

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012123\
 Data File : VU052764.D
 Acq On : 20 Jan 2023 16:42
 Operator : JC/MD
 Sample : 01216-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH206

Quant Time: Jan 21 01:56:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jan 21 01:44:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.301	114	126838	5.000	ug/L	0.05
28) Chlorobenzene-d5	9.436	117	123824	5.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.816	152	80701	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	43003	3.859	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.200%
7) Chloroethane-d5	1.938	69	38161	4.204	ug/L	0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.000%
11) 1,1-Dichloroethene-d2	2.620	65	19551	3.984	ug/L	0.05
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.600%
20) 2-Butanone-d5	4.764	46	109100	36.617	ug/L	0.12
Spiked Amount	50.000	Range	40 - 130	Recovery	=	73.240%
24) Chloroform-d	5.112	84	87585	4.214	ug/L	0.05
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
26) 1,2-Dichloroethane-d4	5.716	65	52327	4.902	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
32) Benzene-d6	5.726	84	166292	4.143	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.800%
36) 1,2-Dichloropropane-d6	6.771	67	61110	4.569	ug/L	0.08
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.400%
41) Toluene-d8	7.941	98	164545	4.650	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
43) trans-1,3-Dichloroprop...	8.218	79	25957	5.219	ug/L	0.04
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.400%
46) 2-Hexanone-d5	8.674	63	132165	63.971	ug/L	0.04
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.940%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	57765	5.641	ug/L	0.01
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	77929	5.305	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.000%
Target Compounds						Qvalue
22) cis-1,2-Dichloroethene	4.726	96	2417	0.201	ug/L	80
27) 1,2-Dichloroethane	5.771	62	4622	0.333	ug/L #	74
33) Benzene	5.771	78	507039	10.346	ug/L	100
37) 1,2-Dichloropropane	6.771	63	7062	0.537	ug/L #	89
42) Toluene	8.012	91	7102756	145.483	ug/L	97
44) trans-1,3-Dichloropropene	8.012	75	49012	3.401	ug/L #	1
45) 1,1,2-Trichloroethane	8.308	97	32342	3.909	ug/L #	15
48) 2-Hexanone	8.674	43	14710	2.671	ug/L #	78
52) Ethylbenzene	9.587	91	2010246	40.423	ug/L	98
53) m,p-Xylene	9.710	106	3065666	162.731	ug/L	96
54) o-Xylene	10.111	106	1361117	75.563	ug/L	99
55) Styrene	10.124	104	1229685	40.024	ug/L	95
60) Isopropylbenzene	11.295	105	218253	3.815	ug/L	94
61) 1,2,3-Trichloropropane	11.472	75	28978	3.090	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.092	105	855886	18.760	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	2928606	63.721	ug/L	98
68) 1,2-Dibromo-3-chloropr...	13.028	75	185282	85.650	ug/L #	12
71) Naphthalene	13.626	128	328801	11.684	ug/L #	1

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QLast Update : Sat Jan 21 01:44:26 2023
Response via : Initial Calibration

