

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053547.D
 Acq On : 04 Apr 2023 02:43
 Operator : JC/MD
 Sample : 02158-27
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-1(20230328)

Quant Time: Apr 04 06:58:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

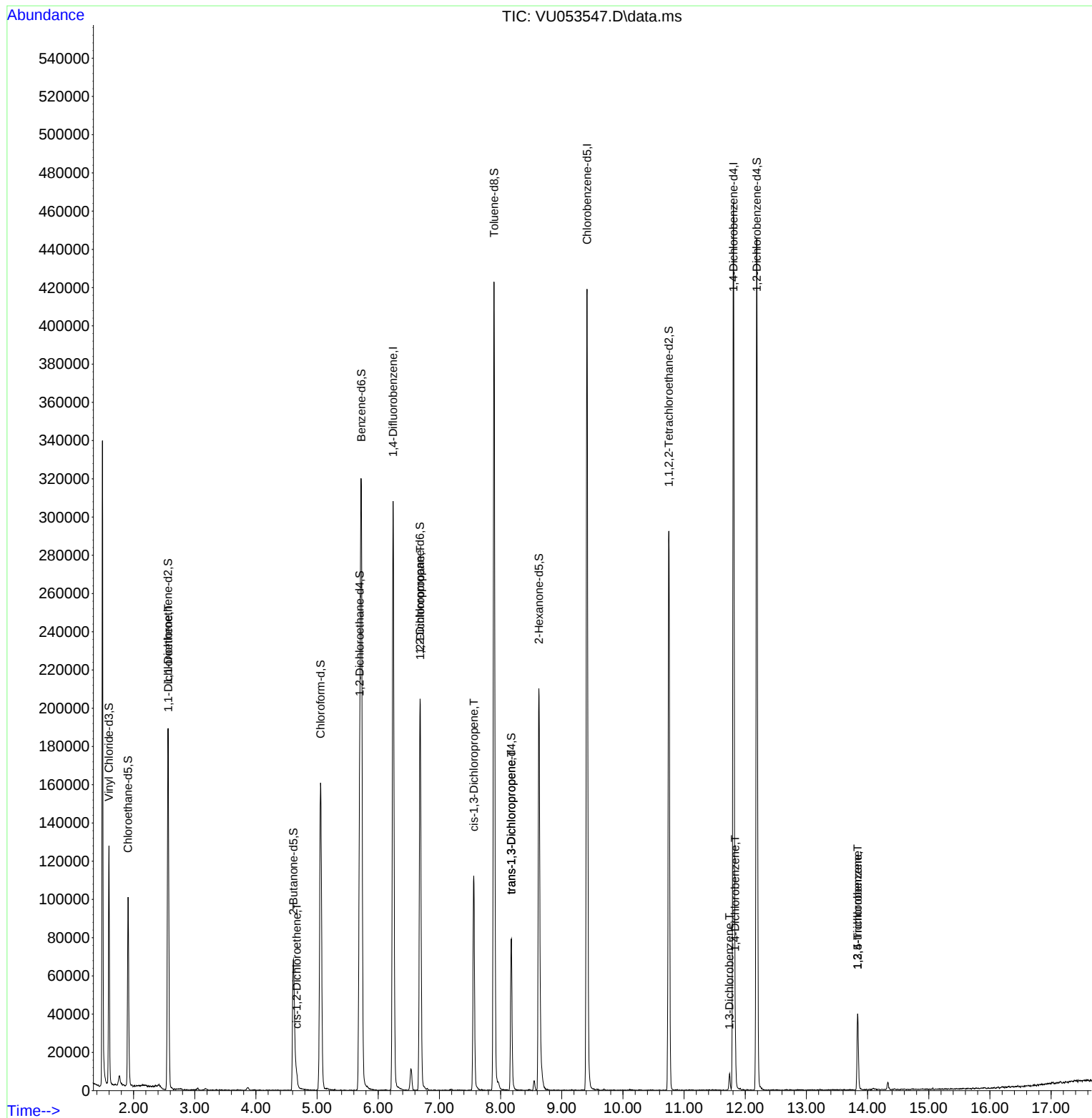
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	264518	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	247932	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	125315	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	85733	41.624	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	83.240%	
7) Chloroethane-d5	1.909	69	75302	47.417	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	94.840%	
11) 1,1-Dichloroethene-d2	2.565	63	106693	33.463	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	66.920%	
21) 2-Butanone-d5	4.613	46	100180	107.427	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	107.430%	
24) Chloroform-d	5.057	84	153823	45.157	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	90.320%	
26) 1,2-Dichloroethane-d4	5.697	65	101280	50.317	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	100.640%	
32) Benzene-d6	5.723	84	317174	47.393	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	94.780%	
36) 1,2-Dichloropropane-d6	6.684	67	101859	49.795	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	99.600%	
41) Toluene-d8	7.893	98	293639	44.145	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	88.300%	
43) trans-1,3-Dichloroprop...	8.176	79	45627	43.212	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	86.420%	
47) 2-Hexanone-d5	8.626	63	77593	111.146	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	111.150%	
56) 1,1,2,2-Tetrachloroeth...	10.751	84	142718	49.502	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	99.000%	
66) 1,2-Dichlorobenzene-d4	12.189	152	117727	45.007	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	90.020%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.568	96	1608	0.991	ug/L #	1
20) cis-1,2-Dichloroethene	4.668	96	2687	1.426	ug/L	98
37) 1,2-Dichloropropane	6.687	63	10842	6.610	ug/L #	86
39) cis-1,3-Dichloropropene	7.562	75	3110	1.160	ug/L #	64
44) trans-1,3-Dichloropropene	8.176	75	2052	0.810	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	3963	1.024	ug/L	86
65) 1,4-Dichlorobenzene	11.835	146	11813	2.994	ug/L	91
69) 1,3,5-Trichlorobenzene	13.838	180	13760	4.800	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	13760	5.177	ug/L	99

