

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061421\
 Data File : VL037150.D
 Acq On : 14 Jun 2021 15:29
 Operator : SY/AP
 Sample : VSTDIC0.03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Manual Integrations
 APPROVED

MMDadoda
 6/15/2021 5:17:12 PM

Quant Time: Jun 14 16:33:03 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1612420	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4704880	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	4132784	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3054425	9.84	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.27	62	2292m	0.021	ppbv	
32) 1,1,1-Trichloroethane	6.53	97	6580m	0.021	ppbv	
35) Carbon Tetrachloride	7.04	117	6372m	0.020	ppbv	
38) Trichloroethene	7.84	130	4666m	0.027	ppbv	
52) Tetrachloroethene	11.23	164	4169m	0.026	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.71	83	7673m	0.022	ppbv	

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

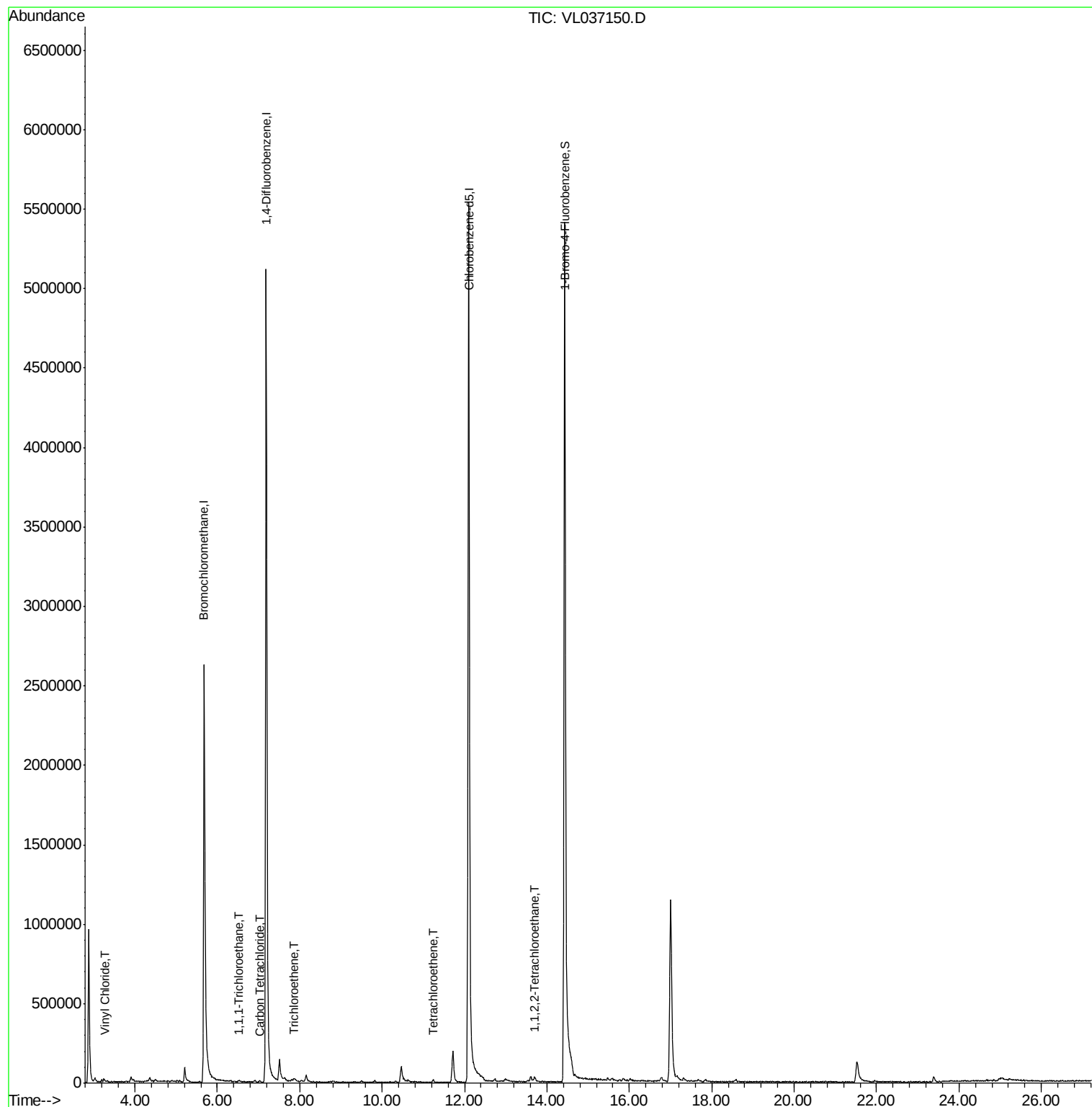
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL061421\
Data File : VL037150.D
Acq On : 14 Jun 2021 15:29
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

