

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031723\
 Data File : VW030240.D
 Acq On : 17 Mar 2023 17:02
 Operator : SY/MD
 Sample : 01996-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0A28

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/22/2023
 Supervised By :Mahesh Dadoda 03/22/2023

Quant Time: Mar 17 23:00:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 17 22:49:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	138761	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.796	117	126368	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	63174	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	32121	3.577	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.600%
7) Chloroethane-d5	1.539	69	30085	3.570	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.400%
11) 1,1-Dichloroethene-d2	2.076	63	1186620	64.285	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	1285.600%#
20) 2-Butanone-d5	3.812	46	83935	50.705	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.400%
24) Chloroform-d	4.262	84	83449	4.550	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
26) 1,2-Dichloroethane-d4	4.953	65	36819	4.918	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	4.969	84	130108	3.826	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.600%
36) 1,2-Dichloropropane-d6	5.998	67	40526	3.962	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.200%
41) Toluene-d8	7.252	98	113702	3.528	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.600%
43) trans-1,3-Dichloroprop...	7.564	79	14739	4.211	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.200%
46) 2-Hexanone-d5	8.037	63	68928	47.605	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.220%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	27716	3.808	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.200%
66) 1,2-Dichlorobenzene-d4	11.570	152	44232	4.138	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	28774	1.617	ug/L	93
6) Bromomethane	1.494	94	2042	0.962	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	6250	0.594	ug/L #	43
12) 1,1-Dichloroethene	2.076	96	1945751	208.945	ug/L #	71
16) Methylene chloride	2.455	84	4034	0.355	ug/L	80
18) trans-1,2-Dichloroethene	2.703	96	1237	0.140	ug/L	96
19) 1,1-Dichloroethane	3.121	63	119904	7.266	ug/L	99
22) cis-1,2-Dichloroethene	3.825	96	75758	7.737	ug/L	90
25) Chloroform	4.288	83	296843	17.292	ug/L	98
27) 1,2-Dichloroethane	5.063	62	2290	0.255	ug/L	99
29) 1,1,1-Trichloroethane	4.522	97	572642	38.576	ug/L	97
31) Carbon tetrachloride	4.748	117	15751	1.180	ug/L	97
33) Benzene	5.021	78	33167	0.961	ug/L	100
34) Trichloroethene	5.844	95	5548091	573.713	ug/L	93
45) 1,1,2-Trichloroethane	7.780	97	3807m	0.606	ug/L	
47) Tetrachloroethene	7.940	164	27361232m	3296.191	ug/L	
54) o-Xylene	9.487	106	3184	0.213	ug/L	82
64) 1,3-Dichlorobenzene	11.127	146	29285	1.547	ug/L	98
65) 1,4-Dichlorobenzene	11.220	146	18518	0.970	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.590	146	67031	4.011	ug/L	99

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

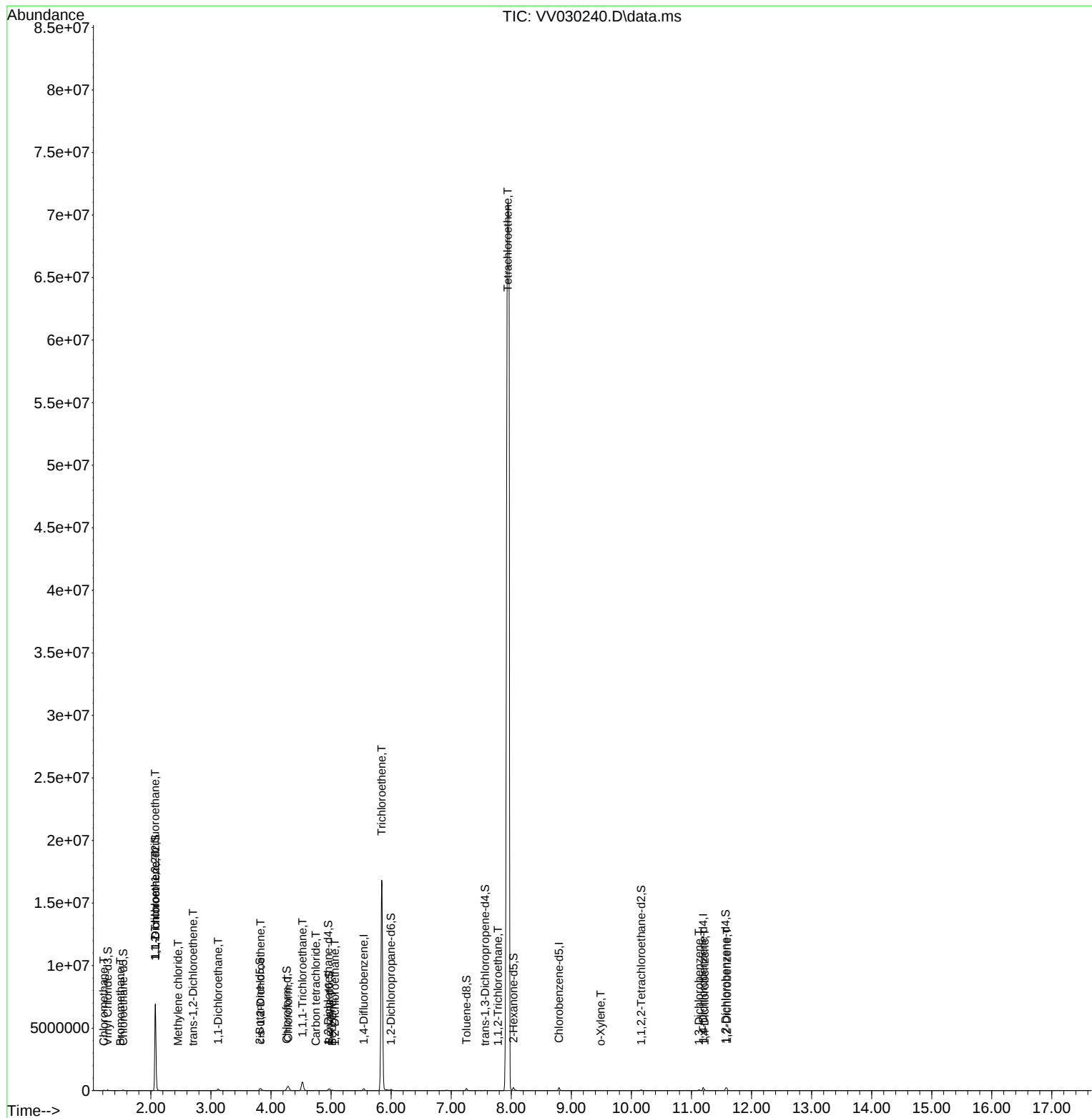
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031723\
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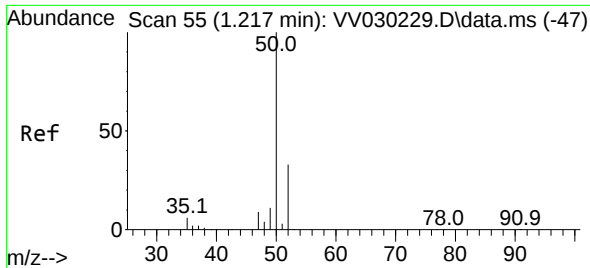
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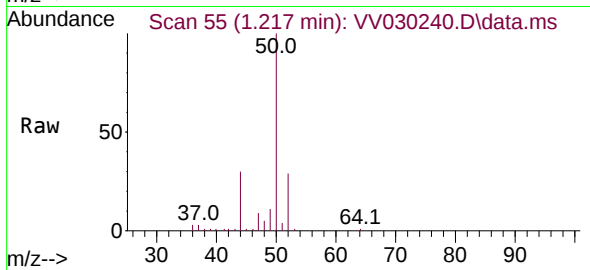
Quant Time: Mar 17 23:00:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
Quant Title : TRACE VOA SFAM1.0
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#3
Chloromethane
Concen: 1.617 ug/L
RT: 1.217 min Scan# 50
Delta R.T. -0.000 min
Lab File: VV030240.D
Acq: 17 Mar 2023 17:02