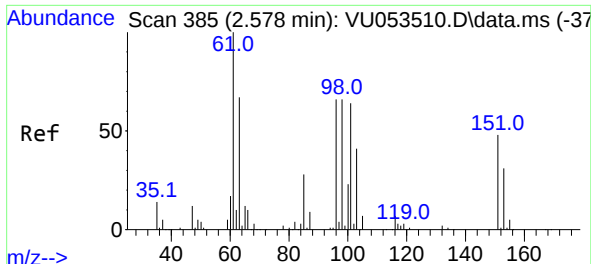
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 01 04:51:17 2023
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.991 ug/L

RT: 2.568 min Scan# 31

Delta R.T. -0.010 min

Lab File: VU053547.D

Acq: 04 Apr 2023 02:43

Instrument :

MSVOA_U

ClientSampleId :

DUP-1(20230328)

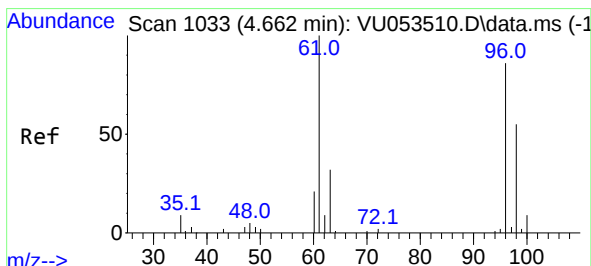
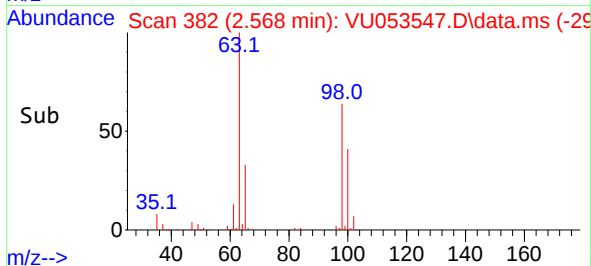
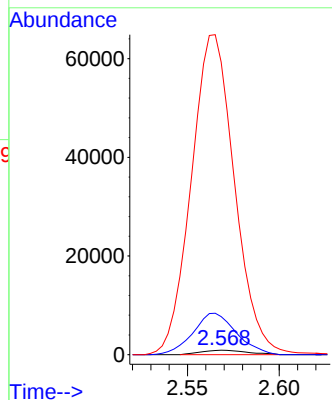
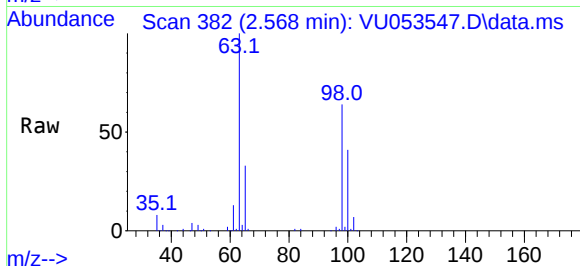
Tgt Ion: 96 Resp: 1608

Ion Ratio Lower Upper

96 100

61 854.3 107.9 200.5#

63 6554.7 79.1 146.9#



#20

cis-1,2-Dichloroethene

Concen: 1.426 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.007 min

Lab File: VU053547.D

Acq: 04 Apr 2023 02:43

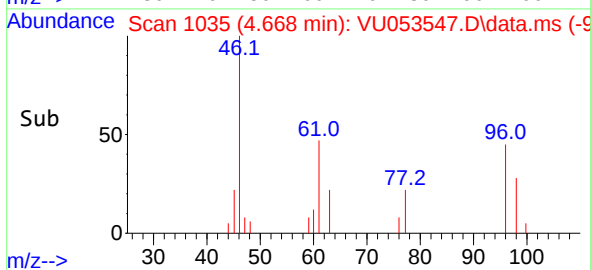
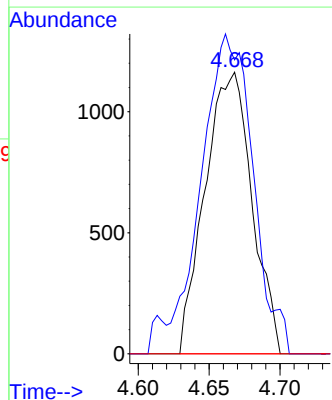
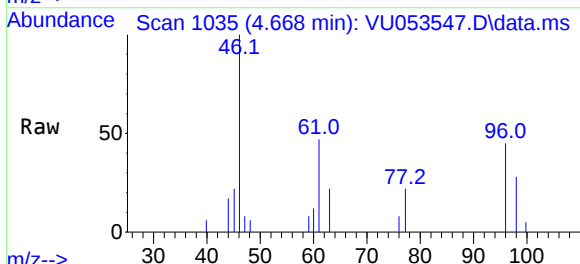
Tgt Ion: 96 Resp: 2687

