

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
 Data File : VU051648.D
 Acq On : 01 Nov 2022 07:04
 Operator : JC/MD
 Sample : N5319-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHA98

Quant Time: Nov 01 07:31:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 01 02:34:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	259863	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	257091	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	138455	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	80639	4.120	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.400%
7) Chloroethane-d5	1.909	69	87354	4.280	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.600%
11) 1,1-Dichloroethene-d2	2.562	65	29567	4.163	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.200%
20) 2-Butanone-d5	4.642	46	392727	55.407	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.820%
24) Chloroform-d	5.060	84	200456	4.377	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.600%
26) 1,2-Dichloroethane-d4	5.703	65	112235	4.536	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
32) Benzene-d6	5.726	84	393051	4.845	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
36) 1,2-Dichloropropane-d6	6.690	67	138867	4.895	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.800%
41) Toluene-d8	7.896	98	304204	4.768	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
43) trans-1,3-Dichloroprop...	8.179	79	33914	3.910	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.200%
46) 2-Hexanone-d5	8.632	63	303409	58.104	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.200%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	131617	5.063	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	126420	4.975	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.400%
Target Compounds						
					Qvalue	
8) Chloroethane	1.932	64	70462	3.381	ug/L	84
13) Acetone	2.655	43	14766	4.106	ug/L	85
14) Carbon disulfide	2.790	76	13957	0.192	ug/L	97
18) trans-1,2-Dichloroethene	3.353	96	3420	0.141	ug/L	85
22) cis-1,2-Dichloroethene	4.665	96	80950	3.017	ug/L	96
30) Cyclohexane	5.385	56	61233	1.905	ug/L	100
33) Benzene	5.767	78	19251955	189.758	ug/L	100
35) Methylcyclohexane	6.758	83	38129	1.126	ug/L	98
42) Toluene	7.967	91	1372353	13.171	ug/L	99
51) Chlorobenzene	9.446	112	5161680	78.710	ug/L	98
52) Ethylbenzene	9.568	91	9135671	90.871	ug/L	100
53) m,p-Xylene	9.690	106	7448003	190.733	ug/L	89
54) o-Xylene	10.098	106	1604026	42.031	ug/L	98
60) Isopropylbenzene	10.481	105	2238263	22.145	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	416968	15.323	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	2534938	32.309	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	134436	2.672	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	382089	7.573	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	872180	17.794	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 01 02:34:58 2022
Response via : Initial Calibration

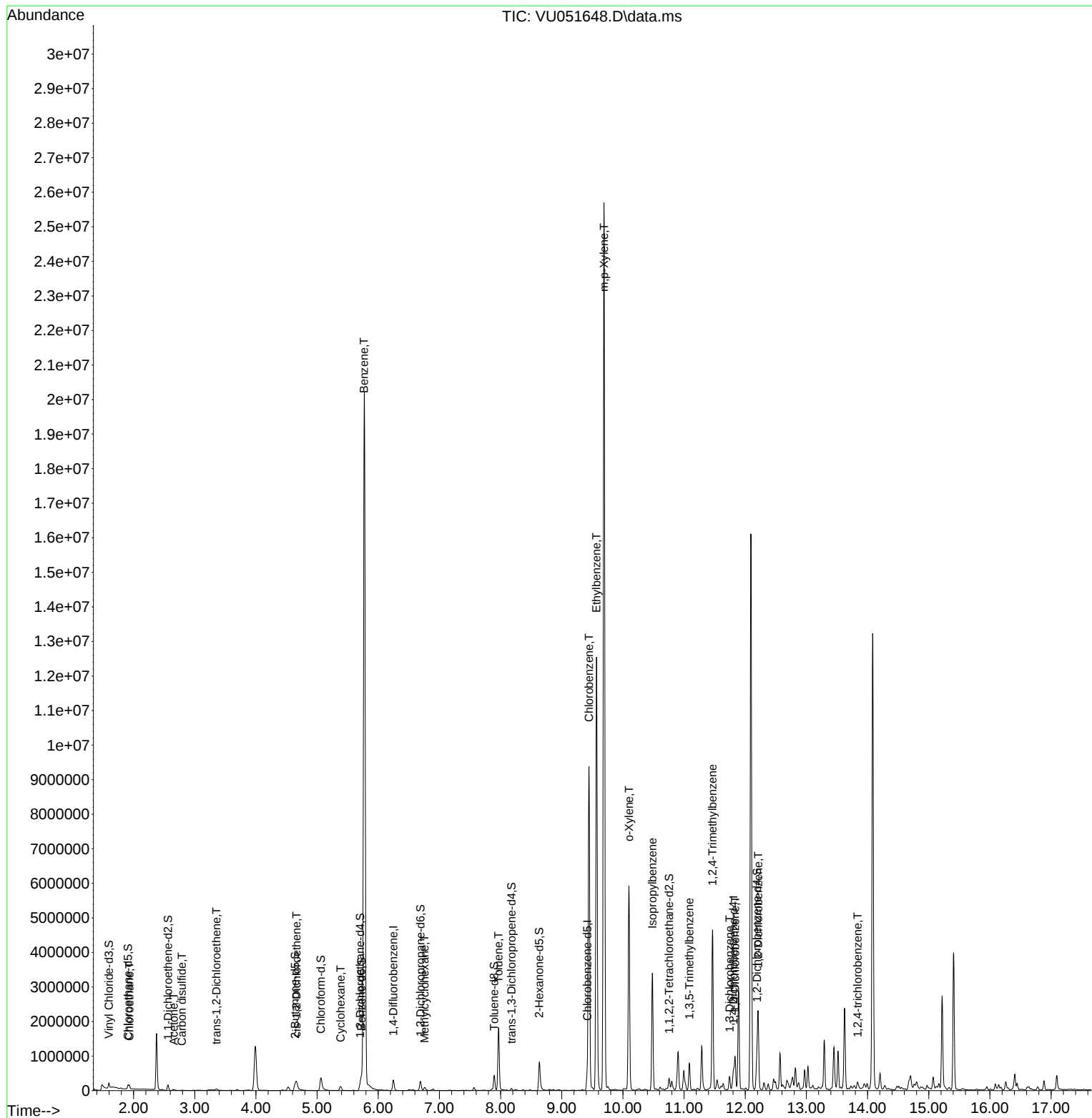
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.838	180	32495	1.180	ug/L	97

