

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
 Data File : VV027084.D
 Acq On : 29 Jul 2022 14:52
 Operator : SY/MD
 Sample : N3897-08
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUQ0

Quant Time: Jul 30 00:07:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 30 00:04:45 2022
 Response via : Initial Calibration

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

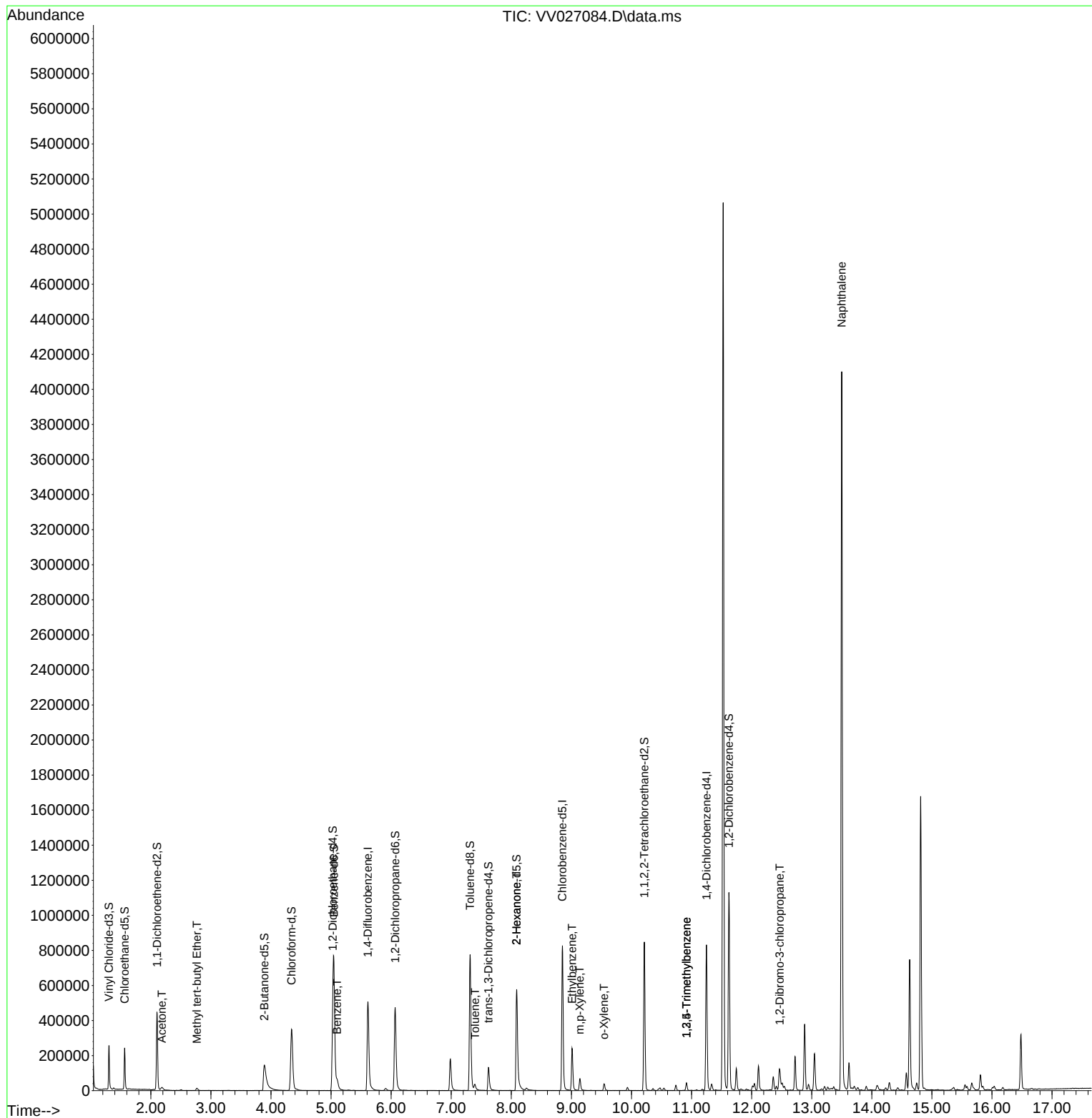
Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	470904	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	485201	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	223710	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	170089	37.966	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.940%
7) Chloroethane-d5	1.565	69	154801	43.611	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.220%
11) 1,1-Dichloroethene-d2	2.101	63	230005	30.156	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.320%
21) 2-Butanone-d5	3.889	46	312864	122.473	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.470%
24) Chloroform-d	4.343	84	389968	48.330	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.660%
26) 1,2-Dichloroethane-d4	5.027	65	234341	51.162	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.320%
32) Benzene-d6	5.047	84	702298	41.218	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.440%
36) 1,2-Dichloropropane-d6	6.066	67	248745	47.698	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.400%
41) Toluene-d8	7.314	98	549244	35.664	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.320%#
43) trans-1,3-Dichloroprop...	7.619	79	82741	35.917	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.840%
47) 2-Hexanone-d5	8.088	63	213788	95.362	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.360%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	411676	52.357	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.720%
66) 1,2-Dichlorobenzene-d4	11.622	152	300059	59.666	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.340%
Target Compounds						Qvalue
13) Acetone	2.182	43	13953	7.374	ug/L	92
18) Methyl tert-butyl Ether	2.764	73	12430	1.205	ug/L	96
33) Benzene	5.098	78	46716	2.988	ug/L	100
42) Toluene	7.394	91	27152	1.684	ug/L	99
48) 2-Hexanone	8.088	43	24380	6.250	ug/L #	71
52) Ethylbenzene	9.011	91	165642	10.147	ug/L	97
53) m,p-Xylene	9.140	106	20302	3.162	ug/L	96
54) o-Xylene	9.545	106	10486	1.696	ug/L	97
62) 1,3,5-Trimethylbenzene	10.915	105	23737	3.973	ug/L	92
63) 1,2,4-Trimethylbenzene	10.915	105	23737	4.978	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.468	75	2609	2.121	ug/L #	1
71) Naphthalene	13.500	128	3011307	219.973	ug/L	100

