

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102822\
 Data File : VU051569.D
 Acq On : 28 Oct 2022 15:16
 Operator : JC/MD
 Sample : VIBLK126
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 28 22:45:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 28 22:38:21 2022
 Response via : Initial Calibration

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

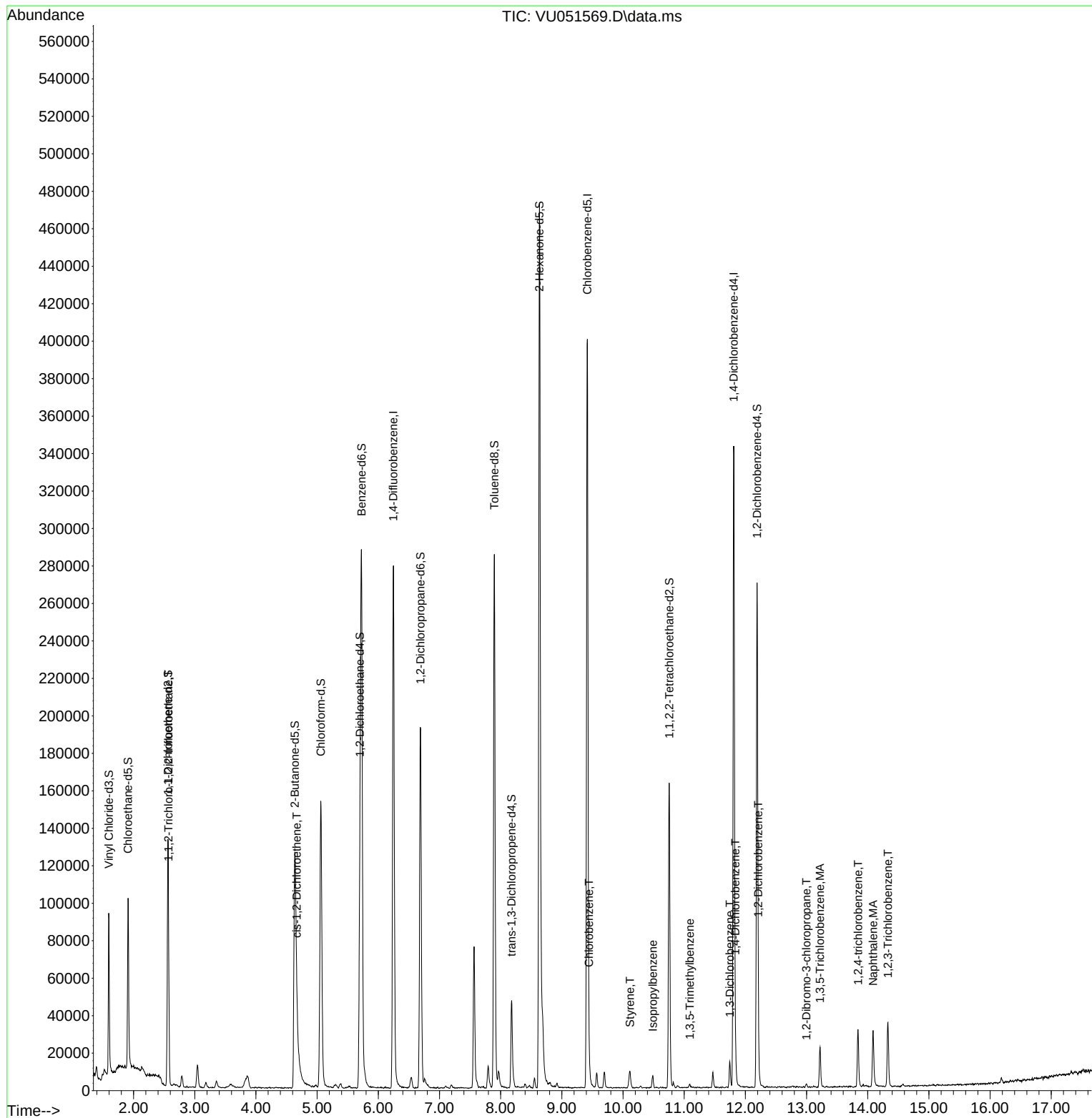
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	234791	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	237365	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	95788	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	65233	3.689	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.800%
7) Chloroethane-d5	1.909	69	68725	3.726	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.600%
11) 1,1-Dichloroethene-d2	2.562	65	24283	3.784	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.600%
20) 2-Butanone-d5	4.636	46	233041	36.389	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.780%
24) Chloroform-d	5.060	84	146842	3.549	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.000%
26) 1,2-Dichloroethane-d4	5.700	65	80733	3.612	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.200%
32) Benzene-d6	5.726	84	276705	3.694	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.800%
36) 1,2-Dichloropropane-d6	6.690	67	97927	3.739	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	74.800%
41) Toluene-d8	7.896	98	200506	3.404	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.000%#
43) trans-1,3-Dichloroprop...	8.179	79	27393	3.420	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.400%
46) 2-Hexanone-d5	8.632	63	168776	35.008	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.020%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	83842	3.493	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	69.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	72092	4.101	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.000%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	1740	0.087	ug/L #	48
22) cis-1,2-Dichloroethene	4.668	96	1351	0.056	ug/L	74
51) Chlorobenzene	9.443	112	5139	0.085	ug/L	97
55) Styrene	10.115	104	3790	0.064	ug/L	90
60) Isopropylbenzene	10.488	105	4339	0.062	ug/L #	93
62) 1,3,5-Trimethylbenzene	11.092	105	1368	0.073	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	6269	0.180	ug/L	96
65) 1,4-Dichlorobenzene	11.835	146	6983	0.200	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	6240	0.184	ug/L #	89
68) 1,2-Dibromo-3-chloropr...	12.996	75	591	0.232	ug/L #	75
69) 1,3,5-Trichlorobenzene	13.221	180	7359	0.297	ug/L	96
70) 1,2,4-trichlorobenzene	13.841	180	10738	0.564	ug/L	96
71) Naphthalene	14.089	128	28597	0.804	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	11847	0.616	ug/L	96

