

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
 Data File : VU051520.D
 Acq On : 26 Oct 2022 23:09
 Operator : JC/MD
 Sample : N5300-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHA88

Quant Time: Oct 27 08:24:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 27 08:11:03 2022
 Response via : Initial Calibration

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

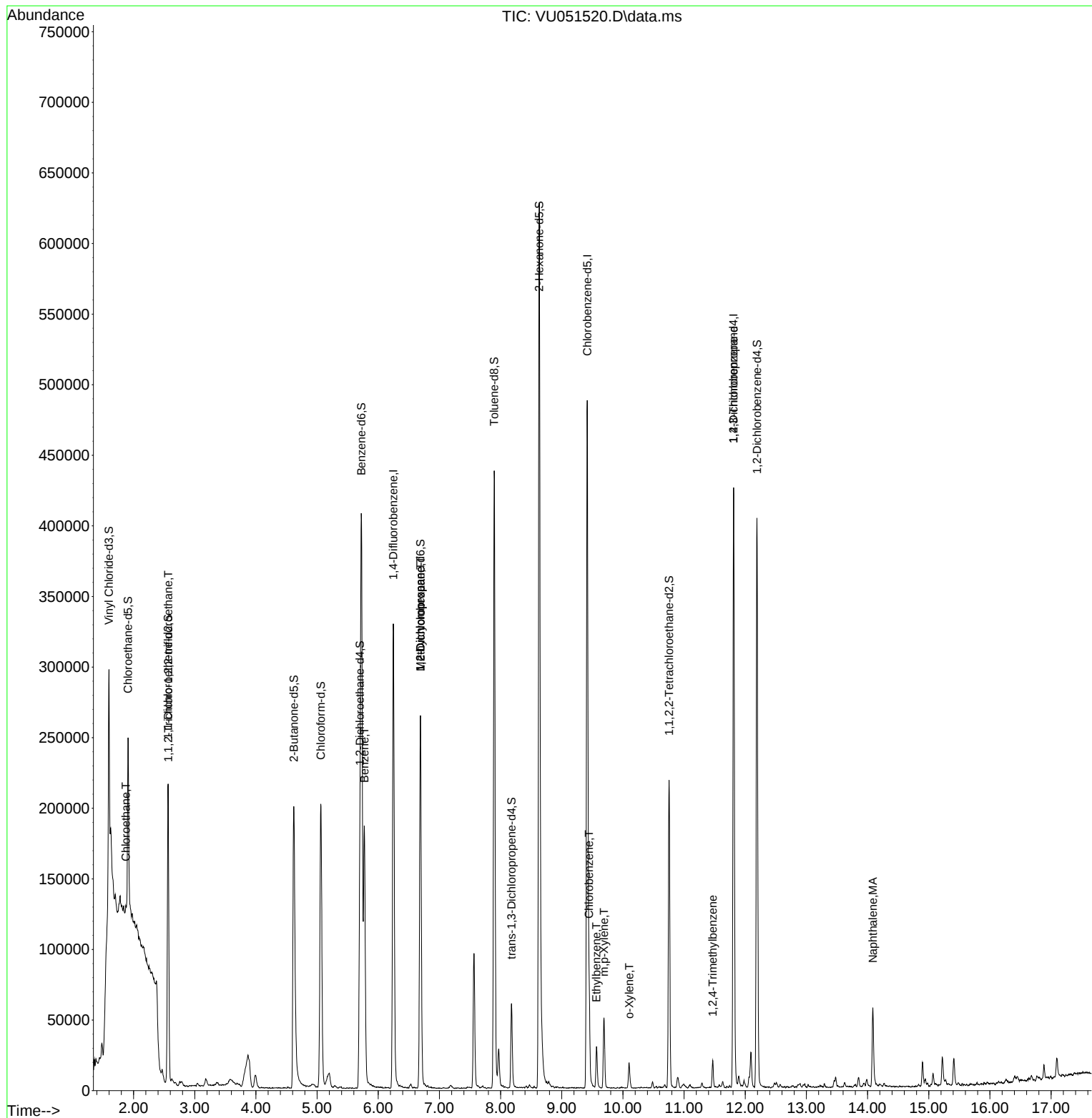
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	277470	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	283875	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	117460	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	114338	5.109	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.200%
7) Chloroethane-d5	1.909	69	96934	5.040	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.800%
11) 1,1-Dichloroethene-d2	2.565	65	39507	4.465	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.400%
20) 2-Butanone-d5	4.620	46	286088	58.056	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.120%
24) Chloroform-d	5.060	84	191272	4.584	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	5.700	65	102994	4.786	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
32) Benzene-d6	5.726	84	395817	5.069	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
36) 1,2-Dichloropropane-d6	6.690	67	132059	4.979	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.600%
41) Toluene-d8	7.896	98	306487	4.387	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
43) trans-1,3-Dichloroprop...	8.179	79	35981	4.129	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.600%
46) 2-Hexanone-d5	8.632	63	211816	72.127	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	144.260%#
56) 1,1,2,2-Tetrachloroeth...	10.755	84	111395	5.258	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	112725	5.521	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.400%
Target Compounds						Qvalue
8) Chloroethane	1.874	64	5557	0.280	ug/L #	50
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1288	0.060	ug/L #	21
33) Benzene	5.774	78	182637	1.927	ug/L	100
35) Methylcyclohexane	6.690	83	29582	0.992	ug/L #	17
37) 1,2-Dichloropropane	6.690	63	13596	0.523	ug/L #	88
51) Chlorobenzene	9.446	112	36078	0.600	ug/L	94
52) Ethylbenzene	9.568	91	19841	0.219	ug/L	92
53) m,p-Xylene	9.693	106	14356	0.409	ug/L	96
54) o-Xylene	10.102	106	4719	0.142	ug/L	88
61) 1,2,3-Trichloropropane	11.809	75	14588	0.984	ug/L #	69
63) 1,2,4-Trimethylbenzene	11.468	105	10624	0.190	ug/L	100
71) Naphthalene	14.086	128	49474	1.476	ug/L	99