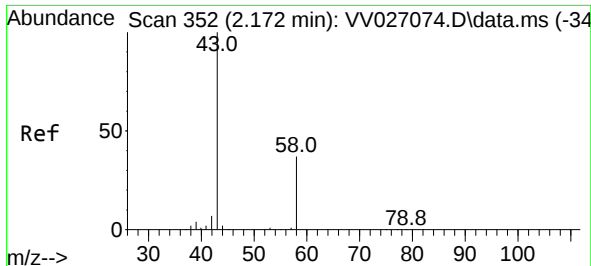
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 7.374 ug/L

RT: 2.182 min Scan# 352

Delta R.T. 0.010 min

Lab File: VV027084.D

Acq: 29 Jul 2022 14:52

Instrument :

MSVOA_V

ClientSampleId :

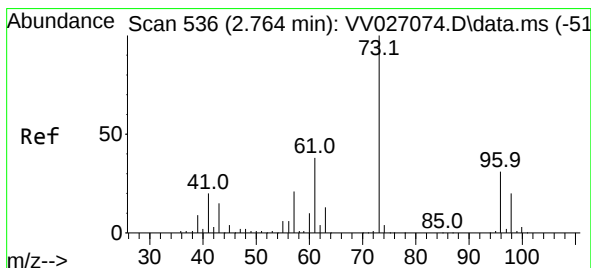
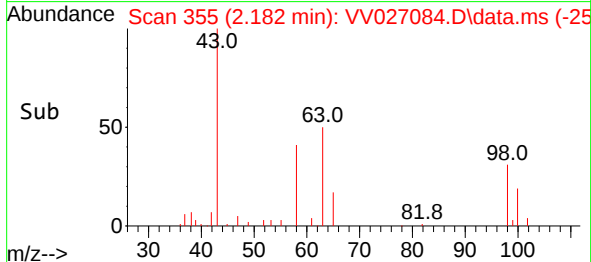
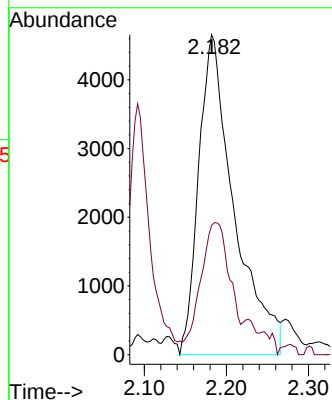
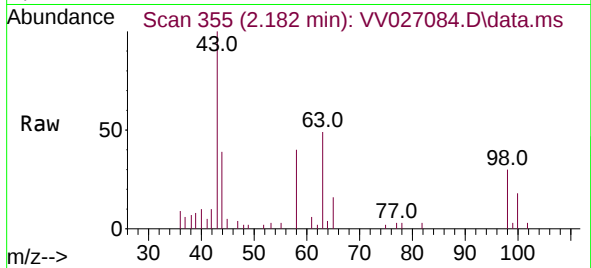
DBUQ0