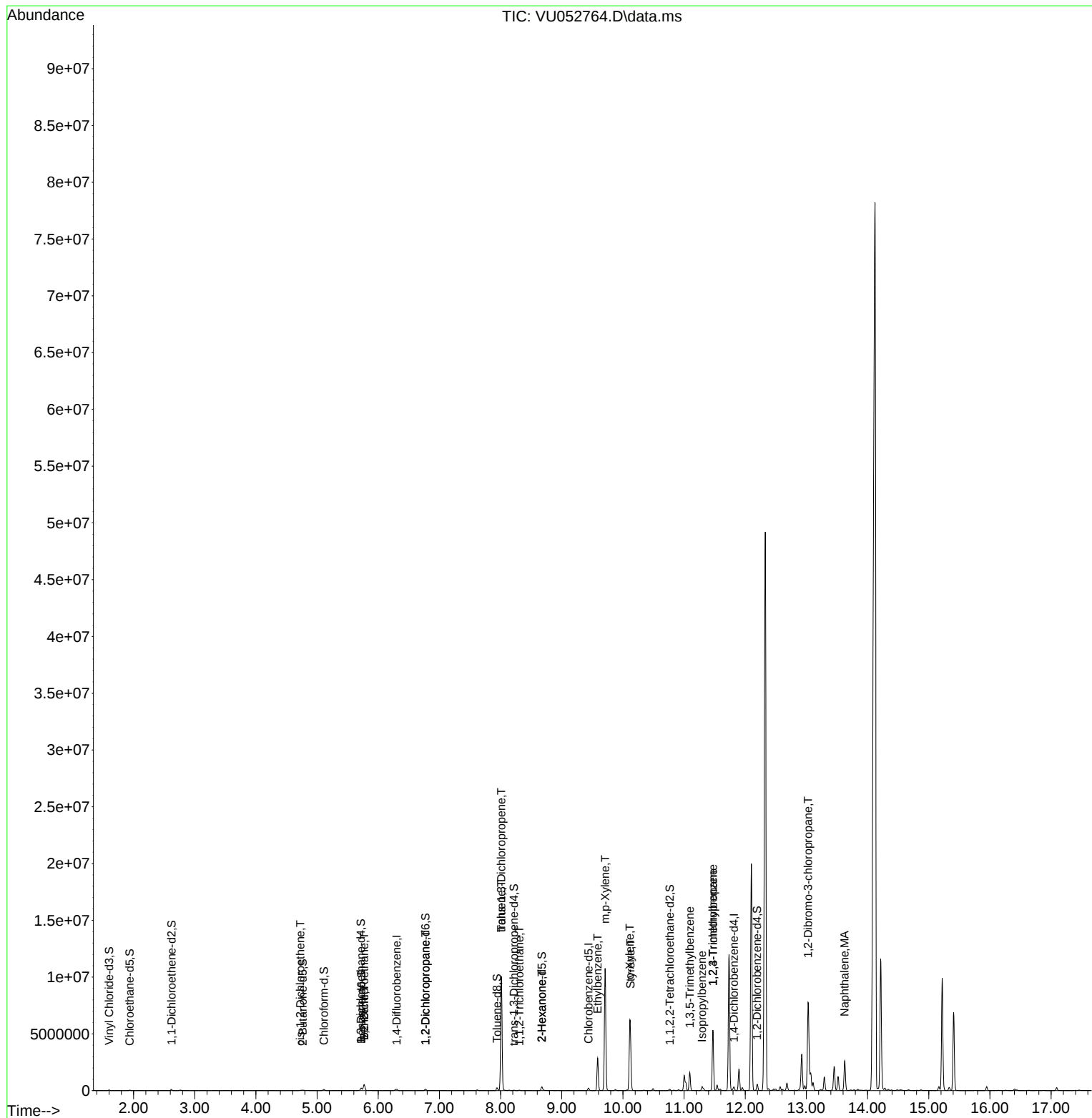
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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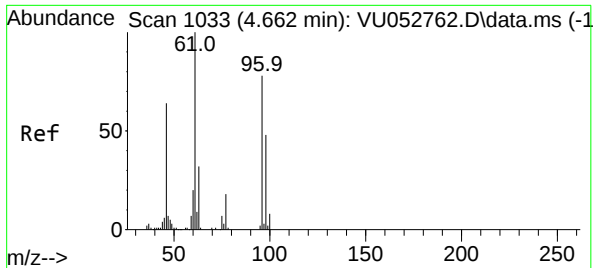
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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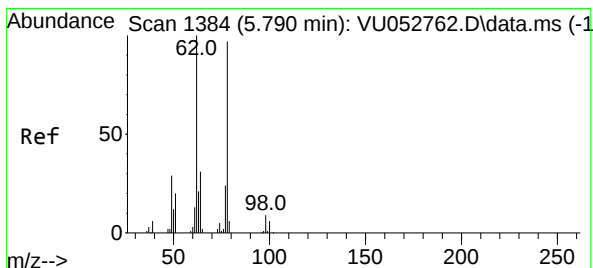
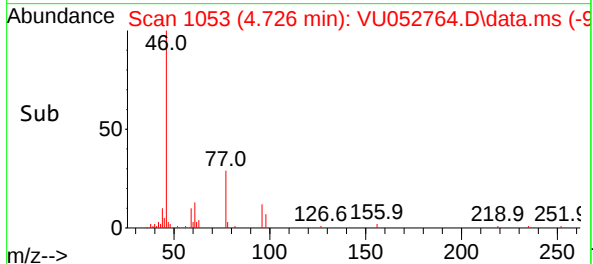
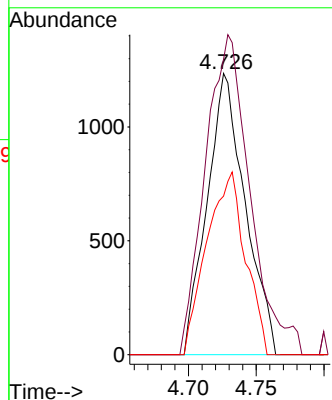
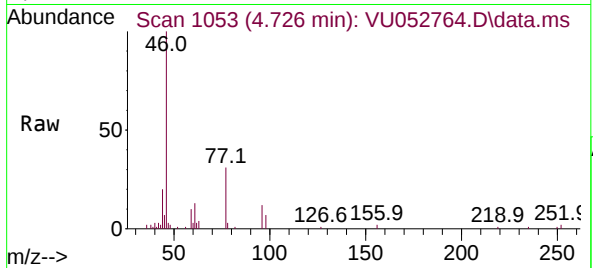




#22
 cis-1,2-Dichloroethene
 Concen: 0.201 ug/L
 RT: 4.726 min Scan# 1053
 Delta R.T. 0.064 min
 Lab File: VU052764.D
 Acq: 20 Jan 2023 16:42

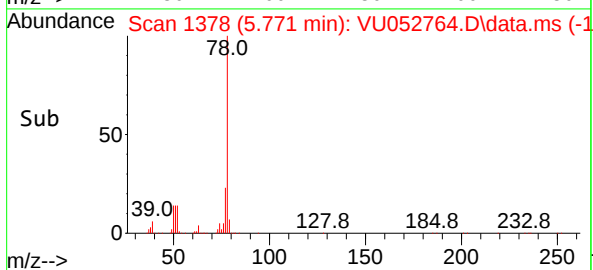
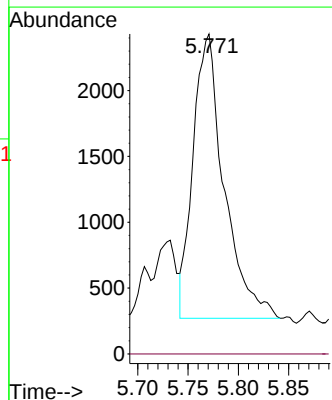
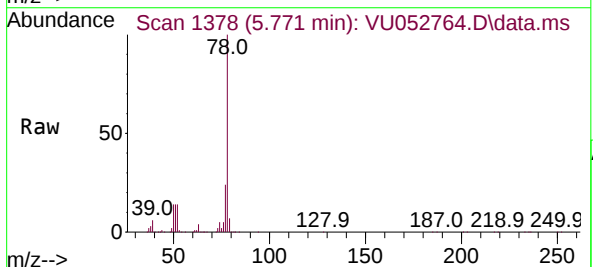
Instrument :
 MSVOA_U
 ClientSampleId :
 BH206

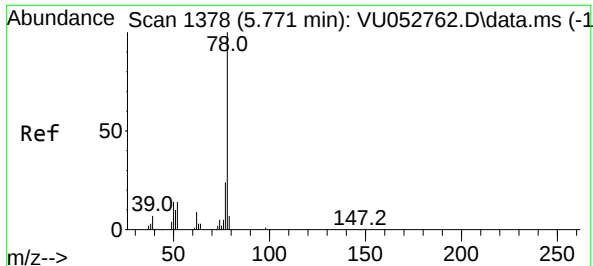
Tgt Ion: 96 Resp: 2417
 Ion Ratio Lower Upper
 96 100
 61 105.0 94.6 175.8
 98 56.4 43.3 80.3



#27
 1,2-Dichloroethane
 Concen: 0.333 ug/L
 RT: 5.771 min Scan# 1378
 Delta R.T. -0.019 min
 Lab File: VU052764.D
 Acq: 20 Jan 2023 16:42

Tgt Ion: 62 Resp: 4622
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.5 11.3#

