

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031723\
 Data File : VW030239.D
 Acq On : 17 Mar 2023 16:37
 Operator : SY/MD
 Sample : 01996-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0A27

Manual Integrations
 APPROVED

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

Quant Time: Mar 17 22:59:42 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	137312	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.796	117	123226	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	63386	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	34928	3.931	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.600%
7) Chloroethane-d5	1.539	69	32671	3.917	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.400%
11) 1,1-Dichloroethene-d2	2.072	63	1784171	97.677	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	1953.600%#
20) 2-Butanone-d5	3.812	46	85208	52.017	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.040%
24) Chloroform-d	4.262	84	96295	5.306	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.200%
26) 1,2-Dichloroethane-d4	4.953	65	38325	5.173	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.400%
32) Benzene-d6	4.969	84	136709	4.123	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
36) 1,2-Dichloropropane-d6	5.998	67	43489	4.360	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.200%
41) Toluene-d8	7.252	98	119474	3.801	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.000%
43) trans-1,3-Dichloroprop...	7.564	79	15368	4.503	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.037	63	72510	51.356	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.720%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	29072	4.097	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.000%
66) 1,2-Dichlorobenzene-d4	11.570	152	46118	4.300	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.000%
Target Compounds						Qvalue
3) Chloromethane	1.217	50	38852	2.207	ug/L	96
6) Bromomethane	1.497	94	2153	1.025	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	9439	0.907	ug/L #	44
12) 1,1-Dichloroethene	2.076	96	2922854	317.184	ug/L #	72
16) Methylene chloride	2.455	84	6453	0.573	ug/L	92
18) trans-1,2-Dichloroethene	2.699	96	1728	0.197	ug/L	90
19) 1,1-Dichloroethane	3.121	63	187722	11.496	ug/L	99
22) cis-1,2-Dichloroethene	3.825	96	88822	9.167	ug/L	86
25) Chloroform	4.288	83	464135	27.322	ug/L	96
27) 1,2-Dichloroethane	5.059	62	4830	0.544	ug/L	97
29) 1,1,1-Trichloroethane	4.522	97	685694	47.369	ug/L	96
31) Carbon tetrachloride	4.748	117	12511	0.962	ug/L	100
33) Benzene	5.021	78	41961	1.247	ug/L	100
34) Trichloroethene	5.847	95	6634637	703.563	ug/L	94
45) 1,1,2-Trichloroethane	7.786	97	4426m	0.722	ug/L	
47) Tetrachloroethene	7.944	164	27734531m	3426.355	ug/L	
54) o-Xylene	9.490	106	7559	0.519	ug/L	95
64) 1,3-Dichlorobenzene	11.127	146	34994	1.843	ug/L	99
65) 1,4-Dichlorobenzene	11.220	146	40453	2.111	ug/L	97

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 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)
-----	-----	-----	-----	-----	-----	-----
67) 1,2-Dichlorobenzene	11.590	146	108020	6.442	ug/L	100
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

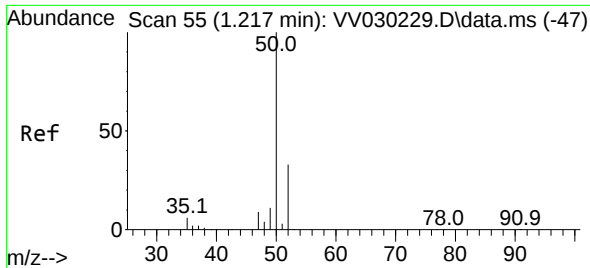
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023

Abundance

TIC: VV030239.D\data.ms

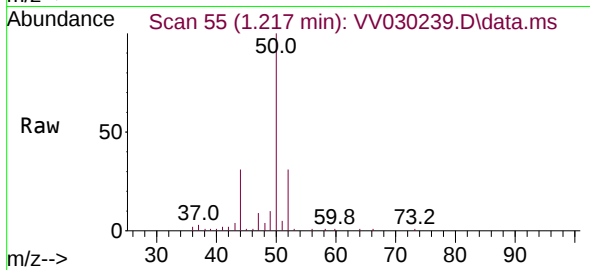
Time-->

Chloroethane-d3, S
Chloroethane-d5, S
1,1-Dichloroethane-d2, S
Methylene chloride, T
trans-1,2-Dichloroethene, T
1,1-Dichloroethane, T
2,3,4-Trichlorobutene, T
Chloroform, d, S
1,1,1-Trichloroethane, T
Carbon tetrachloride, T
1,1,2-Trichloroethane, d4, S
1,1,2-Trichloroethane, T
1,4-Difluorobenzene, I
1,2-Dichloropropane-d6, S
Toluene-d8, S
trans-1,3-Dichloropropene-d4, S
1,1,2-Trichloroethane, T
2-Hexanone-d5, S
Chlorobenzene-d5, I
o-Xylene, T
1,1,2,2-Tetrachloroethane-d2, S
1,2-Dichlorobenzene, T, I
1,2-Dichlorobenzene, T, I
1,2-Dichlorobenzene-d4, S



#3
Chloromethane
Concen: 2.207 ug/L
RT: 1.217 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV030239.D
Acq: 17 Mar 2023 16:37

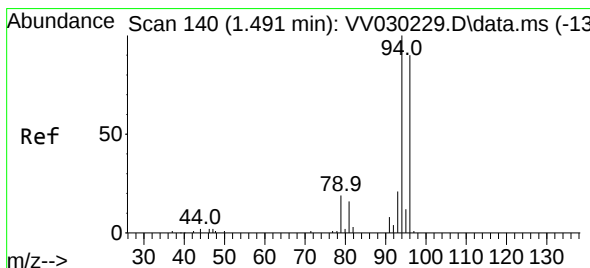
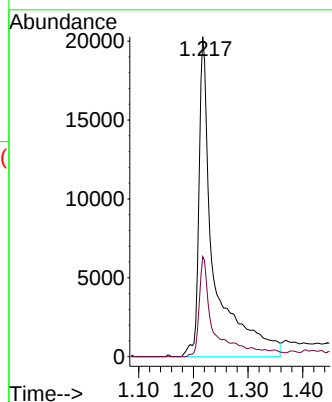
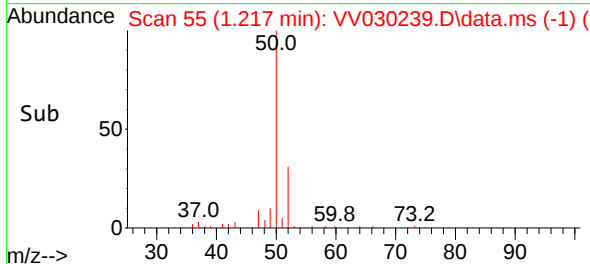
Instrument :
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H0A27