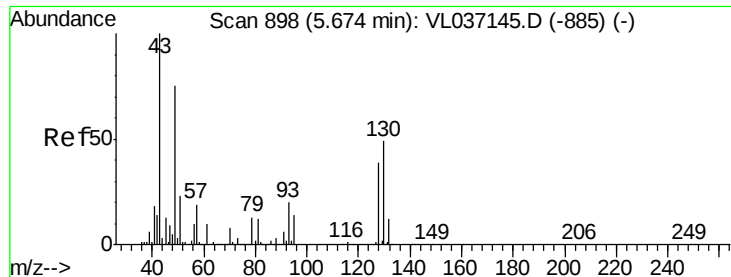
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

MMDadoda
6/15/2021 5:17:12 PM

Quant Time: Jun 14 16:33:03 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.03 min

Lab File: VL037150.D

Acq: 14 Jun 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1612420

Ion Ratio Lower Upper

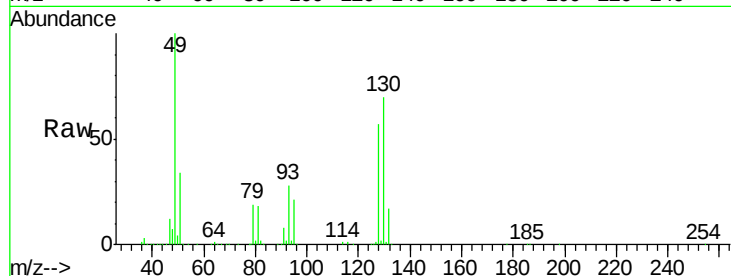
49 100

128 58.1 26.9 80.7

130 73.4 33.8 101.4

Manual Integrations
APPROVED

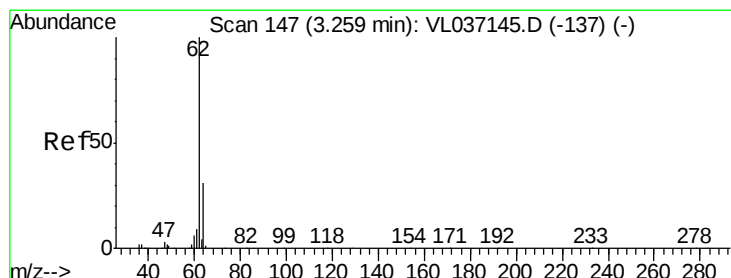
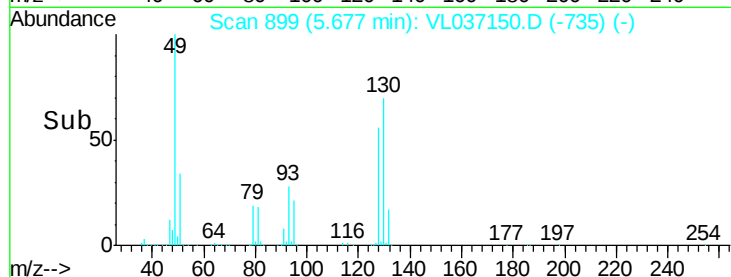
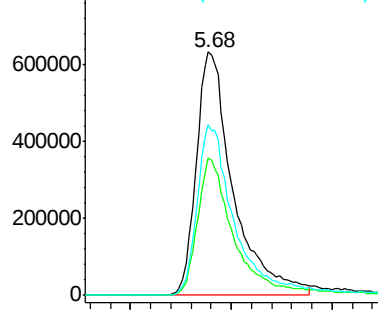
MMDadoda
6/15/2021 5:17:12 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.021 ppbv m

