

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090622\
 Data File : VU050643.D
 Acq On : 06 Sep 2022 18:55
 Operator : SY/MD
 Sample : N4482-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 07 01:41:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 07 01:37:50 2022
 Response via : Initial Calibration

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

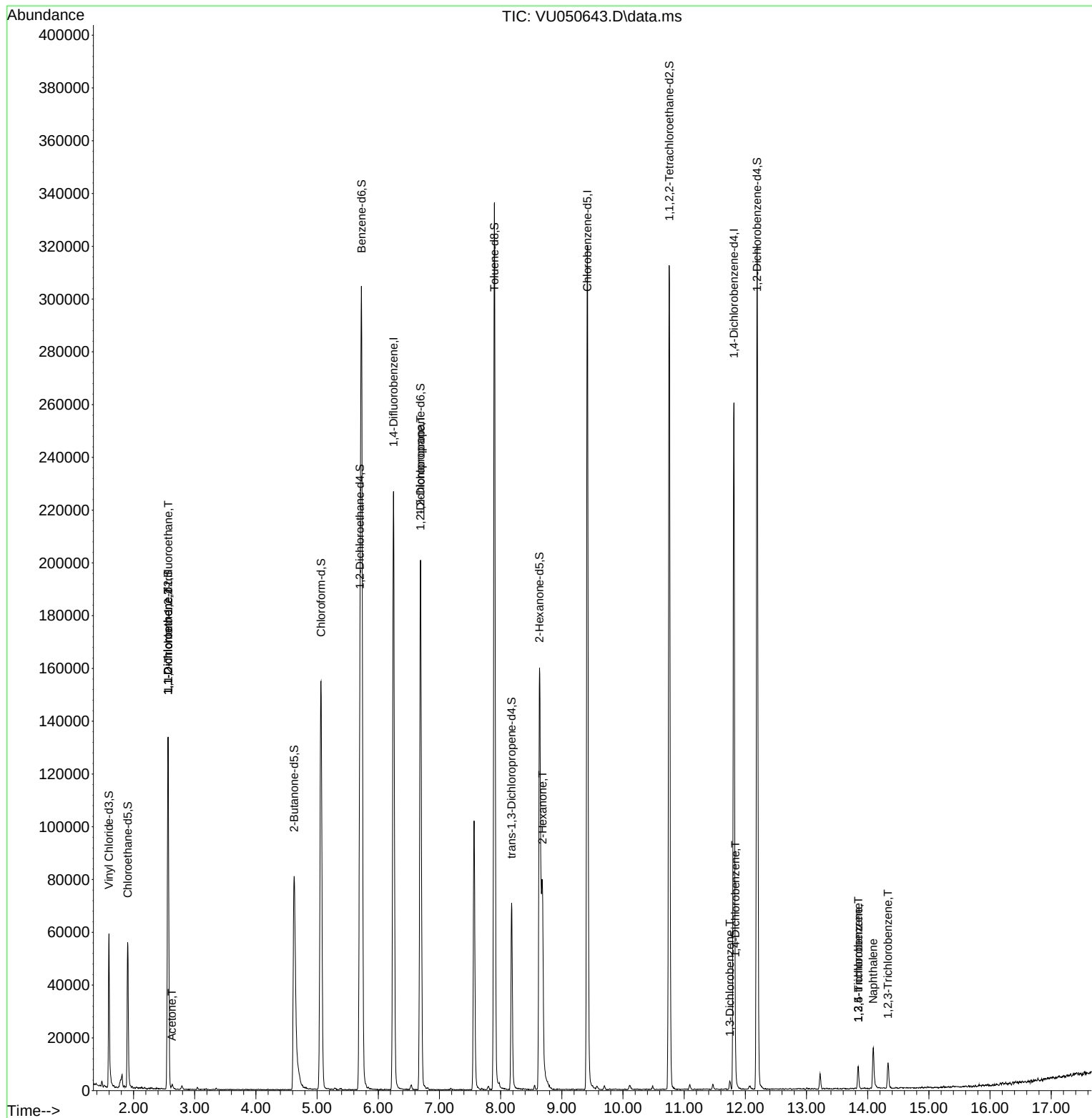
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	188865	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	186075	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	72247	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	46461	28.762	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	57.520%#	
7) Chloroethane-d5	1.903	69	42053	38.497	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	77.000%	
11) 1,1-Dichloroethene-d2	2.562	63	80111	28.064	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	56.120%#	
21) 2-Butanone-d5	4.623	46	121797	103.055	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	103.060%	
24) Chloroform-d	5.064	84	152015	49.652	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	99.300%	
26) 1,2-Dichloroethane-d4	5.700	65	103047	55.080	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	110.160%	
32) Benzene-d6	5.726	84	286152	46.535	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	93.060%	
36) 1,2-Dichloropropane-d6	6.691	67	98041	48.562	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	97.120%	
41) Toluene-d8	7.896	98	232865	44.283	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	88.560%	
43) trans-1,3-Dichloroprop...	8.179	79	40546	48.539	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	97.080%	
47) 2-Hexanone-d5	8.633	63	46926	92.405	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	92.410%	
56) 1,1,2,2-Tetrachloroeth...	10.755	84	158956	52.029	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	104.060%	
66) 1,2-Dichlorobenzene-d4	12.192	152	87868	51.954	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	103.900%	
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	955	0.647	ug/L #	24
12) 1,1-Dichloroethene	2.562	96	819	0.571	ug/L #	1
13) Acetone	2.626	43	2210	2.479	ug/L	92
37) 1,2-Dichloropropane	6.687	63	10290	5.753	ug/L #	89
48) 2-Hexanone	8.684	43	37320	16.405	ug/L	91
64) 1,3-Dichlorobenzene	11.745	146	1809	0.719	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	2065	0.830	ug/L	85
69) 1,3,5-Trichlorobenzene	13.845	180	3551	1.945	ug/L	94
70) 1,2,4-trichlorobenzene	13.845	180	3551	2.290	ug/L	93
71) Naphthalene	14.089	128	15541	2.827	ug/L	96
72) 1,2,3-Trichlorobenzene	14.330	180	3881	2.311	ug/L	98

