

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
 Data File : VU051504.D
 Acq On : 26 Oct 2022 16:01
 Operator : JC/MD
 Sample : N5270-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHA81

Quant Time: Oct 27 05:35:46 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	6.250	114	274563	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	264092	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	122818	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	99121	4.476	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.600%
7) Chloroethane-d5	1.909	69	88157	4.633	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.600%
11) 1,1-Dichloroethene-d2	2.562	65	36834	4.207	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.200%
20) 2-Butanone-d5	4.620	46	262953	53.927	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.860%
24) Chloroform-d	5.060	84	173356	4.198	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
26) 1,2-Dichloroethane-d4	5.700	65	93504	4.391	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
32) Benzene-d6	5.726	84	359518	4.949	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	6.690	67	116840	4.735	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.800%
41) Toluene-d8	7.896	98	278755	4.289	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%
43) trans-1,3-Dichloroprop...	8.179	79	34116	4.209	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.200%
46) 2-Hexanone-d5	8.633	63	175609	64.277	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.560%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	100073	5.077	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.600%
66) 1,2-Dichlorobenzene-d4	12.192	152	100737	4.719	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.400%
Target Compounds						
					Qvalue	
8) Chloroethane	1.922	64	2483	0.126	ug/L #	57
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1109	0.052	ug/L #	21
15) Methyl Acetate	3.080	43	11967	1.346	ug/L #	51
17) Methyl tert-butyl Ether	3.363	73	20937	0.456	ug/L #	1
27) 1,2-Dichloroethane	5.771	62	11792	0.434	ug/L #	74
30) Cyclohexane	5.385	56	5659	0.211	ug/L	97
33) Benzene	5.771	78	1517190	17.208	ug/L	100
35) Methylcyclohexane	6.758	83	6814	0.246	ug/L	97
37) 1,2-Dichloropropane	6.690	63	12150	0.503	ug/L #	89
51) Chlorobenzene	9.446	112	210135	3.758	ug/L	100
52) Ethylbenzene	9.571	91	23546	0.280	ug/L	98
53) m,p-Xylene	9.694	106	33709	1.034	ug/L	95
54) o-Xylene	10.102	106	6774	0.219	ug/L	93
60) Isopropylbenzene	10.485	105	535891	6.889	ug/L	99
61) 1,2,3-Trichloropropane	10.481	75	6436	0.415	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.292	105	25157	1.219	ug/L #	77
63) 1,2,4-Trimethylbenzene	11.292	105	25157	0.431	ug/L #	80
65) 1,4-Dichlorobenzene	11.835	146	21090	0.556	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	26925	0.720	ug/L	95

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ALS Vial : 11 Sample Multiplier: 1

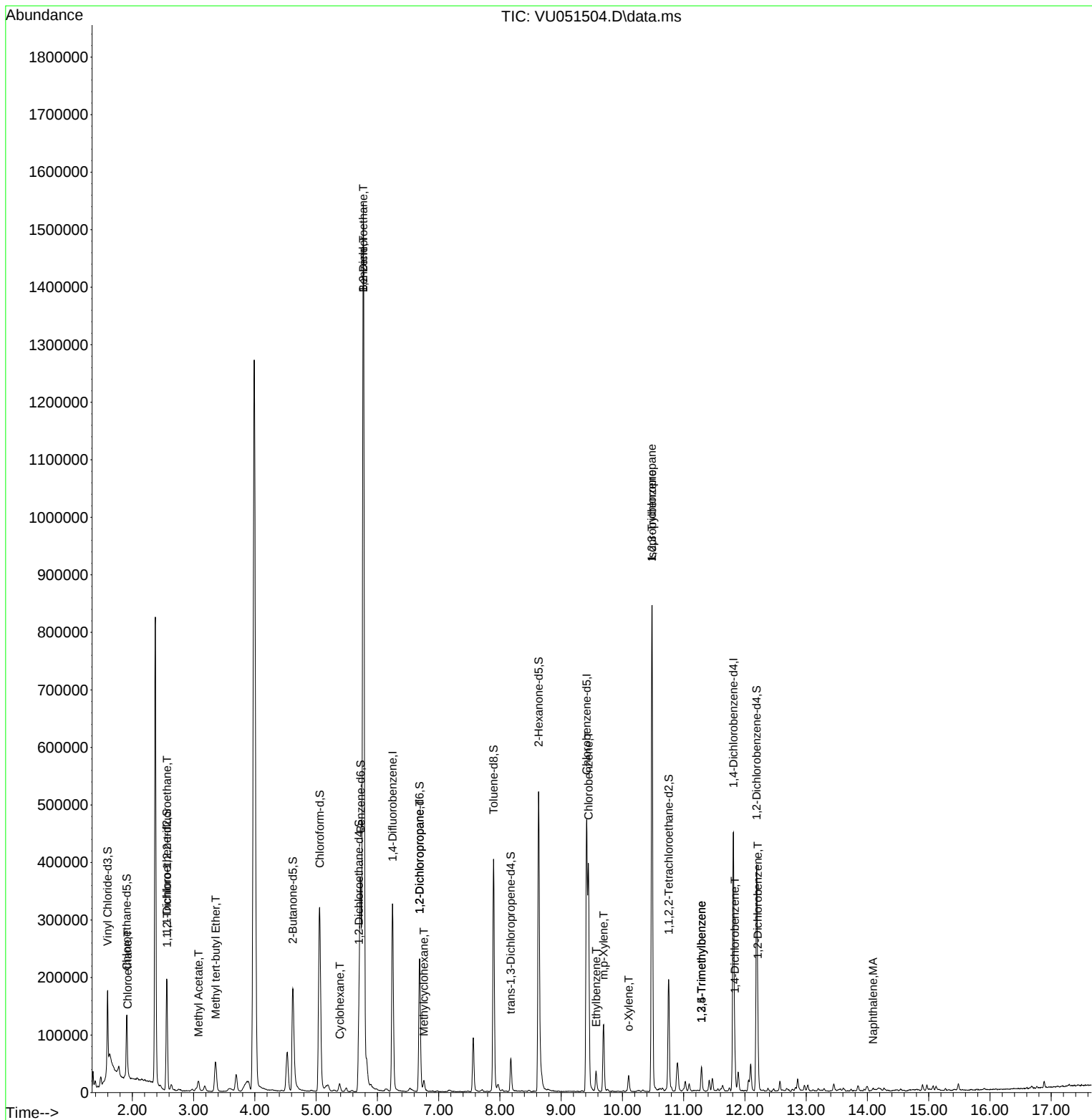
Instrument :
MSVOA_U
ClientSampleId :
BHA81