Tgt Ion: 50 Resp: 3885
Ion Ratio Lower Upper
50 100
52 31.3 23.6 43.8

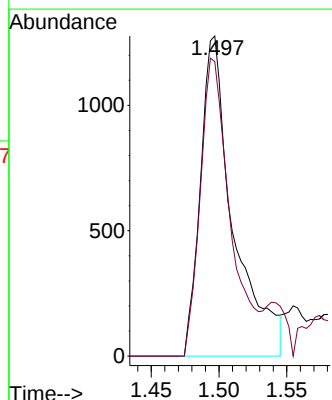
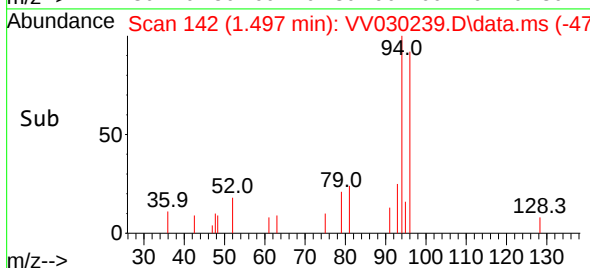
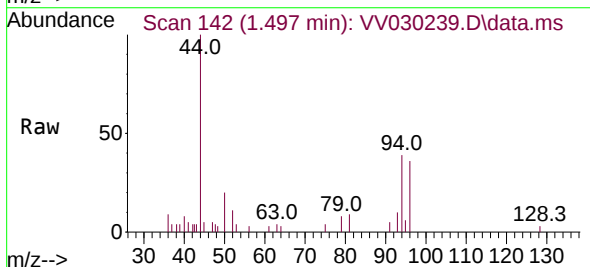
Manual Integrations
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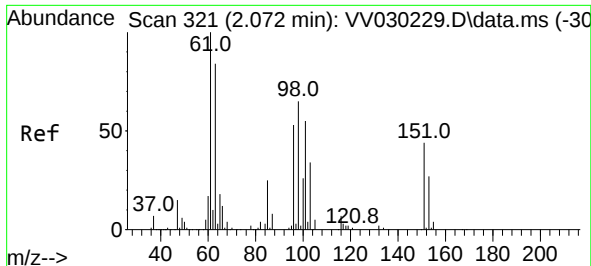
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#6
Bromomethane
Concen: 1.025 ug/L
RT: 1.497 min Scan# 142
Delta R.T. 0.006 min
Lab File: VV030239.D
Acq: 17 Mar 2023 16:37

Tgt Ion: 94 Resp: 2153
Ion Ratio Lower Upper
94 100
96 92.0 68.4 127.0





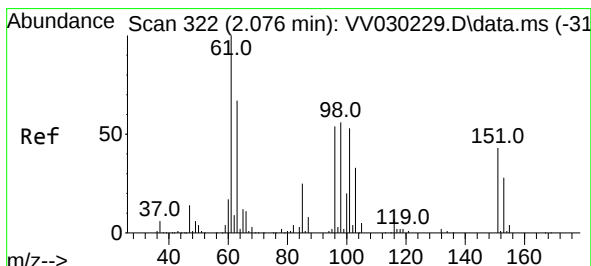
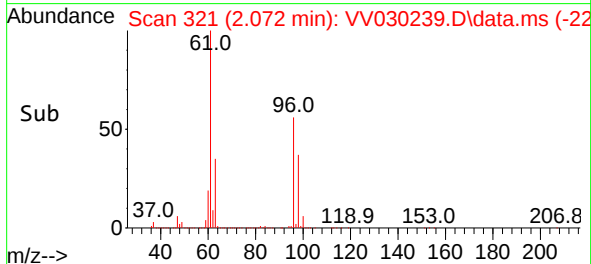
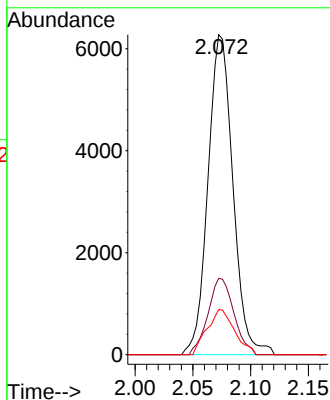
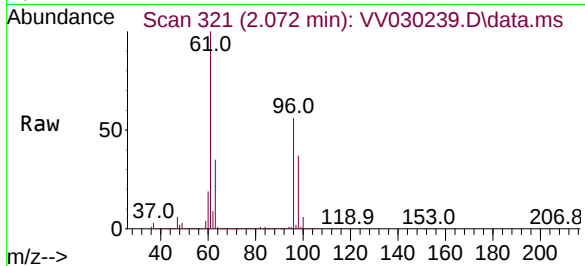
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.907 ug/L
RT: 2.072 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV030239.D
Acq: 17 Mar 2023 16:37

Instrument :
MSVOA_V
ClientSampleId :
H0A27

Tgt Ion:101 Resp: 9439
Ion Ratio Lower Upper
101 100
85 24.7 33.5 50.3
151 15.4 61.6 92.4

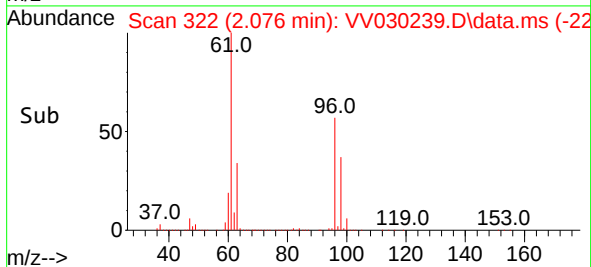
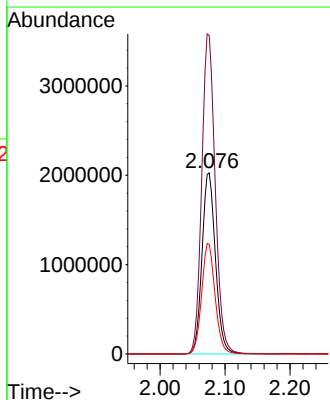
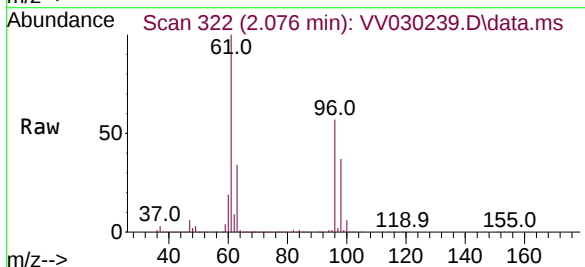
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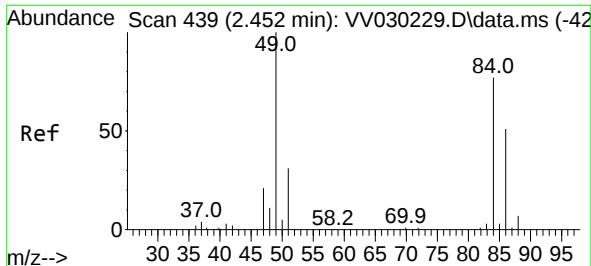
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#12
1,1-Dichloroethene
Concen: 317.184 ug/L
RT: 2.076 min Scan# 322
Delta R.T. -0.000 min
Lab File: VV030239.D
Acq: 17 Mar 2023 16:37