Tgt Ion: 43 Resp: 13953

Ion Ratio Lower Upper

43 100

58 28.7 0.0 49.6



#18

Methyl tert-butyl Ether

Concen: 1.205 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.000 min

Lab File: VV027084.D

Acq: 29 Jul 2022 14:52

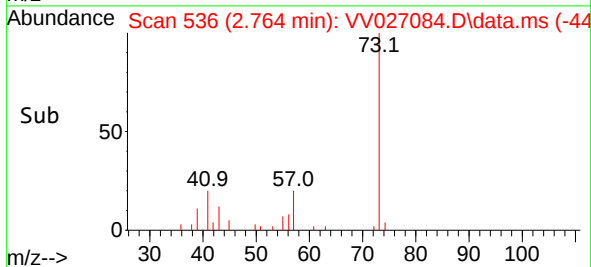
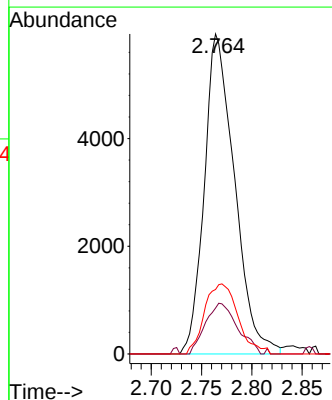
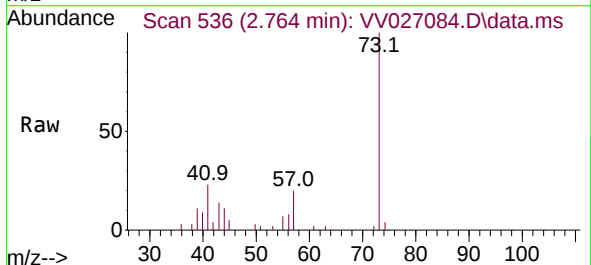
Tgt Ion: 73 Resp: 12430

