

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041123\
 Data File : VW030506.D
 Acq On : 11 Apr 2023 19:53
 Operator : SY/MD
 Sample : 02250-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHDx4

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

Quant Time: Apr 12 05:05:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 12 05:00:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	111392	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	110670	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	55345	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	23447	3.178	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.600%
7) Chloroethane-d5	1.535	69	27136	3.790	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.800%
11) 1,1-Dichloroethene-d2	2.069	63	104805	5.987	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	119.800%
20) 2-Butanone-d5	3.831	46	82887	43.467	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.940%
24) Chloroform-d	4.262	84	77690	4.351	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
26) 1,2-Dichloroethane-d4	4.953	65	40219	4.774	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	4.969	84	126173	4.046	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.000%
36) 1,2-Dichloropropane-d6	5.998	67	43893	4.496	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.000%
41) Toluene-d8	7.252	98	107760	3.763	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.200%
43) trans-1,3-Dichloroprop...	7.561	79	13912	3.784	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.600%
46) 2-Hexanone-d5	8.037	63	68884	46.633	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.260%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	33665	4.375	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.400%
66) 1,2-Dichlorobenzene-d4	11.570	152	52315	5.289	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.800%
Target Compounds						Qvalue
3) Chloromethane	1.217	50	5688	0.318	ug/L	97
5) Vinyl chloride	1.285	62	7103	0.545	ug/L #	1
12) 1,1-Dichloroethene	2.072	96	106025	11.392	ug/L #	79
13) Acetone	2.175	43	8080m	4.431	ug/L	
14) Carbon disulfide	2.246	76	52015	1.697	ug/L	99
16) Methylene chloride	2.455	84	7901	0.718	ug/L	95
18) trans-1,2-Dichloroethene	2.703	96	1407	0.143	ug/L	81
19) 1,1-Dichloroethane	3.121	63	76881	4.045	ug/L	98
22) cis-1,2-Dichloroethene	3.825	96	108789	11.055	ug/L	98
25) Chloroform	4.288	83	35135	1.829	ug/L	94
27) 1,2-Dichloroethane	5.056	62	21067	1.814	ug/L	99
29) 1,1,1-Trichloroethane	4.519	97	4658	0.262	ug/L #	91
33) Benzene	5.021	78	46463	1.182	ug/L	100
34) Trichloroethene	5.841	95	1469137	138.581	ug/L	98
42) Toluene	7.329	91	4053	0.097	ug/L	98
47) Tetrachloroethene	7.911	164	327256	34.978	ug/L	97

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

Instrument :

MSVOA_V

ClientSampleId :

BHDX4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023

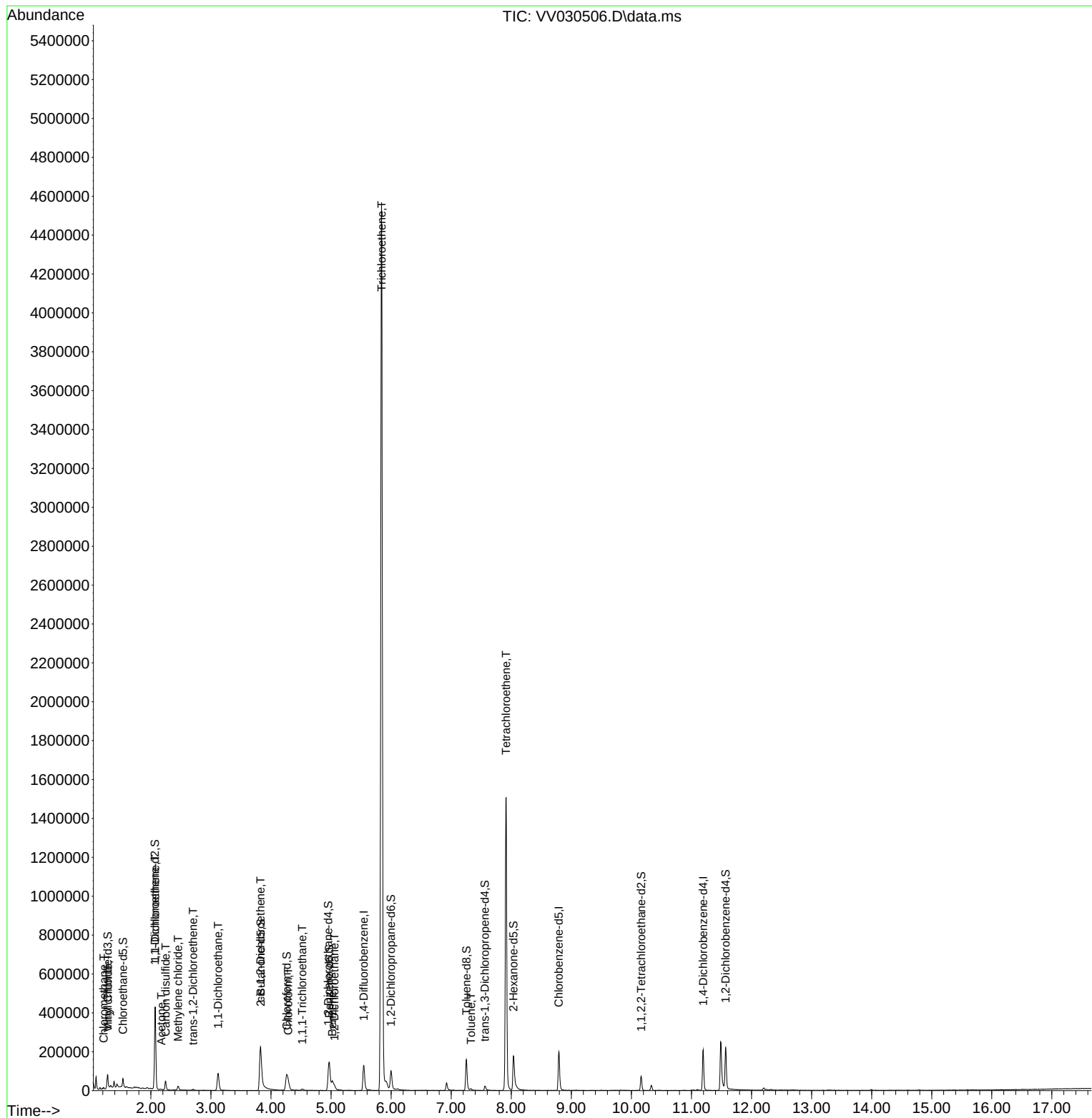
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041123\
Data File : VV030506.D
Acq On : 11 Apr 2023 19:53
Operator : SY/MD
Sample : 02250-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