RT: 3.27 min Scan# 150

Delta R.T. 0.03 min

Lab File: VL037150.D

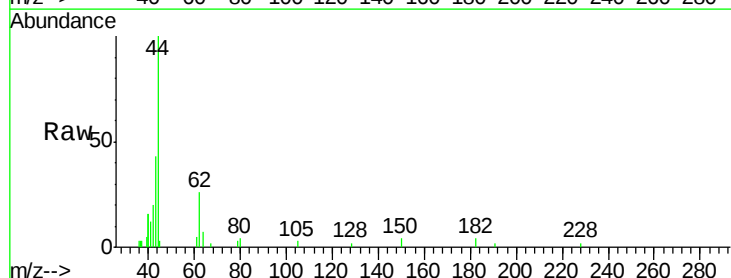
Acq: 14 Jun 2021 15:29

Tgt Ion: 62 Resp: 2292

Ion Ratio Lower Upper

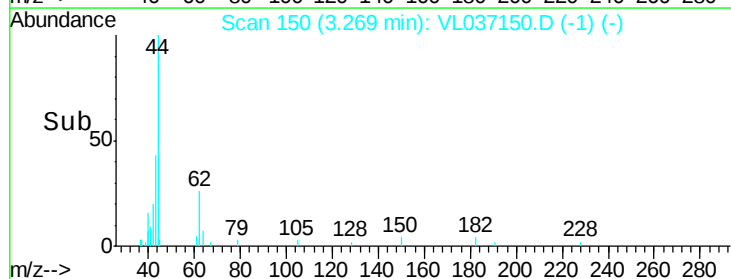
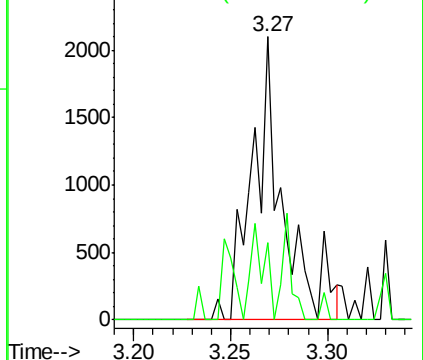
62 100

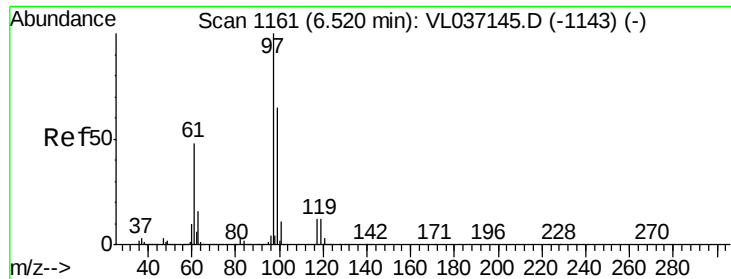
64 27.1 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