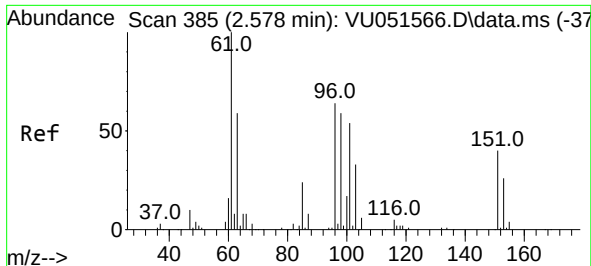
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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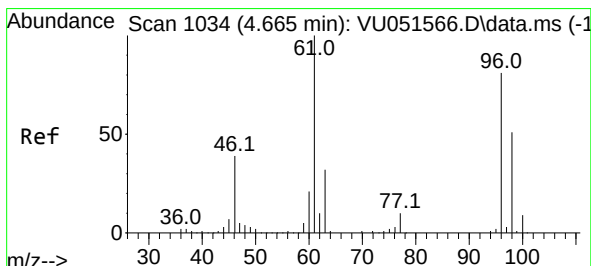
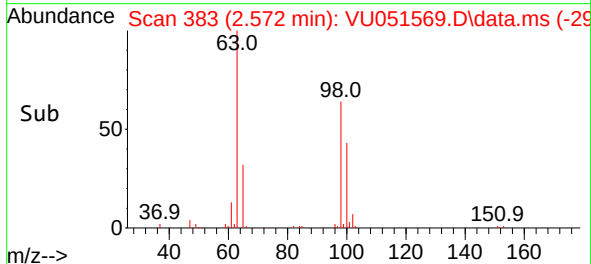
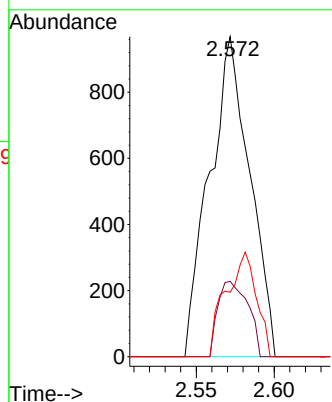
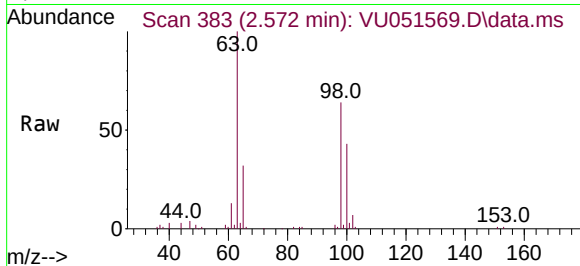




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.087 ug/L
RT: 2.572 min Scan# 385
Delta R.T. -0.006 min
Lab File: VU051569.D
Acq: 28 Oct 2022 15:16

