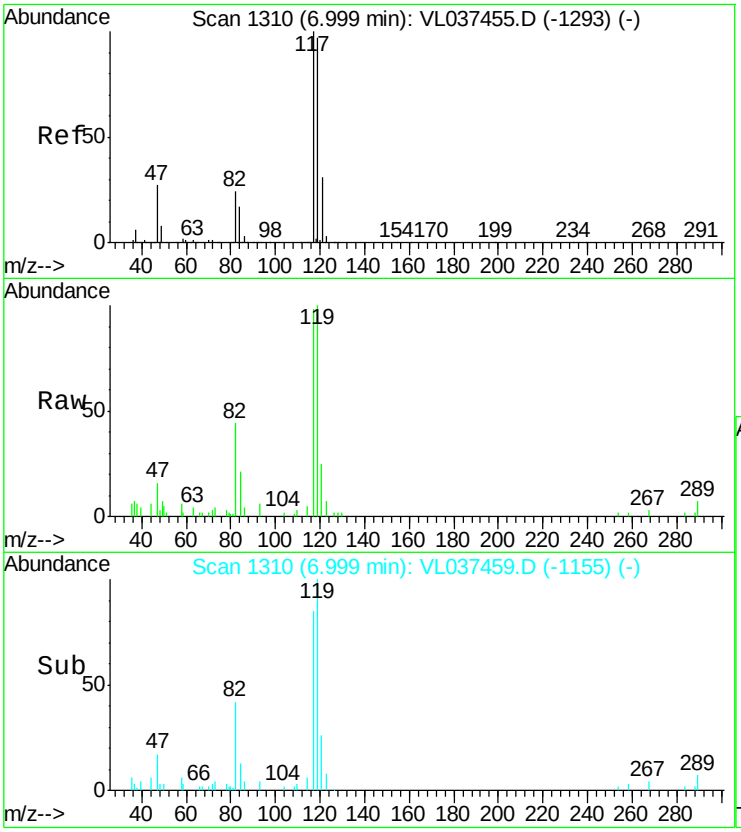


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VL037459.D
Acq: 16 Aug 2021 13:00

Tgt Ion:114 Resp: 4527685

Ion	Ratio	Lower	Upper
114	100		
63	23.6	19.3	28.9
88	18.2	14.2	21.4

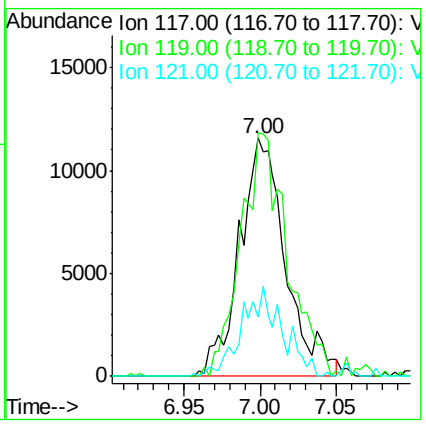




#35
Carbon Tetrachloride
Concen: 0.087 ppbv m
RT: 7.00 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VL037459.D
Acq: 16 Aug 2021 13:00

Tgt Ion:117 Resp: 24369

Ion	Ratio	Lower	Upper
117	100		
119	102.2	77.3	115.9
121	25.1	25.2	37.8#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED
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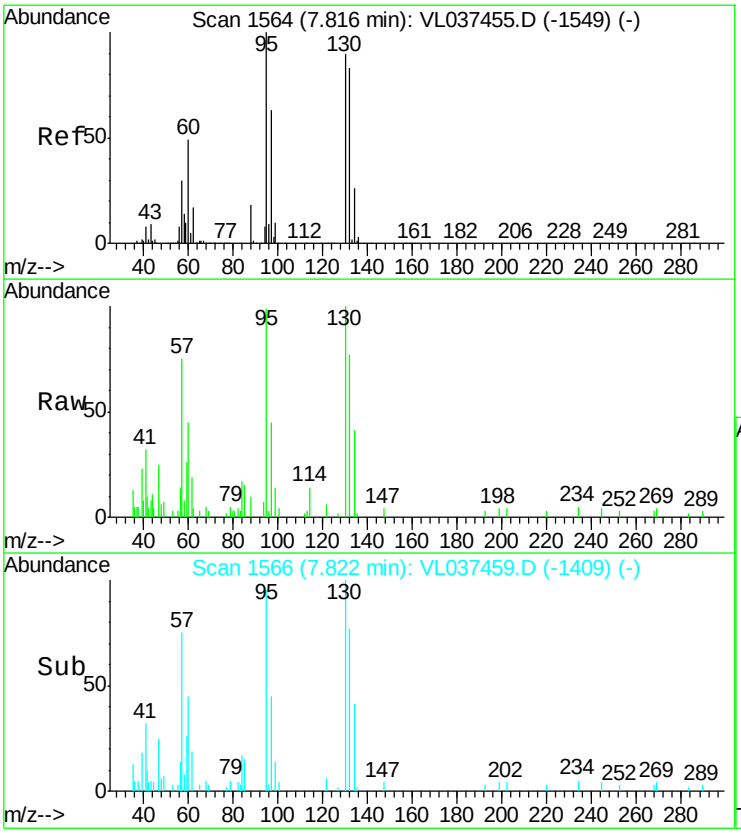
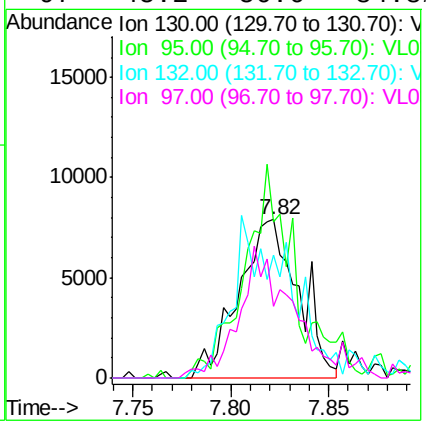
8/19/2021 5:59:10 PM