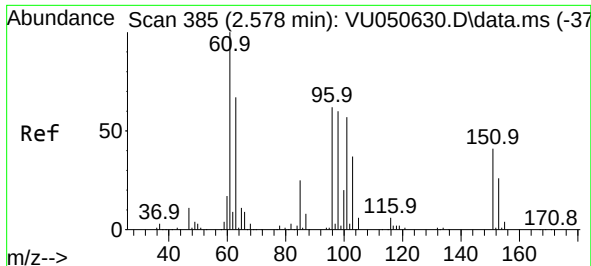
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.647 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.013 min

Lab File: VU050643.D

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Instrument :

MSVOA_U

ClientSampleId :

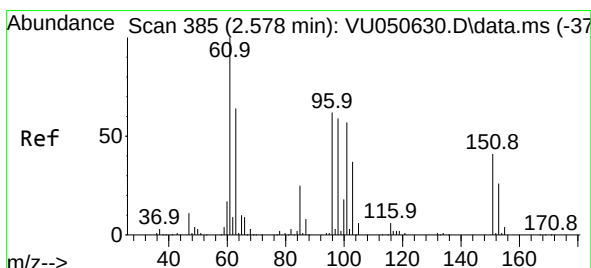
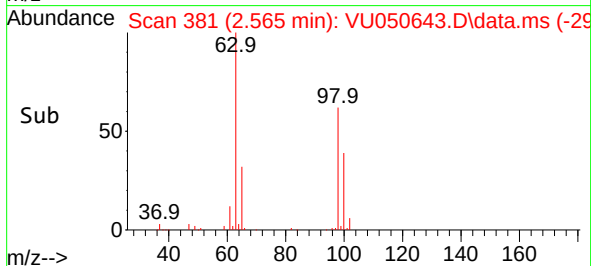
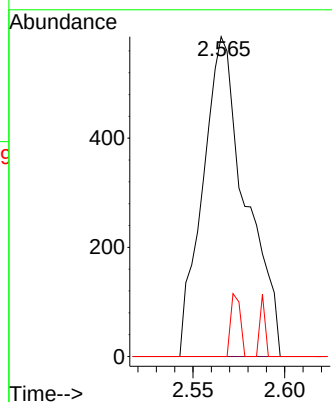
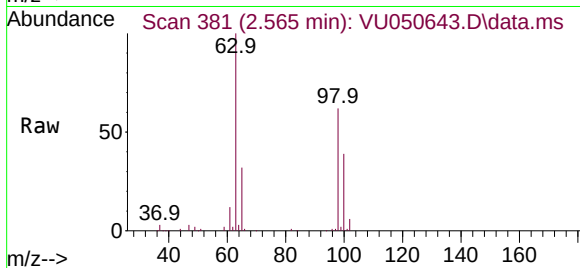
Tgt Ion:101 Resp: 955