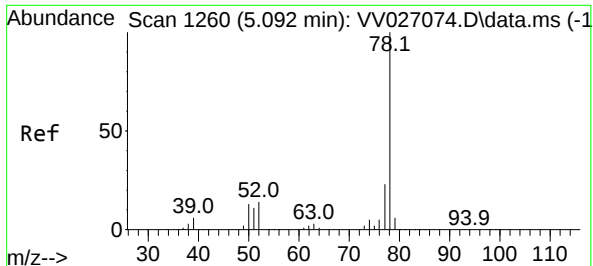
Ion Ratio Lower Upper

73 100

43 16.8 12.6 18.8

57 23.8 17.3 25.9

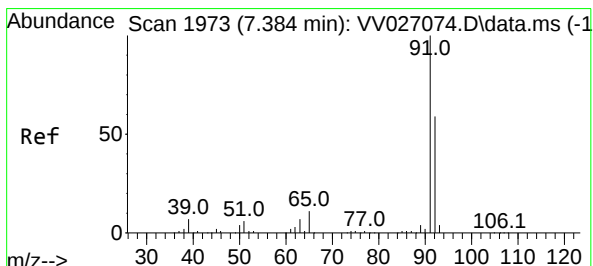
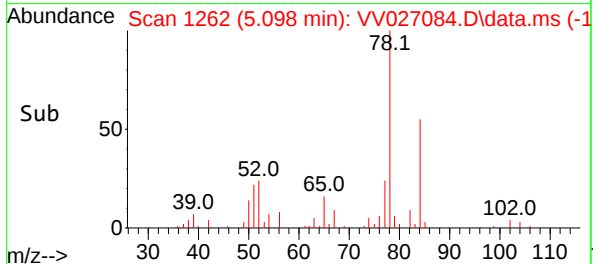
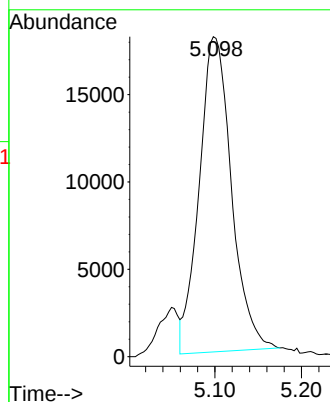
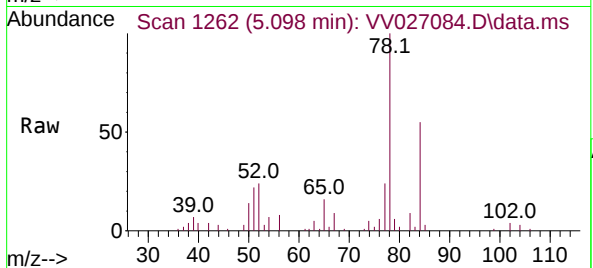




#33
Benzene
Concen: 2.988 ug/L
RT: 5.098 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV027084.D
Acq: 29 Jul 2022 14:52

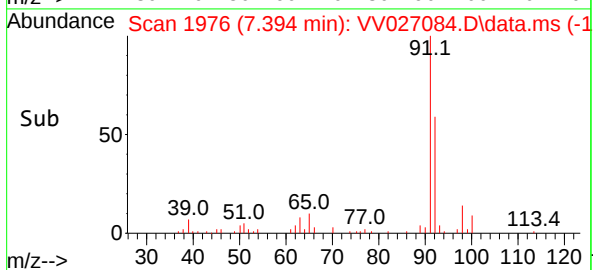
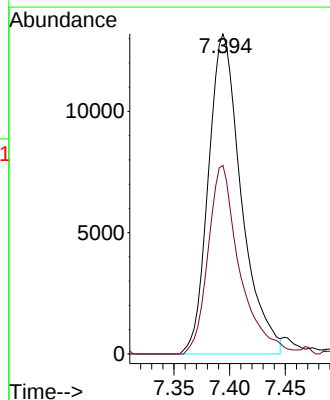
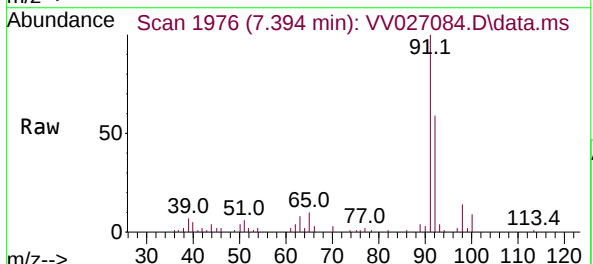
Instrument :
MSVOA_V
ClientSampleId :
DBUQ0

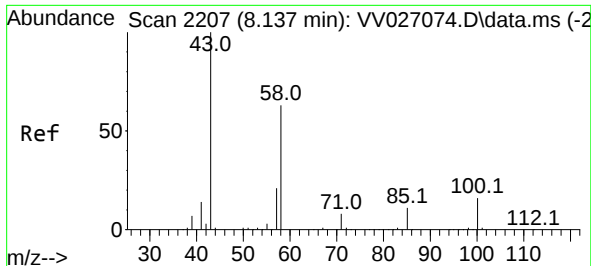
Tgt Ion: 78 Resp: 46716



#42
Toluene
Concen: 1.684 ug/L
RT: 7.394 min Scan# 1976
Delta R.T. 0.010 min
Lab File: VV027084.D
Acq: 29 Jul 2022 14:52

