

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042823\
 Data File : VU053954.D
 Acq On : 27 Apr 2023 22:53
 Operator : JC/MD
 Sample : 02528-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HOA33

Quant Time: Apr 28 07:22:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 27 05:52:18 2023
 Response via : Initial Calibration

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

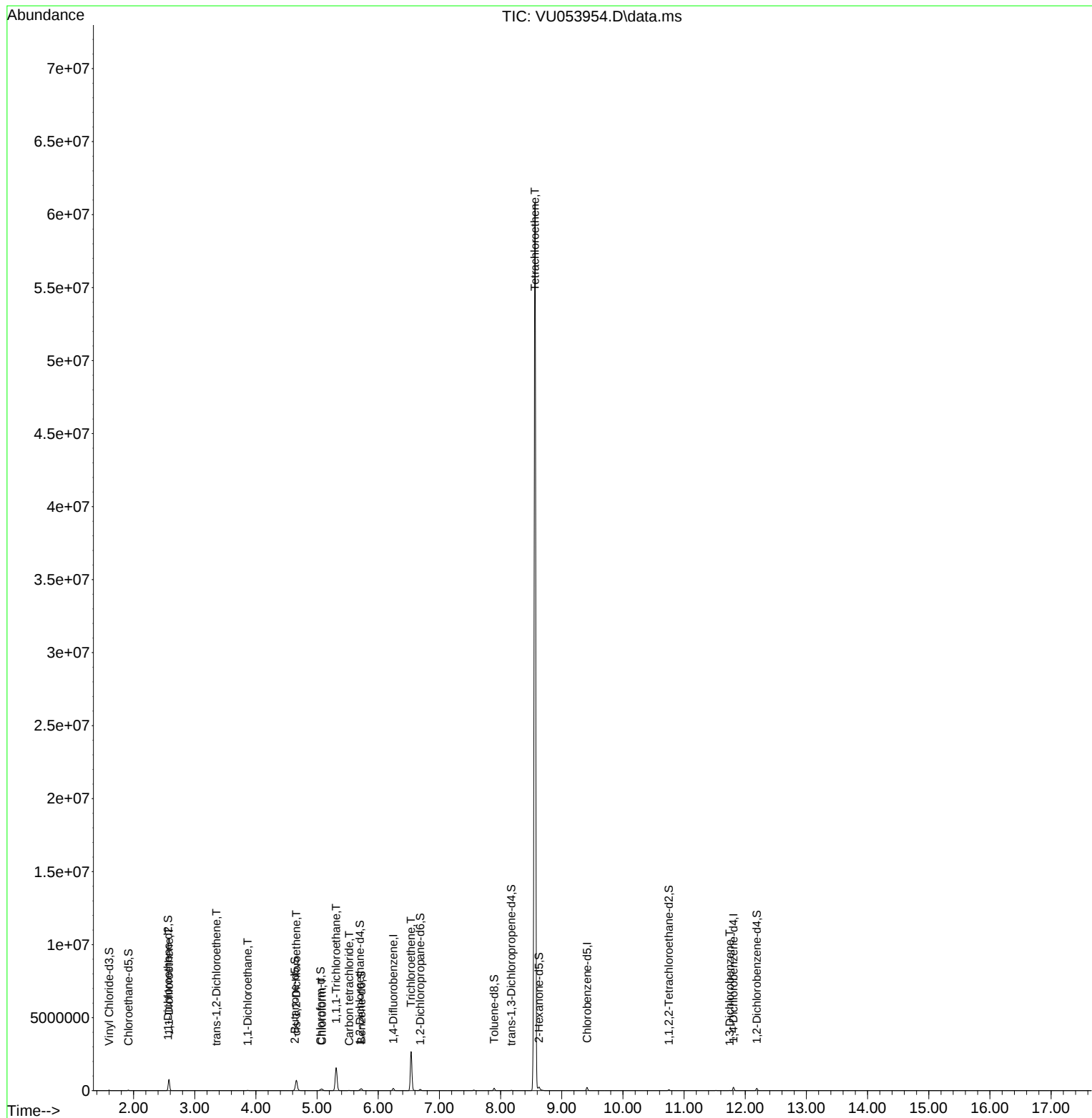
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	137629	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	130784	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	64862	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	27986	3.338	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.800%
7) Chloroethane-d5	1.916	69	26974	3.834	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.600%
11) 1,1-Dichloroethene-d2	2.565	65	13065	3.787	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.800%
20) 2-Butanone-d5	4.636	46	77166	50.258	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.520%
24) Chloroform-d	5.057	84	70308	4.451	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
26) 1,2-Dichloroethane-d4	5.700	65	32693	4.478	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
32) Benzene-d6	5.723	84	130255	4.228	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	6.687	67	42954	4.608	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.200%
41) Toluene-d8	7.893	98	115321	4.011	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.200%
43) trans-1,3-Dichloroprop...	8.176	79	15064	4.109	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.200%
46) 2-Hexanone-d5	8.629	63	65931	50.822	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.640%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	33086	4.393	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.800%
66) 1,2-Dichlorobenzene-d4	12.189	152	43887	4.219	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.400%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.578	96	267667	30.920	ug/L	# 78
18) trans-1,2-Dichloroethene	3.353	96	2165	0.247	ug/L	89
19) 1,1-Dichloroethane	3.864	63	23566	1.489	ug/L	99
22) cis-1,2-Dichloroethene	4.662	96	382384	38.749	ug/L	97
25) Chloroform	5.083	83	71333	4.149	ug/L	99
29) 1,1,1-Trichloroethane	5.311	97	1145892	77.940	ug/L	98
31) Carbon tetrachloride	5.523	117	12612	0.987	ug/L	95
34) Trichloroethene	6.536	95	909293	90.516	ug/L	99
47) Tetrachloroethene	8.562	164	14749978	1852.524	ug/L	90
64) 1,3-Dichlorobenzene	11.745	146	5555	0.285	ug/L	92