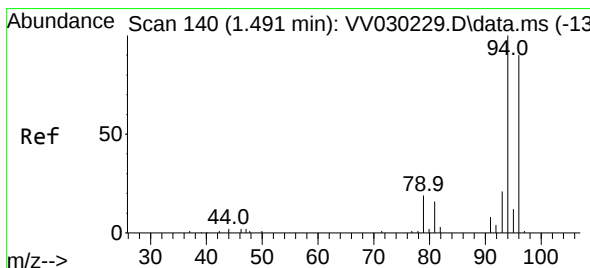
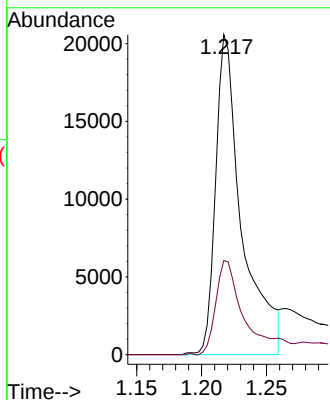
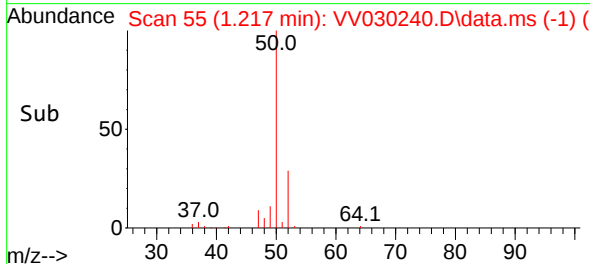
Instrument :
MSVOA_V
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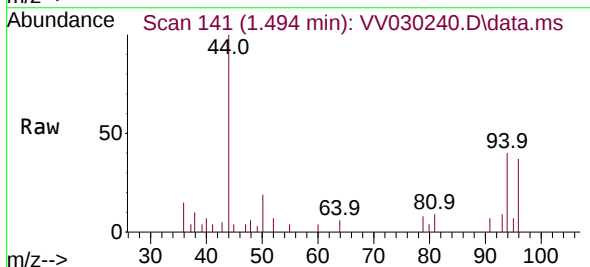
Tgt Ion: 50 Resp: 28774
Ion Ratio Lower Upper
50 100
52 29.4 23.6 43.8

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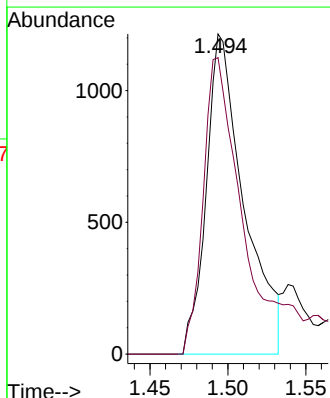
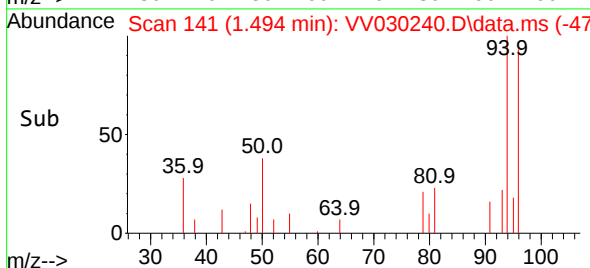
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023

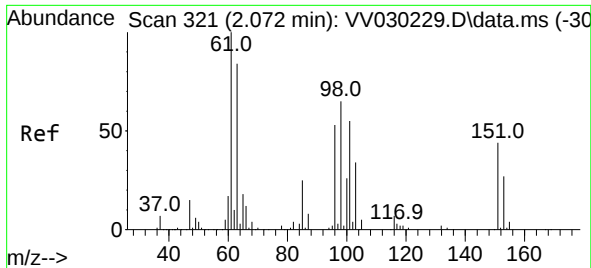


#6
Bromomethane
Concen: 0.962 ug/L
RT: 1.494 min Scan# 141
Delta R.T. 0.003 min
Lab File: VV030240.D
Acq: 17 Mar 2023 17:02



Tgt Ion: 94 Resp: 2042
Ion Ratio Lower Upper
94 100
96 92.6 68.4 127.0





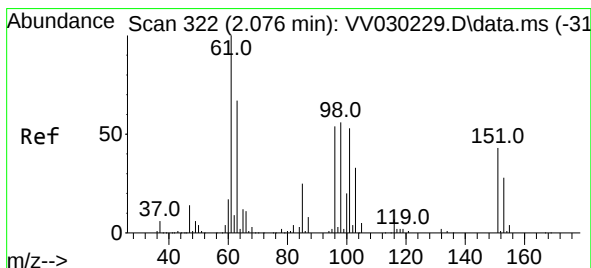
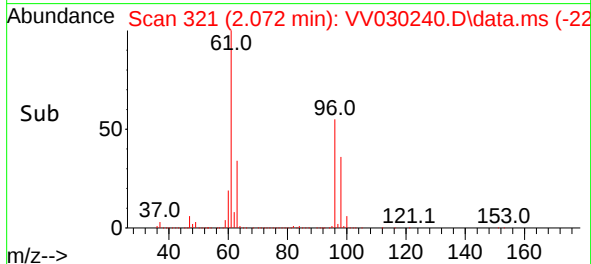
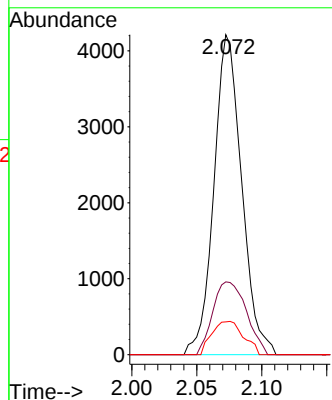
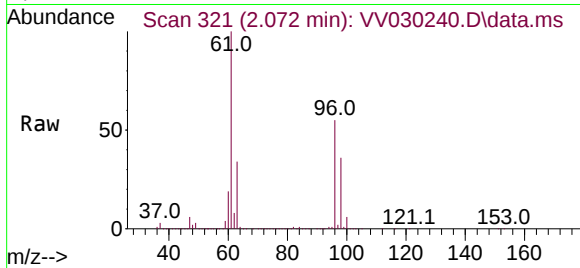
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.594 ug/L
RT: 2.072 min Scan# 321
Delta R.T. -0.000 min
Lab File: VV030240.D
Acq: 17 Mar 2023 17:02

