

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062923\
 Data File : VU054699.D
 Acq On : 29 Jun 2023 16:48
 Operator : MD/SY
 Sample : 03477-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HOA45

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/30/2023
 Supervised By :Mahesh Dadoda 06/30/2023

Quant Time: Jun 30 05:20:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 23 23:55:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	316930	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	309909	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	142809	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	86700	4.298	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.000%
7) Chloroethane-d5	1.911	69	78406	4.152	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.000%
11) 1,1-Dichloroethene-d2	2.563	65	36050	4.002	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.000%
20) 2-Butanone-d5	4.631	46	295707	52.145	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.280%
24) Chloroform-d	5.059	84	167925	3.983	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.600%
26) 1,2-Dichloroethane-d4	5.698	65	87016	4.234	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.600%
32) Benzene-d6	5.724	84	324499	3.767	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.400%
36) 1,2-Dichloropropane-d6	6.685	67	113711	3.952	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.000%
41) Toluene-d8	7.894	98	269985	3.531	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.600%
43) trans-1,3-Dichloroprop...	8.177	79	40968	4.095	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.800%
46) 2-Hexanone-d5	8.631	63	208408	49.652	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.300%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	90589	4.222	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	98533	4.091	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.800%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.576	96	478367	20.810	ug/L	87
18) trans-1,2-Dichloroethene	3.351	96	4060	0.171	ug/L	89
19) 1,1-Dichloroethane	3.866	63	51062	1.040	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	703091	26.014	ug/L	98
25) Chloroform	5.084	83	145231	2.999	ug/L	99
29) 1,1,1-Trichloroethane	5.313	97	1993063	47.427	ug/L	98
31) Carbon tetrachloride	5.522	117	23437	0.647	ug/L	100
34) Trichloroethene	6.538	95	1691332	57.426	ug/L	95
45) 1,1,2-Trichloroethane	8.402	97	2088m	0.109	ug/L	
47) Tetrachloroethene	8.550	164	19217460m	852.402	ug/L	
64) 1,3-Dichlorobenzene	11.743	146	11289	0.231	ug/L	95
67) 1,2-Dichlorobenzene	12.209	146	6836	0.152	ug/L	97

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

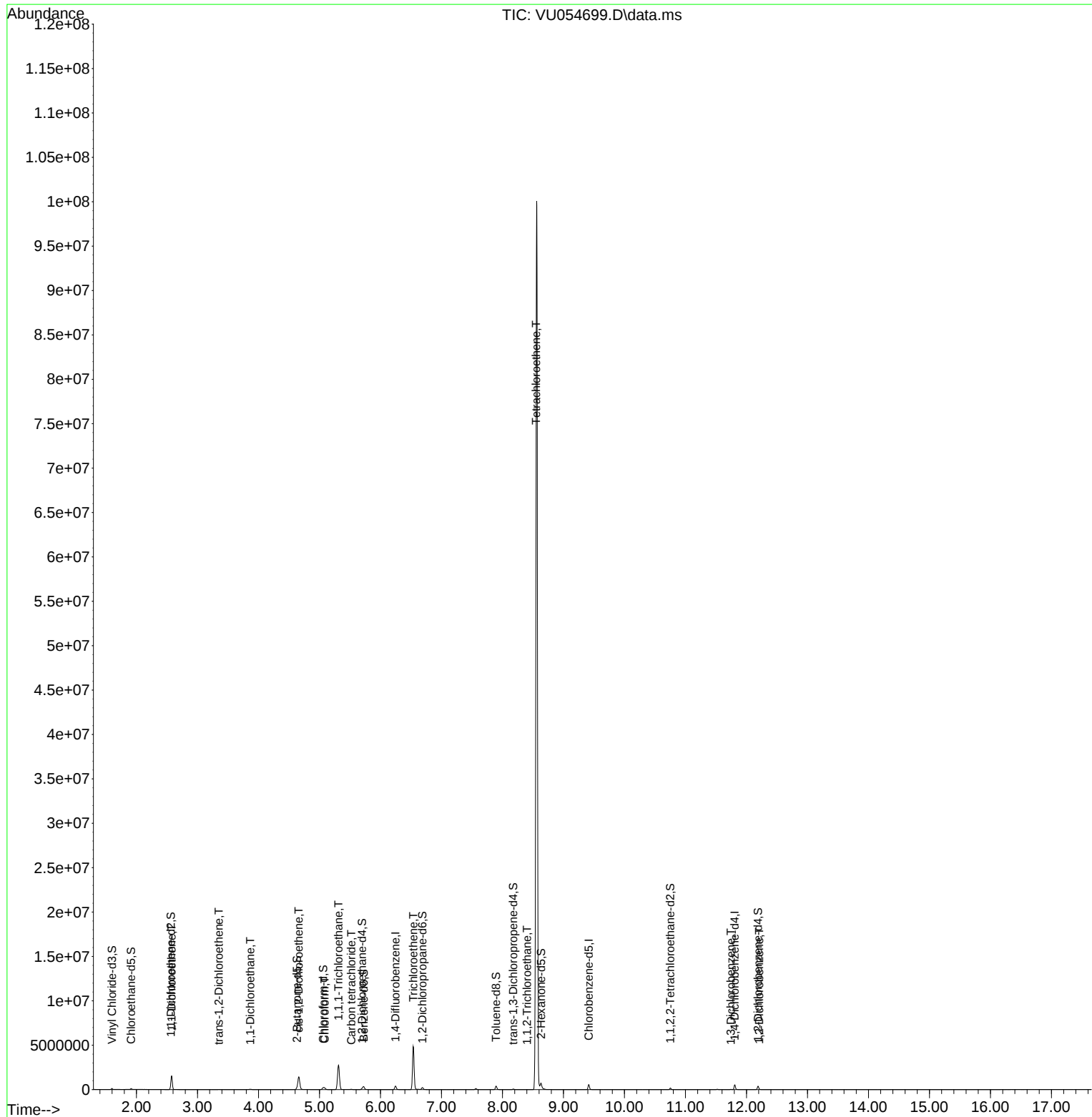
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Data File : VU054699.D
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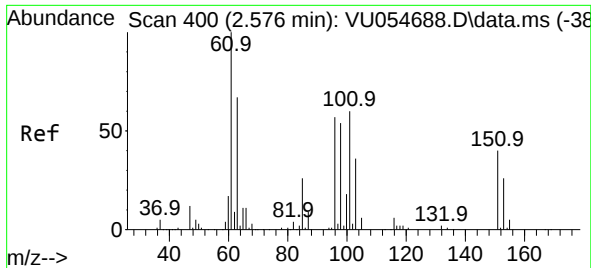
Instrument :
MSVOA_U
ClientSampleId :
HOA45

Quant Time: Jun 30 05:20:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jun 23 23:55:46 2023
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Supervised By :Mahesh Dadoda 06/30/2023





#12

1,1-Dichloroethene

Concen: 20.810 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.003 min

Lab File: VU054699.D

Acq: 29 Jun 2023 16:48

Instrument :

MSVOA_U

ClientSampleId :

