

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102722\
 Data File : VU051558.D
 Acq On : 27 Oct 2022 23:02
 Operator : JC/MD
 Sample : N5300-09DL 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHAC5DL

Quant Time: Oct 28 00:13:55 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	271148	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	263019	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	123112	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	74414	3.402	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.000%
7) Chloroethane-d5	1.909	69	72322	3.848	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.000%
11) 1,1-Dichloroethene-d2	2.562	65	27677	3.201	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.000%
20) 2-Butanone-d5	4.629	46	256814	53.331	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.660%
24) Chloroform-d	5.060	84	158591	3.889	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.800%
26) 1,2-Dichloroethane-d4	5.700	65	85419	4.062	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.200%
32) Benzene-d6	5.726	84	303039	4.188	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.800%
36) 1,2-Dichloropropane-d6	6.690	67	103437	4.209	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.200%
41) Toluene-d8	7.896	98	222764	3.441	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.800%#
43) trans-1,3-Dichloroprop...	8.179	79	32255	3.995	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.000%
46) 2-Hexanone-d5	8.632	63	206127	75.755	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	151.520%#
56) 1,1,2,2-Tetrachloroeth...	10.754	84	93755	4.776	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.600%
66) 1,2-Dichlorobenzene-d4	12.192	152	89656	4.190	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.800%
Target Compounds						
					Qvalue	
8) Chloroethane	1.932	64	12054	0.620	ug/L	86
16) Methylene chloride	3.044	84	13800	0.473	ug/L	87
27) 1,2-Dichloroethane	5.771	62	16635	0.619	ug/L #	74
30) Cyclohexane	5.388	56	3980	0.149	ug/L	94
33) Benzene	5.771	78	2185021	24.884	ug/L	100
35) Methylcyclohexane	6.761	83	7255	0.263	ug/L	99
37) 1,2-Dichloropropane	6.687	63	10286	0.427	ug/L #	88
40) 4-Methyl-2-pentanone	7.967	43	24392	1.932	ug/L #	1
42) Toluene	7.967	91	3998939	42.906	ug/L	99
51) Chlorobenzene	9.446	112	177841	3.193	ug/L	97
52) Ethylbenzene	9.568	91	574188	6.855	ug/L	97
53) m,p-Xylene	9.690	106	643986	19.825	ug/L	98
54) o-Xylene	10.099	106	202053	6.574	ug/L	96
55) Styrene	10.102	104	11899	0.225	ug/L #	1
60) Isopropylbenzene	10.484	105	65587	0.841	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	31312	1.514	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	127051	2.172	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	5224	0.137	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	8244	0.220	ug/L	88

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Response via : Initial Calibration

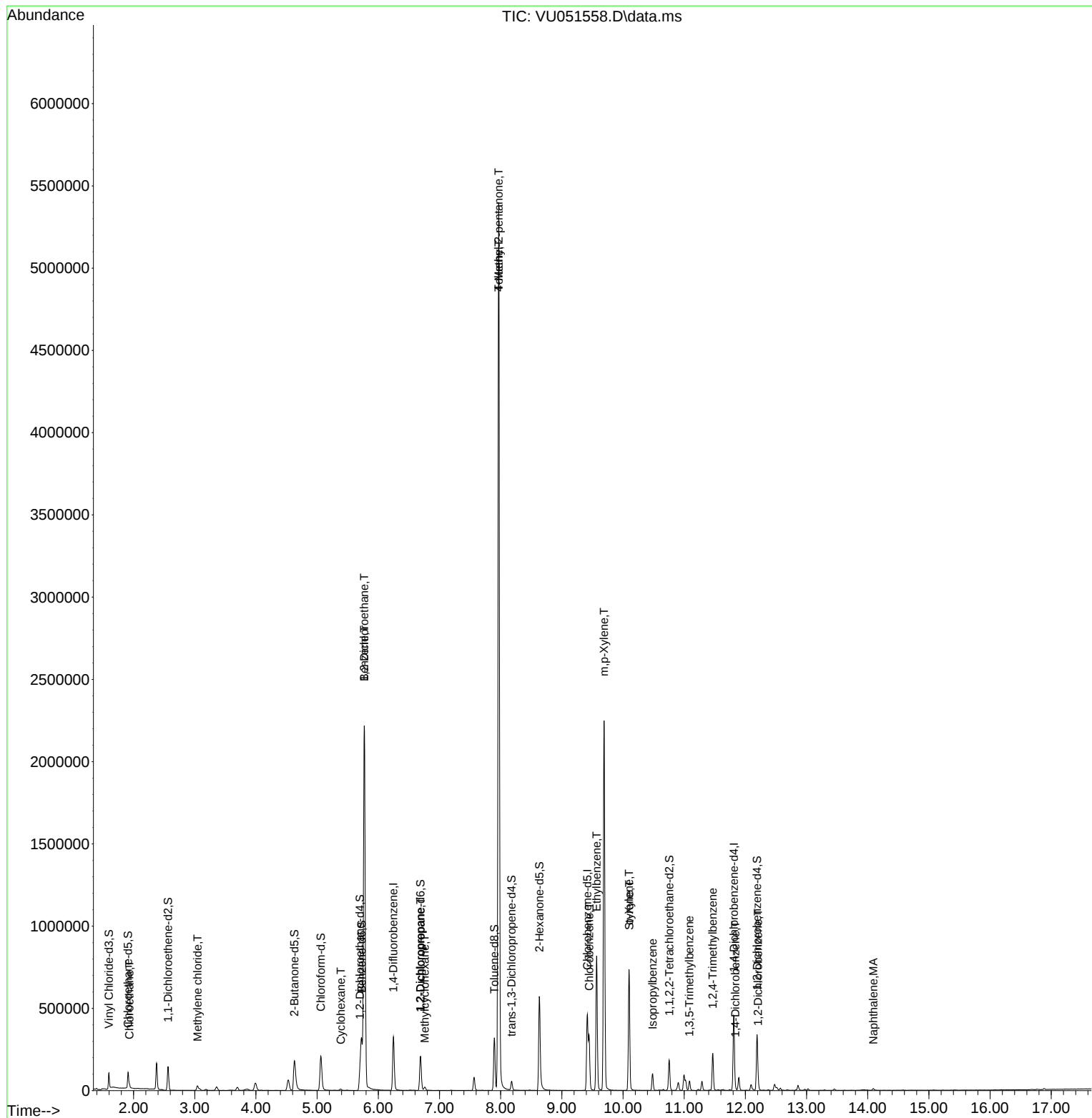
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
71) Naphthalene	14.092	128	10472	0.298 ug/L	98