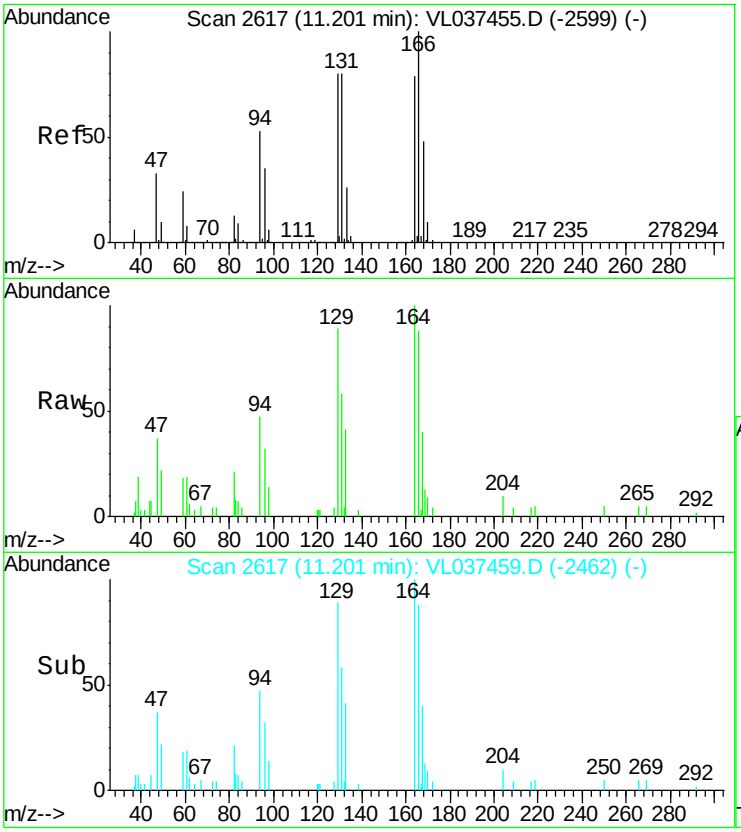


#38
Trichloroethene
Concen: 0.100 ppbv m
RT: 7.82 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VL037459.D
Acq: 16 Aug 2021 13:00

Tgt Ion:130 Resp: 16825

Ion	Ratio	Lower	Upper
130	100		
95	98.9	89.2	133.8
132	77.5	74.0	111.0
97	45.2	56.6	84.8#

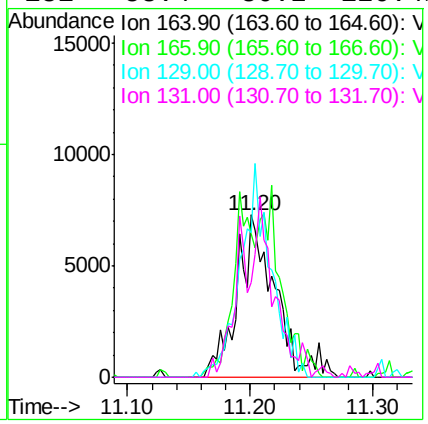




#52
Tetrachloroethene
Concen: 0.097 ppbv m
RT: 11.20 min Scan# 2617
Delta R.T. -0.00 min
Lab File: VL037459.D
Acq: 16 Aug 2021 13:00