HOA45

Tgt Ion: 96 Resp: 47836

Ion Ratio Lower Upper

96 100

61 178.9 119.9 222.7

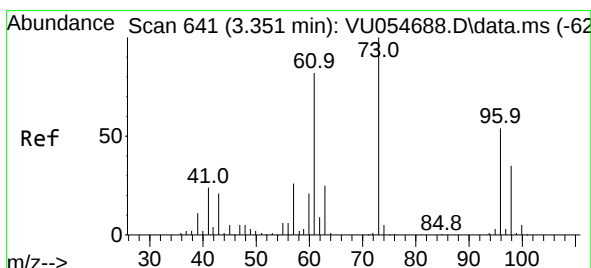
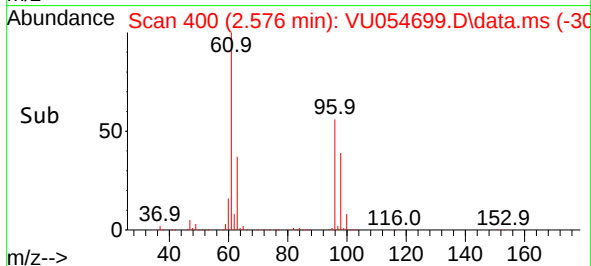
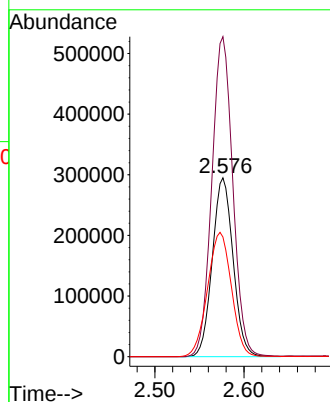
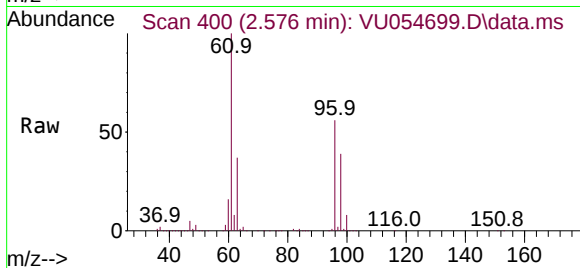
63 66.9 64.3 119.3

Manual Integrations

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#18

trans-1,2-Dichloroethene

Concen: 0.171 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.000 min

Lab File: VU054699.D

Acq: 29 Jun 2023 16:48

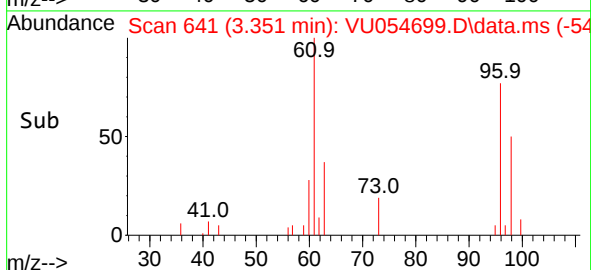
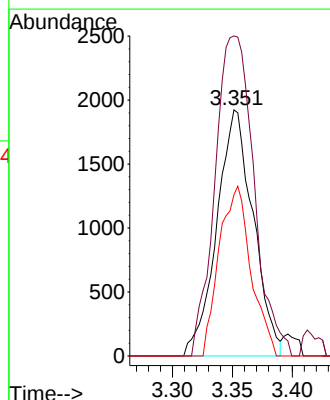
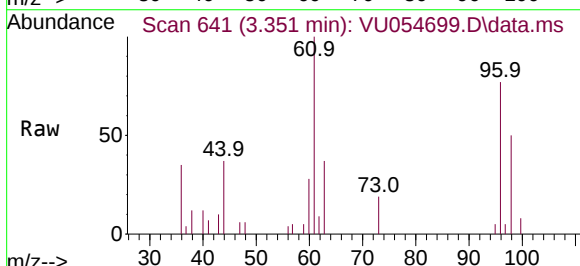
Tgt Ion: 96 Resp: 4060

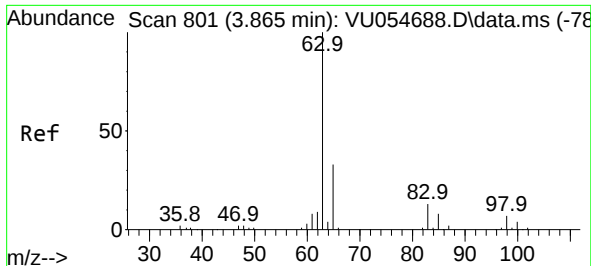
Ion Ratio Lower Upper

96 100

61 130.1 104.6 194.2

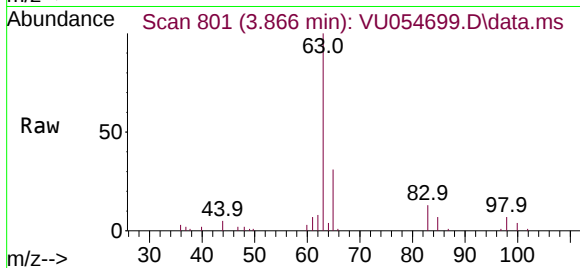
98 65.5 45.4 84.4





#19
1,1-Dichloroethane
Concen: 1.040 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU054699.D
Acq: 29 Jun 2023 16:48

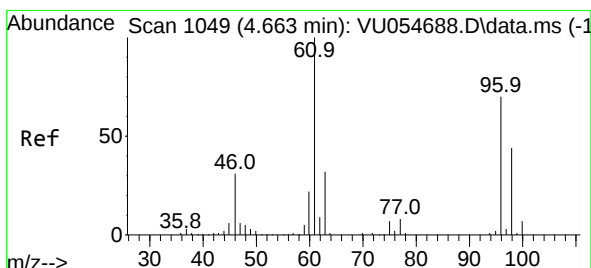
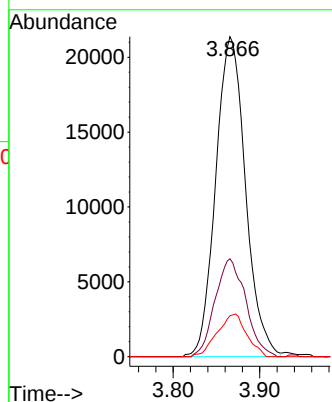
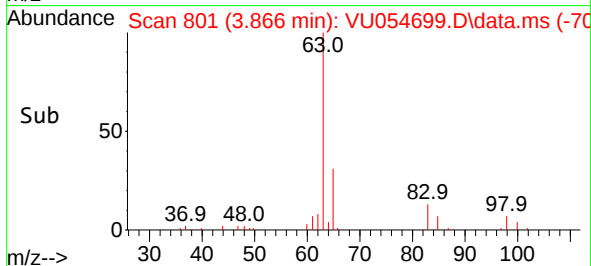
Instrument :
MSVOA_U
ClientSampleId :
HOA45



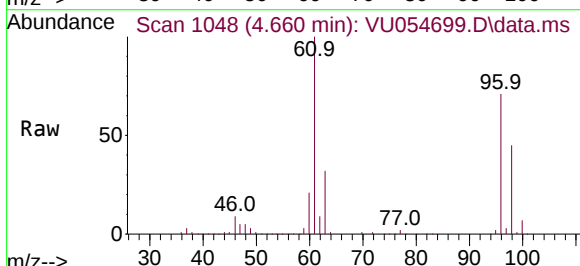
Tgt Ion: 63 Resp: 51062
Ion Ratio Lower Upper
63 100
65 31.2 22.2 41.2
83 12.8 9.0 16.6