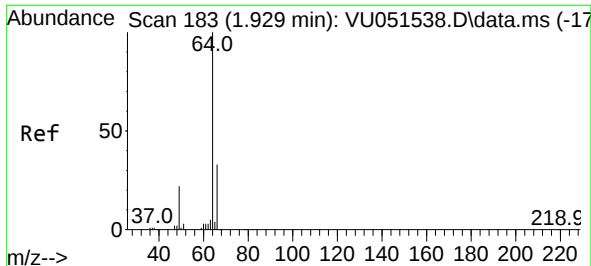
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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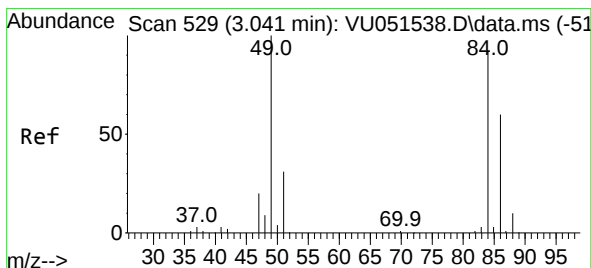
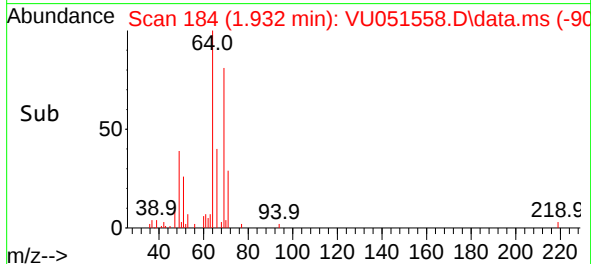
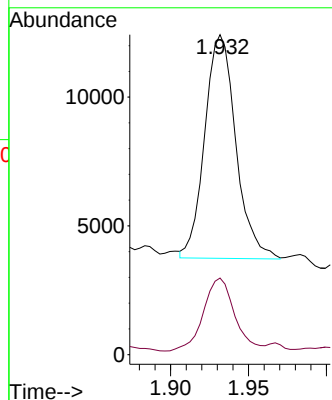
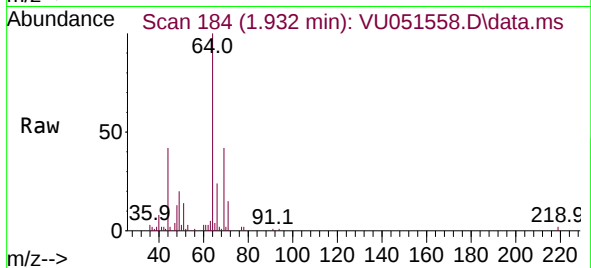




#8
Chloroethane
Concen: 0.620 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU051558.D
Acq: 27 Oct 2022 23:02

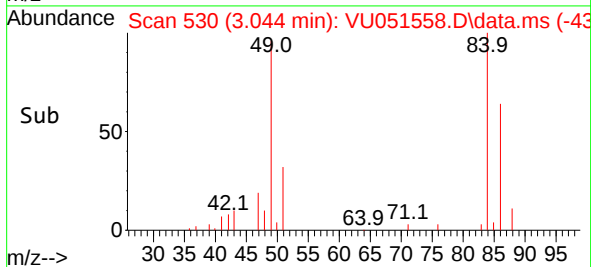
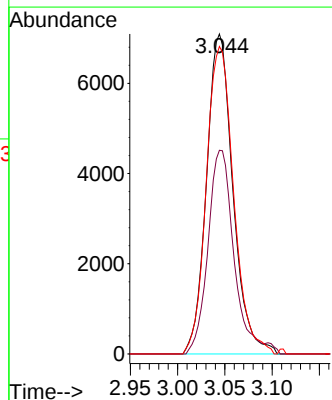
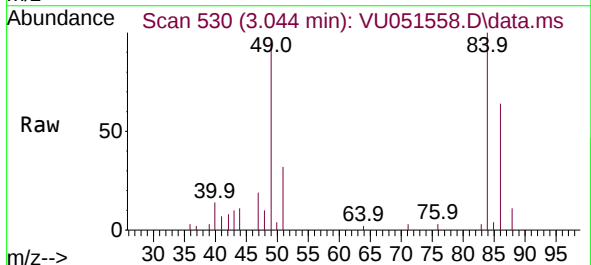
Instrument :
MSVOA_U
ClientSampleId :
BHAC5DL

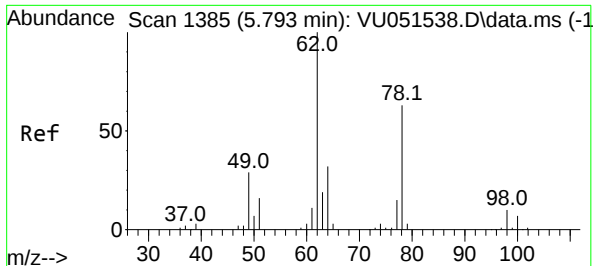
Tgt Ion: 64 Resp: 12054
Ion Ratio Lower Upper
64 100
66 24.0 22.3 41.3



#16
Methylene chloride
Concen: 0.473 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU051558.D
Acq: 27 Oct 2022 23:02

Tgt Ion: 84 Resp: 13800
Ion Ratio Lower Upper
84 100
86 63.7 46.5 86.3
49 96.1 81.3 151.1

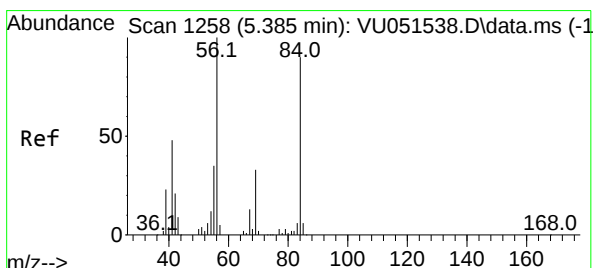
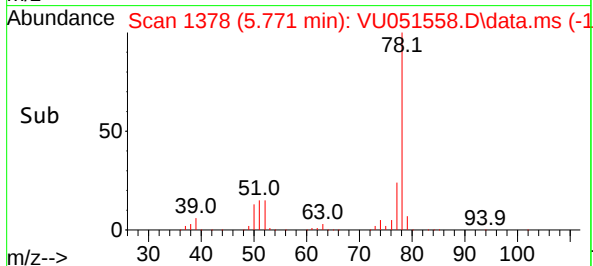
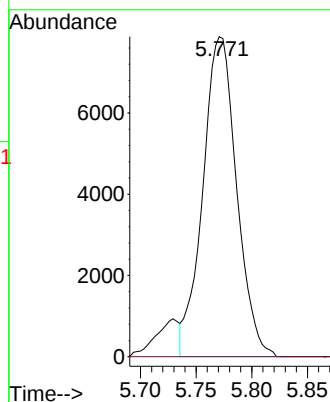
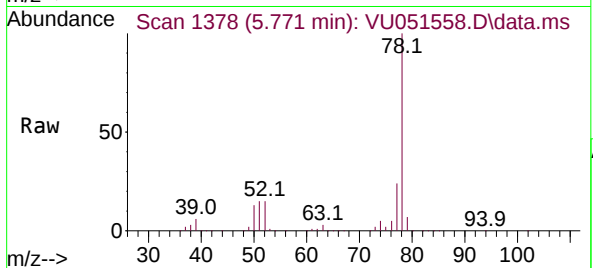