Instrument :
MSVOA_V
ClientSampleId :
H0A28

Tgt Ion:101 Resp: 6250
Ion Ratio Lower Upper
101 100
85 27.6 33.5 50.3
151 11.9 61.6 92.4

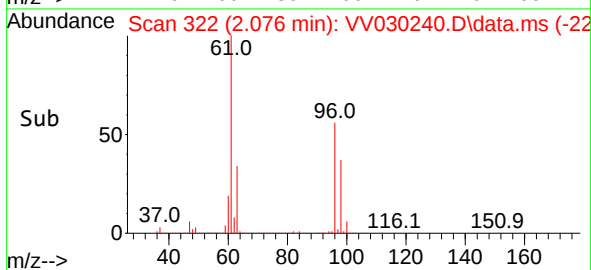
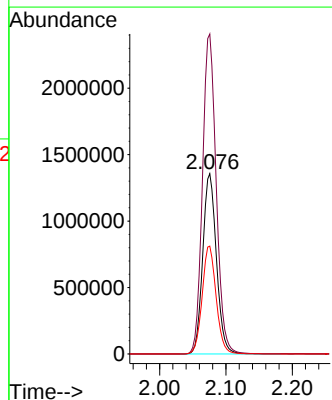
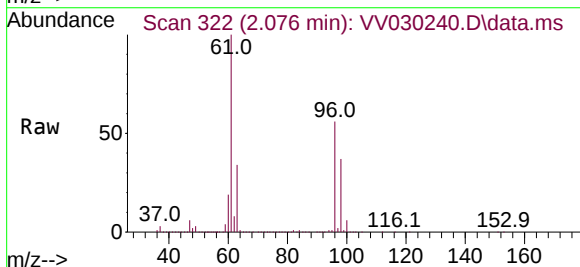
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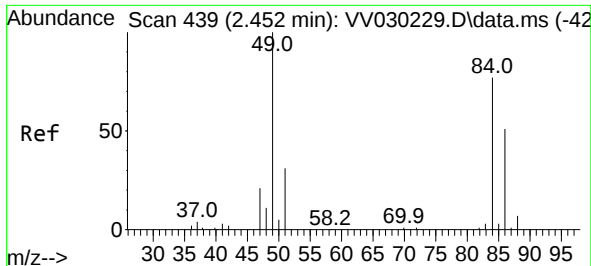
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#12
1,1-Dichloroethene
Concen: 208.945 ug/L
RT: 2.076 min Scan# 322
Delta R.T. -0.000 min
Lab File: VV030240.D
Acq: 17 Mar 2023 17:02

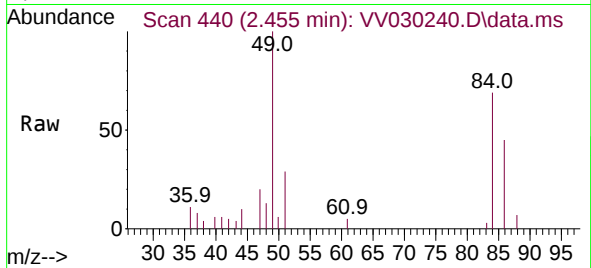
Tgt Ion: 96 Resp: 1945751
Ion Ratio Lower Upper
96 100
61 177.5 115.6 214.6
63 59.8 85.6 159.0





#16
Methylene chloride
Concen: 0.355 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030240.D
Acq: 17 Mar 2023 17:02

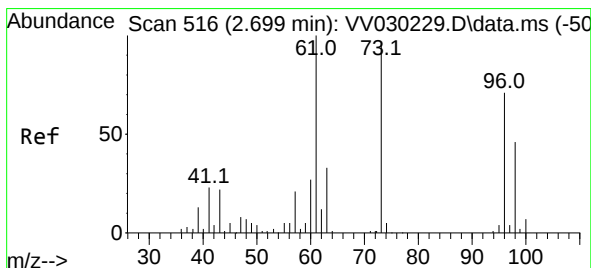
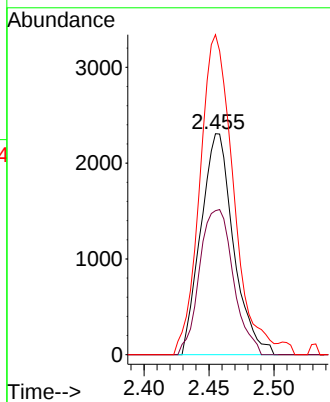
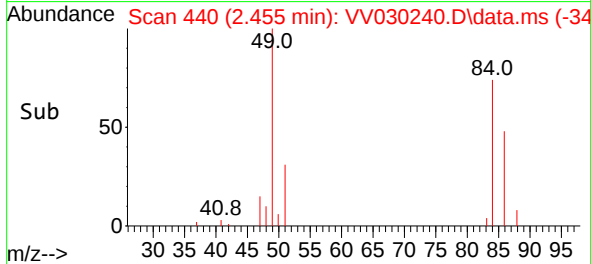
Instrument :
MSVOA_V
ClientSampleId :
H0A28



Tgt Ion: 84 Resp: 4034
Ion Ratio Lower Upper
84 100
86 65.2 44.7 83.1
49 144.8 78.8 146.3