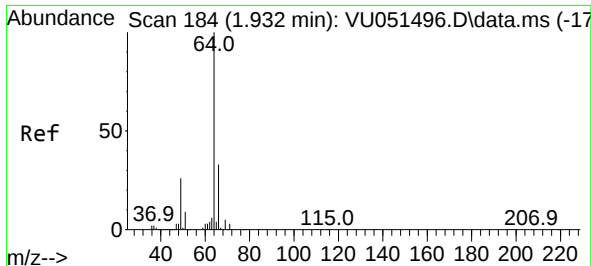
Quant Time: Oct 27 05:35:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 27 05:28:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.092	128	4187	0.119	ug/L	98

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

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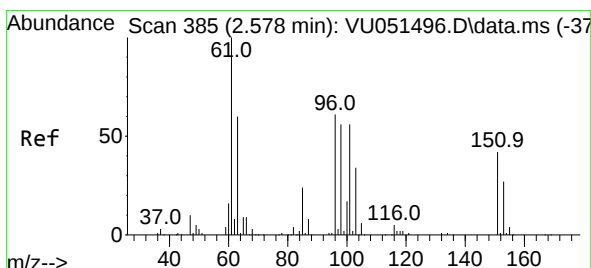
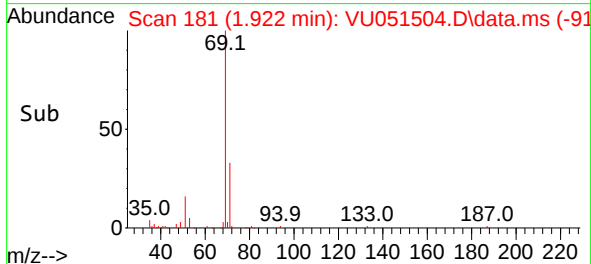
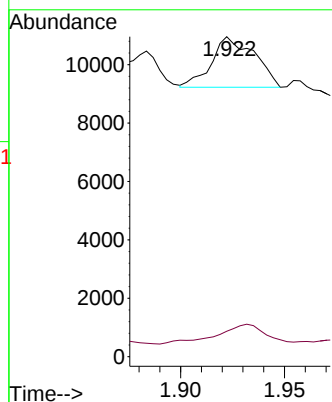
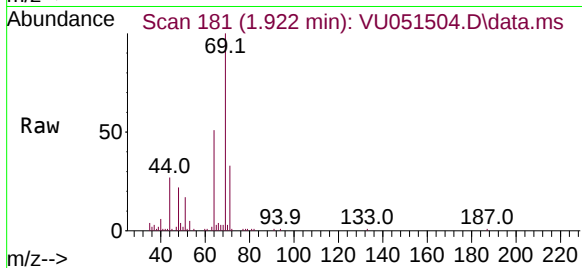




#8
Chloroethane
Concen: 0.126 ug/L
RT: 1.922 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU051504.D
Acq: 26 Oct 2022 16:01

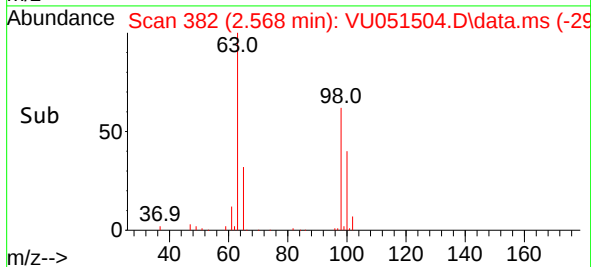
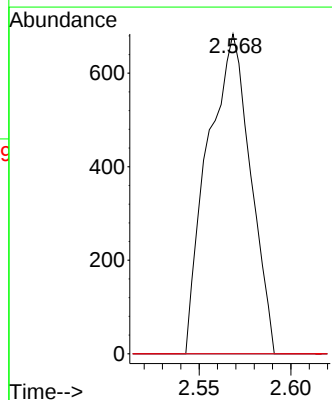
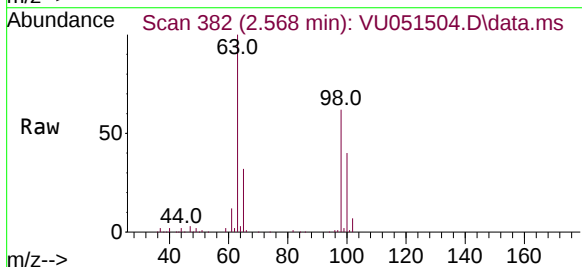
Instrument :
MSVOA_U
ClientSampleId :
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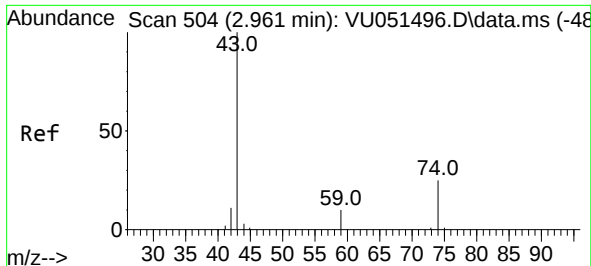
Tgt Ion: 64 Resp: 2483
Ion Ratio Lower Upper
64 100
66 7.9 22.3 41.3#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.052 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.010 min
Lab File: VU051504.D
Acq: 26 Oct 2022 16:01

Tgt Ion:101 Resp: 1109
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 56.5 84.7#

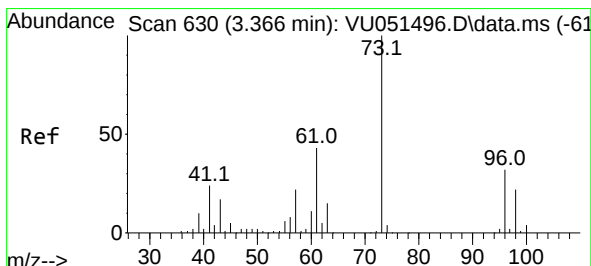
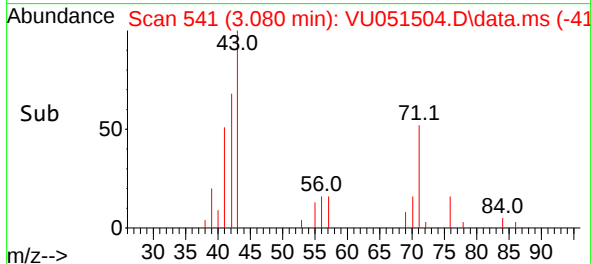
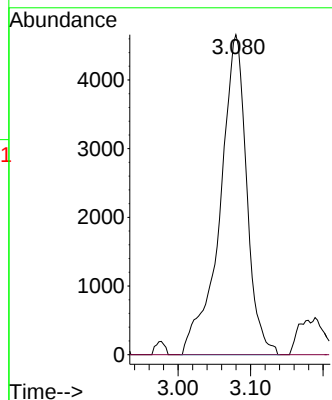
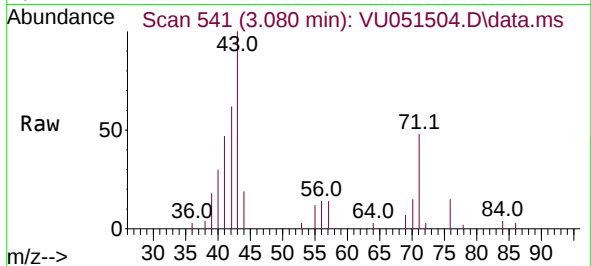