#27
1,2-Dichloroethane
Concen: 0.619 ug/L
RT: 5.771 min Scan# 11
Delta R.T. -0.023 min
Lab File: VU051558.D
Acq: 27 Oct 2022 23:02

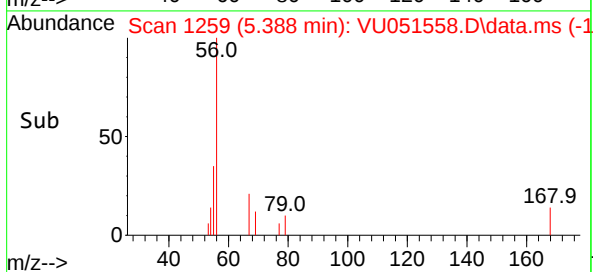
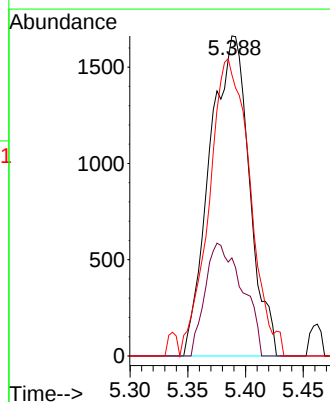
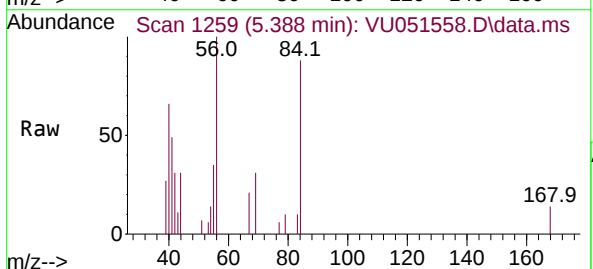
Instrument :
MSVOA_U
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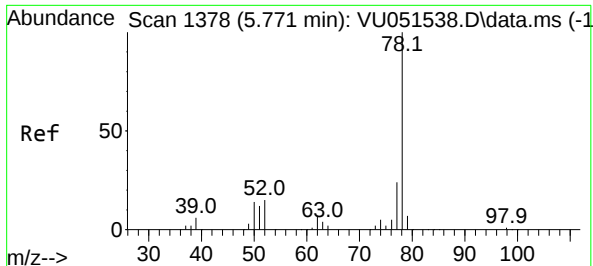
Tgt Ion: 62 Resp: 16635
Ion Ratio Lower Upper
62 100
98 0.0 7.7 11.5#



#30
Cyclohexane
Concen: 0.149 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.003 min
Lab File: VU051558.D
Acq: 27 Oct 2022 23:02

Tgt Ion: 56 Resp: 3980
Ion Ratio Lower Upper
56 100
69 32.9 25.1 37.7
84 95.1 70.9 106.3

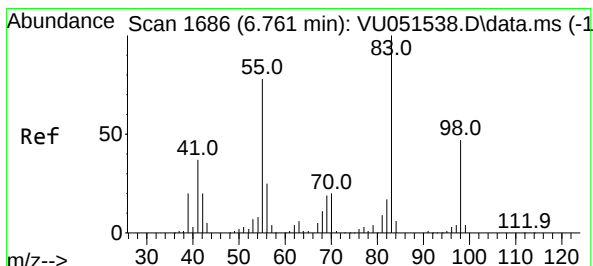
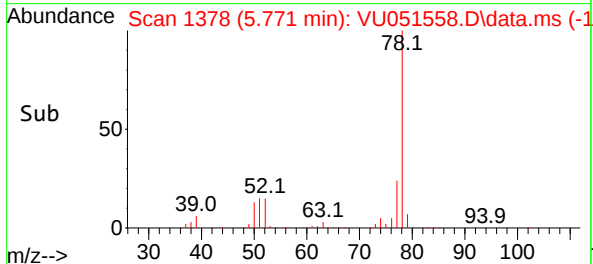
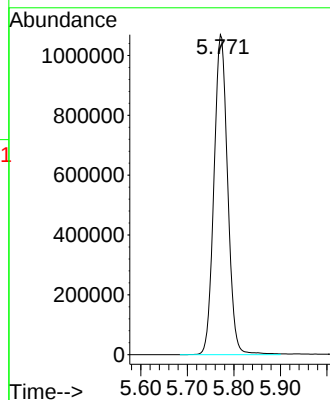
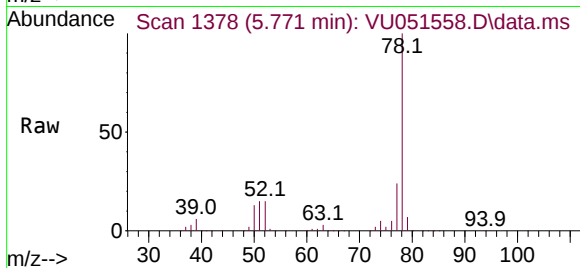




#33
Benzene
Concen: 24.884 ug/L
RT: 5.771 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051558.D
Acq: 27 Oct 2022 23:02