Ion Ratio Lower Upper

101 100

85 0.0 34.4 51.6#

151 4.3 57.7 86.5#



#12

1,1-Dichloroethene

Concen: 0.571 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.016 min

Lab File: VU050643.D

Acq: 06 Sep 2022 18:55

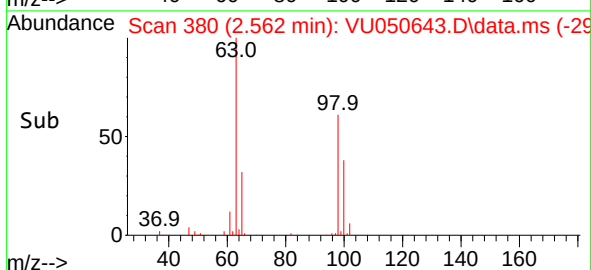
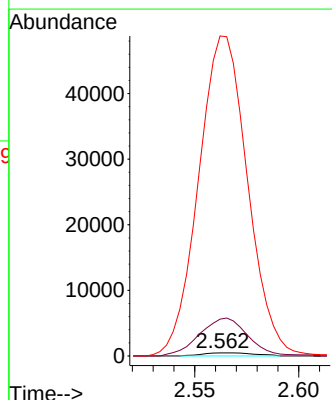
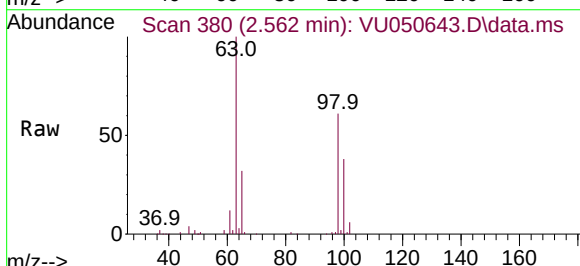
Tgt Ion: 96 Resp: 819

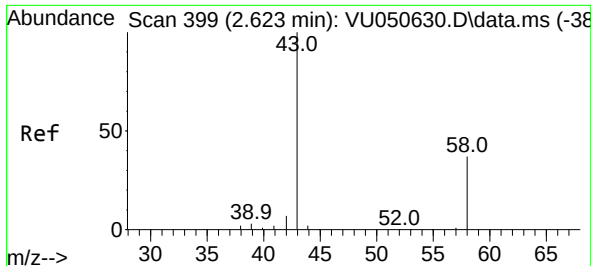
Ion Ratio Lower Upper

96 100

61 1203.4 118.0 219.1#

63 10442.8 79.5 147.7#





#13

Acetone

Concen: 2.479 ug/L

RT: 2.626 min Scan# 40

Delta R.T. 0.004 min

Lab File: VU050643.D

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Instrument :