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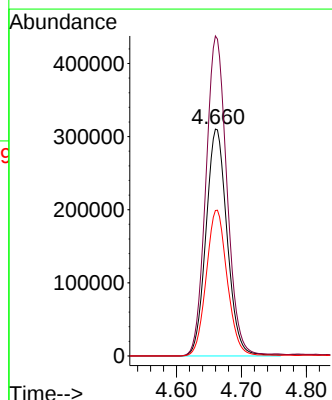
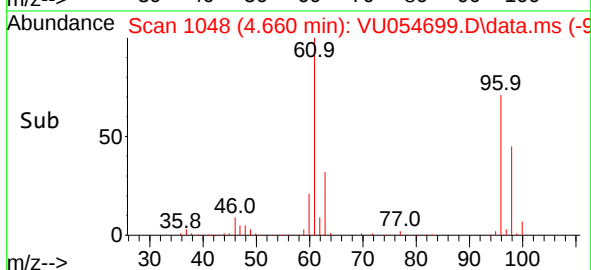
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023

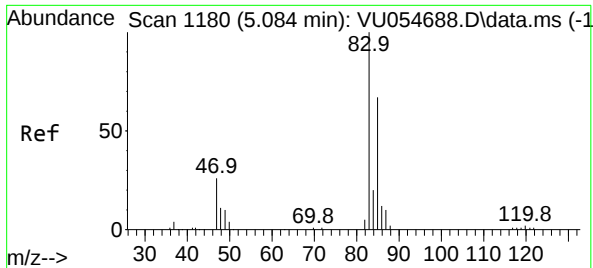


#22
cis-1,2-Dichloroethene
Concen: 26.014 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.003 min
Lab File: VU054699.D
Acq: 29 Jun 2023 16:48



Tgt Ion: 96 Resp: 703091
Ion Ratio Lower Upper
96 100
61 141.0 96.5 179.1
98 64.1 44.9 83.3





#25

Chloroform

Concen: 2.999 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU054699.D

Acq: 29 Jun 2023 16:48

Instrument :

MSVOA_U

ClientSampleId :

HOA45

Tgt Ion: 83 Resp: 14523

Ion Ratio Lower Upper

83 100

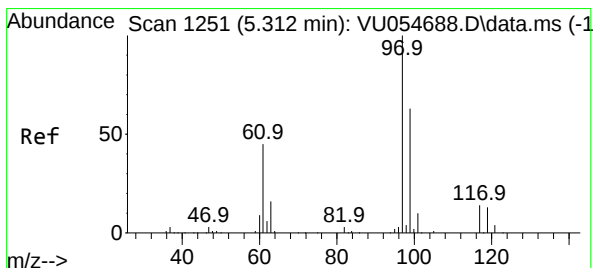
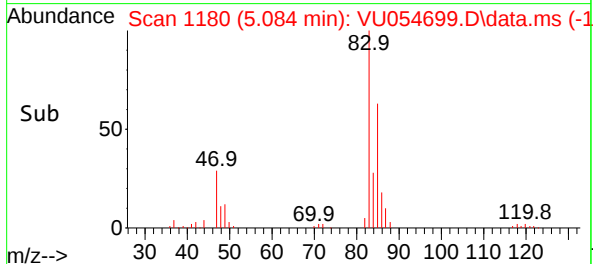
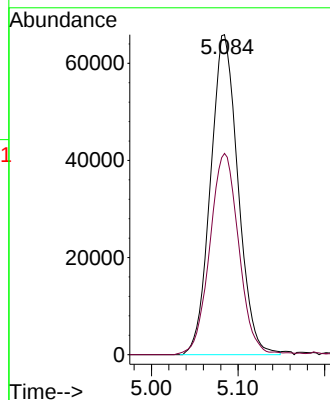
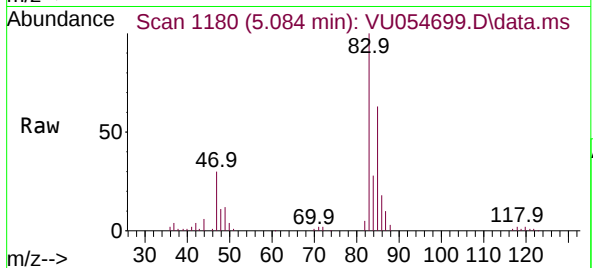
85 62.9 44.7 82.9

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 06/30/2023



#29

1,1,1-Trichloroethane

Concen: 47.427 ug/L

RT: 5.313 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VU054699.D

Acq: 29 Jun 2023 16:48

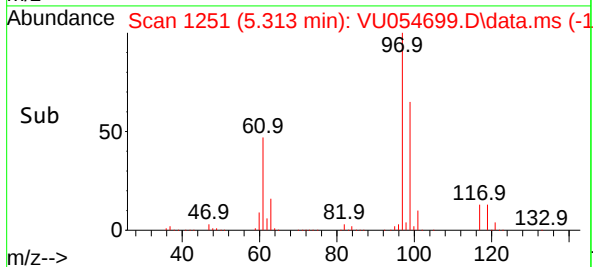
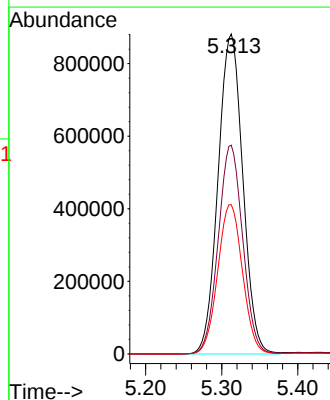
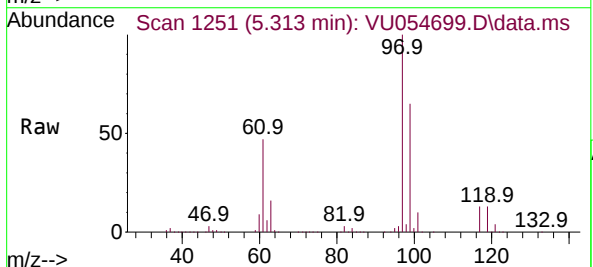
Tgt Ion: 97 Resp: 1993063

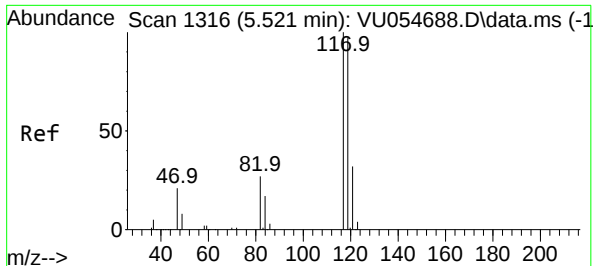
Ion Ratio Lower Upper

97 100

99 64.6 50.8 76.2

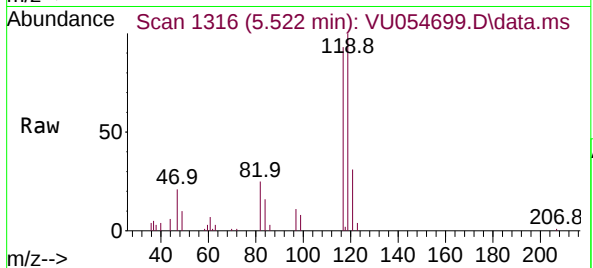
61 46.8 36.1 54.1





#31
Carbon tetrachloride
Concen: 0.647 ug/L
RT: 5.522 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU054699.D
Acq: 29 Jun 2023 16:48