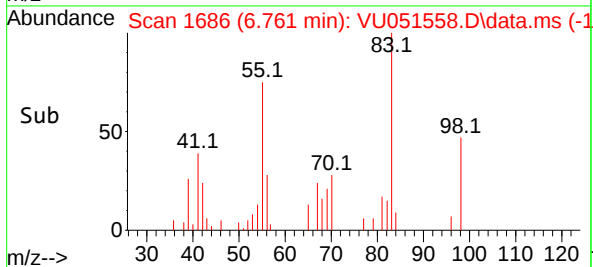
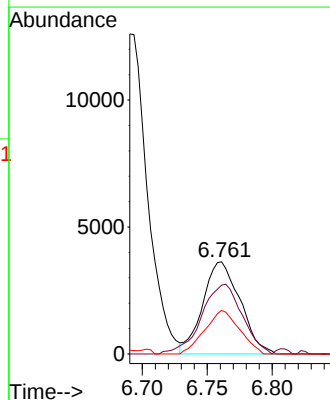
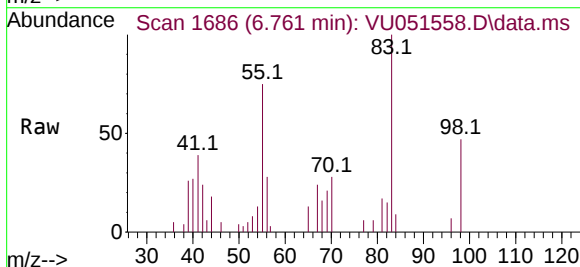
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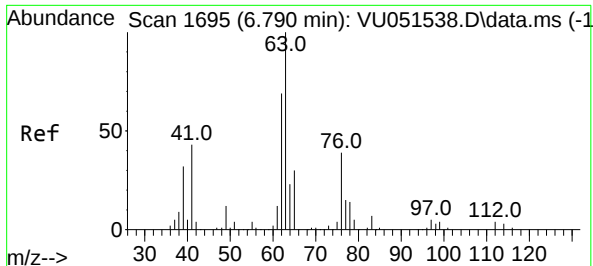
Tgt Ion: 78 Resp: 2185021



#35
Methylcyclohexane
Concen: 0.263 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU051558.D
Acq: 27 Oct 2022 23:02

Tgt Ion: 83 Resp: 7255
Ion Ratio Lower Upper
83 100
55 82.0 65.8 98.6
98 43.8 35.9 53.9

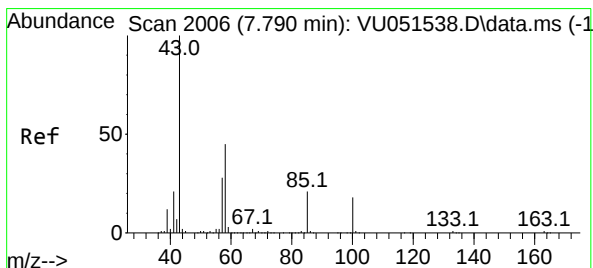
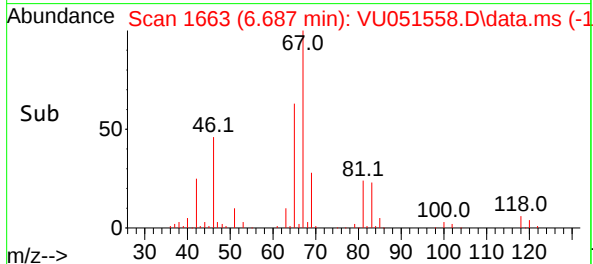
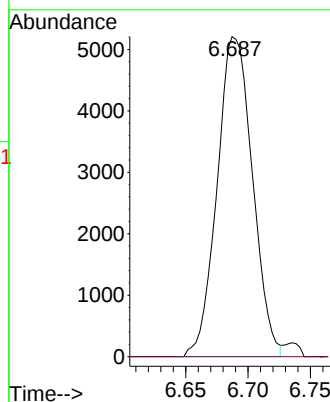
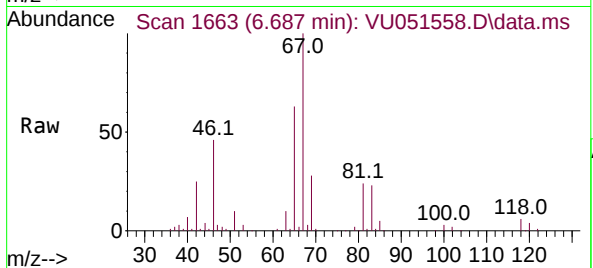




#37
1,2-Dichloropropane
Concen: 0.427 ug/L
RT: 6.687 min Scan# 1
Delta R.T. -0.103 min
Lab File: VU051558.D
Acq: 27 Oct 2022 23:02

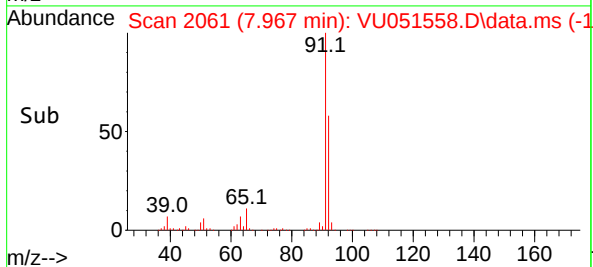
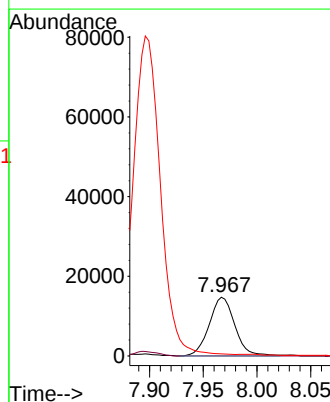
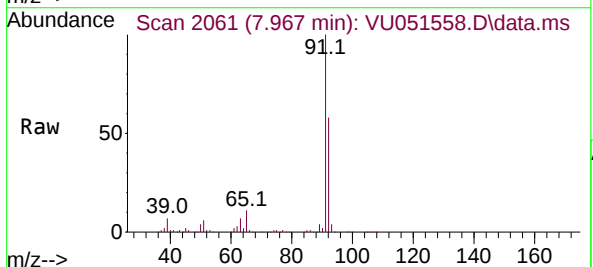
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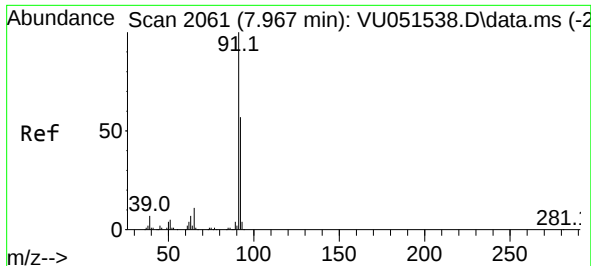
Tgt Ion: 63 Resp: 10286
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



#40
4-Methyl-2-pentanone
Concen: 1.932 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.177 min
Lab File: VU051558.D
Acq: 27 Oct 2022 23:02

Tgt Ion: 43 Resp: 24392
Ion Ratio Lower Upper
43 100
58 7.1 33.0 49.6#
100 582.9 11.8 17.6#





#42

Toluene

Concen: 42.906 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051558.D

Acq: 27 Oct 2022 23:02

Instrument :

MSVOA_U

ClientSampleId :