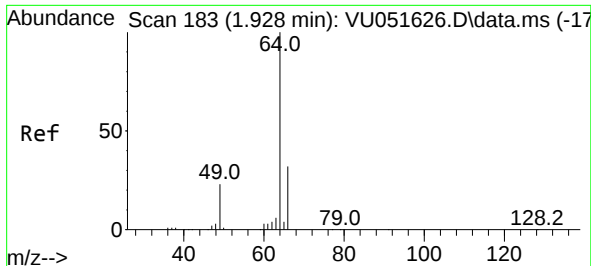
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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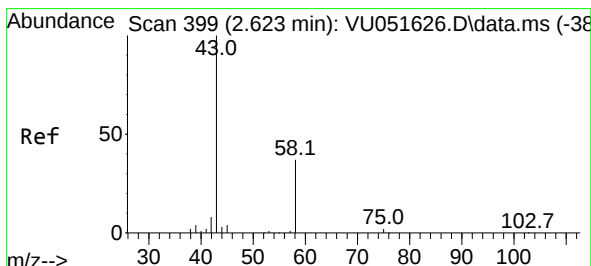
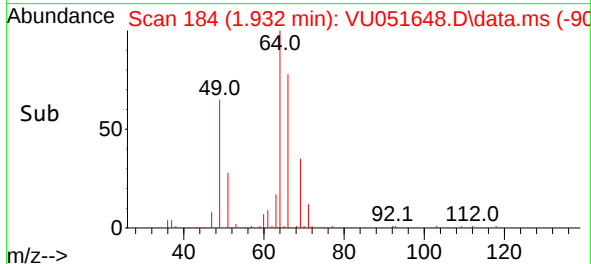
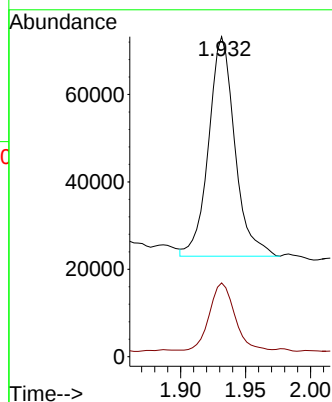
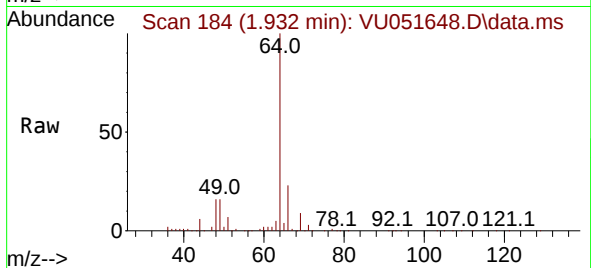




#8
Chloroethane
Concen: 3.381 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU051648.D
Acq: 01 Nov 2022 07:04

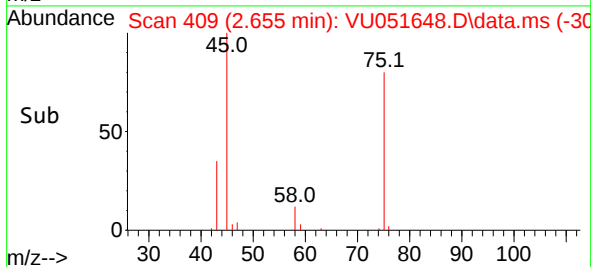
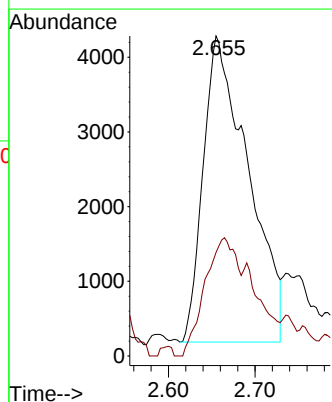
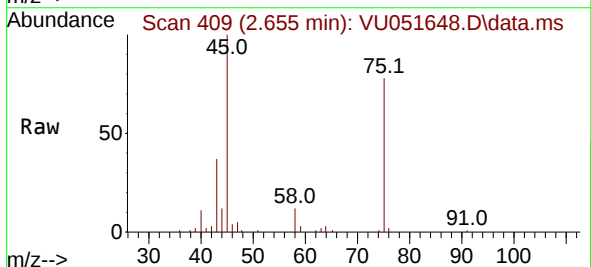
Instrument :
MSVOA_U
ClientSampleId :
BHA98

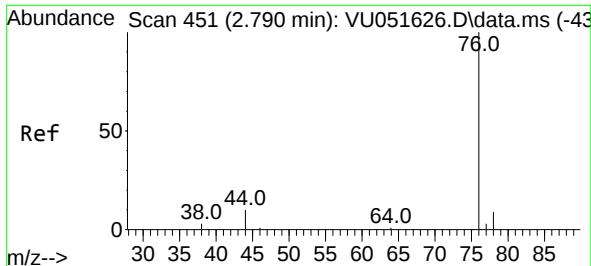
Tgt Ion: 64 Resp: 70462
Ion Ratio Lower Upper
64 100
66 23.0 22.3 41.5



#13
Acetone
Concen: 4.106 ug/L
RT: 2.655 min Scan# 409
Delta R.T. 0.032 min
Lab File: VU051648.D
Acq: 01 Nov 2022 07:04

Tgt Ion: 43 Resp: 14766
Ion Ratio Lower Upper
43 100
58 28.0 0.0 73.8

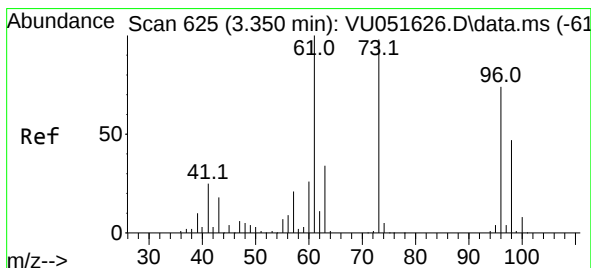
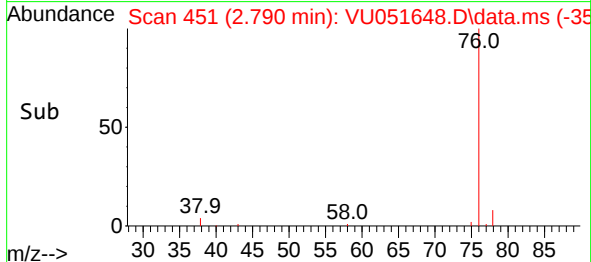
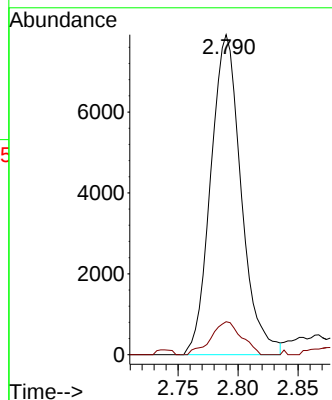
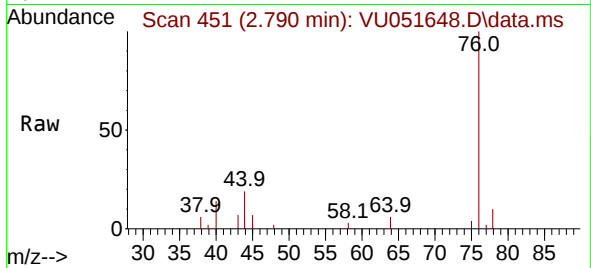