#15
Methyl Acetate
Concen: 1.346 ug/L
RT: 3.080 min Scan# 541
Delta R.T. 0.119 min
Lab File: VU051504.D
Acq: 26 Oct 2022 16:01

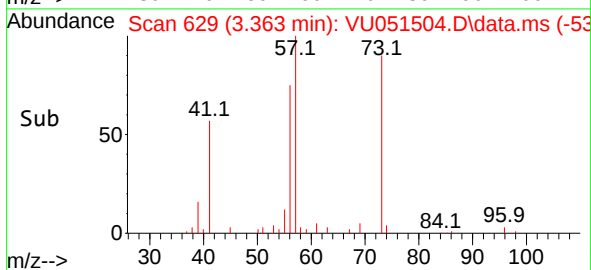
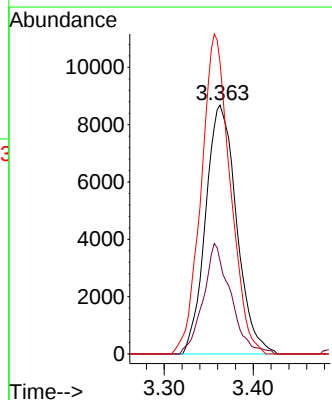
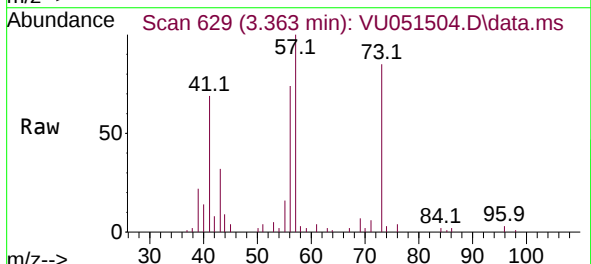
Instrument :
MSVOA_U
ClientSampleId :
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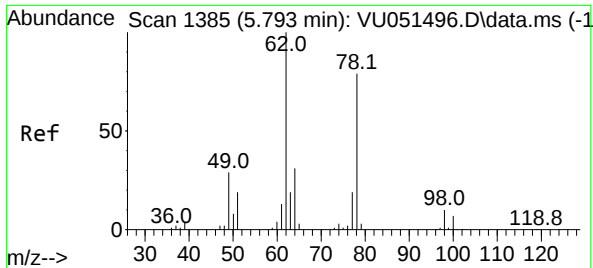
Tgt Ion: 43 Resp: 11967
Ion Ratio Lower Upper
43 100
74 0.2 20.0 30.0#



#17
Methyl tert-butyl Ether
Concen: 0.456 ug/L
RT: 3.363 min Scan# 629
Delta R.T. -0.003 min
Lab File: VU051504.D
Acq: 26 Oct 2022 16:01

Tgt Ion: 73 Resp: 20937
Ion Ratio Lower Upper
73 100
43 39.3 15.4 23.0#
57 120.5 18.9 28.3#

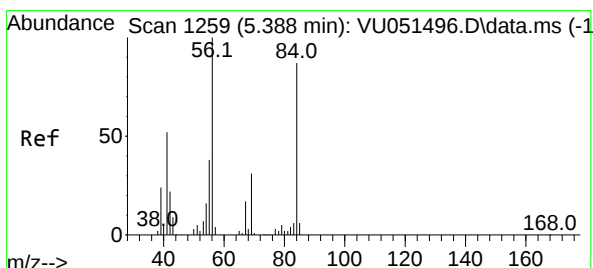
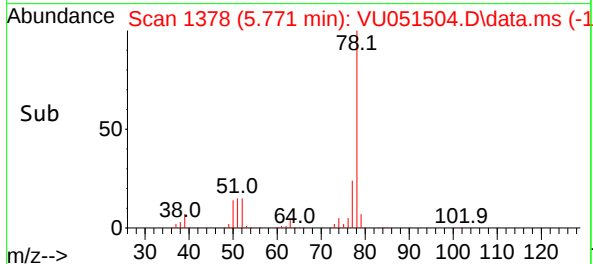
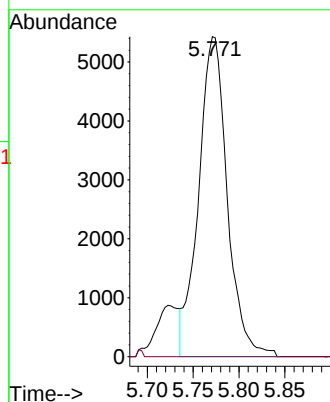
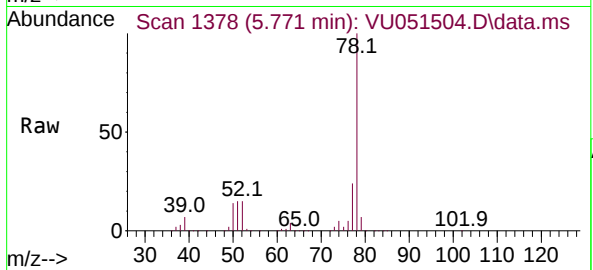




#27
 1,2-Dichloroethane
 Concen: 0.434 ug/L
 RT: 5.771 min Scan# 11
 Delta R.T. -0.023 min
 Lab File: VU051504.D
 Acq: 26 Oct 2022 16:01