MSVOA_U

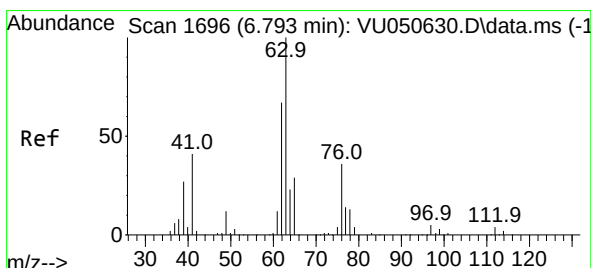
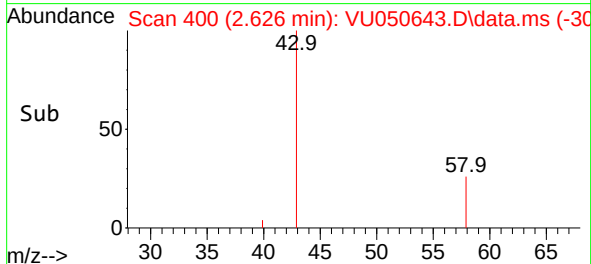
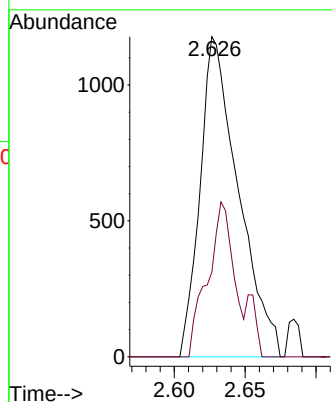
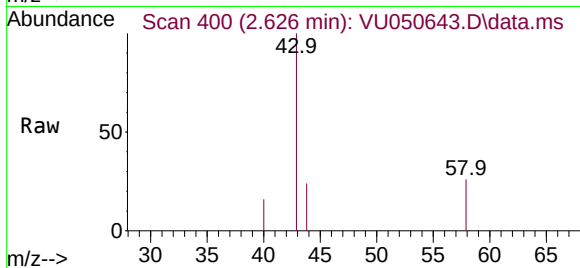
ClientSampleId :

Tgt Ion: 43 Resp: 2210

Ion Ratio Lower Upper

43 100

58 33.0 0.0 76.2



#37

1,2-Dichloropropane

Concen: 5.753 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.106 min

Lab File: VU050643.D

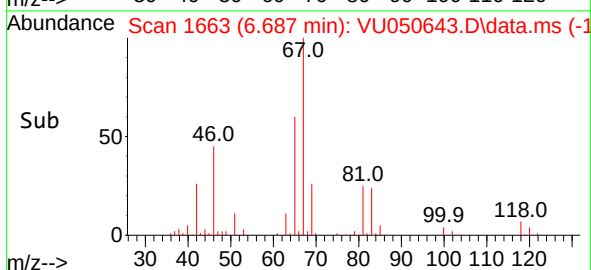
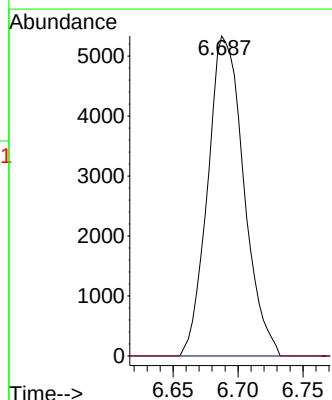
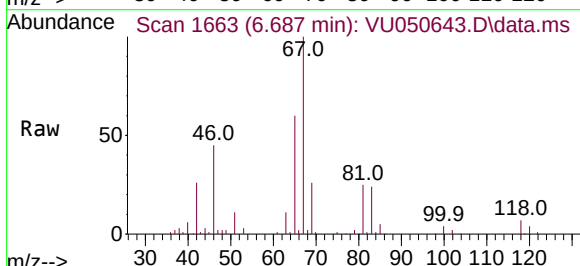
Acq: 06 Sep 2022 18:55