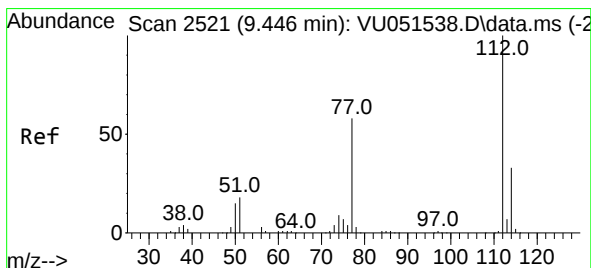
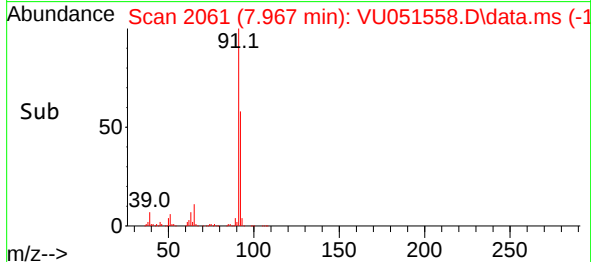
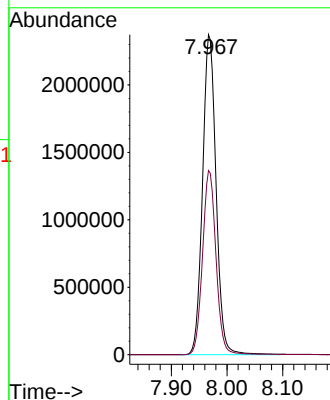
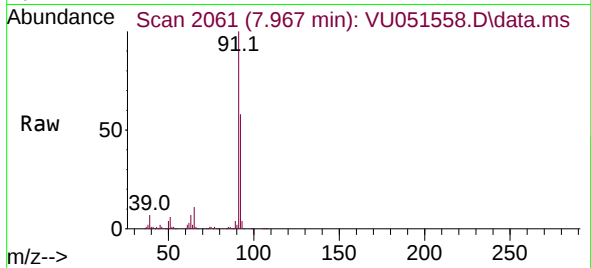
BHAC5DL

Tgt Ion: 91 Resp: 3998939

Ion Ratio Lower Upper

91 100

92 57.5 39.9 74.1



#51

Chlorobenzene

Concen: 3.193 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051558.D

Acq: 27 Oct 2022 23:02

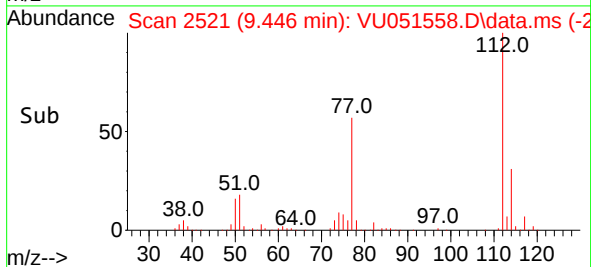
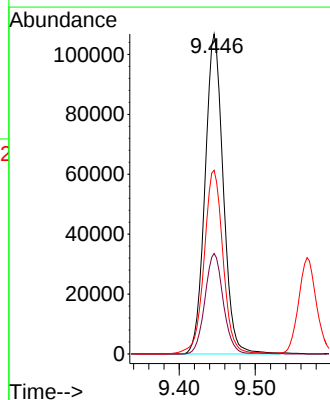
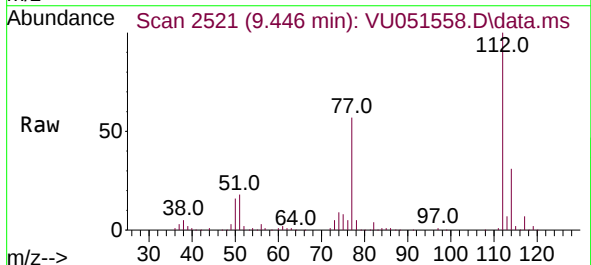
Tgt Ion: 112 Resp: 177841

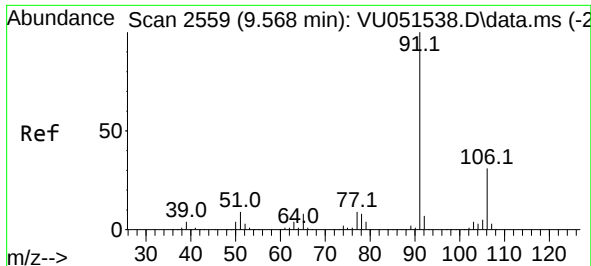
Ion Ratio Lower Upper

112 100

114 31.4 22.3 41.5

77 57.4 48.1 72.1

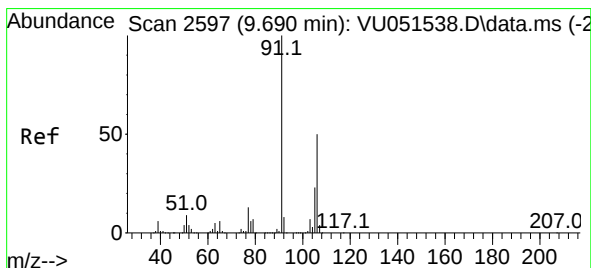
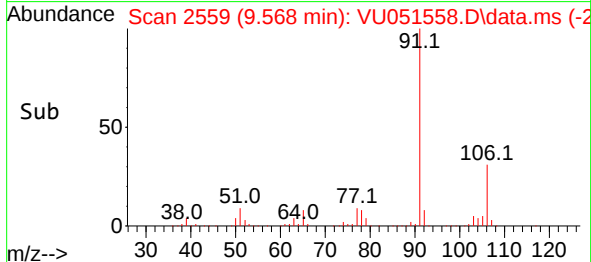
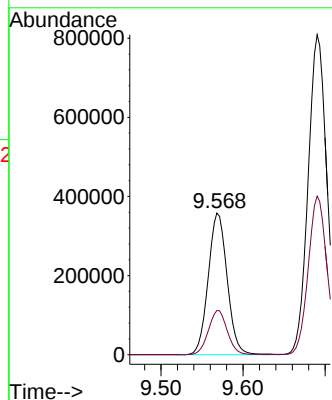
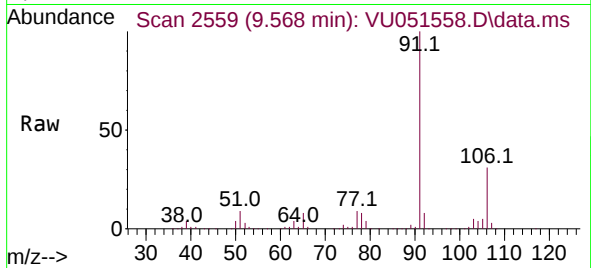