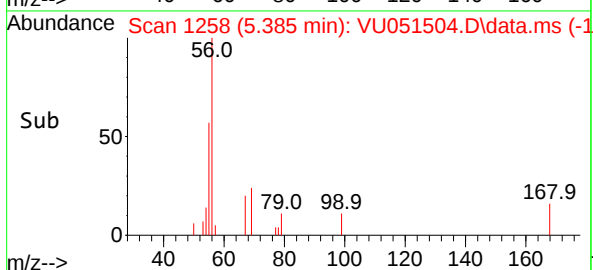
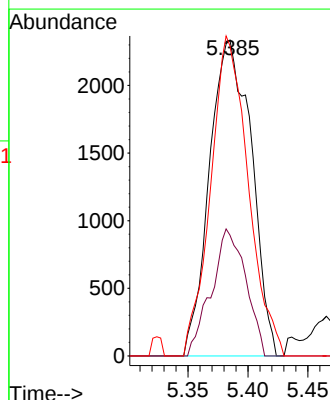
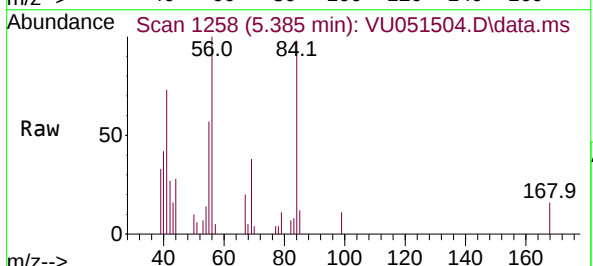
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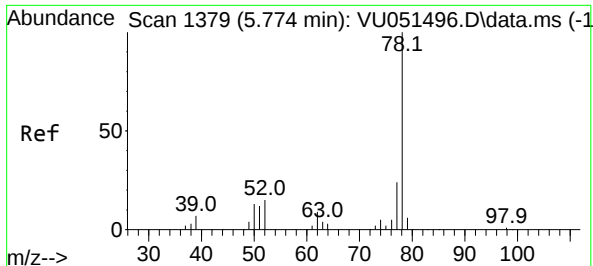
Tgt Ion: 62 Resp: 11792
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.7 11.5#



#30
 Cyclohexane
 Concen: 0.211 ug/L
 RT: 5.385 min Scan# 1258
 Delta R.T. -0.003 min
 Lab File: VU051504.D
 Acq: 26 Oct 2022 16:01

Tgt Ion: 56 Resp: 5659
 Ion Ratio Lower Upper
 56 100
 69 33.1 25.1 37.7
 84 90.9 70.9 106.3

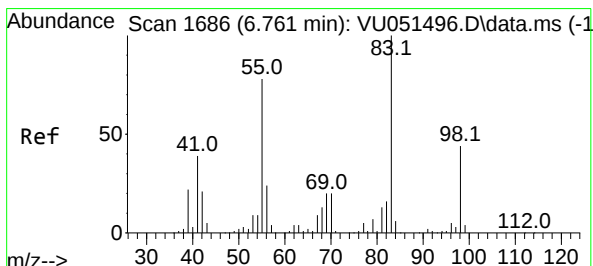
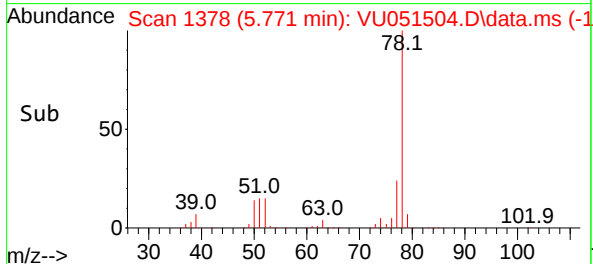
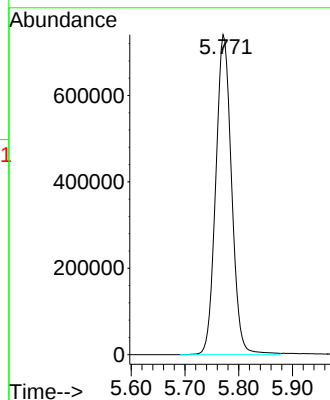
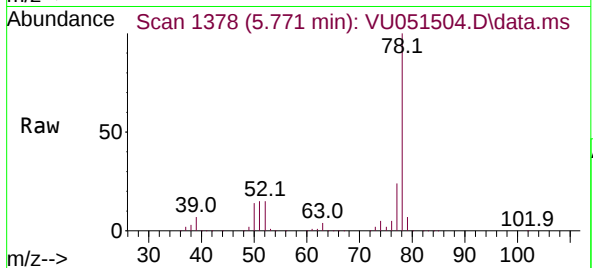




#33
Benzene
Concen: 17.208 ug/L
RT: 5.771 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU051504.D
Acq: 26 Oct 2022 16:01

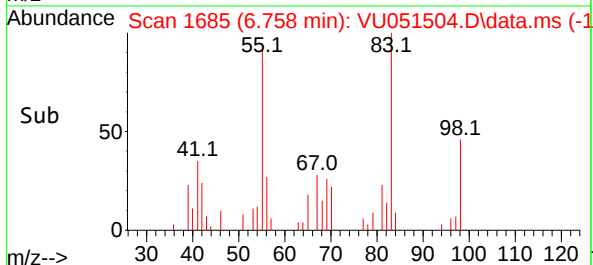
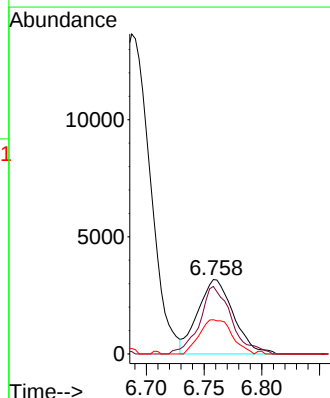
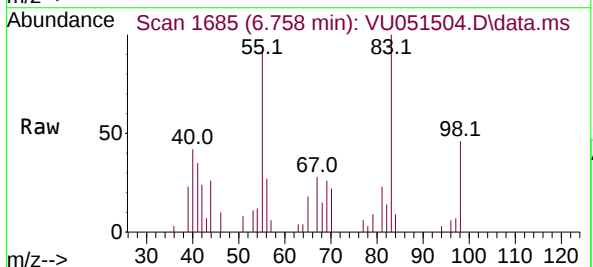
Instrument :
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ClientSampleId :
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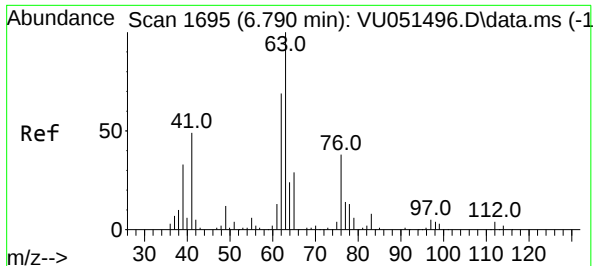
Tgt Ion: 78 Resp: 1517190



#35
Methylcyclohexane
Concen: 0.246 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU051504.D
Acq: 26 Oct 2022 16:01

Tgt Ion: 83 Resp: 6814
Ion Ratio Lower Upper
83 100
55 80.8 65.8 98.6
98 41.9 35.9 53.9