#14
Carbon disulfide
Concen: 0.192 ug/L
RT: 2.790 min Scan# 41
Delta R.T. -0.000 min
Lab File: VU051648.D
Acq: 01 Nov 2022 07:04

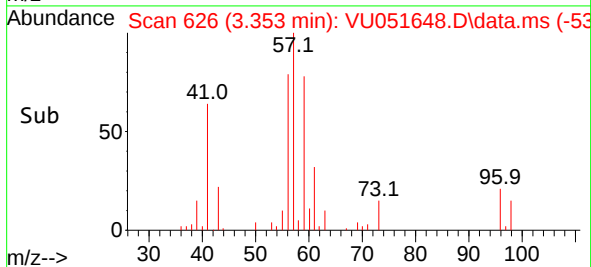
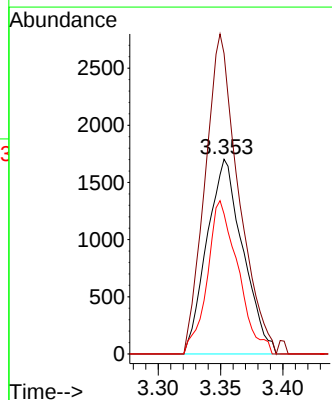
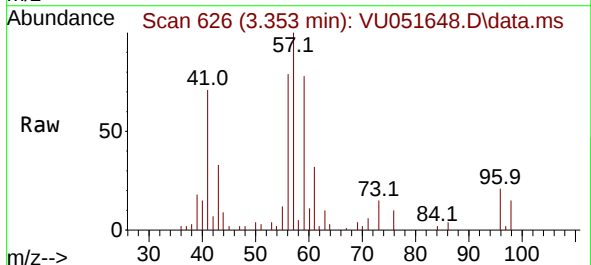
Instrument :
MSVOA_U
ClientSampleId :
BHA98

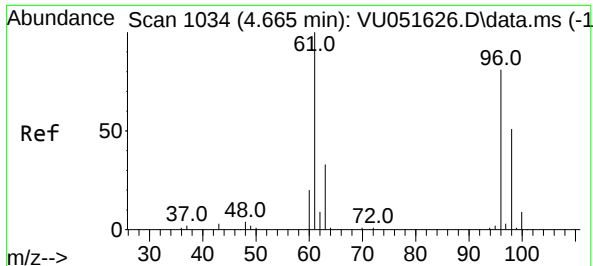
Tgt Ion: 76 Resp: 13957
Ion Ratio Lower Upper
76 100
78 10.3 7.4 11.2



#18
trans-1,2-Dichloroethene
Concen: 0.141 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.003 min
Lab File: VU051648.D
Acq: 01 Nov 2022 07:04

Tgt Ion: 96 Resp: 3420
Ion Ratio Lower Upper
96 100
61 154.4 94.7 175.9
98 71.9 44.2 82.0





#22

cis-1,2-Dichloroethene

Concen: 3.017 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU051648.D

Acq: 01 Nov 2022 07:04

Instrument :

MSVOA_U

ClientSampleId :

BHA98

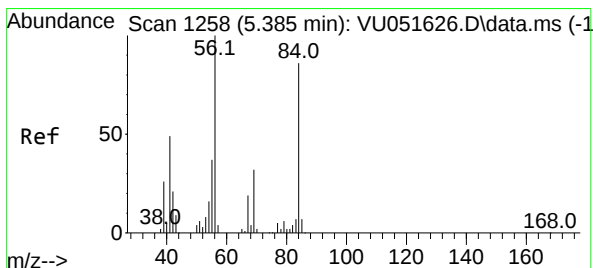
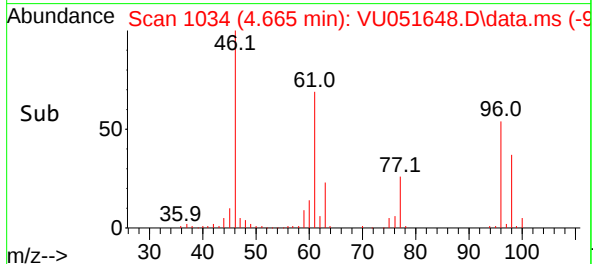
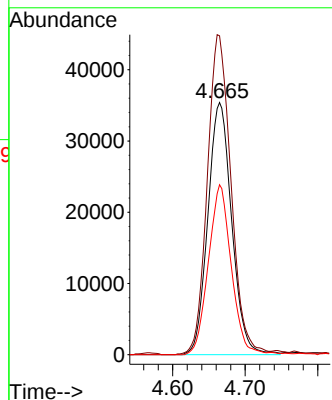
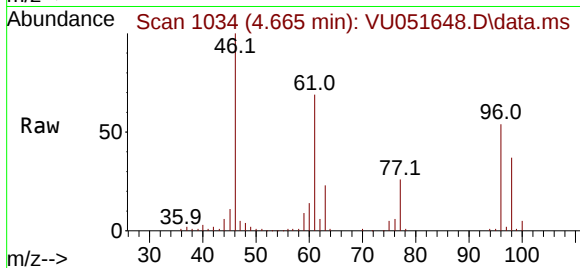
Tgt Ion: 96 Resp: 80950