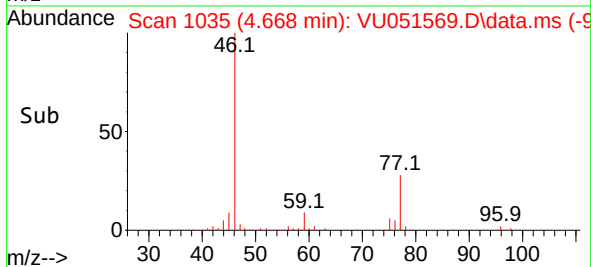
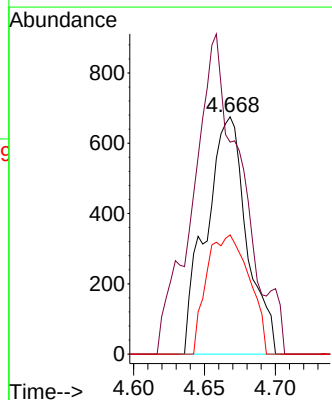
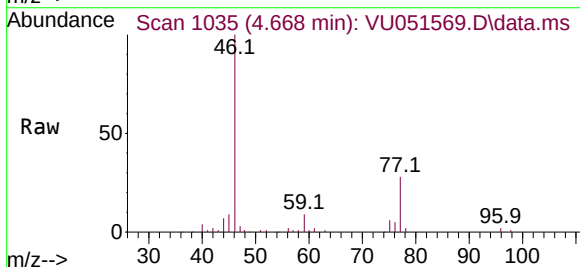
Instrument :
MSVOA_U
ClientSampleId :

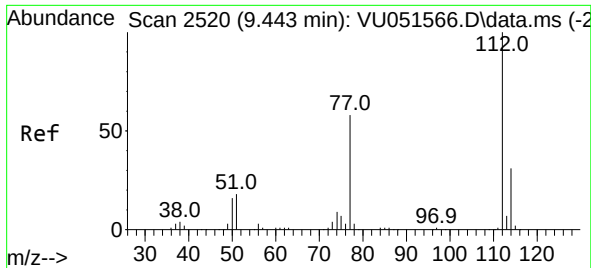
Tgt Ion:101 Resp: 1740
Ion Ratio Lower Upper
101 100
85 17.5 35.6 53.4#
151 24.7 59.6 89.4#



#22
cis-1,2-Dichloroethene
Concen: 0.056 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. 0.003 min
Lab File: VU051569.D
Acq: 28 Oct 2022 15:16

Tgt Ion: 96 Resp: 1351
Ion Ratio Lower Upper
96 100
61 89.3 86.4 160.4
98 50.2 44.2 82.2

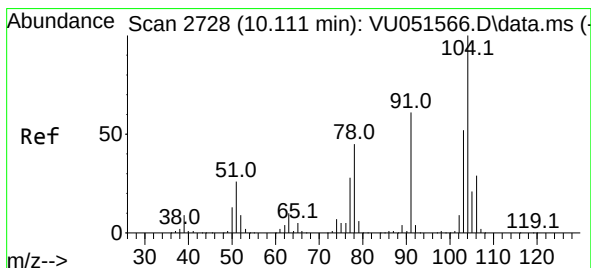
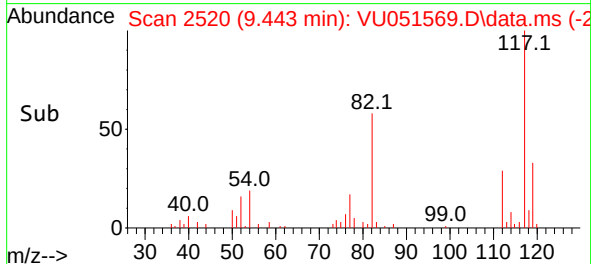
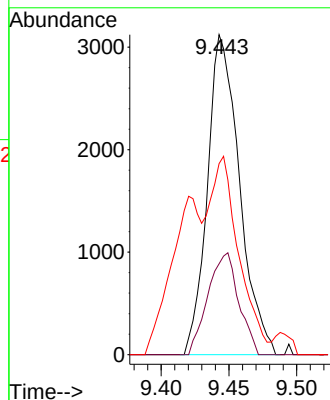
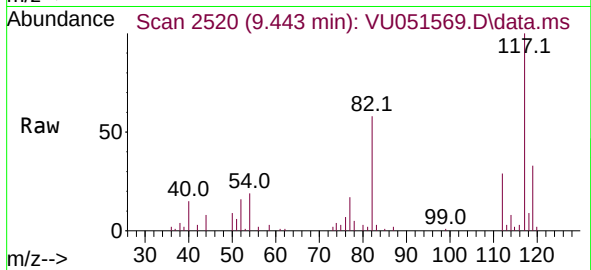




#51
Chlorobenzene
Concen: 0.085 ug/L
RT: 9.443 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051569.D
Acq: 28 Oct 2022 15:16