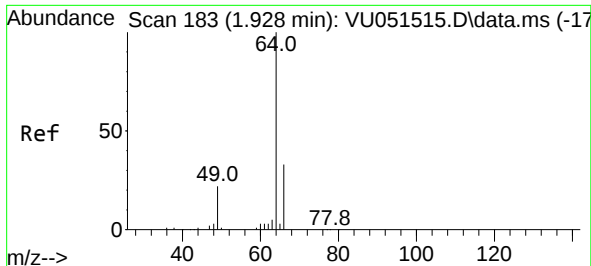
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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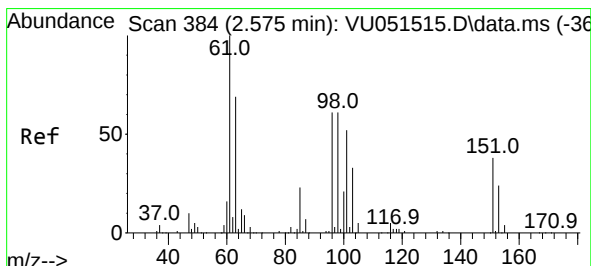
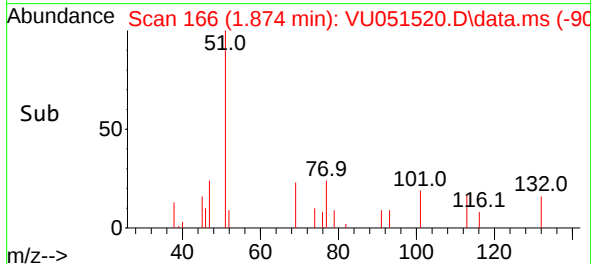
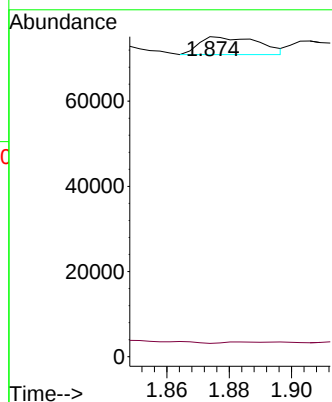
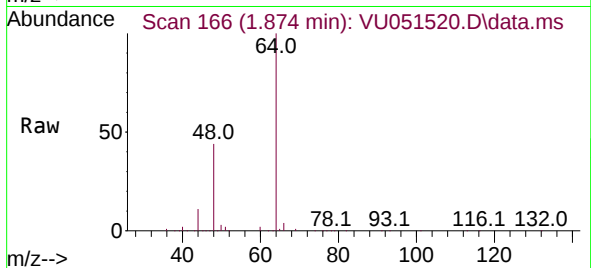