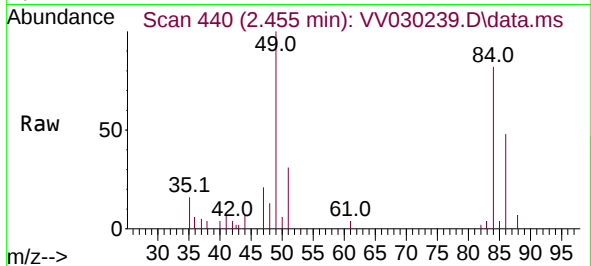
Tgt Ion: 96 Resp: 2922854
Ion Ratio Lower Upper
96 100
61 175.8 115.6 214.6
63 60.5 85.6 159.0





#16
Methylene chloride
Concen: 0.573 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030239.D
Acq: 17 Mar 2023 16:37

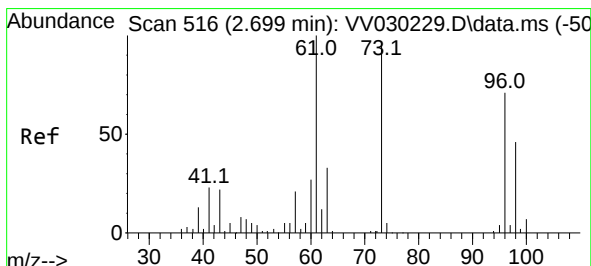
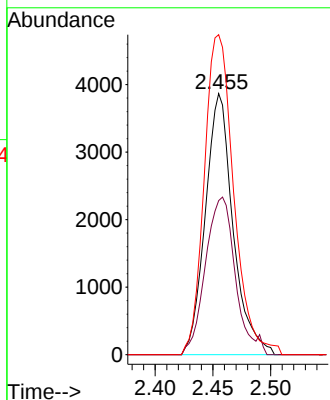
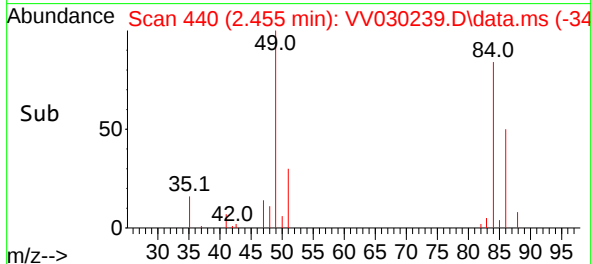
Instrument :
MSVOA_V
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H0A27



Tgt Ion: 84 Resp: 645
Ion Ratio Lower Upper
84 100
86 59.0 44.7 83.1
49 122.5 78.8 146.3

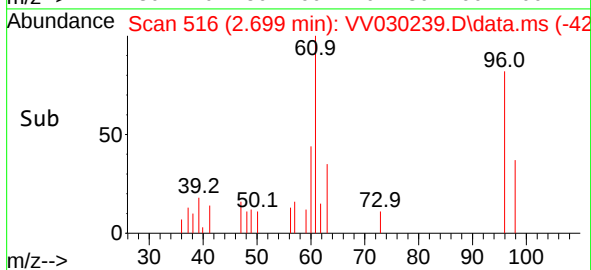
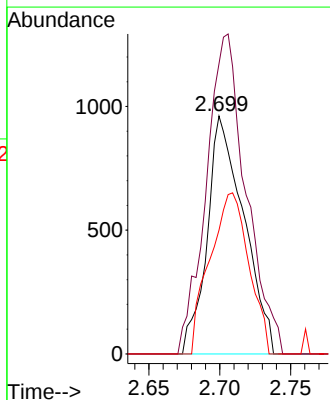
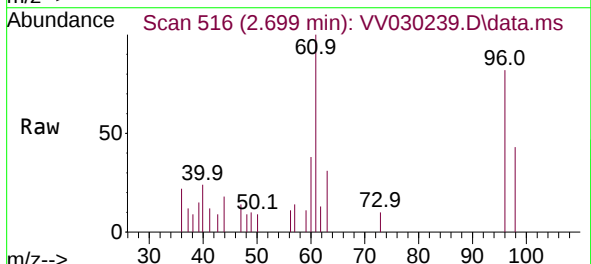
Manual Integrations
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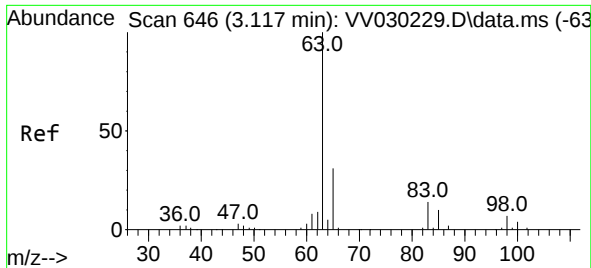
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#18
trans-1,2-Dichloroethene
Concen: 0.197 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV030239.D
Acq: 17 Mar 2023 16:37

Tgt Ion: 96 Resp: 1728
Ion Ratio Lower Upper
96 100
61 122.1 91.0 169.0
98 52.0 45.2 84.0





#19

1,1-Dichloroethane

Concen: 11.496 ug/L

RT: 3.121 min Scan# 646

Delta R.T. 0.003 min

Lab File: VV030239.D

Acq: 17 Mar 2023 16:37

Instrument :

MSVOA_V

ClientSampleId :