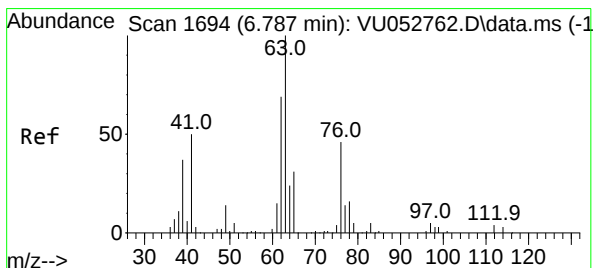
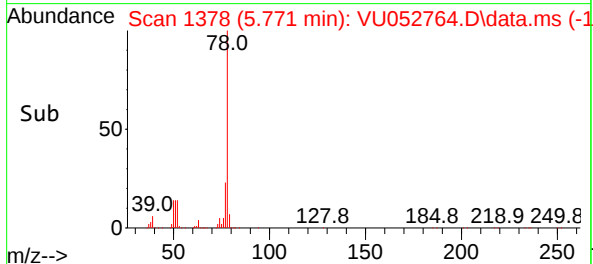
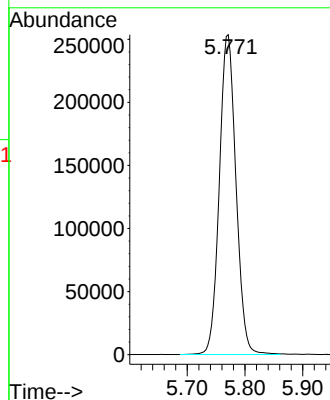
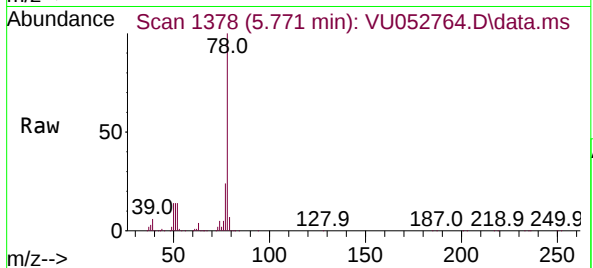




#33
Benzene
Concen: 10.346 ug/L
RT: 5.771 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU052764.D
Acq: 20 Jan 2023 16:42

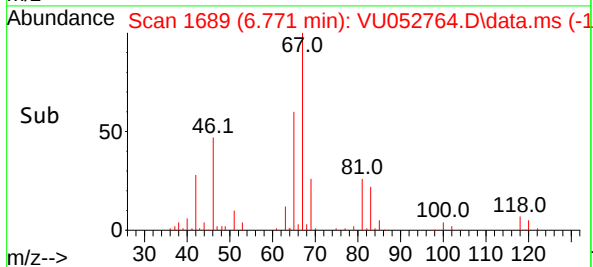
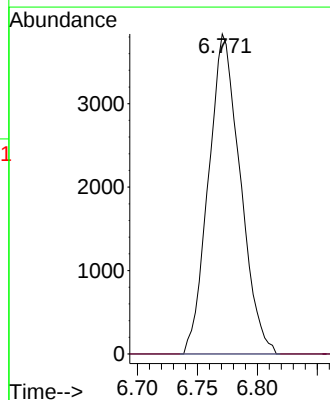
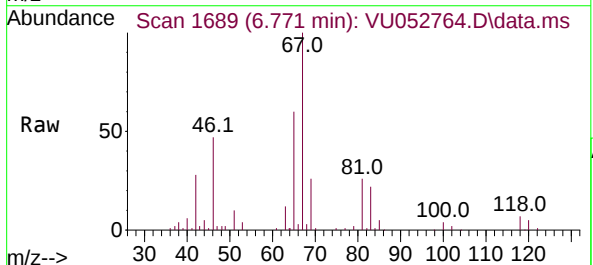
Instrument :
MSVOA_U
ClientSampleId :
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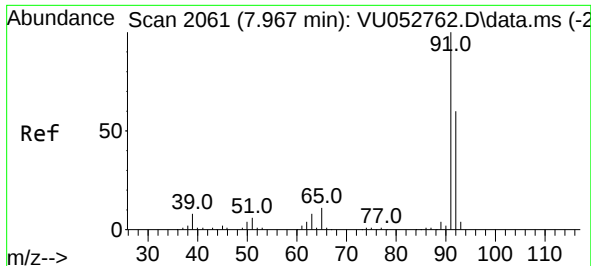
Tgt Ion: 78 Resp: 507039



#37
1,2-Dichloropropane
Concen: 0.537 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. -0.016 min
Lab File: VU052764.D
Acq: 20 Jan 2023 16:42

Tgt Ion: 63 Resp: 7062
Ion Ratio Lower Upper
63 100
112 0.0 2.9 4.3#





#42

Toluene

Concen: 145.483 ug/L

RT: 8.012 min Scan# 2061

Delta R.T. 0.045 min

Lab File: VU052764.D

Acq: 20 Jan 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

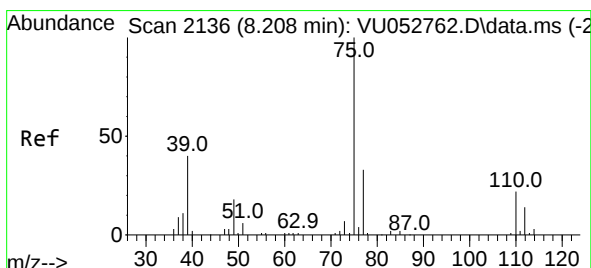
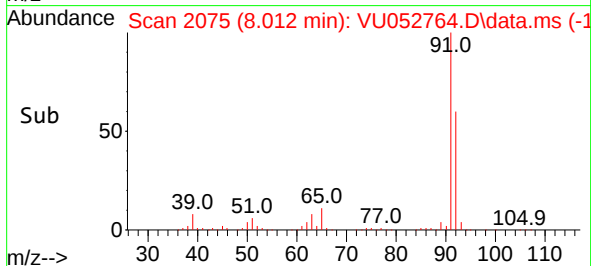
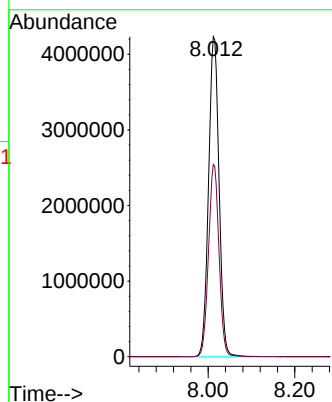
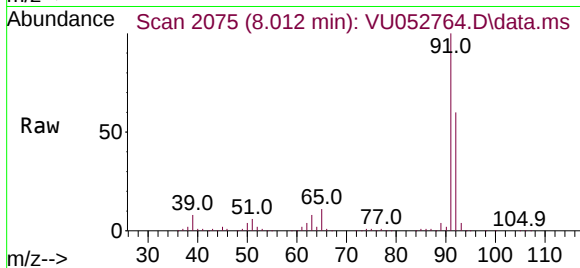
BH206