#8
Chloroethane
Concen: 0.280 ug/L
RT: 1.874 min Scan# 1
Delta R.T. -0.055 min
Lab File: VU051520.D
Acq: 26 Oct 2022 23:09

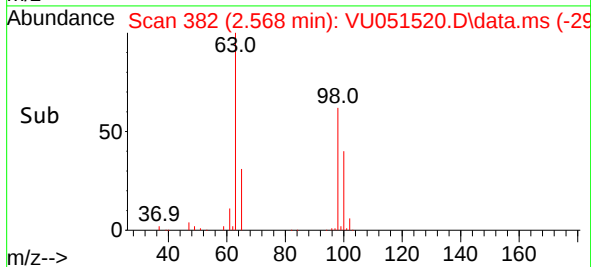
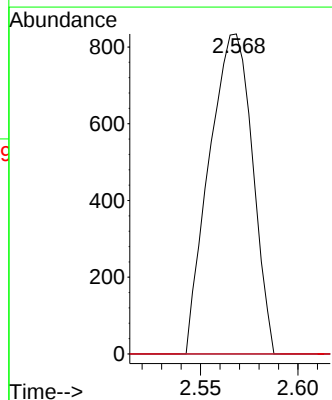
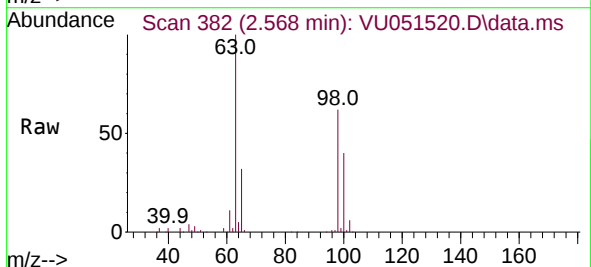
Instrument :
MSVOA_U
ClientSampleId :
BHA88

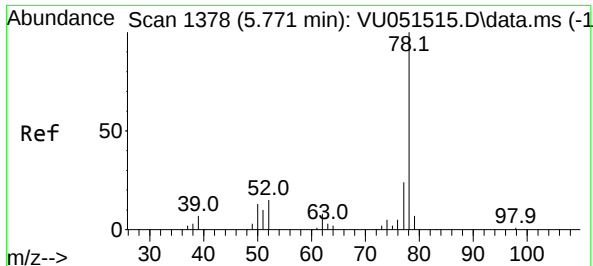
Tgt Ion: 64 Resp: 5557
Ion Ratio Lower Upper
64 100
66 4.1 22.3 41.3#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.060 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.006 min
Lab File: VU051520.D
Acq: 26 Oct 2022 23:09

Tgt Ion: 101 Resp: 1288
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 56.5 84.7#

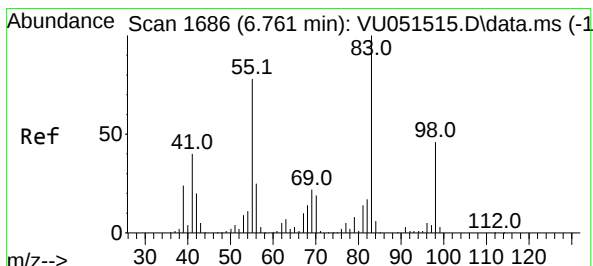
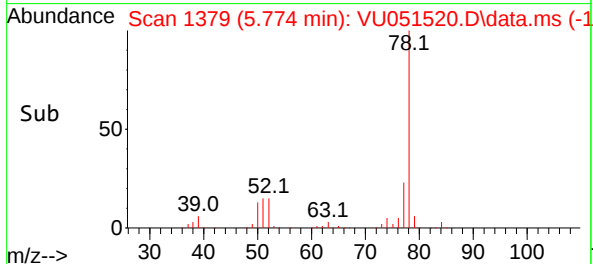
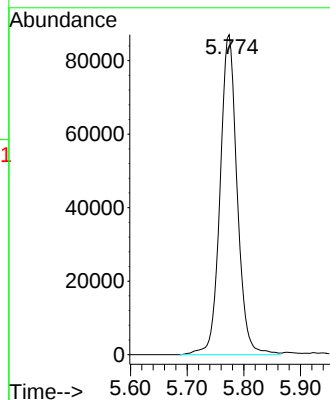
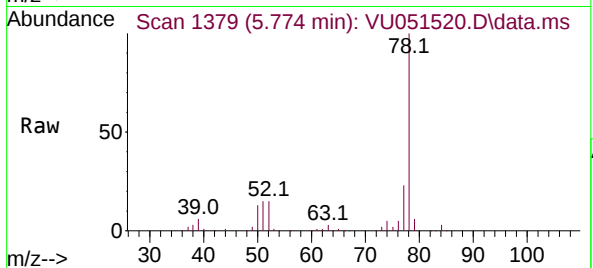