#52
Ethylbenzene
Concen: 6.855 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051558.D
Acq: 27 Oct 2022 23:02

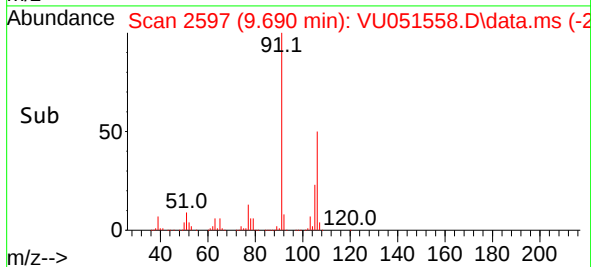
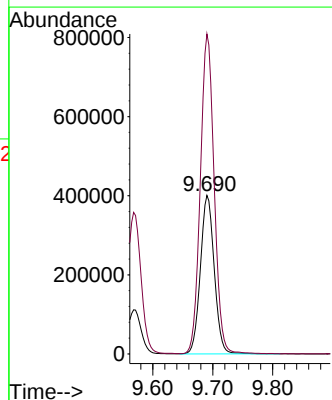
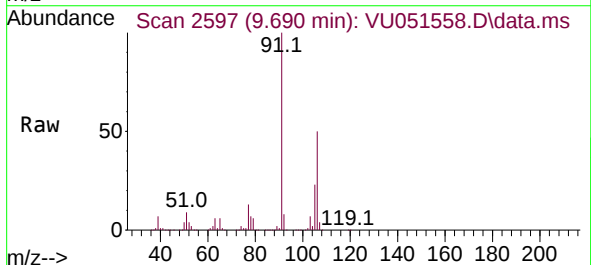
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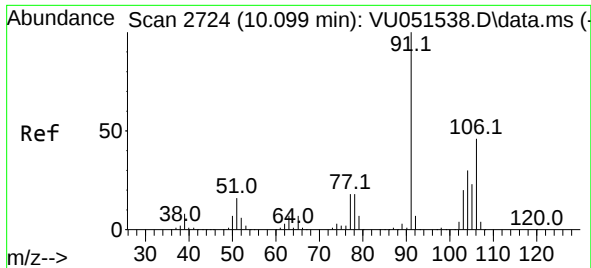
Tgt Ion: 91 Resp: 574188
Ion Ratio Lower Upper
91 100
106 31.2 20.9 38.7



#53
m,p-Xylene
Concen: 19.825 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU051558.D
Acq: 27 Oct 2022 23:02

Tgt Ion: 106 Resp: 643986
Ion Ratio Lower Upper
106 100
91 201.9 143.9 267.3

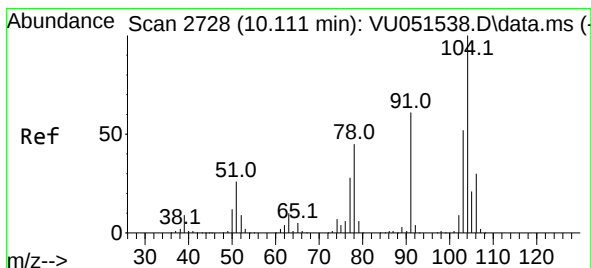
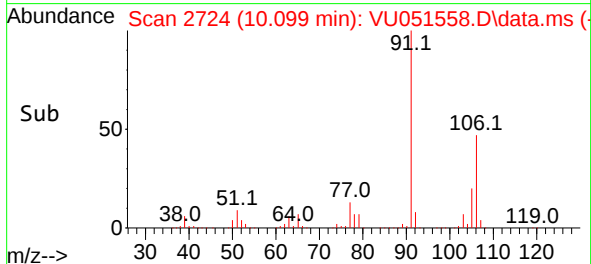
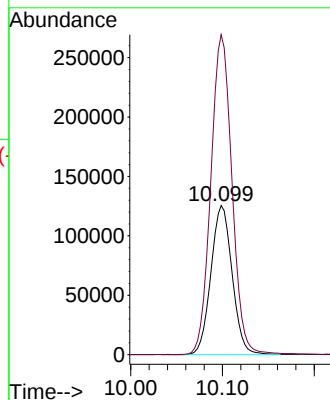
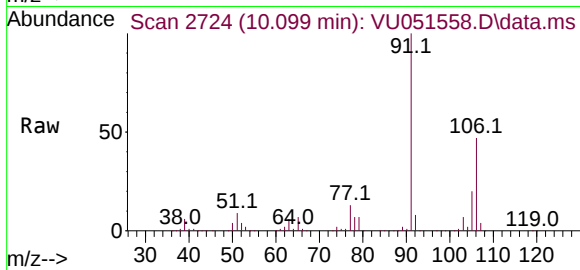




#54
o-Xylene
Concen: 6.574 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051558.D
Acq: 27 Oct 2022 23:02

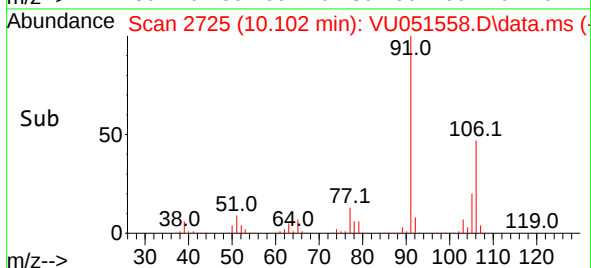
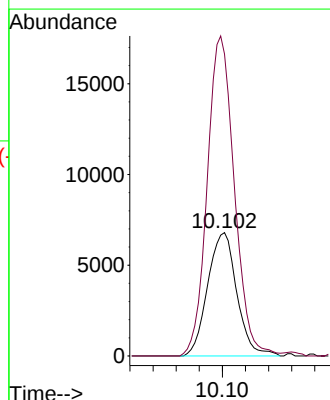
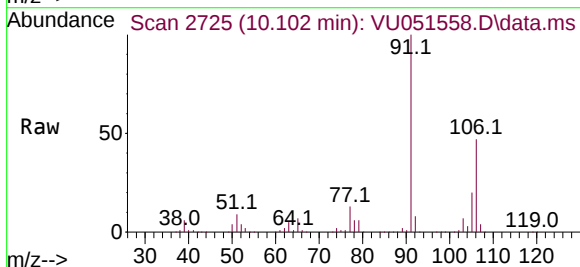
Instrument :
MSVOA_U
ClientSampleId :
BHAC5DL