Tgt Ion:164 Resp: 15643

Ion	Ratio	Lower	Upper
164	100		
166	88.5	100.7	151.1#
129	89.3	80.9	121.3
131	58.4	80.2	120.4#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED
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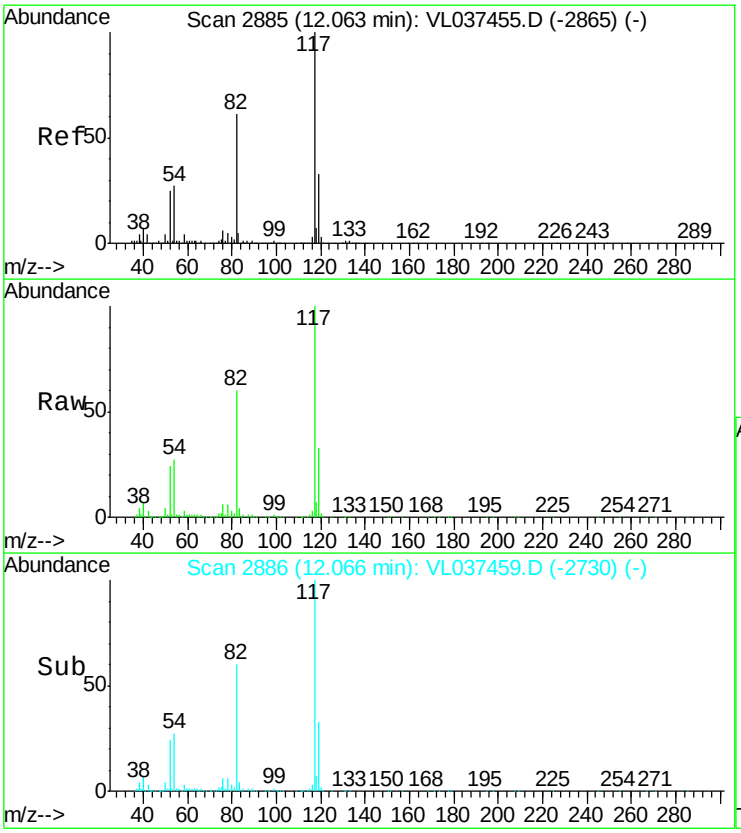
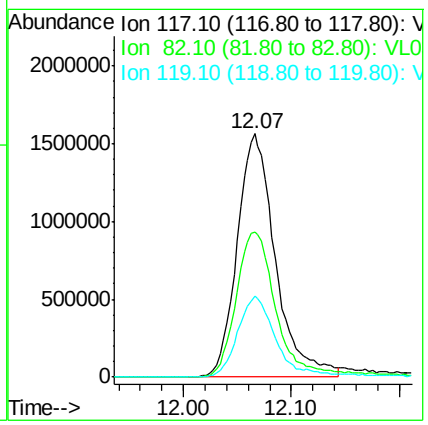
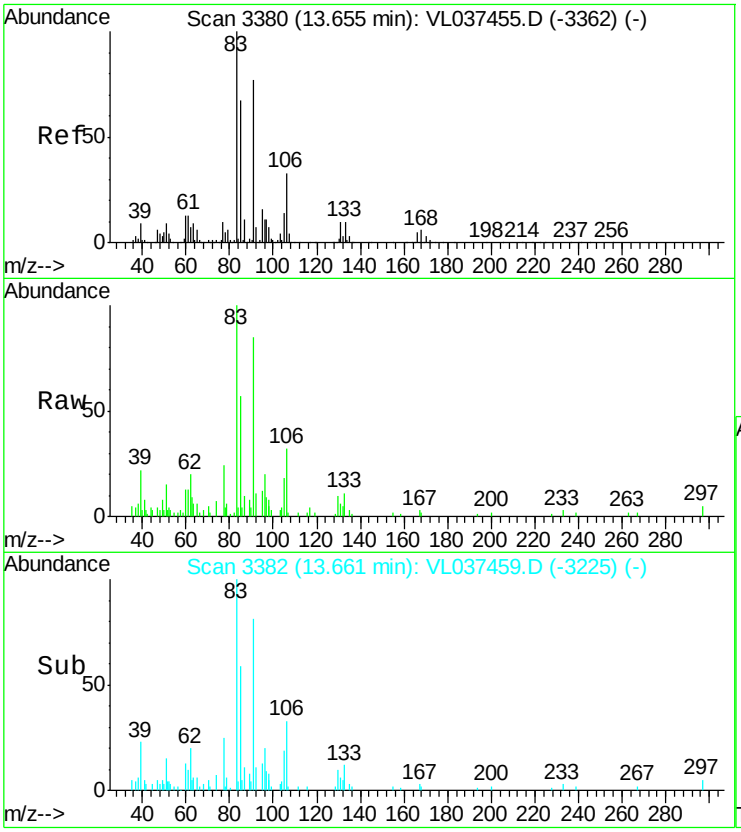