#33
Benzene
Concen: 1.927 ug/L
RT: 5.774 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU051520.D
Acq: 26 Oct 2022 23:09

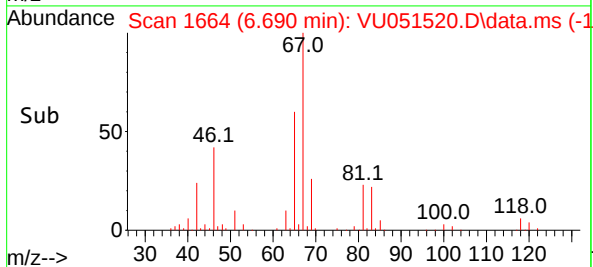
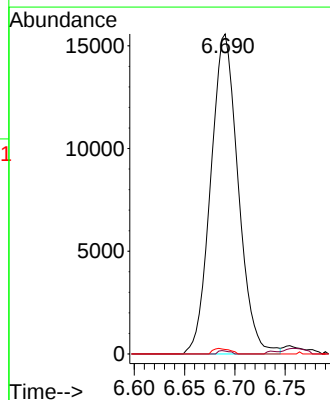
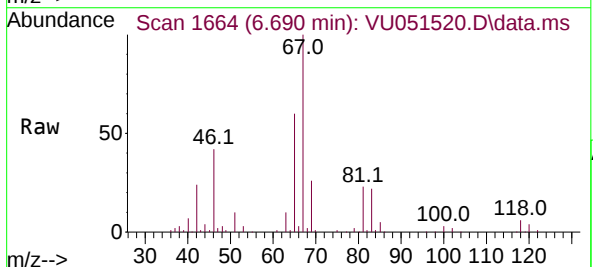
Instrument :
MSVOA_U
ClientSampleId :
BHA88

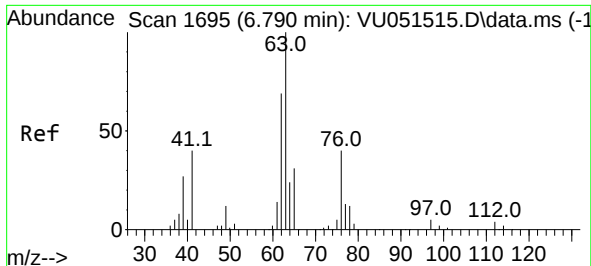
Tgt Ion: 78 Resp: 182637



#35
Methylcyclohexane
Concen: 0.992 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.071 min
Lab File: VU051520.D
Acq: 26 Oct 2022 23:09

Tgt Ion: 83 Resp: 29582
Ion Ratio Lower Upper
83 100
55 0.4 65.8 98.6#
98 1.1 35.9 53.9#





#37

1,2-Dichloropropane

Concen: 0.523 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU051520.D

Acq: 26 Oct 2022 23:09

Instrument :

MSVOA_U

ClientSampleId :