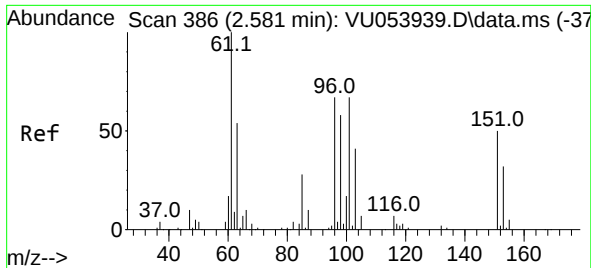
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 30.920 ug/L

RT: 2.578 min Scan# 386

Delta R.T. 0.000 min

Lab File: VU053954.D

Acq: 27 Apr 2023 22:53

Instrument :

MSVOA_U

ClientSampleId :

HOA33

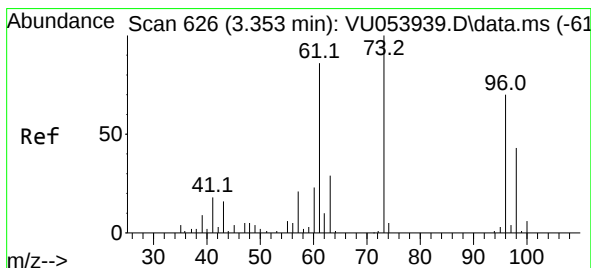
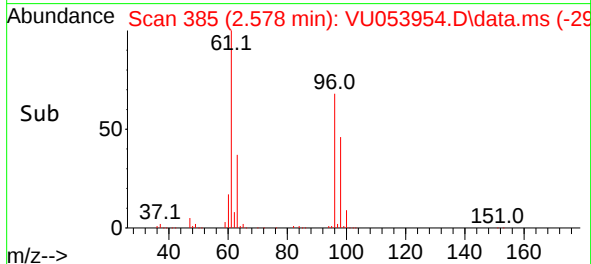
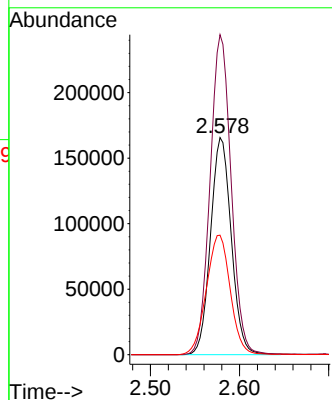
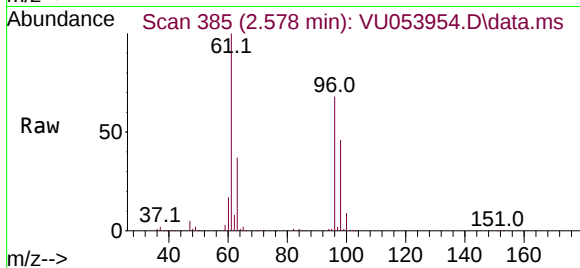
Tgt Ion: 96 Resp: 267667

