

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102722\
 Data File : VU051557.D
 Acq On : 27 Oct 2022 22:36
 Operator : JC/MD
 Sample : N5300-03DL 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHA80DL

Quant Time: Oct 28 00:13:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 28 00:08:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	254778	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	258223	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	118756	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	79592	3.873	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.400%
7) Chloroethane-d5	1.906	69	77937	4.414	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.200%
11) 1,1-Dichloroethene-d2	2.562	65	28741	3.538	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.800%
20) 2-Butanone-d5	4.620	46	266601	58.920	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.840%
24) Chloroform-d	5.060	84	167114	4.362	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.200%
26) 1,2-Dichloroethane-d4	5.700	65	92315	4.672	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.400%
32) Benzene-d6	5.726	84	320695	4.515	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
36) 1,2-Dichloropropane-d6	6.687	67	111796	4.634	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.600%
41) Toluene-d8	7.896	98	235933	3.712	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.200%
43) trans-1,3-Dichloroprop...	8.179	79	31788	4.011	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.200%
46) 2-Hexanone-d5	8.629	63	208764	78.150	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	156.300%#
56) 1,1,2,2-Tetrachloroeth...	10.754	84	99720	5.174	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	96044	4.653	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.000%
Target Compounds						
					Qvalue	
8) Chloroethane	1.925	64	1656	0.091	ug/L #	74
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	826	0.042	ug/L #	21
16) Methylene chloride	3.044	84	11890	0.433	ug/L	96
27) 1,2-Dichloroethane	5.768	62	4644	0.184	ug/L #	74
33) Benzene	5.771	78	564890	6.553	ug/L	100
37) 1,2-Dichloropropane	6.690	63	11283	0.478	ug/L #	91
42) Toluene	7.967	91	758015	8.284	ug/L	99
51) Chlorobenzene	9.446	112	655872	11.996	ug/L	98
52) Ethylbenzene	9.568	91	377436	4.590	ug/L	97
53) m,p-Xylene	9.690	106	76143	2.388	ug/L	96
54) o-Xylene	10.099	106	38892	1.289	ug/L	99
55) Styrene	10.102	104	3520	0.068	ug/L #	1
60) Isopropylbenzene	10.481	105	31652	0.421	ug/L #	84
61) 1,2,3-Trichloropropane	11.809	75	17581	1.172	ug/L #	44
62) 1,3,5-Trimethylbenzene	11.086	105	3634	0.182	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	41280	0.732	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	14128	0.385	ug/L	96
67) 1,2-Dichlorobenzene	12.211	146	7957	0.220	ug/L	94
71) Naphthalene	14.089	128	15702	0.463	ug/L	99

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QLast Update : Fri Oct 28 00:08:00 2022
Response via : Initial Calibration

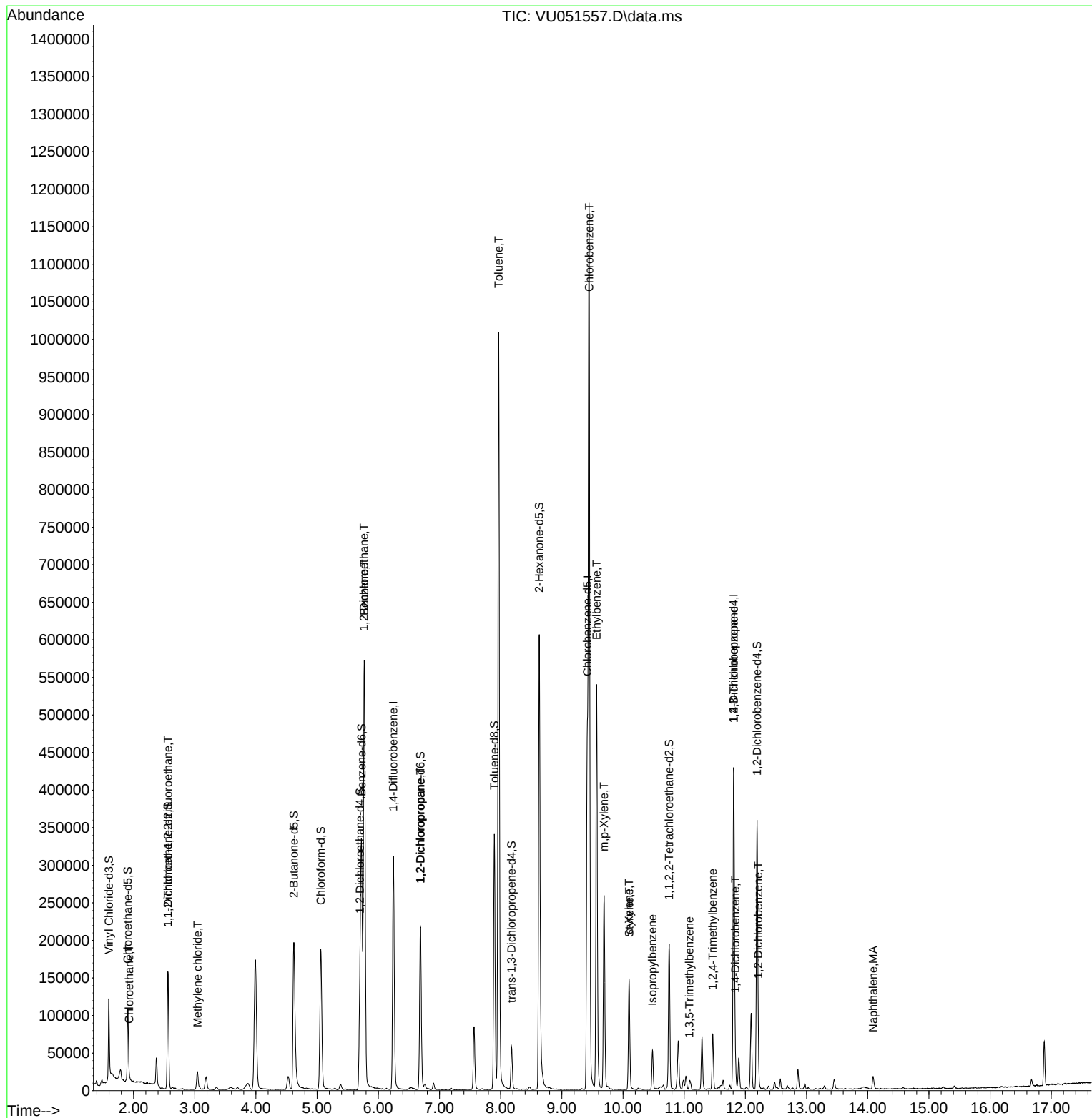
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