Ion Ratio Lower Upper

96 100

61 126.5 86.4 160.4

98 67.4 44.2 82.2



#30

Cyclohexane

Concen: 1.905 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU051648.D

Acq: 01 Nov 2022 07:04

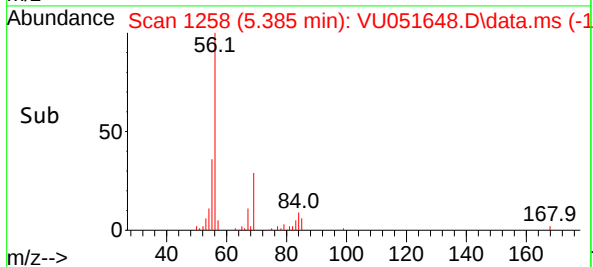
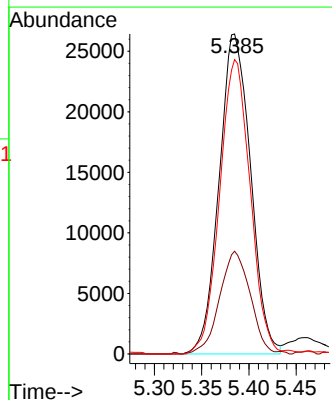
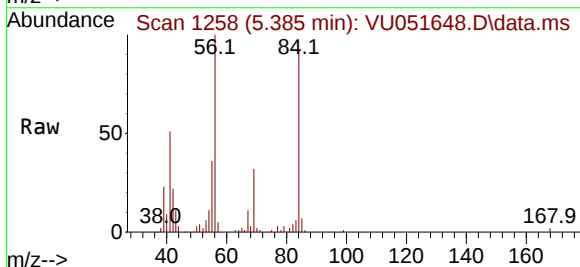
Tgt Ion: 56 Resp: 61233

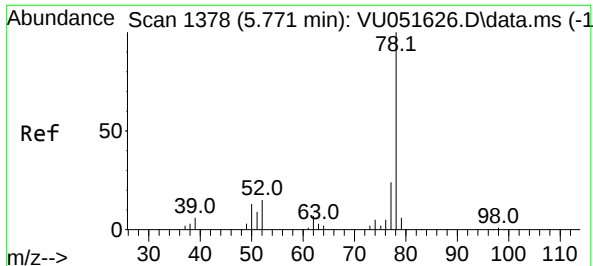
Ion Ratio Lower Upper

56 100

69 31.3 25.4 38.0

84 89.1 71.4 107.0

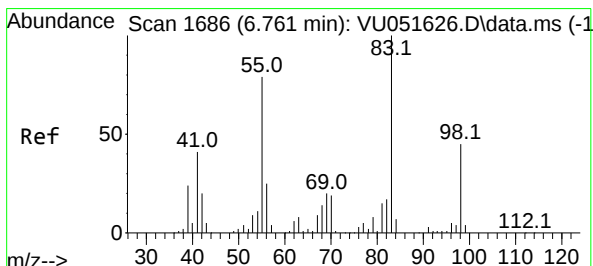
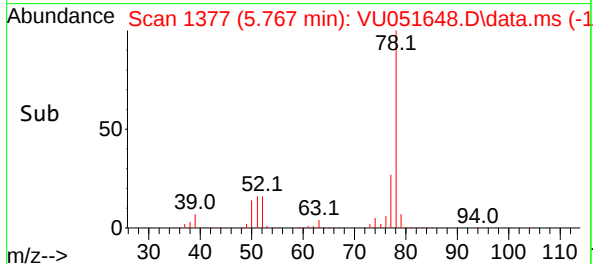
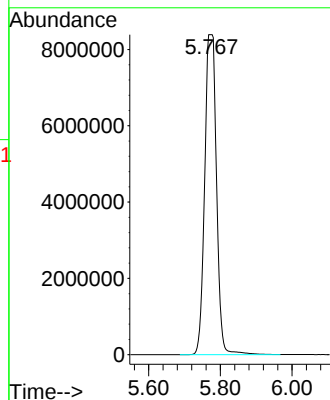
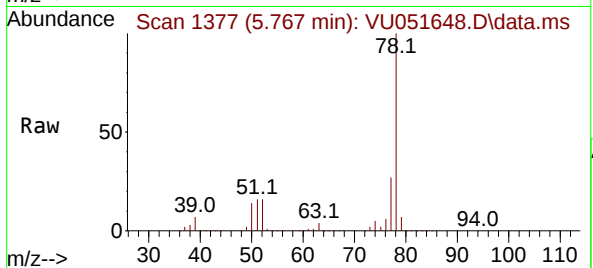




#33
Benzene
Concen: 189.758 ug/L
RT: 5.767 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU051648.D
Acq: 01 Nov 2022 07:04

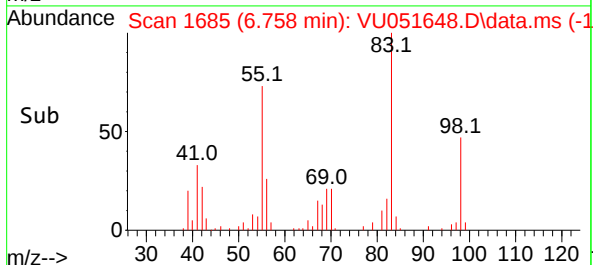
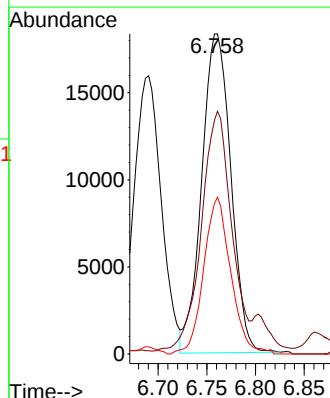
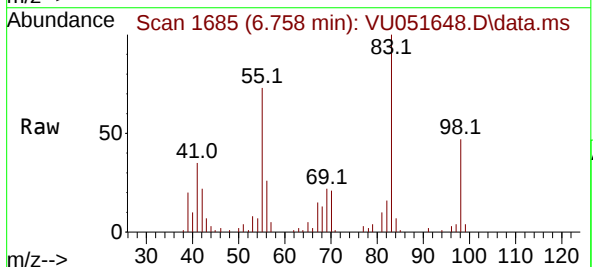
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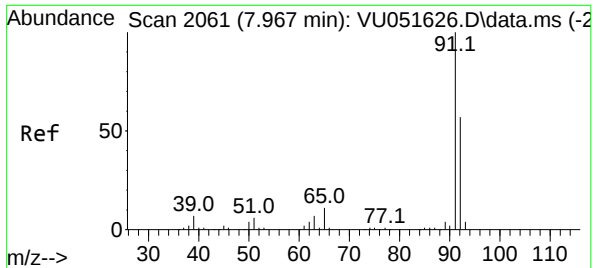
Tgt Ion: 78 Resp:19251955



#35
Methylcyclohexane
Concen: 1.126 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU051648.D
Acq: 01 Nov 2022 07:04

Tgt Ion: 83 Resp: 38129
Ion Ratio Lower Upper
83 100
55 77.3 60.6 90.8
98 45.6 35.8 53.6





#42

Toluene

Concen: 13.171 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051648.D

Acq: 01 Nov 2022 07:04

Instrument :

MSVOA_U

ClientSampleId :