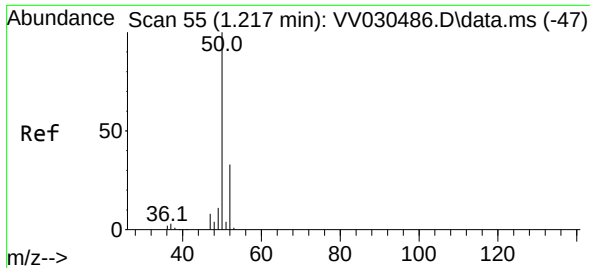
Instrument :
MSVOA_V
ClientSampleId :
BHDx4

Manual Integrations
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Supervised By :Mahesh Dadoda 04/13/2023

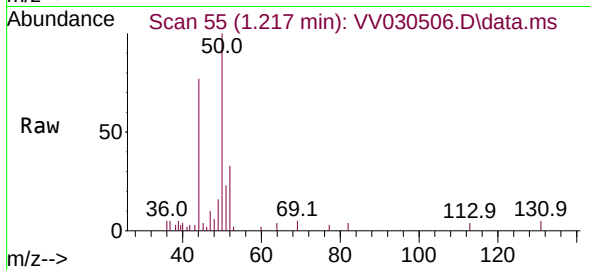
Quant Time: Apr 12 05:05:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Apr 12 05:00:18 2023
Response via : Initial Calibration





#3
Chloromethane
Concen: 0.318 ug/L
RT: 1.217 min Scan# 50
Delta R.T. -0.000 min
Lab File: VV030506.D
Acq: 11 Apr 2023 19:53

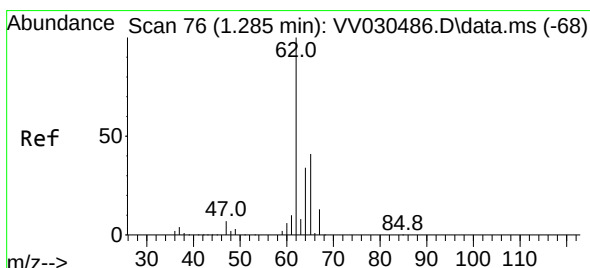
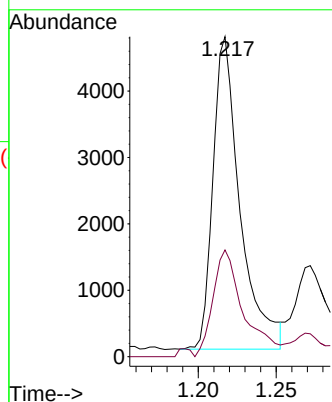
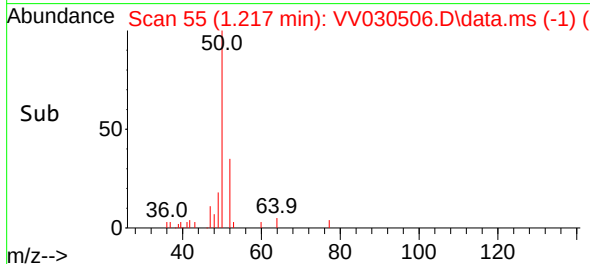
Instrument :
MSVOA_V
ClientSampleId :
BHDx4



Tgt Ion: 50 Resp: 568
Ion Ratio Lower Upper
50 100
52 33.4 22.3 41.5

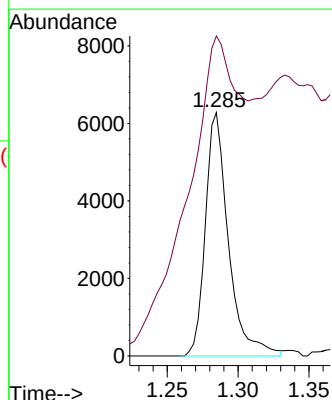
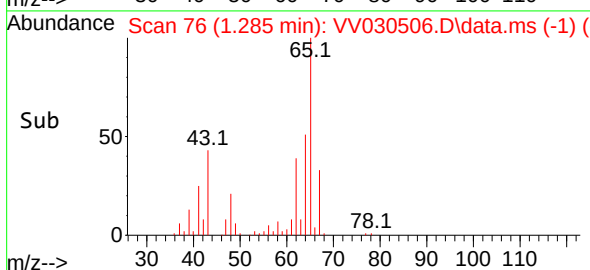
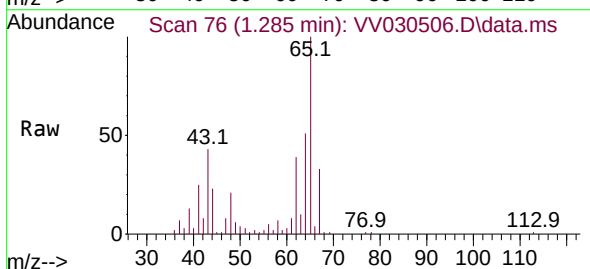
Manual Integrations
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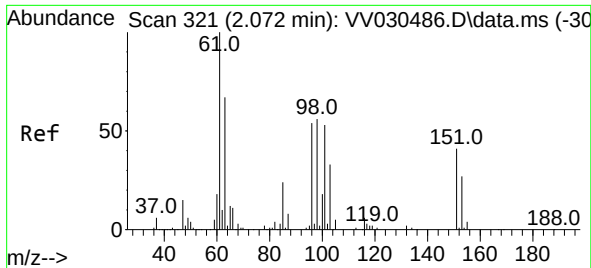
Reviewed By :Krupa Patel 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#5
Vinyl chloride
Concen: 0.545 ug/L
RT: 1.285 min Scan# 76
Delta R.T. -0.000 min
Lab File: VV030506.D
Acq: 11 Apr 2023 19:53