Tgt Ion: 91 Resp: 7102756

Ion Ratio Lower Upper

91 100

92 60.1 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 3.401 ug/L

RT: 8.012 min Scan# 2075

Delta R.T. -0.196 min

Lab File: VU052764.D

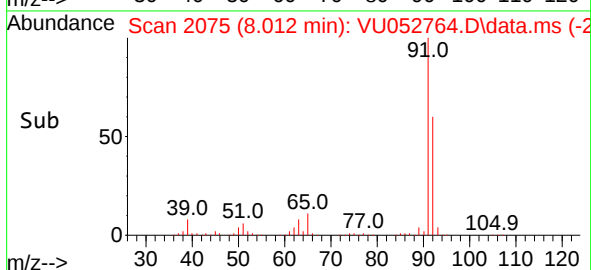
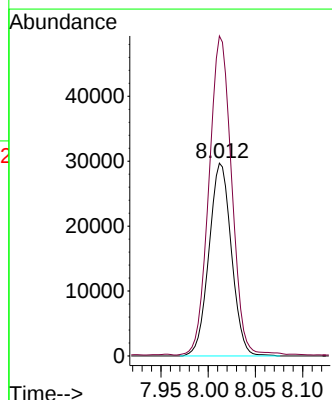
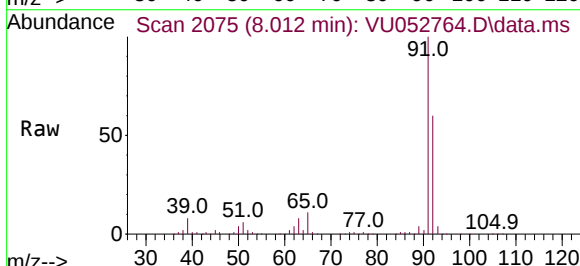
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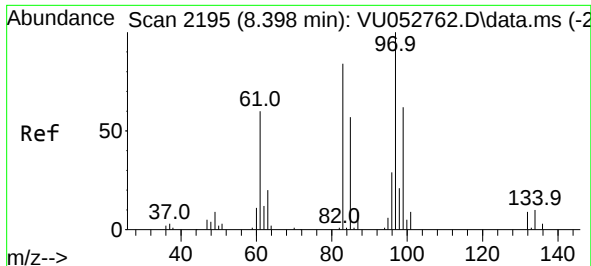
Tgt Ion: 75 Resp: 49012

Ion Ratio Lower Upper

75 100

77 166.0 22.3 41.5#

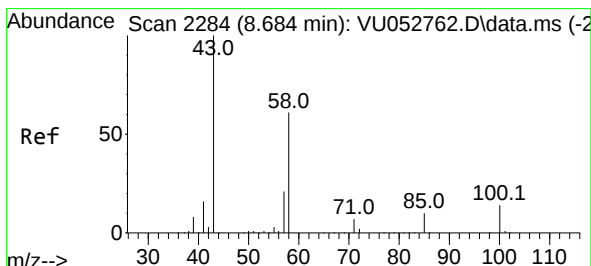
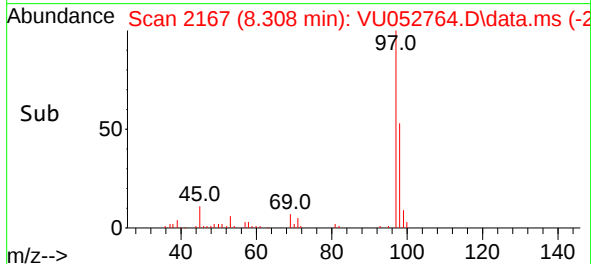
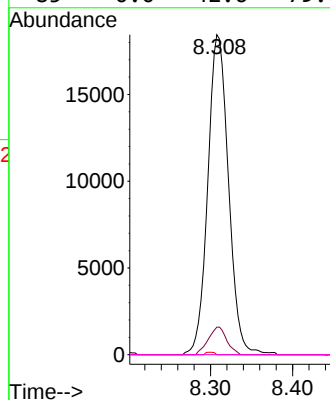
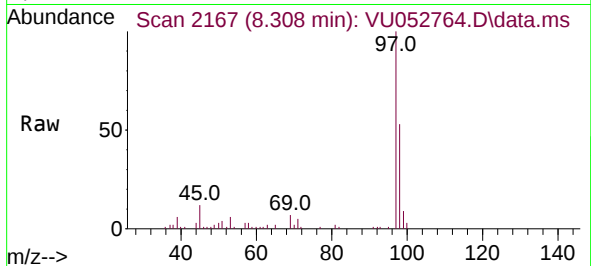




#45
1,1,2-Trichloroethane
Concen: 3.909 ug/L
RT: 8.308 min Scan# 2195
Delta R.T. -0.090 min
Lab File: VU052764.D
Acq: 20 Jan 2023 16:42