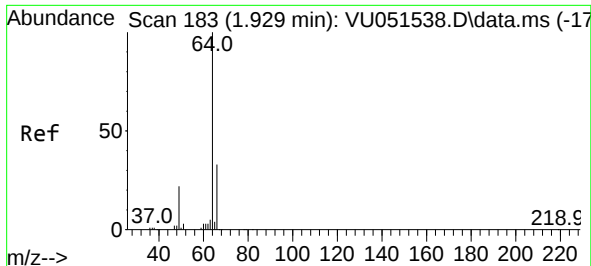
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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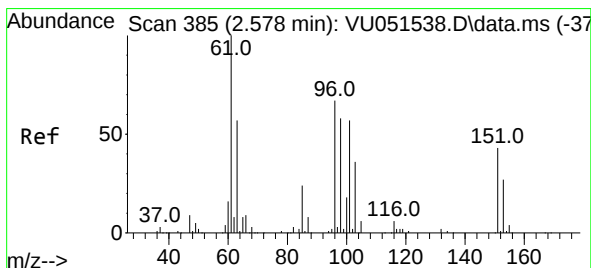
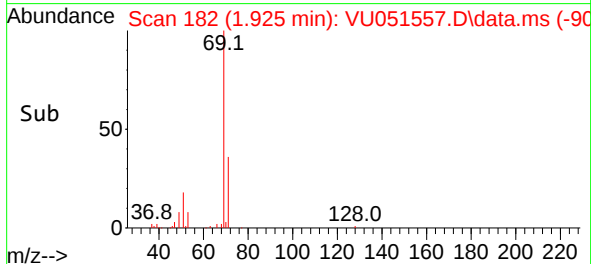
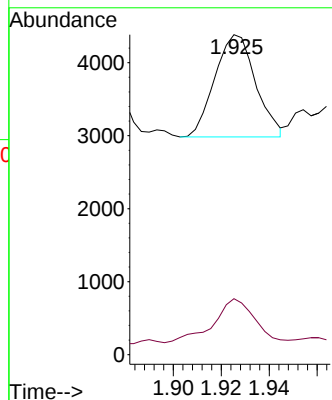
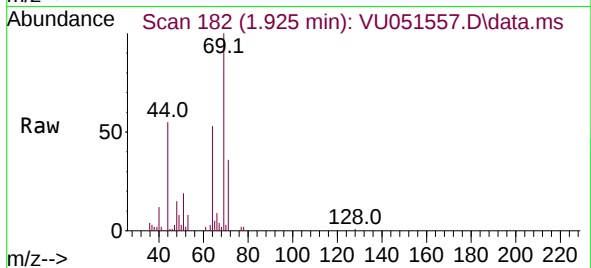




#8
Chloroethane
Concen: 0.091 ug/L
RT: 1.925 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU051557.D
Acq: 27 Oct 2022 22:36

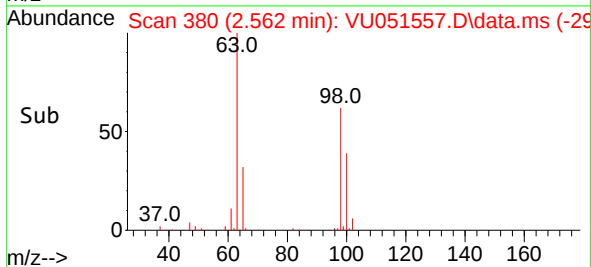
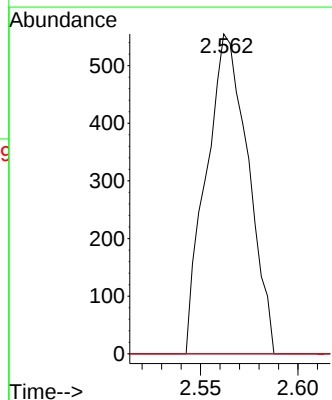
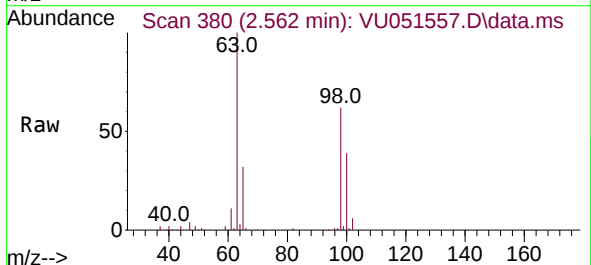
Instrument :
MSVOA_U
ClientSampleId :
BHA80DL

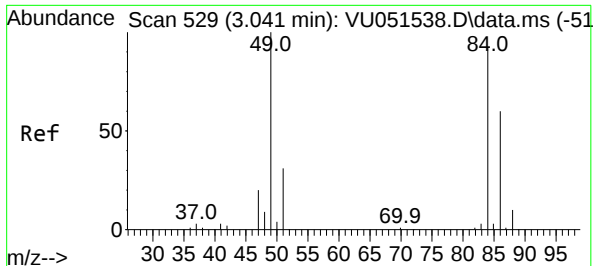
Tgt Ion: 64 Resp: 1656
Ion Ratio Lower Upper
64 100
66 17.5 22.3 41.3#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.042 ug/L
RT: 2.562 min Scan# 380
Delta R.T. -0.016 min
Lab File: VU051557.D
Acq: 27 Oct 2022 22:36

Tgt Ion:101 Resp: 826
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 56.5 84.7#