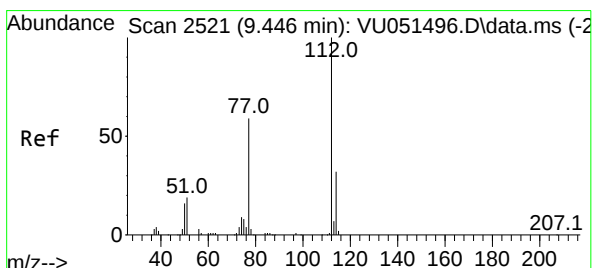
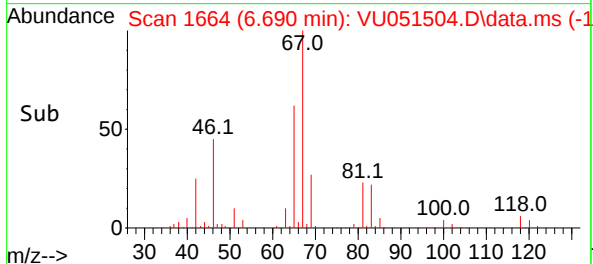
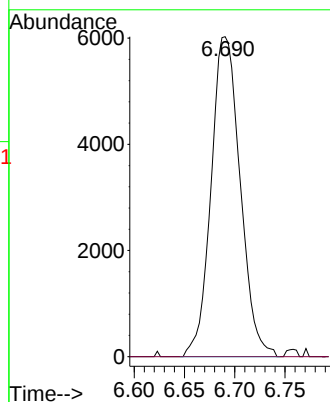
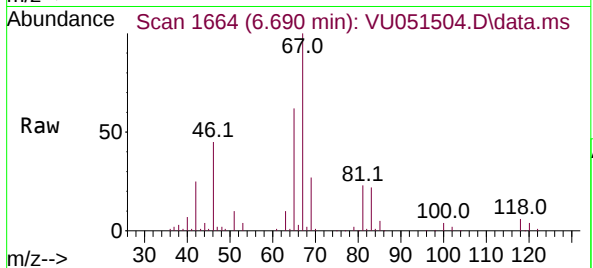




#37
1,2-Dichloropropane
Concen: 0.503 ug/L
RT: 6.690 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU051504.D
Acq: 26 Oct 2022 16:01

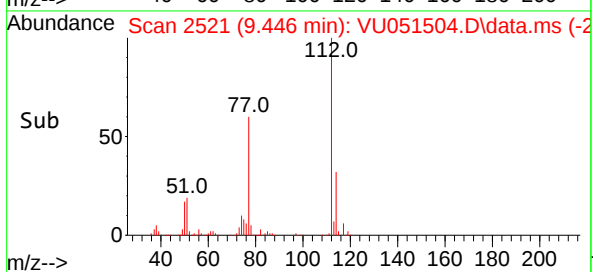
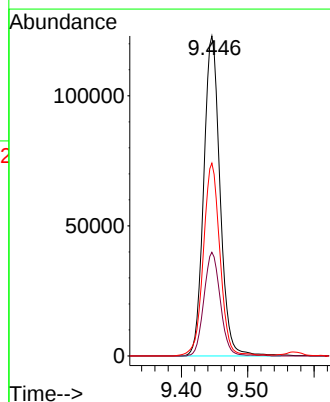
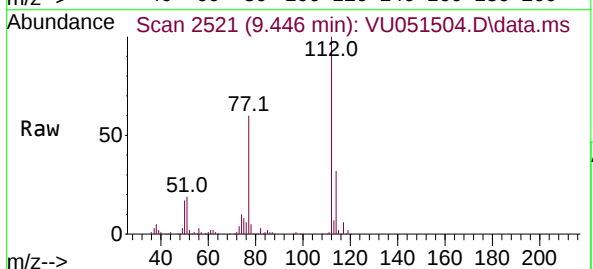
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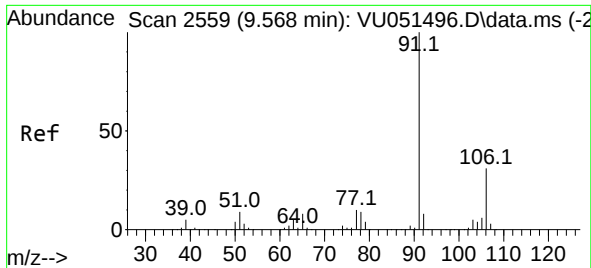
Tgt Ion: 63 Resp: 12150
Ion Ratio Lower Upper
63 100
112 0.3 3.2 4.8#



#51
Chlorobenzene
Concen: 3.758 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU051504.D
Acq: 26 Oct 2022 16:01

Tgt Ion: 112 Resp: 210135
Ion Ratio Lower Upper
112 100
114 32.4 22.3 41.5
77 60.3 48.1 72.1

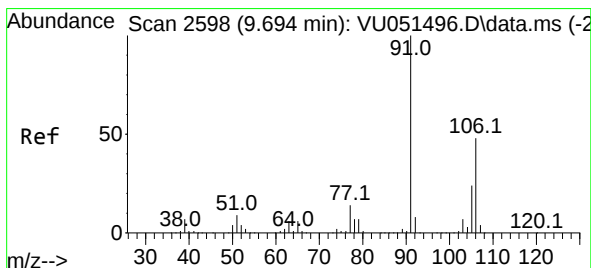
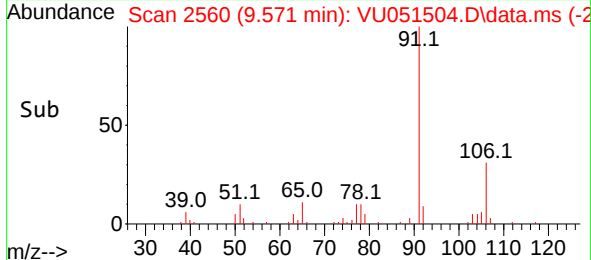
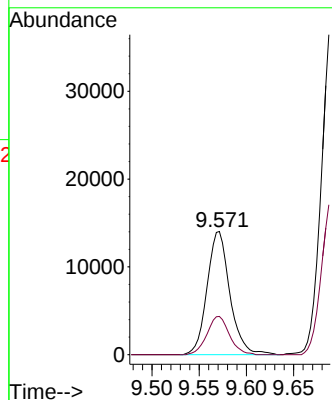
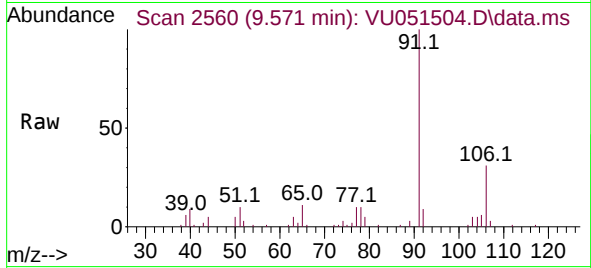




