

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102822\
 Data File : VU051577.D
 Acq On : 28 Oct 2022 19:10
 Operator : JC/MD
 Sample : N5300-03DL 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHA80DL

Quant Time: Oct 28 22:54:01 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	207739	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	213577	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	98737	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	73800	4.717	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.400%
7) Chloroethane-d5	1.909	69	82482	5.055	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.000%
11) 1,1-Dichloroethene-d2	2.565	65	26790	4.718	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.400%
20) 2-Butanone-d5	4.617	46	298968	52.763	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.520%
24) Chloroform-d	5.060	84	181722	4.963	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
26) 1,2-Dichloroethane-d4	5.700	65	100109	5.062	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
32) Benzene-d6	5.726	84	337374	5.006	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
36) 1,2-Dichloropropane-d6	6.690	67	120076	5.095	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.800%
41) Toluene-d8	7.896	98	232611	4.389	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
43) trans-1,3-Dichloroprop...	8.179	79	34450	4.781	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.600%
46) 2-Hexanone-d5	8.629	63	223071	51.423	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.840%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	109652	5.077	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.600%
66) 1,2-Dichlorobenzene-d4	12.192	152	97592	5.385	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.800%
Target Compounds						
					Qvalue	
8) Chloroethane	1.932	64	2725	0.164	ug/L #	61
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	822	0.046	ug/L #	19
16) Methylene chloride	3.044	84	20970	0.709	ug/L	98
27) 1,2-Dichloroethane	5.768	62	4347	0.190	ug/L #	75
33) Benzene	5.771	78	536504	6.365	ug/L	100
37) 1,2-Dichloropropane	6.687	63	12435	0.574	ug/L #	90
42) Toluene	7.967	91	720225	8.321	ug/L	100
51) Chlorobenzene	9.446	112	628021	11.528	ug/L	99
52) Ethylbenzene	9.568	91	363311	4.350	ug/L	98
53) m,p-Xylene	9.690	106	71132	2.193	ug/L	93
54) o-Xylene	10.099	106	38157	1.204	ug/L	98
55) Styrene	10.099	104	3319	0.063	ug/L #	1
60) Isopropylbenzene	10.485	105	30813	0.427	ug/L #	85
61) 1,2,3-Trichloropropane	11.812	75	15957	1.250	ug/L #	41
62) 1,3,5-Trimethylbenzene	11.089	105	3787	0.195	ug/L	90
63) 1,2,4-Trimethylbenzene	11.465	105	36963	0.661	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	13195	0.367	ug/L	96
67) 1,2-Dichlorobenzene	12.211	146	7805	0.223	ug/L #	85
71) Naphthalene	14.092	128	5988	0.163	ug/L	100

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QLast Update : Fri Oct 28 22:38:21 2022
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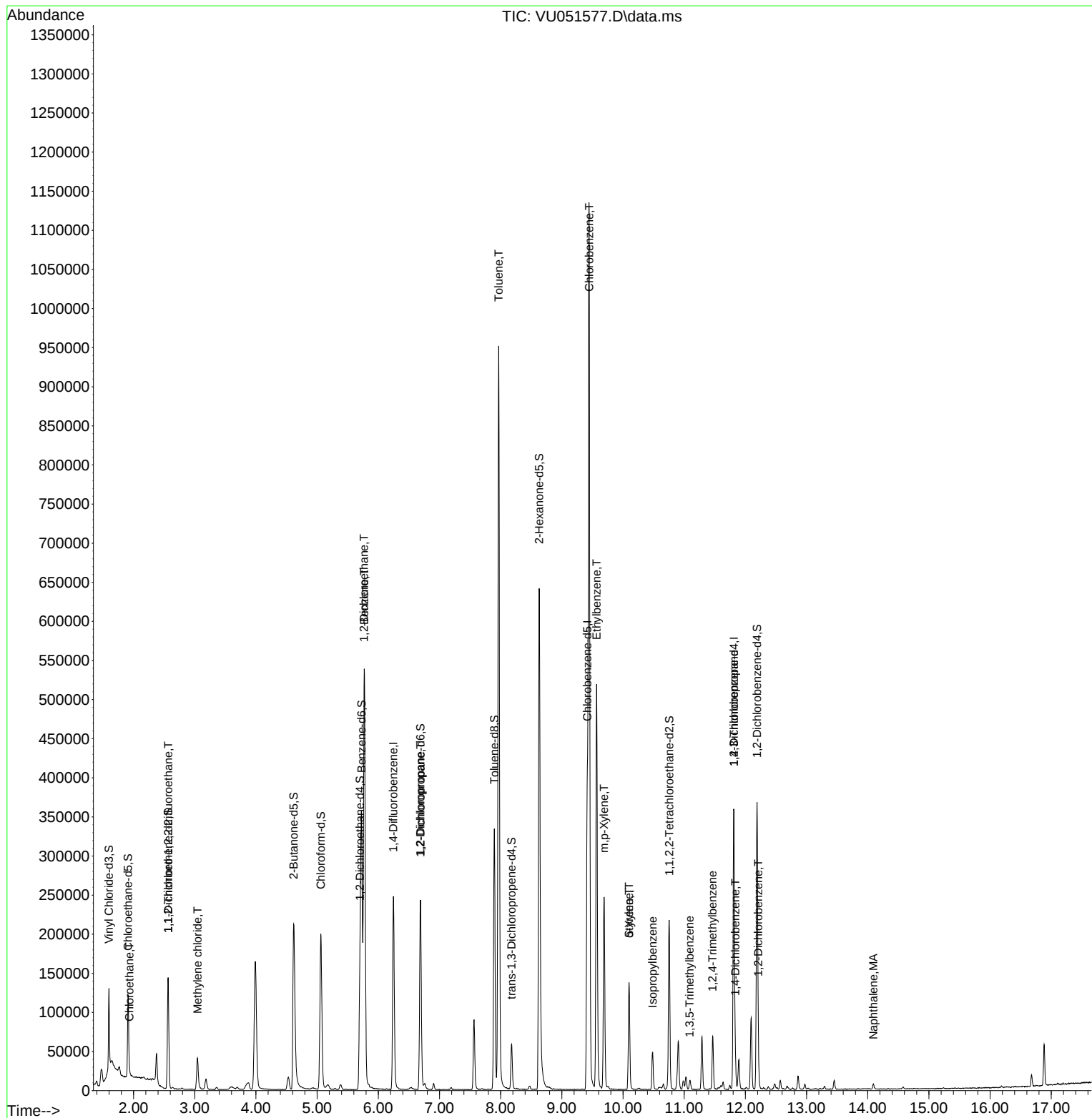
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