Ion Ratio Lower Upper

96 100

61 147.4 111.5 207.1

63 55.1 68.7 127.7#



#18

trans-1,2-Dichloroethene

Concen: 0.247 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU053954.D

Acq: 27 Apr 2023 22:53

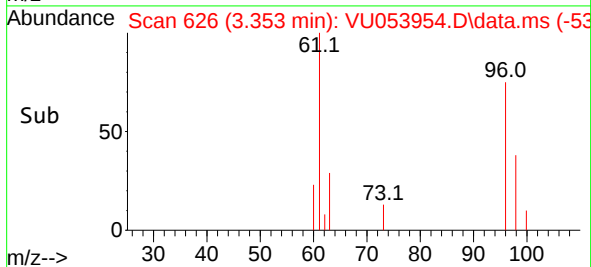
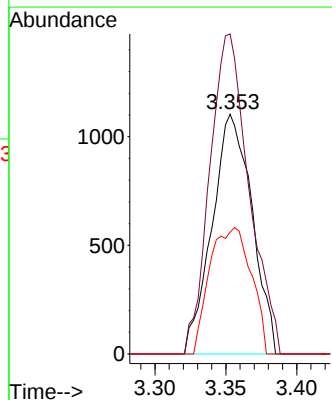
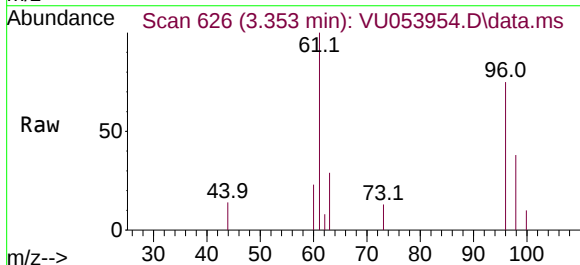
Tgt Ion: 96 Resp: 2165

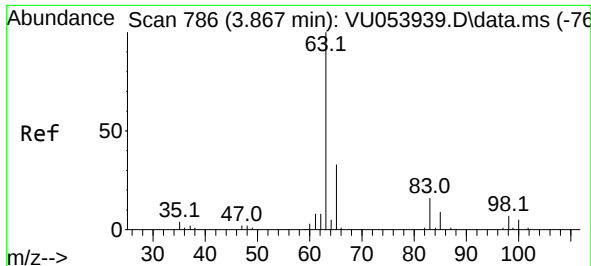
Ion Ratio Lower Upper

96 100

61 133.5 86.2 160.0

98 50.9 42.8 79.4





#19

1,1-Dichloroethane

Concen: 1.489 ug/L

RT: 3.864 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU053954.D

Acq: 27 Apr 2023 22:53

Instrument :

MSVOA_U

ClientSampleId :