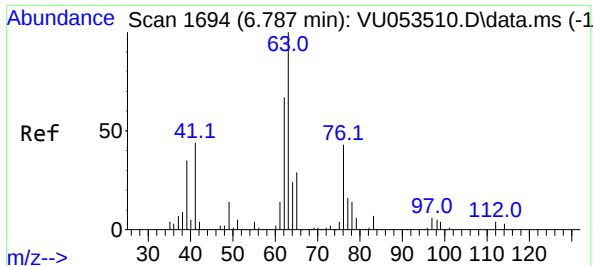
Ion Ratio Lower Upper

96 100

61 104.4 74.7 138.7

68 0.0 0.0 0.0

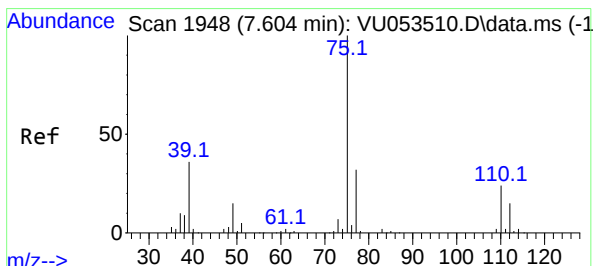
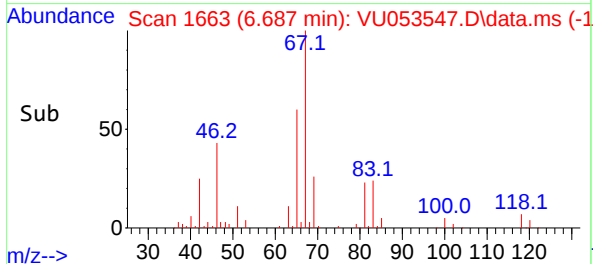
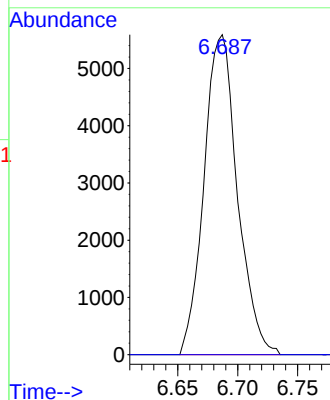
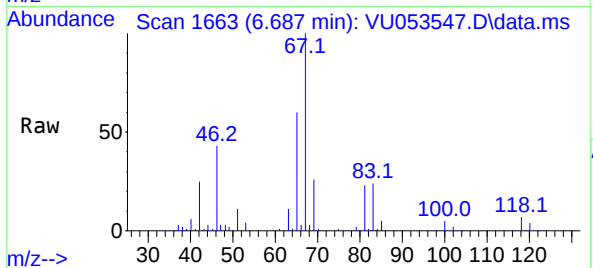




#37
1,2-Dichloropropane
Concen: 6.610 ug/L
RT: 6.687 min Scan# 1
Delta R.T. -0.096 min
Lab File: VU053547.D
Acq: 04 Apr 2023 02:43

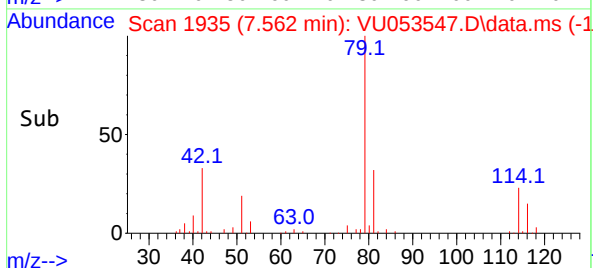
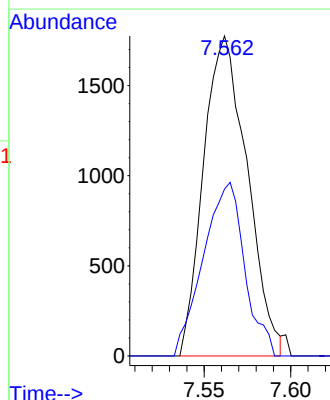
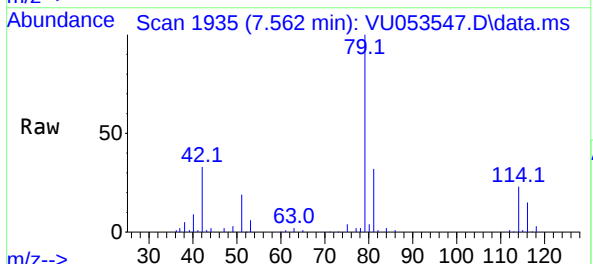
Instrument :
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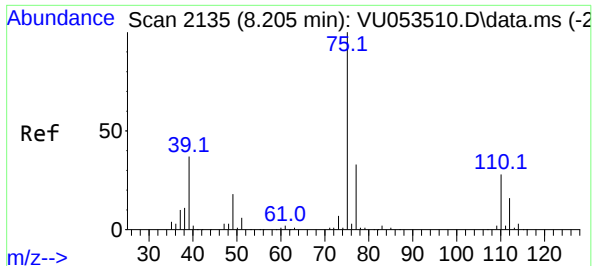
Tgt Ion: 63 Resp: 10842
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