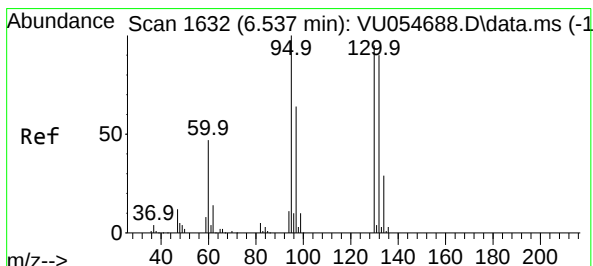
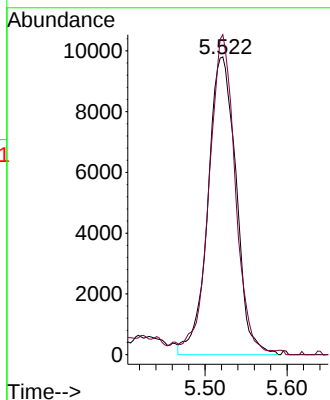
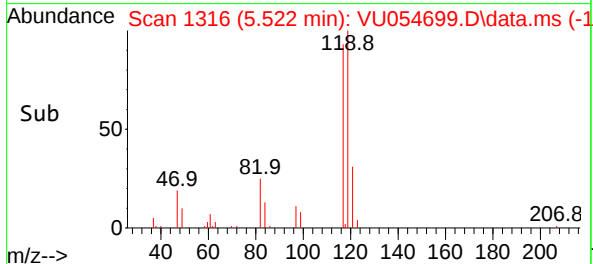
Instrument :
MSVOA_U
ClientSampleId :
HOA45



Tgt Ion: 117 Resp: 2343
Ion Ratio Lower Upper
117 100
119 96.3 76.8 115.2

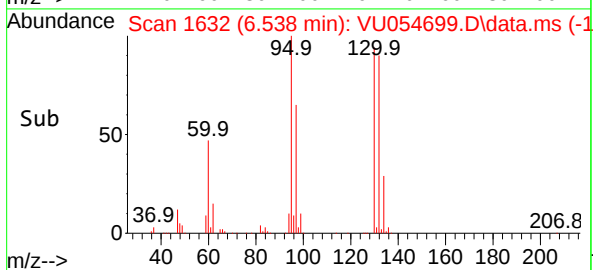
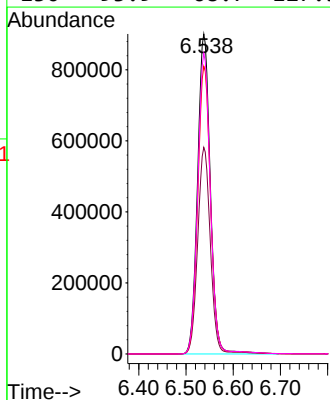
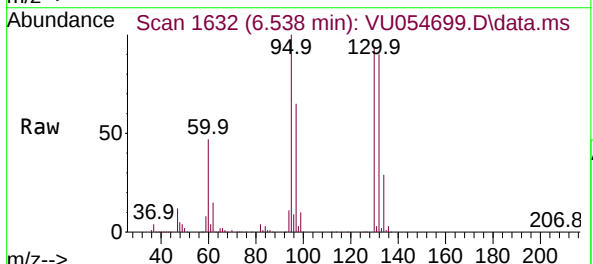
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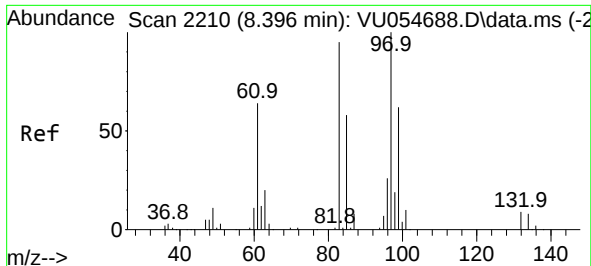
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023



#34
Trichloroethene
Concen: 57.426 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU054699.D
Acq: 29 Jun 2023 16:48

Tgt Ion: 95 Resp: 1691332
Ion Ratio Lower Upper
95 100
97 64.6 46.8 87.0
132 89.9 68.4 127.0
130 93.9 68.7 127.5





#45

1,1,2-Trichloroethane

Concen: 0.109 ug/L m

RT: 8.402 min Scan# 21

Delta R.T. 0.007 min

Lab File: VU054699.D

Acq: 29 Jun 2023 16:48

Instrument :

MSVOA_U

ClientSampleId :

HOA45

Tgt Ion: 97 Resp: 208

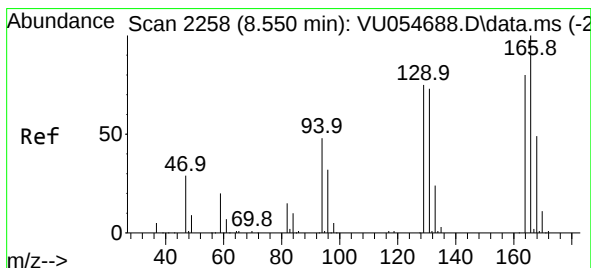
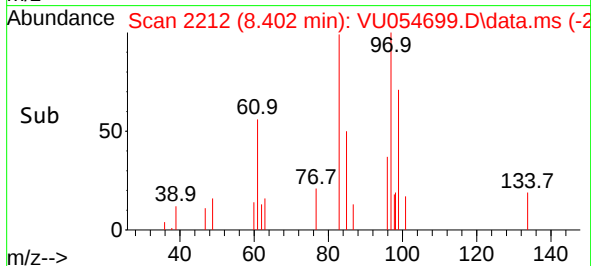
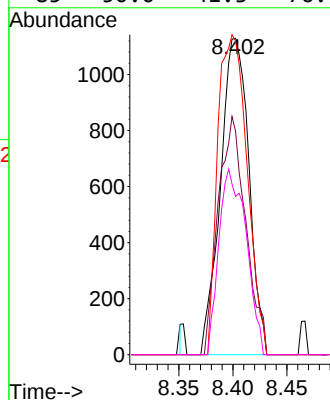
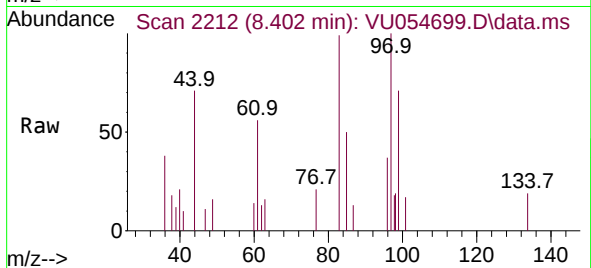
Ion	Ratio	Lower	Upper
97	100		
99	70.7	43.0	80.0
83	99.2	63.8	118.6
85	50.0	41.3	76.7

Manual Integrations

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Supervised By :Mahesh Dadoda 06/30/2023