HOA33

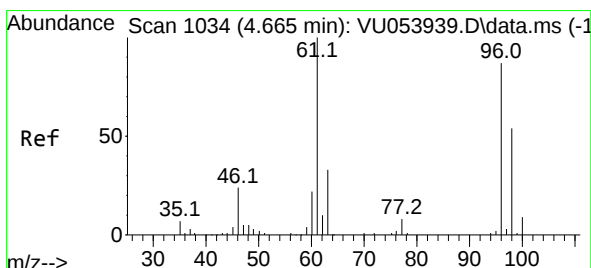
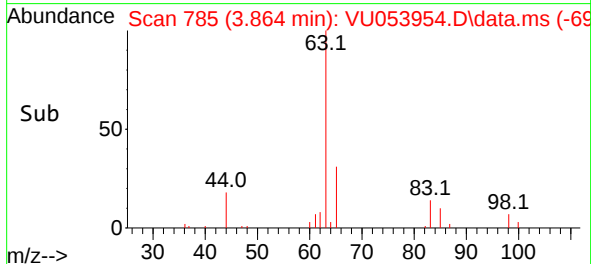
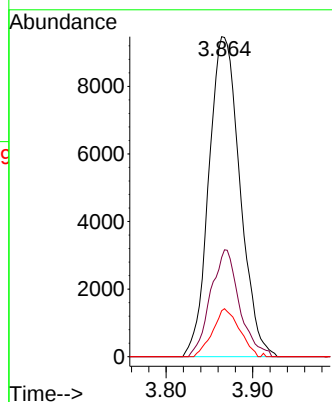
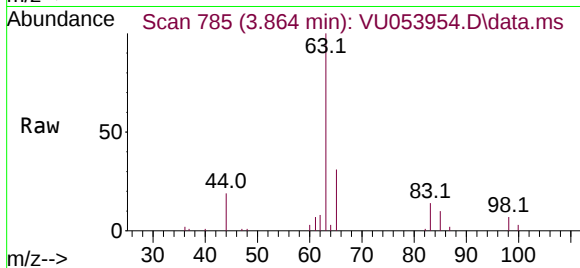
Tgt Ion: 63 Resp: 23566

Ion Ratio Lower Upper

63 100

65 31.0 22.0 40.8

83 14.3 10.3 19.1



#22

cis-1,2-Dichloroethene

Concen: 38.749 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU053954.D

Acq: 27 Apr 2023 22:53

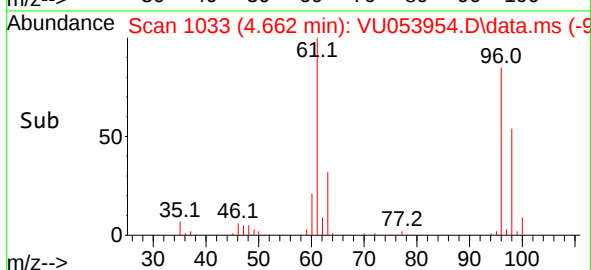
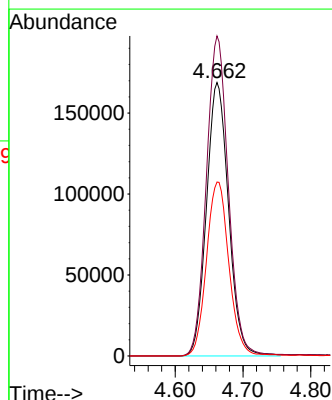
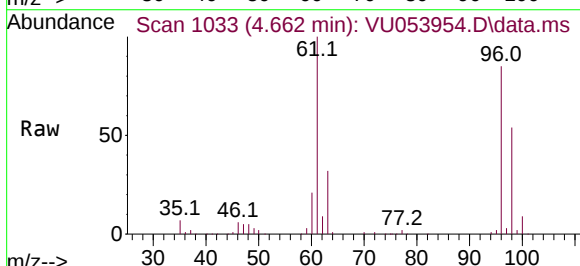
Tgt Ion: 96 Resp: 382384

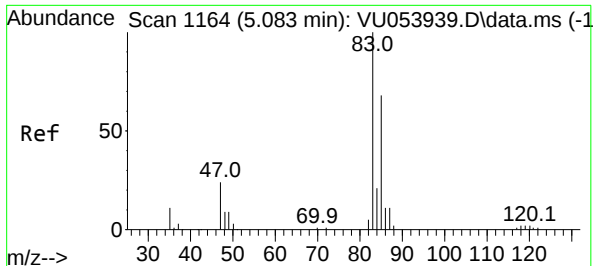
Ion Ratio Lower Upper

96 100

61 117.0 84.3 156.5

98 63.6 46.4 86.2





#25

Chloroform

Concen: 4.149 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU053954.D

Acq: 27 Apr 2023 22:53

Instrument :

MSVOA_U

ClientSampleId :

