

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
 Data File : VU051503.D
 Acq On : 26 Oct 2022 15:35
 Operator : JC/MD
 Sample : N5270-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHAE1

Quant Time: Oct 27 05:35:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 27 05:28:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	278024	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	282919	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	123717	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	99412	4.433	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.600%
7) Chloroethane-d5	1.909	69	88876	4.612	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.200%
11) 1,1-Dichloroethene-d2	2.562	65	36802	4.151	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.000%
20) 2-Butanone-d5	4.620	46	251228	50.881	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.760%
24) Chloroform-d	5.060	84	176662	4.225	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
26) 1,2-Dichloroethane-d4	5.700	65	89969	4.172	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.400%
32) Benzene-d6	5.726	84	354446	4.554	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
36) 1,2-Dichloropropane-d6	6.690	67	117975	4.463	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.200%
41) Toluene-d8	7.896	98	282479	4.057	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.200%
43) trans-1,3-Dichloroprop...	8.179	79	34874	4.016	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.400%
46) 2-Hexanone-d5	8.632	63	178753	61.074	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.140%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	98933	4.685	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	100467	4.672	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.400%

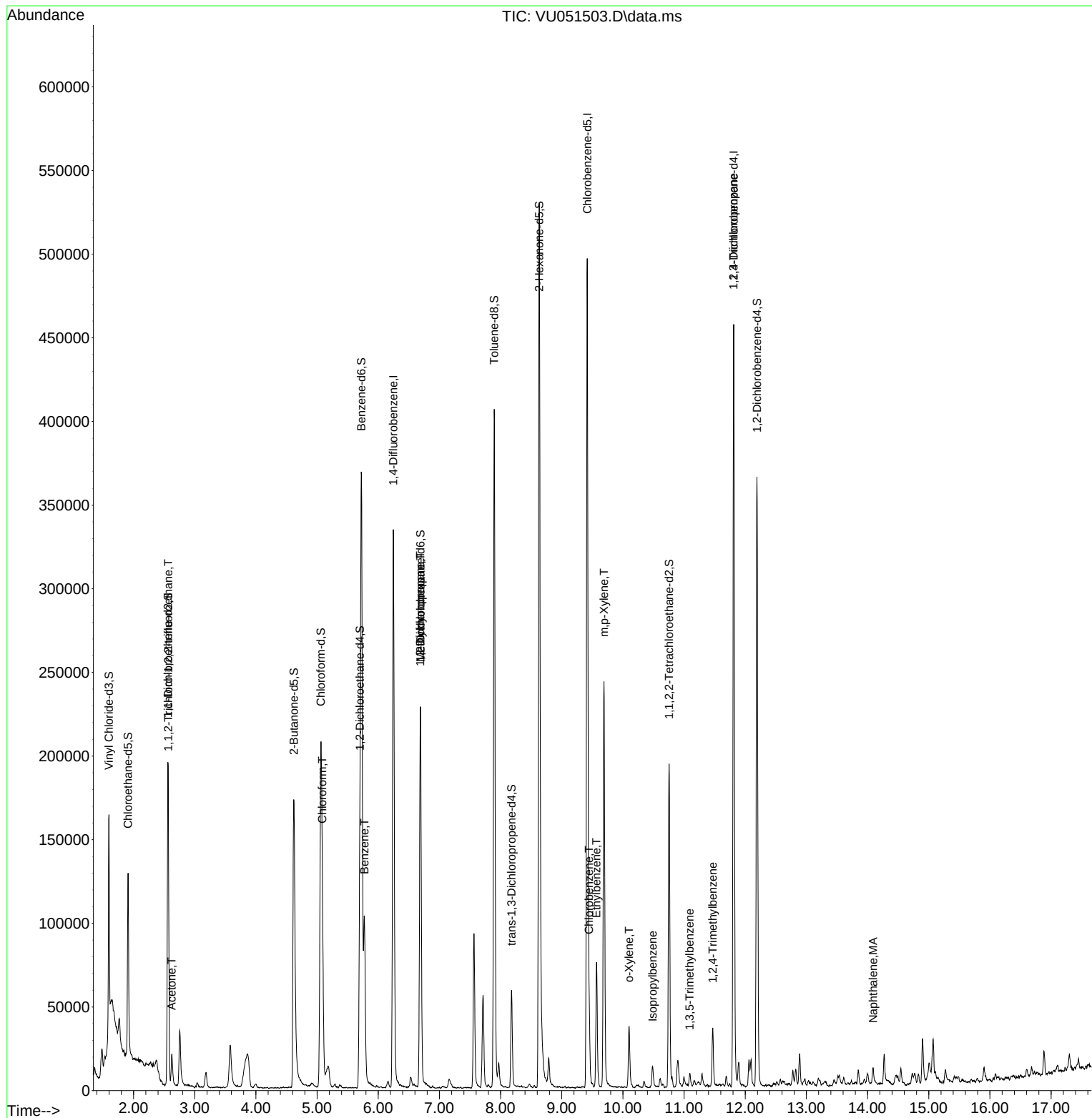
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1177	0.054	ug/L #	21
13) Acetone	2.623	43	20277	5.475	ug/L	94
25) Chloroform	5.086	83	78284	1.703	ug/L	98
33) Benzene	5.774	78	101330	1.073	ug/L	100
35) Methylcyclohexane	6.690	83	26418	0.889	ug/L #	17
37) 1,2-Dichloropropane	6.687	63	11539	0.446	ug/L #	89
51) Chlorobenzene	9.446	112	23610	0.394	ug/L	99
52) Ethylbenzene	9.568	91	52627	0.584	ug/L	98
53) m,p-Xylene	9.690	106	70094	2.006	ug/L	99
54) o-Xylene	10.098	106	9453	0.286	ug/L	99
60) Isopropylbenzene	10.484	105	7788	0.099	ug/L	95
61) 1,2,3-Trichloropropane	11.809	75	15631	1.001	ug/L #	70
62) 1,3,5-Trimethylbenzene	11.089	105	2882	0.139	ug/L	96
63) 1,2,4-Trimethylbenzene	11.468	105	16561	0.282	ug/L	96
71) Naphthalene	14.092	128	8628	0.244	ug/L	99

