

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040623\
 Data File : VW030426.D
 Acq On : 06 Apr 2023 18:35
 Operator : SY/MD
 Sample : 02225-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AD5

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/07/2023
 Supervised By :Mahesh Dadoda 04/07/2023

Quant Time: Apr 07 04:52:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 31 05:37:21 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

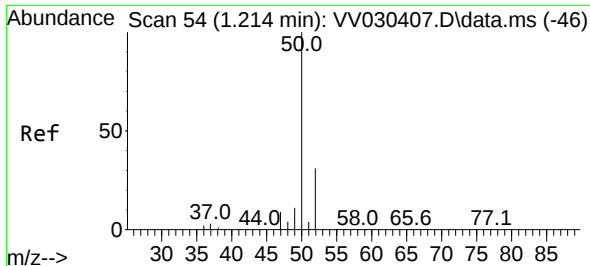
Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	127960	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	123440	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	60874	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	37675	4.445	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.536	69	38374	4.666	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.400%
11) 1,1-Dichloroethene-d2	2.072	63	765636	38.072	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	761.400%#
20) 2-Butanone-d5	3.831	46	106721	48.720	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.440%
24) Chloroform-d	4.262	84	96198	4.690	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
26) 1,2-Dichloroethane-d4	4.953	65	49056	5.069	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.400%
32) Benzene-d6	4.969	84	176264	5.067	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
36) 1,2-Dichloropropane-d6	5.998	67	54877	5.039	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.800%
41) Toluene-d8	7.252	98	149069	4.667	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.400%
43) trans-1,3-Dichloroprop...	7.564	79	18854	4.598	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.000%
46) 2-Hexanone-d5	8.037	63	76953	46.706	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.420%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	40472	4.715	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.400%
66) 1,2-Dichlorobenzene-d4	11.570	152	57044	5.243	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.800%
Target Compounds						
3) Chloromethane	1.217	50	2988	0.146	ug/L	95
5) Vinyl chloride	1.285	62	2588	0.173	ug/L #	72
6) Bromomethane	1.494	94	697	0.163	ug/L	76
9) Trichlorofluoromethane	1.719	101	3524	0.162	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	3672	0.305	ug/L #	31
12) 1,1-Dichloroethene	2.072	96	1183240	110.669	ug/L #	72
13) Acetone	2.156	43	6066m	2.896	ug/L	
19) 1,1-Dichloroethane	3.121	63	162246	7.430	ug/L	99
27) 1,2-Dichloroethane	5.066	62	2406	0.180	ug/L #	81
29) 1,1,1-Trichloroethane	4.523	97	3781098	190.576	ug/L	99
34) Trichloroethene	5.844	95	13782	1.166	ug/L	88
42) Toluene	7.330	91	10550	0.226	ug/L	97
47) Tetrachloroethene	7.911	164	1618	0.155	ug/L	88

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

Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023

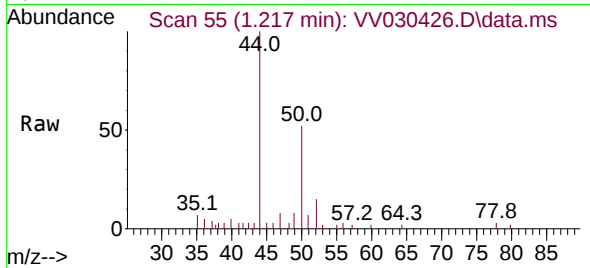
Chromatogram showing abundance versus time (TIC: VV030426.D\data.ms). The y-axis represents Abundance from 0 to 5,400,000. The x-axis represents Time from 2.00 to 17.00 minutes. The base peak is at 2.00 minutes, labeled 1,1,1-Trichloroethane, T. Other significant peaks are labeled with chemical names and their retention times.