#39
cis-1,3-Dichloropropene
Concen: 1.160 ug/L
RT: 7.562 min Scan# 1935
Delta R.T. -0.038 min
Lab File: VU053547.D
Acq: 04 Apr 2023 02:43

Tgt Ion: 75 Resp: 3110
Ion Ratio Lower Upper
75 100
77 52.2 22.5 41.7#

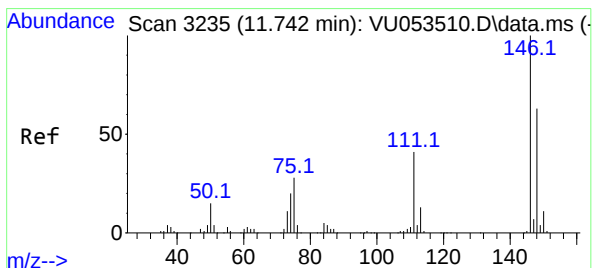
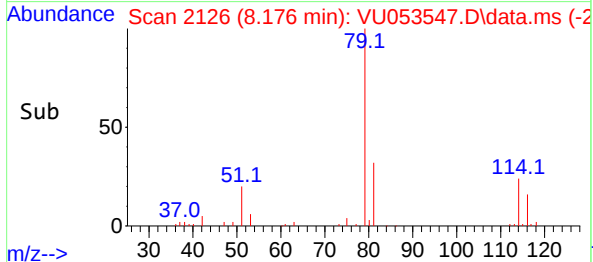
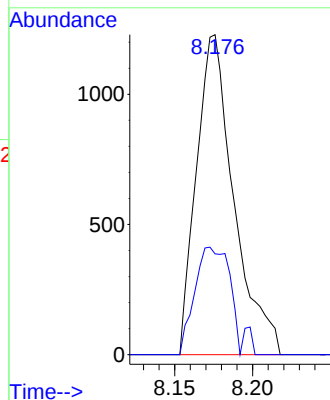
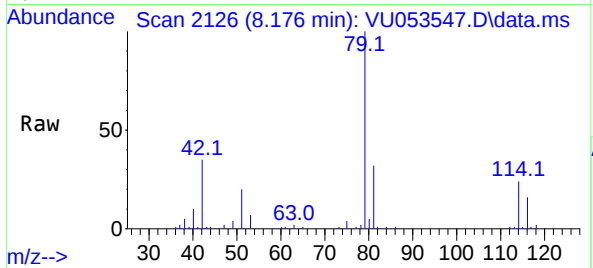




#44
trans-1,3-Dichloropropene
Concen: 0.810 ug/L
RT: 8.176 min Scan# 2135
Delta R.T. -0.029 min
Lab File: VU053547.D
Acq: 04 Apr 2023 02:43