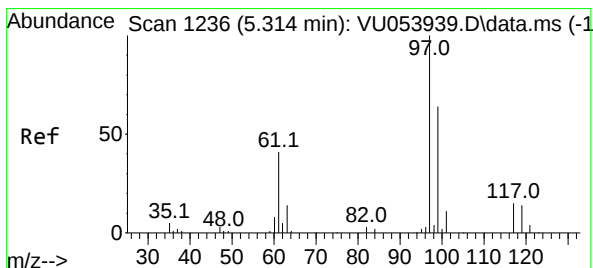
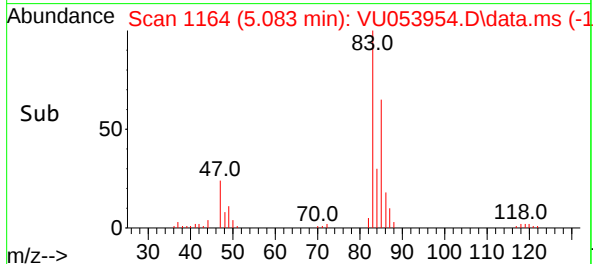
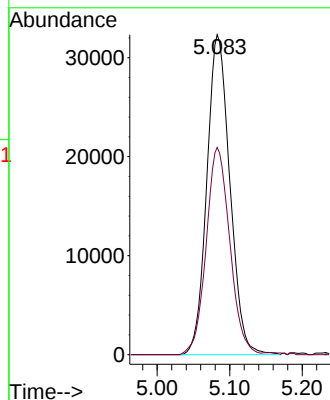
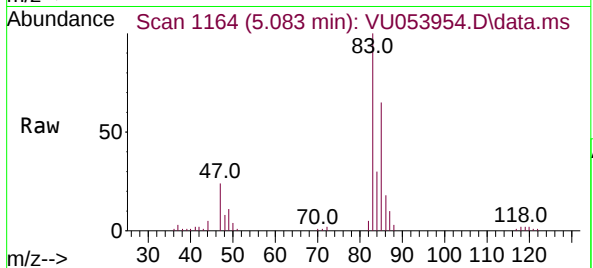
HOA33

Tgt Ion: 83 Resp: 71333

Ion Ratio Lower Upper

83 100

85 64.8 45.6 84.8



#29

1,1,1-Trichloroethane

Concen: 77.940 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.003 min

Lab File: VU053954.D

Acq: 27 Apr 2023 22:53

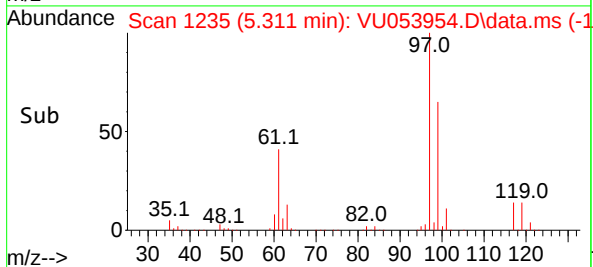
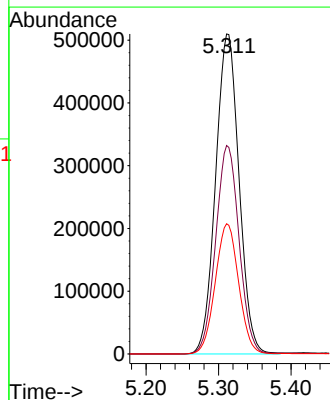
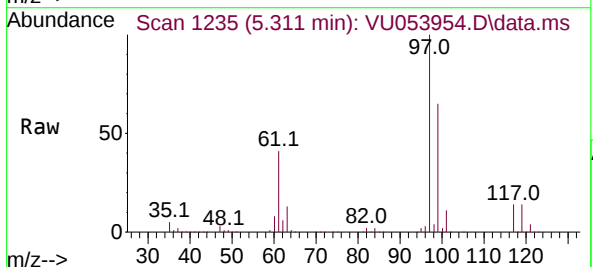
Tgt Ion: 97 Resp: 1145892