Retention Time (min)	Chemical Name
2.00	1,1,1-Trichloroethane, T
3.10	1,1-Dichloroethane, T
4.10	2-Butanone-d5, S
4.50	Chloroform-d, S
4.80	1,2-Dichloroethane, T
5.00	1,2-Dichloroethane, T
5.50	1,4-Difluorobenzene, I
5.80	Trichloroethene, T
6.00	1,2-Dichloropropane-d6, S
7.30	Toluene-d8, S
7.50	trans-1,3-Dichloropropene-d4, S
8.00	Tetrachloroethene, T
8.10	2-Hexanone-d5, S
8.80	Chlorobenzene-d5, I
10.10	1,1,2,2-Tetrachloroethane-d2, S
11.20	1,4-Dichlorobenzene-d4, I
11.50	1,2-Dichlorobenzene-d4, S



#3
Chloromethane
Concen: 0.146 ug/L
RT: 1.217 min Scan# 50
Delta R.T. -0.000 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35

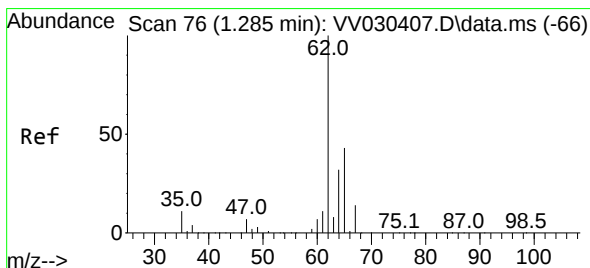
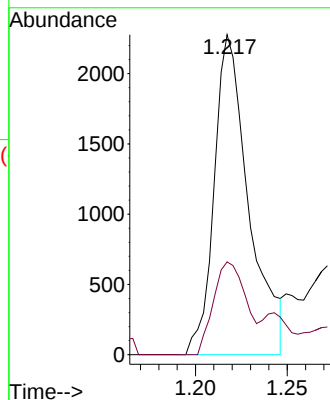
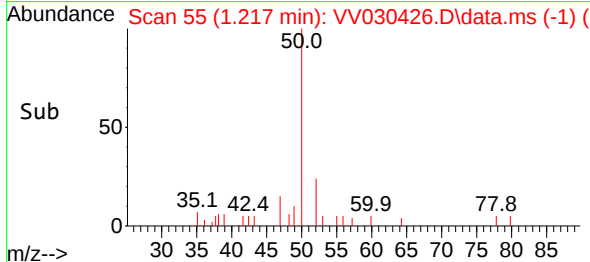
Instrument :
MSVOA_V
ClientSampleId :
C0AD5



Tgt Ion: 50 Resp: 2988
Ion Ratio Lower Upper
50 100
52 29.0 22.3 41.5

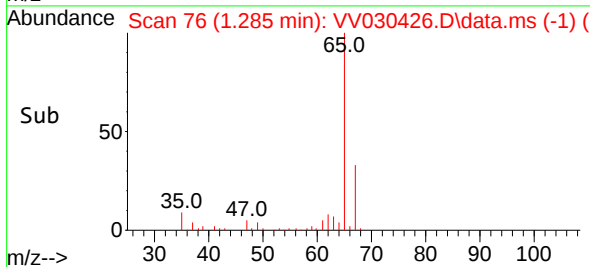
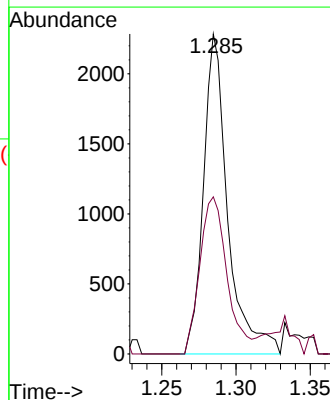
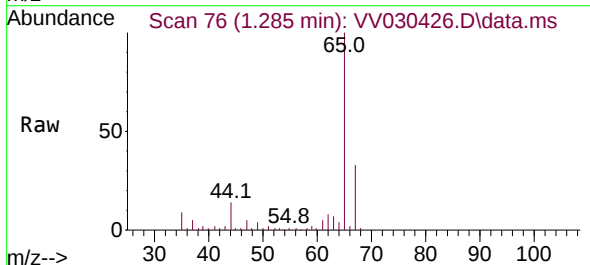
Manual Integrations
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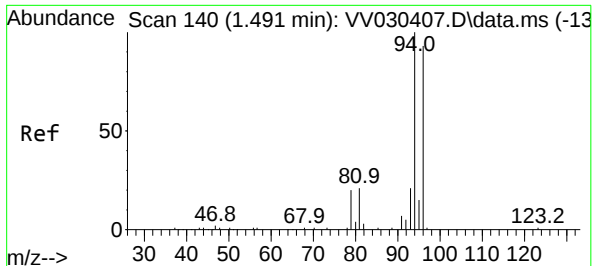
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#5
Vinyl chloride
Concen: 0.173 ug/L
RT: 1.285 min Scan# 76
Delta R.T. -0.000 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35