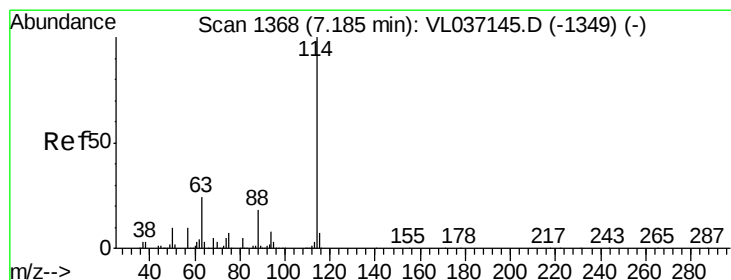
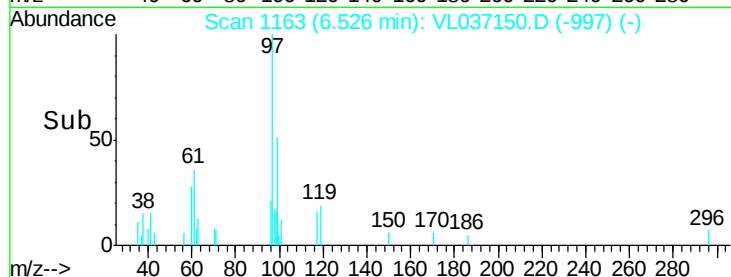
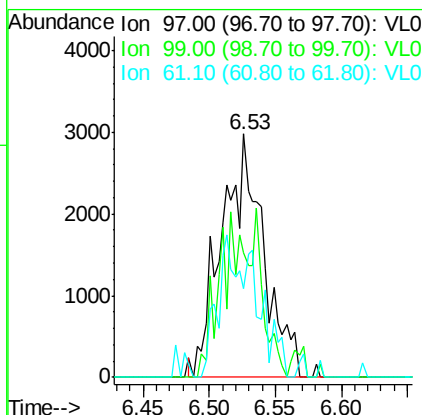
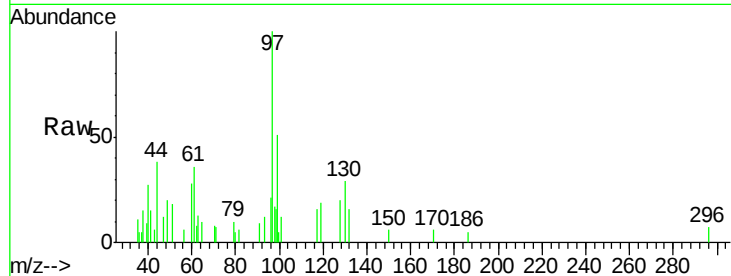
#32
 1,1,1-Trichloroethane
 Concen: 0.021 ppbv m
 RT: 6.53 min Scan# 1163
 Delta R.T. 0.04 min
 Lab File: VL037150.D
 Acq: 14 Jun 2021 15:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.9	77.9
61	0.0	37.6	56.4#

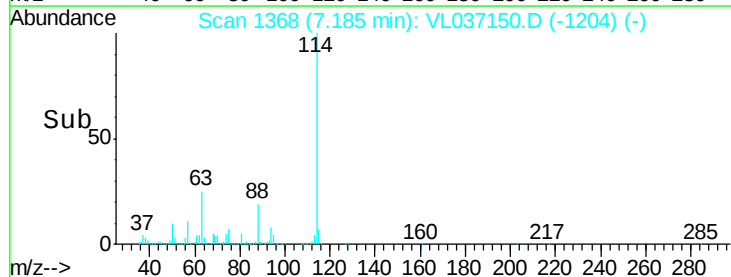
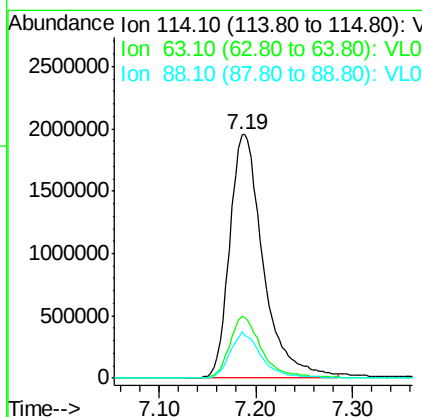
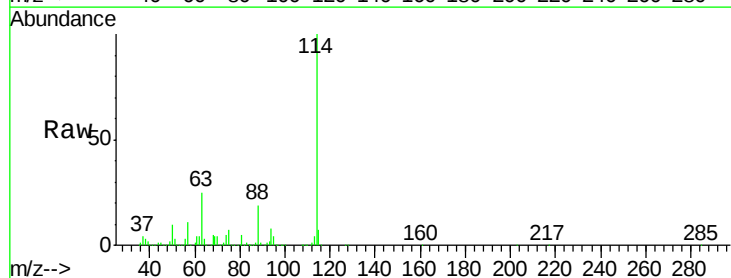
Manual Integrations
 APPROVED