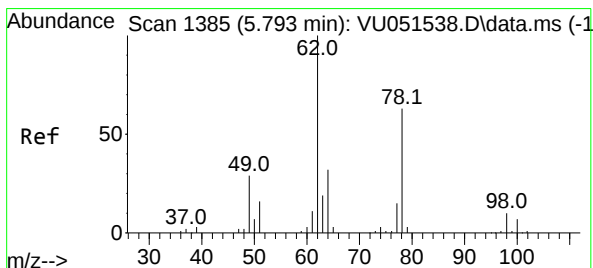
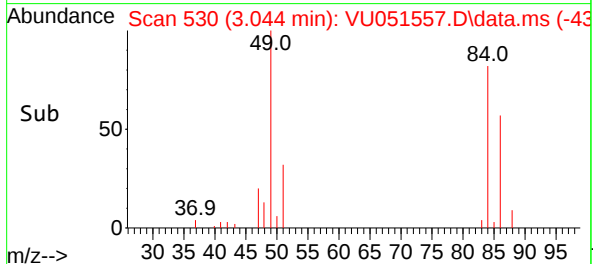
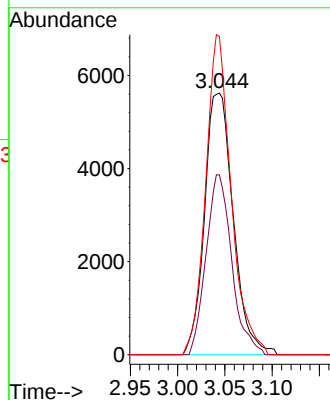
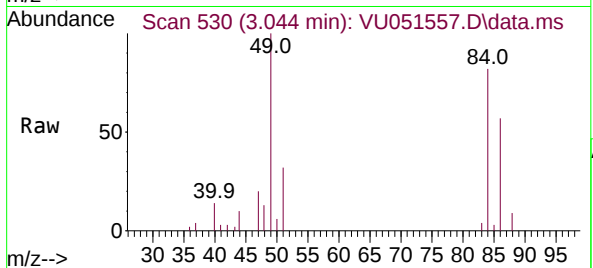




#16
Methylene chloride
Concen: 0.433 ug/L
RT: 3.044 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU051557.D
Acq: 27 Oct 2022 22:36

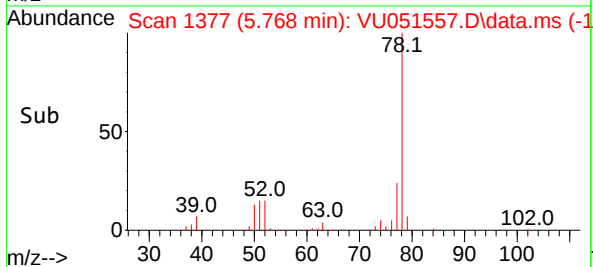
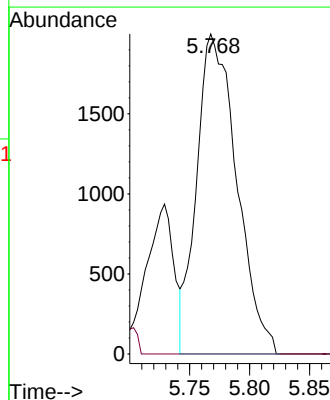
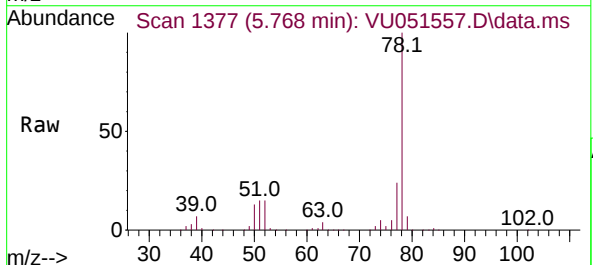
Instrument :
MSVOA_U
ClientSampleId :
BHA80DL

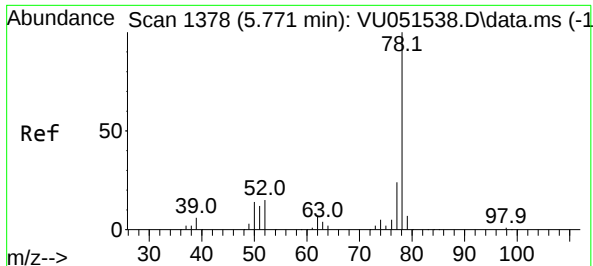
Tgt Ion: 84 Resp: 11890
Ion Ratio Lower Upper
84 100
86 68.8 46.5 86.3
49 121.6 81.3 151.1



#27
1,2-Dichloroethane
Concen: 0.184 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.026 min
Lab File: VU051557.D
Acq: 27 Oct 2022 22:36

Tgt Ion: 62 Resp: 4644
Ion Ratio Lower Upper
62 100
98 0.0 7.7 11.5#

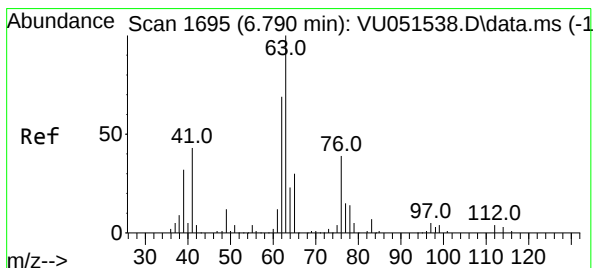
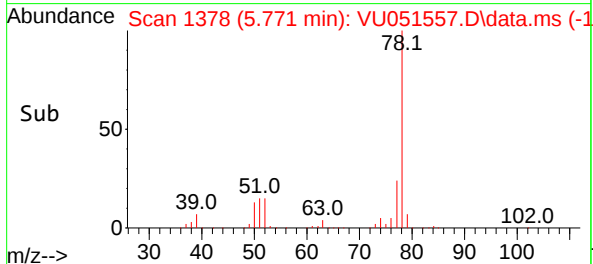
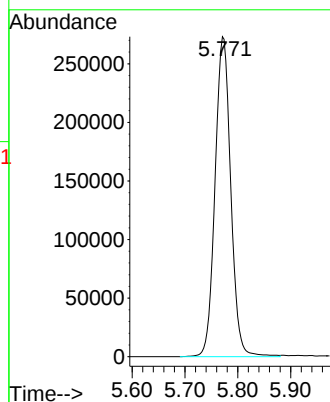
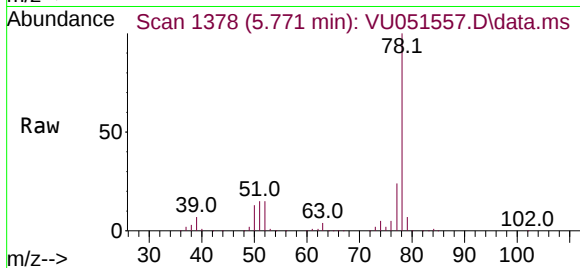




#33
Benzene
Concen: 6.553 ug/L
RT: 5.771 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051557.D
Acq: 27 Oct 2022 22:36