H0A27

Tgt Ion: 63 Resp: 18772

Ion Ratio Lower Upper

63 100

65 32.3 23.0 42.8

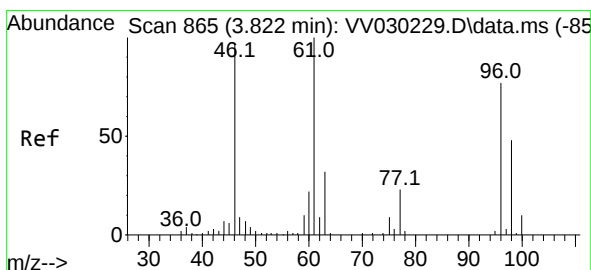
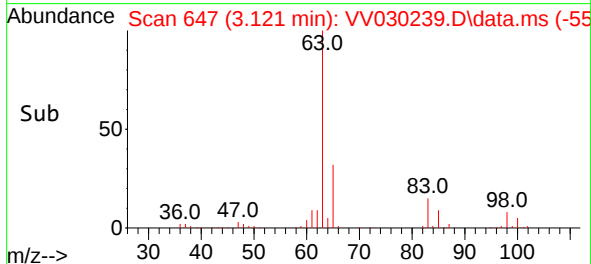
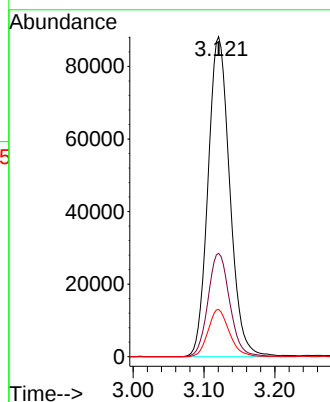
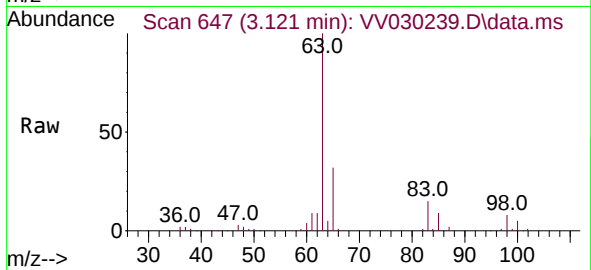
83 14.8 9.6 17.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 03/22/2023

Supervised By :Mahesh Dadoda 03/22/2023



#22

cis-1,2-Dichloroethene

Concen: 9.167 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.003 min

Lab File: VV030239.D

Acq: 17 Mar 2023 16:37

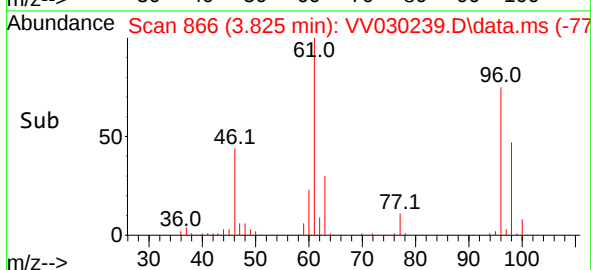
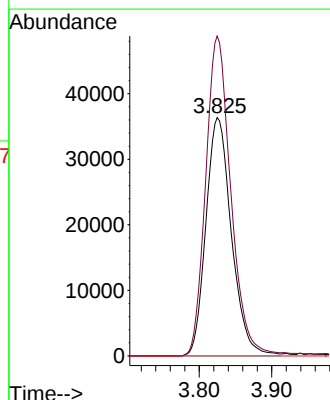
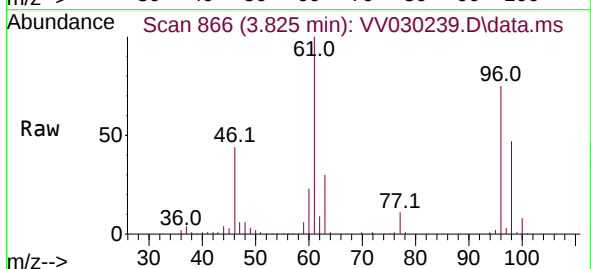
Tgt Ion: 96 Resp: 88822

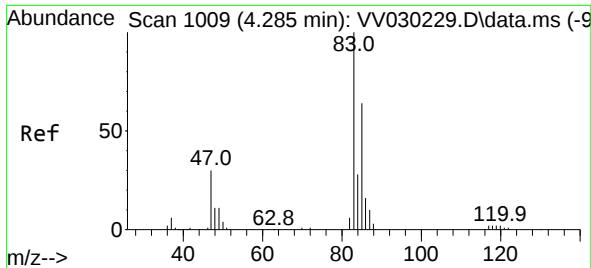
Ion Ratio Lower Upper

96 100

61 134.2 83.4 154.8

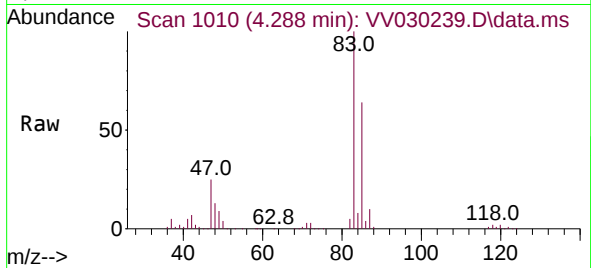
68 0.0 0.0 0.0





#25
Chloroform
Concen: 27.322 ug/L
RT: 4.288 min Scan# 1009
Delta R.T. 0.003 min
Lab File: VV030239.D
Acq: 17 Mar 2023 16:37

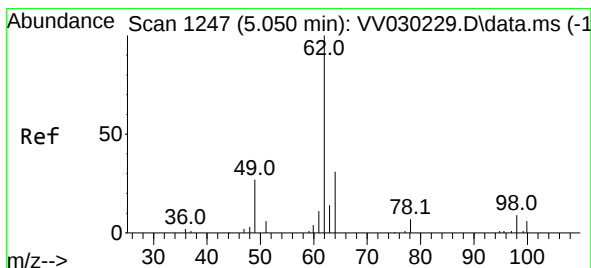
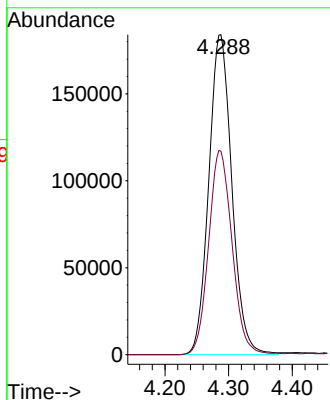
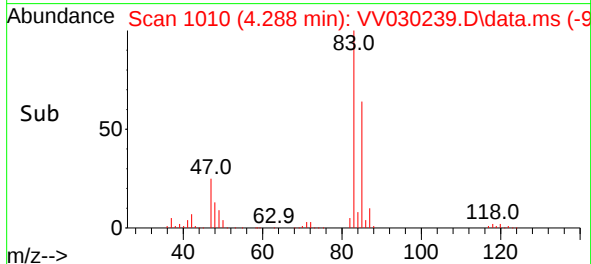
Instrument :
MSVOA_V
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Tgt Ion: 83 Resp: 46413
Ion Ratio Lower Upper
83 100
85 63.6 46.5 86.5