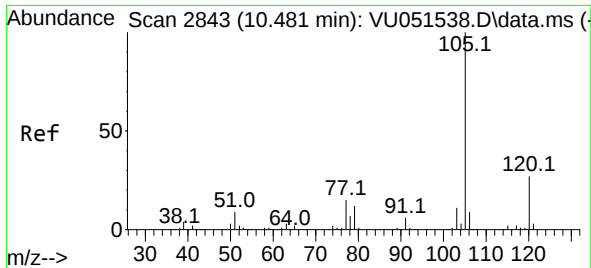
Tgt Ion:106 Resp: 202053
Ion Ratio Lower Upper
106 100
91 214.6 154.4 286.8



#55
Styrene
Concen: 0.225 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.010 min
Lab File: VU051558.D
Acq: 27 Oct 2022 23:02

Tgt Ion:104 Resp: 11899
Ion Ratio Lower Upper
104 100
78 244.7 32.1 59.7#

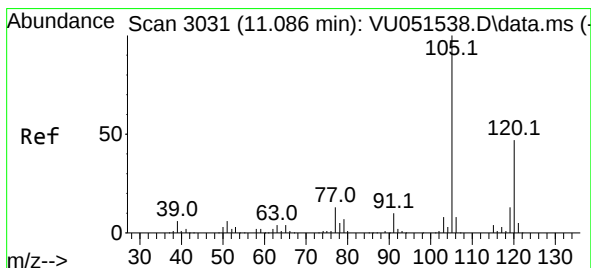
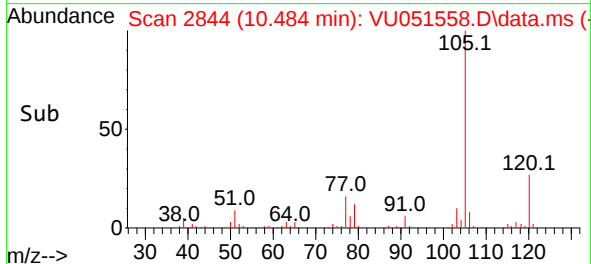
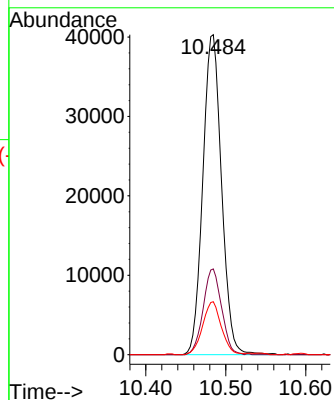
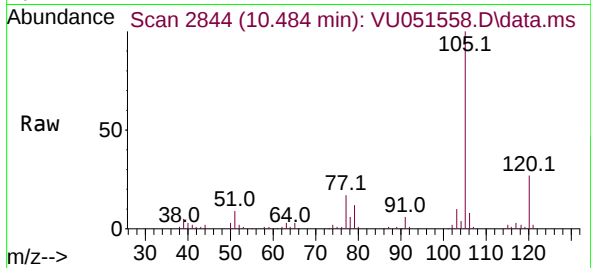




#60
Isopropylbenzene
Concen: 0.841 ug/L
RT: 10.484 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051558.D
Acq: 27 Oct 2022 23:02

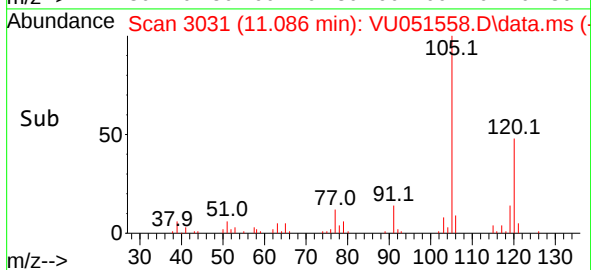
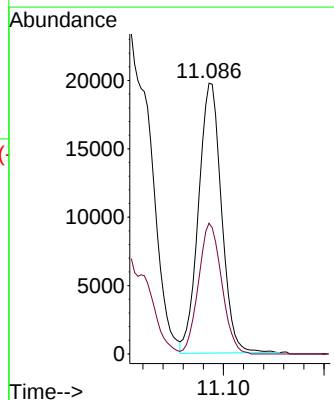
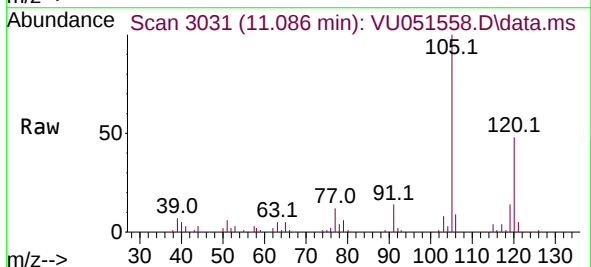
Instrument :
MSVOA_U
ClientSampleId :
BHAC5DL

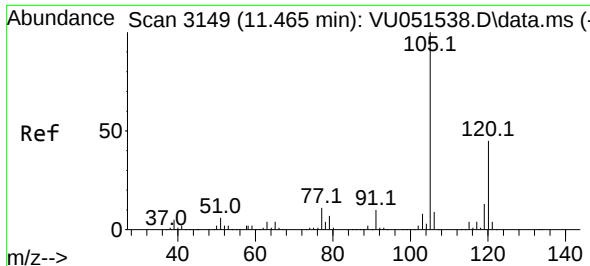
Tgt Ion:105 Resp: 65587
Ion Ratio Lower Upper
105 100
120 26.3 20.6 30.8
77 16.6 13.5 20.3



#62
1,3,5-Trimethylbenzene
Concen: 1.514 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU051558.D
Acq: 27 Oct 2022 23:02