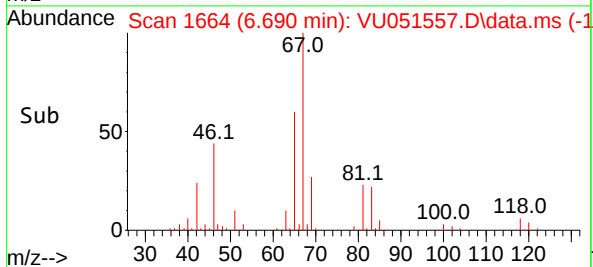
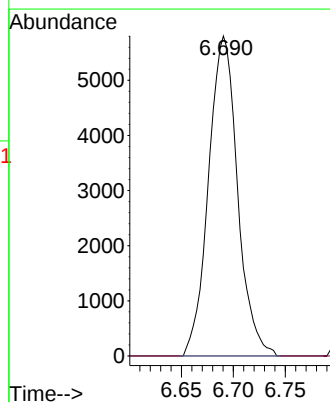
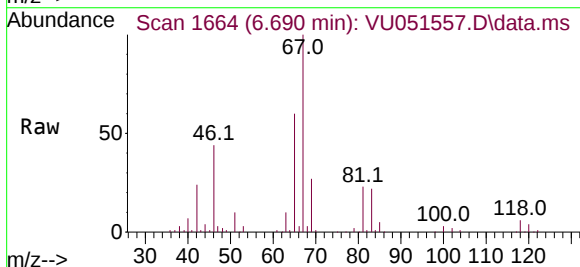
Instrument :
MSVOA_U
ClientSampleId :
BHA80DL

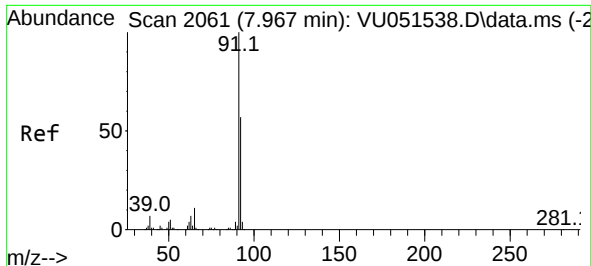
Tgt Ion: 78 Resp: 564890



#37
1,2-Dichloropropane
Concen: 0.478 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.100 min
Lab File: VU051557.D
Acq: 27 Oct 2022 22:36

Tgt Ion: 63 Resp: 11283
Ion Ratio Lower Upper
63 100
112 1.0 3.2 4.8#





#42

Toluene

Concen: 8.284 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051557.D

Acq: 27 Oct 2022 22:36

Instrument :

MSVOA_U

ClientSampleId :

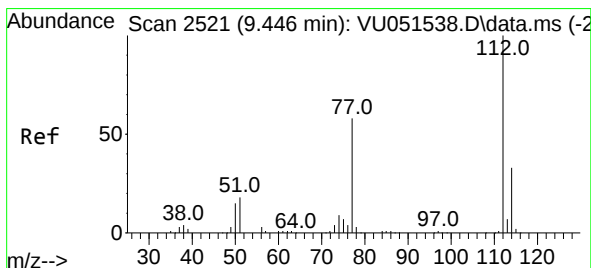
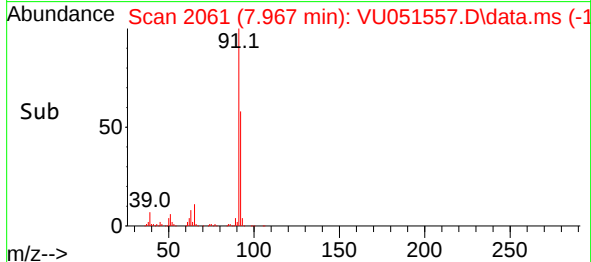
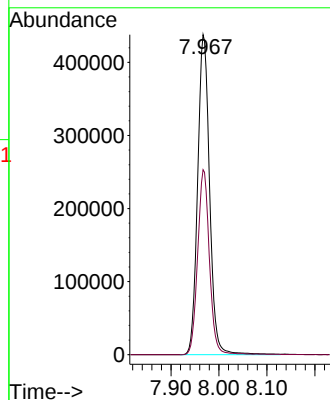
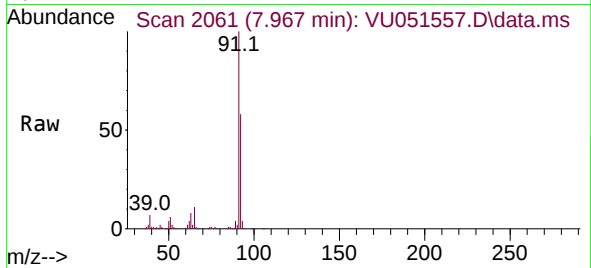
BHA80DL

Tgt Ion: 91 Resp: 758015

Ion Ratio Lower Upper

91 100

92 57.8 39.9 74.1



#51

Chlorobenzene

Concen: 11.996 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051557.D

Acq: 27 Oct 2022 22:36

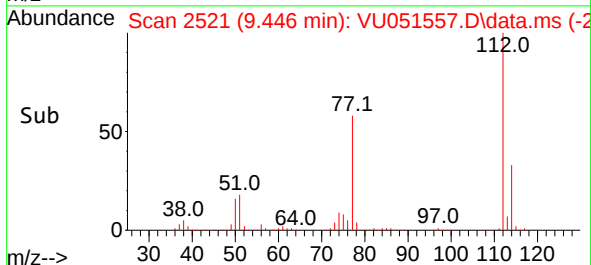
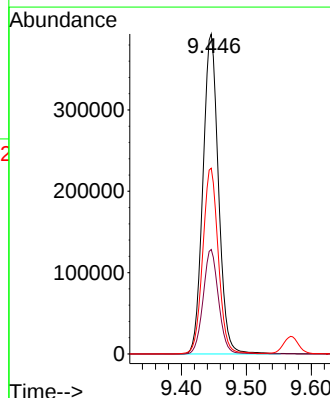
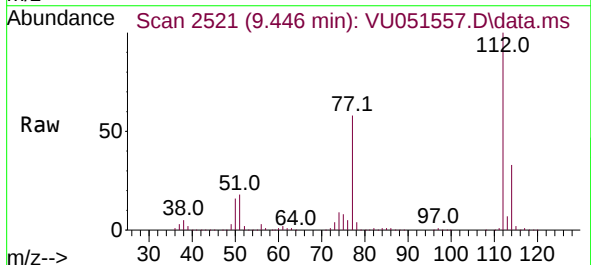
Tgt Ion: 112 Resp: 655872