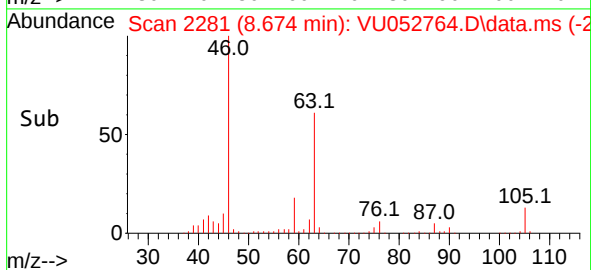
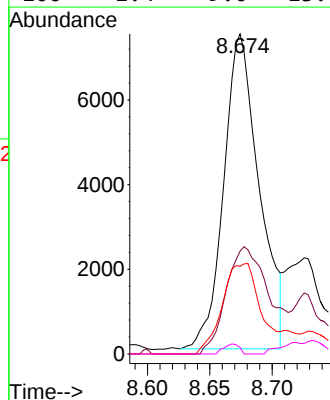
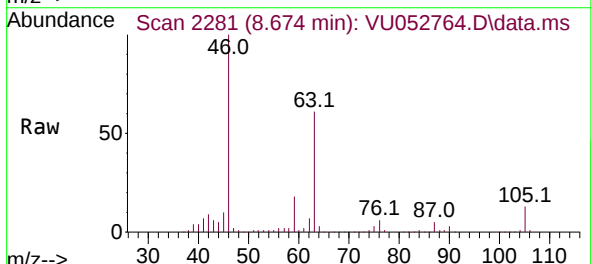
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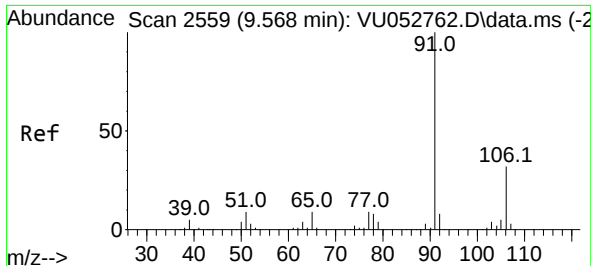
Tgt Ion:	97	Resp:	32342
Ion	Ratio	Lower	Upper
97	100		
99	8.6	44.8	83.2#
83	0.0	65.3	121.3#
85	0.0	42.6	79.0#



#48
2-Hexanone
Concen: 2.671 ug/L
RT: 8.674 min Scan# 2281
Delta R.T. -0.010 min
Lab File: VU052764.D
Acq: 20 Jan 2023 16:42

Tgt Ion:	43	Resp:	14710
Ion	Ratio	Lower	Upper
43	100		
58	41.7	45.1	67.7#
57	31.0	15.1	22.7#
100	1.4	9.0	13.4#





#52

Ethylbenzene

Concen: 40.423 ug/L

RT: 9.587 min Scan# 21

Delta R.T. 0.019 min

Lab File: VU052764.D

Acq: 20 Jan 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

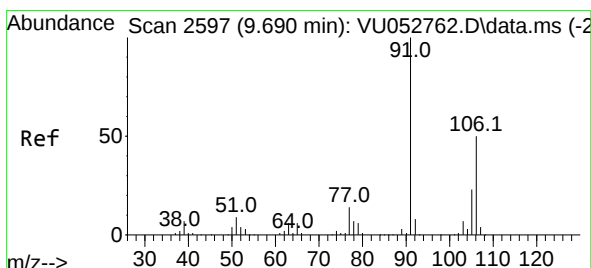
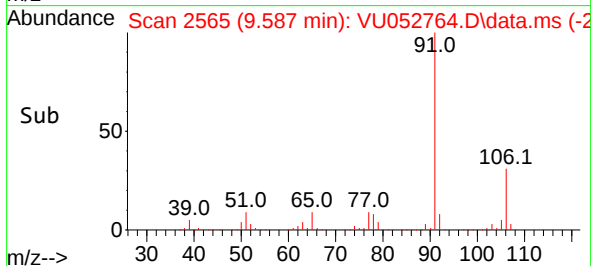
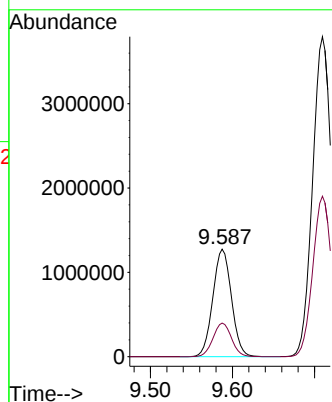
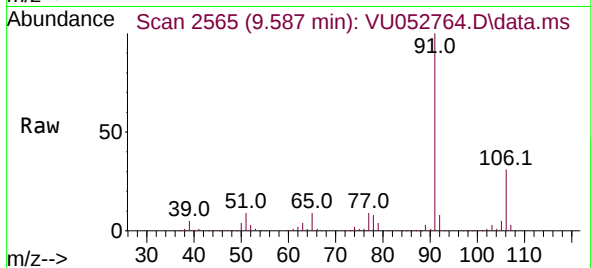
BH206

Tgt Ion: 91 Resp: 2010246

Ion Ratio Lower Upper

91 100

106 31.2 21.1 39.3



#53

m,p-Xylene

Concen: 162.731 ug/L

RT: 9.710 min Scan# 2603

Delta R.T. 0.019 min

Lab File: VU052764.D

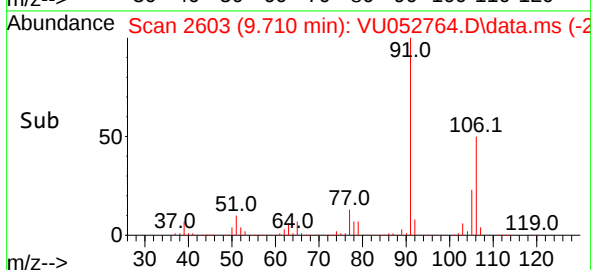
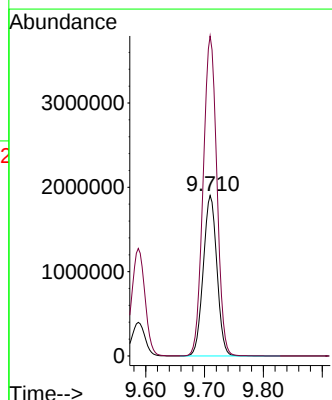
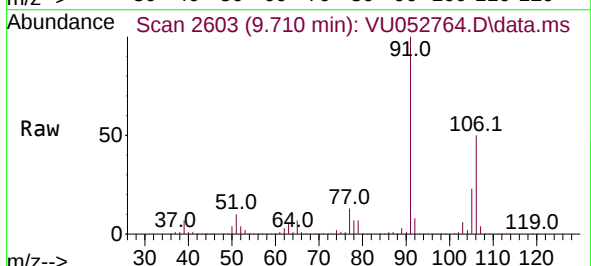
Acq: 20 Jan 2023 16:42