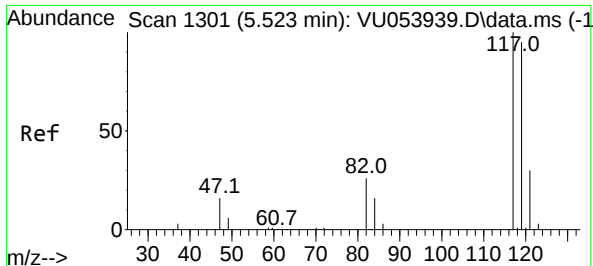
Ion Ratio Lower Upper

97 100

99 65.1 52.9 79.3

61 40.6 33.8 50.8

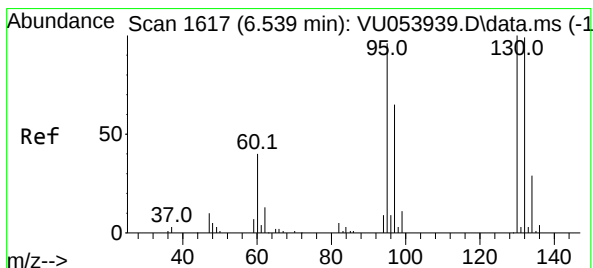
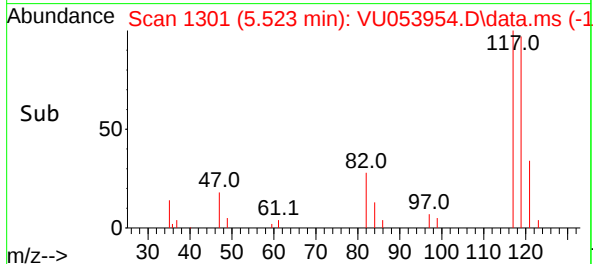
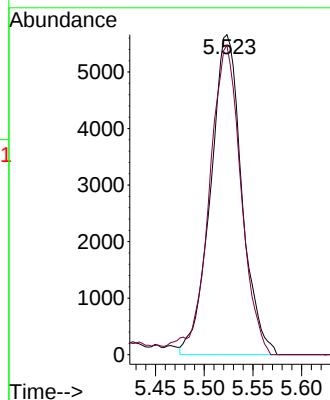
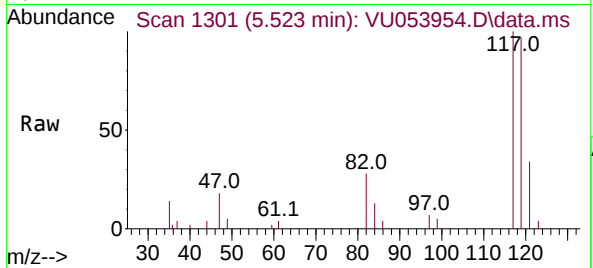




#31
Carbon tetrachloride
Concen: 0.987 ug/L
RT: 5.523 min Scan# 1170
Delta R.T. 0.003 min
Lab File: VU053954.D
Acq: 27 Apr 2023 22:53

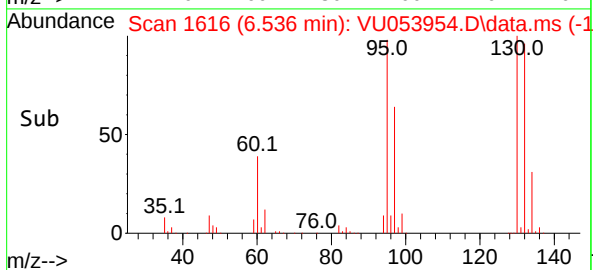
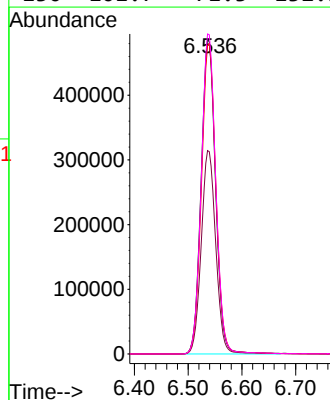
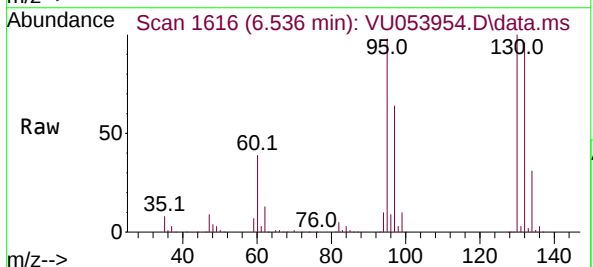
Instrument :
MSVOA_U
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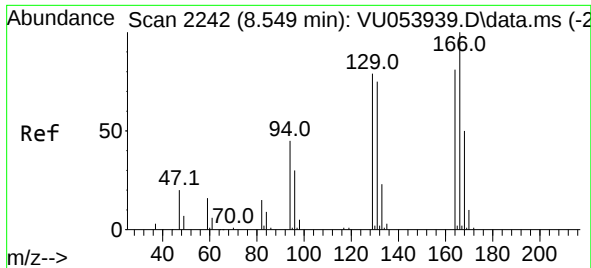
Tgt Ion:117 Resp: 12612
Ion Ratio Lower Upper
117 100
119 98.7 75.0 112.6