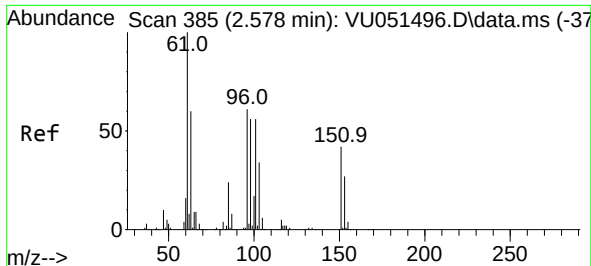
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.054 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.010 min

Lab File: VU051503.D

Acq: 26 Oct 2022 15:35

Instrument :

MSVOA_U

ClientSampleId :

BHAE1

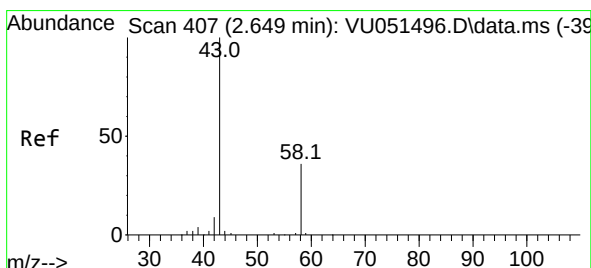
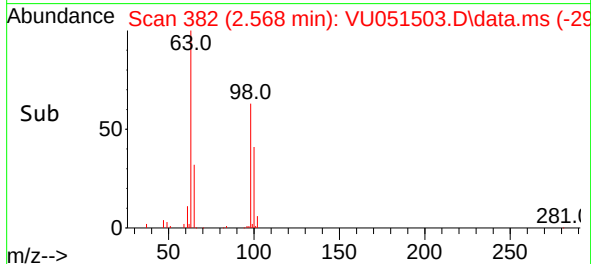
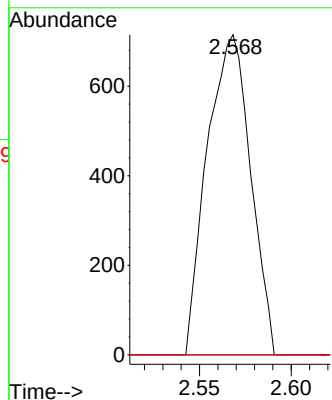
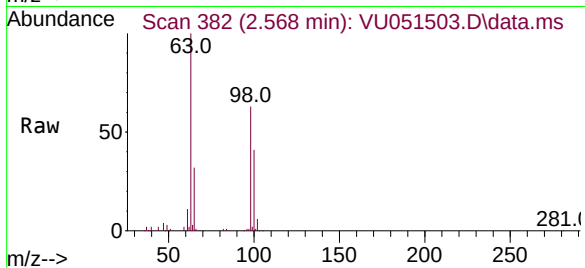
Tgt Ion:101 Resp: 1177

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

151 0.0 56.5 84.7#



#13

Acetone

Concen: 5.475 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.026 min

Lab File: VU051503.D

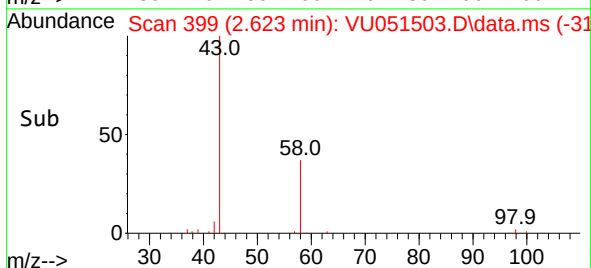
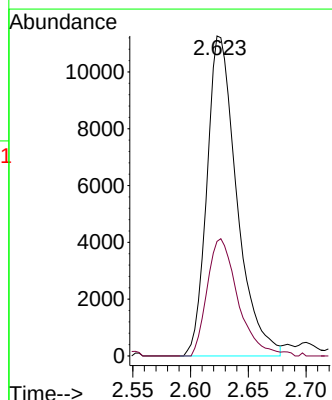
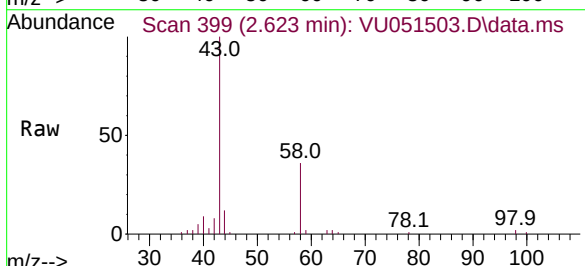
Acq: 26 Oct 2022 15:35