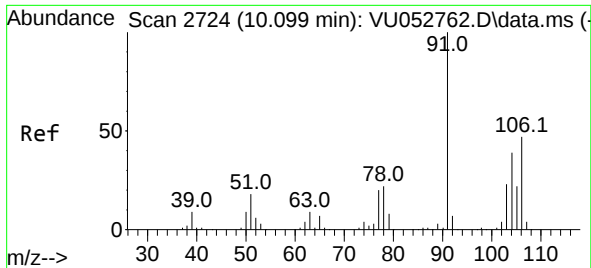
Tgt Ion:106 Resp: 3065666

Ion Ratio Lower Upper

106 100

91 199.4 144.3 267.9

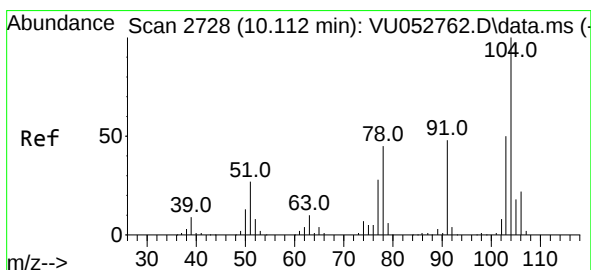
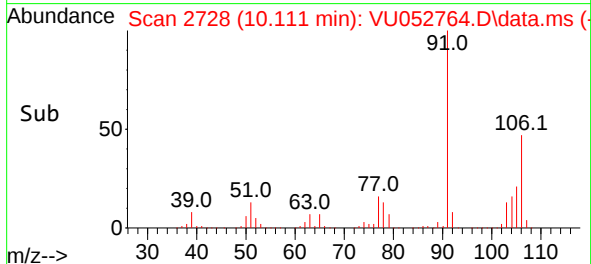
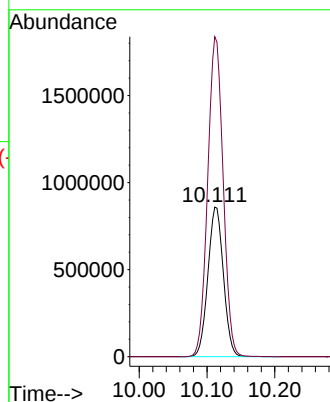
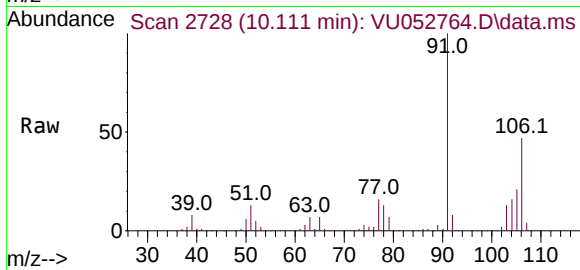




#54
o-Xylene
Concen: 75.563 ug/L
RT: 10.111 min Scan# 21
Delta R.T. 0.013 min
Lab File: VU052764.D
Acq: 20 Jan 2023 16:42

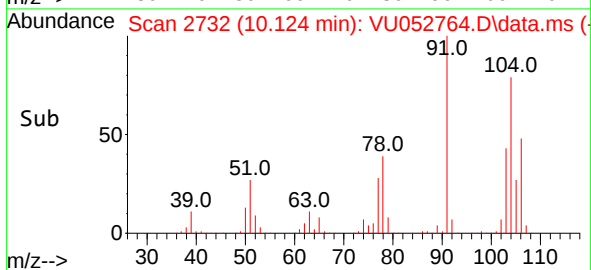
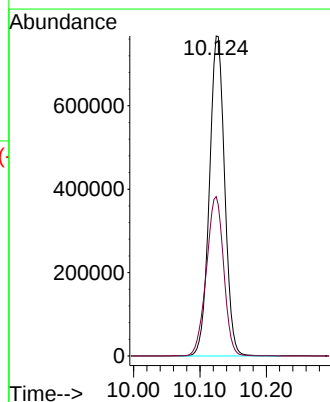
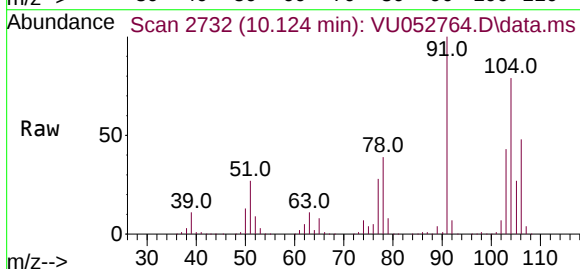
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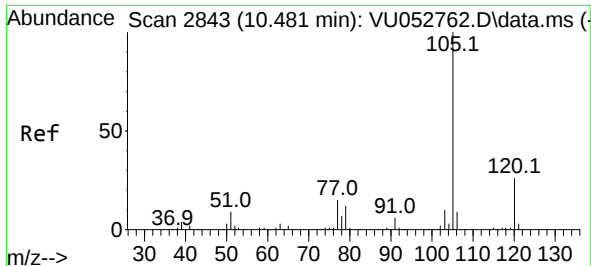
Tgt Ion:106 Resp: 1361117
Ion Ratio Lower Upper
106 100
91 213.8 148.7 276.1



#55
Styrene
Concen: 40.024 ug/L
RT: 10.124 min Scan# 2732
Delta R.T. 0.013 min
Lab File: VU052764.D
Acq: 20 Jan 2023 16:42