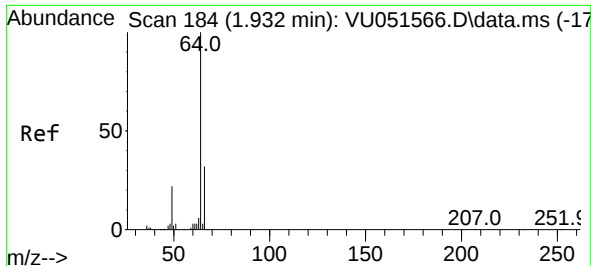
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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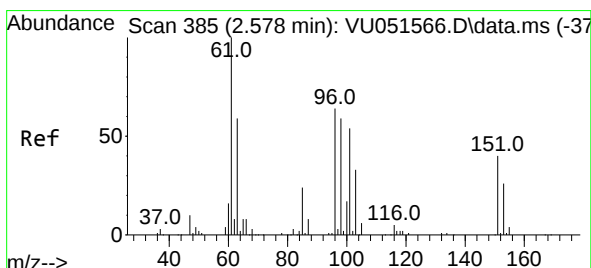
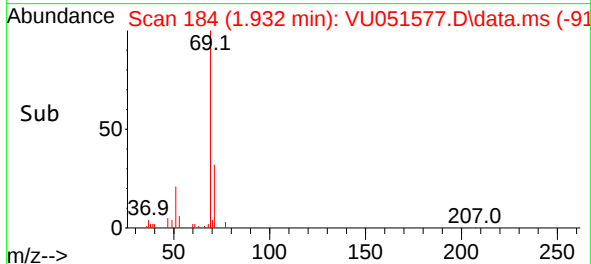
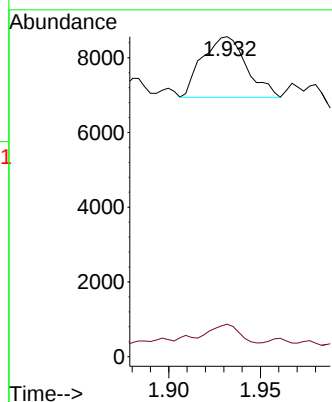
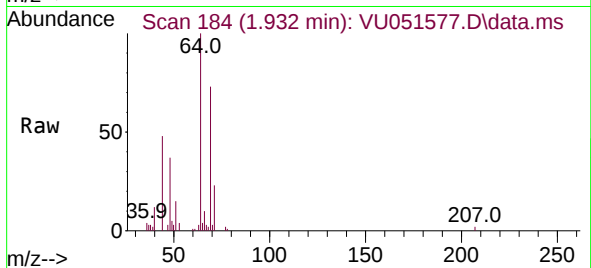




#8
Chloroethane
Concen: 0.164 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051577.D
Acq: 28 Oct 2022 19:10

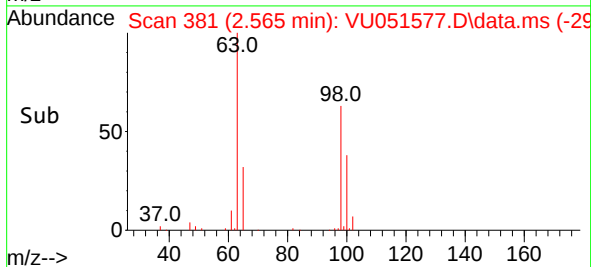
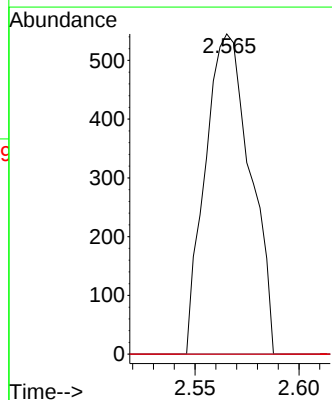
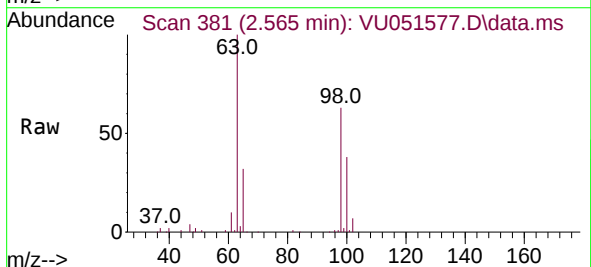
Instrument :
MSVOA_U
ClientSampleId :
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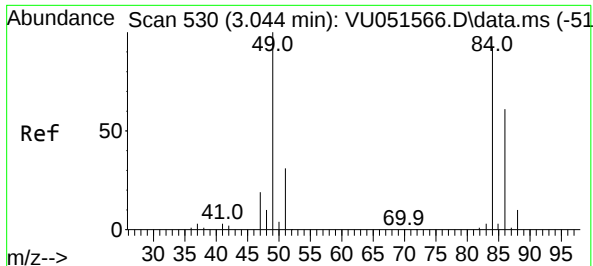
Tgt Ion: 64 Resp: 2725
Ion Ratio Lower Upper
64 100
66 10.2 22.3 41.5#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.046 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.013 min
Lab File: VU051577.D
Acq: 28 Oct 2022 19:10

Tgt Ion:101 Resp: 822
Ion Ratio Lower Upper
101 100
85 0.0 35.6 53.4#
151 0.0 59.6 89.4#