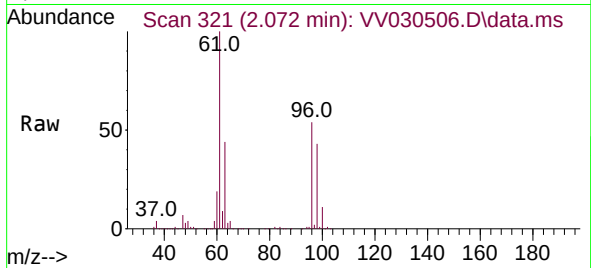
Tgt Ion: 62 Resp: 7103
Ion Ratio Lower Upper
62 100
64 131.4 23.2 43.2





#12
1,1-Dichloroethene
Concen: 11.392 ug/L
RT: 2.072 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV030506.D
Acq: 11 Apr 2023 19:53

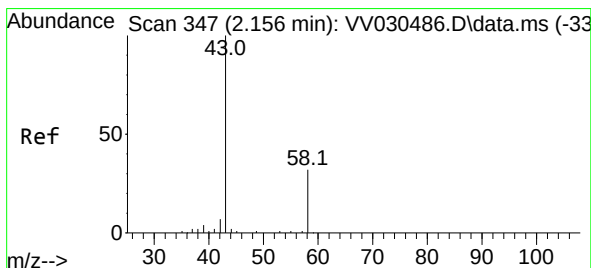
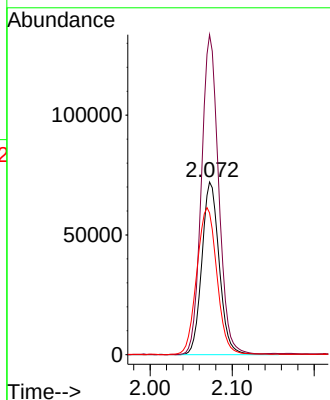
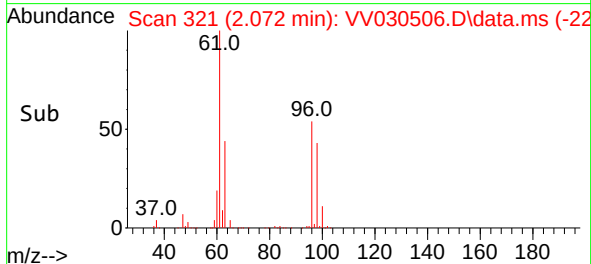
Instrument :
MSVOA_V
ClientSampleId :
BHDx4



Tgt Ion: 96 Resp: 106025
Ion Ratio Lower Upper
96 100
61 185.3 136.3 253.1
63 82.1 92.1 171.1

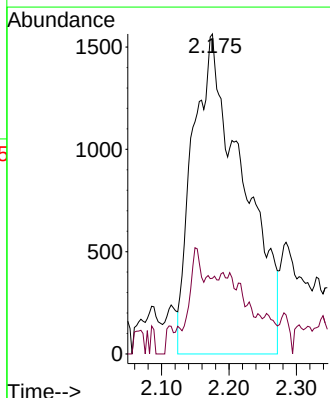
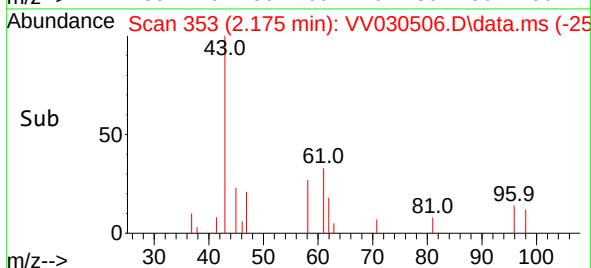
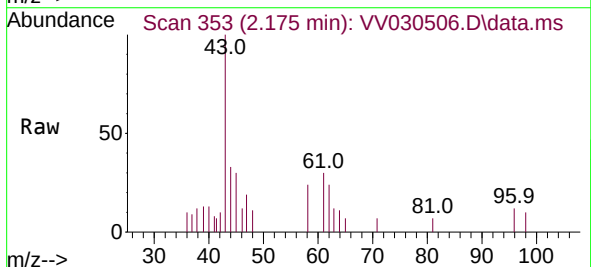
Manual Integrations
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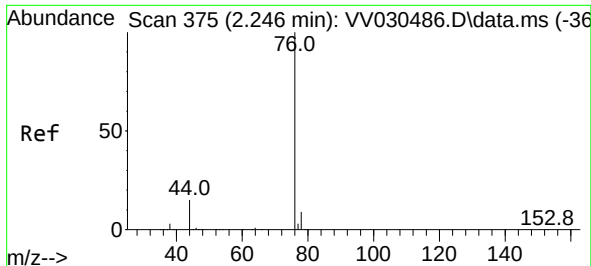
Reviewed By :Krupa Patel 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#13
Acetone
Concen: 4.431 ug/L m
RT: 2.175 min Scan# 353
Delta R.T. 0.019 min
Lab File: VV030506.D
Acq: 11 Apr 2023 19:53