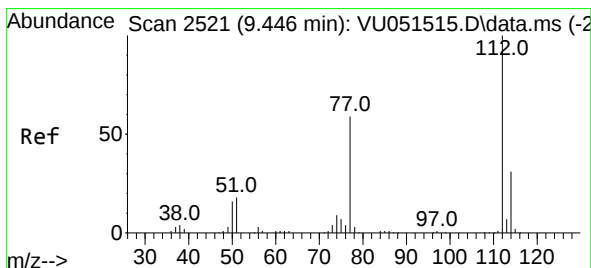
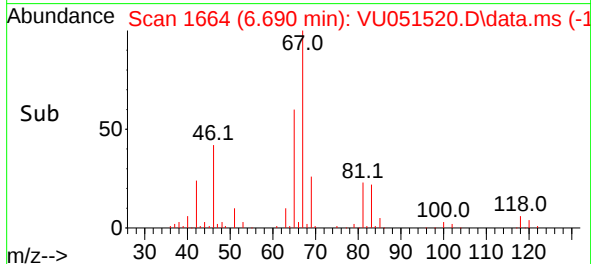
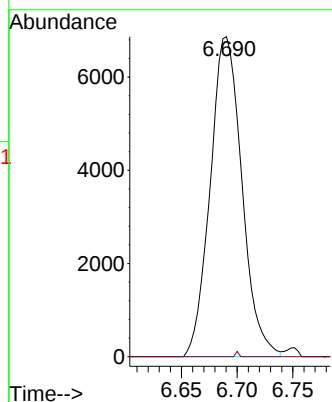
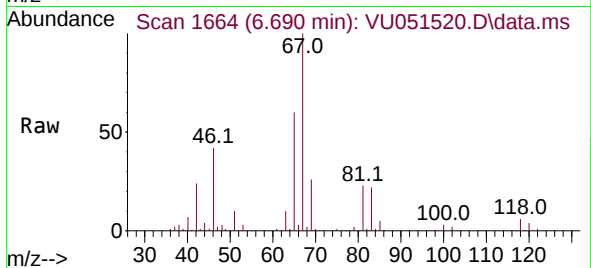
BHA88

Tgt Ion: 63 Resp: 13596

Ion Ratio Lower Upper

63 100

112 0.2 3.2 4.8#



#51

Chlorobenzene

Concen: 0.600 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU051520.D

Acq: 26 Oct 2022 23:09

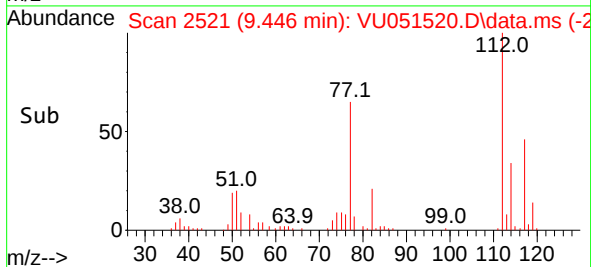
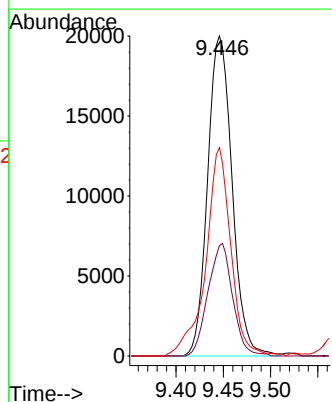
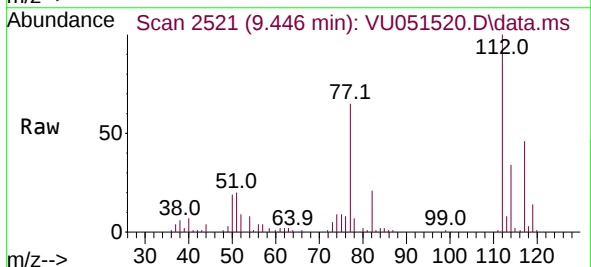
Tgt Ion: 112 Resp: 36078