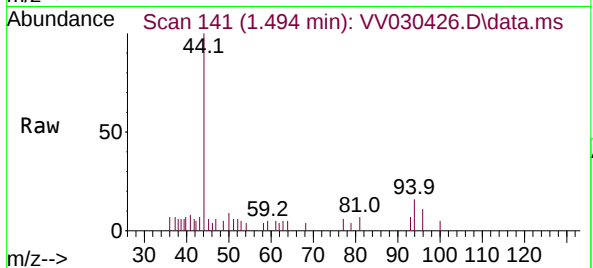
Tgt Ion: 62 Resp: 2588
Ion Ratio Lower Upper
62 100
64 49.1 23.2 43.2#





#6
Bromomethane
Concen: 0.163 ug/L
RT: 1.494 min Scan# 140
Delta R.T. 0.003 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35

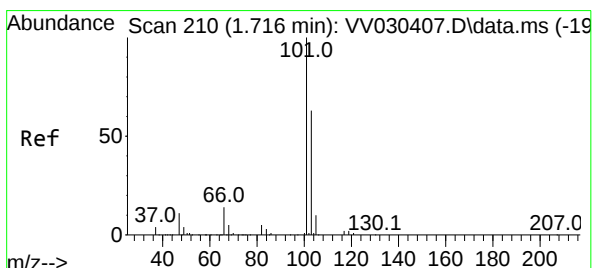
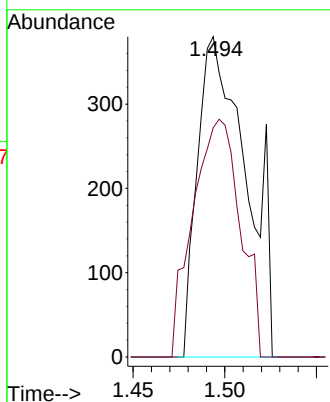
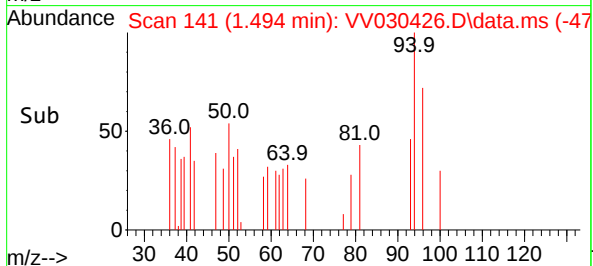
Instrument :
MSVOA_V
ClientSampleId :
C0AD5



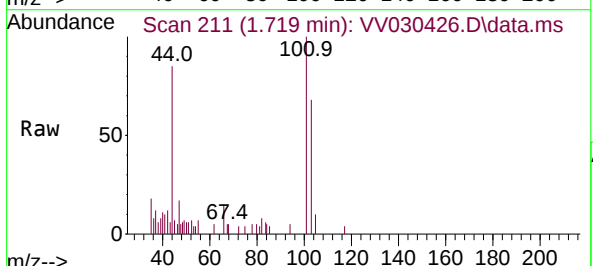
Tgt Ion: 94 Resp: 69
Ion Ratio Lower Upper
94 100
96 71.6 66.1 122.7

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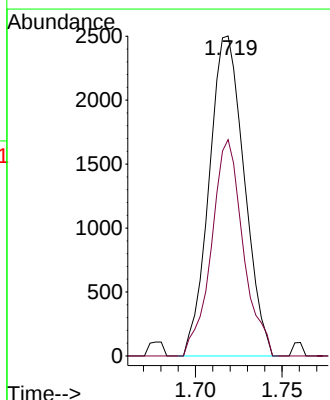
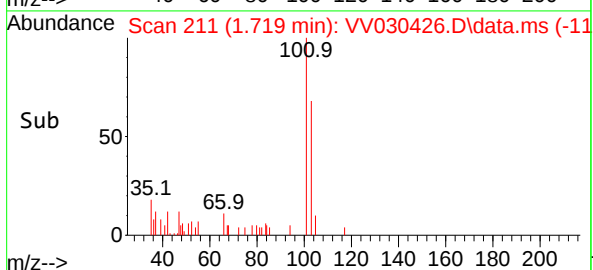
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023