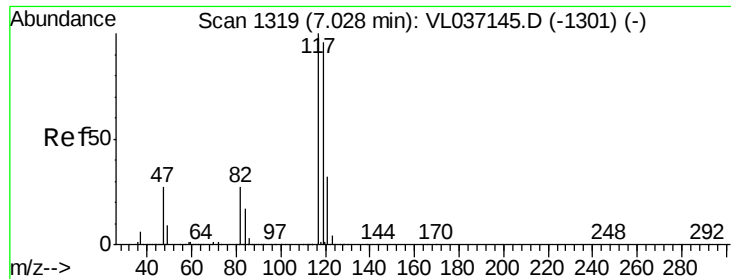
MMDadoda
 6/15/2021 5:17:12 PM



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.03 min
 Lab File: VL037150.D
 Acq: 14 Jun 2021 15:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.4	19.6	29.4
88	17.8	14.6	21.8





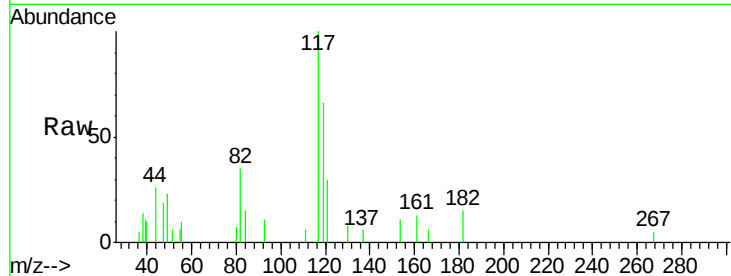
#35
Carbon Tetrachloride
Concen: 0.020 ppbv m
RT: 7.04 min Scan# 1324
Delta R.T. 0.04 min
Lab File: VL037150.D
Acq: 14 Jun 2021 15:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
117	100		
119	66.3	76.6	114.8#
121	30.1	25.8	38.6

Manual Integrations
APPROVED

MMDadoda
6/15/2021 5:17:12 PM

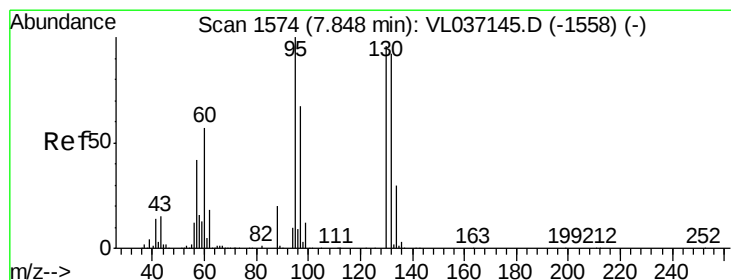
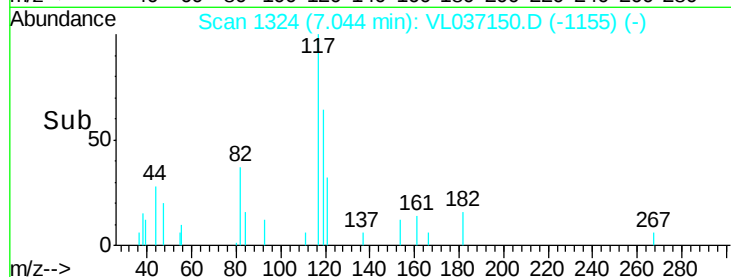
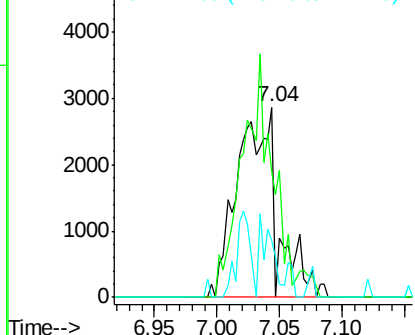