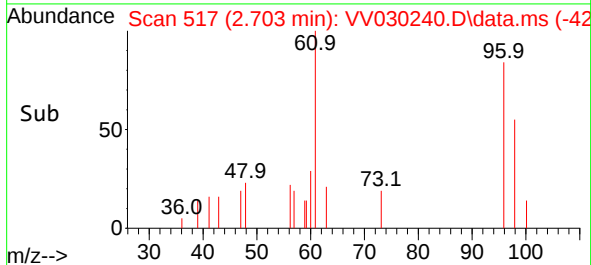
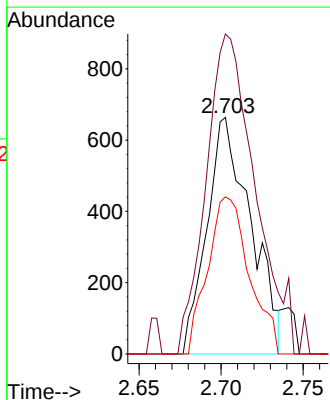
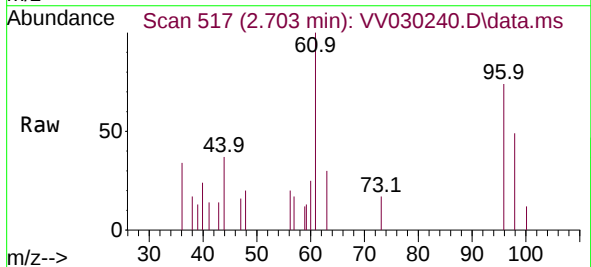
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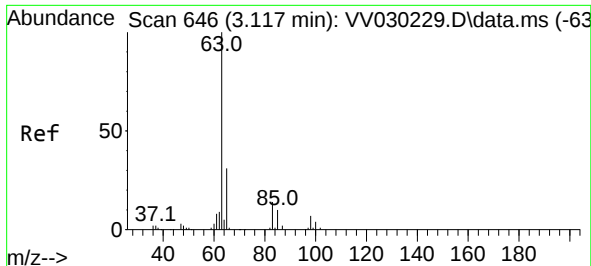
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#18
trans-1,2-Dichloroethene
Concen: 0.140 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030240.D
Acq: 17 Mar 2023 17:02

Tgt Ion: 96 Resp: 1237
Ion Ratio Lower Upper
96 100
61 135.2 91.0 169.0
98 66.4 45.2 84.0





#19

1,1-Dichloroethane

Concen: 7.266 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030240.D

Acq: 17 Mar 2023 17:02

Instrument :

MSVOA_V

ClientSampleId :

H0A28

Tgt Ion: 63 Resp: 119904

Ion Ratio Lower Upper

63 100

65 33.0 23.0 42.8

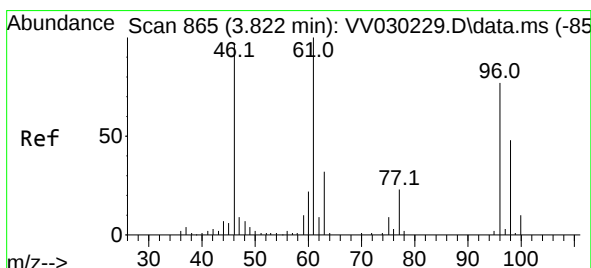
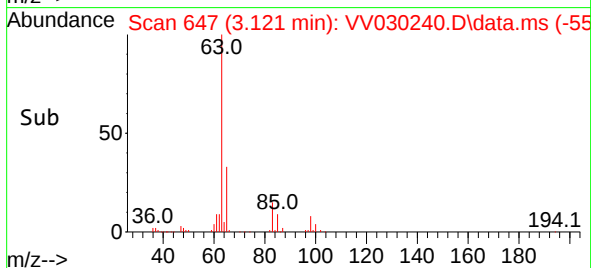
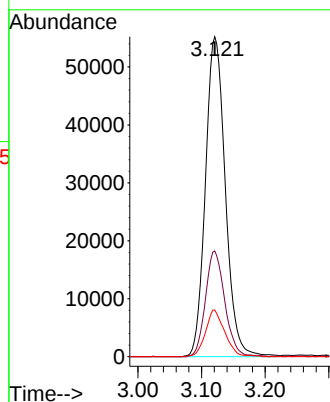
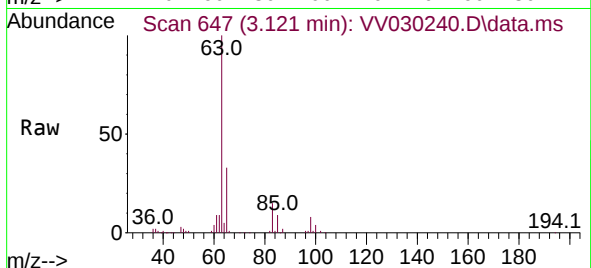
83 14.6 9.6 17.8

Manual Integrations

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Supervised By :Mahesh Dadoda 03/22/2023



#22

cis-1,2-Dichloroethene

Concen: 7.737 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.003 min

Lab File: VV030240.D

Acq: 17 Mar 2023 17:02

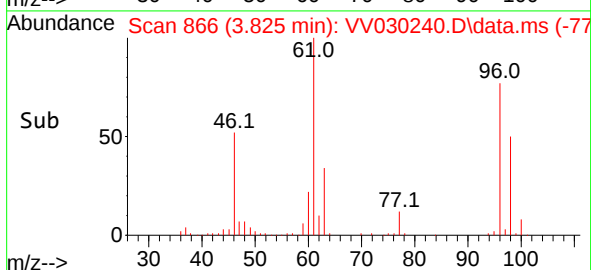
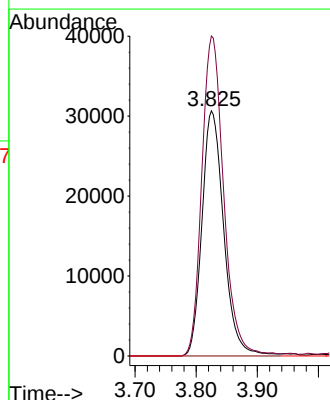
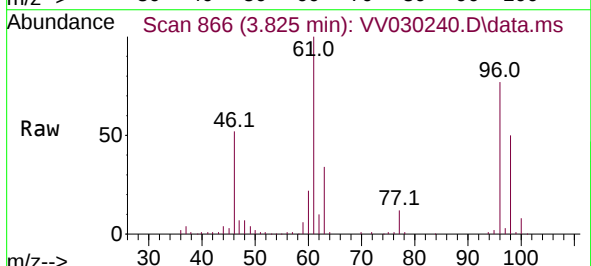
Tgt Ion: 96 Resp: 75758