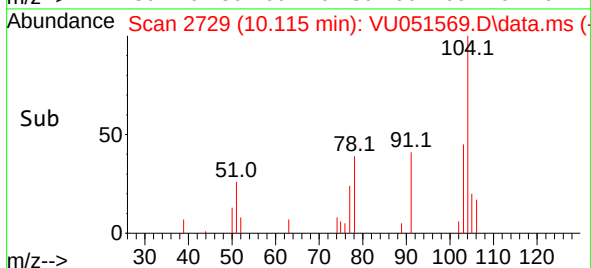
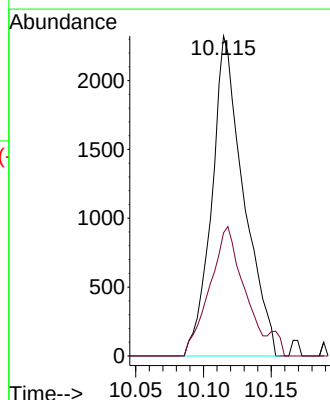
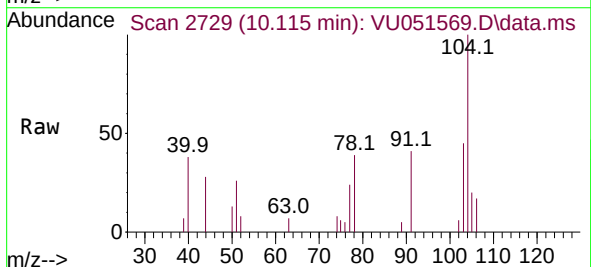
Instrument :
MSVOA_U
ClientSampleId :

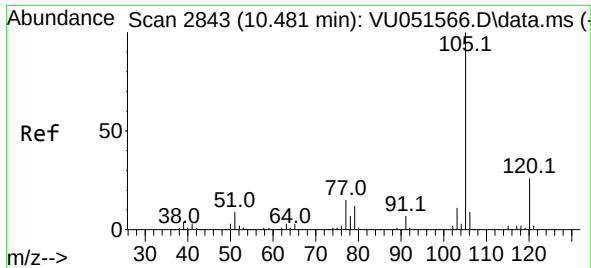
Tgt Ion:112	Resp:	5139
Ion Ratio	Lower	Upper
112	100	
114	28.4	22.0 40.8
77	59.7	46.7 70.1



#55
Styrene
Concen: 0.064 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU051569.D
Acq: 28 Oct 2022 15:16

Tgt Ion:104	Resp:	3790
Ion Ratio	Lower	Upper
104	100	
78	38.5	31.8 59.0

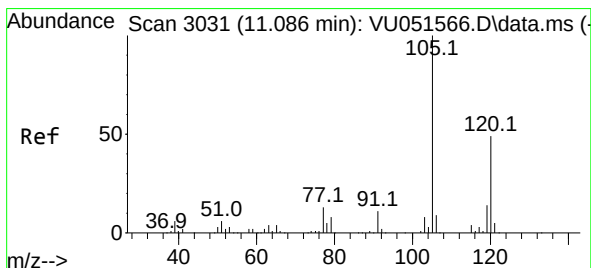
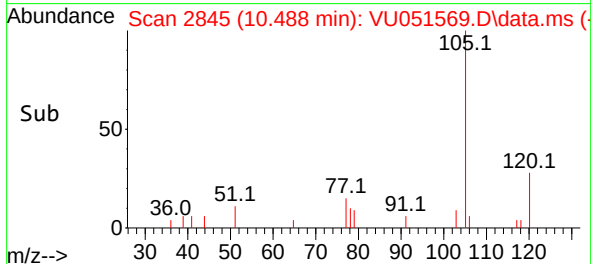
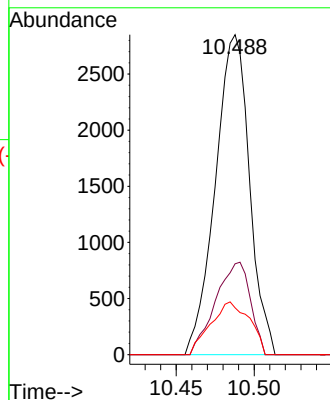
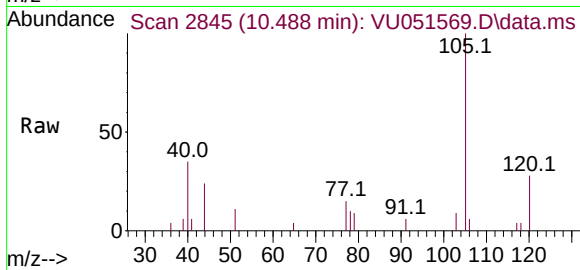




#60
Isopropylbenzene
Concen: 0.062 ug/L
RT: 10.488 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU051569.D
Acq: 28 Oct 2022 15:16