Tgt Ion: 91 Resp: 27152
Ion Ratio Lower Upper
91 100
92 58.9 40.9 76.0

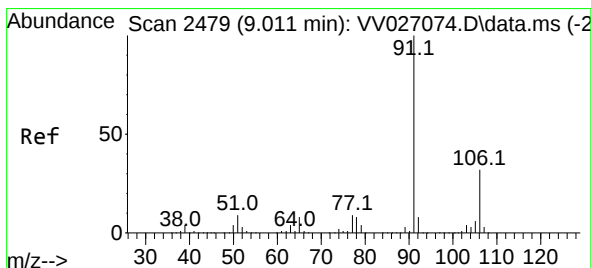
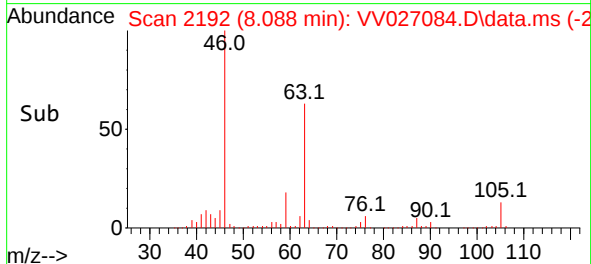
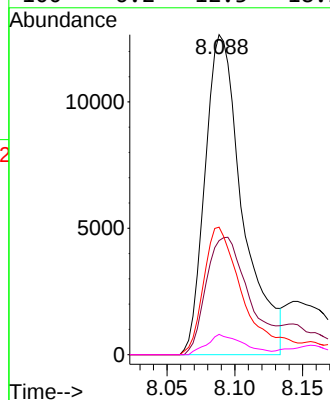
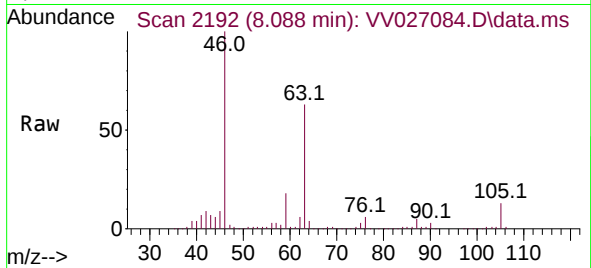




#48
2-Hexanone
Concen: 6.250 ug/L
RT: 8.088 min Scan# 2192
Delta R.T. -0.048 min
Lab File: VV027084.D
Acq: 29 Jul 2022 14:52

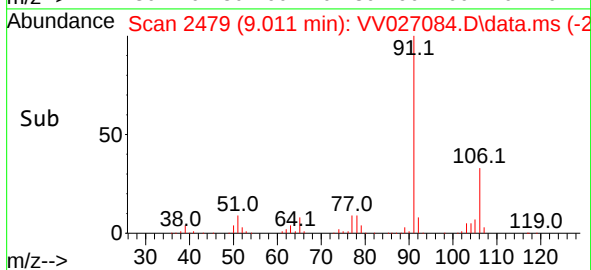
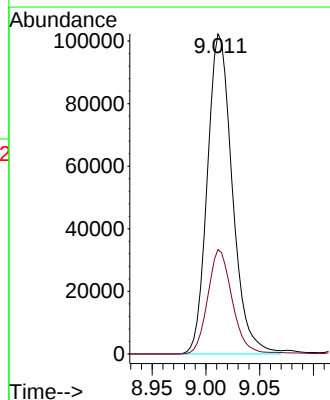
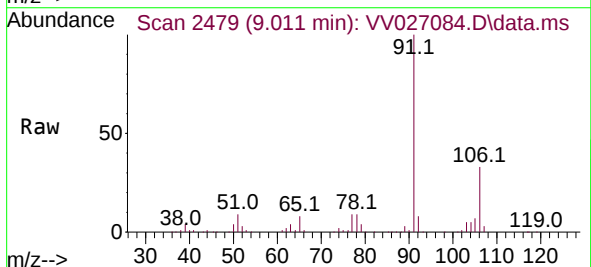
Instrument :
MSVOA_V
ClientSampleId :
DBUQ0

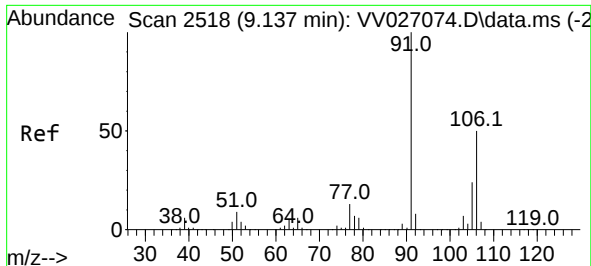
Tgt Ion: 43	Resp: 24380
Ion Ratio	Lower Upper
43	100
58	41.7 50.8 76.2#
57	39.9 17.1 25.7#
100	6.2 12.3 18.5#