#52
Ethylbenzene
Concen: 0.280 ug/L
RT: 9.571 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU051504.D
Acq: 26 Oct 2022 16:01

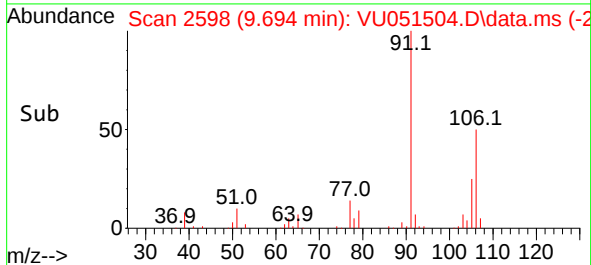
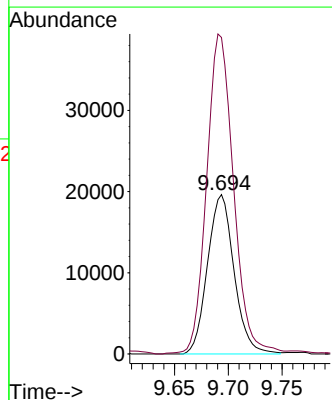
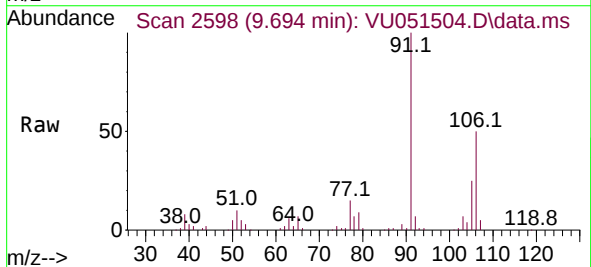
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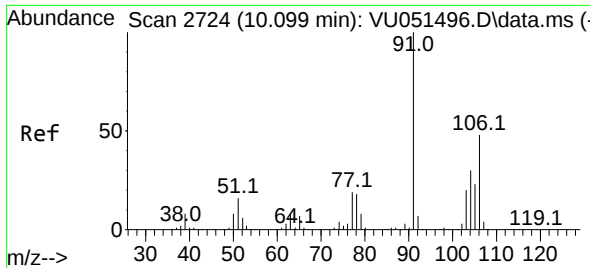
Tgt Ion: 91 Resp: 23546
Ion Ratio Lower Upper
91 100
106 31.0 20.9 38.7



#53
m,p-Xylene
Concen: 1.034 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU051504.D
Acq: 26 Oct 2022 16:01

Tgt Ion: 106 Resp: 33709
Ion Ratio Lower Upper
106 100
91 198.6 143.9 267.3

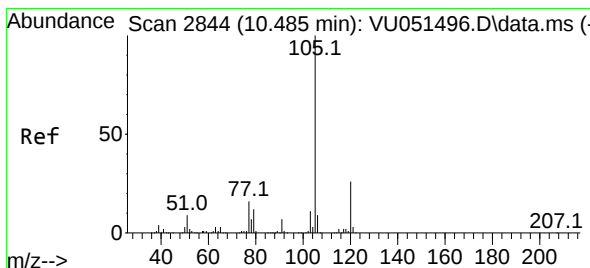
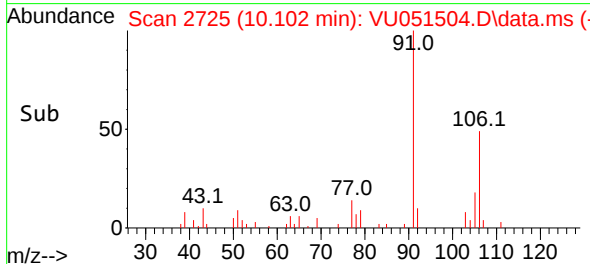
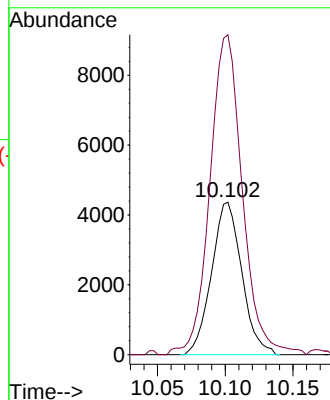
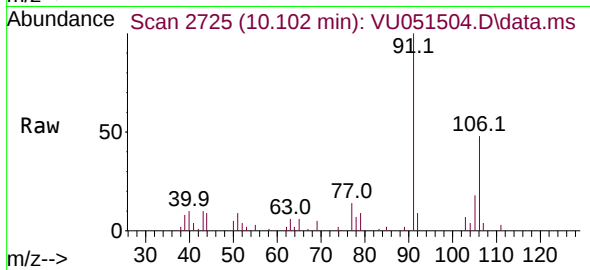




#54
o-Xylene
Concen: 0.219 ug/L
RT: 10.102 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051504.D
Acq: 26 Oct 2022 16:01

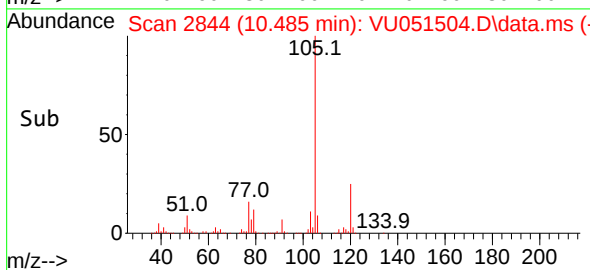
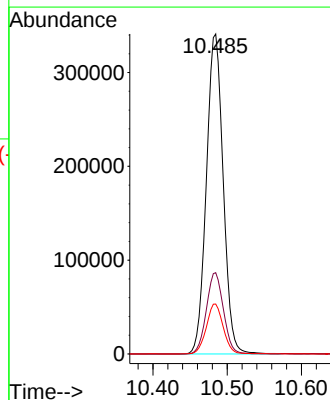
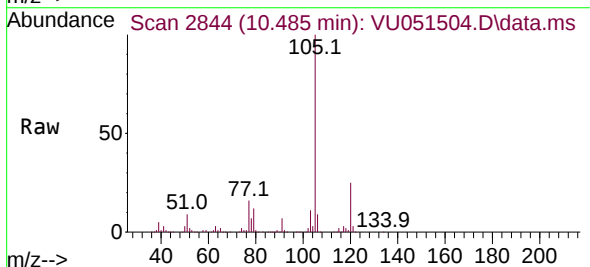
Instrument :
MSVOA_U
ClientSampleId :
BHA81