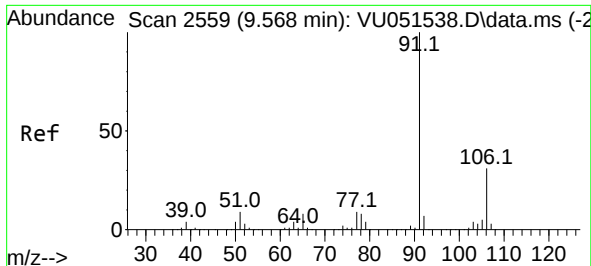
Ion Ratio Lower Upper

112 100

114 32.6 22.3 41.5

77 58.1 48.1 72.1

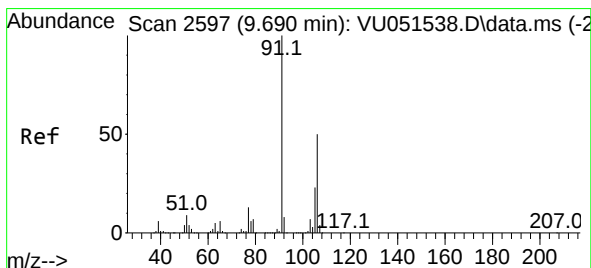
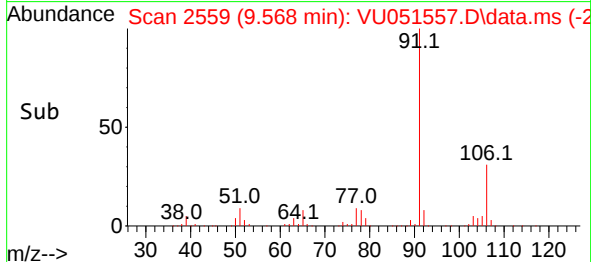
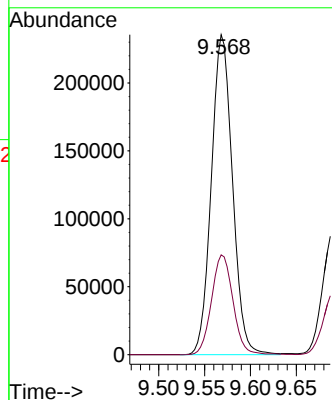
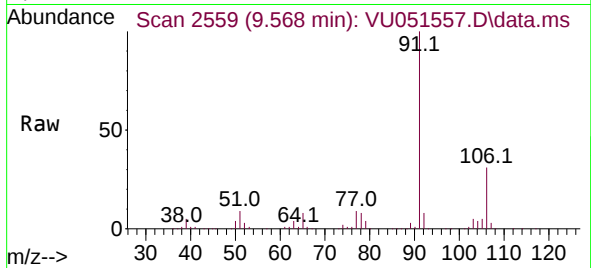




#52
Ethylbenzene
Concen: 4.590 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051557.D
Acq: 27 Oct 2022 22:36

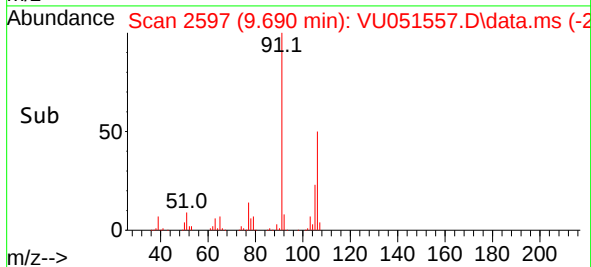
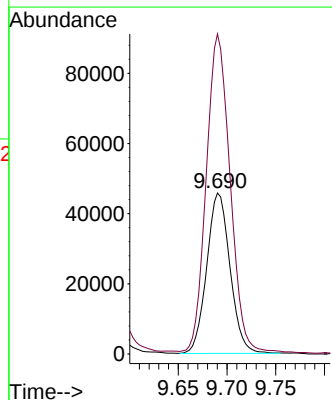
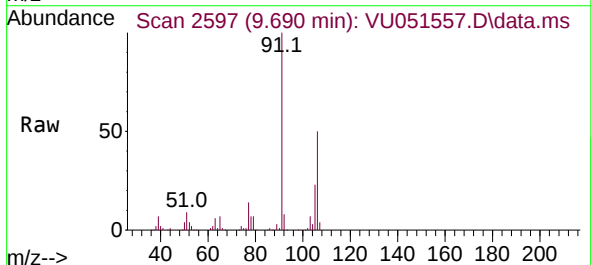
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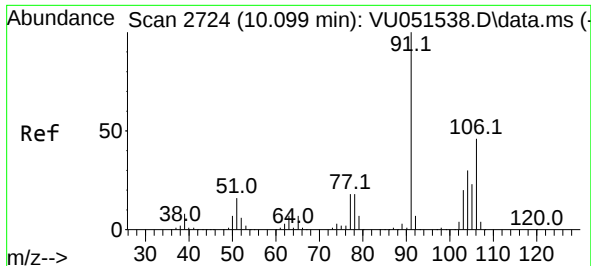
Tgt Ion: 91 Resp: 377436
Ion Ratio Lower Upper
91 100
106 31.2 20.9 38.7



#53
m,p-Xylene
Concen: 2.388 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
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Tgt Ion:106 Resp: 76143
Ion Ratio Lower Upper
106 100
91 198.8 143.9 267.3