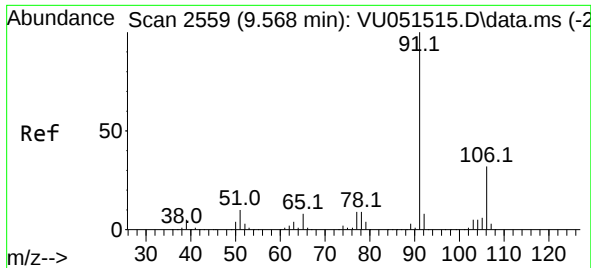
Ion Ratio Lower Upper

112 100

114 34.4 22.3 41.5

77 65.1 48.1 72.1

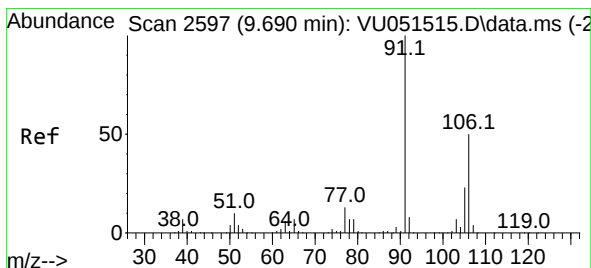
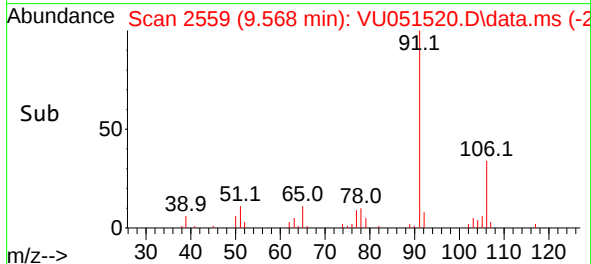
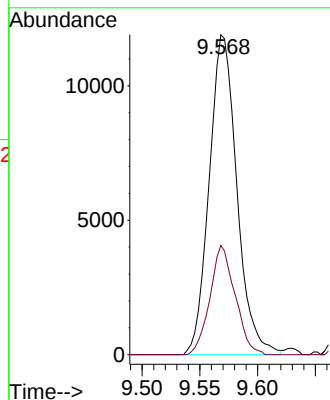
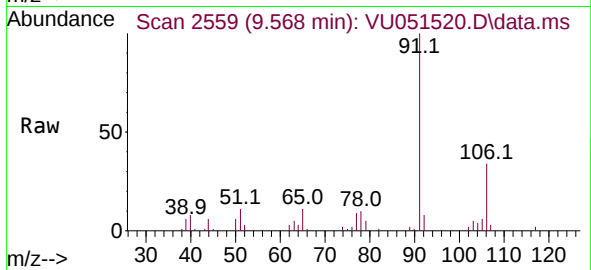




#52
Ethylbenzene
Concen: 0.219 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051520.D
Acq: 26 Oct 2022 23:09

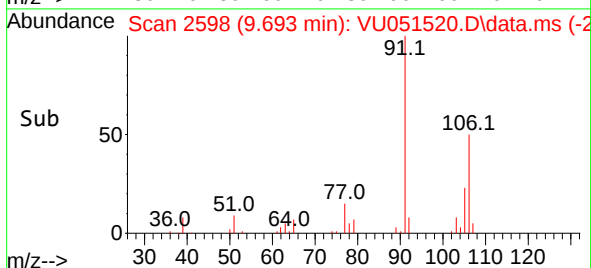
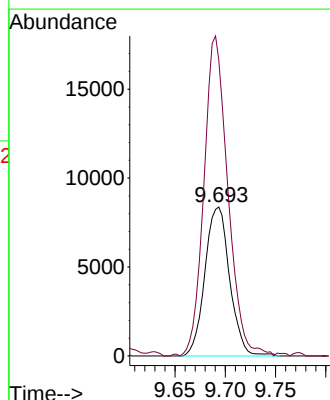
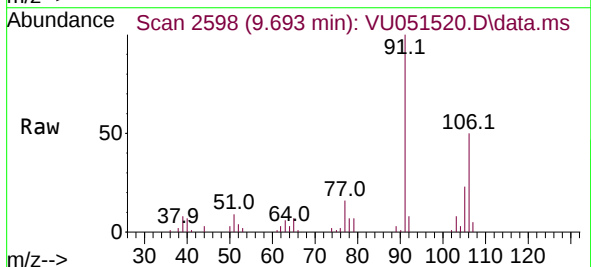
Instrument :
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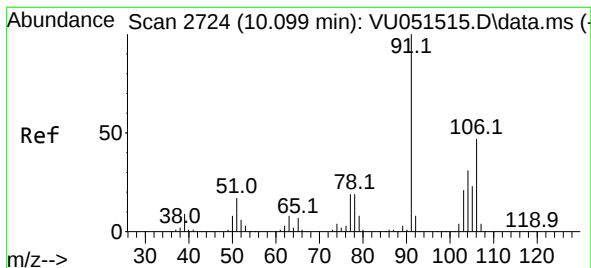
Tgt Ion: 91 Resp: 19841
Ion Ratio Lower Upper
91 100
106 34.2 20.9 38.7