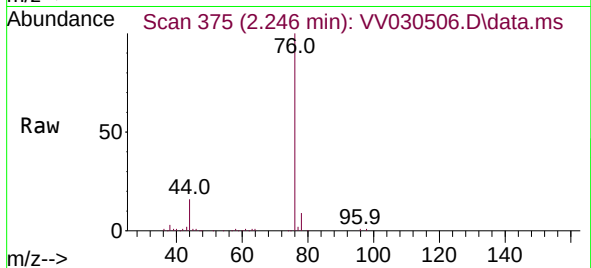
Tgt Ion: 43 Resp: 8080
Ion Ratio Lower Upper
43 100
58 6.0 0.0 40.8





#14
Carbon disulfide
Concen: 1.697 ug/L
RT: 2.246 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV030506.D
Acq: 11 Apr 2023 19:53

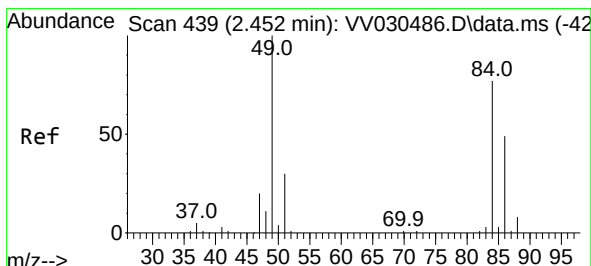
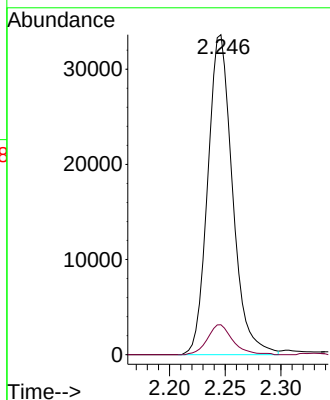
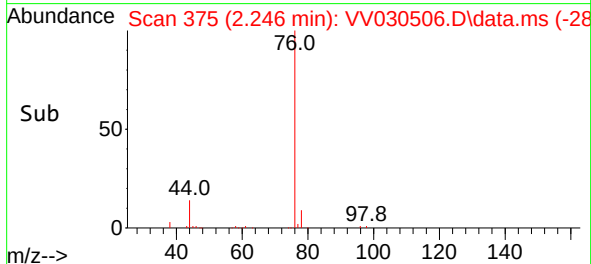
Instrument :
MSVOA_V
ClientSampleId :
BHD4



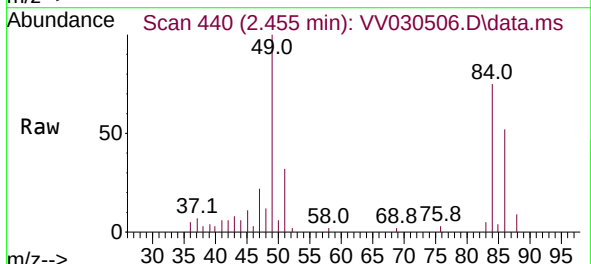
Tgt Ion: 76 Resp: 5201
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9

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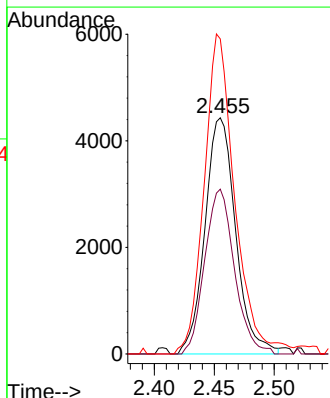
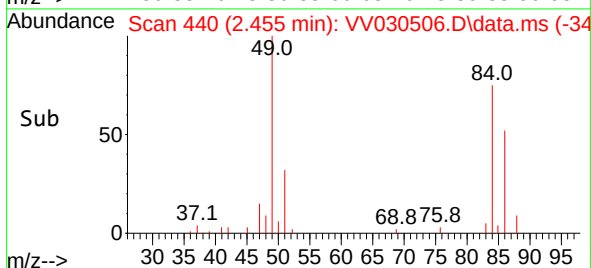
Reviewed By :Krupa Patel 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

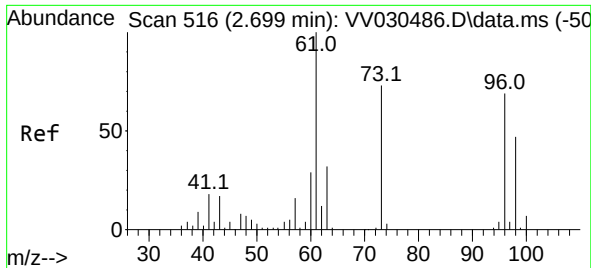


#16
Methylene chloride
Concen: 0.718 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030506.D
Acq: 11 Apr 2023 19:53



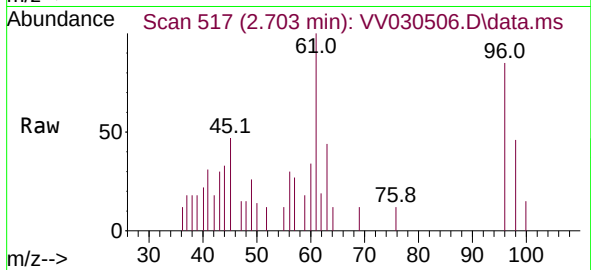
Tgt Ion: 84 Resp: 7901
Ion Ratio Lower Upper
84 100
86 69.8 44.0 81.6
49 133.4 90.6 168.3