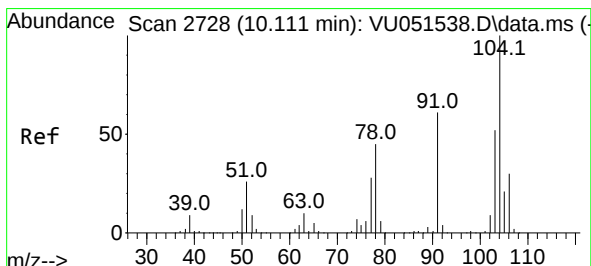
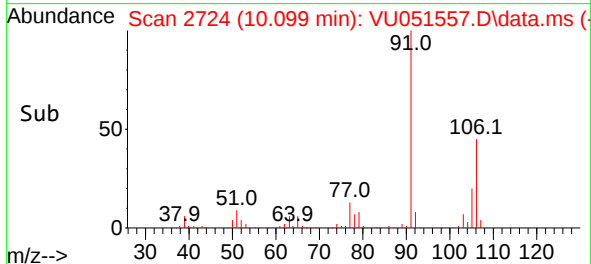
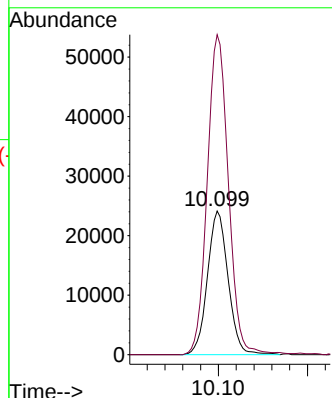
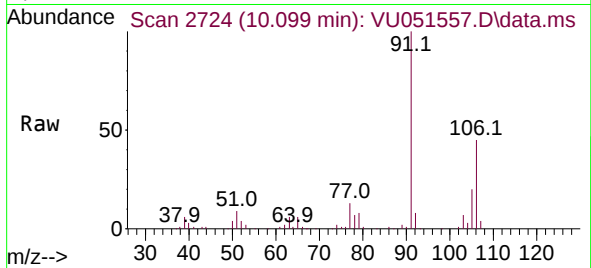




#54
o-Xylene
Concen: 1.289 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU051557.D
Acq: 27 Oct 2022 22:36

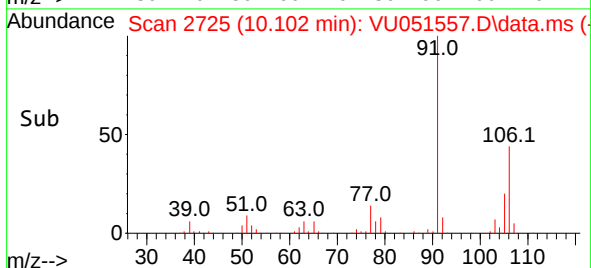
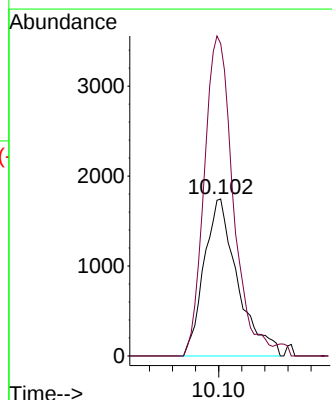
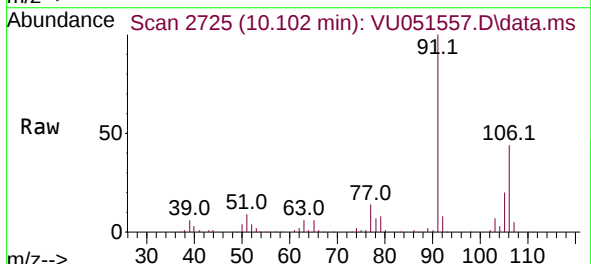
Instrument :
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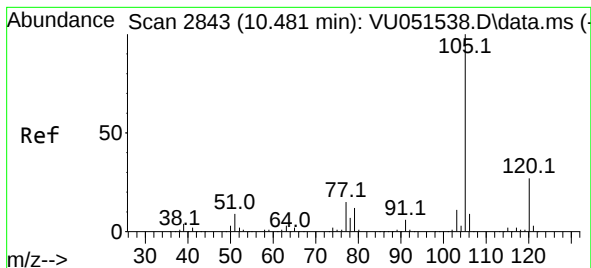
Tgt Ion:106 Resp: 38892
Ion Ratio Lower Upper
106 100
91 222.8 154.4 286.8



#55
Styrene
Concen: 0.068 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.010 min
Lab File: VU051557.D
Acq: 27 Oct 2022 22:36

Tgt Ion:104 Resp: 3520
Ion Ratio Lower Upper
104 100
78 199.0 32.1 59.7#





#60

Isopropylbenzene

Concen: 0.421 ug/L

RT: 10.481 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051557.D

Acq: 27 Oct 2022 22:36

Instrument :

MSVOA_U

ClientSampleId :

BHA80DL

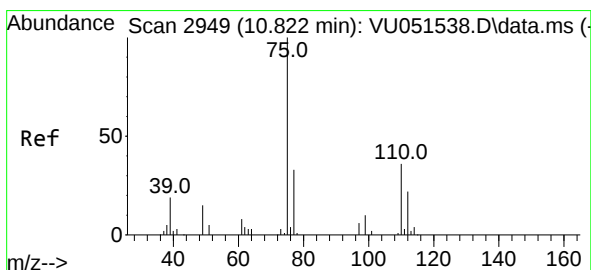
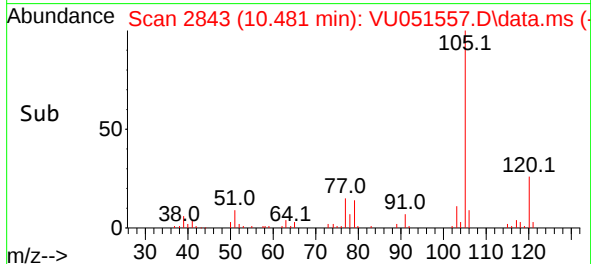
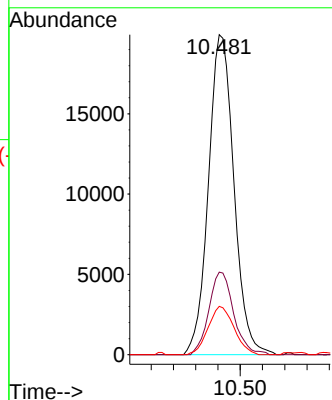
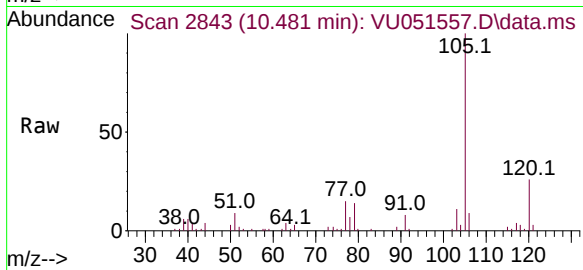
Tgt Ion:105 Resp: 31652