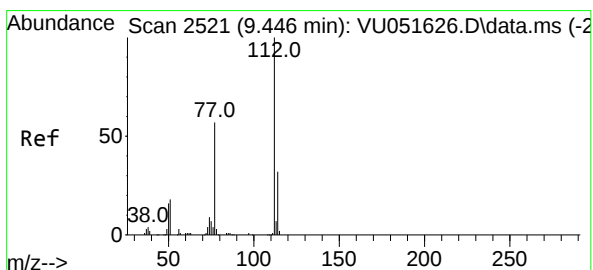
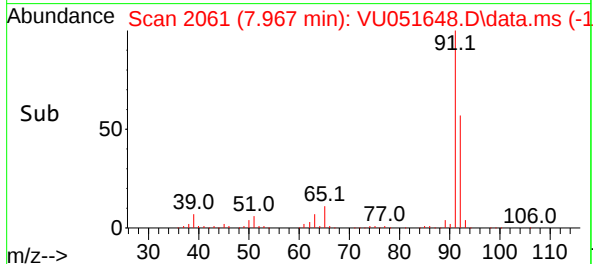
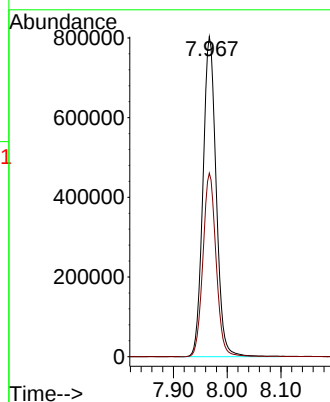
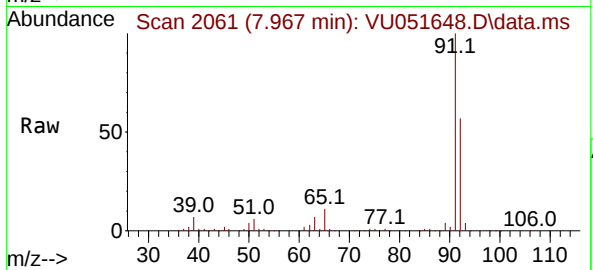
BHA98

Tgt Ion: 91 Resp: 1372353

Ion Ratio Lower Upper

91 100

92 57.3 40.5 75.3



#51

Chlorobenzene

Concen: 78.710 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051648.D

Acq: 01 Nov 2022 07:04

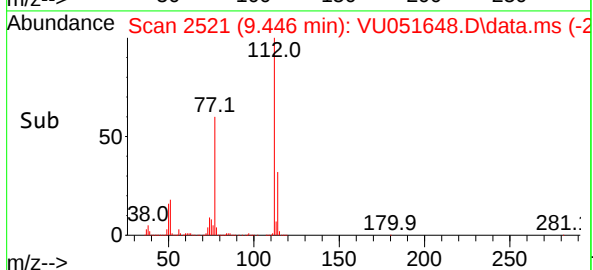
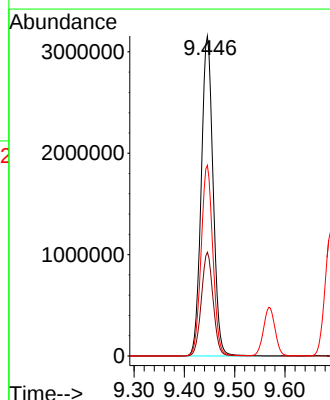
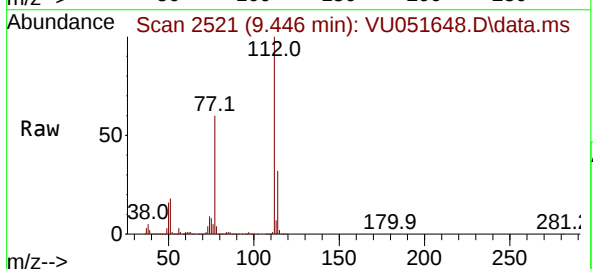
Tgt Ion: 112 Resp: 5161680

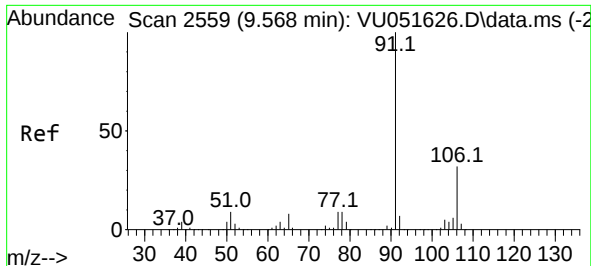
Ion Ratio Lower Upper

112 100

114 32.4 22.0 40.8

77 59.6 46.7 70.1

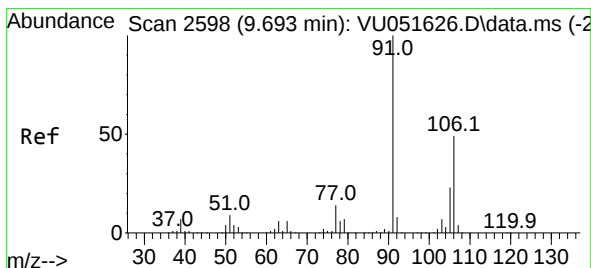
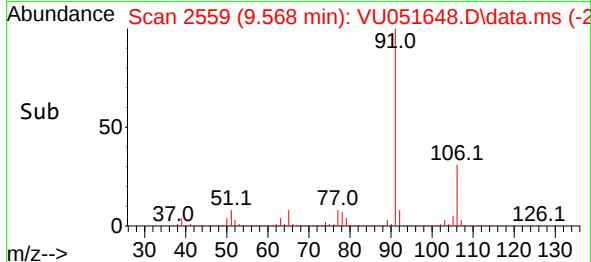
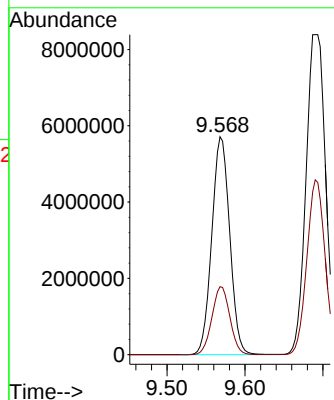
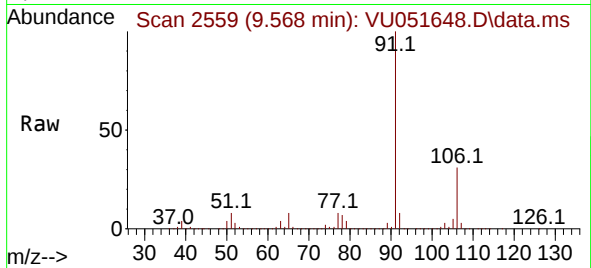