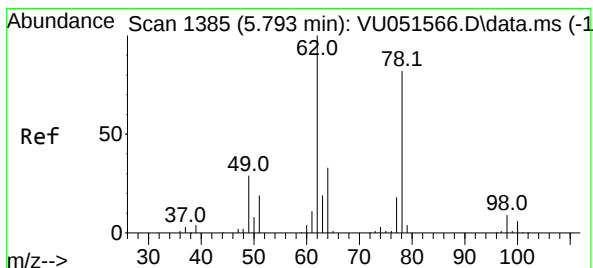
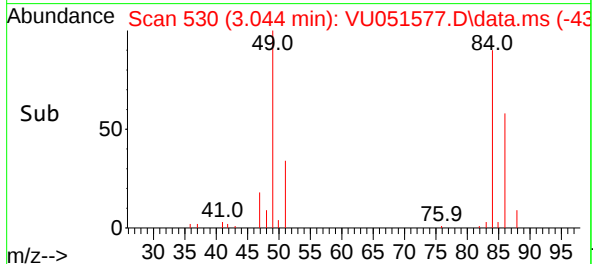
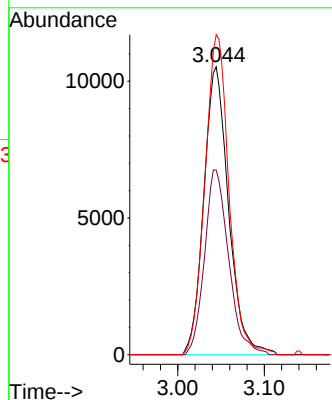
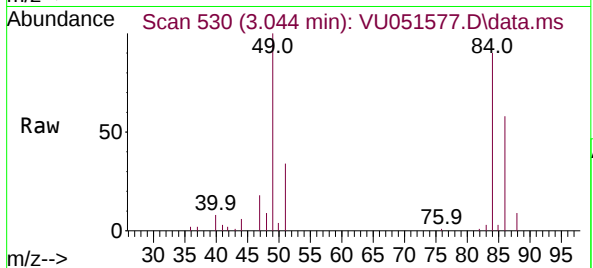




#16
Methylene chloride
Concen: 0.709 ug/L
RT: 3.044 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU051577.D
Acq: 28 Oct 2022 19:10

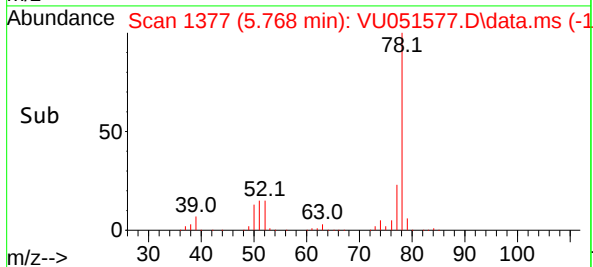
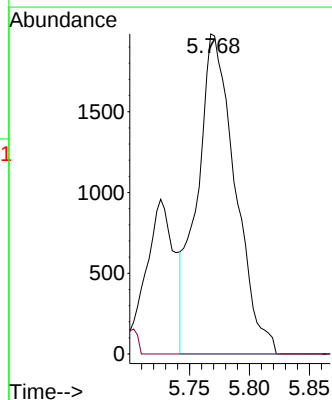
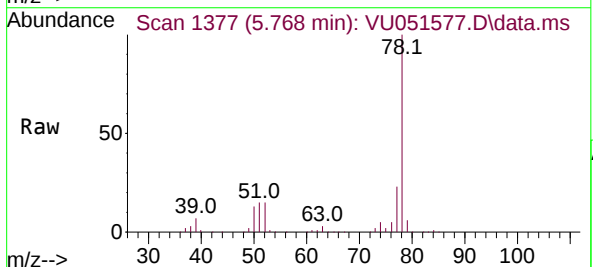
Instrument :
MSVOA_U
ClientSampleId :
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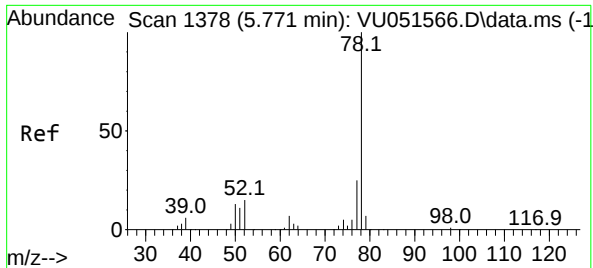
Tgt Ion: 84 Resp: 20970
Ion Ratio Lower Upper
84 100
86 64.1 46.3 85.9
49 111.2 76.0 141.2



#27
1,2-Dichloroethane
Concen: 0.190 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.026 min
Lab File: VU051577.D
Acq: 28 Oct 2022 19:10

Tgt Ion: 62 Resp: 4347
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#

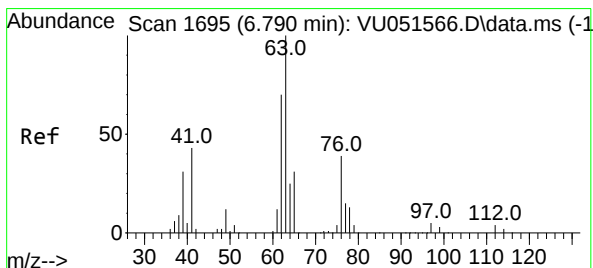
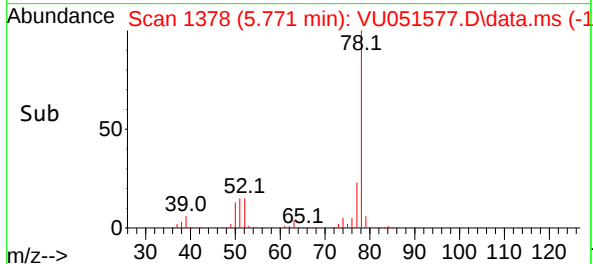
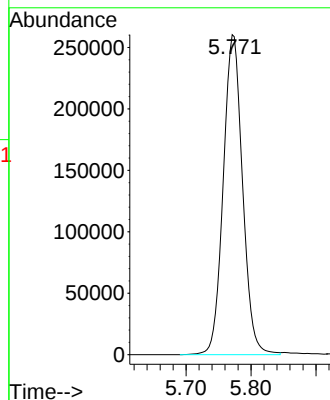
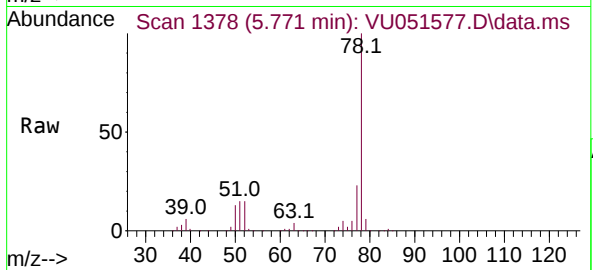




#33
Benzene
Concen: 6.365 ug/L
RT: 5.771 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051577.D
Acq: 28 Oct 2022 19:10