#47

Tetrachloroethene

Concen: 852.402 ug/L m

RT: 8.550 min Scan# 2258

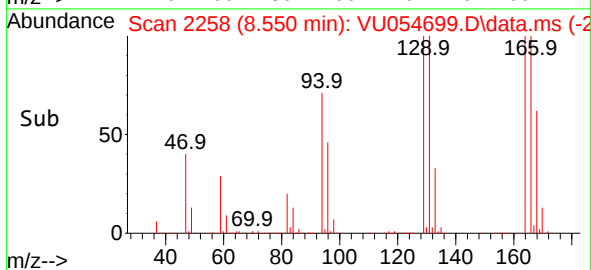
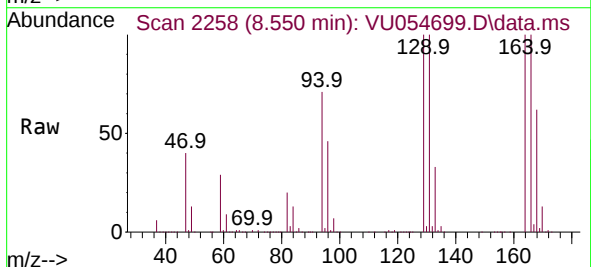
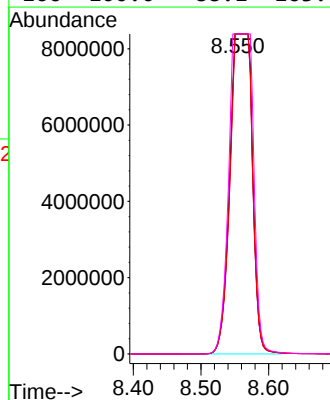
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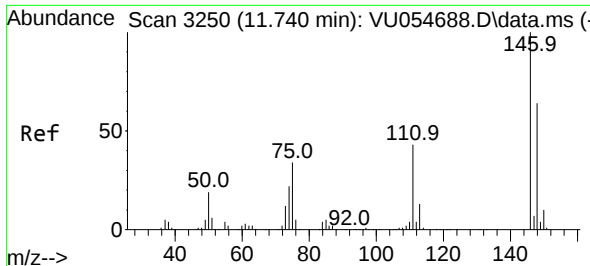
Lab File: VU054699.D

Acq: 29 Jun 2023 16:48

Tgt Ion:164 Resp:19217460

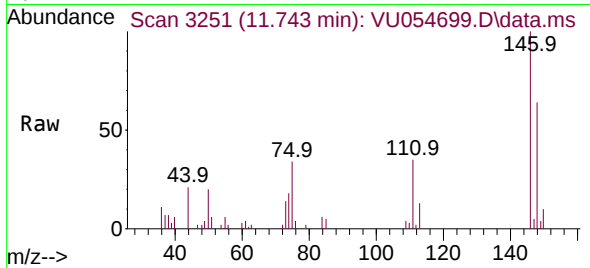
Ion	Ratio	Lower	Upper
164	100		
129	100.0	67.7	125.7
131	100.0	64.6	120.0
166	100.0	88.1	163.7





#64
1,3-Dichlorobenzene
Concen: 0.231 ug/L
RT: 11.743 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU054699.D
Acq: 29 Jun 2023 16:48

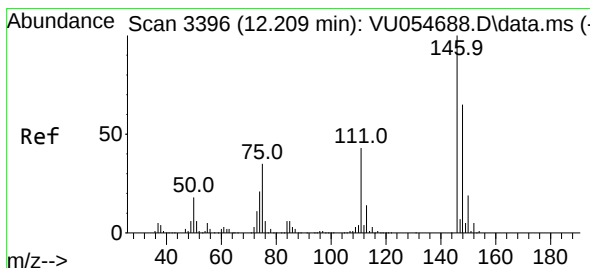
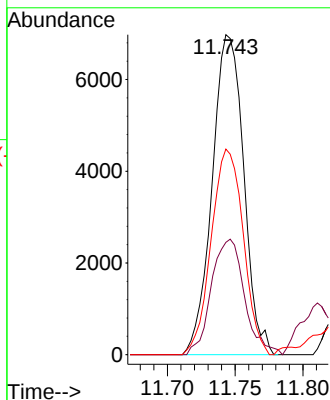
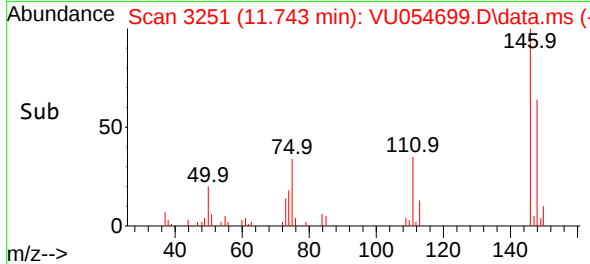
Instrument :
MSVOA_U
ClientSampleId :
HOA45



Tgt Ion:146 Resp: 11289
Ion Ratio Lower Upper
146 100
111 35.1 28.9 53.7
148 64.3 44.0 81.8

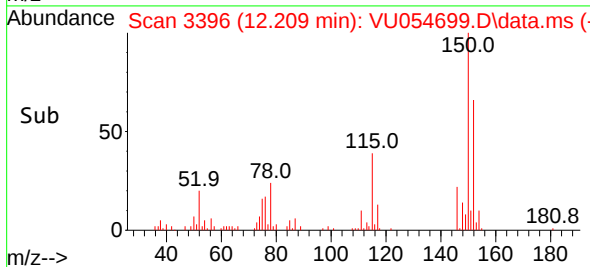
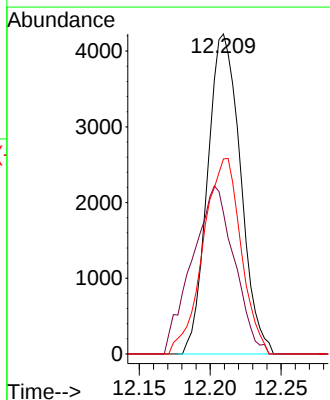
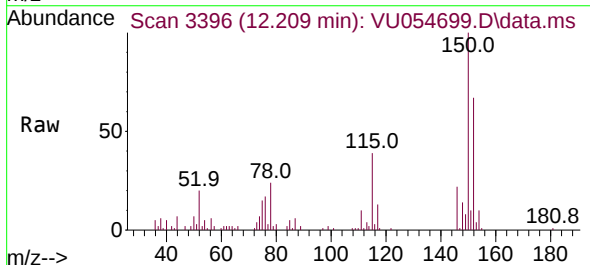
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Supervised By :Mahesh Dadoda 06/30/2023



#67
1,2-Dichlorobenzene
Concen: 0.152 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. 0.000 min
Lab File: VU054699.D
Acq: 29 Jun 2023 16:48

Tgt Ion:146 Resp: 6836
Ion Ratio Lower Upper
146 100
111 44.1 34.5 51.7
148 61.0 50.9 76.3