#52
Ethylbenzene
Concen: 90.871 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051648.D
Acq: 01 Nov 2022 07:04

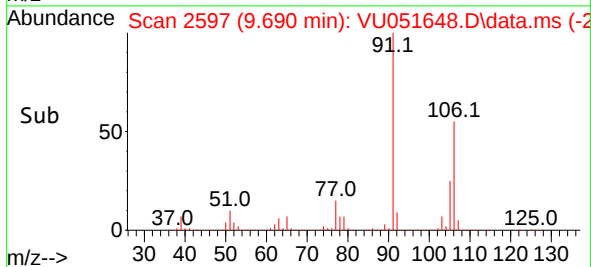
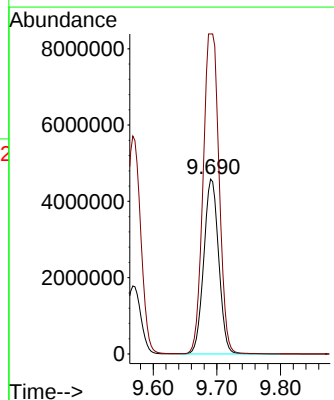
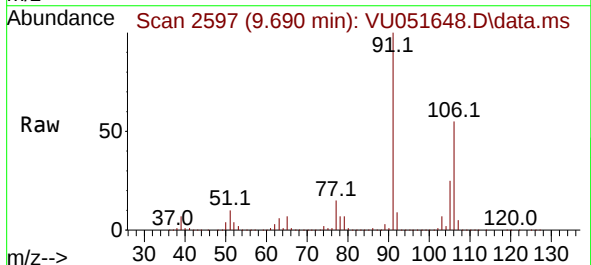
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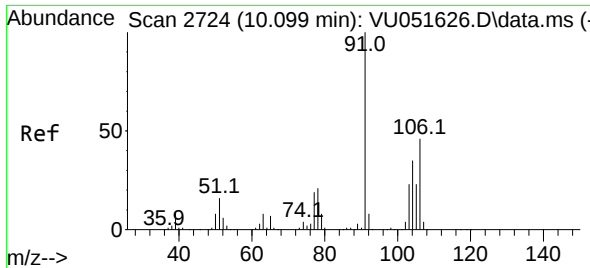
Tgt Ion: 91 Resp: 9135671
Ion Ratio Lower Upper
91 100
106 31.2 21.8 40.6



#53
m,p-Xylene
Concen: 190.733 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU051648.D
Acq: 01 Nov 2022 07:04

Tgt Ion: 106 Resp: 7448003
Ion Ratio Lower Upper
106 100
91 182.9 139.4 259.0

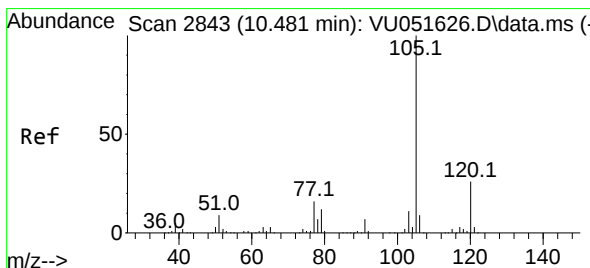
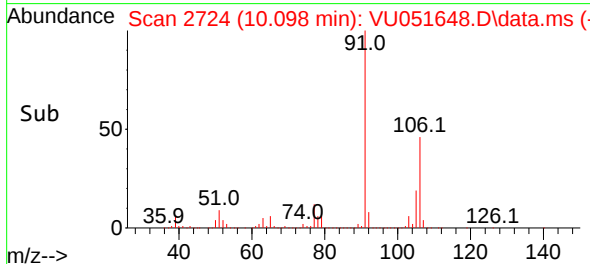
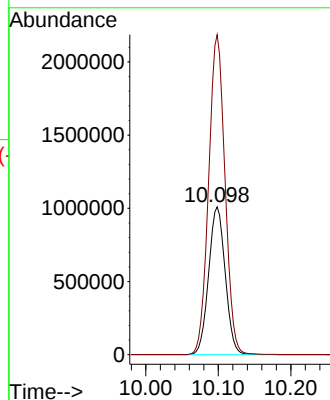
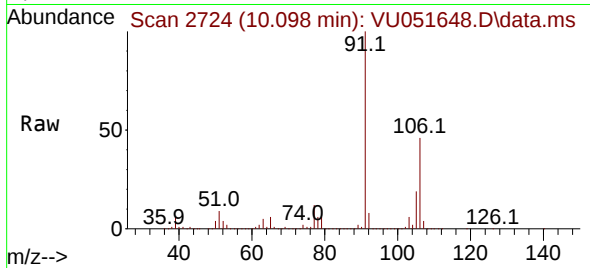




#54
o-Xylene
Concen: 42.031 ug/L
RT: 10.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051648.D
Acq: 01 Nov 2022 07:04

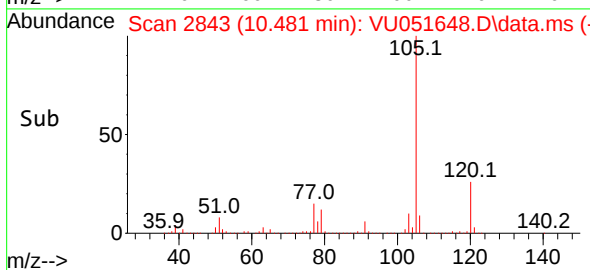
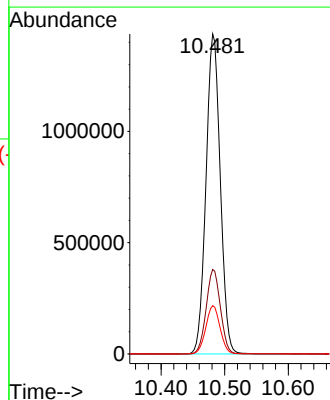
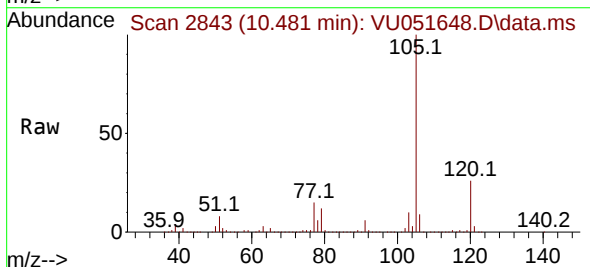
Instrument :
MSVOA_U
ClientSampleId :
BHA98