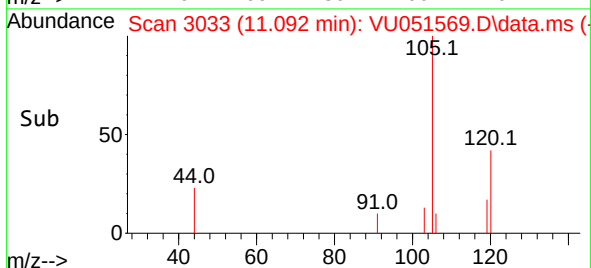
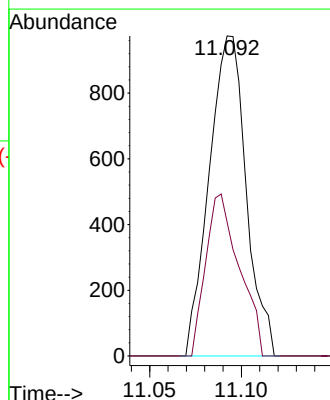
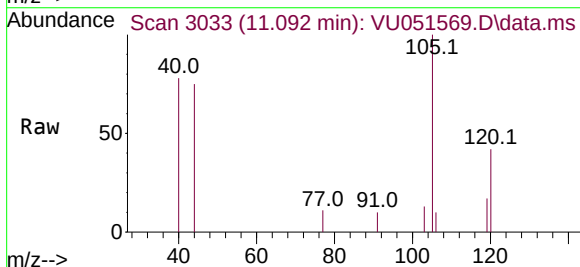
Instrument :
MSVOA_U
ClientSampleId :

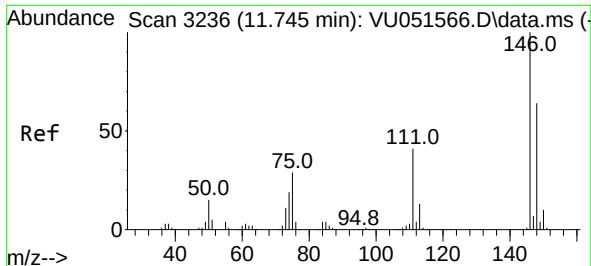
Tgt Ion:105 Resp: 4339
Ion Ratio Lower Upper
105 100
120 29.5 20.9 31.3
77 18.8 12.3 18.5#



#62
1,3,5-Trimethylbenzene
Concen: 0.073 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. 0.006 min
Lab File: VU051569.D
Acq: 28 Oct 2022 15:16

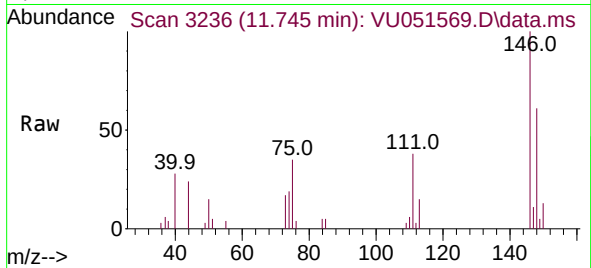
Tgt Ion:105 Resp: 1368
Ion Ratio Lower Upper
105 100
120 46.0 38.6 57.8



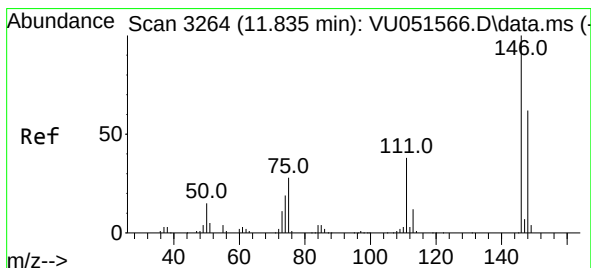
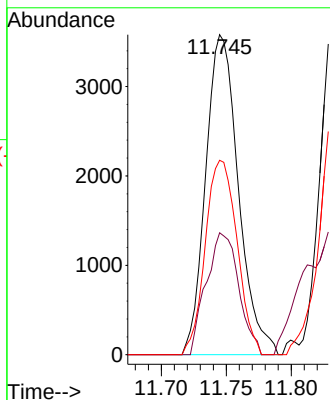
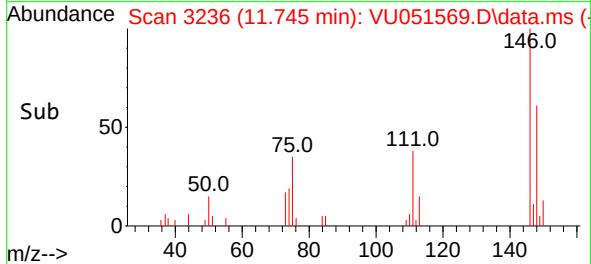


#64
1,3-Dichlorobenzene
Concen: 0.180 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.000 min
Lab File: VU051569.D
Acq: 28 Oct 2022 15:16

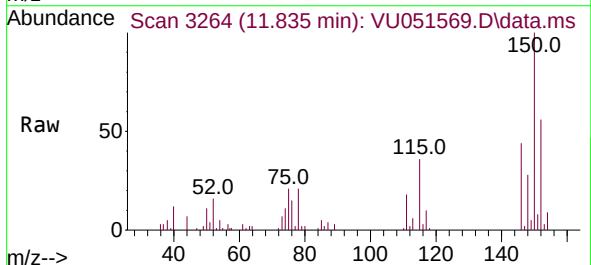
Instrument :
MSVOA_U
ClientSampleId :