#18
trans-1,2-Dichloroethene
Concen: 0.143 ug/L
RT: 2.703 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV030506.D
Acq: 11 Apr 2023 19:53

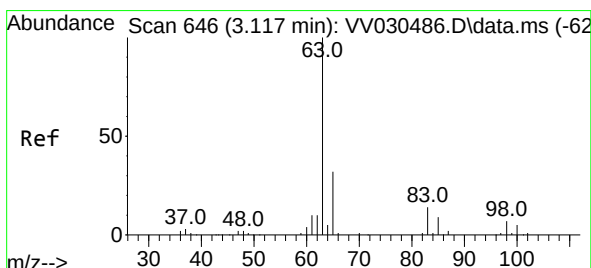
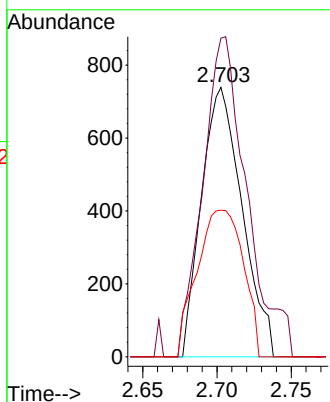
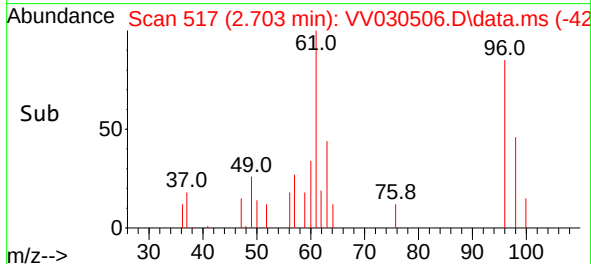
Instrument :
MSVOA_V
ClientSampleId :
BHD4



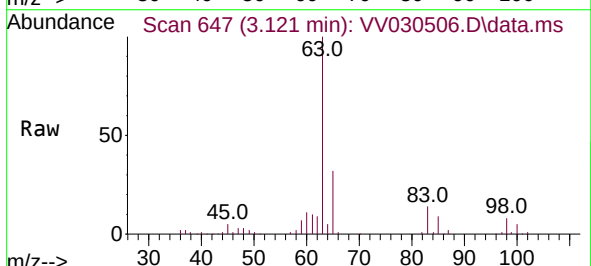
Tgt Ion: 96 Resp: 140
Ion Ratio Lower Upper
96 100
61 118.3 101.7 188.9
98 54.4 45.8 85.2

Manual Integrations
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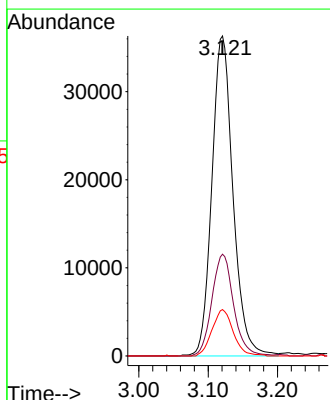
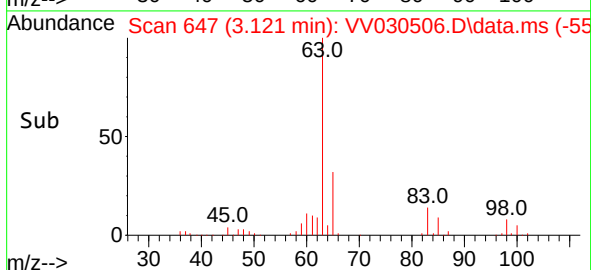
Reviewed By :Krupa Patel 04/13/2023
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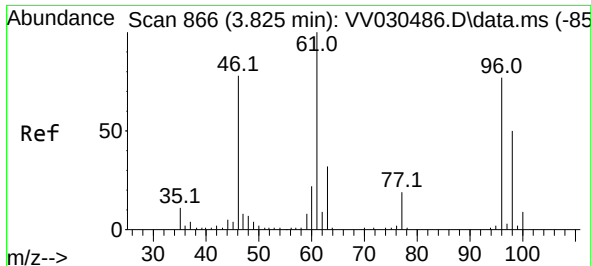


#19
1,1-Dichloroethane
Concen: 4.045 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV030506.D
Acq: 11 Apr 2023 19:53



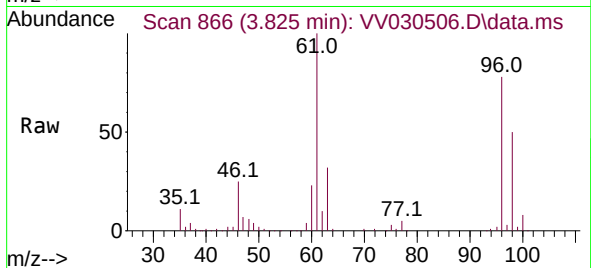
Tgt Ion: 63 Resp: 76881
Ion Ratio Lower Upper
63 100
65 31.8 21.7 40.3
83 14.5 9.1 16.9





#22
cis-1,2-Dichloroethene
Concen: 11.055 ug/L
RT: 3.825 min Scan# 80
Delta R.T. -0.000 min
Lab File: VV030506.D
Acq: 11 Apr 2023 19:53