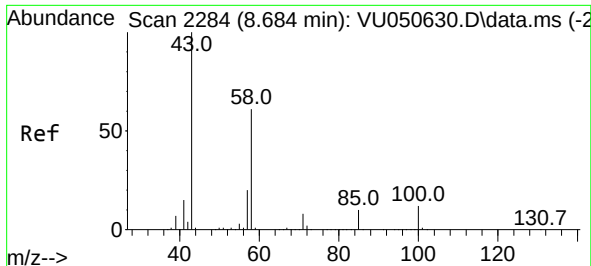
Tgt Ion: 63 Resp: 10290

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#

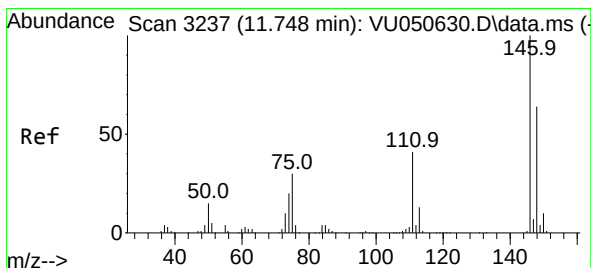
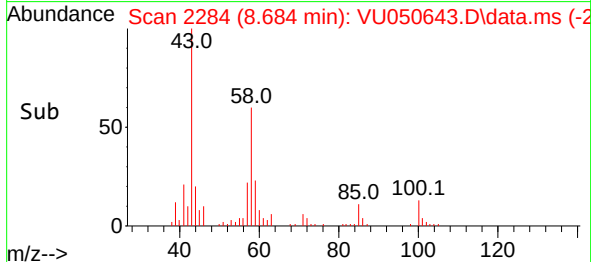
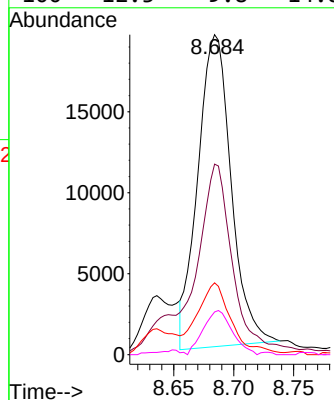
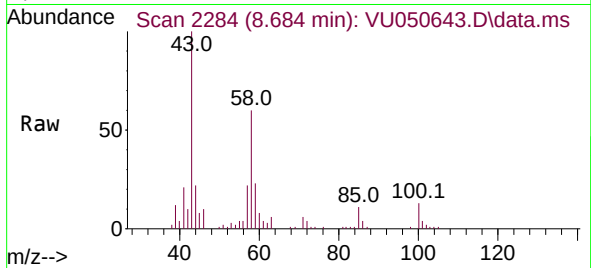




#48
2-Hexanone
Concen: 16.405 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050643.D
Acq: 06 Sep 2022 18:55

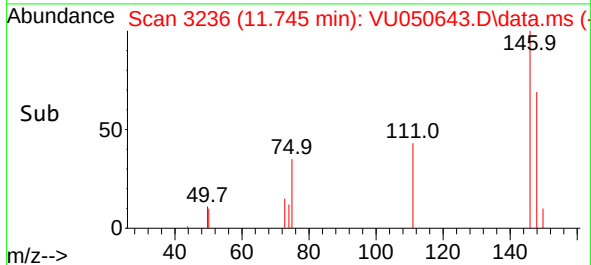
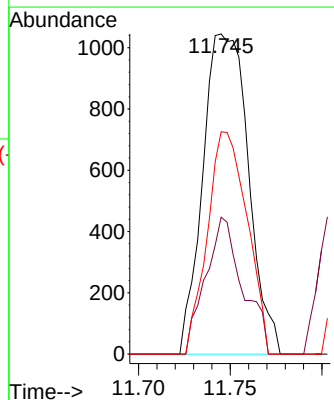
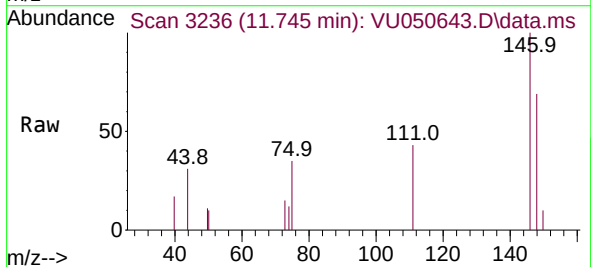
Instrument :
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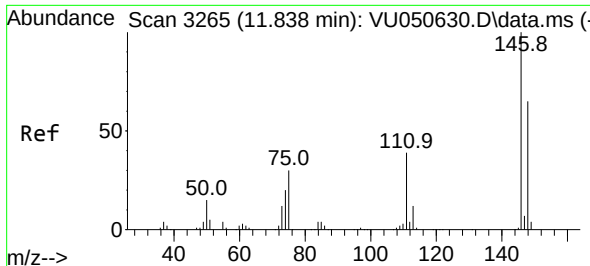
Tgt Ion: 43	Resp: 37320
Ion Ratio	Lower Upper
43 100	
58 55.3	51.8 77.6
57 19.1	17.0 25.4
100 12.3	9.8 14.8