Tgt Ion:104 Resp: 1229685
Ion Ratio Lower Upper
104 100
78 49.8 32.8 60.8

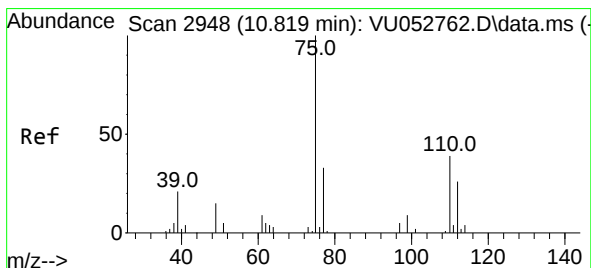
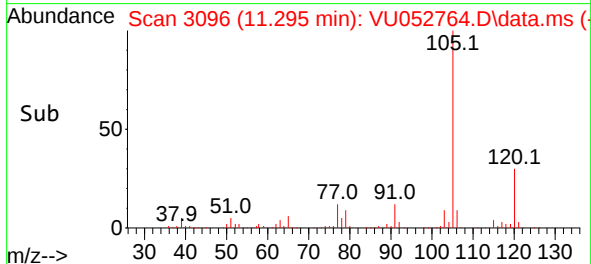
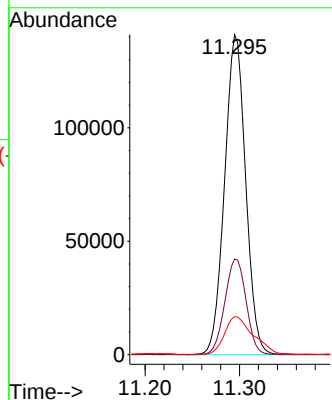
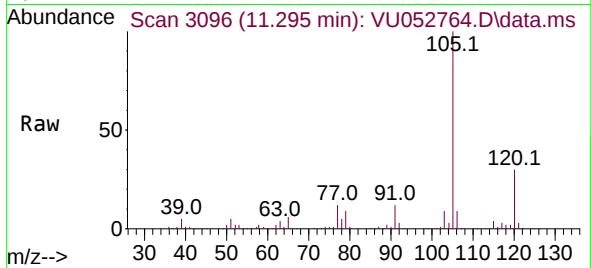




#60
Isopropylbenzene
Concen: 3.815 ug/L
RT: 11.295 min Scan# 3105
Delta R.T. 0.813 min
Lab File: VU052764.D
Acq: 20 Jan 2023 16:42

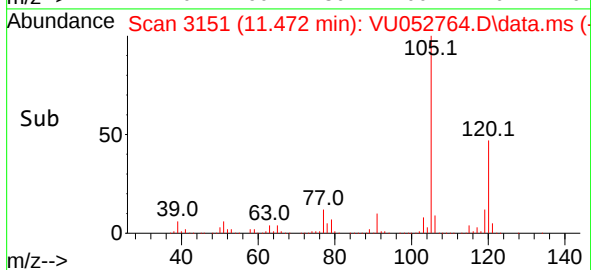
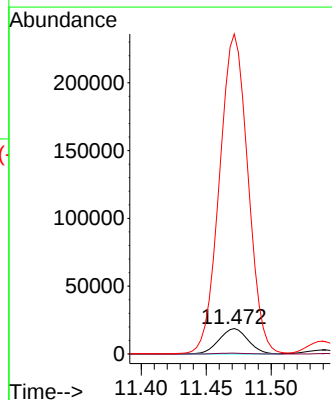
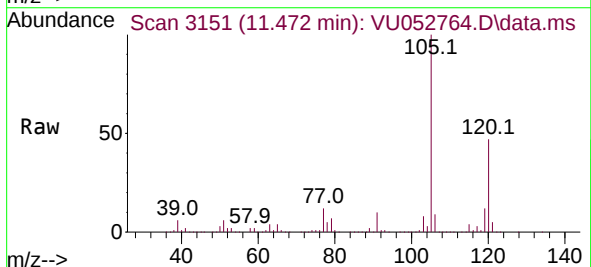
Instrument :
MSVOA_U
ClientSampleId :
BH206

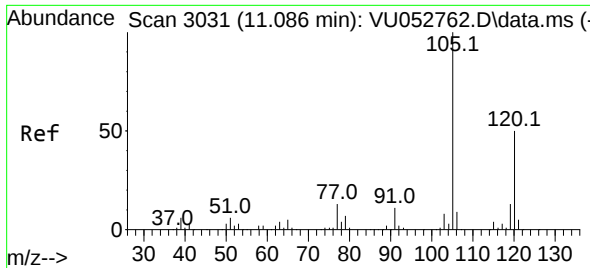
Tgt Ion:105 Resp: 218253
Ion Ratio Lower Upper
105 100
120 30.2 20.4 30.6
77 16.3 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 3.090 ug/L
RT: 11.472 min Scan# 3151
Delta R.T. 0.653 min
Lab File: VU052764.D
Acq: 20 Jan 2023 16:42

Tgt Ion: 75 Resp: 28978
Ion Ratio Lower Upper
75 100
110 0.0 27.2 40.8#
77 1241.2 24.0 36.0#

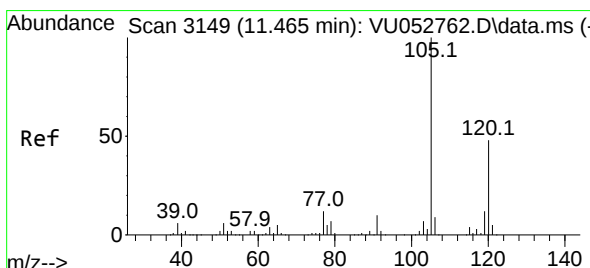
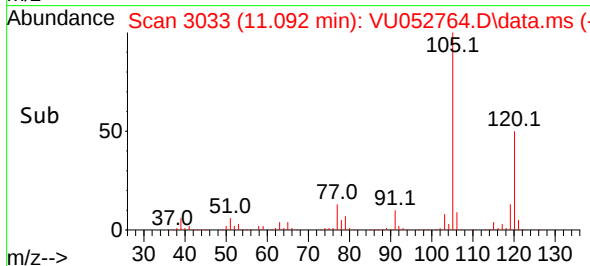
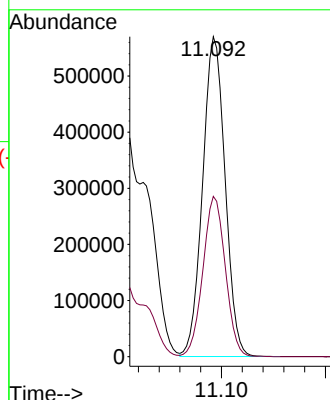
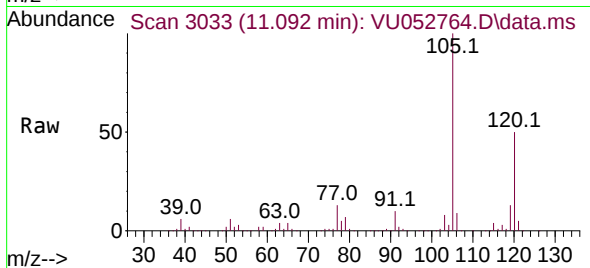