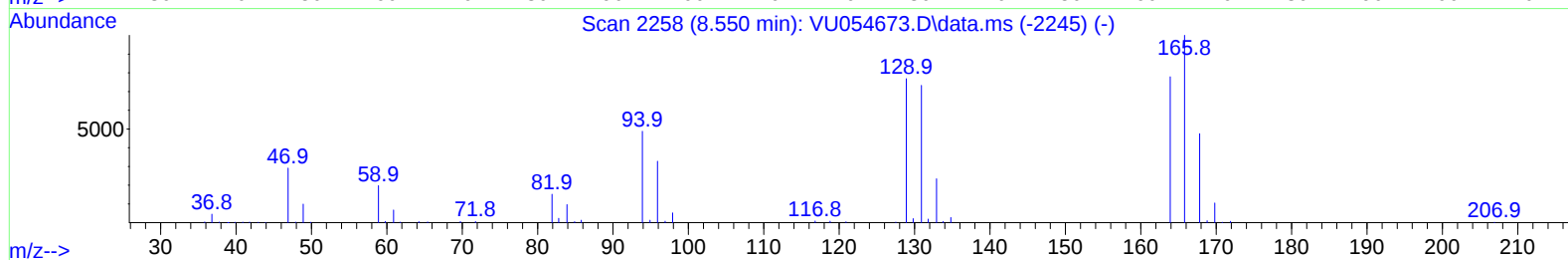
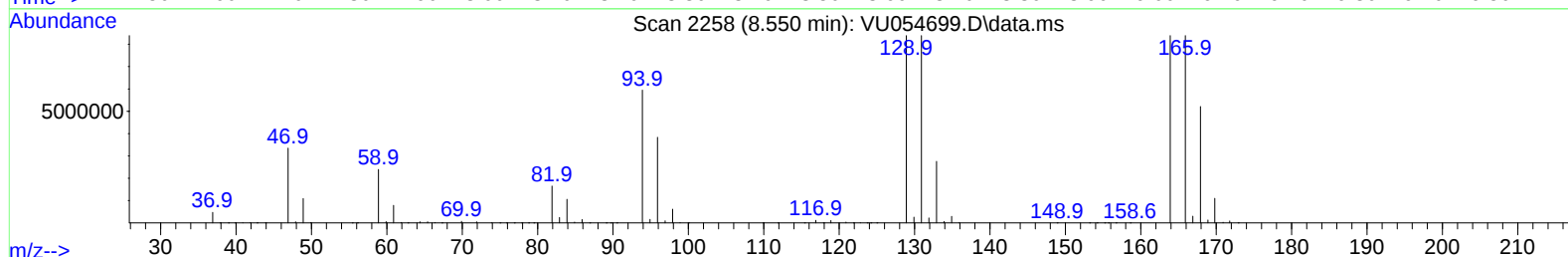
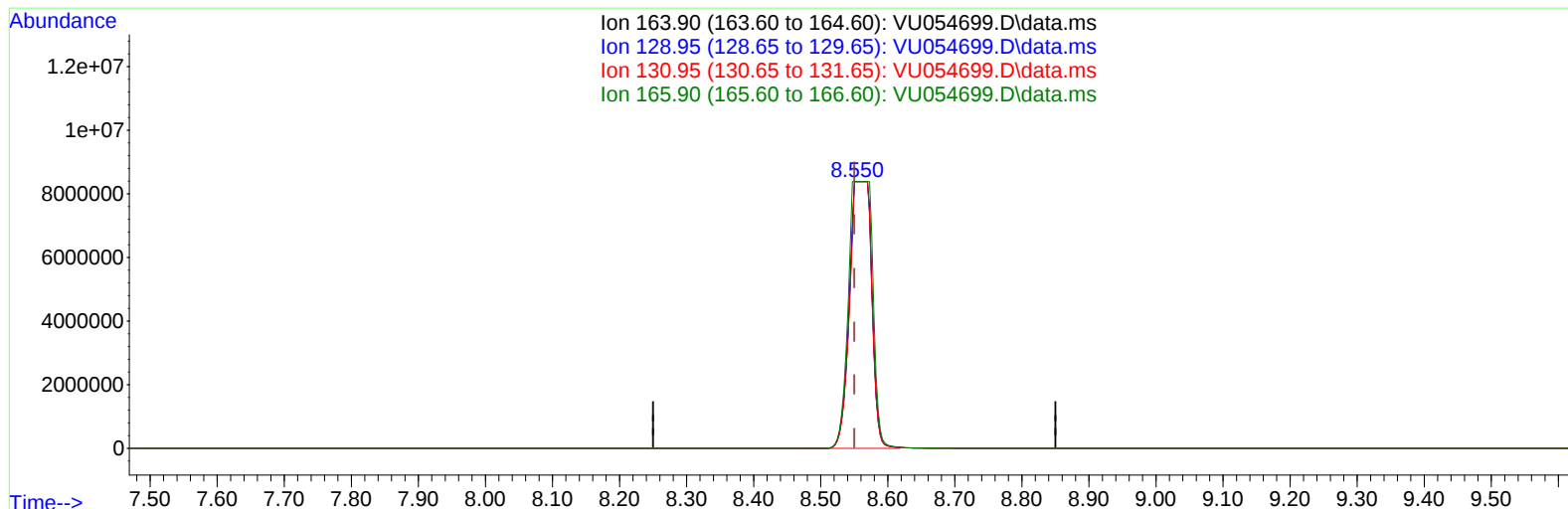
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Data File : VU054699.D
Acq On : 29 Jun 2023 16:48
Operator : MD/SY
Sample : 03477-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
HOA45

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023

Quant Time: Jun 30 05:20:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jun 23 23:55:46 2023
Response via : Initial Calibration



TIC: VU054699.D\data.ms

(47) Tetrachloroethene (T)

8.550min (+ 0.000) 852.40 ug/L m

response 19217460

Ion	Exp%	Act%
163.90	100.00	100.00
128.95	96.70	100.00
130.95	92.30	100.00
165.90	125.90	100.00

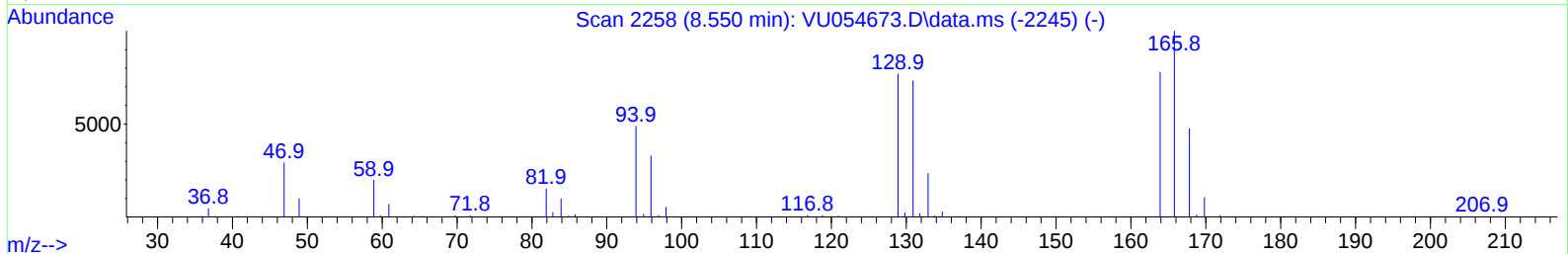
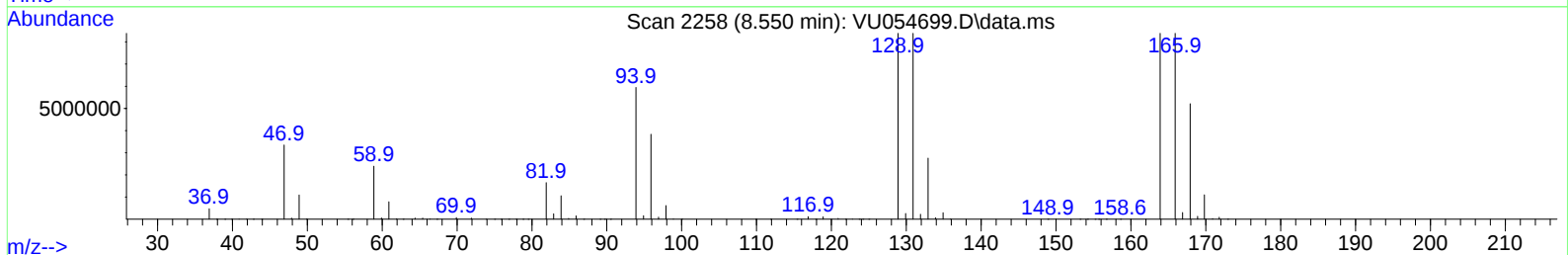
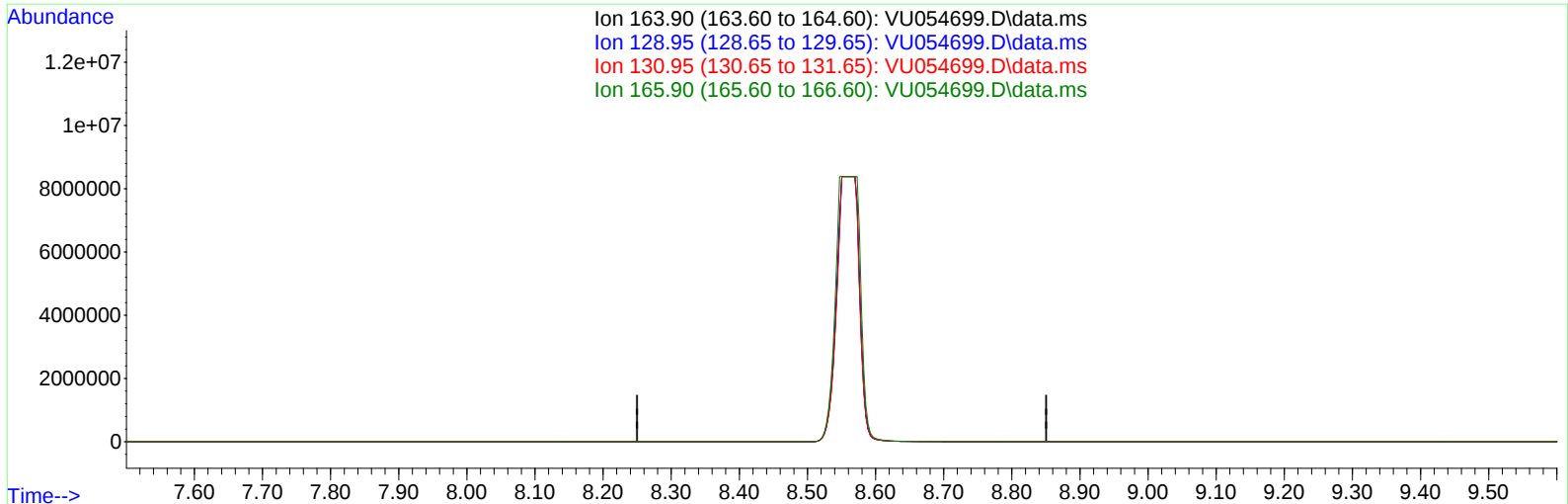
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062923\
 Data File : VU054699.D
 Acq On : 29 Jun 2023 16:48
 Operator : MD/SY
 Sample : 03477-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HOA45