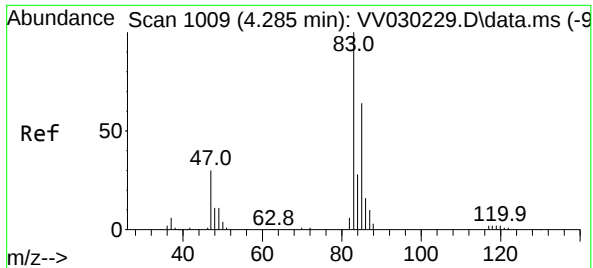
Ion Ratio Lower Upper

96 100

61 130.6 83.4 154.8

68 0.0 0.0 0.0





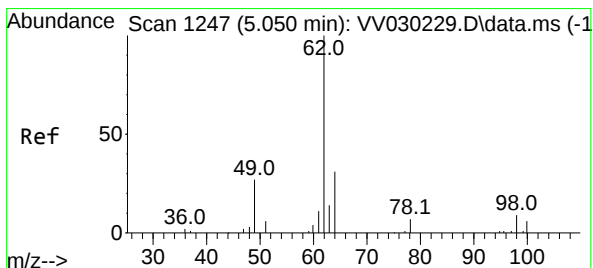
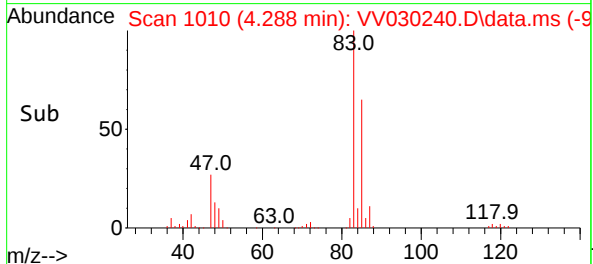
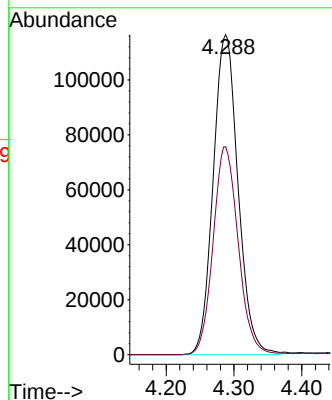
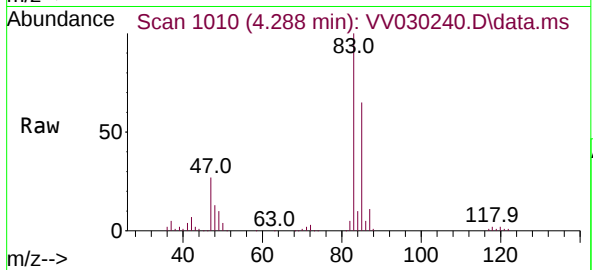
#25
Chloroform
Concen: 17.292 ug/L
RT: 4.288 min Scan# 1009
Delta R.T. 0.003 min
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Tgt Ion: 83 Resp: 29684
Ion Ratio Lower Upper
83 100
85 65.0 46.5 86.5

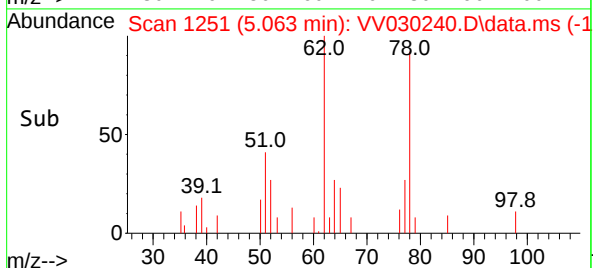
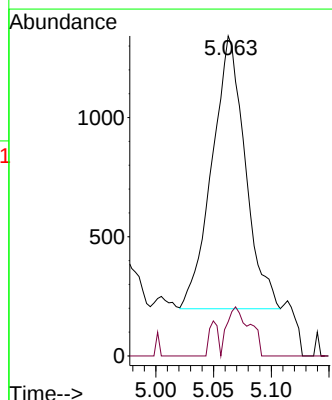
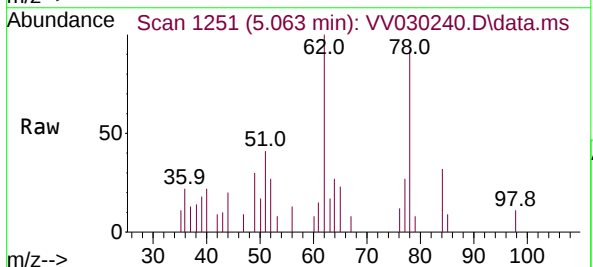
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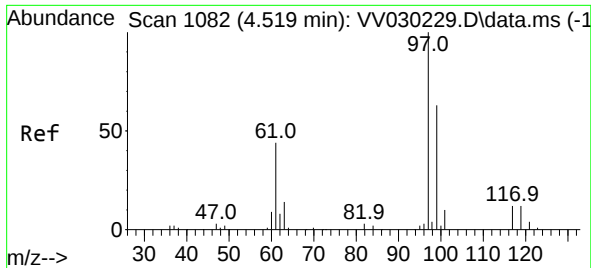
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#27
1,2-Dichloroethane
Concen: 0.255 ug/L
RT: 5.063 min Scan# 1251
Delta R.T. 0.013 min
Lab File: VV030240.D
Acq: 17 Mar 2023 17:02

Tgt Ion: 62 Resp: 2290
Ion Ratio Lower Upper
62 100
98 10.7 9.0 13.4





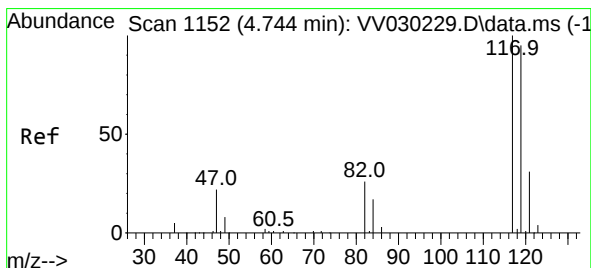
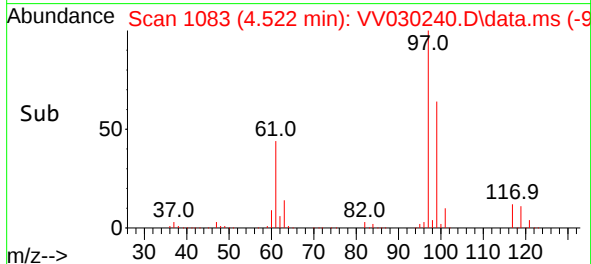
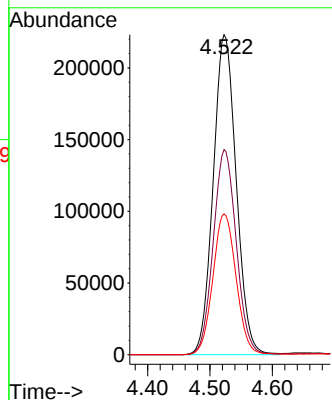
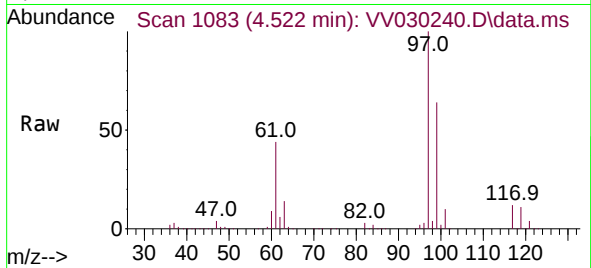
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1,1,1-Trichloroethane
Concen: 38.576 ug/L
RT: 4.522 min Scan# 1082
Delta R.T. 0.003 min
Lab File: VV030240.D
Acq: 17 Mar 2023 17:02