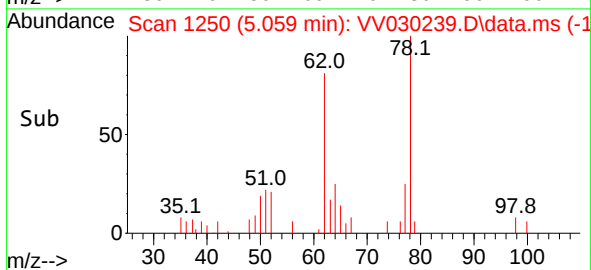
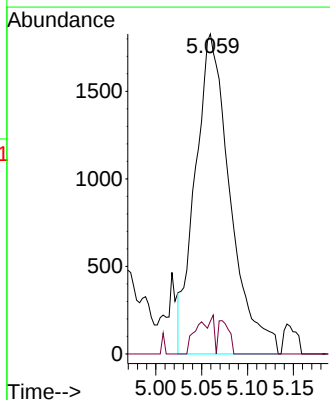
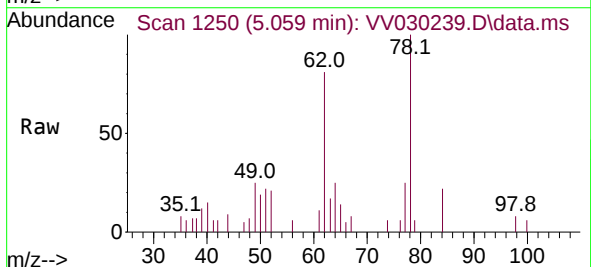
Manual Integrations
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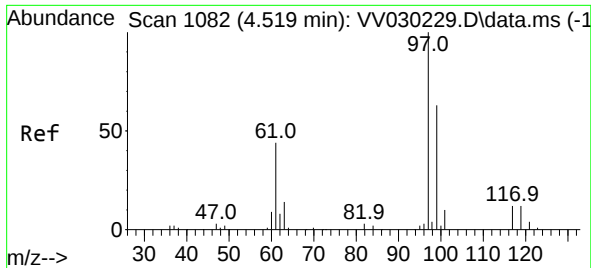
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#27
1,2-Dichloroethane
Concen: 0.544 ug/L
RT: 5.059 min Scan# 1250
Delta R.T. 0.010 min
Lab File: VV030239.D
Acq: 17 Mar 2023 16:37

Tgt Ion: 62 Resp: 4830
Ion Ratio Lower Upper
62 100
98 10.2 9.0 13.4





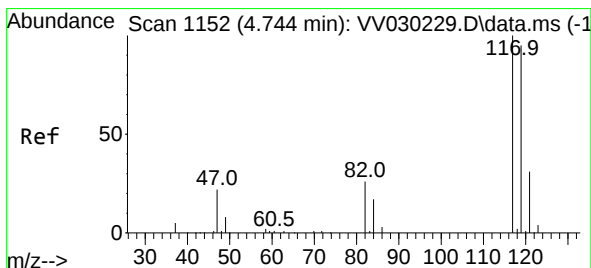
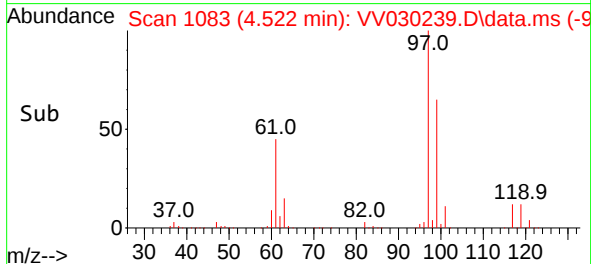
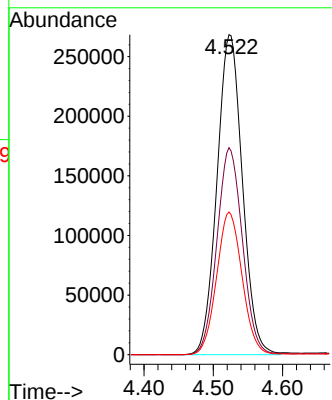
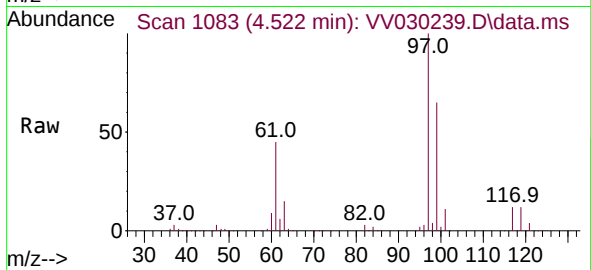
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1,1,1-Trichloroethane
Concen: 47.369 ug/L
RT: 4.522 min Scan# 1082
Delta R.T. 0.003 min
Lab File: VV030239.D
Acq: 17 Mar 2023 16:37

Instrument :
MSVOA_V
ClientSampleId :
H0A27

Tgt Ion: 97 Resp: 685694
Ion Ratio Lower Upper
97 100
99 64.9 51.3 76.9
61 44.7 31.5 47.3