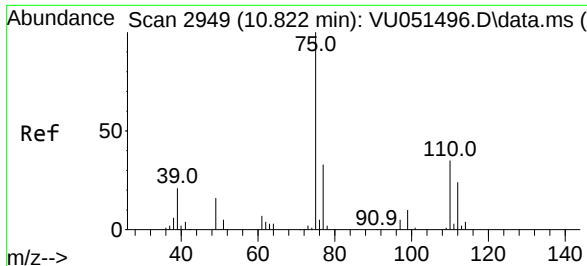
Tgt Ion:106 Resp: 6774
Ion Ratio Lower Upper
106 100
91 209.9 154.4 286.8



#60
Isopropylbenzene
Concen: 6.889 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU051504.D
Acq: 26 Oct 2022 16:01

Tgt Ion:105 Resp: 535891
Ion Ratio Lower Upper
105 100
120 25.8 20.6 30.8
77 15.7 13.5 20.3

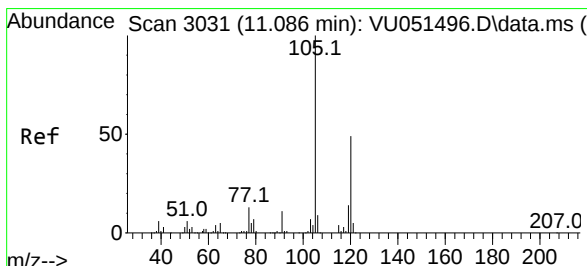
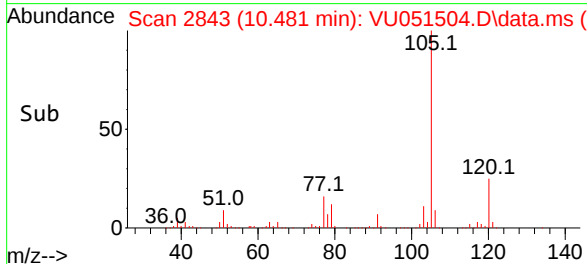
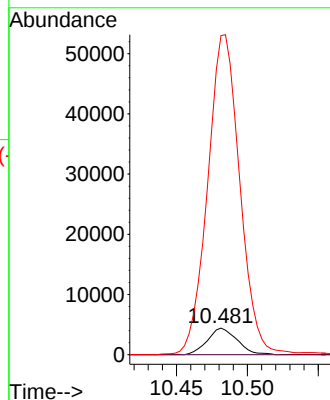
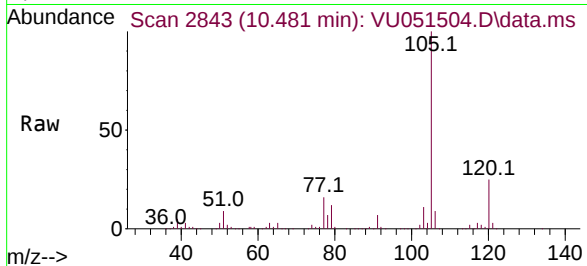




#61
1,2,3-Trichloropropane
Concen: 0.415 ug/L
RT: 10.481 min Scan# 21
Delta R.T. -0.341 min
Lab File: VU051504.D
Acq: 26 Oct 2022 16:01

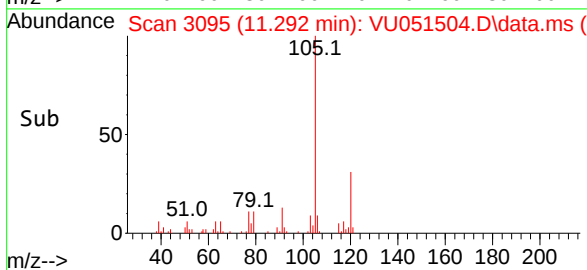
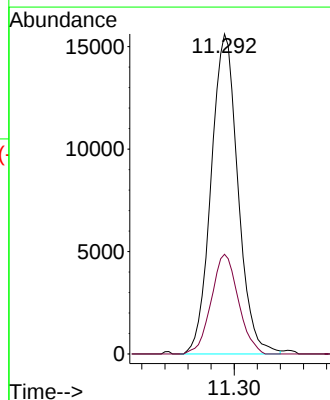
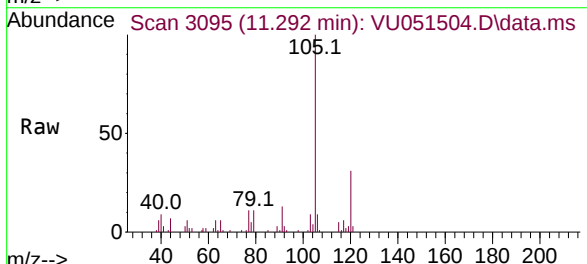
Instrument :
MSVOA_U
ClientSampleId :
BHA81

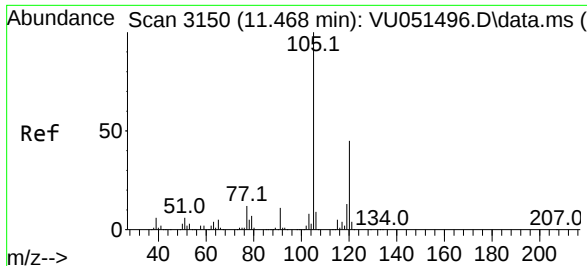
Tgt Ion: 75 Resp: 6436
Ion Ratio Lower Upper
75 100
110 0.0 27.0 40.6#
77 1305.3 26.4 39.6#



#62
1,3,5-Trimethylbenzene
Concen: 1.219 ug/L
RT: 11.292 min Scan# 3095
Delta R.T. 0.206 min
Lab File: VU051504.D
Acq: 26 Oct 2022 16:01