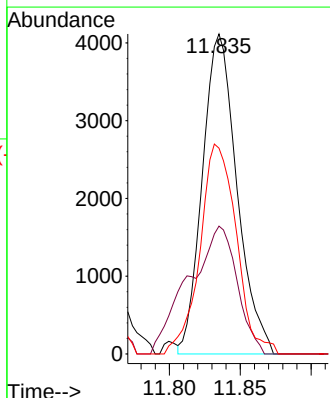
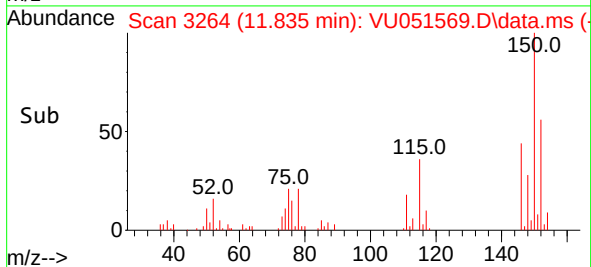
Tgt Ion:146 Resp: 6269
Ion Ratio Lower Upper
146 100
111 38.1 28.6 53.2
148 60.8 44.7 82.9

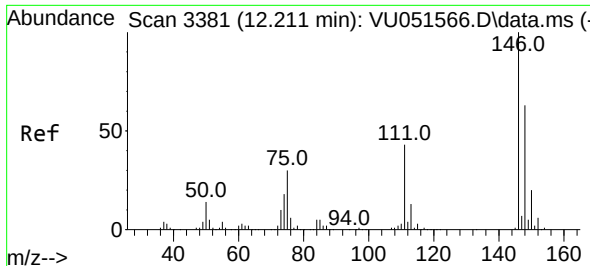


#65
1,4-Dichlorobenzene
Concen: 0.200 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU051569.D
Acq: 28 Oct 2022 15:16



Tgt Ion:146 Resp: 6983
Ion Ratio Lower Upper
146 100
111 40.0 26.7 49.5
148 64.3 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 0.184 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU051569.D

Acq: 28 Oct 2022 15:16

Instrument :

MSVOA_U

ClientSampleId :

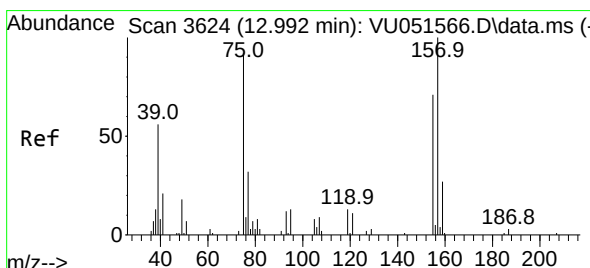
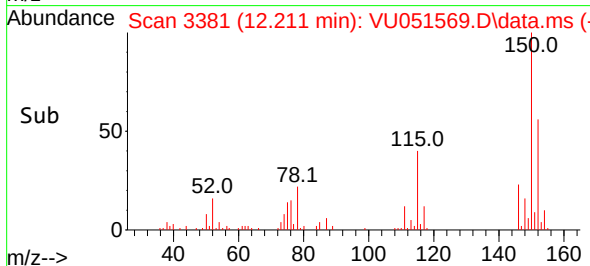
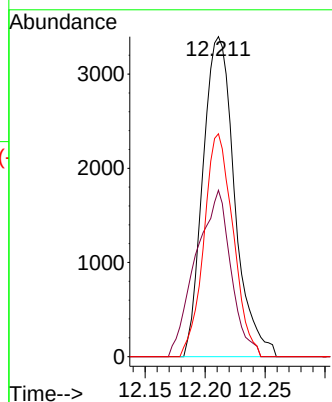
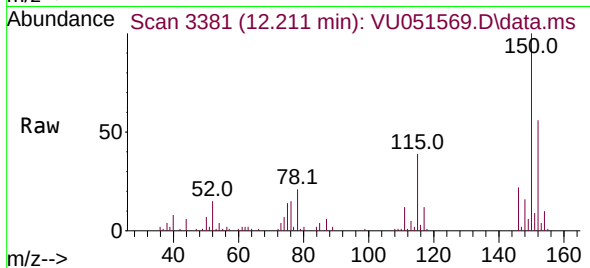
Tgt Ion:146 Resp: 6240

Ion Ratio Lower Upper

146 100

111 52.0 34.2 51.2#

148 69.6 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 0.232 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.003 min