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/30/2023
 Supervised By :Mahesh Dadoda 06/30/2023

Quant Time: Jun 30 05:20:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 23 23:55:46 2023
 Response via : Initial Calibration



TIC: VU054699.D\data.ms

(47) Tetrachloroethene (T)

8.550min (-8.550) 0.00 ug/L

response 0

Ion	Exp%	Act%
163.90	100.00	0.00
128.95	96.70	0.00#
130.95	92.30	0.00#
165.90	125.90	0.00#

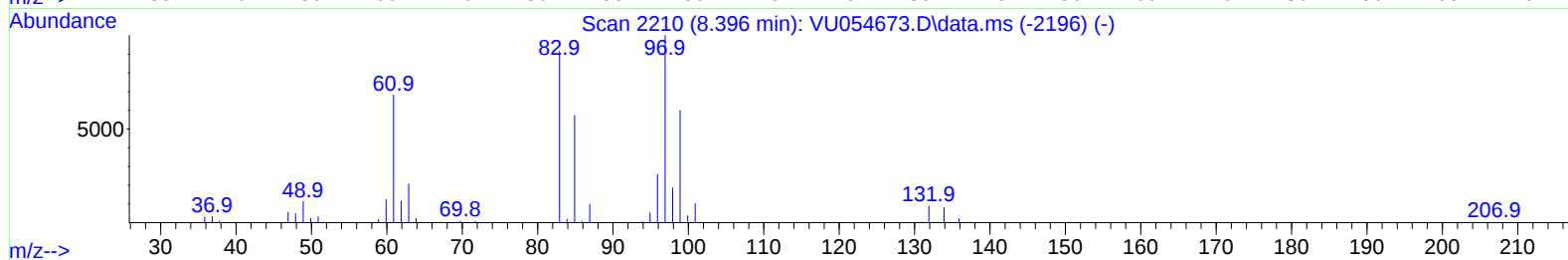
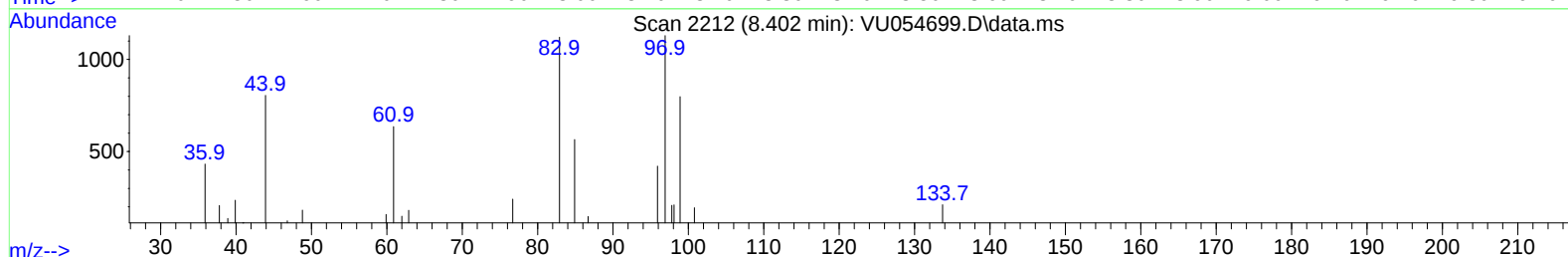
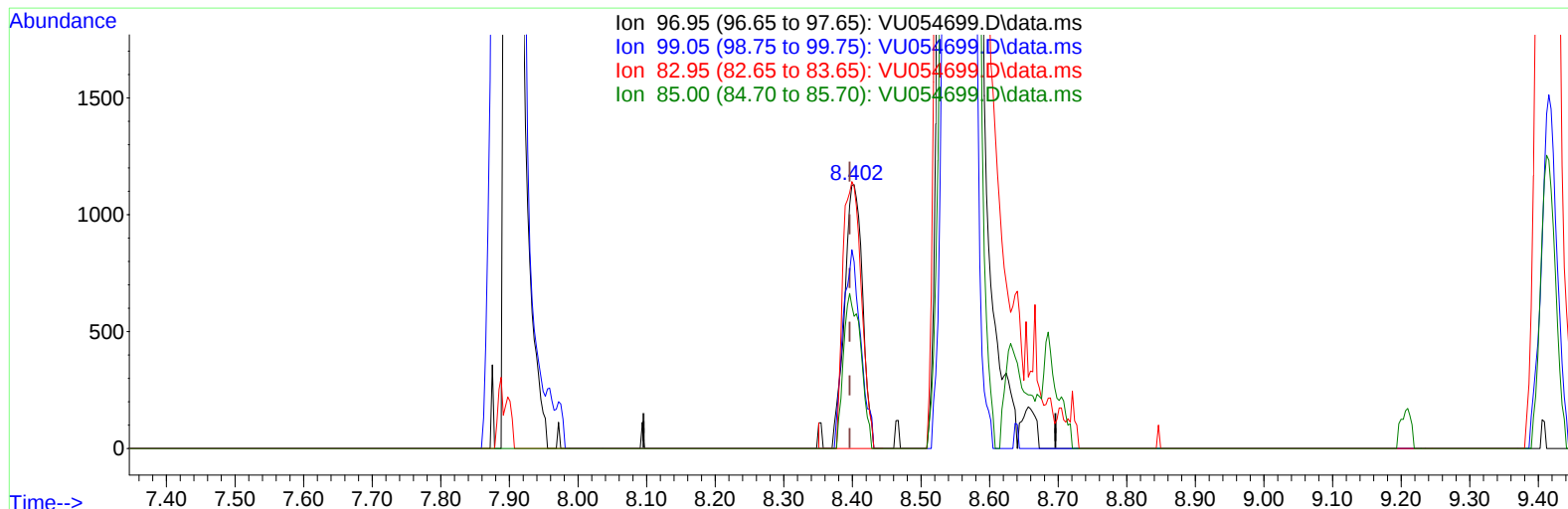
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 Data File : VU054699.D
 Acq On : 29 Jun 2023 16:48
 Operator : MD/SY
 Sample : 03477-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HOA45