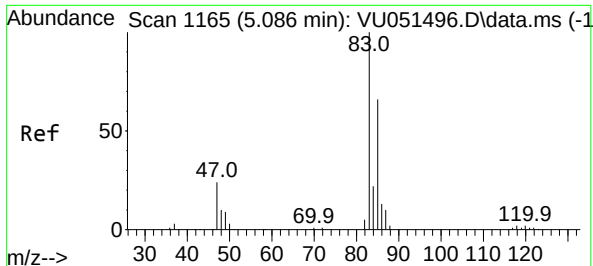
Tgt Ion: 43 Resp: 20277

Ion Ratio Lower Upper

43 100

58 37.8 0.0 68.8





#25

Chloroform

Concen: 1.703 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051503.D

Acq: 26 Oct 2022 15:35

Instrument :

MSVOA_U

ClientSampleId :

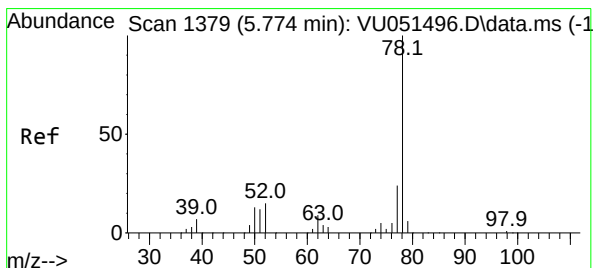
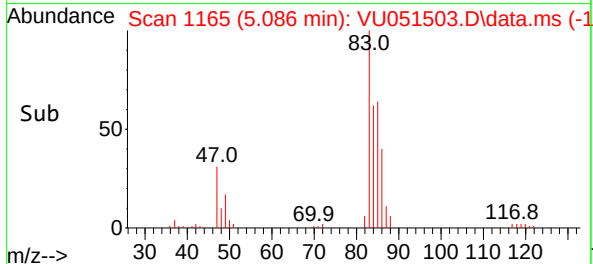
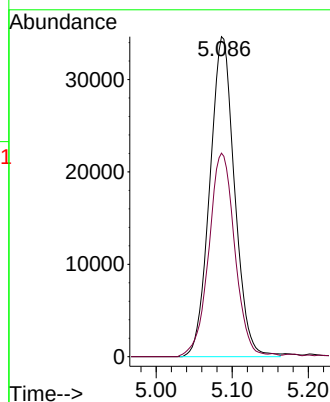
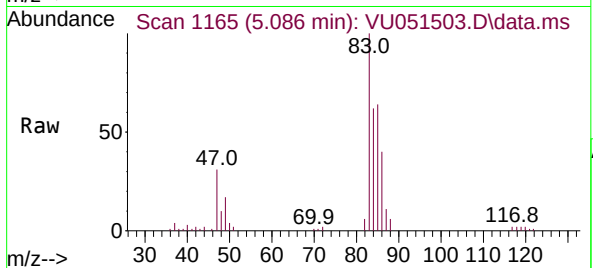
BHAE1

Tgt Ion: 83 Resp: 78284

Ion Ratio Lower Upper

83 100

85 63.6 45.6 84.6



#33

Benzene

Concen: 1.073 ug/L

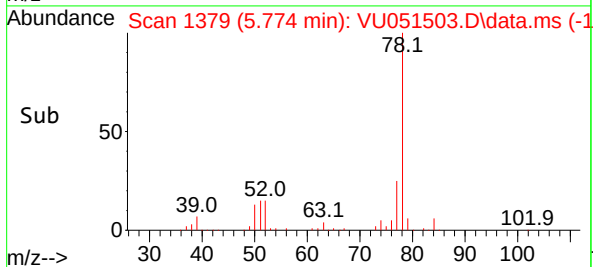
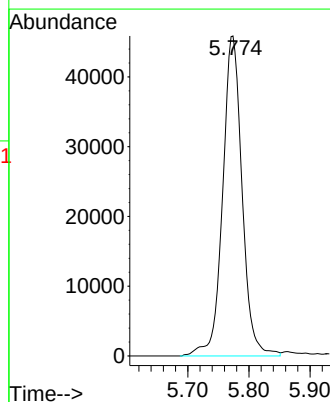
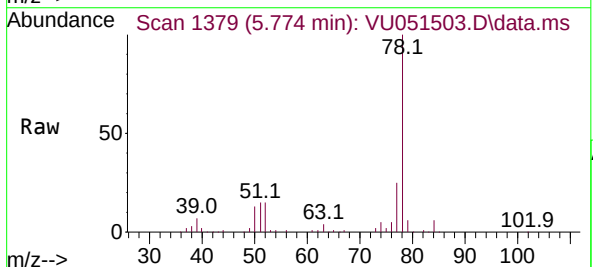
RT: 5.774 min Scan# 1379