#64
1,3-Dichlorobenzene
Concen: 0.719 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. -0.003 min
Lab File: VU050643.D
Acq: 06 Sep 2022 18:55

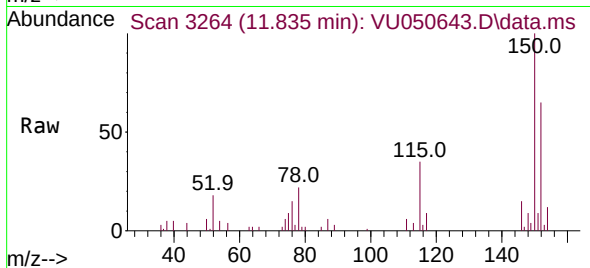
Tgt Ion:146	Resp:	1809	
Ion	Ratio	Lower	Upper
146	100		
111	42.8	29.9	55.5
148	69.5	45.5	84.5



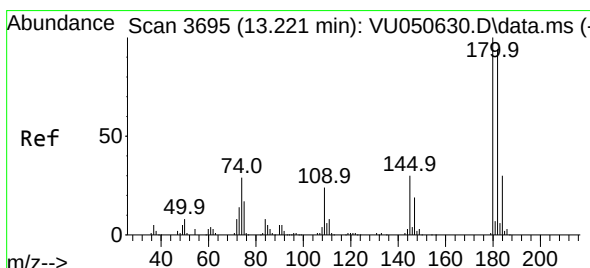
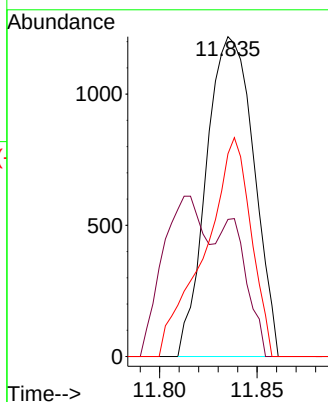
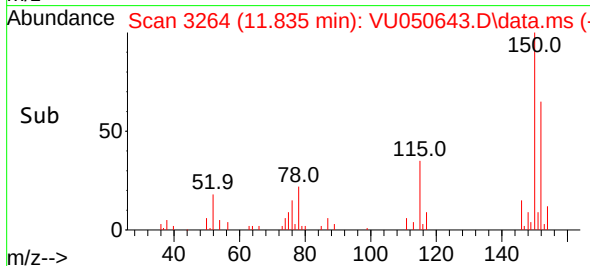


#65
1,4-Dichlorobenzene
Concen: 0.830 ug/L
RT: 11.835 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU050643.D
Acq: 06 Sep 2022 18:55

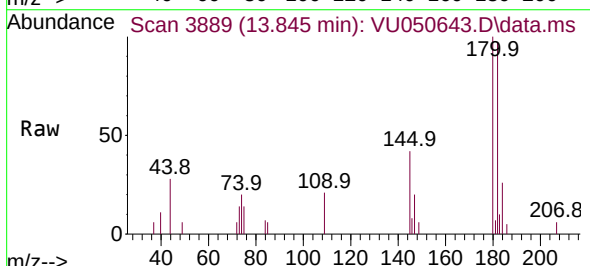
Instrument :
MSVOA_U
ClientSampleId :