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/30/2023
 Supervised By :Mahesh Dadoda 06/30/2023

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 QLast Update : Fri Jun 23 23:55:46 2023
 Response via : Initial Calibration



TIC: VU054699.D\data.ms

(45) 1,1,2-Trichloroethane (T)

8.402min (+ 0.007) 0.11 ug/L m

response	2088	
Ion	Exp%	Act%
96.95	100.00	100.00
99.05	61.50	70.68
82.95	91.20	99.20
85.00	59.00	50.04

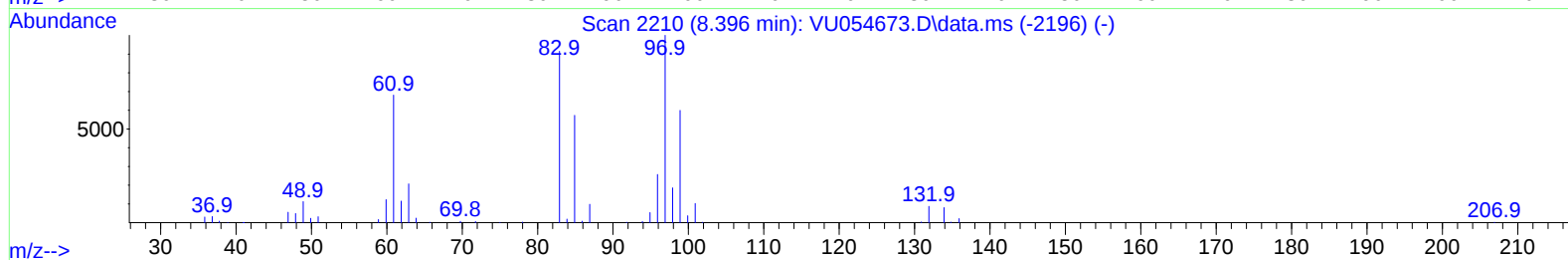
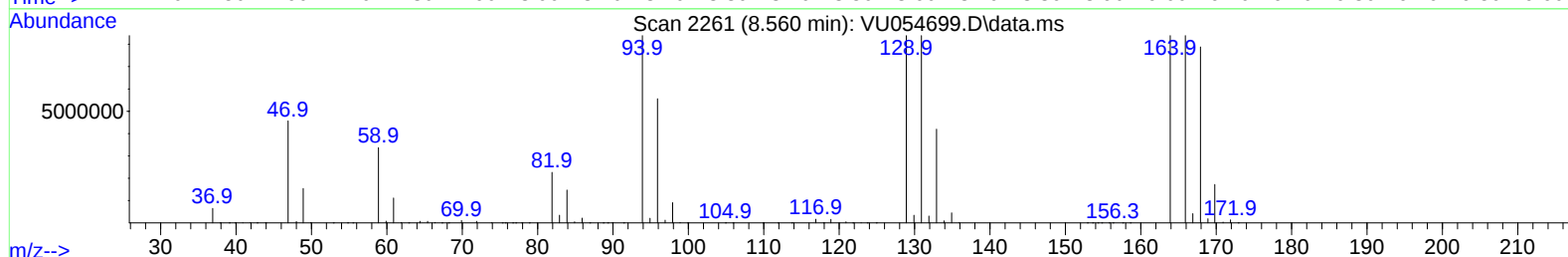
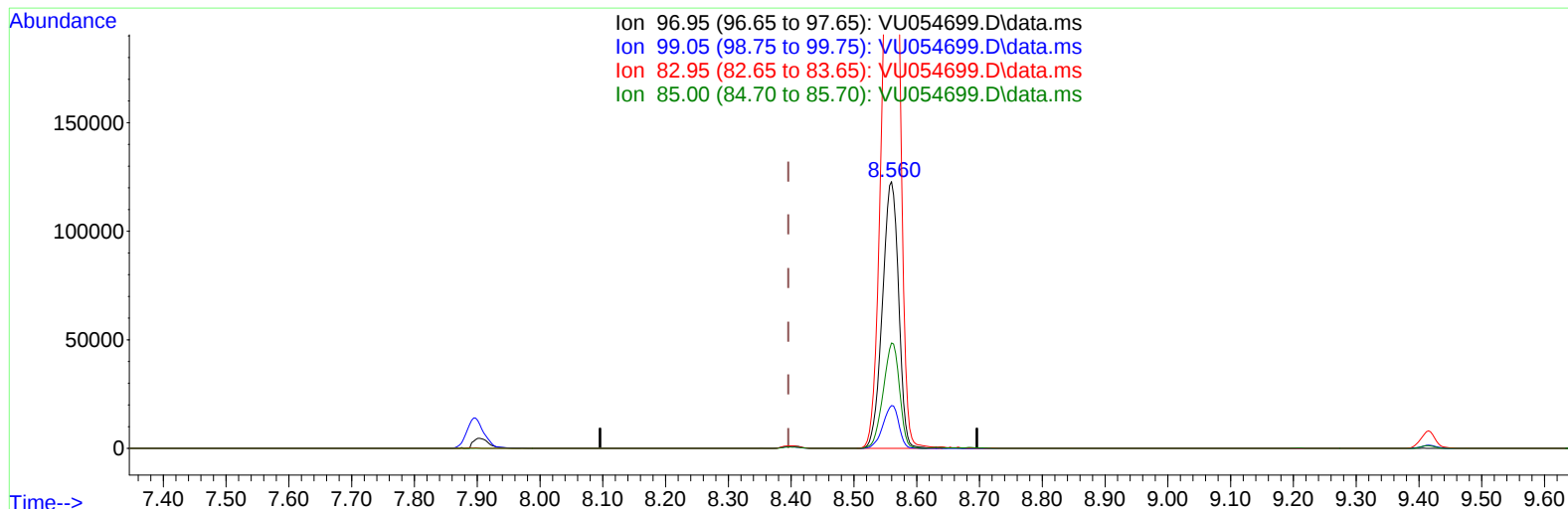
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062923\
 Data File : VU054699.D
 Acq On : 29 Jun 2023 16:48
 Operator : MD/SY
 Sample : 03477-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HOA45

Manual Integrations APPROVED

Reviewed By :Krupa Patel 06/30/2023
 Supervised By :Mahesh Dadoda 06/30/2023

Quant Time: Jun 30 05:20:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 23 23:55:46 2023
 Response via : Initial Calibration



TIC: VU054699.D\data.ms

(45) 1,1,2-Trichloroethane (T)

8.560min (+ 0.164) 11.52 ug/L

response 220697

Ion	Exp%	Act%
96.95	100.00	100.00
99.05	61.50	16.06#
82.95	91.20	276.73#
85.00	59.00	39.57#