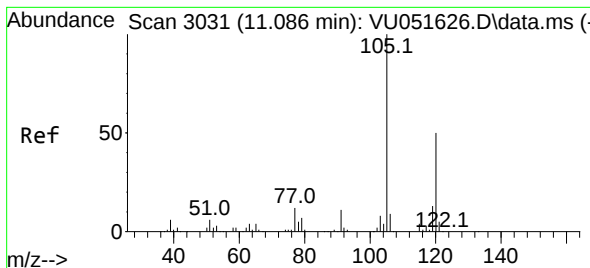
Tgt Ion:106 Resp: 1604026
Ion Ratio Lower Upper
106 100
91 216.3 149.2 277.2



#60
Isopropylbenzene
Concen: 22.145 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU051648.D
Acq: 01 Nov 2022 07:04

Tgt Ion:105 Resp: 2238263
Ion Ratio Lower Upper
105 100
120 26.4 20.9 31.3
77 15.1 12.3 18.5

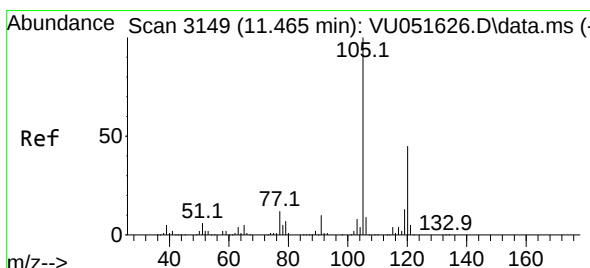
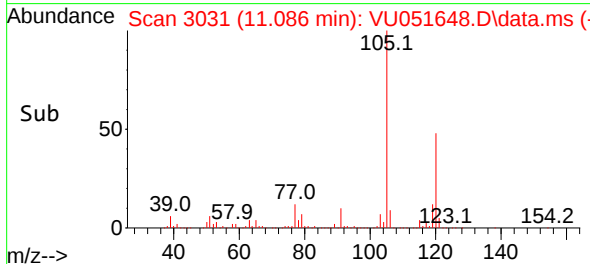
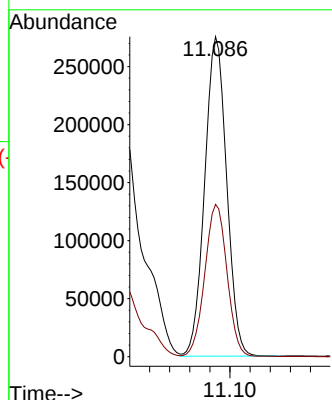
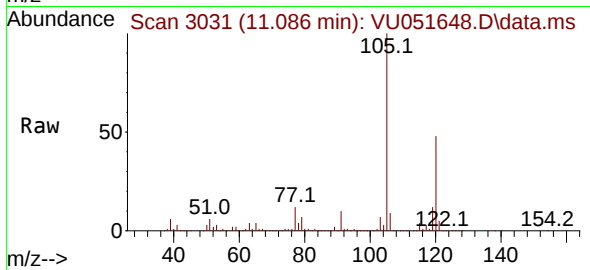




#62
1,3,5-Trimethylbenzene
Concen: 15.323 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU051648.D
Acq: 01 Nov 2022 07:04

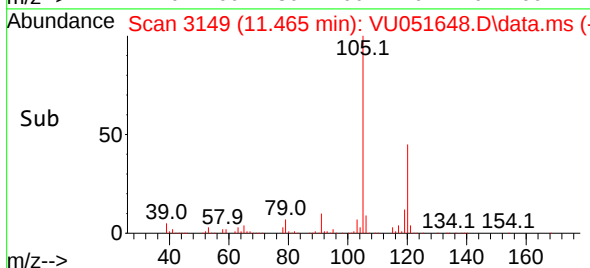
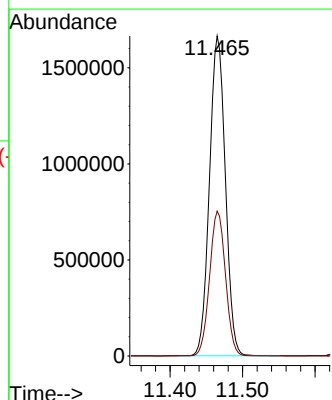
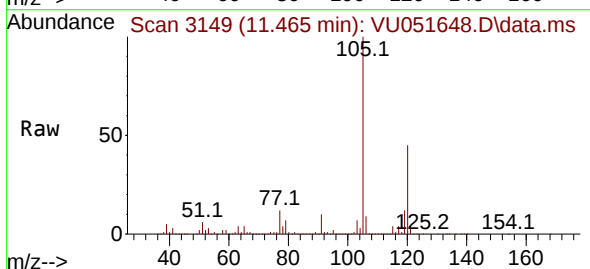
Instrument :
MSVOA_U
ClientSampleId :
BHA98

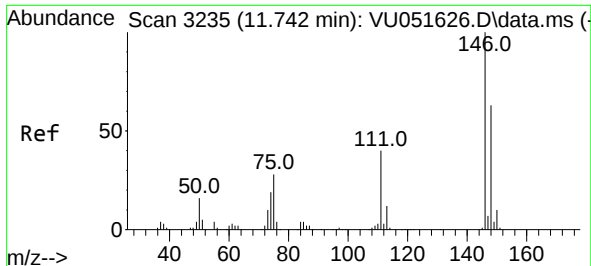
Tgt Ion:105 Resp: 416968
Ion Ratio Lower Upper
105 100
120 48.3 38.6 57.8



#63
1,2,4-Trimethylbenzene
Concen: 32.309 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.000 min
Lab File: VU051648.D
Acq: 01 Nov 2022 07:04