Instrument :
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Tgt Ion: 97 Resp: 57264
Ion Ratio Lower Upper
97 100
99 64.2 51.3 76.9
61 44.5 31.5 47.3

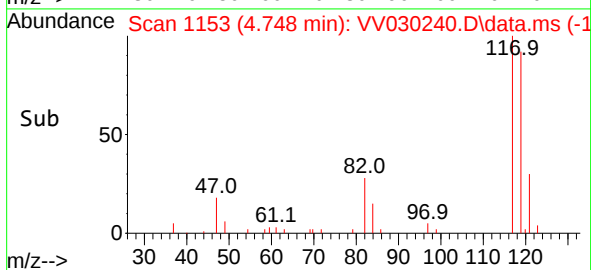
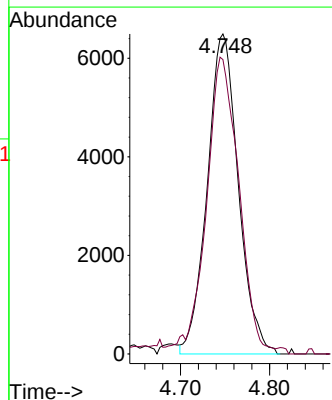
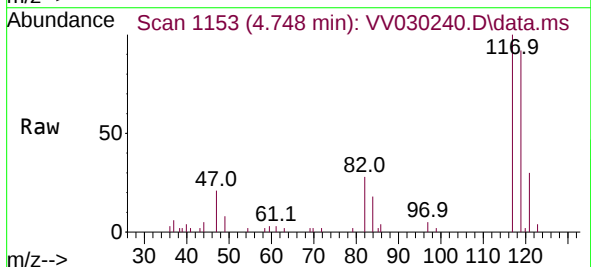
Manual Integrations
APPROVED

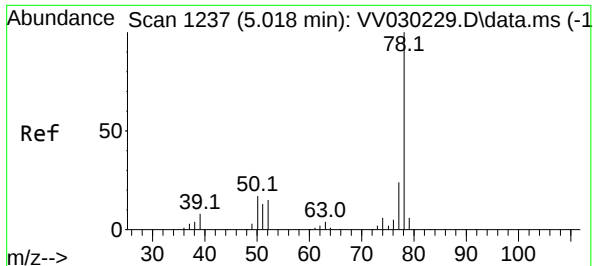
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#31
Carbon tetrachloride
Concen: 1.180 ug/L
RT: 4.748 min Scan# 1153
Delta R.T. 0.003 min
Lab File: VV030240.D
Acq: 17 Mar 2023 17:02

Tgt Ion:117 Resp: 15751
Ion Ratio Lower Upper
117 100
119 91.9 76.1 114.1





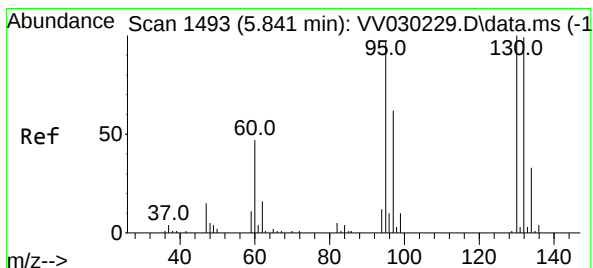
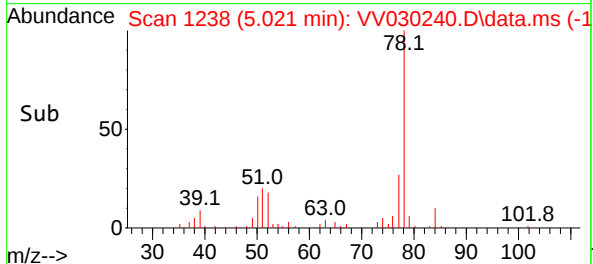
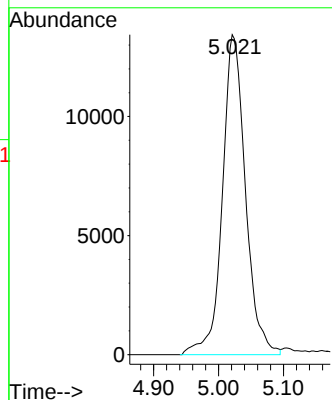
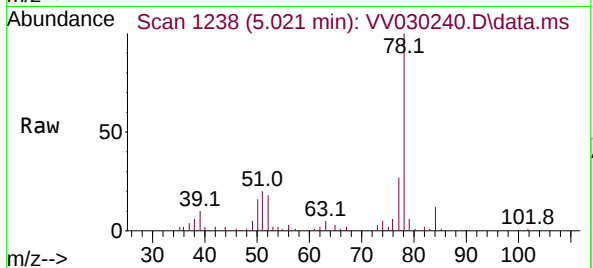
#33
Benzene
Concen: 0.961 ug/L
RT: 5.021 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV030240.D
Acq: 17 Mar 2023 17:02

Instrument :
MSVOA_V
ClientSampleId :
H0A28

Tgt Ion: 78 Resp: 3316

Manual Integrations
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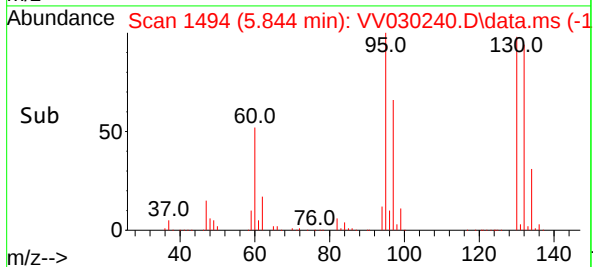
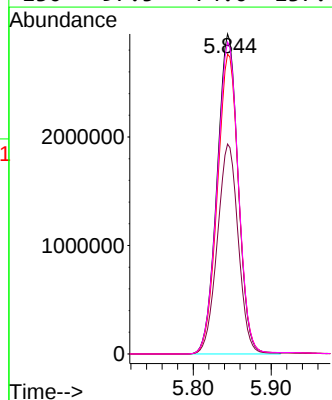
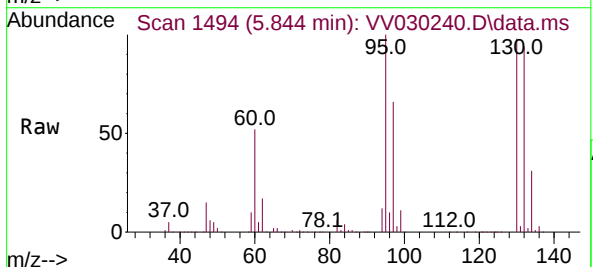
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023