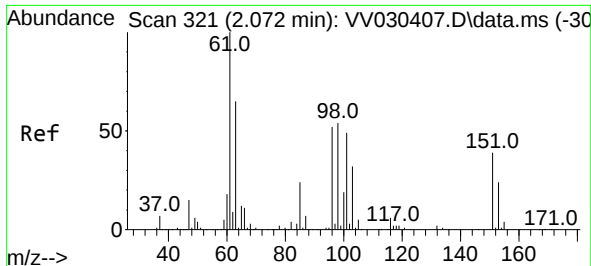


#9
Trichlorofluoromethane
Concen: 0.162 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35



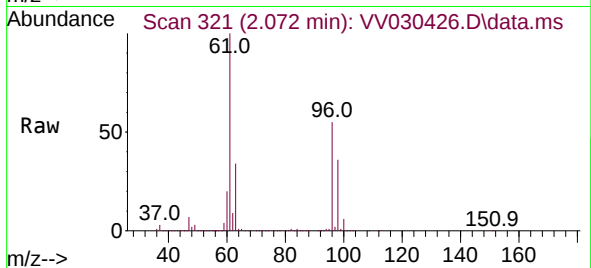
Tgt Ion:101 Resp: 3524
Ion Ratio Lower Upper
101 100
103 61.1 51.0 76.6





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.305 ug/L
RT: 2.072 min Scan# 321
Delta R.T. -0.000 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35

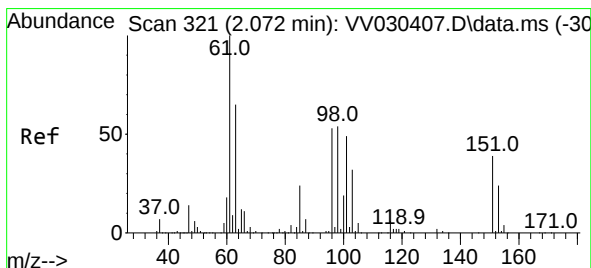
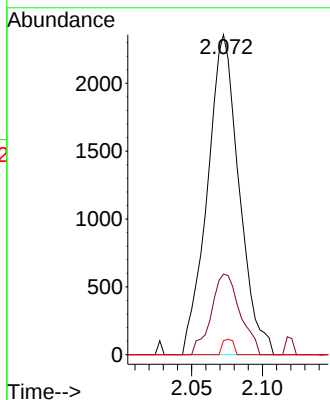
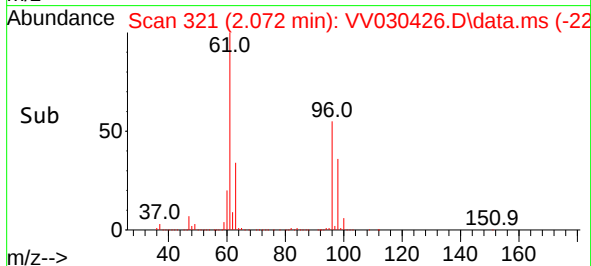
Instrument :
MSVOA_V
ClientSampleId :
C0AD5



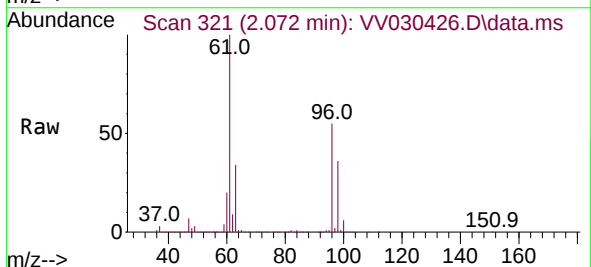
Tgt Ion: 101 Resp: 3672
Ion Ratio Lower Upper
101 100
85 23.0 38.1 57.1
151 1.7 62.7 94.1