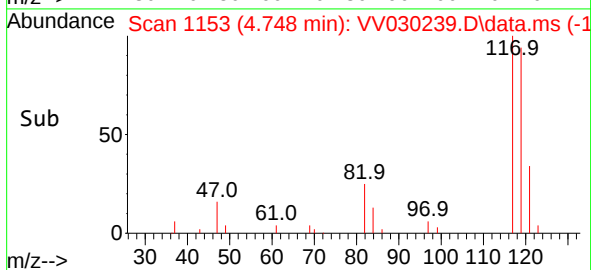
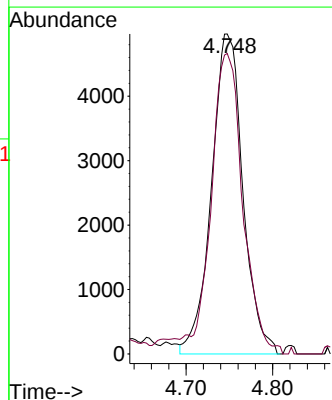
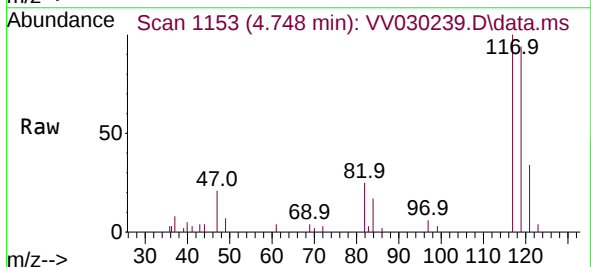
Manual Integrations
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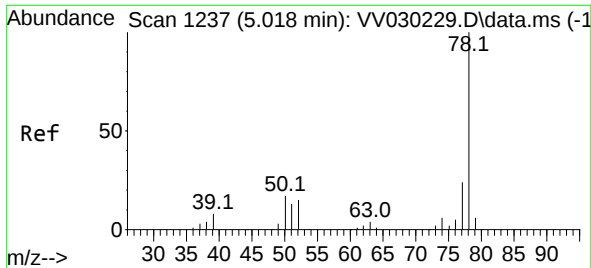
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#31
Carbon tetrachloride
Concen: 0.962 ug/L
RT: 4.748 min Scan# 1153
Delta R.T. 0.003 min
Lab File: VV030239.D
Acq: 17 Mar 2023 16:37

Tgt Ion:117 Resp: 12511
Ion Ratio Lower Upper
117 100
119 94.8 76.1 114.1





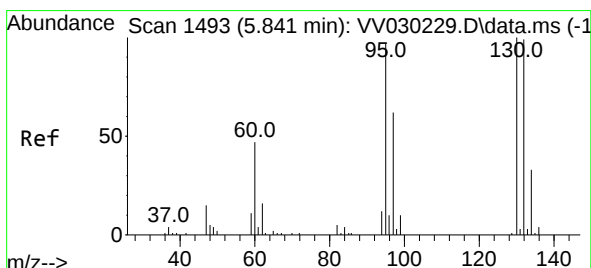
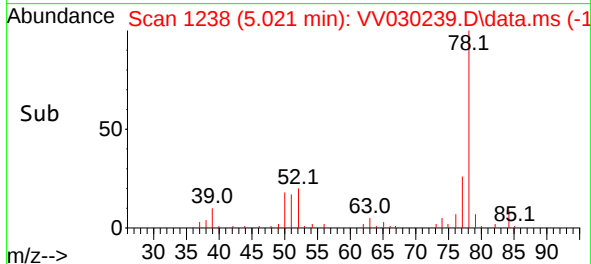
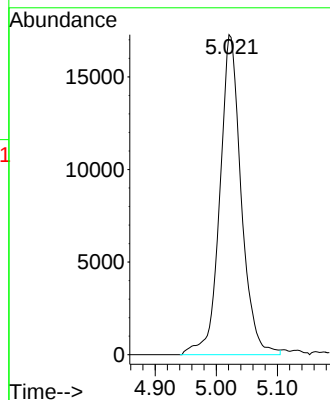
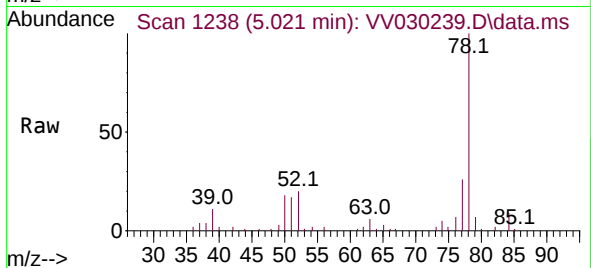
#33
Benzene
Concen: 1.247 ug/L
RT: 5.021 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV030239.D
Acq: 17 Mar 2023 16:37

Instrument :
MSVOA_V
ClientSampleId :
H0A27

Tgt Ion: 78 Resp: 4196

Manual Integrations
APPROVED

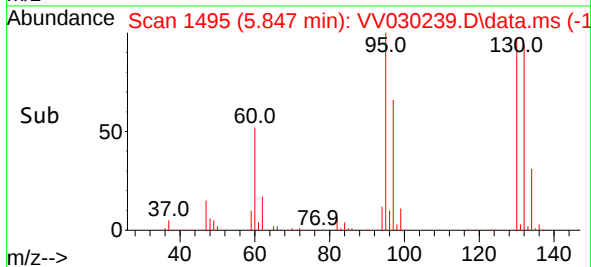
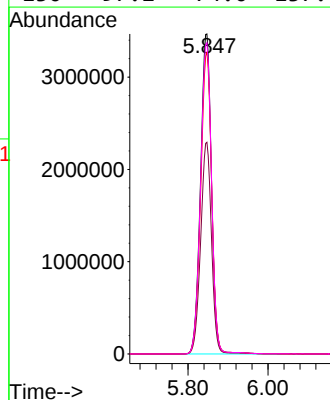
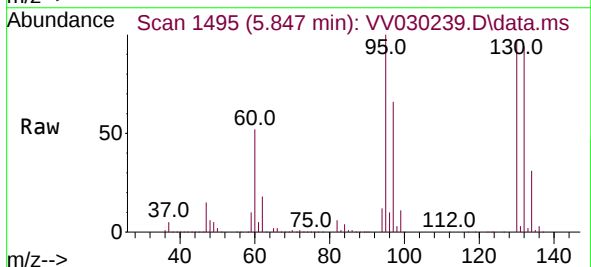
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023

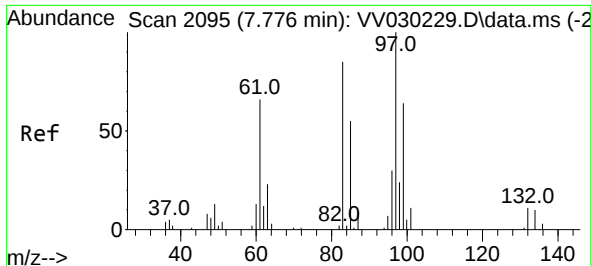


#34
Trichloroethene
Concen: 703.563 ug/L
RT: 5.847 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VV030239.D
Acq: 17 Mar 2023 16:37