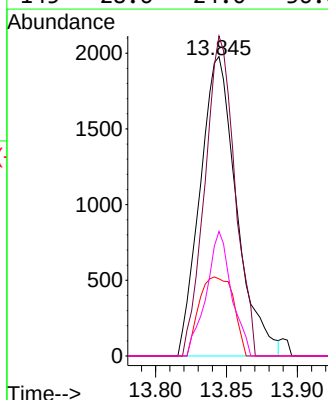
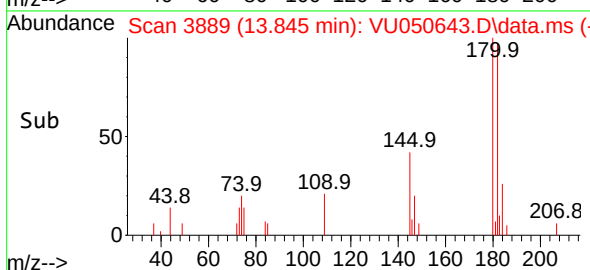
Tgt Ion:146	Resp:	2065
Ion	Ratio	Lower Upper
146	100	
111	38.4	27.9 51.7
148	81.0	44.4 82.4

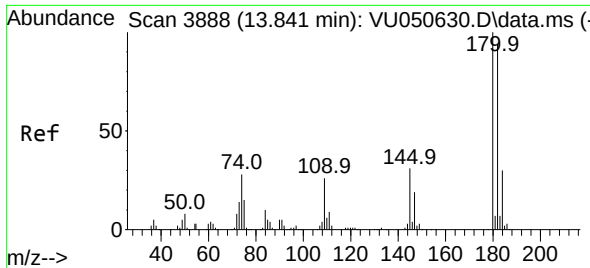


#69
1,3,5-Trichlorobenzene
Concen: 1.945 ug/L
RT: 13.845 min Scan# 3889
Delta R.T. 0.624 min
Lab File: VU050643.D
Acq: 06 Sep 2022 18:55



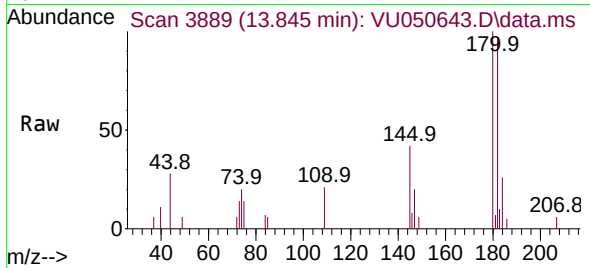
Tgt Ion:180	Resp:	3551
Ion	Ratio	Lower Upper
180	100	
182	87.5	75.3 112.9
184	24.8	23.8 35.8
145	28.6	24.0 36.0



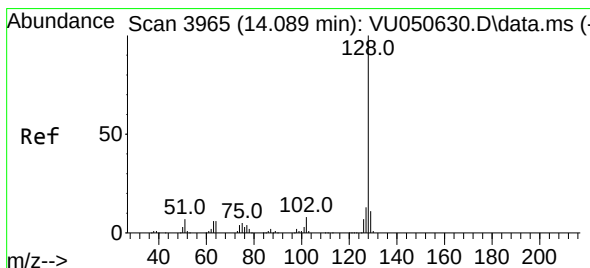
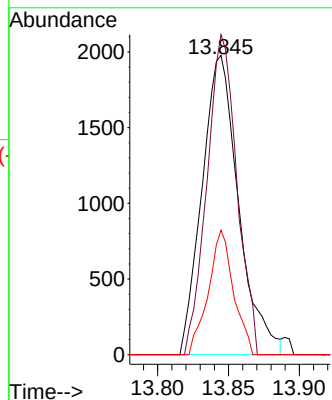
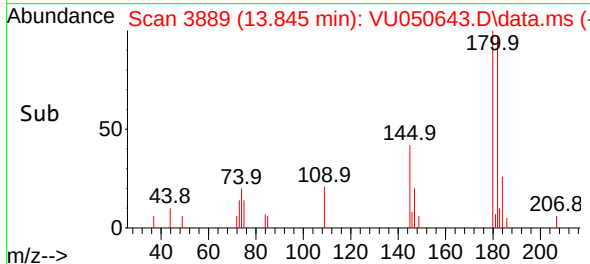