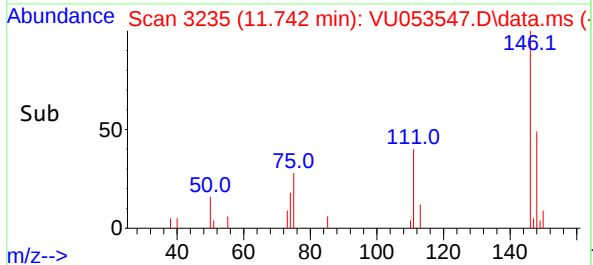
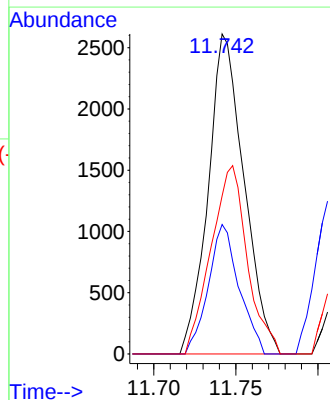
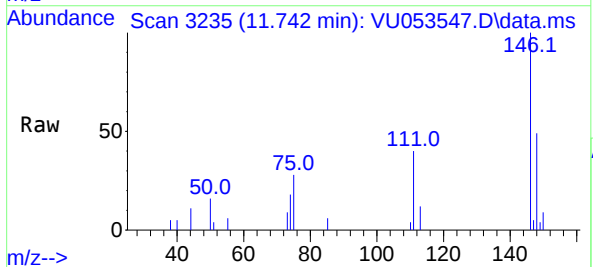
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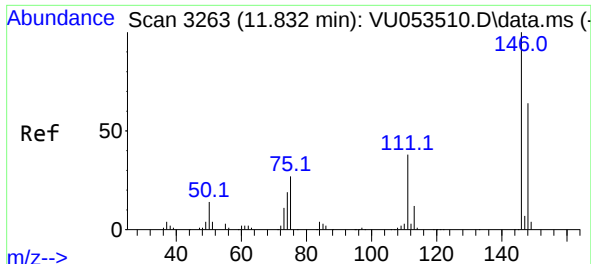
Tgt Ion: 75 Resp: 2052
Ion Ratio Lower Upper
75 100
77 31.5 21.8 40.4



#64
1,3-Dichlorobenzene
Concen: 1.024 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU053547.D
Acq: 04 Apr 2023 02:43

Tgt Ion: 146 Resp: 3963
Ion Ratio Lower Upper
146 100
111 40.5 25.7 47.7
148 49.4 44.2 82.2

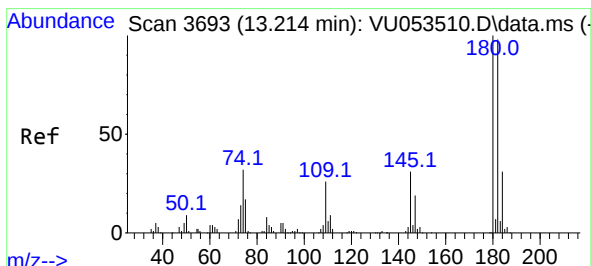
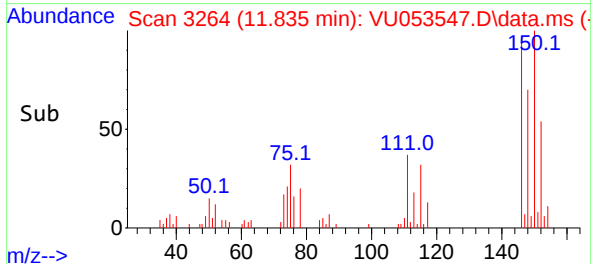
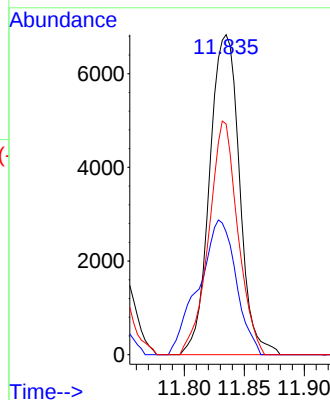
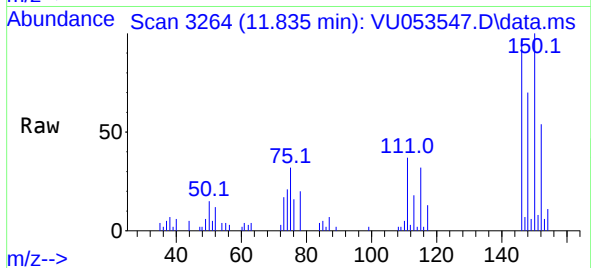