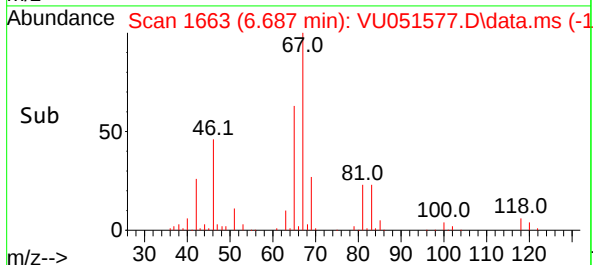
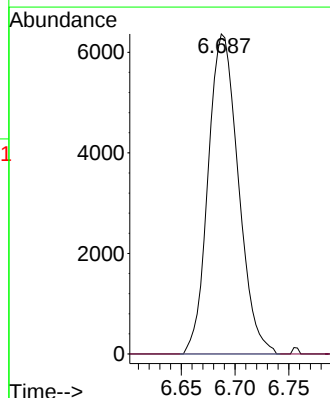
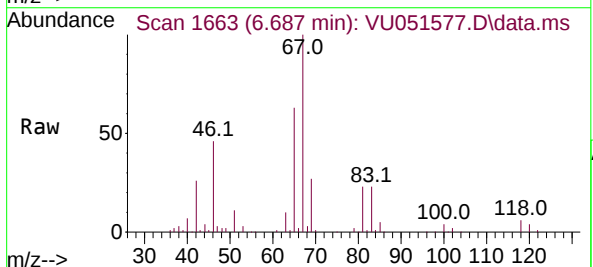
Instrument :
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ClientSampleId :
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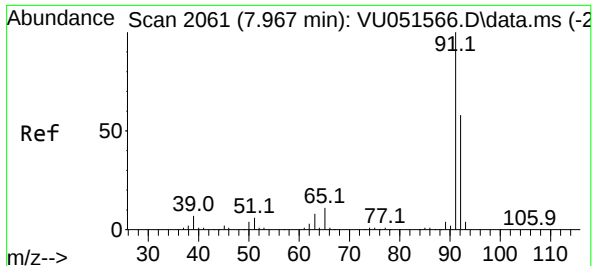
Tgt Ion: 78 Resp: 536504



#37
1,2-Dichloropropane
Concen: 0.574 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.103 min
Lab File: VU051577.D
Acq: 28 Oct 2022 19:10

Tgt Ion: 63 Resp: 12435
Ion Ratio Lower Upper
63 100
112 7.3 3.3 4.9#

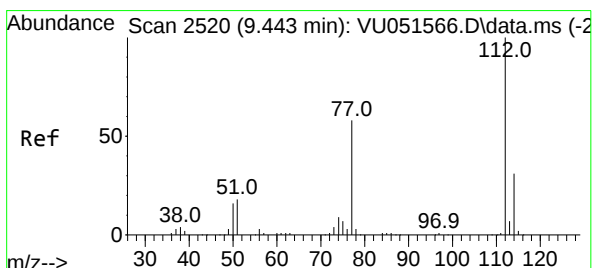
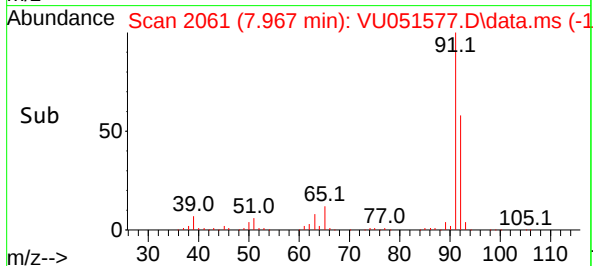
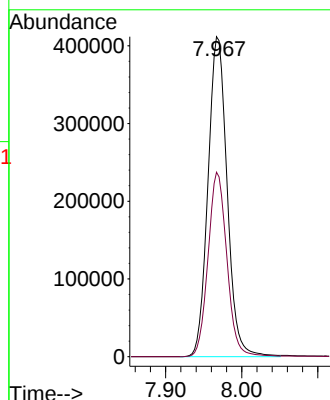
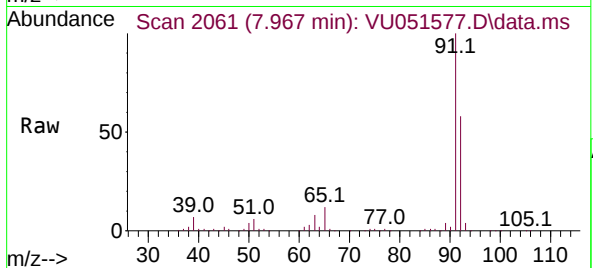




#42
Toluene
Concen: 8.321 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VU051577.D
Acq: 28 Oct 2022 19:10

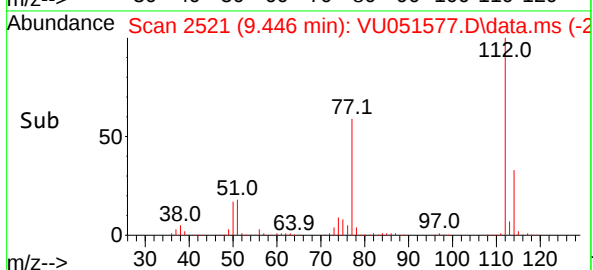
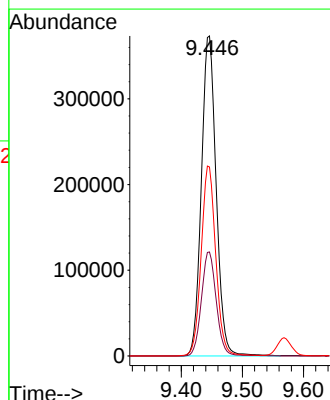
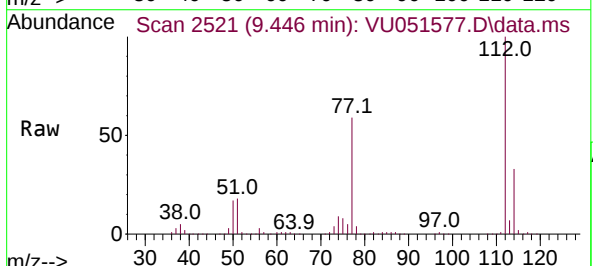
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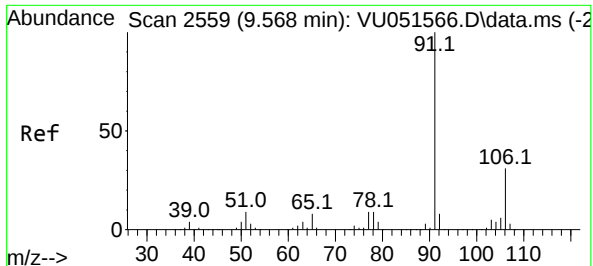
Tgt Ion: 91 Resp: 720225
Ion Ratio Lower Upper
91 100
92 57.7 40.5 75.3