Tgt Ion: 95 Resp: 6634637

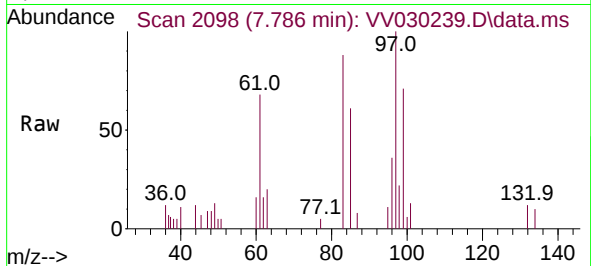
Ion	Ratio	Lower	Upper
95	100		
97	66.1	46.5	86.5
132	94.2	71.7	133.3
130	97.2	74.0	137.4





#45
1,1,2-Trichloroethane
Concen: 0.722 ug/L m
RT: 7.786 min Scan# 2095
Delta R.T. 0.010 min
Lab File: VV030239.D
Acq: 17 Mar 2023 16:37

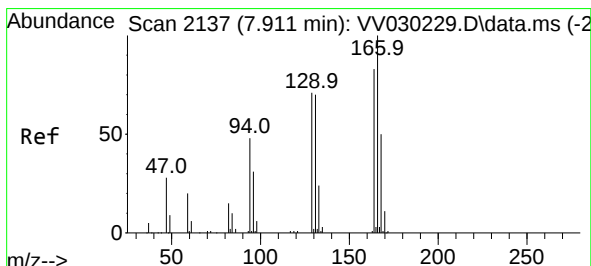
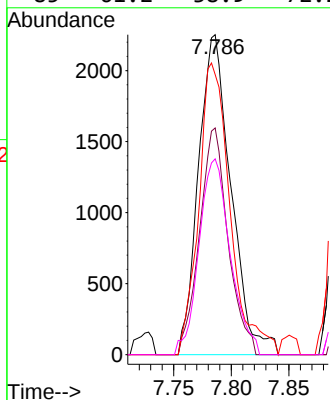
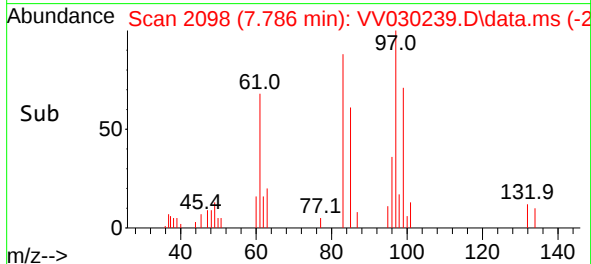
Instrument :
MSVOA_V
ClientSampleId :
H0A27



Tgt Ion: 97 Resp: 4420
Ion Ratio Lower Upper
97 100
99 70.8 42.6 79.2
83 87.5 57.7 107.3
85 61.2 38.9 72.2

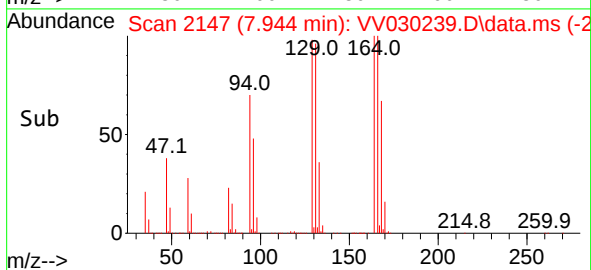
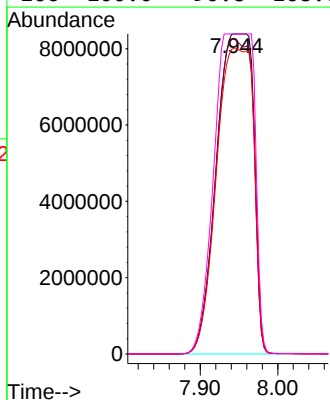
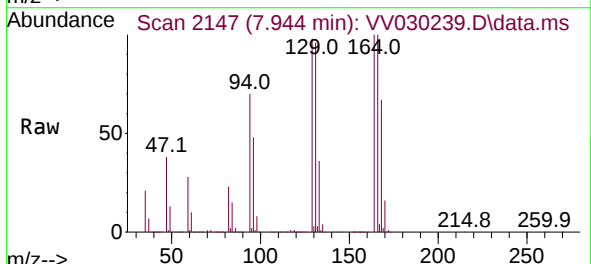
Manual Integrations
APPROVED

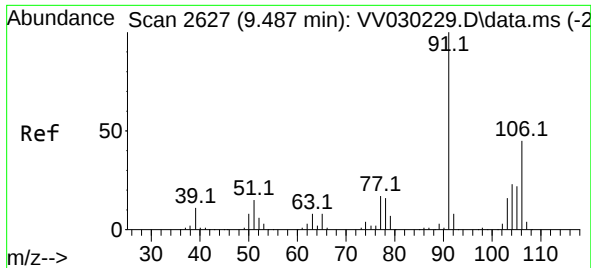
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#47
Tetrachloroethene
Concen: 3426.355 ug/L m
RT: 7.944 min Scan# 2147
Delta R.T. 0.032 min
Lab File: VV030239.D
Acq: 17 Mar 2023 16:37

Tgt Ion:164 Resp:27734531
Ion Ratio Lower Upper
164 100
129 98.4 63.6 118.2
131 95.6 61.7 114.7
166 100.0 90.8 168.6





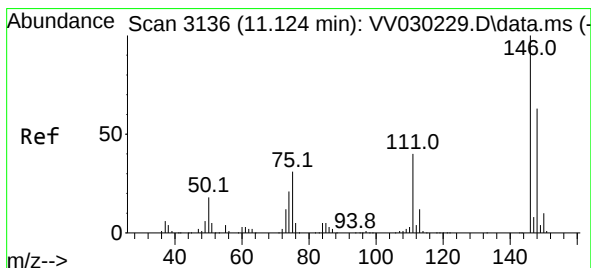
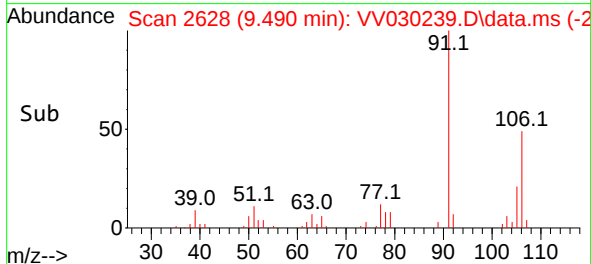
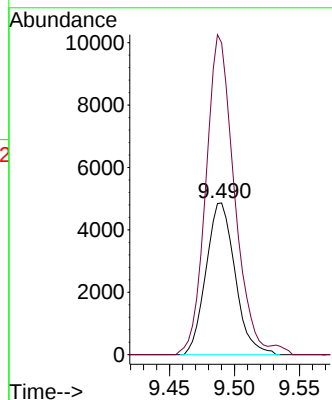
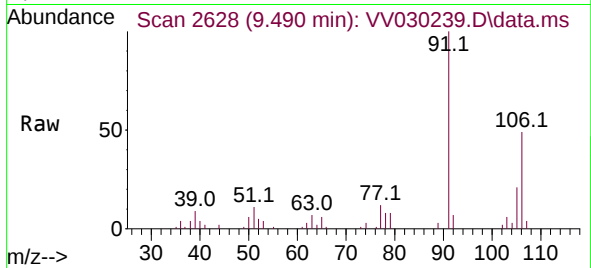
#54
o-Xylene
Concen: 0.519 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.003 min
Lab File: VV030239.D
Acq: 17 Mar 2023 16:37