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#38
Trichloroethene
Concen: 0.027 ppbv m
RT: 7.84 min Scan# 1572
Delta R.T. 0.03 min
Lab File: VL037150.D
Acq: 14 Jun 2021 15:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	212.5	86.9	130.3#
132	163.5	78.4	117.6#
97	65.1	55.0	82.6

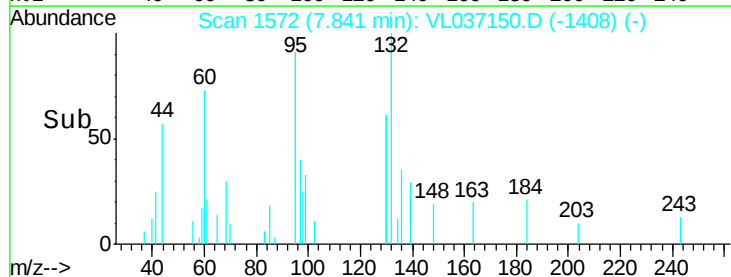
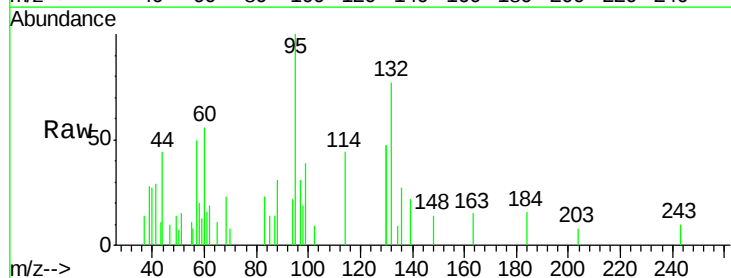
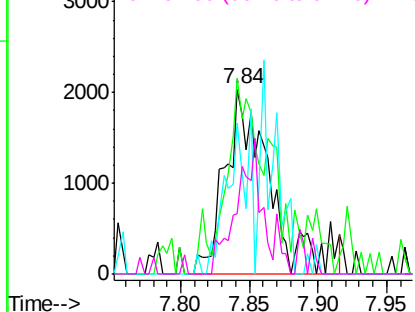
Abundance

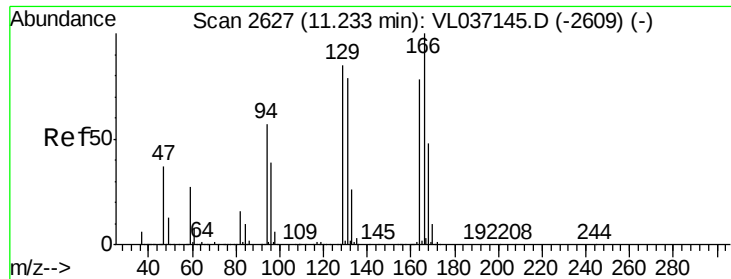
Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