#65
1,4-Dichlorobenzene
Concen: 2.994 ug/L
RT: 11.835 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU053547.D
Acq: 04 Apr 2023 02:43

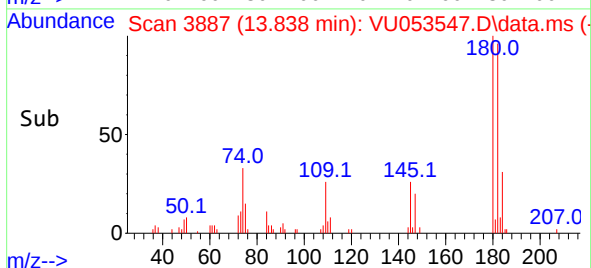
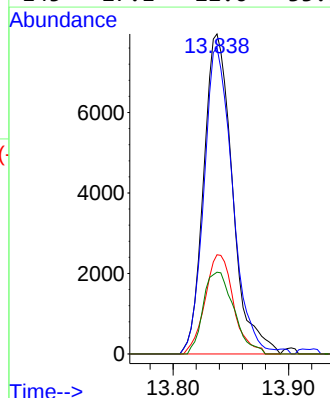
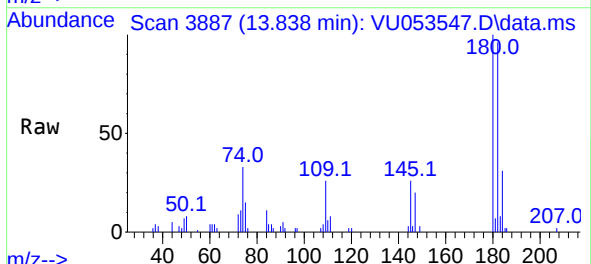
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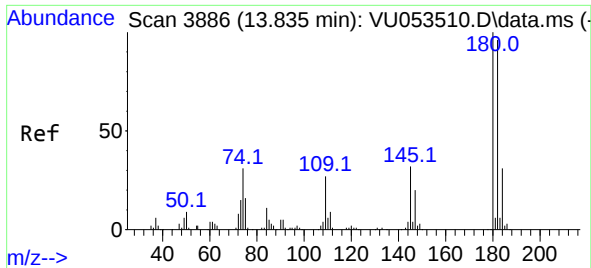
Tgt Ion:146	Resp:	11813
Ion	Ratio	Lower Upper
146	100	
111	38.3	25.1 46.5
148	72.1	44.3 82.3



#69
1,3,5-Trichlorobenzene
Concen: 4.800 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.624 min
Lab File: VU053547.D
Acq: 04 Apr 2023 02:43

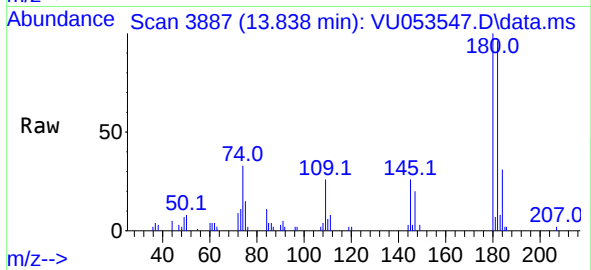
Tgt Ion:180	Resp:	13760
Ion	Ratio	Lower Upper
180	100	
182	95.0	75.6 113.4
184	30.8	24.2 36.2
145	27.1	22.6 33.8





#70
 1,2,4-trichlorobenzene
 Concen: 5.177 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.003 min
 Lab File: VU053547.D
 Acq: 04 Apr 2023 02:43

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion:	180	Resp:	13760
Ion Ratio	Lower	Upper	
180	100		
182	95.0	75.8	113.8
145	27.1	23.4	35.2