#53
m,p-Xylene
Concen: 0.409 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU051520.D
Acq: 26 Oct 2022 23:09

Tgt Ion: 106 Resp: 14356
Ion Ratio Lower Upper
106 100
91 198.8 143.9 267.3





#54

o-Xylene

Concen: 0.142 ug/L

RT: 10.102 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU051520.D

Acq: 26 Oct 2022 23:09

Instrument :

MSVOA_U

ClientSampleId :

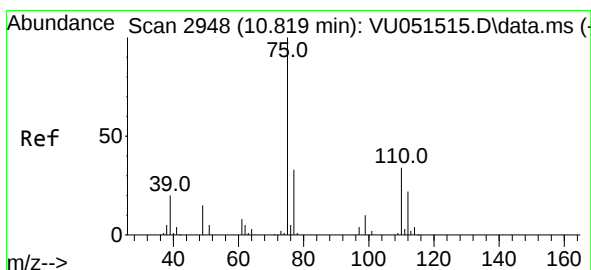
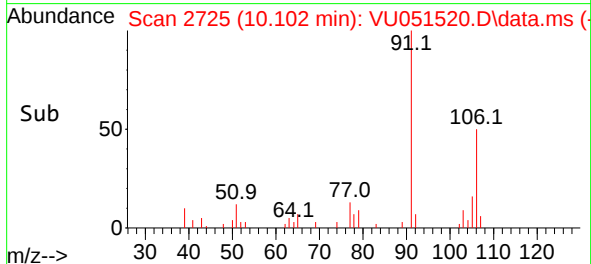
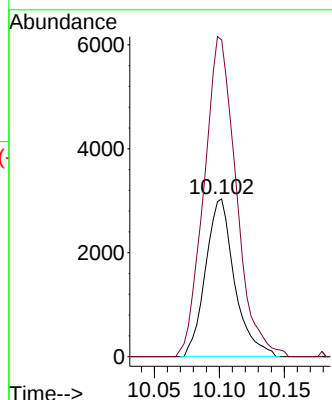
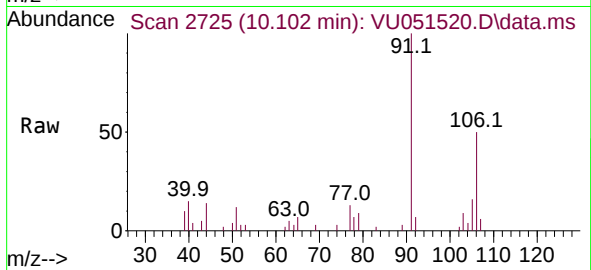
BHA88