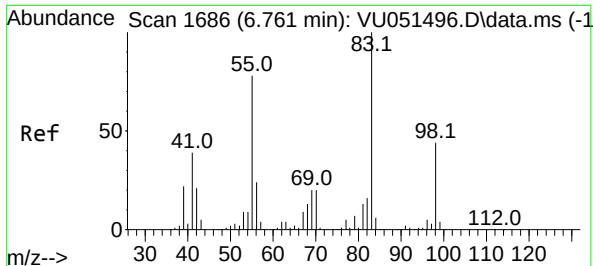
Delta R.T. -0.000 min

Lab File: VU051503.D

Acq: 26 Oct 2022 15:35

Tgt Ion: 78 Resp: 101330

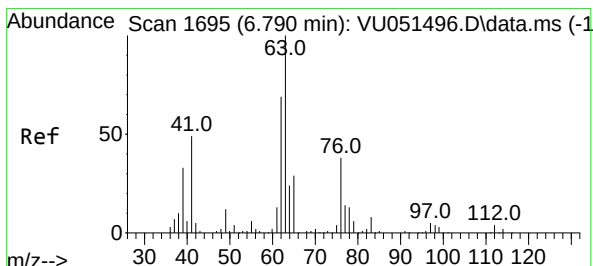
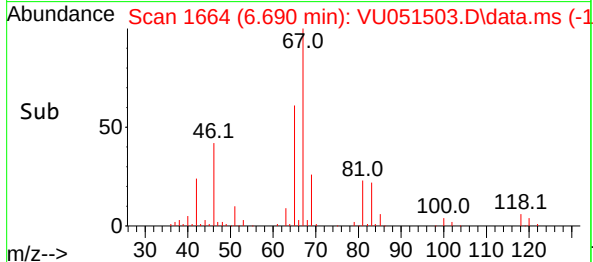
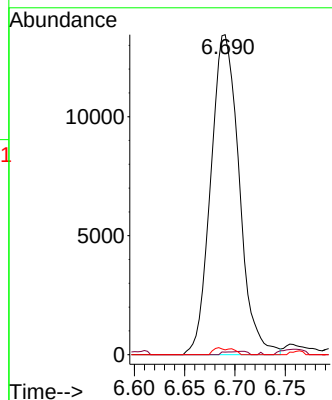
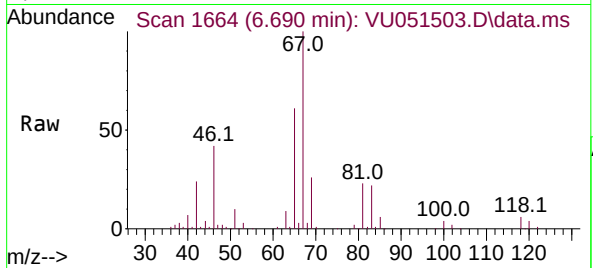




#35
Methylcyclohexane
Concen: 0.889 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.071 min
Lab File: VU051503.D
Acq: 26 Oct 2022 15:35

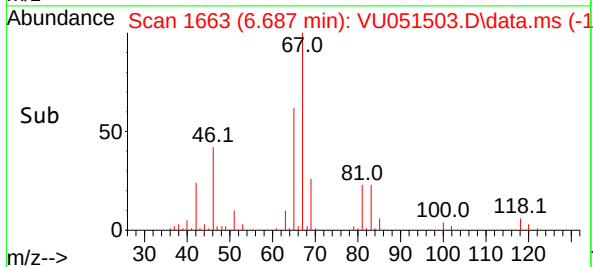
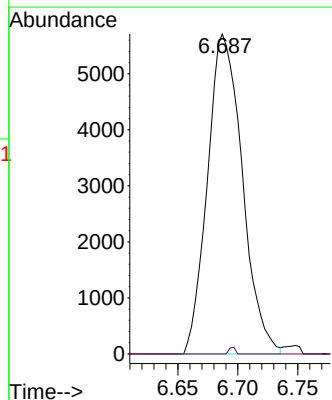
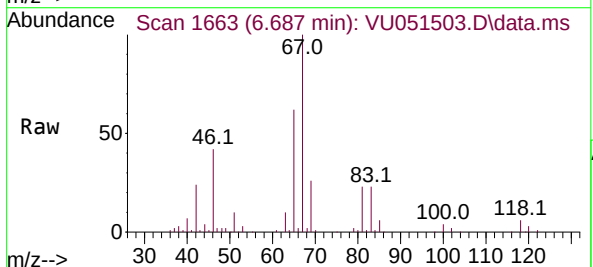
Instrument :
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BHA1