#62
1,3,5-Trimethylbenzene
Concen: 18.760 ug/L
RT: 11.092 min Scan# 3031
Delta R.T. 0.006 min
Lab File: VU052764.D
Acq: 20 Jan 2023 16:42

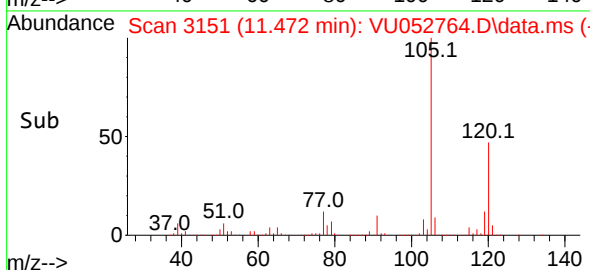
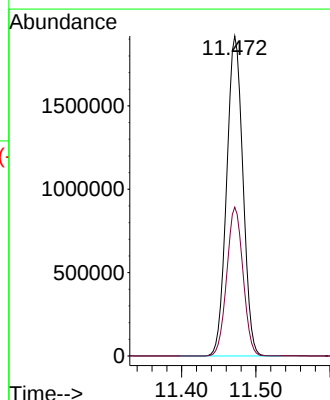
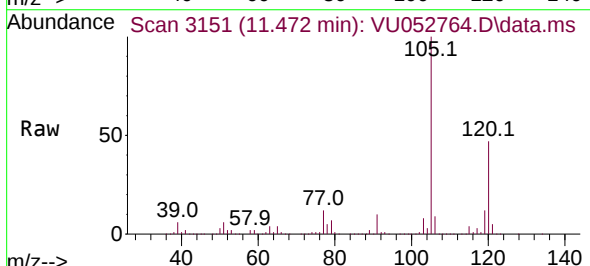
Instrument :
MSVOA_U
ClientSampleId :
BH206

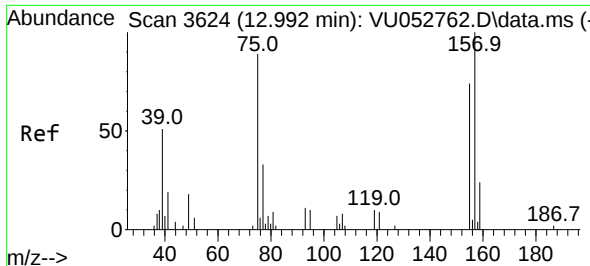
Tgt Ion:105 Resp: 855886
Ion Ratio Lower Upper
105 100
120 49.8 39.0 58.6



#63
1,2,4-Trimethylbenzene
Concen: 63.721 ug/L
RT: 11.472 min Scan# 3151
Delta R.T. 0.006 min
Lab File: VU052764.D
Acq: 20 Jan 2023 16:42

Tgt Ion:105 Resp: 2928606
Ion Ratio Lower Upper
105 100
120 46.4 35.9 53.9

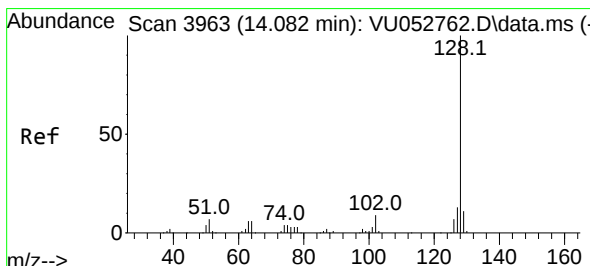
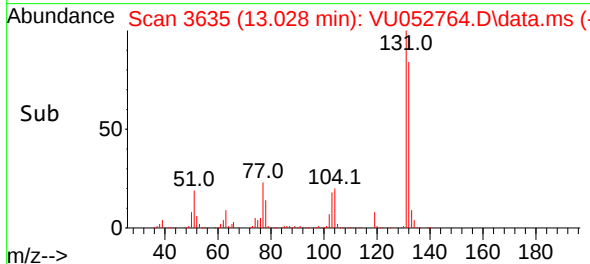
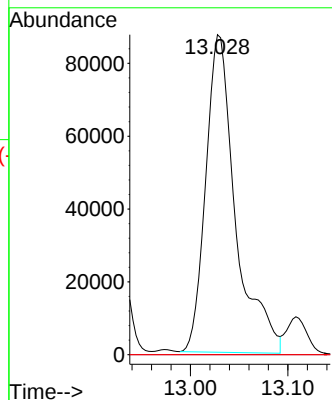
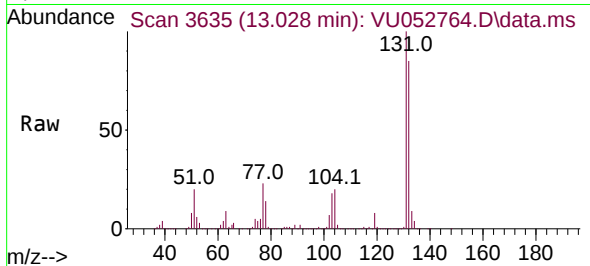




#68
1,2-Dibromo-3-chloropropane
Concen: 85.650 ug/L
RT: 13.028 min Scan# 30
Delta R.T. 0.035 min
Lab File: VU052764.D
Acq: 20 Jan 2023 16:42

Instrument :
MSVOA_U
ClientSampleId :
BH206

Tgt Ion: 75 Resp: 185282
Ion Ratio Lower Upper
75 100
155 0.0 48.0 72.0#
157 0.0 69.3 103.9#



#71
Naphthalene
Concen: 11.684 ug/L
RT: 13.626 min Scan# 3821
Delta R.T. -0.457 min
Lab File: VU052764.D
Acq: 20 Jan 2023 16:42

Tgt Ion:128 Resp: 328801
Ion Ratio Lower Upper
128 100
129 205.0 8.3 12.5#
127 0.0 10.8 16.2#