#52
Ethylbenzene
Concen: 10.147 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.000 min
Lab File: VV027084.D
Acq: 29 Jul 2022 14:52

Tgt Ion: 91	Resp: 165642
Ion Ratio	Lower Upper
91	100
106	32.6 21.8 40.6

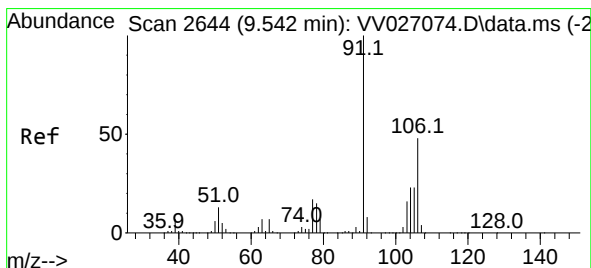
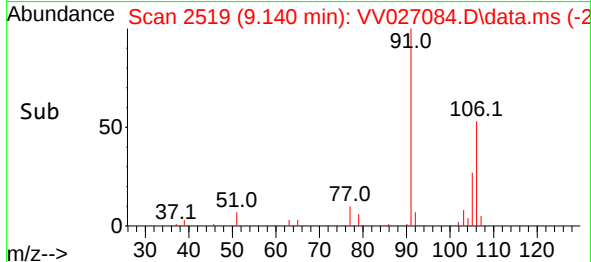
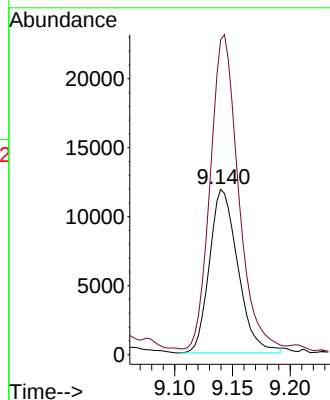
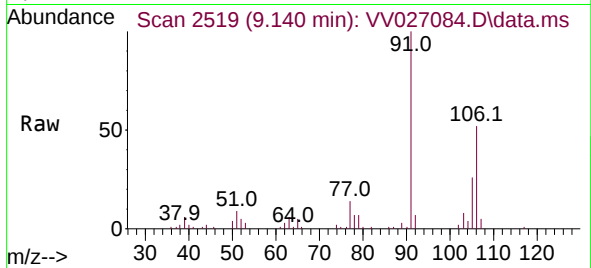




#53
m,p-Xylene
Concen: 3.162 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.003 min
Lab File: VV027084.D
Acq: 29 Jul 2022 14:52

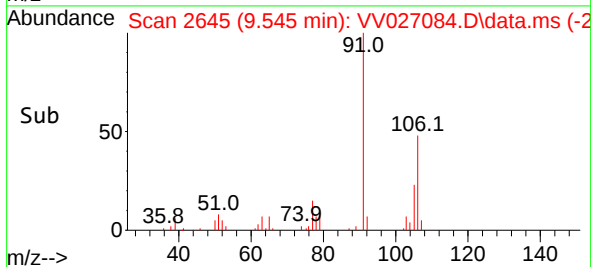
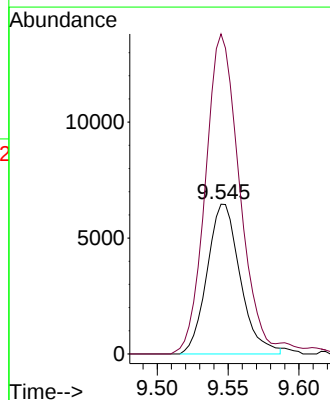
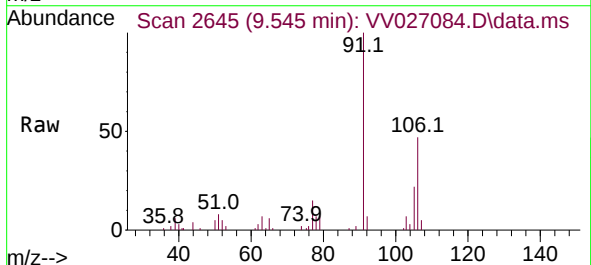
Instrument :
MSVOA_V
ClientSampleId :
DBUQ0