Lab File: VU051569.D

Acq: 28 Oct 2022 15:16

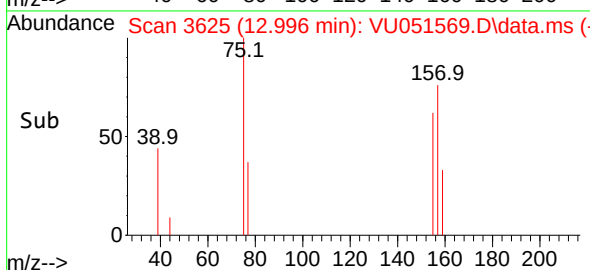
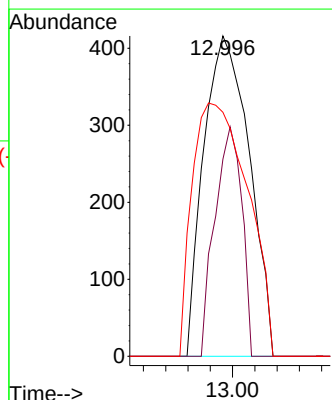
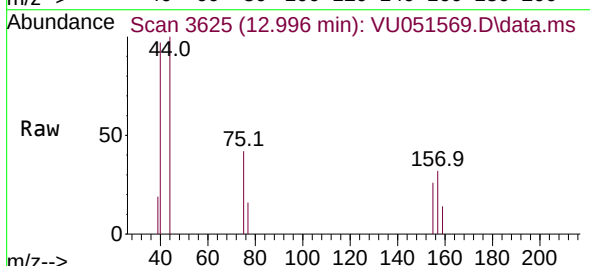
Tgt Ion: 75 Resp: 591

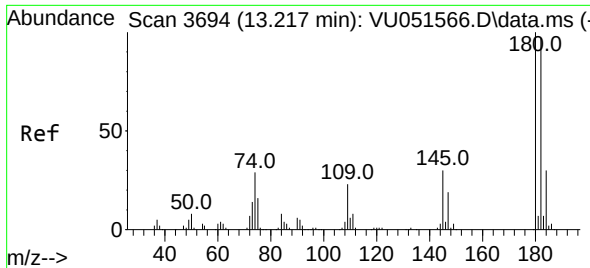
Ion Ratio Lower Upper

75 100

155 61.5 61.4 92.2

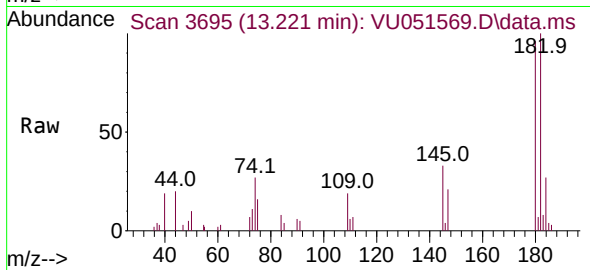
157 76.2 86.7 130.1#



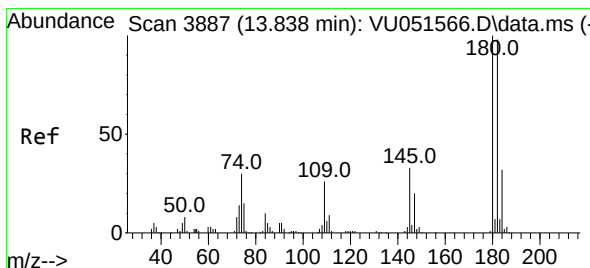
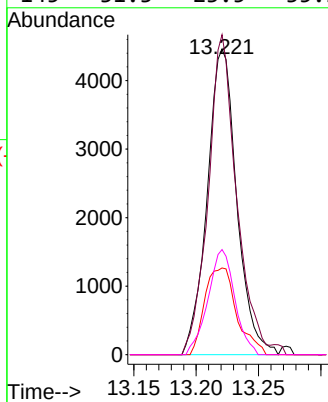
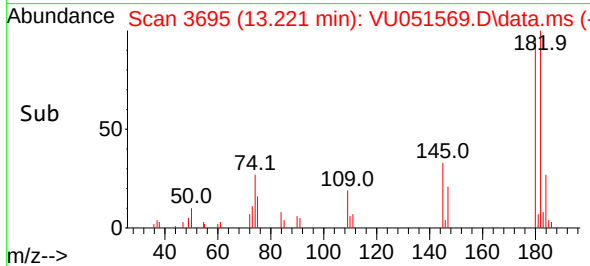


#69
 1,3,5-Trichlorobenzene
 Concen: 0.297 ug/L
 RT: 13.221 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VU051569.D
 Acq: 28 Oct 2022 15:16

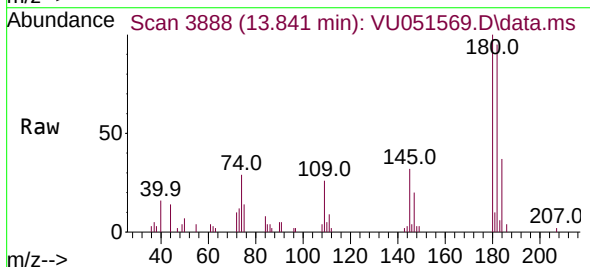
Instrument :
 MSVOA_U
 ClientSampleId :