Tgt Ion:105 Resp: 31312
Ion Ratio Lower Upper
105 100
120 48.8 37.7 56.5

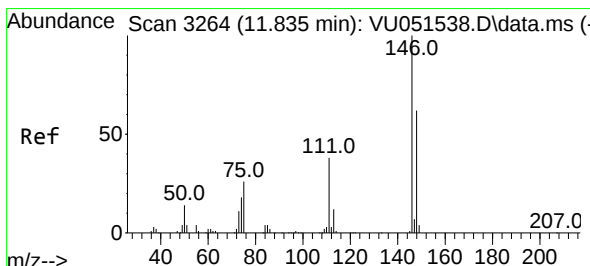
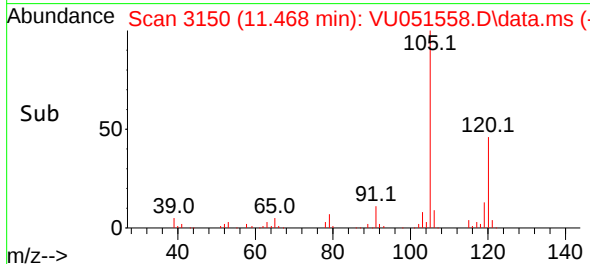
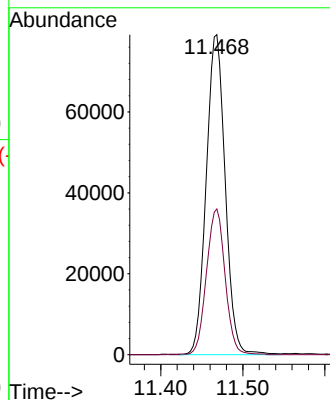
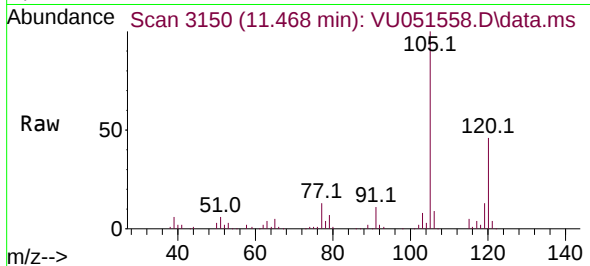




#63
1,2,4-Trimethylbenzene
Concen: 2.172 ug/L
RT: 11.468 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU051558.D
Acq: 27 Oct 2022 23:02

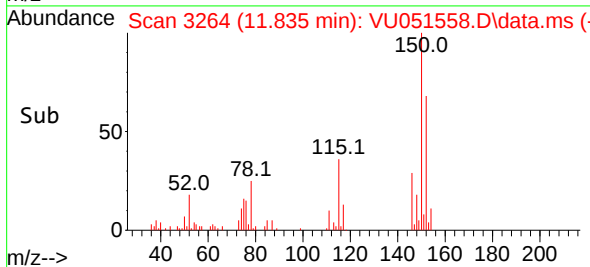
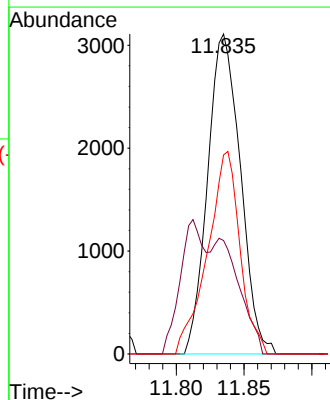
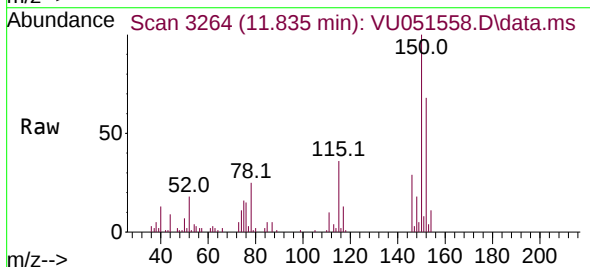
Instrument :
MSVOA_U
ClientSampleId :
BHAC5DL

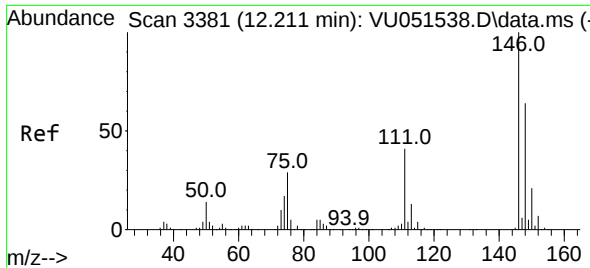
Tgt Ion:105 Resp: 127051
Ion Ratio Lower Upper
105 100
120 44.7 35.6 53.4



#65
1,4-Dichlorobenzene
Concen: 0.137 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051558.D
Acq: 27 Oct 2022 23:02

Tgt Ion:146 Resp: 5224
Ion Ratio Lower Upper
146 100
111 35.5 29.1 54.1
148 62.2 44.2 82.0

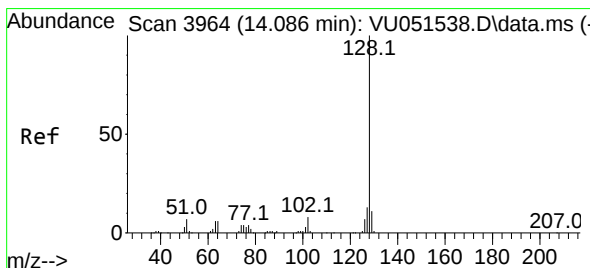
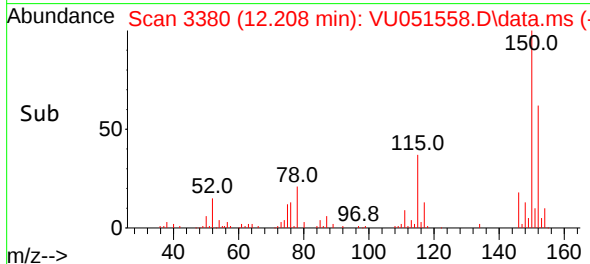
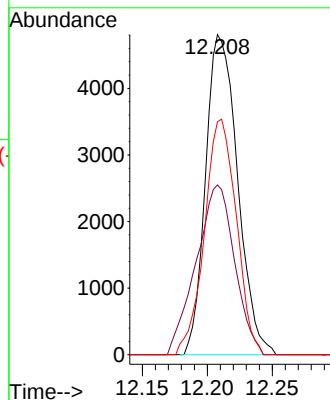
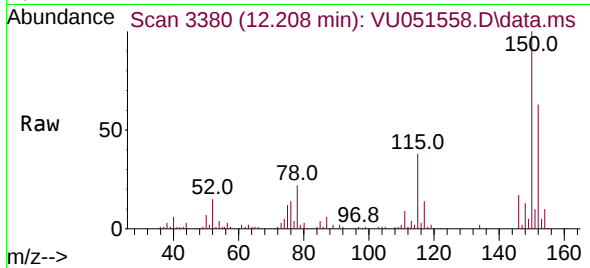




#67
1,2-Dichlorobenzene
Concen: 0.220 ug/L
RT: 12.208 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU051558.D
Acq: 27 Oct 2022 23:02

Instrument :
MSVOA_U
ClientSampleId :
BHAC5DL

Tgt Ion:146	Resp:	8244
Ion Ratio	Lower	Upper
146	100	
111	53.1	35.5 53.3
148	72.8	50.9 76.3



#71
Naphthalene
Concen: 0.298 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU051558.D
Acq: 27 Oct 2022 23:02

Tgt Ion:128	Resp:	10472
Ion Ratio	Lower	Upper
128	100	
129	10.8	8.5 12.7
127	12.6	11.1 16.7