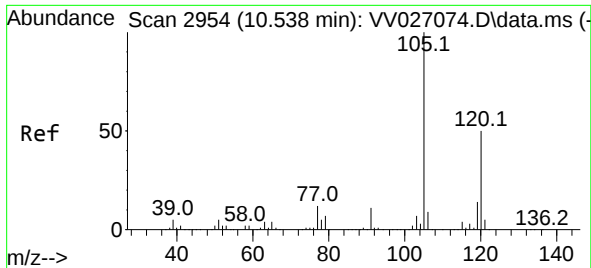
Tgt Ion:106 Resp: 20302
Ion Ratio Lower Upper
106 100
91 190.5 137.5 255.3



#54
o-Xylene
Concen: 1.696 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV027084.D
Acq: 29 Jul 2022 14:52

Tgt Ion:106 Resp: 10486
Ion Ratio Lower Upper
106 100
91 213.7 146.6 272.2





#62

1,3,5-Trimethylbenzene

Concen: 3.973 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.376 min

Lab File: VV027084.D

Acq: 29 Jul 2022 14:52

Instrument :

MSVOA_V

ClientSampleId :

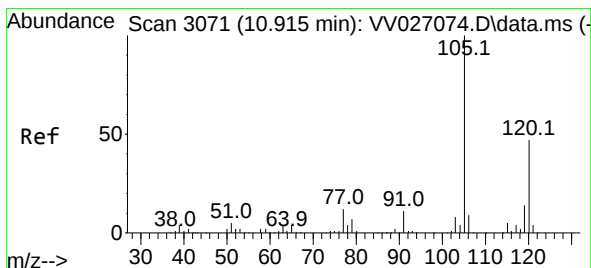
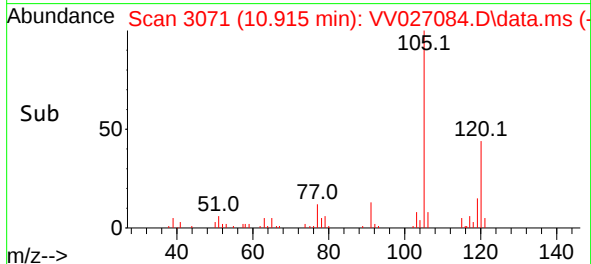
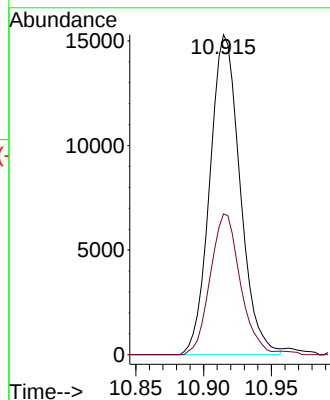
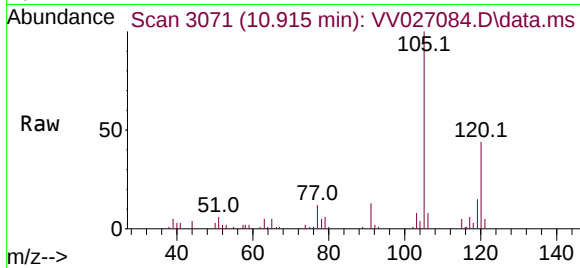
DBUQ0

Tgt Ion:105 Resp: 23737

Ion Ratio Lower Upper

105 100

120 43.6 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 4.978 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.000 min