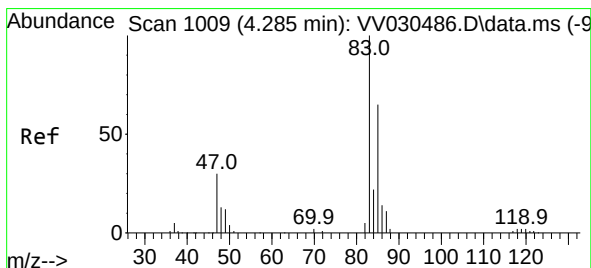
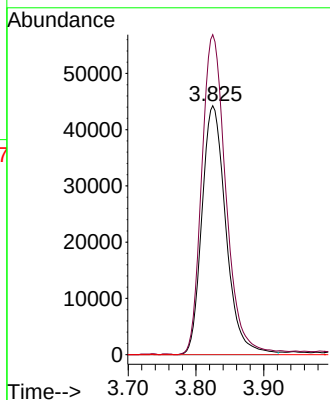
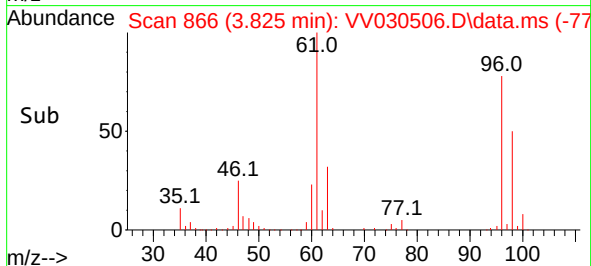
Instrument :
MSVOA_V
ClientSampleId :
BHD4



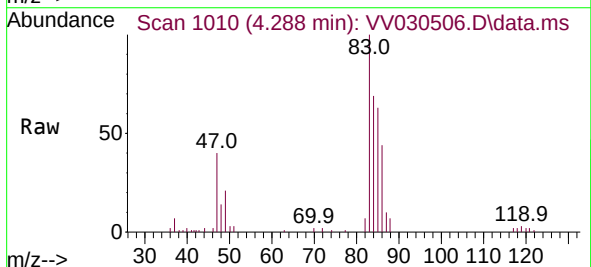
Tgt Ion: 96 Resp: 108789
Ion Ratio Lower Upper
96 100
61 128.6 92.0 170.8
68 0.0 0.0 0.0

Manual Integrations
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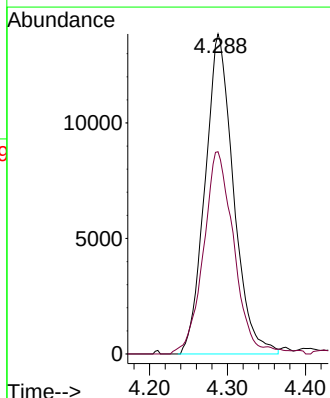
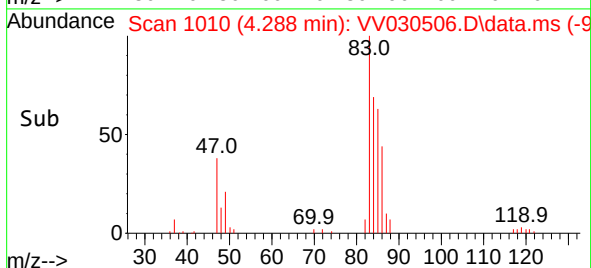
Reviewed By :Krupa Patel 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

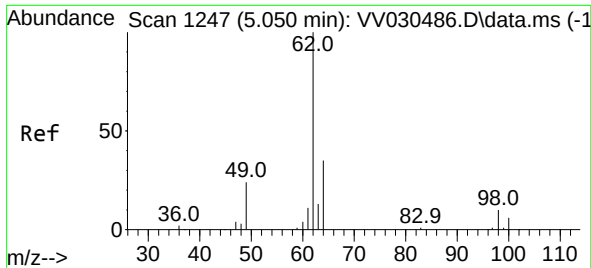


#25
Chloroform
Concen: 1.829 ug/L
RT: 4.288 min Scan# 1010
Delta R.T. 0.003 min
Lab File: VV030506.D
Acq: 11 Apr 2023 19:53



Tgt Ion: 83 Resp: 35135
Ion Ratio Lower Upper
83 100
85 63.2 47.6 88.4





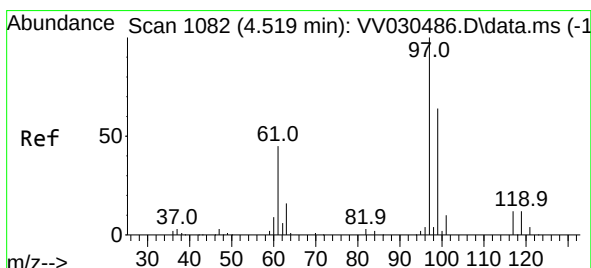
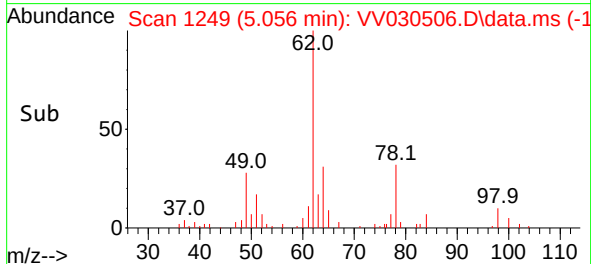
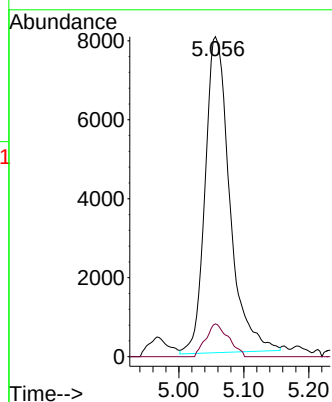
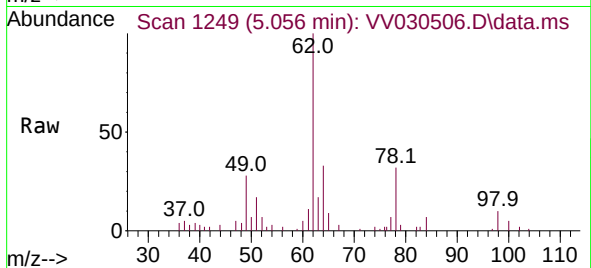
#27
1,2-Dichloroethane
Concen: 1.814 ug/L
RT: 5.056 min Scan# 1247
Delta R.T. 0.006 min
Lab File: VV030506.D
Acq: 11 Apr 2023 19:53