#70
1,2,4-trichlorobenzene
Concen: 2.290 ug/L
RT: 13.845 min Scan# 3889
Delta R.T. 0.004 min
Lab File: VU050643.D
Acq: 06 Sep 2022 18:55

Instrument :
MSVOA_U
ClientSampleId :

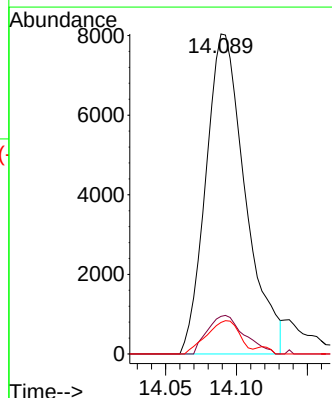
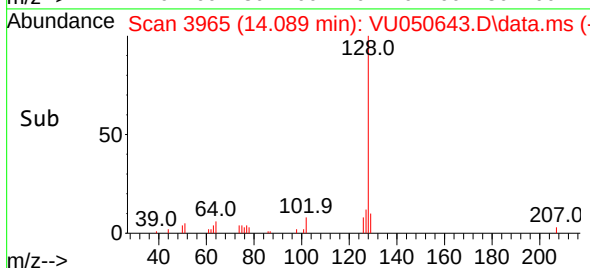
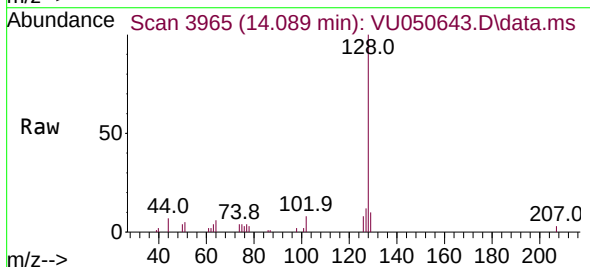


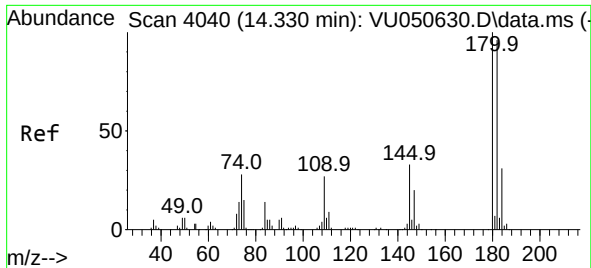
Tgt Ion:180 Resp: 3551
Ion Ratio Lower Upper
180 100
182 87.5 76.2 114.2
145 28.6 24.7 37.1



#71
Naphthalene
Concen: 2.827 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU050643.D
Acq: 06 Sep 2022 18:55

Tgt Ion:128 Resp: 15541
Ion Ratio Lower Upper
128 100
127 11.2 10.1 15.1
129 8.7 8.4 12.6





#72

1,2,3-Trichlorobenzene

Concen: 2.311 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

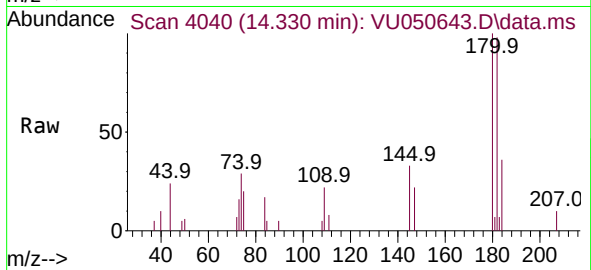
Lab File: VU050643.D

Acq: 06 Sep 2022 18:55

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 3881

Ion Ratio Lower Upper

180 100

182 94.4 76.1 114.1

145 30.8 26.4 39.6