#51
Chlorobenzene
Concen: 11.528 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VU051577.D
Acq: 28 Oct 2022 19:10

Tgt Ion: 112 Resp: 628021
Ion Ratio Lower Upper
112 100
114 32.5 22.0 40.8
77 59.0 46.7 70.1

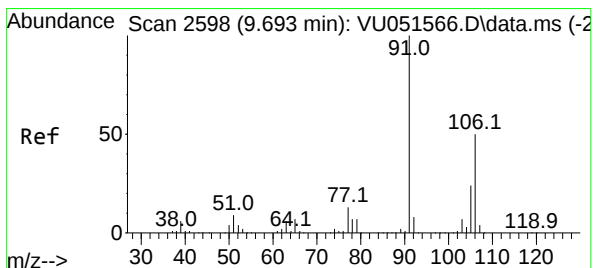
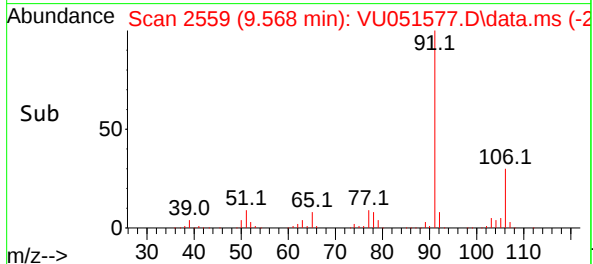
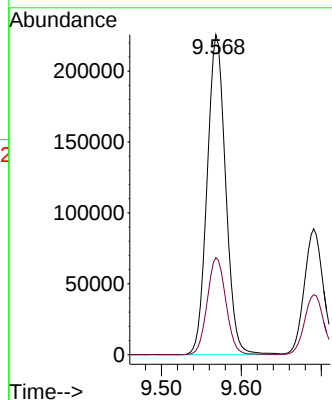
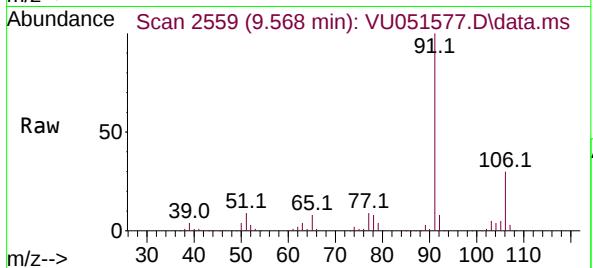




#52
Ethylbenzene
Concen: 4.350 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051577.D
Acq: 28 Oct 2022 19:10

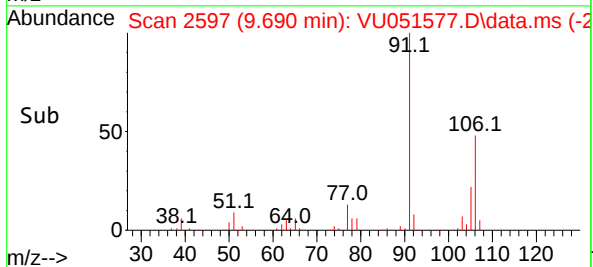
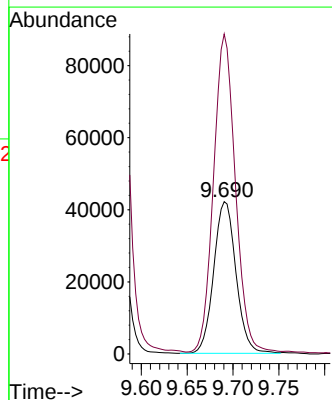
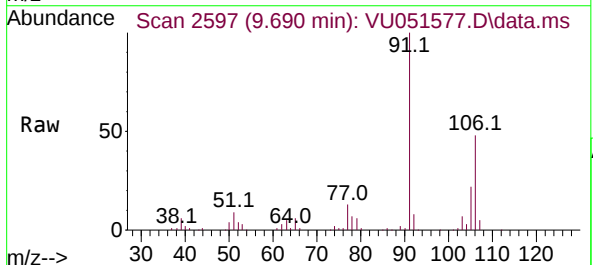
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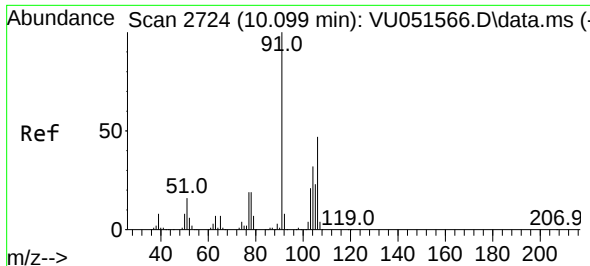
Tgt Ion: 91 Resp: 363311
Ion Ratio Lower Upper
91 100
106 30.4 21.8 40.6



#53
m,p-Xylene
Concen: 2.193 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU051577.D
Acq: 28 Oct 2022 19:10