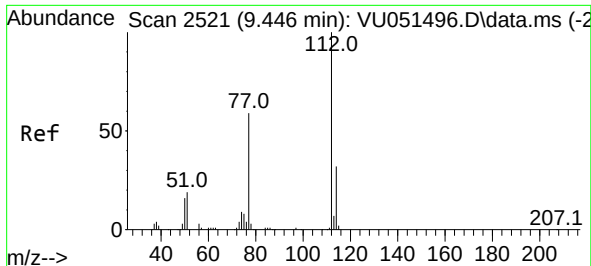
Tgt Ion: 83 Resp: 26418
Ion Ratio Lower Upper
83 100
55 0.8 65.8 98.6#
98 0.9 35.9 53.9#



#37
1,2-Dichloropropane
Concen: 0.446 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.103 min
Lab File: VU051503.D
Acq: 26 Oct 2022 15:35

Tgt Ion: 63 Resp: 11539
Ion Ratio Lower Upper
63 100
112 0.4 3.2 4.8#

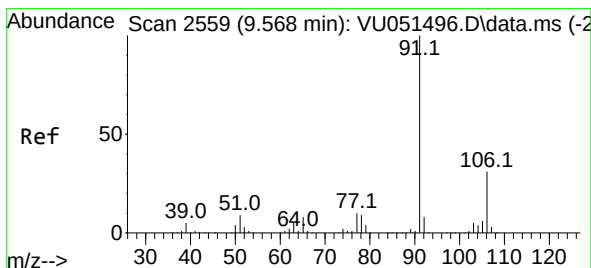
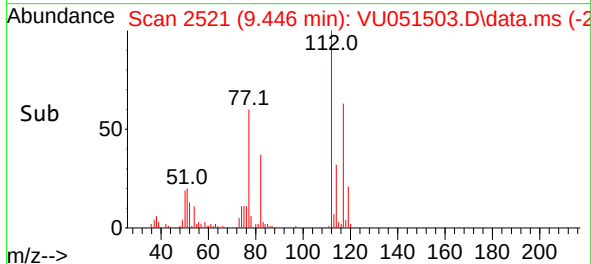
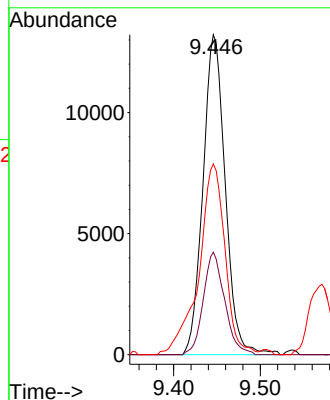
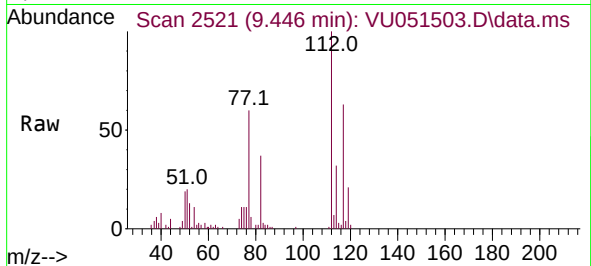




#51
Chlorobenzene
Concen: 0.394 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU051503.D
Acq: 26 Oct 2022 15:35

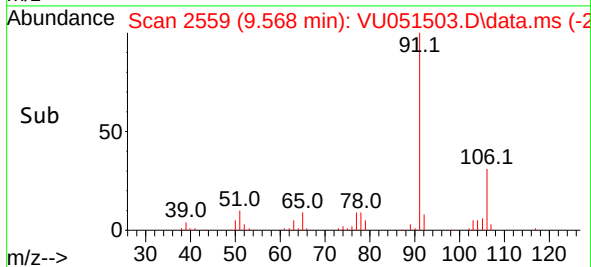
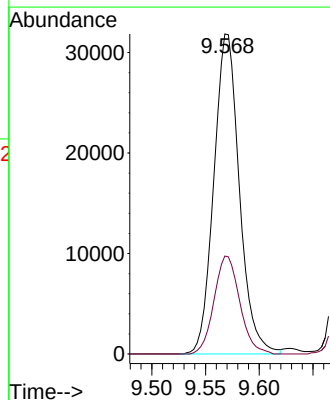
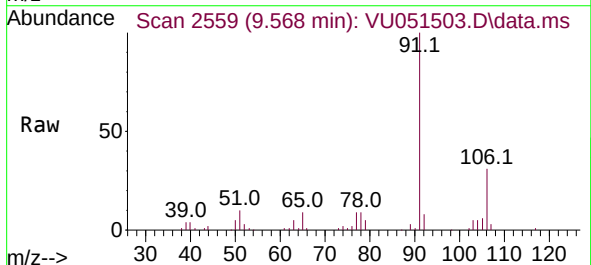
Instrument :
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ClientSampleId :
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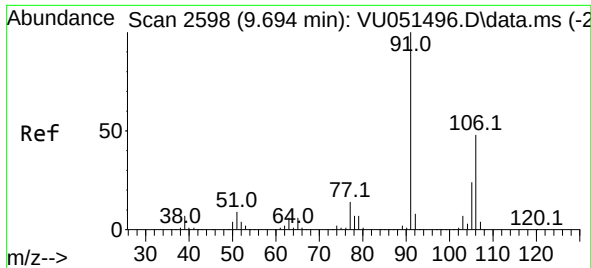
Tgt Ion:112 Resp: 23610
Ion Ratio Lower Upper
112 100
114 32.1 22.3 41.5
77 59.6 48.1 72.1