Ion Ratio Lower Upper

105 100

120 25.1 20.6 30.8

77 0.0 13.5 20.3#



#61

1,2,3-Trichloropropane

Concen: 1.172 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.987 min

Lab File: VU051557.D

Acq: 27 Oct 2022 22:36

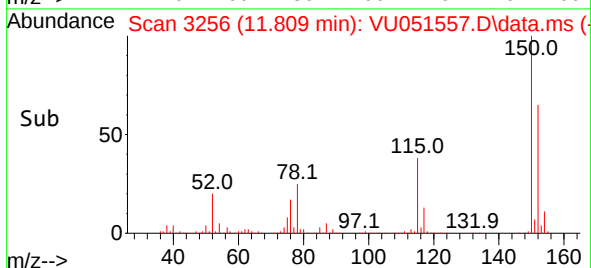
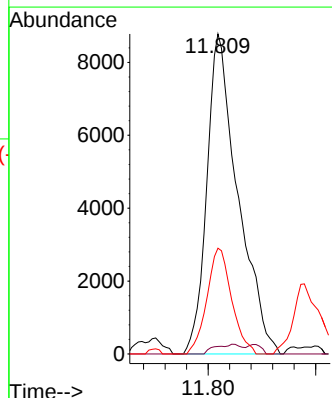
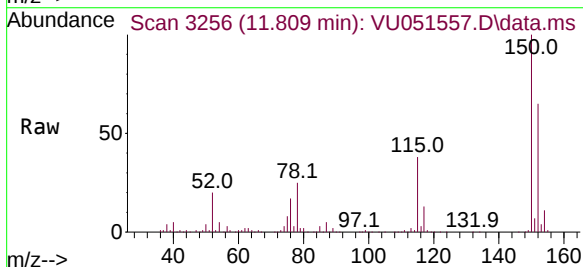
Tgt Ion: 75 Resp: 17581

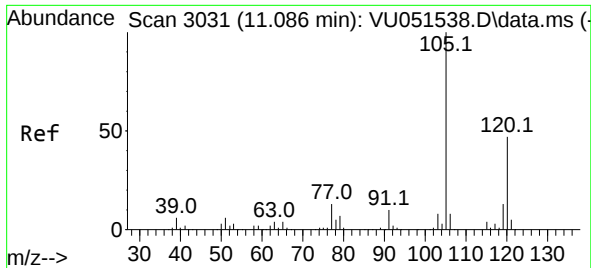
Ion Ratio Lower Upper

75 100

110 2.7 27.0 40.6#

77 0.0 26.4 39.6#

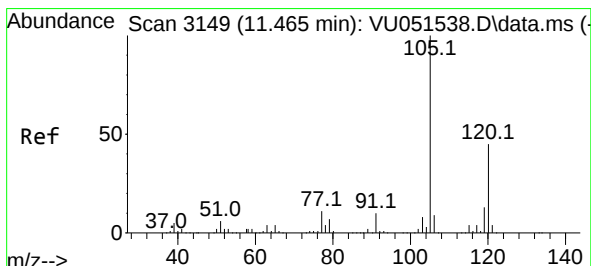
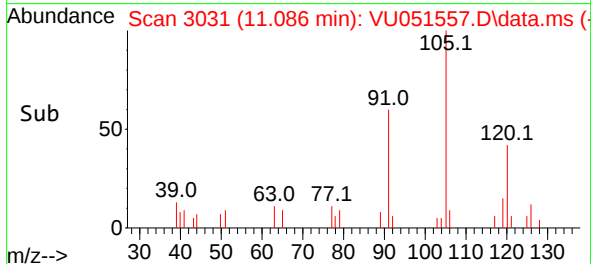
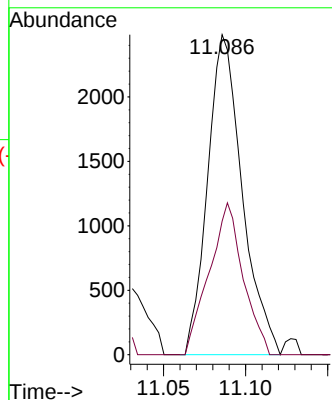
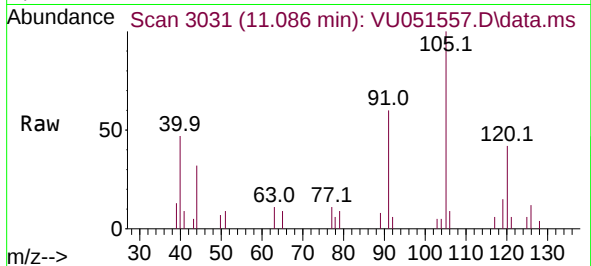




#62
1,3,5-Trimethylbenzene
Concen: 0.182 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU051557.D
Acq: 27 Oct 2022 22:36

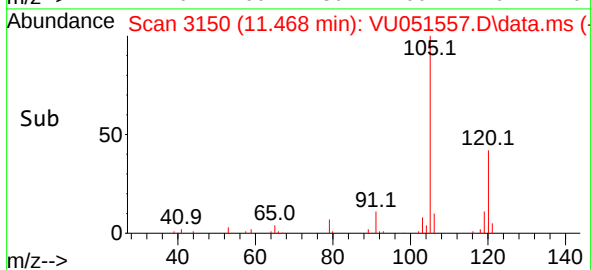
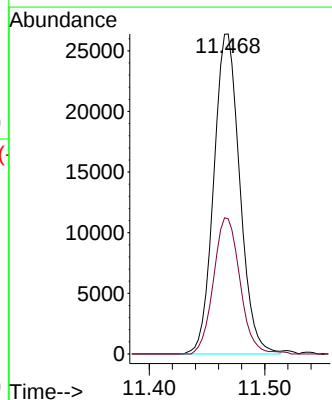
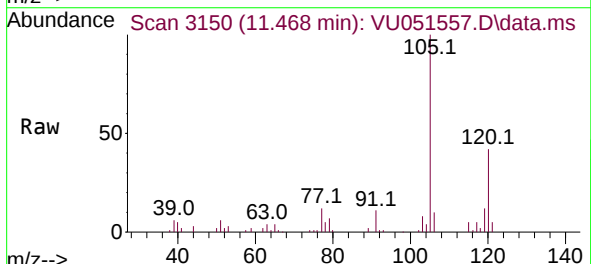
Instrument :
MSVOA_U
ClientSampleId :
BHA80DL