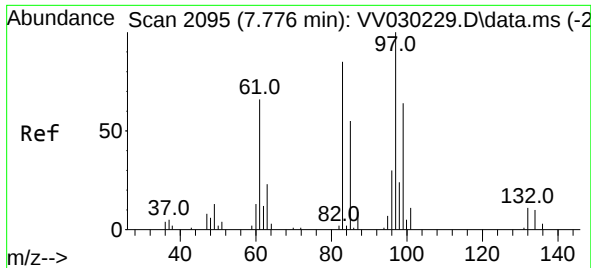


#34
Trichloroethene
Concen: 573.713 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. 0.003 min
Lab File: VV030240.D
Acq: 17 Mar 2023 17:02

Tgt Ion: 95 Resp: 5548091

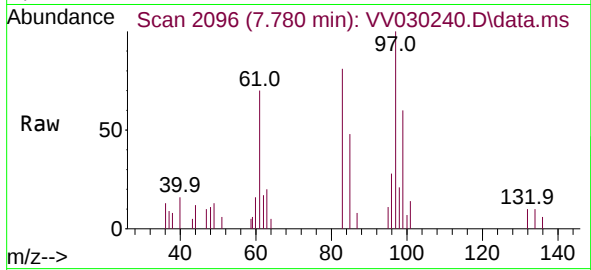
Ion	Ratio	Lower	Upper
95	100		
97	65.6	46.5	86.5
132	93.7	71.7	133.3
130	97.5	74.0	137.4





#45
1,1,2-Trichloroethane
Concen: 0.606 ug/L m
RT: 7.780 min Scan# 2095
Delta R.T. 0.003 min
Lab File: VV030240.D
Acq: 17 Mar 2023 17:02

Instrument :
MSVOA_V
ClientSampleId :
H0A28

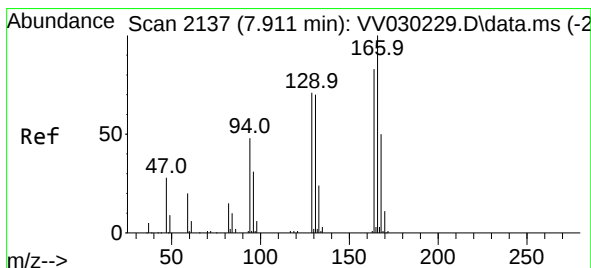
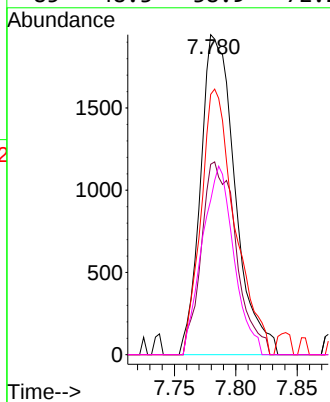
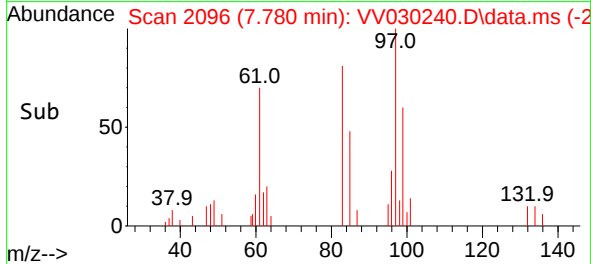


Tgt Ion: 97 Resp: 380

Ion	Ratio	Lower	Upper
97	100		
99	59.5	42.6	79.2
83	81.3	57.7	107.3
85	48.3	38.9	72.2

Manual Integrations
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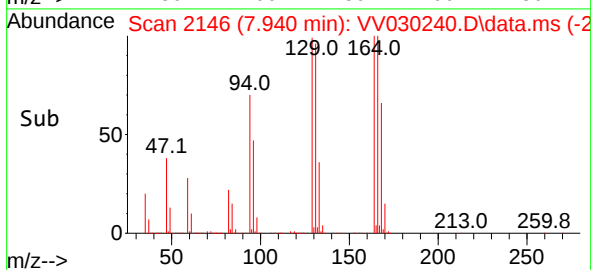
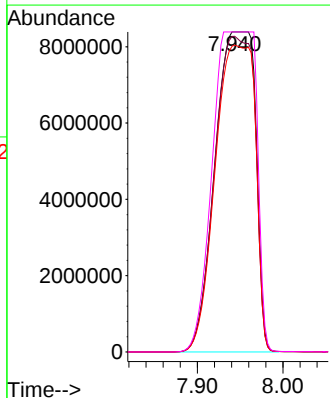
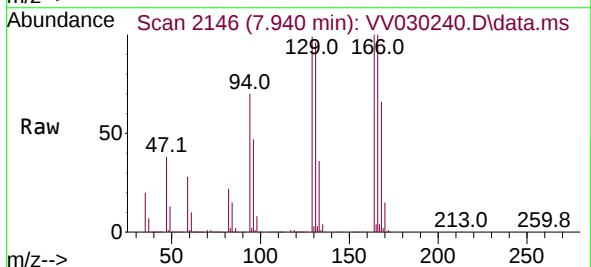
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023

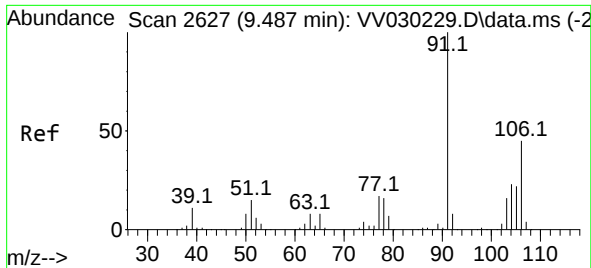


#47
Tetrachloroethene
Concen: 3296.191 ug/L m
RT: 7.940 min Scan# 2146
Delta R.T. 0.029 min
Lab File: VV030240.D
Acq: 17 Mar 2023 17:02

Tgt Ion:164 Resp:27361232

Ion	Ratio	Lower	Upper
164	100		
129	98.6	63.6	118.2
131	95.5	61.7	114.7
166	100.0	90.8	168.6