Instrument :
MSVOA_V
ClientSampleId :
BHDx4

Tgt Ion: 62 Resp: 2106
Ion Ratio Lower Upper
62 100
98 10.2 7.8 11.8

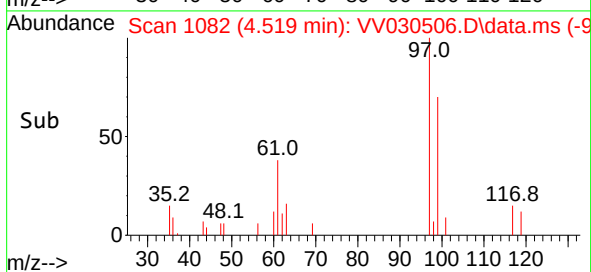
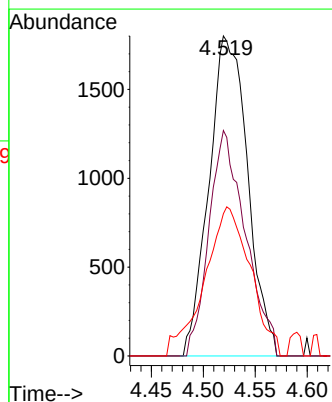
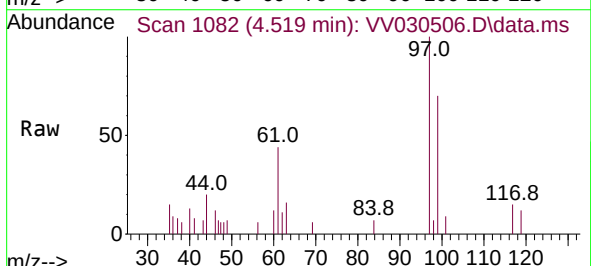
Manual Integrations
APPROVED

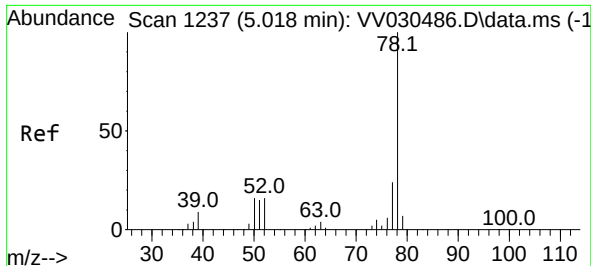
Reviewed By :Krupa Patel 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#29
1,1,1-Trichloroethane
Concen: 0.262 ug/L
RT: 4.519 min Scan# 1082
Delta R.T. -0.000 min
Lab File: VV030506.D
Acq: 11 Apr 2023 19:53

Tgt Ion: 97 Resp: 4658
Ion Ratio Lower Upper
97 100
99 66.6 50.9 76.3
61 55.0 35.9 53.9#





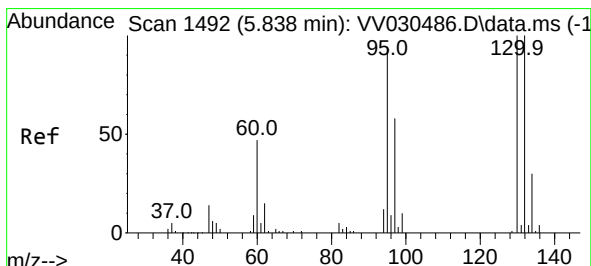
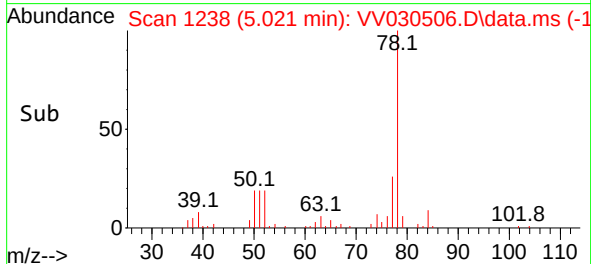
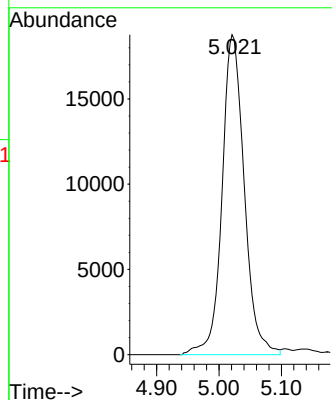
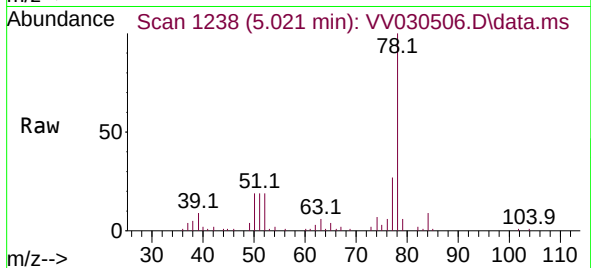
#33
Benzene
Concen: 1.182 ug/L
RT: 5.021 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV030506.D
Acq: 11 Apr 2023 19:53