#52
Ethylbenzene
Concen: 0.584 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051503.D
Acq: 26 Oct 2022 15:35

Tgt Ion: 91 Resp: 52627
Ion Ratio Lower Upper
91 100
106 30.6 20.9 38.7

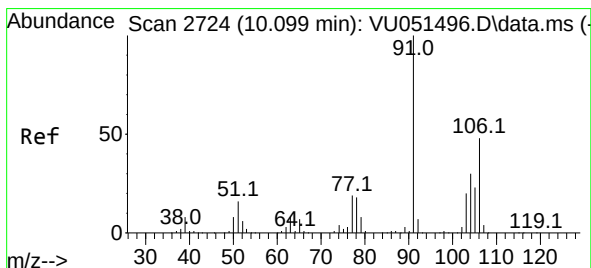
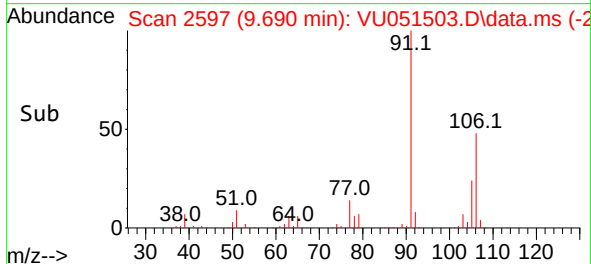
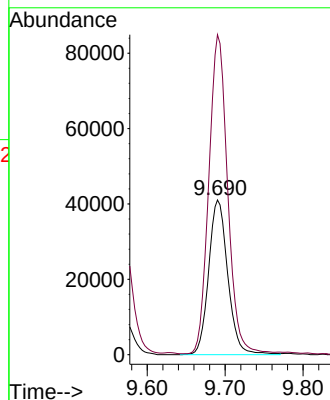
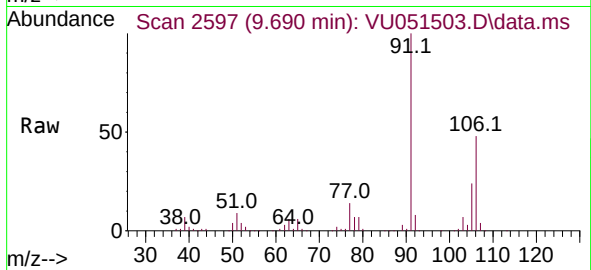




#53
m,p-Xylene
Concen: 2.006 ug/L
RT: 9.690 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU051503.D
Acq: 26 Oct 2022 15:35

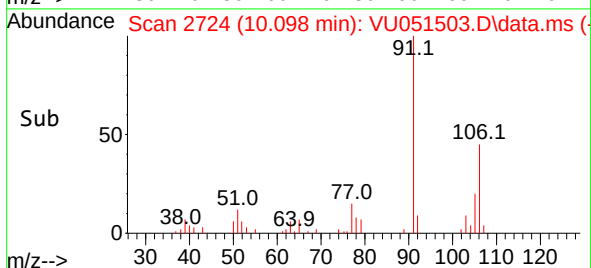
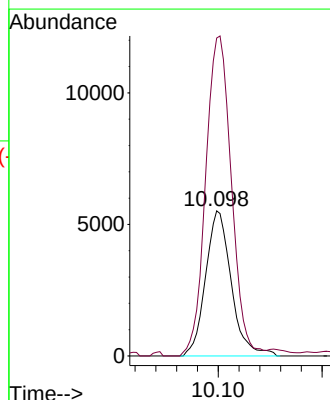
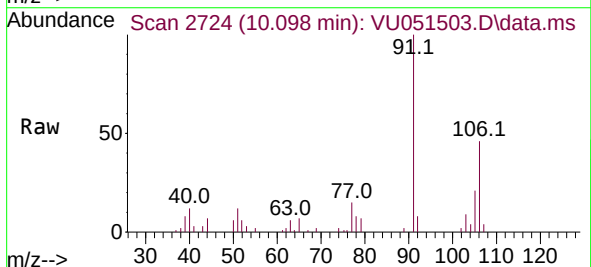
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ClientSampleId :
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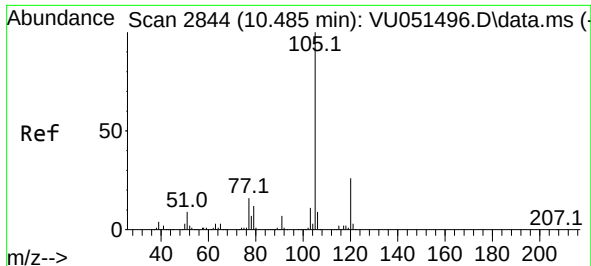
Tgt Ion:106 Resp: 70094
Ion Ratio Lower Upper
106 100
91 206.7 143.9 267.3