Tgt Ion: 106 Resp: 71132
Ion Ratio Lower Upper
106 100
91 210.0 139.4 259.0

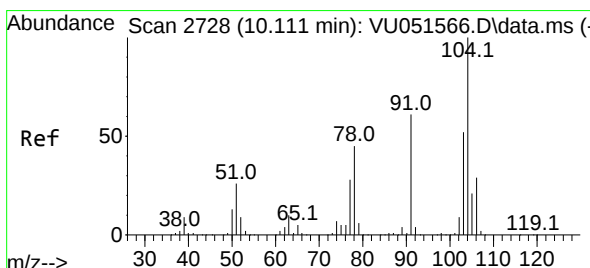
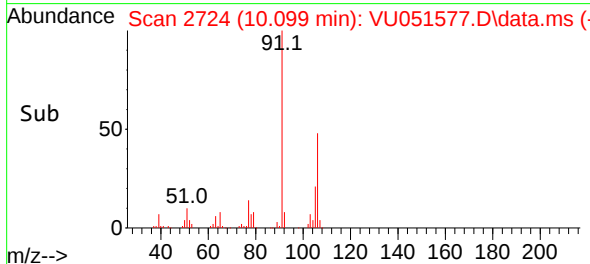
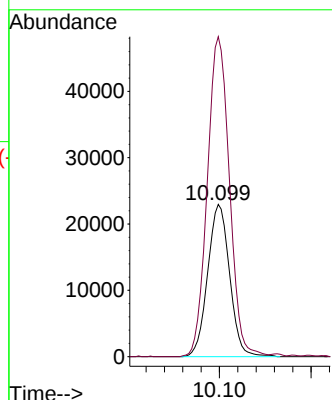
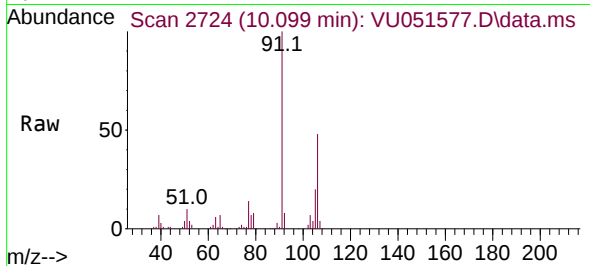




#54
o-Xylene
Concen: 1.204 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051577.D
Acq: 28 Oct 2022 19:10

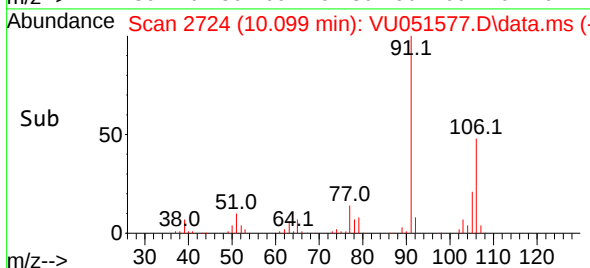
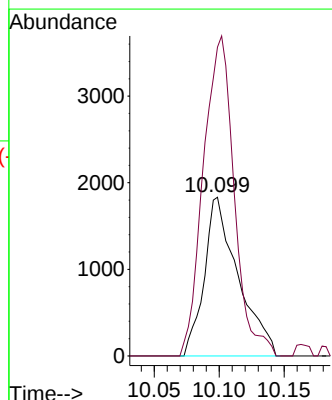
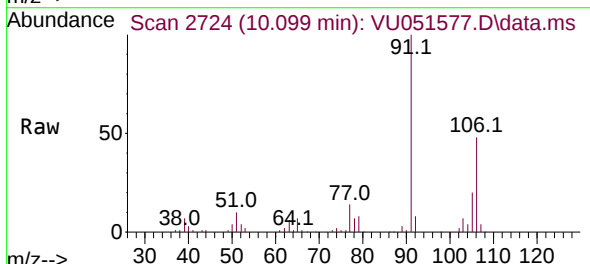
Instrument :
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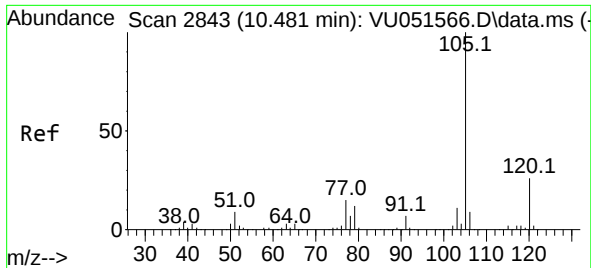
Tgt Ion:106 Resp: 38157
Ion Ratio Lower Upper
106 100
91 210.2 149.2 277.2



#55
Styrene
Concen: 0.063 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.013 min
Lab File: VU051577.D
Acq: 28 Oct 2022 19:10

Tgt Ion:104 Resp: 3319
Ion Ratio Lower Upper
104 100
78 194.6 31.8 59.0#

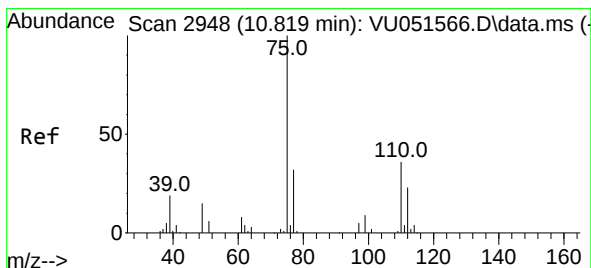
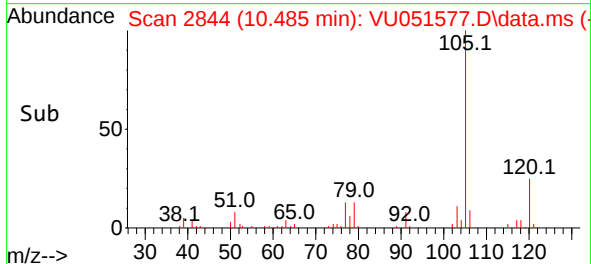
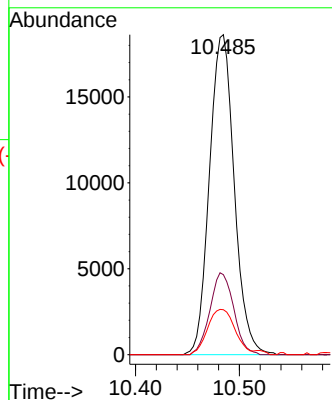
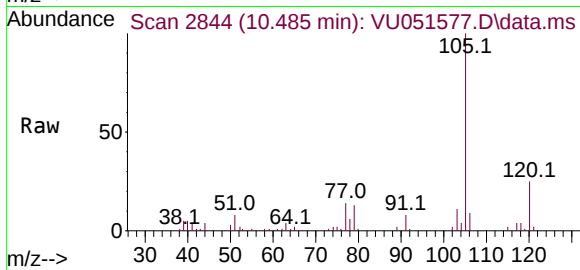




#60
Isopropylbenzene
Concen: 0.427 ug/L
RT: 10.485 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051577.D
Acq: 28 Oct 2022 19:10