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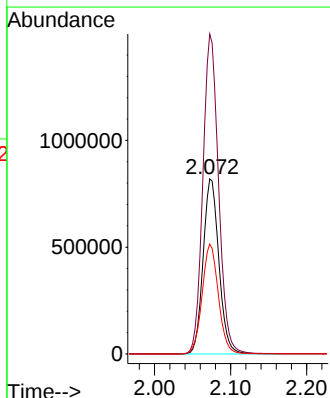
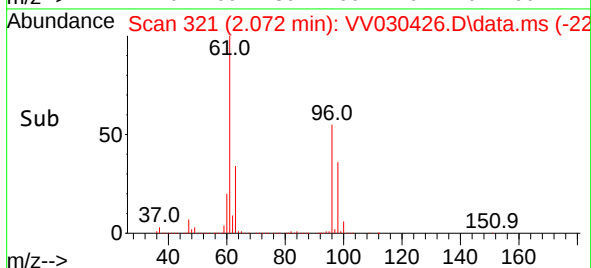
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023

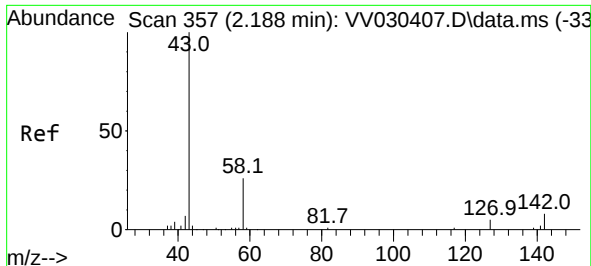


#12
1,1-Dichloroethene
Concen: 110.669 ug/L
RT: 2.072 min Scan# 321
Delta R.T. -0.003 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35



Tgt Ion: 96 Resp: 1183240
Ion Ratio Lower Upper
96 100
61 182.8 136.3 253.1
63 62.8 92.1 171.1





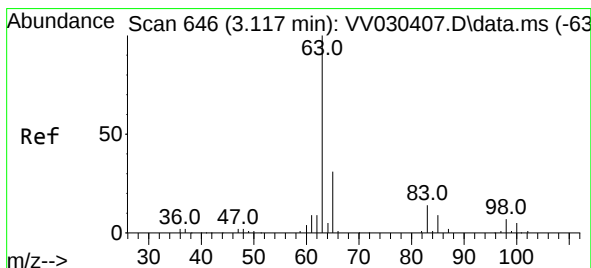
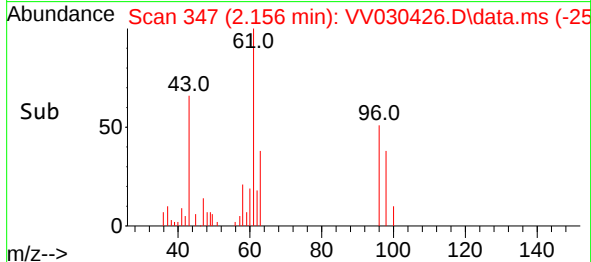
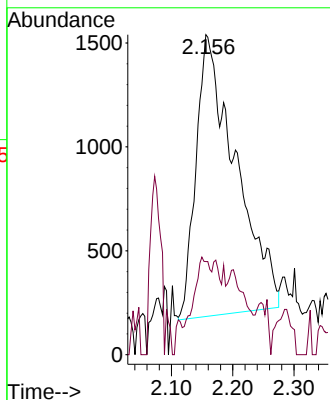
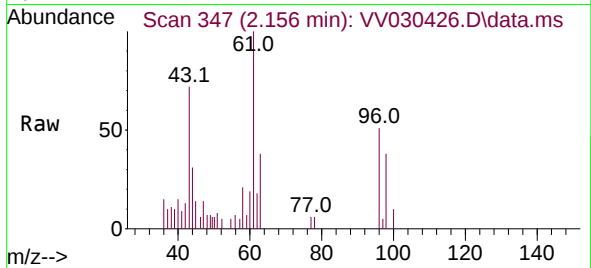
#13
Acetone
Concen: 2.896 ug/L m
RT: 2.156 min Scan# 347
Delta R.T. 0.010 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35