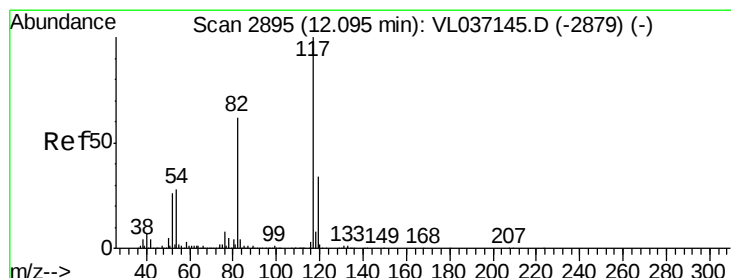
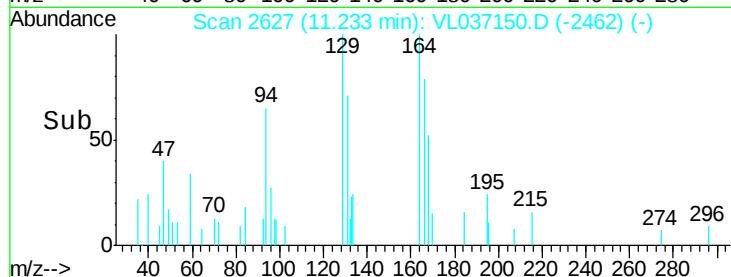
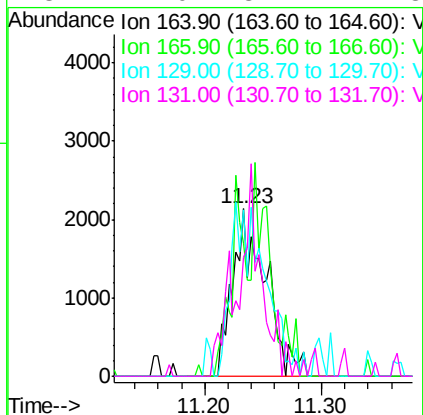
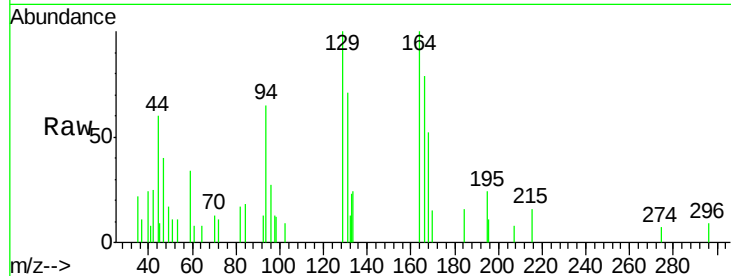
#52
Tetrachloroethene
Concen: 0.026 ppbv m
RT: 11.23 min Scan# 2627
Delta R.T. 0.03 min
Lab File: VL037150.D
Acq: 14 Jun 2021 15:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	79.4	105.5	158.3#
129	99.6	81.8	122.8
131	71.0	81.2	121.8#

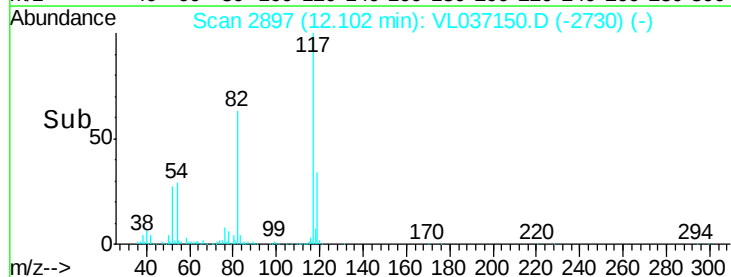
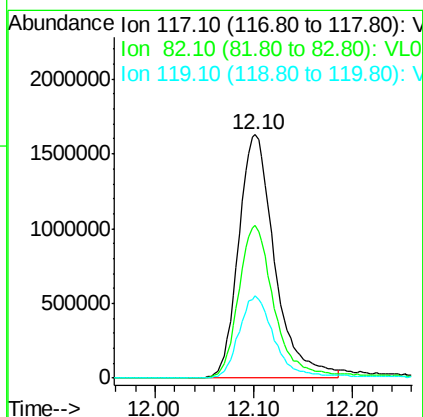
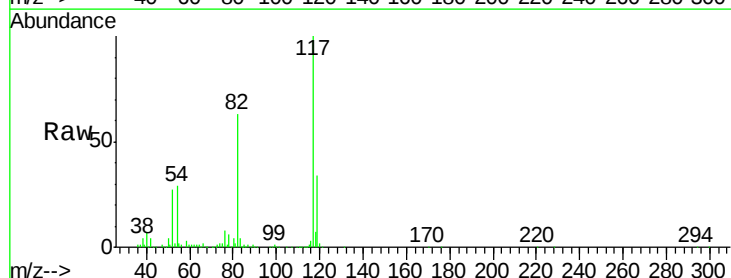
Manual Integrations
APPROVED