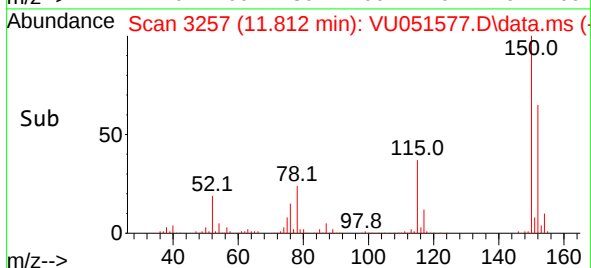
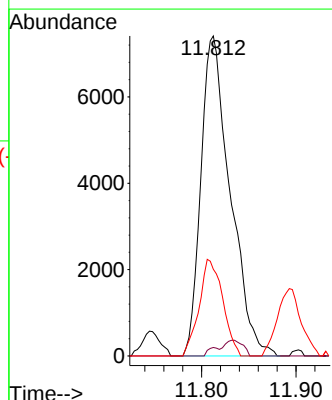
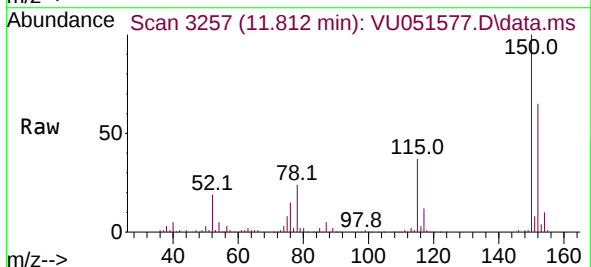
Instrument :
MSVOA_U
ClientSampleId :
BHA80DL

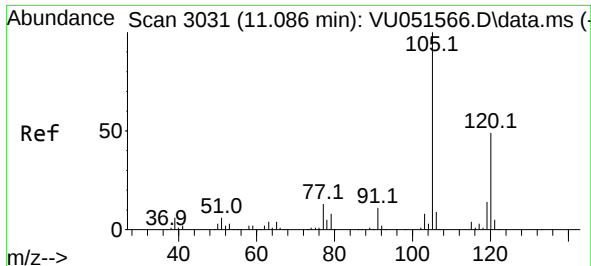
Tgt Ion:105 Resp: 30813
Ion Ratio Lower Upper
105 100
120 24.7 20.9 31.3
77 0.0 12.3 18.5#



#61
1,2,3-Trichloropropane
Concen: 1.250 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.994 min
Lab File: VU051577.D
Acq: 28 Oct 2022 19:10

Tgt Ion: 75 Resp: 15957
Ion Ratio Lower Upper
75 100
110 1.0 28.7 43.1#
77 0.0 26.1 39.1#





#62

1,3,5-Trimethylbenzene

Concen: 0.195 ug/L

RT: 11.089 min Scan# 3031

Delta R.T. 0.003 min

Lab File: VU051577.D

Acq: 28 Oct 2022 19:10

Instrument :

MSVOA_U

ClientSampleId :

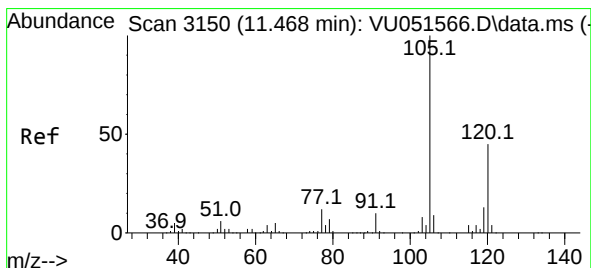
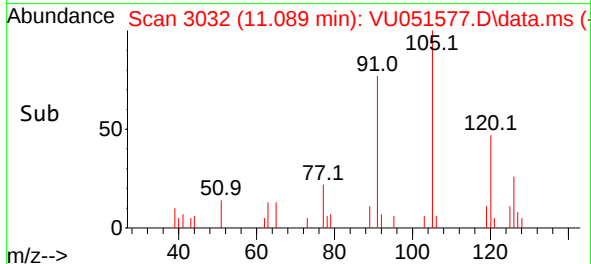
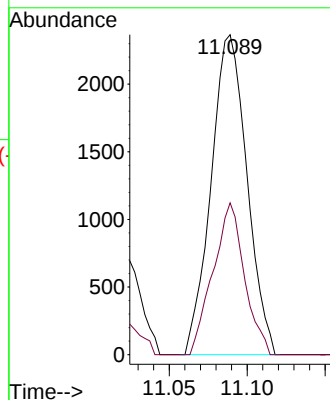
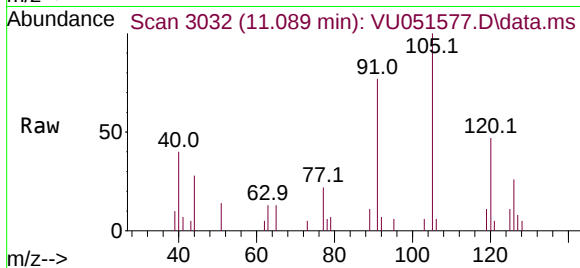
BHA80DL

Tgt Ion:105 Resp: 3787

Ion Ratio Lower Upper

105 100

120 41.5 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 0.661 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.003 min

Lab File: VU051577.D

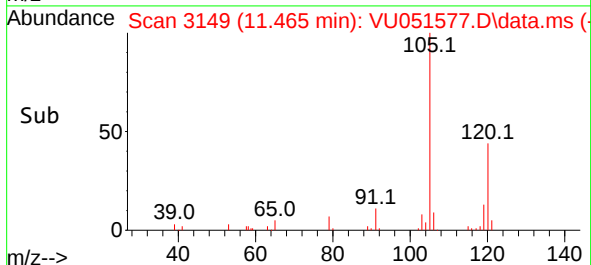
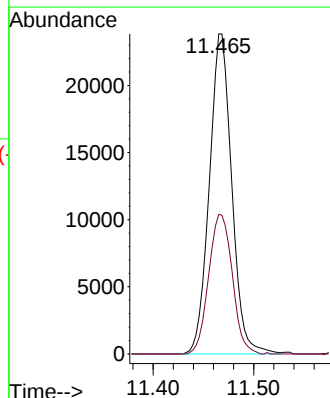
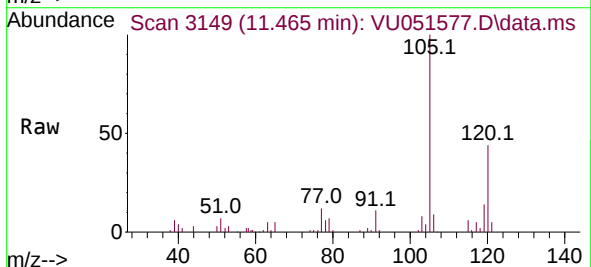
Acq: 28 Oct 2022 19:10