Lab File: VV027084.D

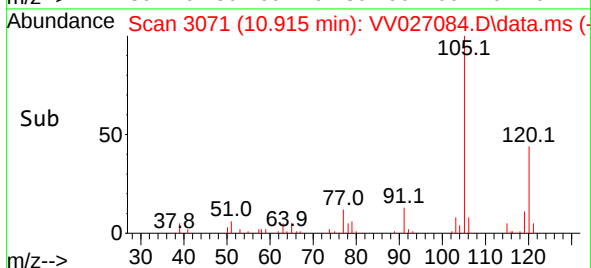
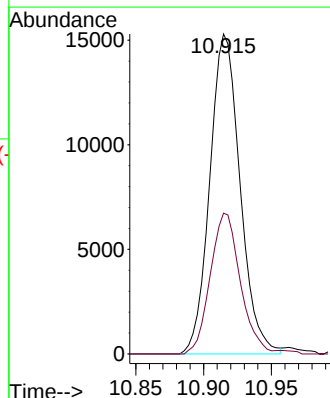
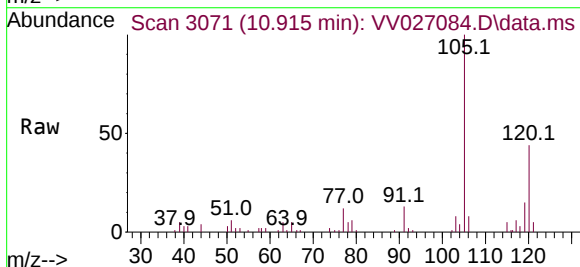
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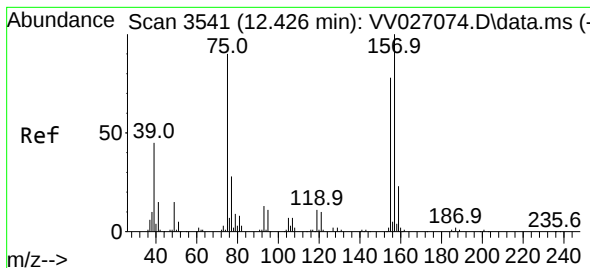
Tgt Ion:105 Resp: 23737

Ion Ratio Lower Upper

105 100

120 43.6 37.0 55.6

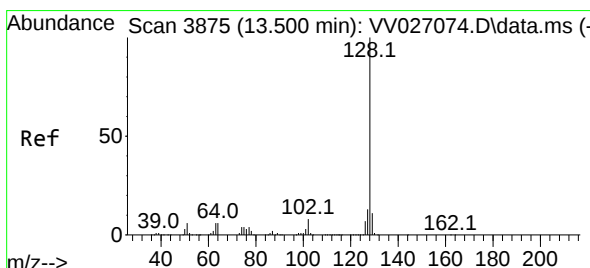
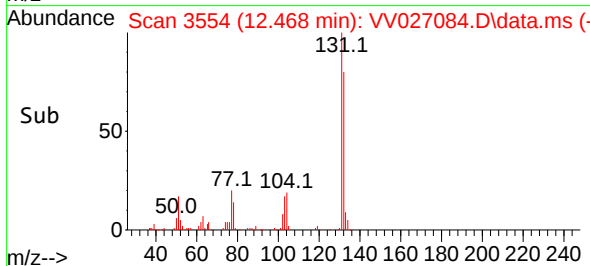
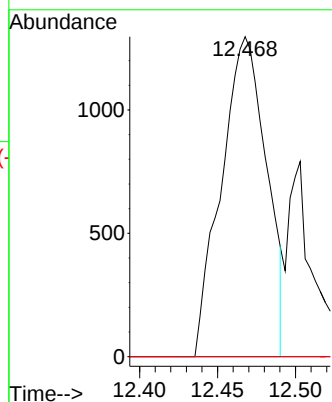
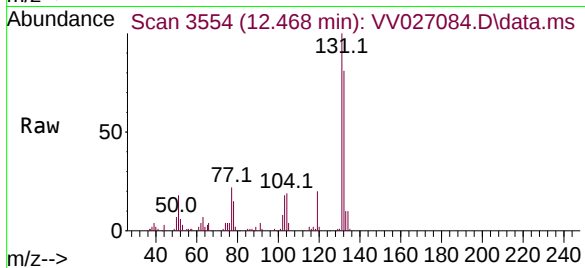




#68
1,2-Dibromo-3-chloropropane
Concen: 2.121 ug/L
RT: 12.468 min Scan# 3554
Delta R.T. 0.042 min
Lab File: VV027084.D
Acq: 29 Jul 2022 14:52

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MSVOA_V
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Tgt Ion: 75 Resp: 2609
Ion Ratio Lower Upper
75 100
155 0.0 69.1 103.7#
157 0.0 87.8 131.8#



#71
Naphthalene
Concen: 219.973 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. 0.000 min
Lab File: VV027084.D
Acq: 29 Jul 2022 14:52

Tgt Ion: 128 Resp: 3011307
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.0 8.6 13.0