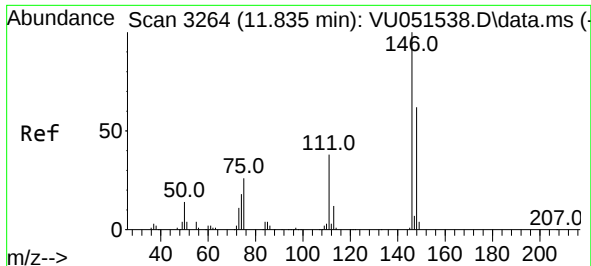
Tgt Ion:105 Resp: 3634
Ion Ratio Lower Upper
105 100
120 46.5 37.7 56.5



#63
1,2,4-Trimethylbenzene
Concen: 0.732 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.003 min
Lab File: VU051557.D
Acq: 27 Oct 2022 22:36

Tgt Ion:105 Resp: 41280
Ion Ratio Lower Upper
105 100
120 43.3 35.6 53.4

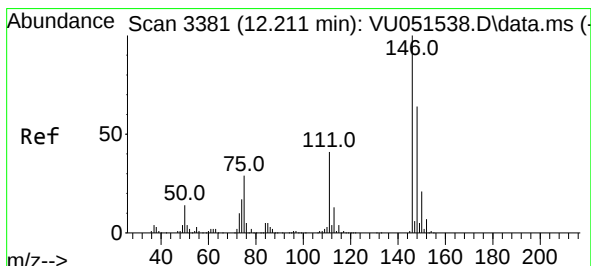
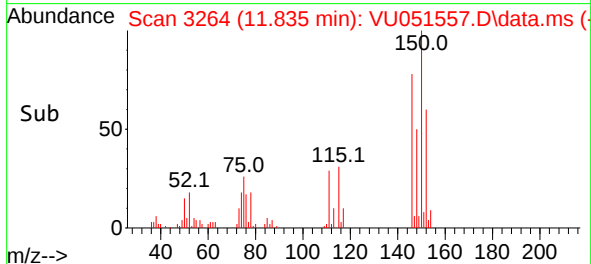
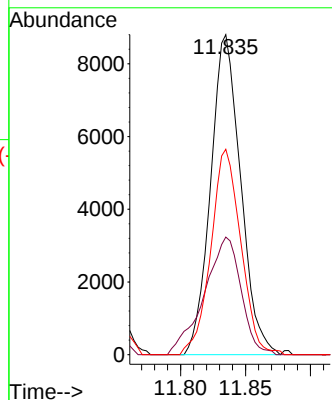
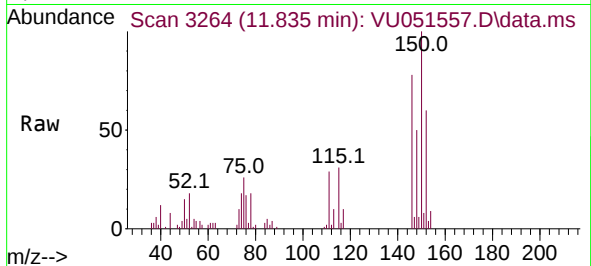




#65
1,4-Dichlorobenzene
Concen: 0.385 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051557.D
Acq: 27 Oct 2022 22:36

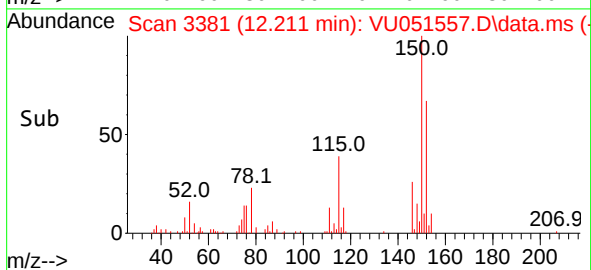
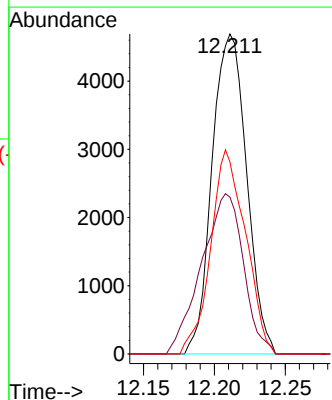
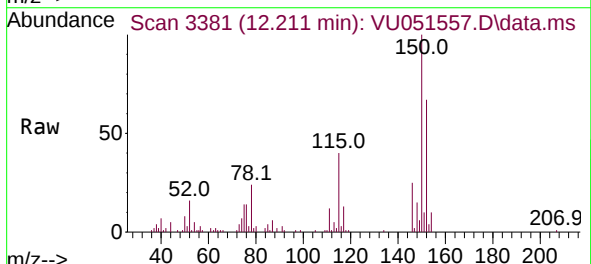
Instrument :
MSVOA_U
ClientSampleId :
BHA80DL

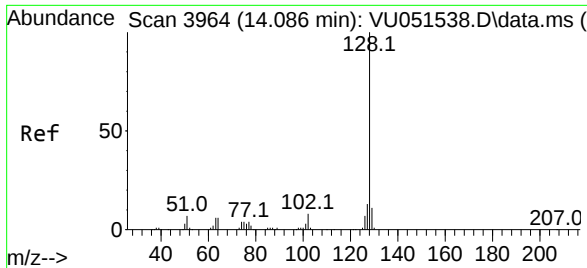
Tgt Ion:146 Resp: 14128
Ion Ratio Lower Upper
146 100
111 36.7 29.1 54.1
148 64.2 44.2 82.0



#67
1,2-Dichlorobenzene
Concen: 0.220 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU051557.D
Acq: 27 Oct 2022 22:36

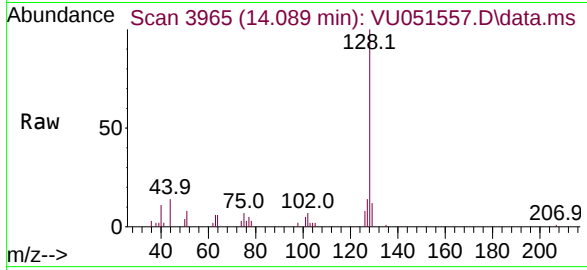
Tgt Ion:146 Resp: 7957
Ion Ratio Lower Upper
146 100
111 49.0 35.5 53.3
148 59.9 50.9 76.3





#71
Naphthalene
Concen: 0.463 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU051557.D
Acq: 27 Oct 2022 22:36

Instrument :
MSVOA_U
ClientSampleId :
BHA80DL



Tgt Ion:	128	Resp:	15702
Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.5	12.7
127	14.5	11.1	16.7