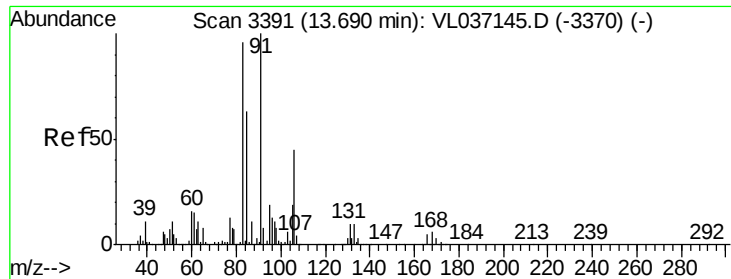
MMDadoda
6/15/2021 5:17:12 PM



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.04 min
Lab File: VL037150.D
Acq: 14 Jun 2021 15:29

Tgt Ion	Ratio	Lower	Upper
117	100		
82	64.6	52.6	79.0
119	34.5	46.6	70.0#





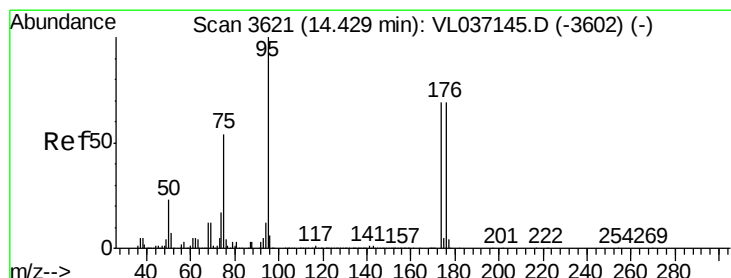
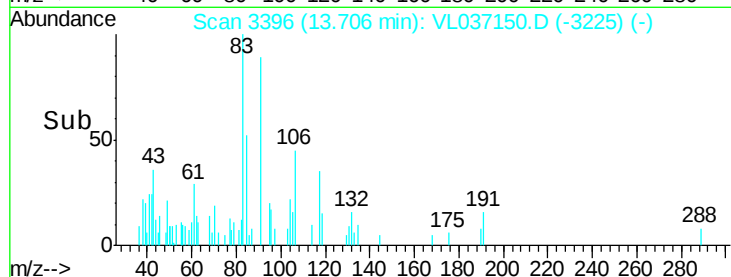
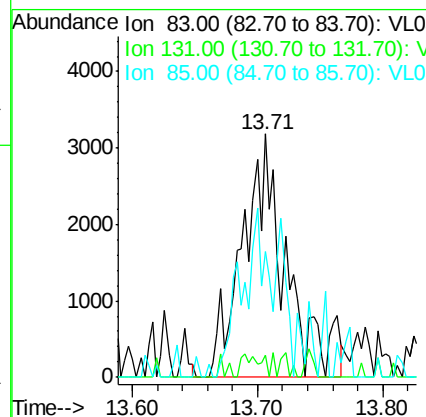
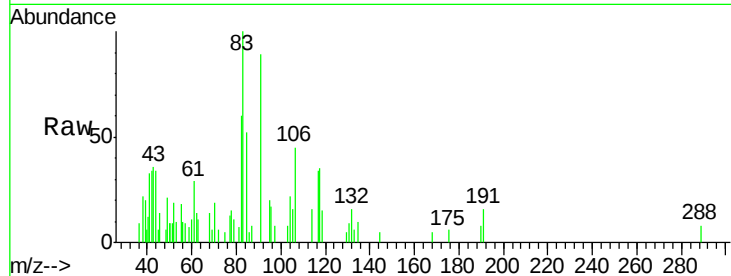
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.022 ppbv m
 RT: 13.71 min Scan# 3396
 Delta R.T. 0.05 min
 Lab File: VL037150.D
 Acq: 14 Jun 2021 15:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion: 83 Resp: 7673
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 15.0#
 85 64.0 32.9 98.6

Manual Integrations
 APPROVED

MMDadoda
 6/15/2021 5:17:12 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.838 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. 0.04 min
 Lab File: VL037150.D
 Acq: 14 Jun 2021 15:29

Tgt Ion: 95 Resp: 3054425
 Ion Ratio Lower Upper
 95 100
 174 74.1 58.4 87.6
 175 5.3 4.4 6.6