Tgt Ion:106 Resp: 4719

Ion Ratio Lower Upper

106 100

91 200.9 154.4 286.8



#61

1,2,3-Trichloropropane

Concen: 0.984 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.990 min

Lab File: VU051520.D

Acq: 26 Oct 2022 23:09

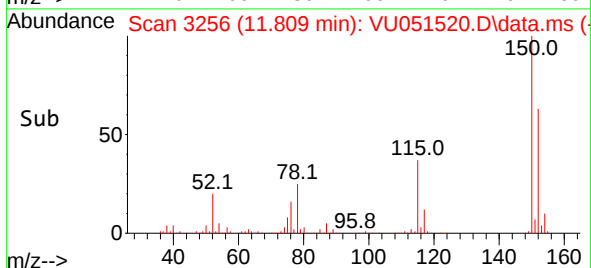
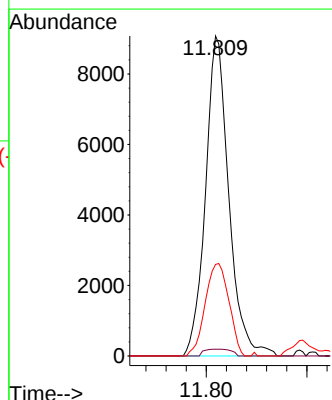
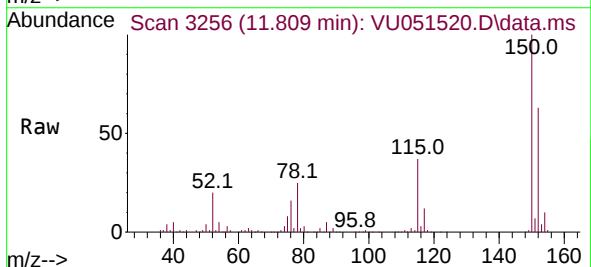
Tgt Ion: 75 Resp: 14588

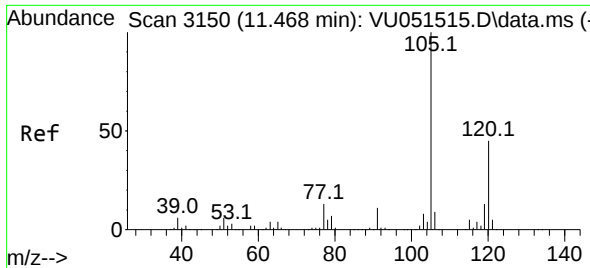
Ion Ratio Lower Upper

75 100

110 2.4 27.0 40.6#

77 29.3 26.4 39.6

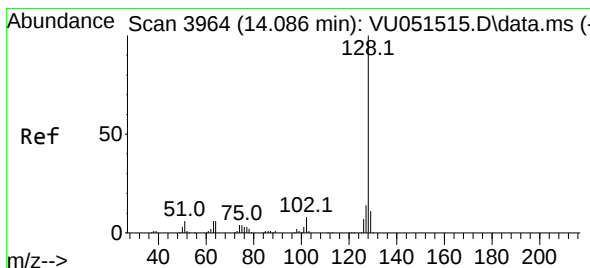
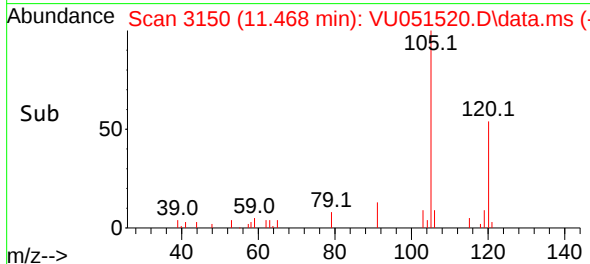
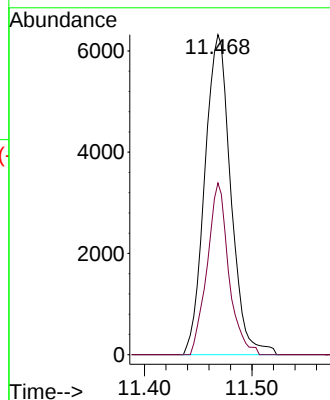
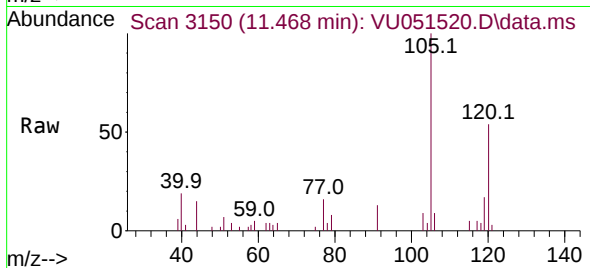




#63
1,2,4-Trimethylbenzene
Concen: 0.190 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
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Tgt Ion:105 Resp: 10624
Ion Ratio Lower Upper
105 100
120 44.4 35.6 53.4



#71
Naphthalene
Concen: 1.476 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU051520.D
Acq: 26 Oct 2022 23:09

Tgt Ion:128 Resp: 49474
Ion Ratio Lower Upper
128 100
129 10.4 8.5 12.7
127 14.5 11.1 16.7