#54
o-Xylene
Concen: 0.286 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU051503.D
Acq: 26 Oct 2022 15:35

Tgt Ion:106 Resp: 9453
Ion Ratio Lower Upper
106 100
91 219.1 154.4 286.8

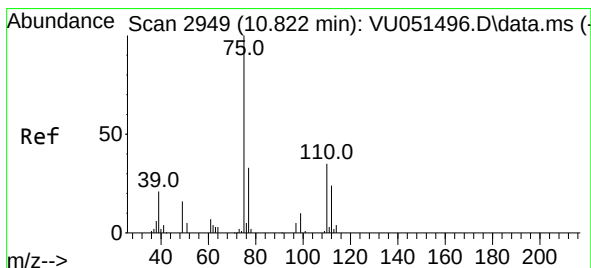
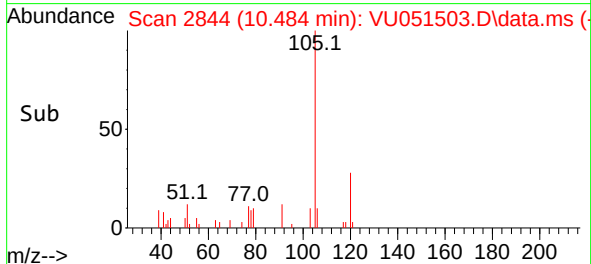
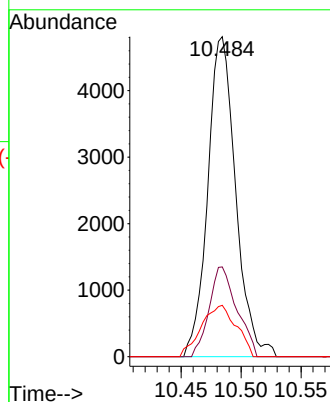
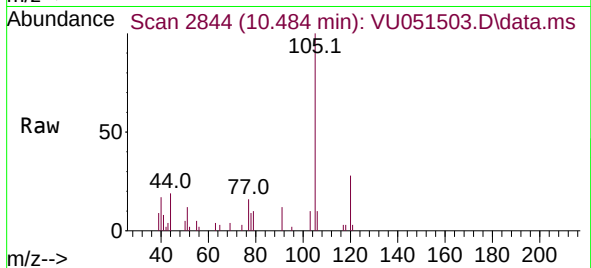




#60
Isopropylbenzene
Concen: 0.099 ug/L
RT: 10.484 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051503.D
Acq: 26 Oct 2022 15:35

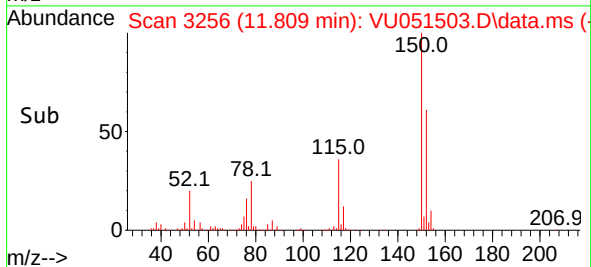
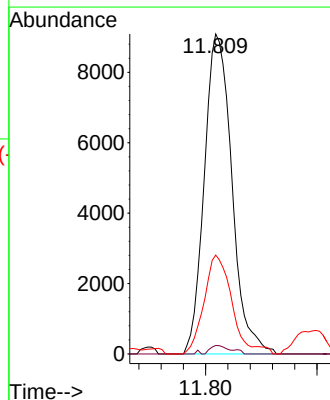
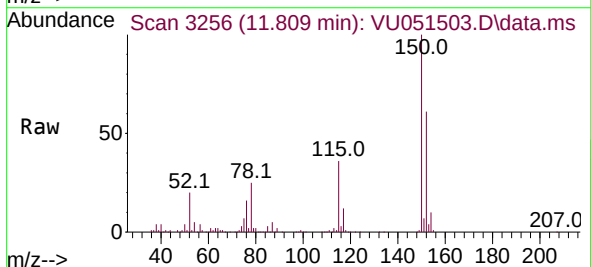
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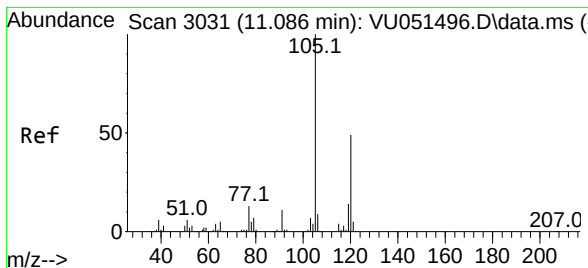
Tgt Ion:	105	Resp:	7788
Ion	Ratio	Lower	Upper
105	100		
120	27.9	20.6	30.8
77	20.1	13.5	20.3



#61
1,2,3-Trichloropropane
Concen: 1.001 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.987 min
Lab File: VU051503.D
Acq: 26 Oct 2022 15:35