Tgt Ion:105 Resp: 25157
Ion Ratio Lower Upper
105 100
120 31.5 37.7 56.5#

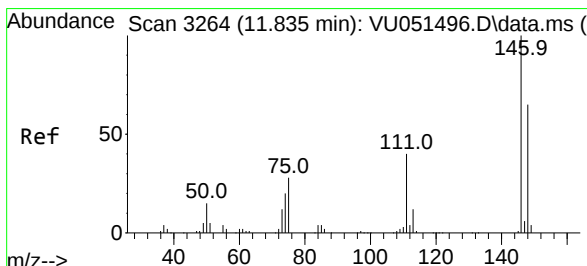
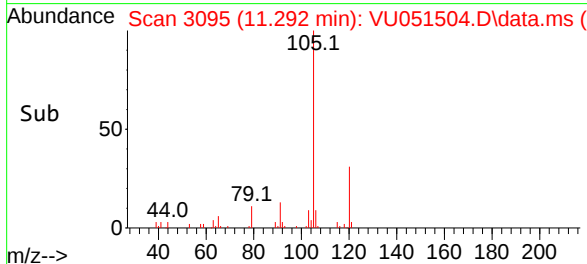
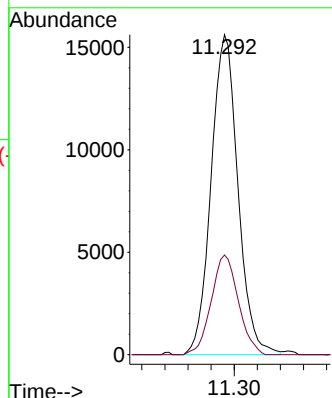
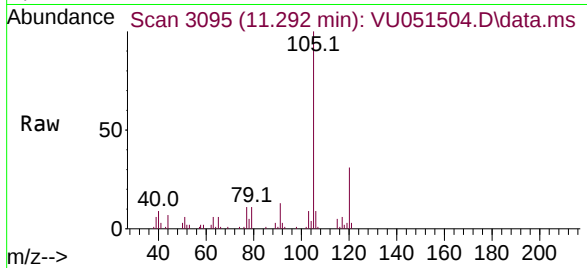




#63
 1,2,4-Trimethylbenzene
 Concen: 0.431 ug/L
 RT: 11.292 min Scan# 3095
 Delta R.T. -0.177 min
 Lab File: VU051504.D
 Acq: 26 Oct 2022 16:01

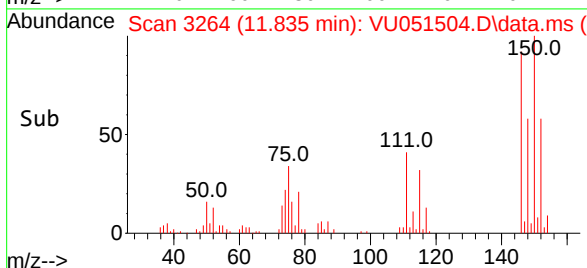
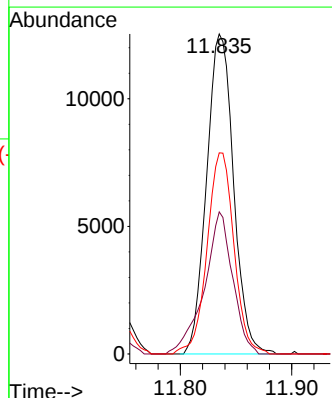
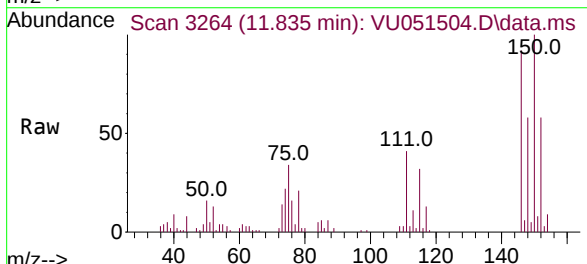
Instrument :
 MSVOA_U
 ClientSampleId :
 BHA81

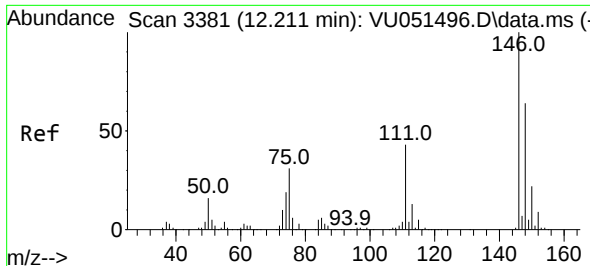
Tgt Ion:105 Resp: 25157
 Ion Ratio Lower Upper
 105 100
 120 31.5 35.6 53.4#



#65
 1,4-Dichlorobenzene
 Concen: 0.556 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. -0.000 min
 Lab File: VU051504.D
 Acq: 26 Oct 2022 16:01

Tgt Ion:146 Resp: 21090
 Ion Ratio Lower Upper
 146 100
 111 44.4 29.1 54.1
 148 62.8 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 0.720 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU051504.D

Acq: 26 Oct 2022 16:01

Instrument :

MSVOA_U

ClientSampleId :

BHA81

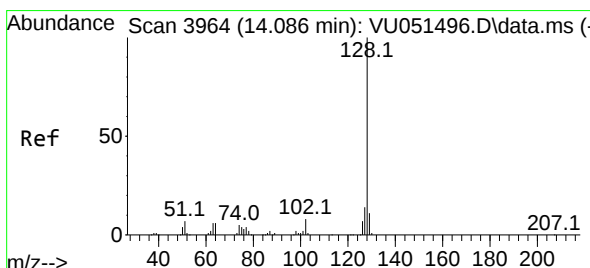
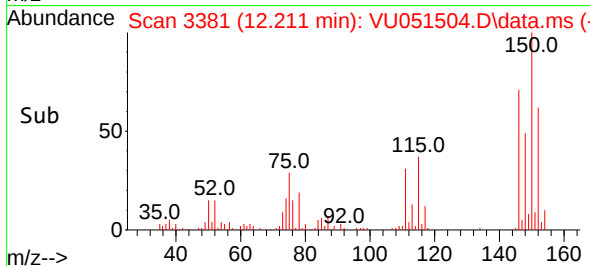
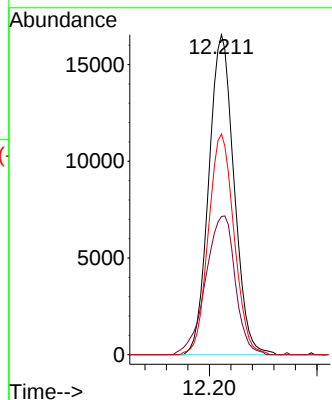
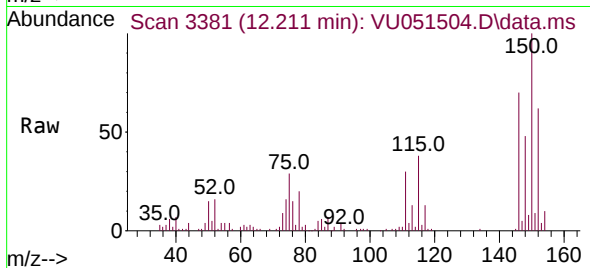
Tgt Ion:146 Resp: 26925

Ion Ratio Lower Upper

146 100

111 43.2 35.5 53.3

148 69.0 50.9 76.3



#71

Naphthalene

Concen: 0.119 ug/L

RT: 14.092 min Scan# 3966

Delta R.T. 0.006 min

Lab File: VU051504.D

Acq: 26 Oct 2022 16:01

Tgt Ion:128 Resp: 4187

Ion Ratio Lower Upper

128 100

129 9.4 8.5 12.7

127 14.5 11.1 16.7