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VL037459.D
Acq: 16 Aug 2021 13:00

Tgt Ion:117 Resp: 3859440

Ion	Ratio	Lower	Upper
117	100		
82	64.8	52.9	79.3
119	33.7	24.8	37.2

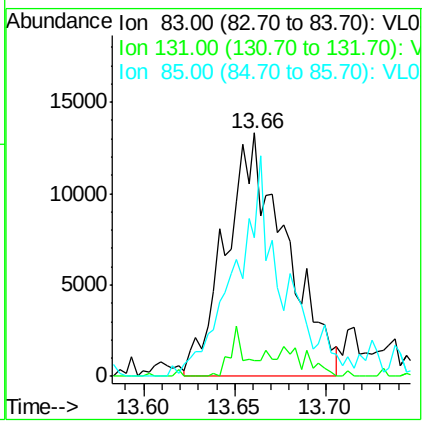




#63
1,1,2,2-Tetrachloroethane
Concen: 0.095 ppbv m
RT: 13.66 min Scan# 3382
Delta R.T. 0.01 min
Lab File: VL037459.D
Acq: 16 Aug 2021 13:00

Tgt Ion: 83 Resp: 30583

Ion	Ratio	Lower	Upper
83	100		
131	6.9	5.0	15.0
85	72.8	33.8	101.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED
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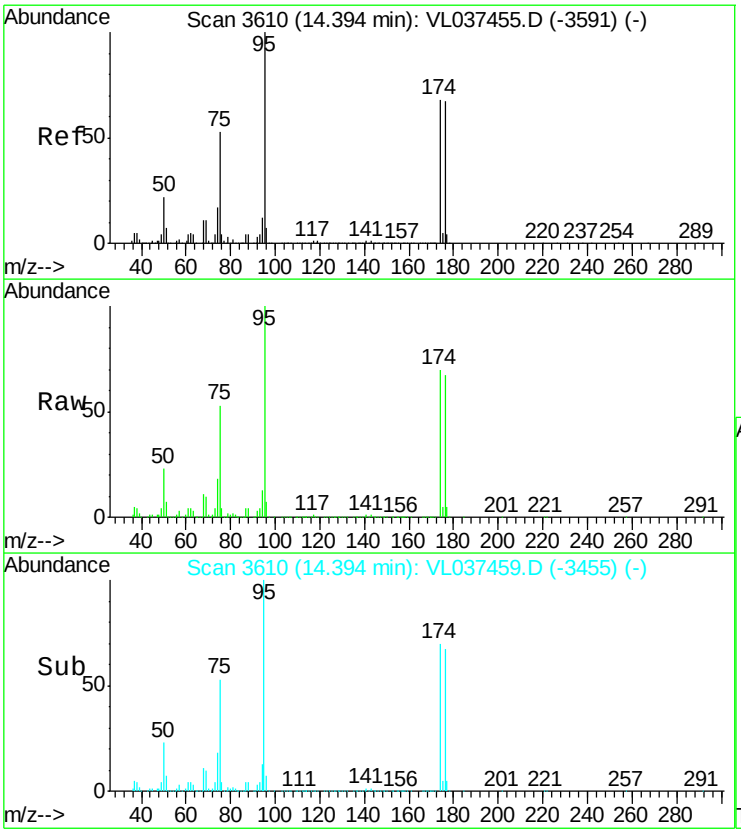
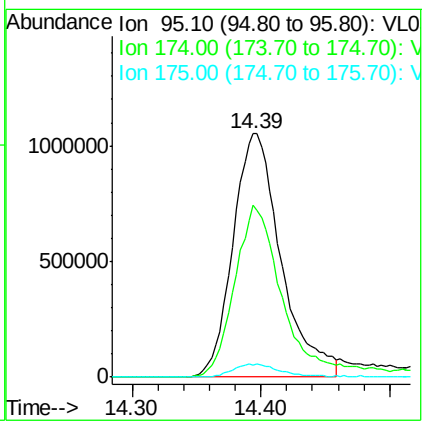
8/19/2021 5:59:10 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.794 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.00 min
Lab File: VL037459.D
Acq: 16 Aug 2021 13:00

Tgt Ion: 95 Resp: 2711598

Ion	Ratio	Lower	Upper
95	100		
174	75.9	59.6	89.4
175	5.7	4.6	7.0