Instrument :
MSVOA_V
ClientSampleId :
C0AD5

Tgt Ion: 43 Resp: 606
Ion Ratio Lower Upper
43 100
58 15.7 0.0 40.8

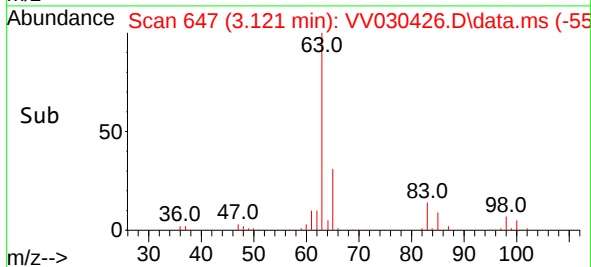
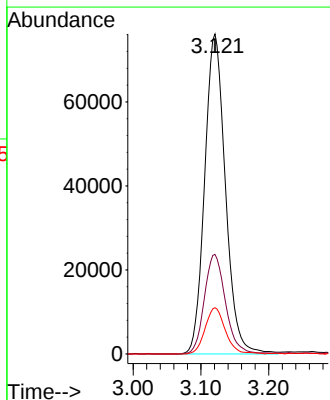
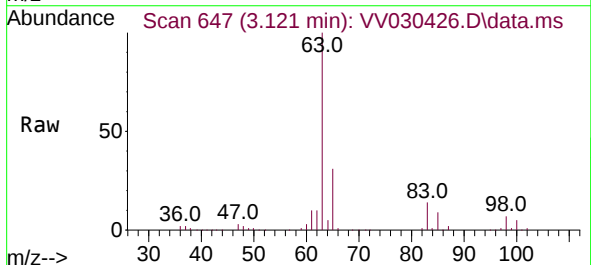
Manual Integrations
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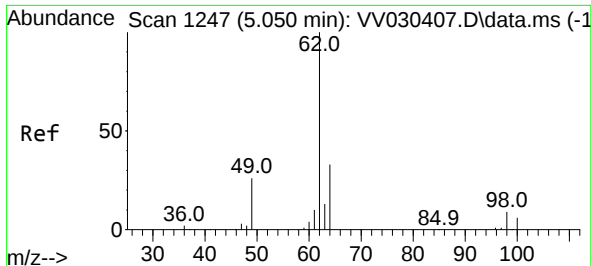
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#19
1,1-Dichloroethane
Concen: 7.430 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35

Tgt Ion: 63 Resp: 162246
Ion Ratio Lower Upper
63 100
65 31.1 21.7 40.3
83 14.4 9.1 16.9





#27

1,2-Dichloroethane

Concen: 0.180 ug/L

RT: 5.066 min Scan# 11

Delta R.T. 0.016 min

Lab File: VV030426.D

Acq: 06 Apr 2023 18:35

Instrument :

MSVOA_V

ClientSampleId :

C0AD5

Tgt Ion: 62 Resp: 2400

Ion Ratio Lower Upper

62 100

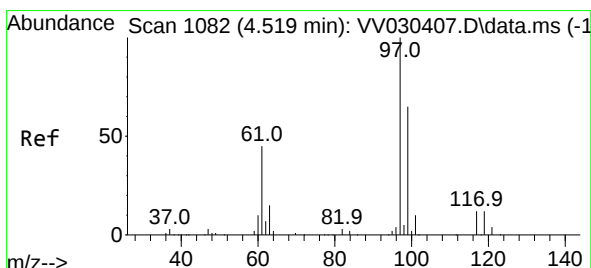
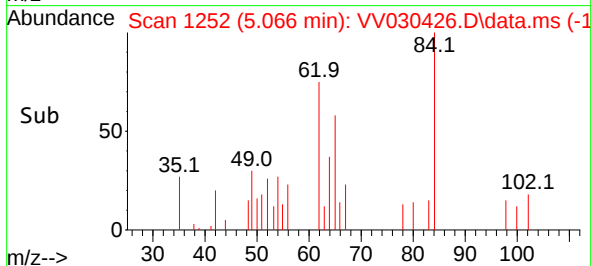
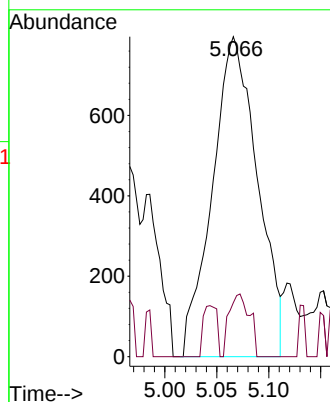
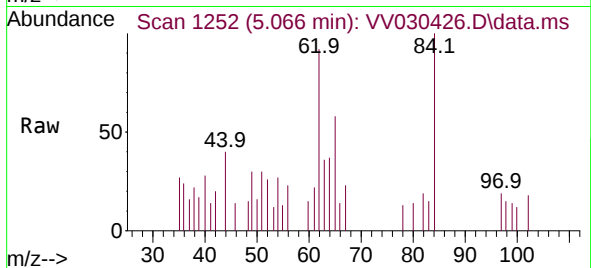
98 16.8 7.8 11.8