Tgt Ion:105 Resp: 2534938
Ion Ratio Lower Upper
105 100
120 45.3 35.8 53.6

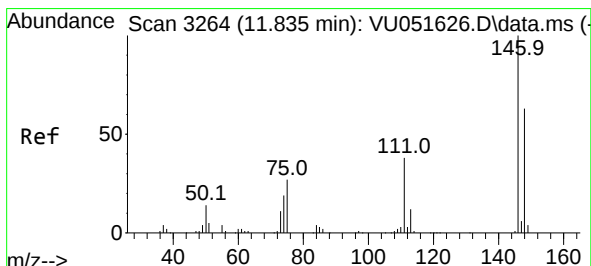
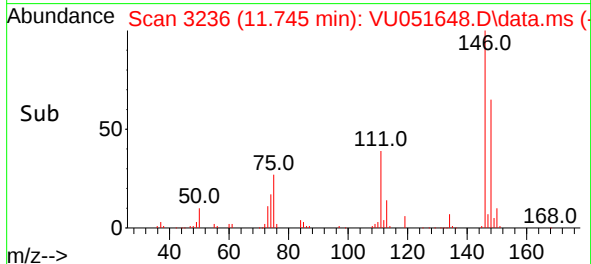
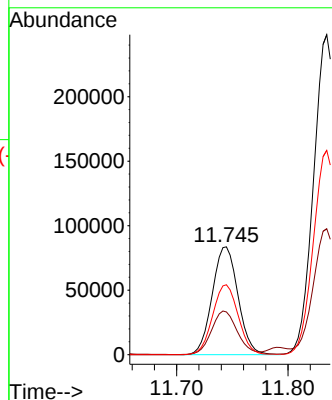
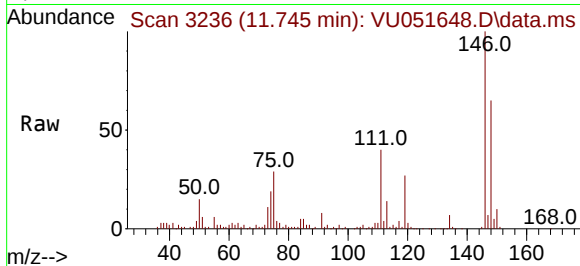




#64
1,3-Dichlorobenzene
Concen: 2.672 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051648.D
Acq: 01 Nov 2022 07:04

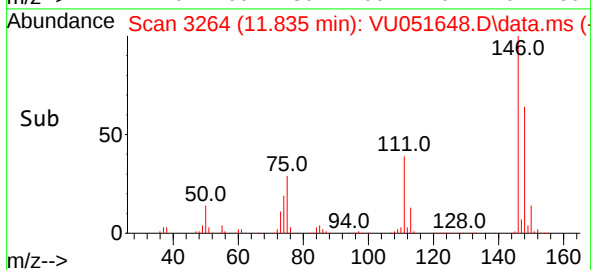
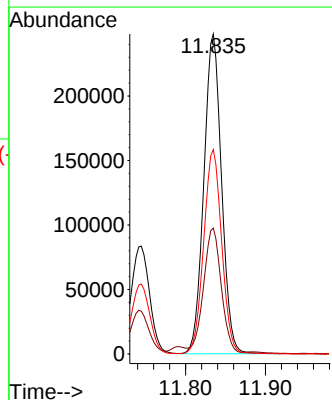
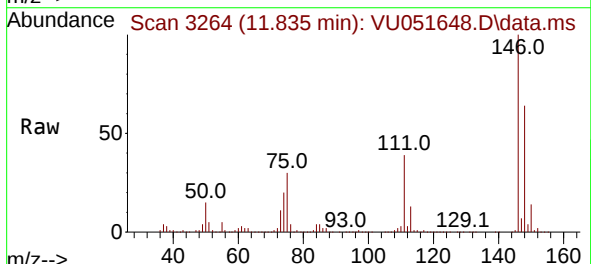
Instrument :
MSVOA_U
ClientSampleId :
BHA98

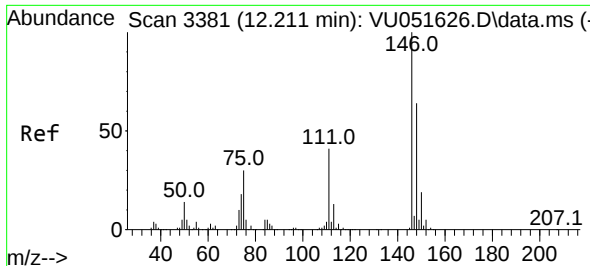
Tgt Ion:146 Resp: 134436
Ion Ratio Lower Upper
146 100
111 39.6 28.6 53.2
148 64.8 44.7 82.9



#65
1,4-Dichlorobenzene
Concen: 7.573 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051648.D
Acq: 01 Nov 2022 07:04

Tgt Ion:146 Resp: 382089
Ion Ratio Lower Upper
146 100
111 39.4 26.7 49.5
148 63.9 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 17.794 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU051648.D

Acq: 01 Nov 2022 07:04

Instrument :

MSVOA_U

ClientSampleId :

BHA98

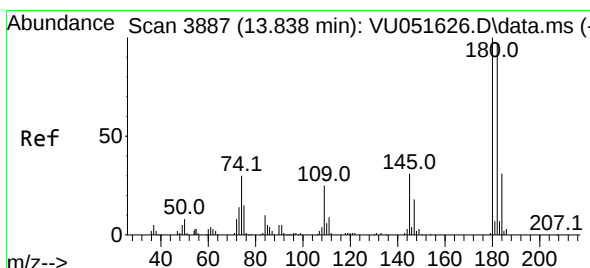
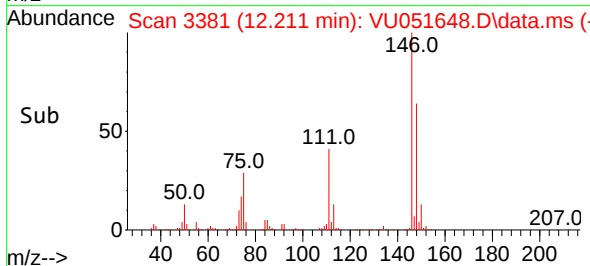
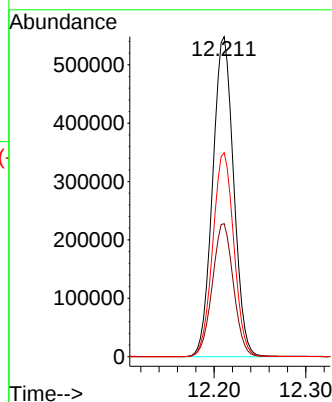
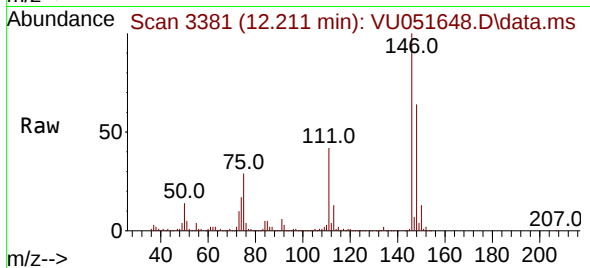
Tgt Ion:146 Resp: 872180

Ion Ratio Lower Upper

146 100

111 41.6 34.2 51.2

148 63.8 50.1 75.1



#70

1,2,4-trichlorobenzene

Concen: 1.180 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. -0.000 min

Lab File: VU051648.D

Acq: 01 Nov 2022 07:04

Tgt Ion:180 Resp: 32495

Ion Ratio Lower Upper

180 100

182 96.4 77.8 116.6

145 35.5 25.0 37.6