Tgt Ion:	75	Resp:	15631
Ion	Ratio	Lower	Upper
75	100		
110	2.0	27.0	40.6#
77	31.2	26.4	39.6





#62

1,3,5-Trimethylbenzene

Concen: 0.139 ug/L

RT: 11.089 min Scan# 3031

Delta R.T. 0.003 min

Lab File: VU051503.D

Acq: 26 Oct 2022 15:35

Instrument :

MSVOA_U

ClientSampleId :

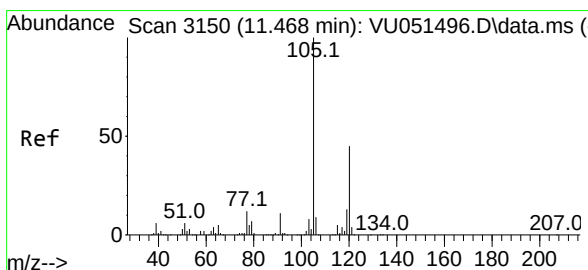
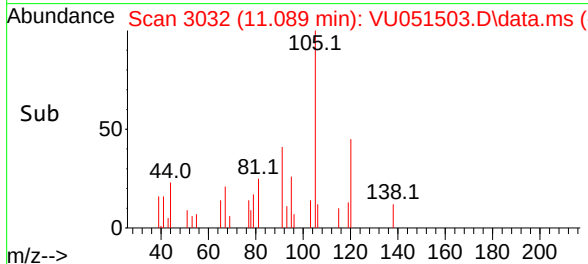
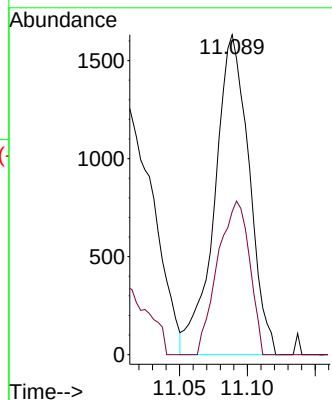
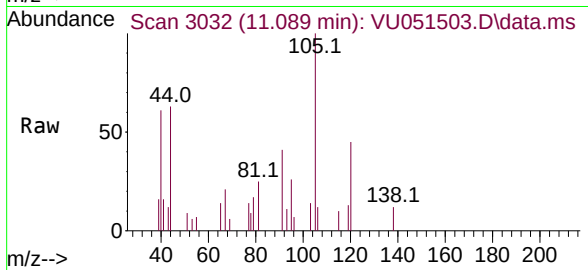
BHAE1

Tgt Ion:105 Resp: 2882

Ion Ratio Lower Upper

105 100

120 44.3 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 0.282 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU051503.D

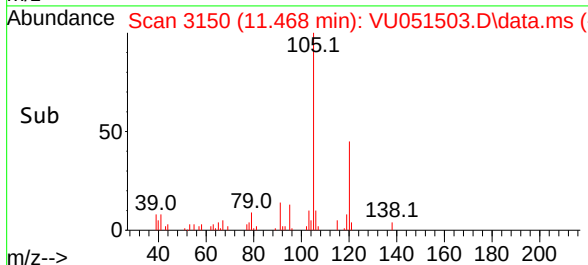
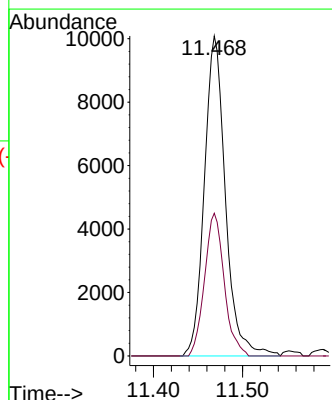
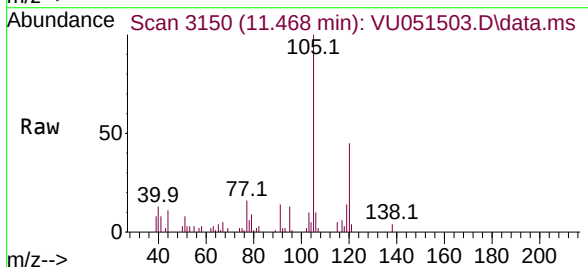
Acq: 26 Oct 2022 15:35

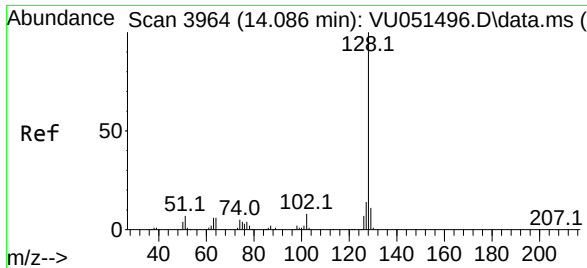
Tgt Ion:105 Resp: 16561

Ion Ratio Lower Upper

105 100

120 41.6 35.6 53.4





#71
Naphthalene
Concen: 0.244 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU051503.D
Acq: 26 Oct 2022 15:35

Instrument :
MSVOA_U
ClientSampleId :
BHAEl

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.0	8.5	12.7
127	13.7	11.1	16.7