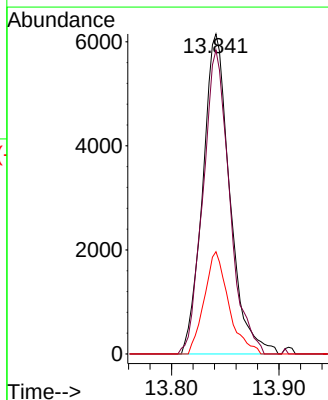
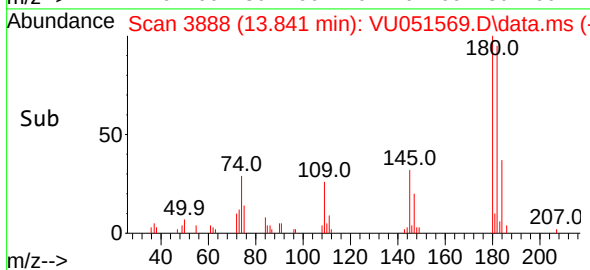
Tgt Ion:180	Resp:	7359
Ion	Ratio	Lower Upper
180	100	
182	100.2	77.0 115.6
184	30.7	23.7 35.5
145	31.3	23.5 35.3

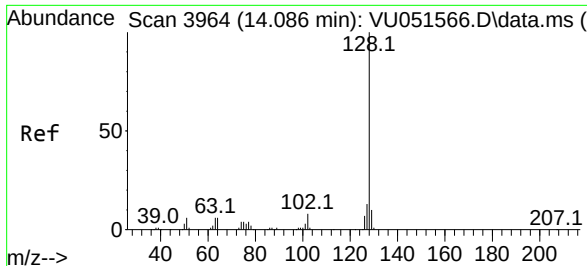


#70
 1,2,4-trichlorobenzene
 Concen: 0.564 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU051569.D
 Acq: 28 Oct 2022 15:16



Tgt Ion:180	Resp:	10738
Ion	Ratio	Lower Upper
180	100	
182	93.2	77.8 116.6
145	28.9	25.0 37.6

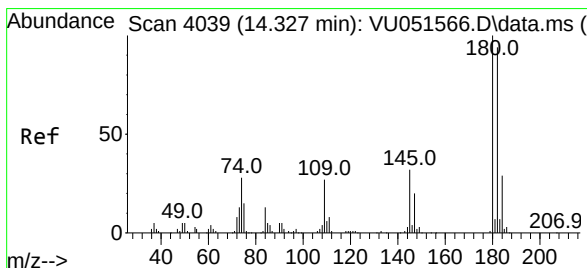
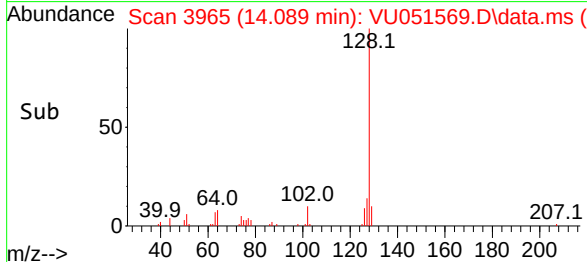
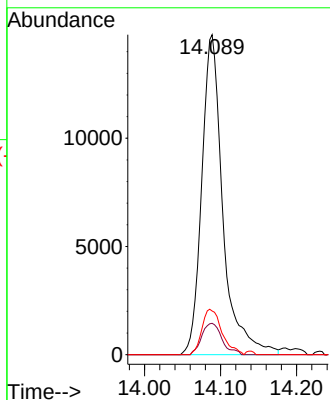
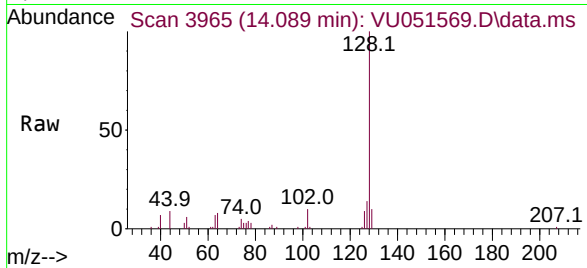




#71
Naphthalene
Concen: 0.804 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU051569.D
Acq: 28 Oct 2022 15:16

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128	Resp:	28597
Ion Ratio	Lower	Upper
128	100	
129	9.4	8.4 12.6
127	13.4	10.3 15.5



#72
1,2,3-Trichlorobenzene
Concen: 0.616 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU051569.D
Acq: 28 Oct 2022 15:16

Tgt Ion:180	Resp:	11847
Ion Ratio	Lower	Upper
180	100	
182	98.4	76.1 114.1
145	34.2	25.6 38.4