Instrument :
MSVOA_V
ClientSampleId :
H0A27

Tgt Ion:106 Resp: 7559
Ion Ratio Lower Upper
106 100
91 205.5 148.8 276.4

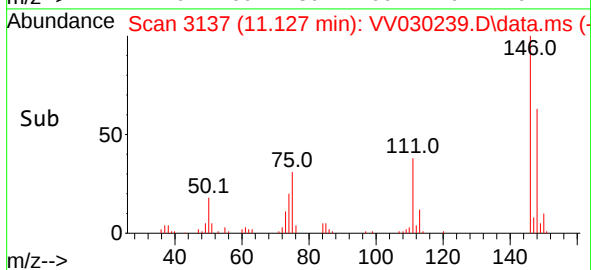
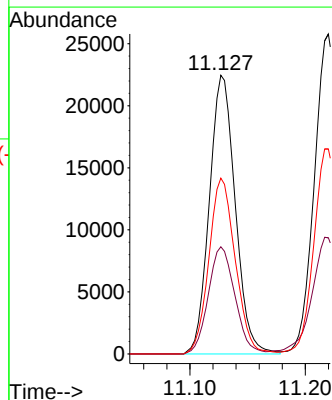
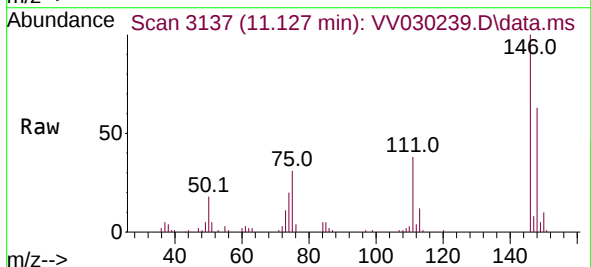
Manual Integrations
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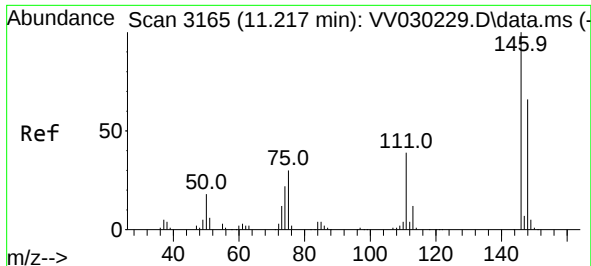
Reviewed By :Krupa Patel 03/22/2023
Supervised By :Mahesh Dadoda 03/22/2023



#64
1,3-Dichlorobenzene
Concen: 1.843 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.003 min
Lab File: VV030239.D
Acq: 17 Mar 2023 16:37

Tgt Ion:146 Resp: 34994
Ion Ratio Lower Upper
146 100
111 38.4 27.7 51.5
148 63.1 44.5 82.7





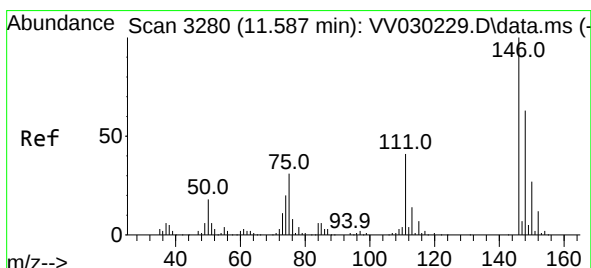
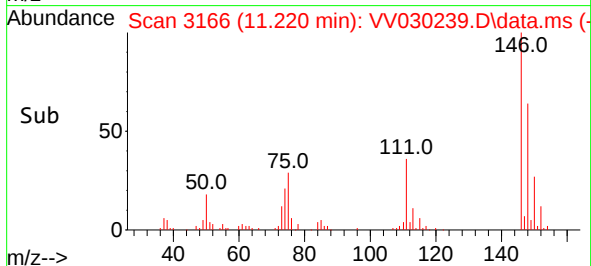
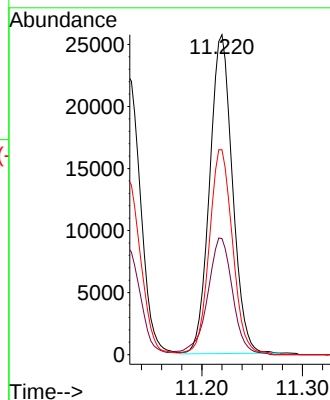
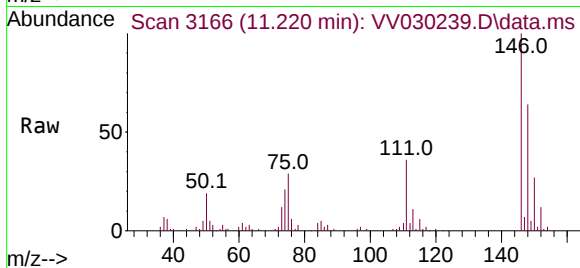
#65
1,4-Dichlorobenzene
Concen: 2.111 ug/L
RT: 11.220 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VV030239.D
Acq: 17 Mar 2023 16:37

Instrument :
MSVOA_V
ClientSampleId :
H0A27

Tgt Ion:146 Resp: 4045
Ion Ratio Lower Upper
146 100
111 36.3 27.4 51.0
148 64.1 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: 6.442 ug/L
RT: 11.590 min Scan# 3281
Delta R.T. 0.003 min
Lab File: VV030239.D
Acq: 17 Mar 2023 16:37

Tgt Ion:146 Resp: 108020
Ion Ratio Lower Upper
146 100
111 41.5 33.5 50.3
148 64.0 51.3 76.9