#34
Trichloroethene
Concen: 90.516 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053954.D
Acq: 27 Apr 2023 22:53

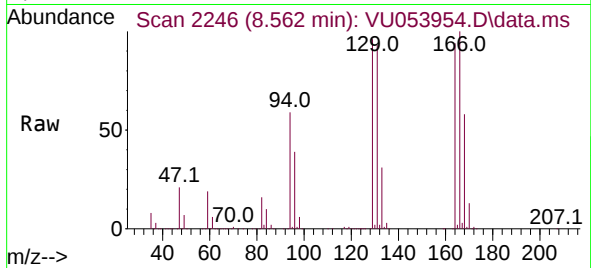
Tgt Ion: 95 Resp: 909293
Ion Ratio Lower Upper
95 100
97 64.6 45.1 83.9
132 98.0 69.9 129.9
130 101.7 71.3 132.3





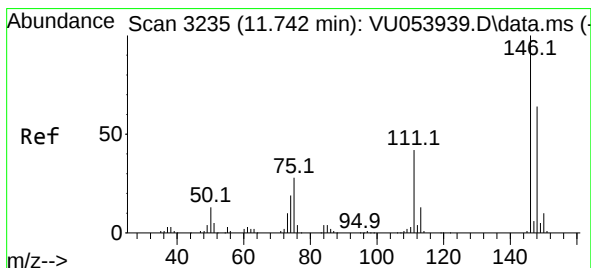
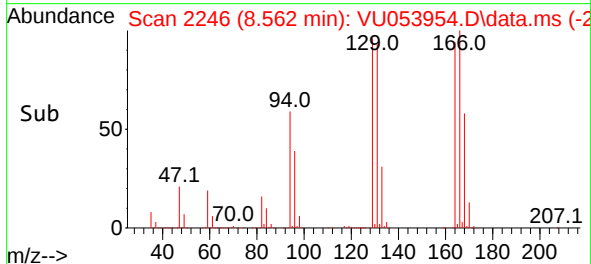
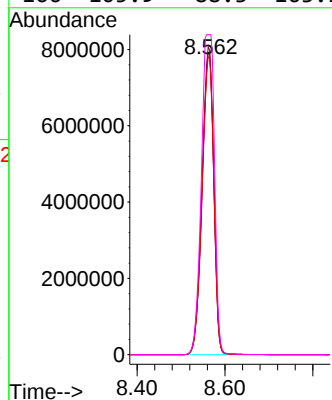
#47
Tetrachloroethene
Concen: 1852.524 ug/L
RT: 8.562 min Scan# 21
Delta R.T. 0.013 min
Lab File: VU053954.D
Acq: 27 Apr 2023 22:53

Instrument :
MSVOA_U
ClientSampleId :
HOA33



Tgt Ion:164 Resp:14749978

Ion	Ratio	Lower	Upper
164	100		
129	101.8	68.3	126.8
131	98.6	64.4	119.6
166	105.9	88.3	163.9



#64
1,3-Dichlorobenzene
Concen: 0.285 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU053954.D
Acq: 27 Apr 2023 22:53

Tgt Ion:146 Resp: 5555

Ion	Ratio	Lower	Upper
146	100		
111	36.3	27.9	51.9
148	55.5	43.7	81.1