Manual Integrations

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Supervised By :Mahesh Dadoda 04/07/2023



#29

1,1,1-Trichloroethane

Concen: 190.576 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VV030426.D

Acq: 06 Apr 2023 18:35

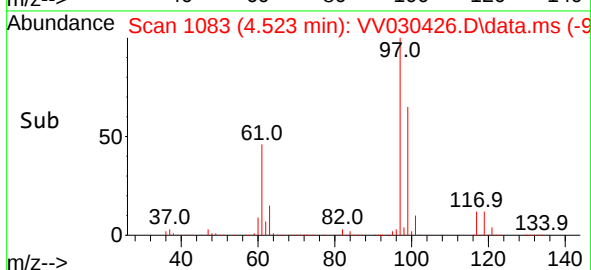
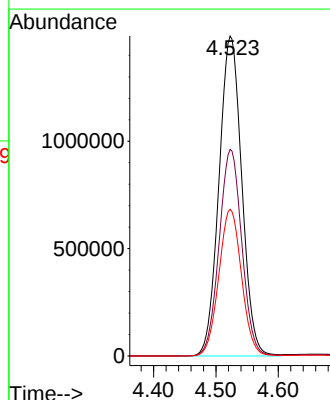
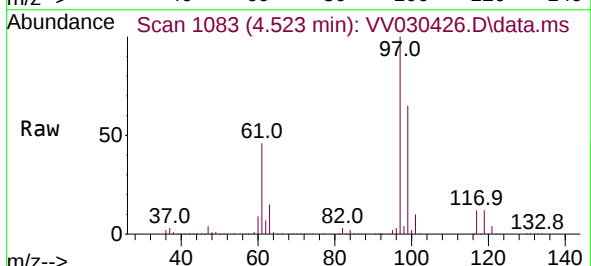
Tgt Ion: 97 Resp: 3781098

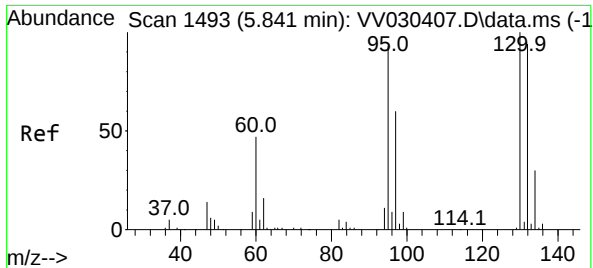
Ion Ratio Lower Upper

97 100

99 64.3 50.9 76.3

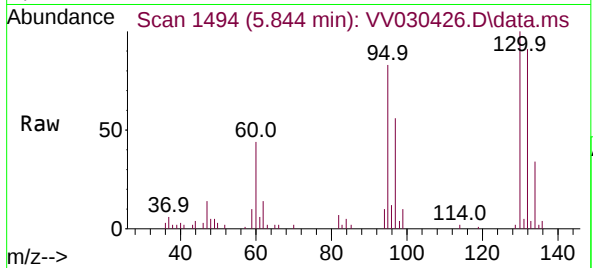
61 45.8 35.9 53.9





#34
Trichloroethene
Concen: 1.166 ug/L
RT: 5.844 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35

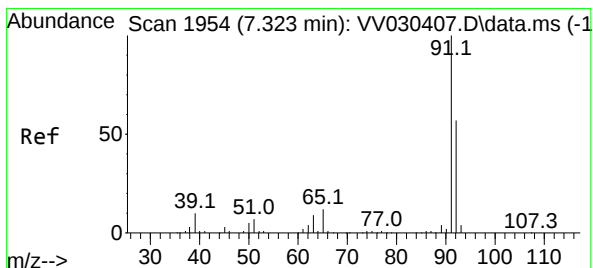
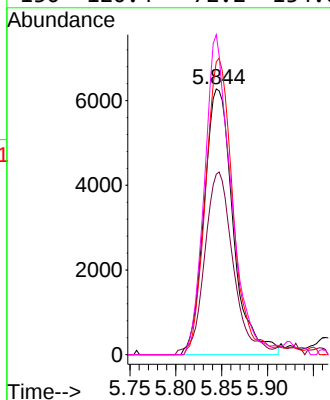
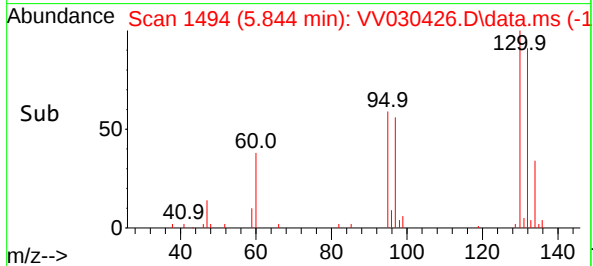
Instrument :
MSVOA_V
ClientSampleId :
C0AD5