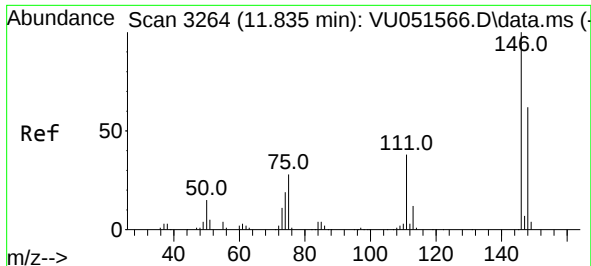
Tgt Ion:105 Resp: 36963

Ion Ratio Lower Upper

105 100

120 45.8 35.8 53.6

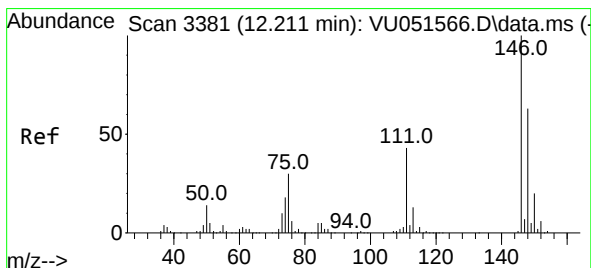
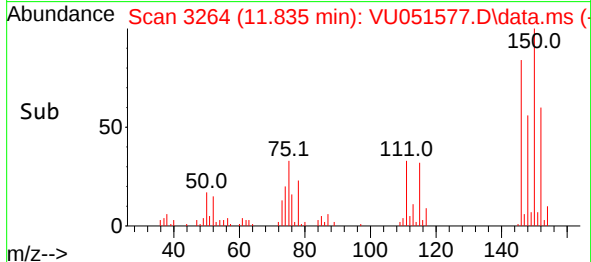
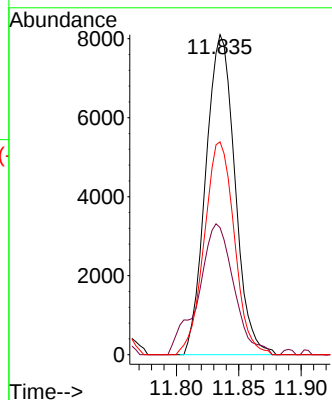
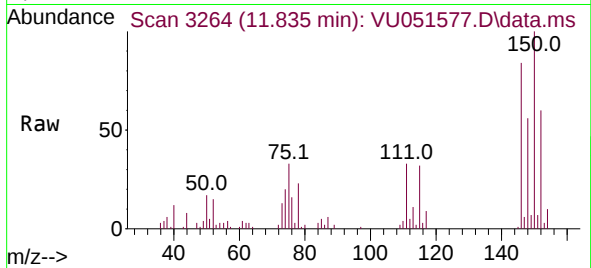




#65
1,4-Dichlorobenzene
Concen: 0.367 ug/L
RT: 11.835 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU051577.D
Acq: 28 Oct 2022 19:10

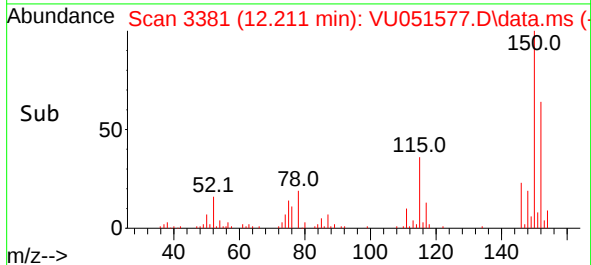
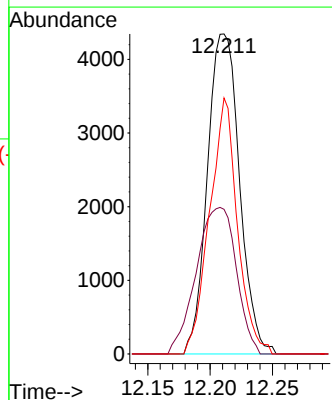
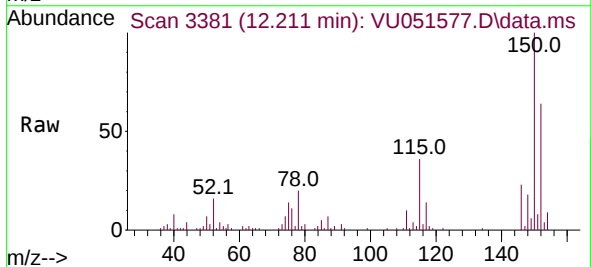
Instrument :
MSVOA_U
ClientSampleId :
BHA80DL

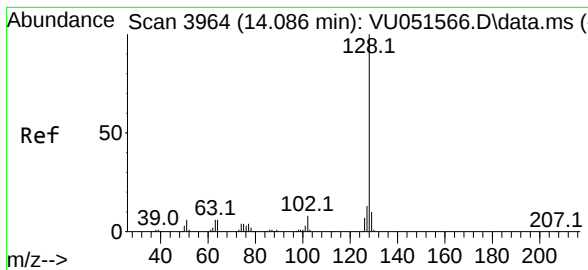
Tgt Ion:146 Resp: 13195
Ion Ratio Lower Upper
146 100
111 39.7 26.7 49.5
148 66.5 43.5 80.9



#67
1,2-Dichlorobenzene
Concen: 0.223 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU051577.D
Acq: 28 Oct 2022 19:10

Tgt Ion:146 Resp: 7805
Ion Ratio Lower Upper
146 100
111 45.2 34.2 51.2
148 80.0 50.1 75.1#





#71
Naphthalene
Concen: 0.163 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU051577.D
Acq: 28 Oct 2022 19:10

Instrument :
MSVOA_U
ClientSampleId :
BHA80DL

Tgt Ion:	128	Resp:	5988
Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.4	12.6
127	12.9	10.3	15.5