Instrument :
MSVOA_V
ClientSampleId :
BHD4

Tgt Ion: 78 Resp: 4646

Manual Integrations
APPROVED

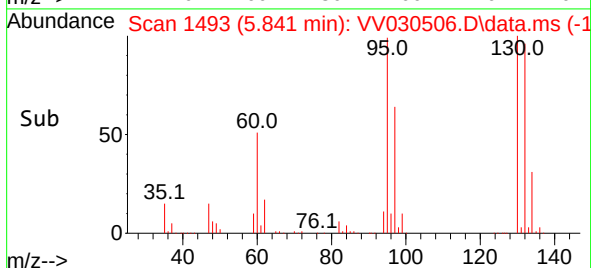
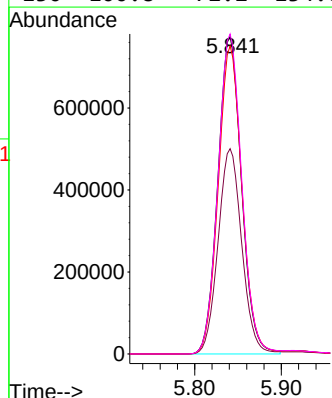
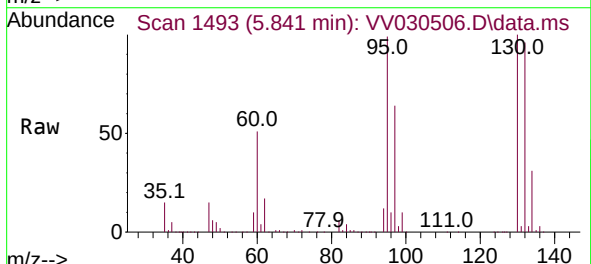
Reviewed By :Krupa Patel 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

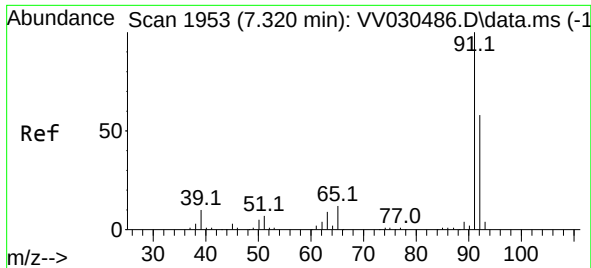


#34
Trichloroethene
Concen: 138.581 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV030506.D
Acq: 11 Apr 2023 19:53

Tgt Ion: 95 Resp: 1469137

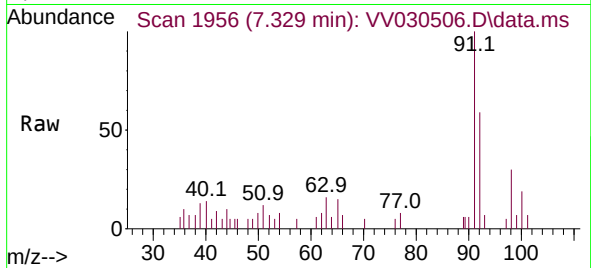
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.2	82.2
132	97.1	69.5	129.1
130	100.8	72.2	134.0





#42
Toluene
Concen: 0.097 ug/L
RT: 7.329 min Scan# 1953
Delta R.T. 0.010 min
Lab File: VV030506.D
Acq: 11 Apr 2023 19:53

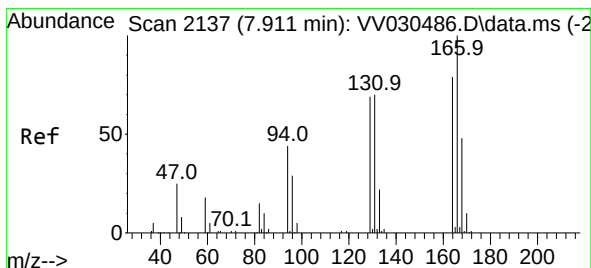
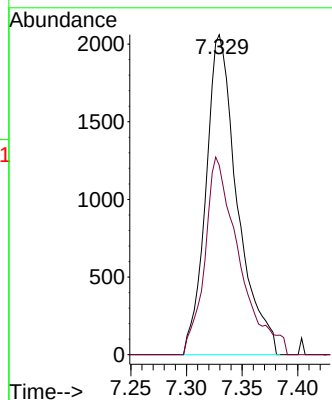
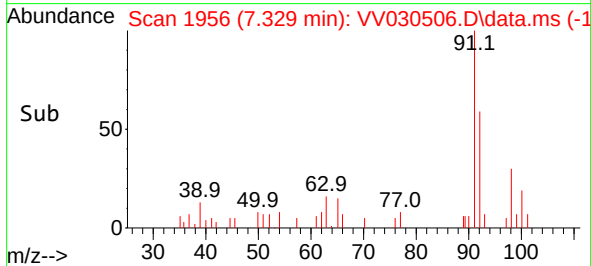
Instrument :
MSVOA_V
ClientSampleId :
BHD4



Tgt Ion: 91 Resp: 405
Ion Ratio Lower Upper
91 100
92 59.1 40.4 75.0

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#47
Tetrachloroethene
Concen: 34.978 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV030506.D
Acq: 11 Apr 2023 19:53

Tgt Ion:164 Resp: 327256
Ion Ratio Lower Upper
164 100
129 91.4 60.8 112.8
131 88.2 61.7 114.7
166 127.0 85.6 159.0