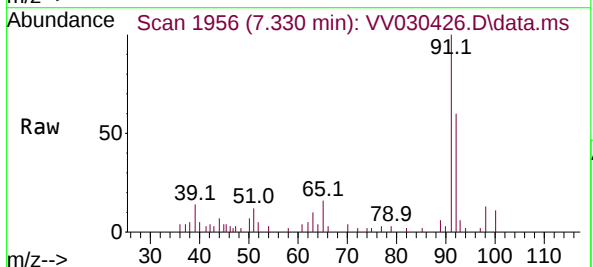
Tgt Ion: 95 Resp: 1378
Ion Ratio Lower Upper
95 100
97 67.9 44.2 82.2
132 110.1 69.5 129.1
130 120.4 72.2 134.0

Manual Integrations
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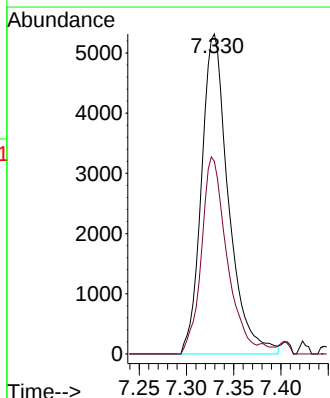
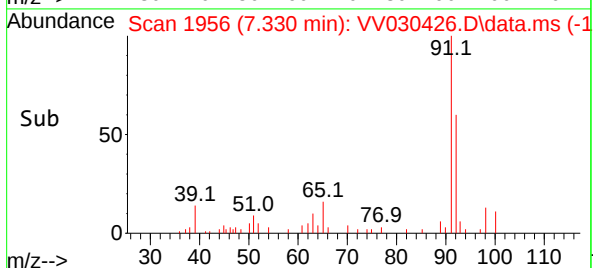
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023

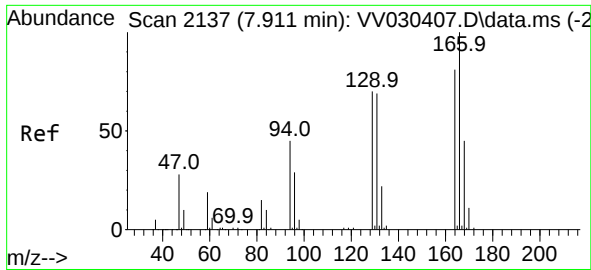


#42
Toluene
Concen: 0.226 ug/L
RT: 7.330 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35



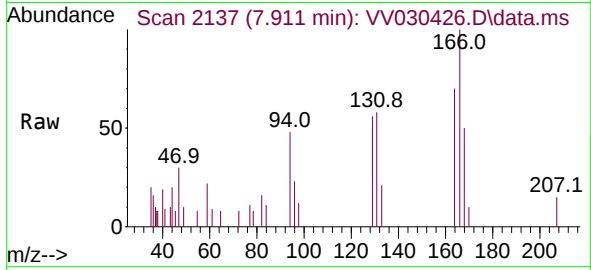
Tgt Ion: 91 Resp: 10550
Ion Ratio Lower Upper
91 100
92 60.1 40.4 75.0





#47
Tetrachloroethene
Concen: 0.155 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV030426.D
Acq: 06 Apr 2023 18:35

Instrument :
MSVOA_V
ClientSampleId :
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Tgt Ion:	164	Resp:	1618
Ion	Ratio	Lower	Upper
164	100		
129	80.3	60.8	112.8
131	83.1	61.7	114.7
166	143.7	85.6	159.0

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023