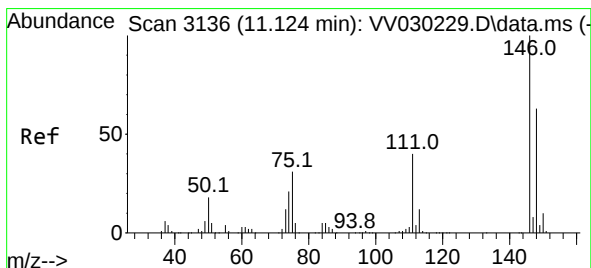
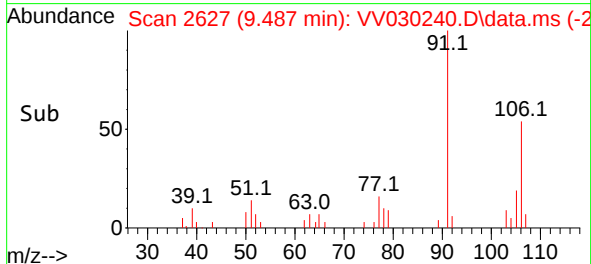
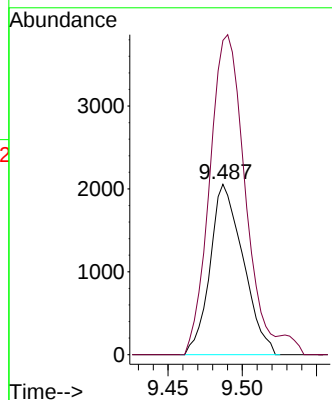
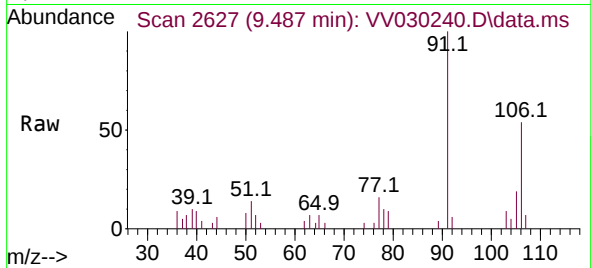
#54
o-Xylene
Concen: 0.213 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030240.D
Acq: 17 Mar 2023 17:02

Instrument : MSVOA_V
ClientSampleId : H0A28

Tgt Ion:106 Resp: 3184
Ion Ratio Lower Upper
106 100
91 184.4 148.8 276.4

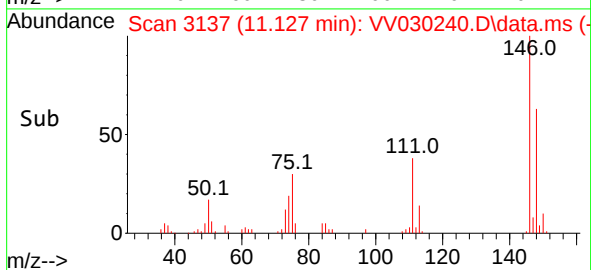
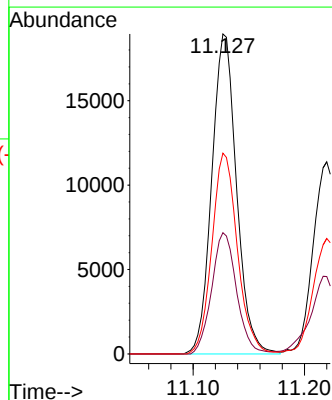
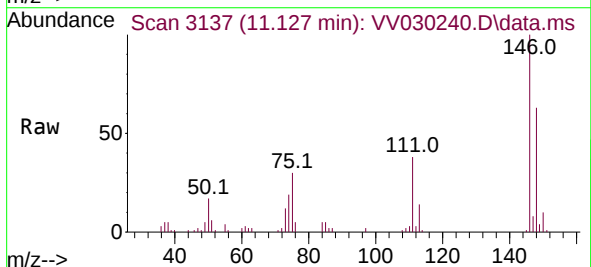
Manual Integrations
APPROVED

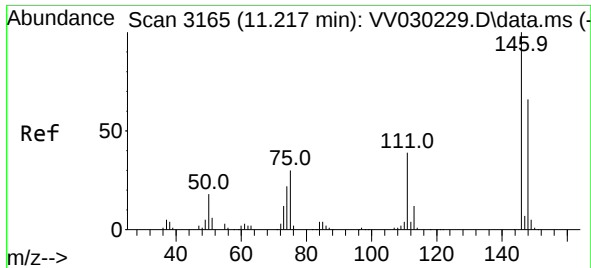
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#64
1,3-Dichlorobenzene
Concen: 1.547 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.003 min
Lab File: VV030240.D
Acq: 17 Mar 2023 17:02

Tgt Ion:146 Resp: 29285
Ion Ratio Lower Upper
146 100
111 37.9 27.7 51.5
148 62.8 44.5 82.7





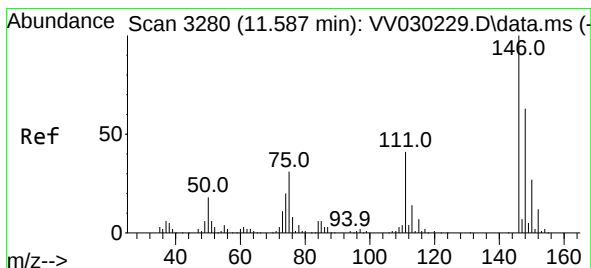
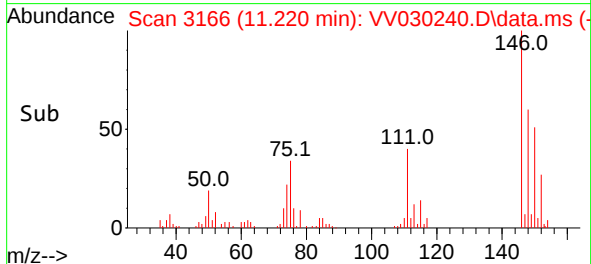
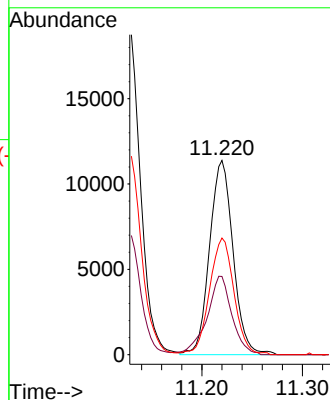
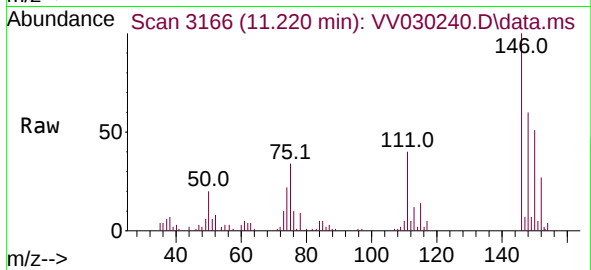
#65
1,4-Dichlorobenzene
Concen: 0.970 ug/L
RT: 11.220 min Scan# 3166
Delta R.T. 0.003 min
Lab File: VV030240.D
Acq: 17 Mar 2023 17:02

Instrument :
MSVOA_V
ClientSampleId :
H0A28

Tgt Ion:146 Resp: 18518
Ion Ratio Lower Upper
146 100
111 40.3 27.4 51.0
148 60.1 44.1 81.9

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#67
1,2-Dichlorobenzene
Concen: 4.011 ug/L
RT: 11.590 min Scan# 3281
Delta R.T. 0.003 min
Lab File: VV030240.D
Acq: 17 Mar 2023 17:02

Tgt Ion:146 Resp: 67031
Ion Ratio Lower Upper
146 100
111 42.4 33.5 50.3
148 65.3 51.3 76.9

